

Man Ac C
GC 856
07
095

School of

OCEANOGRAPHY



OCT 29 1982

LIBRARY
MARINE SCIENCE CENTER
OREGON STATE UNIVERSITY
NEWPORT, OREGON 97365

**Hydrographic Data from the First
Coastal Ocean Dynamics Experiment:
R/V Wecoma, Leg 7, 1-14 July 1981**

by

Martin Olivera
William E. Gilbert
Jane Fleischbein
Adriana Huyer
Richard Schramm

Data Report 95
Reference 82-8
August 1982

OREGON STATE UNIVERSITY

Code Technical Report No. 7
National Science Foundation
OCE-8014939 and OCE-8026131

School of Oceanography
Oregon State University
Corvallis, OR 97331

Hydrographic Data From
The First Coastal Ocean Dynamics Experiment:
R/V Wecoma, Leg 7, 1-14 July 1981

by

Martin Olivera
William E. Gilbert
Jane Fleischbein
Adriana Huyer
Richard Schramm

Data Report 95
Reference 82-8
July 1982

Code Technical Report No. 7

National Science Foundation
OCE-8014939 and OCE-8026131

TABLE OF CONTENTS

Abstract	
List of Tables and Figures	
Introduction	1
Sampling Procedures, Calibration and Data Processing	15
Data Presentation	21
Vertical Sections	23
Offshore Survey Maps	57
Mesoscale Maps	75
Offshore Profiles	83
Vertical Profiles and Listings	91
Acknowledgments	163
References	163

ABSTRACT

CTD observations were made in the Code region near Pt. Arena on the northern California coast at 39°N, off Crescent City at 41°54'N, off Half Moon Bay at 37°25'N and off Pt. Purisima at 34°45'N during 2-13 July 1981. The observations in the Code region included three repeated sections along the Central Line, a mesoscale survey of the shelf slope region, and an alongshore section. The maximum sampling depth was 1000 m. This data report contains verticle sections, offshore survey maps, mesoscale maps and offshore profiles to summarize the data, and verticle profile plots and listings of the data at standard depths for each of the 141 CTD stations.

LIST OF TABLES AND FIGURES

Table 1.	List of CTD stations occupied during Code-1, Leg 7.	4
Table 2.	Characteristics of the CTD probe.	16
Table 3.	Summary of the differences between the <i>in situ</i> calibration data and the CTD probe.	16
Table 4.	Stations edited during data processing.	20
Figure 1.	Location of stations off Crescent City and along the Code Central Line, 2-5 July 1981; and off Pt. Arena, Half Moon Bay and Pt. Purisima, 9-11 July, 1981.	2
Figure 2.	The Sea Surface Thermal Analysis for 1 July and 9 July, transmitted by the National Weather Service and received on the Wecoma during the cruise.	3
Figure 3.	Location of stations in the offshore survey in the Code region, 4-10 July 1981.	9
Figure 4.	Location of stations in the Code region, 8-13 July 1981.	10
Figure 5.	Time series of wind speed and direction observed during CTD stations, 2-13 July 1981.	11
Figure 6.	Histograms of wind speed and direction at each CTD station.	12
Figure 7.	Wind vectors observed at CTD stations during mesoscale surveys in the Code region, 8-9 July and 13 July 1981.	13
Figure 8.	Wind speed and direction at CTD stations along the CODE Central Line, 4-13 July 1981.	14
Figure 9.	Histograms of the differences in conductivity between the calibration sample and the uncorrected CTD output.	15

INTRODUCTION

The Coastal Ocean Dynamics Experiment (CODE) seeks to describe the response of continental shelf waters to a time-varying wind stress. The main purpose of the R/V Wecoma cruise CODE-1, Leg 7, was to make CTD observations in the CODE region between Pt. Arena and Pt. Reyes. 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. A third objective was to make CTD observations at distant alongshore locations. Finally, we hoped to recover a damaged current meter mooring near Crescent City. This report includes only the CTD observations.

The R/V Wecoma departed from Newport, Oregon on 1 July 1981 and began a CTD section (Stations 1-8) off Crescent City on 2 July (Figure 1, Table 1). The damaged current meter mooring was recovered during this section, and mooring personnel disembarked at Eureka on 3 July.

Surface drifters were deployed around Pt. Arena on 4 July, and we began a long CTD section (Stations 9-24) along the Code Central Line (Figure 1).

Infrared satellite images available just prior to the cruise indicated the presence of a well-defined tongue of cold water extending offshore in the vicinity of Pt. Arena. We used the Sea Surface Thermal Analysis for 1 July transmitted by the National Earth Satellite Service in Redwood City to design a survey of the front between the cold and warm water (Figure 2). After completing the Code Central Line on 5 July, we occupied stations in the offshore part of this pattern (beginning with Station 25), working gradually toward shore, and ending with Station 70 on the 100 fm isobath

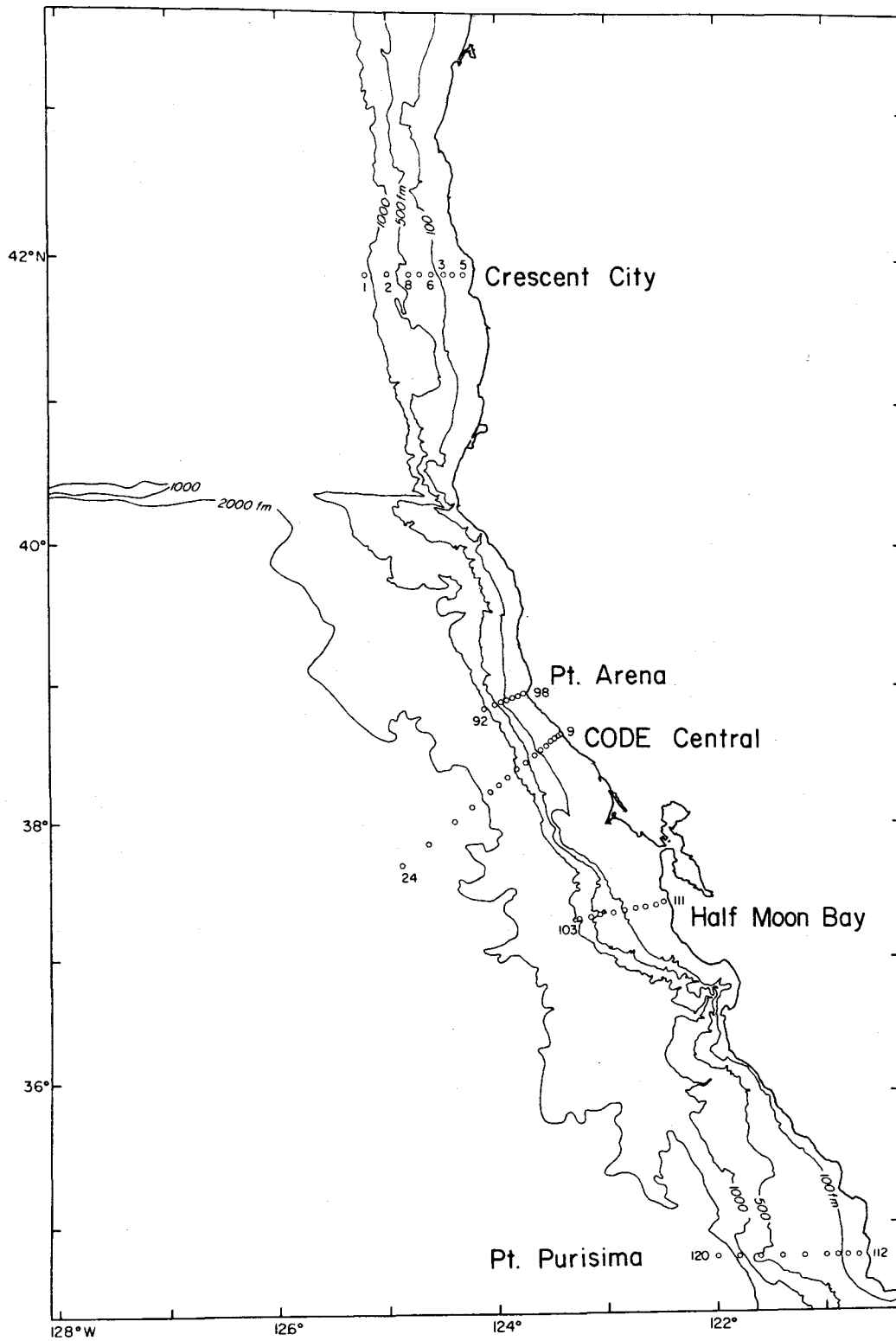


Figure 1. Location of stations off Crescent City and along the Code Central Line, 2-5 July 1981; and off Pt. Arena, Half Moon Bay and Pt. Purisima, 9-11 July 1981.

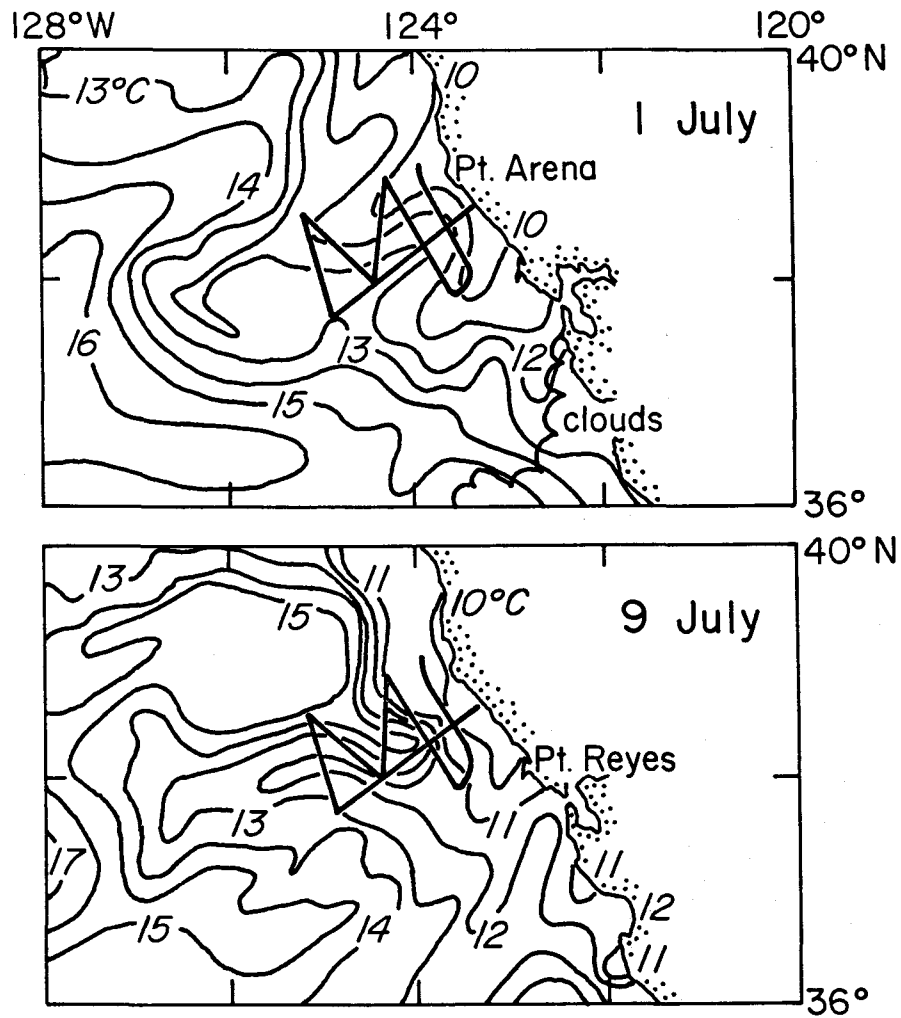


Figure 2. The Sea Surface Thermal Analysis for 1 July and 9 July, transmitted by the National Weather Service and received on the Wecoma during the cruise. These maps originate at the National Earth Satellite Service, Redwood City. The survey pattern designed from the 1 July map and an infrared satellite image for 26 June is superimposed.

Table 1. List of CTD stations occupied during Code-1, Leg 7, 1-14 July 1981, showing date and time, location, atmospheric pressure, wind speed and direction, and dry and wet air temperature.

Date	Time (GMT)	Station		Location		Wind		Pressure		Air Temp. (°C)	
		No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd (kts)	(mb)	Dry	Wet	
July	2 2046	1	CR- 8	41 53.8	125 12.1	000	13	1013.1	12.0	11.2	
	2 2240	2	CR- 7	41 53.9	124 00.2	020	8	1013.5	10.7	9.8	
July	3 0700	3	CR- 3	41 54.0	124 29.0	VAR	2	1015.0	8.6	8.4	
	3 0752	4	CR- 2	41 53.8	124 23.9	310	5	1015.0	9.3	9.1	
	3 0842	5	CR- 1	41 54.1	124 17.9	330	5	1014.9	9.4	9.1	
	3 1036	6	CR- 4	41 54.0	124 36.1	AIR		1014.9	10.3	10.0	
	3 1147	7	CR- 5	41 54.0	124 42.0	AIR		1015.2	10.0	10.5	
	3 1259	8	CR- 6	41 54.1	124 48.1	AIR		1015.8	9.9	9.9	
July	4 1952	9	COC-1	38 39.8	123 25.6	300	8	1016.1	12.6	12.1	
	4 2041	10	COC-2	38 38.8	123 26.9	330	10	1016.6	12.7	12.1	
	4 2139	11	COC-3	38 37.4	123 28.7	280	8	1016.9			
	4 2213	12	COC-4	38 36.3	123 30.9	VAR	4	1016.8	12.7	12.2	
	4 2248	13	COC-5	38 34.6	123 33.3	330	5	1016.2	15.5	13.5	
	4 2337	14	COC-6	38 32.7	123 36.2	310	12	1016.0	13.5	12.5	
July	5 0021	15	COC-7	38 30.3	123 39.6	310	10	1016.2	13.2	12.5	
	5 0129	16	COC-8	38 27.1	123 44.5	330	10	1016.1	13.3	12.7	
	5 0251	17	COC-9	38 24.0	123 49.2	310	10	1016.8			
	5 0407	18	COC-10	38 20.8	123 54.5	340	6	1016.1			
	5 0525	19	COC-11	38 17.6	123 59.3	310	10	1016.2			
	5 0644	20	COC-12	38 14.3	124 04.3	320	5	1016.7	15.8	14.5	
	5 0838	21	COC-13	38 07.9	124 14.3	330	12	1015.0	15.4	14.2	
	5 1028	22	COC-14	38 01.3	124 23.8	330	10	1015.0	15.2	14.0	
	5 1252	23	COC-15	37 51.7	124 38.2	300	10	1015.2	15.2	14.1	
	5 1520	24	COC-16	37 42.0	124 53.0	340	8	1016.1	15.3	14.3	
	5 1700	25	OFS-1	37 48.0	124 55.0	345	6	1017.5	15.5	14.3	
	5 1805	26	OFS-2	37 53.5	124 57.0	315	8	1016.5	15.8	14.3	
	5 1910	27	OFS-3	37 59.0	124 58.4	300	12	1010.0	16.2	14.9	
	5 2022	28	OFS-4	38 05.0	125 01.0	300	9	1010.0	15.6	14.4	
	5 2126	29	OFS-5	38 10.5	125 03.0	VAR	3	1010.0	15.7	14.3	
	5 2233	30	OFS-6	38 16.2	125 04.6	VAR	4	1015.9	16.0	14.5	
	5 2351	31	OFS-7	38 22.0	125 07.0	300	8	1015.8	17.4	15.2	
July	6 0107	32	OFS-8	38 27.7	125 08.5	300	10	1015.2	15.2	17.0	
	6 0233	33	OFS-9	38 34.0	125 10.4	340	14	1015.2	16.4	14.9	
	6 0333	34	OFS-10	38 37.0	125 12.4	340	15	1015.1	15.8	14.1	
	6 0514	35	OFS-11	38 35.0	125 07.3	340	15	1015.2	16.2	14.3	
	6 0626	36	OFS-12	38 31.0	125 04.4	330	18	1015.1	15.8	14.9	
	6 0742	37	OFS-13	38 26.5	124 56.8	350	18	1014.9	16.1	14.2	
	6 0901	38	OFS-14	38 22.4	124 51.0	350	16	1014.6	15.6	13.7	
	6 1028	39	OFS-15	38 18.4	124 46.1	350	15	1014.5	15.6	13.5	
	6 1152	40	OFS-16	38 14.1	124 40.3	330	17	1014.0	15.6	13.5	
	6 1331	41	OFS-17	38 10.0	124 35.0	330	16	1014.0	15.1	13.0	
	6 1455	42	OFS-18	38 05.9	124 29.8	320	16	1014.0	15.0	13.2	

Table 1. Continued.

Date	Time (GMT)	Station		Location		Wind		Pressure	Air Temp. (°C)		
		No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd (kts)	(mb)	Dry	Wet	
July	6 1625	43	COC-14	38 01.3	124 23.9	340	18	1014.4	15.6	13.8	
	6 1747	44	OFS-19	38 06.8	124 27.4	330	20	1014.9	14.9	13.1	
	6 1910	45	OFS-20	38 12.6	124 23.3	330	23	1015.0	15.0	13.4	
	6 2026	46	OFS-21	38 18.2	124 22.7	330	24	1014.9	14.9	12.9	
	6 2141	47	OFS-22	38 23.7	124 22.0	330	24	1015.0	15.5	13.6	
	6 2318	48	OFS-23	38 29.4	124 21.6	330	26	1015.8	14.5	13.2	
July	7 0041	49	OFS-24	38 35.1	124 21.1	330	26	1015.7	15.5	14.5	
	7 0211	50	OFS-25	38 40.9	124 20.6	330	28	1016.0	15.0	13.8	
	7 0321	51	AR-9	38 46.6	124 20.1	330	30	1015.9	14.3	12.5	
	7 0513	52	OFS-26	38 55.2	124 19.6	340	25	1016.9	12.9	11.3	
	7 0628	53	AR-8	38 48.3	124 14.1	340	24	1017.0	13.0	11.4	
	7 0744	54	OFS-27	38 44.1	124 10.2	340	25	1017.0	12.9	11.4	
	7 0852	55	OFS-28	38 39.2	124 06.6	330	25	1016.9	13.1	11.4	
	7 1004	56	NOR-8	38 34.4	124 03.0	330	26	1016.1	13.4	11.7	
	7 1113	57	OFS-29	38 29.8	124 00.0	330	30	1017.0	13.5	12.3	
	7 1215	58	OFS-30	38 25.3	123 57.2	330	30	1016.0	13.0	11.3	
	7 1315	59	COC-10	38 20.7	123 54.7	330	30	1016.5	13.0	11.6	
	7 1419	60	OFS-31	38 16.2	123 51.3	330	26	1016.2	13.5	11.7	
	7 1523	61	OFS-32	38 11.5	123 48.3	340	26	1016.6			
	7 1629	62	ROS-10	38 06.8	123 45.5	345	26	1016.8			
	7 1748	63	OFS-33	38 00.0	123 41.1	350	26	1016.4	13.1	11.4	
	7 1906	64	OFS-34	37 53.7	123 37.3	340	26	1016.2	13.0	11.9	
	7 2115	65	OFS-35	37 55.3	123 26.5	340	24	1015.1	13.5	11.0	
	7 2246	66	OFS-36	38 00.0	123 20.4	320	25	1015.0	13.8	12.0	
	July	8 0009	67	OFS-37	38 07.1	123 21.9	320	24	1013.7	12.9	11.6
		8 0129	68	OFS-38	38 13.3	123 23.0	320	25	1013.0	11.8	10.2
8 0316		69	HUN-12	38 19.2	123 26.2	320	26	1016.9	12.3	10.5	
8 0429		70	HUN-11	38 23.7	123 30.0	315	27	1012.1	12.2	10.6	
8 0710		71	COC-1	38 39.8	123 25.7	320	14	1012.5	12.5	10.1	
8 0744		72	COC-2	38 39.0	123 27.0	320	16	1012.3	12.0	10.3	
8 0817		73	COC-3	38 37.5	123 29.1	320	20	1012.0	11.9	10.3	
8 0856		74	COC-4	38 36.4	123 30.8	320	20	1012.6	11.1	10.0	
8 0946		75	COC-5	38 35.7	123 33.4	320	18	1012.1	11.5	10.4	
8 1034		76	COC-6	38 32.8	123 36.2	320	20	1012.6	11.4	10.2	
8 1123		77	COC-7	38 30.4	123 39.7	320	22	1013.0	11.3	10.5	
8 1254		78	COC-8	38 27.1	123 44.5	340	18	1014.0	12.4	11.1	
8 1423		79	COC-9	38 23.9	123 49.2	340	20	1014.7	13.1	11.8	
8 1554		80	COC-10	38 20.8	123 54.5	340	22	1015.4	13.6	12.2	
8 1909		81	HUN-11	38 23.7	123 29.9	320	22	1015.6	11.6	10.5	
8 2009		82	HUN-10	38 28.1	123 33.2	320	22	1015.8	11.5	10.5	
8 2105	83	HUN-9	38 31.4	123 36.5	320	22	1015.9	11.6	10.4		
8 2210	84	HUN-8	38 36.4	123 40.3	320	22	1016.0	11.3	10.4		
8 2315	85	HUN-7	38 40.8	123 43.7	320	25	1016.2	11.8	10.7		
July	9 0018	86	HUN-6	38 44.6	123 47.9	330	22	1016.5	12.3	11.0	
	9 0124	87	HUN-5	38 49.2	123 51.9	325	18	1017.0	12.5	11.2	
	9 0226	88	HUN-4	38 54.0	123 55.1	335	17	1016.8	12.3	10.9	
	9 0314	89	HUN-3	38 58.0	123 56.2	340	16	1016.2	12.2	10.6	
	9 0403	90	HUN-2	39 02.0	123 56.4	340	18	1016.1	12.1	10.3	
	9 0457	91	HUN-1	39 07.0	123 56.8	340	18	1016.4	12.6	10.5	

Table 1. Continued.

Date	Time (GMT)	Station		Location		Wind		Pressure	Air Temp. (°C)	
		No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd (kts)	(mb)	Dry	Wet
July	9 1019	92	AR-7	38 50.2	124 08.1	340	22	1017.0	12.6	11.3
	9 1137	93	AR-6	38 52.0	124 02.3	330	20	1017.0	12.4	11.5
	9 1233	94	AR-5	38 53.1	123 58.9	330	22	1017.0	12.5	11.5
	9 1312	95	AR-4	38 53.9	123 55.9	330	22	991.0	12.6	11.4
	9 1346	96	AR-3	38 54.9	123 52.6	330	20	1017.0	12.6	11.5
	9 1418	97	AR-2	38 55.8	123 49.3	330	19	1017.0		
	9 1452	98	AR-1	38 56.9	123 46.1	340	14	1017.3	12.0	10.9
	9 2243	99	OFS-33	37 59.9	123 41.1	320	24	1017.2	12.9	11.5
July	10 0035	100	REY-1	37 49.6	123 34.6	330	24	1016.9	12.9	11.7
	10 0225	101	REY-2	37 37.3	123 28.2	320	24	1016.0	13.3	12.0
	10 0410	102	REY-3	37 28.4	123 22.0	320	26	1016.0	13.4	12.0
	10 0606	103	HM-9	37 18.0	123 15.4	320	22	1016.9	13.3	11.6
	10 0731	104	HM-8	37 18.8	123 09.1	320	24	1015.8	12.6	11.2
	10 0855	105	HM-7	37 19.7	123 03.1	320	20	1015.3	12.5	11.3
	10 1041	106	HM-6	37 20.7	122 56.9	320	22	1015.2	12.3	11.1
	10 1238	107	HM-5	37 21.4	122 50.7	320	16	1016.0	12.2	11.0
	10 1405	108	HM-4	37 22.2	122 44.9	320	12	1016.2	12.0	11.7
	10 1456	109	HM-3	37 23.0	122 39.1	330	10	1016.0	13.4	12.0
	10 1545	110	HM-2	37 23.8	122 33.4	320	8	1016.2	13.1	11.3
	10 1625	111	HM-1	37 24.5	122 28.1	310	10	1016.8	13.9	11.2
July	11 1013	112	PUR-1	34 45.0	120 42.0	330	12	1014.1	14.2	13.0
	11 1102	113	PUR-2	34 45.0	120 47.6		12	1014.1	13.9	12.6
	11 1151	114	PUR-3	34 45.0	120 54.0	330	16	1014.1	13.9	12.6
	11 1246	115	PUR-4	34 45.0	121 00.0	330	15	1014.0	14.0	12.9
	11 1414	116	PUR-5	34 45.0	121 12.1	330	16	1015.2	14.6	13.4
	11 1607	117	PUR-6	34 45.0	121 24.0	330	20	1015.0	14.9	13.4
	11 1750	118	PUR-7	34 45.0	121 36.0	330	15	1016.0	14.9	13.4
	11 1941	119	PUR-8	34 44.9	121 48.0	330	18	1015.4	14.5	13.1
	11 2141	120	PUR-9	34 45.0	122 00.0	330	18	1016.0	14.5	13.0
July	13 0152	121	COC-1	38 39.8	123 25.5	330	15	1015.0	11.6	10.1
	13 0217	122	COC-2	38 39.8	123 26.9	320	24	1015.0	11.4	10.0
	13 0248	123	COC-3	38 37.5	123 28.9	310	20	1015.0	11.5	10.1
	13 0321	124	COC-4	38 36.2	123 30.8	320	24	1015.0	11.5	10.1
	13 0354	125	COC-5	38 34.6	123 33.3	315	24	1015.0	11.5	10.2
	13 0431	126	COC-6	38 32.7	123 36.2	320	24	1015.4	11.7	10.6
	13 0513	127	COC-7	38 30.3	123 39.6	325	24	1016.0	11.7	10.7
	13 0626	128	COC-8	38 27.1	123 44.5	330	20	1016.1	12.0	11.3
	13 0802	129	COC-9	38 24.0	123 49.1	330	22	1016.6	12.3	11.5
	13 0940	130	COC-10	38 20.7	123 54.4	340	25	1016.9	12.4	11.6
	13 1133	131	OFS-30	38 25.2	123 57.2	330	28	1017.2	12.5	11.6
	13 1305	132	OFS-29	38 29.9	124 00.0	330	24	1017.5	12.2	11.5
	13 1421	133	NOR-8	38 34.5	124 03.1	320	22	1015.0	12.7	11.9
	13 1634	134	OFS-27	38 44.0	124 10.4	340	22	1018.2	13.4	12.4
	13 1756	135	AR-7	38 50.2	124 08.1	335	24	1018.3	12.6	11.7
	13 1924	136	AR-6	38 52.1	124 02.3	340	20	1018.6	12.6	11.4
	13 2032	137	AR-5	38 53.1	123 59.0	340	18	1018.5	12.5	11.3
	13 2121	138	AR-4	38 53.9	123 55.8	340	17	1018.1	12.4	11.1
	13 2200	139	AR-3	38 55.0	123 52.6	340	15	1017.9	12.2	11.0
	13 2236	140	AR-2	38 55.8	123 49.3	340	16	1017.4	12.0	10.8
	13 2325	141	AR-1	38 56.9	123 46.1	330	12	1017.2	11.9	10.6

near Pt. Reyes on 8 July (Figure 3, Table 1). The nearshore part of the Code Central Line (Stations 71-80) was repeated before continuing stations along the 100 fm isobath (Stations 81-91), and a section off Pt. Arena (Stations 92-98) was completed on 9 July (Figure 4). Surface drifters were deployed around Pt. Arena on 9 July. Additional CTD stations (100-102) were made off Pt. Reyes before occupying the section (Stations 103-111) off Half Moon Bay on 10 July (Figures 1, 3).

A section (Stations 112-120) was occupied off Purisima Pt. (Figure 1) on 11 July. A final survey of the Code region consisting of sections along the Code Central Line (Stations 121-129), the Arena Line (Stations 135-141) and a few stations (130-134) between these lines (Figure 4) was completed on 13 July. The final set of drifters was deployed around Pt. Arena on 14 July 1981. The R/V *Wecoma* arrived in Yerba Buena Island on 14 July after completing 141 CTD stations, recording 12 days of continuous doppler acoustic velocity data, and releasing 41 surface drifters.

Wind speed increased from the beginning of the cruise to a maximum of 30 kts on 7 July, after which it remained between 10 and 25 kts (Figure 5). Wind direction was predominantly between 300°T and 340°T throughout the cruise (Figure 5). The most common wind speed observed at CTD stations was between 20 and 24 kts, and the most common wind direction was between 315° and 344°T (Figure 6). The mean wind speed was 19 kts and the mean direction was 328°T ; the standard deviations of speed and direction were 6 kts and 13° . Winds were generally alongshore (southeastwards) in the Code region between Pt. Arena and Pt. Reyes (Figures 7, 8). Winds in this region were similar to those observed in April and May 1981 (Fleischbein et al., 1982; Gilbert et al., 1981, 1982).

Scientific personnel on the cruise were Adriana Huyer, Robert Still, Dennis Barstow, Richard Schramm, Henry Pittock, Henry Schaechterle, David Still, Jane Fleischbein, Cydne Perhats, Mirth Miller, and Martin Olivera of Oregon State University, and Dan Rudnick of Scripps Institution of Oceanography.

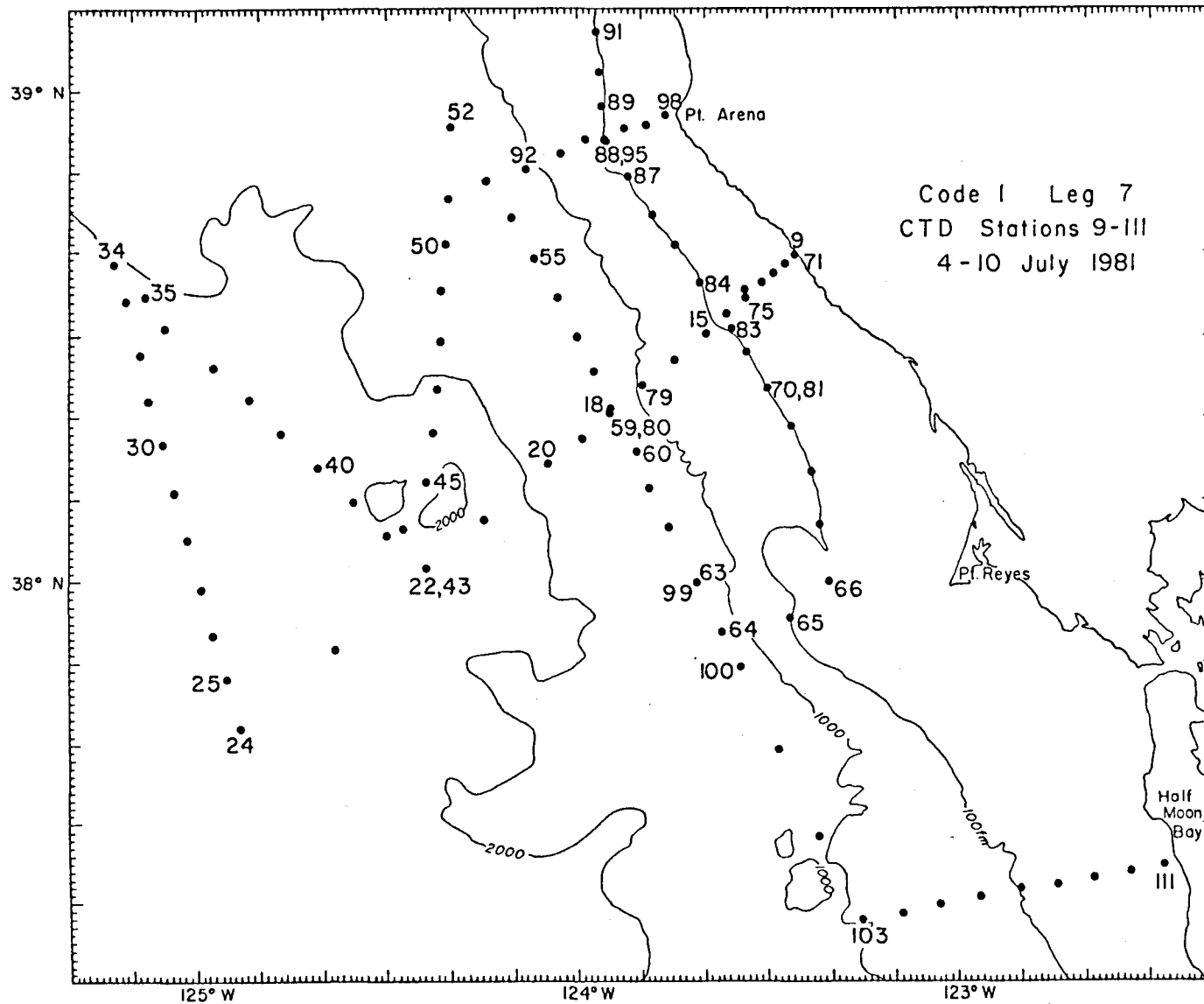


Figure 3. Location of stations in the offshore survey in the Code region, 4-10 July 1981.

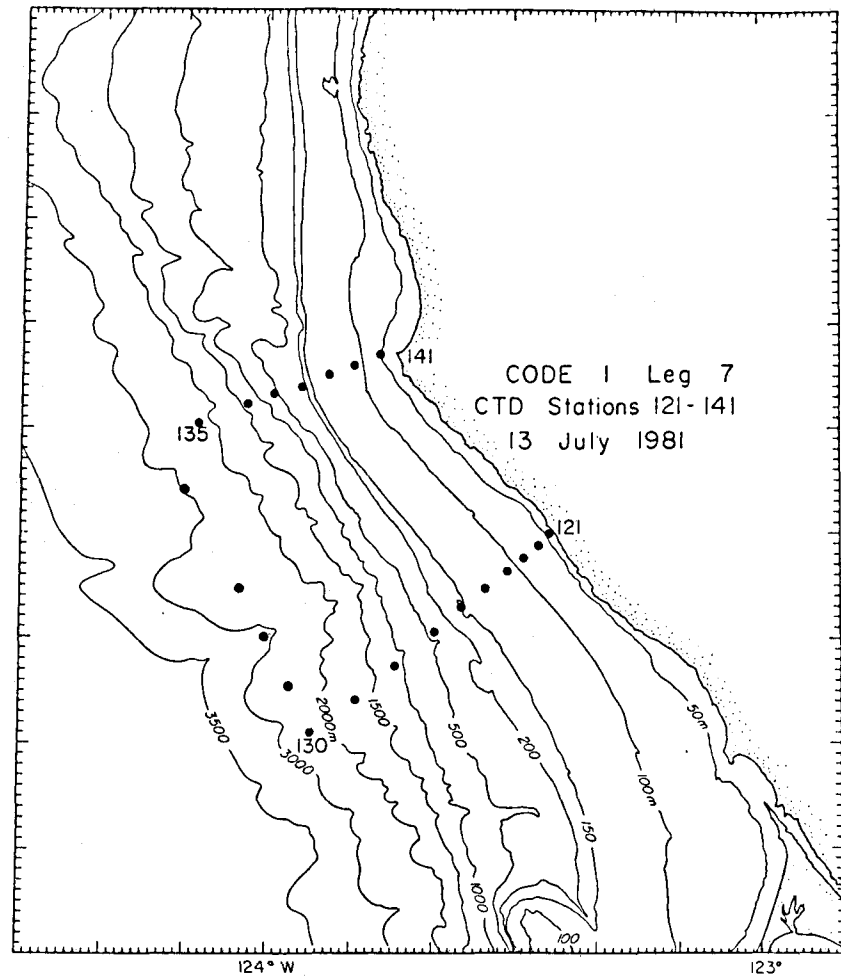
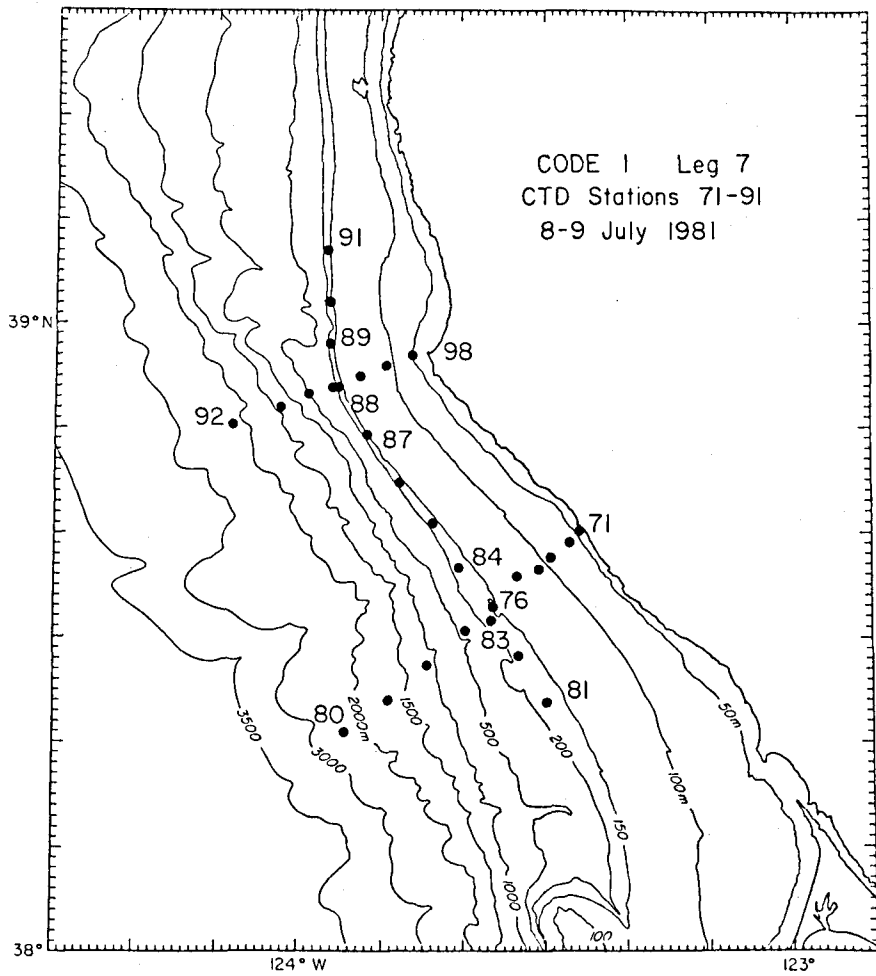


Figure 4. Location of stations in the Code region, 8-13 July 1981.

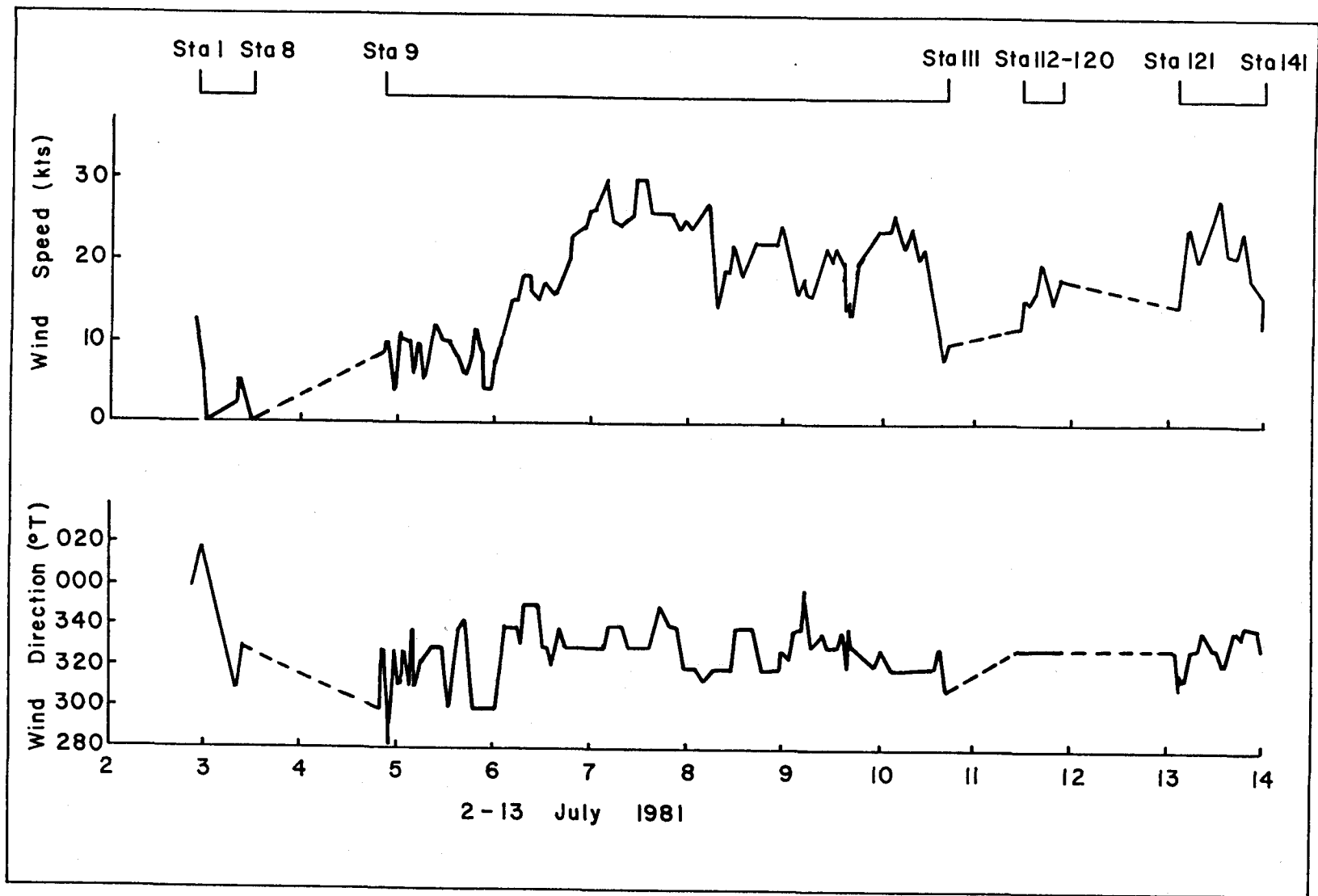


Figure 5. Time series of wind speed and direction observed during CTD stations, 2-13 July 1981.

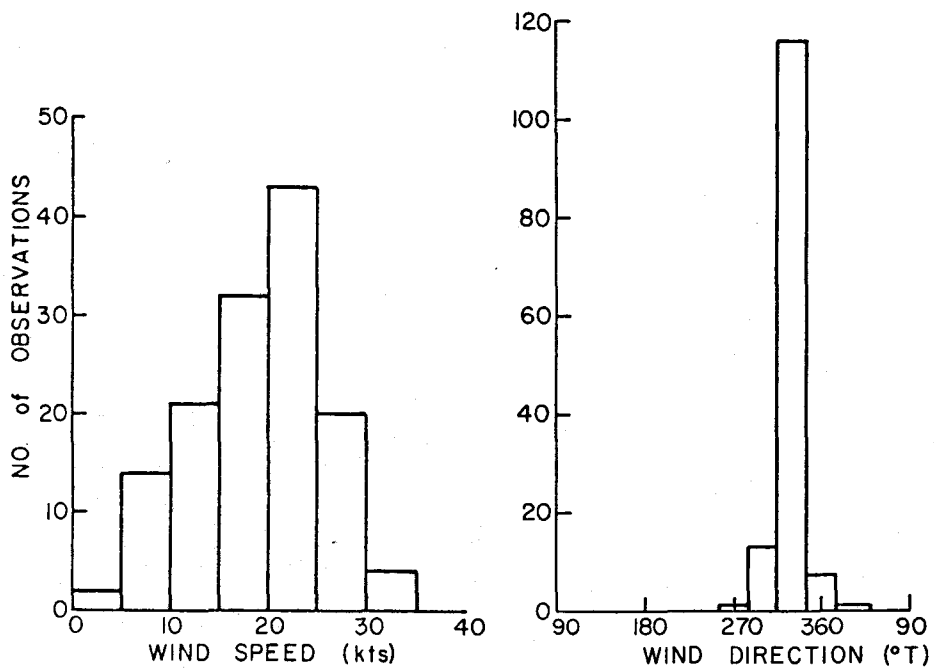


Figure 6. Histograms of wind speed and direction at each CTD station.

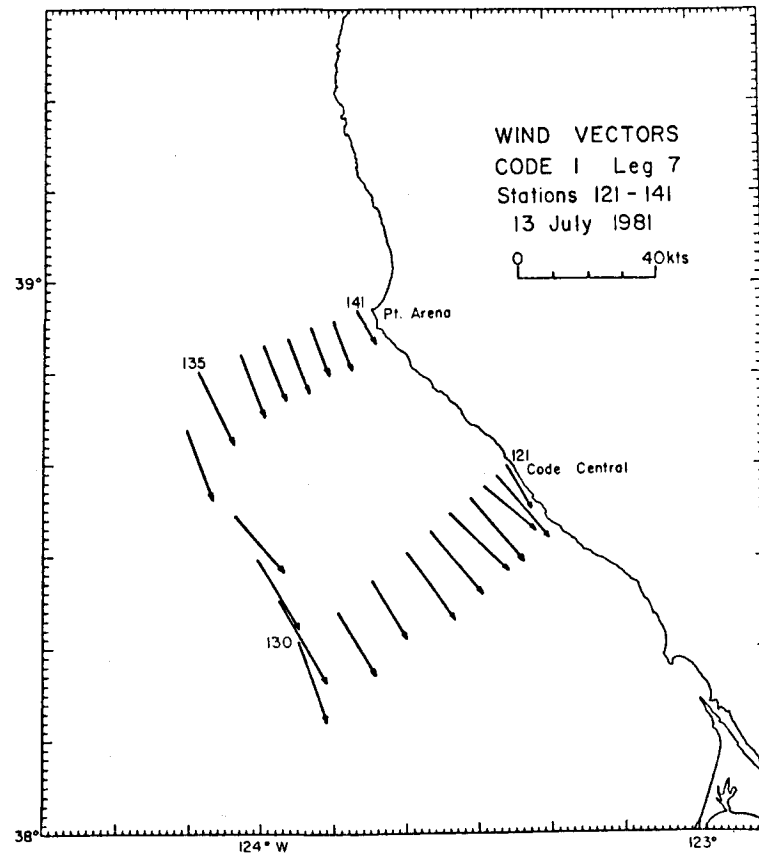
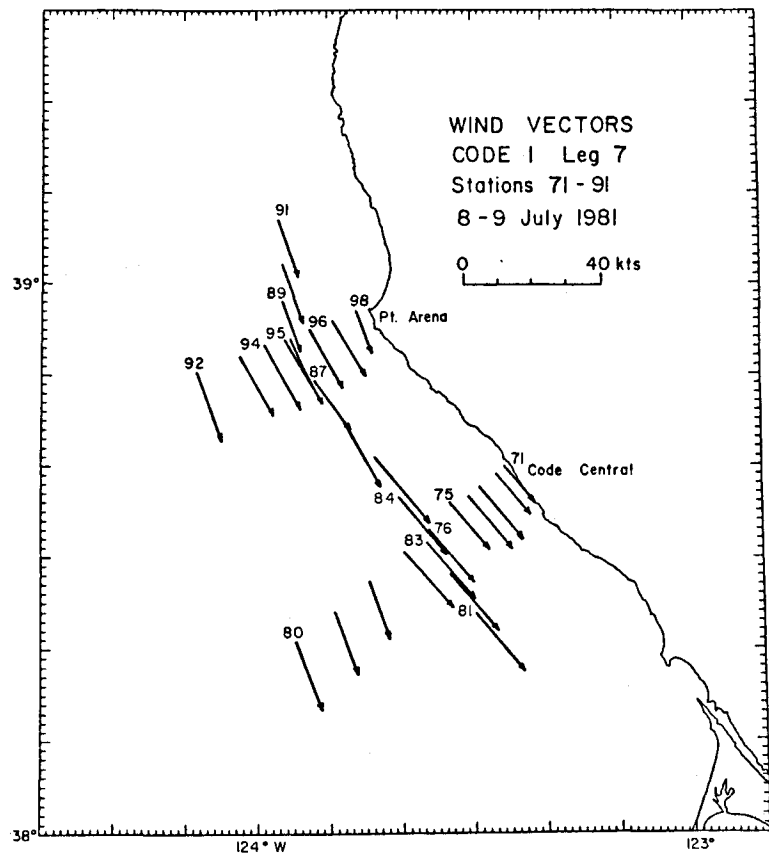


Figure 7. Wind vectors observed at CTD stations during mesoscale surveys in the Code region, 8-9 July and 13 July 1981.

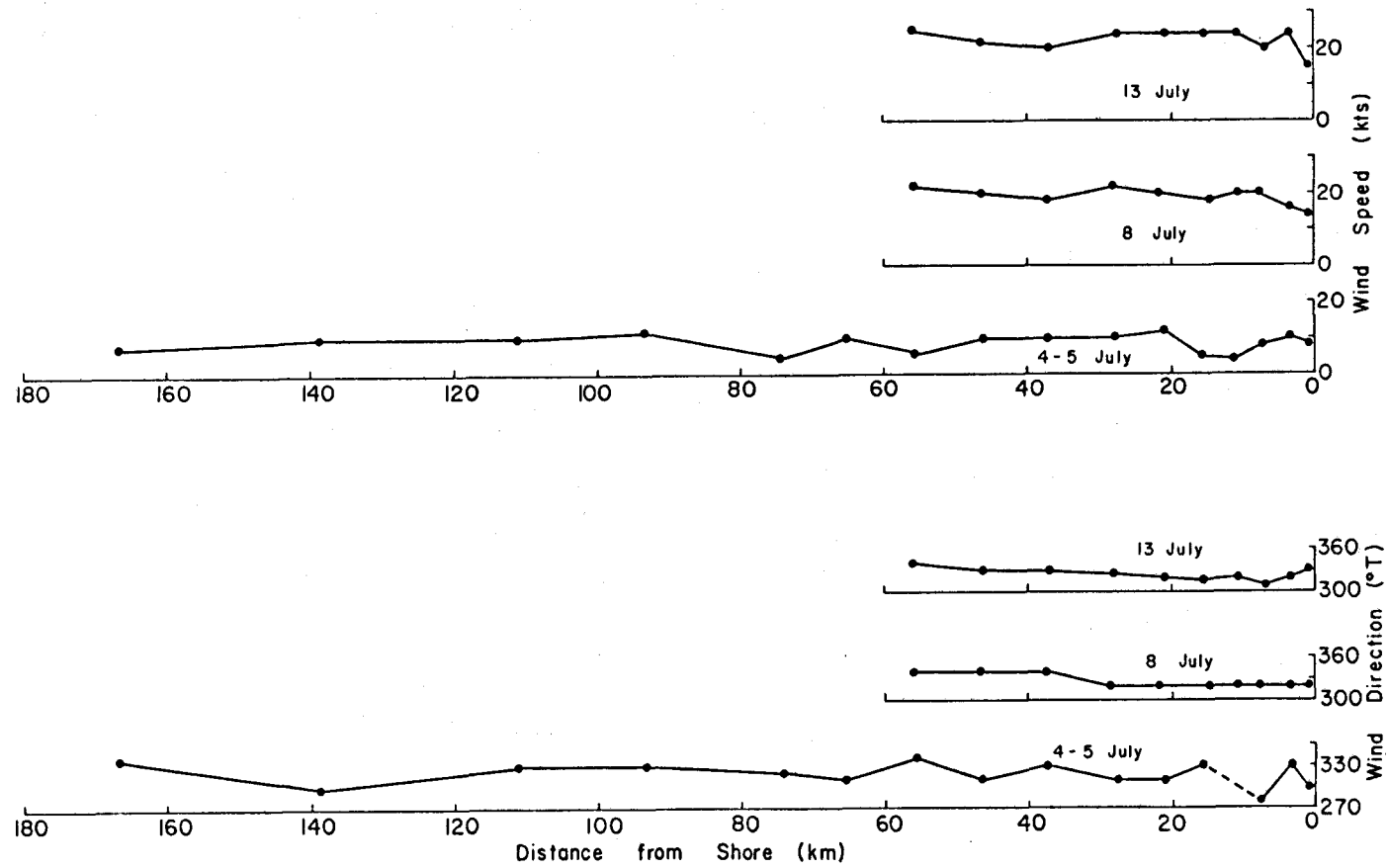


Figure 8. Wind speed and direction of CTD stations along the CODE Central Line, 4-13 July 1981.

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. Characteristics of the CTD probe are presented in Table 2. Sampling procedures were identical with those described by Fleischbein, et al. (1981).

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 Autosol salinometers with precision of better than $\pm 0.002^{\circ}/\text{‰}$ and accuracy of $\pm 0.003^{\circ}/\text{‰}$, using equations given by Bennett (1976).

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

Duplicate salinity samples were drawn from the Niskin bottle at each station. One set of samples was sent to the Northwest Regional Calibration Center (NRCC), Bellevue, Washington for analysis (Keir, 1981). The second set of samples was analyzed on OSU's Autosol #1. The two sets of salinity

Table 2. Characteristics of CTD probe 2567.

Probe	Sample Interval	Temperature Time Constant	P	Sensors		
				T	C	
2567	32 ms	180 ms	Range: 1600db Resolution: 0.025db Accuracy: ±1.6db	-3 to 32°C .0005°C ±.005°C	1 to 65 mmhos .005 mmhos ±.001 mmhos	

Table 3. Summary of the differences between the *in situ* calibration data and the Neil Brown CTD probe.

Sta. No.	Temperature $\Delta T(^{\circ}C)$			Conductivity ΔC (mmhos cm^{-2})			Salinity			Conductivity Correction
	N	mean	s.d.	N	mean	s.d.	N	mean	s.d.	
1-24	22	-0.001	0.007	23	0.000	0.002	23	0.001	0.002	0
25-61	35	-.004	.008	35	.006	.003	35	.006	.003	+0.006
62-141	67	-.002	.010	68	.011	.002	68	.012	.002	+0.011

samples were not in complete agreement. Analysis procedures at OSU included more frequent standardizations of the salinometer using International Standard Seawater. In addition, analysis of NOAA's Secondary Standard Seawater and other duplicate samples showed that OSU's Autosal #1 was operating within specifications in the salinity range of 30‰ to 40‰. We therefore used the samples analyzed at OSU to determine the *in situ* conductivity calibration.

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. Analysis of the conductivity differences showed a change in calibration after Station 24 and after Station 61 (Figure 9). Therefore the comparison of the *in situ* sample data and the CTD output was divided into sections based on the changes: stations 1-24, 25-61, and 62-141. The changes in conductivity calibration might have been the result of cleaning the conductivity cell with a solution of granular "Labtone" soap and/or a weak (5%) solution of hydrochloric acid. The cell was cleaned with soap and acid before Stations 9, 25, 80 and 134, and with acid alone before Stations 43, 62, 112 and 118, but changes in calibration occurred only at Stations 25 and 62. We do not understand why or how cleaning the cell at these stations differed from cleaning the cell at the other stations. We have since stopped routine cleaning of the conductivity cell.

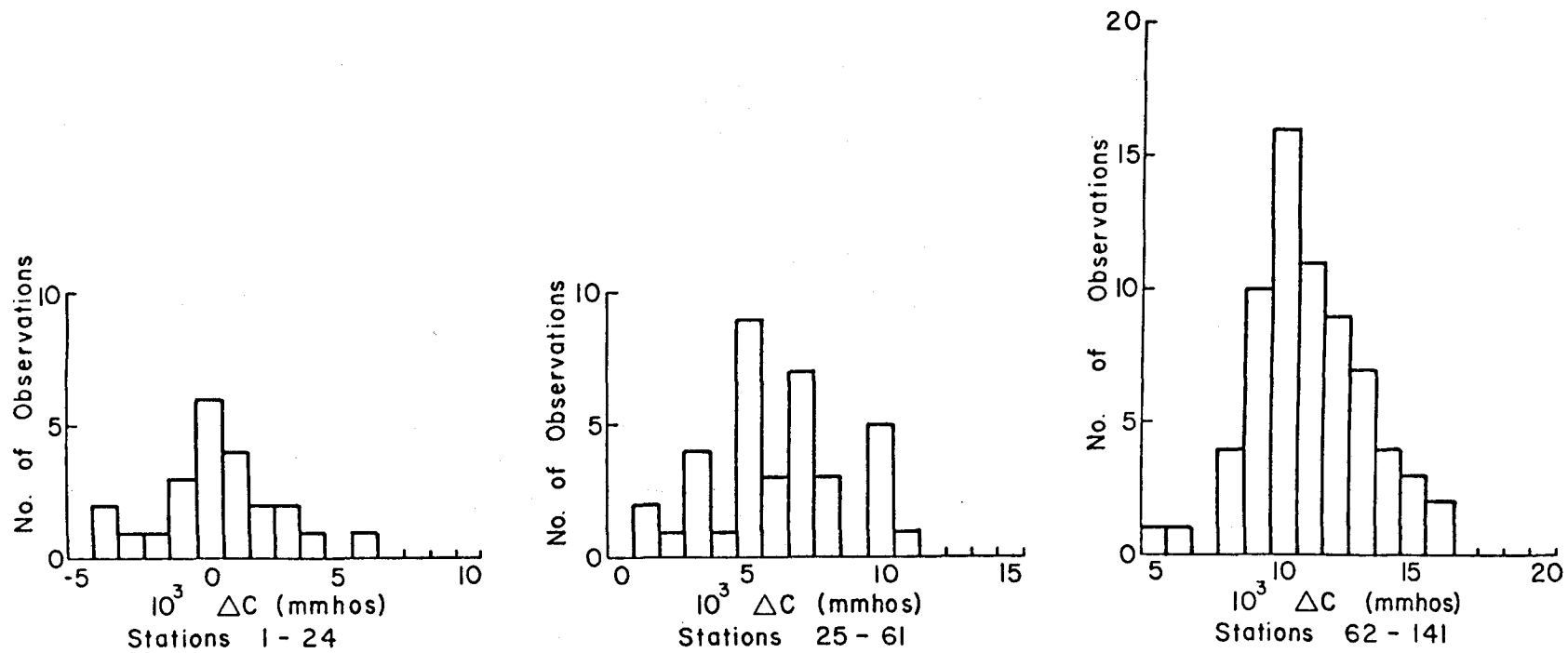


Figure 9. Histograms of the differences in conductivity between the calibration sample and the uncorrected CTD output.

The conductivity differences at Stations 1-24 had a mean of 0.000 and standard deviation of 0.002 so no further corrections were applied prior to processing the data at these stations. Conductivity corrections of mean +0.006 mmhos cm^{-2} and +0.011 mmhos cm^{-2} were applied from Stations 25-61 and Stations 62-141, respectively.

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

Table 4. Stations edited during data processing.

Station No.	Depth of Jump in Conductivity	Remedy
28	53-58db	Linear interpolation of processed salinity at 53-58db.
46	22-27db	Linear interpolation of processed salinity at 22-27db.
47	24-42db	Linear interpolation of processed salinity at 24-42db.
62	21-27db	Replaced data from 21-27db with data from recast.
65	119-124db, 152-154db	Linear interpolation of processed salinity at 119-124db, 152-154db.
74	22-33db	Linear interpolation of processed salinity at 22-33db.
84	68db	Linear interpolation of three lines of raw conductivity data at 68db; then reprocessed.
104	48-53db	Linear interpolation of processed salinity at 48-53db.
117	112-116db	Linear interpolation of processed salinity at 112-115db.
124	81-84db	Linear interpolation of processed salinity at 81-84db.
128	169-175db	Linear interpolation of processed salinity at 169-175db.
130	26db	Linear interpolation of 30 lines of raw conductivity data at 26db; then reprocessed.
133	35-45db	Joined data from 1-54db with data from recast to 55-505db from original cast.
136	204-208db	Linear interpolation of processed salinity at 204-208db.

DATA PRESENTATION

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

For the offshore survey of 4-10 July, we show maps of temperature, salinity, sigma-theta and dynamic height at selected depths. The distributions have been contoured by hand, using data from Stations 71-80 for the inshore portion of the Code Central Line, where stations were occupied twice. In these maps, we have not attempted to extrapolate the dynamic height into water shallower than the reference level - only data from stations as deep as 500 db are used.

For the mesoscale surveys of the Code region between Pt. Arena and Pt. Reyes, we show maps of surface temperature, salinity and sigma-theta, and of dynamic height at 0 db, 100 db and 200 db relative to 500 db. In this region, dynamic height at stations shallower than the reference level 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 1 and repeated Code Central Line 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 (initialed) and number of the station on the line (Refer to Figures 1 and 2).

LAT Latitude in degrees and minutes north of the equator.

LONG Longitude in degrees and minutes west of Greenwich.

DATE Day/Month/Year.

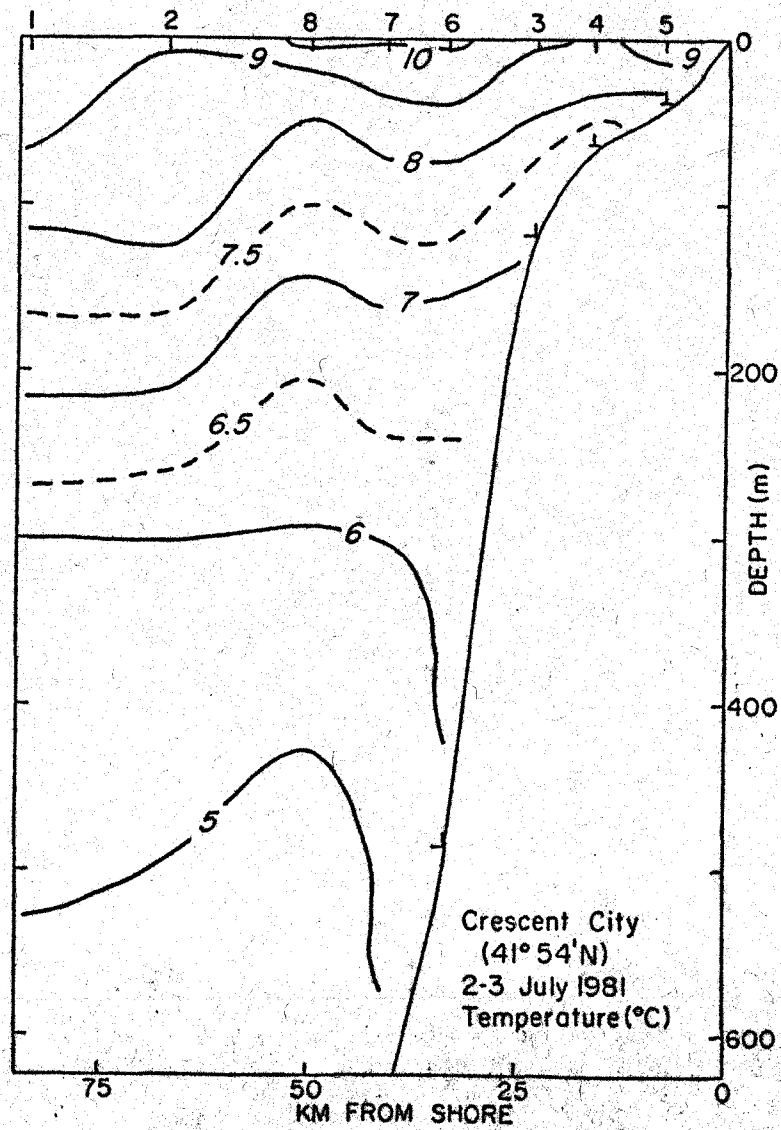
TIME Time in Greenwich Mean Time.

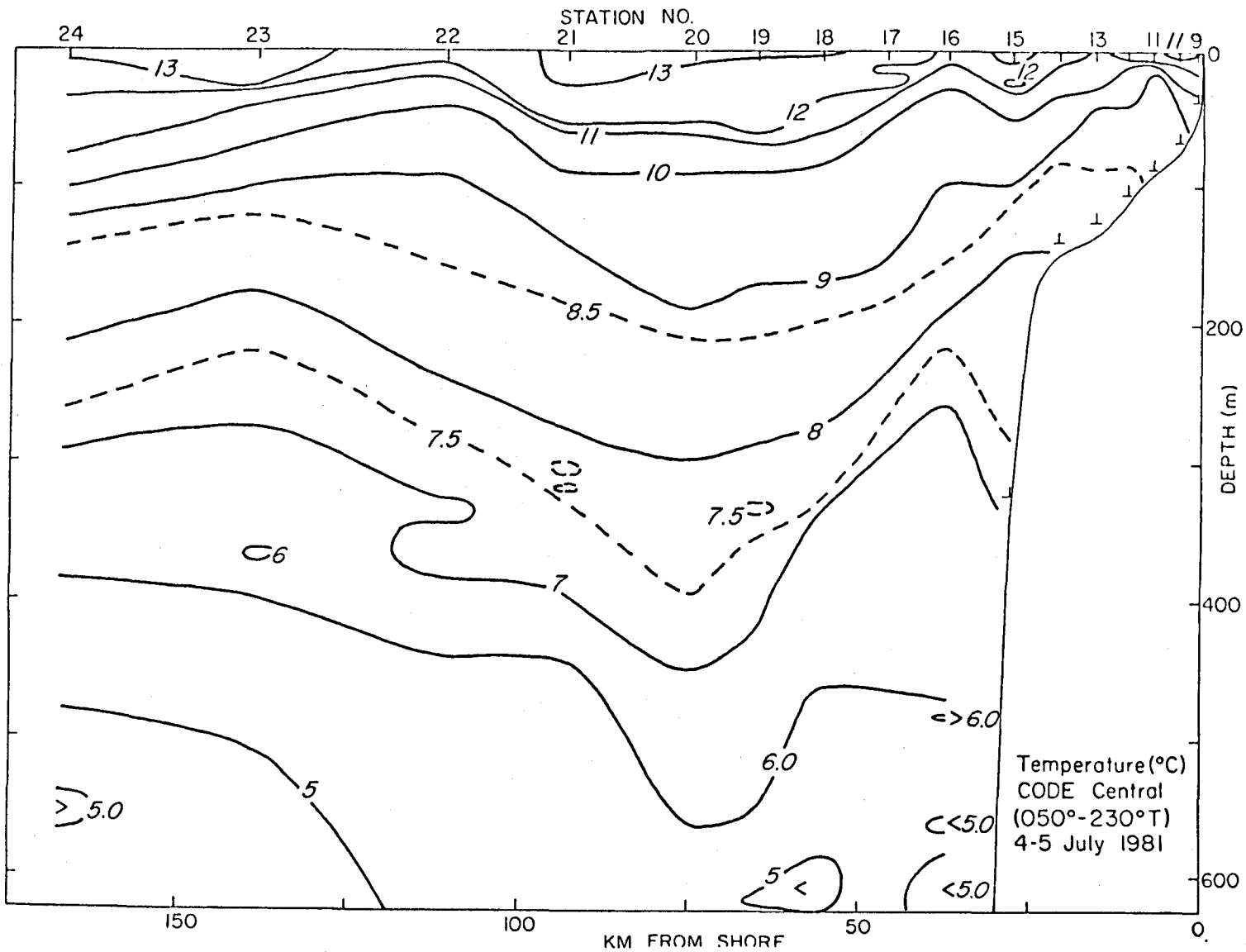
PROBE CTD probe number.

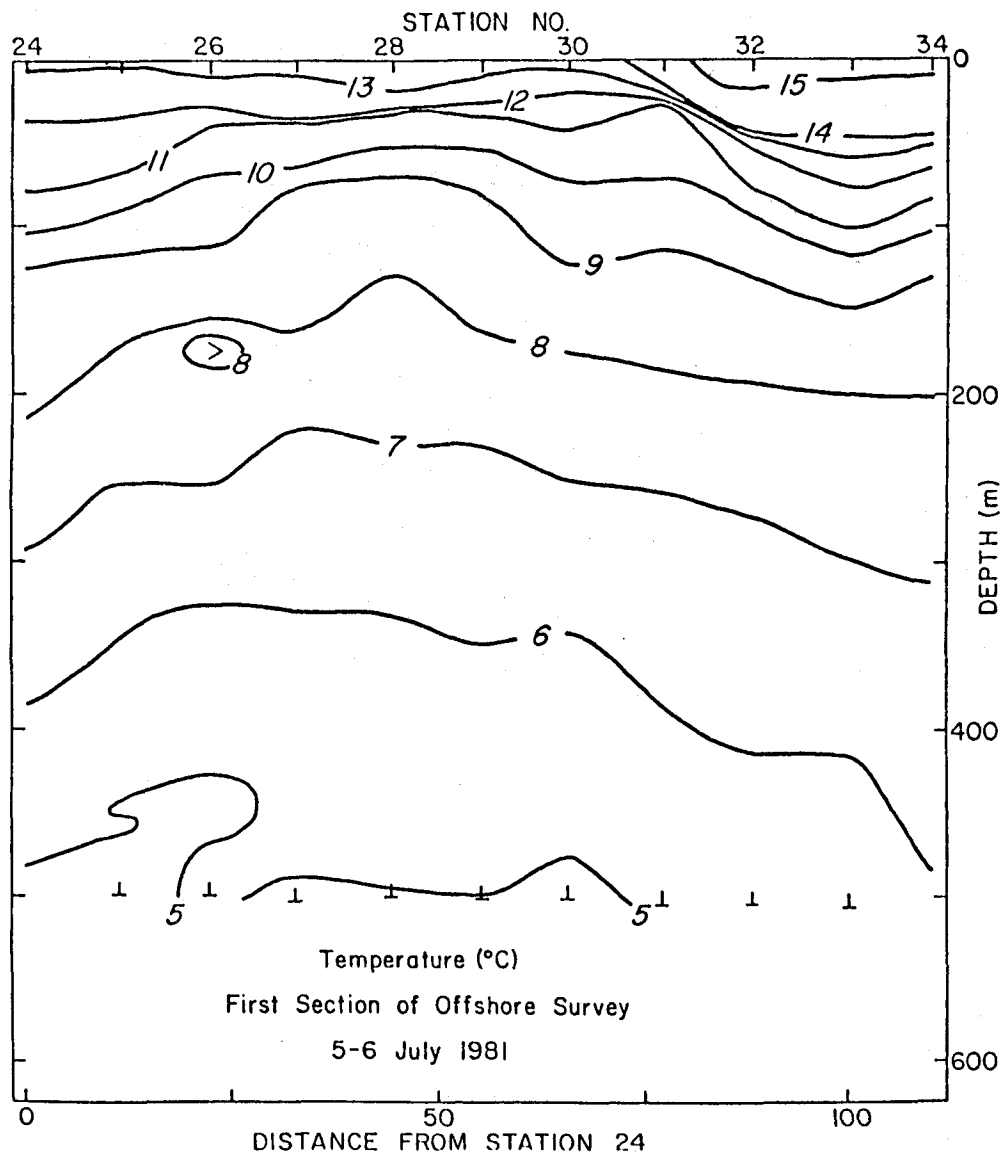
DEPTH Sonic depth in meters, corrected according to Matthews Tables appearing in the Handbook of Oceanographic Tables, U.S. Naval Oceanographic Office Publication SP-68 (1966).

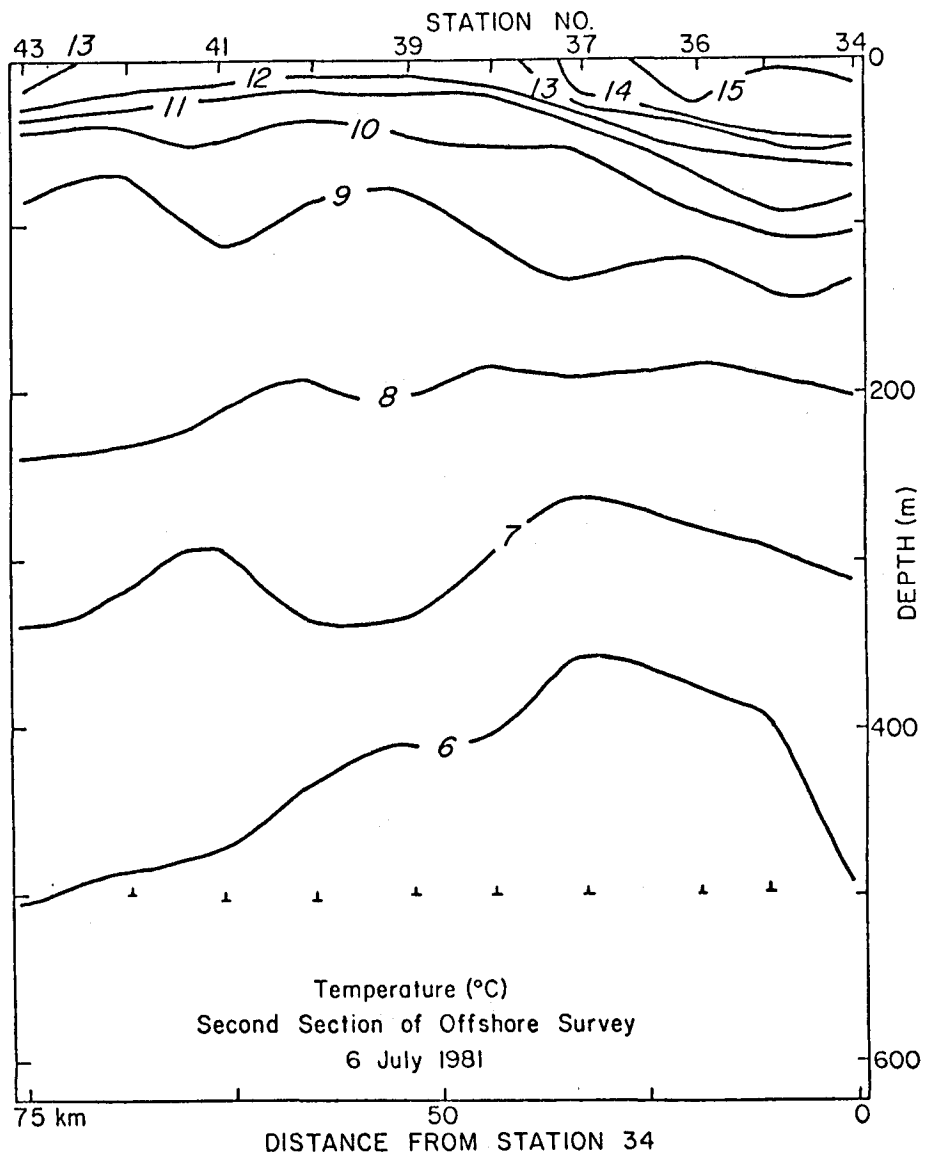
The data listing for each station gives values at standard pressures including observed and calculated parameters at the shallowest and deepest observations levels. Temperature (TEMP), salinity (SAL), potential temperature (POTEN TEMP), sigma-theta (SIGMA THETA), specific volume anomaly $\times 10^5$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

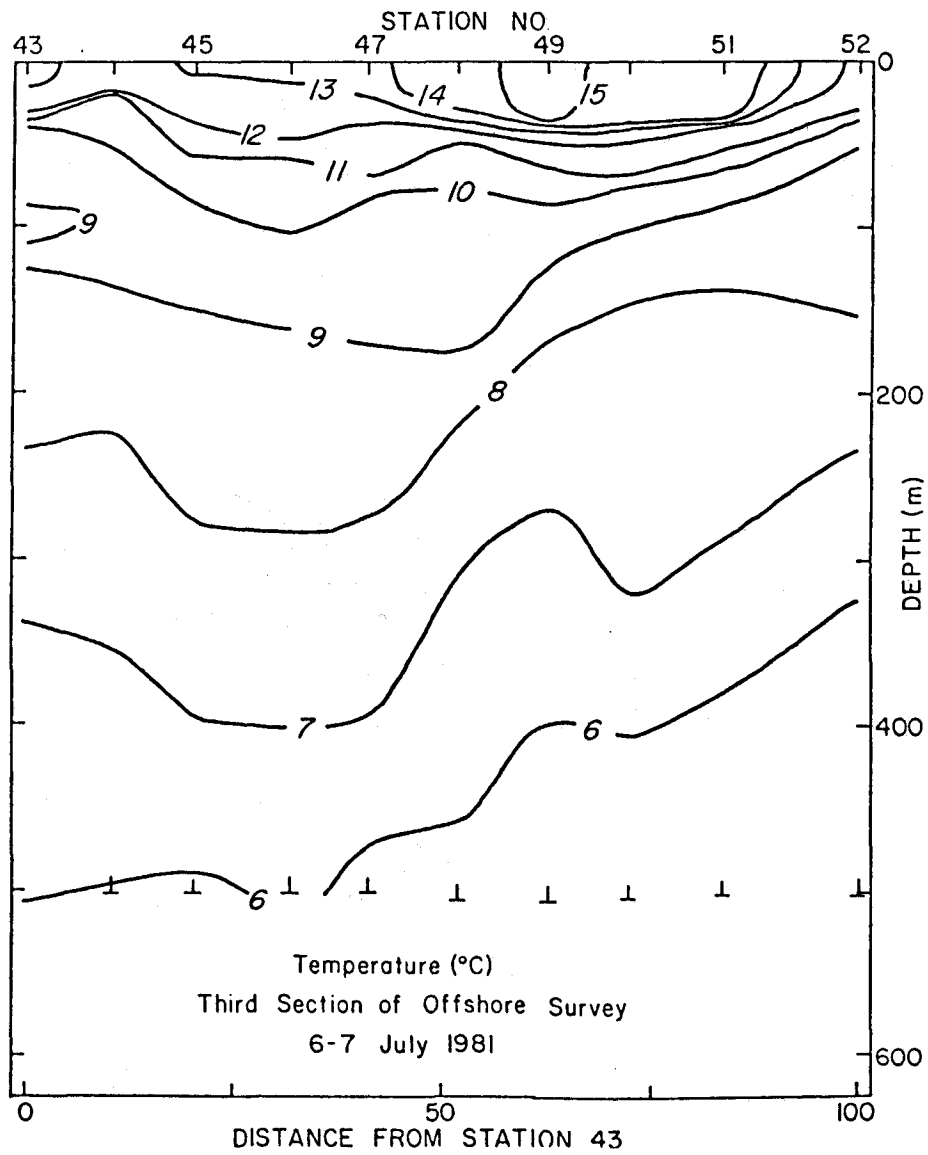
VERTICAL SECTIONS

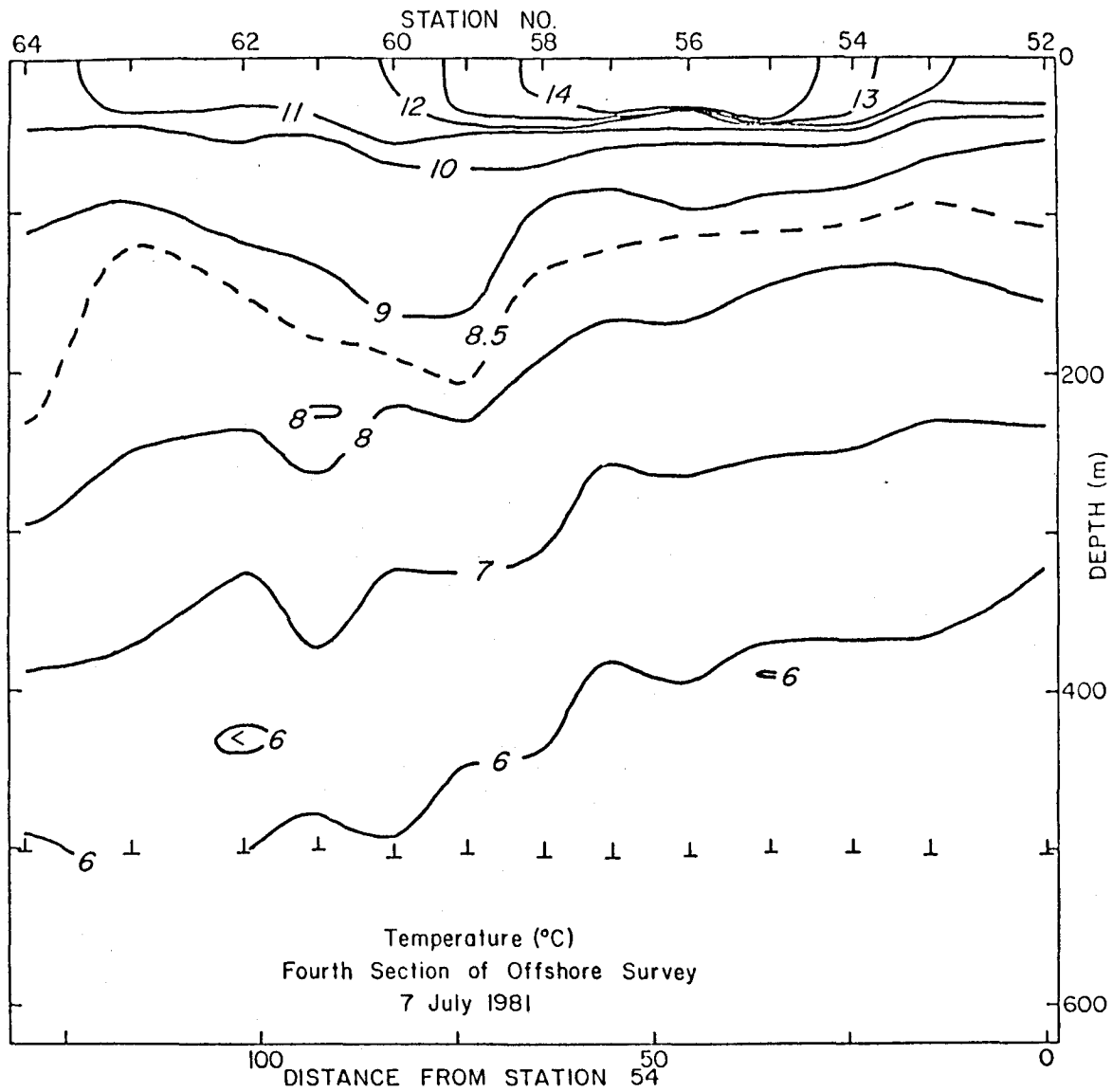


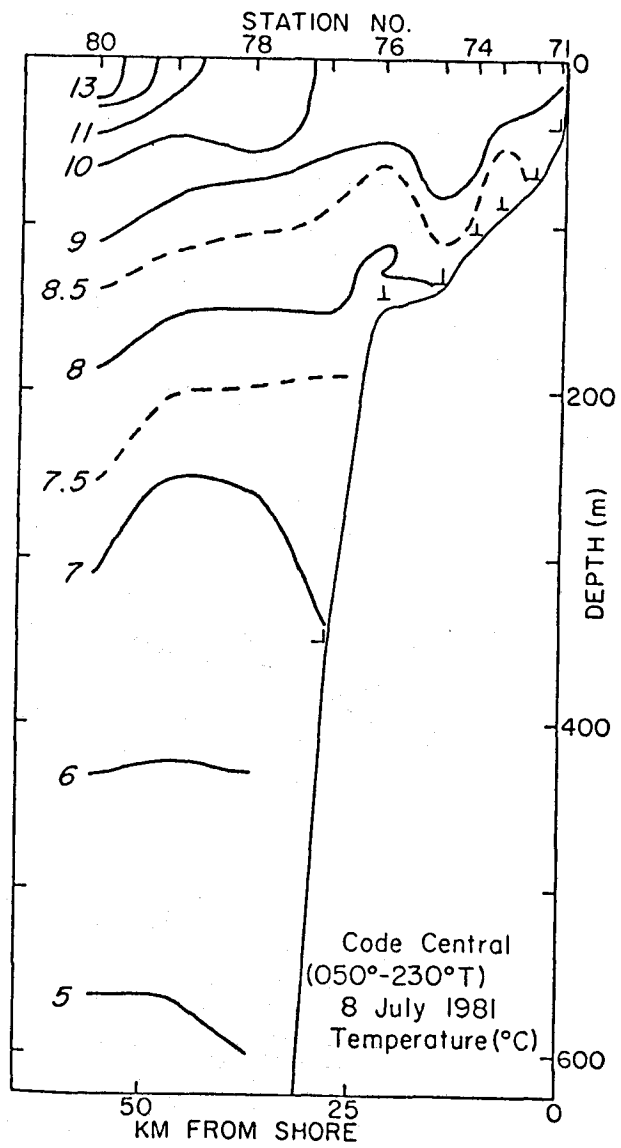


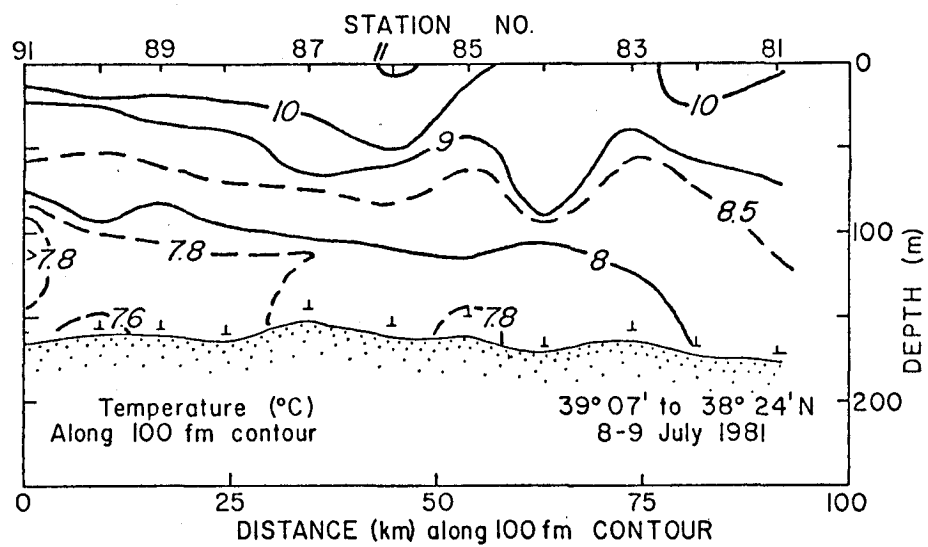


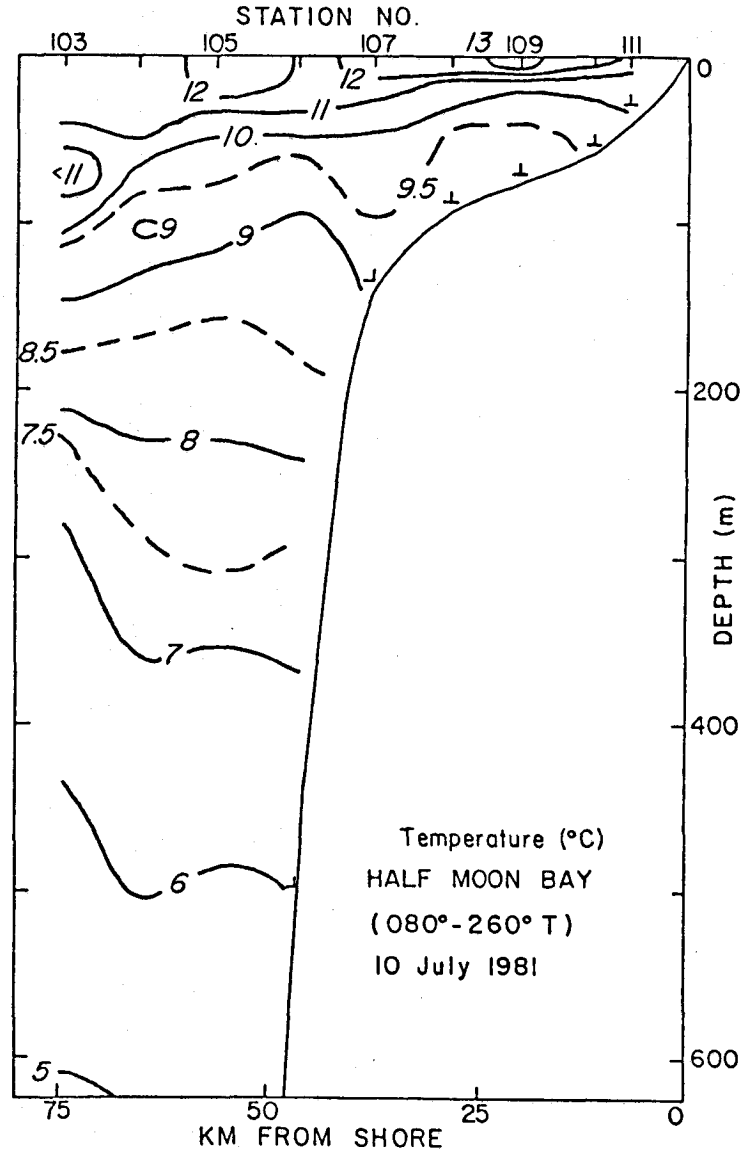
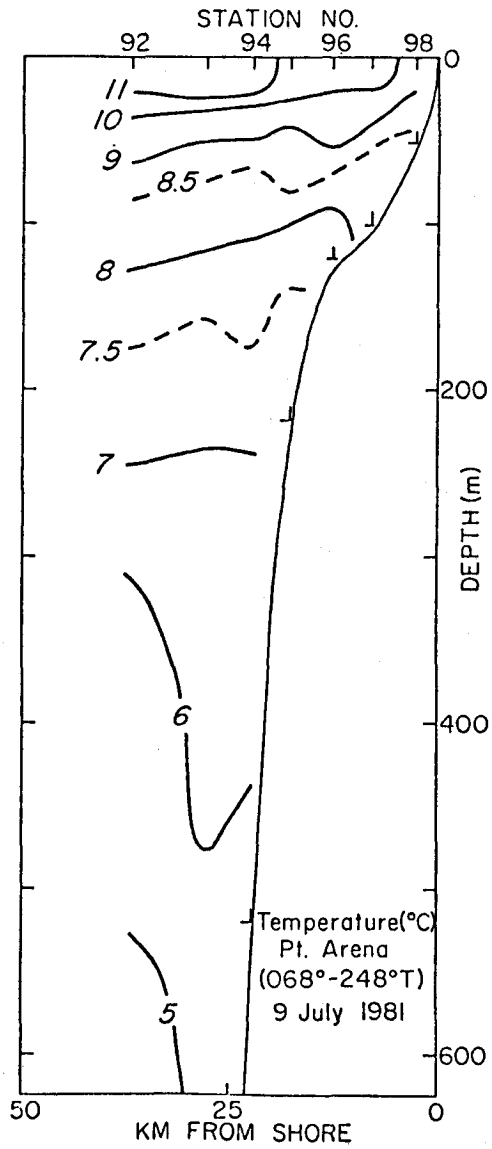


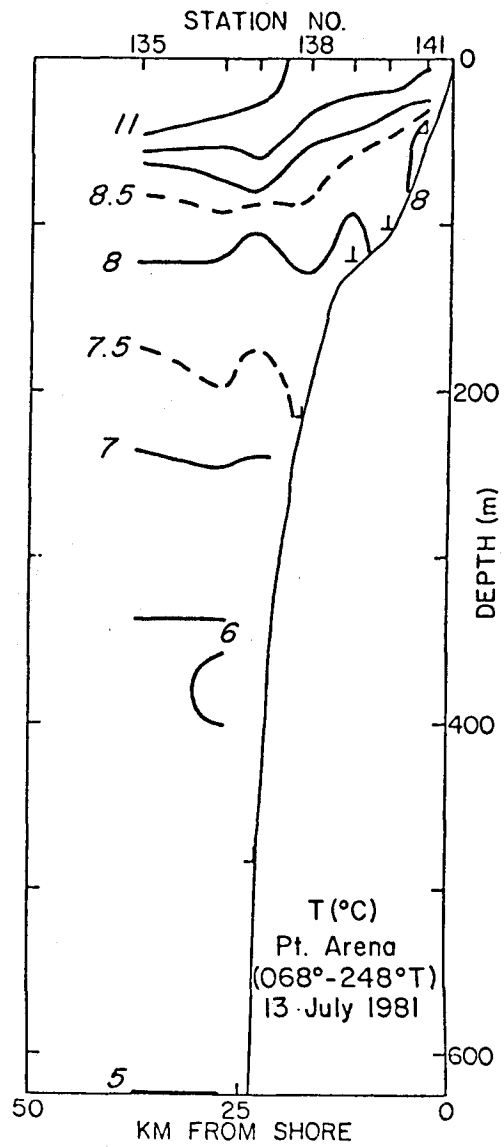
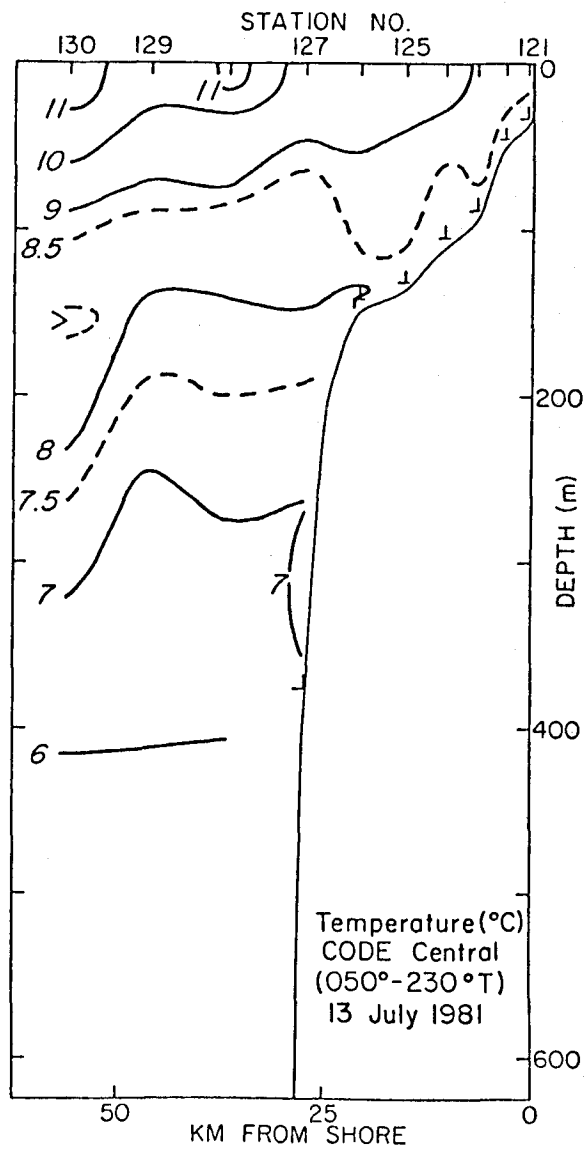


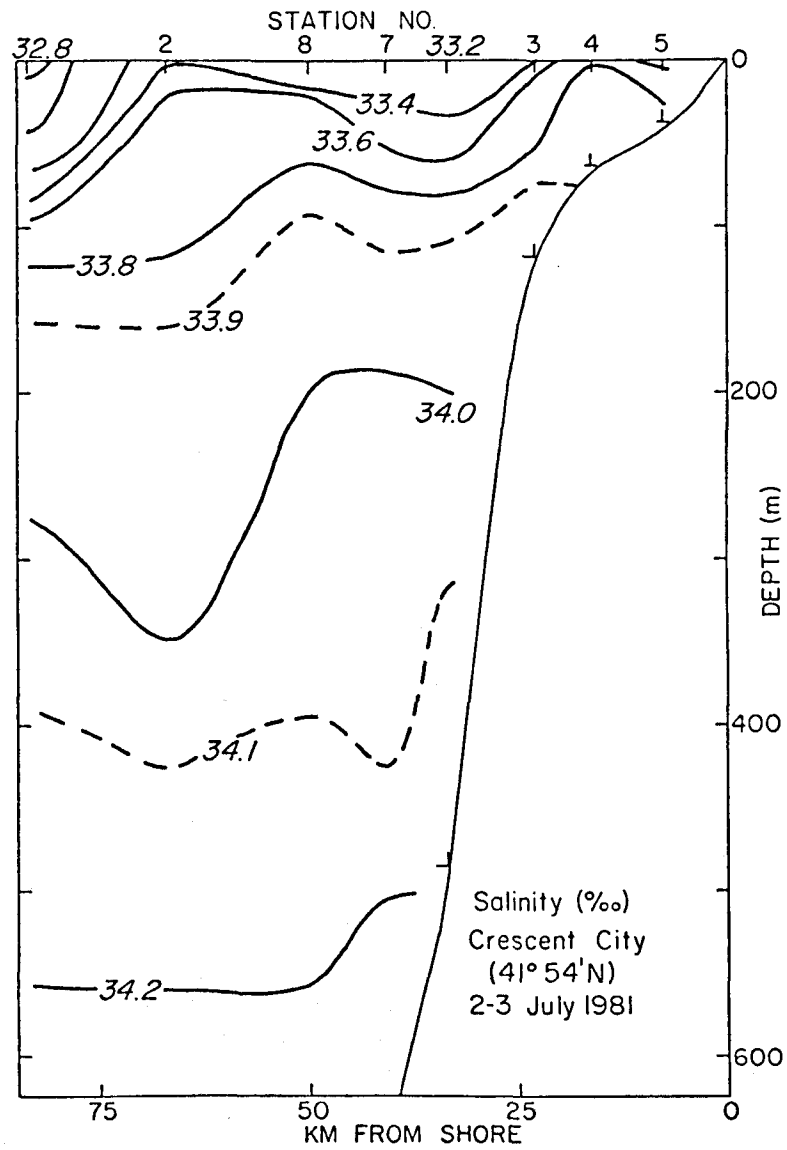


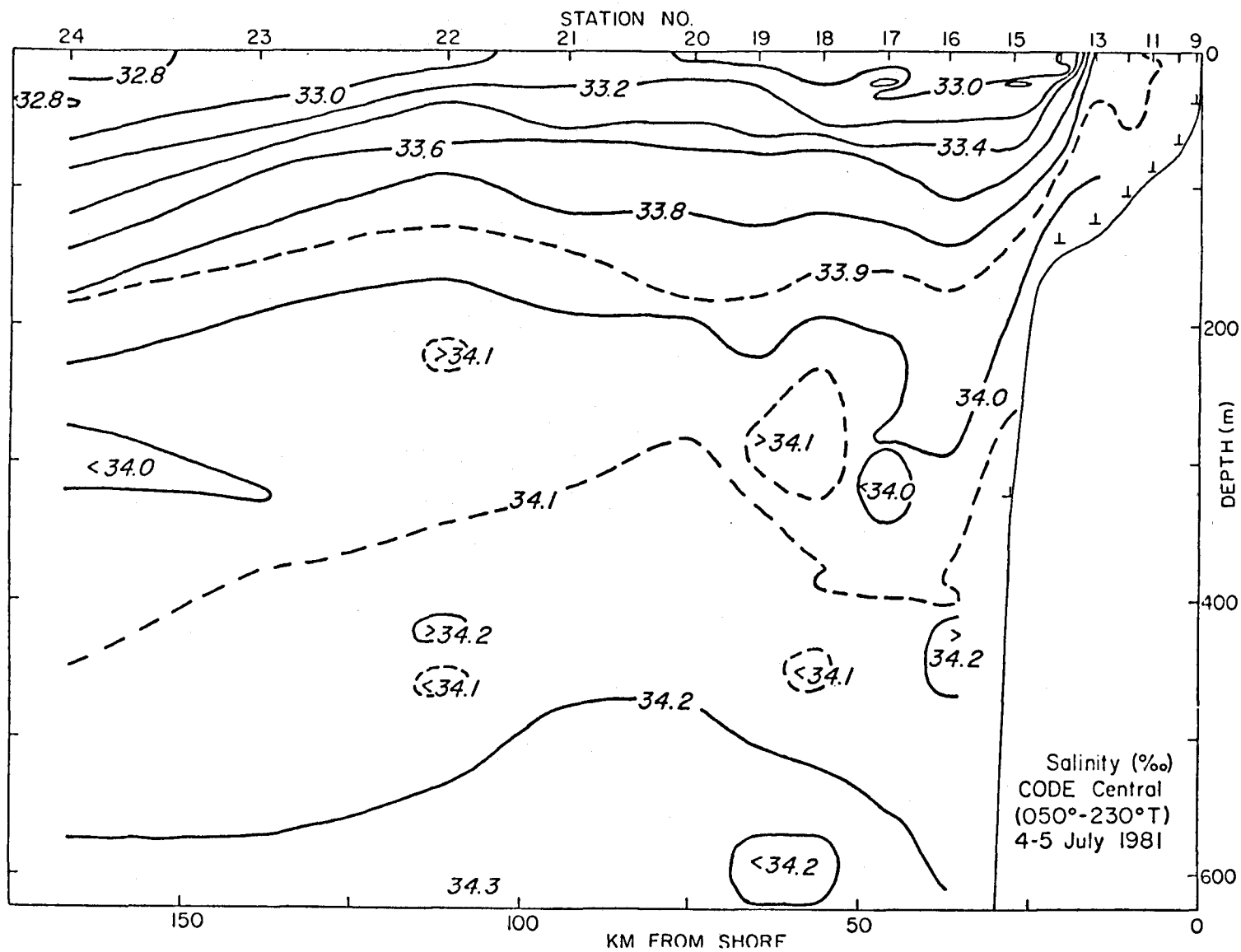


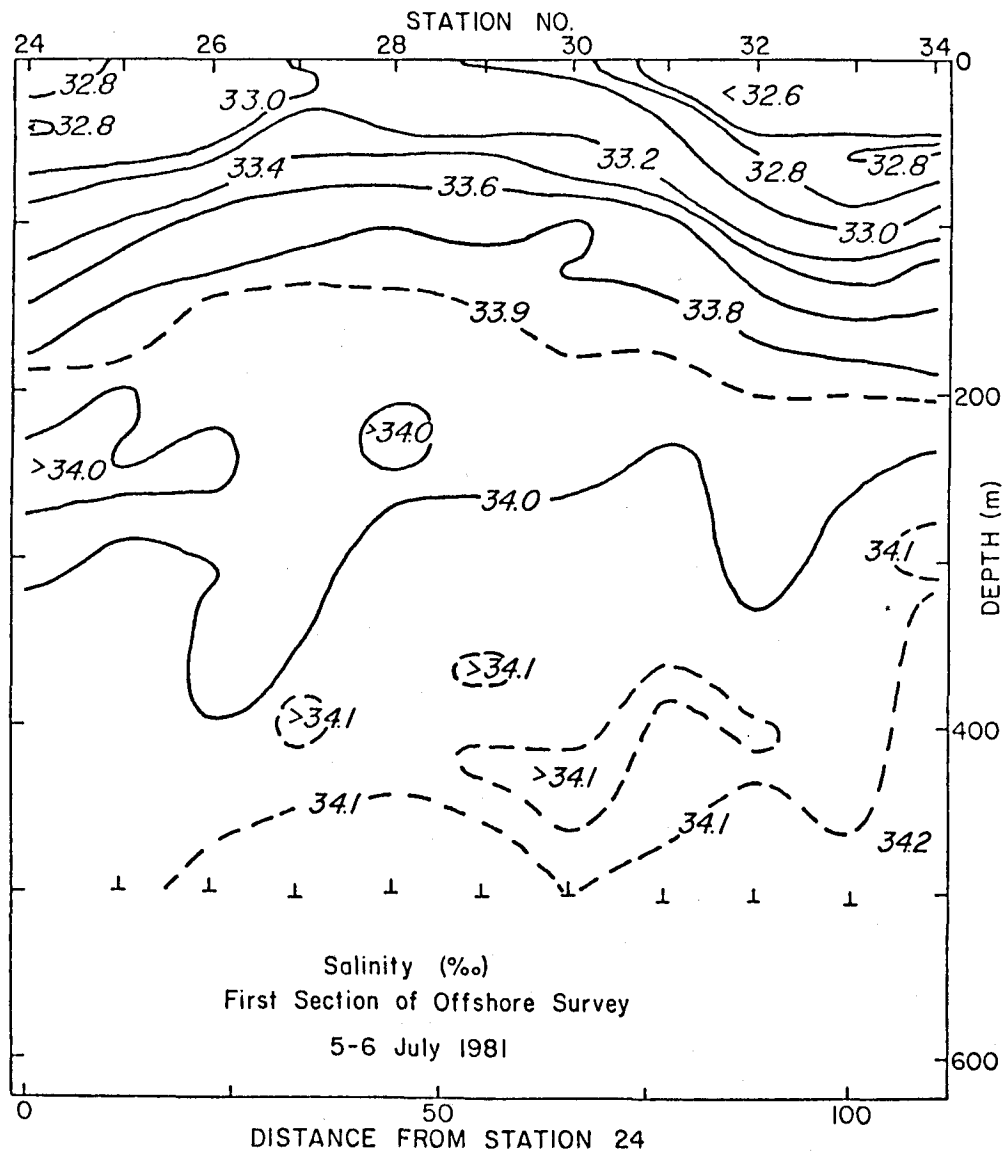


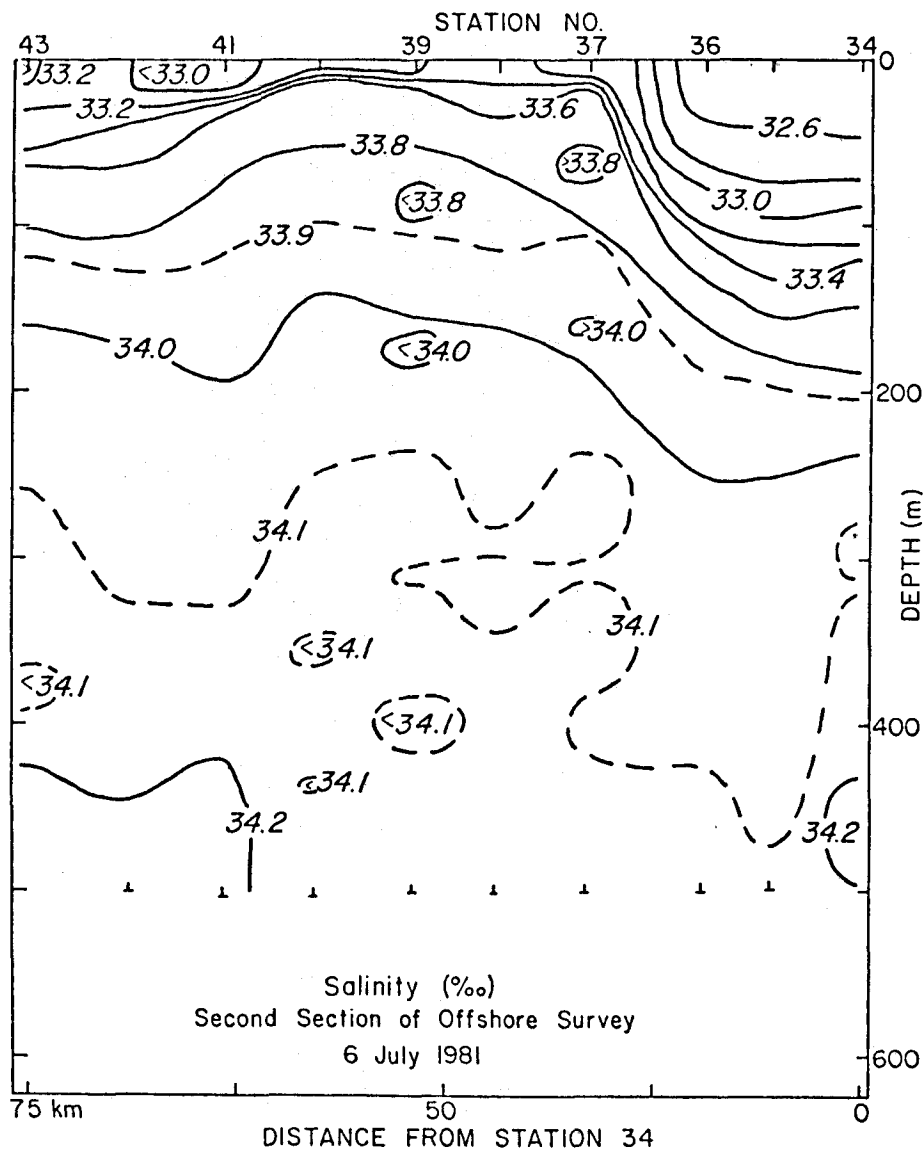


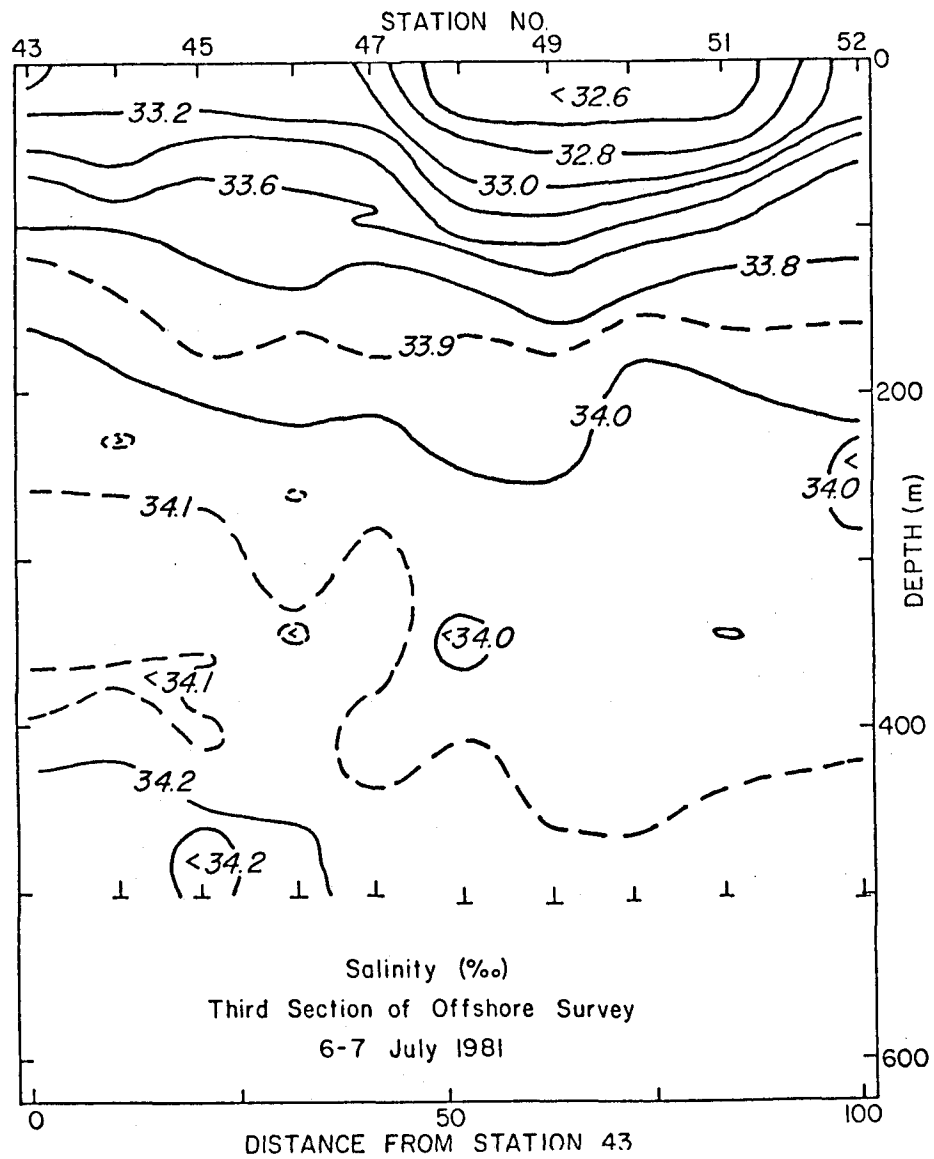


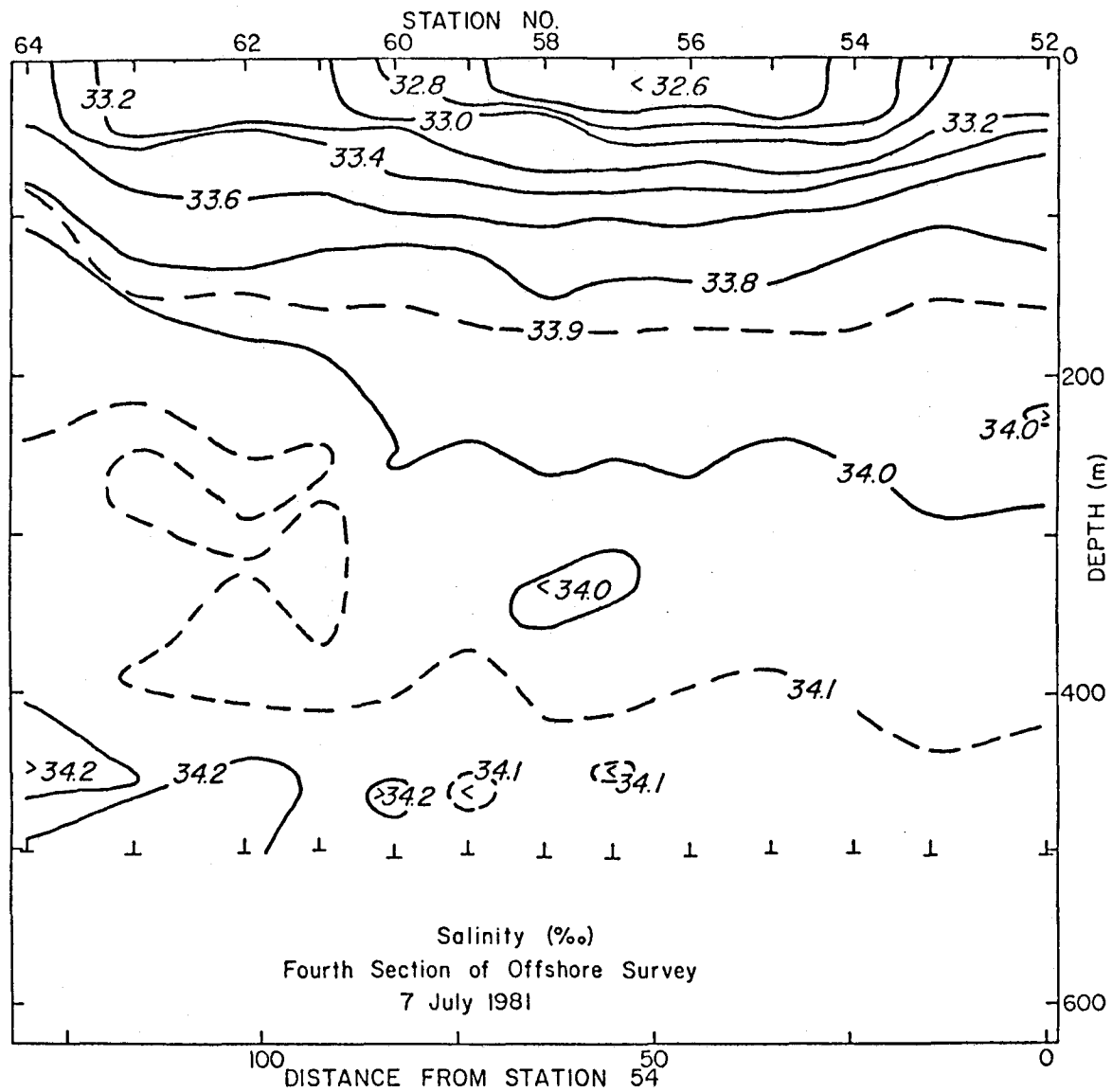


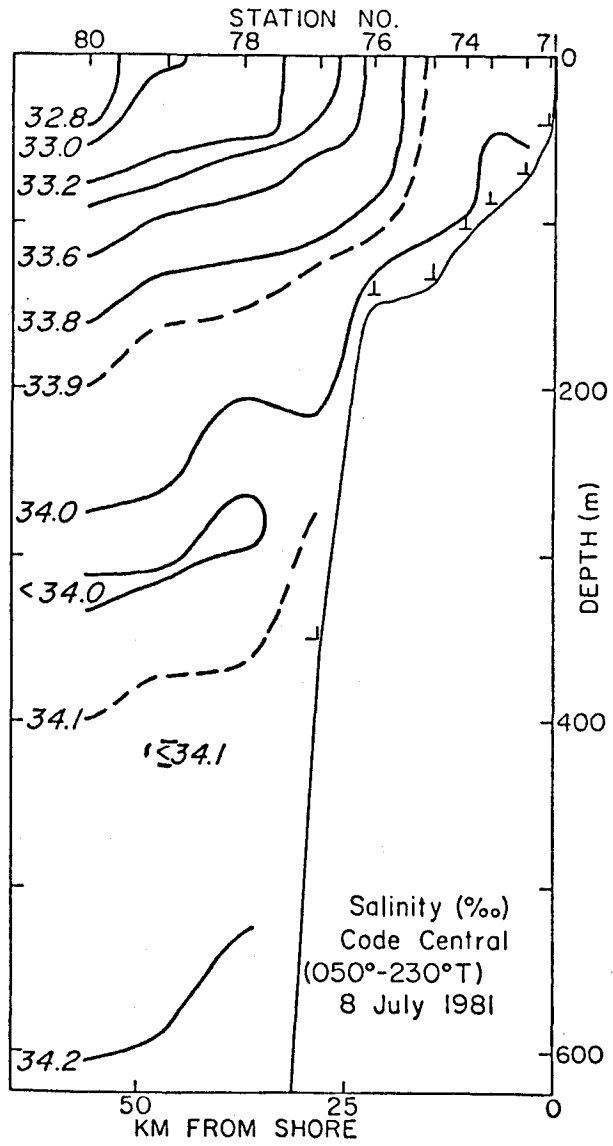


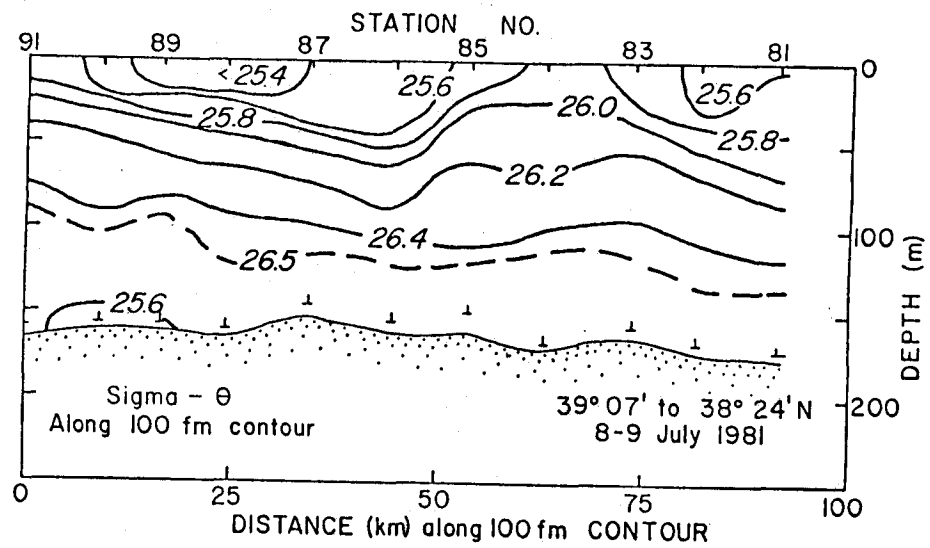


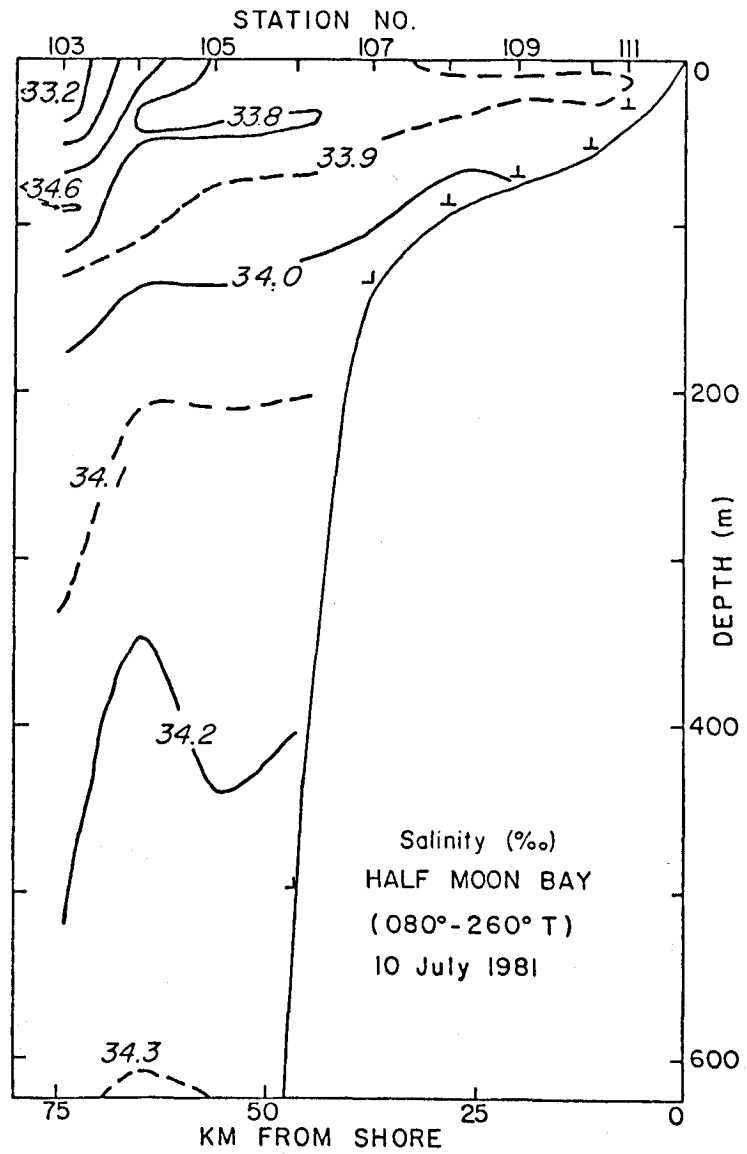
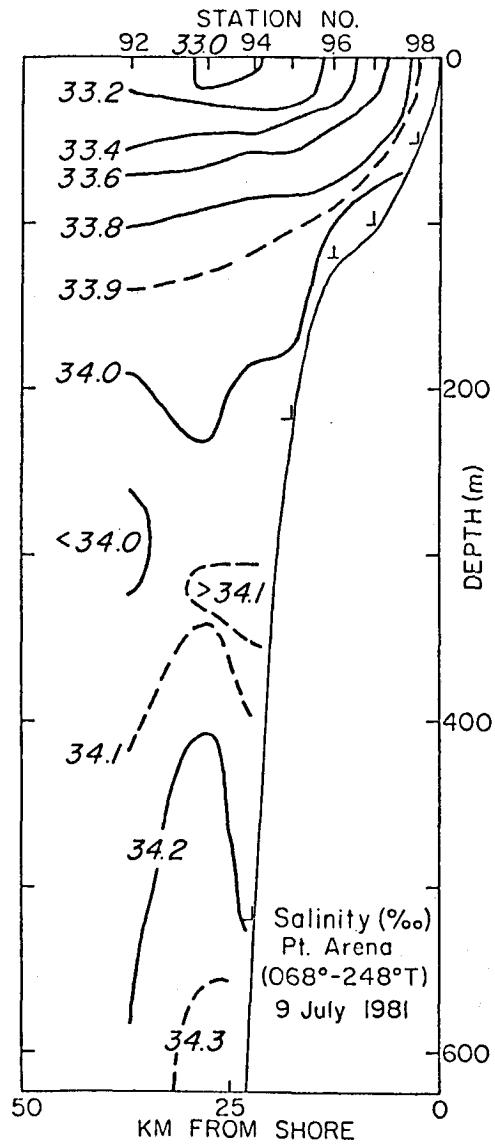


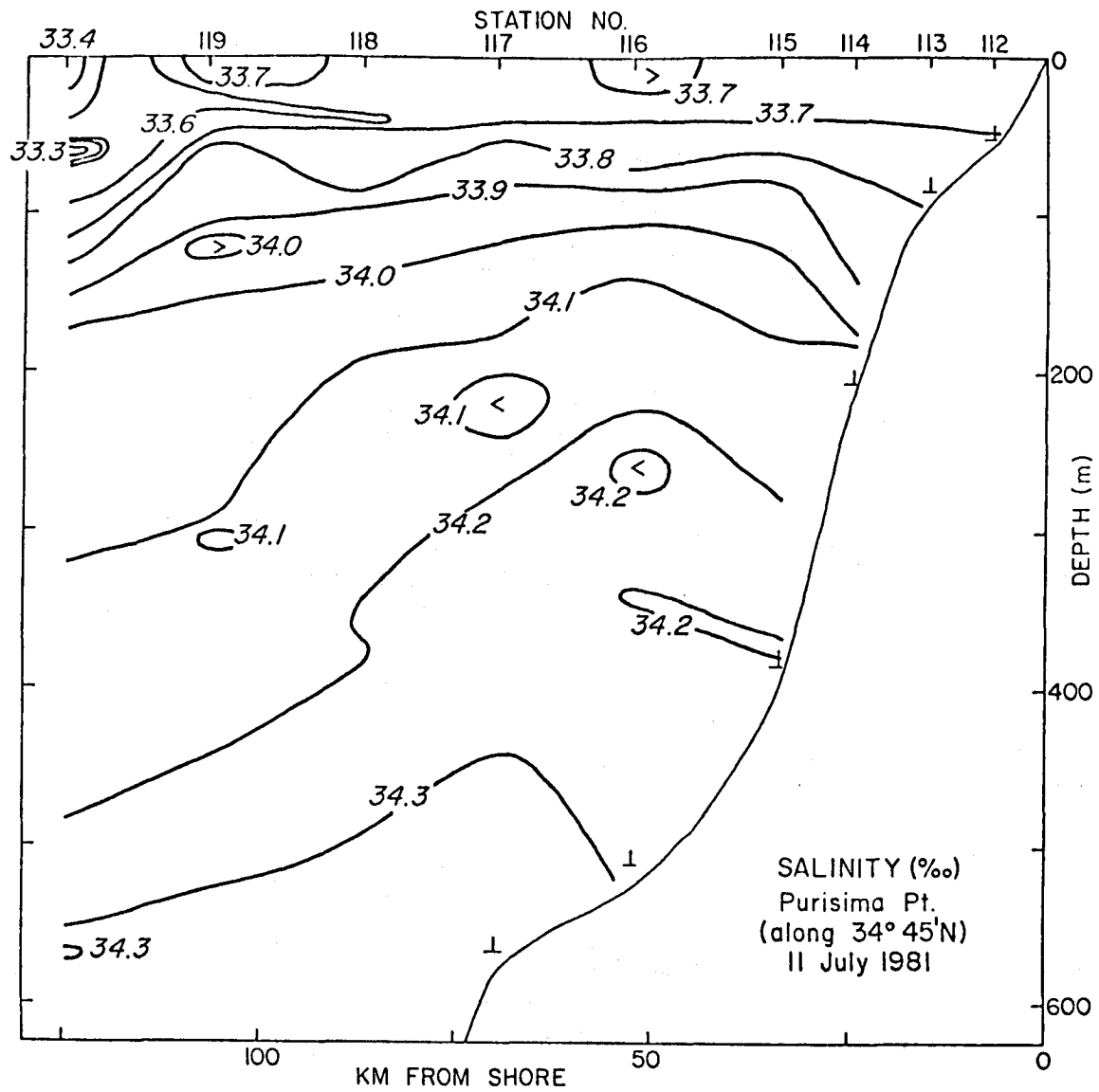


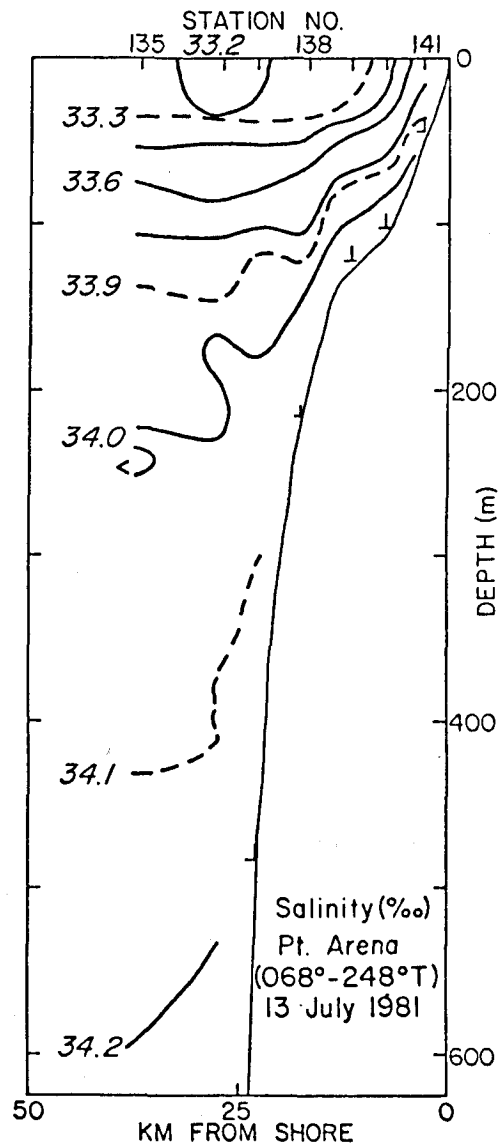
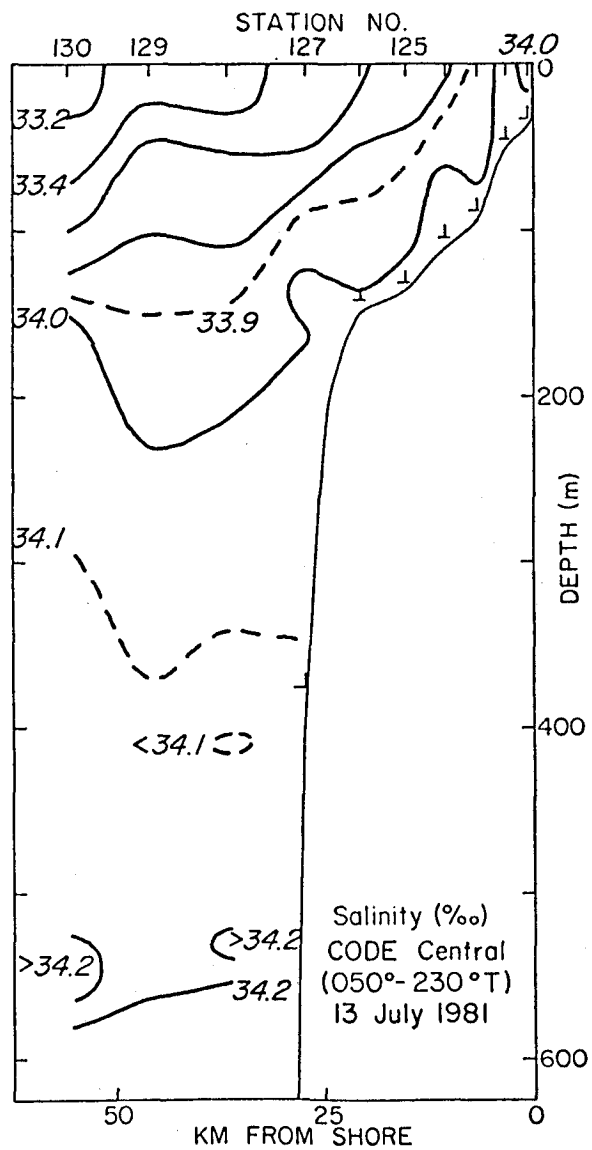


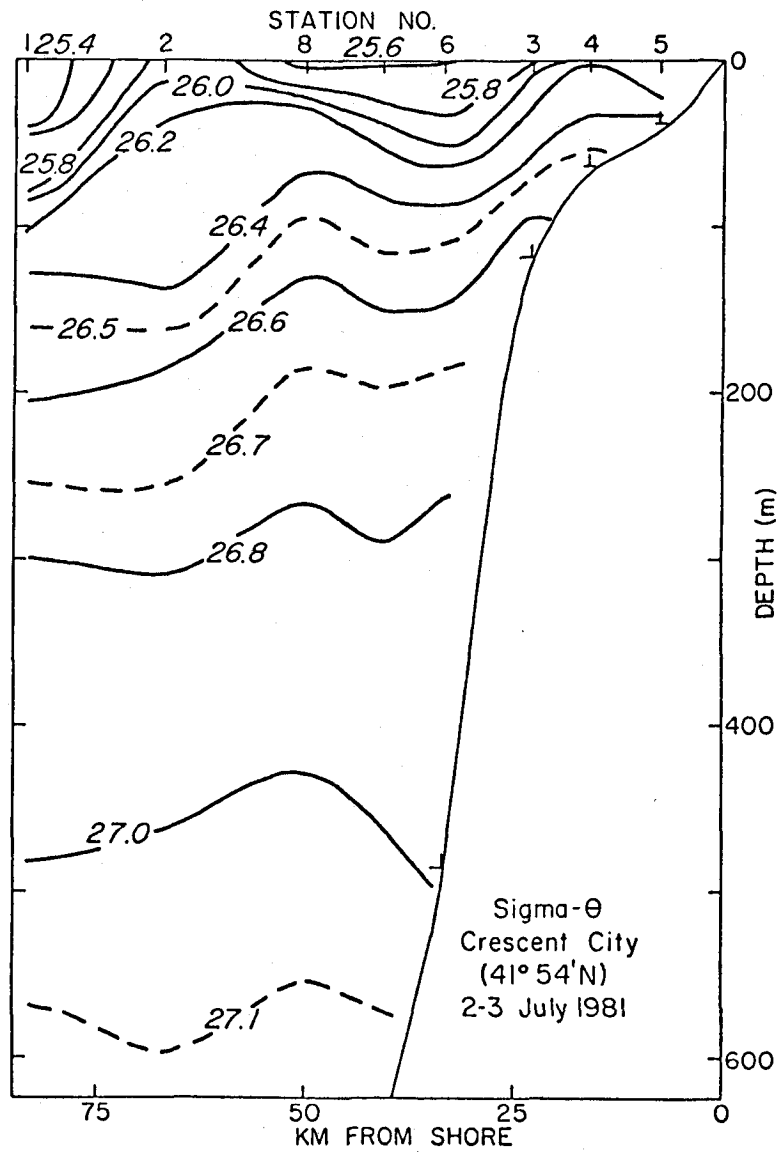


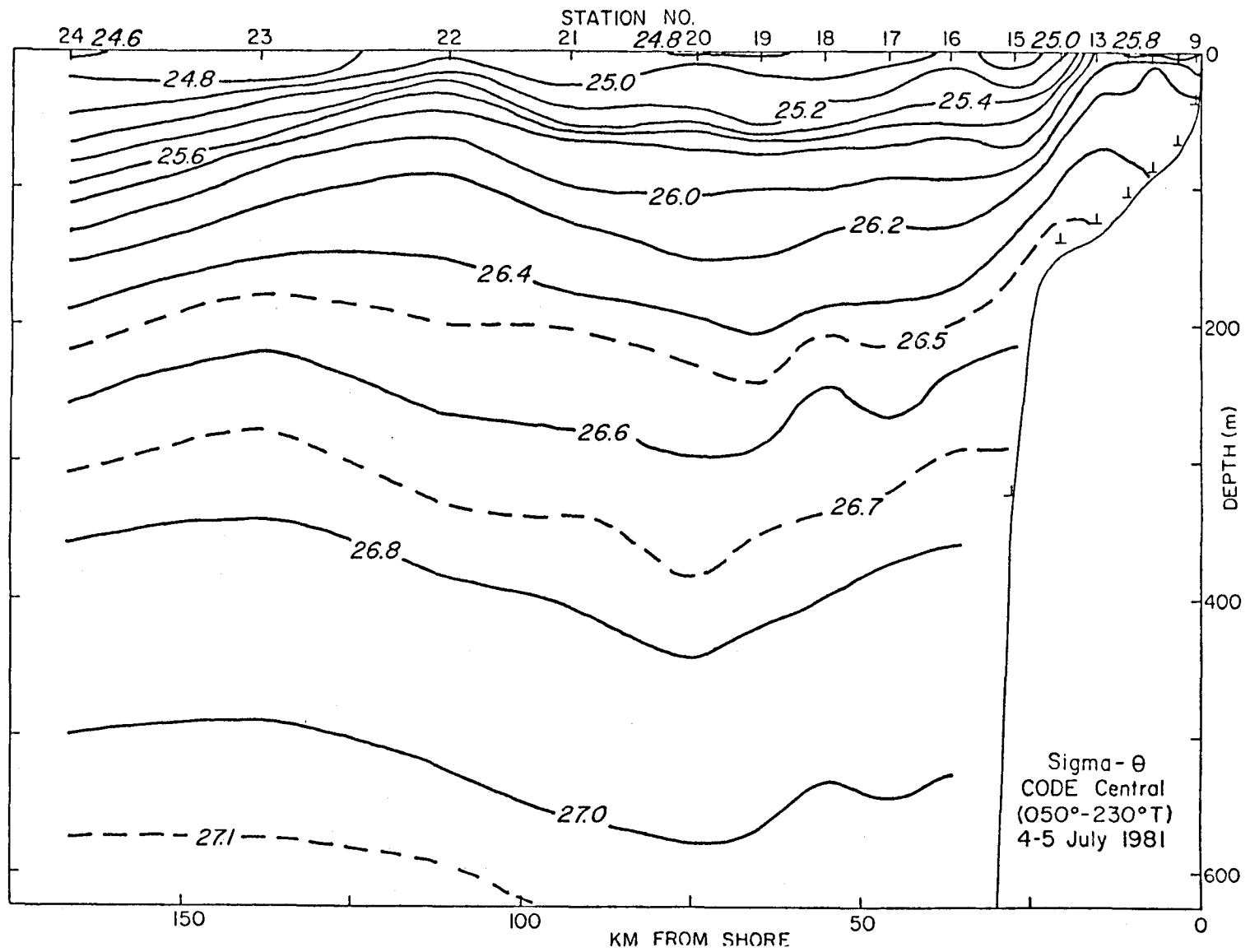


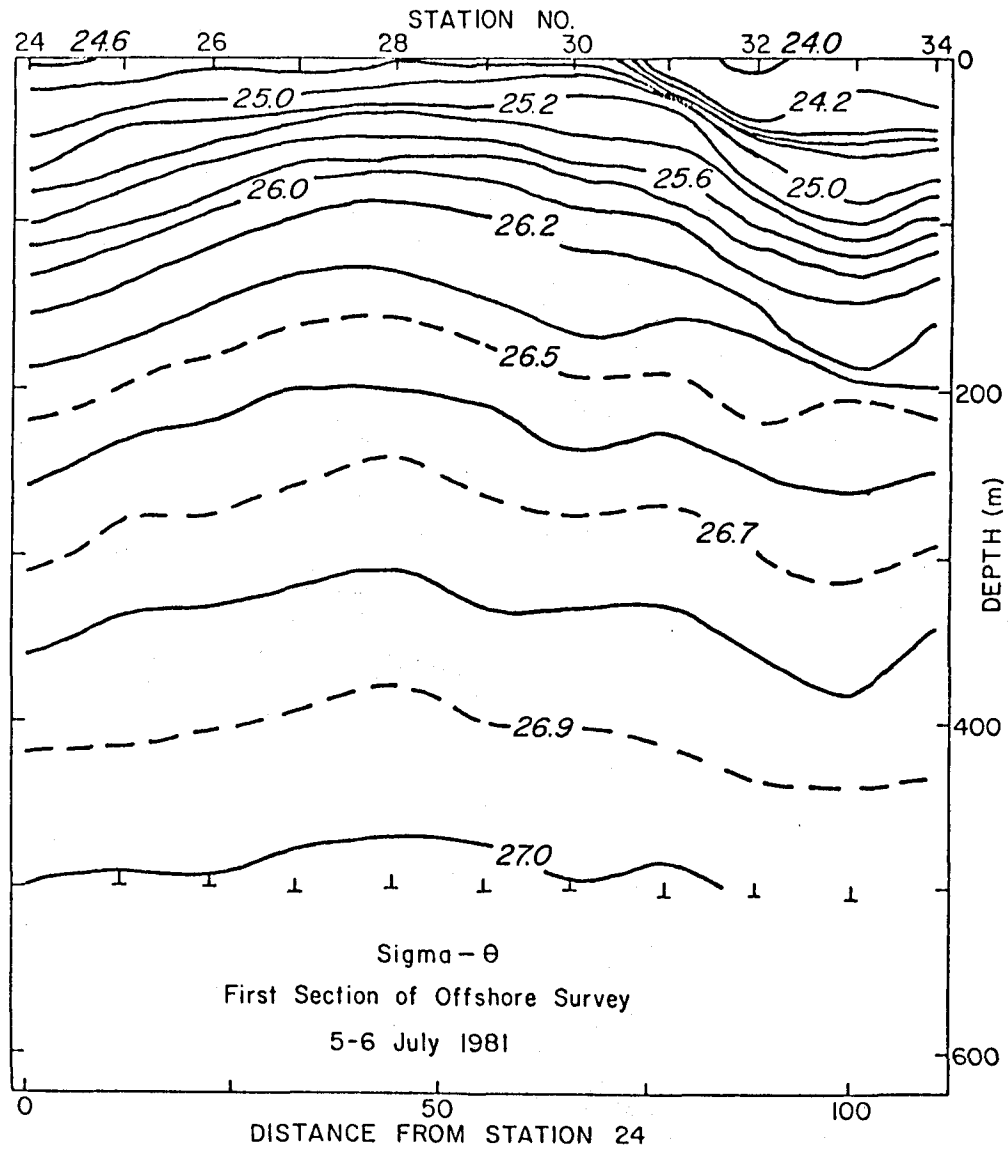


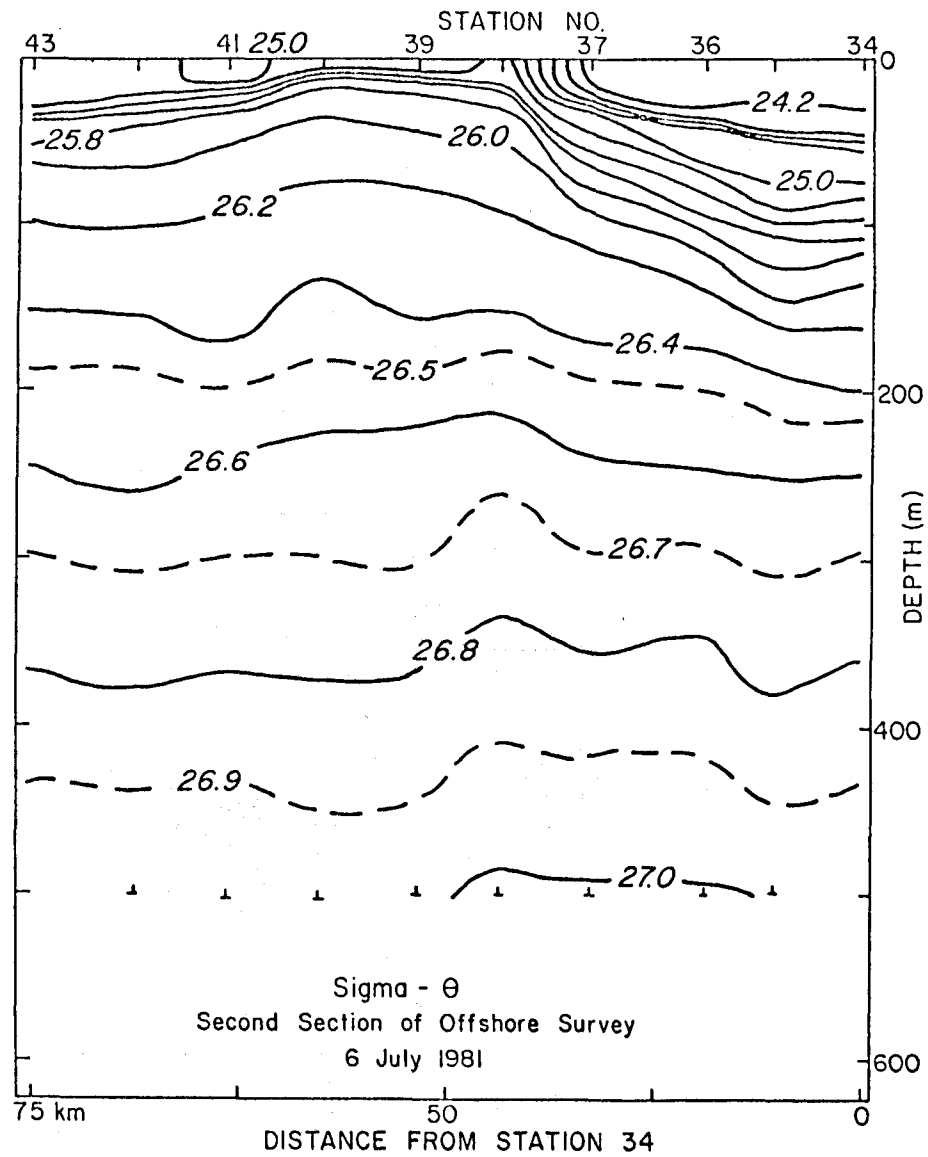


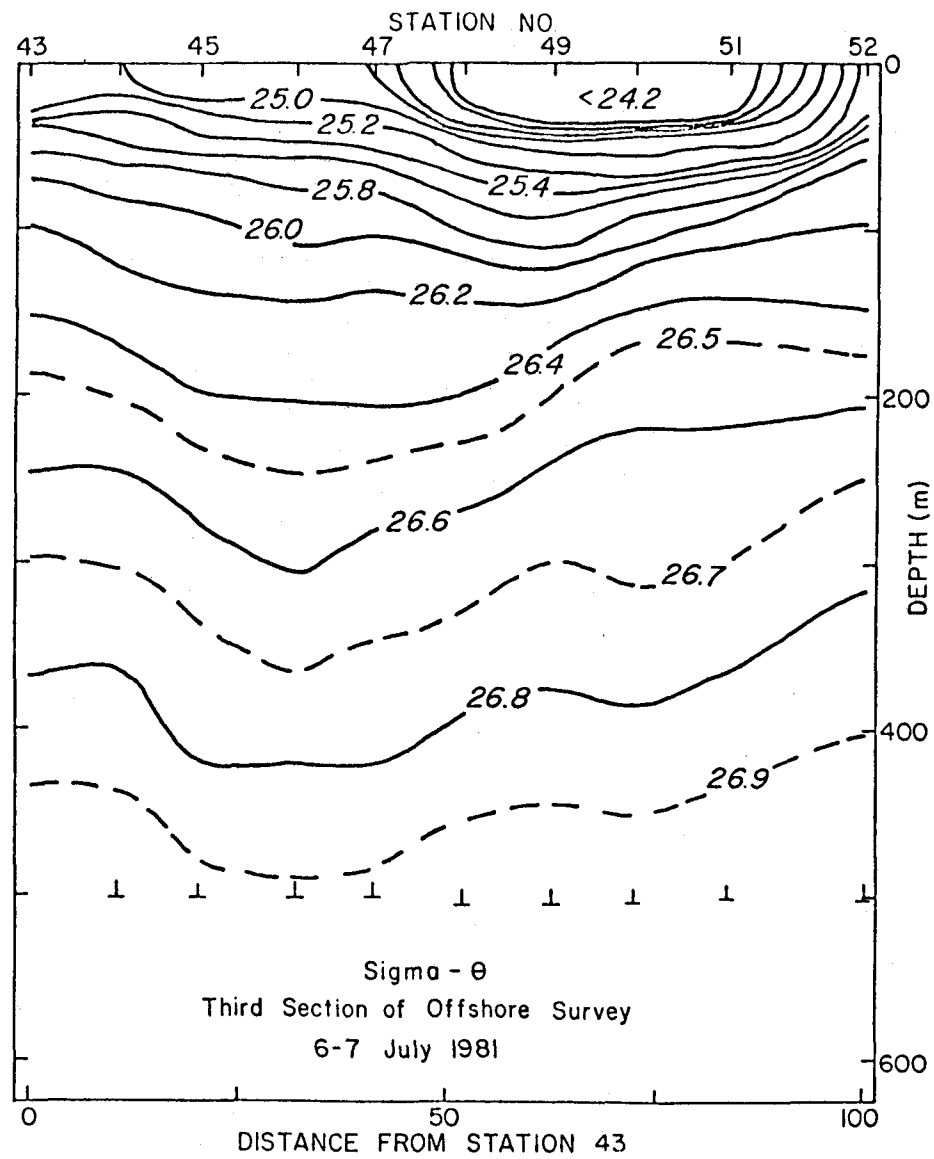


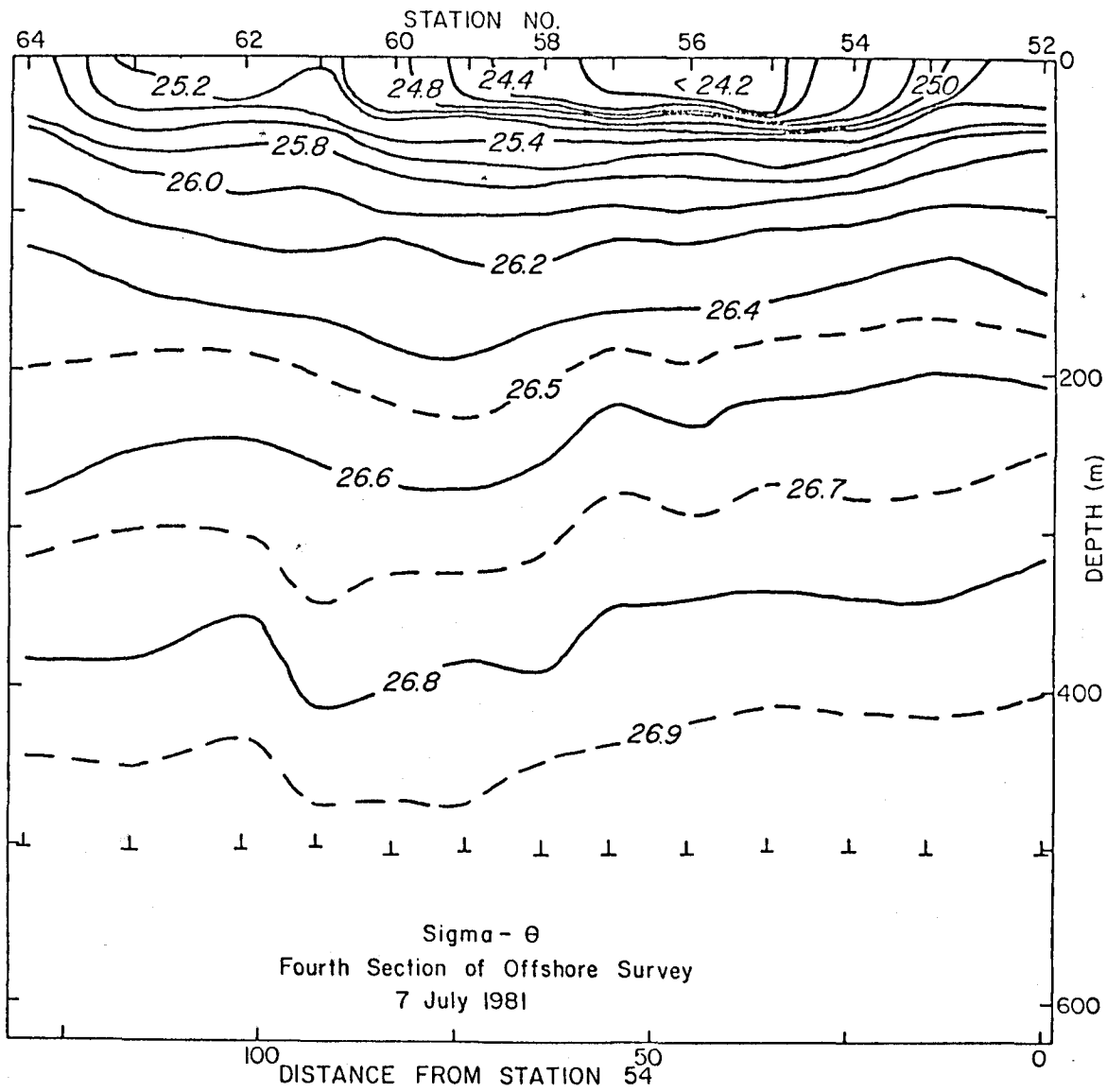


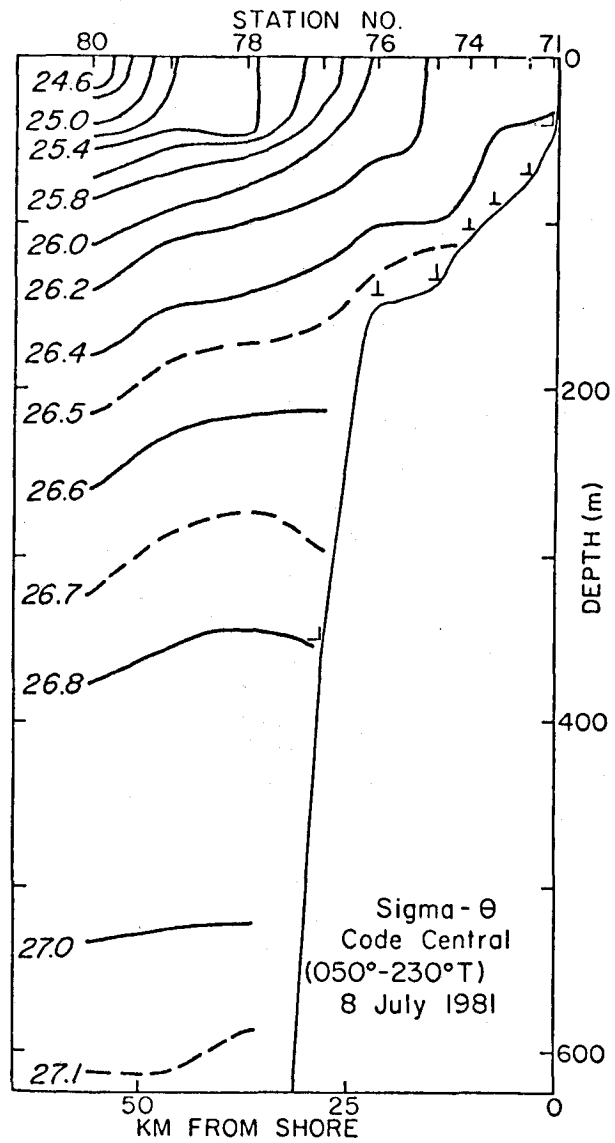


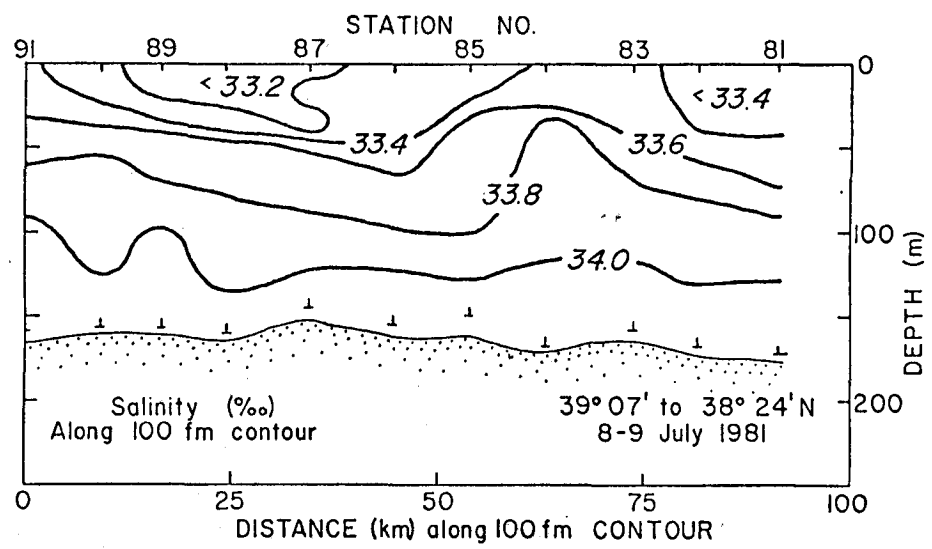


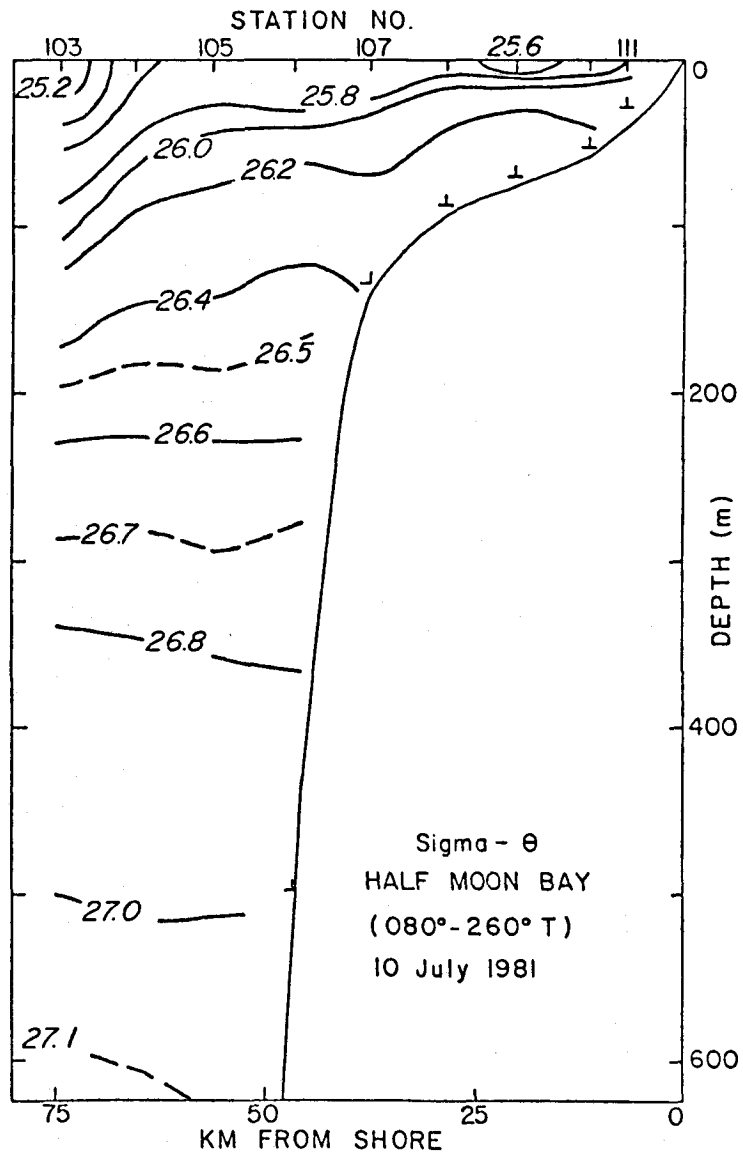
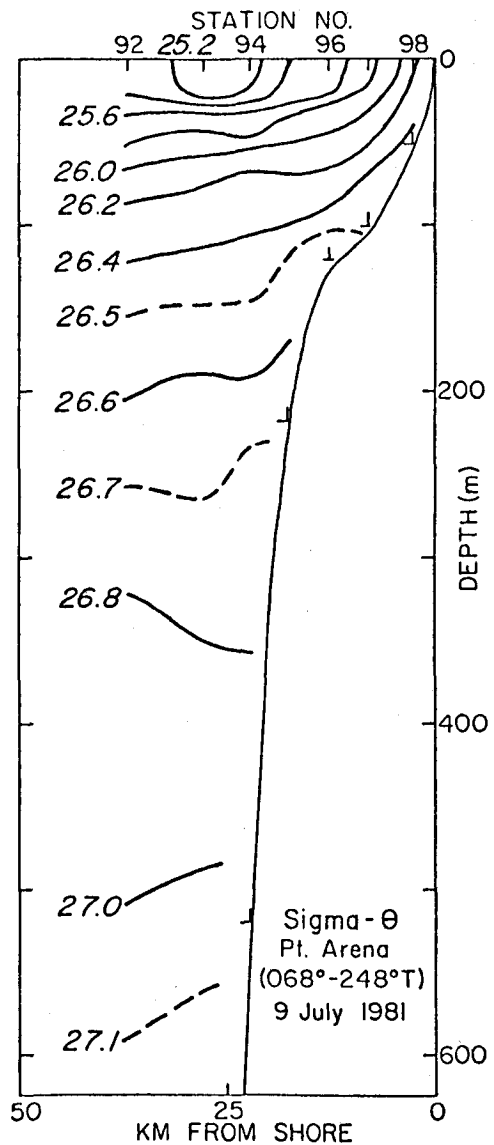


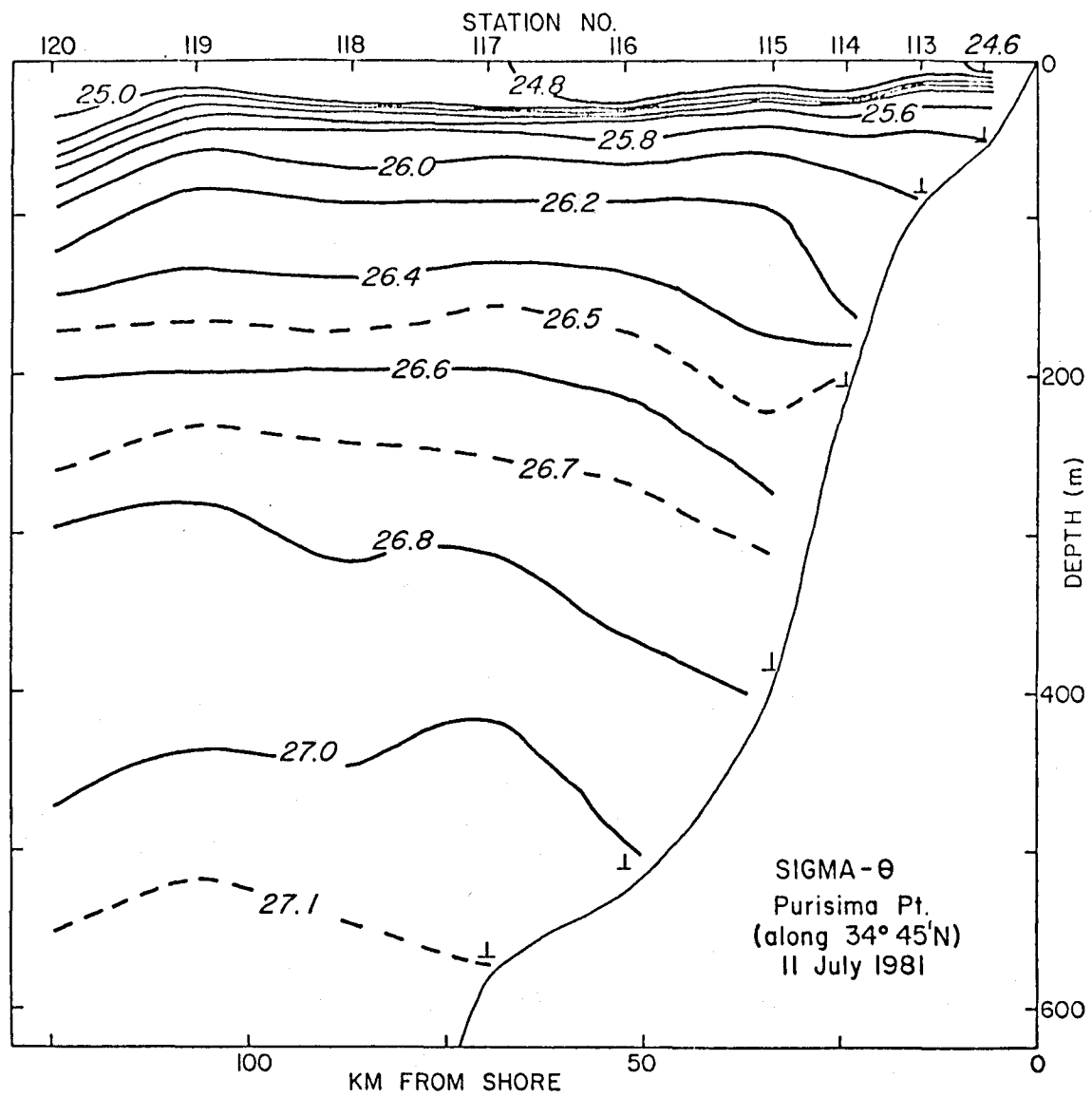


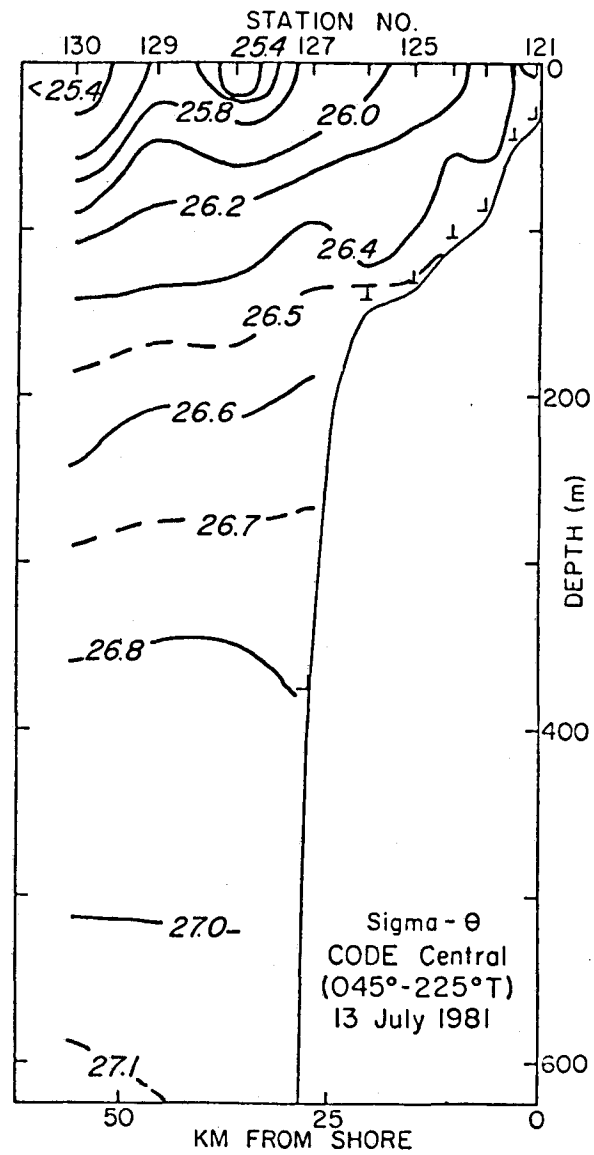
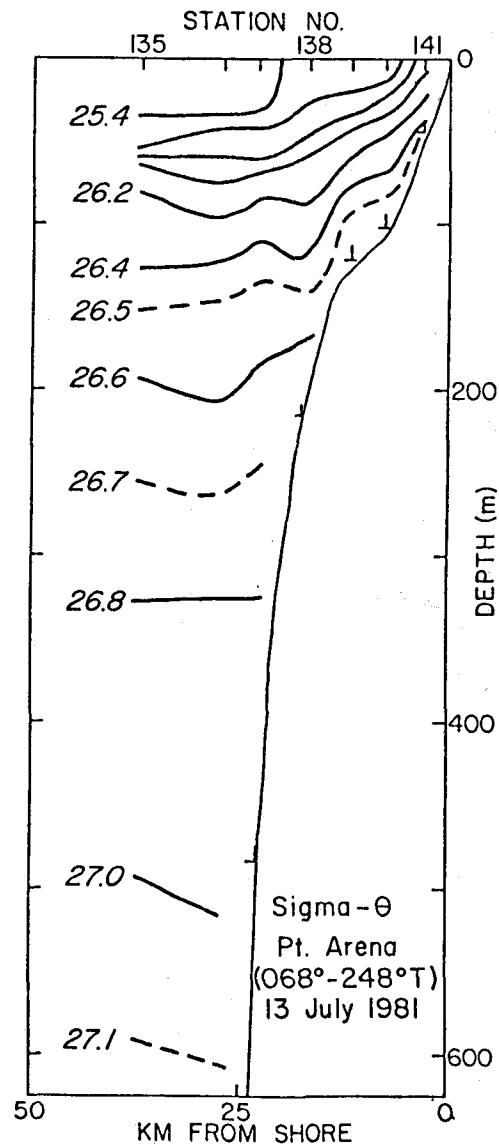




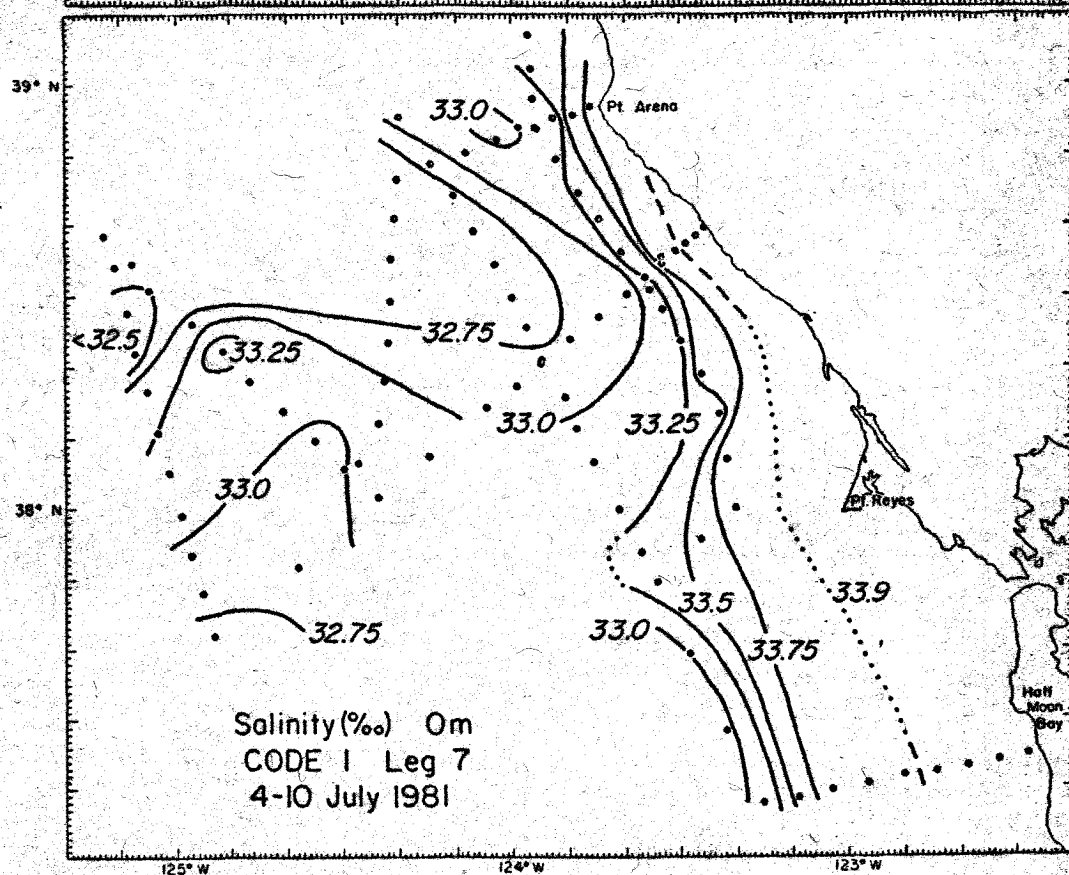
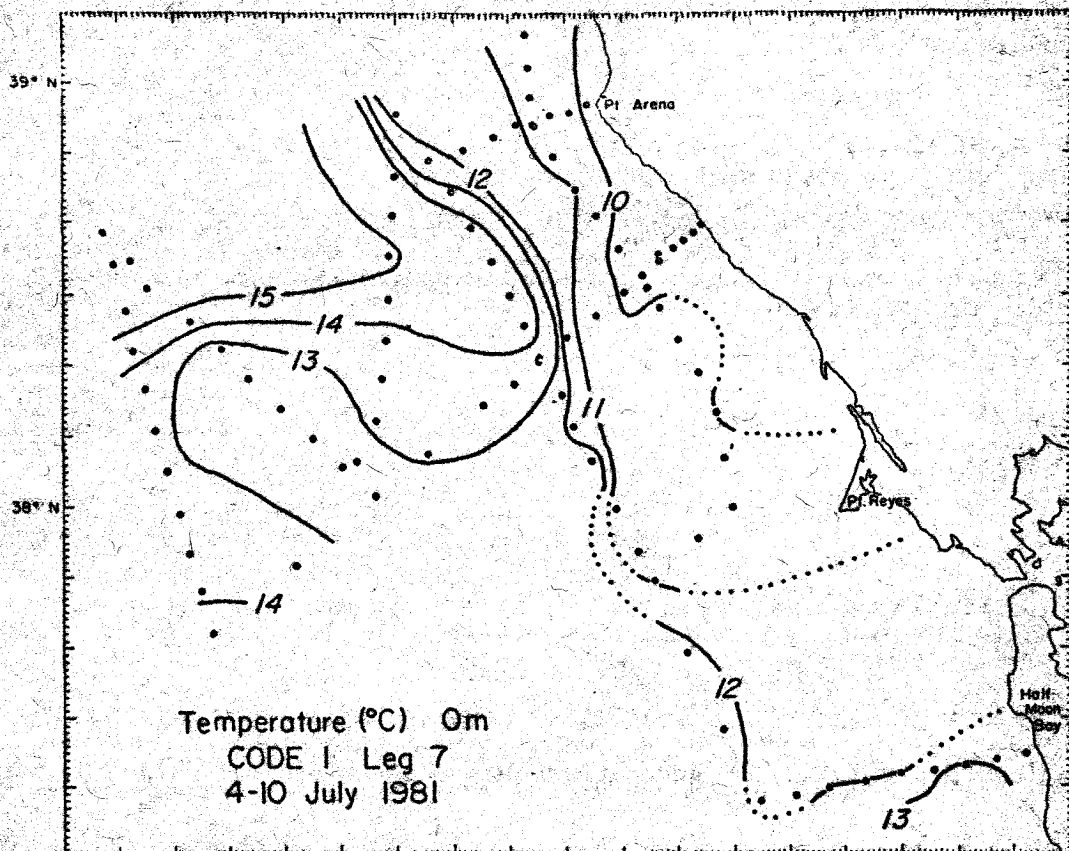


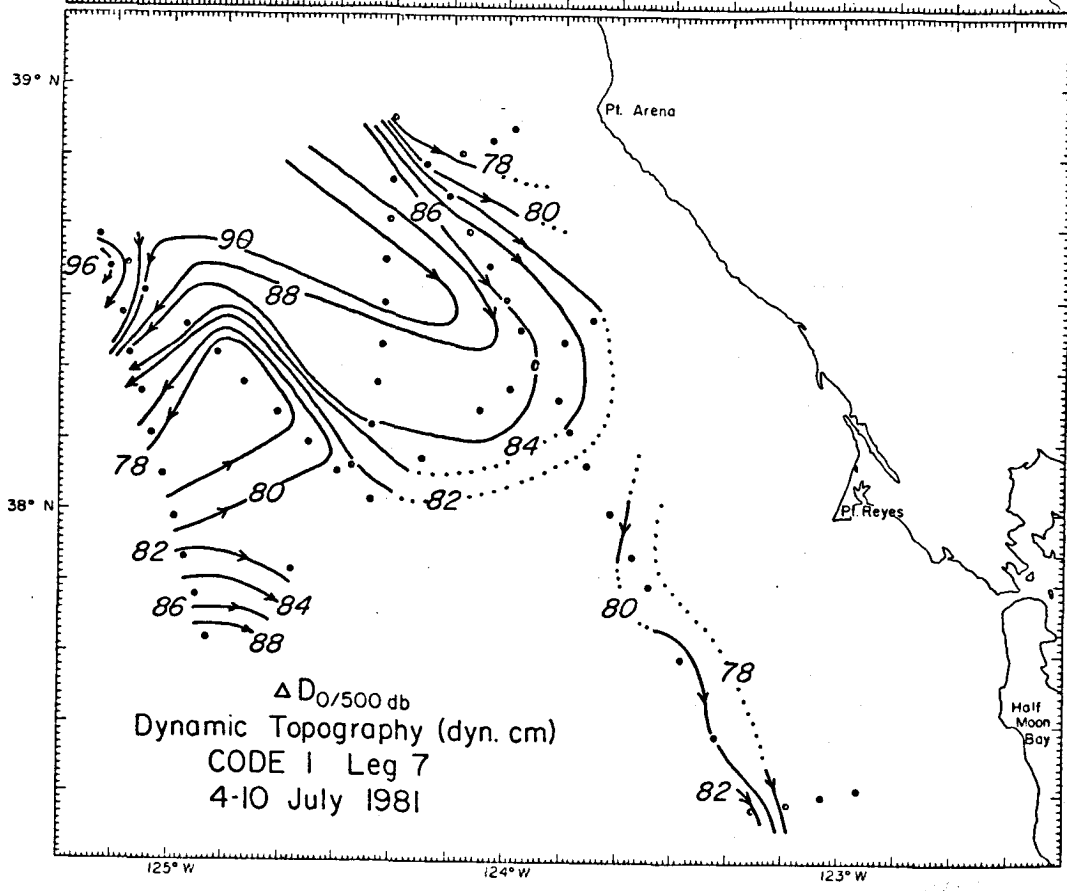
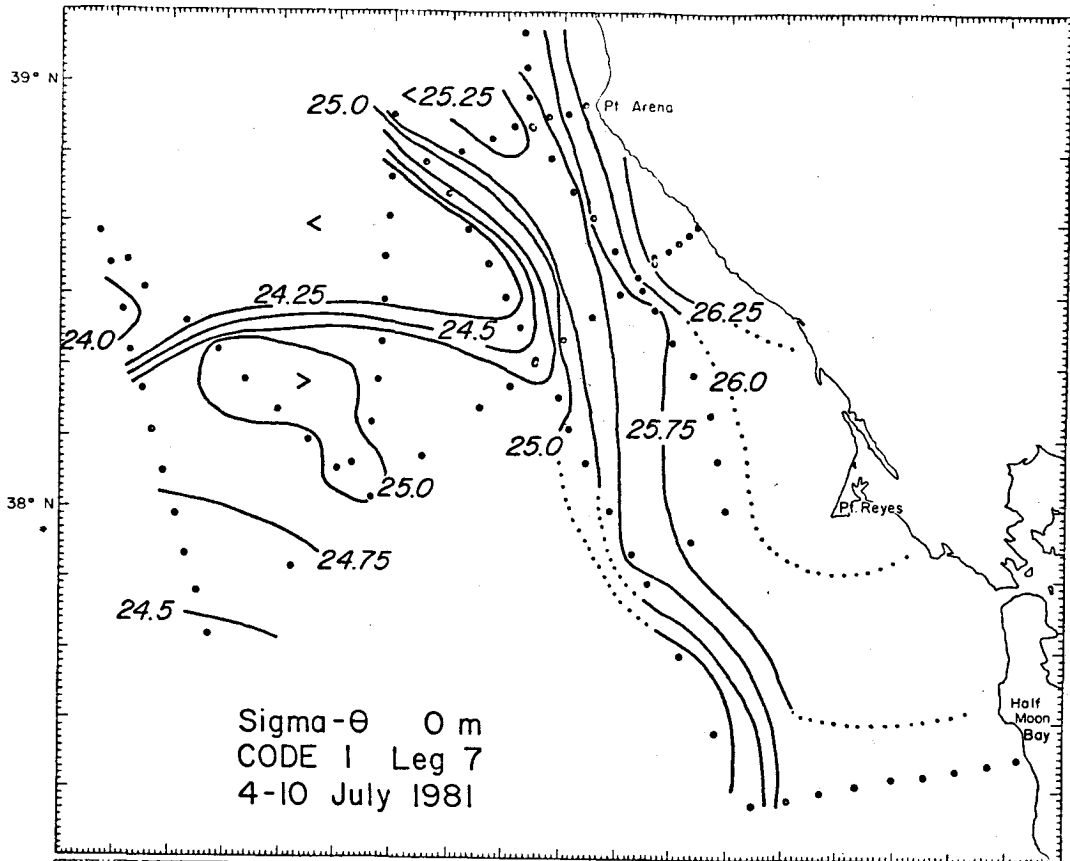


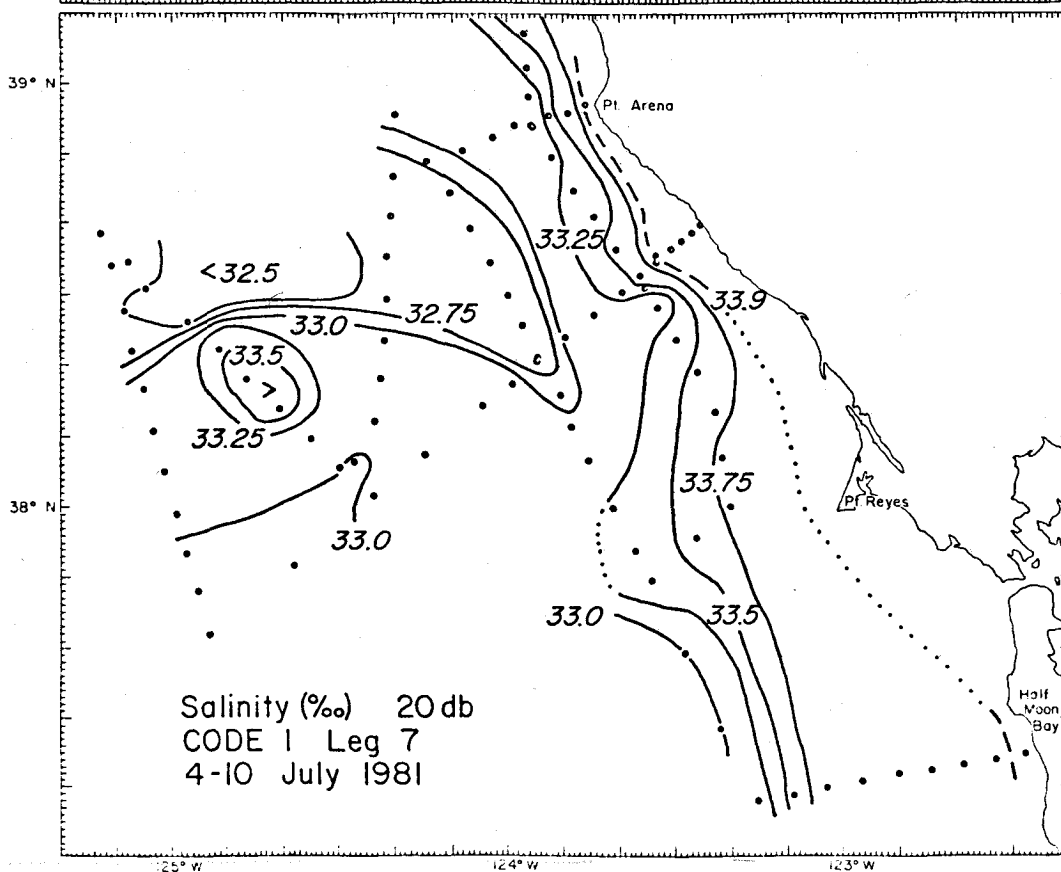
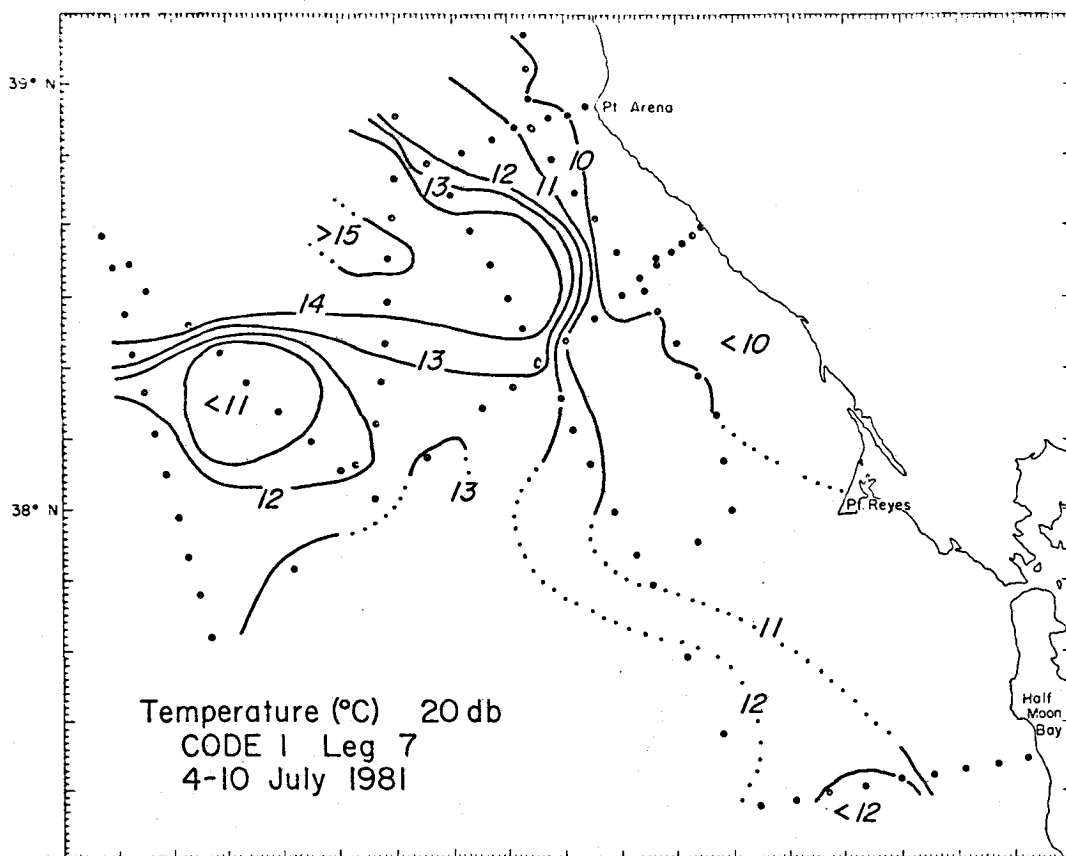




OFFSHORE SURVEY MAPS



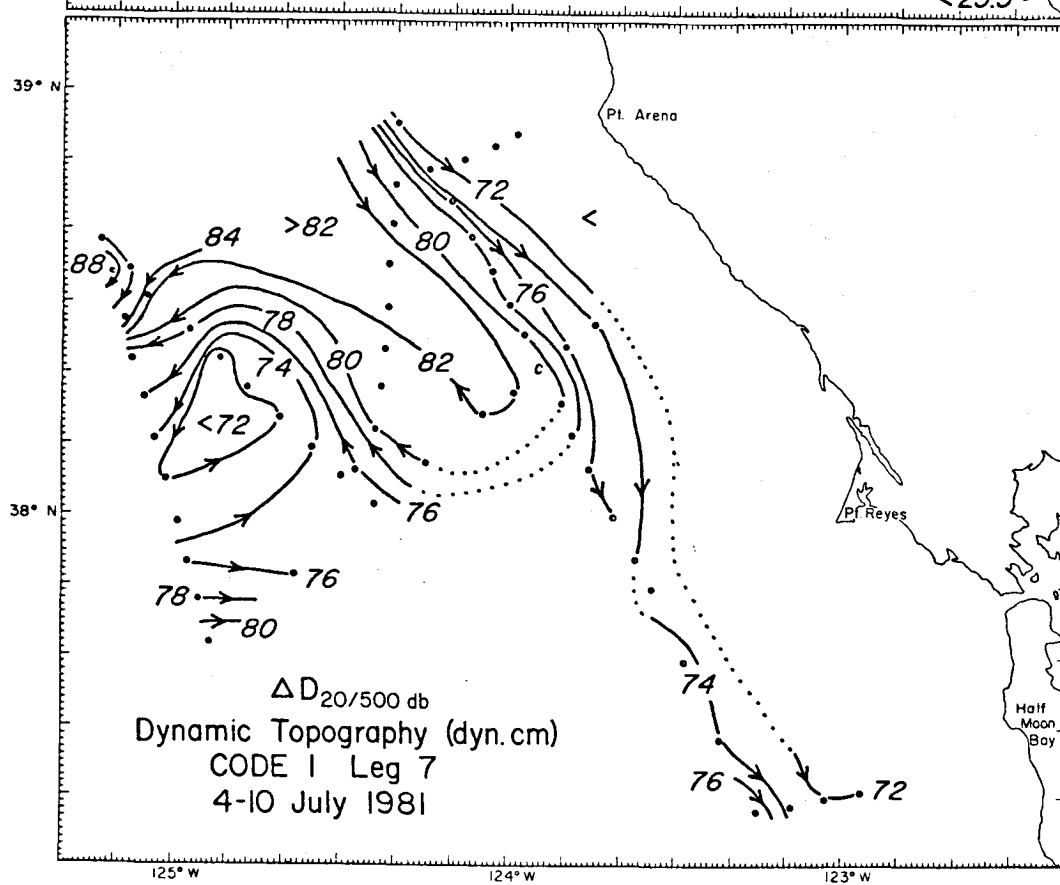
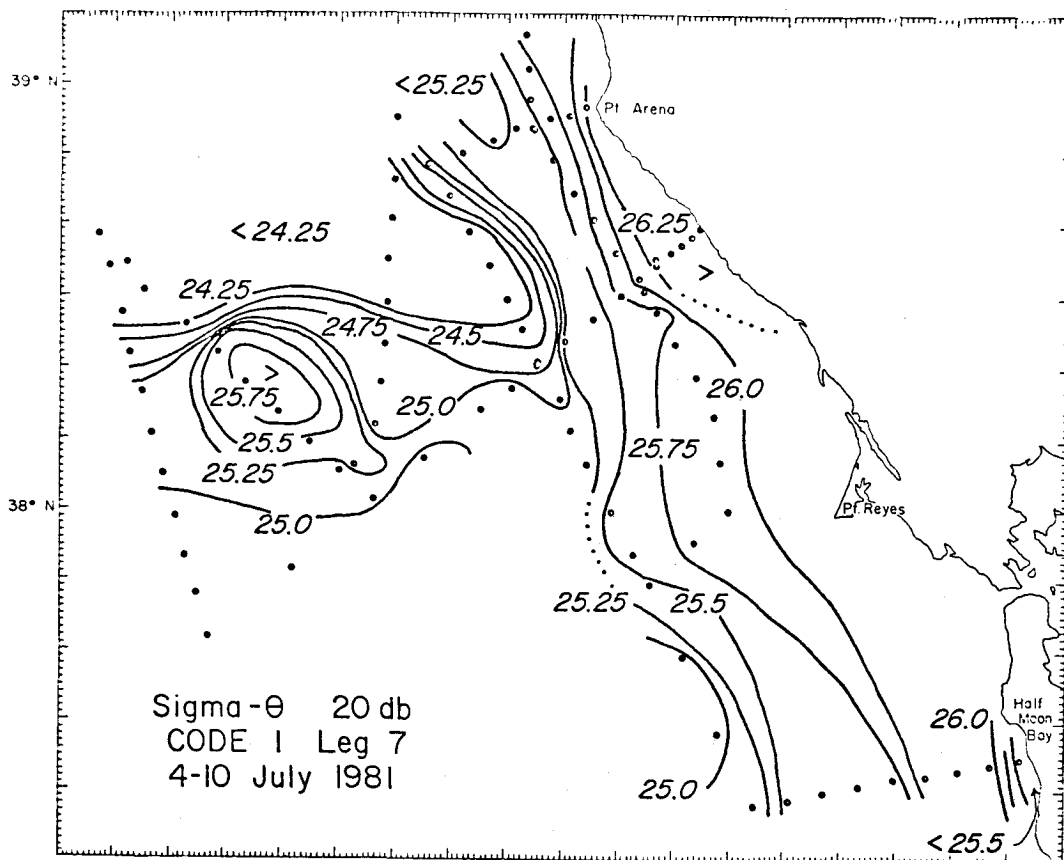


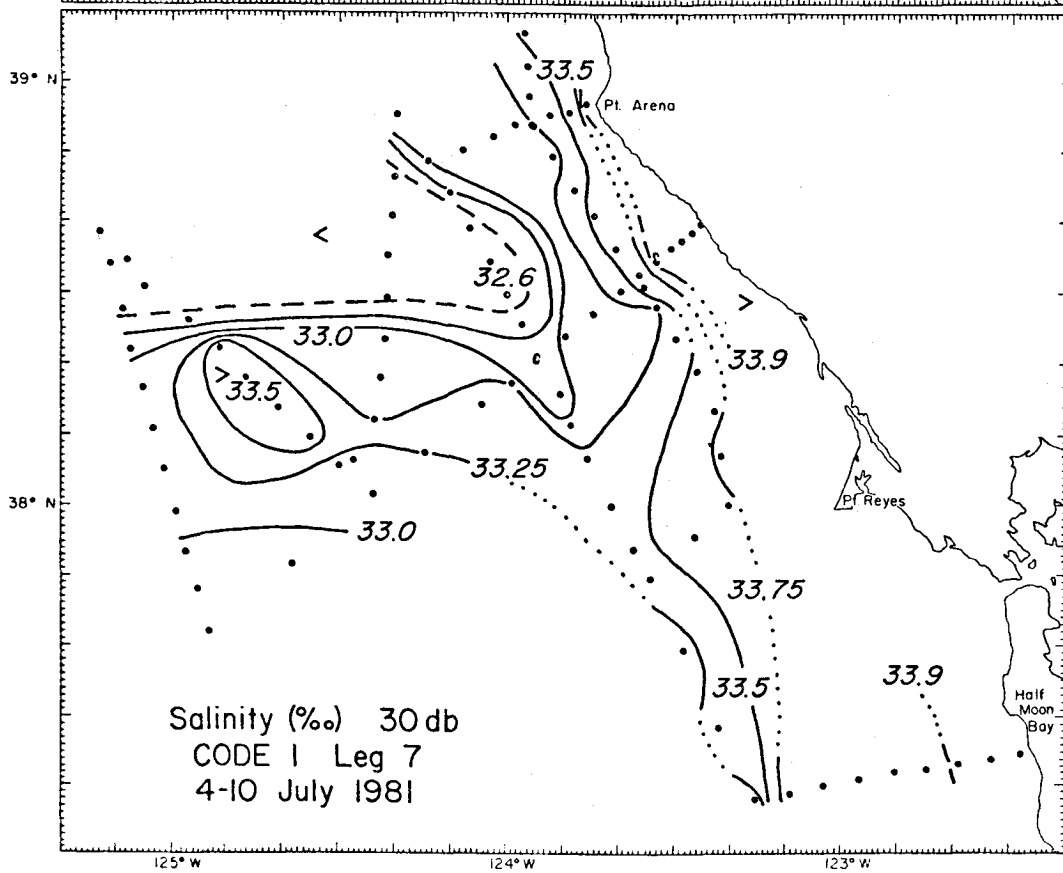
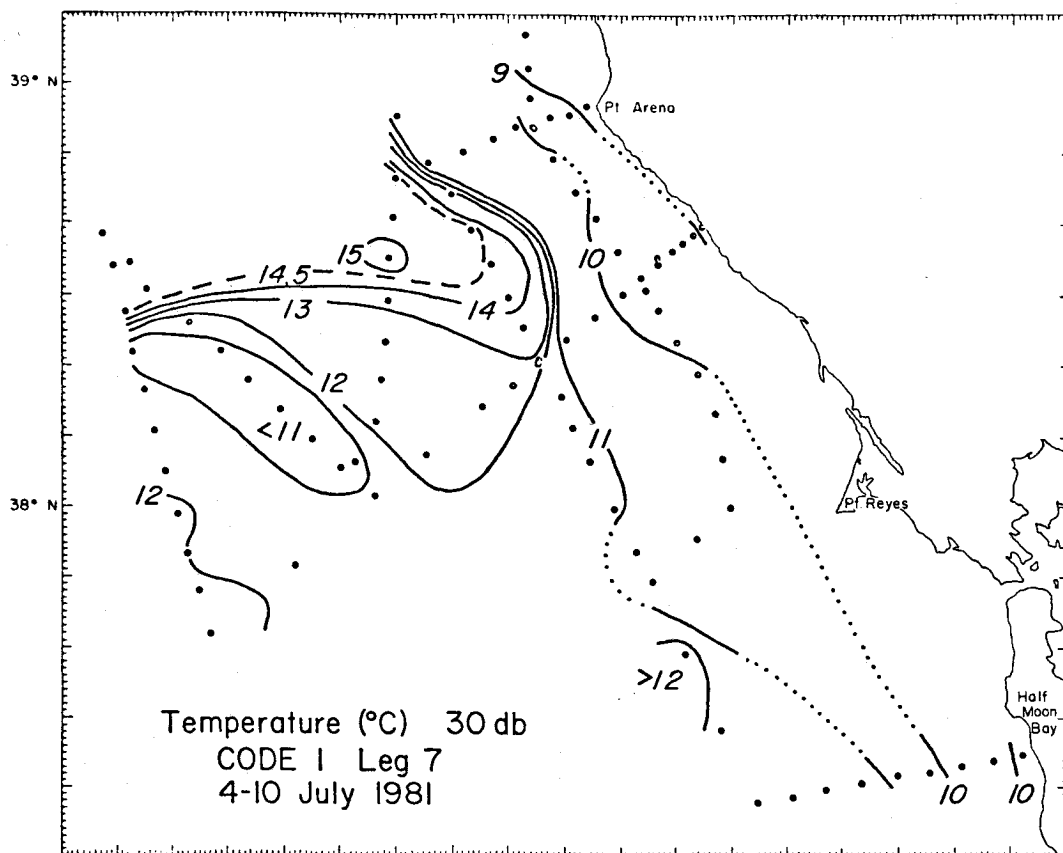


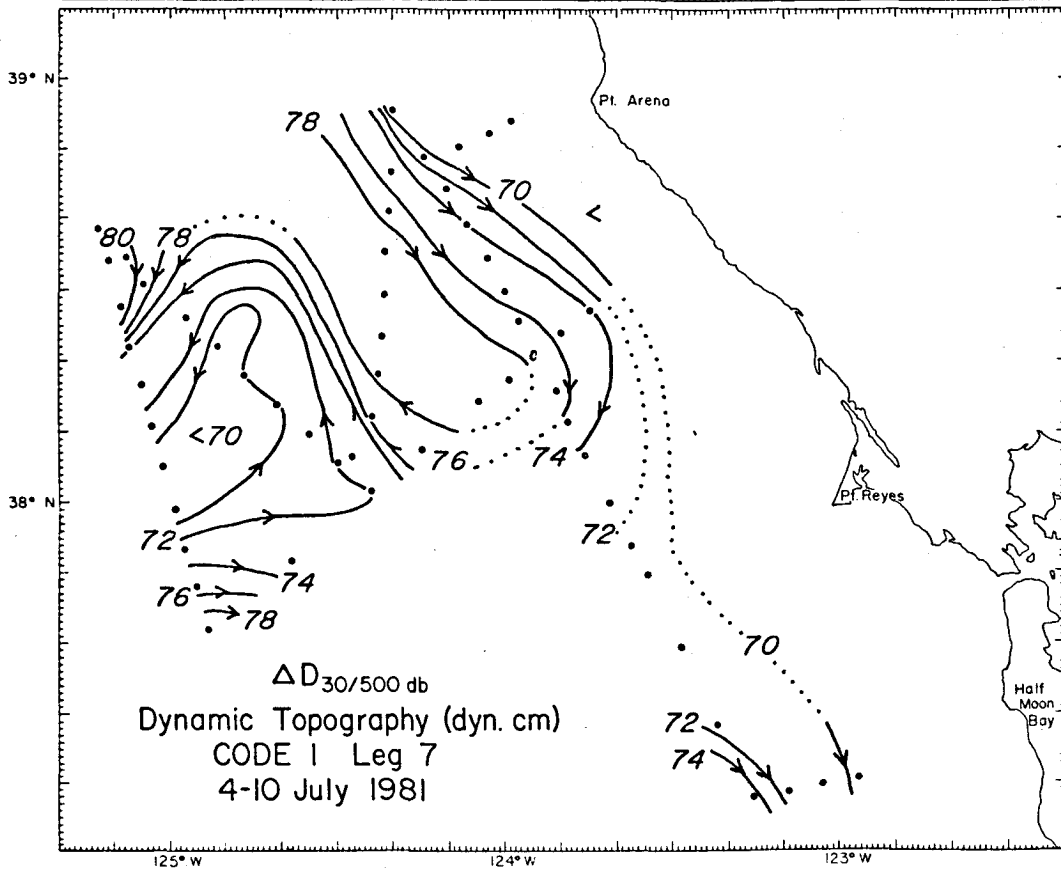
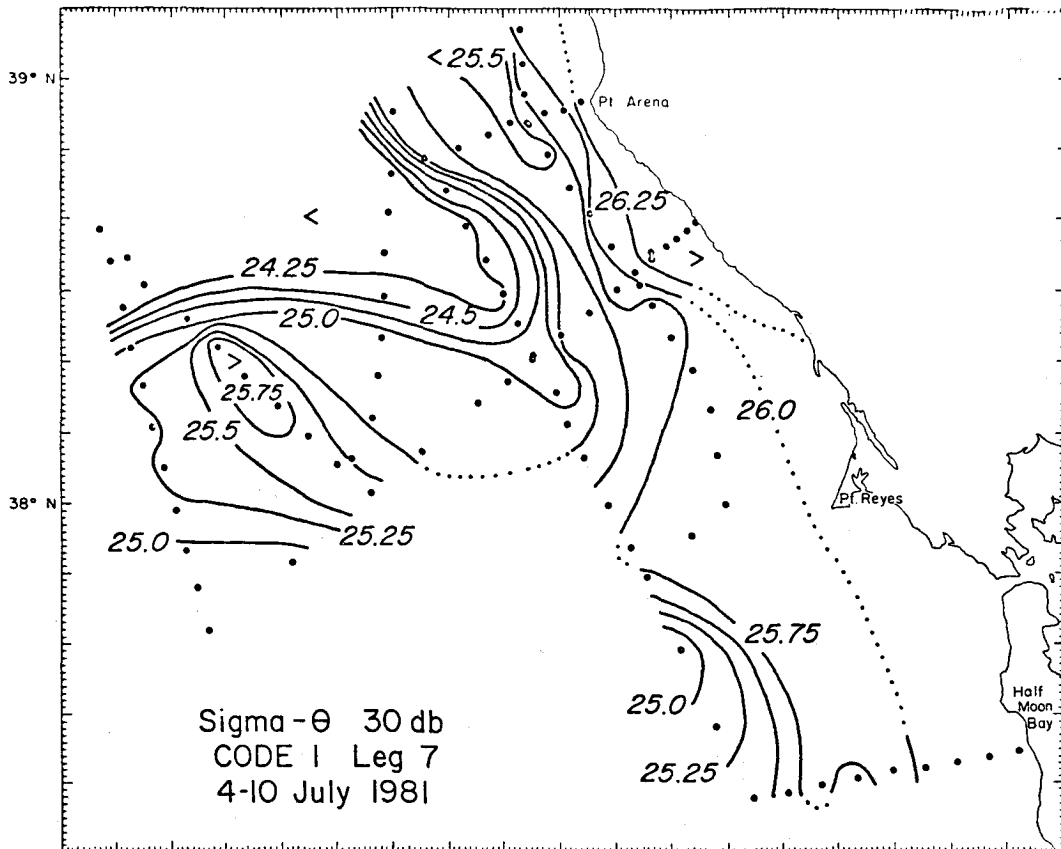
125° W

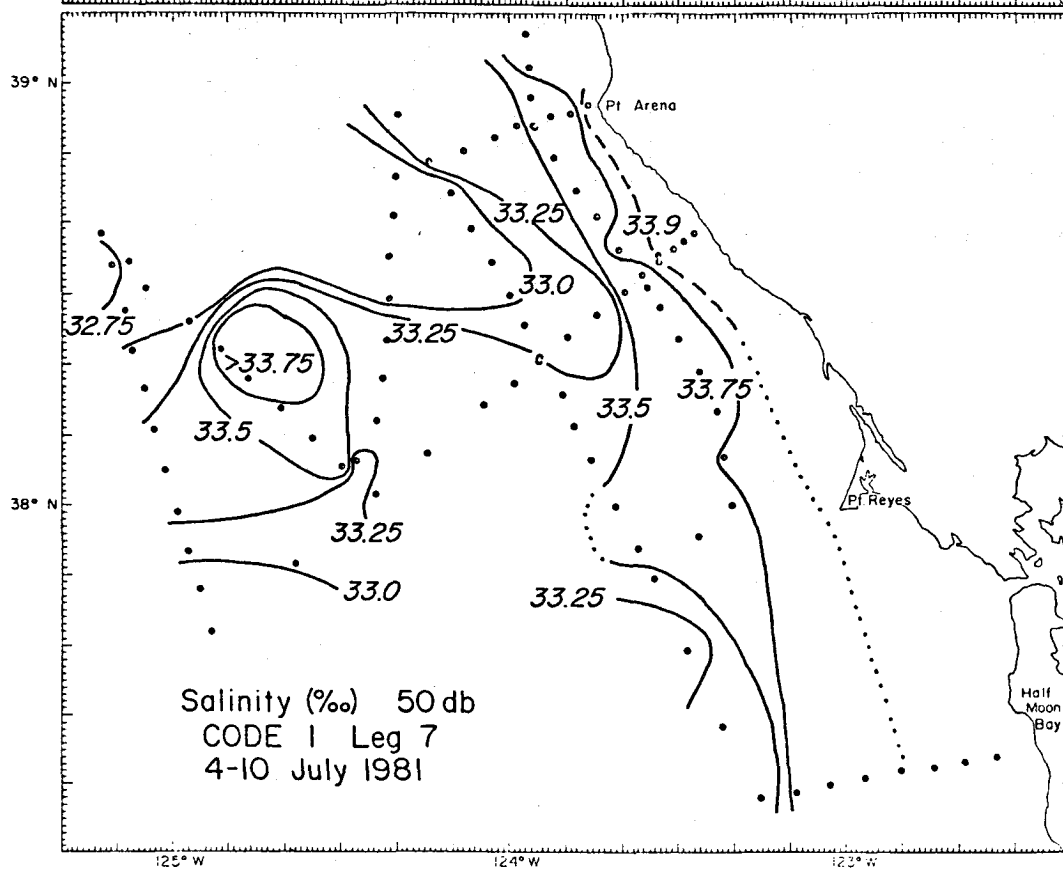
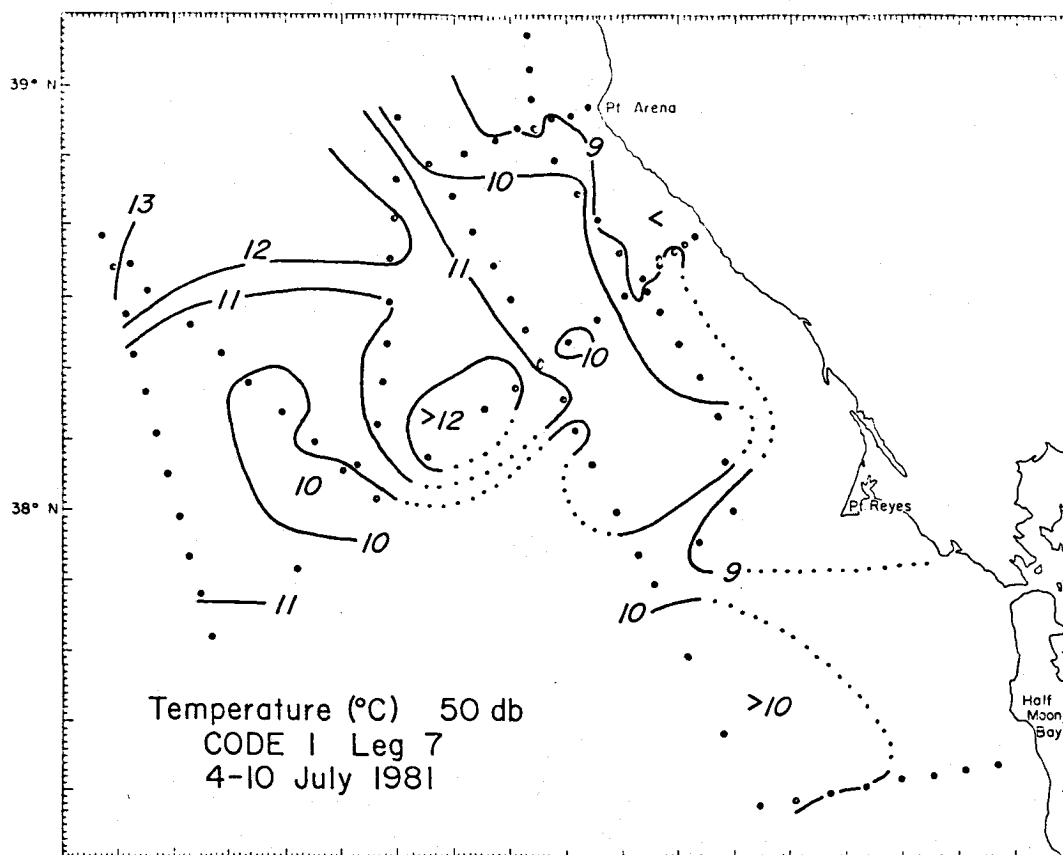
124° W

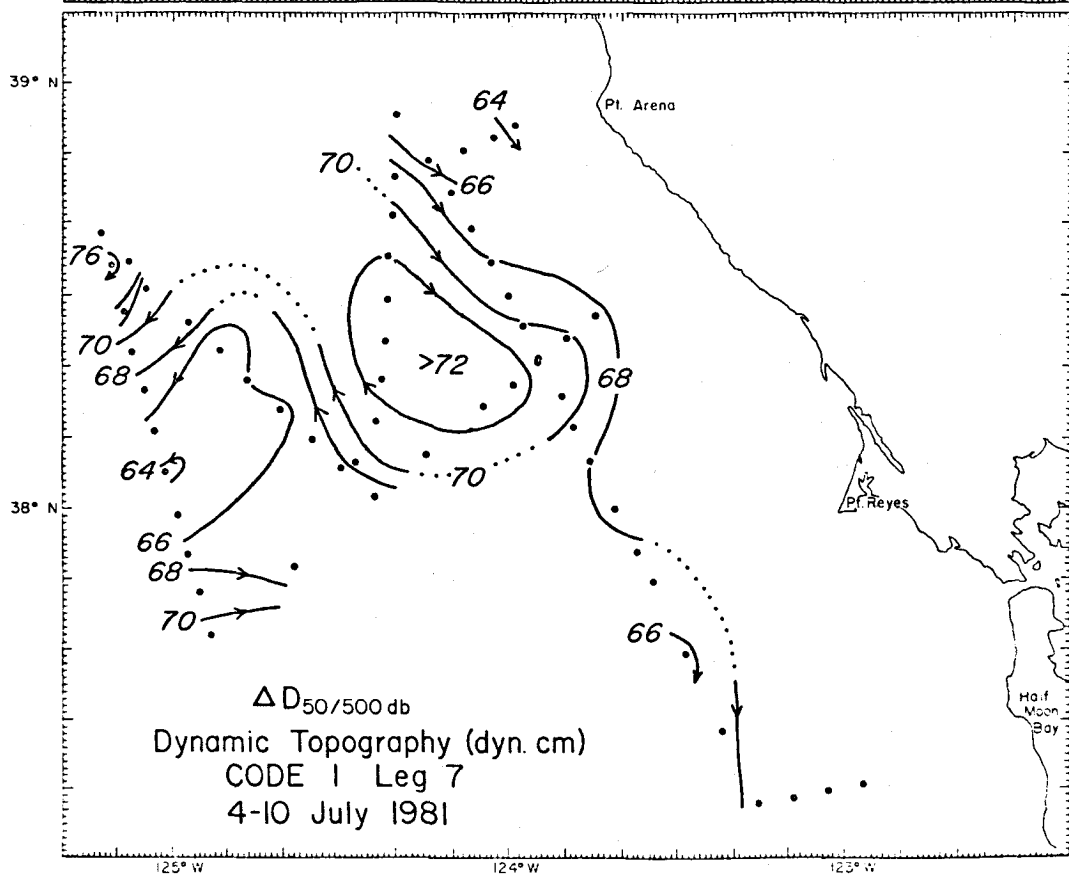
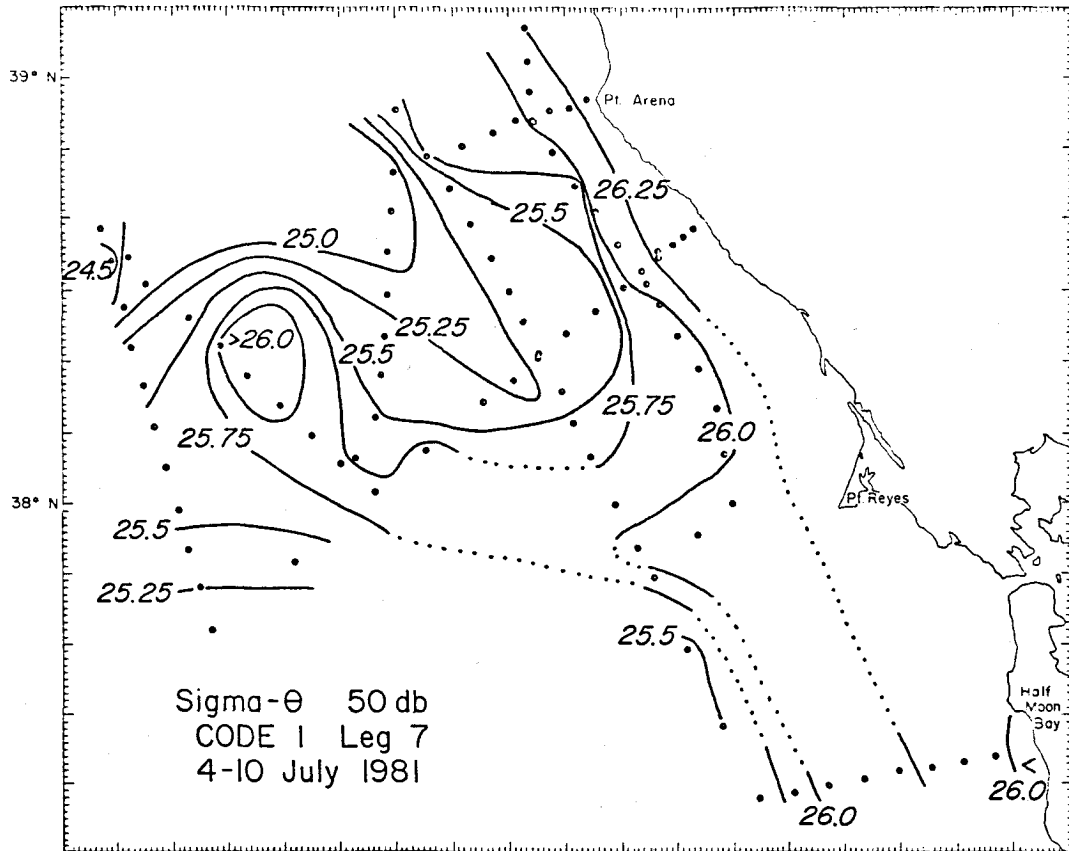
123° W

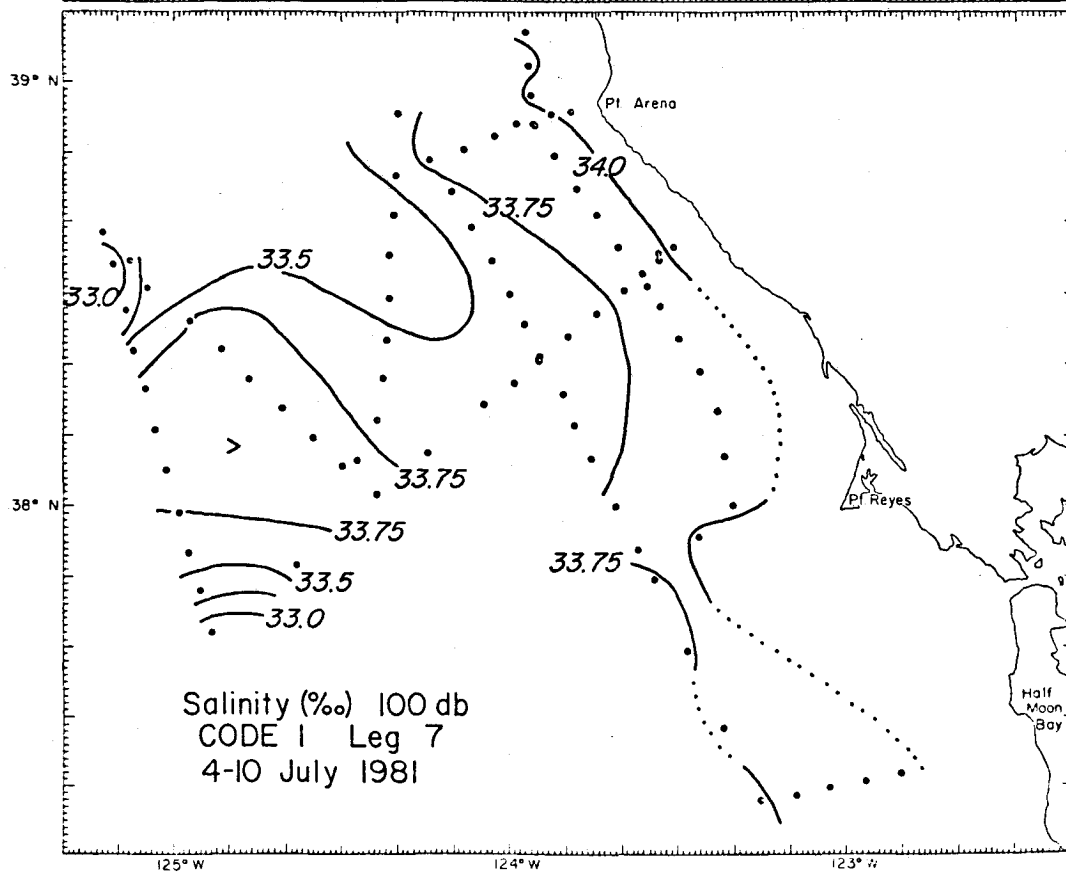
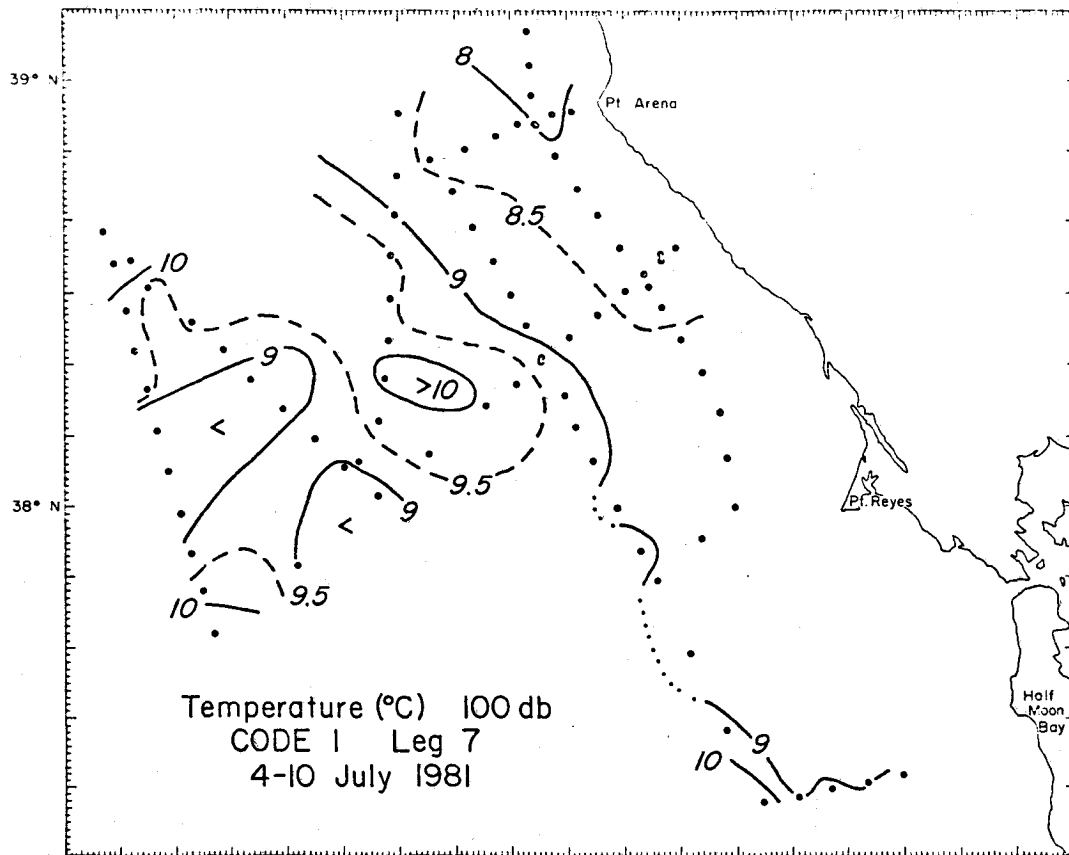


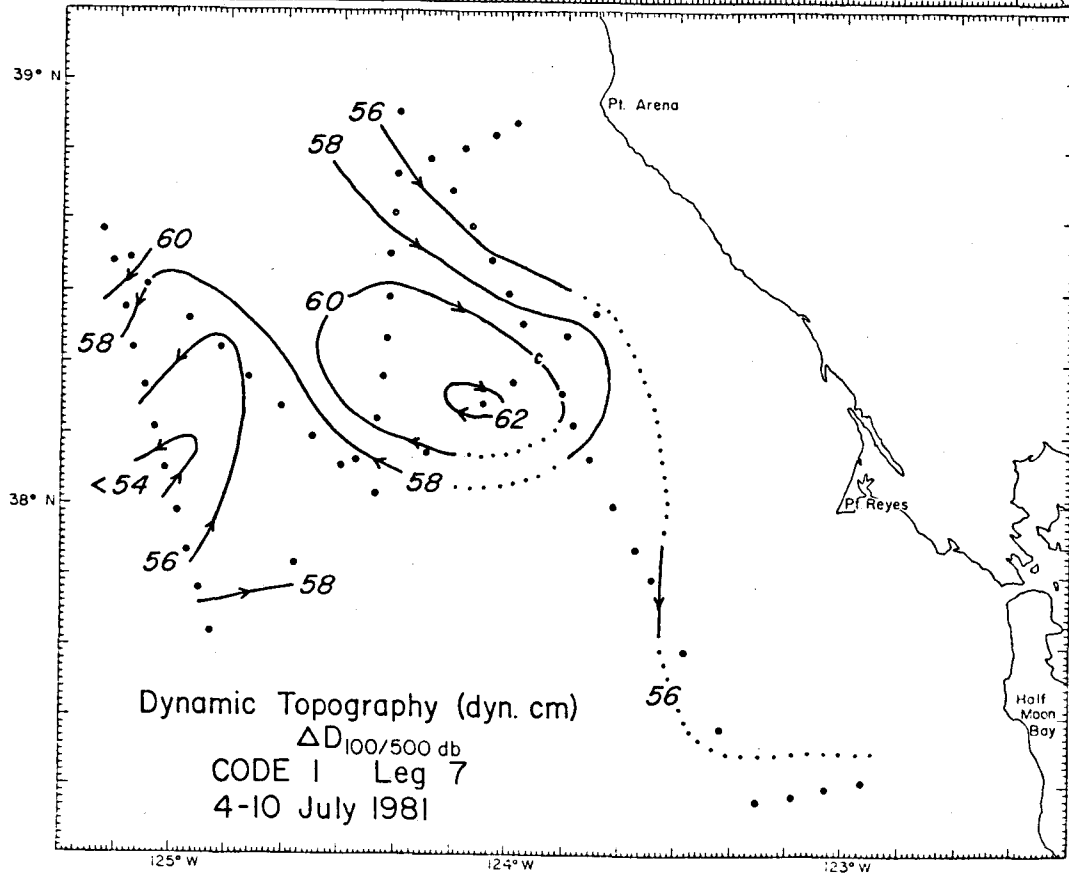
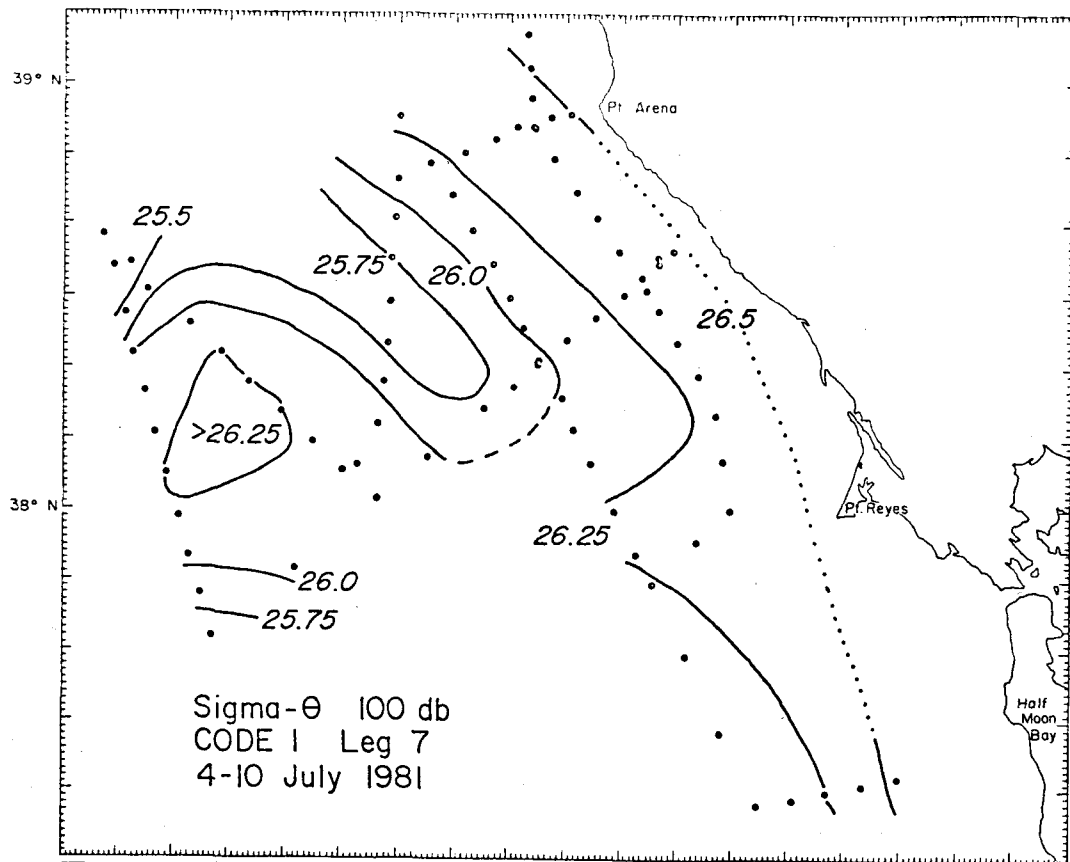


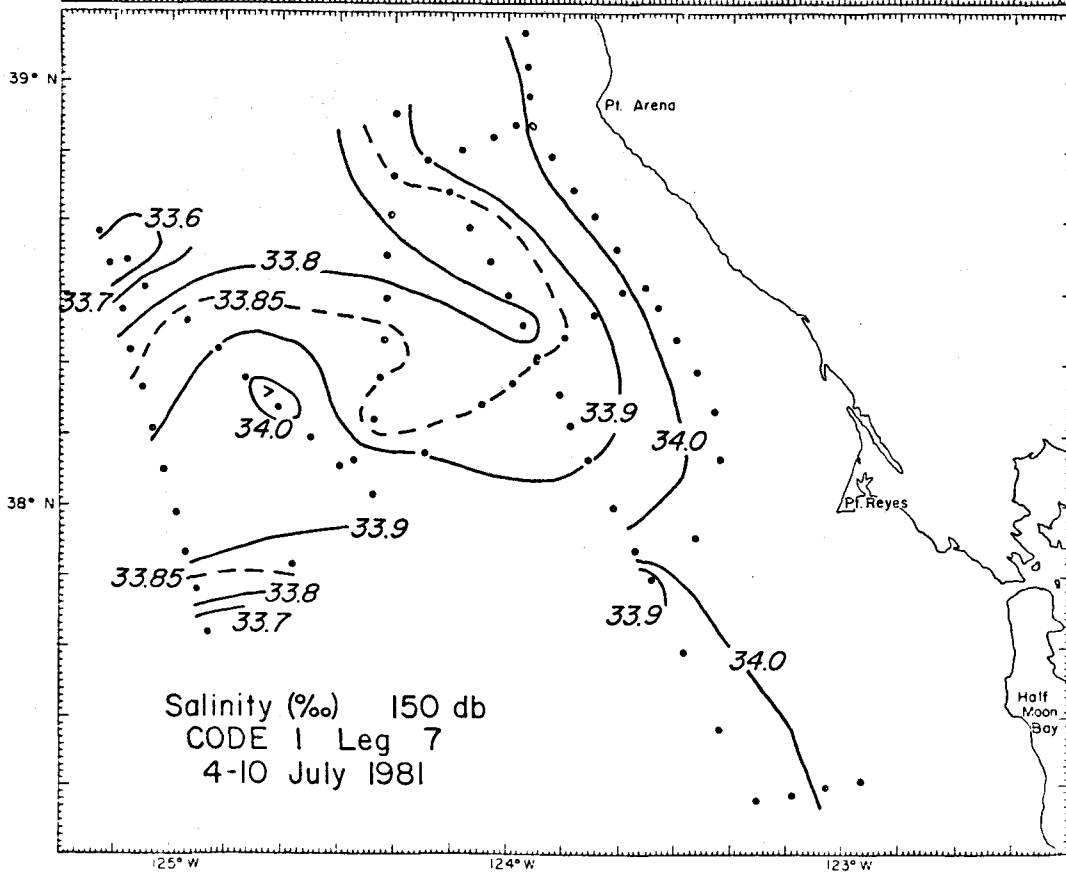
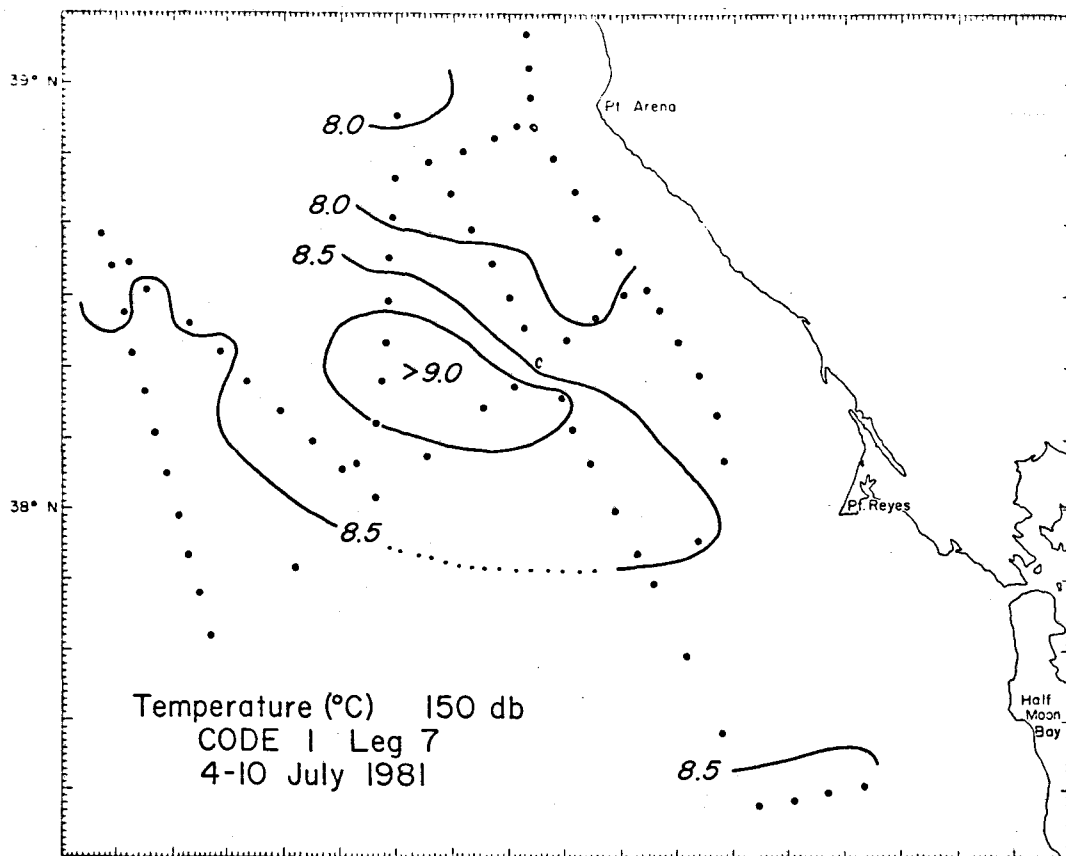


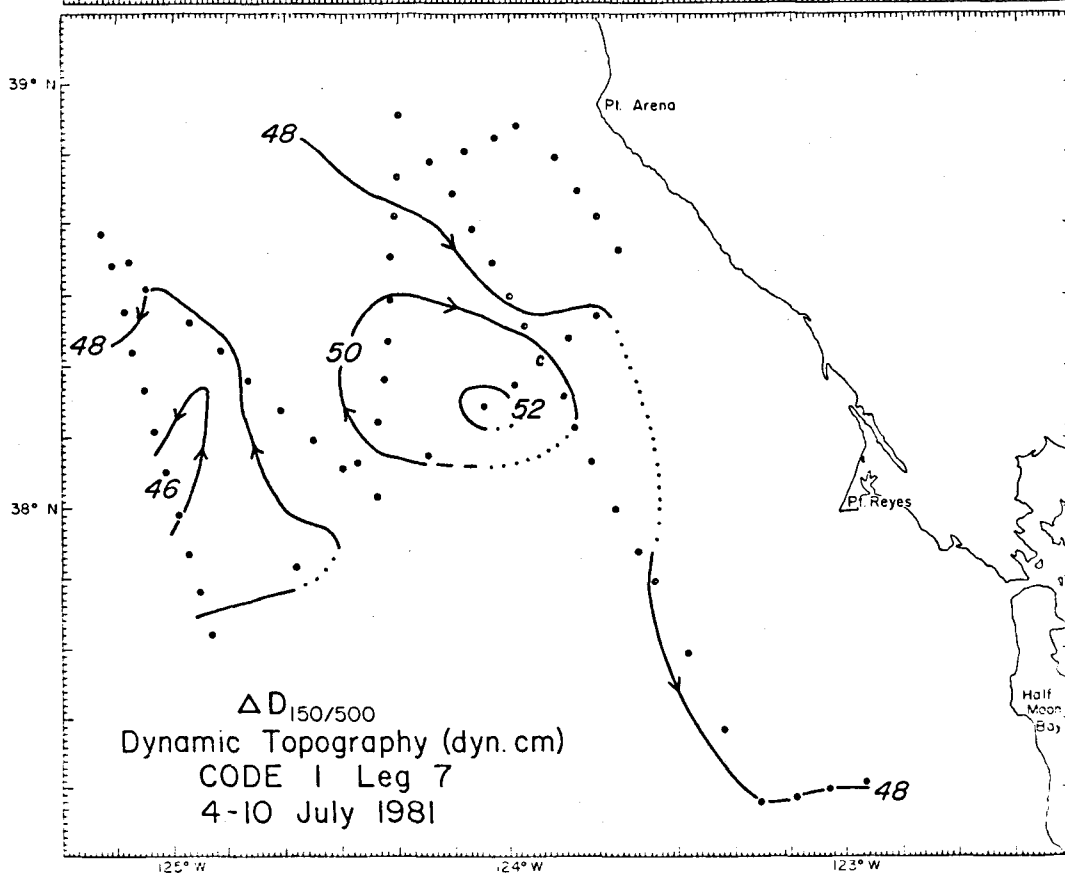
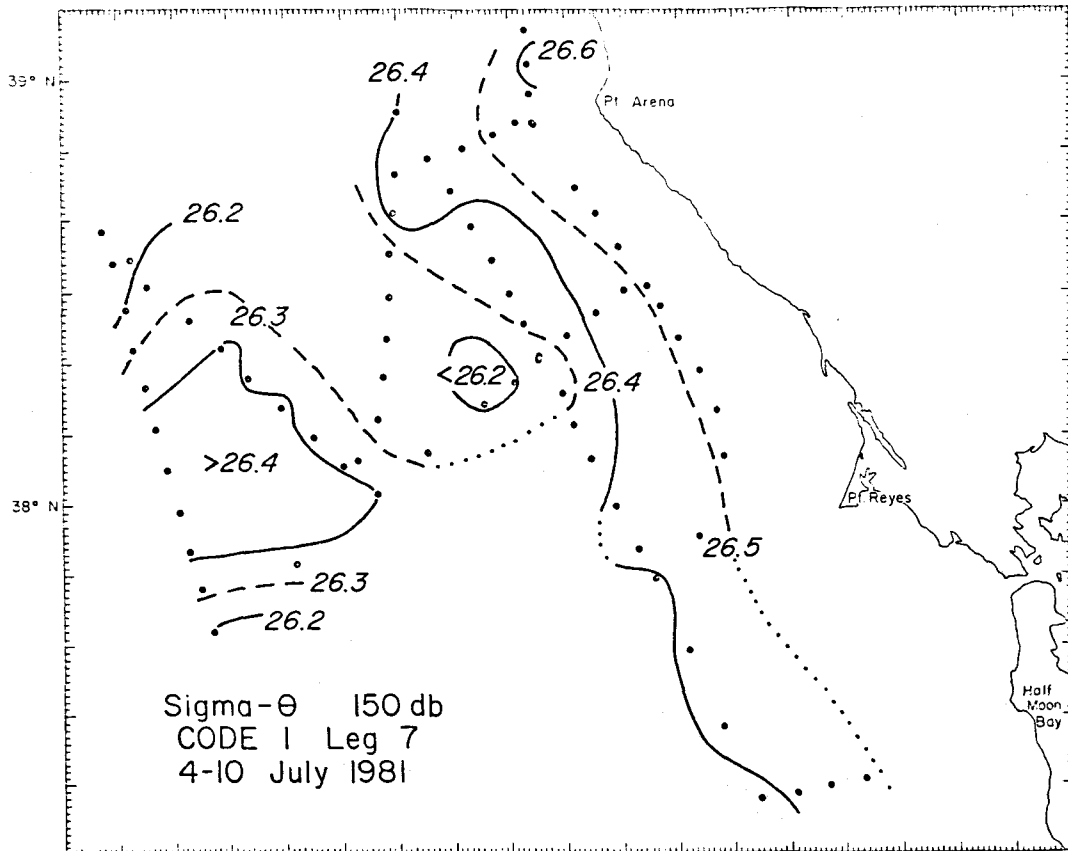


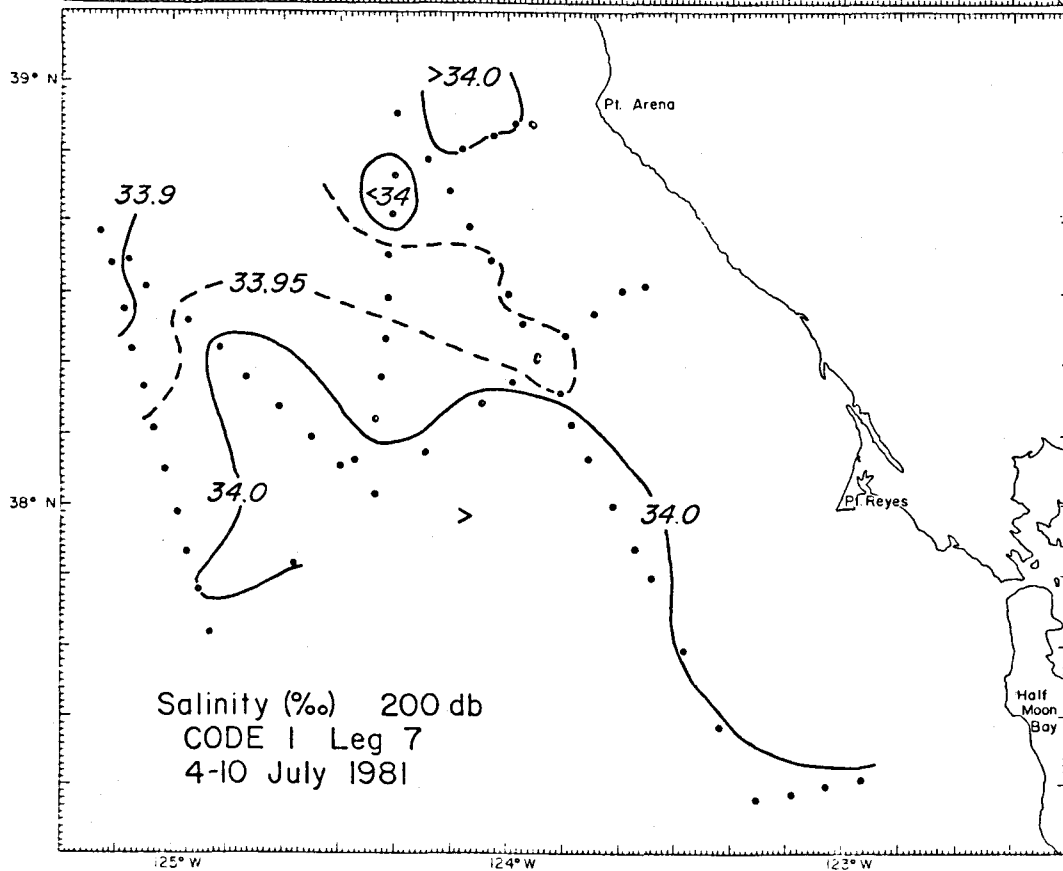
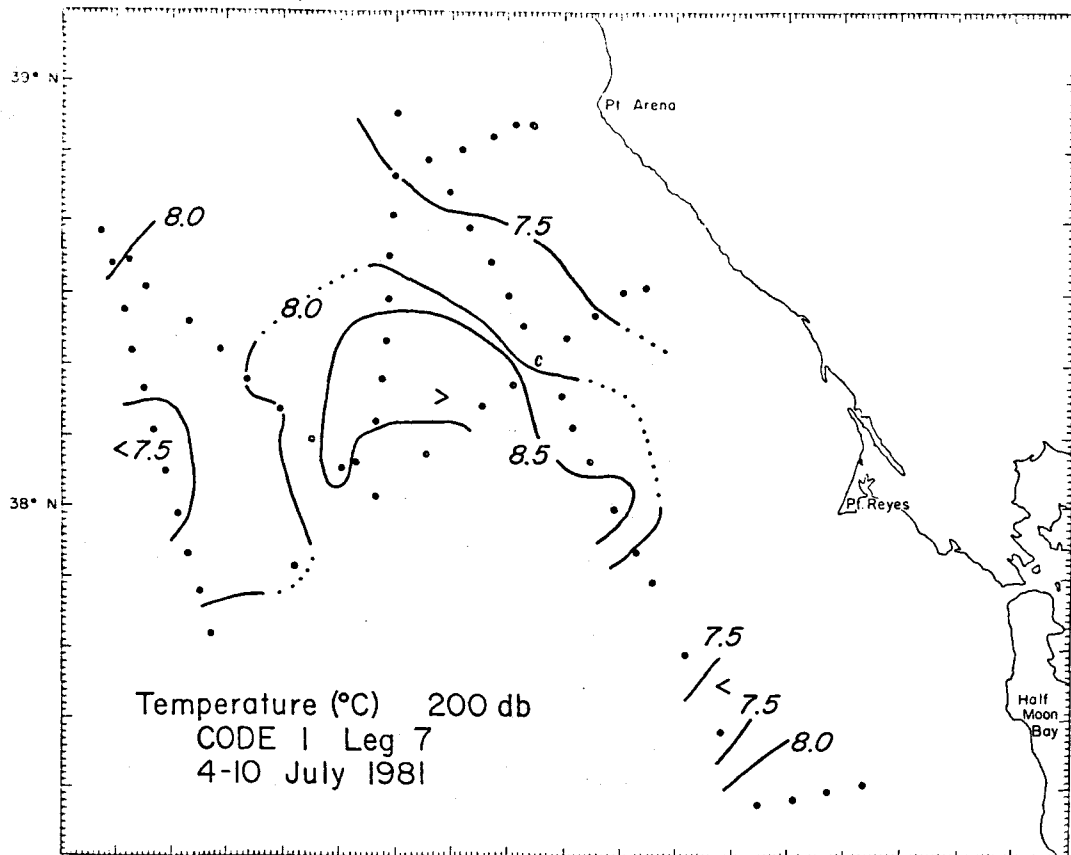


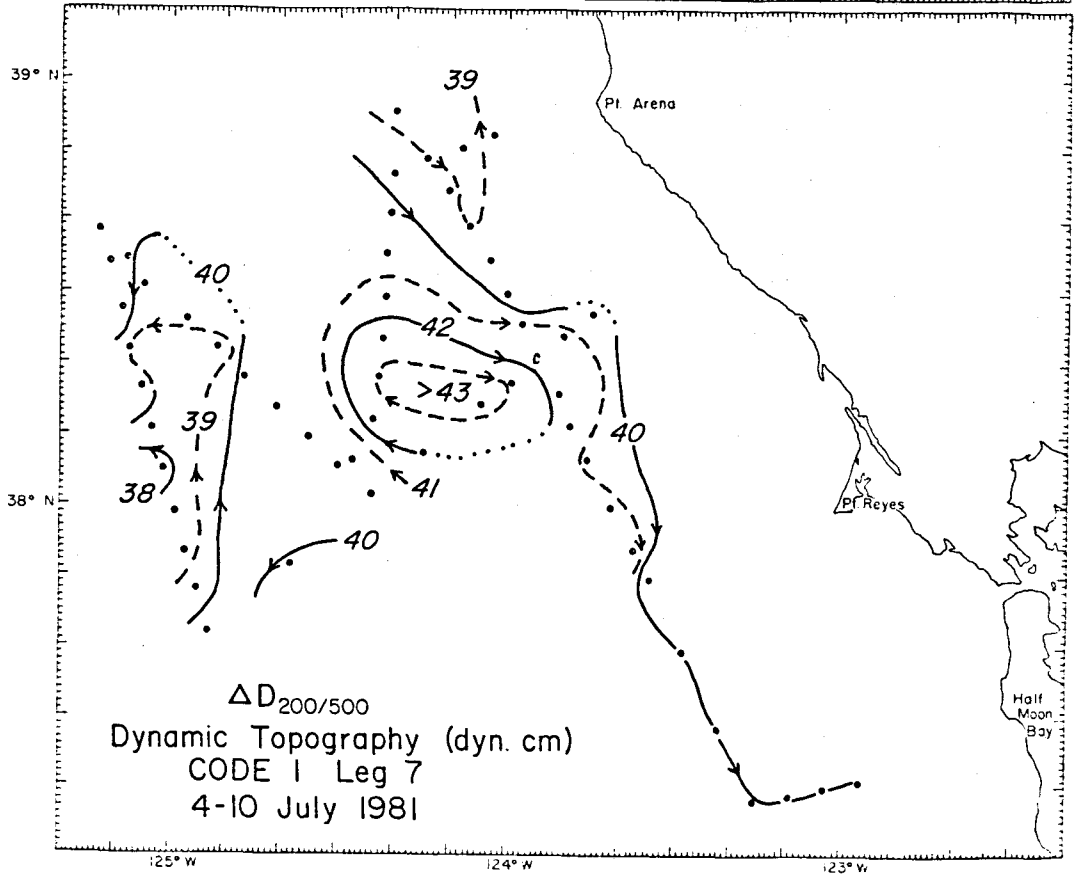
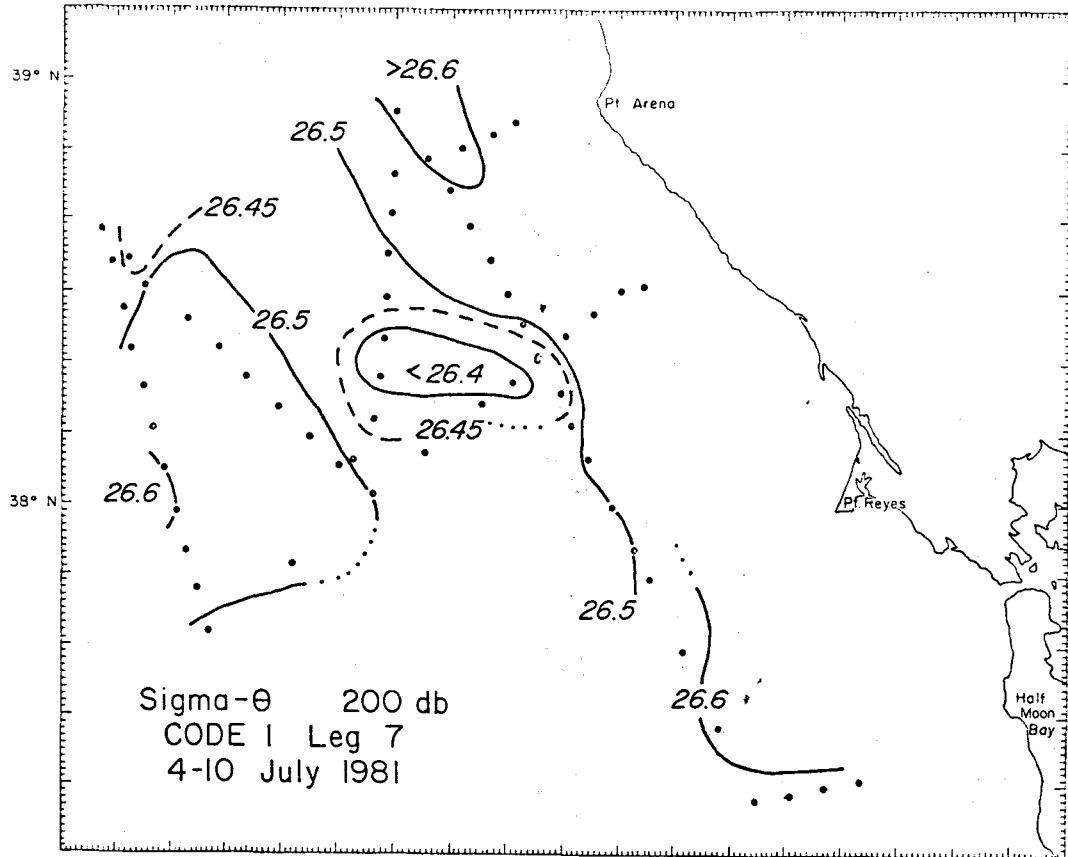


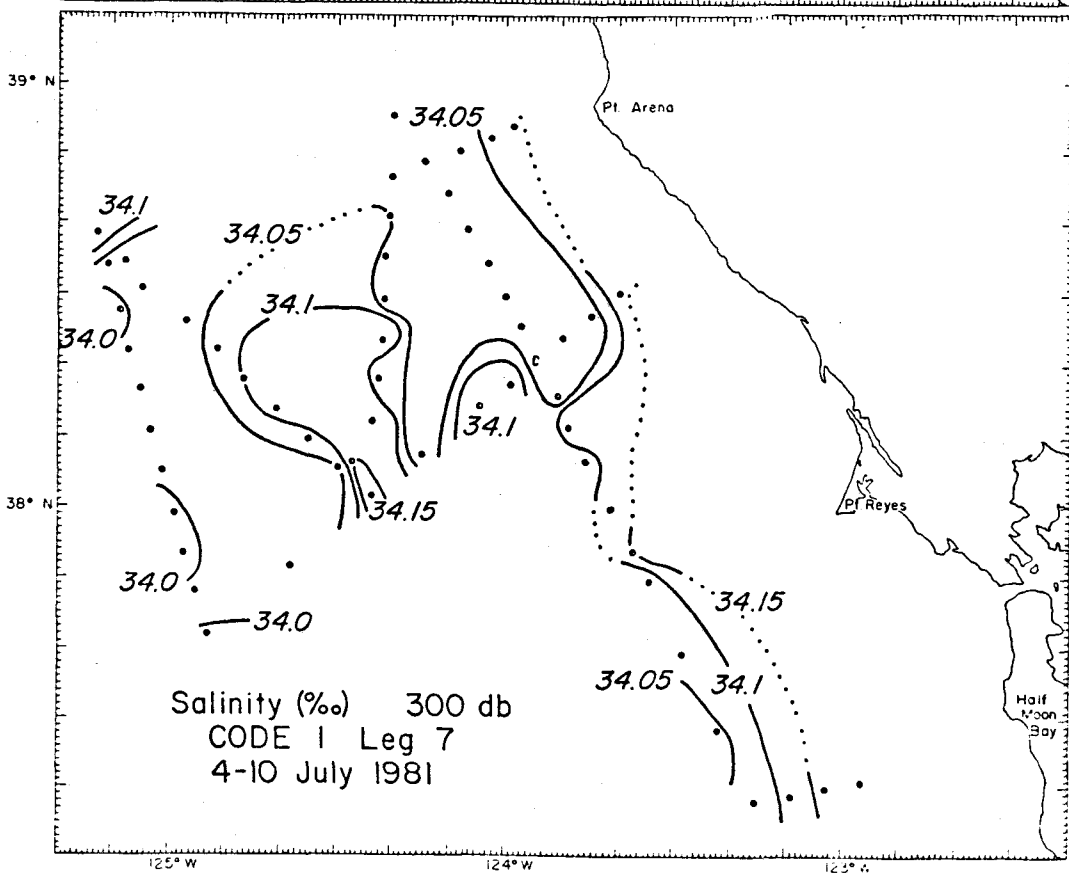
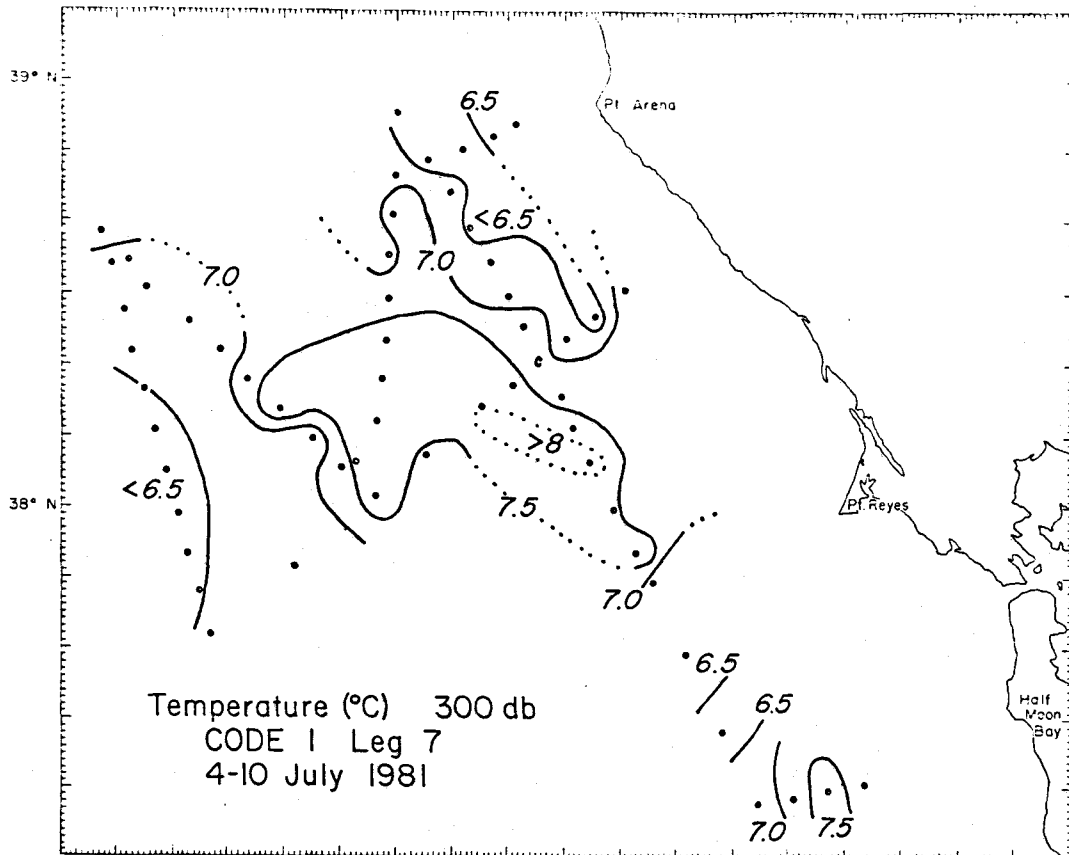


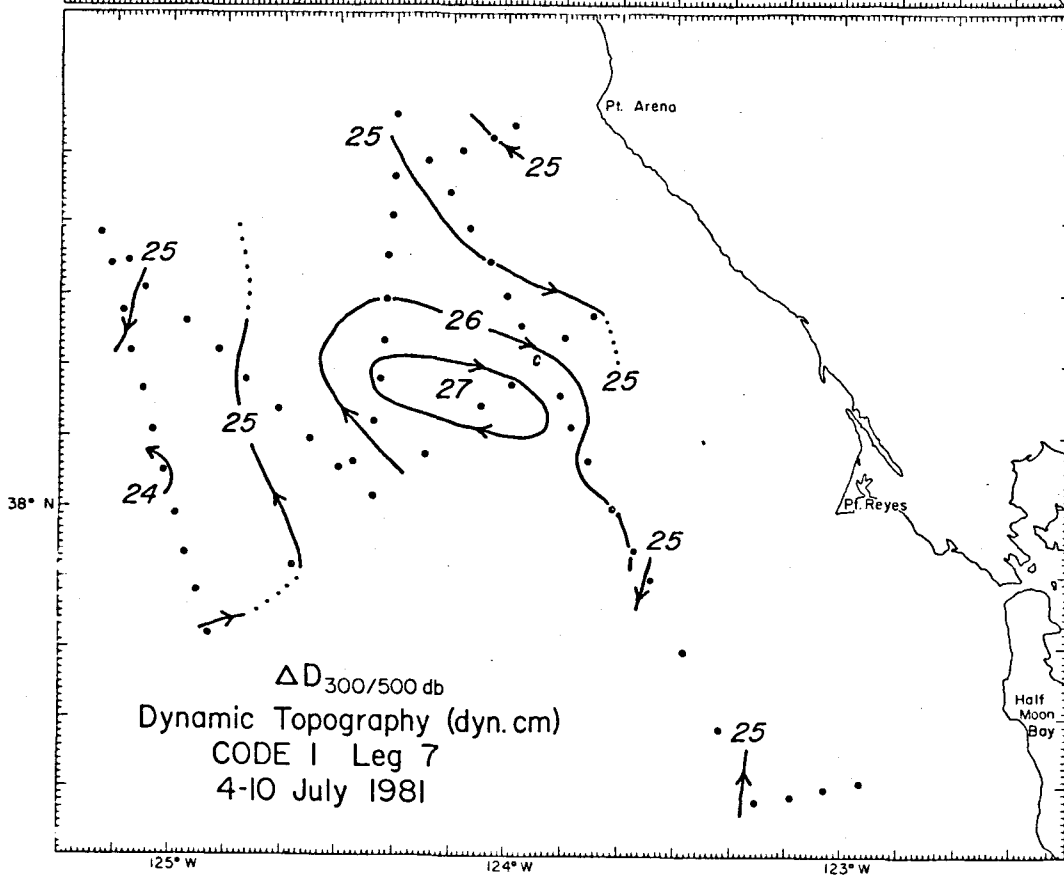
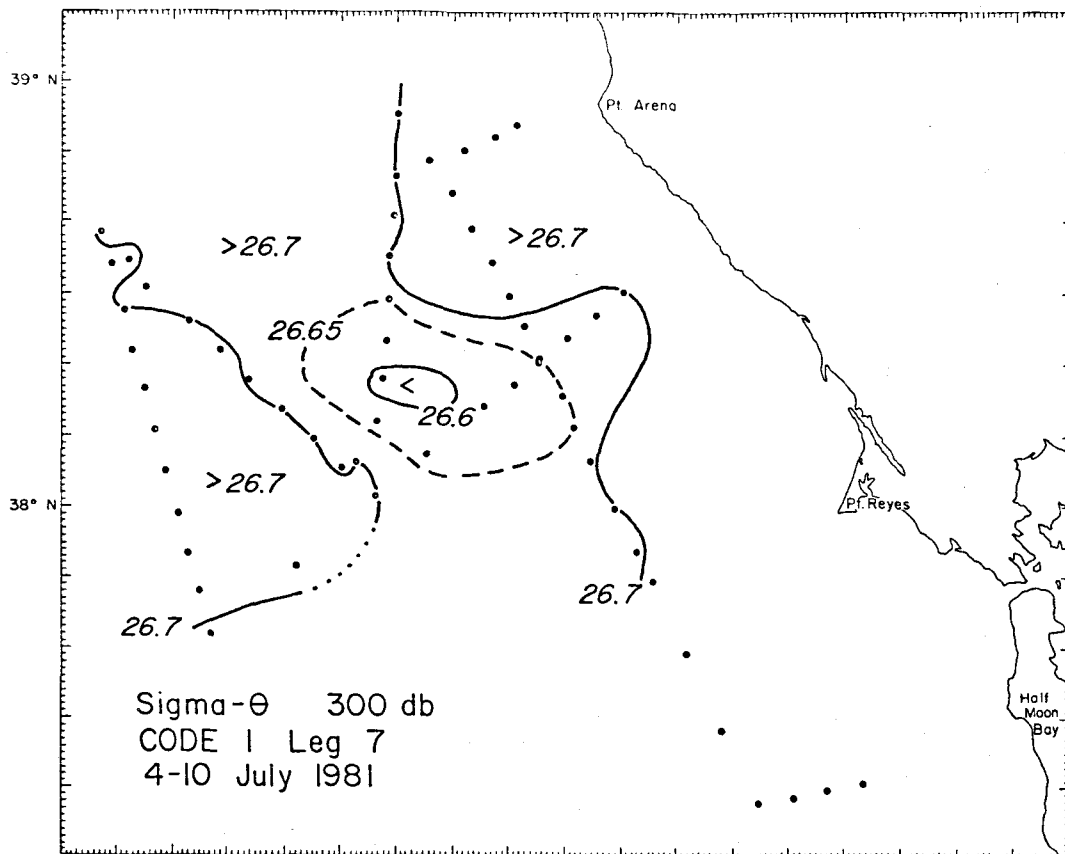




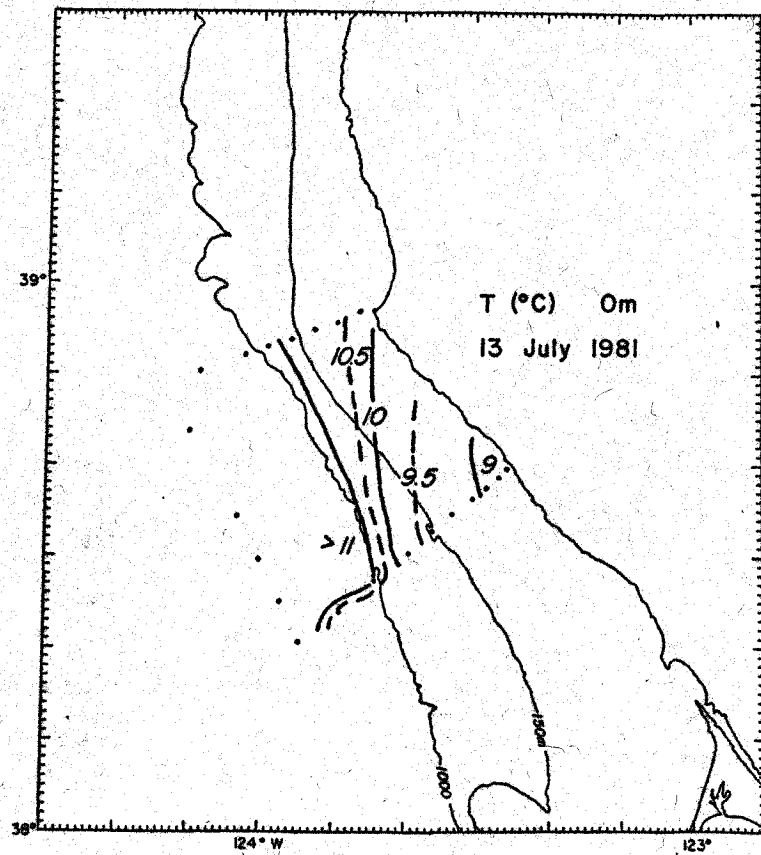
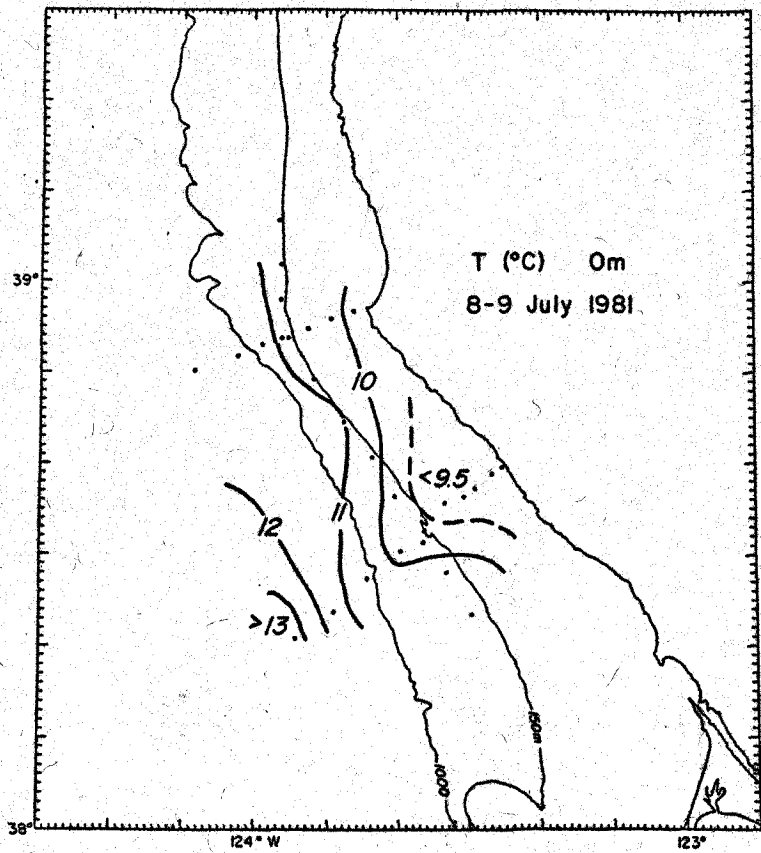


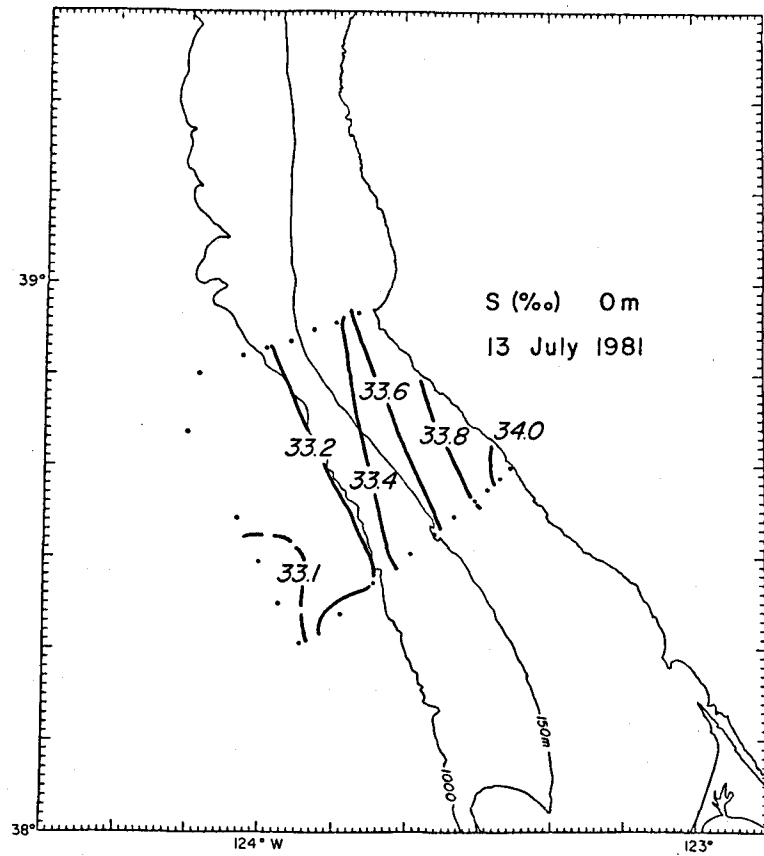
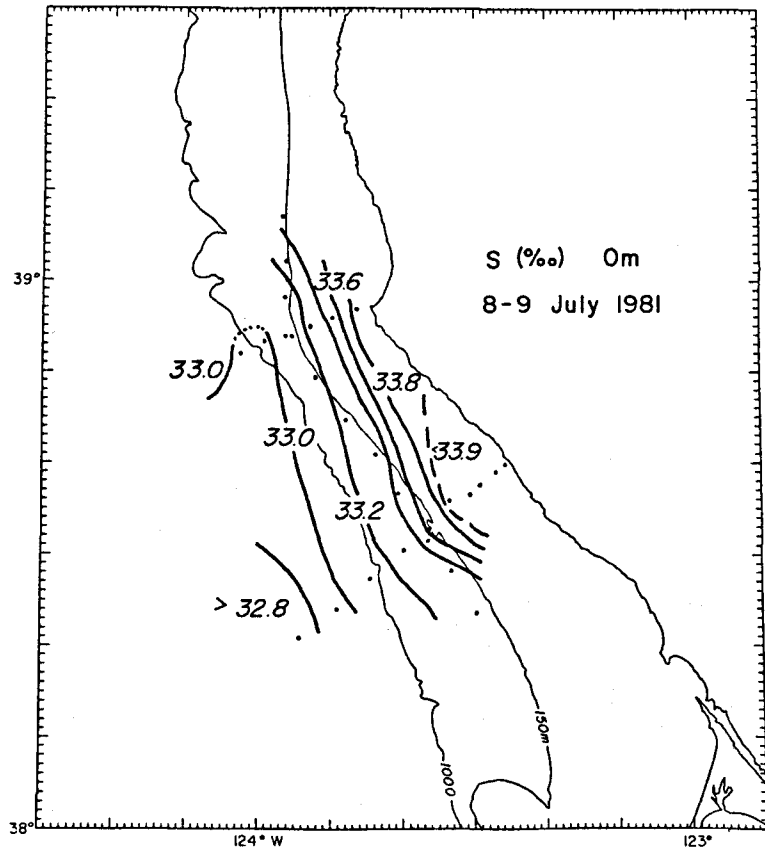


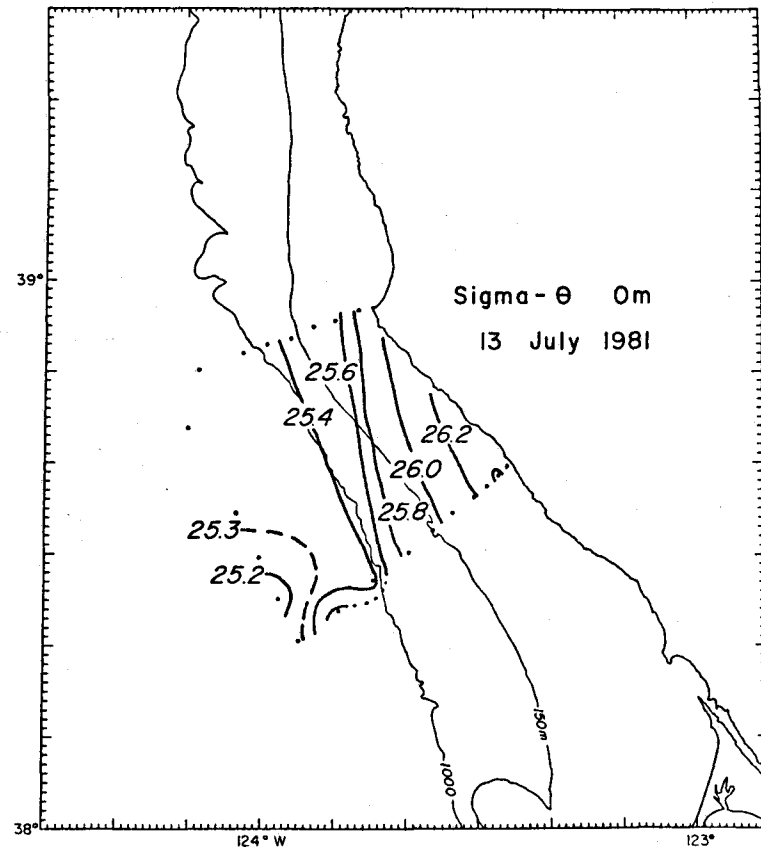
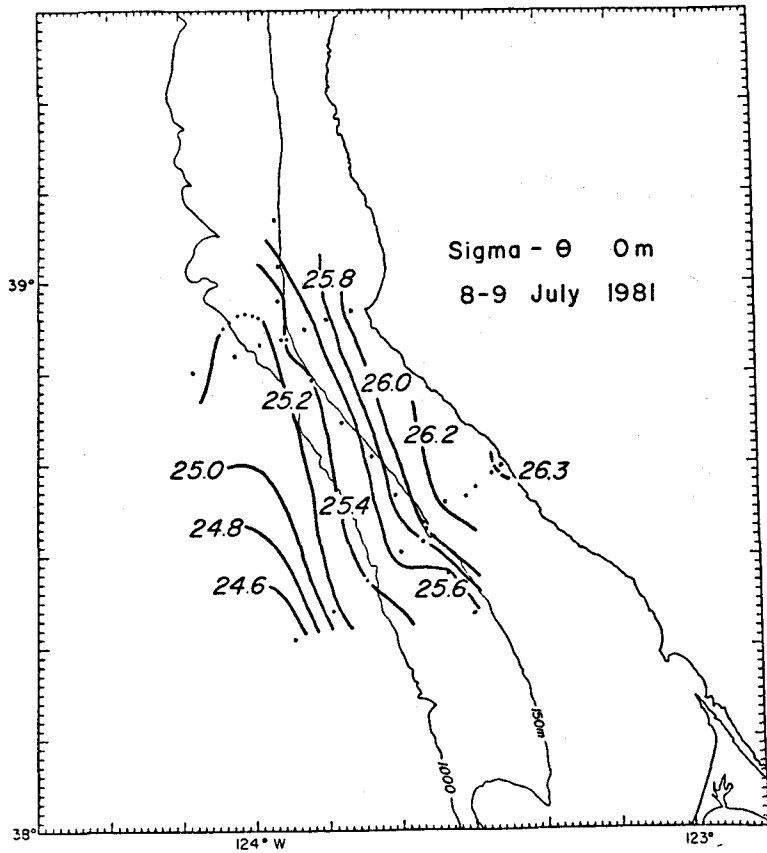


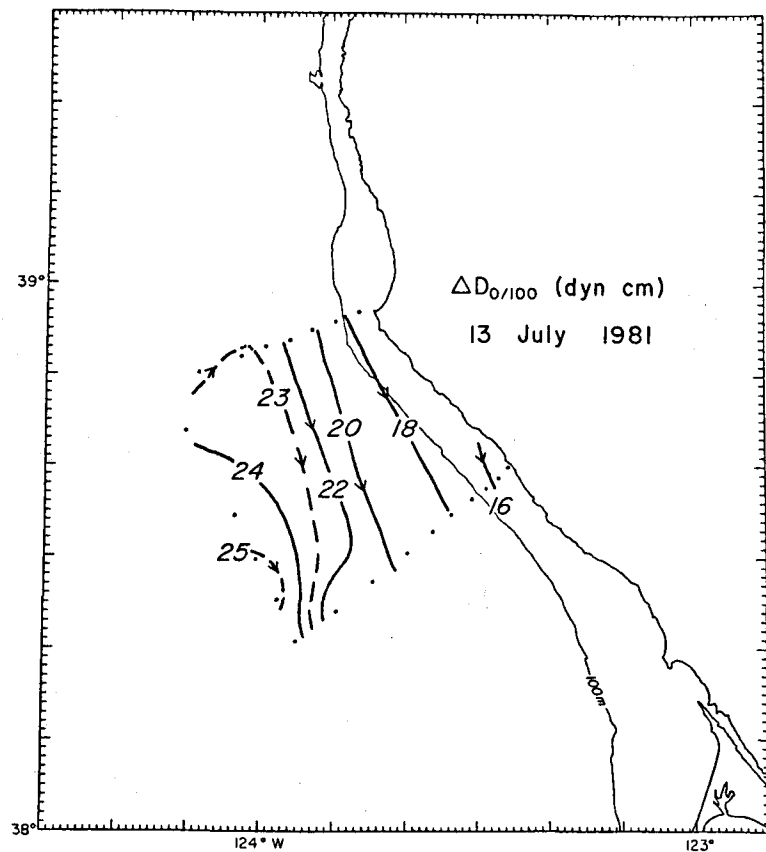
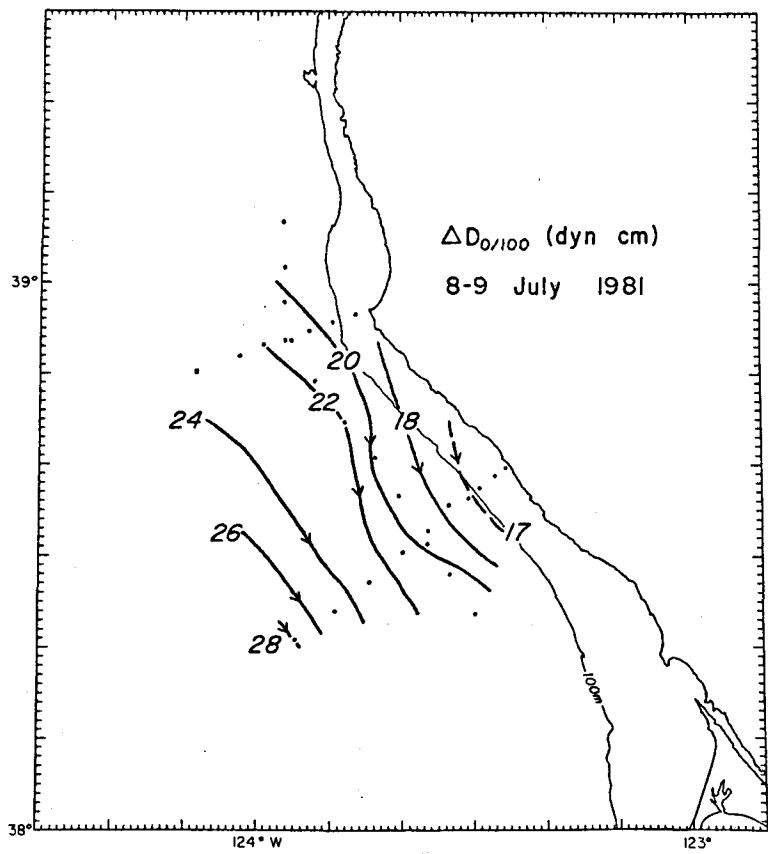


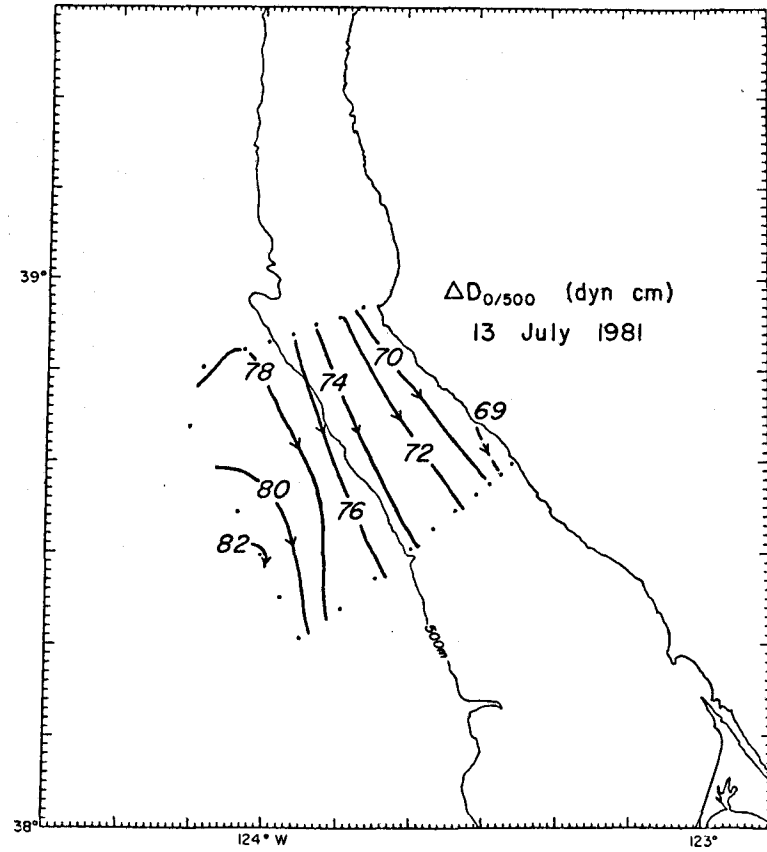
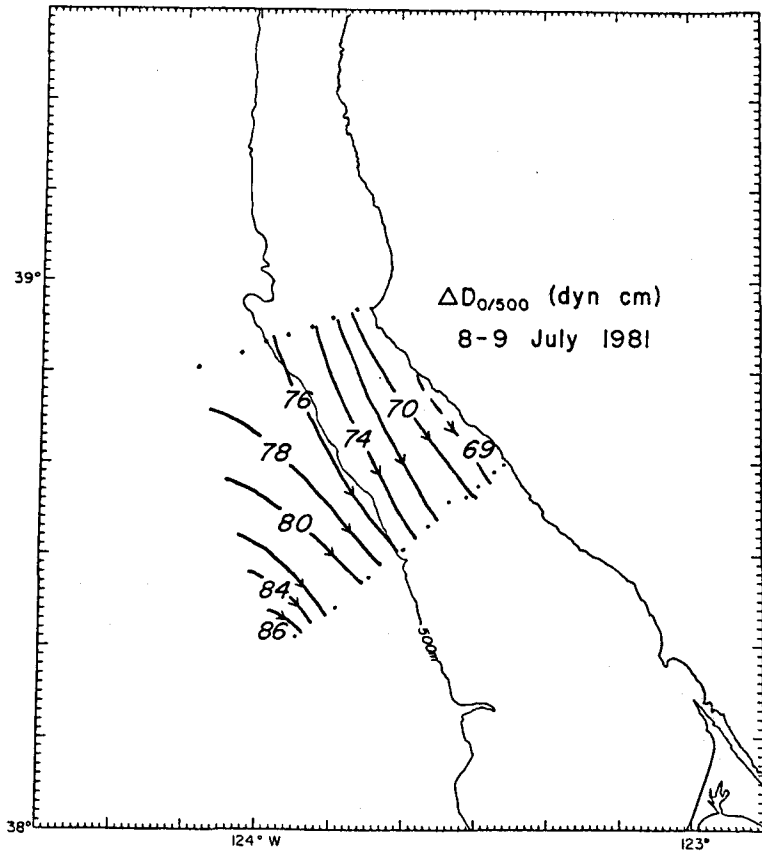
MESOSCALE MAPS

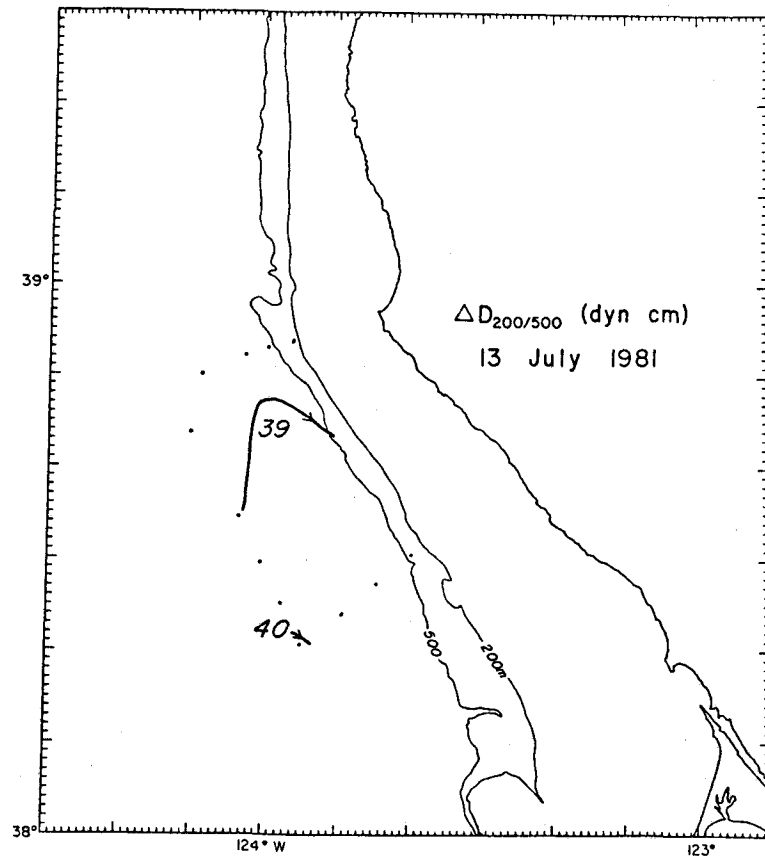
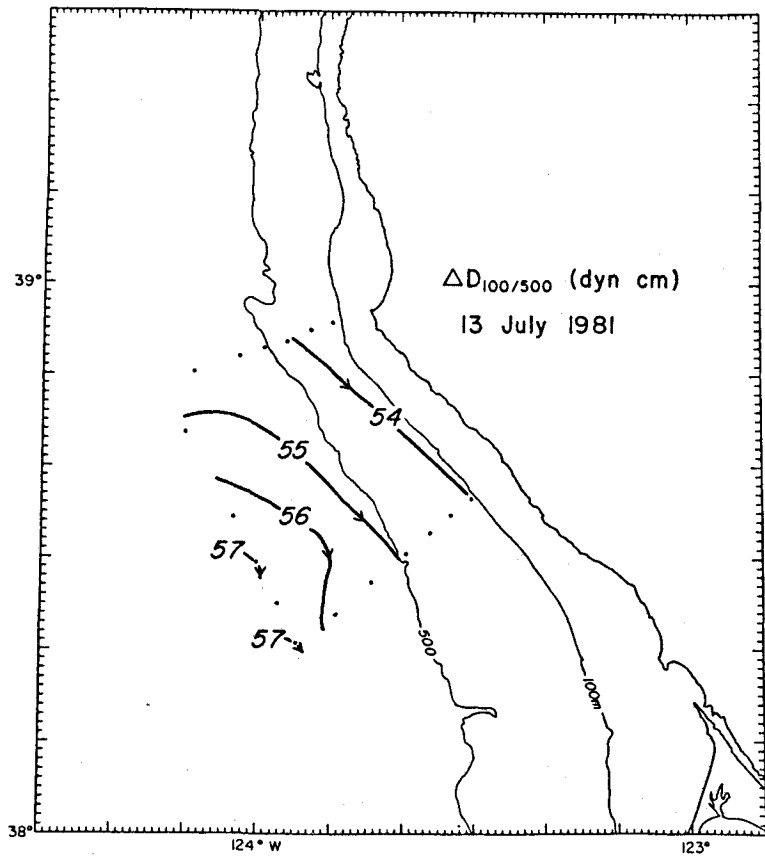




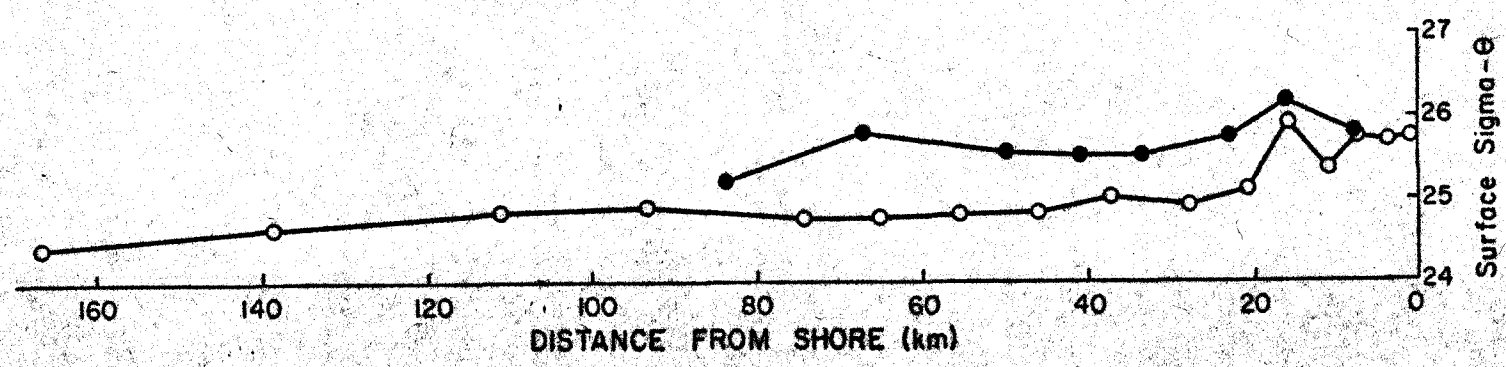
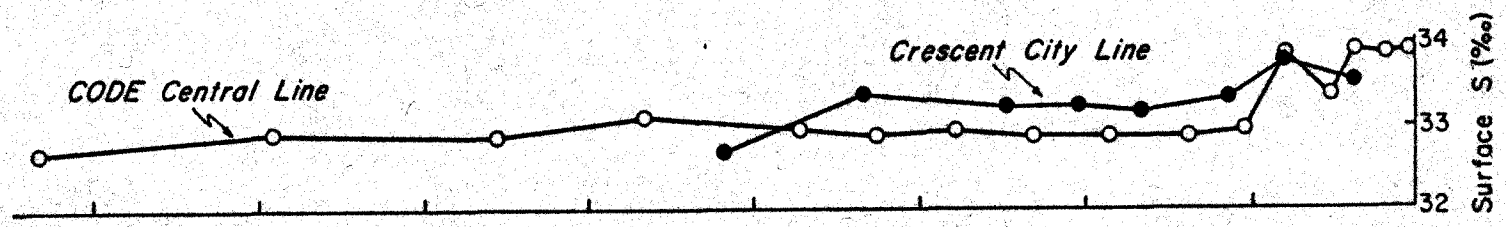
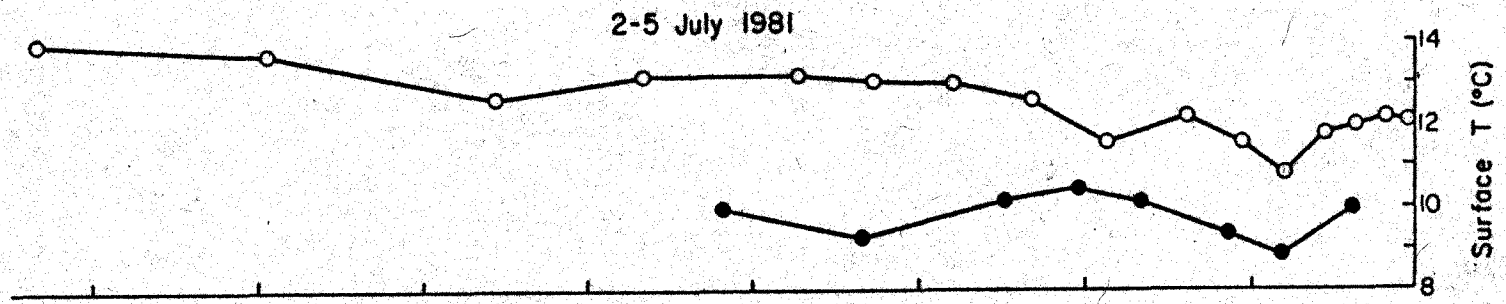




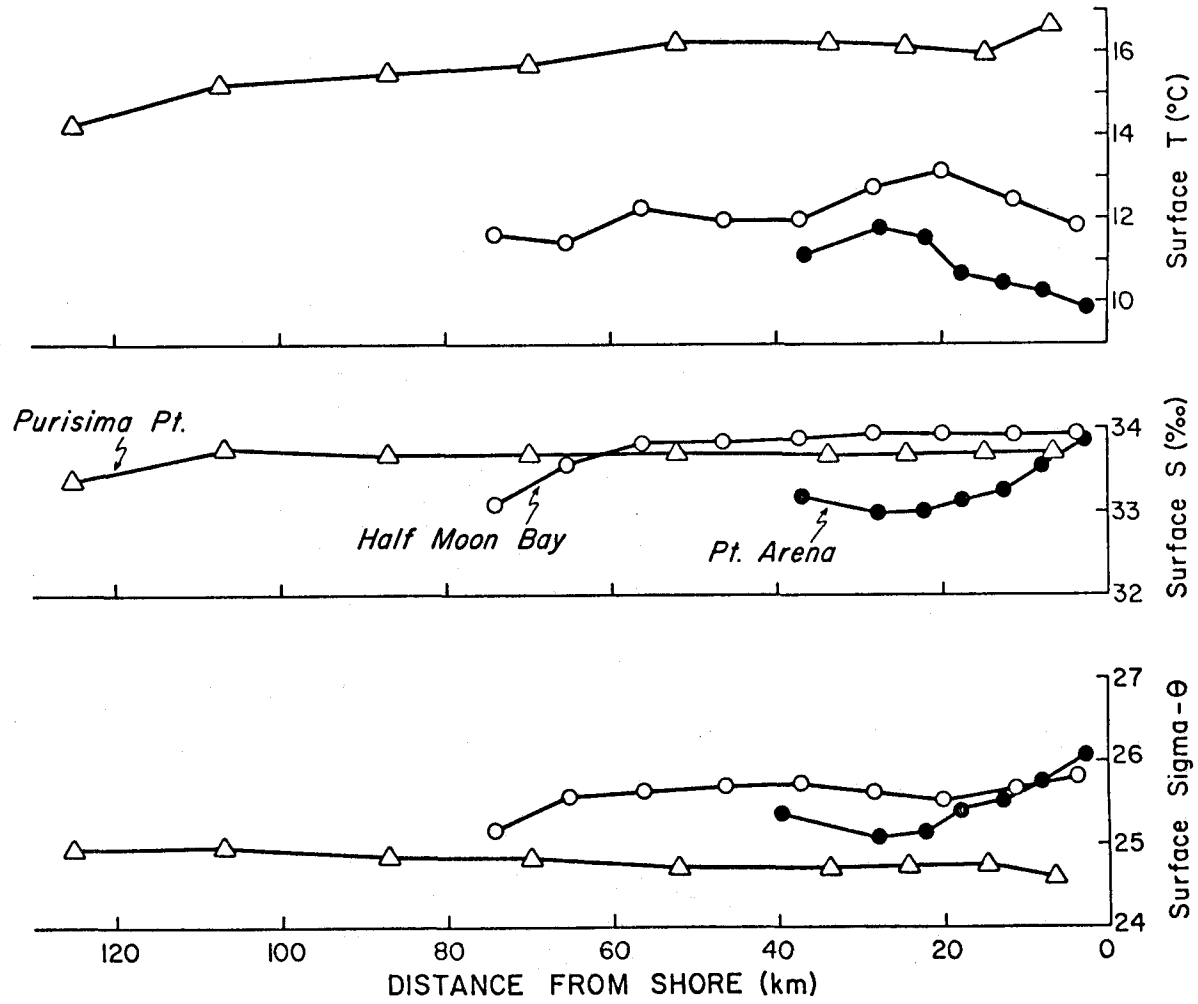


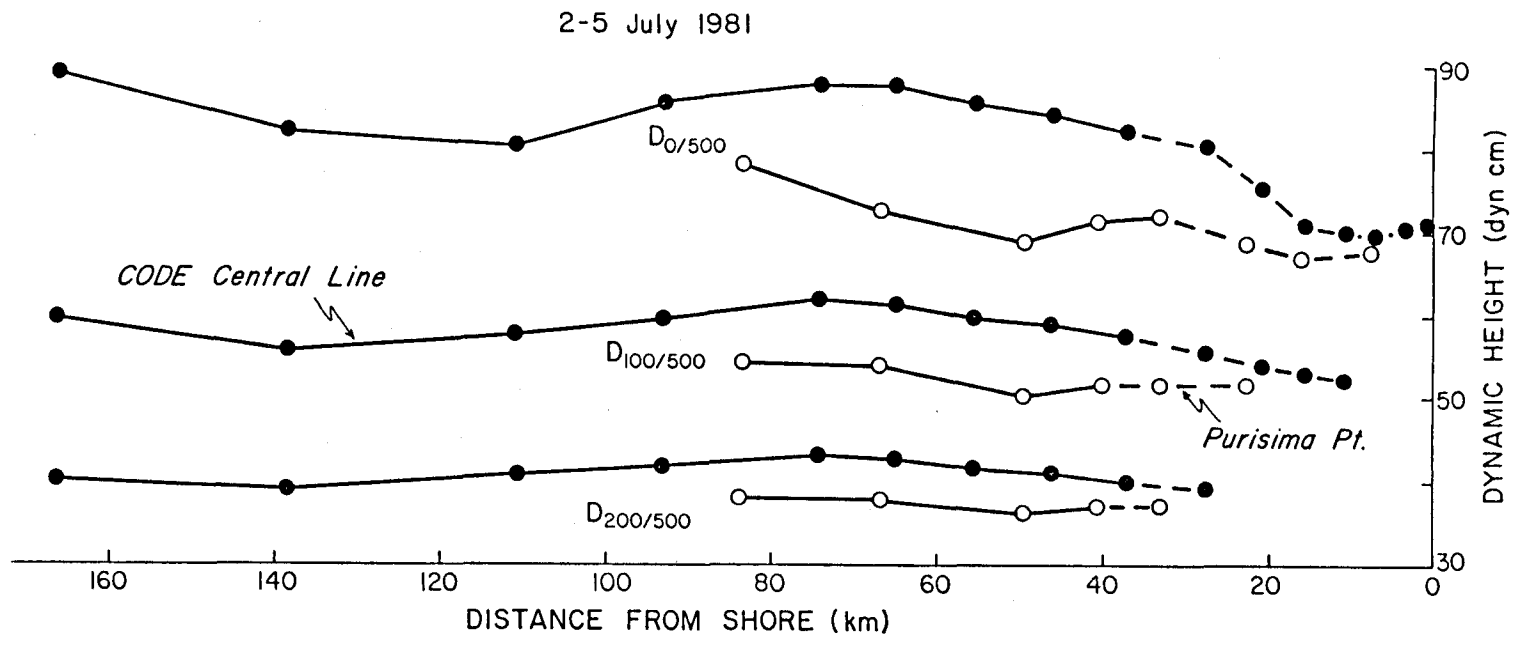


OFFSHORE PROFILES

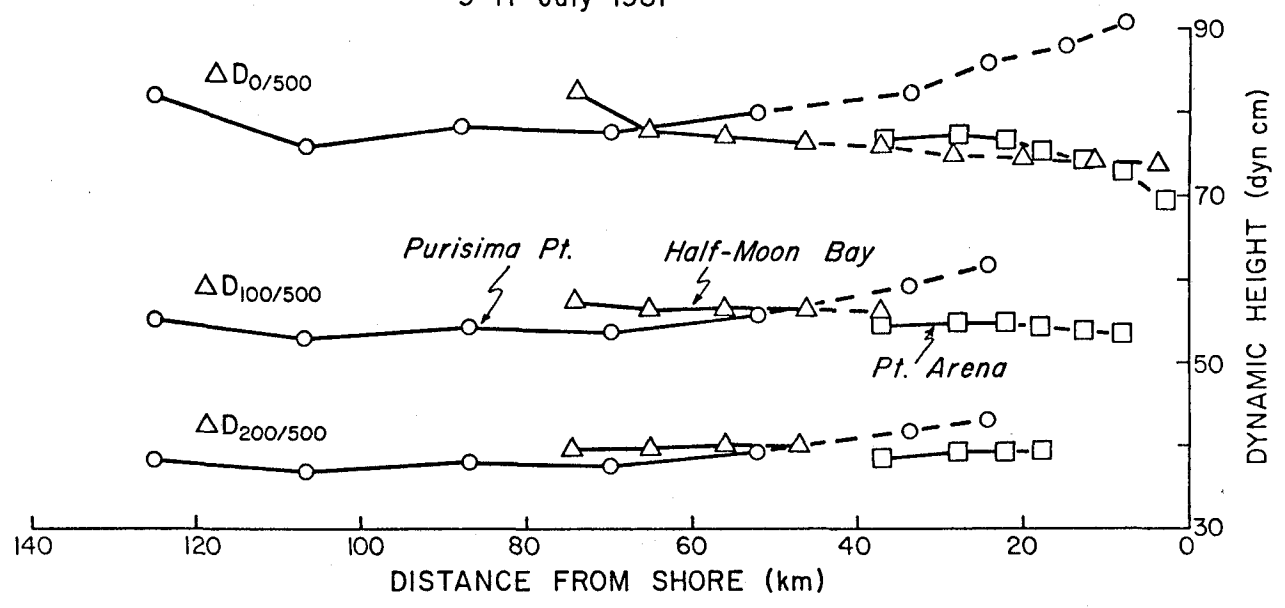


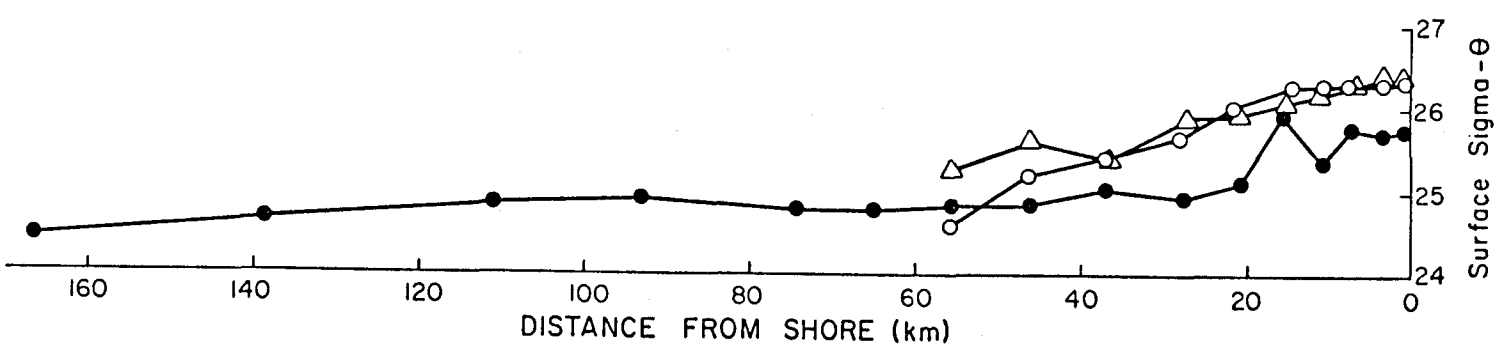
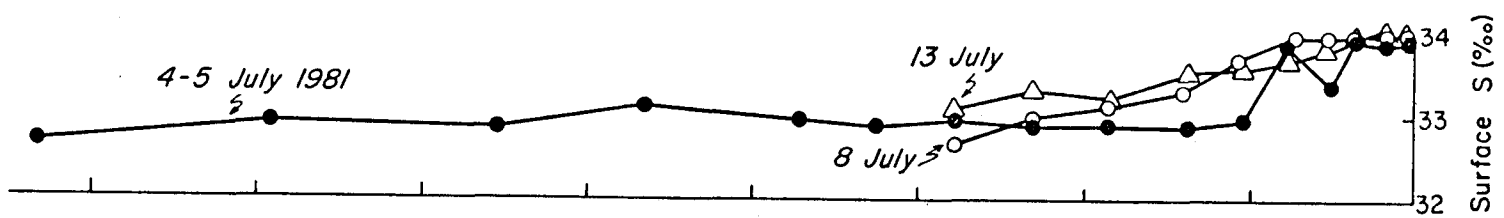
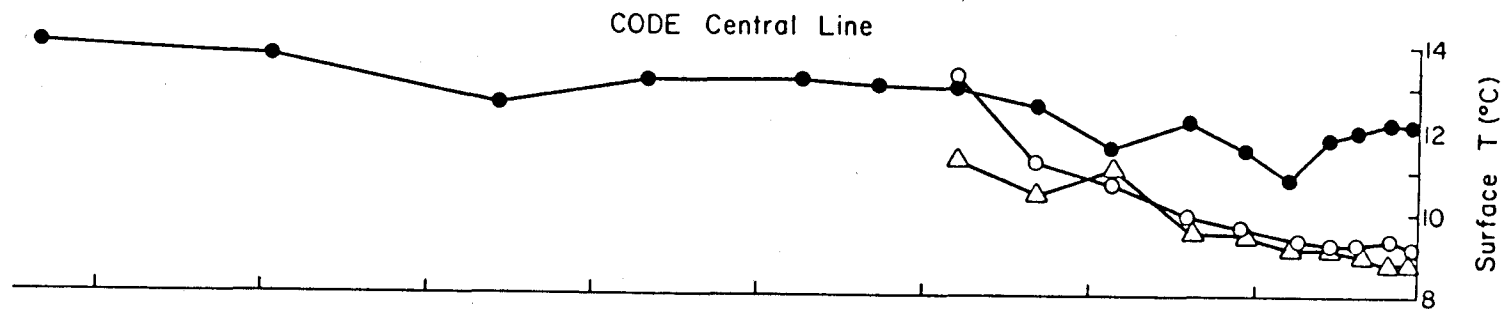
9-11 July 1981



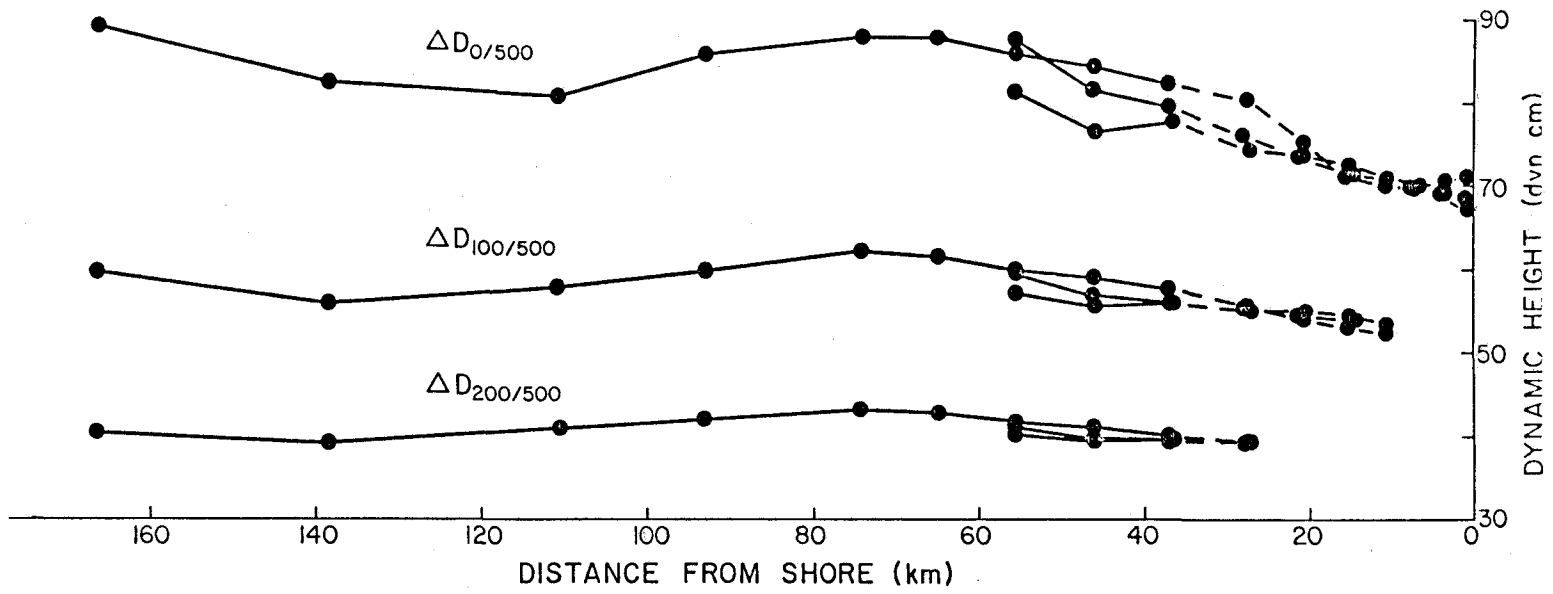


9-11 July 1981

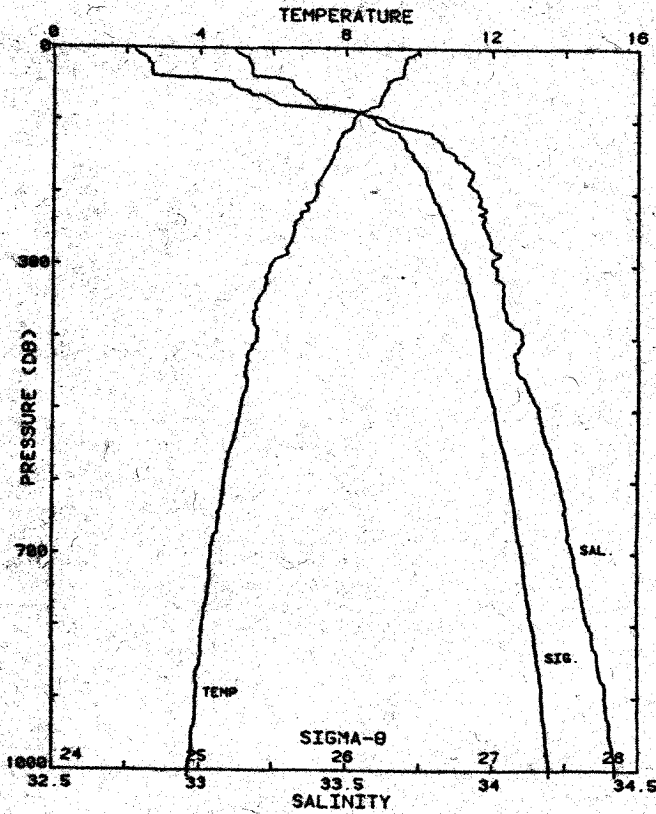




CODE Central Line, 4-13 July 1981



VERTICAL PROFILES AND LISTINGS



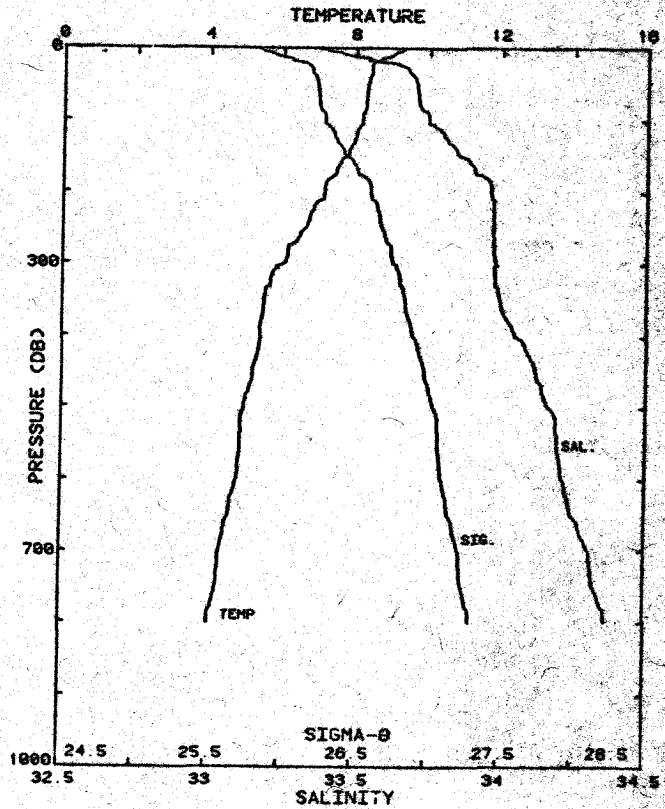
STATION 1 CR 8

STA NO 1 CR 8 LAT: 41 53.8 N LONG: 125 12.1 W
 2 JUL 1981 2046 GMT PROBE 2567 DEPTH 2803H
 83.4 KM FROM SHORE

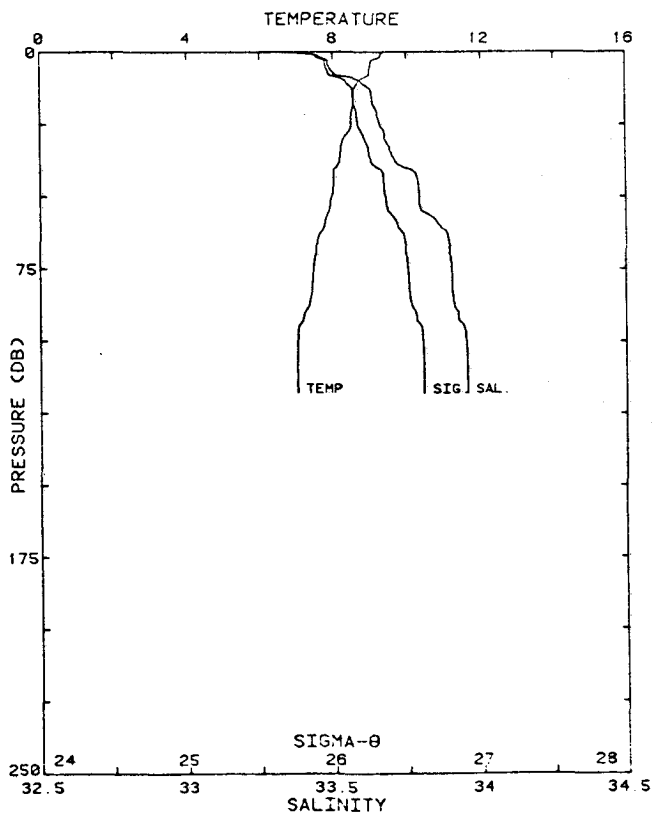
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
0	9.982	32.780	9.982	25.244	273.5	0.000
10	9.797	32.798	9.796	25.289	269.4	0.027
20	9.627	32.824	9.624	25.337	265.0	0.054
30	9.583	32.835	9.580	25.353	263.7	0.080
40	9.495	32.873	9.490	25.397	259.7	0.107
50	9.146	33.113	9.142	25.640	236.7	0.131
60	9.039	33.169	9.033	25.701	231.2	0.158
70	8.964	33.231	8.957	25.761	225.6	0.177
80	8.892	33.273	8.884	25.806	221.6	0.208
90	8.353	33.350	8.344	26.106	193.2	0.239
100	8.201	33.637	8.191	26.197	184.7	0.239
110	8.153	33.694	8.142	26.248	180.0	0.257
120	7.884	33.793	7.873	26.366	169.0	0.275
130	7.773	33.826	7.760	26.409	165.1	0.291
140	7.748	33.834	7.735	26.418	164.4	0.308
150	7.654	33.873	7.642	26.463	160.3	0.324
175	7.393	33.931	7.377	26.546	152.7	0.363
200	7.212	33.953	7.193	26.589	149.0	0.401
225	6.991	33.980	6.970	26.641	144.4	0.438
250	6.601	33.979	6.579	26.693	139.6	0.473
300	5.951	34.003	5.925	26.796	130.2	0.541
400	5.582	34.102	5.549	26.921	119.4	0.665
500	5.125	34.158	5.085	27.020	110.8	0.781
600	4.688	34.228	4.642	27.125	101.4	0.887
800	4.096	34.333	4.036	27.274	88.5	1.078
1000	3.688	34.423	3.615	27.388	78.8	1.244
1008	3.679	34.424	3.605	27.390	78.7	1.250

STA NO 2 CR 7 LAT: 41 54.0 N LONG: 125 00.0
 2 JUL 1981 2240 GMT PROBE 2567 DEPTH 836H
 67.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	9.294	33.367	9.294	25.815	219.2	0.002
10	8.964	33.469	8.963	25.947	206.8	0.021
20	8.471	33.593	8.469	26.120	190.5	0.041
30	8.420	33.678	8.417	26.195	183.6	0.060
40	8.369	33.698	8.365	26.218	181.6	0.078
50	8.318	33.707	8.313	26.233	180.4	0.096
60	8.294	33.709	8.288	26.239	180.0	0.114
70	8.279	33.713	8.272	26.244	179.7	0.132
80	8.271	33.717	8.263	26.248	179.5	0.150
90	8.201	33.745	8.192	26.281	176.6	0.168
100	8.177	33.749	8.167	26.288	176.1	0.186
110	8.088	33.774	8.077	26.321	173.1	0.203
120	8.015	33.801	8.003	26.353	170.2	0.220
130	7.954	33.816	7.941	26.374	168.4	0.237
140	7.832	33.844	7.818	26.414	164.8	0.254
150	7.749	33.859	7.734	26.438	162.7	0.270
175	7.458	33.913	7.441	26.523	154.9	0.310
200	7.148	33.966	7.129	26.608	147.2	0.347
225	6.851	33.974	6.830	26.655	143.0	0.383
250	6.626	33.974	6.603	26.686	140.3	0.418
300	6.037	33.984	6.011	26.770	132.7	0.486
400	5.430	34.049	5.398	26.897	121.6	0.613
500	4.989	34.167	4.949	27.043	108.5	0.727
600	4.817	34.215	4.770	27.101	103.9	0.832
800	4.059	34.367	3.999	27.305	85.6	1.020



STATION 2 CR 7



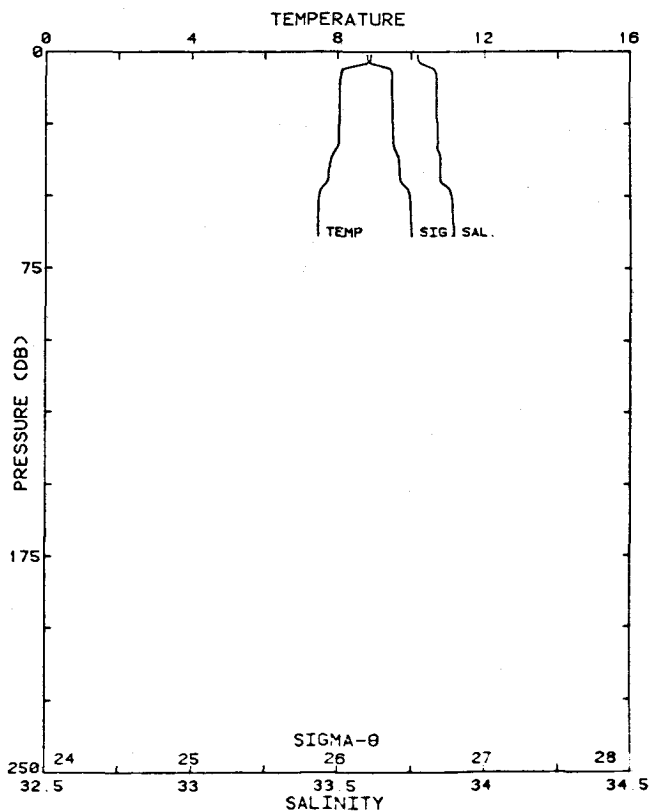
STATION 3 CR 3

STA NO 3 CR 3 LAT: 41 54.0 N LONG:124 29.0 W
 3 JUL 1981 0700 GMT PROBE 2567 DEPTH 122M
 22.9 KM FROM SHORE

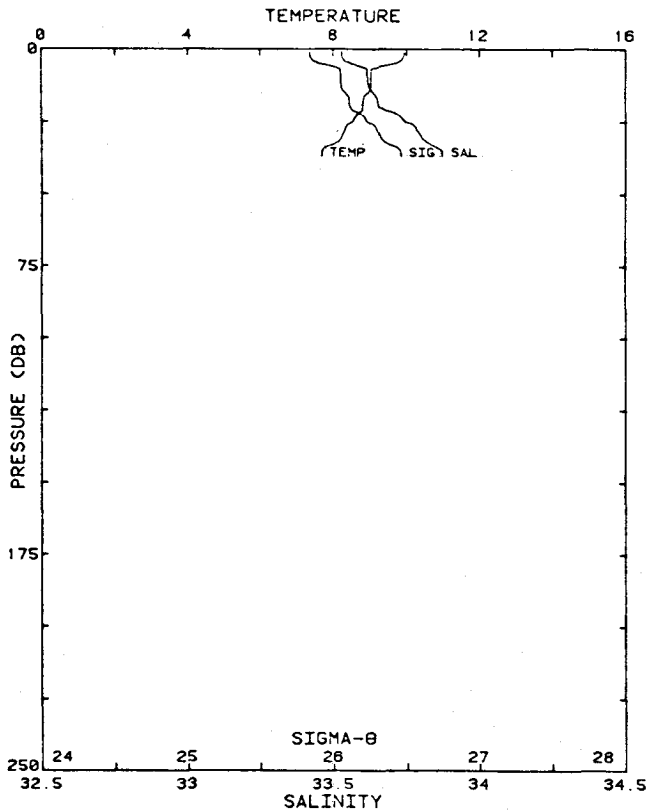
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.373	33.319	9.373	25.764	224.0	0.000
10	8.693	33.593	8.692	26.085	193.6	0.021
20	8.510	33.646	8.508	26.156	187.1	0.040
30	8.288	33.673	8.285	26.211	182.1	0.058
40	8.086	33.740	8.082	26.294	174.4	0.076
50	7.958	33.795	7.953	26.356	168.7	0.093
60	7.753	33.860	7.747	26.437	161.2	0.110
70	7.528	33.895	7.521	26.497	155.6	0.125
80	7.432	33.902	7.425	26.516	153.9	0.141
90	7.219	33.921	7.210	26.561	149.8	0.156
100	7.027	33.948	7.018	26.609	145.4	0.171
110	7.016	33.950	7.006	26.613	145.2	0.185
118	7.017	33.951	7.006	26.613	145.3	0.197

STA NO 4 CR 2 LAT: 41 53.8 N LONG:124 23.9 W
 3 JUL 1981 0752 GMT PROBE 2567 DEPTH 67M
 16.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.882	33.772	8.881	26.196	183.0	0.002
10	8.066	33.837	8.065	26.372	166.4	0.017
20	8.054	33.838	8.052	26.375	166.4	0.034
30	8.040	33.842	8.037	26.380	166.1	0.051
40	7.790	33.848	7.786	26.422	162.2	0.067
50	7.498	33.886	7.493	26.494	155.6	0.083
60	7.466	33.893	7.460	26.504	154.8	0.089
64	7.464	33.894	7.457	26.505	154.7	0.105



STATION 4 CR 2



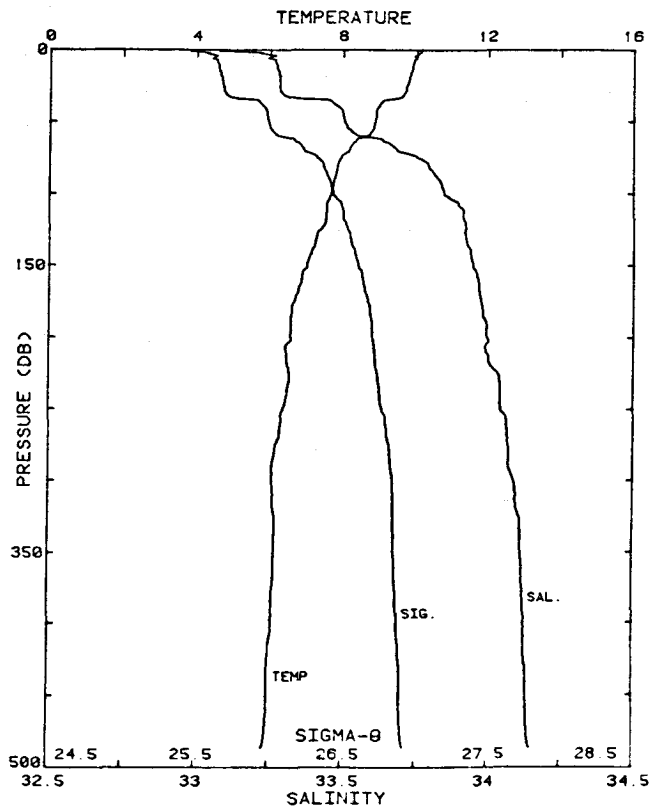
STATION 5 CR 1

STA NO 5 CR 1 LAT: 41 54.1 N LONG:124 17.9 W
 3 JUL 1981 0842 GMT PROBE 2567 DEPTH 42M
 7.6 KM FROM SHORE

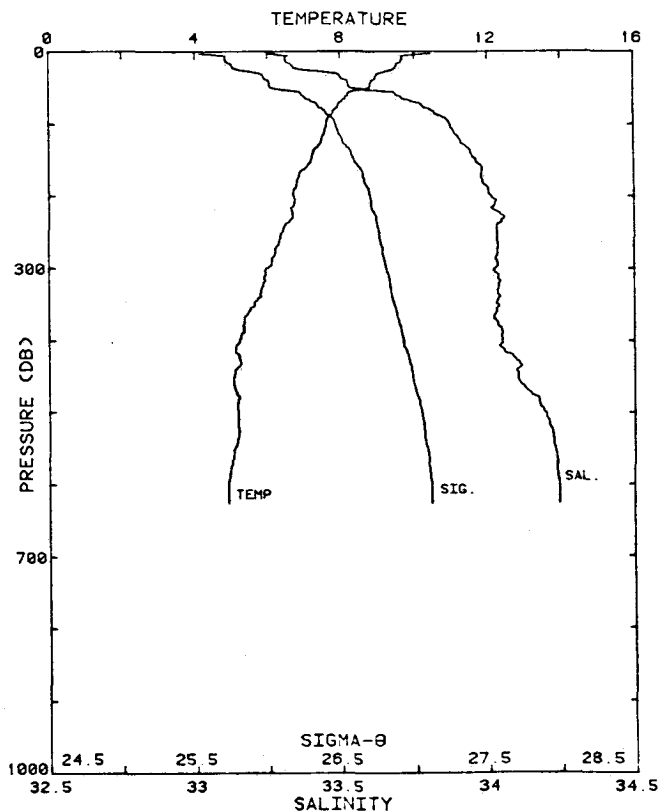
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.944	33.530	9.944	25.834	217.4	0.002
10	9.021	33.618	9.020	26.054	196.7	0.021
20	8.807	33.656	8.805	26.118	190.8	0.040
30	8.241	33.800	8.238	26.317	172.0	0.058
37	7.673	33.874	7.669	26.459	158.7	0.070

STA NO 6 CR 4 LAT: 41 54.0 N LONG:124 36.1 W
 3 JUL 1981 1036 GMT PROBE 2567 DEPTH 495M
 33.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.117	33.194	10.117	25.544	245.0	0.002
10	7.887	33.271	9.886	25.643	235.8	0.024
20	9.787	33.284	9.785	25.669	233.4	0.047
30	9.681	33.288	9.678	25.690	231.5	0.071
40	8.960	33.485	8.956	25.960	206.1	0.092
50	8.877	33.505	8.872	25.989	203.6	0.113
60	8.691	33.553	8.685	26.056	197.4	0.133
70	8.173	33.684	8.166	26.237	180.3	0.152
80	7.860	33.793	7.852	26.369	168.0	0.169
90	7.774	33.828	7.766	26.409	164.3	0.185
100	7.695	33.848	7.686	26.436	161.9	0.202
110	7.564	33.909	7.554	26.503	155.7	0.218
120	7.521	33.921	7.509	26.519	154.4	0.233
130	7.289	33.922	7.277	26.553	151.2	0.248
140	7.164	33.939	7.151	26.583	148.5	0.263
150	7.034	33.948	7.020	26.609	146.2	0.278
175	6.699	33.977	6.683	26.677	140.0	0.314
200	6.597	33.999	6.579	26.708	137.4	0.348
225	6.561	34.037	6.541	26.743	134.5	0.382
250	6.397	34.046	6.375	26.773	132.0	0.416
300	6.097	34.092	6.071	26.848	125.4	0.480
400	6.079	34.129	6.044	26.880	123.7	0.605
486	5.854	34.150	5.812	26.926	120.4	0.710



STATION 6 CR 4



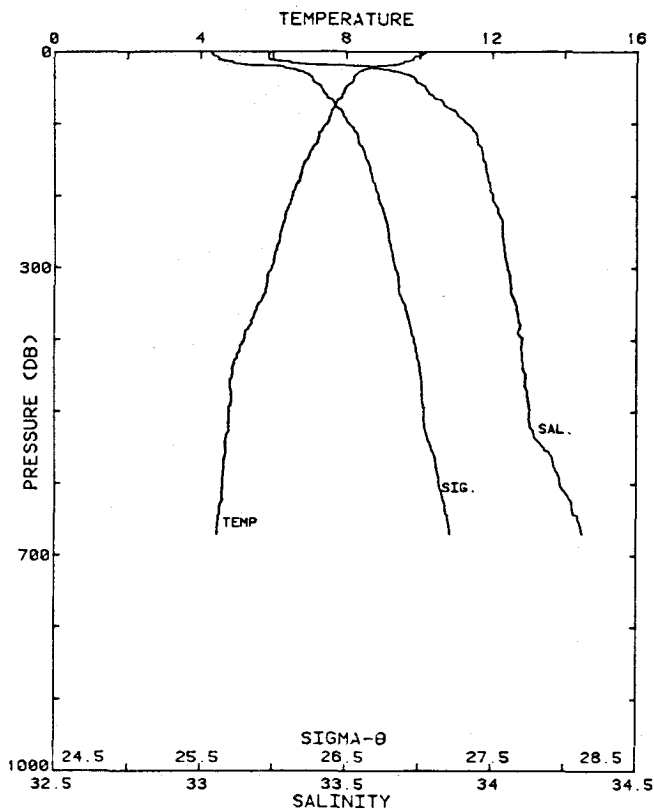
STATION 7 CR 5

STA NO 7 CR 5 LAT: 41 54.0 N LONG:124 42.0 W
 3 JUL 1981 1147 GMT PROBE 2567 DEPTH 645M
 40.7 KM FROM SHORE

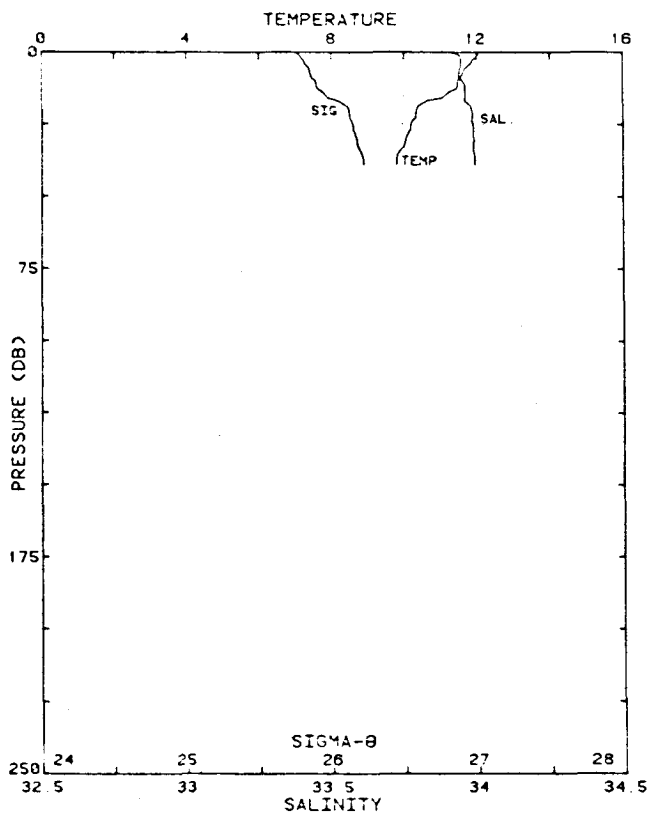
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
3	10.469	33.254	10.469	25.531	246.3	0.007
10	9.690	33.310	9.689	25.706	229.3	0.024
20	9.498	33.338	9.496	25.759	224.9	0.046
30	9.043	33.479	9.039	25.942	207.7	0.068
40	8.858	33.526	8.854	26.008	201.6	0.089
50	8.787	33.534	8.782	26.026	200.1	0.109
60	8.214	33.689	8.208	26.235	180.4	0.128
70	8.007	33.754	8.000	26.316	172.8	0.145
80	7.840	33.806	7.832	26.382	166.7	0.162
90	7.695	33.848	7.686	26.436	161.7	0.179
100	7.615	33.874	7.605	26.469	158.8	0.195
110	7.568	33.887	7.558	26.485	157.4	0.211
120	7.489	33.905	7.477	26.511	155.1	0.226
130	7.390	33.927	7.377	26.542	152.3	0.242
140	7.245	33.945	7.232	26.577	149.1	0.257
150	7.192	33.961	7.178	26.597	147.4	0.272
175	6.849	33.981	6.833	26.660	141.7	0.308
200	6.724	34.015	6.706	26.705	137.8	0.342
225	6.685	34.045	6.664	26.733	135.5	0.377
250	6.403	34.031	6.386	26.759	133.2	0.410
300	5.979	34.025	5.954	26.810	128.9	0.476
400	5.205	34.048	5.173	26.923	118.8	0.600
500	5.171	34.197	5.131	27.045	108.5	0.713
600	4.904	34.243	4.857	27.113	102.9	0.819
626	4.902	34.244	4.852	27.114	103.1	0.846

STA NO 8 CR 6 LAT: 41 54.1 N LONG:124 48.1 W
 3 JUL 1981 1259 GMT PROBE 2567 DEPTH 687M
 49.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.143	33.232	10.143	25.569	242.6	0.005
10	9.824	33.236	9.823	25.626	237.4	0.024
20	8.873	33.563	8.870	26.034	198.7	0.047
30	8.322	33.692	8.319	26.220	181.2	0.066
40	8.195	33.739	8.191	26.276	176.1	0.083
50	7.994	33.773	7.989	26.333	170.9	0.101
60	7.902	33.794	7.896	26.363	168.2	0.118
70	7.743	33.833	7.736	26.417	163.2	0.134
80	7.651	33.856	7.644	26.449	160.4	0.151
90	7.574	33.887	7.565	26.484	157.2	0.166
100	7.484	33.916	7.475	26.520	153.9	0.182
110	7.345	33.936	7.335	26.556	150.7	0.197
120	7.247	33.950	7.236	26.580	148.5	0.212
130	7.154	33.956	7.142	26.598	146.9	0.227
140	7.029	33.967	7.016	26.624	144.6	0.241
150	6.957	33.971	6.943	26.638	143.4	0.256
175	6.748	33.986	6.732	26.678	139.9	0.291
200	6.534	34.004	6.517	26.721	136.2	0.326
225	6.341	34.023	6.321	26.761	132.6	0.359
250	6.207	34.036	6.186	26.789	130.3	0.392
300	5.964	34.052	5.939	26.833	126.7	0.456
400	5.210	34.104	5.178	26.967	114.7	0.577
500	4.795	34.129	4.756	27.034	109.1	0.688
600	4.610	34.235	4.564	27.140	100.0	0.793
671	4.458	34.315	4.406	27.220	93.0	0.861



STATION 8 CR 6



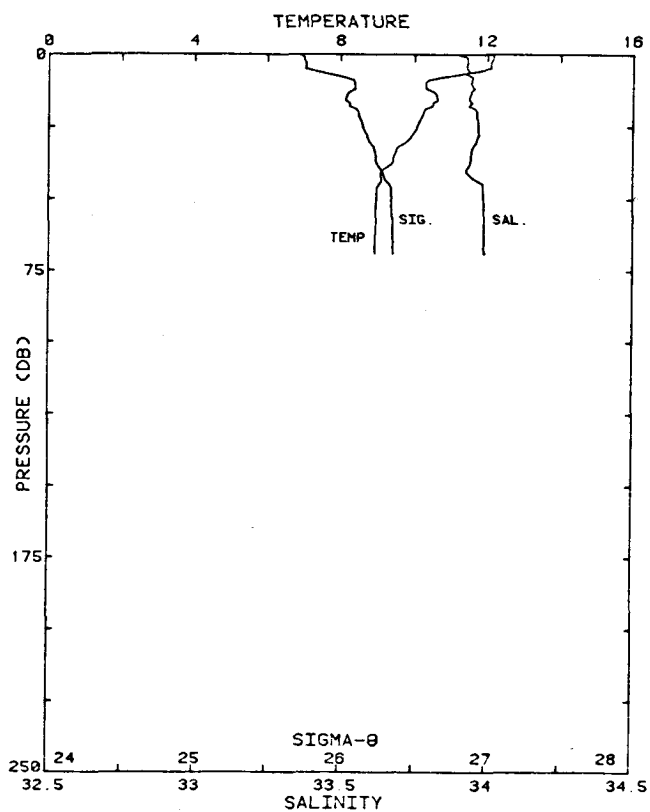
STATION 9 COC 1

STA NO 9 COC1 LAT: 38 39.8 N LONG:123 25.6 W
 4 JUL 1981 1952 GMT PROBE 2567 DEPTH 42M
 0.9 KM FROM SHORE

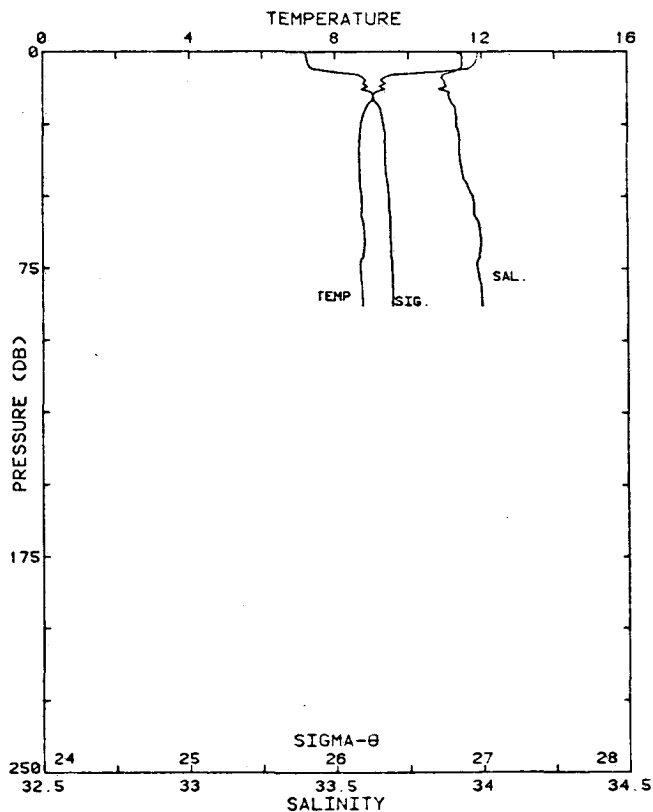
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.053	33.907	12.053	25.750	225.4	0.000
10	11.476	33.950	11.475	25.891	212.2	0.022
20	10.343	33.982	10.340	26.119	190.7	0.042
30	10.059	33.989	10.056	26.173	185.8	0.061
39	9.776	33.994	9.772	26.222	181.4	0.078

STA NO 10 COC2 LAT: 38 33.8 N LONG:123 26.9 W
 4 JUL 1981 2041 GMT PROBE 2567 DEPTH 74M
 3.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.165	33.895	12.165	25.719	228.3	0.000
10	10.312	33.946	10.311	26.096	192.7	0.022
20	10.253	33.965	10.250	26.121	190.5	0.041
30	9.829	33.966	9.825	26.194	183.8	0.060
40	9.161	33.931	9.156	26.277	176.1	0.078
50	8.989	33.989	8.984	26.350	169.4	0.095
60	8.959	33.991	8.953	26.356	169.0	0.112
69	8.945	33.993	8.937	26.360	168.8	0.127



STATION 10 COC 2



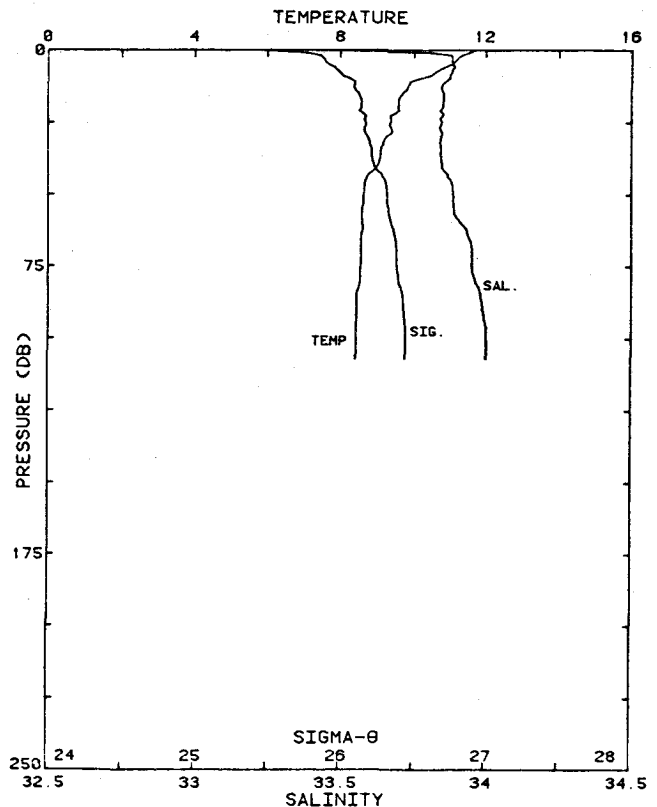
STATION 11 COC 3

STA NO 11 COC3 LAT: 38 37.4 N LONG:123 28.7 W
 4 JUL 1981 2139 GMT PROBE 2567 DEPTH 92M
 7.4 KM FROM SHORE

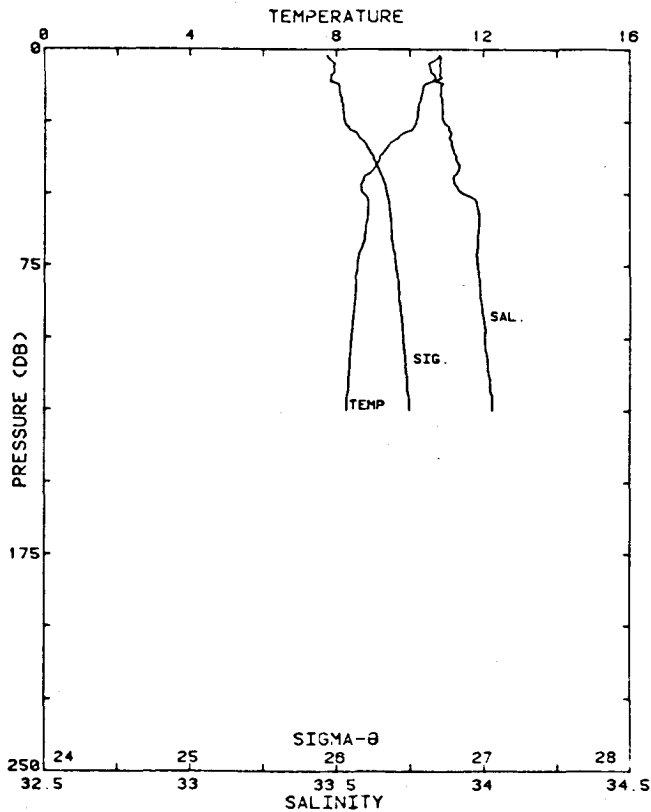
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	11.915	33.911	11.915	25.779	222.6	0.000
10	9.263	33.874	9.262	26.215	181.4	0.021
20	8.838	33.914	8.836	26.314	172.1	0.039
30	8.688	33.926	8.685	26.347	169.2	0.056
40	8.698	33.934	8.694	26.352	169.0	0.073
50	8.751	33.972	8.746	26.373	167.1	0.089
60	8.800	33.992	8.793	26.382	166.5	0.106
70	8.795	33.993	8.787	26.384	166.6	0.123
80	8.737	33.995	8.729	26.395	165.7	0.139
88	8.768	34.002	8.758	26.395	165.8	0.153

STA NO 12 COC4 LAT: 38 36.3 N LONG:123 30.9 W
 4 JUL 1981 2213 GMT PROBE 2567 DEPTH 111M
 10.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	11.750	33.358	11.750	25.381	260.4	0.000
10	10.170	33.874	10.169	26.064	195.7	0.021
20	9.579	33.852	9.577	26.147	188.1	0.040
30	9.277	33.845	9.274	26.190	184.1	0.059
40	9.031	33.849	9.027	26.233	180.2	0.077
50	8.657	33.888	8.652	26.323	171.9	0.094
60	8.618	33.915	8.612	26.350	169.5	0.112
70	8.578	33.954	8.571	26.387	166.2	0.128
80	8.548	33.965	8.540	26.400	165.1	0.145
90	8.457	33.991	8.448	26.435	162.1	0.161
100	8.435	34.004	8.425	26.449	160.9	0.177
107	8.435	34.005	8.424	26.449	161.0	0.189



STATION 12 COC 4

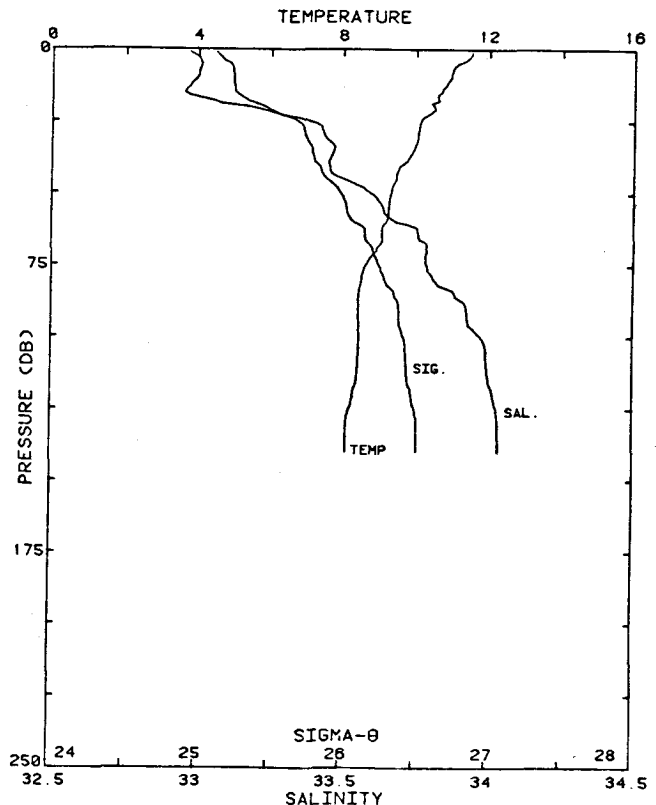


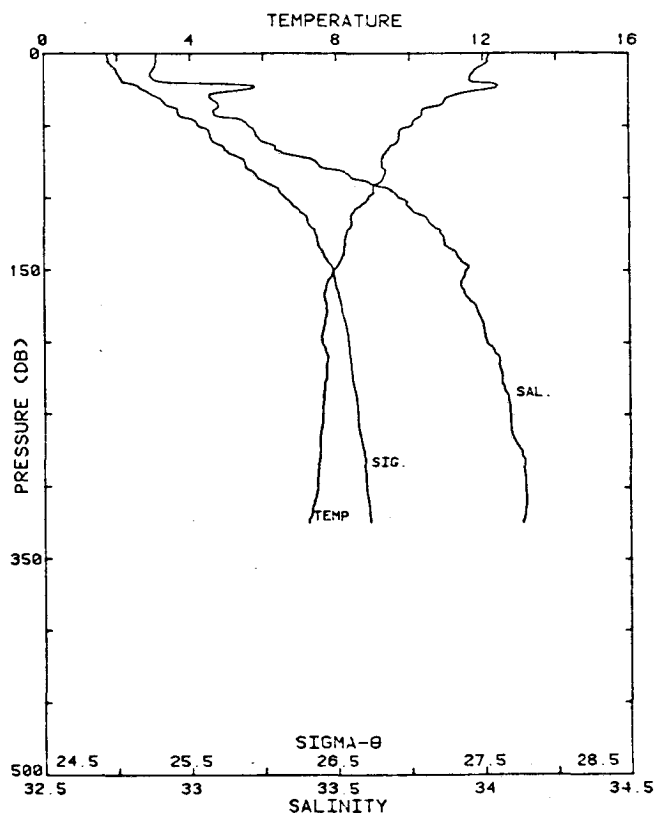
STA NO 13 COC5 LAT: 38 34.6 N LONG:123 33.3 W
 4 JUL 1981 2248 GMT PROBE 2567 DEPTH 137M
 15.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	10.806	33.852	10.806	25.936	207.7	0.004
10	10.692	33.857	10.691	25.960	205.6	0.021
20	10.220	33.859	10.218	26.044	197.8	0.041
30	9.727	33.886	9.723	26.149	189.1	0.060
40	9.097	33.916	9.093	26.275	176.3	0.078
50	8.721	33.928	8.716	26.344	169.7	0.096
60	8.813	33.985	8.807	26.375	167.2	0.112
70	8.653	33.978	8.646	26.394	165.6	0.129
80	8.526	33.986	8.518	26.420	163.3	0.145
90	8.470	33.995	8.461	26.436	162.0	0.162
100	8.400	34.004	8.389	26.454	160.4	0.178
110	8.346	34.015	8.335	26.471	159.0	0.194
120	8.274	34.030	8.262	26.493	157.0	0.210
125	8.258	34.031	8.246	26.497	156.8	0.217

STA NO 14 COC6 LAT: 38 32.7 N LONG:123 36.2 W
 4 JUL 1981 2337 GMT PROBE 2567 DEPTH 149M
 20.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.526	32.969	11.526	25.121	285.2	0.003
10	10.974	32.995	10.973	25.240	274.0	0.028
20	10.520	33.164	10.518	25.452	254.1	0.055
30	10.064	33.434	10.061	25.741	226.8	0.078
40	9.634	33.454	9.630	25.827	218.8	0.101
50	9.322	33.597	9.316	25.990	203.6	0.122
60	9.194	33.685	9.187	26.080	195.2	0.142
70	8.930	33.794	8.923	26.206	183.4	0.161
80	8.527	33.816	8.519	26.287	175.9	0.178
90	8.453	33.927	8.444	26.335	166.7	0.195
100	8.475	33.976	8.465	26.420	163.6	0.212
110	8.449	33.997	8.437	26.441	161.8	0.228
120	8.314	34.020	8.301	26.480	158.3	0.244
130	8.140	34.038	8.127	26.520	154.6	0.260
140	8.137	34.039	8.123	26.522	154.7	0.275





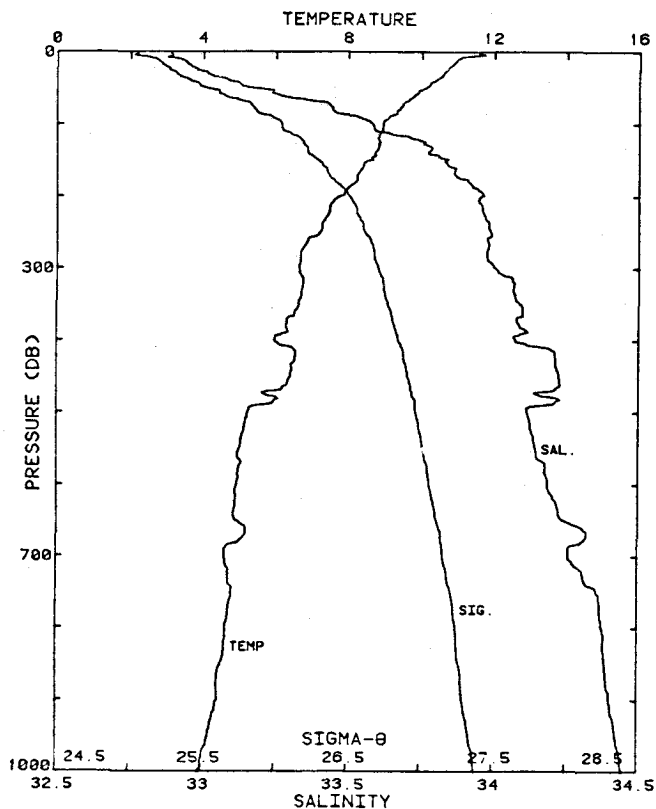
STATION 15 COC 7

STA NO 15 COC7 LAT: 38 30.3 N LONG:123 39.6 W
5 JUL 1981 0021 GMT PROBE 2567 DEPTH 334M
27.7 KM FROM SHORE

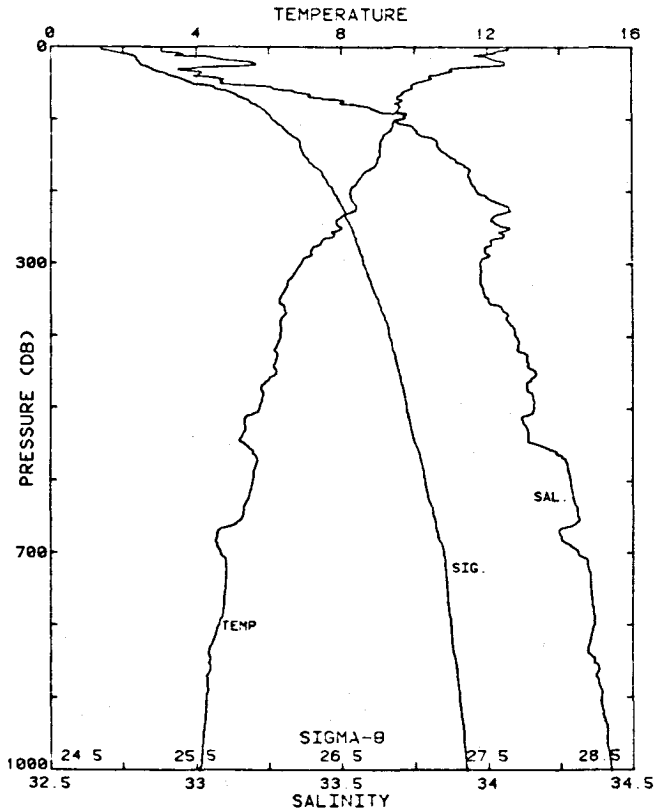
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.178	32.884	12.178	24.934	303.0	0.003
10	11.864	32.874	11.862	24.986	298.3	0.030
20	11.748	32.919	11.745	25.042	293.2	0.060
30	11.078	33.066	11.075	25.273	270.9	0.088
40	10.350	33.080	10.346	25.416	257.9	0.114
50	10.067	33.201	10.062	25.558	244.6	0.139
60	9.700	33.239	9.694	25.649	236.2	0.163
70	9.304	33.342	9.296	25.795	222.5	0.186
80	9.307	33.468	9.299	25.892	213.5	0.208
90	9.146	33.618	9.136	26.036	200.0	0.228
100	8.874	33.712	8.863	26.152	189.1	0.248
110	8.458	33.763	8.447	26.257	179.3	0.266
120	8.370	33.833	8.358	26.325	173.0	0.284
130	8.239	33.869	8.226	26.373	168.3	0.301
140	8.176	33.913	8.162	26.417	164.6	0.317
150	7.936	33.942	7.921	26.476	159.1	0.334
175	7.722	33.975	7.705	26.533	154.1	0.373
200	7.605	34.013	7.585	26.580	150.0	0.411
225	7.701	34.064	7.679	26.607	148.0	0.448
250	7.599	34.092	7.575	26.643	144.9	0.484
300	7.465	34.143	7.436	26.703	140.0	0.556
325	7.222	34.135	7.191	26.732	137.6	0.590

STA NO 16 COC8 LAT: 38 27.1 N LONG:123 44.5 W
5 JUL 1981 0129 GMT PROBE 2567 DEPTH 1153M
37.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.580	32.888	11.580	25.048	292.1	0.006
10	10.994	32.923	10.993	25.181	279.7	0.029
20	10.801	32.956	10.799	25.241	274.2	0.057
30	10.610	33.017	10.606	25.322	266.7	0.084
40	10.387	33.092	10.382	25.419	257.7	0.110
50	10.129	33.159	10.124	25.515	248.8	0.135
60	9.818	33.259	9.811	25.646	236.5	0.159
70	9.546	33.416	9.538	25.813	220.8	0.182
80	9.408	33.447	9.400	25.860	216.6	0.204
90	9.129	33.533	9.120	25.972	206.1	0.226
100	8.958	33.584	8.948	26.039	199.9	0.246
110	8.943	33.594	8.931	26.049	199.1	0.266
120	8.813	33.717	8.800	26.166	188.1	0.285
130	8.843	33.772	8.829	26.204	184.8	0.304
140	8.735	33.774	8.720	26.223	183.1	0.322
150	8.609	33.833	8.593	26.293	176.7	0.340
175	8.239	33.882	8.221	26.384	168.4	0.383
200	7.803	33.962	7.784	26.511	156.6	0.423
225	7.470	33.965	7.448	26.562	152.0	0.462
250	7.233	33.990	7.210	26.616	147.3	0.499
300	6.648	34.005	6.620	26.708	139.0	0.570
400	5.978	34.074	5.944	26.849	126.5	0.703
500	5.271	34.115	5.231	26.969	115.8	0.824
600	4.964	34.186	4.917	27.062	107.9	0.936
800	4.659	34.377	4.596	27.249	92.1	1.135
1000	3.922	34.449	3.847	27.385	79.7	1.309
1001	3.921	34.449	3.846	27.386	79.6	1.310



STATION 16 COC 8



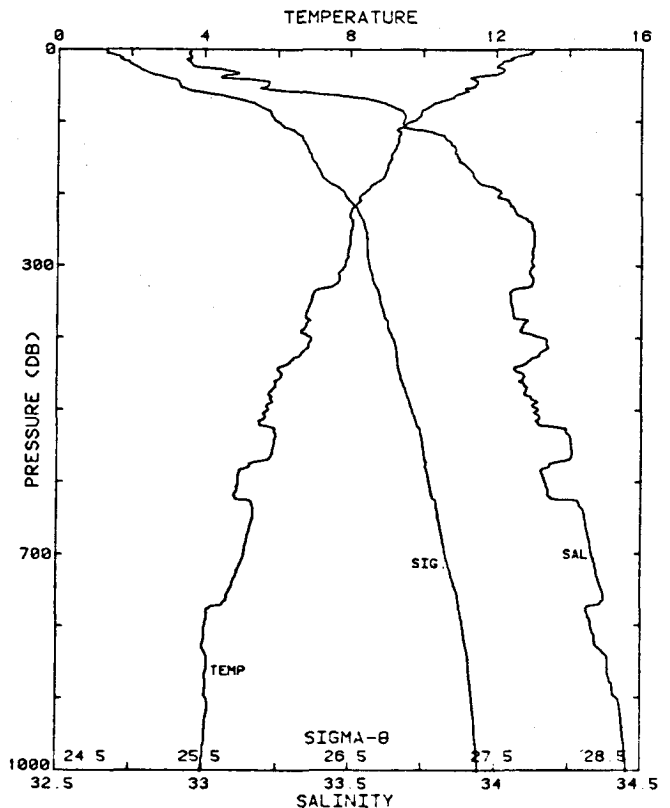
STATION 17 COC 9

STA NO 17 COC9 LAT: 38 24.0 N LONG:123 49.2 W
 5 JUL 1981 0251 GMT PROBE 2567 DEPTH 1662M
 46.2 KM FROM SHORE

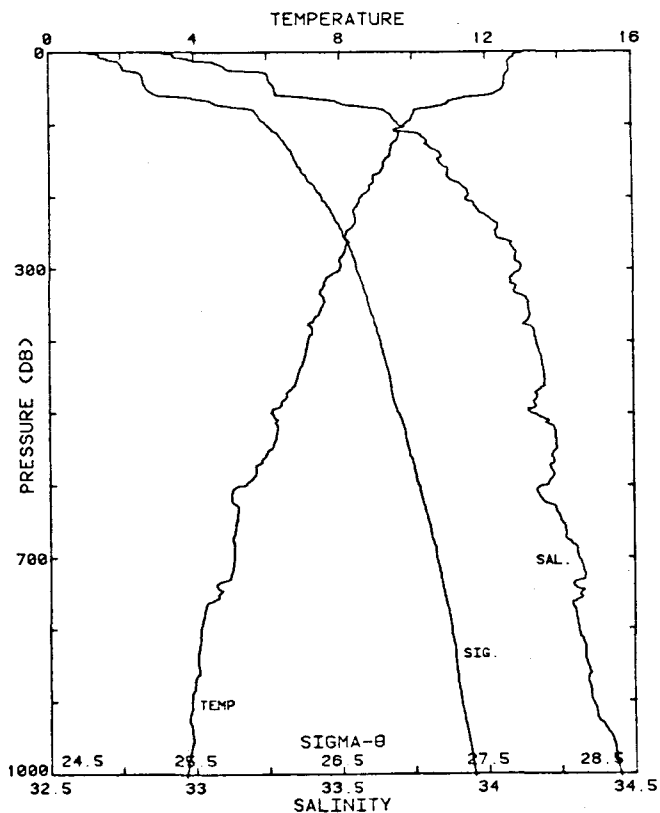
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	12.598	32.881	12.598	24.851	310.9	0.006
10	12.034	32.952	12.033	25.014	295.6	0.031
20	12.371	33.148	12.368	25.102	287.5	0.060
30	11.004	32.941	11.000	25.194	278.9	0.088
40	10.431	32.989	10.427	25.332	266.0	0.115
50	10.071	33.083	10.065	25.466	253.4	0.141
60	9.829	33.298	9.823	25.674	233.9	0.165
70	9.532	33.404	9.524	25.806	221.5	0.188
80	9.571	33.543	9.562	25.908	212.0	0.210
90	9.539	33.631	9.530	25.982	205.2	0.231
100	9.686	33.708	9.675	26.018	202.1	0.251
110	9.397	33.737	9.385	26.088	195.5	0.271
120	9.210	33.757	9.197	26.134	191.3	0.290
130	9.074	33.823	9.060	26.208	184.5	0.309
140	9.047	33.833	9.033	26.220	183.5	0.327
150	9.060	33.863	9.044	26.241	181.7	0.346
175	8.592	33.934	8.574	26.371	169.8	0.390
200	8.243	33.963	8.223	26.447	162.9	0.431
225	8.377	34.075	8.354	26.515	157.0	0.471
250	8.024	34.076	7.999	26.569	152.2	0.510
300	6.894	33.973	6.866	26.649	144.7	0.584
400	6.296	34.096	6.261	26.827	129.0	0.720
500	5.746	34.160	5.704	26.947	118.4	0.843
600	5.558	34.289	5.507	27.073	107.7	0.956
800	4.629	34.370	4.566	27.247	92.2	1.152
1000	4.076	34.426	4.000	27.351	83.2	1.327
1002	4.075	34.426	3.999	27.352	83.2	1.329

STA NO 18 COC10 LAT: 38 20.8 N LONG:123 54.5 W
 5 JUL 1981 0407 GMT PROBE 2567 DEPTH 2498M
 55.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.983	32.951	12.982	24.830	312.9	0.003
10	12.541	32.954	12.540	24.919	304.6	0.031
20	12.160	32.955	12.157	24.993	297.9	0.061
30	12.206	33.085	12.202	25.085	289.3	0.091
40	11.276	33.063	11.271	25.241	274.7	0.119
50	11.425	33.216	11.419	25.332	266.3	0.146
60	11.094	33.344	11.087	25.492	251.3	0.172
70	10.629	33.569	10.620	25.749	227.1	0.196
80	10.182	33.647	10.173	25.866	214.2	0.218
90	9.955	33.687	9.945	25.957	207.7	0.239
100	9.732	33.688	9.721	25.995	204.2	0.259
110	9.317	33.700	9.305	26.072	197.0	0.280
120	9.346	33.824	9.333	26.165	188.4	0.299
130	9.329	33.848	9.315	26.186	186.6	0.318
140	9.215	33.863	9.200	26.216	183.9	0.336
150	9.136	33.871	9.120	26.235	182.3	0.354
175	8.944	33.923	8.925	26.307	175.9	0.399
200	8.355	34.014	8.335	26.470	160.7	0.441
225	8.049	34.069	8.027	26.560	152.6	0.480
250	8.034	34.128	8.009	26.608	148.5	0.518
300	7.878	34.129	7.848	26.633	147.0	0.592
400	6.933	34.163	6.896	26.795	132.6	0.732
500	5.765	34.146	5.722	26.934	119.7	0.859
600	4.947	34.163	4.899	27.050	109.0	0.972
800	4.042	34.328	3.983	27.275	88.3	1.170
1000	3.954	34.452	3.879	27.384	79.8	1.337
1002	3.947	34.452	3.871	27.385	79.7	1.339



STATION 18 COC 10

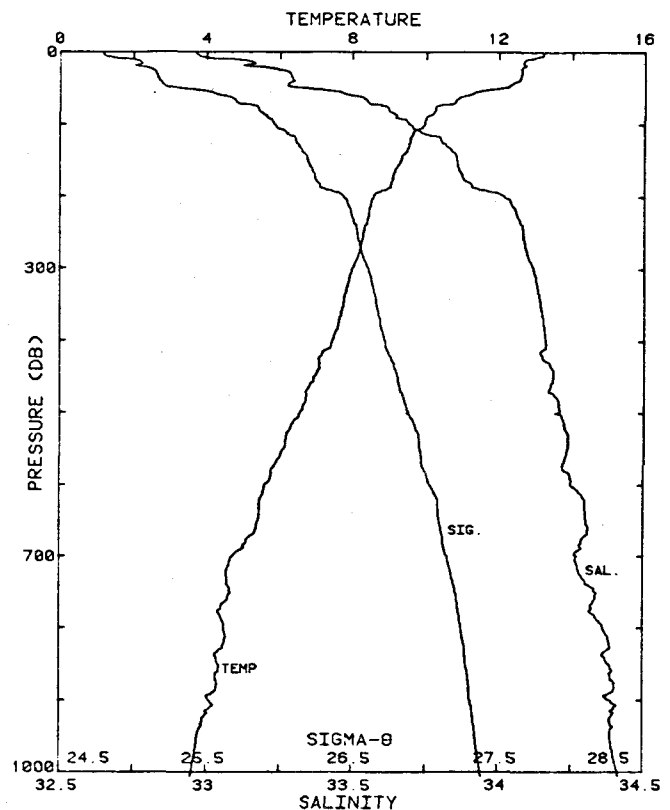


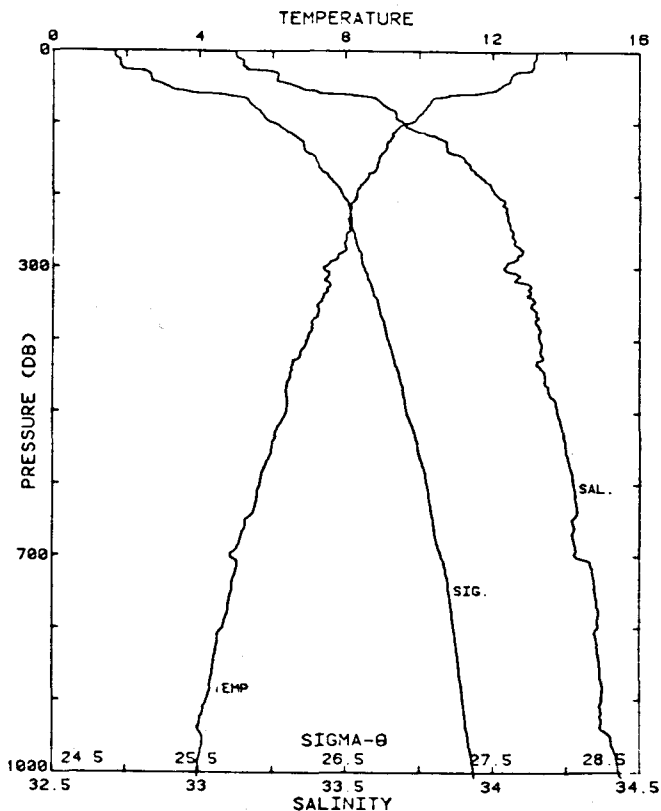
STA NO 19 COC11 LAT: 38 17.6 N LONG:123 59.3 W
5 JUL 1981 0525 GMT PROBE 2567 DEPTH 3412M
65.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.035	32.893	13.035	24.775	318.1	0.003
10	12.714	32.970	12.713	24.898	306.6	0.031
20	12.655	33.102	12.652	25.012	296.1	0.061
30	12.585	33.250	12.581	25.140	284.1	0.090
40	12.529	33.258	12.523	25.157	282.7	0.119
50	12.491	33.276	12.485	25.178	281.0	0.147
60	12.105	33.285	12.098	25.259	273.5	0.175
70	10.979	33.495	10.970	25.629	238.5	0.200
80	10.074	33.649	10.065	25.907	212.2	0.223
90	9.988	33.681	9.977	25.946	208.6	0.244
100	9.784	33.702	9.773	25.997	204.1	0.264
110	9.526	33.705	9.514	26.043	199.9	0.284
120	9.593	33.795	9.580	26.102	194.5	0.304
130	9.427	33.807	9.412	26.138	191.2	0.323
140	9.388	33.845	9.373	26.175	187.9	0.342
150	9.253	33.842	9.237	26.194	186.3	0.361
175	8.922	33.877	8.903	26.275	179.0	0.407
200	8.577	33.936	8.556	26.375	169.9	0.450
225	8.395	33.997	8.372	26.451	163.1	0.492
250	8.162	34.032	8.137	26.514	157.4	0.532
300	7.971	34.117	7.941	26.610	149.2	0.608
400	7.116	34.171	7.078	26.776	134.5	0.750
500	6.078	34.152	6.034	26.900	123.3	0.879
600	5.332	34.205	5.283	27.034	111.0	0.997
800	4.146	34.312	4.086	27.252	90.7	1.197
1000	3.736	34.448	3.662	27.403	77.5	1.366
1003	3.729	34.450	3.655	27.406	77.3	1.368

STA NO 20 COC12 LAT: 38 14.3 N LONG:124 4.3 W
5 JUL 1981 0644 GMT PROBE 2567 DEPTH 3559M
74.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.201	32.964	13.201	24.797	316.0	0.003
10	12.757	33.089	12.756	24.981	298.7	0.031
20	12.696	33.150	12.694	25.041	293.3	0.061
30	12.612	33.284	12.608	25.161	282.1	0.089
40	12.532	33.299	12.528	25.188	279.8	0.117
50	12.022	33.343	12.015	25.320	267.5	0.145
60	11.147	33.493	11.140	25.597	241.3	0.170
70	10.781	33.553	10.773	25.709	230.8	0.193
80	10.247	33.621	10.238	25.856	217.1	0.216
90	10.013	33.647	10.004	25.915	211.6	0.237
100	9.966	33.693	9.955	25.960	207.6	0.258
110	9.673	33.728	9.661	26.036	200.5	0.279
120	9.581	33.800	9.567	26.108	193.9	0.298
130	9.532	33.820	9.518	26.132	191.8	0.318
140	9.432	33.849	9.416	26.171	188.3	0.337
150	9.317	33.857	9.301	26.196	186.1	0.355
175	9.100	33.878	9.081	26.247	181.7	0.401
200	8.572	34.019	8.551	26.441	163.6	0.445
225	8.442	34.061	8.419	26.494	159.0	0.485
250	8.297	34.084	8.271	26.534	155.6	0.524
300	7.989	34.119	7.959	26.608	149.4	0.601
400	7.459	34.162	7.421	26.720	140.1	0.746
500	6.562	34.200	6.516	26.875	126.2	0.879
600	5.626	34.250	5.575	27.034	111.4	0.997
800	4.509	34.361	4.447	27.252	91.4	1.197
1000	3.627	34.411	3.554	27.385	78.9	1.368
1006	3.595	34.416	3.522	27.392	78.2	1.372





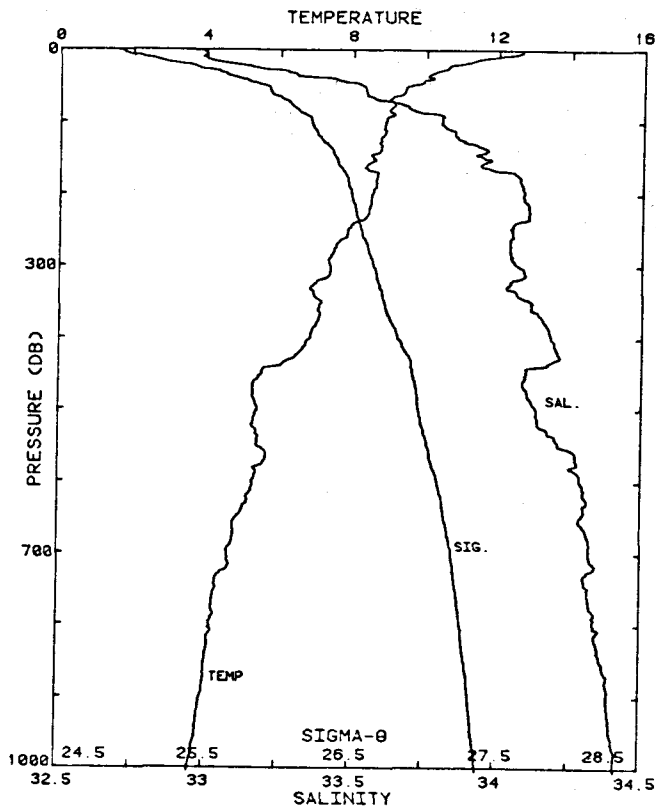
STATION 21 COC 13

STA NO 21 COC 13 LAT: 38 7.9 N LONG:124 14.3 W
 5 JUL 1981 0838 GMT PROBE 2567 DEPTH 2988M
 93.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.191	33.124	13.191	24.923	304.1	0.003
10	13.175	33.131	13.174	24.931	303.5	0.030
20	13.120	33.149	13.117	24.957	301.3	0.061
30	12.587	33.261	12.583	25.148	283.4	0.090
40	12.476	33.265	12.471	25.173	281.2	0.118
50	12.179	33.338	12.173	25.286	270.7	0.146
60	11.112	33.426	11.104	25.552	245.6	0.172
70	10.321	33.614	10.313	25.837	218.6	0.195
80	10.188	33.645	10.178	25.885	214.3	0.216
90	9.978	33.671	9.968	25.940	209.3	0.238
100	9.753	33.696	9.742	25.998	203.9	0.258
110	9.378	33.732	9.366	26.087	195.6	0.278
120	9.278	33.811	9.265	26.165	188.4	0.297
130	9.133	33.844	9.117	26.215	183.8	0.316
140	9.057	33.849	9.042	26.231	182.6	0.334
150	8.919	33.906	8.904	26.297	176.4	0.352
175	8.630	33.963	8.612	26.387	168.3	0.396
200	8.298	34.013	8.278	26.478	160.0	0.436
225	8.116	34.049	8.093	26.534	155.1	0.476
250	8.120	34.069	8.095	26.550	154.1	0.514
300	7.406	34.037	7.377	26.629	147.0	0.589
400	6.958	34.160	6.920	26.789	133.1	0.729
500	6.398	34.221	6.344	26.914	122.3	0.856
600	5.654	34.277	5.603	27.052	109.8	0.971
800	4.651	34.362	4.588	27.238	93.1	1.173
1000	3.965	34.433	3.890	27.369	81.3	1.348
1006	3.958	34.438	3.882	27.373	80.9	1.353

STA NO 22 COC14 LAT: 38 1.3 N LONG:124 23.8 W
 5 JUL 1981 1028 GMT PROBE 2567 DEPTH 3851M
 111.0 KM FROM SHORE

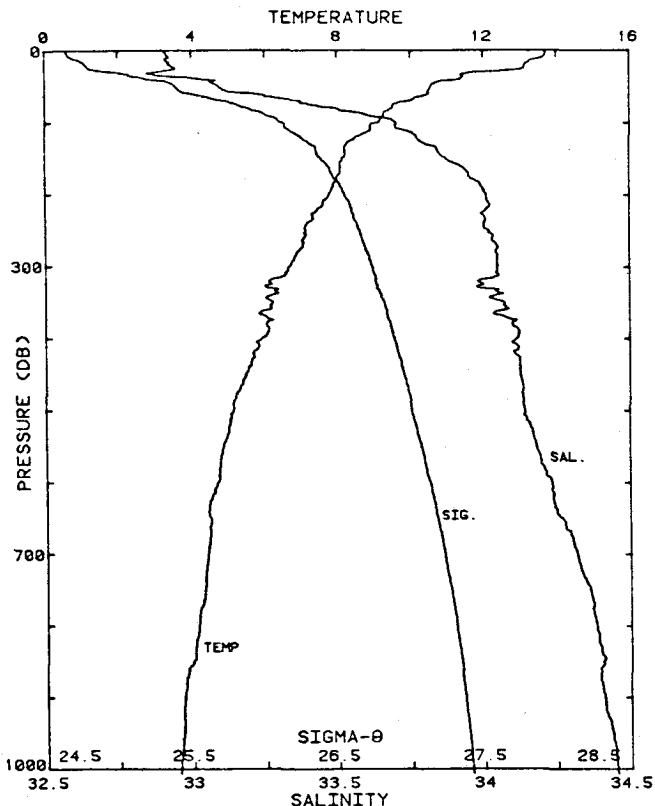
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.602	32.887	12.601	24.855	310.5	0.000
10	11.915	32.983	11.914	25.061	291.2	0.030
20	10.845	33.093	10.842	25.340	264.8	0.058
30	10.282	33.277	10.279	25.581	242.1	0.083
40	10.173	33.437	10.169	25.724	228.7	0.107
50	9.530	33.533	9.525	25.906	211.5	0.129
60	9.390	33.547	9.384	25.940	208.5	0.150
70	9.011	33.598	9.004	26.041	199.1	0.170
80	9.080	33.692	9.072	26.104	193.3	0.190
90	9.125	33.805	9.115	26.185	185.8	0.209
100	8.909	33.807	8.898	26.221	182.6	0.227
110	8.866	33.832	8.854	26.247	180.3	0.245
120	8.790	33.858	8.778	26.280	177.4	0.263
130	8.748	33.913	8.735	26.329	172.9	0.281
140	8.747	33.962	8.733	26.368	169.4	0.298
150	8.568	33.956	8.553	26.391	167.4	0.315
175	8.671	34.070	8.653	26.465	160.9	0.356
200	8.551	34.089	8.531	26.499	158.1	0.396
225	8.458	34.109	8.435	26.529	155.7	0.435
250	7.895	34.050	7.871	26.568	152.2	0.474
300	7.439	34.074	7.410	26.653	144.7	0.548
400	6.876	34.185	6.839	26.820	130.2	0.686
500	5.434	34.135	5.393	26.966	116.3	0.806
600	5.311	34.289	5.262	27.103	104.5	0.917
800	4.168	34.336	4.108	27.269	89.1	1.109
1000	3.631	34.416	3.558	27.388	78.7	1.277
1005	3.627	34.416	3.554	27.389	78.6	1.281



STATION 22 COC 14

STA NO 23 COC15 LAT: 37 51.7 N LONG:124 38.2 W
 5 JUL 1981 1252 GMT PROBE 2567 DEPTH 3968M
 138.6 KM FROM SHORE

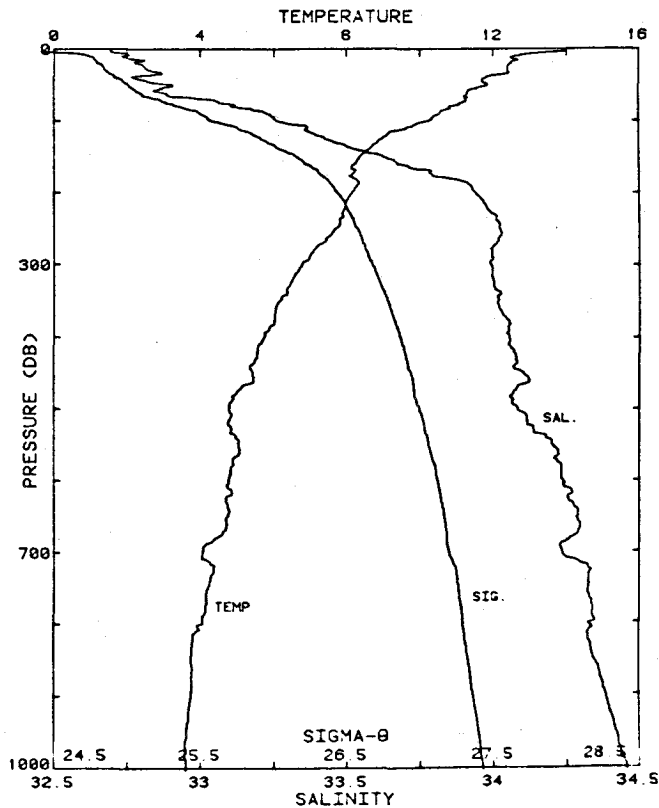
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.718	32.909	13.717	24.650	330.0	0.007
10	13.636	32.923	13.634	24.678	327.6	0.033
20	13.126	32.921	13.124	24.779	318.2	0.065
30	11.886	32.877	11.883	24.984	298.9	0.096
40	11.385	33.041	11.380	25.203	278.3	0.125
50	10.561	33.095	10.555	25.392	260.5	0.152
60	10.503	33.200	10.496	25.484	252.0	0.178
70	9.924	33.372	9.916	25.716	230.1	0.202
80	9.496	33.493	9.487	25.881	214.5	0.224
90	9.255	33.606	9.245	26.008	202.6	0.245
100	9.097	33.702	9.087	26.109	193.3	0.264
110	8.898	33.720	8.886	26.161	188.4	0.283
120	8.517	33.770	8.504	26.253	179.8	0.302
130	8.262	33.806	8.249	26.320	173.6	0.319
140	8.220	33.848	8.206	26.359	170.1	0.337
150	8.147	33.877	8.132	26.393	167.0	0.353
175	8.001	33.953	7.984	26.475	159.6	0.394
200	7.773	34.010	7.754	26.554	152.6	0.433
225	7.338	33.995	7.317	26.604	148.0	0.471
250	7.123	34.017	7.100	26.652	143.8	0.507
300	6.657	34.047	6.630	26.740	136.0	0.577
400	5.919	34.111	5.885	26.887	123.0	0.707
500	5.129	34.141	5.089	27.006	112.2	0.824
600	4.684	34.233	4.637	27.130	101.0	0.930
800	4.127	34.380	4.067	27.308	85.4	1.116
1000	3.625	34.448	3.552	27.414	76.2	1.276
1006	3.614	34.451	3.541	27.418	75.9	1.280



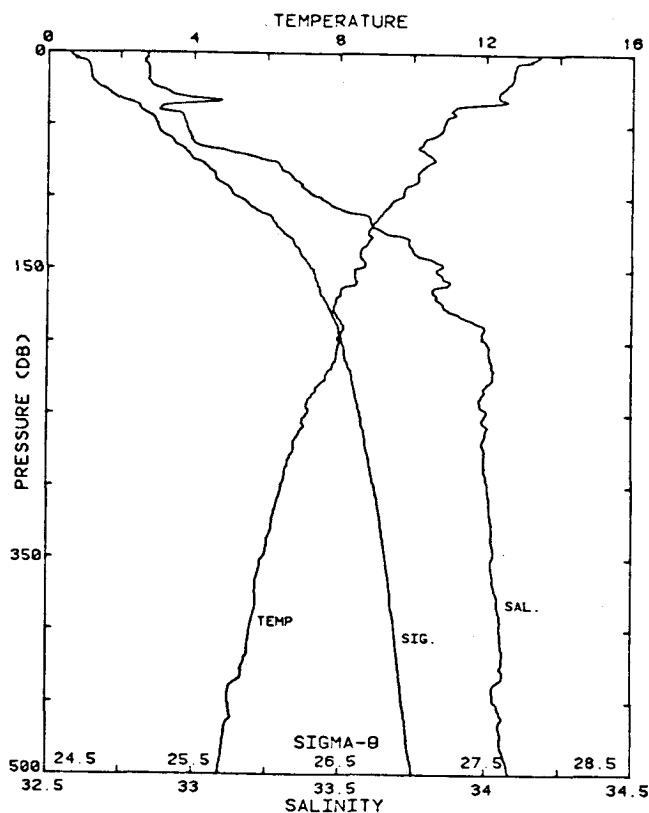
STATION 23 COC 15

STA NO 24 COC16 LAT: 37 42.0 N LONG:124 53.0 W
 5 JUL 1981 1520 GMT PROBE 2567 DEPTH 4052M
 166.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.009	32.693	14.009	24.425	351.5	0.004
10	12.678	32.744	12.677	24.730	322.6	0.034
20	12.499	32.779	12.496	24.792	317.0	0.066
30	12.388	32.828	12.384	24.851	311.6	0.097
40	11.795	32.775	11.790	24.922	305.0	0.128
50	11.860	32.906	11.854	25.012	296.8	0.158
60	11.294	32.860	11.287	25.080	290.5	0.187
70	11.225	33.026	11.217	25.221	277.3	0.216
80	10.840	33.106	10.830	25.352	265.0	0.243
90	10.549	33.232	10.539	25.501	251.0	0.269
100	10.264	33.262	10.252	25.573	244.3	0.294
110	9.641	33.368	9.629	25.760	226.6	0.317
120	9.100	33.398	9.087	25.871	216.2	0.339
130	8.850	33.459	8.837	25.959	208.0	0.360
140	8.600	33.534	8.585	26.056	198.9	0.381
150	8.376	33.625	8.361	26.162	189.0	0.400
175	8.145	33.794	8.127	26.329	173.6	0.445
200	8.158	33.939	8.138	26.440	163.5	0.487
225	7.925	33.986	7.903	26.513	157.0	0.527
250	7.712	34.023	7.688	26.574	151.6	0.566
300	6.797	33.992	6.769	26.677	142.0	0.639
400	5.737	34.055	5.703	26.865	124.8	0.772
500	4.808	34.086	4.769	26.999	112.4	0.890
600	4.793	34.235	4.751	27.119	102.2	0.998
800	4.046	34.345	3.986	27.288	87.1	1.186
1000	3.593	34.458	3.521	27.425	75.1	1.347
1003	3.594	34.459	3.521	27.426	75.1	1.350



STATION 24 COC 16



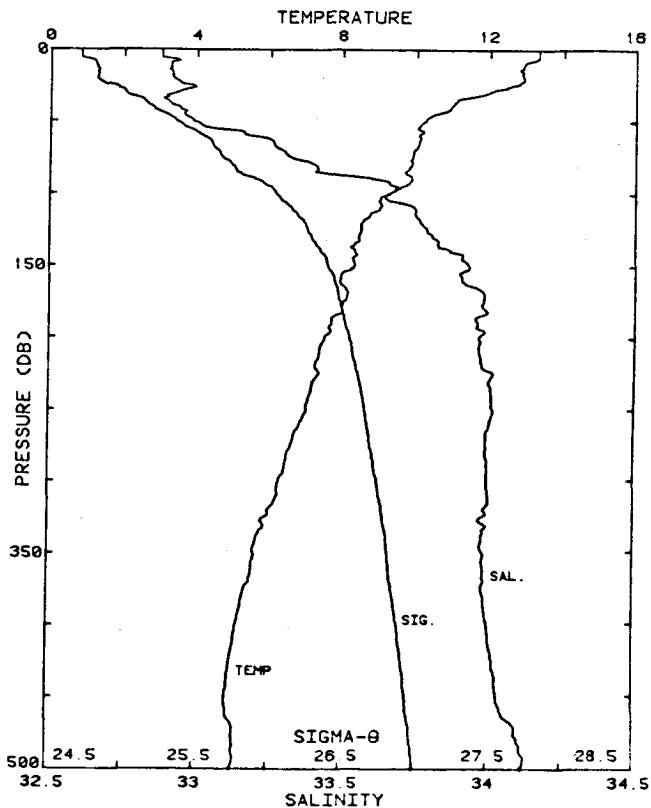
STATION 25 OFS 1

STA NO 25 OFS 1 LAT: 37 48.0 N LONG:124 55.0 W
 5 JUL 1981 1700 GMT PROBE 2567 DEPTH 4079M

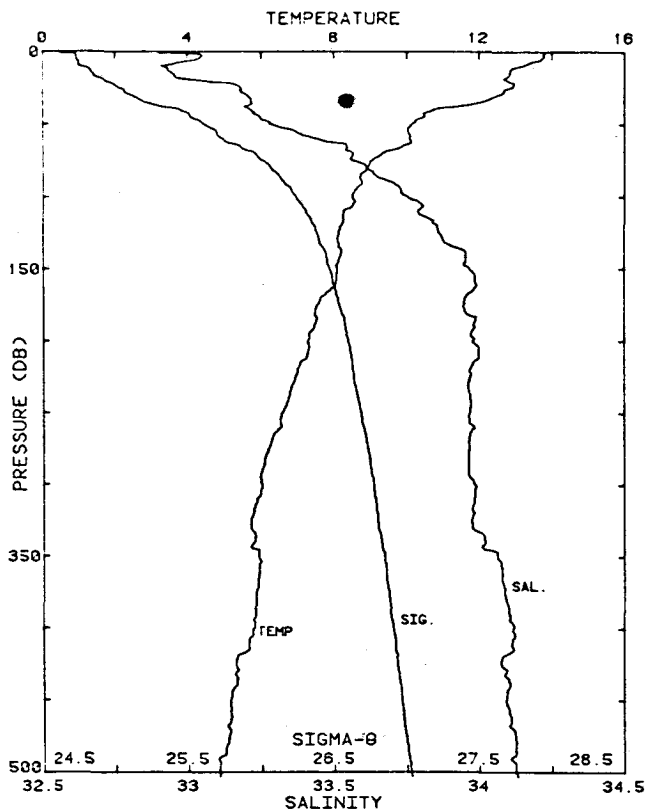
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.449	32.838	13.449	24.650	330.0	0.003
10	12.790	32.845	12.788	24.786	317.3	0.032
20	12.672	32.847	12.670	24.811	315.2	0.064
30	12.344	32.951	12.340	24.955	301.7	0.095
40	11.036	32.881	11.032	25.142	284.1	0.124
50	10.834	32.974	10.828	25.250	274.1	0.152
60	10.327	32.988	10.320	25.349	264.7	0.179
70	10.458	33.173	10.450	25.470	253.5	0.205
80	10.255	33.301	10.246	25.605	240.9	0.230
90	10.056	33.367	10.045	25.690	233.0	0.253
100	9.678	33.436	9.667	25.807	222.0	0.276
110	9.196	33.525	9.184	25.955	208.1	0.297
120	8.904	33.613	8.891	26.071	197.2	0.317
130	8.817	33.740	8.803	26.183	186.7	0.337
140	8.580	33.767	8.566	26.241	181.4	0.355
150	8.414	33.832	8.399	26.318	174.2	0.373
175	7.856	33.855	7.838	26.420	164.9	0.415
200	7.995	34.004	7.975	26.517	156.2	0.455
225	7.612	34.024	7.590	26.588	149.7	0.494
250	7.085	34.001	7.062	26.645	144.4	0.531
300	6.404	34.008	6.378	26.742	135.6	0.601
400	5.567	34.052	5.534	26.883	122.9	0.729
500	4.717	34.084	4.679	27.008	111.5	0.847

STA NO 26 OFS 2 LAT: 37 53.5 N LONG:124 57.0 W
 5 JUL 1981 1805 GMT PROBE 2567 DEPTH 3982M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.319	32.879	13.318	24.708	324.5	0.003
10	12.931	32.911	12.929	24.810	315.0	0.032
20	12.932	32.921	12.930	24.818	314.5	0.064
30	11.968	32.934	11.965	25.013	296.2	0.094
40	10.961	32.940	10.956	25.201	278.5	0.123
50	10.251	32.988	10.245	25.362	263.4	0.150
60	10.063	33.182	10.057	25.545	246.1	0.175
70	9.956	33.293	9.949	25.649	236.5	0.199
80	9.894	33.407	9.885	25.749	227.2	0.223
90	9.890	33.612	9.880	25.909	212.2	0.245
100	9.274	33.661	9.263	26.049	199.0	0.265
110	9.015	33.747	9.003	26.157	188.9	0.285
120	8.557	33.767	8.544	26.245	180.6	0.303
130	8.465	33.810	8.452	26.293	176.3	0.321
140	8.357	33.872	8.343	26.358	170.3	0.338
150	8.357	33.935	8.342	26.407	165.8	0.355
175	8.052	33.984	8.035	26.492	158.1	0.395
200	7.532	33.967	7.513	26.555	152.4	0.434
225	7.389	34.017	7.368	26.615	147.1	0.472
250	7.047	34.017	7.024	26.662	142.3	0.508
300	6.299	33.998	6.273	26.748	135.0	0.577
400	5.172	34.003	5.140	26.871	121.8	0.706
500	5.034	34.121	4.995	27.001	112.5	0.823
501	5.038	34.122	4.998	27.001	112.5	0.824



STATION 26 OFS 2



STATION 27 OFS 3

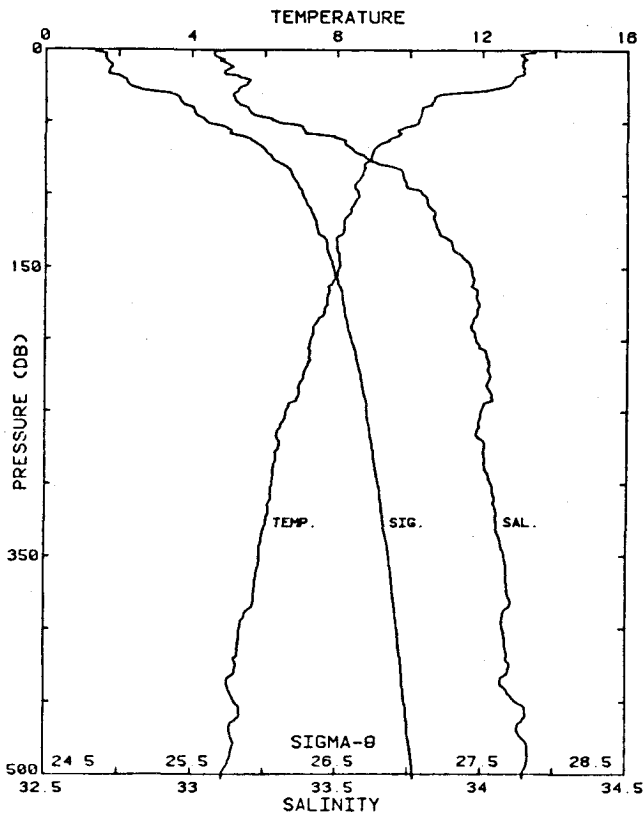
STA NO 27 OFS 3 LAT: 37 59.0 N LONG:124 58.4 W
 5 JUL 1981 1910 GMT PROBE 2567 DEPTH 3991M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.816	32.902	13.816	24.625	332.4	0.003
10	13.173	32.912	13.172	24.763	319.5	0.032
20	12.766	33.035	12.763	24.938	303.1	0.063
30	12.555	33.202	12.551	25.109	287.1	0.093
40	10.755	33.216	10.750	25.452	254.6	0.120
50	10.150	33.278	10.144	25.605	240.3	0.145
60	10.083	33.434	10.076	25.737	227.9	0.168
70	9.364	33.568	9.357	25.961	206.7	0.190
80	8.930	33.613	8.922	26.066	196.9	0.210
90	8.774	33.698	8.765	26.157	188.4	0.230
100	8.509	33.749	8.498	26.238	180.9	0.248
110	8.259	33.788	8.248	26.306	174.5	0.266
120	8.229	33.857	8.217	26.365	169.1	0.283
130	8.110	33.878	8.097	26.399	166.1	0.300
140	8.197	33.956	8.183	26.447	161.7	0.316
150	8.087	33.966	8.072	26.472	159.5	0.332
175	7.554	33.949	7.537	26.537	153.6	0.371
200	7.286	33.979	7.267	26.599	148.1	0.409
225	6.943	33.970	6.922	26.640	144.5	0.446
250	6.585	33.968	6.563	26.686	140.3	0.481
300	6.010	33.985	5.984	26.774	132.3	0.549
400	5.806	34.120	5.773	26.908	120.9	0.676
500	4.839	34.128	4.800	27.028	109.7	0.791
503	4.834	34.132	4.795	27.033	109.3	0.794

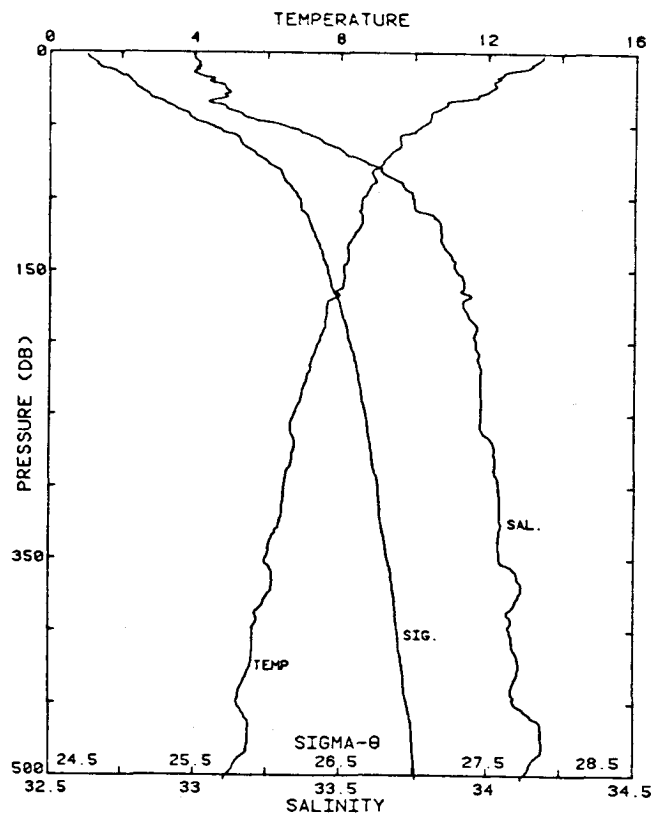
STA NO 28 OFS 4 LAT: 38 5.0 N LONG:125 1.0 W
 5 JUL 1981 2022 GMT PROBE 2567 DEPTH 3895M
 147.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	13.491	33.017	13.491	24.780	317.6	0.000
10	13.084	33.125	13.083	24.945	302.2	0.031
20	12.880	33.183	12.877	25.030	294.3	0.061
30	11.106	33.143	11.102	25.332	265.7	0.090
40	10.310	33.191	10.306	25.509	249.1	0.115
50	10.219	33.288	10.214	25.601	240.6	0.140
60	9.632	33.488	9.625	25.855	216.6	0.163
70	9.003	33.558	8.996	26.011	202.0	0.183
80	8.757	33.674	8.749	26.140	189.8	0.203
90	8.610	33.731	8.601	26.208	183.6	0.222
100	8.573	33.791	8.563	26.261	178.7	0.240
110	8.377	33.822	8.366	26.315	173.8	0.257
120	8.186	33.838	8.174	26.356	170.0	0.275
130	7.988	33.874	7.975	26.414	164.6	0.292
140	8.026	33.911	8.012	26.438	162.6	0.308
150	8.053	33.962	8.043	26.473	159.4	0.324
175	7.729	33.989	7.712	26.543	153.1	0.363
200	7.276	33.980	7.257	26.601	147.9	0.401
225	7.079	34.030	7.058	26.668	141.9	0.437
250	6.598	33.998	6.576	26.708	138.2	0.472
300	6.218	34.034	6.192	26.787	131.2	0.539
400	5.365	34.077	5.332	26.927	118.7	0.664
500	4.880	34.146	4.841	27.039	108.7	0.778
503	4.873	34.147	4.834	27.040	108.7	0.781

LINEAR INTERPOLATION 53-58DB



STATION 28 OFS 4



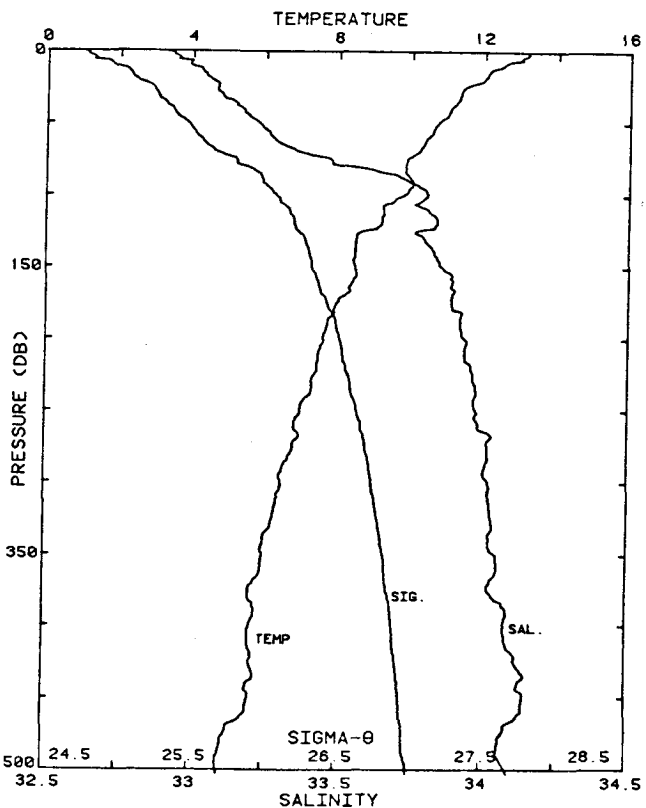
STATION 29 OFS 5

STA NO 29 OFS 5 LAT: 38 10.5 N LONG:125 3.0 W
 5 JUL 1981 2126 GMT PROBE 2567 DEPTH 3888M

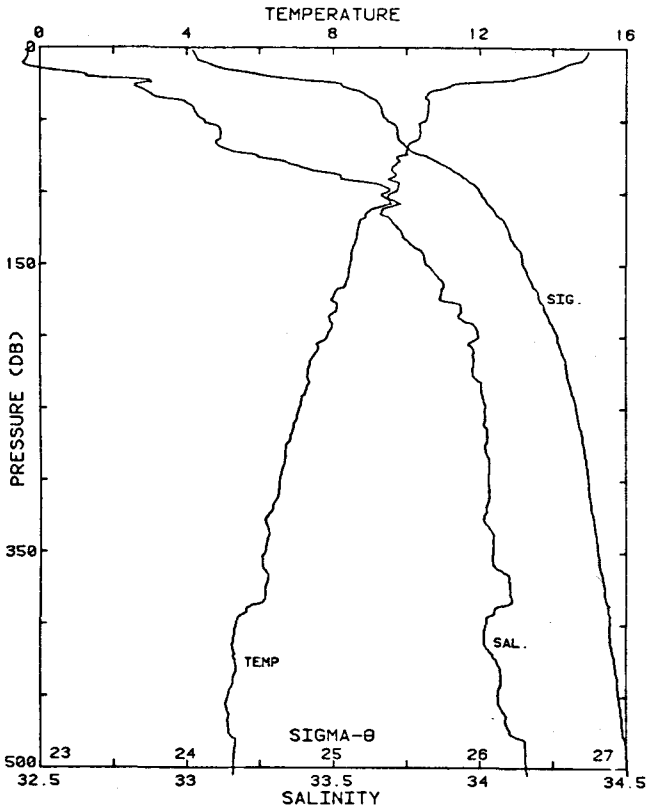
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.483	32.992	13.483	24.762	319.4	0.006
10	13.107	33.021	13.105	24.860	310.2	0.032
20	12.137	33.050	12.134	25.071	290.4	0.061
30	11.719	33.109	11.715	25.195	278.9	0.090
40	10.585	33.128	10.581	25.413	258.3	0.117
50	10.254	33.298	10.248	25.603	240.4	0.142
60	9.611	33.431	9.604	25.814	220.5	0.165
70	9.345	33.518	9.337	25.925	210.1	0.186
80	9.012	33.640	9.004	26.074	196.2	0.207
90	8.972	33.711	8.962	26.135	190.5	0.226
100	8.647	33.743	8.636	26.212	183.4	0.245
110	8.529	33.767	8.518	26.249	180.0	0.263
120	8.554	33.843	8.542	26.304	175.0	0.281
130	8.298	33.843	8.285	26.344	171.4	0.298
140	8.228	33.875	8.213	26.380	168.1	0.315
150	8.094	33.893	8.077	26.414	165.0	0.332
175	7.638	33.917	7.621	26.500	157.2	0.372
200	7.421	33.963	7.402	26.567	151.2	0.410
225	7.075	33.978	7.054	26.627	145.7	0.447
250	6.737	33.980	6.714	26.675	141.4	0.483
300	6.460	34.040	6.433	26.760	133.9	0.552
400	5.644	34.080	5.611	26.896	121.8	0.681
500	4.902	34.128	4.863	27.021	110.4	0.757
503	4.850	34.118	4.811	27.020	110.5	0.800

STA NO 30 OFS 6 LAT: 38 16.2 N LONG:125 4.6 W
 5 JUL 1981 2233 GMT PROBE 2567 DEPTH 3848M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	13.145	32.882	13.145	24.745	321.0	0.000
10	12.499	32.990	12.498	24.955	301.2	0.031
20	11.958	33.065	11.956	25.116	286.1	0.060
30	11.340	33.101	11.337	25.257	272.9	0.088
40	11.055	33.172	11.050	25.364	262.9	0.115
50	10.718	33.227	10.712	25.467	253.4	0.141
60	10.444	33.274	10.437	25.551	245.6	0.166
70	10.184	33.372	10.176	25.673	234.2	0.190
80	9.840	33.557	9.831	25.874	215.2	0.212
90	10.047	33.743	10.036	25.985	205.0	0.233
100	9.708	33.808	9.777	26.079	196.3	0.253
110	9.245	33.809	9.233	26.149	187.8	0.272
120	9.186	33.840	9.173	26.203	184.8	0.291
130	8.507	33.796	8.494	26.276	177.9	0.309
140	8.480	33.831	8.465	26.307	175.1	0.327
150	8.436	33.858	8.470	26.327	173.4	0.344
175	7.977	33.891	7.960	26.430	163.9	0.386
200	7.615	33.938	7.596	26.520	155.7	0.426
225	7.366	33.969	7.345	26.580	150.3	0.465
250	7.002	33.979	6.979	26.639	145.0	0.502
300	6.501	34.025	6.474	26.743	135.6	0.571
400	5.682	34.083	5.649	26.894	122.1	0.700
500	4.812	34.092	4.773	27.003	112.0	0.817
503	4.833	34.098	4.794	27.005	111.8	0.821



STATION 30 OFS 6



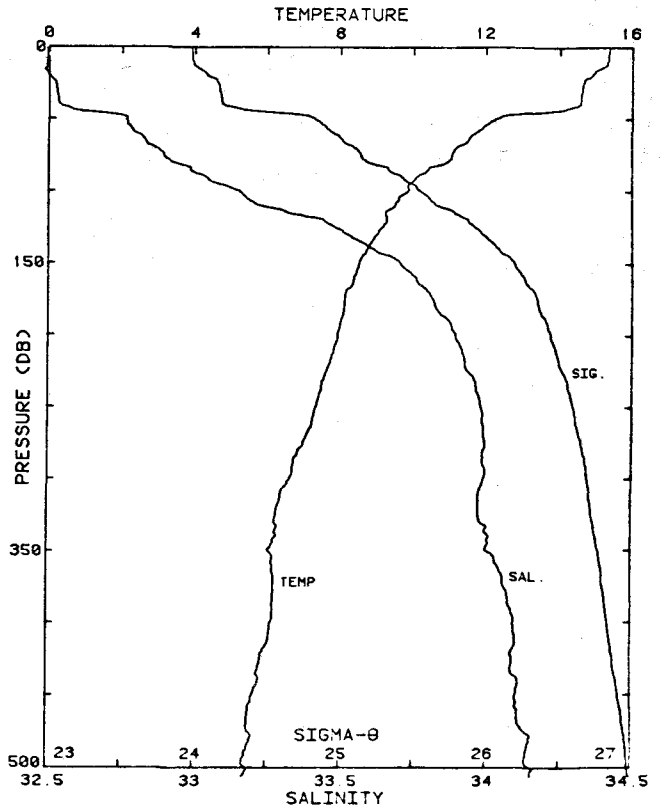
STATION 31 OFS 7

STA NO 31 OFS 7 LAT: 38 22.0 N LONG:125 7.0 W
 5 JUL 1981 2351 GMT PROBE 2567 DEPTH 3815M

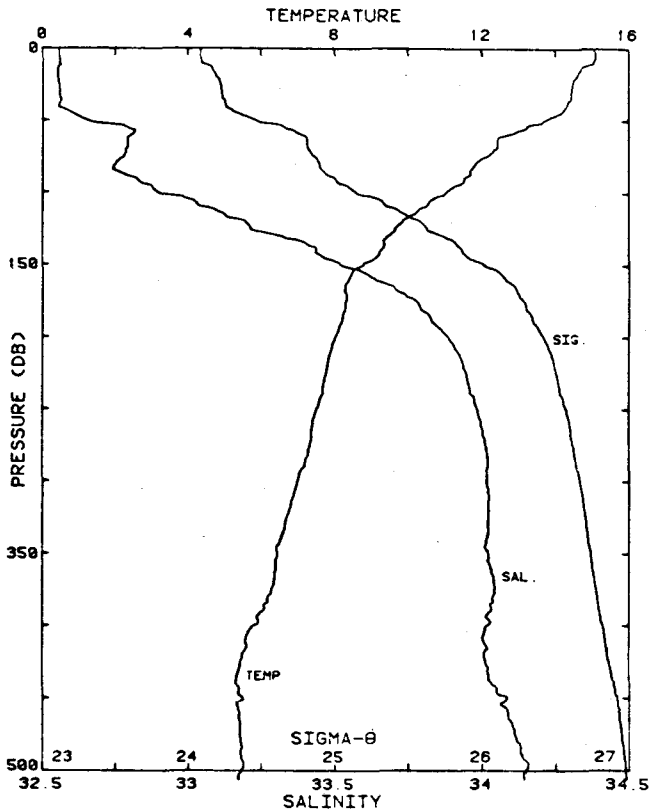
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	14.953	32.449	14.953	24.038	388.3	0.008
10	14.625	32.446	14.624	24.106	382.1	0.039
20	13.217	32.657	13.215	24.557	339.3	0.075
30	10.731	32.857	10.727	25.177	280.5	0.105
40	10.618	33.014	10.613	25.319	267.2	0.133
50	10.544	33.059	10.538	25.367	262.9	0.159
60	10.378	33.115	10.371	25.439	256.2	0.185
70	10.010	33.133	10.002	25.516	249.1	0.210
80	9.731	33.347	9.722	25.729	229.0	0.234
90	9.618	33.527	9.608	25.888	214.1	0.256
100	9.654	33.683	9.643	26.004	203.3	0.277
110	9.309	33.698	9.297	26.072	197.0	0.297
120	8.733	33.700	8.720	26.165	188.2	0.316
130	8.654	33.737	8.640	26.206	184.5	0.335
140	8.524	33.795	8.510	26.272	178.5	0.353
150	8.485	33.819	8.470	26.297	176.2	0.371
175	7.954	33.867	7.937	26.414	165.4	0.414
200	7.837	33.997	7.817	26.534	154.4	0.454
225	7.307	33.979	7.286	26.596	148.8	0.491
250	7.085	34.020	7.061	26.659	143.1	0.528
300	6.547	34.031	6.520	26.741	135.8	0.597
400	5.349	34.021	5.316	26.884	122.6	0.727
500	5.260	34.158	5.219	27.004	112.4	0.844
505	5.253	34.161	5.212	27.008	112.2	0.850

STA NO 32 OFS 8 LAT: 39 27.7 N LONG:125 8.5 W
 6 JUL 1981 0107 GMT PROBE 2567 DEPTH 3756M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	15.402	32.494	15.401	23.975	394.4	0.004
10	15.365	32.492	15.364	23.982	394.0	0.039
20	14.931	32.499	14.928	24.082	384.7	0.078
30	14.637	32.526	14.632	24.165	377.0	0.116
40	14.582	32.534	14.576	24.183	375.6	0.154
50	12.295	32.767	12.289	24.822	314.9	0.189
60	11.729	32.798	11.721	24.952	302.6	0.219
70	11.201	32.864	11.192	25.100	288.7	0.249
80	10.978	32.920	10.968	25.183	281.1	0.278
90	10.139	33.036	10.129	25.419	258.8	0.304
100	9.884	33.153	9.872	25.553	246.2	0.330
110	9.516	33.218	9.504	25.664	235.8	0.354
120	9.285	33.441	9.272	25.876	215.8	0.376
130	9.028	33.523	9.014	25.980	206.0	0.397
140	8.760	33.612	8.745	26.093	195.5	0.417
150	8.532	33.707	8.516	26.202	185.2	0.437
175	8.135	33.822	8.118	26.352	171.4	0.481
200	7.939	33.897	7.919	26.440	163.4	0.523
225	7.626	33.940	7.604	26.520	156.1	0.563
250	7.330	33.984	7.306	26.597	149.1	0.601
300	6.631	33.993	6.604	26.700	139.7	0.673
400	6.111	34.098	6.076	26.852	126.4	0.806
500	5.465	34.154	5.423	26.977	115.3	0.926
506	5.349	34.155	5.308	26.992	113.8	0.933



STATION 32 OFS 8



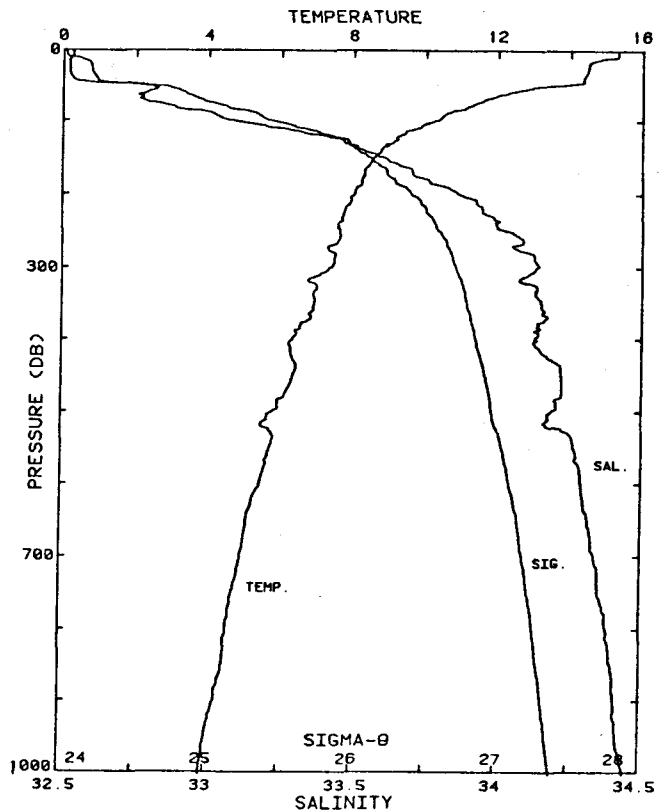
STATION 33 OFS 9

STA NO 33 OFS 9 LAT: 38 34.0 N LONG:125 10.4 W
6 JUL 1981 0233 GMT PROBE 2567 DEPTH 3706M

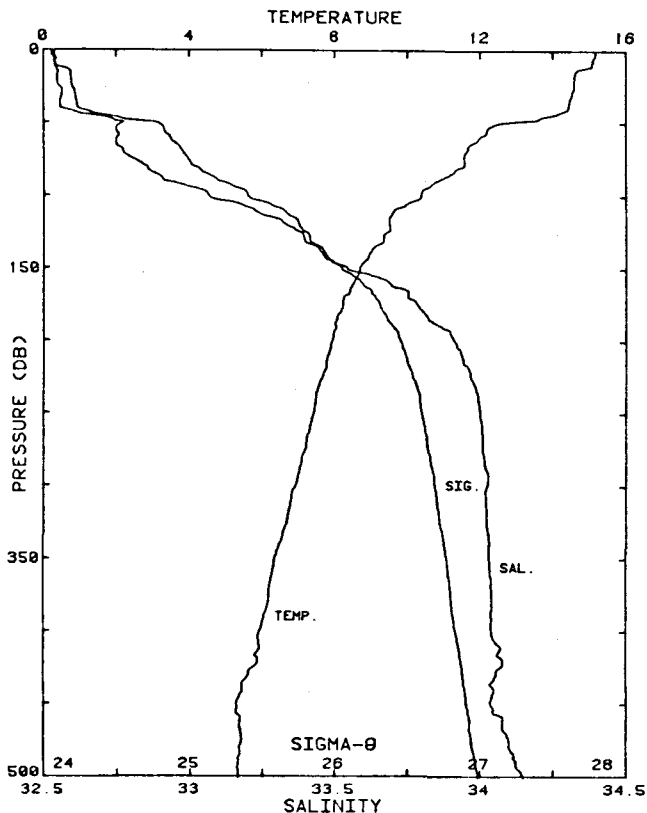
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	15.124	32.557	15.123	24.084	383.9	0.004
10	15.107	32.556	15.106	24.087	383.9	0.038
20	14.613	32.551	14.610	24.190	374.4	0.076
30	14.467	32.558	14.462	24.226	371.3	0.113
40	14.326	32.554	14.320	24.253	369.0	0.150
50	13.695	32.651	13.688	24.458	349.7	0.187
60	12.735	32.807	12.727	24.769	320.2	0.220
70	12.373	32.786	12.364	24.823	315.3	0.251
80	11.838	32.751	11.828	24.876	308.5	0.283
90	11.546	32.817	11.535	25.001	298.7	0.313
100	11.053	32.896	11.041	25.152	284.5	0.342
110	10.501	33.041	10.488	25.361	264.7	0.370
120	9.862	33.193	9.849	25.588	243.3	0.395
130	9.481	33.308	9.467	25.740	228.9	0.419
140	9.296	33.437	9.281	25.871	218.7	0.441
150	8.808	33.521	8.793	26.014	203.2	0.462
175	8.333	33.780	8.316	26.290	177.4	0.509
200	8.025	33.888	8.005	26.421	165.3	0.552
225	7.762	33.948	7.740	26.507	157.5	0.592
250	7.502	33.985	7.478	26.574	151.4	0.631
300	6.980	34.017	6.952	26.672	142.6	0.704
400	5.768	34.017	5.734	26.831	128.1	0.840
500	5.439	34.151	5.398	26.977	115.2	0.961
506	5.365	34.145	5.324	26.982	114.8	0.967

STA NO 34 OFS 10 LAT: 38 39.0 N LONG:125 12.4 W
6 JUL 1981 0333 GMT PROBE 2567 DEPTH 4226M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	15.317	32.532	15.317	24.023	389.8	0.004
10	15.242	32.528	15.241	24.036	388.8	0.039
20	14.506	32.522	14.503	24.190	374.4	0.077
30	14.463	32.522	14.459	24.199	373.8	0.114
40	14.356	32.534	14.350	24.232	371.0	0.151
50	13.398	32.785	13.391	24.621	334.1	0.188
60	12.261	32.785	12.253	24.843	313.1	0.220
70	11.613	32.767	11.604	24.950	303.1	0.250
80	11.151	32.882	11.142	25.123	286.8	0.280
90	10.554	33.015	10.544	25.331	267.1	0.308
100	10.243	33.086	10.231	25.440	257.0	0.334
110	9.772	33.247	9.759	25.644	237.7	0.359
120	9.273	33.402	9.260	25.847	218.5	0.382
130	9.044	33.475	9.030	25.941	209.8	0.403
140	8.758	33.540	8.743	26.036	200.9	0.423
150	8.545	33.613	8.529	26.126	192.4	0.443
175	8.296	33.714	8.278	26.244	181.7	0.490
200	8.031	33.864	8.011	26.401	167.2	0.533
225	7.752	33.947	7.730	26.507	157.4	0.573
250	7.638	34.034	7.613	26.593	149.7	0.611
300	7.392	34.136	7.364	26.709	139.5	0.683
400	6.320	34.131	6.284	26.851	126.7	0.816
500	5.782	34.188	5.739	26.966	116.7	0.937
600	5.455	34.294	5.405	27.090	105.9	1.048
800	4.587	34.386	4.524	27.263	90.5	1.243
1000	3.888	34.449	3.813	27.389	79.2	1.413
1003	3.886	34.449	3.811	27.389	79.2	1.416



STATION 34 OFS 10



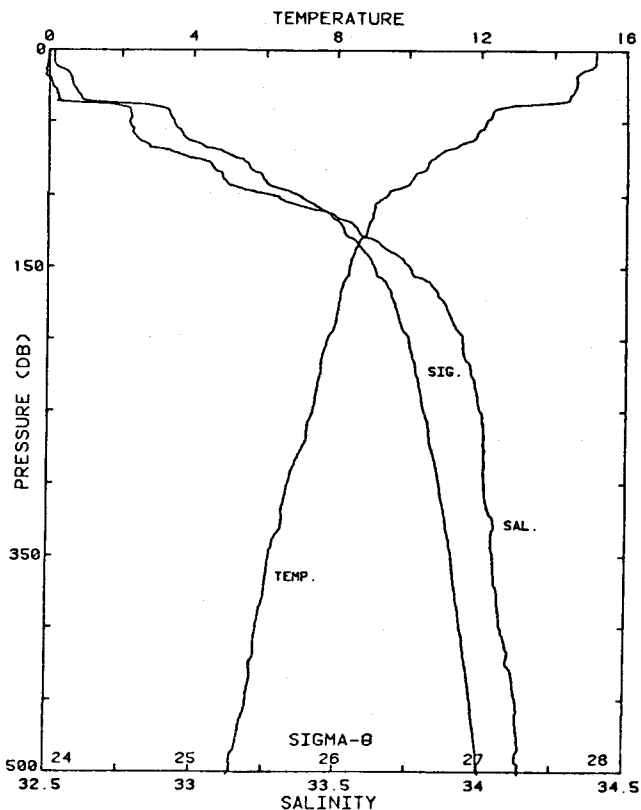
STATION 35 OFS 11

STA NO 35 OFS 11 LAT: 38 35.0 N LONG:125 7.3 W
6 JUL 1981 0514 GHT PROBE 2567 DEPTH 3677M

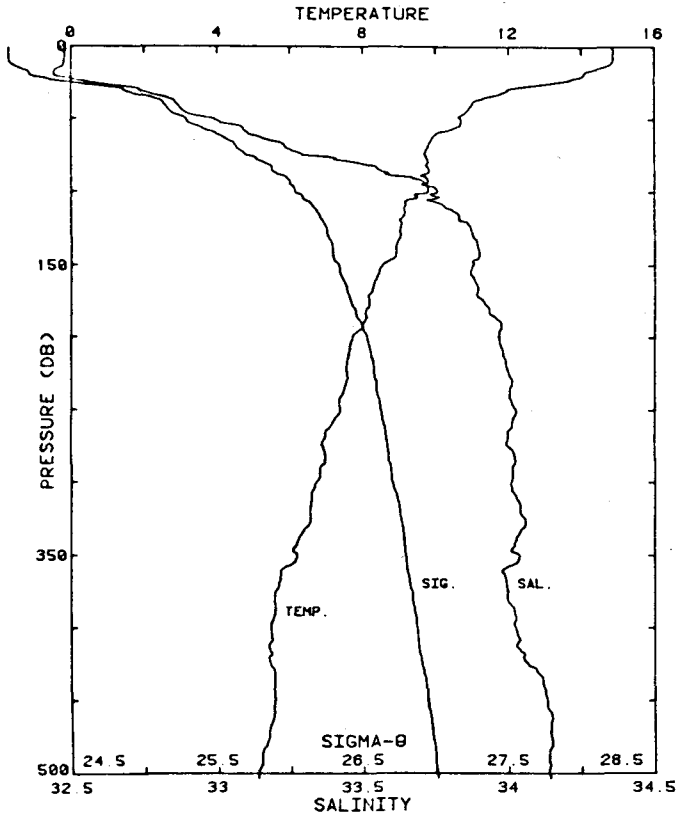
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	15.177	32.537	15.177	24.057	386.5	0.004
10	15.063	32.539	15.062	24.084	384.2	0.039
20	14.592	32.547	14.589	24.191	374.3	0.076
30	14.522	32.563	14.518	24.219	372.0	0.114
40	14.424	32.560	14.419	24.237	370.5	0.151
50	12.601	32.775	12.595	24.770	319.9	0.186
60	11.977	32.751	11.969	24.870	310.5	0.217
70	11.614	32.774	11.605	24.956	302.6	0.248
80	11.511	32.856	11.501	25.038	295.0	0.278
90	10.835	32.912	10.824	25.203	279.4	0.307
100	10.365	33.066	10.353	25.404	260.4	0.333
110	9.646	33.224	9.633	25.647	237.4	0.358
120	9.506	33.329	9.493	25.752	227.6	0.381
130	9.345	33.396	9.331	25.831	220.3	0.404
140	8.964	33.459	8.949	25.941	210.0	0.425
150	8.688	33.543	8.673	26.050	199.7	0.446
175	8.222	33.782	8.205	26.308	175.6	0.492
200	7.932	33.911	7.912	26.453	162.2	0.534
225	7.663	33.966	7.641	26.535	154.7	0.574
250	7.418	33.999	7.394	26.597	149.2	0.612
300	6.914	34.023	6.886	26.686	141.3	0.684
400	5.930	34.038	5.896	26.827	128.6	0.819
500	5.347	34.148	5.306	26.986	114.3	0.940
501	5.337	34.147	5.296	26.987	114.2	0.941

STA NO 36 OFS 12 LAT: 38 31.0 N LONG:125 4.4 W
6 JUL 1981 0626 GHT PROBE 2567 DEPTH 3758M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	15.146	32.496	15.146	24.033	388.9	0.004
10	15.113	32.495	15.111	24.039	388.5	0.039
20	14.613	32.506	14.610	24.155	377.7	0.077
30	14.479	32.528	14.475	24.200	373.7	0.115
40	12.514	32.767	12.509	24.780	318.6	0.150
50	12.121	32.776	12.114	24.863	311.0	0.182
60	11.846	32.797	11.839	24.930	304.8	0.213
70	10.945	32.917	10.937	25.187	280.5	0.242
80	10.487	33.062	10.478	25.379	262.4	0.269
90	10.041	33.107	10.031	25.491	251.9	0.295
100	9.390	33.276	9.379	25.730	229.3	0.319
110	9.061	33.423	9.049	25.897	213.5	0.341
120	8.893	33.557	8.880	26.028	201.2	0.362
130	8.686	33.622	8.673	26.111	193.5	0.382
140	8.490	33.697	8.476	26.200	185.2	0.401
150	8.351	33.754	8.336	26.266	179.1	0.419
175	8.055	33.876	8.038	26.407	166.2	0.462
200	7.747	33.938	7.727	26.501	157.6	0.503
225	7.537	33.969	7.515	26.556	152.7	0.541
250	7.336	33.998	7.312	26.607	148.2	0.579
300	6.641	34.015	6.614	26.716	138.2	0.650
400	5.785	34.072	5.751	26.872	124.2	0.781
500	5.127	34.142	5.087	27.007	112.0	0.899
502	5.060	34.142	5.020	27.015	111.2	0.901



STATION 36 OFS 12



STATION 37 OFS 13

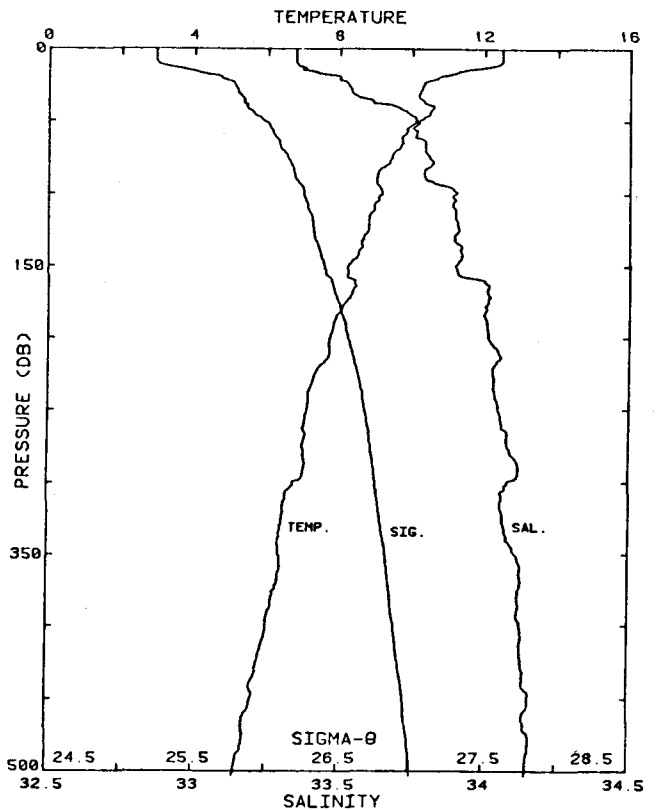
STA NO 37 OFS 13 LAT: 38 26.5 N LONG:124 56.8 W
6 JUL 1981 0742 GMT PROBE 2567 DEPTH 3818M

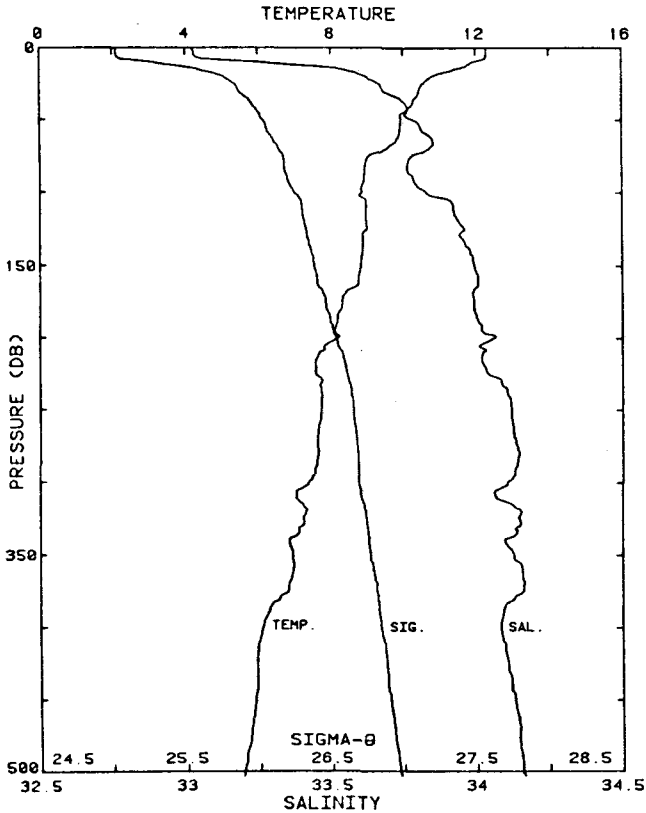
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.868	32.476	14.868	24.077	384.7	0.004
10	14.859	32.475	14.857	24.079	384.7	0.038
20	14.051	32.443	14.049	24.224	371.1	0.076
30	11.939	32.733	11.936	24.863	310.5	0.110
40	10.986	32.864	10.981	25.137	284.5	0.140
50	10.675	32.987	10.669	25.288	270.4	0.168
60	10.013	33.105	10.006	25.493	251.1	0.194
70	9.779	33.236	9.771	25.634	237.8	0.218
80	9.792	33.483	9.783	25.825	219.9	0.241
90	9.731	33.667	9.721	25.979	205.6	0.263
100	9.792	33.757	9.780	26.038	200.1	0.283
110	9.162	33.779	9.150	26.159	188.8	0.303
120	8.994	33.831	8.981	26.226	182.5	0.321
130	9.020	33.877	9.007	26.258	179.7	0.339
140	8.910	33.898	8.895	26.293	176.6	0.357
150	8.546	33.878	8.531	26.334	172.8	0.374
175	8.177	33.911	8.160	26.416	165.3	0.417
200	7.713	33.966	7.694	26.528	155.0	0.457
225	7.557	34.000	7.535	26.577	150.7	0.495
250	7.368	34.025	7.344	26.624	146.6	0.532
300	6.698	34.007	6.671	26.702	139.6	0.603
400	5.476	34.024	5.443	26.872	123.9	0.734
500	5.091	34.139	5.051	27.008	111.9	0.852
503	5.096	34.143	5.056	27.012	111.6	0.856

STA NO 38 OFS 14 LAT: 38 22.4 N LONG:124 51.0 W
6 JUL 1981 0901 GMT PROBE 2567 DEPTH 3833M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.467	33.346	12.467	25.236	274.2	0.003
10	12.420	33.347	12.418	25.247	273.5	0.027
20	10.700	33.502	10.697	25.683	232.2	0.053
30	10.210	33.542	10.207	25.799	221.3	0.075
40	10.586	33.700	10.581	25.857	216.1	0.097
50	10.166	33.761	10.160	25.978	204.8	0.118
60	9.773	33.765	9.766	26.048	198.4	0.138
70	9.631	33.795	9.623	26.094	194.1	0.158
80	9.338	33.818	9.329	26.161	188.0	0.177
90	9.028	33.796	9.018	26.193	185.1	0.196
100	9.189	33.905	9.179	26.253	179.6	0.214
110	8.968	33.895	8.956	26.280	177.2	0.231
120	8.812	33.908	8.799	26.315	174.1	0.249
130	8.674	33.897	8.660	26.328	172.9	0.266
140	8.535	33.919	8.521	26.367	169.4	0.283
150	8.238	33.902	8.222	26.399	166.5	0.300
175	8.186	34.014	8.168	26.495	157.8	0.341
200	7.745	34.014	7.725	26.560	151.9	0.379
225	7.320	34.029	7.299	26.634	145.2	0.417
250	7.107	34.047	7.083	26.678	141.3	0.452
300	6.734	34.080	6.706	26.755	134.6	0.521
400	6.014	34.128	5.980	26.887	123.0	0.650
500	5.174	34.151	5.134	27.009	111.9	0.767
503	5.146	34.150	5.105	27.011	111.7	0.770

STATION 38 OFS 14





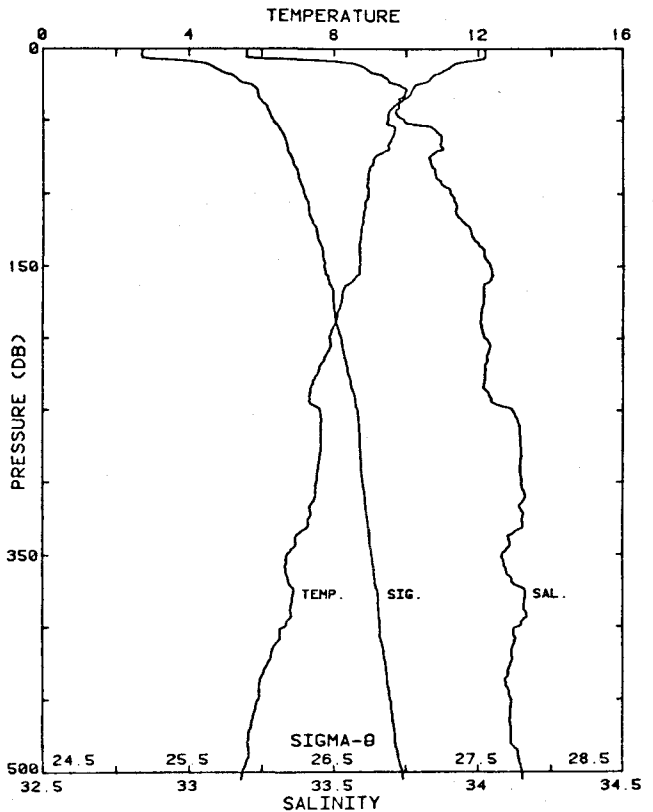
STATION 39 OFS 15

STA NO 39 OFS 15 LAT: 38 18.4 N LONG:124 46.1 W
6 JUL 1981 1028 GMT PROBE 2567 DEPTH 3859M

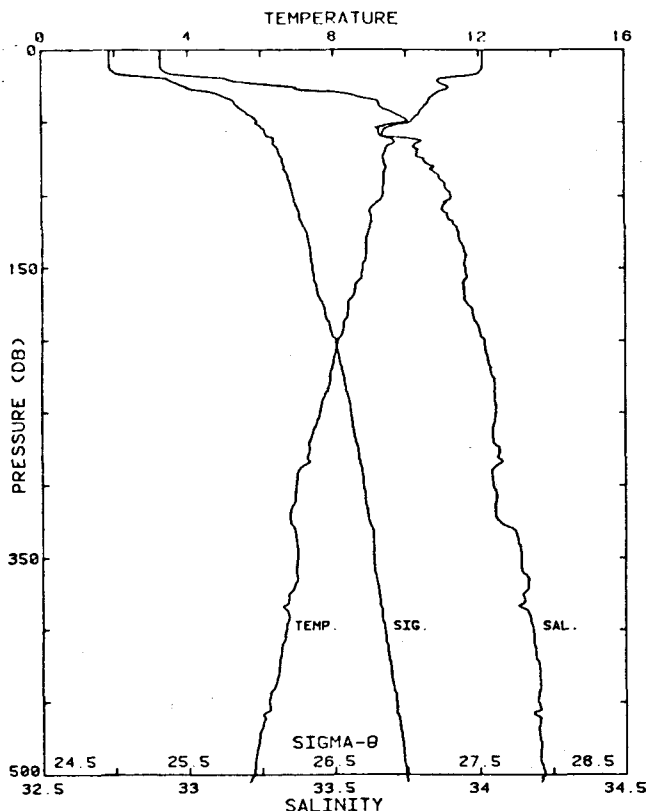
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.282	33.021	12.282	25.020	294.8	0.003
10	11.884	33.259	11.882	25.280	270.3	0.029
20	10.763	33.623	10.761	25.766	224.3	0.054
30	10.432	33.682	10.428	25.870	214.6	0.075
40	10.239	33.761	10.235	25.965	205.8	0.096
50	9.942	33.781	9.937	26.031	199.7	0.117
60	9.882	33.834	9.875	26.083	195.0	0.136
70	9.525	33.837	9.518	26.144	189.4	0.156
80	8.947	33.764	8.939	26.181	186.0	0.174
90	8.905	33.783	8.896	26.202	184.1	0.193
100	8.857	33.827	8.847	26.245	180.3	0.211
110	8.967	33.921	8.955	26.301	175.2	0.229
120	8.968	33.939	8.956	26.315	174.1	0.246
130	8.873	33.944	8.859	26.334	172.4	0.263
140	8.857	33.978	8.842	26.363	169.9	0.281
150	8.807	33.993	8.792	26.383	168.2	0.298
175	8.293	33.989	8.275	26.459	161.3	0.339
200	8.173	34.063	8.153	26.536	154.5	0.378
225	7.556	34.038	7.534	26.607	147.9	0.416
250	7.697	34.120	7.672	26.652	144.2	0.452
300	7.353	34.105	7.325	26.690	141.2	0.524
400	6.089	34.082	6.055	26.842	127.3	0.658
500	5.552	34.155	5.510	26.967	116.3	0.779
503	5.529	34.163	5.487	26.976	115.4	0.783

STA NO 40 OFS 16 LAT: 38 14.1 N LONG:124 40.3 W
6 JUL 1981 1152 GMT PROBE 2567 DEPTH 3872M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.178	33.200	12.178	25.179	279.7	0.003
10	11.374	33.564	11.372	25.611	238.8	0.027
20	10.682	33.679	10.679	25.824	218.7	0.050
30	10.125	33.745	10.121	25.972	204.9	0.071
40	9.648	33.725	9.644	26.036	199.0	0.091
50	9.474	33.742	9.469	26.078	195.2	0.111
60	9.628	33.869	9.621	26.152	188.4	0.130
70	9.493	33.874	9.486	26.179	186.1	0.149
80	9.055	33.836	9.046	26.220	182.3	0.167
90	8.924	33.855	8.915	26.256	179.1	0.185
100	8.931	33.902	8.921	26.292	175.9	0.203
110	8.848	33.924	8.836	26.322	173.2	0.221
120	8.780	33.945	8.768	26.349	170.8	0.238
130	8.727	33.979	8.714	26.384	167.7	0.255
140	8.697	34.019	8.682	26.421	164.4	0.271
150	8.709	34.039	8.693	26.434	163.3	0.288
175	8.201	34.017	8.184	26.495	157.8	0.328
200	7.872	34.022	7.852	26.549	153.1	0.367
225	7.527	34.022	7.506	26.599	148.6	0.404
250	7.596	34.116	7.572	26.663	143.1	0.441
300	7.511	34.148	7.482	26.701	140.3	0.512
400	6.617	34.140	6.581	26.819	130.0	0.646
500	5.469	34.152	5.427	26.975	115.5	0.770
505	5.431	34.154	5.389	26.981	114.9	0.775



STATION 40 OFS 16



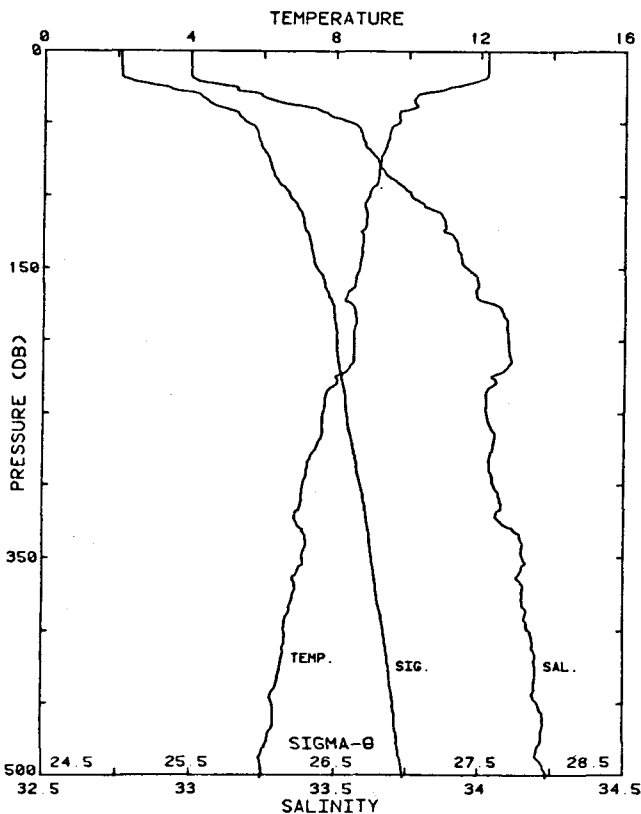
STATION 41 OFS 17

STA NO 41 OFS 17 LAT: 38 10.0 N LONG:124 35.0 W
6 JUL 1981 1331 GMT PROBE 2567 DEPTH 3841M

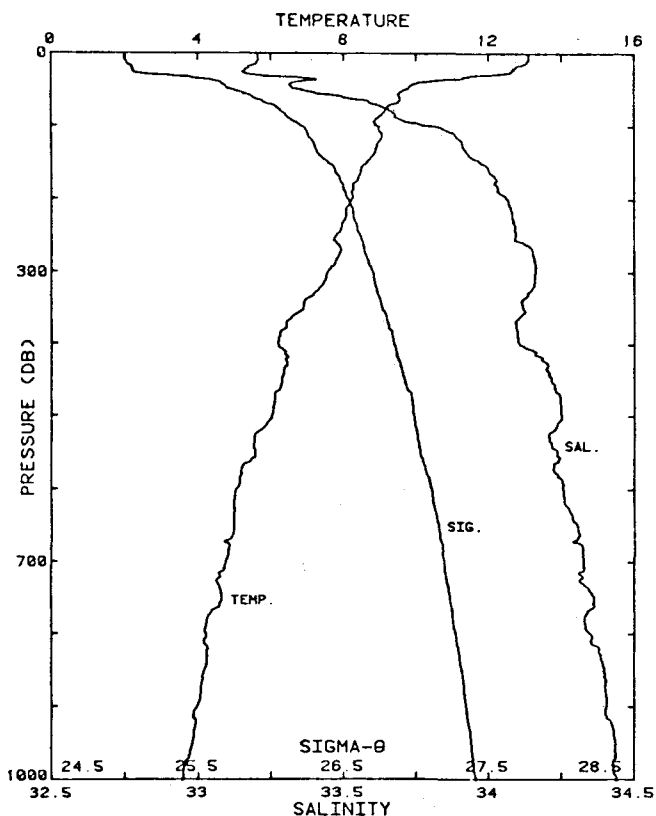
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.104	32.905	12.104	24.964	300.1	0.003
10	12.102	32.906	12.101	24.966	300.2	0.030
20	10.940	33.128	10.938	25.350	263.8	0.059
30	10.834	33.540	10.830	25.690	231.8	0.085
40	10.475	33.668	10.470	25.852	216.5	0.107
50	10.150	33.756	10.144	25.977	204.9	0.128
60	9.344	33.666	9.337	26.041	199.0	0.148
70	9.444	33.786	9.437	26.118	191.9	0.167
80	9.455	33.846	9.446	26.163	187.7	0.186
90	9.392	33.873	9.382	26.195	184.9	0.205
100	9.370	33.903	9.359	26.222	182.6	0.223
110	9.002	33.872	8.990	26.257	179.4	0.242
120	9.009	33.911	8.996	26.287	176.8	0.259
130	8.876	33.929	8.862	26.322	173.6	0.277
140	8.880	33.950	8.866	26.338	172.4	0.294
150	8.793	33.950	8.777	26.351	171.2	0.311
175	8.375	33.956	8.358	26.421	165.0	0.354
200	8.093	34.017	8.073	26.512	156.7	0.394
225	7.874	34.044	7.852	26.566	152.0	0.433
250	7.597	34.055	7.572	26.615	147.6	0.470
300	6.942	34.045	6.914	26.700	140.0	0.542
400	6.667	34.182	6.630	26.846	127.6	0.676
500	5.787	34.222	5.745	26.992	114.3	0.796
505	5.659	34.210	5.617	26.998	113.6	0.802

STA NO 42 OFS 18 LAT: 38 5.9 N LONG:124 29.8 W
6 JUL 1981 1455 GMT PROBE 2567 DEPTH 3858M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.197	33.000	12.197	25.020	294.8	0.000
10	12.190	33.001	12.188	25.022	294.8	0.029
20	11.984	33.016	11.981	25.073	290.2	0.059
30	10.243	33.243	10.240	25.561	244.0	0.086
40	10.085	33.434	10.081	25.737	227.5	0.110
50	9.731	33.551	9.725	25.887	213.4	0.131
60	9.442	33.590	9.435	25.966	206.1	0.152
70	9.315	33.619	9.308	26.008	202.2	0.173
80	9.190	33.652	9.182	26.055	198.0	0.193
90	9.154	33.705	9.144	26.102	193.7	0.212
100	8.920	33.759	8.910	26.162	186.3	0.231
110	8.838	33.834	8.827	26.253	179.7	0.249
120	8.845	33.879	8.832	26.288	176.6	0.267
130	8.773	33.915	8.759	26.327	173.1	0.285
140	8.730	33.934	8.715	26.349	171.3	0.302
150	8.665	33.956	8.650	26.376	168.8	0.319
175	8.417	34.042	8.399	26.482	159.2	0.360
200	8.513	34.099	8.493	26.512	156.8	0.399
225	8.003	34.040	7.981	26.543	154.1	0.438
250	7.662	34.024	7.637	26.582	150.8	0.476
300	7.113	34.051	7.085	26.661	141.9	0.550
400	6.636	34.177	6.600	26.846	127.5	0.685
500	5.984	34.237	5.940	26.979	115.8	0.807
502	5.965	34.236	5.921	26.981	115.6	0.809



STATION 42 OFS 18



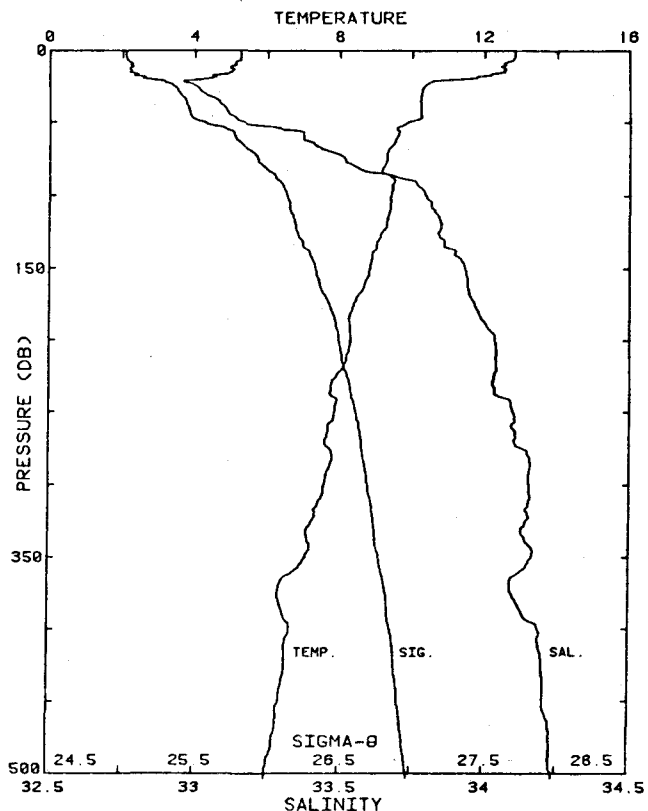
STATION 43 COC 14

STA NO 43 COC 14 LAT: 38 1.3 N LONG:124 23.9 W
6 JUL 1981 1625 GMT PROBE 2567 DEPTH 3053M

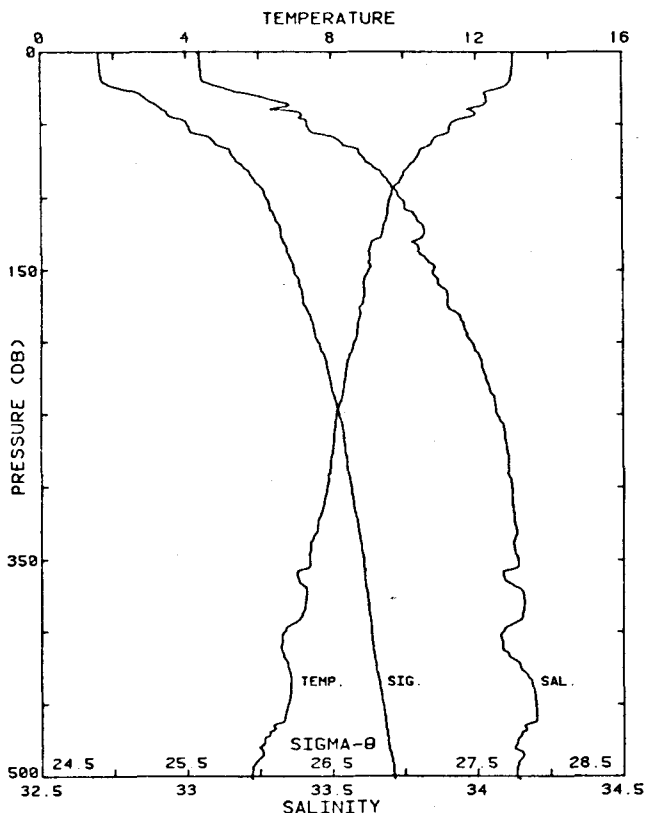
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	13.104	33.204	13.104	25.002	296.5	0.000
10	13.104	33.207	13.102	25.004	296.5	0.030
20	12.755	33.174	12.752	25.048	292.6	0.059
30	11.998	33.187	11.994	25.203	278.1	0.088
40	10.065	33.331	10.061	25.660	234.8	0.113
50	9.650	33.358	9.644	25.750	226.4	0.136
60	9.546	33.502	9.539	25.880	214.3	0.158
70	9.286	33.613	9.278	26.009	202.2	0.179
80	9.116	33.666	9.107	26.077	195.9	0.199
90	8.875	33.691	8.865	26.135	190.5	0.218
100	8.945	33.796	8.935	26.206	184.0	0.237
110	9.052	33.877	9.040	26.253	179.8	0.255
120	9.000	33.906	8.987	26.284	177.0	0.273
130	8.897	33.912	8.883	26.305	175.2	0.291
140	8.811	33.932	8.796	26.335	172.6	0.308
150	8.634	33.972	8.619	26.394	167.1	0.325
175	8.372	34.028	8.354	26.478	159.5	0.366
200	8.231	34.063	8.211	26.527	155.3	0.405
225	8.060	34.082	8.037	26.568	151.8	0.443
250	7.799	34.091	7.774	26.614	147.8	0.481
300	7.574	34.160	7.545	26.702	140.3	0.553
400	6.202	34.105	6.167	26.846	127.1	0.687
500	6.030	34.252	5.987	26.984	115.3	0.808
600	5.053	34.257	5.004	27.107	103.7	0.918
800	4.202	34.347	4.142	27.274	88.8	1.111
1000	3.570	34.440	3.498	27.413	76.2	1.275
1002	3.554	34.439	3.482	27.414	76.0	1.277

STA NO 44 OFS 19 LAT: 38 6.8 N LONG:124 27.4 W
6 JUL 1981 1747 GMT PROBE 2567 DEPTH 3811M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.825	33.156	12.825	25.020	294.8	0.003
10	12.572	33.141	12.571	25.058	291.5	0.029
20	11.226	33.020	11.224	25.215	276.6	0.058
30	10.248	33.037	10.245	25.400	259.3	0.085
40	10.229	33.105	10.224	25.457	254.1	0.110
50	9.864	33.168	9.859	25.566	243.9	0.135
60	9.564	33.375	9.558	25.778	224.0	0.159
70	9.310	33.468	9.302	25.892	213.3	0.180
80	9.203	33.555	9.194	25.977	205.4	0.201
90	9.511	33.759	9.501	26.087	195.2	0.221
100	9.401	33.797	9.390	26.134	190.9	0.241
110	9.380	33.825	9.368	26.159	188.7	0.260
120	9.291	33.851	9.278	26.195	185.6	0.278
130	9.086	33.860	9.072	26.235	182.0	0.297
140	8.900	33.898	8.885	26.294	176.5	0.315
150	8.831	33.933	8.815	26.332	173.0	0.332
175	8.384	33.966	8.366	26.428	164.3	0.375
200	8.303	34.036	8.282	26.495	158.4	0.415
225	7.902	34.032	7.880	26.552	153.2	0.454
250	7.854	34.098	7.829	26.612	148.1	0.491
300	7.577	34.154	7.547	26.697	140.7	0.563
400	6.631	34.188	6.594	26.856	126.6	0.697
500	5.997	34.239	5.953	26.978	115.8	0.819
503	5.994	34.239	5.950	26.979	115.8	0.822



STATION 44 OFS 19



STATION 45 OFS 20

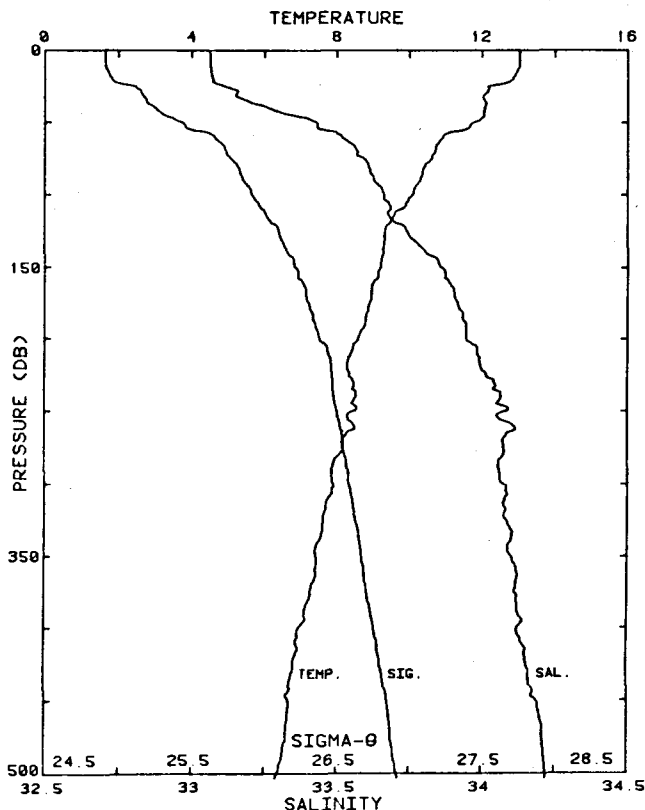
STA NO 45 OFS 20 LAT: 38 12.6 N LONG:124 23.3 W
6 JUL 1981 1910 GMT PROBE 2567 DEPTH 3767M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	13.013	33.040	13.012	24.893	306.8	0.003
10	12.994	33.049	12.993	24.904	306.0	0.031
20	12.928	33.058	12.926	24.924	304.4	0.061
30	12.254	33.233	12.250	25.191	279.3	0.091
40	11.757	33.292	11.752	25.330	266.3	0.118
50	11.305	33.414	11.299	25.507	249.6	0.144
60	10.831	33.519	10.824	25.674	234.0	0.168
70	10.421	33.597	10.413	25.807	221.6	0.191
80	10.113	33.650	10.104	25.901	212.8	0.213
90	9.877	33.699	9.867	25.979	205.5	0.233
100	9.627	33.735	9.616	26.048	199.1	0.254
110	9.562	33.775	9.550	26.091	195.3	0.273
120	9.436	33.817	9.423	26.144	190.4	0.293
130	9.162	33.790	9.148	26.168	188.3	0.312
140	9.031	33.809	9.016	26.204	185.1	0.330
150	9.020	33.851	9.004	26.239	182.0	0.349
175	8.806	33.896	8.787	26.308	175.9	0.393
200	8.622	33.981	8.602	26.403	167.2	0.436
225	8.359	34.030	8.336	26.483	160.1	0.477
250	8.115	34.067	8.090	26.549	154.2	0.516
300	7.838	34.117	7.808	26.629	147.3	0.591
400	6.676	34.090	6.639	26.772	134.5	0.732
500	5.767	34.134	5.725	26.925	120.6	0.860
502	5.791	34.145	5.748	26.930	120.1	0.862

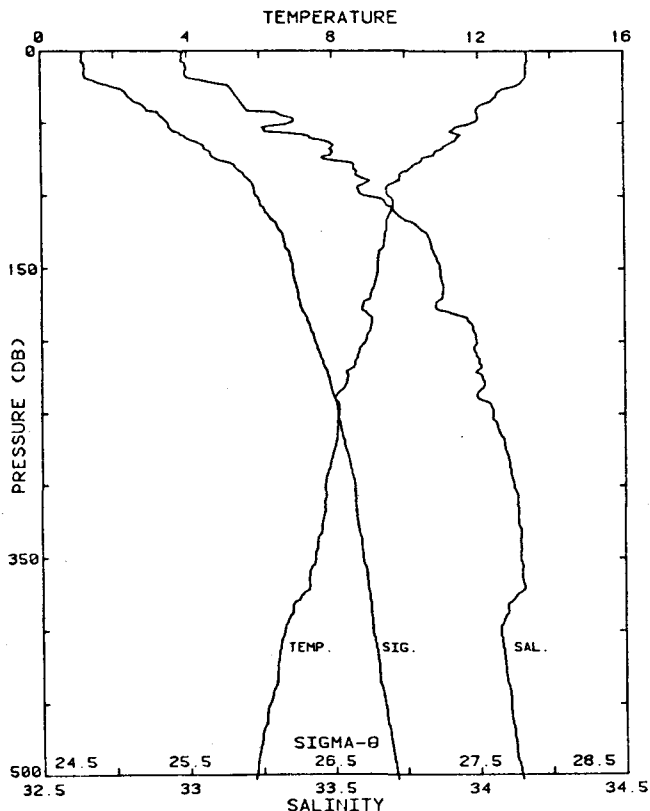
STA NO 46 OFS 21 LAT: 38 18.2 N LONG:124 22.7 W
6 JUL 1981 2026 GMT PROBE 2567 DEPTH 3756M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	13.024	33.061	13.023	24.907	305.5	0.003
10	13.020	33.064	13.018	24.911	305.4	0.031
20	12.837	33.072	12.835	24.953	301.7	0.061
30	12.085	33.153	12.081	25.160	282.2	0.090
40	12.059	33.265	12.054	25.252	273.7	0.118
50	11.783	33.431	11.777	25.432	256.8	0.144
60	10.916	33.518	10.909	25.658	235.5	0.169
70	10.701	33.571	10.692	25.738	228.1	0.192
80	10.424	33.608	10.415	25.815	220.9	0.215
90	10.296	33.627	10.285	25.852	217.7	0.237
100	10.091	33.663	10.080	25.915	211.9	0.258
110	9.777	33.685	9.785	25.982	205.7	0.279
120	9.461	33.703	9.448	26.052	199.2	0.299
130	9.323	33.756	9.309	26.116	193.3	0.319
140	9.272	33.806	9.257	26.163	189.0	0.338
150	9.213	33.859	9.197	26.214	184.4	0.357
175	8.906	33.918	8.888	26.309	175.7	0.401
200	8.583	33.947	8.563	26.382	169.2	0.444
225	8.356	34.015	8.333	26.471	161.1	0.485
250	8.513	34.086	8.487	26.503	153.7	0.525
300	7.910	34.072	7.881	26.584	151.6	0.603
400	6.967	34.123	6.930	26.758	136.1	0.746
500	6.372	34.223	6.327	26.918	122.0	0.875
503	6.323	34.221	6.278	26.923	121.5	0.879

LINEAR INTERPOLATION 22-27DB



STATION 46 OFS 21



STATION 47 OFS 22

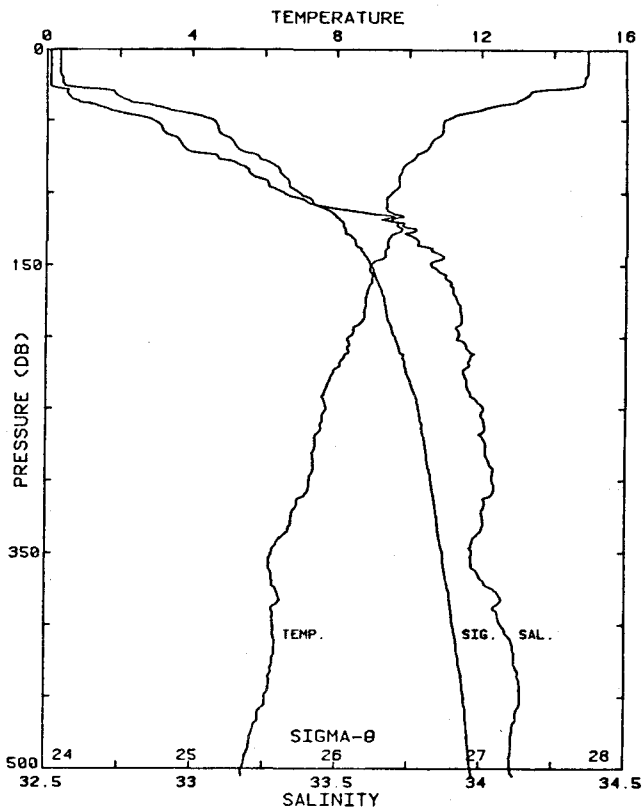
STA NO 47 OFS 22 LAT: 38 23.7 N LONG:124 22.0 W
6 JUL 1981 2141 GMT PROBE 2557 DEPTH 3683M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	13.342	32.974	13.342	24.777	317.9	0.003
10	13.314	32.997	13.312	24.801	315.9	0.032
20	13.267	33.029	13.265	24.835	312.9	0.063
30	12.517	33.166	12.513	25.088	289.1	0.093
40	11.976	33.202	11.971	25.219	276.9	0.122
50	11.833	33.359	11.827	25.368	262.9	0.149
60	11.409	33.420	11.402	25.494	251.2	0.174
70	10.801	33.501	10.792	25.665	235.0	0.199
80	10.169	33.571	10.160	25.830	219.5	0.221
90	9.837	33.625	9.827	25.928	210.4	0.243
100	9.489	33.604	9.478	25.969	206.6	0.264
110	9.598	33.708	9.586	26.033	200.8	0.284
120	9.461	33.784	9.448	26.115	193.2	0.304
130	9.399	33.832	9.385	26.162	188.9	0.323
140	9.243	33.846	9.228	26.199	185.6	0.342
150	9.201	33.867	9.185	26.222	183.6	0.360
175	8.799	33.852	8.780	26.274	179.0	0.406
200	8.880	33.992	8.859	26.371	170.3	0.449
225	8.381	34.012	8.358	26.465	161.8	0.491
250	8.142	34.048	8.116	26.529	156.0	0.530
300	7.746	34.117	7.716	26.643	145.9	0.606
400	6.626	34.071	6.590	26.764	135.2	0.746
500	5.802	34.140	5.759	26.925	120.6	0.874
503	5.776	34.144	5.733	26.931	120.0	0.878

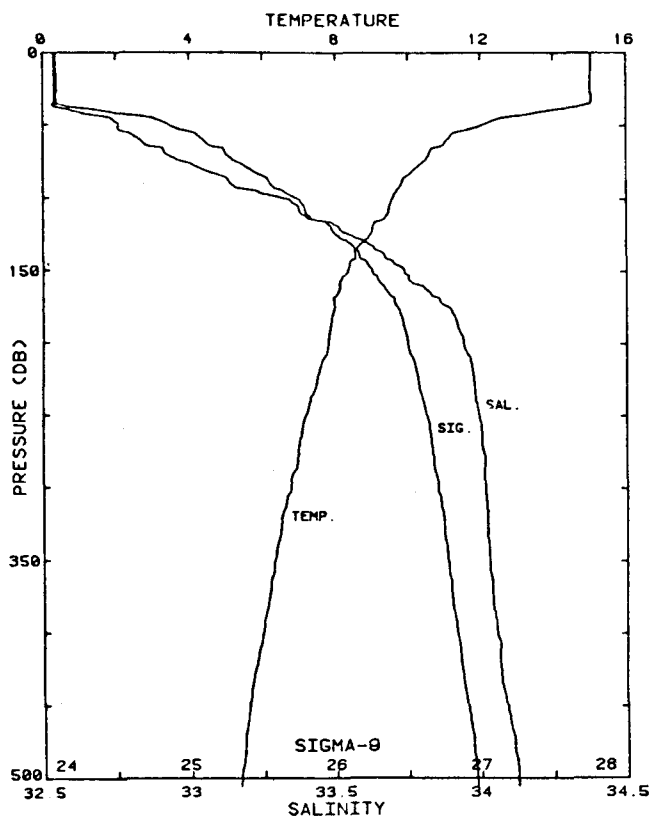
LINEAR INTERPOLATION 24-42DB

STA NO 48 OFS23 LAT: 38 29.4 N LONG:124 21.6 W
6 JUL 1981 2318 GMT PROBE 2567 DEPTH 3449M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	14.932	32.513	14.932	24.092	383.2	0.004
10	14.940	32.514	14.938	24.091	383.6	0.038
20	14.854	32.512	14.851	24.109	382.2	0.077
30	13.345	32.568	13.340	24.464	348.5	0.114
40	12.344	32.675	12.339	24.742	322.3	0.148
50	10.965	32.061	10.959	25.139	284.6	0.178
60	10.875	32.913	10.868	25.196	279.4	0.206
70	10.473	32.976	10.465	25.315	268.2	0.233
80	9.891	33.155	9.882	25.552	245.8	0.259
90	9.695	33.230	9.685	25.643	237.3	0.283
100	9.507	33.312	9.496	25.739	228.5	0.307
110	9.362	33.459	9.350	25.877	215.5	0.329
120	9.495	33.680	9.482	26.028	201.4	0.350
130	9.461	33.758	9.447	26.094	195.4	0.370
140	9.324	33.827	9.309	26.171	188.3	0.389
150	8.933	33.826	8.917	26.233	182.5	0.407
175	8.785	33.916	8.766	26.327	174.1	0.452
200	8.307	33.921	8.287	26.404	167.0	0.495
225	7.887	33.936	7.865	26.479	160.1	0.535
250	7.701	34.007	7.676	26.563	152.6	0.574
300	7.238	34.038	7.210	26.653	144.6	0.649
400	6.268	34.074	6.232	26.813	130.2	0.786
500	5.428	34.110	5.387	26.946	118.1	0.909
505	5.431	34.120	5.389	26.954	117.5	0.915



STATION 48 OFS 23



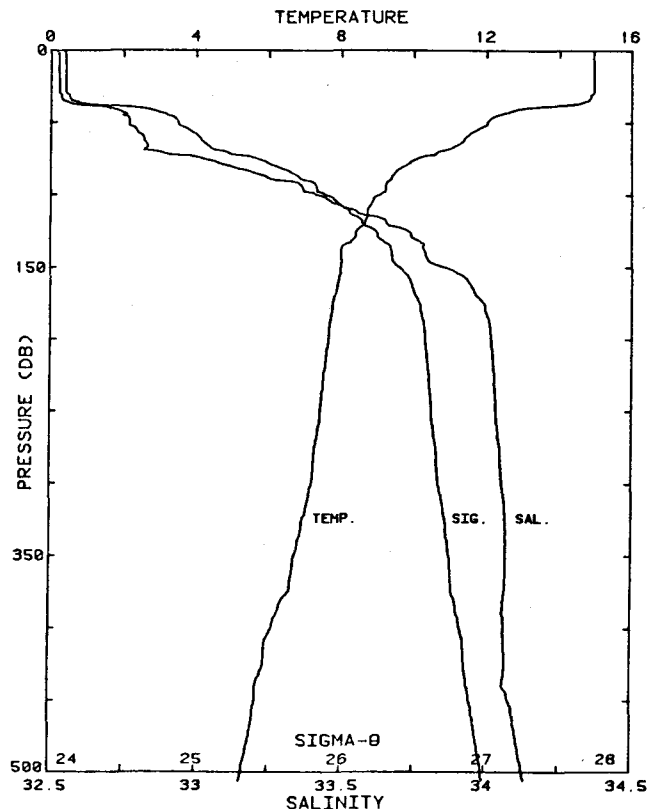
STATION 49 OFS 24

STA NO 49 OFS 24 LAT: 38 35.1 N LONG:124 21.1 W
7 JUL 1981 0041 GMT PROBE 2567 DEPTH 3462M

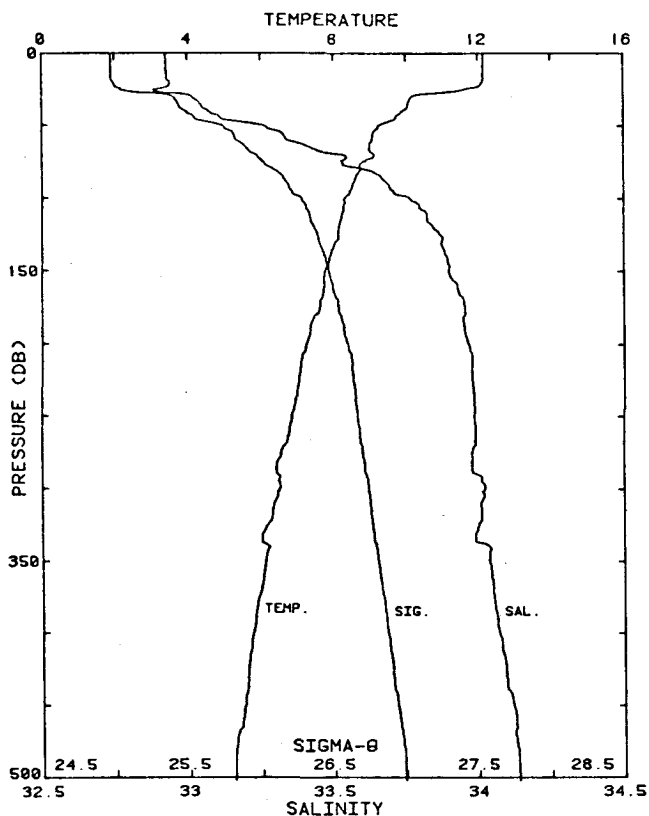
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	15.033	32.538	15.033	24.089	383.5	0.004
10	15.038	32.538	15.037	24.089	383.8	0.038
20	15.018	32.538	15.015	24.093	383.6	0.077
30	15.047	32.539	15.043	24.087	384.5	0.115
40	13.803	32.599	13.797	24.396	355.3	0.153
50	12.050	32.760	12.044	24.863	310.9	0.186
60	11.080	32.829	11.073	25.094	289.1	0.216
70	10.584	32.919	10.576	25.251	274.3	0.244
80	10.182	33.044	10.173	25.417	258.7	0.270
90	9.822	33.142	9.812	25.555	245.8	0.296
100	9.581	33.322	9.570	25.735	228.9	0.319
110	9.464	33.379	9.452	25.798	223.0	0.342
120	9.038	33.509	9.025	25.968	207.0	0.363
130	8.800	33.602	8.786	26.078	196.7	0.384
140	8.562	33.672	8.548	26.170	188.1	0.403
150	8.343	33.735	8.327	26.253	180.4	0.421
175	7.987	33.884	7.970	26.423	164.6	0.464
200	7.795	33.941	7.776	26.496	158.1	0.504
225	7.493	33.975	7.472	26.567	151.6	0.543
250	7.182	33.993	7.159	26.625	146.4	0.580
300	6.752	34.013	6.725	26.700	139.8	0.652
400	5.976	34.054	5.941	26.834	127.9	0.785
500	5.359	34.125	5.318	26.966	116.2	0.907
505	5.341	34.125	5.300	26.969	115.9	0.913

STA NO 50 OFS25 LAT: 38 40.2 N LONG:124 20.6 W
7 JUL 1981 0211 GMT PROBE 2567 DEPTH 3016M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.947	32.524	14.947	24.097	382.7	0.004
10	14.946	32.527	14.944	24.100	382.7	0.038
20	14.949	32.528	14.946	24.100	383.0	0.077
30	14.926	32.530	14.921	24.107	382.6	0.115
40	13.098	32.701	13.092	24.616	334.3	0.152
50	12.010	32.769	12.003	24.878	309.6	0.184
60	11.424	32.818	11.417	25.024	295.8	0.214
70	10.670	32.868	10.662	25.197	279.5	0.243
80	9.731	33.113	9.723	25.546	246.4	0.269
90	9.334	33.274	9.324	25.737	228.4	0.293
100	9.049	33.411	9.039	25.889	214.1	0.315
110	8.717	33.533	8.706	26.037	200.2	0.336
120	8.642	33.656	8.630	26.145	190.1	0.355
130	8.351	33.750	8.338	26.263	179.1	0.373
140	7.989	33.791	7.975	26.349	170.9	0.391
150	7.985	33.859	7.971	26.403	166.0	0.408
175	7.752	33.991	7.735	26.541	153.3	0.447
200	7.637	34.015	7.618	26.577	150.3	0.485
225	7.504	34.027	7.482	26.606	147.9	0.523
250	7.423	34.033	7.400	26.623	146.7	0.559
300	7.191	34.055	7.163	26.673	142.7	0.632
400	6.106	34.063	6.071	26.825	128.9	0.768
500	5.302	34.129	5.261	26.977	115.1	0.890
506	5.244	34.137	5.203	26.990	113.9	0.897



STATION 50 OFS 25



STATION 53 AR 8

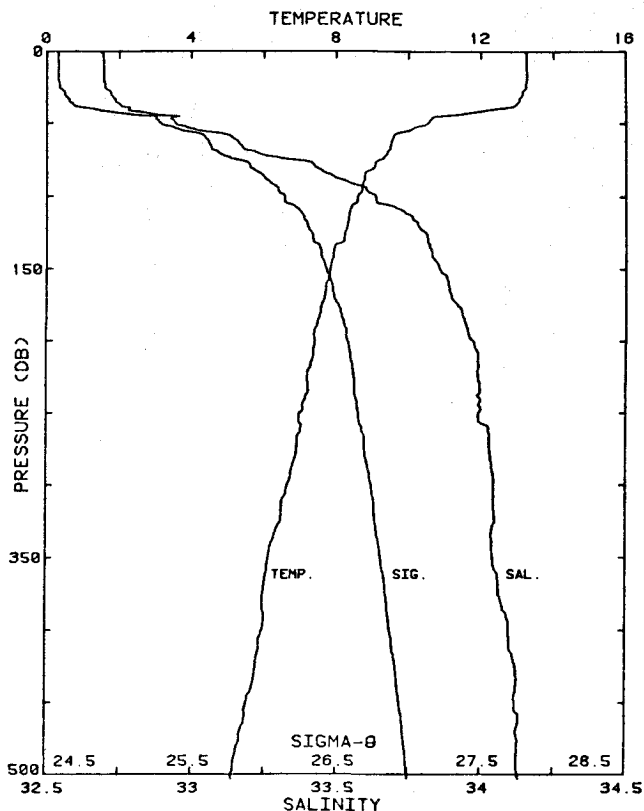
STA NO 53 AR 8 LAT: 38 48.3 N LONG:124 14.1 W
7 JUL 1981 0623 GMT PROBE 2567 DEPTH 2912M

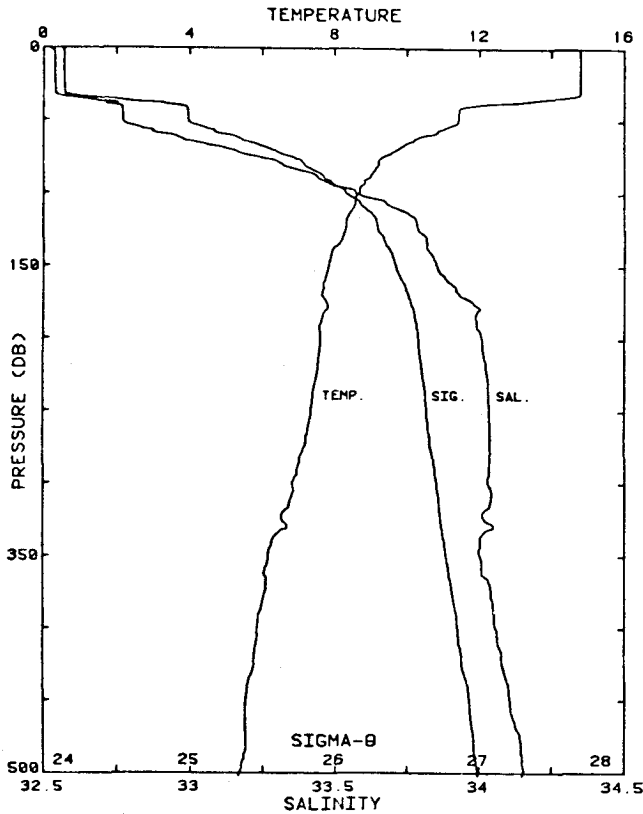
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.154	32.924	12.154	24.969	299.6	0.003
10	12.148	32.928	12.147	24.974	299.4	0.030
20	12.105	32.940	12.102	24.992	298.0	0.060
30	10.138	33.016	10.135	25.402	259.0	0.088
40	9.897	33.072	9.893	25.486	251.3	0.114
50	9.251	33.259	9.246	25.738	227.5	0.138
60	9.067	33.342	9.056	25.833	218.6	0.160
70	9.134	33.537	9.127	25.974	205.5	0.182
80	8.753	33.611	8.744	26.092	194.4	0.202
90	8.526	33.687	8.517	26.187	185.6	0.221
100	8.302	33.763	8.291	26.280	176.9	0.239
110	8.255	33.819	8.244	26.331	172.2	0.256
120	8.139	33.843	8.127	26.368	168.9	0.273
130	8.055	33.872	8.042	26.403	165.7	0.290
140	7.892	33.890	7.879	26.441	162.3	0.307
150	7.752	33.896	7.738	26.466	160.0	0.323
175	7.610	33.952	7.593	26.531	154.2	0.362
200	7.238	33.964	7.220	26.594	148.5	0.400
225	7.027	33.976	7.006	26.633	145.1	0.436
250	6.842	33.984	6.819	26.665	142.4	0.472
300	6.499	34.021	6.472	26.740	135.8	0.542
400	5.763	34.069	5.729	26.873	124.1	0.672
500	5.238	34.138	5.197	26.991	113.7	0.790
502	5.237	34.139	5.196	26.992	113.6	0.793

STA NO 54 OFS 27 LAT: 38 44.1 N LONG:124 10.2 W
7 JUL 1981 0744 GMT PROBE 2567 DEPTH 2766M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.240	32.684	13.240	24.573	337.4	0.003
10	13.246	32.694	13.245	24.580	336.9	0.034
20	13.253	32.694	13.250	24.579	337.2	0.067
30	13.126	32.719	13.122	24.624	333.3	0.101
40	12.306	32.781	12.301	24.831	313.8	0.134
50	10.512	32.944	10.506	25.283	270.9	0.162
60	9.559	33.142	9.552	25.597	241.1	0.188
70	9.403	33.223	9.396	25.686	232.9	0.212
80	9.038	33.428	9.030	25.904	212.3	0.234
90	8.742	33.536	8.732	26.035	200.0	0.254
100	8.578	33.635	8.567	26.138	190.4	0.274
110	8.364	33.729	8.352	26.244	180.4	0.292
120	8.289	33.781	8.277	26.297	175.6	0.310
130	8.192	33.814	8.179	26.337	172.0	0.328
140	7.897	33.829	7.883	26.393	166.8	0.344
150	7.814	33.856	7.800	26.426	163.8	0.361
175	7.578	33.918	7.561	26.509	156.3	0.401
200	7.412	33.972	7.393	26.576	150.3	0.439
225	7.189	33.989	7.168	26.621	146.4	0.476
250	6.977	33.991	6.954	26.652	143.7	0.513
300	6.630	34.045	6.603	26.742	135.8	0.582
400	5.939	34.098	5.905	26.874	124.2	0.712
500	5.125	34.129	5.085	26.997	113.0	0.831
503	5.134	34.134	5.094	27.000	112.7	0.834

STATION 54 OFS 27





STATION 51 AR 9

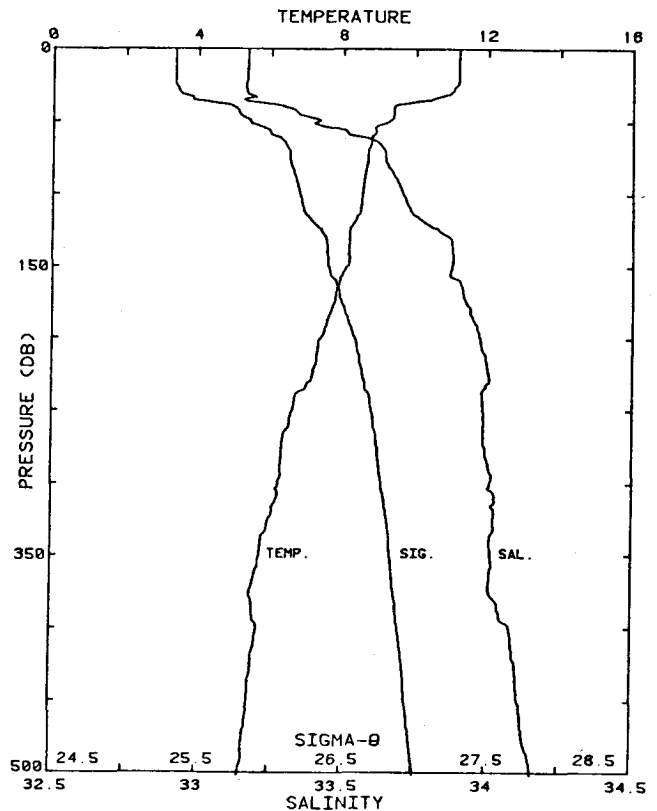
STA NO 51 AR 9 LAT: 38 45.6 N LONG: 124 20.1 W
7 JUL 1981 0321 GMT PROBE 2567 DEPTH 3311M

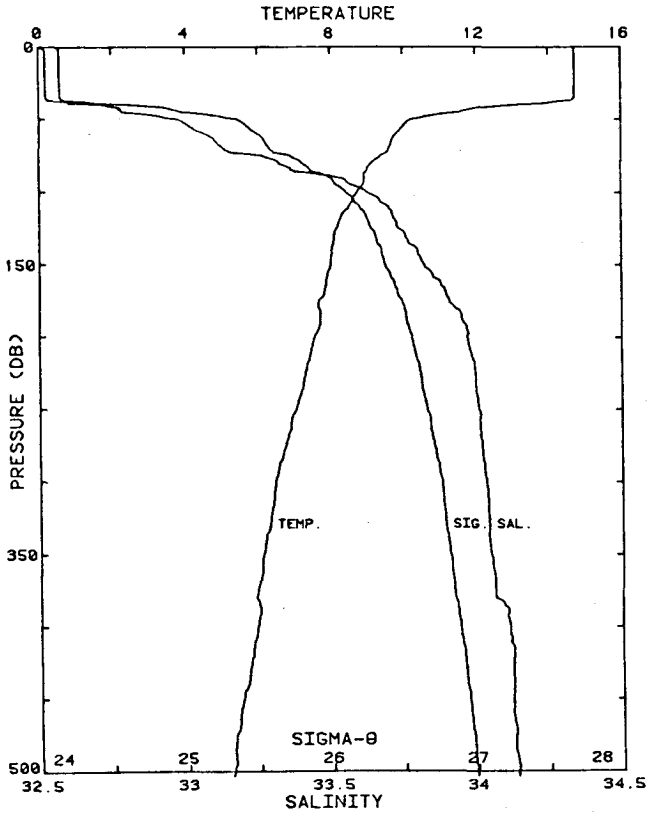
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	14.782	32.524	14.782	24.132	379.4	0.004
10	14.802	32.538	14.800	24.139	379.0	0.038
20	14.803	32.539	14.801	24.140	379.2	0.076
30	14.785	32.540	14.781	24.145	379.0	0.114
40	11.637	32.757	11.632	24.937	303.6	0.149
50	11.396	32.772	11.390	24.993	298.5	0.179
60	10.511	32.938	10.504	25.279	271.5	0.207
70	9.735	33.137	9.728	25.564	244.4	0.233
80	9.224	33.322	9.215	25.792	223.0	0.256
90	8.915	33.444	8.906	25.938	209.3	0.278
100	8.669	33.573	8.658	26.076	196.3	0.298
110	8.506	33.712	8.495	26.210	183.8	0.317
120	8.314	33.784	8.302	26.295	175.8	0.335
130	8.196	33.816	8.183	26.328	171.9	0.352
140	7.910	33.827	7.896	26.389	167.1	0.369
150	7.821	33.854	7.806	26.424	164.0	0.386
175	7.778	33.976	7.760	26.526	154.7	0.426
200	7.595	34.007	7.576	26.577	150.3	0.464
225	7.491	34.026	7.469	26.607	147.8	0.501
250	7.342	34.033	7.318	26.634	145.6	0.538
300	6.825	34.028	6.797	26.702	139.6	0.609
400	5.868	34.056	5.834	26.849	126.4	0.743
500	5.341	34.151	5.300	26.989	114.0	0.862
502	5.326	34.149	5.285	26.989	114.0	0.865

STA NO 52 OFS26 LAT: 38 55.2 N LONG: 124 19.6 W
7 JUL 1981 0513 GMT PROBE 2567 DEPTH 3113M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.180	33.168	11.180	25.338	264.5	0.003
10	11.178	33.169	11.176	25.339	264.6	0.026
20	11.173	33.168	11.171	25.340	264.8	0.053
30	10.953	33.166	10.949	25.377	261.5	0.079
40	9.385	33.303	9.380	25.750	226.1	0.104
50	9.255	33.412	9.250	25.856	216.3	0.126
60	8.798	33.543	8.791	26.031	199.8	0.147
70	8.683	33.644	8.676	26.128	190.7	0.166
80	8.650	33.654	8.641	26.141	189.7	0.185
90	8.571	33.686	8.562	26.178	186.4	0.204
100	8.530	33.708	8.520	26.202	184.3	0.223
110	8.486	33.731	8.475	26.227	182.1	0.241
120	8.305	33.782	8.293	26.295	175.8	0.259
130	8.181	33.870	8.168	26.383	167.7	0.276
140	8.161	33.879	8.147	26.393	166.9	0.293
150	8.089	33.876	8.074	26.402	166.2	0.309
175	7.757	33.925	7.740	26.489	158.3	0.350
200	7.377	33.975	7.358	26.583	149.6	0.388
225	7.162	34.005	7.141	26.637	144.9	0.425
250	6.605	33.984	6.582	26.696	139.3	0.460
300	6.212	34.010	6.185	26.768	133.0	0.528
400	5.675	34.083	5.642	26.894	122.0	0.655
500	5.213	34.160	5.172	27.012	111.7	0.772
502	5.205	34.160	5.155	27.013	111.6	0.775

STATION 52 OFS 26





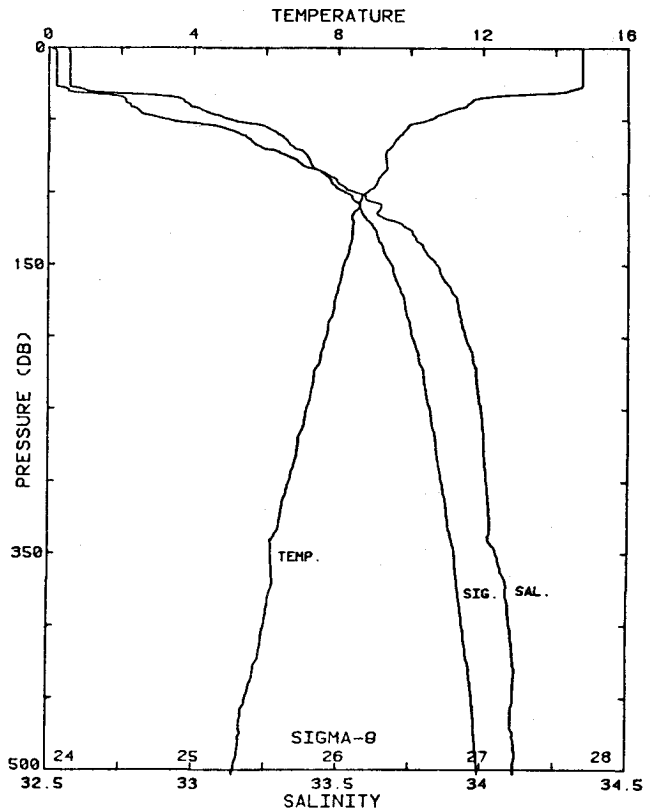
STATION 55 OFS 28

STA NO 55 OFS 28 LAT: 38 39.2 N LONG:124 6.6 W
7 JUL 1981 0852 GMT PROBE 2567 DEPTH 2688M

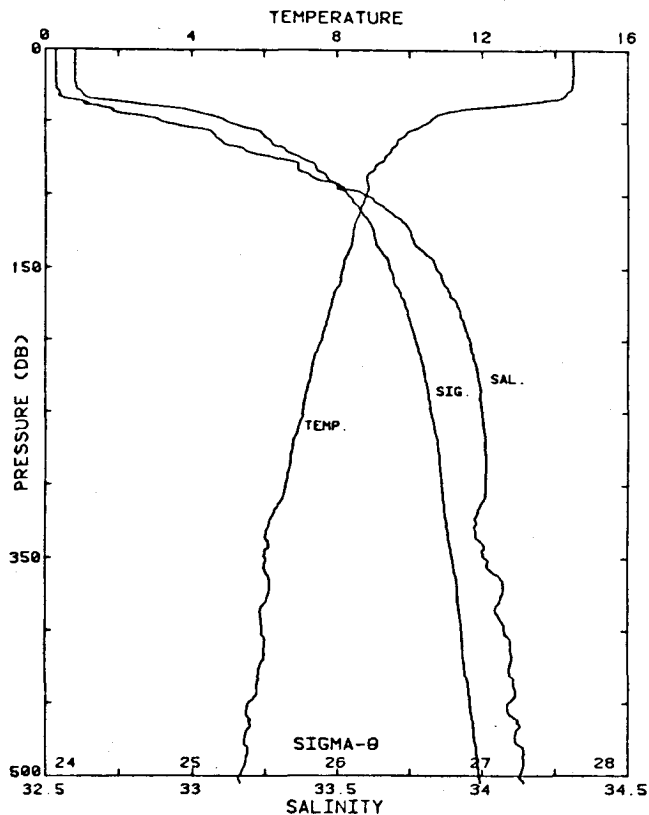
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.719	32.508	14.719	24.133	379.3	0.004
10	14.728	32.523	14.727	24.143	378.6	0.038
20	14.732	32.522	14.729	24.142	378.9	0.076
30	14.728	32.523	14.723	24.144	379.1	0.114
40	13.097	32.726	13.092	24.635	332.5	0.151
50	10.210	32.975	10.204	25.358	263.7	0.180
60	9.798	33.070	9.791	25.501	250.2	0.206
70	9.611	33.131	9.603	25.580	242.9	0.231
80	9.137	33.324	9.128	25.807	221.5	0.254
90	8.947	33.522	8.938	25.992	204.1	0.275
100	8.736	33.628	8.725	26.108	193.2	0.295
110	8.490	33.701	8.478	26.203	184.4	0.314
120	8.239	33.724	8.226	26.259	179.2	0.332
130	8.086	33.758	8.073	26.309	174.6	0.350
140	8.018	33.798	8.005	26.350	170.9	0.367
150	7.974	33.822	7.959	26.376	168.6	0.384
175	7.645	33.906	7.629	26.490	158.1	0.425
200	7.527	33.966	7.508	26.555	152.4	0.464
225	7.269	33.996	7.248	26.615	147.0	0.501
250	7.025	34.007	7.002	26.658	143.2	0.538
300	6.431	34.031	6.404	26.757	134.2	0.607
400	5.930	34.113	5.896	26.886	123.0	0.736
500	5.249	34.138	5.208	26.990	113.8	0.854
503	5.222	34.136	5.181	26.992	113.6	0.858

STA NO 56 NOR 3 LAT: 38 34.4 N LONG:124 3.0 W
7 JUL 1981 1004 GMT PROBE 2567 DEPTH 2353M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	14.730	32.510	14.730	24.133	379.3	0.004
10	14.738	32.526	14.737	24.144	378.5	0.038
20	14.740	32.527	14.737	24.144	378.8	0.076
30	14.289	32.566	14.285	24.269	367.1	0.113
40	11.546	32.781	11.541	24.973	300.2	0.145
50	10.499	32.909	10.493	25.258	273.3	0.174
60	9.753	33.160	9.746	25.579	242.8	0.199
70	9.400	33.239	9.393	25.698	231.7	0.223
80	9.333	33.370	9.325	25.811	221.1	0.245
90	9.126	33.486	9.116	25.936	209.5	0.267
100	8.781	33.563	8.771	26.050	198.8	0.288
110	8.568	33.640	8.557	26.150	189.4	0.307
120	8.413	33.693	8.400	26.209	184.0	0.326
130	8.372	33.762	8.359	26.269	178.4	0.344
140	8.286	33.797	8.272	26.310	174.8	0.361
150	8.137	33.840	8.122	26.366	169.6	0.379
175	7.899	33.913	7.882	26.458	161.2	0.420
200	7.674	33.940	7.654	26.513	156.4	0.460
225	7.343	33.977	7.321	26.590	149.4	0.498
250	7.132	33.993	7.109	26.632	145.7	0.535
300	6.653	34.012	6.626	26.713	138.5	0.606
400	5.970	34.097	5.936	26.869	124.7	0.737
500	5.172	34.115	5.132	26.981	114.6	0.854
503	5.140	34.115	5.100	26.984	114.2	0.859



STATION 56 NOR 8



STATION 57 OFS 29

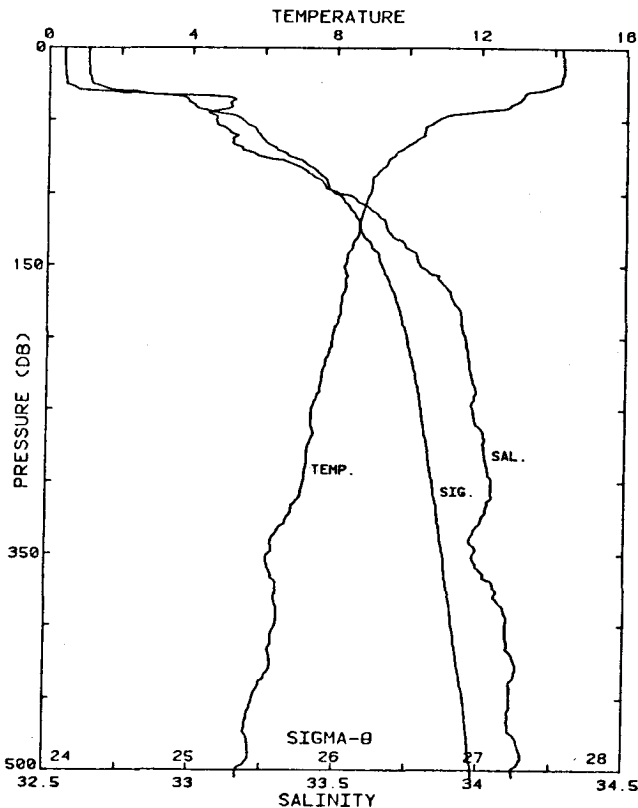
STA NO 57 OFS 29 LAT: 38 29.8 N LONG: 124 0.0 W
7 JUL 1981 1113 GMT PROBE 2567 DEPTH 3032M

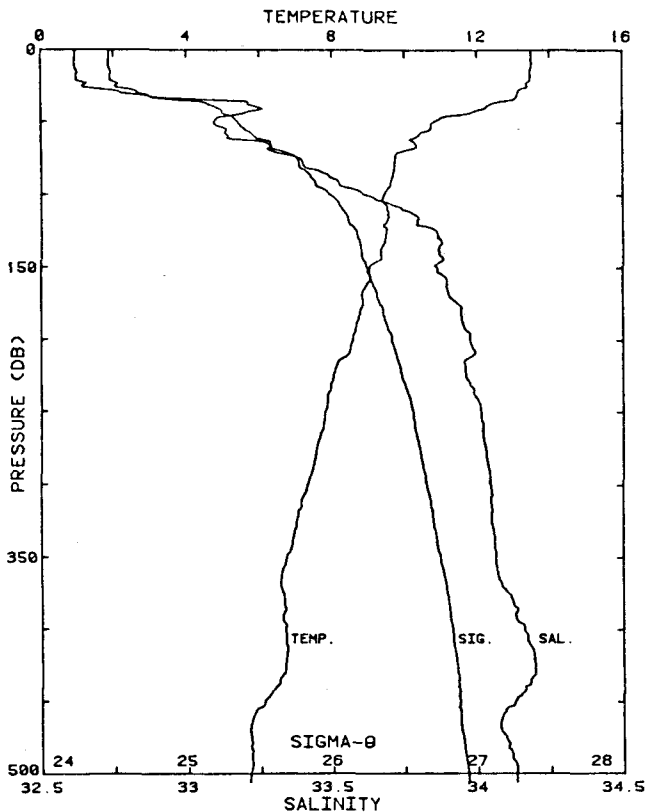
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	14.498	32.534	14.498	24.200	372.9	0.004
10	14.505	32.534	14.503	24.199	373.2	0.037
20	14.505	32.534	14.502	24.200	373.5	0.075
30	14.320	32.549	14.316	24.250	369.0	0.112
40	11.737	32.696	11.732	24.872	309.8	0.147
50	10.529	32.898	10.523	25.244	274.5	0.176
60	9.836	33.083	9.829	25.505	249.8	0.202
70	9.470	33.187	9.463	25.646	236.6	0.226
80	9.052	33.364	9.043	25.852	217.2	0.248
90	8.817	33.435	8.807	25.944	208.6	0.270
100	8.798	33.593	8.788	26.071	196.8	0.290
110	8.645	33.667	8.634	26.152	189.2	0.309
120	8.485	33.735	8.472	26.231	181.9	0.328
130	8.408	33.761	8.395	26.263	179.1	0.346
140	8.286	33.801	8.272	26.312	174.5	0.364
150	8.152	33.841	8.137	26.364	169.8	0.381
175	7.839	33.912	7.821	26.467	160.4	0.422
200	7.573	33.956	7.554	26.540	153.7	0.461
225	7.275	33.985	7.254	26.606	147.9	0.499
250	7.055	33.998	7.032	26.646	144.3	0.535
300	6.580	34.011	6.554	26.721	137.7	0.605
400	5.927	34.075	5.893	26.857	125.8	0.737
500	5.281	34.130	5.240	26.980	114.8	0.858
505	5.316	34.143	5.275	26.986	114.3	0.863

STA NO 58 OFS 30 LAT: 38 25.3 N LONG: 123 57.2 W
7 JUL 1981 1215 GMT PROBE 2567 DEPTH 3078M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	14.219	32.555	14.219	24.274	365.8	0.004
10	14.227	32.554	14.226	24.272	366.3	0.037
20	14.177	32.556	14.175	24.285	365.3	0.073
30	13.227	32.717	13.223	24.602	335.4	0.109
40	12.755	33.134	12.750	25.018	296.0	0.140
50	10.772	33.080	10.767	25.343	265.2	0.168
60	10.395	33.147	10.388	25.461	254.2	0.194
70	9.828	33.171	9.820	25.575	243.4	0.219
80	9.369	33.342	9.361	25.784	223.7	0.242
90	8.972	33.432	8.962	25.918	211.2	0.264
100	8.922	33.511	8.911	25.987	204.7	0.285
110	8.760	33.613	8.749	26.093	194.9	0.305
120	8.637	33.667	8.625	26.154	189.2	0.324
130	8.562	33.693	8.548	26.186	186.4	0.343
140	8.358	33.757	8.343	26.268	178.8	0.361
150	8.218	33.788	8.203	26.313	174.6	0.379
175	8.152	33.908	8.135	26.418	165.2	0.421
200	7.885	33.946	7.865	26.487	158.9	0.461
225	7.608	33.967	7.586	26.544	153.9	0.501
250	7.326	33.974	7.302	26.590	149.8	0.539
300	7.111	34.041	7.083	26.674	142.6	0.612
400	6.377	34.094	6.342	26.814	130.2	0.748
500	5.365	34.122	5.324	26.964	116.4	0.871
505	5.355	34.126	5.314	26.968	116.1	0.876

STATION 58 OFS 30





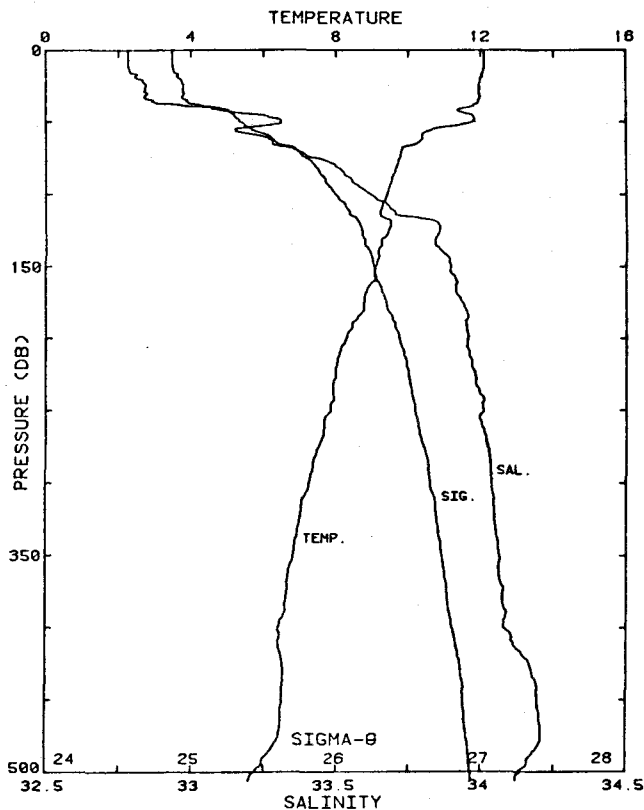
STATION 59 COC 10

STA NO 59 COC 10 LAT: 38 20.7 N LONG:123 54.7 W
7 JUL 1981 1315 GMT PROBE 2567 DEPTH 2358M

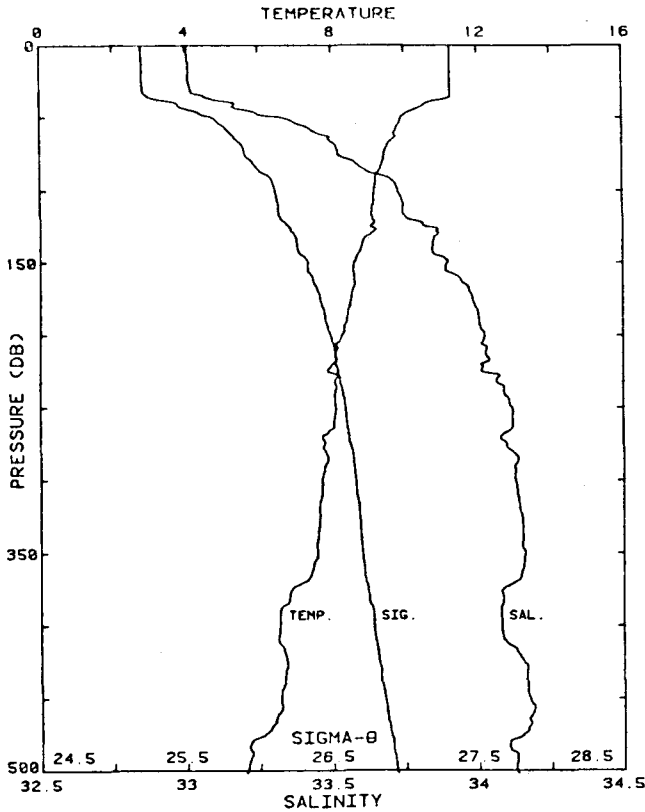
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.501	32.617	13.501	24.470	347.2	0.003
10	13.518	32.613	13.516	24.463	348.0	0.035
20	13.477	32.622	13.474	24.479	346.9	0.069
30	13.124	32.777	13.120	24.669	329.0	0.103
40	12.237	33.251	12.232	25.207	278.0	0.134
50	10.798	33.094	10.792	25.350	264.5	0.161
60	10.323	33.143	10.316	25.470	253.2	0.187
70	9.928	33.297	9.920	25.657	235.7	0.211
80	9.717	33.403	9.708	25.775	224.6	0.234
90	9.630	33.517	9.620	25.878	215.0	0.256
100	9.438	33.612	9.427	25.984	205.2	0.277
110	9.526	33.742	9.514	26.071	197.2	0.297
120	9.476	33.792	9.463	26.118	192.9	0.316
130	9.469	33.862	9.454	26.174	187.8	0.335
140	9.344	33.869	9.329	26.200	185.5	0.354
150	9.042	33.858	9.026	26.240	181.8	0.372
175	8.839	33.931	8.820	26.330	173.7	0.417
200	8.550	33.974	8.529	26.409	166.6	0.459
225	8.022	33.960	8.000	26.478	160.3	0.500
250	7.783	34.011	7.759	26.554	153.5	0.539
300	7.303	34.044	7.275	26.649	145.0	0.614
400	6.694	34.159	6.657	26.824	129.7	0.751
500	5.707	34.133	5.665	26.931	119.9	0.876
506	5.681	34.132	5.638	26.933	119.7	0.883

STA NO 60 OFS 31 LAT: 38 16.2 N LONG:123 51.3 W
7 JUL 1981 1419 GMT PROBE 2567 DEPTH 2491M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.083	32.782	12.083	24.873	308.8	0.003
10	12.085	32.782	12.084	24.873	309.0	0.031
20	11.972	32.814	11.969	24.919	304.9	0.062
30	11.937	32.852	11.933	24.955	301.7	0.092
40	11.651	33.080	11.646	25.185	280.0	0.122
50	11.820	33.309	11.814	25.332	266.4	0.149
60	10.376	33.241	10.369	25.538	246.9	0.175
70	9.806	33.359	9.798	25.726	229.1	0.199
80	9.697	33.493	9.688	25.848	217.7	0.221
90	9.527	33.552	9.518	25.923	210.8	0.242
100	9.402	33.518	9.391	25.994	204.2	0.263
110	9.249	33.687	9.237	26.073	196.9	0.283
120	9.509	33.850	9.496	26.158	189.1	0.302
130	9.328	33.845	9.314	26.184	186.8	0.321
140	9.147	33.865	9.132	26.229	182.7	0.340
150	9.090	33.896	9.074	26.263	179.7	0.358
175	8.762	33.937	8.744	26.346	172.2	0.402
200	8.282	33.956	8.262	26.436	164.0	0.444
225	7.981	33.931	7.959	26.501	158.1	0.484
250	7.840	34.008	7.816	26.543	154.5	0.523
300	7.258	34.037	7.229	26.650	144.9	0.598
400	6.389	34.078	6.353	26.800	131.6	0.735
500	5.752	34.134	5.710	26.926	120.4	0.861
506	5.592	34.121	5.550	26.935	119.4	0.868



STATION 60 OFS 31



STATION 61 OFS 32

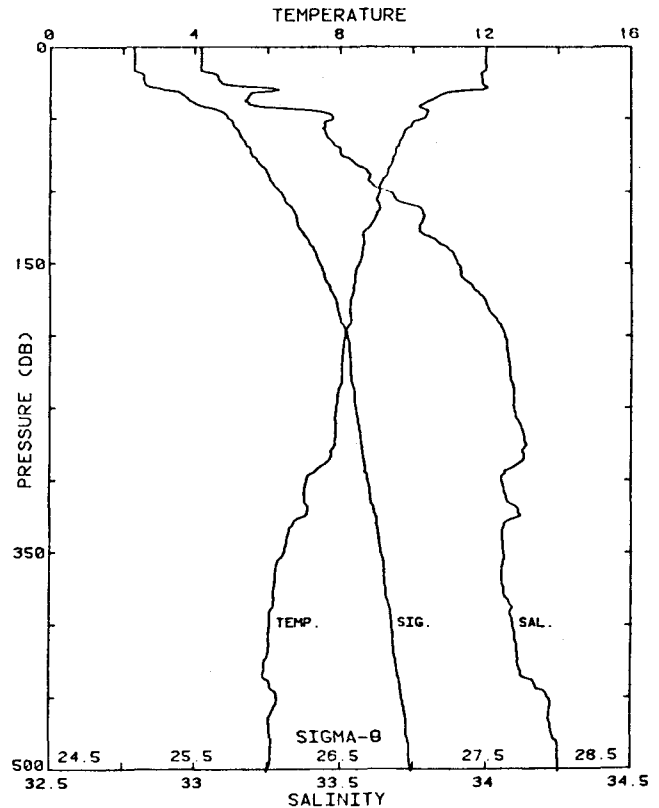
STA NO 61 OFS 32 LAT: 38 11.5 N LONG:123 48.3 W
7 JUL 1981 1523 GMT PROBE 2567 DEPTH 2579M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	11.264	33.004	11.264	25.196	278.0	0.000
10	11.263	33.008	11.262	25.199	277.9	0.028
20	11.261	33.013	11.258	25.204	277.7	0.056
30	11.262	33.020	11.259	25.209	277.5	0.083
40	10.610	33.169	10.605	25.441	255.6	0.111
50	9.918	33.325	9.912	25.680	233.1	0.135
60	9.733	33.444	9.726	25.804	221.5	0.158
70	9.524	33.517	9.517	25.895	213.0	0.180
80	9.411	33.581	9.403	25.964	206.7	0.201
90	9.221	33.676	9.211	26.069	196.9	0.221
100	9.181	33.729	9.171	26.117	192.5	0.240
110	9.142	33.748	9.131	26.138	190.8	0.260
120	9.116	33.761	9.103	26.153	189.5	0.279
130	9.076	33.865	9.062	26.240	181.4	0.297
140	8.806	33.845	8.792	26.267	179.0	0.315
150	8.613	33.897	8.597	26.338	172.4	0.333
175	8.517	33.982	8.499	26.420	165.1	0.375
200	8.275	34.021	8.255	26.488	159.1	0.416
225	7.867	34.011	7.844	26.541	154.3	0.455
250	8.094	34.116	8.068	26.590	150.3	0.493
300	7.696	34.126	7.667	26.657	144.5	0.566
400	6.544	34.078	6.508	26.780	133.6	0.706
500	5.658	34.129	5.616	26.934	119.6	0.833
502	5.627	34.133	5.585	26.941	118.9	0.836

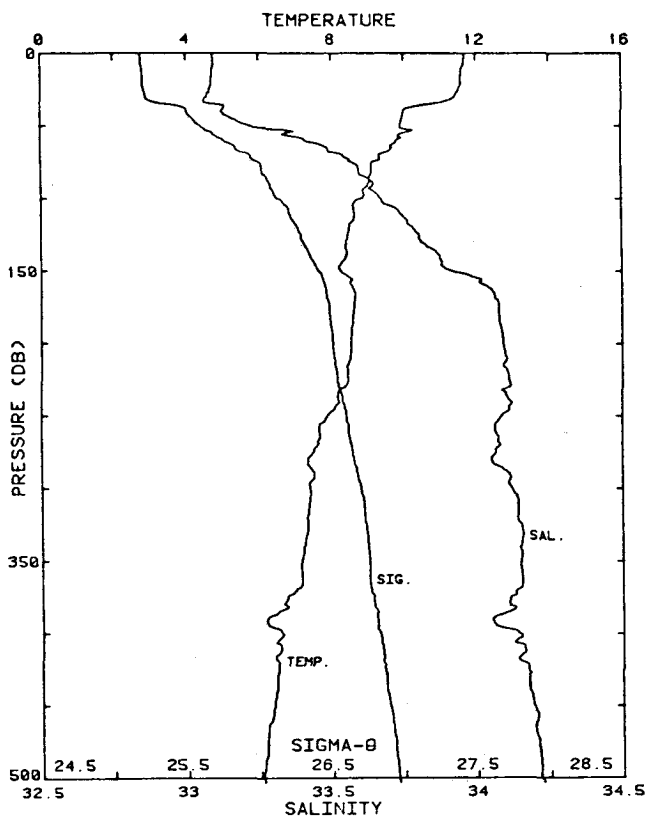
STA NO 62 ROS 10 LAT: 38 6.8 N LONG:123 45.5 W
7 JUL 1981 1629 GMT PROBE 2567 DEPTH 2870M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.015	33.020	12.014	25.070	290.0	0.000
10	11.991	33.022	11.989	25.076	289.6	0.029
20	11.871	33.075	11.869	25.140	283.3	0.058
30	11.932	33.286	11.928	25.292	269.6	0.086
40	10.278	33.184	10.273	25.509	249.1	0.112
50	10.316	33.474	10.310	25.728	228.5	0.135
60	9.742	33.448	9.735	25.806	221.3	0.158
70	9.587	33.485	9.579	25.860	216.3	0.179
80	9.426	33.540	9.418	25.929	209.9	0.201
90	9.270	33.604	9.260	26.004	203.0	0.221
100	9.094	33.662	9.083	26.078	196.1	0.241
110	9.085	33.748	9.073	26.147	189.8	0.261
120	8.938	33.784	8.925	26.199	185.1	0.279
130	8.627	33.784	8.614	26.247	180.6	0.298
140	8.621	33.869	8.606	26.315	174.4	0.315
150	8.522	33.903	8.507	26.357	170.6	0.333
175	8.272	33.996	8.255	26.468	160.4	0.374
200	8.116	34.064	8.096	26.545	153.6	0.414
225	8.034	34.082	8.012	26.572	151.4	0.452
250	7.878	34.097	7.854	26.607	148.5	0.489
300	7.066	34.052	7.038	26.688	141.2	0.562
400	6.048	34.092	6.013	26.855	126.1	0.695
500	5.992	34.250	5.949	26.988	114.9	0.815
502	5.984	34.251	5.941	26.990	114.3	0.817

21-27DB FROM RECAST



STATION 62 ROS 10

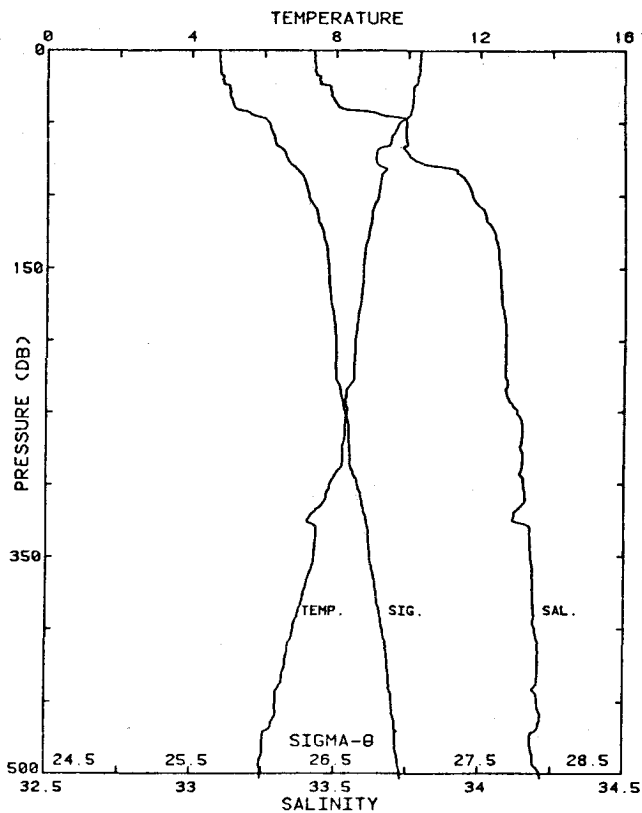


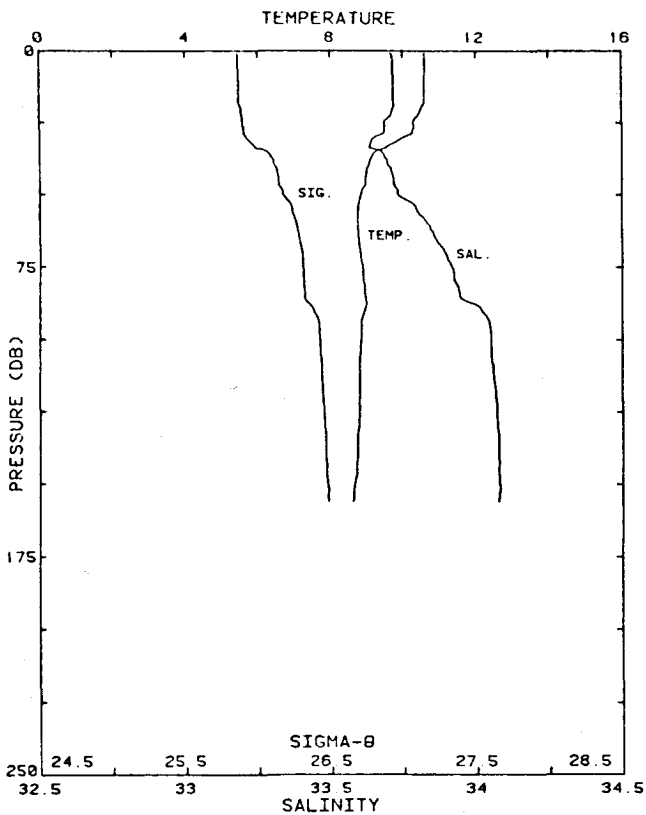
STA NO 63 OFS 33 LAT: 38 0.0 N LONG:123 41.1 W
7 JUL 1981 1748 GMT PROBE 2567 DEPTH 2844M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.684	33.094	11.683	25.189	278.7	0.003
10	11.617	33.092	11.616	25.200	277.9	0.028
20	11.579	33.088	11.577	25.204	277.7	0.056
30	11.413	33.071	11.410	25.222	276.3	0.083
40	10.005	33.124	10.005	25.508	249.1	0.110
50	9.904	33.221	9.899	25.601	240.6	0.134
60	9.794	33.406	9.787	25.764	225.3	0.157
70	9.345	33.543	9.337	25.944	208.3	0.179
80	9.109	33.596	9.100	26.024	200.9	0.200
90	9.016	33.646	9.006	26.078	196.0	0.220
100	8.843	33.671	8.832	26.125	191.7	0.239
110	8.633	33.737	8.622	26.209	183.8	0.258
120	8.493	33.781	8.481	26.266	178.6	0.276
130	8.387	33.810	8.374	26.304	175.1	0.293
140	8.392	33.874	8.378	26.354	170.7	0.311
150	8.249	33.913	8.234	26.406	165.8	0.328
175	8.606	34.077	8.587	26.480	159.4	0.368
200	8.521	34.091	8.501	26.505	157.5	0.408
225	8.423	34.109	8.400	26.534	155.2	0.447
250	7.865	34.084	7.840	26.599	149.3	0.485
300	7.376	34.118	7.348	26.697	140.6	0.557
400	6.580	34.139	6.544	26.824	129.6	0.693
500	6.061	34.218	6.018	26.954	118.2	0.816
503	6.096	34.227	6.052	26.957	118.0	0.820

STA NO 64 OFS 34 LAT: 37 53.7 N LONG:123 37.3 W
7 JUL 1981 1906 GMT PROBE 2567 DEPTH 2801M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.332	33.421	10.332	25.684	231.6	0.002
10	10.301	33.425	10.300	25.692	231.1	0.023
20	10.254	33.438	10.252	25.710	229.5	0.046
30	10.142	33.482	10.139	25.764	224.7	0.069
40	10.101	33.520	10.096	25.801	221.4	0.091
50	9.760	33.745	9.754	26.033	199.5	0.112
60	9.528	33.742	9.521	26.070	196.2	0.132
70	9.123	33.744	9.116	26.137	190.0	0.151
80	9.196	33.839	9.187	26.200	184.2	0.170
90	9.235	33.947	9.225	26.278	177.0	0.188
100	9.169	33.973	9.158	26.309	174.3	0.206
110	9.009	34.010	8.997	26.364	169.3	0.223
120	8.957	34.032	8.944	26.389	167.1	0.240
130	8.883	34.052	8.869	26.417	164.6	0.256
140	8.792	34.062	8.777	26.440	162.7	0.273
150	8.760	34.067	8.744	26.448	162.0	0.289
175	8.680	34.074	8.662	26.467	160.7	0.329
200	8.535	34.088	8.514	26.500	158.0	0.369
225	8.519	34.090	8.495	26.505	158.0	0.408
250	8.317	34.129	8.291	26.567	152.6	0.447
300	7.841	34.152	7.811	26.656	144.7	0.522
400	6.837	34.193	6.800	26.831	129.1	0.659
500	5.966	34.213	5.923	26.962	117.3	0.782
503	5.966	34.215	5.923	26.963	117.2	0.785





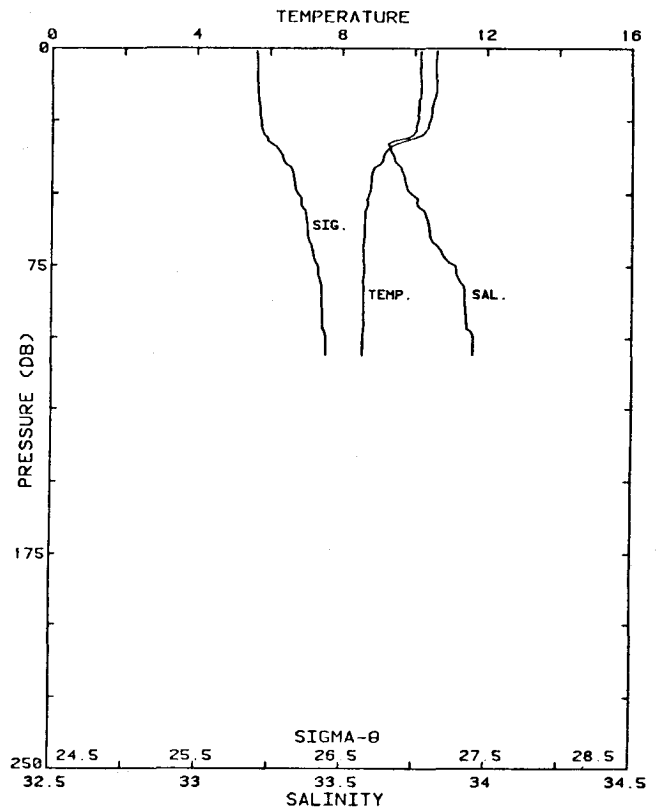
STA NO 65 OFS 35 LAT: 37 55.3 N LONG:123 24.5 W
7 JUL 1981 2115 GMT PROBE 2567 DEPTH 158M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.609	33.709	10.609	25.860	214.9	0.002
10	10.594	33.719	10.592	25.870	214.2	0.021
20	10.497	33.717	10.495	25.886	212.9	0.043
30	10.051	33.656	10.048	25.915	210.3	0.064
40	9.052	33.699	9.047	26.113	191.6	0.084
50	8.833	33.731	8.828	26.172	186.2	0.103
60	8.747	33.832	8.740	26.265	177.6	0.121
70	8.810	33.892	8.803	26.302	174.3	0.139
80	8.905	33.927	8.896	26.315	173.3	0.156
90	8.934	34.020	8.925	26.383	167.0	0.173
100	8.829	34.051	8.819	26.424	163.4	0.190
110	8.787	34.057	8.776	26.436	162.4	0.206
120	8.784	34.067	8.772	26.444	161.8	0.222
130	8.752	34.070	8.738	26.451	161.3	0.238
140	8.715	34.074	8.700	26.461	160.6	0.254
150	8.641	34.078	8.626	26.475	159.4	0.270
156	8.590	34.075	8.573	26.481	159.0	0.280

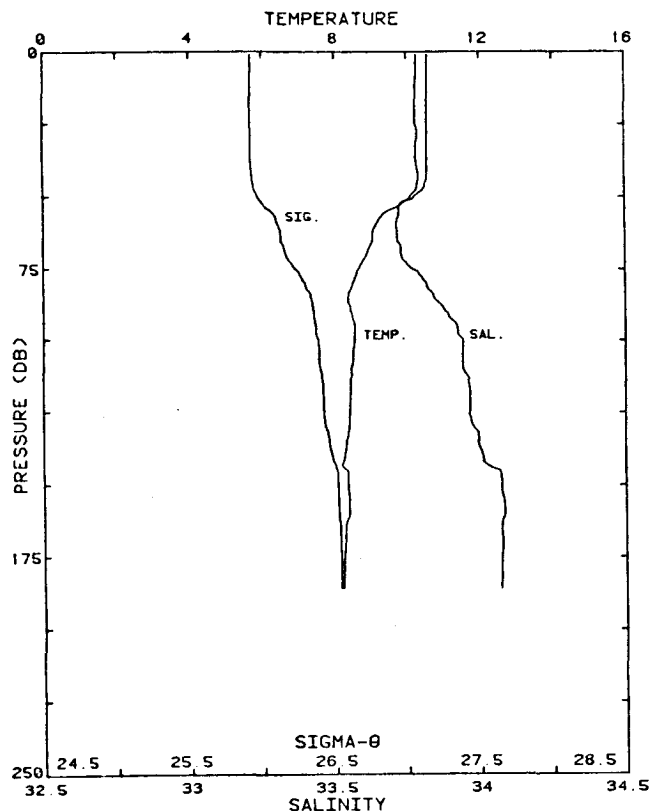
LINEAR INTERP. 119-124 DB.
LINEAR INTERP. 152-154 DB.

STA NO 66 OFS 36 LAT: 38 0.0 N LONG:123 20.4 W
7 JUL 1981 2246 GMT PROBE 2567 DEPTH 111M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.607	33.770	10.607	25.907	210.4	0.002
10	10.586	33.770	10.585	25.911	210.2	0.021
20	10.471	33.762	10.469	25.925	209.1	0.042
30	10.197	33.741	10.194	25.956	206.4	0.063
40	9.023	33.689	9.019	26.109	192.0	0.083
50	8.748	33.733	8.743	26.189	184.6	0.101
60	8.615	33.795	8.609	26.257	178.4	0.119
70	8.584	33.842	8.577	26.298	174.6	0.137
80	8.586	33.905	8.577	26.347	170.1	0.154
90	8.598	33.926	8.589	26.363	168.9	0.171
100	8.563	33.953	8.552	26.389	166.6	0.188
106	8.562	33.953	8.551	26.389	166.7	0.198



STATION 66 OFS 36

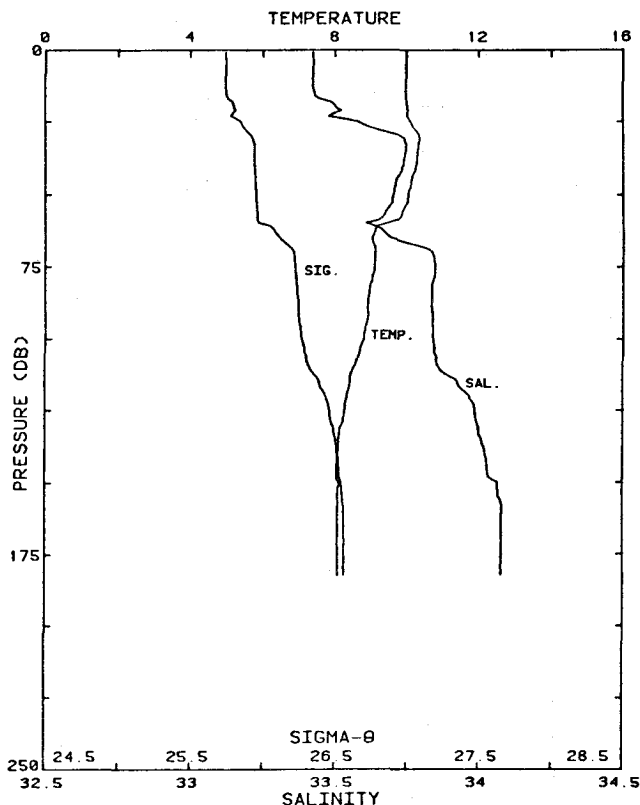


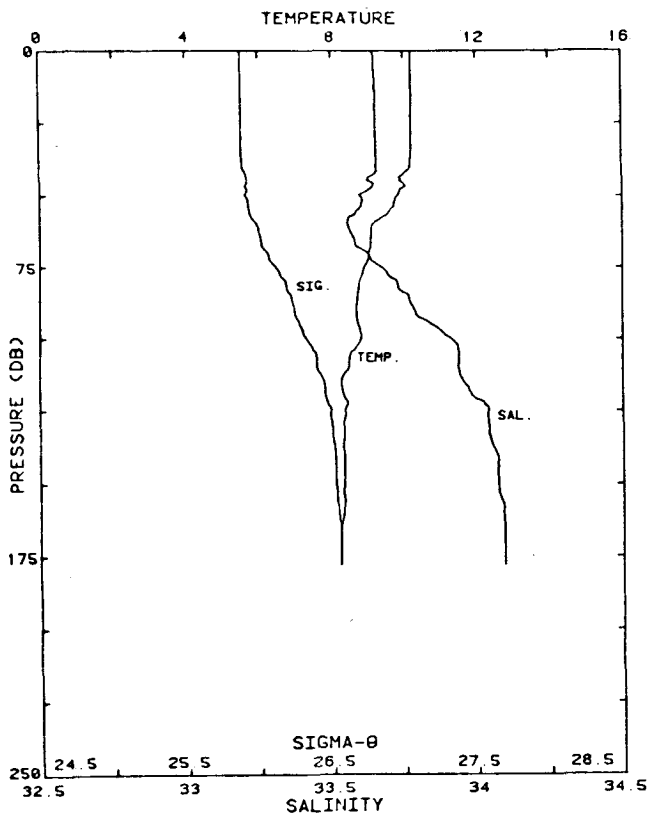
STA NO 67 OFS 37 LAT: 38 7.1 N LONG:123 21.9 W
8 JUL 1981 0009 GMT PROBE 2567 DEPTH 191M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.574	33.784	10.574	25.924	208.8	0.002
10	10.568	33.781	10.567	25.923	209.1	0.021
20	10.560	33.780	10.558	25.924	209.3	0.042
30	10.570	33.787	10.566	25.928	209.1	0.063
40	10.568	33.787	10.563	25.928	209.4	0.084
50	10.208	33.760	10.202	25.970	205.6	0.105
60	9.132	33.713	9.126	26.112	192.2	0.124
70	8.887	33.729	8.880	26.163	187.5	0.143
80	8.489	33.816	8.481	26.293	175.3	0.161
90	8.435	33.880	8.426	26.351	170.0	0.179
100	8.537	33.940	8.527	26.383	167.1	0.196
110	8.433	33.941	8.422	26.399	165.8	0.212
120	8.413	33.964	8.401	26.421	163.9	0.229
130	8.381	33.975	8.368	26.434	162.9	0.245
140	8.252	34.009	8.237	26.481	158.5	0.261
150	8.341	34.072	8.325	26.517	155.4	0.277
175	8.223	34.071	8.205	26.534	154.2	0.315
186	8.201	34.069	8.182	26.536	154.2	0.332

STA NO 68 OFS 38 LAT: 38 13.3 N LONG:123 23.0 W
8 JUL 1981 0129 GMT PROBE 2567 DEPTH 184M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.977	33.422	9.977	25.745	225.9	0.002
10	9.977	33.423	9.978	25.746	226.0	0.023
20	10.014	33.505	10.012	25.804	220.7	0.045
30	10.340	33.727	10.336	25.921	209.7	0.067
40	10.264	33.738	10.259	25.943	207.9	0.088
50	10.044	33.703	10.039	25.953	207.1	0.108
60	9.494	33.608	9.488	25.971	205.6	0.129
70	9.108	33.837	9.100	26.213	182.8	0.148
80	9.021	33.842	9.012	26.230	181.4	0.166
90	8.901	33.837	8.892	26.245	180.1	0.184
100	8.783	33.839	8.773	26.266	178.3	0.202
110	8.509	33.863	8.498	26.327	172.7	0.220
120	8.323	33.967	8.311	26.437	162.4	0.237
130	8.190	33.995	8.177	26.479	158.5	0.253
140	8.077	34.022	8.063	26.517	155.1	0.268
150	8.125	34.065	8.110	26.544	152.7	0.284
175	8.077	34.080	8.060	26.563	151.4	0.322
182	8.077	34.079	8.058	26.562	151.6	0.332





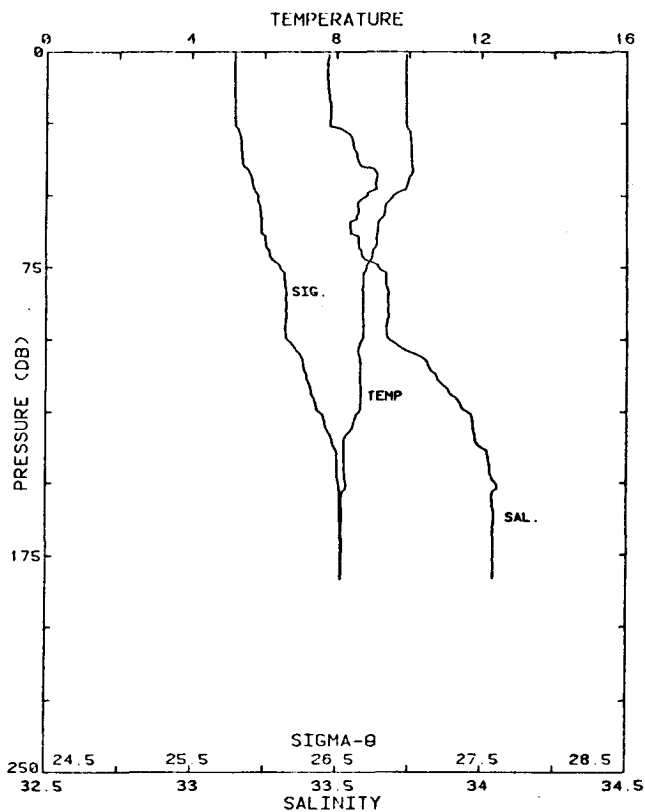
STATION 69 HUN 12

STA NO 69 HUN 12 LAT: 38 19.2 N LONG: 123 26.2 W
8 JUL 1981 0316 GMT PROBE 2567 DEPTH 177M

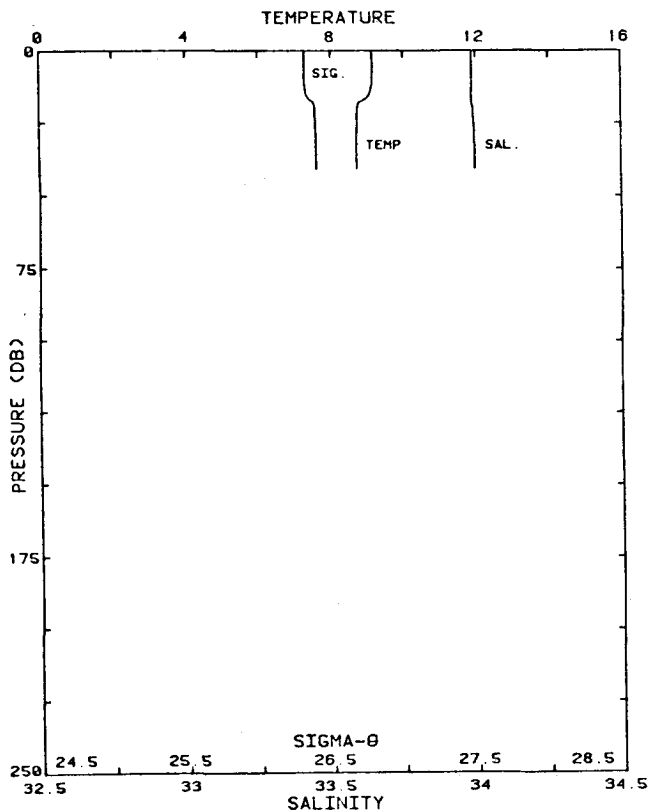
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	10.209	33.638	10.209	25.874	213.6	0.000
10	10.216	33.651	10.215	25.882	213.0	0.021
20	10.221	33.652	10.219	25.883	213.1	0.043
30	10.214	33.655	10.211	25.897	213.0	0.064
40	10.187	33.657	10.183	25.893	212.7	0.085
50	9.849	33.595	9.843	25.902	212.0	0.106
60	9.161	33.554	9.154	25.983	204.4	0.127
70	9.021	33.622	9.014	26.058	197.5	0.147
80	8.755	33.725	8.746	26.181	186.0	0.167
90	8.666	33.785	8.656	26.241	180.4	0.185
100	8.793	33.909	8.782	26.319	173.3	0.203
110	8.455	33.936	8.444	26.393	166.4	0.219
120	8.316	33.985	8.304	26.452	160.9	0.236
130	8.305	34.039	8.292	26.496	156.9	0.252
140	8.314	34.067	8.300	26.517	155.2	0.267
150	8.301	34.071	8.286	26.522	154.9	0.283
175	8.210	34.092	8.193	26.553	152.4	0.321
178	8.210	34.092	8.192	26.553	152.5	0.326

STA NO 70 HUN 11 LAT: 38 23.7 N LONG: 123 30.0 W
8 JUL 1981 0429 GMT PROBE 2567 DEPTH 184M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.906	33.471	9.906	25.795	221.1	0.002
10	9.898	33.466	9.897	25.793	221.5	0.022
20	9.923	33.472	9.921	25.799	221.1	0.044
30	10.033	33.551	10.029	25.837	217.7	0.066
40	10.073	33.584	10.068	25.856	216.2	0.088
50	9.560	33.603	9.554	25.956	206.9	0.109
60	9.135	33.547	9.128	25.981	204.6	0.130
70	8.986	33.585	8.979	26.035	199.7	0.150
80	8.730	33.671	8.722	26.143	189.6	0.169
90	8.721	33.675	8.711	26.147	189.3	0.188
100	8.697	33.682	8.687	26.156	188.7	0.207
110	8.650	33.819	8.639	26.271	178.0	0.225
120	8.663	33.913	8.651	26.342	171.4	0.243
130	8.446	33.970	8.433	26.421	164.1	0.260
140	8.190	34.020	8.176	26.499	156.9	0.276
150	8.246	34.047	8.231	26.512	155.9	0.291
175	8.117	34.040	8.100	26.526	154.9	0.330
183	8.118	34.041	8.099	26.526	155.0	0.342



STATION 70 HUN 11



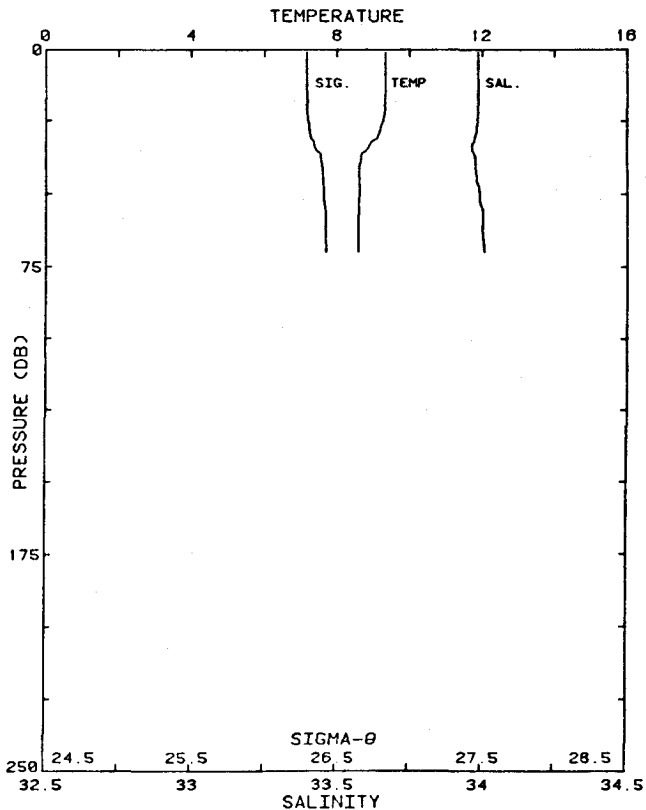
STATION 71 COC 1

STA NO 71 COC 1 LAT: 38 39.8 N LONG: 123 25.7 W
 8 JUL 1981 0710 GMT PROBE 2567 DEPTH 45M
 0.7 KM FROM SHORE

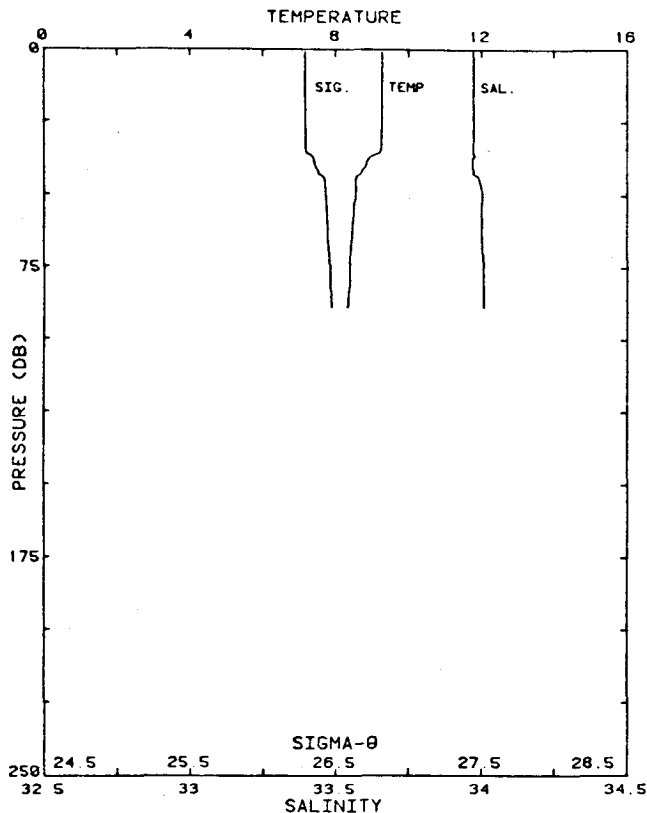
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.155	33.987	9.155	26.320	171.1	0.000
10	9.151	33.987	9.150	26.321	171.3	0.017
20	8.728	33.991	8.726	26.391	164.8	0.034
30	8.708	33.995	8.705	26.398	164.4	0.050
40	8.704	33.996	8.700	26.400	164.4	0.067
41	8.704	33.996	8.699	26.400	164.4	0.069

STA NO 72 COC 2 LAT: 38 39.0 N LONG: 123 27.0 W
 8 JUL 1981 0744 GMT PROBE 2567 DEPTH 75M
 3.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.331	33.986	9.331	26.291	174.0	0.002
10	9.334	33.986	9.333	26.291	174.1	0.017
20	9.317	33.985	9.314	26.293	174.1	0.035
30	9.129	33.977	9.126	26.318	172.0	0.052
40	8.617	33.978	8.612	26.399	164.4	0.069
50	8.618	33.992	8.613	26.410	163.7	0.085
60	8.590	34.003	8.583	26.423	162.6	0.102
70	8.591	34.008	8.584	26.427	162.4	0.118



STATION 72 COC 2



STATION 73 COC 3

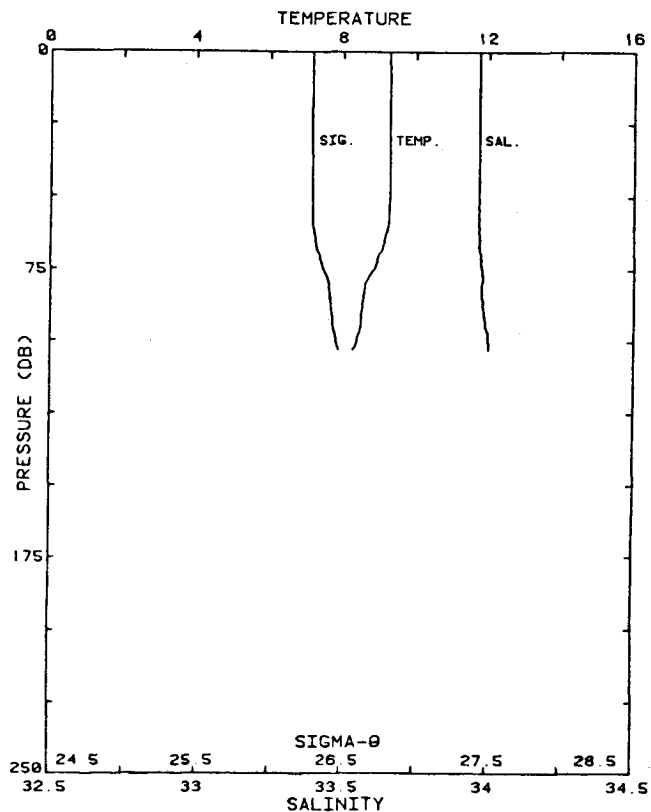
STA NO 73 COC 3 LAT: 38 37.5 N LONG: 123 29.1 W
 8 JUL 1981 0817 GMT PROBE 2567 DEPTH 93M
 7.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.276	33.972	9.276	26.290	174.1	0.002
10	9.274	33.973	9.273	26.291	174.2	0.017
20	9.267	33.973	9.264	26.292	174.3	0.035
30	9.262	33.973	9.259	26.293	174.4	0.052
40	8.838	33.969	8.833	26.358	168.4	0.070
50	8.544	34.003	8.539	26.430	161.8	0.086
60	8.459	34.002	8.453	26.443	160.7	0.102
70	8.398	34.003	8.391	26.453	159.9	0.118
80	8.372	34.007	8.364	26.460	159.4	0.134
89	8.313	34.008	8.304	26.470	158.7	0.148

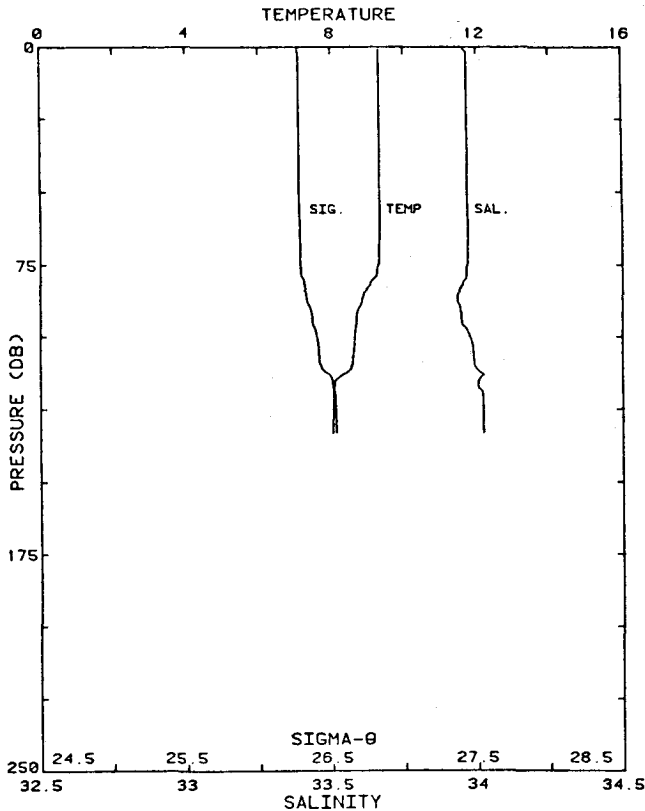
STA NO 74 COC 4 LAT: 38 36.4 N LONG: 123 30.8 W
 8 JUL 1981 0856 GMT PROBE 2567 DEPTH 107M
 10.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	9.273	33.967	9.273	26.286	174.4	0.000
10	9.274	33.967	9.273	26.286	174.6	0.017
20	9.280	33.967	9.278	26.285	174.9	0.035
30	9.279	33.967	9.276	26.285	175.1	0.052
40	9.281	33.968	9.277	26.286	175.2	0.070
50	9.282	33.968	9.276	26.286	175.5	0.087
60	9.243	33.968	9.237	26.292	175.1	0.105
70	8.978	33.975	8.971	26.341	170.7	0.122
80	8.605	33.979	8.596	26.403	164.9	0.139
90	8.501	33.985	8.492	26.423	163.1	0.156
100	8.381	34.001	8.371	26.455	160.3	0.172
103	8.277	34.002	8.267	26.471	158.8	0.177

LINEAR INTERPOLATE 22-33DB



STATION 74 COC 4



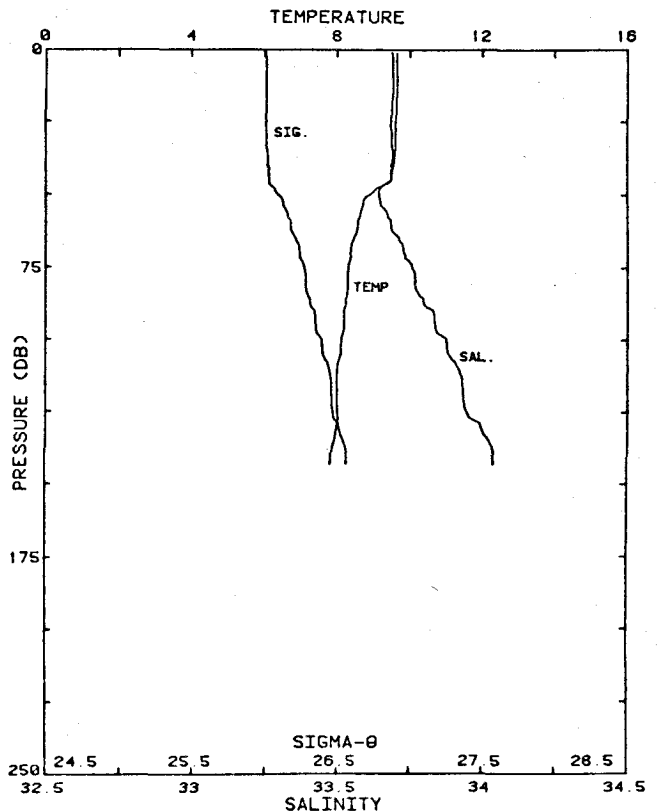
STATION 75 COC 5

STA NO 75 COC 5 LAT: 38 35.7 N LONG: 123 33.4 W
 8 JUL 1981 0946 GMT PROBE 2567 DEPTH 137M
 14.6 KM FROM SHORE

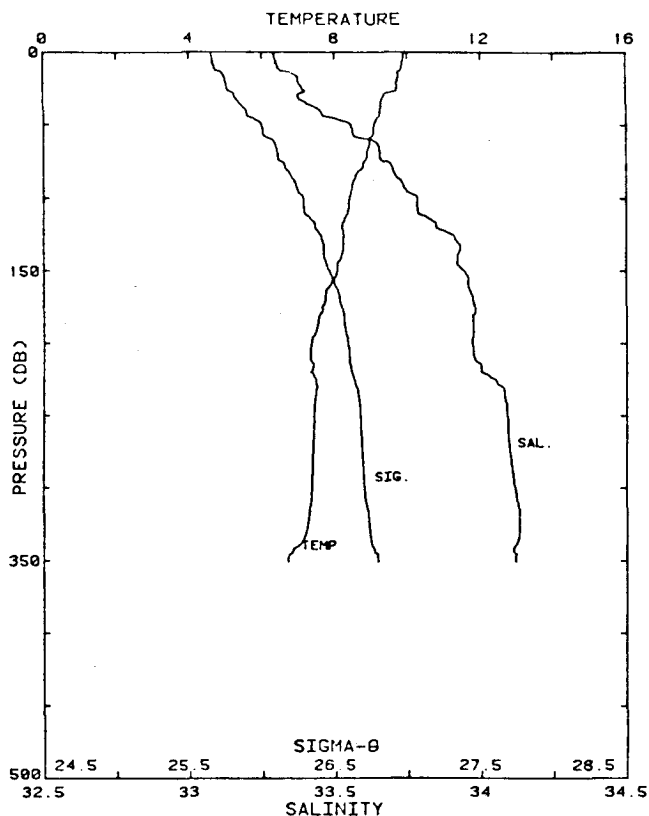
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.330	33.956	9.330	26.268	176.1	0.002
10	9.330	33.967	9.329	26.277	175.5	0.018
20	9.332	33.968	9.329	26.277	175.6	0.035
30	9.331	33.968	9.328	26.278	175.8	0.053
40	9.327	33.969	9.323	26.279	175.9	0.070
50	9.328	33.968	9.323	26.279	176.2	0.088
60	9.324	33.969	9.318	26.280	176.2	0.106
70	9.306	33.968	9.298	26.283	176.2	0.123
80	9.145	33.961	9.137	26.303	174.5	0.141
90	8.750	33.942	8.741	26.351	170.1	0.158
100	8.629	33.973	8.619	26.395	166.1	0.175
110	8.536	33.993	8.524	26.425	163.4	0.191
120	8.029	34.018	8.017	26.521	154.3	0.207
130	8.012	34.020	8.000	26.525	154.1	0.222
133	8.004	34.021	7.990	26.527	154.0	0.227

STA NO 76 COC 6 LAT: 38 32.8 N LONG: 123 36.2 W
 8 JUL 1981 1034 GMT PROBE 2567 DEPTH 148M
 21.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.631	33.687	9.631	26.009	200.8	0.002
10	9.644	33.691	9.643	26.010	200.8	0.020
20	9.627	33.688	9.625	26.010	201.0	0.040
30	9.610	33.689	9.607	26.014	200.9	0.060
40	9.543	33.683	9.539	26.021	200.4	0.080
50	8.919	33.644	8.914	26.091	193.9	0.100
60	8.564	33.685	8.557	26.179	185.8	0.119
70	8.378	33.731	8.370	26.243	179.8	0.137
80	8.300	33.771	8.292	26.286	175.9	0.155
90	8.201	33.832	8.192	26.349	170.1	0.172
100	8.115	33.879	8.105	26.399	165.6	0.189
110	8.006	33.920	7.996	26.447	161.1	0.206
120	7.994	33.927	7.982	26.463	159.8	0.222
130	7.980	33.996	7.967	26.511	155.4	0.238
140	7.837	34.040	7.824	26.567	150.3	0.253
143	7.833	34.041	7.819	26.568	150.2	0.257



STATION 76 COC 6



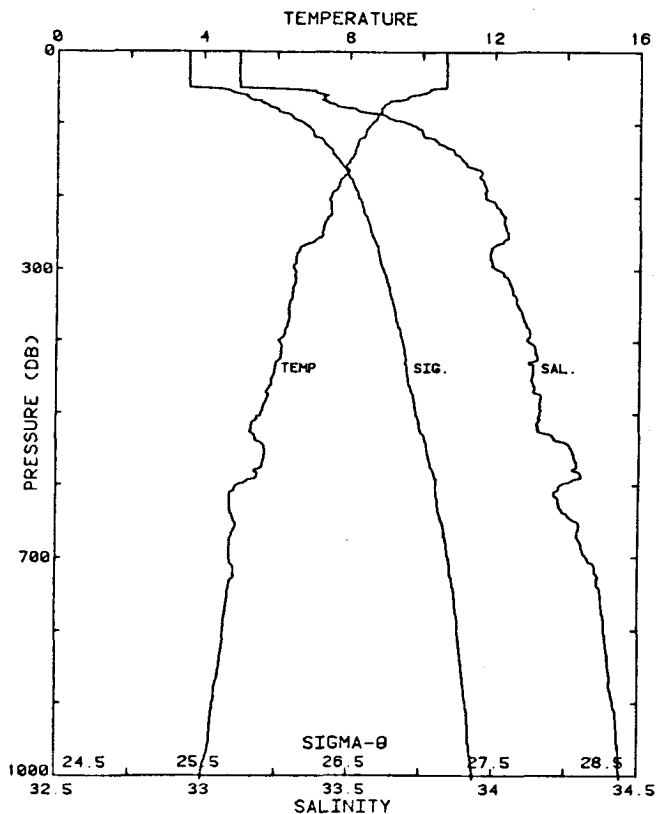
STATION 77 COC 7

STA NO 77 COC 7 LAT: 38 30.4 N LONG:123 39.7 W
 8 JUL 1981 1123 GMT PROBE 2567 DEPTH 363M
 28.1 KM FROM SHORE

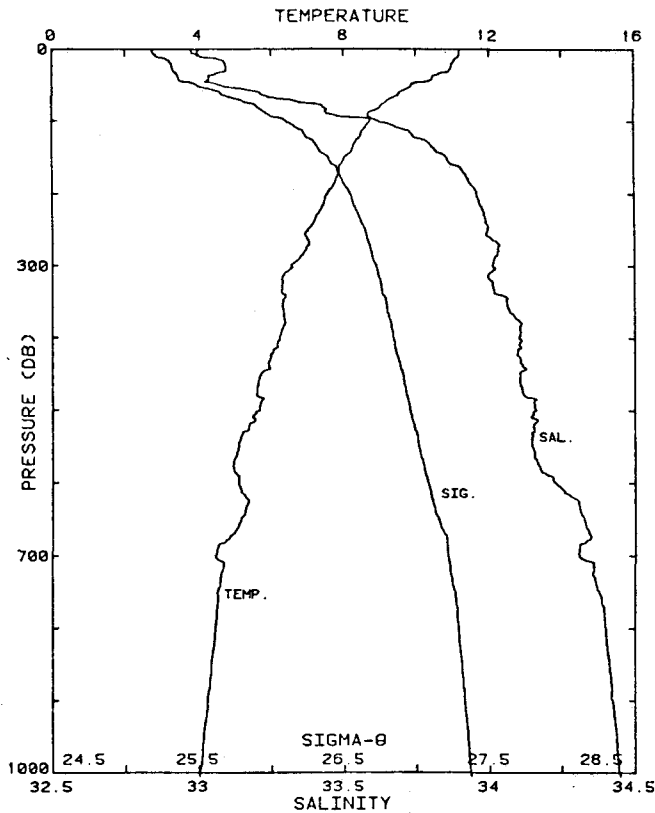
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.913	33.291	9.913	25.654	234.5	0.002
10	9.845	33.306	9.843	25.677	232.5	0.023
20	9.736	33.375	9.734	25.749	225.8	0.046
30	9.359	33.374	9.356	25.810	220.3	0.069
40	9.236	33.447	9.232	25.887	213.1	0.090
50	9.078	33.555	9.072	25.976	203.0	0.111
60	8.960	33.626	8.954	26.071	196.1	0.131
70	8.878	33.655	8.871	26.107	192.9	0.151
80	8.744	33.699	8.736	26.162	187.7	0.170
90	8.489	33.733	8.480	26.228	181.6	0.188
100	8.395	33.783	8.385	26.282	176.7	0.206
110	8.349	33.786	8.338	26.291	176.0	0.224
120	8.192	33.847	8.180	26.363	169.4	0.241
130	8.219	33.918	8.206	26.415	164.6	0.258
140	8.173	33.922	8.159	26.424	163.9	0.274
150	8.056	33.942	8.041	26.458	160.9	0.290
175	7.657	33.980	7.640	26.547	152.7	0.330
200	7.342	33.969	7.323	26.583	149.6	0.367
225	7.466	34.048	7.445	26.628	145.9	0.404
250	7.405	34.090	7.382	26.670	142.3	0.440
300	7.350	34.117	7.321	26.700	140.3	0.511
351	6.691	34.118	6.659	26.792	131.9	0.581

STA NO 78 COC 8 LAT: 38 27.1 N LONG:123 44.5 W
 8 JUL 1981 1254 GMT PROBE 2567 DEPTH 1162M
 37.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.643	33.122	10.643	25.397	258.9	0.003
10	10.647	33.122	10.646	25.397	259.1	0.026
20	10.640	33.120	10.646	25.396	259.5	0.052
30	10.649	33.120	10.646	25.395	259.7	0.078
40	10.650	33.120	10.645	25.396	259.9	0.104
50	10.617	33.122	10.611	25.403	259.5	0.130
60	9.676	33.424	9.669	25.797	222.1	0.153
70	9.070	33.423	9.062	25.895	212.9	0.175
80	8.849	33.522	8.840	26.007	202.5	0.196
90	8.752	33.627	8.742	26.104	193.4	0.216
100	8.587	33.704	8.576	26.191	185.4	0.235
110	8.442	33.748	8.431	26.247	180.2	0.253
120	8.280	33.787	8.268	26.302	175.1	0.271
130	8.200	33.826	8.187	26.345	171.2	0.288
140	8.134	33.862	8.120	26.383	167.8	0.305
150	7.994	33.890	7.979	26.426	163.9	0.322
175	7.783	33.952	7.766	26.507	156.6	0.362
200	7.496	33.969	7.477	26.561	151.7	0.400
225	7.511	34.029	7.489	26.607	147.9	0.438
250	7.261	34.044	7.237	26.654	143.7	0.474
300	6.490	34.008	6.463	26.731	136.7	0.544
400	6.060	34.113	6.025	26.870	124.7	0.674
500	5.585	34.158	5.544	26.965	116.6	0.795
600	4.931	34.233	4.883	27.103	103.9	0.906
800	4.592	34.385	4.529	27.262	90.6	1.099
1000	3.991	34.441	3.916	27.372	81.0	1.271
1005	3.987	34.442	3.911	27.374	81.0	1.275



STATION 78 COC 8



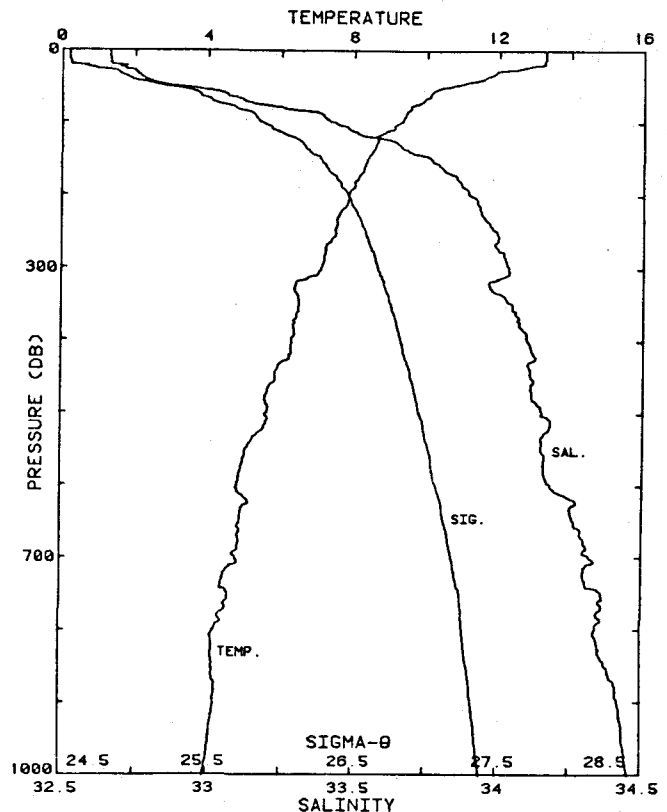
STATION 79 COC 9

STA NO 79 COC 9 LAT: 38 23.9 N LONG:123 49.2 W
 8 JUL 1981 1423 GMT PROBE 2567 DEPTH 1695M
 46.4 KM FROM SHORE

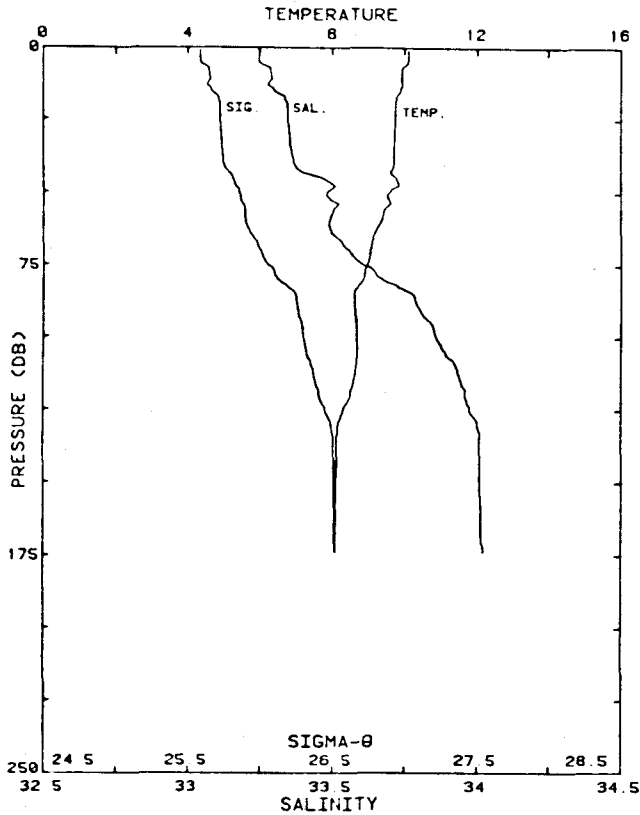
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	11.202	32.978	11.202	25.186	279.0	0.006
10	11.182	33.000	11.181	25.207	277.2	0.028
20	10.993	33.094	10.991	25.315	267.2	0.055
30	10.919	33.098	10.916	25.331	265.9	0.082
40	10.448	33.040	10.447	25.368	262.5	0.108
50	9.880	33.069	9.874	25.487	251.4	0.134
60	9.551	33.208	9.545	25.650	236.1	0.158
70	9.262	33.285	9.254	25.756	226.1	0.182
80	9.039	33.429	9.031	25.904	212.3	0.204
90	8.695	33.444	8.686	25.970	206.1	0.224
100	8.733	33.620	8.723	26.102	193.8	0.244
110	8.592	33.696	8.581	26.184	186.2	0.263
120	8.475	33.741	8.463	26.237	181.4	0.282
130	8.307	33.795	8.294	26.305	175.1	0.300
140	8.237	33.817	8.223	26.332	172.6	0.317
150	8.021	33.856	8.006	26.396	166.7	0.334
175	7.830	33.922	7.813	26.476	159.5	0.375
200	7.561	33.957	7.542	26.543	153.5	0.414
225	7.345	33.981	7.324	26.592	149.1	0.452
250	7.023	33.995	7.000	26.648	144.1	0.488
300	6.549	34.011	6.523	26.725	137.3	0.559
400	6.225	34.103	6.190	26.841	127.5	0.691
500	5.673	34.161	5.631	26.957	117.4	0.813
600	5.084	34.226	5.035	27.079	106.4	0.925
800	4.457	34.399	4.395	27.288	88.0	1.115
1000	4.028	34.448	3.952	27.374	81.0	1.265
1005	4.023	34.449	3.947	27.376	80.9	1.289

STA NO 80 COC10 LAT: 38 20.8 N LONG:123 54.5 W
 8 JUL 1981 1554 GMT PROBE 2567 DEPTH 2371M
 55.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.281	32.662	13.281	24.549	339.7	0.003
10	13.275	32.663	13.274	24.551	339.7	0.034
20	13.235	32.666	13.232	24.561	339.0	0.068
30	11.930	32.753	11.927	24.879	308.9	0.100
40	11.563	32.784	11.558	24.972	300.3	0.131
50	10.476	32.870	10.470	25.197	279.1	0.160
60	10.096	33.056	10.090	25.441	256.0	0.186
70	9.902	33.124	9.894	25.526	248.1	0.212
80	9.548	33.258	9.539	25.690	232.7	0.236
90	9.388	33.393	9.378	25.821	220.5	0.258
100	9.248	33.433	9.237	25.875	215.5	0.280
110	9.004	33.483	8.993	25.953	208.2	0.301
120	8.567	33.553	8.555	26.075	196.7	0.322
130	8.592	33.652	8.578	26.149	189.9	0.341
140	8.493	33.667	8.479	26.192	186.0	0.360
150	8.368	33.762	8.353	26.270	178.8	0.378
175	8.123	33.852	8.105	26.378	168.9	0.421
200	7.849	33.899	7.829	26.455	161.9	0.463
225	7.607	33.941	7.586	26.524	155.8	0.503
250	7.507	33.994	7.483	26.580	150.9	0.541
300	7.114	34.035	7.086	26.668	143.1	0.614
400	6.309	34.099	6.273	26.827	129.0	0.750
500	5.644	34.152	5.602	26.953	117.7	0.873
600	4.840	34.182	4.793	27.072	106.7	0.984
800	4.226	34.346	4.165	27.271	89.1	1.179
1000	3.916	34.456	3.841	27.392	79.1	1.347
1002	3.909	34.457	3.834	27.393	78.9	1.349



STATION 80 COC 10

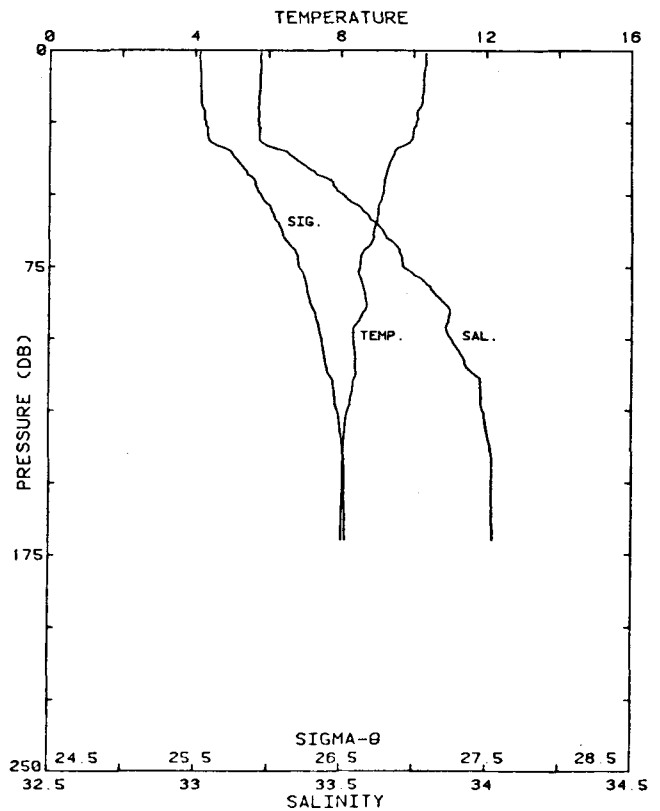


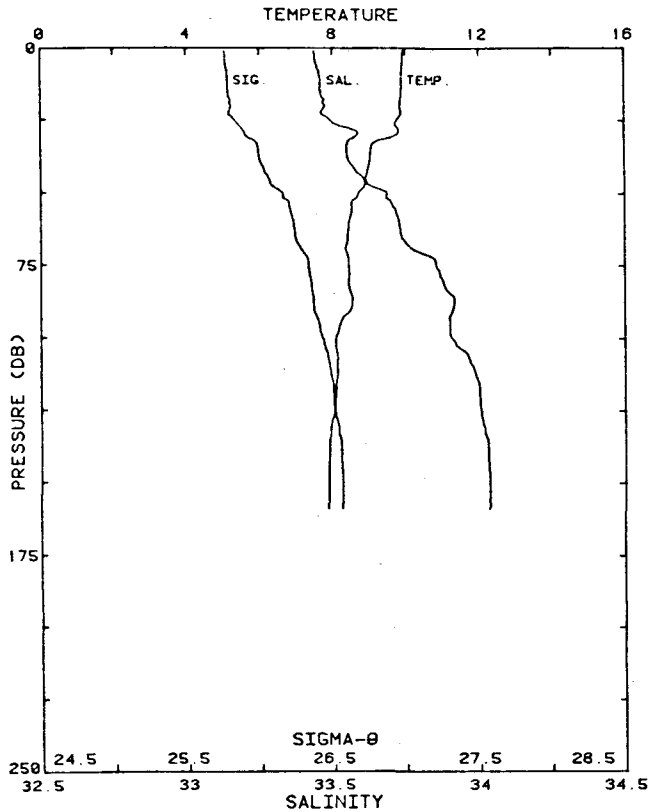
STA NO 81 HUN-11 LAT: 38 23.7 N LONG:123 29.9 W
 8 JUL 1981 1909 GMT PROBE 2567 DEPTH 177M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.112	33.247	10.112	25.586	240.9	0.002
10	9.916	33.290	9.915	25.653	234.8	0.024
20	9.746	33.345	9.743	25.724	228.2	0.047
30	9.725	33.352	9.722	25.733	227.6	0.070
40	9.704	33.368	9.700	25.749	226.2	0.093
50	9.591	33.481	9.586	25.856	216.4	0.115
60	9.354	33.489	9.348	25.901	212.2	0.136
70	9.039	33.556	9.031	26.003	202.7	0.157
80	8.853	33.670	8.845	26.122	191.6	0.177
90	8.618	33.799	8.609	26.260	178.7	0.195
100	8.669	33.857	8.658	26.298	175.3	0.212
110	8.642	33.927	8.631	26.356	169.9	0.230
120	8.485	33.958	8.472	26.405	165.5	0.247
130	8.145	34.000	8.132	26.490	157.5	0.263
140	8.107	34.009	8.093	26.503	156.5	0.278
150	8.085	34.009	8.070	26.506	156.4	0.294
174	8.083	34.021	8.065	26.516	155.8	0.331

STA NO 82 HUN-10 LAT: 38 28.1 N LONG:123 33.2 W
 8 JUL 1981 2009 GMT PROBE 2567 DEPTH 173M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.327	33.222	10.327	25.530	246.3	0.002
10	10.267	33.219	10.266	25.538	245.7	0.025
20	10.168	33.212	10.165	25.550	244.8	0.049
30	9.968	33.217	9.964	25.587	241.4	0.073
40	9.315	33.379	9.311	25.821	219.4	0.096
50	9.150	33.507	9.145	25.947	207.6	0.118
60	8.963	33.624	8.957	26.069	196.2	0.138
70	8.595	33.701	8.588	26.186	185.3	0.157
80	8.564	33.784	8.556	26.256	178.8	0.175
90	8.672	33.874	8.663	26.310	173.9	0.193
100	8.335	33.077	8.325	26.365	168.9	0.210
110	8.330	33.931	8.326	26.400	165.7	0.227
120	8.274	33.982	8.262	26.456	160.5	0.243
130	8.115	33.977	8.102	26.492	157.3	0.259
140	8.061	34.016	8.047	26.515	155.3	0.275
150	8.030	34.017	8.015	26.521	154.9	0.290
170	8.006	34.022	7.989	26.529	154.5	0.321





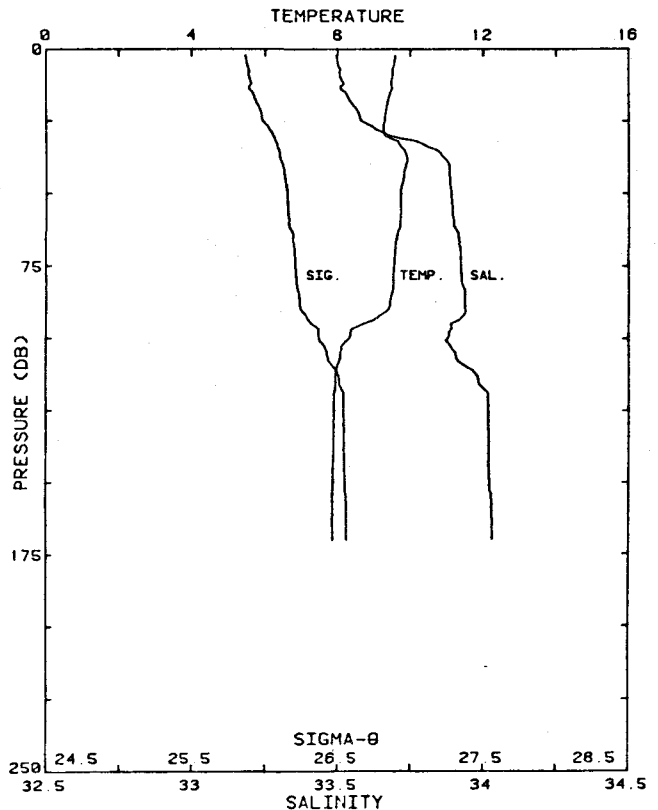
STA NO 83 HUN-9 LAT: 38 31.4 N LONG:123 36.5 W
 8 JUL 1981 2105 GMT PROBE 2567 DEPTH 164M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.933	33.438	9.933	25.765	223.9	0.002
10	9.898	33.459	9.897	25.787	222.1	0.022
20	9.848	33.476	9.846	25.809	220.2	0.044
30	9.780	33.586	9.777	25.906	211.2	0.066
40	8.992	33.563	8.987	26.016	200.9	0.087
50	8.697	33.687	8.692	26.159	187.4	0.106
60	8.437	33.727	8.431	26.231	180.8	0.125
70	8.348	33.780	8.341	26.286	175.7	0.142
80	8.422	33.874	8.413	26.349	170.0	0.160
90	8.483	33.911	8.473	26.368	168.4	0.177
100	8.063	33.904	8.053	26.426	163.0	0.193
110	8.107	33.978	8.096	26.478	158.2	0.209
120	8.055	34.001	8.043	26.504	156.0	0.225
130	7.935	34.013	7.922	26.532	153.5	0.240
140	7.880	34.029	7.866	26.552	151.8	0.256
150	7.857	34.033	7.842	26.558	151.3	0.271
159	7.861	34.034	7.846	26.559	151.4	0.284

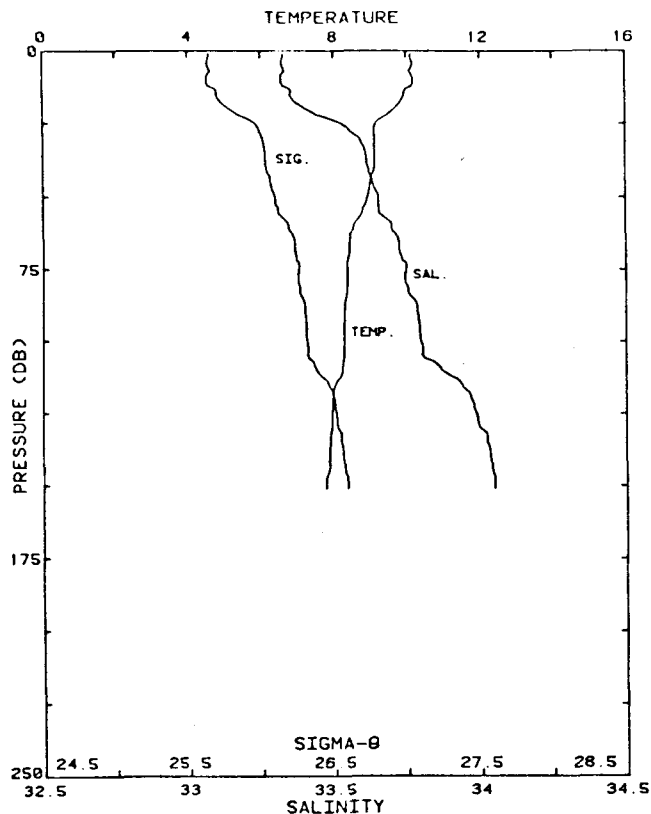
STA NO 84 HUN-8 LAT: 38 36.4 N LONG:123 40.3 W
 8 JUL 1981 2210 GMT PROBE 2567 DEPTH 171M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
2	9.581	33.493	9.581	25.866	214.4	0.004
10	9.501	33.511	9.500	25.894	211.9	0.021
20	9.343	33.558	9.341	25.956	206.2	0.042
30	9.299	33.675	9.296	26.054	197.1	0.063
40	9.872	33.883	9.868	26.122	190.9	0.082
50	9.737	33.891	9.732	26.152	188.3	0.101
60	9.711	33.900	9.704	26.163	187.4	0.120
70	9.588	33.924	9.581	26.202	183.9	0.138
80	9.534	33.927	9.525	26.214	183.0	0.157
90	9.411	33.939	9.401	26.243	180.4	0.175
100	8.317	33.879	8.307	26.368	168.5	0.192
110	7.972	33.945	7.962	26.472	158.7	0.208
120	7.889	34.016	7.877	26.540	152.5	0.224
130	7.888	34.017	7.875	26.541	152.5	0.239
140	7.876	34.019	7.862	26.545	152.4	0.254
150	7.865	34.022	7.850	26.549	152.2	0.270
170	7.850	34.032	7.833	26.559	151.5	0.300

CHANGED LINES 3519,3520,3521



STATION 84 HUN 8

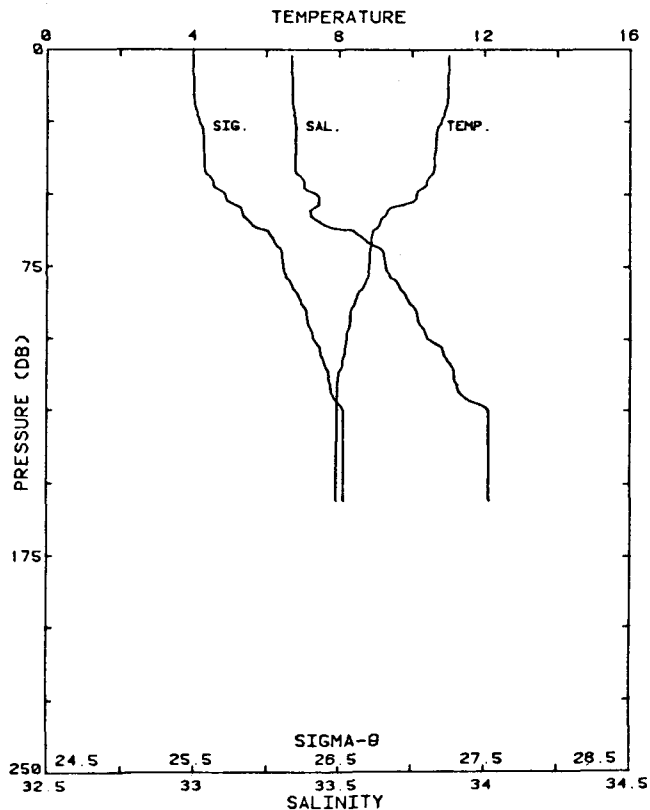


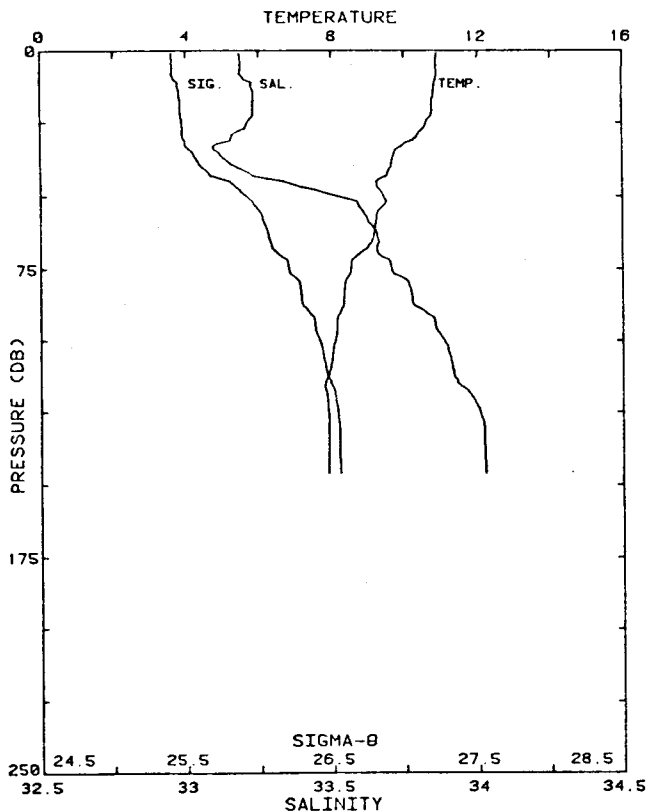
STA NO 85 HUN-7 LAT: 38 40.8 N LONG:123 43.7 W
9 JUL 1981 2315 GMT PROBE 2567 DEPTH 162M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.123	33.328	10.122	25.447	235.1	0.002
10	10.186	33.321	10.184	25.631	236.9	0.024
20	9.655	33.407	9.653	25.787	222.2	0.047
30	9.121	33.587	9.118	26.014	200.9	0.067
40	9.113	33.619	9.109	26.040	198.5	0.087
50	8.924	33.654	8.919	26.098	193.3	0.107
60	8.542	33.700	8.536	26.193	184.4	0.126
70	8.405	33.727	8.398	26.236	180.5	0.144
80	8.358	33.745	8.349	26.257	178.6	0.162
90	8.276	33.785	8.267	26.301	174.6	0.180
100	8.259	33.796	8.249	26.312	173.8	0.197
110	8.209	33.868	8.198	26.377	167.9	0.214
120	7.944	33.967	7.932	26.494	156.9	0.230
130	7.916	33.997	7.903	26.521	154.4	0.246
140	7.851	34.034	7.837	26.560	150.9	0.261
150	7.741	34.046	7.726	26.586	148.7	0.276
151	7.741	34.046	7.726	26.586	148.6	0.278

STA NO 86 HUN-6 LAT: 38 44.6 N LONG:123 47.9 W
9 JUL 1981 0018 GMT PROBE 2567 DEPTH 162M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
2	11.014	33.335	11.014	25.498	249.4	0.005
10	10.980	33.339	10.979	25.507	248.7	0.025
20	10.948	33.342	10.946	25.515	248.2	0.050
30	10.667	33.351	10.663	25.572	242.9	0.074
40	10.623	33.350	10.619	25.579	242.5	0.099
50	10.135	33.422	10.129	25.719	229.4	0.122
60	9.138	33.437	9.132	25.895	212.8	0.145
70	8.858	33.652	8.850	26.107	192.8	0.165
80	8.735	33.694	8.726	26.159	188.0	0.184
90	8.334	33.763	8.325	26.275	177.1	0.202
100	8.212	33.804	8.202	26.326	172.5	0.220
110	8.089	33.890	8.078	26.412	164.5	0.236
120	7.959	33.927	7.947	26.460	160.1	0.253
130	7.941	34.015	7.929	26.531	153.5	0.268
140	7.930	34.016	7.916	26.534	153.4	0.283
150	7.933	34.016	7.918	26.534	153.6	0.299
156	7.932	34.016	7.916	26.534	153.7	0.308





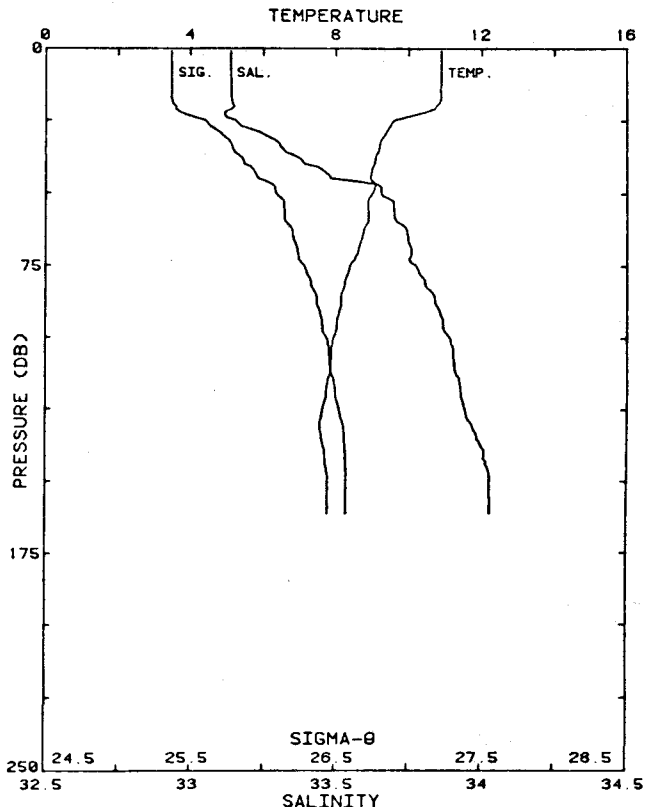
STATION 87 HUN 5

STA NO 87 HUN-5 LAT: 38 49.2 N LONG:123 51.9 W
 9 JUL 1981 0124 GMT PROBE 2567 DEPTH 153M

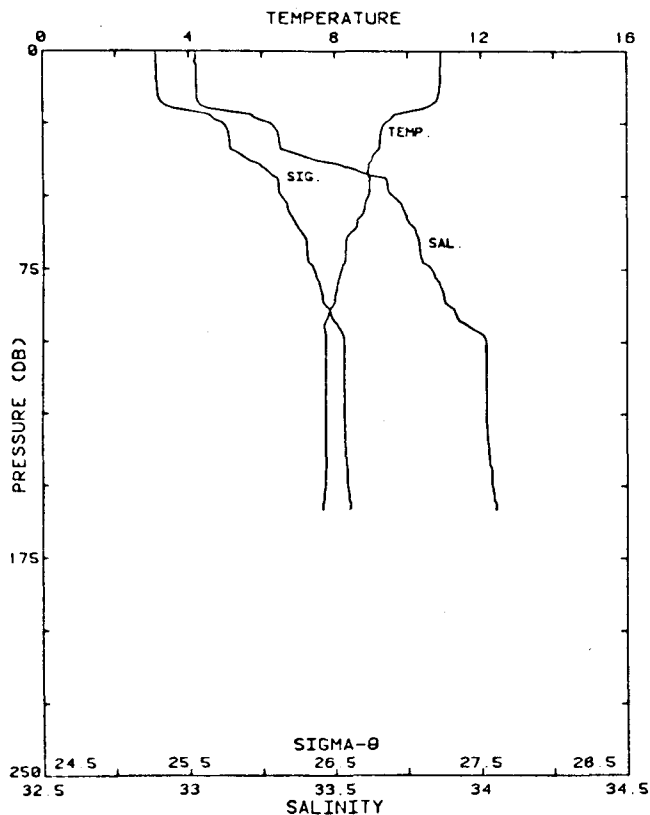
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	10.890	33.184	10.889	25.402	258.4	0.003
10	10.868	33.200	10.867	25.418	257.1	0.026
20	10.750	33.230	10.748	25.463	253.1	0.051
30	10.332	33.154	10.328	25.477	252.0	0.076
40	9.634	33.175	9.630	25.610	239.5	0.101
50	9.416	33.512	9.410	25.909	211.3	0.124
60	9.192	33.636	9.186	26.042	198.9	0.144
70	8.750	33.660	8.743	26.130	190.6	0.163
80	8.345	33.764	8.337	26.274	177.1	0.182
90	8.216	33.818	8.207	26.336	171.4	0.199
100	8.072	33.883	8.062	26.409	164.6	0.216
110	7.934	33.913	7.923	26.452	160.6	0.232
120	7.846	33.982	7.835	26.520	154.4	0.248
130	7.885	34.020	7.872	26.544	152.3	0.263
140	7.879	34.022	7.865	26.547	152.2	0.279
146	7.863	34.026	7.849	26.552	151.8	0.288

STA NO 88 HUN-4 LAT: 38 54.0 N LONG:123 55.1 W
 9 JUL 1981 0226 GMT PROBE 2567 DEPTH 165M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	10.891	33.139	10.891	25.367	241.8	0.003
10	10.897	33.139	10.896	25.366	262.1	0.026
20	10.760	33.150	10.758	25.399	259.1	0.052
30	9.338	33.253	9.335	25.719	228.9	0.077
40	9.057	33.392	9.053	25.872	214.5	0.099
50	9.002	33.656	8.996	26.087	194.3	0.119
60	8.875	33.708	8.868	26.148	188.7	0.138
70	8.583	33.757	8.576	26.232	180.9	0.157
80	8.229	33.804	8.221	26.323	172.4	0.174
90	8.103	33.850	8.094	26.378	167.3	0.191
100	7.934	33.892	7.924	26.436	162.0	0.208
110	7.852	33.908	7.841	26.461	159.8	0.224
120	7.725	33.931	7.713	26.497	156.5	0.240
130	7.555	33.967	7.543	26.550	151.6	0.255
140	7.695	34.010	7.681	26.564	150.5	0.270
150	7.764	34.029	7.749	26.569	150.2	0.285
161	7.772	34.031	7.756	26.569	150.4	0.302



STATION 88 HUN 4



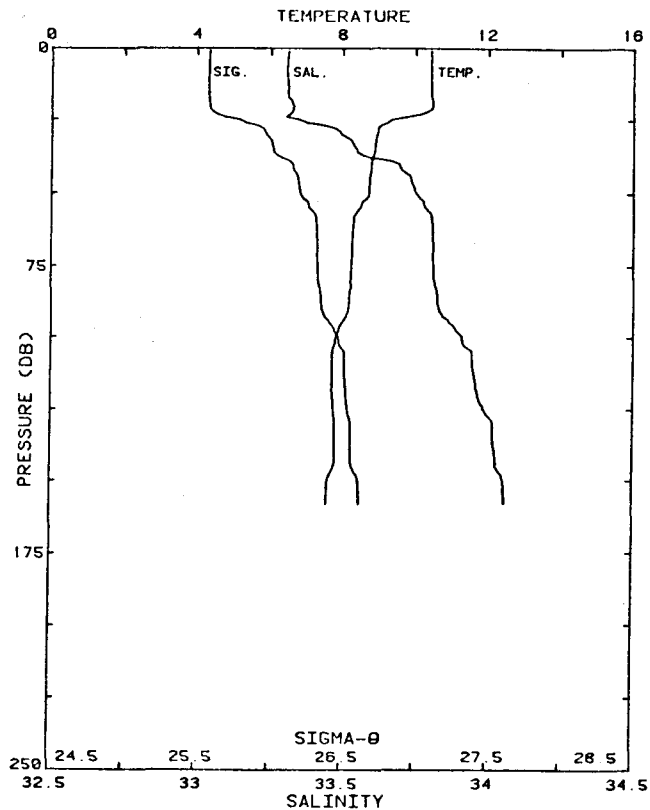
STATION 89 HUN 3

STA NO 89 HUN-3 LAT: 39 58.0 N LONG:123 56.2 W
9 JUL 1981 0314 GMT PROBE 2567 DEPTH 161M

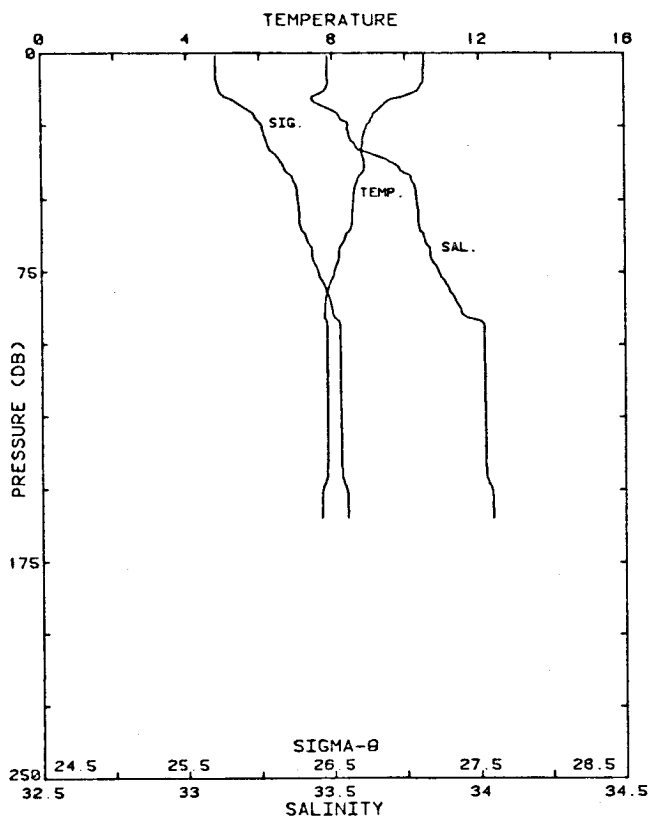
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	10.907	33.023	10.907	25.274	270.6	0.003
10	10.886	33.026	10.885	25.280	270.2	0.027
20	10.399	33.070	10.397	25.399	259.1	0.054
30	9.232	33.311	9.229	25.781	223.0	0.077
40	8.927	33.537	8.923	26.006	201.8	0.099
50	8.912	33.696	8.906	26.133	190.0	0.118
60	8.585	33.758	8.579	26.232	180.7	0.137
70	8.271	33.792	8.264	26.307	173.8	0.154
80	8.054	33.857	8.046	26.391	165.9	0.171
90	7.829	33.910	7.820	26.466	159.0	0.187
100	7.747	34.017	7.738	26.561	150.1	0.203
110	7.743	34.018	7.732	26.563	150.1	0.218
120	7.741	34.019	7.729	26.564	150.2	0.233
130	7.739	34.021	7.727	26.566	150.2	0.248
140	7.739	34.027	7.725	26.571	149.9	0.263
150	7.714	34.038	7.699	26.583	148.9	0.278
158	7.657	34.050	7.641	26.601	147.3	0.290

STA NO 90 HUN-2 LAT: 39 2.0 N LONG:123 56.4 W
9 JUL 1981 0403 GMT PROBE 2567 DEPTH 160M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	10.420	33.309	10.419	25.582	241.4	0.002
10	10.426	33.305	10.425	25.577	242.0	0.024
20	10.471	33.329	10.469	25.589	241.1	0.048
30	8.938	33.495	8.935	25.971	204.9	0.071
40	8.777	33.694	8.773	26.153	187.9	0.091
50	8.731	33.753	8.726	26.206	183.1	0.109
60	8.294	33.808	8.288	26.316	172.7	0.127
70	8.261	33.813	8.254	26.325	172.0	0.144
80	8.226	33.816	8.218	26.333	171.4	0.161
90	8.156	33.831	8.147	26.355	169.5	0.178
100	7.812	33.912	7.802	26.469	158.8	0.195
110	7.709	33.949	7.699	26.514	154.8	0.210
120	7.725	33.767	7.713	26.526	153.8	0.226
130	7.789	34.019	7.777	26.557	151.0	0.241
140	7.806	34.025	7.792	26.560	150.9	0.256
150	7.607	34.056	7.592	26.613	146.1	0.271
158	7.575	34.060	7.557	26.621	145.4	0.283



STATION 90 HUN 2



STATION 91 HUN 1

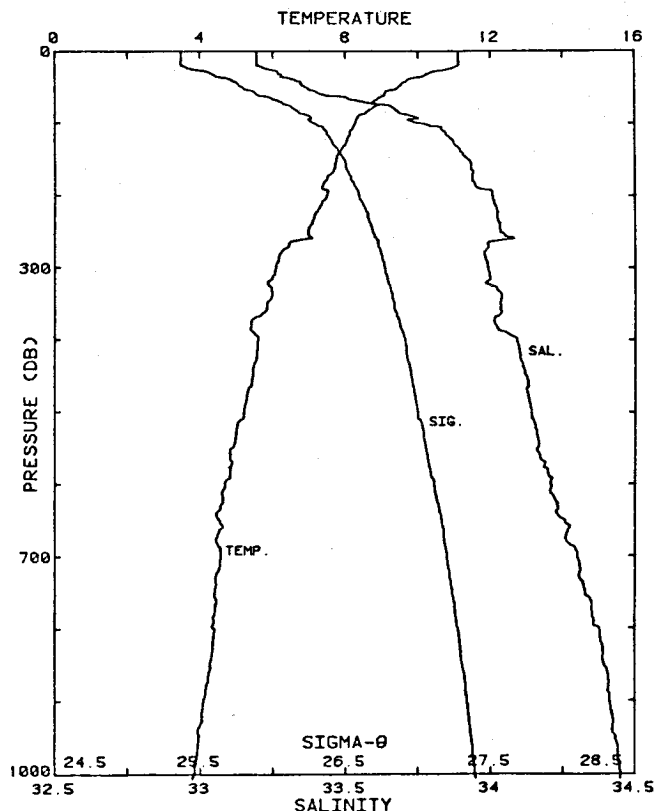
STA NO 91 HUN-1 LAT: 39 7.0 N LONG:123 56.8 W
 9 JUL 1981 0457 GMT PROBE 2567 DEPTH 166M

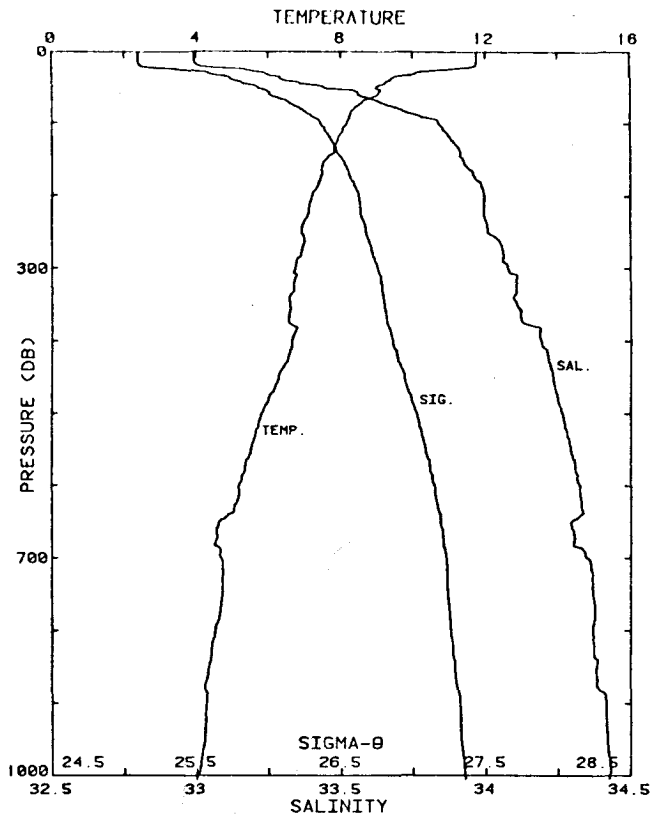
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	10.520	33.484	10.520	25.700	230.1	0.002
10	10.492	33.486	10.490	25.707	229.6	0.023
20	9.224	33.502	9.224	25.931	208.5	0.045
30	8.814	33.564	8.811	26.045	197.9	0.065
40	8.849	33.732	8.845	26.171	186.1	0.085
50	8.565	33.786	8.560	26.257	178.1	0.103
60	8.485	33.776	8.479	26.277	176.4	0.120
70	8.156	33.834	8.149	26.357	169.0	0.138
80	7.888	33.892	7.880	26.442	161.0	0.154
90	7.754	33.943	7.745	26.502	155.5	0.170
100	7.834	34.016	7.825	26.548	151.4	0.185
110	7.835	34.018	7.824	26.549	151.4	0.200
120	7.836	34.018	7.824	26.550	151.6	0.215
130	7.835	34.019	7.822	26.551	151.6	0.230
140	7.827	34.020	7.813	26.553	151.6	0.246
150	7.693	34.040	7.678	26.588	148.4	0.261
160	7.666	34.045	7.650	26.596	147.8	0.276

STA NO 92 AR-7 LAT: 38 50.2 N LONG:124 8.1 W
 9 JUL 1981 1019 GMT PROBE 2567 DEPTH 2124M
 37.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	11.121	33.197	11.121	25.371	261.4	0.003
10	11.124	33.196	11.123	25.370	261.7	0.026
20	11.124	33.196	11.121	25.370	261.9	0.052
30	10.356	33.268	10.352	25.561	244.0	0.078
40	9.704	33.326	9.700	25.716	229.4	0.102
50	9.456	33.363	9.450	25.786	223.0	0.124
60	9.067	33.417	9.061	25.890	213.2	0.146
70	8.792	33.554	8.785	26.041	199.1	0.167
80	8.723	33.669	8.715	26.141	189.7	0.186
90	8.350	33.725	8.341	26.243	180.2	0.204
100	8.270	33.745	8.260	26.271	177.7	0.222
110	8.131	33.834	8.120	26.362	169.3	0.240
120	8.058	33.859	8.046	26.392	166.6	0.256
130	7.985	33.877	7.972	26.417	164.3	0.273
140	7.848	33.898	7.834	26.454	161.0	0.289
150	7.738	33.921	7.724	26.488	157.9	0.305
175	7.500	33.937	7.483	26.535	153.7	0.344
200	7.490	34.006	7.471	26.571	148.9	0.382
225	7.165	34.024	7.144	26.652	143.4	0.419
250	6.961	34.034	6.938	26.687	140.4	0.454
300	6.068	33.989	6.042	26.771	132.6	0.522
400	5.586	34.091	5.553	26.911	120.3	0.649
500	5.203	34.141	5.163	26.997	113.0	0.766
600	4.685	34.208	4.639	27.110	102.9	0.874
800	4.397	34.375	4.335	27.276	89.0	1.065
1000	3.833	34.451	3.758	27.396	78.4	1.232
1006	3.783	34.449	3.709	27.399	78.0	1.237

STATION 92 AR 7





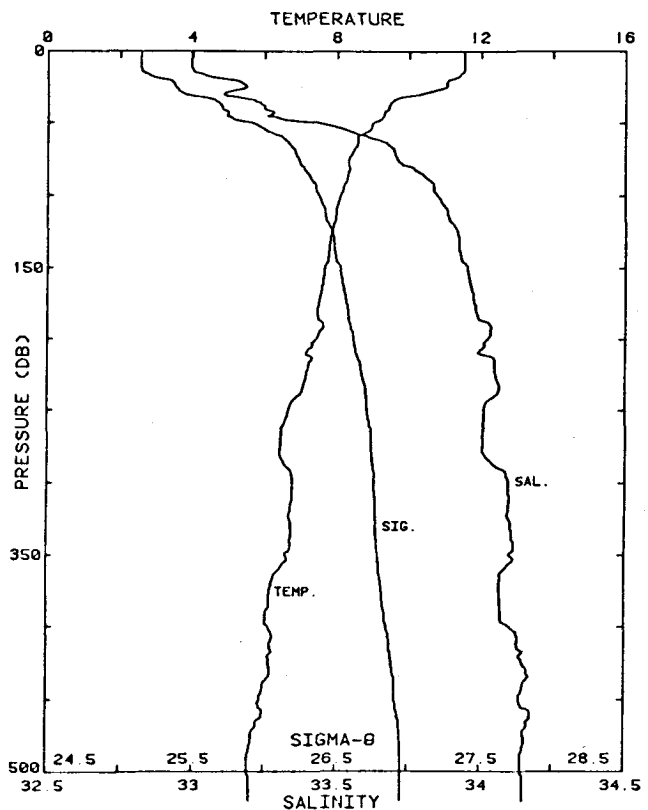
STATION 93 AR 6

STA NO 93 AR-6 LAT: 38 52.0 N LONG:124 2.3 W
9 JUL 1981 1137 GMT PROBE 2567 DEPTH 1356M
27.9 KM FROM SHORE

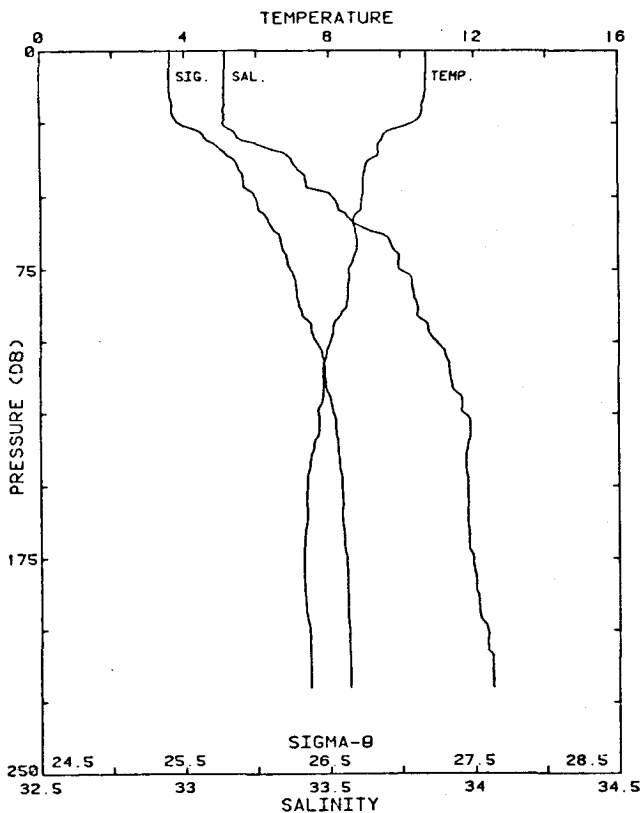
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.761	32.994	11.761	25.097	287.4	0.003
10	11.765	32.994	11.764	25.096	287.7	0.029
20	11.742	33.004	11.740	25.108	286.8	0.058
30	10.177	33.212	10.174	25.548	245.2	0.085
40	9.393	33.293	9.388	25.741	227.0	0.108
50	8.995	33.435	8.990	25.916	210.6	0.130
60	9.033	33.559	9.027	26.007	202.2	0.151
70	8.598	33.627	8.591	26.128	190.8	0.170
80	8.373	33.623	8.365	26.214	182.7	0.189
90	8.238	33.770	8.229	26.295	175.2	0.207
100	8.167	33.836	8.157	26.357	169.5	0.224
110	8.044	33.854	8.033	26.390	166.6	0.241
120	7.924	33.878	7.913	26.427	163.2	0.257
130	7.846	33.896	7.833	26.453	160.9	0.274
140	7.817	33.913	7.803	26.470	159.5	0.290
150	7.603	33.922	7.588	26.508	155.9	0.305
175	7.433	33.962	7.416	26.564	151.0	0.344
200	7.207	33.995	7.188	26.622	145.8	0.381
225	7.102	33.995	7.082	26.637	144.8	0.417
250	6.909	34.009	6.886	26.675	141.5	0.453
300	6.730	34.077	6.703	26.754	134.7	0.522
400	6.623	34.191	6.587	26.859	126.3	0.653
500	5.795	34.266	5.752	27.025	111.2	0.772
600	5.170	34.324	5.121	27.147	100.2	0.878
800	4.509	34.369	4.447	27.258	90.8	1.067
1000	4.013	34.427	3.937	27.358	82.4	1.239
1005	3.999	34.428	3.923	27.361	82.2	1.243

STA NO 94 AR-5 LAT: 38 53.1 N LONG:123 58.9 W
9 JUL 1982 1233 GMT PROBE 2567 DEPTH 530M
22.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.528	32.996	11.528	25.142	283.2	0.003
10	11.531	32.995	11.529	25.141	283.5	0.028
20	11.089	33.134	11.086	25.329	265.9	0.056
30	10.266	33.106	10.262	25.451	254.4	0.082
40	9.419	33.246	9.415	25.700	230.9	0.106
50	8.995	33.428	8.990	25.910	211.1	0.128
60	8.565	33.609	8.558	26.119	191.4	0.149
70	8.443	33.699	8.436	26.208	183.2	0.167
80	8.347	33.753	8.339	26.265	177.9	0.185
90	8.269	33.825	8.260	26.333	171.6	0.203
100	8.107	33.848	8.097	26.376	167.7	0.220
110	7.988	33.883	7.978	26.421	163.6	0.236
120	7.924	33.903	7.913	26.446	161.4	0.253
130	7.814	33.924	7.801	26.479	158.4	0.269
140	7.764	33.929	7.751	26.490	157.5	0.284
150	7.657	33.954	7.643	26.526	154.3	0.300
175	7.502	33.977	7.485	26.566	150.9	0.338
200	7.431	34.024	7.412	26.613	146.8	0.375
225	7.161	34.052	7.140	26.674	141.4	0.411
250	6.660	34.012	6.633	26.711	137.9	0.446
300	6.778	34.097	6.751	26.762	134.0	0.514
400	6.128	34.103	6.093	26.854	126.2	0.645
500	5.551	34.144	5.509	26.959	117.1	0.766
520	5.609	34.153	5.566	26.959	117.4	0.789



STATION 94 AR 5



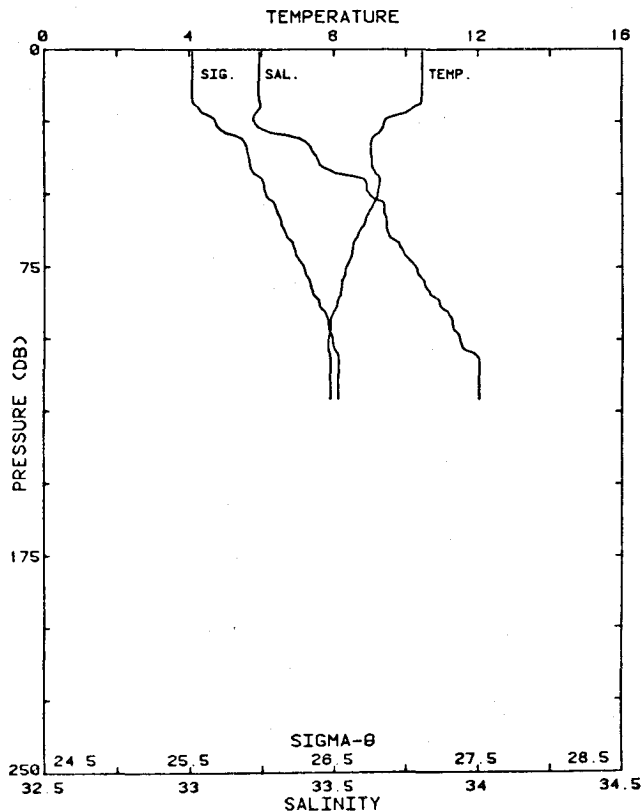
STATION 95 AR 4

STA NO 95 AR-4 LAT: 38 53.9 N LONG:123 55.9 W
 9 JUL 1981 1312 GMT PROBE 2567 DEPTH 231M
 17.8 KM FROM SHORE

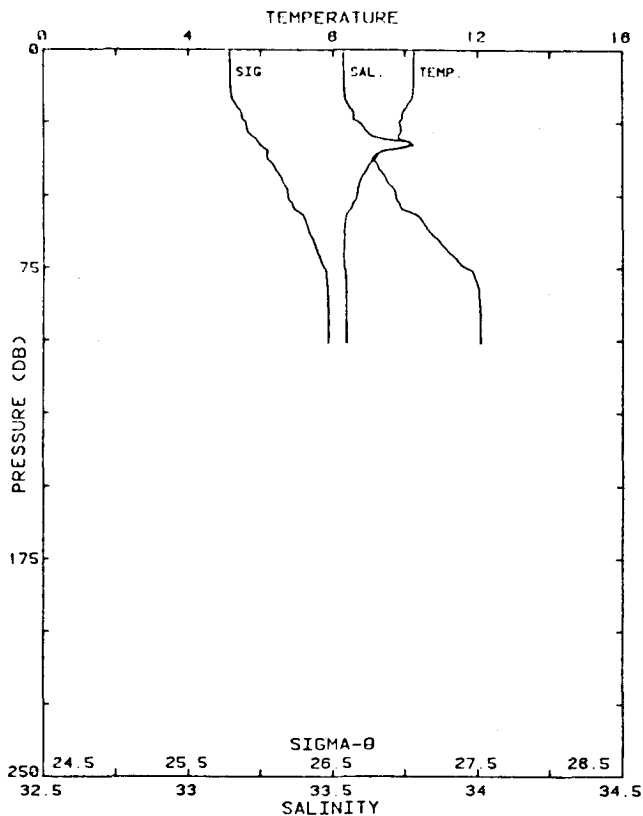
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.697	33.140	10.697	25.402	258.4	0.003
10	10.705	33.140	10.703	25.401	258.7	0.026
20	10.606	33.135	10.603	25.415	257.6	0.052
30	9.488	33.185	9.485	25.641	236.3	0.077
40	9.014	33.388	9.010	25.876	214.1	0.099
50	8.925	33.509	8.919	25.985	204.0	0.120
60	8.676	33.599	8.670	26.094	193.8	0.140
70	8.704	33.743	8.696	26.203	183.7	0.159
80	8.515	33.785	8.507	26.265	178.0	0.177
90	8.316	33.803	8.307	26.309	173.9	0.195
100	8.020	33.868	8.010	26.404	165.0	0.211
110	7.832	33.917	7.822	26.470	158.9	0.228
120	7.806	33.958	7.795	26.507	155.6	0.243
130	7.706	33.986	7.693	26.544	152.2	0.259
140	7.466	33.971	7.453	26.566	150.3	0.274
150	7.368	33.976	7.354	26.584	148.6	0.289
175	7.267	33.995	7.250	26.614	146.2	0.326
200	7.422	34.043	7.403	26.630	145.2	0.362
220	7.455	34.064	7.434	26.642	144.5	0.391

STA NO 96 AR-3 LAT: 38 54.9 N LONG:123 52.6 W
 9 JUL 1981 1346 GMT PROBE 2567 DEPTH 127M
 12.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.455	33.240	10.455	25.522	247.1	0.002
10	10.456	33.241	10.455	25.523	247.2	0.025
20	10.234	33.248	10.232	25.566	243.3	0.049
30	9.136	33.343	9.133	25.821	219.1	0.073
40	9.054	33.451	9.050	25.919	210.1	0.094
50	9.206	33.622	9.201	26.028	199.9	0.114
60	8.847	33.682	8.841	26.132	190.2	0.134
70	8.486	33.741	8.479	26.234	180.6	0.152
80	8.213	33.811	8.205	26.331	171.7	0.170
90	8.023	33.878	8.014	26.412	164.1	0.187
100	7.832	33.937	7.822	26.486	157.2	0.203
110	7.892	34.004	7.881	26.530	153.2	0.218
120	7.903	34.006	7.892	26.530	153.4	0.234
121	7.904	34.006	7.892	26.530	153.4	0.235



STATION 96 AR 3



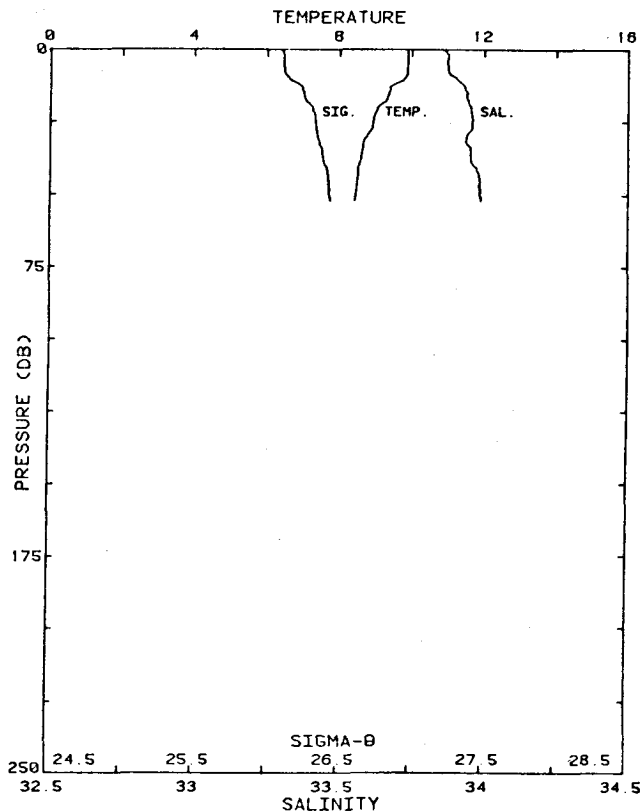
STATION 97 AR

STA NO 97 AR-2 LAT: 38 55.3 N LONG:123 49.3 W
 9 JUL 1982 1418 GMT PROBE 2567 DEPTH 105M
 8.0 KM FROM SHORE

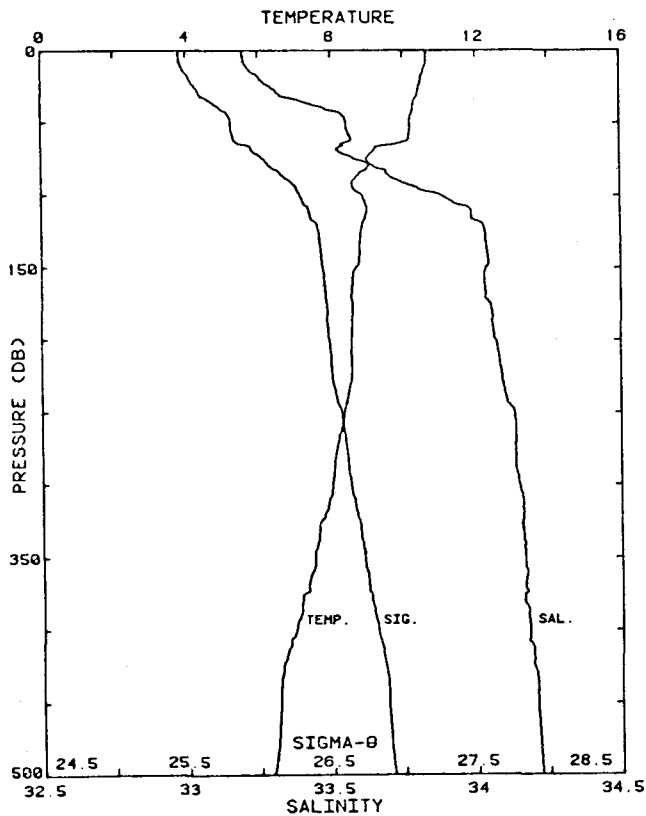
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.248	33.535	10.248	25.787	221.9	0.002
10	10.239	33.537	10.238	25.790	221.8	0.022
20	10.035	33.558	10.033	25.841	217.1	0.044
30	9.802	33.637	9.799	25.942	207.8	0.065
40	8.978	33.656	8.974	26.091	193.7	0.086
50	8.665	33.719	8.660	26.190	184.6	0.104
60	8.332	33.817	8.326	26.317	172.6	0.122
70	8.285	33.903	8.278	26.391	165.7	0.139
80	8.358	33.997	8.350	26.454	160.0	0.155
90	8.356	34.009	8.347	26.465	159.2	0.171
100	8.363	34.010	8.353	26.464	159.4	0.187
101	8.364	34.010	8.354	26.464	159.4	0.189

STA NO 98 AR-1 LAT: 38 56.2 N LONG:123 46.1 W
 9 JUL 1982 1452 GMT PROBE 2567 DEPTH 54M
 2.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.884	33.852	9.884	26.095	192.5	0.000
10	9.806	33.902	9.805	26.147	187.8	0.019
20	9.045	33.956	9.043	26.314	172.2	0.037
30	8.749	33.940	8.746	26.348	169.1	0.054
40	8.540	33.962	8.536	26.398	164.5	0.071
50	8.454	33.984	8.449	26.429	161.8	0.087
52	8.427	33.990	8.423	26.438	161.0	0.090



STATION 98 AR 1



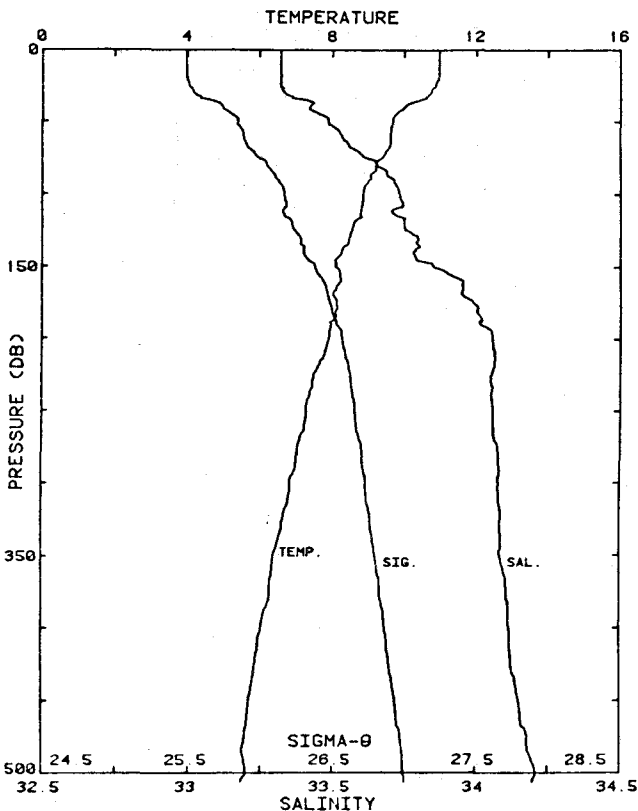
STATION 99 OFS 33

STA NO 99 OFS-33 LAT: 37 59.9 N LONG:123 41.1 W
 9 JUL 1982 2243 GMT PROBE 2567 DEPTH 2567M

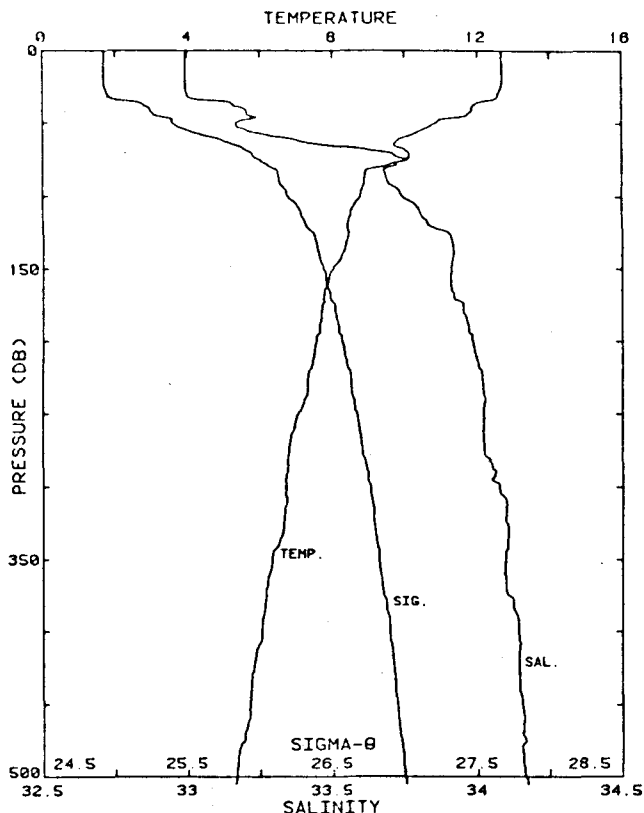
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.650	33.199	10.650	25.456	253.3	0.003
10	10.628	33.207	10.627	25.466	252.5	0.025
20	10.503	33.258	10.501	25.528	246.9	0.050
30	10.405	33.322	10.402	25.595	240.8	0.075
40	10.278	33.479	10.273	25.739	227.3	0.098
50	10.185	33.555	10.179	25.814	220.4	0.120
60	10.156	33.569	10.150	25.830	219.1	0.142
70	9.165	33.528	9.158	25.962	206.6	0.164
80	9.046	33.646	9.038	26.073	196.2	0.184
90	8.602	33.730	8.593	26.208	183.5	0.203
100	8.853	33.879	8.842	26.286	176.4	0.221
110	8.989	33.981	8.977	26.344	171.1	0.238
120	8.852	34.022	8.839	26.399	166.1	0.255
130	8.784	34.033	8.771	26.417	164.6	0.272
140	8.761	34.039	8.747	26.426	163.9	0.288
150	8.664	34.033	8.649	26.437	163.1	0.304
175	8.557	34.046	8.539	26.464	161.0	0.345
200	8.542	34.065	8.522	26.482	159.8	0.385
225	8.535	34.088	8.512	26.501	158.4	0.425
250	8.329	34.130	8.303	26.566	152.6	0.464
300	7.993	34.147	7.962	26.630	147.3	0.539
400	6.946	34.179	6.908	26.806	131.6	0.678
500	6.315	34.221	6.270	26.924	121.3	0.803

STA NO 100 REY-1 LAT: 37 49.6 N LONG:123 34.6 W
 10 JUL 1982 0035 GMT PROBE 2567 DEPTH 2440M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.986	33.323	10.986	25.493	249.8	0.002
10	10.974	33.321	10.972	25.494	249.9	0.025
20	10.934	33.321	10.931	25.501	249.5	0.050
30	10.731	33.334	10.727	25.547	245.3	0.075
40	9.997	33.422	9.992	25.742	226.9	0.098
50	9.668	33.485	9.662	25.847	217.2	0.120
60	9.623	33.535	9.616	25.893	213.1	0.142
70	9.527	33.582	9.519	25.945	208.2	0.163
80	9.228	33.656	9.219	26.052	198.3	0.183
90	9.085	33.712	9.075	26.119	192.1	0.203
100	8.861	33.734	8.851	26.171	187.3	0.222
110	8.818	33.725	8.806	26.171	187.5	0.241
120	8.601	33.750	8.589	26.225	182.6	0.259
130	8.472	33.798	8.459	26.282	177.3	0.277
140	8.255	33.782	8.241	26.303	175.4	0.295
150	8.079	33.852	8.064	26.384	167.9	0.312
175	8.132	33.990	8.115	26.485	158.8	0.353
200	7.902	34.057	7.882	26.571	151.0	0.391
225	7.478	34.054	7.456	26.631	145.6	0.429
250	7.279	34.057	7.255	26.661	143.0	0.465
300	6.849	34.079	6.821	26.739	136.2	0.535
400	6.052	34.118	6.018	26.875	124.2	0.665
500	5.596	34.210	5.554	27.005	112.8	0.763
506	5.464	34.199	5.422	27.012	112.0	0.790



STATION 100 REY 1



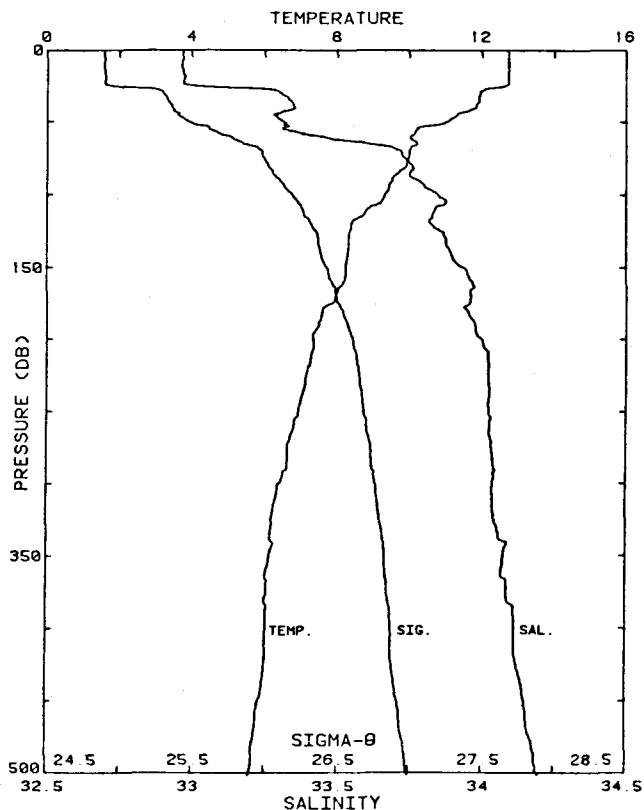
STATION 101 REY 2

STA NO 101 REY-2 LAT: 37 39.3 N LONG:123 28.2 W
10 JUL 1982 0225 GMT PROBE 2567 DEPTH 2850M

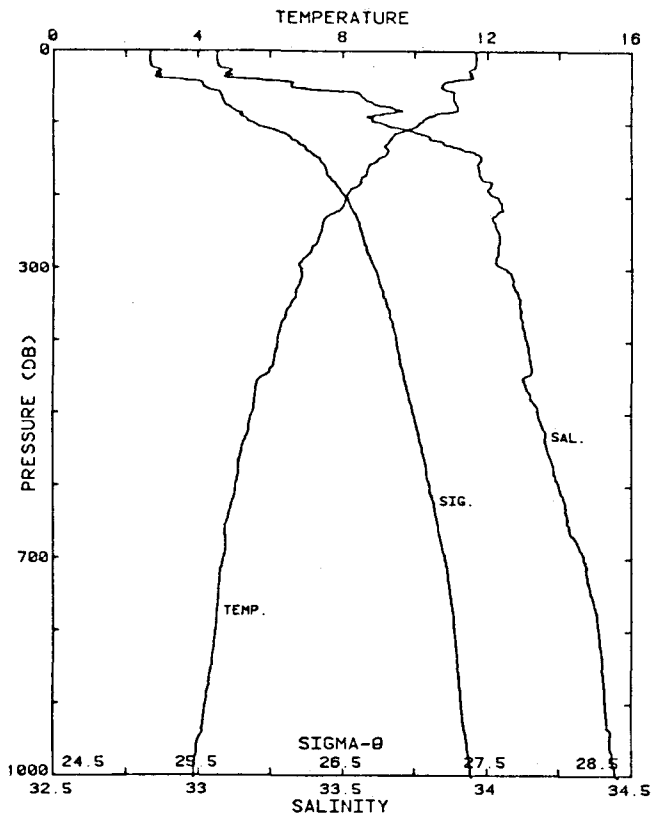
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	12.661	32.992	12.660	24.925	303.8	0.003
10	12.686	32.992	12.684	24.921	304.5	0.030
20	12.687	32.992	12.685	24.921	304.7	0.061
30	12.563	32.999	12.559	24.950	302.2	0.091
40	11.847	33.197	11.842	25.239	274.2	0.120
50	10.872	33.168	10.866	25.394	260.3	0.147
60	9.973	33.326	9.966	25.672	234.0	0.172
70	10.079	33.670	10.071	25.922	210.5	0.194
80	9.388	33.704	9.380	26.063	197.2	0.214
90	8.880	33.691	8.871	26.134	190.6	0.234
100	8.767	33.744	8.756	26.194	185.1	0.252
110	8.515	33.802	8.504	26.278	177.2	0.270
120	8.413	33.831	8.401	26.317	173.7	0.288
130	8.397	33.911	8.384	26.382	167.8	0.305
140	8.267	33.918	8.253	26.407	165.5	0.322
150	8.016	33.910	8.001	26.439	162.7	0.338
175	7.712	33.951	7.695	26.516	155.7	0.378
200	7.547	33.982	7.528	26.564	151.5	0.417
225	7.309	34.016	7.287	26.625	146.0	0.454
250	7.035	34.019	7.011	26.666	142.4	0.490
300	6.690	34.074	6.663	26.757	134.4	0.559
400	6.041	34.142	6.006	26.895	122.3	0.688
500	5.342	34.167	5.301	27.002	112.8	0.806
505	5.325	34.174	5.284	27.010	112.1	0.811

STA NO 102 REY-3 LAT: 37 28.4 N LONG:123 22.0 W
10 JUL 1982 0410 GMT PROBE 2567 DEPTH 1952M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	12.722	32.970	12.722	24.896	306.6	0.003
10	12.728	32.964	12.727	24.890	307.4	0.031
20	12.713	32.974	12.710	24.901	306.6	0.061
30	11.953	33.304	11.949	25.302	268.7	0.091
40	11.837	33.352	11.832	25.362	263.3	0.117
50	11.054	33.312	11.048	25.474	252.8	0.143
60	10.007	33.447	10.000	25.761	225.6	0.167
70	9.987	33.720	9.979	25.977	205.3	0.189
80	9.914	33.759	9.904	26.020	201.5	0.209
90	9.518	33.775	9.509	26.097	194.2	0.229
100	9.323	33.848	9.312	26.186	186.0	0.248
110	8.832	33.838	8.821	26.257	179.3	0.266
120	8.385	33.825	8.372	26.316	173.8	0.284
130	8.314	33.876	8.301	26.367	169.2	0.301
140	8.287	33.894	8.273	26.385	167.6	0.318
150	8.242	33.935	8.227	26.424	164.1	0.334
175	7.858	33.960	7.851	26.500	157.2	0.375
200	7.333	33.999	7.314	26.608	147.2	0.412
225	7.131	34.024	7.110	26.656	143.0	0.449
250	6.916	34.024	6.893	26.686	140.5	0.484
300	6.380	34.038	6.354	26.769	133.0	0.552
400	6.024	34.115	5.990	26.876	124.1	0.681
500	5.594	34.193	5.552	26.992	114.0	0.800
502	5.575	34.198	5.533	26.999	113.4	0.803



STATION 102 REY 3



STATION 103 HM 9

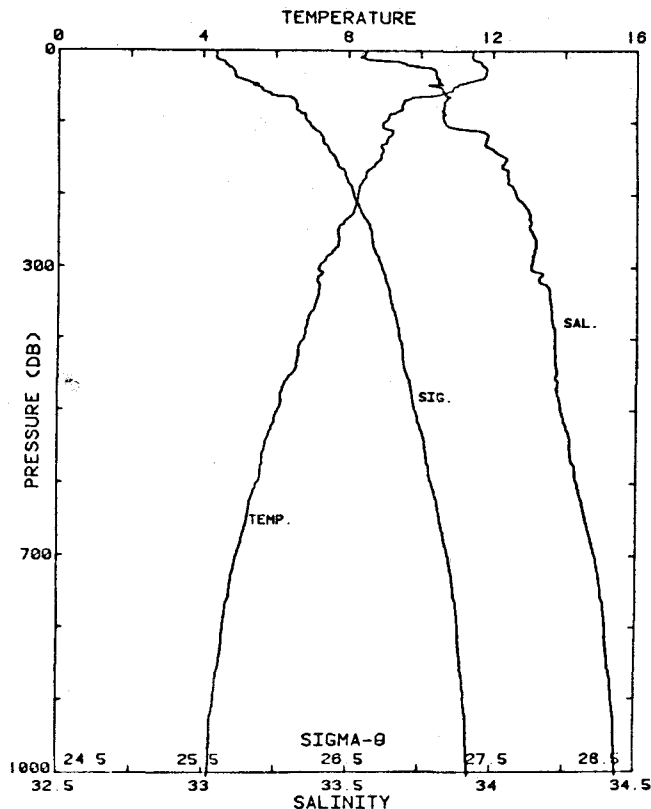
STA NO 103 HM 9 LAT: 37 18.0 N LONG: 123 15.4 W
 10 JUL 1981 0606 GMT PROBE 2567 DEPTH 2028M
 74.2 km from shore

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.682	33.067	11.682	25.168	280.7	0.003
10	11.693	33.066	11.692	25.166	281.2	0.028
20	11.665	33.073	11.662	25.176	280.4	0.056
30	11.559	33.100	11.555	25.217	276.7	0.084
40	11.071	33.214	11.066	25.394	260.1	0.111
50	10.720	33.326	10.714	25.544	246.1	0.136
60	11.076	33.564	11.069	25.665	234.8	0.160
70	11.121	33.597	11.112	25.683	233.4	0.184
80	11.186	33.676	11.176	25.733	228.9	0.207
90	10.478	33.609	10.468	25.807	222.0	0.229
100	10.127	33.635	10.116	25.887	214.6	0.251
110	9.734	33.733	9.722	26.030	201.1	0.272
120	9.360	33.802	9.347	26.145	190.3	0.292
130	9.164	33.872	9.150	26.232	182.2	0.310
140	9.240	33.957	9.224	26.286	177.3	0.328
150	8.970	33.980	8.954	26.347	171.7	0.346
175	8.520	33.979	8.502	26.417	165.4	0.388
200	8.106	34.018	8.086	26.511	156.8	0.428
225	7.696	34.034	7.674	26.584	150.2	0.466
250	7.390	34.040	7.366	26.633	145.8	0.503
300	6.849	34.057	6.822	26.721	137.9	0.574
400	6.195	34.137	6.160	26.872	124.6	0.705
500	5.509	34.176	5.468	26.989	114.2	0.825
600	5.036	34.249	4.988	27.103	104.1	0.934
800	4.482	34.388	4.420	27.277	89.0	1.124
1000	3.866	34.445	3.791	27.388	79.2	1.294
1003	3.849	34.454	3.774	27.397	78.4	1.296

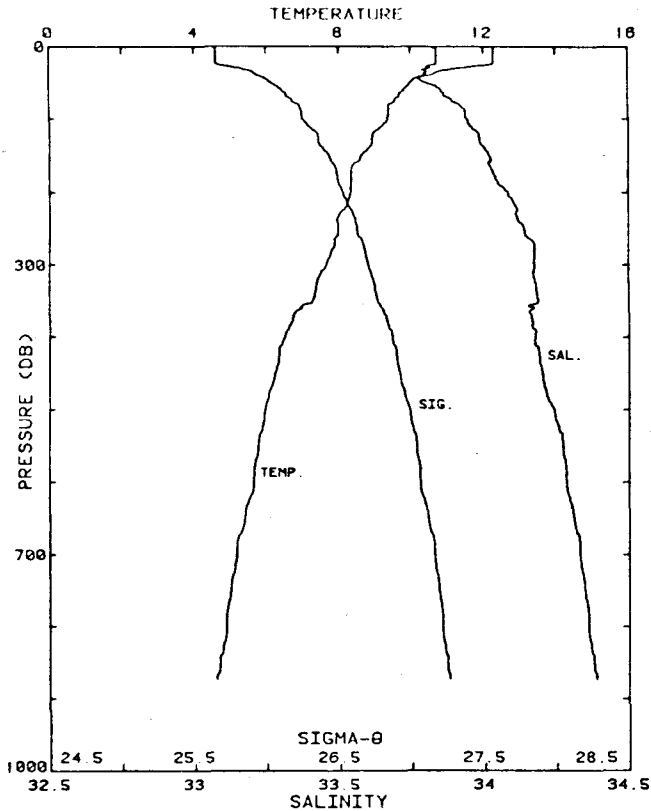
STA NO 104 HM 8 LAT: 37 18.8 N LONG: 123 9.1 W
 10 JUL 1981 0731 GMT PROBE 2567 DEPTH 1080M
 65.3 km from shore

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.455	33.554	11.455	25.588	240.8	0.002
10	11.409	33.540	11.408	25.585	241.2	0.024
20	11.697	33.697	11.694	25.654	235.0	0.048
30	11.813	33.802	11.814	25.713	229.6	0.071
40	11.675	33.807	11.670	25.744	226.9	0.094
50	10.998	33.788	10.992	25.853	216.8	0.116
60	10.585	33.836	10.578	25.964	206.4	0.137
70	9.546	33.835	9.538	26.139	189.9	0.157
80	9.508	33.825	9.499	26.141	189.9	0.176
90	9.128	33.830	9.119	26.204	184.1	0.195
100	9.004	33.834	8.993	26.227	182.0	0.213
110	9.047	33.899	9.035	26.271	178.1	0.231
120	9.156	33.987	9.143	26.323	173.4	0.249
130	9.042	33.975	9.028	26.332	172.7	0.266
140	8.968	34.006	8.953	26.368	169.5	0.283
150	8.900	34.046	8.884	26.410	165.7	0.300
175	8.468	34.051	8.450	26.482	159.2	0.340
200	8.260	34.080	8.239	26.536	154.5	0.379
225	8.140	34.124	8.118	26.589	149.9	0.418
250	7.701	34.131	7.677	26.659	143.4	0.454
300	7.207	34.133	7.179	26.732	137.1	0.525
400	6.778	34.214	6.741	26.856	126.7	0.656
500	6.078	34.235	6.034	26.966	117.1	0.778
600	5.493	34.294	5.443	27.085	106.4	0.889
800	4.576	34.394	4.513	27.272	89.7	1.083
1000	4.165	34.436	4.088	27.350	83.5	1.255
1005	4.164	34.436	4.087	27.350	83.6	1.260

LINEAR INTERPOLATE 49-53DR.



STATION 104 HM 8



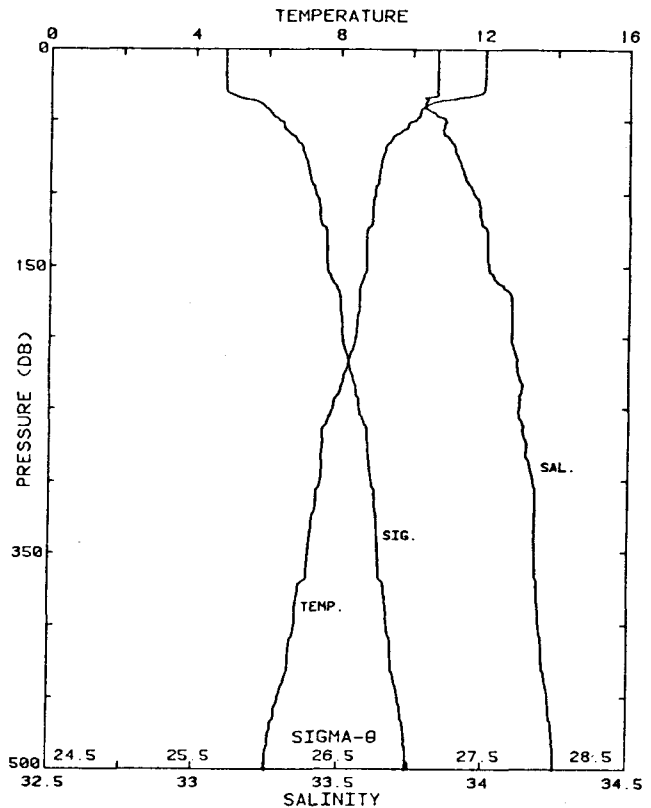
STATION 105 HM 7

STA NO 105 HM-7 LAT: 37 19.7 N LONG:123 3.1 W
 10 JUL 1981 0855 GMT PROBE 2567 DEPTH 884M
 56.1 KM FROM SHORE

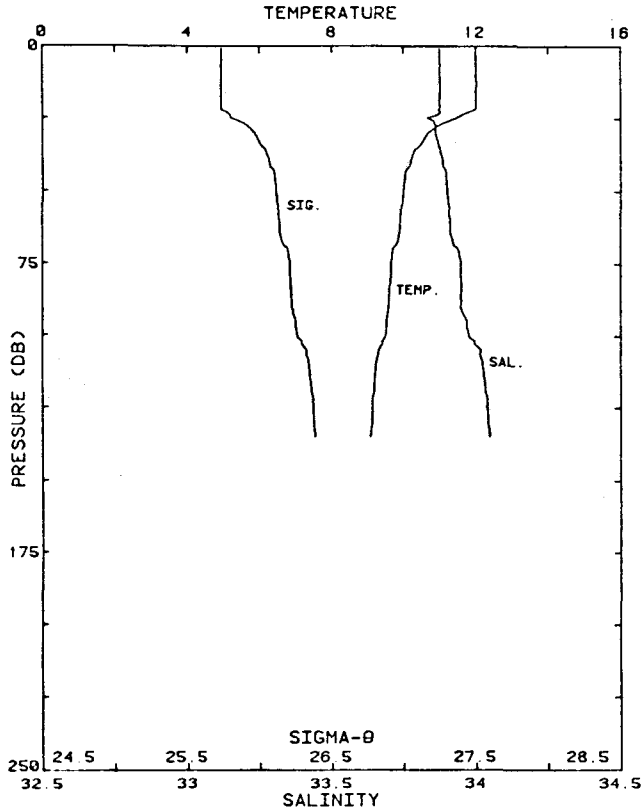
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
2	12.283	33.827	12.203	25.644	235.5	0.005
10	12.282	33.841	12.281	25.655	234.6	0.023
20	12.290	33.841	12.238	25.654	235.0	0.047
30	11.319	33.818	11.316	25.818	219.6	0.070
40	10.487	33.793	10.482	25.947	207.5	0.091
50	9.989	33.807	9.984	26.044	198.6	0.112
60	9.808	33.856	9.802	26.112	192.2	0.131
70	9.628	33.877	9.621	26.159	188.0	0.150
80	9.385	33.919	9.376	26.232	181.3	0.169
90	9.392	33.939	9.382	26.246	180.1	0.187
100	9.367	33.940	9.356	26.252	179.8	0.205
110	9.202	33.950	9.190	26.286	176.7	0.222
120	8.947	33.981	8.934	26.351	170.7	0.240
130	8.924	33.986	8.910	26.359	170.1	0.257
140	8.826	34.002	8.812	26.387	167.6	0.274
150	8.629	34.017	8.613	26.429	163.8	0.290
175	8.344	34.034	8.326	26.487	158.7	0.331
200	8.321	34.084	8.301	26.530	155.1	0.370
225	8.118	34.116	8.095	26.586	150.1	0.408
250	7.972	34.138	7.947	26.626	146.8	0.445
300	7.649	34.175	7.620	26.702	140.3	0.517
400	6.490	34.177	6.454	26.865	125.6	0.650
500	5.947	34.241	5.903	26.986	115.0	0.771
600	5.631	34.285	5.580	27.062	108.9	0.882
800	4.868	34.361	4.803	27.213	95.8	1.084
873	4.613	34.389	4.544	27.264	91.3	1.153

STA NO 106 HM 6 LAT: 37 20.7 N LONG:122 56.9 W
 10 JUL 1981 1041 GMT PROBE 2567 DEPTH 508M
 46.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	11.980	33.835	11.988	25.706	229.6	0.002
10	11.996	33.834	11.995	25.704	229.9	0.023
20	11.987	33.835	11.984	25.707	230.0	0.046
30	11.939	33.832	11.935	25.714	229.6	0.069
40	10.333	33.772	10.329	25.973	205.0	0.091
50	10.060	33.861	10.062	26.072	195.8	0.111
60	9.509	33.856	9.502	26.162	187.5	0.130
70	9.239	33.895	9.232	26.236	180.6	0.148
80	9.125	33.913	9.117	26.273	177.3	0.166
90	9.066	33.935	9.056	26.295	175.4	0.184
100	8.982	33.963	8.972	26.331	172.1	0.201
110	8.909	33.984	8.897	26.360	169.7	0.218
120	8.887	33.988	8.875	26.366	169.2	0.235
130	8.731	34.009	8.717	26.407	165.5	0.252
140	8.733	34.009	8.718	26.407	165.7	0.268
150	8.736	34.015	8.720	26.411	165.6	0.285
175	8.543	34.094	8.524	26.504	157.2	0.325
200	8.447	34.094	8.427	26.519	156.2	0.364
225	8.138	34.118	8.116	26.585	150.3	0.403
250	7.811	34.121	7.786	26.636	145.7	0.449
300	7.466	34.171	7.437	26.726	137.9	0.510
400	6.781	34.194	6.745	26.840	128.2	0.643
500	6.036	34.219	5.992	26.982	115.6	0.764
501	6.036	34.248	5.993	26.981	115.6	0.765

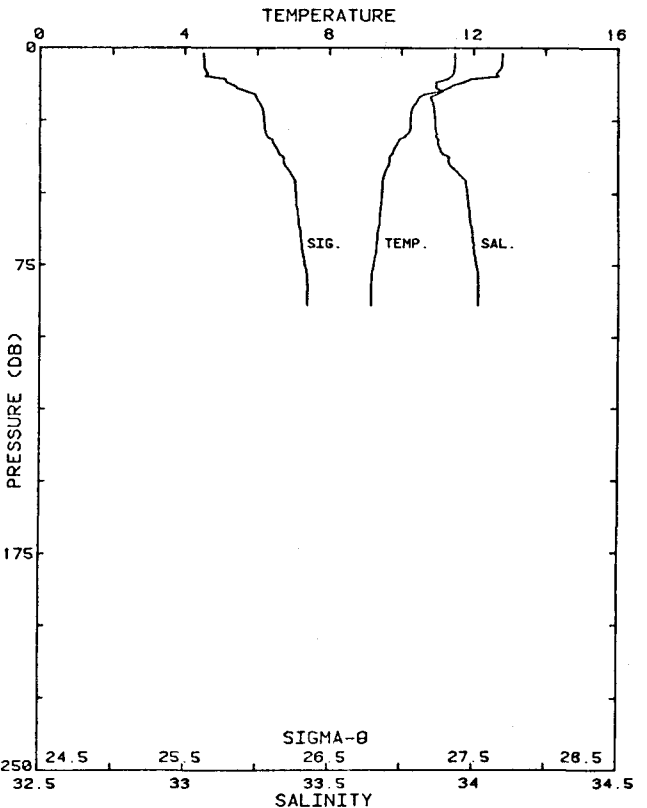


STATION 106 HM 6



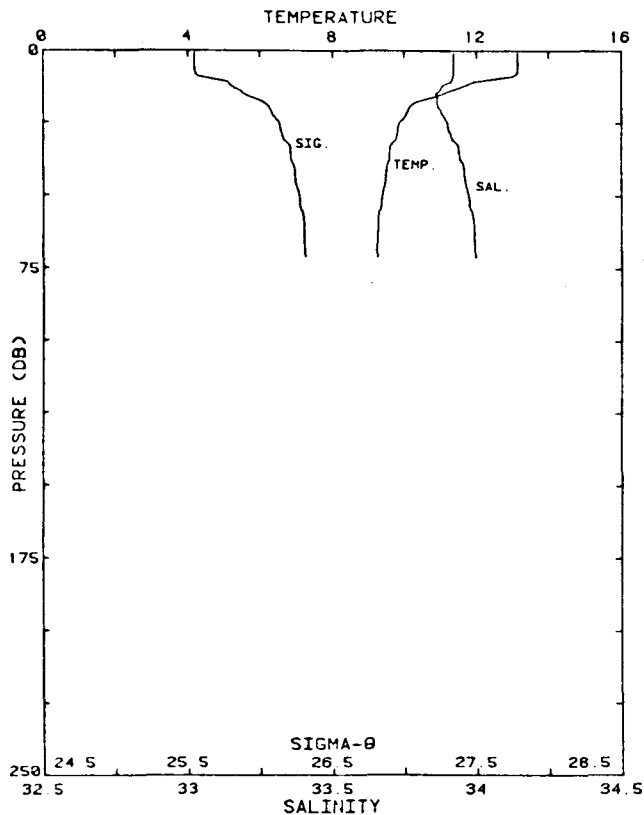
STA NO 107 HM-5 LAT: 37 21.4 N LONG:122 50.7 W
 10 JUL 1981 1238 GMT PROBE 2567 DEPTH 140M
 37.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.998	33.875	11.998	25.736	226.7	0.002
10	12.007	33.874	12.006	25.734	227.1	0.023
20	11.998	33.874	11.996	25.735	227.3	0.045
30	10.688	33.860	10.684	25.964	205.7	0.067
40	10.186	33.886	10.181	26.071	195.7	0.087
50	9.987	33.900	9.981	26.117	191.6	0.107
60	9.907	33.911	9.901	26.138	189.8	0.126
70	9.695	33.937	9.687	26.195	184.6	0.144
80	9.626	33.949	9.617	26.215	182.8	0.163
90	9.563	33.945	9.553	26.223	182.4	0.181
100	9.482	33.975	9.471	26.260	179.0	0.199
110	9.216	34.023	9.204	26.341	171.5	0.217
120	9.147	34.034	9.135	26.361	169.8	0.234
130	9.098	34.041	9.084	26.374	168.7	0.250
135	9.062	34.047	9.048	26.385	167.8	0.259



STA NO 108 HM-4 LAT: 37 22.2 N LONG:122 44.9 W
 10 JUL 1981 1405 GMT PROBE 2567 DEPTH 94M
 28.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	12.788	33.935	12.788	25.629	236.9	0.005
10	12.679	33.923	12.677	25.642	235.9	0.024
20	10.327	33.859	10.325	26.026	199.6	0.045
30	10.164	33.870	10.162	26.062	196.4	0.065
40	9.655	33.914	9.651	26.183	185.1	0.084
50	9.455	33.777	9.450	26.266	177.4	0.102
60	9.385	33.988	9.378	26.285	175.8	0.119
70	9.287	34.000	9.280	26.311	173.6	0.137
80	9.156	34.017	9.147	26.345	170.5	0.154
89	9.154	34.017	9.144	26.346	170.6	0.169



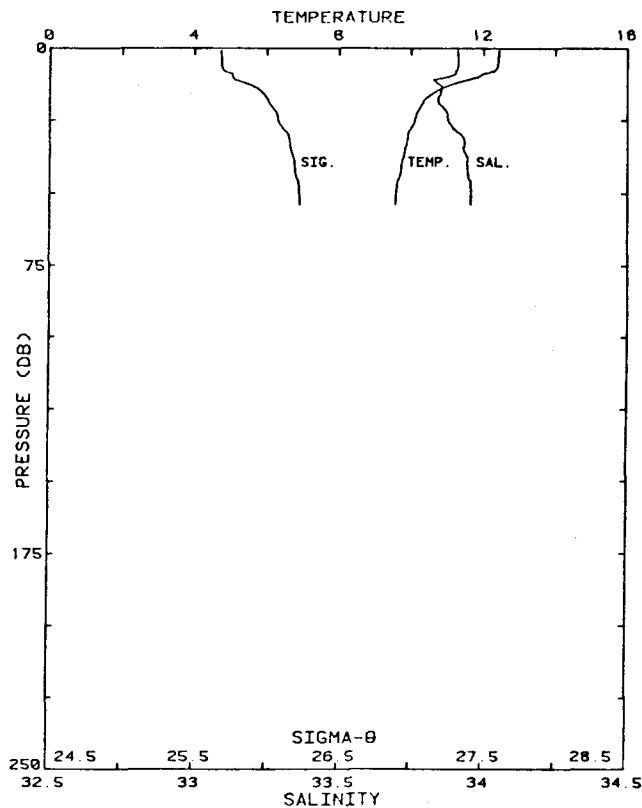
STATION 109 HM 3

STA NO 109 HM-3 LAT: 37 23.0 N LONG: 122 39.1 W
 10 JUL 1981 1456 GMT PROBE 2567 DEPTH 76M
 20.0 KM FROM SHORE

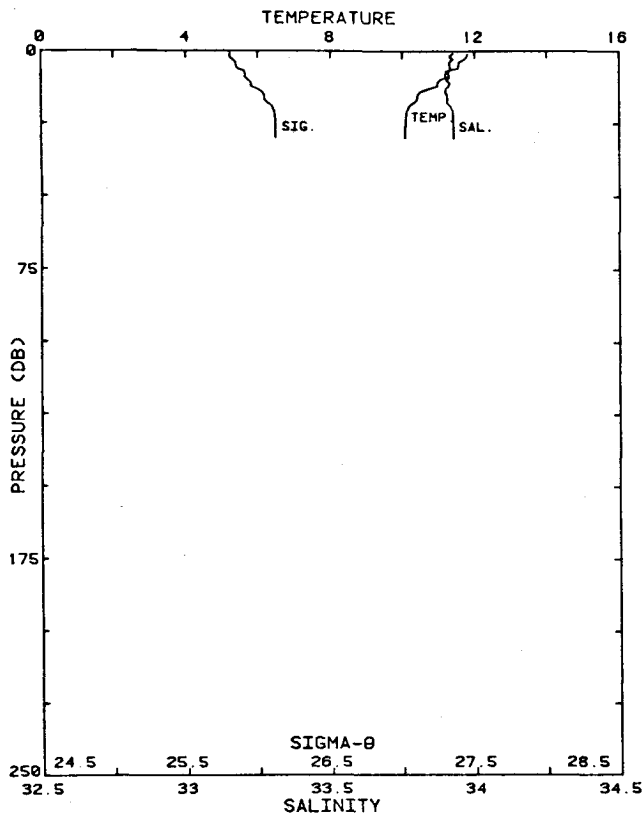
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	13.151	33.923	13.151	25.548	244.6	0.002
10	12.479	33.916	12.477	25.675	232.7	0.024
20	10.122	33.869	10.120	26.069	195.5	0.045
30	9.786	33.914	9.782	26.161	187.0	0.065
40	9.515	33.957	9.510	26.239	179.7	0.083
50	9.383	33.973	9.377	26.274	176.6	0.101
60	9.274	33.992	9.267	26.306	173.7	0.118
70	9.248	33.996	9.241	26.314	173.2	0.136
71	9.246	33.997	9.238	26.315	173.2	0.137

STA NO 110 HM-2 LAT: 37 23.8 N LONG: 122 33.4 W
 10 JUL 1981 1545 GMT PROBE 2567 DEPTH 58M
 11.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.422	33.911	12.422	25.482	231.8	0.002
10	11.865	33.879	11.864	25.764	224.3	0.023
20	10.269	33.857	10.267	26.034	198.8	0.044
30	9.903	33.923	9.900	26.148	188.1	0.063
40	9.743	33.945	9.739	26.192	184.2	0.082
50	9.598	33.959	9.592	26.227	181.1	0.100
54	9.579	33.960	9.573	26.232	180.7	0.107



STATION 110 HM 2



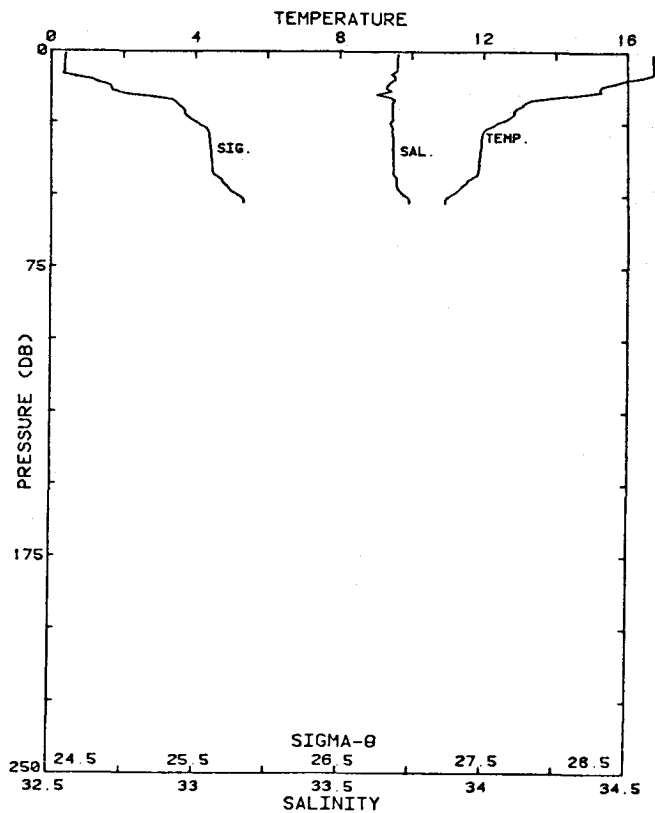
STATION 111 HM 1

STA NO 111 HM-1 LAT: 37 24.5 N LONG:122 28.1 W
 10 JUL 1981 1625 GMT PROBE 2567 DEPTH 41M
 3.7 KM FROM SHORE

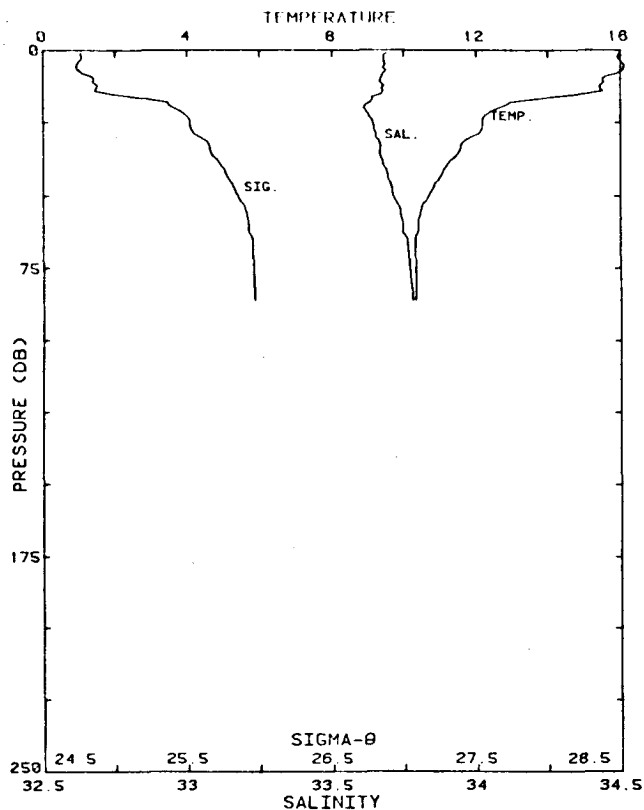
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.811	33.926	11.810	25.810	219.7	0.002
10	11.019	33.901	11.018	25.936	207.9	0.022
20	10.147	33.919	10.145	26.103	192.2	0.041
30	10.075	33.926	10.072	26.122	190.7	0.061

STA NO 112 PUR-1 LAT: 34 45.0 N LONG:120 42.0 W
 11 JUL 1981 1013 GMT PROBE 2567 DEPTH 56M
 6.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	16.735	33.702	16.734	24.600	334.8	0.003
10	15.926	33.691	15.925	24.777	318.2	0.033
20	12.891	33.682	12.888	25.414	257.8	0.062
30	11.944	33.684	11.940	25.598	240.5	0.087
40	11.861	33.686	11.856	25.616	239.1	0.111
50	11.094	33.720	11.088	25.783	223.4	0.134
53	10.915	33.739	10.909	25.830	219.0	0.141



STATION 112 PUR 1

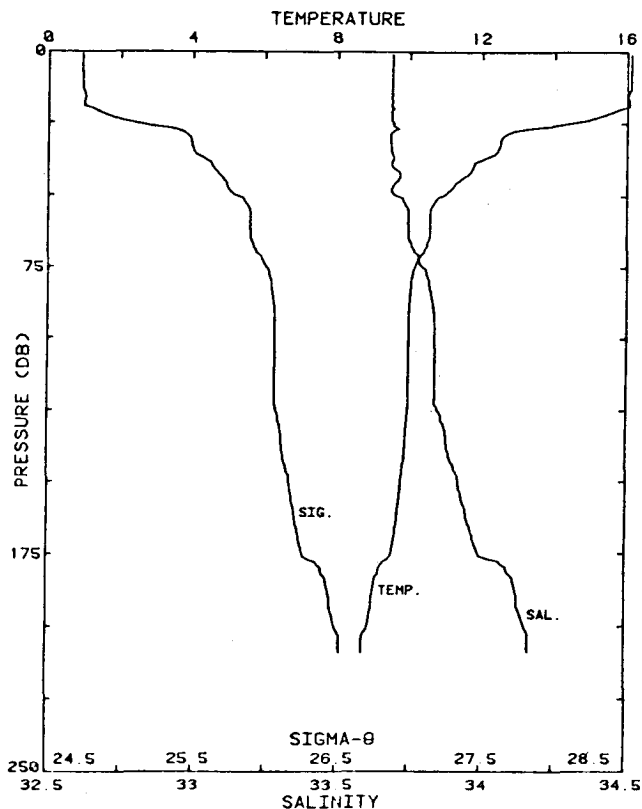


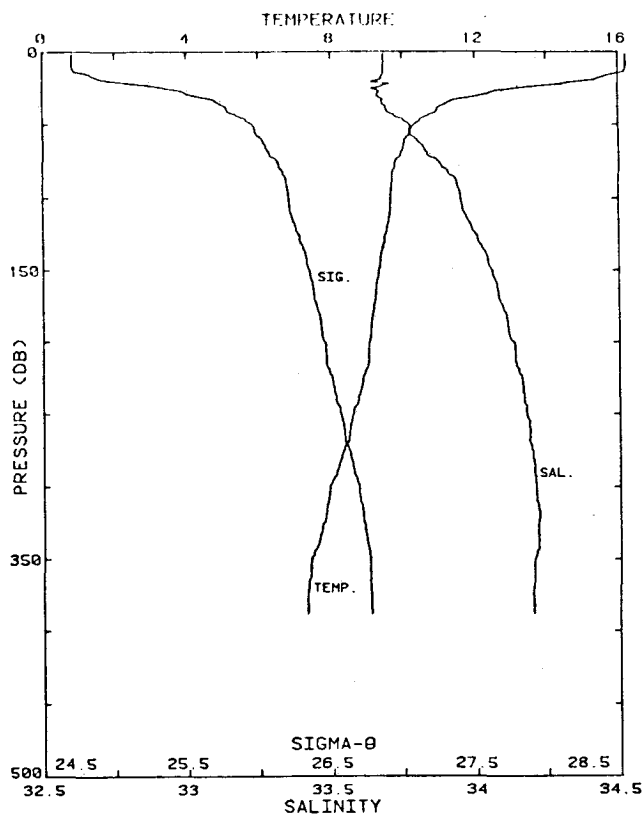
STA NO 113 PUR-2 LAT: 34 45.0 N LONG:120 47.6 W
 11 JUL 1981 1102 GMT PROBE 2567 DEPTH 91M
 14.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	15.993	33.691	15.993	24.762	319.4	0.003
10	15.495	33.669	15.493	24.857	310.6	0.032
20	12.621	33.611	12.619	25.412	258.0	0.061
30	11.865	33.652	11.862	25.588	241.5	0.086
40	11.167	33.681	11.162	25.739	227.3	0.109
50	10.701	33.714	10.695	25.849	217.2	0.131
60	10.397	33.748	10.390	25.928	209.8	0.153
70	10.321	33.767	10.312	25.956	207.3	0.173
80	10.327	33.774	10.317	25.961	207.1	0.194
86	10.316	33.780	10.306	25.967	206.6	0.207

STA NO 114 PUR-3 LAT: 34 45.0 N LONG:120 54.0 W
 11 JUL 1981 1151 GMT PROBE 2567 DEPTH 213M
 24.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	16.112	33.689	16.112	24.733	322.1	0.003
10	16.106	33.688	16.104	24.734	322.3	0.032
20	15.798	33.693	15.795	24.808	315.6	0.064
30	12.546	33.683	12.542	25.482	251.6	0.093
40	11.765	33.688	11.760	25.635	237.3	0.117
50	10.955	33.693	10.949	25.791	222.6	0.140
60	10.559	33.744	10.552	25.897	212.7	0.162
70	10.389	33.768	10.381	25.945	208.4	0.183
80	10.034	33.817	10.025	26.044	199.1	0.203
90	9.977	33.832	9.969	26.066	197.4	0.223
100	9.972	33.837	9.961	26.071	197.1	0.243
110	9.976	33.838	9.963	26.071	197.3	0.263
120	9.978	33.838	9.965	26.071	197.5	0.282
130	9.916	33.870	9.901	26.106	194.4	0.302
140	9.872	33.889	9.856	26.129	192.5	0.321
150	9.764	33.921	9.747	26.172	188.5	0.340
175	9.527	33.994	9.508	26.269	179.8	0.386
200	8.885	34.155	8.864	26.498	158.4	0.428
209	8.736	34.168	8.714	26.532	155.2	0.442





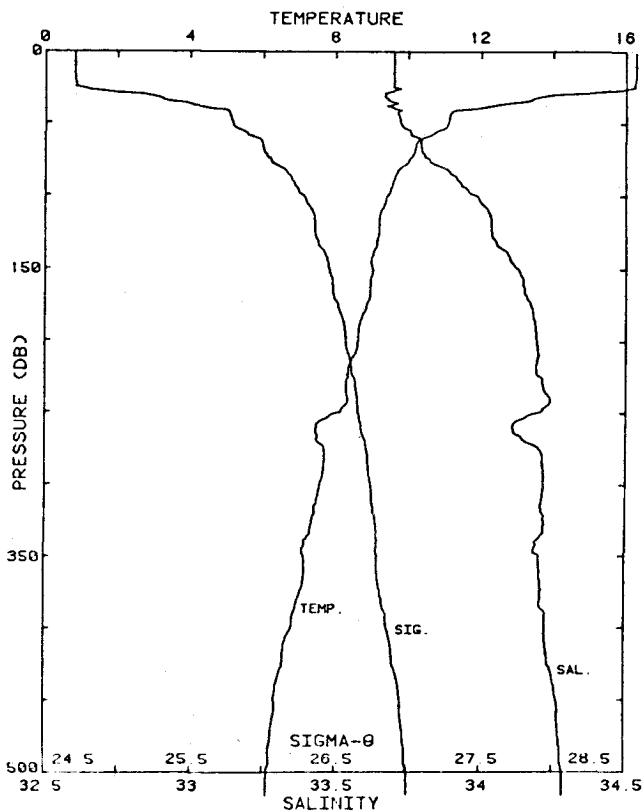
STATION 115 PUR 4

STA NO 115 PUR-4 LAT: 34 45.0 N LONG:121 0.0 W
 11 JUL 1981 1246 GMT PROBE 2567 DEPTH 392M
 33.7 KM FROM SHORE

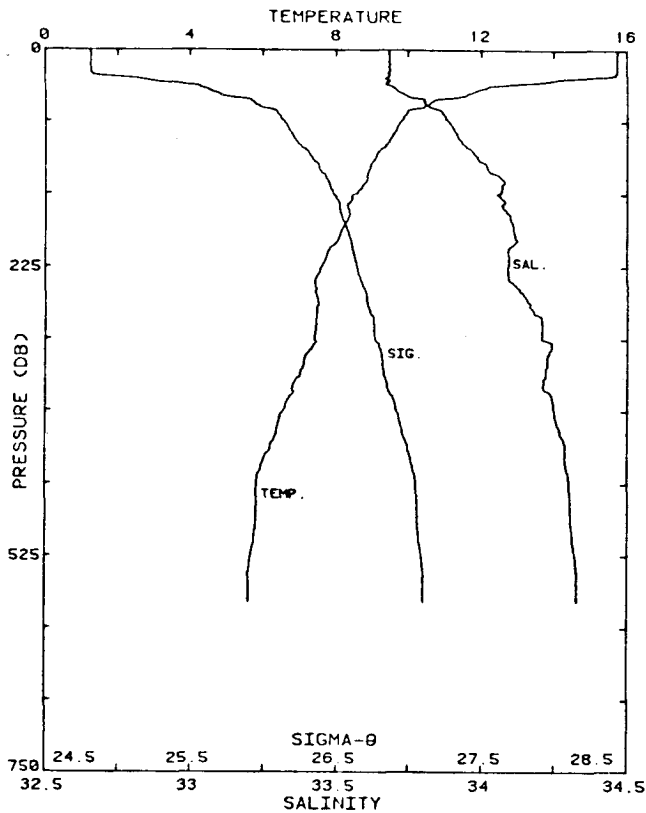
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	16.215	33.686	16.215	24.707	324.6	0.006
10	16.220	33.685	16.218	24.706	325.0	0.032
20	15.001	33.653	14.998	24.954	301.7	0.064
30	12.074	33.662	12.070	25.557	244.5	0.091
40	10.965	33.696	10.960	25.787	222.7	0.114
50	10.337	33.773	10.331	25.958	206.8	0.135
60	10.081	33.794	10.075	26.018	201.2	0.156
70	9.945	33.835	9.937	26.073	196.2	0.176
80	9.769	33.888	9.760	26.145	189.6	0.195
90	9.701	33.938	9.691	26.194	185.1	0.214
100	9.668	33.951	9.657	26.211	183.7	0.232
110	9.645	33.961	9.633	26.223	182.8	0.250
120	9.572	33.986	9.559	26.254	180.1	0.268
130	9.489	34.010	9.475	26.286	177.2	0.286
140	9.392	34.038	9.376	26.325	173.7	0.304
150	9.332	34.056	9.316	26.348	171.7	0.321
175	9.191	34.094	9.172	26.401	167.2	0.363
200	9.060	34.129	9.038	26.450	163.0	0.405
225	8.872	34.162	8.849	26.506	158.1	0.445
250	8.586	34.176	8.560	26.562	153.2	0.484
300	7.934	34.209	7.904	26.687	141.2	0.558
388	7.305	34.201	7.268	26.773	134.8	0.679

STA NO 116 PUR-5 LAT: 34 45.0 N LONG:121 12.1 W
 11 JUL 1981 1414 GMT PROBE 2567 DEPTH 526M
 52.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	16.276	33.701	16.275	24.705	324.7	0.003
10	16.281	33.700	16.280	24.703	325.2	0.033
20	16.267	33.700	16.263	24.707	325.2	0.065
30	14.029	33.671	14.025	25.174	281.0	0.097
40	11.824	33.700	11.819	25.633	237.5	0.123
50	11.081	33.721	11.075	25.787	223.1	0.145
60	10.404	33.785	10.397	25.956	207.2	0.167
70	10.157	33.798	10.149	26.008	202.4	0.187
80	9.819	33.860	9.810	26.114	192.5	0.207
90	9.587	33.924	9.577	26.203	184.2	0.226
100	9.424	33.981	9.413	26.274	177.7	0.244
110	9.259	34.026	9.247	26.336	172.0	0.262
120	9.192	34.037	9.179	26.355	170.3	0.279
130	9.137	34.049	9.123	26.374	168.7	0.296
140	9.025	34.094	9.010	26.427	163.9	0.312
150	9.018	34.127	9.002	26.455	161.5	0.329
175	8.855	34.172	8.836	26.516	156.1	0.368
200	8.617	34.193	8.596	26.570	151.4	0.407
225	8.332	34.201	8.309	26.621	147.0	0.444
250	8.125	34.204	8.100	26.654	144.2	0.480
300	7.570	34.217	7.540	26.747	136.0	0.550
400	6.793	34.226	6.756	26.863	126.0	0.682
500	6.113	34.286	6.069	27.001	113.0	0.800
516	6.097	34.287	6.051	27.004	113.7	0.818



STATION 116 PUR 5



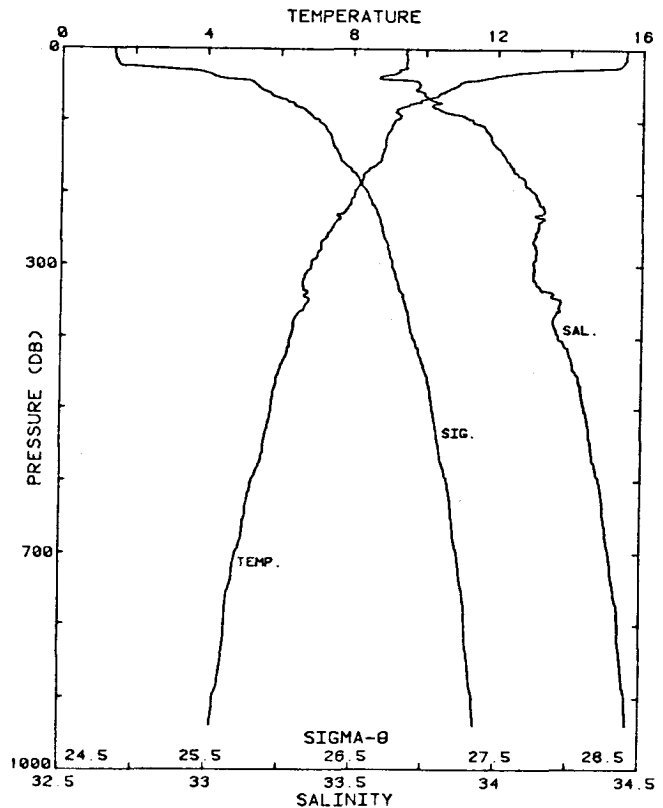
STA NO 117 PUR-6 LAT: 34 45.0 N LONG:121 24.0 W
11 JUL 1981 1607 GMT PROBE 2567 DEPTH 579M
69.9 KM FROM SHORE

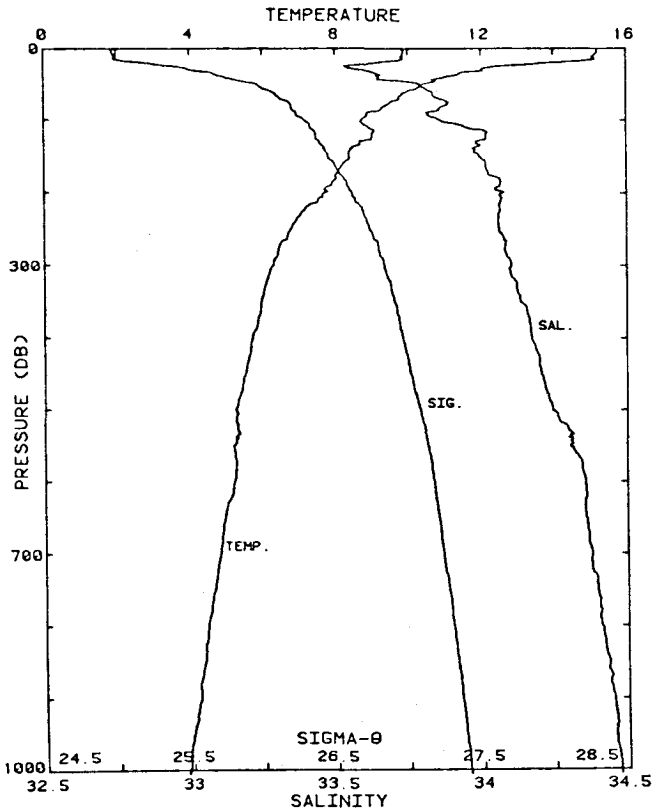
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	15.746	33.685	15.746	24.813	314.5	0.003
10	15.741	33.685	15.739	24.814	314.7	0.031
20	15.739	33.685	15.736	24.815	314.9	0.063
30	14.421	33.680	14.417	25.099	288.2	0.094
40	12.142	33.699	12.137	25.572	243.3	0.120
50	11.338	33.751	11.332	25.763	225.4	0.144
60	10.421	33.819	10.414	25.979	205.0	0.165
70	9.856	33.876	9.849	26.120	191.7	0.185
80	9.700	33.898	9.691	26.164	187.8	0.204
90	9.549	33.917	9.539	26.203	184.2	0.222
100	9.357	33.947	9.346	26.258	179.1	0.240
110	9.108	33.981	9.096	26.325	173.0	0.258
120	8.952	34.017	8.939	26.379	168.0	0.275
130	8.847	34.053	8.834	26.423	164.0	0.292
140	8.763	34.074	8.749	26.453	161.4	0.308
150	8.530	34.060	8.515	26.478	159.1	0.324
175	8.334	34.099	8.316	26.540	153.7	0.363
200	7.991	34.115	7.971	26.604	147.9	0.400
225	7.601	34.092	7.580	26.643	144.5	0.437
250	7.438	34.130	7.414	26.697	139.8	0.473
300	7.370	34.205	7.341	26.766	134.0	0.541
400	6.338	34.271	6.303	26.959	116.6	0.666
500	5.751	34.311	5.708	27.066	107.3	0.776
573	5.590	34.328	5.541	27.100	104.8	0.853

LINEAR INTERPOLATION 112-116DB

STA NO 118 PUR-7 LAT: 34 45.0 N LONG:121 36.0 W
11 JUL 1981 1750 GMT PROBE 2567 DEPTH 953M
87.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	15.529	33.683	15.529	24.859	310.0	0.000
10	15.512	33.683	15.511	24.864	310.0	0.031
20	15.440	33.682	15.436	24.880	308.7	0.062
30	13.360	33.656	13.356	25.300	269.0	0.092
40	11.724	33.590	11.719	25.566	243.8	0.117
50	10.879	33.730	10.873	25.830	219.0	0.140
60	10.497	33.740	10.490	25.905	212.0	0.161
70	9.984	33.762	9.977	26.010	202.2	0.182
80	9.433	33.771	9.425	26.108	193.0	0.202
90	9.241	33.845	9.231	26.197	184.7	0.221
100	9.143	33.913	9.132	26.267	178.3	0.239
110	9.062	33.958	9.051	26.315	174.0	0.256
120	8.943	33.977	8.930	26.349	170.9	0.274
130	8.899	33.984	8.885	26.362	169.9	0.291
140	8.853	34.012	8.839	26.391	167.3	0.308
150	8.795	34.028	8.779	26.412	165.4	0.324
175	8.286	34.071	8.268	26.525	155.1	0.364
200	8.061	34.129	8.041	26.605	147.9	0.402
225	7.808	34.164	7.786	26.669	142.1	0.439
250	7.425	34.142	7.401	26.708	138.7	0.474
300	6.859	34.125	6.832	26.774	132.9	0.542
400	6.296	34.212	6.261	26.918	120.4	0.668
500	5.772	34.303	5.730	27.057	108.1	0.781
600	5.247	34.354	5.198	27.161	98.9	0.885
800	4.554	34.426	4.491	27.299	87.2	1.070
939	4.178	34.457	4.106	27.365	81.6	1.188





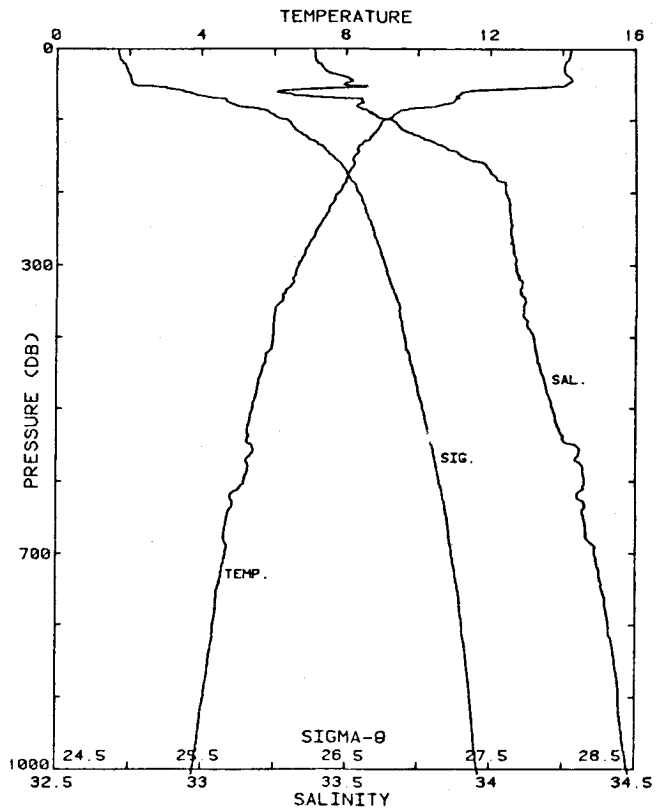
STATION 119 PUR 8

STA NO 119 PUR-8 LAT: 34 44.9 N LONG:121 48.0 W
 11 JUL 1981 1941 GMT PROBE 2567 DEPTH 2141M
 106.8 KM FROM SHORE

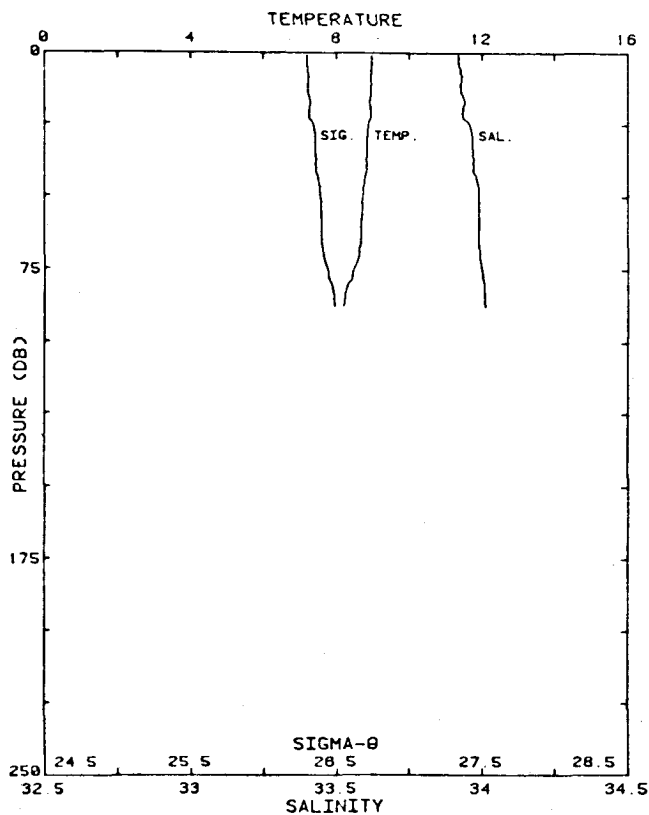
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
2	15.209	33.733	15.209	24.969	299.7	0.006
10	15.134	33.734	15.132	24.986	298.3	0.030
20	14.256	33.657	14.253	25.116	286.2	0.060
30	12.024	33.565	12.020	25.491	250.7	0.086
40	11.119	33.648	11.114	25.722	228.9	0.110
50	10.441	33.785	10.435	25.949	207.6	0.132
60	10.015	33.821	10.008	26.051	198.1	0.152
70	9.738	33.848	9.731	26.118	191.9	0.172
80	9.413	33.881	9.405	26.197	184.5	0.190
90	8.888	33.816	8.879	26.231	181.4	0.209
100	8.746	33.854	8.735	26.283	176.7	0.227
110	8.912	33.945	8.900	26.329	172.6	0.244
120	9.021	34.017	9.008	26.367	169.1	0.261
130	8.669	33.982	8.656	26.395	166.6	0.278
140	8.477	33.979	8.462	26.423	164.1	0.295
150	8.370	33.993	8.355	26.451	161.6	0.311
175	7.999	34.025	7.982	26.532	154.3	0.350
200	7.749	34.077	7.729	26.610	147.3	0.368
225	7.131	34.064	7.110	26.687	140.1	0.424
250	6.772	34.062	6.750	26.736	135.7	0.458
300	6.289	34.102	6.263	26.831	127.1	0.524
400	5.709	34.172	5.675	26.960	115.8	0.645
500	5.232	34.243	5.191	27.075	105.8	0.756
600	5.195	34.355	5.146	27.169	98.2	0.858
800	4.447	34.409	4.385	27.297	87.1	1.043
1000	3.885	34.469	3.810	27.405	77.7	1.207
1006	3.848	34.471	3.773	27.411	77.2	1.212

STA NO 120 PUR-9 LAT: 34 45.0 N LONG:122 0.0 W
 11 JUL 1981 2141 GMT PROBE 2567 DEPTH 4029M
 125.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	14.206	33.386	14.206	24.917	304.6	0.003
10	14.194	33.390	14.192	24.923	304.3	0.030
20	14.077	33.398	14.074	24.954	301.6	0.061
30	14.036	33.426	14.032	24.984	299.0	0.091
40	14.205	33.502	14.199	25.008	297.1	0.121
50	14.063	33.491	14.056	25.030	295.3	0.150
60	11.285	33.257	11.278	25.390	261.0	0.178
70	11.042	33.555	11.033	25.665	235.1	0.203
80	10.501	33.535	10.491	25.745	227.6	0.226
90	9.423	33.586	9.413	25.966	206.7	0.247
100	9.049	33.662	9.039	26.085	195.5	0.268
110	8.911	33.686	8.900	26.126	191.8	0.287
120	8.751	33.731	8.738	26.186	186.2	0.306
130	8.504	33.793	8.491	26.273	178.1	0.324
140	8.304	33.847	8.290	26.346	171.4	0.342
150	8.219	33.897	8.204	26.398	166.6	0.359
175	8.028	34.003	8.010	26.510	156.4	0.399
200	7.808	34.051	7.788	26.580	150.1	0.437
225	7.498	34.064	7.477	26.636	145.1	0.474
250	7.179	34.068	7.155	26.684	140.8	0.509
300	6.649	34.085	6.622	26.770	133.1	0.578
400	5.959	34.147	5.925	26.910	120.8	0.704
500	5.393	34.213	5.352	27.032	110.0	0.819
600	5.171	34.323	5.122	27.146	100.2	0.924
800	4.325	34.406	4.264	27.308	85.8	1.109
1000	3.787	34.474	3.713	27.419	76.2	1.271
1007	3.760	34.478	3.686	27.425	75.6	1.276



STATION 120 PUR 9



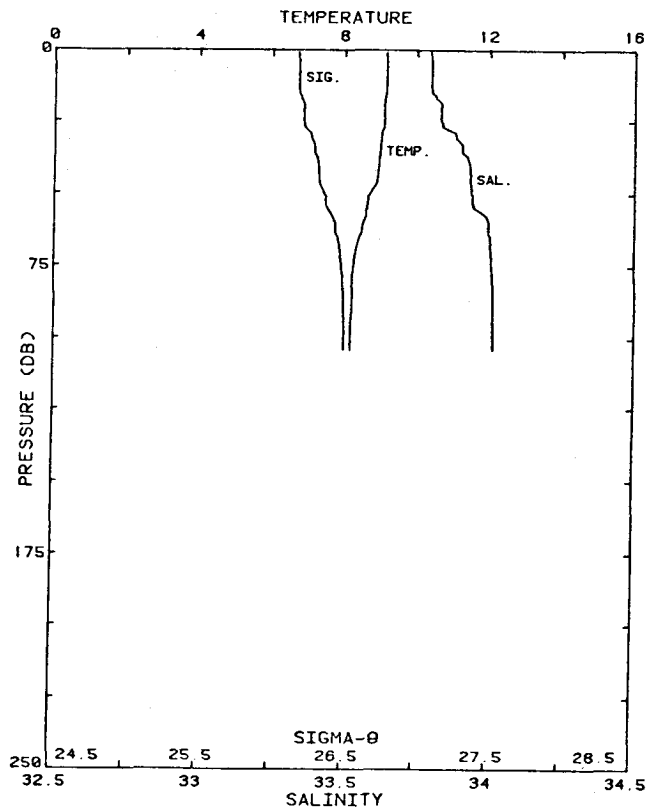
STA NO 123 COC-3 LAT: 38 37.5 N LONG: 123 28.9 W
 13 JUL 1981 0248 GMT PROBE 2567 DEPTH 93M
 6.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	8.969	33.920	8.969	26.296	173.3	0.002
10	8.951	33.930	8.950	26.309	172.5	0.017
20	8.941	33.934	8.939	26.314	172.2	0.035
30	8.840	33.968	8.837	26.356	168.4	0.052
40	8.825	33.972	8.821	26.362	168.0	0.068
50	8.725	33.989	8.720	26.391	165.5	0.085
60	8.676	33.991	8.669	26.401	164.7	0.102
70	8.606	33.992	8.599	26.413	163.8	0.118
80	8.338	34.008	8.330	26.466	158.8	0.134
88	8.200	34.011	8.191	26.470	156.8	0.147

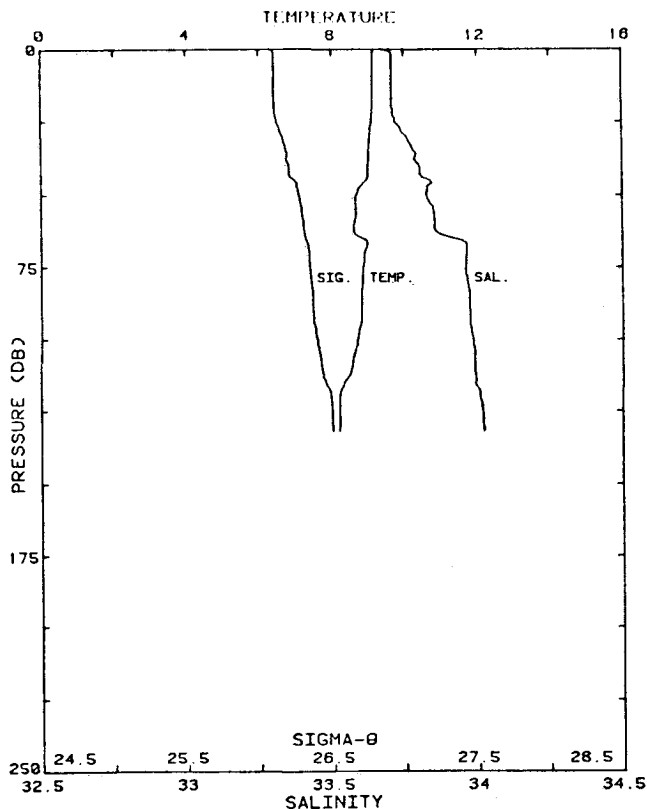
STA NO 124 COC-4 LAT: 38 36.2 N LONG: 123 28.9 W
 13 JUL 1981 0321 GMT PROBE 2567 DEPTH 111M
 10.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.154	33.797	9.154	26.173	185.2	0.002
10	9.136	33.798	9.135	26.176	185.1	0.019
20	9.079	33.834	9.077	26.214	181.7	0.037
30	9.001	33.884	8.998	26.265	177.0	0.055
40	8.932	33.932	8.928	26.314	172.6	0.072
50	8.623	33.938	8.688	26.356	168.7	0.090
60	8.505	33.997	8.499	26.431	161.8	0.106
70	8.307	34.006	8.300	26.469	159.4	0.122
80	8.220	34.012	8.212	26.487	158.8	0.138
90	8.190	34.013	8.181	26.492	156.5	0.154
100	8.166	34.015	8.156	26.498	156.2	0.169
104	8.166	34.016	8.156	26.499	156.2	0.175

LINEAR INTERPOLATE 81-84DB



STATION 124 COC 4



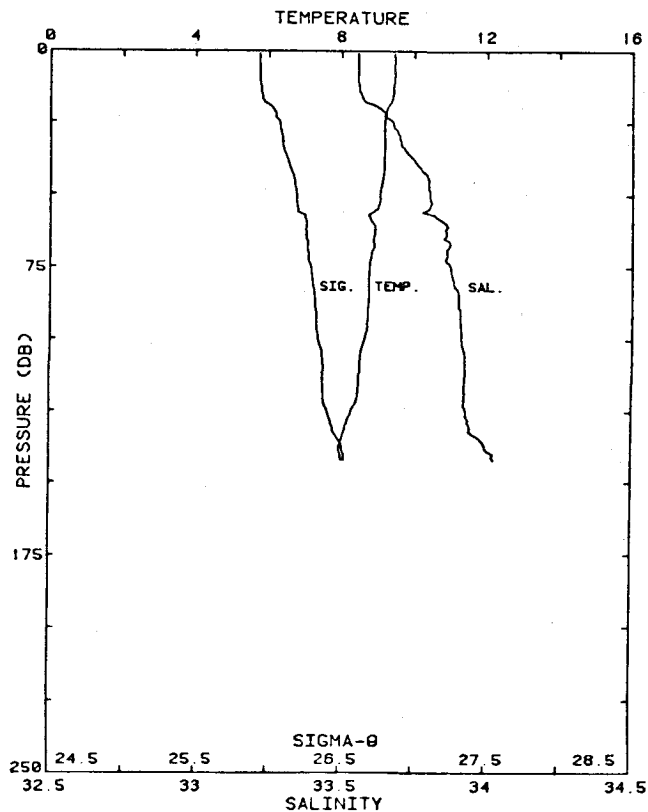
STA NO 125 COC-5 LAT: 38 34.6 N LONG:123 33.3 W
 13 JUL 1981 0354 GMT PROBE 2567 DEPTH 136M
 15.4 KM FROM SHORE

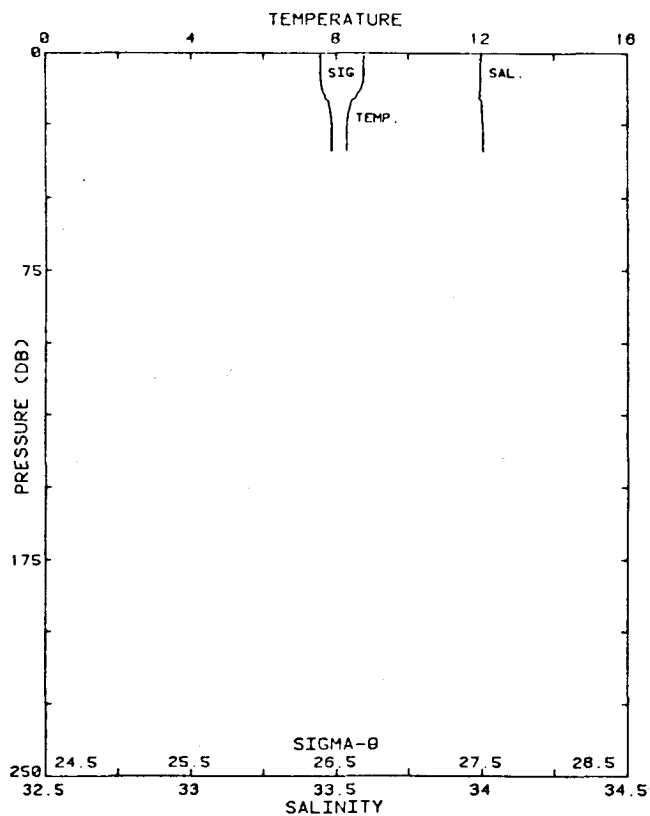
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.150	33.670	9.150	26.074	194.6	0.000
10	9.144	33.708	9.143	26.105	191.3	0.019
20	9.142	33.709	9.139	26.106	191.9	0.038
30	9.049	33.758	9.046	26.159	187.1	0.057
40	8.995	33.801	8.991	26.201	183.2	0.076
50	8.675	33.825	8.670	26.271	176.9	0.094
60	8.609	33.854	8.603	26.303	173.9	0.111
70	8.902	33.962	8.895	26.343	170.4	0.129
80	8.833	33.966	8.824	26.357	169.3	0.146
90	8.801	33.973	8.791	26.367	168.5	0.163
100	8.685	33.984	8.675	26.394	166.1	0.179
110	8.525	33.990	8.514	26.424	163.5	0.196
120	8.199	34.009	8.187	26.489	157.4	0.212
130	8.190	34.020	8.177	26.499	156.6	0.228
132	8.185	34.021	8.172	26.500	156.6	0.231

LINEAR INTERPOLATE 25-27

STA NO 126 COC-6 LAT: 38 32.7 N LONG:123 36.2 W
 13 JUL 1981 0431 GMT PROBE 2567 DEPTH 148M
 20.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.460	33.557	9.460	25.935	207.7	0.002
10	9.457	33.556	9.456	25.936	207.9	0.021
20	9.266	33.630	9.264	26.024	199.7	0.041
30	9.195	33.703	9.192	26.093	193.4	0.061
40	9.174	33.763	9.170	26.143	188.8	0.080
50	9.076	33.804	9.071	26.191	184.4	0.099
60	8.919	33.860	8.912	26.260	178.1	0.117
70	8.833	33.864	8.825	26.277	176.7	0.135
80	8.766	33.887	8.757	26.306	174.1	0.152
90	8.734	33.910	8.725	26.328	172.2	0.170
100	8.653	33.913	8.643	26.343	170.9	0.187
110	8.508	33.927	8.497	26.377	167.9	0.204
120	8.456	33.926	8.454	26.383	167.5	0.220
130	8.132	33.945	8.119	26.448	161.4	0.237
140	8.018	34.026	8.004	26.529	153.9	0.253
142	8.030	34.027	8.016	26.528	154.1	0.256





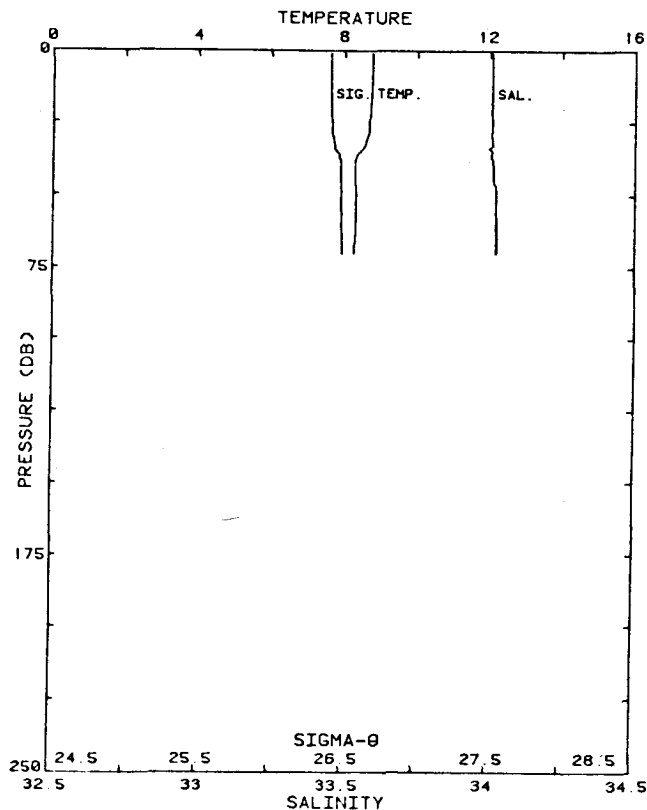
STATION 121 COC 1

STA NO 121 COC-1 LAT: 38 39.8 N LONG:123 25.5 W
 13 JUL 1981 0152 GMT PROBE 2567 DEPTH 38M
 1.0 KM FROM SHORE

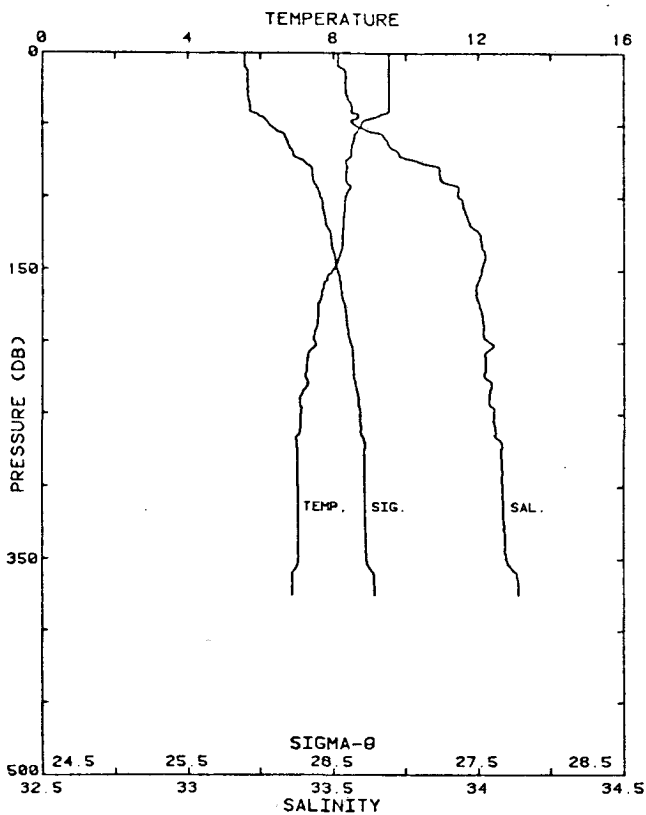
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
1	8.768	33.997	8.768	26.390	164.4	0.002
10	8.753	33.997	8.752	26.393	164.5	0.016
20	8.353	34.000	8.351	26.456	158.6	0.033
30	8.289	34.006	8.286	26.471	157.4	0.048
34	8.290	34.005	8.286	26.471	157.5	0.055

STA NO 122 COC-2 LAT: 38 38.8 N LONG:123 26.9 W
 13 JUL 1981 0217 GMT PROBE 2567 DEPTH 75M
 3.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
1	8.749	34.009	8.749	26.402	163.4	0.002
10	8.746	34.009	8.745	26.402	163.6	0.016
20	8.706	34.009	8.704	26.409	163.1	0.033
30	8.623	34.007	8.620	26.421	162.2	0.049
40	8.297	34.013	8.293	26.476	157.2	0.065
50	8.319	34.022	8.314	26.480	157.0	0.081
60	8.313	34.024	8.307	26.482	157.0	0.096
70	8.266	34.024	8.259	26.490	156.4	0.112



STATION 122 COC 2



STATION 127 COC 7

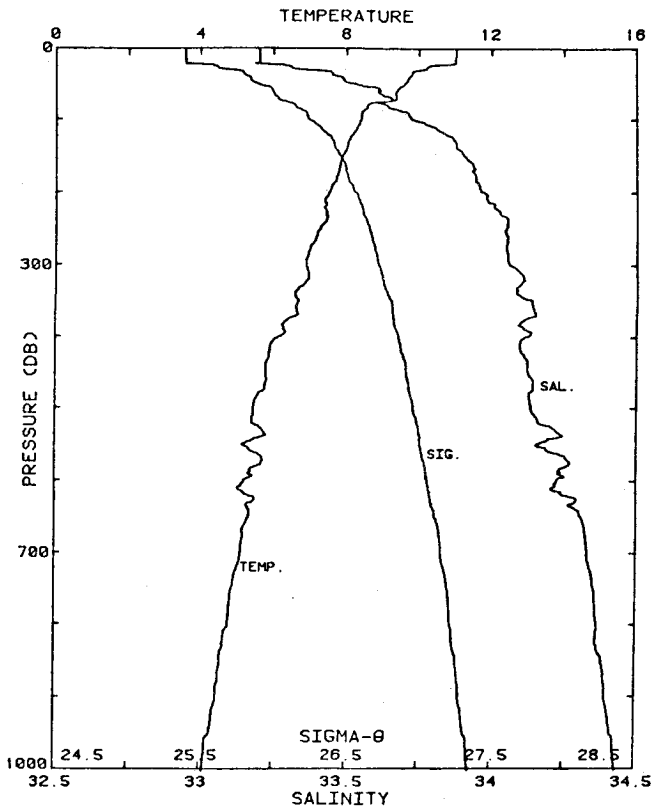
STA NO 127 COC-7 LAT: 38 30.3 N LONG:123 39.4 W
 13 JUL 1981 0513 GMT PROBE 2567 DEPTH 385M
 27.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	9.538	33.517	9.538	25.891	211.9	0.000
10	9.538	33.517	9.537	25.892	212.1	0.021
20	9.527	33.543	9.525	25.914	210.2	0.042
30	9.529	33.545	9.526	25.915	210.3	0.063
40	9.530	33.563	9.526	25.929	209.1	0.084
50	8.760	33.572	8.755	25.060	196.9	0.104
60	8.563	33.678	8.557	26.173	186.3	0.124
70	8.478	33.726	8.471	26.224	181.7	0.142
80	8.370	33.866	8.361	26.350	169.9	0.160
90	8.367	33.884	8.358	26.364	168.7	0.176
100	8.326	33.931	8.316	26.408	164.7	0.193
110	8.296	33.956	8.284	26.432	162.6	0.209
120	8.264	33.974	8.252	26.452	161.0	0.226
130	8.240	34.010	8.227	26.484	158.1	0.241
140	8.162	34.024	8.148	26.506	156.2	0.257
150	7.998	34.011	7.983	26.520	154.9	0.273
175	7.565	34.003	7.548	26.578	149.8	0.311
200	7.482	34.037	7.463	26.617	146.5	0.348
225	7.235	34.024	7.214	26.642	144.4	0.384
250	7.091	34.052	7.068	26.684	140.8	0.420
300	7.027	34.086	6.999	26.720	138.1	0.489
376	6.852	34.139	6.817	26.786	132.9	0.593

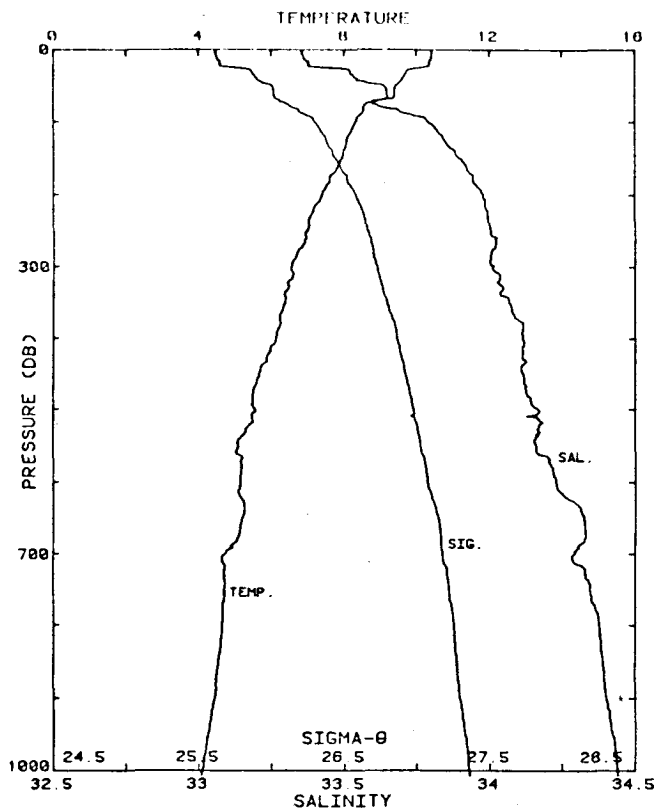
STA NO 128 COC-8 LAT: 38 27.1 N LONG:123 44.5 W
 13 JUL 1981 0626 GMT PROBE 2567 DEPTH 1177M
 36.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.030	33.202	11.030	25.391	259.5	0.003
10	11.015	33.202	11.014	25.394	257.4	0.026
20	11.008	33.202	11.006	25.396	259.5	0.052
30	10.061	33.347	10.058	25.673	233.3	0.076
40	9.745	33.479	9.740	25.829	218.7	0.099
50	9.590	33.533	9.584	25.896	212.5	0.120
60	9.410	33.615	9.403	25.990	203.8	0.141
70	9.379	33.656	9.371	26.027	200.4	0.161
80	8.567	33.641	8.559	26.144	189.4	0.181
90	8.417	33.709	8.408	26.220	182.4	0.199
100	8.391	33.725	8.381	26.237	180.9	0.218
110	8.290	33.801	8.279	26.312	174.0	0.235
120	8.163	33.841	8.151	26.363	169.4	0.252
130	8.044	33.874	8.031	26.406	165.4	0.269
140	7.992	33.882	7.978	26.420	164.2	0.286
150	7.874	33.908	7.860	26.458	160.8	0.302
175	7.758	33.945	7.741	26.504	156.8	0.342
200	7.528	33.970	7.509	26.558	152.1	0.380
225	7.422	34.022	7.400	26.613	147.2	0.417
250	7.273	34.050	7.250	26.657	143.4	0.454
300	6.876	34.062	6.849	26.722	137.8	0.524
400	6.177	34.123	6.142	26.863	125.4	0.656
500	5.449	34.135	5.408	26.963	116.5	0.776
600	5.210	34.224	5.161	27.063	108.1	0.889
800	4.789	34.366	4.725	27.225	94.5	1.089
1000	4.105	34.434	4.029	27.355	83.0	1.266
1003	4.102	34.434	4.025	27.355	83.0	1.269

LINEAR INTERPOLATE 169-175DB



STATION 128 COC 8



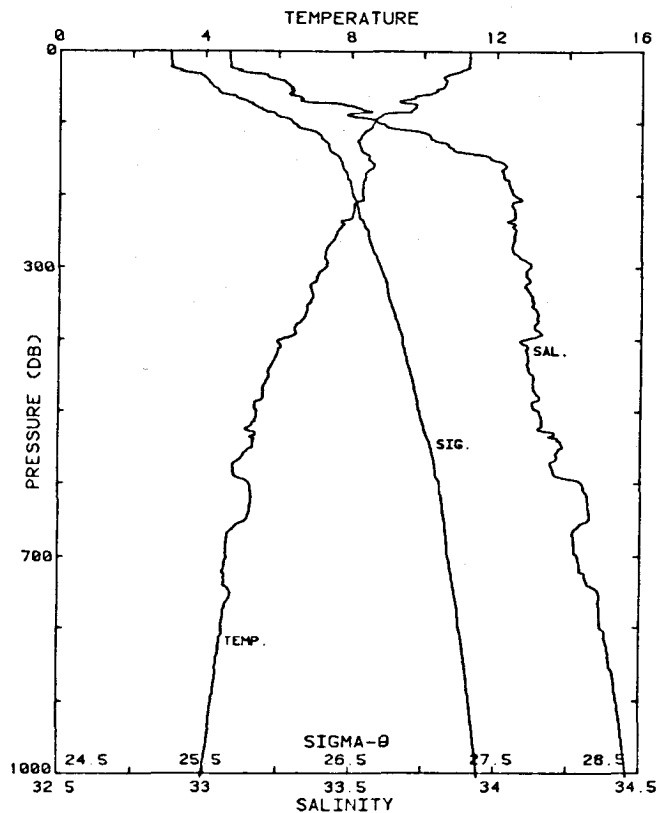
STA NO 129 COC-9 LAT: 38 24.0 N LONG:123 49.1 W
 13 JUL 1981 0802 GMT PROBE 2567 DEPTH 1692M
 46.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.425	33.350	10.425	25.613	238.4	0.002
10	10.406	33.359	10.405	25.623	237.6	0.024
20	10.354	33.375	10.351	25.645	235.8	0.047
30	9.726	33.519	9.723	25.863	215.3	0.070
40	9.600	33.543	9.596	25.902	211.7	0.082
50	9.416	33.637	9.411	26.006	202.0	0.112
60	9.396	33.648	9.389	26.018	201.1	0.132
70	9.908	33.599	8.900	26.058	197.5	0.152
80	8.531	33.644	8.522	26.152	188.7	0.172
90	8.456	33.737	8.447	26.236	180.9	0.190
100	8.319	33.791	8.309	26.299	175.1	0.208
110	8.218	33.818	8.207	26.336	171.7	0.225
120	8.115	33.838	8.103	26.367	169.0	0.242
130	8.063	33.851	8.050	26.385	167.4	0.259
140	7.979	33.880	7.966	26.420	164.2	0.276
150	7.945	33.895	7.930	26.437	162.8	0.292
175	7.620	33.944	7.603	26.523	154.9	0.332
200	7.399	33.980	7.380	26.583	149.6	0.370
225	7.145	33.996	7.124	26.632	145.2	0.407
250	6.993	34.003	6.970	26.659	143.1	0.443
300	6.558	34.015	6.531	26.728	137.0	0.513
400	6.122	34.114	6.087	26.864	125.3	0.644
500	5.546	34.166	5.505	26.977	113.4	0.764
600	5.146	34.227	5.097	27.073	107.1	0.875
800	4.638	34.378	4.575	27.252	91.7	1.072
1000	4.088	34.442	4.011	27.363	82.2	1.247
1007	4.082	34.442	4.005	27.364	82.2	1.253

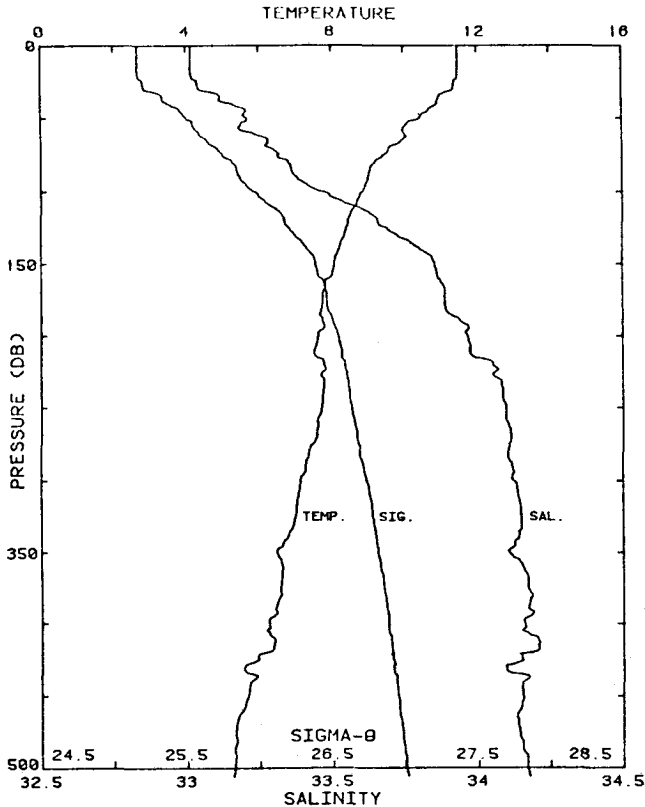
STA NO 130 COC-10 LAT: 38 20.7 N LONG:123 54.4 W
 13 JUL 1981 0940 GMT PROBE 2567 DEPTH 2333M
 55.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.253	33.082	11.252	25.258	272.1	0.003
10	11.248	33.083	11.247	25.260	272.1	0.027
20	11.218	33.086	11.216	25.268	271.6	0.054
30	10.902	33.134	10.899	25.361	263.0	0.081
40	10.566	33.249	10.561	25.510	249.0	0.107
50	10.531	33.292	10.526	25.550	245.5	0.131
60	10.165	33.284	10.158	25.607	240.2	0.156
70	9.306	33.322	9.298	25.779	224.0	0.179
80	9.711	33.532	9.702	25.876	215.1	0.201
90	8.816	33.490	8.806	25.988	204.5	0.222
100	8.619	33.590	8.609	26.096	194.4	0.241
110	8.430	33.690	8.419	26.204	184.3	0.260
120	8.252	33.772	8.240	26.295	175.8	0.278
130	8.225	33.834	8.212	26.348	171.0	0.296
140	8.317	33.874	8.303	26.365	169.6	0.313
150	8.469	33.982	8.454	26.427	163.9	0.329
175	8.377	34.026	8.359	26.476	159.8	0.370
200	8.309	34.062	8.288	26.514	156.6	0.409
225	8.045	34.063	8.023	26.556	153.0	0.448
250	7.620	34.065	7.596	26.619	147.2	0.485
300	7.303	34.117	7.274	26.706	139.6	0.557
400	6.084	34.103	6.049	26.859	125.7	0.690
500	5.423	34.154	5.382	26.980	115.0	0.811
600	5.243	34.297	5.194	27.117	103.1	0.920
800	4.499	34.364	4.436	27.256	91.1	1.114
1000	3.945	34.454	3.869	27.387	79.6	1.283
1006	3.925	34.456	3.849	27.391	79.2	1.288

LINEAR INTERPOLATED LINES 1833-1863



STATION 130 COC 10

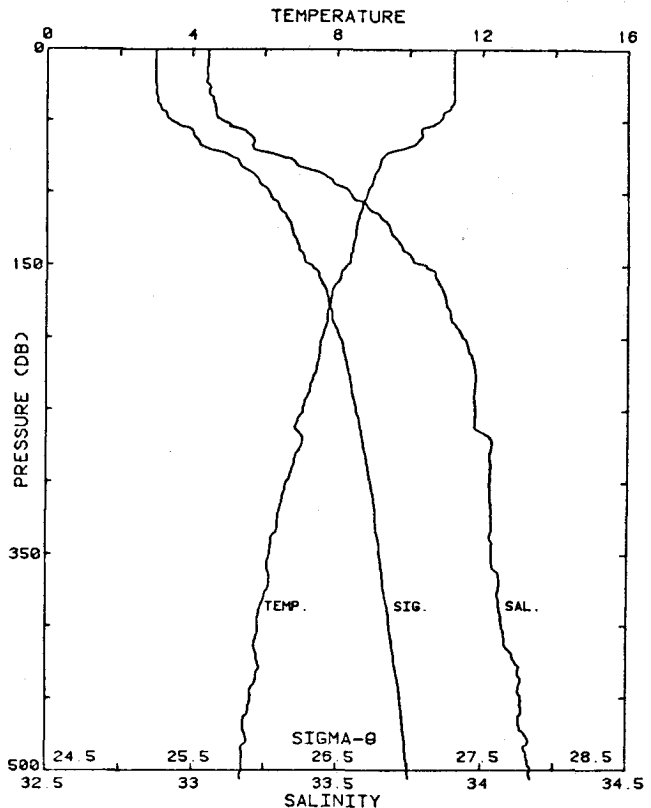


STA NO 131 OFS-30 LAT: 38 25.2 N LONG:123 57.2 W
13 JUL 1981 1133 GMT PROBE 2567 DEPTH 2371M

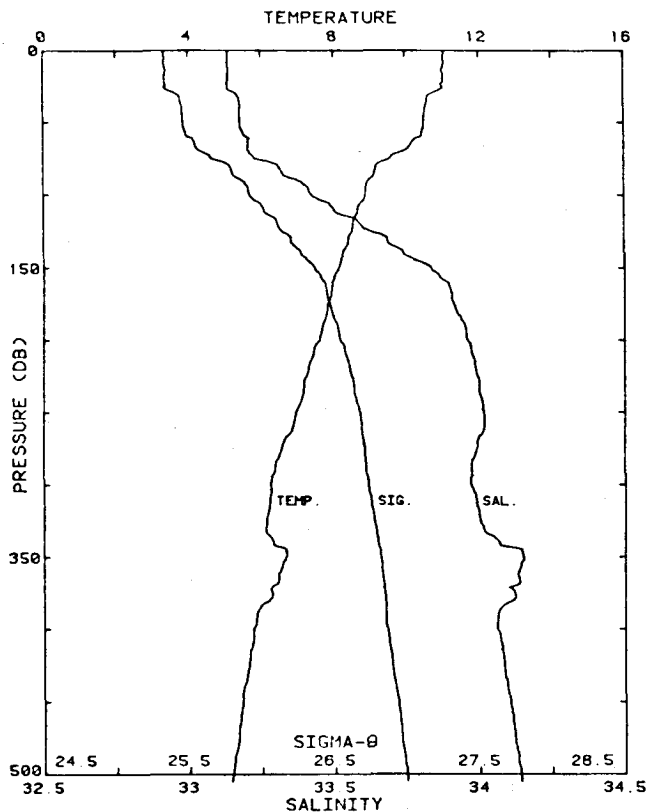
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.485	33.018	11.485	25.166	280.7	0.003
10	11.486	33.017	11.485	25.165	281.2	0.028
20	11.482	33.017	11.480	25.167	281.2	0.056
30	11.364	33.045	11.361	25.210	277.4	0.084
40	10.936	33.159	10.932	25.375	261.9	0.111
50	10.438	33.209	10.432	25.501	250.1	0.136
60	10.009	33.227	10.002	25.589	241.9	0.161
70	9.597	33.279	9.589	25.698	231.7	0.185
80	9.216	33.350	9.207	25.815	220.7	0.207
90	9.020	33.377	9.010	25.867	215.9	0.229
100	8.875	33.459	8.865	25.954	207.9	0.250
110	8.655	33.580	8.643	26.083	195.8	0.271
120	8.460	33.660	8.448	26.176	187.1	0.290
130	8.359	33.723	8.346	26.240	181.2	0.308
140	8.201	33.805	8.187	26.328	173.0	0.326
150	8.065	33.855	8.050	26.388	167.5	0.343
175	7.733	33.888	7.716	26.464	160.6	0.384
200	7.612	33.967	7.593	26.543	153.6	0.423
225	7.729	34.063	7.707	26.602	149.5	0.461
250	7.696	34.099	7.672	26.635	145.7	0.498
300	7.112	34.121	7.084	26.736	136.7	0.569
400	6.245	34.160	6.210	26.884	123.6	0.698
500	5.300	34.167	5.259	27.007	112.3	0.816
506	5.264	34.175	5.222	27.017	111.3	0.822

STA NO 132 OFS-29 LAT: 38 29.9 N LONG:124 0.0 W
13 JUL 1981 1305 GMT PROBE 2567 DEPTH 3027M
COND. CHANGE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.216	33.055	11.215	25.244	273.5	0.003
10	11.208	33.053	11.207	25.244	273.7	0.027
20	11.210	33.052	11.208	25.243	274.0	0.055
30	11.214	33.058	11.211	25.247	273.9	0.082
40	11.134	33.080	11.129	25.279	271.0	0.109
50	10.833	33.101	10.827	25.349	264.6	0.136
60	10.339	33.201	10.333	25.512	249.3	0.162
70	9.663	33.215	9.655	25.637	237.5	0.186
80	9.168	33.357	9.159	25.828	219.5	0.209
90	8.989	33.474	8.980	25.948	208.3	0.230
100	8.820	33.543	8.810	26.028	200.8	0.251
110	8.678	33.604	8.666	26.098	194.4	0.270
120	8.536	33.669	8.524	26.171	187.6	0.289
130	8.480	33.694	8.467	26.200	185.1	0.308
140	8.403	33.727	8.389	26.237	181.7	0.326
150	8.255	33.800	8.240	26.317	174.3	0.344
175	7.815	33.876	7.793	26.442	162.7	0.384
200	7.589	33.932	7.570	26.519	155.8	0.426
225	7.397	33.978	7.376	26.583	150.1	0.464
250	7.042	33.975	7.019	26.630	145.8	0.501
300	6.596	34.025	6.569	26.731	136.8	0.572
400	5.827	34.071	5.793	26.866	124.8	0.703
500	5.401	34.171	5.360	26.998	113.2	0.821
506	5.362	34.174	5.321	27.005	112.6	0.828



STATION 132 OFS 29



STATION 133 NOR 8

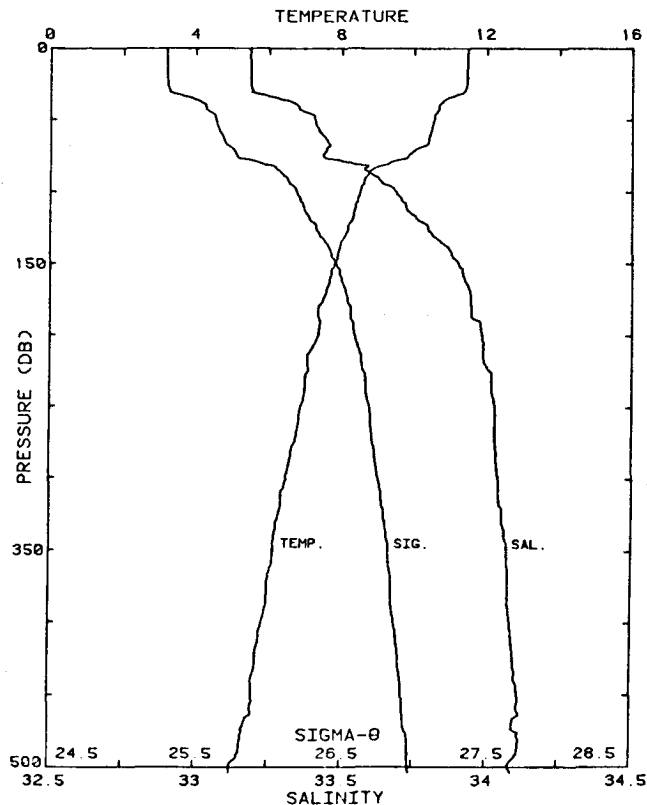
STA NO 133 NOR-8 LAT: 38 34.5 N LONG:124 3.1 W
13 JUL 1981 1421 GMT PROBE 2567 DEPTH 2351M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.067	33.136	11.067	25.333	265.0	0.003
10	11.049	33.136	11.048	25.337	264.8	0.026
20	11.049	33.138	11.046	25.339	264.9	0.053
30	10.717	33.166	10.713	25.419	257.5	0.079
40	10.546	33.179	10.541	25.459	253.9	0.105
50	10.506	33.179	10.500	25.466	253.4	0.130
60	10.438	33.201	10.431	25.496	250.9	0.155
70	9.911	33.210	9.903	25.592	241.9	0.180
80	9.184	33.310	9.175	25.789	223.2	0.203
90	8.977	33.378	8.967	25.875	215.2	0.225
100	8.894	33.424	8.883	25.924	210.8	0.246
110	8.672	33.501	8.660	26.019	201.9	0.267
120	8.531	33.594	8.519	26.113	193.1	0.287
130	8.409	33.687	8.396	26.205	184.5	0.306
140	8.254	33.744	8.240	26.273	178.2	0.324
150	8.128	33.836	8.113	26.364	169.8	0.341
175	7.816	33.914	7.799	26.472	159.9	0.382
200	7.588	33.959	7.569	26.541	153.7	0.422
225	7.229	33.993	7.208	26.618	146.6	0.459
250	6.920	34.017	6.897	26.680	141.0	0.495
300	6.224	33.969	6.198	26.735	136.1	0.564
400	5.747	34.059	5.713	26.867	124.7	0.694
500	5.187	34.141	5.147	26.999	112.8	0.812
505	5.156	34.142	5.116	27.004	112.5	0.818

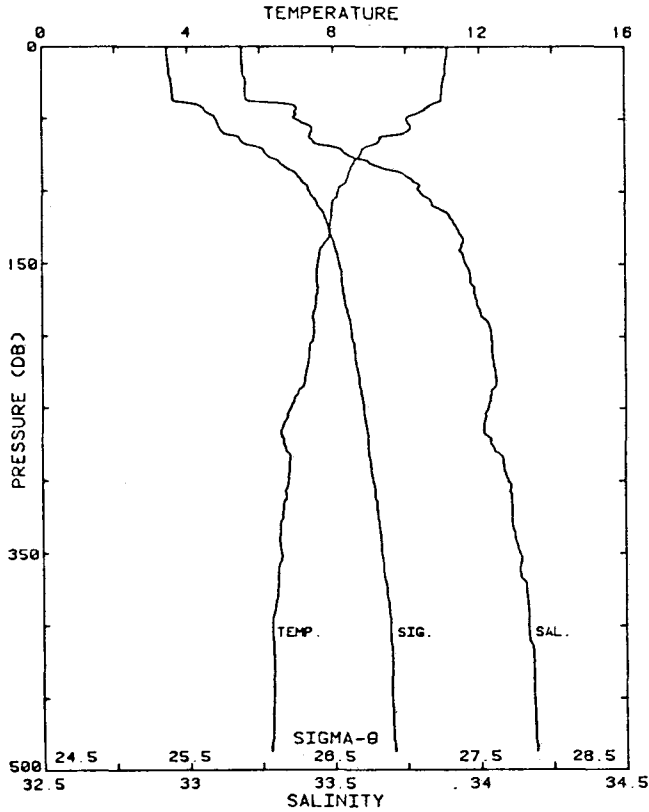
RECAST TOP 54DB

STA NO 134 OFS27 LAT: 38 44.0 N LONG:124 10.4 W
13 JUL 1981 1634 GMT PROBE 2567 DEPTH 2768M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.478	33.185	11.478	25.297	268.4	0.003
10	11.466	33.186	11.465	25.301	268.3	0.027
20	11.451	33.187	11.449	25.304	268.2	0.054
30	11.382	33.195	11.378	25.323	266.6	0.080
40	10.675	33.346	10.671	25.566	243.7	0.106
50	10.536	33.408	10.530	25.639	237.0	0.130
60	10.423	33.433	10.416	25.679	233.4	0.154
70	10.071	33.446	10.063	25.749	227.0	0.177
80	9.326	33.525	9.310	25.933	209.6	0.199
90	8.655	33.624	8.645	26.117	192.2	0.219
100	8.505	33.687	8.495	26.190	185.4	0.238
110	8.379	33.722	8.367	26.236	181.2	0.256
120	8.270	33.767	8.266	26.287	176.6	0.274
130	8.105	33.814	8.092	26.350	170.8	0.291
140	7.942	33.873	7.928	26.421	164.2	0.308
150	7.804	33.903	7.790	26.464	160.2	0.324
175	7.494	33.945	7.478	26.542	153.1	0.363
200	7.373	33.986	7.354	26.592	148.8	0.401
225	7.096	34.011	7.075	26.651	143.5	0.437
250	6.879	34.031	6.857	26.696	139.5	0.473
300	6.487	34.042	6.460	26.758	134.2	0.541
400	5.848	34.085	5.814	26.874	124.0	0.670
500	4.988	34.082	4.949	26.975	114.8	0.789
504	4.989	34.094	4.949	26.985	114.0	0.793



STATION 134 OFS 27



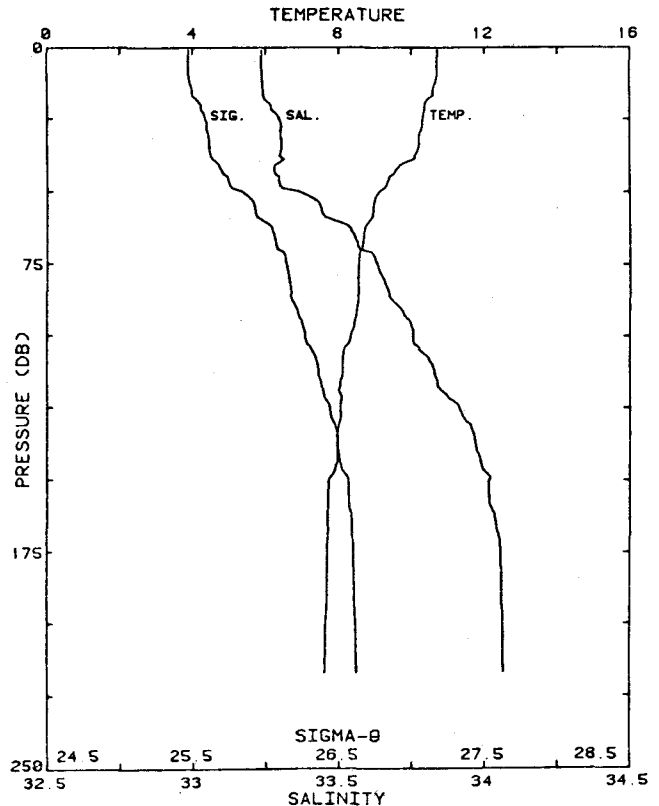
STATION 137 AR 5

STA NO 137 AR-5 LAT: 38 53.1 N LONG:123 59.0 W
 13 JUL 1981 2032 GMT PROBE 2567 DEPTH 491M
 22.8 KM FROM SHORE

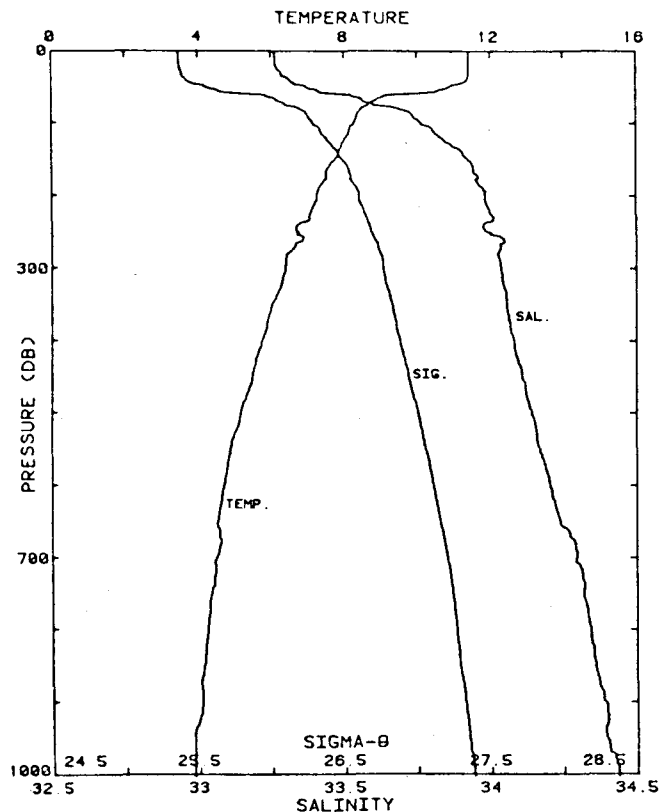
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.141	33.188	11.140	25.361	262.4	0.003
10	11.101	33.189	11.100	25.369	261.8	0.026
20	11.068	33.194	11.066	25.379	261.1	0.052
30	10.988	33.201	10.985	25.398	259.5	0.078
40	10.711	33.340	10.706	25.556	244.7	0.104
50	10.001	33.366	9.996	25.698	231.4	0.128
60	9.925	33.420	9.918	25.754	226.3	0.151
70	8.847	33.507	8.840	25.996	203.4	0.172
80	8.554	33.621	8.546	26.130	190.7	0.192
90	8.392	33.751	8.383	26.257	178.9	0.210
100	8.115	33.794	8.105	26.332	171.9	0.228
110	7.961	33.840	7.950	26.392	166.4	0.245
120	7.920	33.907	7.908	26.450	161.0	0.261
130	7.890	33.932	7.877	26.475	158.9	0.277
140	7.628	33.934	7.615	26.514	155.2	0.293
150	7.563	33.951	7.549	26.537	153.2	0.308
175	7.507	33.988	7.490	26.574	150.1	0.346
200	7.438	34.039	7.419	26.625	145.7	0.383
225	7.225	34.052	7.204	26.665	142.2	0.419
250	6.811	34.027	6.788	26.702	138.9	0.454
300	6.749	34.096	6.722	26.766	133.6	0.522
400	6.287	34.164	6.252	26.882	123.8	0.651
487	6.235	34.192	6.192	26.911	122.2	0.758

STA NO 138 AR-4 LAT: 38 53.9 N LONG:123 55.8 W
 13 JUL 1981 2121 GMT PROBE 2567 DEPTH 221M
 17.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.718	33.235	10.718	25.472	251.8	0.003
10	10.717	33.239	10.715	25.476	251.6	0.025
20	10.368	33.267	10.365	25.558	244.0	0.050
30	10.224	33.302	10.221	25.610	239.3	0.074
40	9.885	33.301	9.881	25.666	234.1	0.098
50	9.135	33.360	9.129	25.835	218.3	0.121
60	8.870	33.479	8.863	25.970	205.6	0.142
70	8.641	33.572	8.633	26.079	195.4	0.162
80	8.527	33.652	8.519	26.158	188.1	0.181
90	8.514	33.707	8.505	26.204	183.9	0.199
100	8.326	33.756	8.315	26.271	177.7	0.218
110	8.110	33.822	8.099	26.355	169.9	0.235
120	8.033	33.861	8.021	26.397	166.0	0.252
130	8.015	33.941	8.002	26.463	160.0	0.268
140	7.964	33.975	7.950	26.498	156.9	0.284
150	7.729	34.019	7.715	26.566	150.5	0.299
175	7.689	34.057	7.672	26.602	147.5	0.337
200	7.637	34.064	7.617	26.616	146.7	0.373
217	7.607	34.064	7.586	26.622	146.4	0.398



STATION 138 AR 4



STATION 135 AR 7

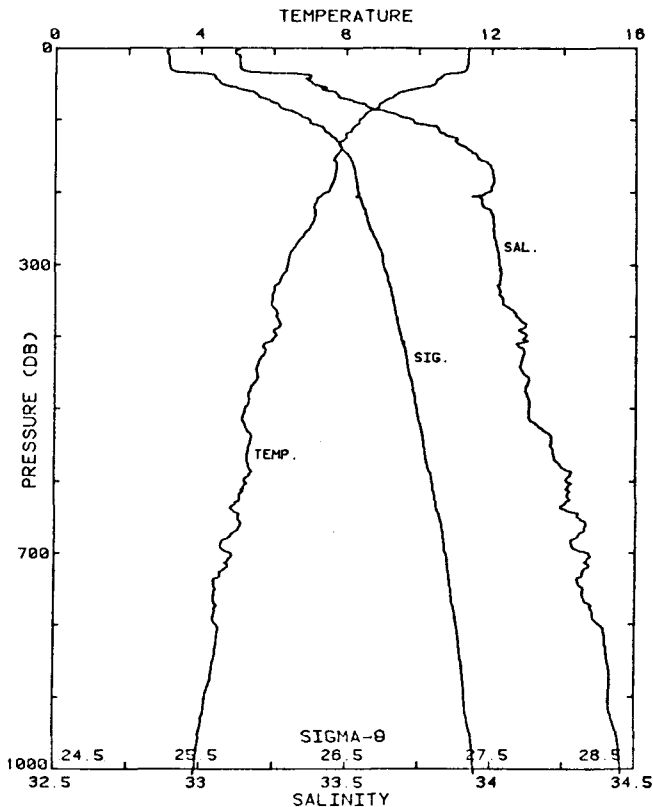
STA NO 135 AR-7 LAT: 38 50.2 N LONG:124 8.1 W
 13 JUL 1981 1756 GMT PROBE 2567 DEPTH 2055H
 37.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.422	33.262	11.422	25.367	261.8	0.003
10	11.411	33.264	11.410	25.371	261.5	0.026
20	11.407	33.266	11.404	25.374	261.6	0.052
30	11.397	33.284	11.394	25.390	260.3	0.079
40	11.358	33.313	11.353	25.419	257.7	0.104
50	10.876	33.371	10.870	25.551	245.4	0.130
60	9.650	33.480	9.683	25.839	218.2	0.153
70	8.834	33.565	8.826	26.043	198.9	0.174
80	8.472	33.686	8.464	26.194	184.7	0.193
90	8.346	33.736	8.336	26.252	179.3	0.211
100	8.276	33.762	8.266	26.283	176.5	0.229
110	8.138	33.804	8.127	26.337	171.6	0.246
120	8.055	33.829	8.043	26.369	168.7	0.263
130	7.926	33.865	7.914	26.417	164.4	0.280
140	7.853	33.905	7.839	26.459	160.5	0.296
150	7.754	33.923	7.739	26.487	158.0	0.312
175	7.515	33.959	7.498	26.550	152.4	0.351
200	7.264	33.983	7.245	26.605	147.5	0.388
225	7.068	34.001	7.047	26.647	143.8	0.425
250	6.700	33.988	6.677	26.687	140.3	0.460
300	6.381	34.038	6.355	26.768	133.1	0.528
400	5.748	34.081	5.715	26.884	123.1	0.657
500	5.151	34.142	5.111	27.004	112.3	0.774
600	4.680	34.202	4.633	27.106	103.2	0.882
800	4.241	34.342	4.180	27.266	89.6	1.073
1000	3.857	34.437	3.783	27.382	79.7	1.243
1003	3.856	34.437	3.781	27.383	79.7	1.245

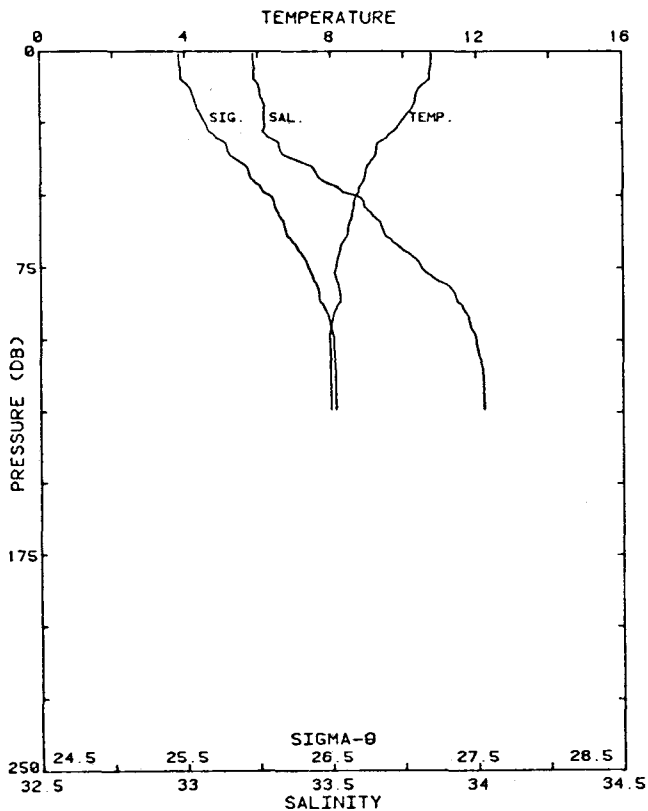
STA NO 136 AR-6 LAT: 38 52.1 N LONG:124 2.3 W
 13 JUL 1981 1924 GMT PROBE 2567 DEPTH 1299H
 27.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.372	33.128	11.372	25.272	270.8	0.003
10	11.360	33.119	11.359	25.267	271.5	0.027
20	11.351	33.133	11.349	25.281	270.4	0.054
30	11.314	33.135	11.310	25.289	269.9	0.081
40	10.644	33.376	10.640	25.595	241.0	0.107
50	10.423	33.383	10.417	25.639	237.0	0.131
60	9.599	33.447	9.592	25.828	219.2	0.154
70	9.196	33.490	9.189	25.927	209.9	0.175
80	8.905	33.567	8.896	26.034	200.0	0.195
90	8.570	33.646	8.561	26.148	189.3	0.215
100	8.352	33.728	8.342	26.245	180.2	0.233
110	8.177	33.811	8.166	26.337	171.6	0.251
120	7.981	33.839	7.969	26.388	166.9	0.268
130	7.856	33.872	7.843	26.432	162.9	0.285
140	7.856	33.917	7.842	26.467	159.7	0.301
150	7.706	33.950	7.691	26.515	155.3	0.316
175	7.690	34.005	7.673	26.561	151.4	0.355
200	7.439	33.989	7.420	26.585	149.5	0.392
225	7.145	33.998	7.124	26.634	145.1	0.429
250	6.978	34.008	6.955	26.665	142.5	0.465
300	6.372	34.028	6.365	26.760	133.9	0.534
400	6.042	34.122	6.008	26.879	123.8	0.662
500	5.221	34.131	5.180	26.988	114.0	0.781
600	5.207	34.261	5.158	27.093	105.3	0.891
800	4.459	34.375	4.397	27.269	89.7	1.085
1000	3.877	34.453	3.803	27.393	78.8	1.254
1007	3.849	34.452	3.774	27.396	78.6	1.259

LINEAR INTERPOLATION 204-208DR



STATION 136 AR 6



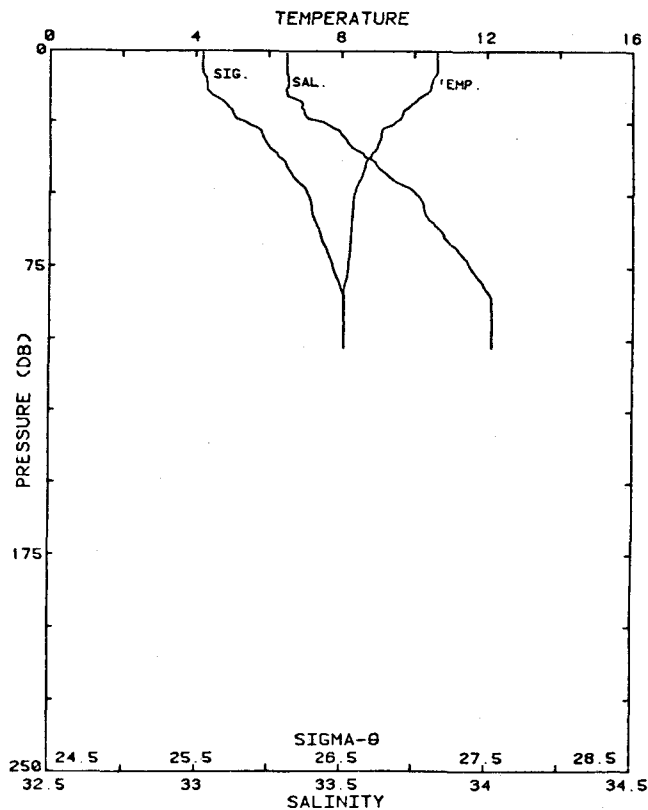
STATION 139 AR 3

STA NO 139 AR-3 LAT: 38 55.0 N LONG:123 52.6 W
 13 JUL 1981 2200 GMT PROBE 2567 DEPTH 127M
 12.8 KM FROM SHORE

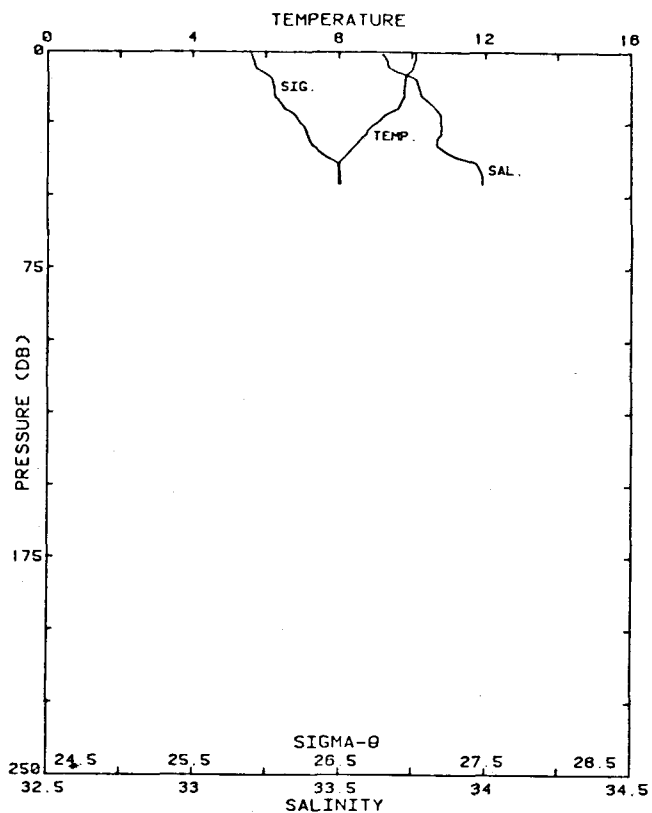
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.782	33.234	10.782	25.460	252.9	0.003
10	10.718	33.236	10.717	25.473	251.9	0.025
20	10.241	33.272	10.239	25.584	241.6	0.050
30	9.540	33.286	9.536	25.712	229.6	0.073
40	8.974	33.433	8.970	25.917	210.2	0.095
50	8.701	33.584	8.696	26.078	195.1	0.116
60	8.488	33.672	8.482	26.180	185.6	0.135
70	8.219	33.768	8.212	26.296	174.8	0.153
80	8.159	33.870	8.151	26.385	166.5	0.170
90	8.099	33.956	8.090	26.462	159.4	0.186
100	7.949	33.997	7.939	26.516	154.4	0.202
110	7.981	34.020	7.970	26.530	153.3	0.217
120	7.989	34.024	7.978	26.531	153.3	0.233
124	7.992	34.024	7.980	26.531	153.4	0.239

STA NO 140 AR-2 LAT: 38 55.8 N LONG:123 49.3 W
 13 JUL 1981 2236 GMT PROBE 2567 DEPTH 107M
 7.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.614	33.310	10.614	25.549	244.5	0.002
10	10.499	33.315	10.498	25.573	242.4	0.024
20	9.818	33.361	9.816	25.725	228.2	0.048
30	9.079	33.507	9.076	25.958	206.1	0.070
40	8.623	33.618	8.619	26.116	191.3	0.090
50	8.347	33.755	8.342	26.266	177.2	0.108
60	8.267	33.816	8.261	26.326	171.7	0.126
70	8.213	33.905	8.206	26.404	164.5	0.143
80	8.108	33.979	8.100	26.478	157.6	0.159
90	8.050	34.015	8.041	26.515	154.3	0.174
100	8.050	34.015	8.040	26.515	154.5	0.190
103	8.050	34.016	8.040	26.516	154.5	0.194



STATION 140 AR 2



STATION 141 AR 1

STA NO 141 AR-1 LAT: 33 56.9 N LONG: 123 46.1 W
 13 JUL 1981 2325 GMT PROBE 2567 DEPTH 51M
 3.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.115	33.650	10.115	25.898	211.2	0.002
10	9.791	33.764	9.790	26.042	197.8	0.021
20	9.599	33.830	9.597	26.126	190.0	0.040
30	8.632	33.838	8.629	26.207	174.9	0.058
40	7.984	33.974	7.980	26.492	155.6	0.075
46	7.976	33.990	7.972	26.506	154.4	0.084

ACKNOWLEDGMENTS

Hydrography in the Coastal Ocean Dynamics Experiment is supported by the National Science Foundation through grant OCE-8014939. Additional support for the sections off Crescent City, Half Moon Bay and Purisima Point was provided through NSF Grant OCE-8026131. One of us, Martin Olivera, was supported by a fellowship from the Organization of American States.

REFERENCES

- Bennett, A. S. 1976. Conversion of *in situ* measurements of conductivity to salinity. *Deep-Sea Research*, 23:157-165.
- Fleischbein, J., W. E. Gilbert, R. Schramm and A. Huyer. 1981. CTD observations off Oregon and California 5-17 February 1981. Oregon State University, School of Oceanography. Ref. 81-16. 122 pp.
- Fleischbein, J., W. E. Gilbert and A. Huyer. 1982. Hydrographic data from the first Coastal Ocean Dynamics Experiment: Leg 4, 25 April-7 May 1981. Oregon State University, School of Oceanography. Ref. 82-2. 149 pp.
- Fleischbein, J., A. Huyer and R. Schramm. 1981. Status Report on OSU Autosol #1 (S/N 39821) on 2 September 1981. Unpublished report. Oregon State University.
- Gilbert, W. E., J. Fleischbein, A. Huyer and R. Schramm. 1982. Hydrographic data from the first Coastal Ocean Dynamics Experiment: R/V Wecoma, Leg 5, 16-29 May 1981. Oregon State University, School of Oceanography. Ref. 82-5. 178 pp.
- Gilbert, W. E., A. Huyer and R. Schramm. 1981. Hydrographic data from the first Coastal Ocean Dynamics Experiment: R/V Wecoma, Leg 2, 10-14 April 1981. Oregon State University, School of Oceanography. Ref. 81-12. 34 pp.
- Reid, J. L. and A. W. Mantyla. 1976. The effect of geostrophic flow upon coastal sea elevations in the northern North Pacific Ocean. *J. Geophys. Res.* 81(18):3100-3110.

