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**Hydrographic Data from the First
Coastal Ocean Dynamics
Experiment: R/V Wecoma, Leg 5,
16-29 May 1981**

by
William E. Gilbert
Jane Fleischbein
Adriana Huyer
Richard Schramm

Data Report 93
Reference 82-5
May 1982

Code Technical Report No. 6

National Science Foundation
OCE-8014839 and OCE-8026131

School of Oceanography
Oregon State University
Corvallis, OR 97331

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ABSTRACT

CTD observations were made in the Code region near Pt. Arena on the northern California coast at 39°N, off Five Mile Point at 43°13'N, off Crescent City at 41°54'N, and off Half Moon Bay at 37° 25'N, during 17-29 May 1981. The observations in the Code region included six repeated sections along the Central Line, a mesoscale survey of the shelf slope region, an alongshore section, and two anchor stations. The maximum sampling depth was 1000 m. This data report contains vertical sections, mesoscale maps and offshore profiles to summarize the data, and vertical profile plots and listings of the data at standard depths for each of the 206 CTD stations.

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INTRODUCTION

The Coastal Ocean Dynamics Experiment seeks to describe the response of continental shelf waters to a time-varying wind stress. The site of the experiment is between Pt. Arena and Pt. Reyes on the northern California coast. The main purpose of the R/V *Wecoma* cruise CODE-1 Leg 5 was to make CTD observations at rather small time and space scales in the CODE region. A secondary purpose was to measure the near-surface flow field by using a doppler acoustic log and by deploying surface drifters that would be tracked from the coast or from the air. Another purpose was to make some CTD observations at distant locations to obtain information over large alongshore scales. Only the CTD data are included in this report.

The ship departed from Newport on 16 May 1981 and completed a section along 43°13'N off Five Mile Point on 17 May, and another along 41°54'N off Crescent City early on 18 May (Figure 1, Table 1). An extended section along the Code Central Line (Figure 1) was occupied on 18-19 May, during relatively weak winds (Table 1). We began a mesoscale survey early on 20 May, with a section along the Elk Line. During this section, we inadvertently put the CTD probe on the bottom at Station 37; the uptrace from this trace showed an offset in salinity which suggested we had damaged the conductivity sensor of CTD probe #2567. After washing the cell, we made a recast (Station 38) but the offset persisted; we therefore switched to the back-up CTD probe, #2561, without further delay. We continued the mesoscale survey with sections along the Arena, North, Central and Ross Lines (Figure 2), completing the survey early on 22 May.

A section off Half Moon Bay (Figure 1) was completed on 22 May and the Code Central Line was repeated on 23 May, still using CTD probe #2561. On

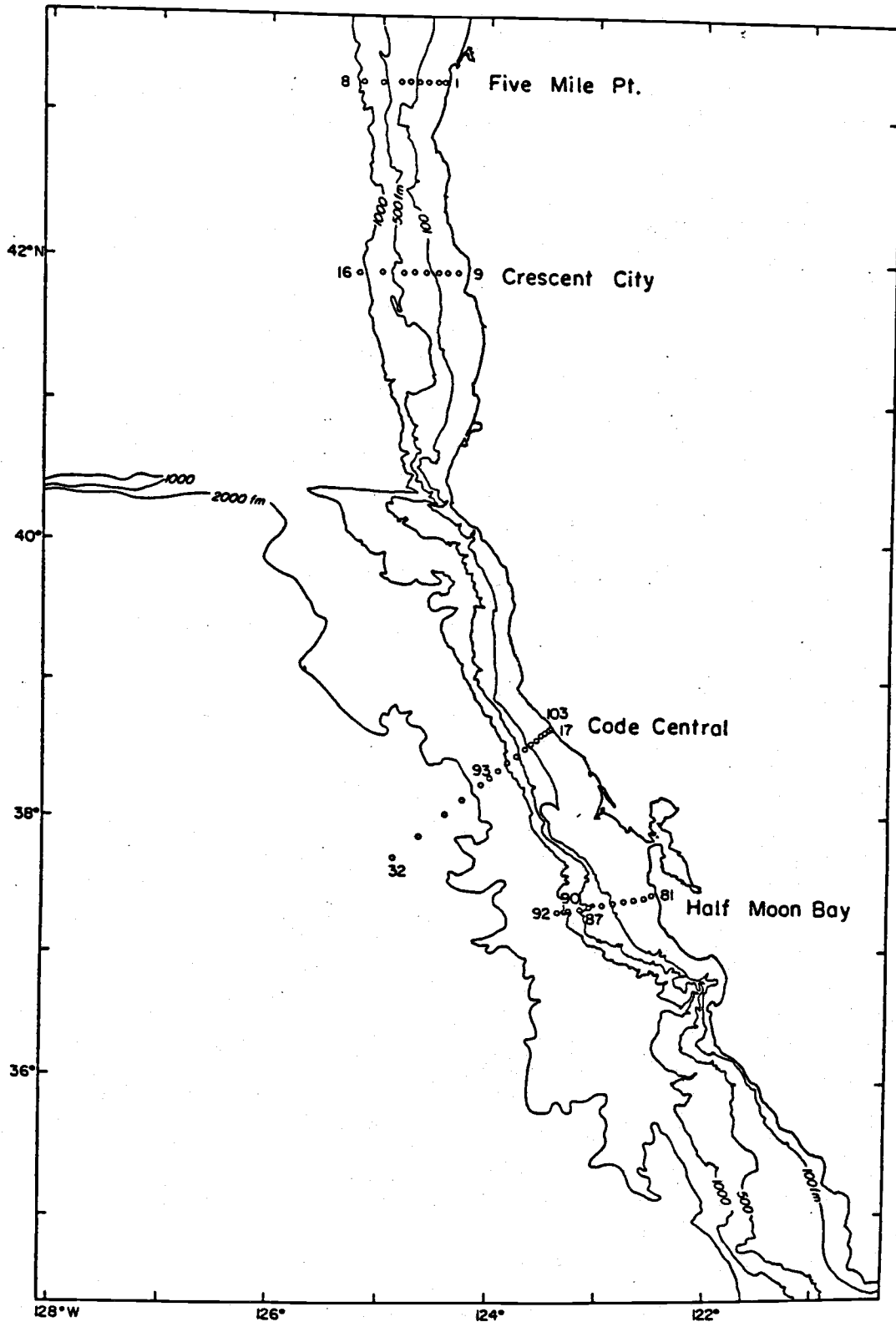


Figure 1. Location of stations off Five Mile Point, off Crescent City and along the Code Central Line, 17-19 May 1981; and off Half Moon Bay and along the Code Central Line, 22-23 May 1981.

Table 1. List of CTD stations occupied during Code-1, Leg 5, showing date and time, location, atmospheric pressure, wind speed and direction, and dry and wet air temperature. CTD probe #2567 was used for Stations 1-37 and 105-206; probe #2561 was used for Stations 39-104.

		Station		Location		Wind		Pressure	Air Temp. (°C)		
		No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd (kts)	(mb)	Dry	Wet	
May	17	0122Z	1	FM1	43°13.1	124°25.9		calm	1018.5	11.8	9.2
		0209	2	FM3	12.9	29.5		Airs	1018.5	11.7	10.0
		0301	3	FM4	13.0	35.0		Airs	1017.4		
		0342	4	FM5	13.0	40.0		Airs	1017.3	12.4	10.0
		0429	5	FM6	13.0	45.0		Airs	1017.2	11.9	9.2
		0521	6	FM7	13.0	124°50.0		Airs	1017.0		
		0626	7	FM8	13.0	125°00.0	190	12	1016.0	10.7	9.1
		0801	8	FM9	43°13.1	125°10.1	180	17	1015.3	11.9	10.2
		1647	9	CR-1	41°54.0	124°18.0	160	12	1015.4	10.3	10.1
		1736	10	CR-2	54.0	23.9	165	15	1015.1	10.5	10.1
		1821	11	CR-3	54.0	29.0	160	15	1015.1	10.4	10.2
		1913	12	CR-4	54.0	36.3	160	13	1015.0	10.2	10.0
		2017	13	CR-5	53.9	42.0	170	16	1014.9	11.1	10.9
		2125	14	CR-6	54.0	124°48.1	170	17	1013.9	12.0	11.7
		2307	15	CR-7	53.8	125°00.0	185	20	1013.2	12.5	12.3
May	18	0103	16	CR-8	41°54.2	125°12.1	180	14	1012.0	12.9	12.7
		2108	17	COC-1	38°39.8	123°25.5		Airs	1013.5	12.9	11.8
		2139	18	COC-2	39.0	26.9		Airs	1013.3	12.9	11.8
		2209	19	COC-3	37.5	28.8	260	8	1013.3	13.6	12.5
		2237	20	COC-4	36.2	30.5	260	8	1013.3	13.7	12.5
		2317	21	COC-5	34.6	33.3	270	10	1013.5	13.1	12.0
May	19	0002	22	COC-6	32.7	36.7	270	8	1013.7	13.2	12.1
		0110	23	COC-7	30.3	39.6	260	8	1013.1	13.4	12.2
		0211	24	COC-8	27.1	44.5		Airs	1013.0	13.0	12.1
		0320	25	COC-9	24.0	49.2	280	5	1012.5	13.0	11.4
		0436	26	COC-10	20.8	54.5	280	8	1012.5	12.7	11.7
		0554	27	COC-11	17.6	123°59.3	275	8	1013.0	12.5	11.6
		0710	28	COC-12	14.1	124°04.4	280	8	1012.9	12.8	11.7
		0905	29	COC-13	07.8	14.1	Var	2-4	1012.6	13.0	11.6
		1113	30	COC-14	38°01.4	23.8	295	8	1012.5	12.4	11.2
		1326	31	COC-15	37°51.8	38.4	Var	4-6	1012.0	12.4	10.6
1540	32	COC-16	37°42.0	53.0	315	5	1012.3	12.4	10.5		
May	20	0106	33	ELK-9	39°07.4	17.7	345	14	1012.0	12.2	11.8
		0216	34	ELK-8	07.1	15.2	345	14	1012.0	12.8	10.8
		0337	35	ELK-7	07.0	08.7	350	16	1012.1	12.4	10.9
		0510	36	ELK-6	07.0	124°02.4	345	20	1012.2	12.1	10.6
		0606	37	ELK-5	07.5	123°58.5	345	16	1012.2	11.7	10.6
		0737	39	ELK-4	39°07.0	55.0	350	12	1012.5	11.4	10.4
		0818	40	ELK-3	38°07.1	51.7	350	8	1012.4	11.2	10.4
		0856	41	ELK-2	39°07.1	48.1	350	8	1012.2	10.9	10.0
		0932	42	ELK-1	07.0	44.6	350	8	1012.2	10.5	9.6

Table 1. Continued.

		Station		Location		Wind		Pressure	Air Temp. (°C)			
		No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd (kts)	(mb)	Dry	Wet		
May	20	1106	43 AR-1	38°56.9	123°46.1	000	15	1013.0	11.1	10.2		
		1213	44 AR-2	55.8	49.3	000	15	1013.2	11.3	10.4		
		1303	45 AR-3	54.8	52.5	345	22	1013.5	12.5	10.4		
		1358	46 AR-4	54.0	55.9	345	20	1013.8	12.2	11.8		
		1456	47 AR-5	53.1	123°59.0	340	24	1014.1	12.5	11.0		
		1558	48 AR-6	52.1	124°02.4	345	20	1014.5	12.5	11.0		
		1714	49 AR-7	50.2	08.1	330	20	1016.0	12.0	10.8		
		1840	50 AR-8	48.3	14.1	340	18	1016.1	12.3	10.9		
		2113	51 NOR-9	31.5	08.0	320	20	1016.8	12.9	11.6		
		2231	52 NOR-8	34.7	124°03.1	320	18	1016.2	12.6	11.5		
		2356	53 NOR-7	37.9	123°58.2	320	18	1016.8	12.3	11.6		
		May	21	0116	54 NOR-6	40.9	53.2	330	18	1016.2	12.4	11.4
				0230	55 NOR-5	42.8	50.6	335	16	1016.2	12.2	11.2
				0321	56 NOR-4	44.6	48.0	350	15	1016.0	12.0	11.2
0418	57 NOR-3			46.5	45.0	340	14	1016.5	11.6	10.8		
0457	58 NOR-2			48.1	42.7	340	18	1016.7	11.6	10.7		
0546	59 NOR-1			49.9	40.2	330	8	1016.9	11.4	10.5		
0739	60 COC-1			39.8	25.5	340	5	1017.1	10.4	9.5		
0810	61 COC-2			38.9	27.0	330	10	1017.0	10.8	9.5		
0843	62 COC-3			37.5	28.9	320	15	1017.0	10.5	9.6		
0914	63 COC-4			36.2	30.8	330	15	1016.7	10.7	10.0		
0950	64 COC-5			34.6	33.2	320	17	1016.9	10.8	10.0		
1040	65 COC-6			32.7	36.3	320	17	1017.4	10.7	10.0		
1135	66 COC-7			30.3	39.6	340	14		11.1	10.4		
1249	67 COC-8			27.1	44.2	320	16	1018.0	12.5	10.6		
1406	68 COC-9			24.1	49.3	330	22	1018.9	12.8	11.5		
1519	69 COC-10			20.8	54.5	325	18	1019.5	13.8	11.5		
1630	70 COC-11			17.7	59.2	320	18	1020.2	12.1	11.3		
1849	71 ROS-10			06.8	45.2	320	16	1020.5	13.0	11.4		
2007	72 ROS-9			10.0	40.6	320	18	1020.2	12.5	11.2		
2123	73 ROS-8			13.2	35.6	300	17	1020.0	12.3	11.0		
2241	74 ROS-7	16.4	31.0	310	18	1019.3	11.7	10.5				
2342	75 ROS-6	20.0	26.5	320	20	1019.0	12.6	10.2				
May	22	0041	76 ROS-5	21.3	23.3	320	22	1018.5	11.7	10.3		
		0126	77 ROS-4	23.1	20.7	320	22	1019.0	11.2	10.0		
		0220	78 ROS-3	24.8	18.0	320	25	1017.0	11.0	9.3		
		0305	79 ROS-2	26.6	15.4	320	24	1017.1	10.4	9.3		
		0342	80 ROS-1	38°28.3	123°12.8	310	24	1017.0	10.4	9.3		
		1241	81 HM-1	37°25.0	122°29.1		calm	1018.0	11.4	10.4		
		1334	82 HM-2	23.6	33.1		calm	1018.0	11.5	10.4		
		1434	83 HM-3	23.0	39.0	340	8	1018.0	12.2	11.4		
		1537	84 HM-4	22.2	44.9	330	12	1018.0	12.2	11.1		
		1629	85 HM-5	21.4	50.7	340	16	1018.5	12.2	11.1		
		1718	86 HM-6	20.6	122°56.9	320	18	1018.3	12.1	11.0		
		1821	87 HM-7	19.7	123°03.1	330	18	1018.2	12.3	11.5		

Table 1. Continued.

			Station		Location		Wind		Pressure	Air Temp. (°C)			
			No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd (kts)	(mb)	Dry	Wet		
May	22	2000	90	HM-8	37°18.8	123°09.2	320	20	1018.2	12.5	11.5		
		2121	91	HM-9	18.0	15.4	320	20	1018.1	13.0	11.8		
		2244	92	HM-10	37°17.2	21.5	320	20	1017.3	12.8	11.9		
May	23	0659	93	COC-11	38°17.7	59.0	320	18	1017.4	12.7	11.8		
		0819	94	COC-10	20.9	54.7	320	18	1016.6	12.8	12.0		
		0948	95	COC-9	24.1	49.2	330	18	1016.3	12.6	12.0		
		1129	96	COC-8	27.1	44.5	330	18	1016.0	12.2	11.8		
		1254	97	COC-7	30.3	39.6	320	18	1016.0	11.7	10.6		
		1346	98	COC-6	33.0	36.5	330	20		11.4	10.6		
		1435	99	COC-5	34.8	33.6	330	18	1016.0	12.0	11.1		
		1511	100	COC-4	36.2	30.8	330	22	1015.4	12.2	11.1		
		1541	101	COC-3	37.5	28.9	320	20	1015.3	12.1	11.0		
		1611	102	COC-2	38.8	26.9	315	22	1015.3	11.6	10.7		
		1644	103	COC-1	39.8	25.5	325	16	1015.6	11.7	10.8		
*May	24	0300	104	COC-10	20.8	54.5	320	12	1015.1	12.8	12.7		
		0416	105	COC-10	20.8	54.5							
		1058	106	AR-1	56.7	46.1	340	10	1015.0	12.3	11.8		
		1152	107	AR-2	55.8	49.3	330	10	1015.0	12.4	12.3		
		1235	108	AR-3	54.9	52.6	350	6	1015.0	12.9	12.7		
		1323	109	AR-4	53.9	123°55.8	360	6	1015.2	13.2	12.9		
		1410	110	AR-5	53.4	124°01.0		Airs	1015.5	12.8	12.5		
		1501	111	AR-6	52.0	02.3	315	8	1015.0	13.0	12.8		
		1624	112	AR-7	50.2	08.1	300	8	1015.1	13.9	13.7		
		1744	113	AR-8	48.3	14.1	310	8	1015.1	13.7	13.5		
		1904	114	AR-9	38°46.6	124°20.1	310	8	1015.6	13.5	13.2		
		2241	116	HUN-1	39°07.1	123°57.0		Airs	1015.6	13.8	13.5		
		May	25	0003	117	HUN-2	39°02.0	56.4		Airs	1015.6	13.4	13.1
				0055	118	HUN-3	38°58.0	56.2	VAR	5	1014.0	13.7	13.2
0144	119			HUN-4	53.9	55.0		Airs	1014.0	13.2	12.8		
0243	120			HUN-5	49.2	52.0	300	14		13.4	12.9		
0335	121			HUN-6	44.6	47.9	315	12	1014.1	13.5	13.0		
0420	122			HUN-7	40.8	43.7	315	10	1014.2	13.9	13.2		
0528	123			HUN-8	36.5	40.3	300	12	1014.9	13.6	13.0		
0625	124			HUN-9	31.5	36.6	325	10	1014.9	12.8	12.2		
0723	125			HUN-10	28.2	33.9	340	15	1014.0	12.8	12.1		
0854	126			HUN-11	23.8	30.9	320	12	1014.0	12.9	12.0		
1001	127			HUN-12	18.0	27.4	290	10	1013.9	12.9	12.0		
1302	128			COC-1	39.8	25.5		Calm	1014.0	11.2	11.4		
1338	129			COC-2	38.8	26.9		Calm	1014.2	11.5	10.2		
1420	130			COC-3	37.5	28.9	310	12	1014.5	10.7	10.4		
1455	131			COC-4	36.2	30.8	320	10	1014.3				
1531	132			COC-5	34.6	33.3	320	6	1014.6	12.4	12.0		
1613	133	COC-6	32.7	36.2	320	10	1014.9	12.3	11.9				
1659	134	COC-7	30.3	39.6	320	12	1015.0	13.1	12.6				
1800	135	COC-8	27.1	44.5	340	12	1015.1	13.0	12.3				
1912	136	COC-9	24.0	49.2	340	12	1015.5	13.2	12.4				

Table 1. Continued.

		Station		Location		Wind		Pressure	Air Temp. (°C)		
		No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd (kts)	(mb)	Dry	Wet	
May	25	2029	137	COC-10	38°20.8	123°54.5	330	14	1015.4	13.7	12.5
		2148	138	COC-11	17.5	59.5	330	12	1015.3	13.7	12.6
May	26	0100	139	HN-9	31.5	38.0	320	14	1015.0	12.5	11.4
		0200	140	HN-9	31.5	38.0	320	15	1014.5	12.8	11.6
		0300	141	HN-9	31.5	38.0	315	17	1014.1	12.7	11.5
		0400	142	HN-9	31.5	38.0	330	17	1014.0	12.3	11.2
		0430	143	HN-9	31.5	38.0	330	18	1014.1		
		0500	144	HN-9	31.5	38.0	330	18	1014.2	12.0	11.0
		0600	145	HN-9	31.5	38.0	320	14	1014.4	12.1	11.2
		0700	146	HN-9	31.5	38.0	320	13	1014.1	12.1	11.2
		0759	147	HN-9	31.5	38.0	310	10	1014.1	12.5	11.3
		0859	148	HN-9	31.5	38.0	310	12	1014.0	12.0	11.1
		0959	149	HN-9	31.5	38.0	310	12	1013.5	12.0	11.1
		1100	150	HN-9	31.6	38.0	320	11	1013.5	11.8	11.1
		1200	151	HN-9	31.5	38.0	330	14	1013.0	11.4	10.7
		1300	152	HN-9	31.5	38.0	320	12	1013.0	11.9	11.0
		1400	153	HN-9	31.5	38.0	330	10	1013.0	11.7	11.0
		1500	154	HN-9	31.5	38.0	345	8	1012.9	12.0	11.1
		1600	155	HN-9	31.5	38.0	330	6	1013.0	11.9	11.1
		1700	156	HN-9	31.5	38.0	330	8	1013.1	12.5	11.7
		1800	157	HN-9	31.5	38.0	350	7	1013.4	12.0	11.3
		1900	158	HN-9	31.5	38.0	330	7	1013.6	12.5	11.5
May	27	2000	159	HN-9	31.5	38.0	330	10	1013.5	12.9	11.8
		2058	160	HN-9	31.5	38.0	330	11	1013.4	12.9	12.0
		2158	161	HN-9	31.5	38.0	330	12	1013.2	12.8	11.9
		2300	162	HN-9	31.4	38.0	330	14	1013.0	12.9	12.0
		2359	163	HN-9	31.5	38.0	320	16	1012.8	12.8	11.8
		0100	164	HN-9	31.5	38.0	330	18	1012.9	12.7	11.7
		0200	165	HN-9	31.5	38.0	330	20	1012.5	12.4	11.4
		0336	166	COC-1	39.8	25.5	340	10	1012.0	11.2	10.4
		0406	167	COC-2	38.8	26.9	320	12	1012.2	10.8	10.1
		0436	168	COC-3	37.5	28.9	310	16	1012.8	11.1	10.3
		0508	169	COC-4	36.2	30.8	320	18	1012.8	11.2	10.5
		0544	170	COC-5	34.6	33.3	320	18	1012.9	11.3	10.7
		0647	171	COC-6	32.7	36.2	315	24	1013.0	12.0	11.1
		0730	172	COC-7	30.3	39.6	320	20	1013.6	12.1	11.3
		0831	173	COC-8	27.0	44.5	330	20	1013.6	12.1	11.3
		0959	174	COC-9	24.0	49.0	330	20	1013.8	12.0	11.1
		1133	175	COC-10	20.8	54.6	330	20	1014.0	12.0	11.3
		1500	176	COC-5	34.6	33.3	330	17	1013.8	10.9	10.3
		1600	177	COC-5	34.6	33.3	325	20	1014.1	11.1	10.5
		1620	178	COC-5	34.6	33.3	325	20	1014.0		
1640	179	COC-5	34.6	33.3	320	22	1014.1				
1700	180	COC-5	34.6	33.3	325	22	1014.1	11.1	10.4		
1800	181	COC-5	34.6	33.3	330	20	1014.1	11.4	10.5		
1900	182	COC-5	34.6	33.3	320	22	1013.8	11.5	10.6		

Table 1. Continued.

		Station		Location		Wind		Pressure	Air Temp. (°C)		
		No.	Name	Lat. (°N)	Long. (°W)	Dir. (°T)	Spd (kts)	(mb)	Dry	Wet	
May	27	2000	183	COC-5	38°34.6	123°33.3	320	22	1013.7	11.2	10.6
		2100	184	COC-5	34.6	33.3	320	24	1013.5	11.7	11.0
		2200	185	COC-5	34.6	33.3	320	26	1013.0	11.3	10.7
		2300	186	COC-5	34.6	33.5	315	28	1013.2	11.7	10.7
		2359	187	COC-5	34.6	33.3	315	28	1013.7	11.3	10.6
May	28	0100	188	COC-5	34.6	33.3	315	24	1013.5	11.5	10.6
		0200	189	COC-5	34.6	33.3	320	24	1013.0	11.4	10.5
		0300	190	COC-5	34.6	33.3	320	24	1012.4	11.1	10.5
		0400	191	COC-5	34.6	33.3	310	22	1012.4	11.1	10.5
		1306	192	COC-1	39.8	25.7		Airs	1014.0	9.1	8.8
		1330	193	COC-2	38.8	26.9		Airs	1014.0	9.2	9.0
		1416	194	COC-3	37.5	28.9		Airs	1014.3	10.1	9.5
		1450	195	COC-4	36.2	30.8		Airs	1014.1	9.8	9.2
		1530	196	COC-5	34.6	33.3	350	14	1014.2	9.8	9.4
		1610	197	COC-6	32.7	36.2	340	16	1014.8	10.8	10.4
		1710	198	COC-7	30.3	39.6	335	16	1014.9	11.3	10.9
		1820	199	COC-8	27.1	44.5	340	18	1015.1	11.8	11.3
		1958	200	COC-9	24.1	49.4	320	16	1015.8	12.2	11.5
		2125	201	COC-10	20.8	54.6	320	15	1015.5	12.8	11.9
		2247	202	COC-11	17.5	123°59.3	320	17	1015.1	12.8	12.1
May	29	0008	203	COC-12	14.3	124°04.3	320	18	1015.0	13.0	12.1
		0151	204	COC-13	07.8	14.1	330	18	1016.0	12.8	12.0
		0331	205	COC-14	38°01.3	23.9	320	20	1016.0	13.3	12.5
		0538	206	COC-15	37°51.8	38.4	320	18	1015.9	13.5	12.7

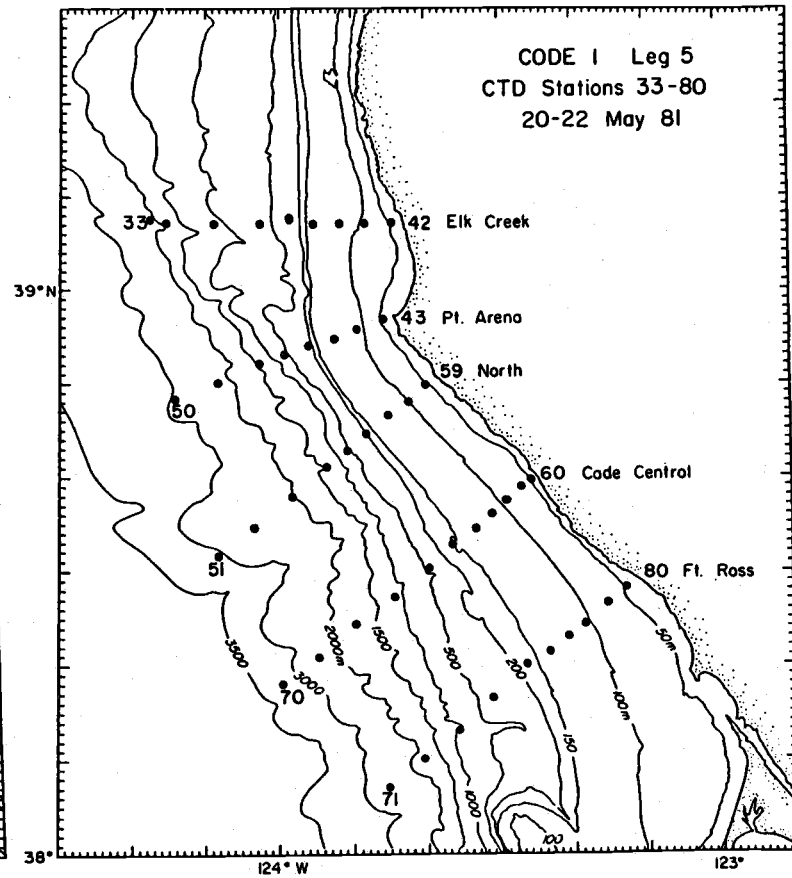
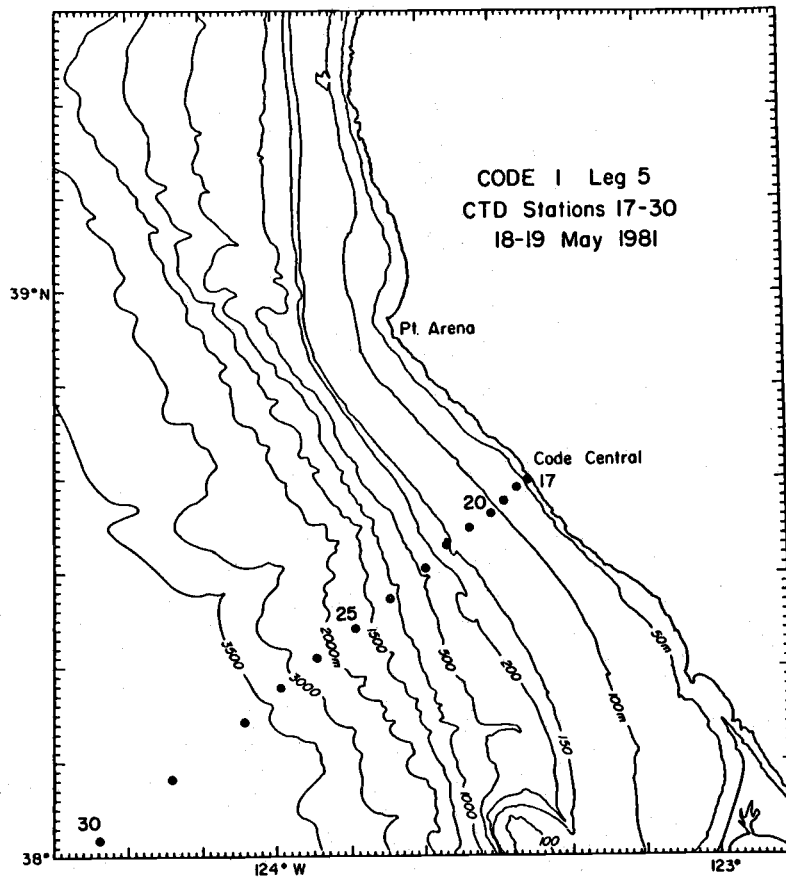


Figure 2. Location of stations in the Code region, 18-29 May 1981.

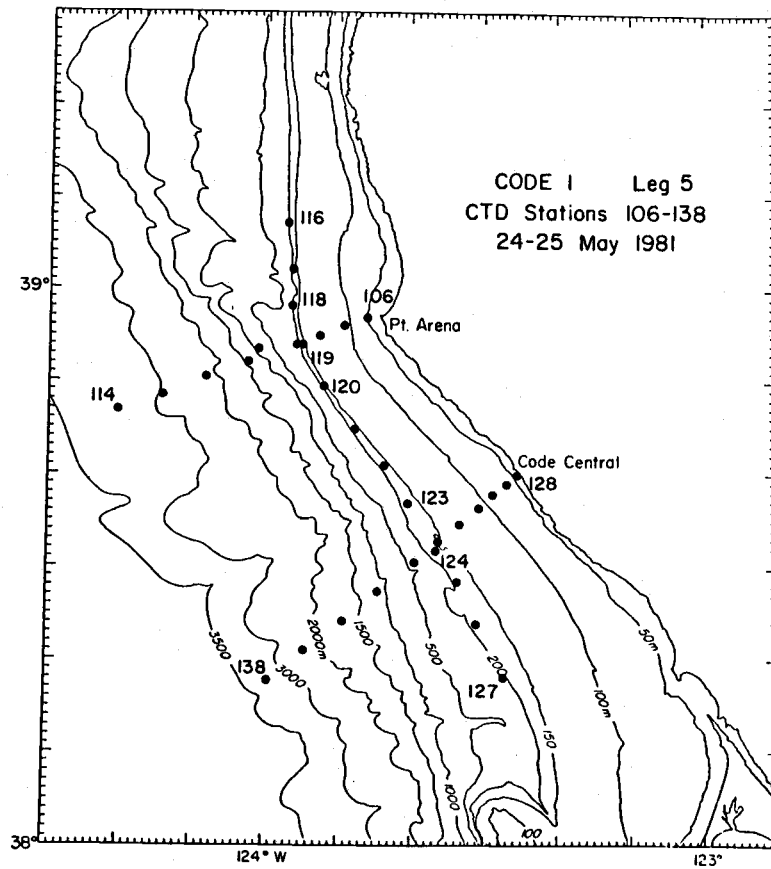
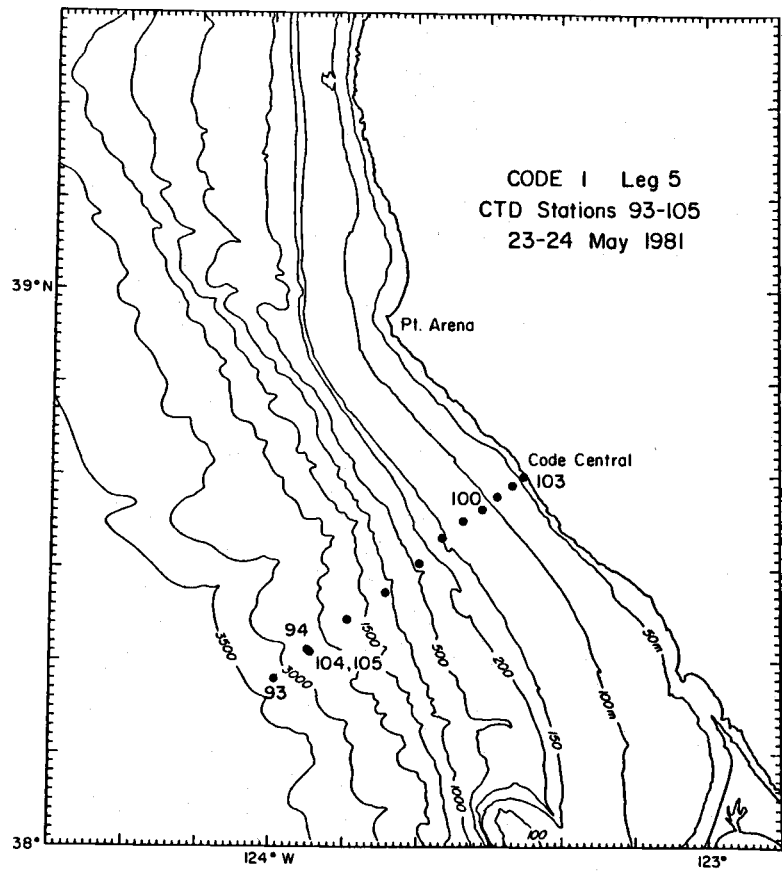


Figure 2. Continued.

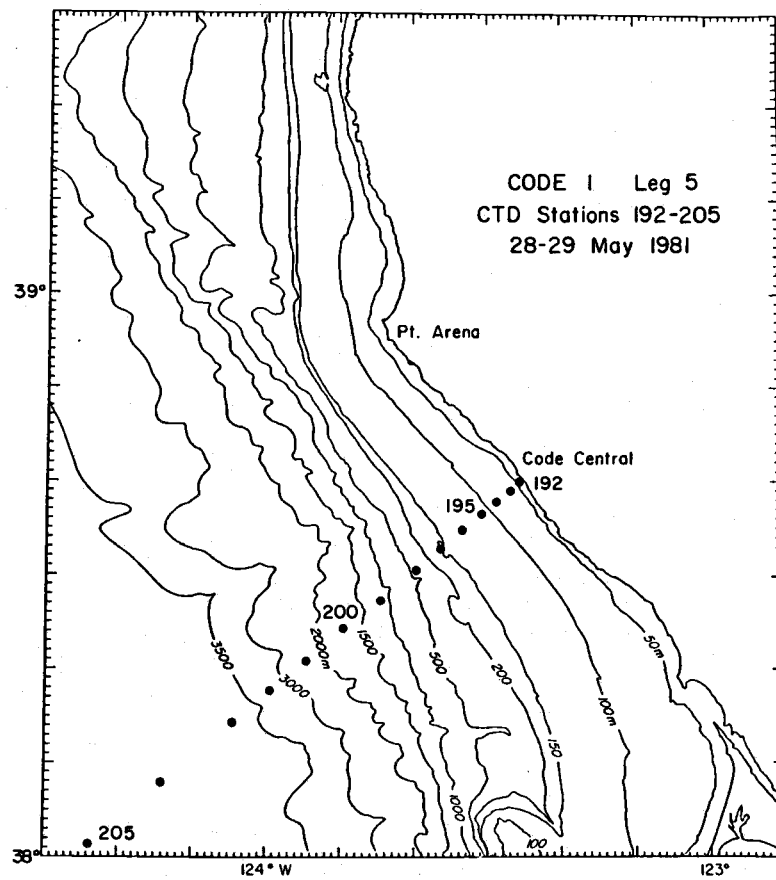
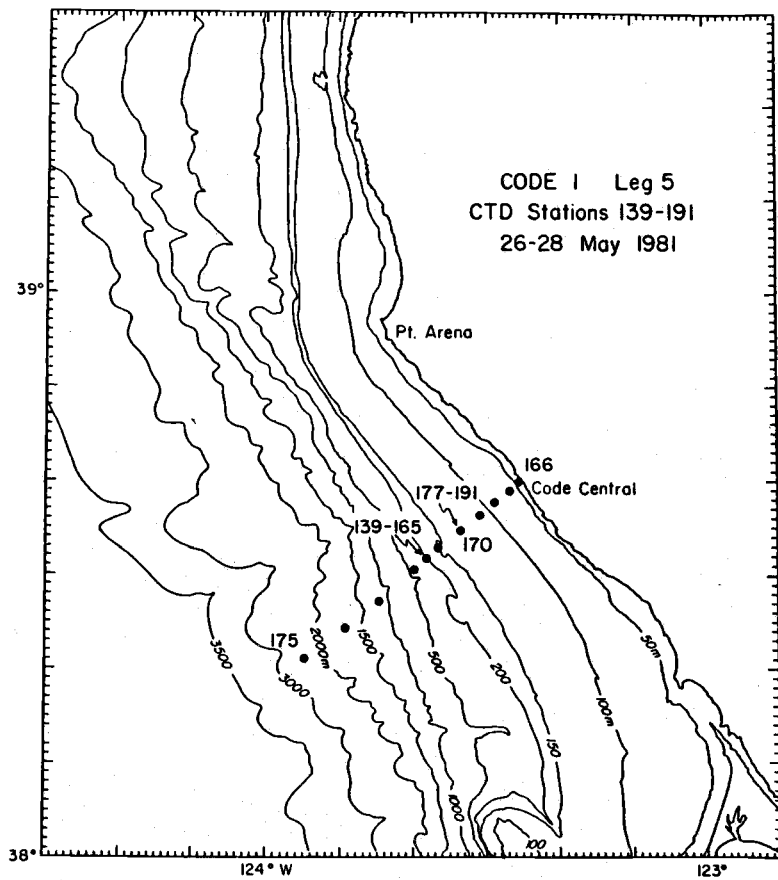


Figure 2. Continued.

24 May the conductivity cell of probe #2567 was replaced with a spare sensor. Casts were made with both probes at COC-10 (Stations 104 and 105) for intercomparison; probe #2567 was used for the remainder of the cruise. A second mesoscale survey, consisting of offshore sections along the Arena and Central Lines and an alongshore section along the hundred fathom isobath was completed on 24-25 May. Repeated stations were made at HN-9 (Figure 2), near the C-5 moored array, for 25 hours beginning early on 26 May. The Code Central Line was repeated on 27 May. Repeated stations were made for 13 hours at COC-5, near the C-3 moored array, on 27-28 May. Finally, we repeated an extended section along the Code Central Line on 29 May, and arrived at Yerba Buena Island later that day.

The wind direction was rather steady during the cruise and the wind speed generally exceeded 10 kts (Figure 3). Winds were weaker and not as steady as during the previous leg, 26 April-7 May 1981 (Fleischbein, et al., 1982). Wind directions in the Code region were generally between 310° and 350° T (Figure 4). Offshore profiles of wind speed and direction along the Code Central Line (Figure 5) show a tendency for winds to be weakest within about 10 km from the coast, with winds usually about 20 kts offshore; winds were weak everywhere during the first Central Line section on 18-19 May. Winds were generally from about 330° T, except during the weak wind period of 18-19 May when winds were almost due west.

Scientific personnel on the cruise were Adriana Huyer, Dennis Barstow, Rich Schramm, Jane Fleischbein, Henry Pittock, and Mirth Miller of Oregon State University and Michael Kosro of Scripps Institution of Oceanography.

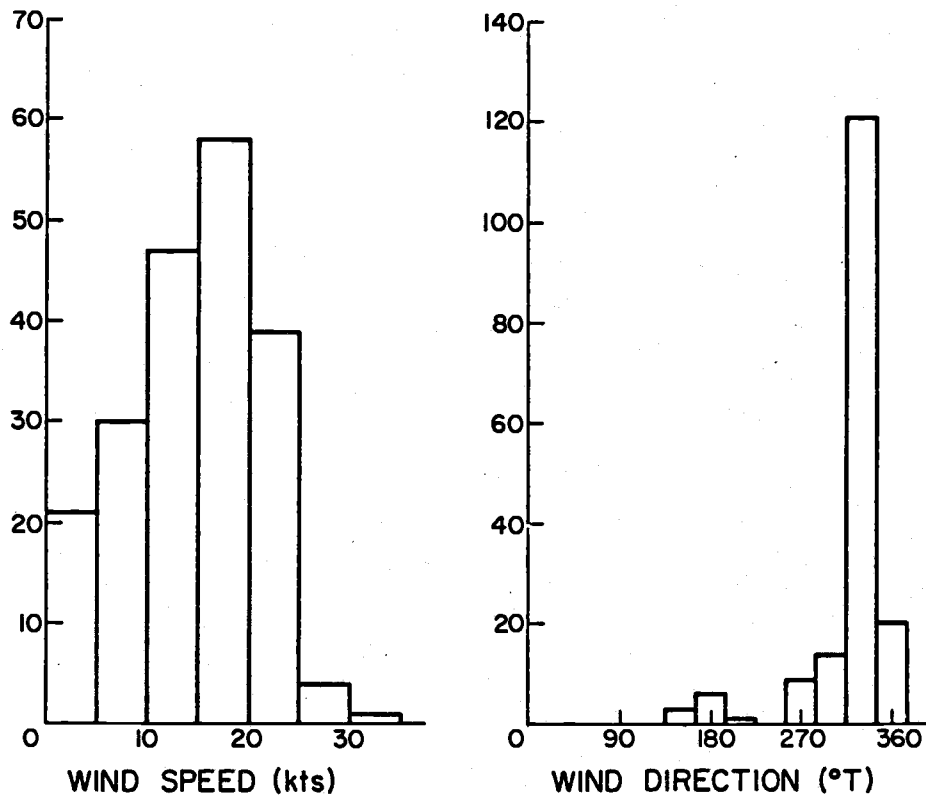


Figure 3. Histograms of wind speed and direction at each CTD station.

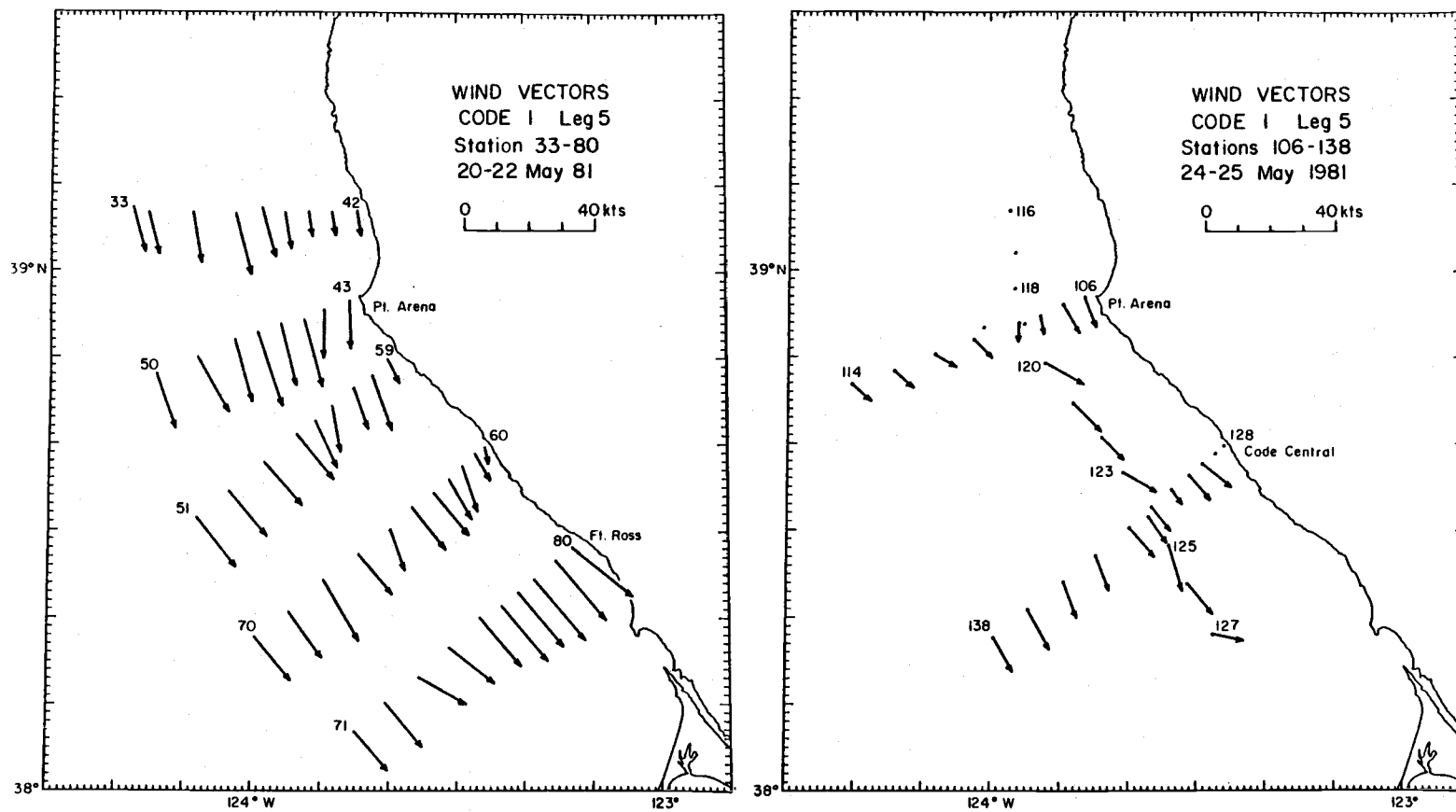


Figure 4. Wind vectors observed at CTD stations during mesoscale surveys of the Code Region, 20-22 May and 24-25 May 1981.

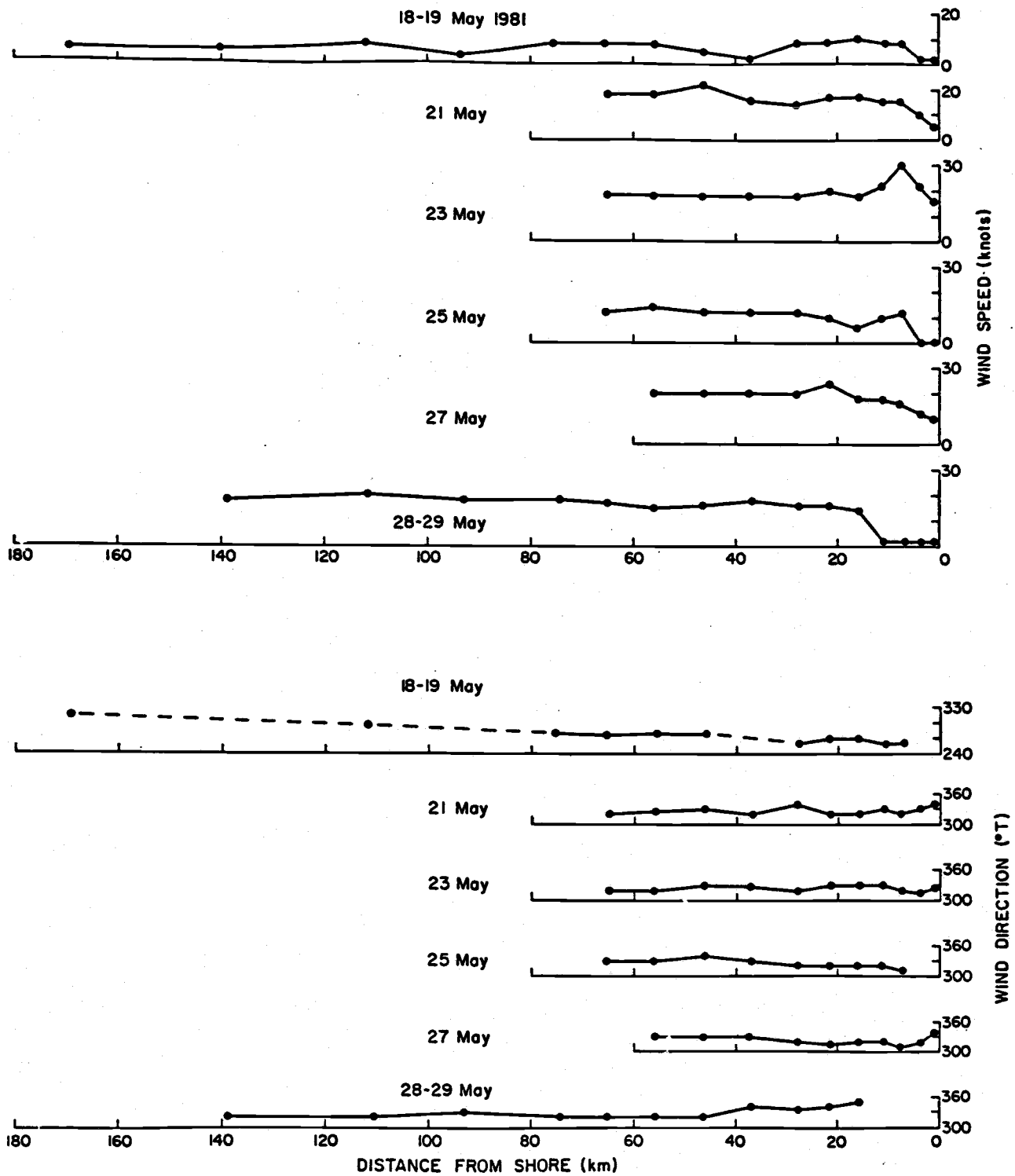


Figure 5. Wind speed and direction at CTD stations along the CODE Central Line, 18-29 May 1981.

SAMPLING PROCEDURES, CALIBRATION AND DATA PROCESSING

Two Neil Brown Instruments Mark IIIb conductivity-temperature depth probes (CTD) with different pressure sensor ratings were used to obtain continuous profiles of temperature and salinity versus pressure at each station. Sampling procedures were identical with those described by Fleischbein, Gilbert, Schramm and Huyer (1981).

Characteristics of the two probes used are presented in Table 2. The 1600 db probe (#2567) was used for stations 1-38. The CTD probe touched bottom during station 37 which resulted in an immediate shift in conductivity on the upcast. Station 38, a recast of station 37 showed the same offset so probe #2561 was used for stations 39-104. After replacing the damaged conductivity cell (#623) and conductivity board with a new conductivity cell (#625) and accompanying board in CTD probe #2567, it was then used for stations 105-206.

The CTD probes and the replacement conductivity cell and board were calibrated for pressure, temperature and conductivity by the manufacturer prior to delivery in the fall of 1980. *In situ* calibration data were also collected for temperature and conductivity sensors. A Niskin bottle equipped with 3 protected reversing thermometers was mounted about 2 m above the CTD sensors to provide calibration samples. The thermometers have an accuracy of $\pm 0.02^{\circ}\text{C}$ and are corrected using the results of calibrations done once every 2 years. Water sample salinity is determined by Guildline Model 8400 Autosal salinometers with precision of better than $\pm 0.002^{\circ}/\text{‰}$ and accuracy of $\pm 0.003^{\circ}/\text{‰}$.

Table 2. Characteristics of the two CTD probes used.

Probe	Sample Interval	Temperature Time Constant	Sensors		
			P	T	C
2561	32 ms	280 ms	Range: 6500db Resolution: 0.1db Accuracy: ± 6.5 db	-2 to 30°C .0005°C $\pm .005$ °C	1 to 65 mmhos .005 mmhos $\pm .001$ mmhos
2567	32 ms	180 ms	Range: 1600db Resolution: 0.025db Accuracy: ± 1.6 db	-3 to 32°C .0005°C $\pm .005$ °C	1 to 65 mmhos .005 mmhos $\pm .001$ mmhos

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 (Keif, 1981) immediately after the cruise since OSU's Autosol #1 was at NRCC being calibrated and OSU's Autosol #2 was under repair. The second set of samples was analyzed on Autosol #1 after its return except for 5 samples run on Autosol #2.

Autosol #1 yielded values consistently higher than the duplicates run on Autosol #2 and at NRCC (except stations 125-149: NRCC values steadily increased) so further comparisons were made using Secondary Standard Seawater from NOAA and other duplicate samples. These comparisons resulted in the conclusion that OSU's Autosol #1 was operating within specifications in the salinity range 30‰ to 40‰ (Fleischbein, Huyer, Schramm, 1981). Therefore the salinity values from OSU's Autosol #1 were used in the *in situ* calibration of the CTD for all stations except stations 91, 93, 96, 97 and 99 which were analyzed on Autosol #2 and included in the calibration. The salinity from Autosol #1 were consistently 0.003‰ higher than Autosol #2, so this offset was added to the salinity values from Autosol #2 prior to their use in calibration. Salinity samples from stations 75-86 were mistakenly bottled with non-sealing tops so these values were eliminated from the calibration comparisons.

Histograms of the calibration sample and CTD output conductivity differences are shown in Figure 6. The scatter in the conductivity differences reflects noise in Autosal #1's conductivity readings and is also partially due to the variability of conductivity during sampling at shallow depths.

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 of CTD probe #2567 after station 4 and of CTD probe #2561 after station 55 (Figure 6). Therefore the comparison of the *in situ* sample data and the CTD output for probes #2567 and #2561 was divided into sections based on the changes: stations 1-4, 5-37, 39-55 and 56-104. The cause of these apparent shifts in calibration is not evident. The conductivity differences in stations 5-37 and 105-206 had a mean of 0.000 and standard deviation of 0.003 so no further corrections were applied prior to processing the data at these stations. Station groups 1-4, 39-55 and 56-104 had mean differences in conductivity of $-0.004 \text{ mmhos cm}^{-2}$, $+0.004 \text{ mmhos cm}^{-2}$ and $+0.011 \text{ mmhos cm}^{-2}$ respectively, and the appropriate correction was applied to the CTD conductivity prior to processing the data in each group.

The procedures for data processing were described by Gilbert, Huyer and Schramm (1981). The coefficient (α) for the conductivity filter was 0.862 for CTD probe #2567 and 0.900 for CTD probe #2561. 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.

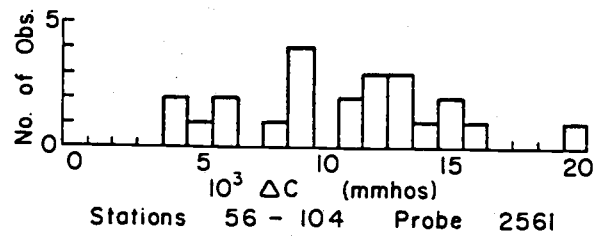
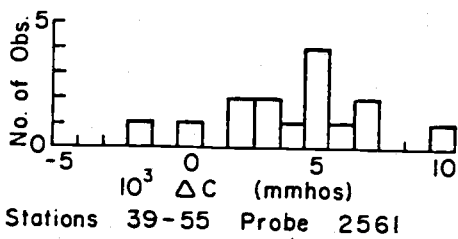
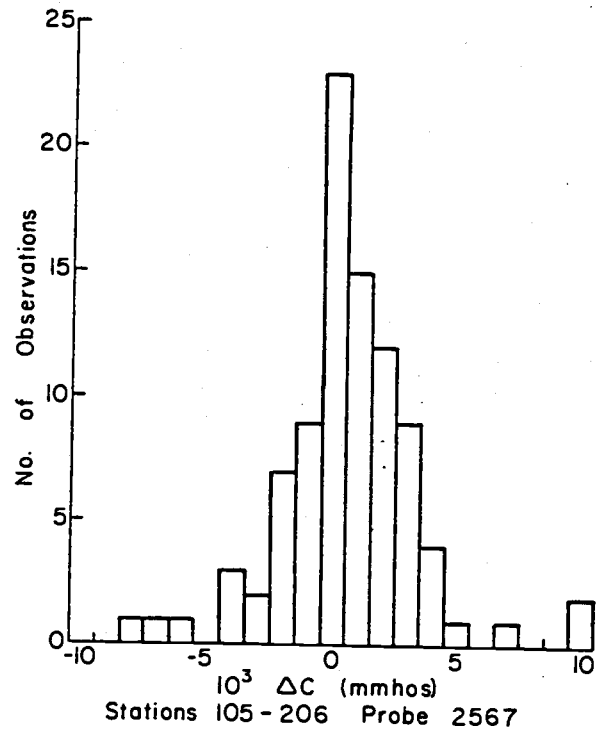
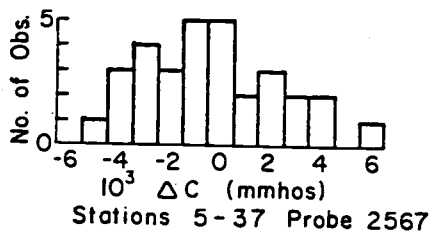


Figure 6. Histograms of the differences in conductivity between the calibration sample and the uncorrected CTD output.

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

CTD Probe No.	Sta. No.	Temperature $\Delta T(^{\circ}\text{C})$			Conductivity ΔC (mmhos cm^{-2})			Salinity			Conductivity Correction
		N	mean	s.d.	N	mean	s.d.	N	mean	s.d.	
2567	1-4	1	-0.006	-	2	-0.005	-	2	-0.006	-	-0.004
2567	5-37	30	.001	.003	31	.000	.003	31	.000	.003	0
2561	39-55	16	-.004	.012	15	.004	.003	15	.005	.003	+0.004
2561	56-104	23	.000	.007	23	.011	.004	23	.012	.005	+0.011
2567	105-206	91	-.001	.008	92	.001	.003	93	.000	.003	0

(with new
cond. cell
#625)

Table 4. Stations edited during data processing.

Station No.	Station Name	Depth of Jump in Conductivity	Remedy (using processed data)
12	CR-4	124-127db.	Linear interpolation of salinity 124-127db.
13	CR-5	283-285db.	Linear interpolation of salinity 283-285db.
14	CR-6	490-491db.	Linear interpolation of salinity 490-491db.
15	CR-7	Downward jump in conductivity and upward jump in temperature 13-15db.	Linear interpolation of salinity and temperature at 13-15db.
35	E1k-7	1-2db.	Dropped 1-2db values in data file.
68	COC-9	17-31db, 227db	Linear interpolation of salinity 17-31db, 227db.
87	HM-7	19-35db	Linear interpolation of salinity 19-35db.
94	COC-10	51-73db	Linear interpolation of salinity 51-73db.
105	COC-10	365db	Linear interpolation of salinity 365db.
108	AR-3	121db	Linear interpolation of salinity 121 db.
111	AR-6	~ 220-240db	Cast stopped at 248db, raised to 200db and resumed sampling; joined processed data files at 219-220db with a one minute delay.
135	COC-8	529db	Linear interpolation of salinity 529db.
136	COC-9	60-62db, 889-892db	Linear interpolation of salinity 60-62db, 889-892db.
153	HUN-9	71-143db	Added 0.038‰ to salinity data between 71-143db.
174	COC-9	519-528db	Linear interpolation of salinity 519-528db.
186	COC-5	82-83db	Linear interpolation of salinity 82-83db.

DATA PRESENTATION

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

For the mesoscale surveys, we also 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. 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. Stations 38, 88, 89 and 115 were either recasts or aborted and were eliminated from the data presentation. 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.

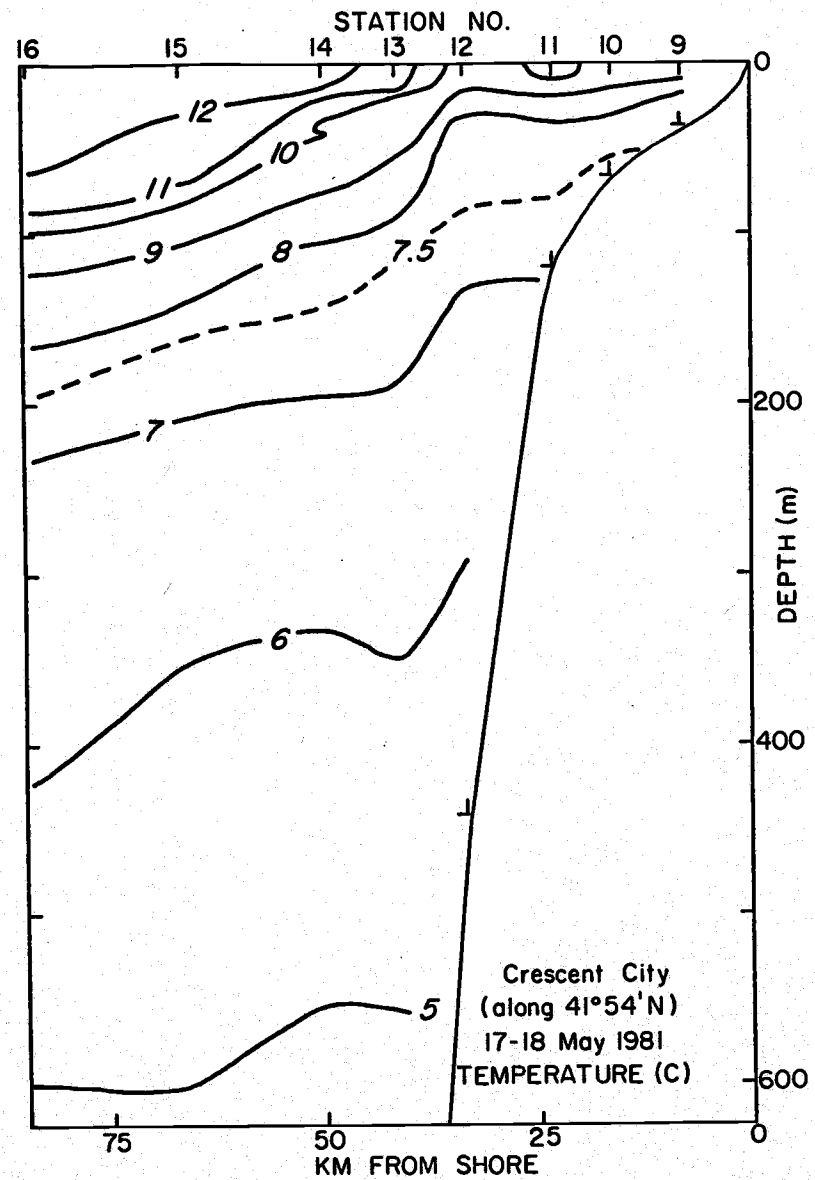
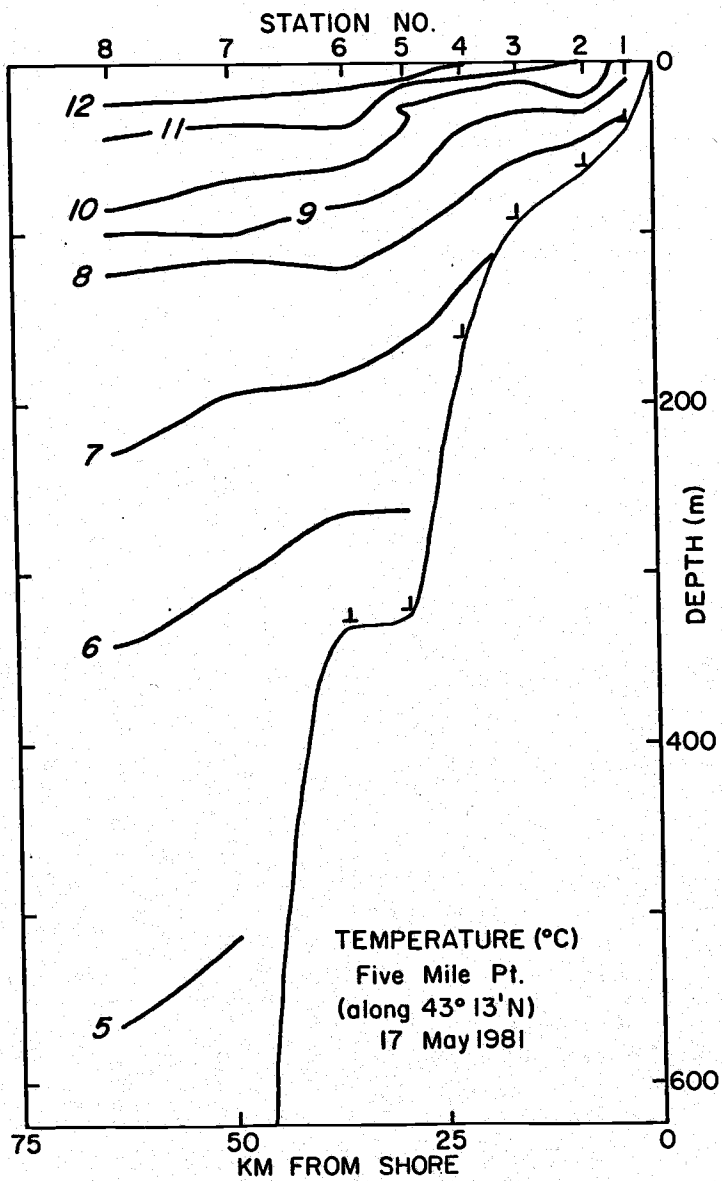
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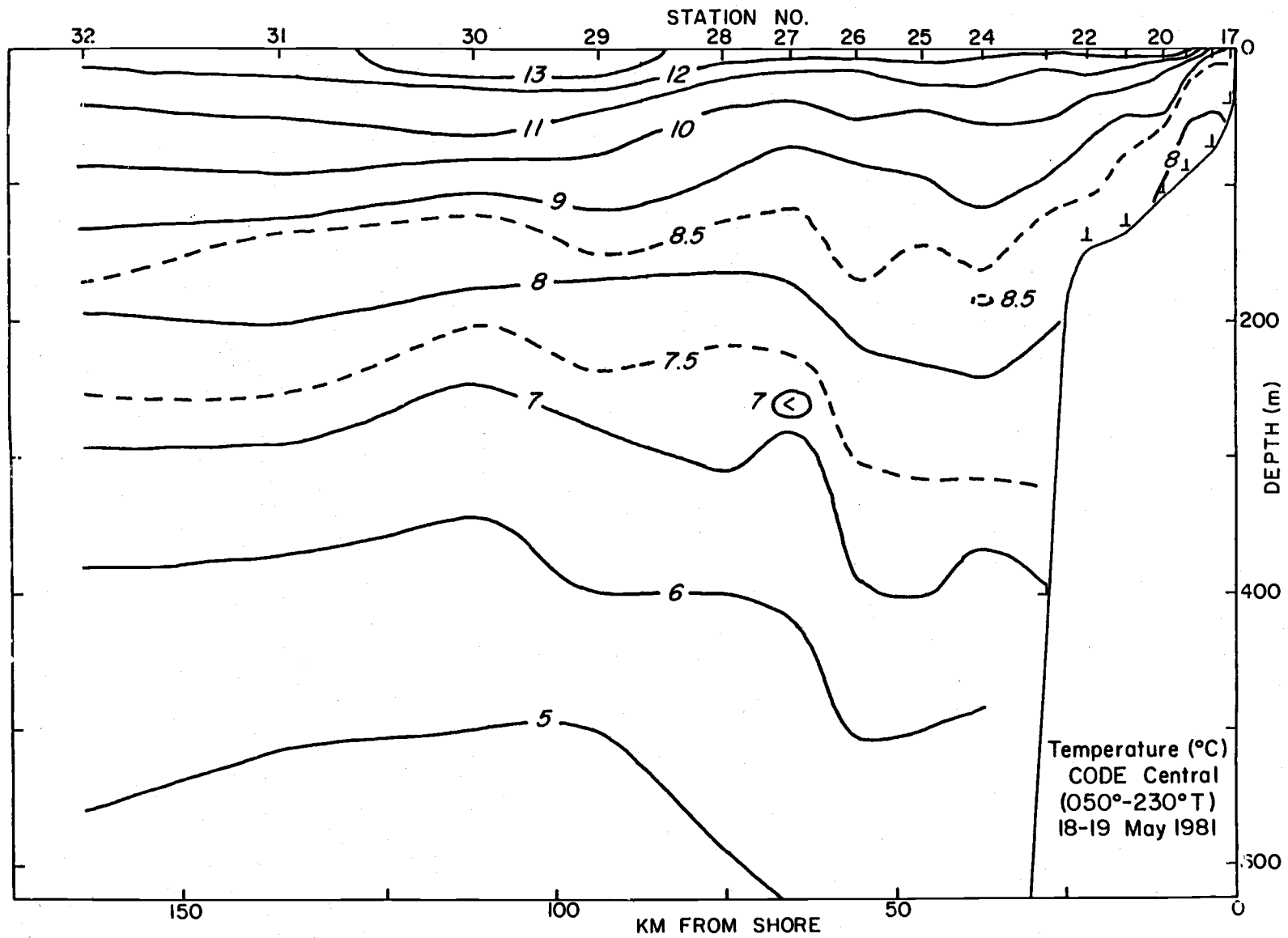
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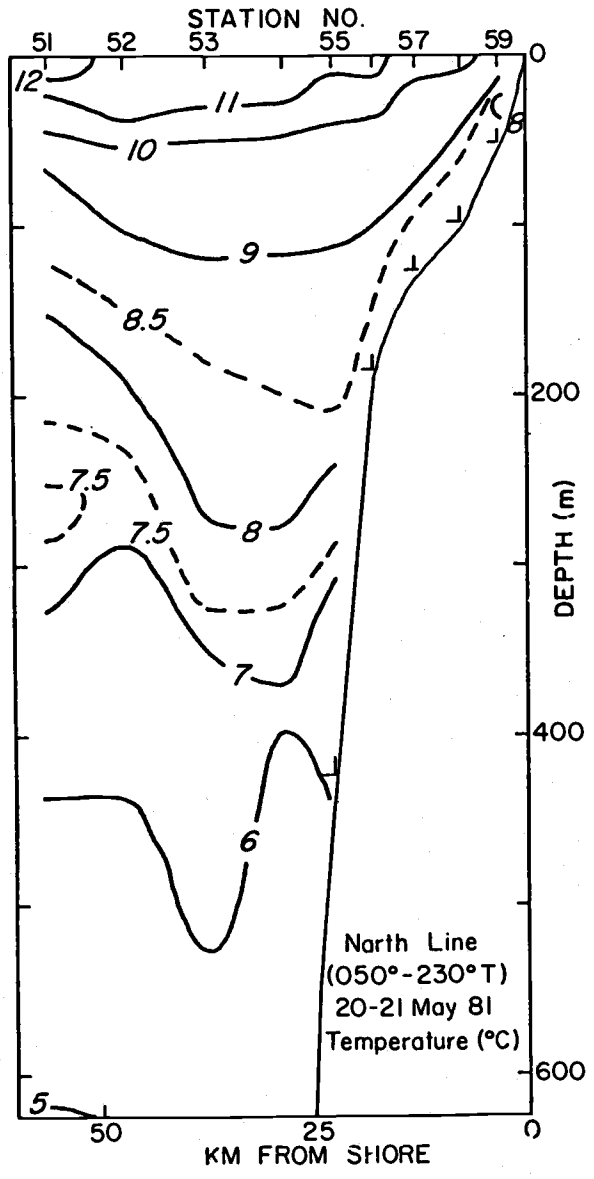
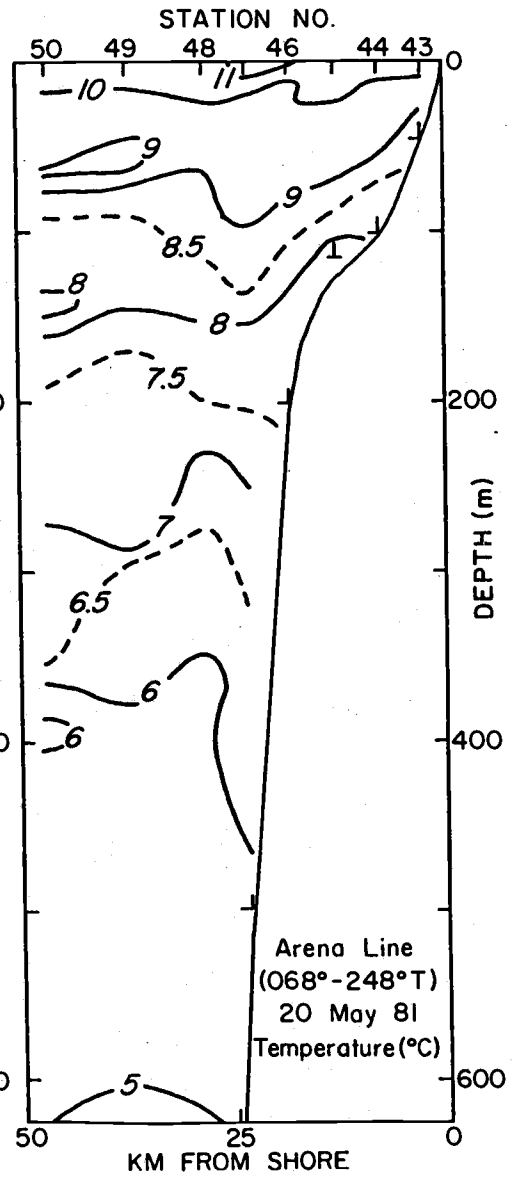
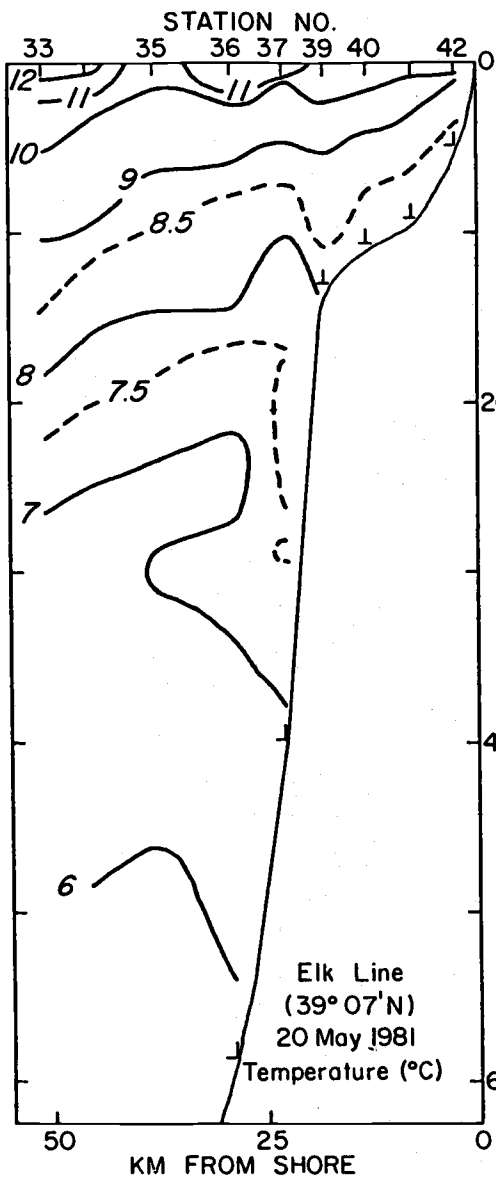
DEPTH Sonic depth in meters, corrected according to Matthews Tables appearing in the Handbook of Oceanographic Tables, U.S. Naval Oceanographic Office Publication SP-68 (1966).

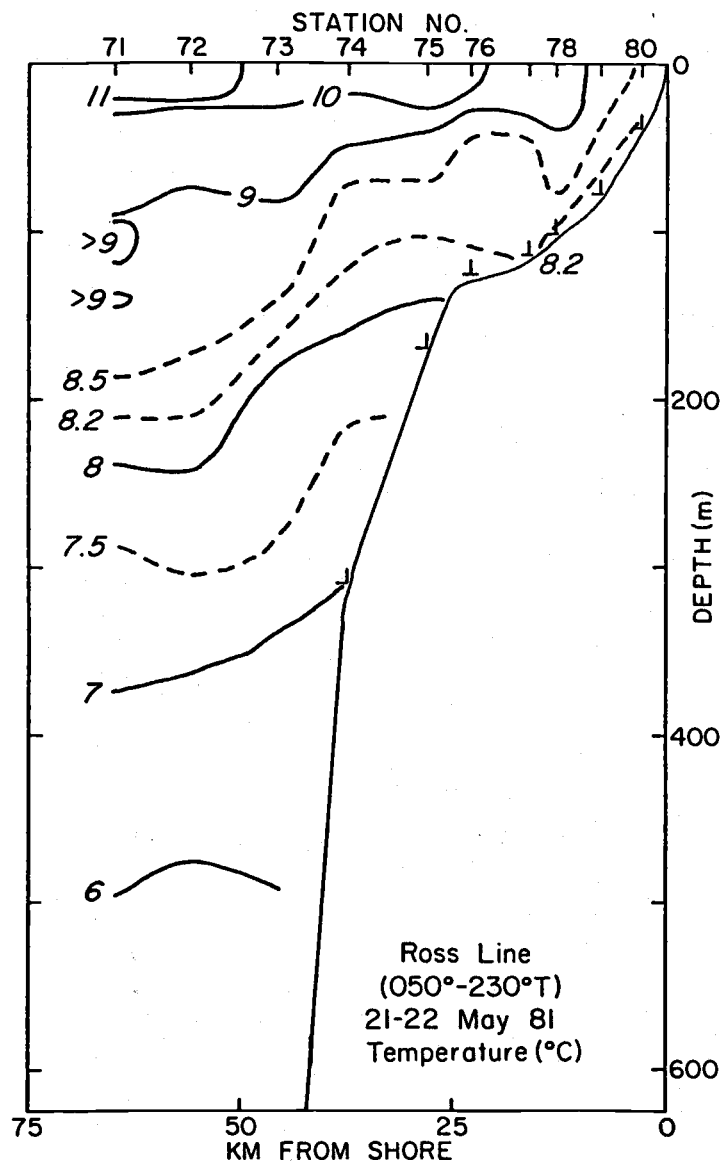
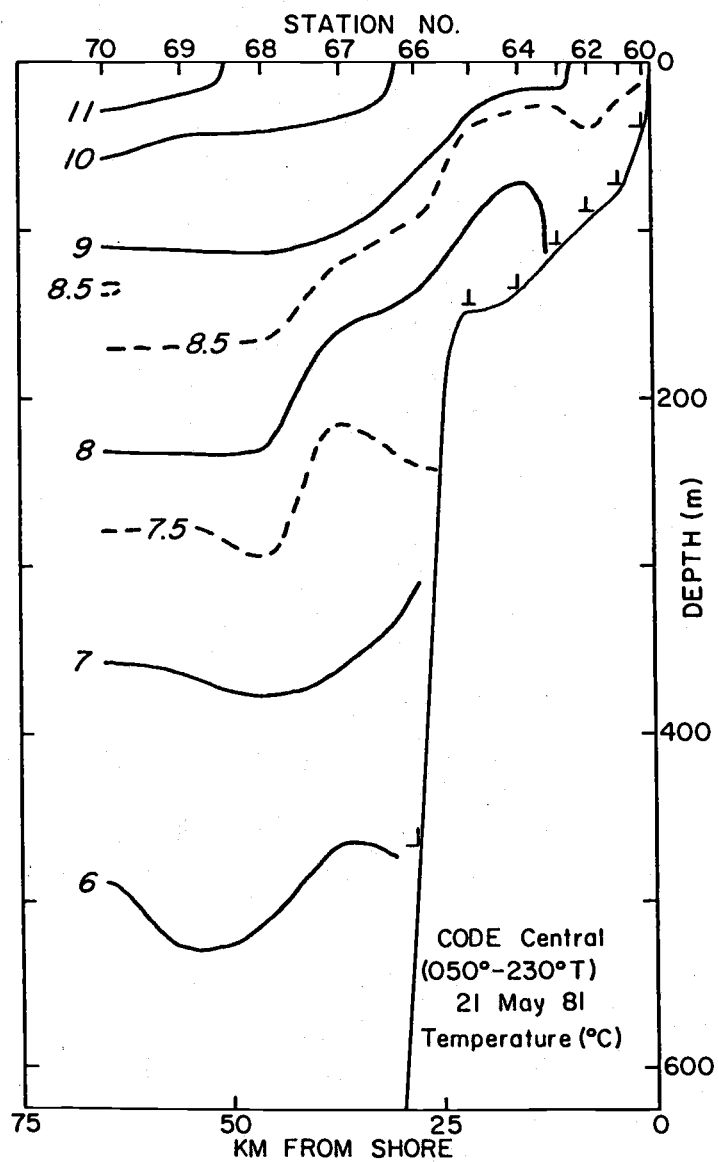
The data listing for each station gives values at standard pressures including observed and calculated parameters at the shallowest and deepest observations levels. Temperature (TEMP), salinity (SAL), potential temperature (POTEN TEMP), sigma theta (SIGMA THETA), specific volume anomaly $\times 10^5$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

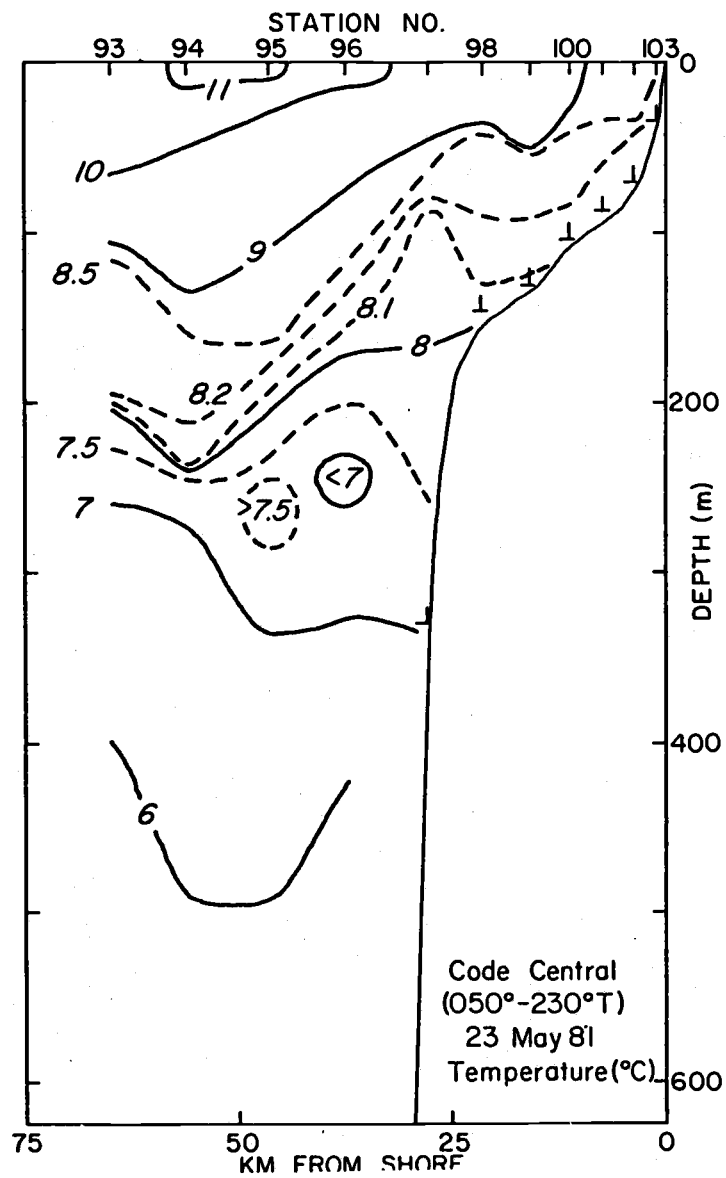
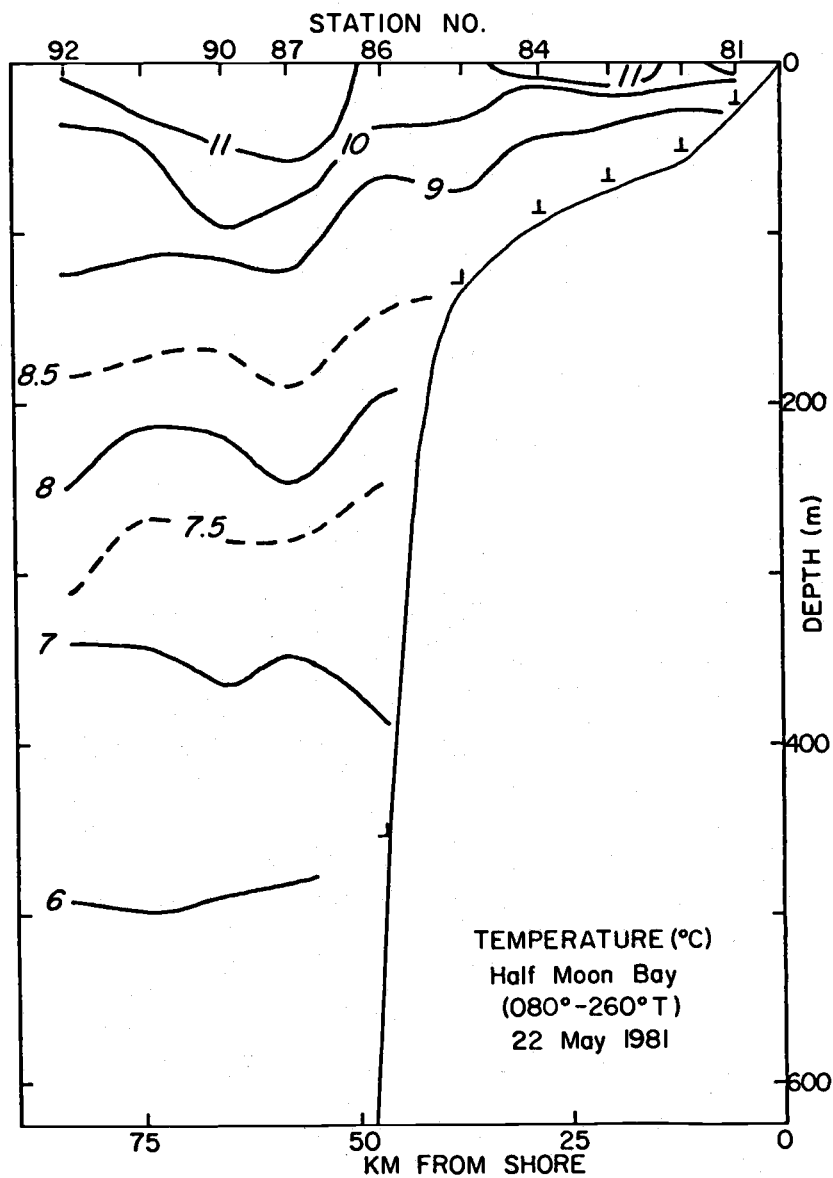
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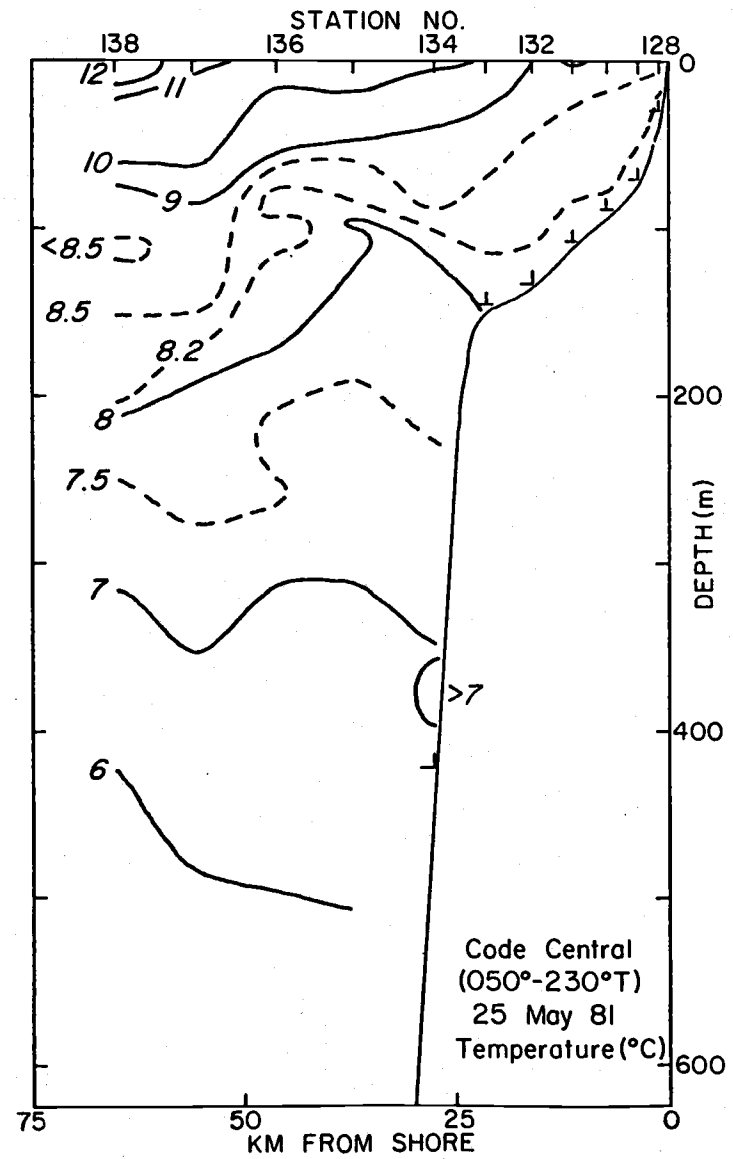
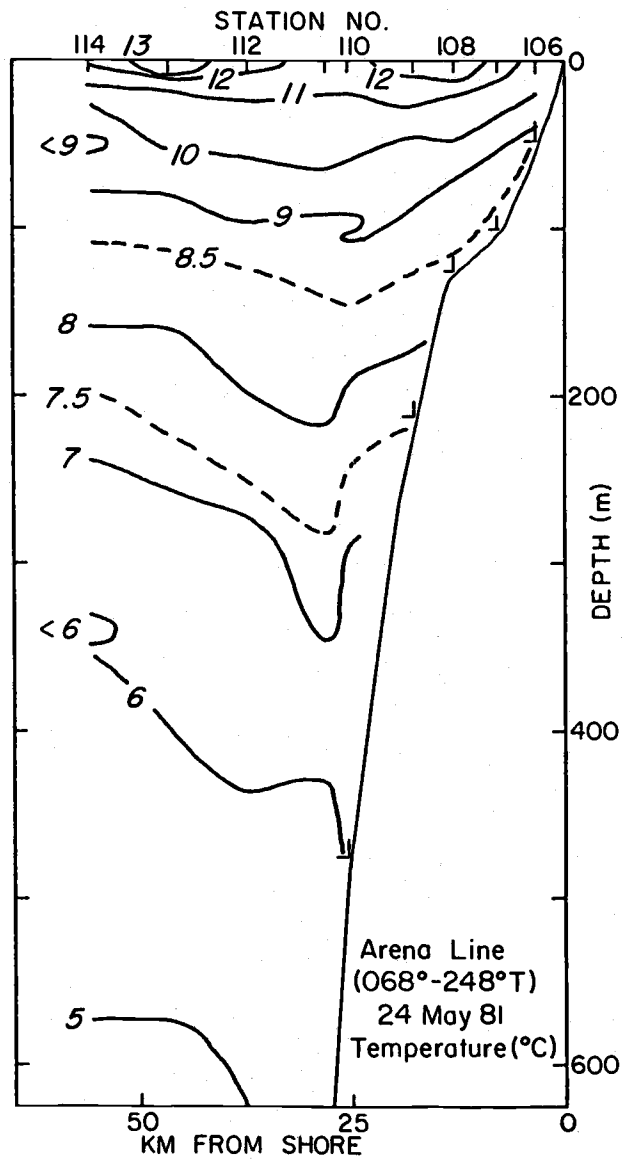


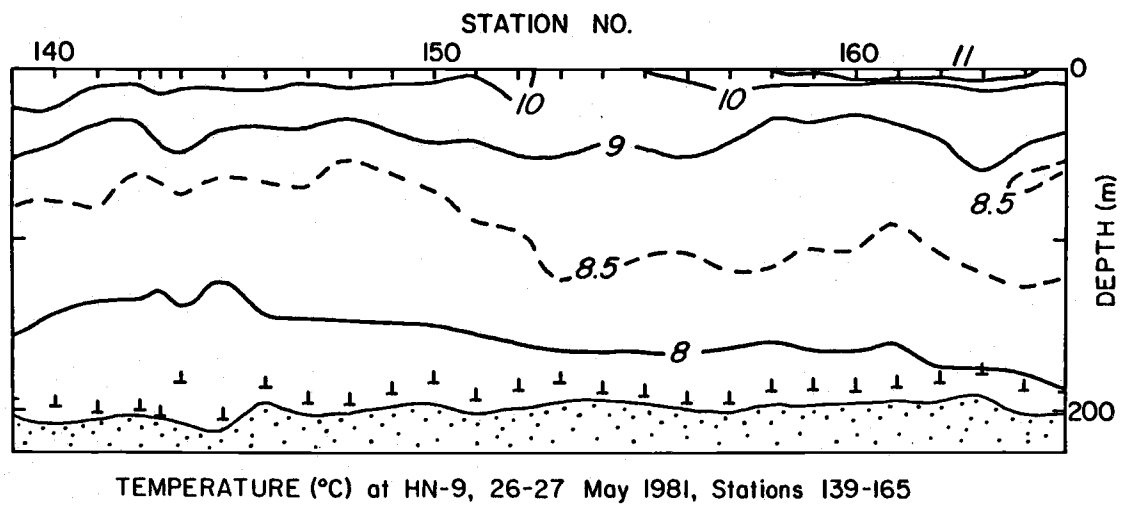
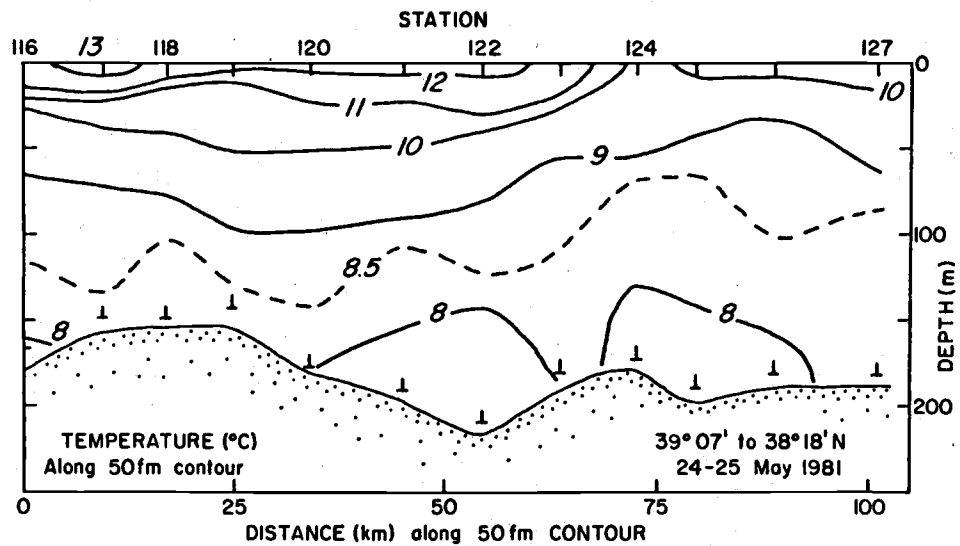


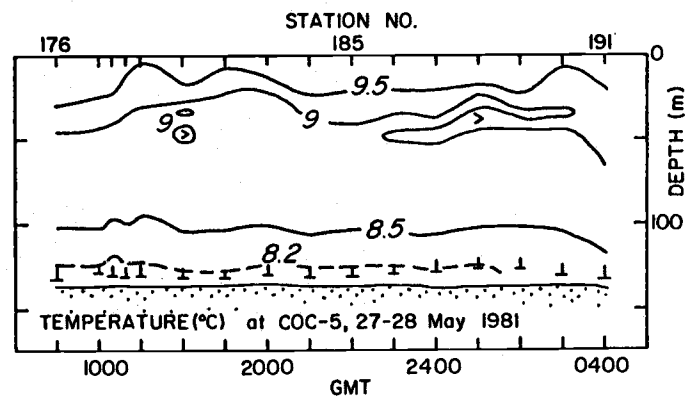
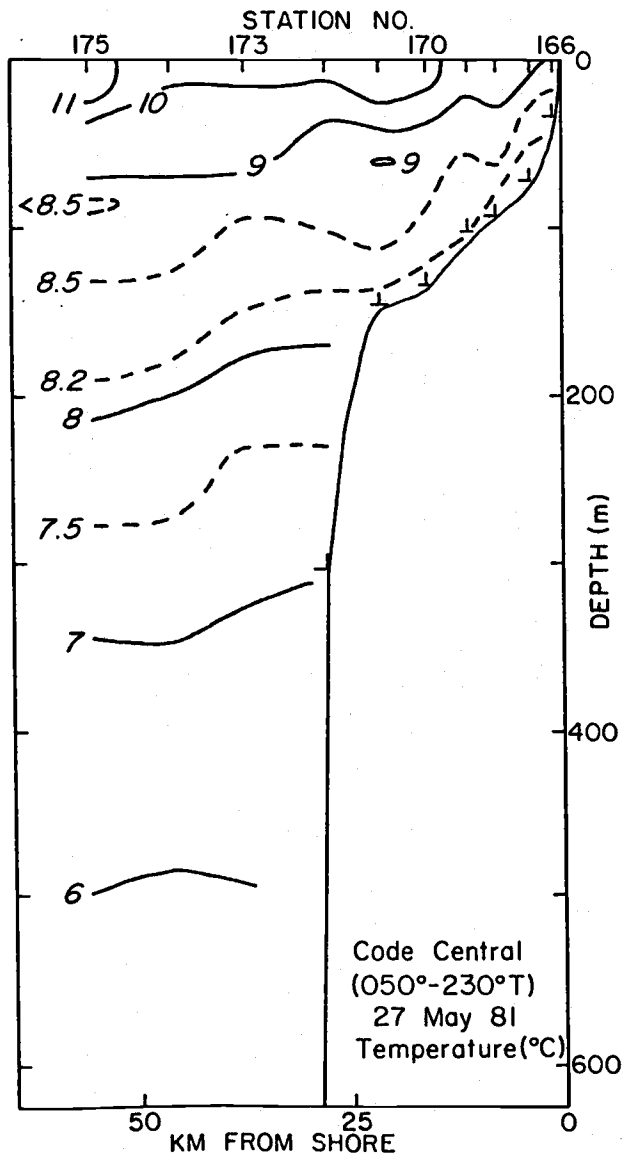


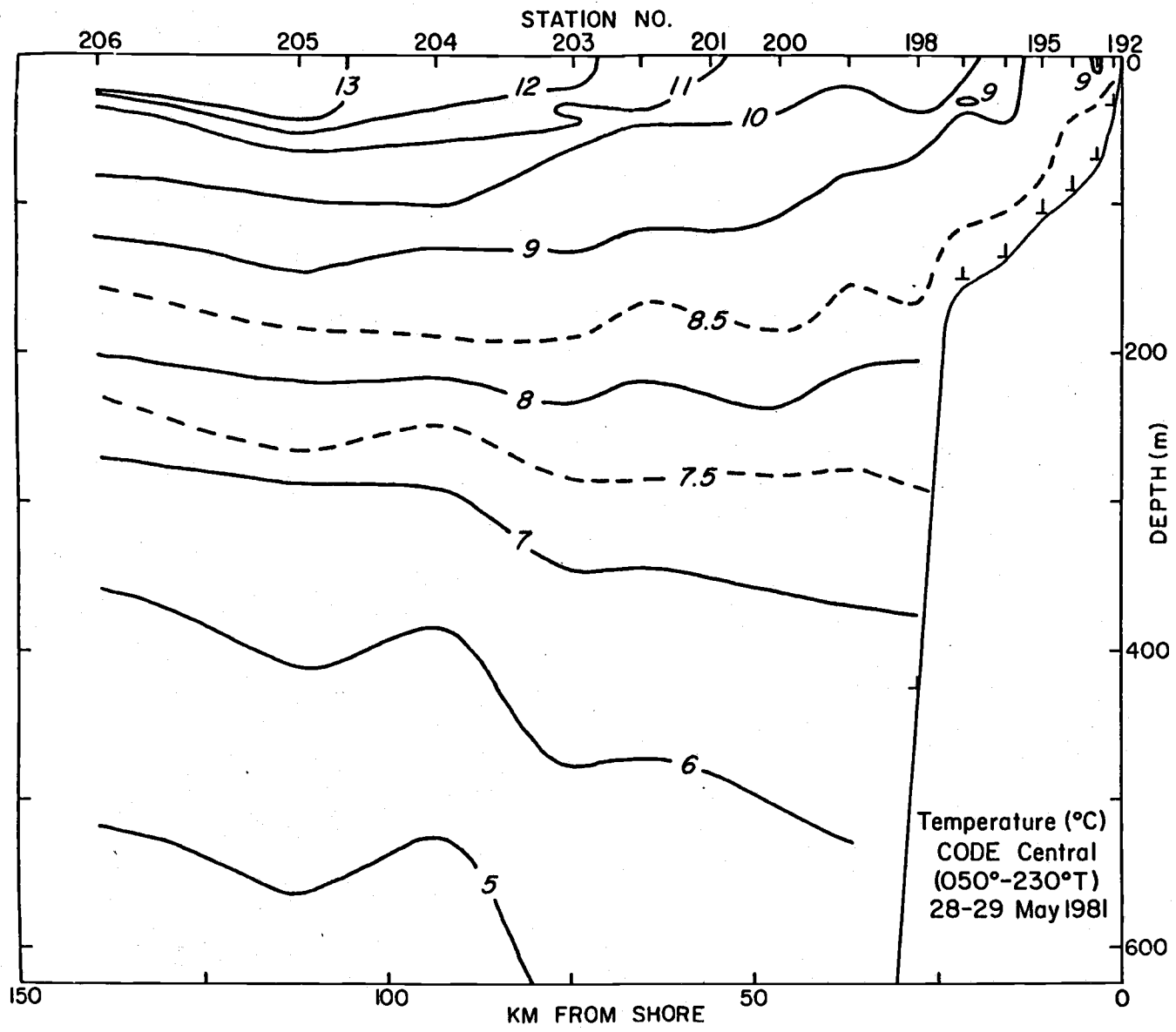


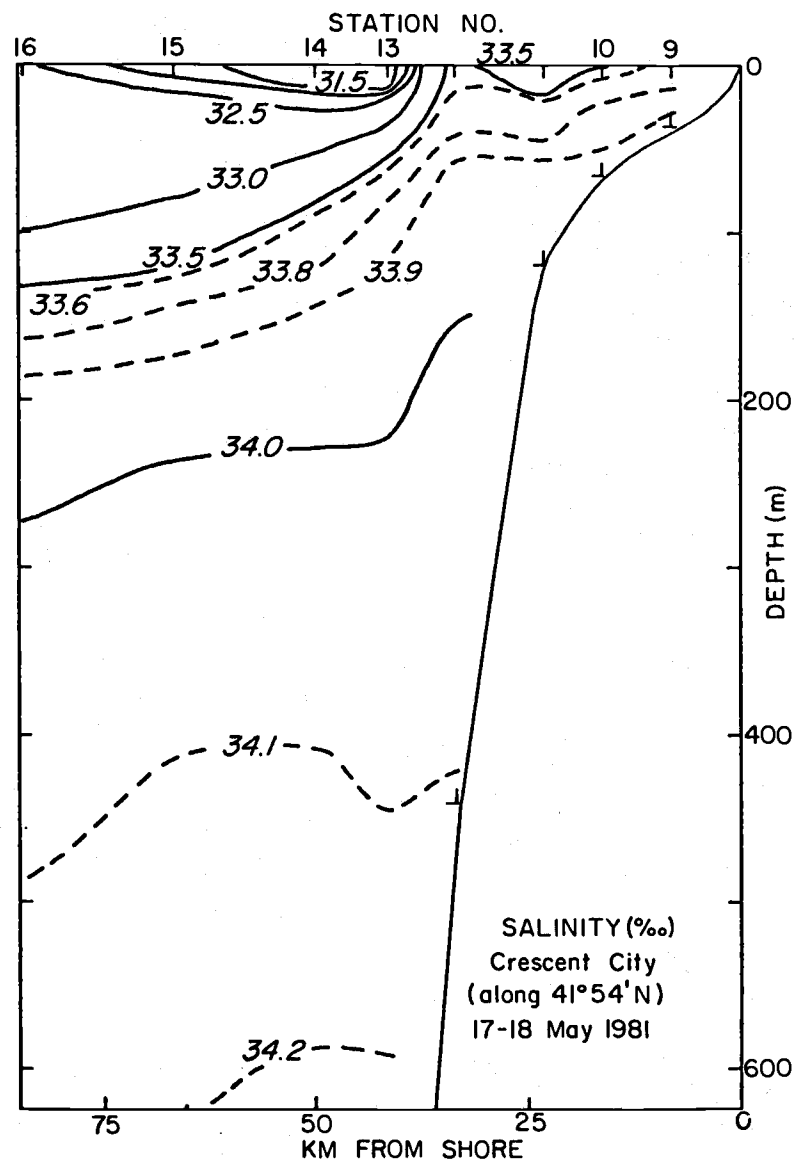
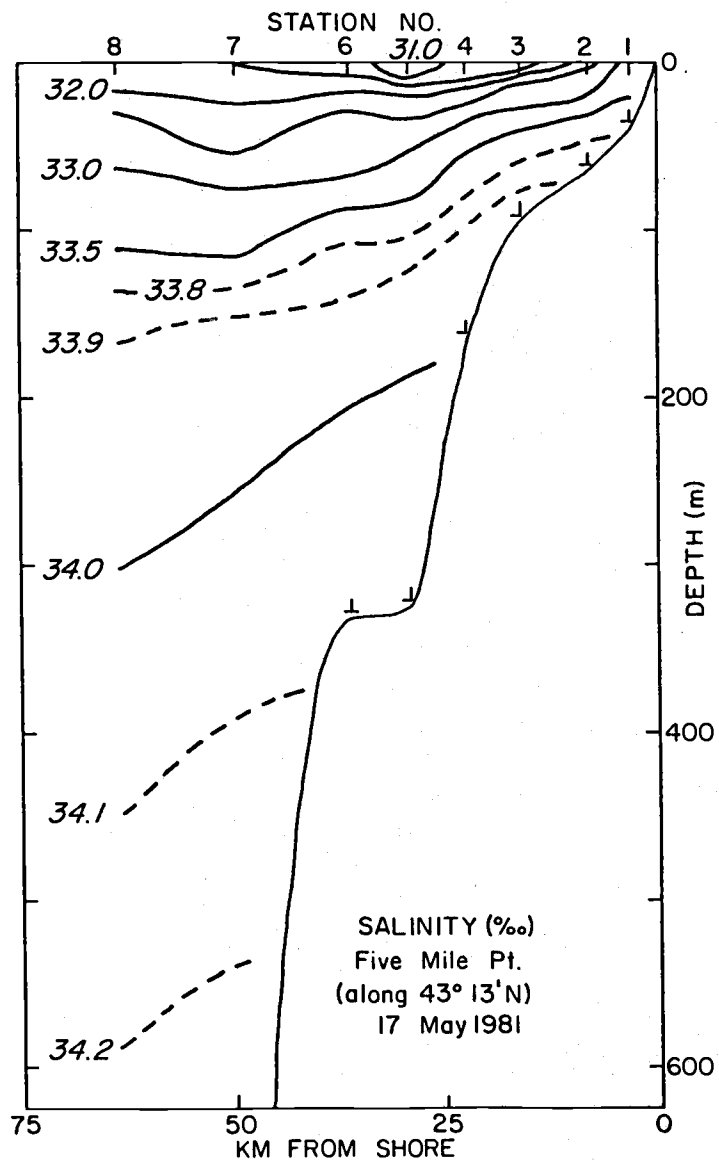


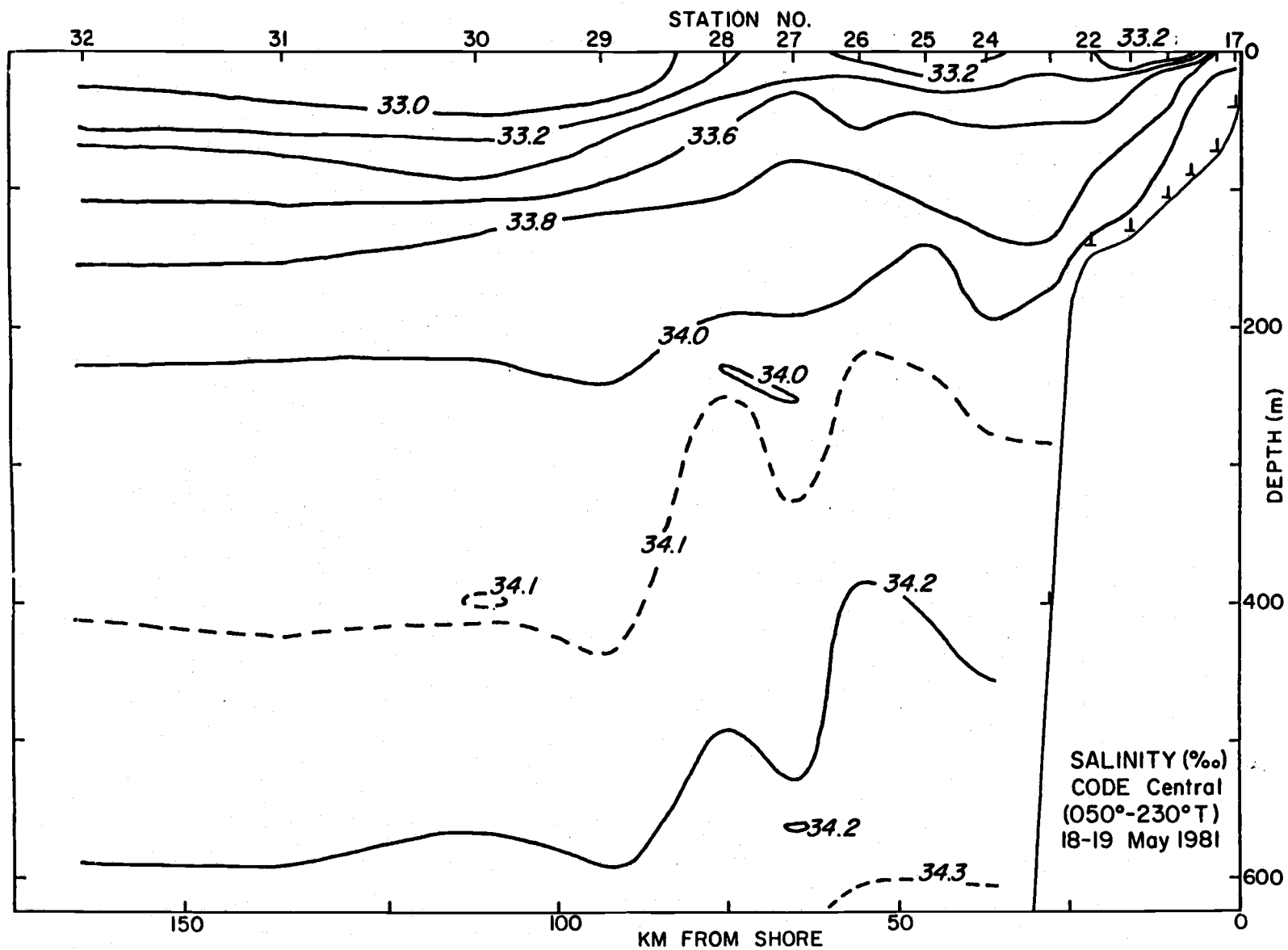


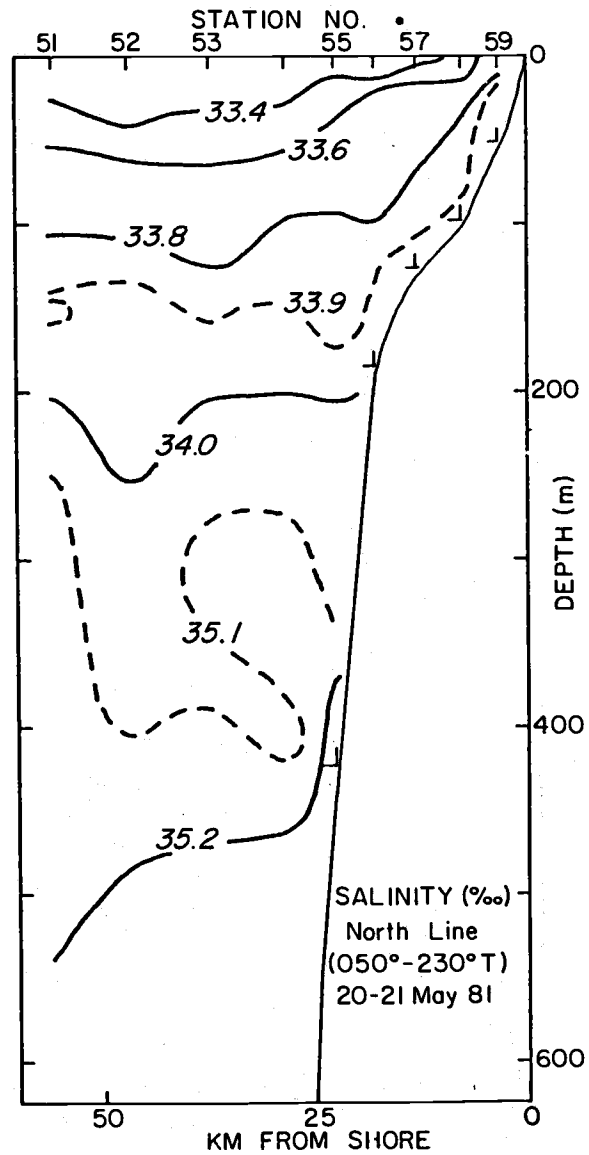
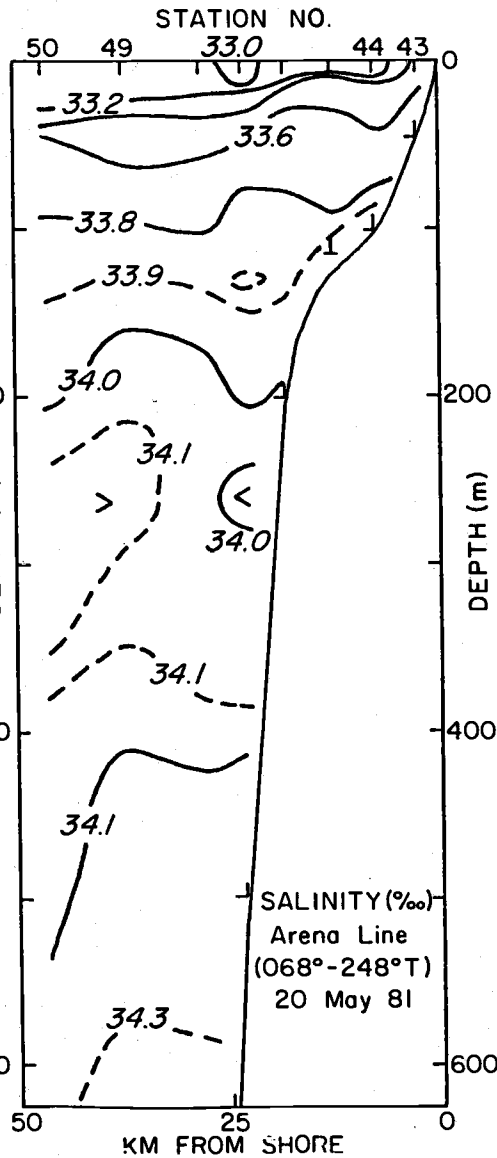
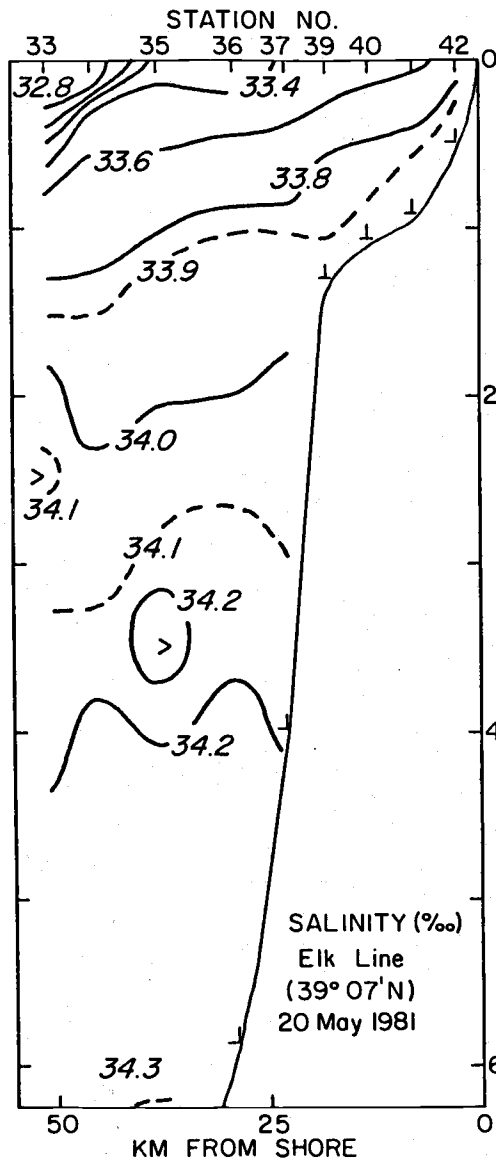


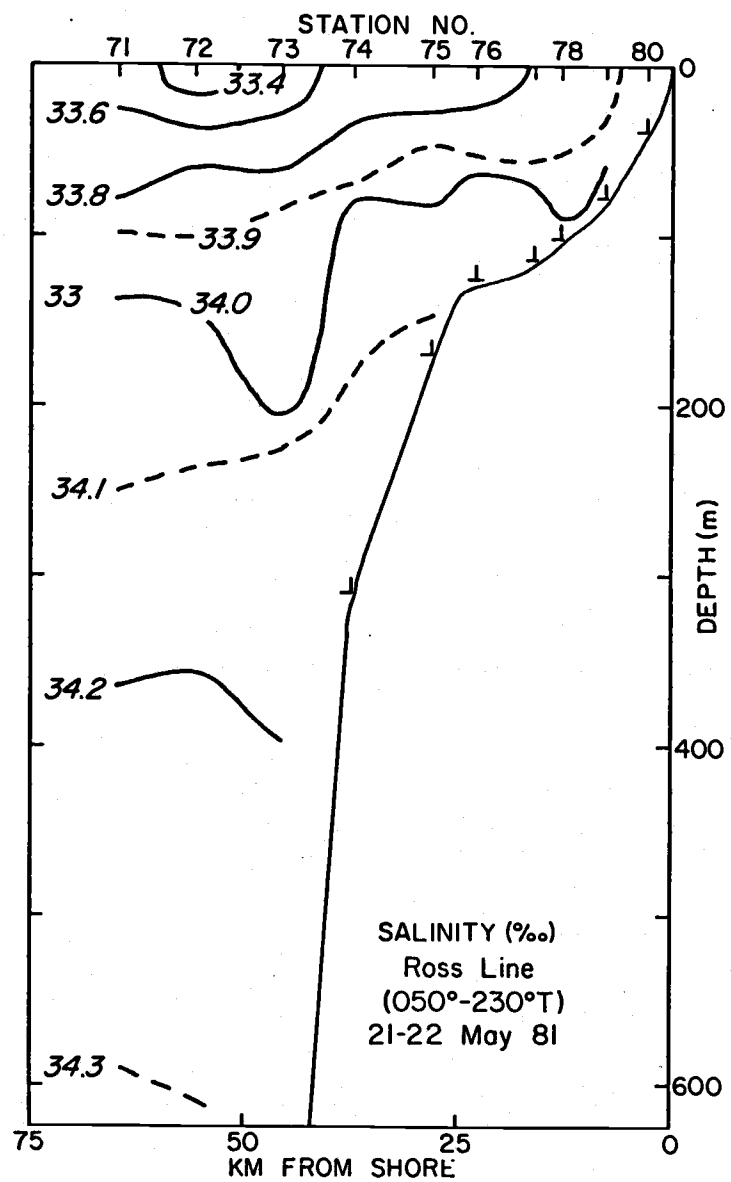
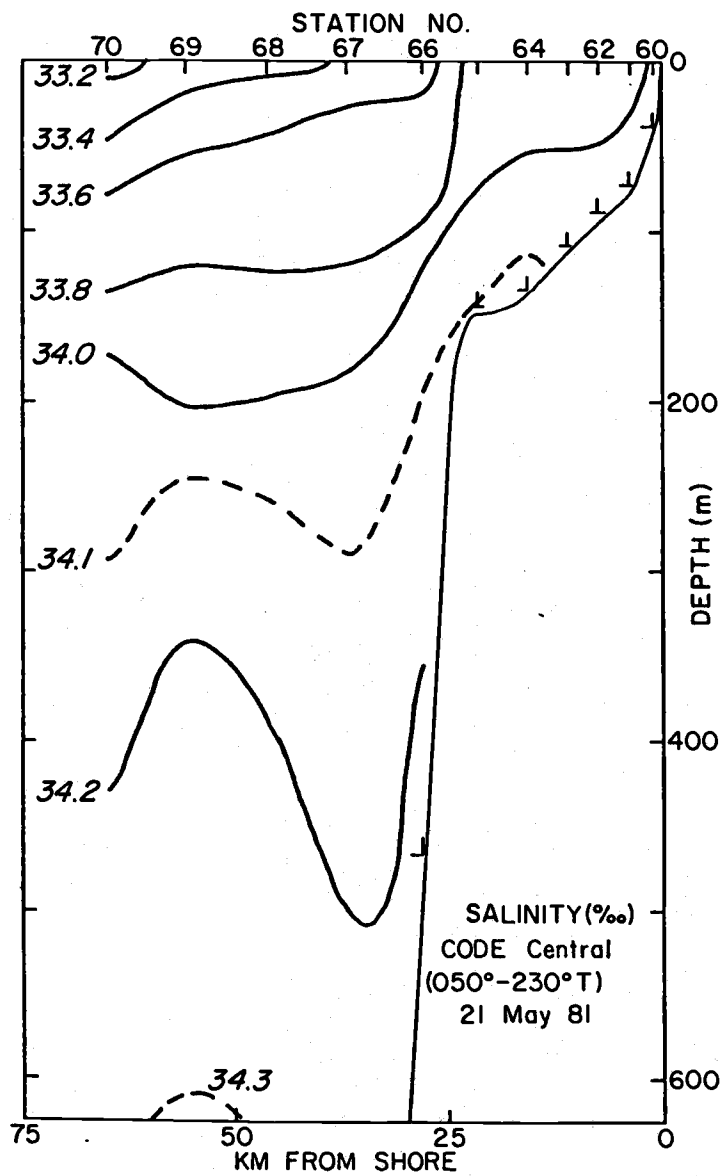


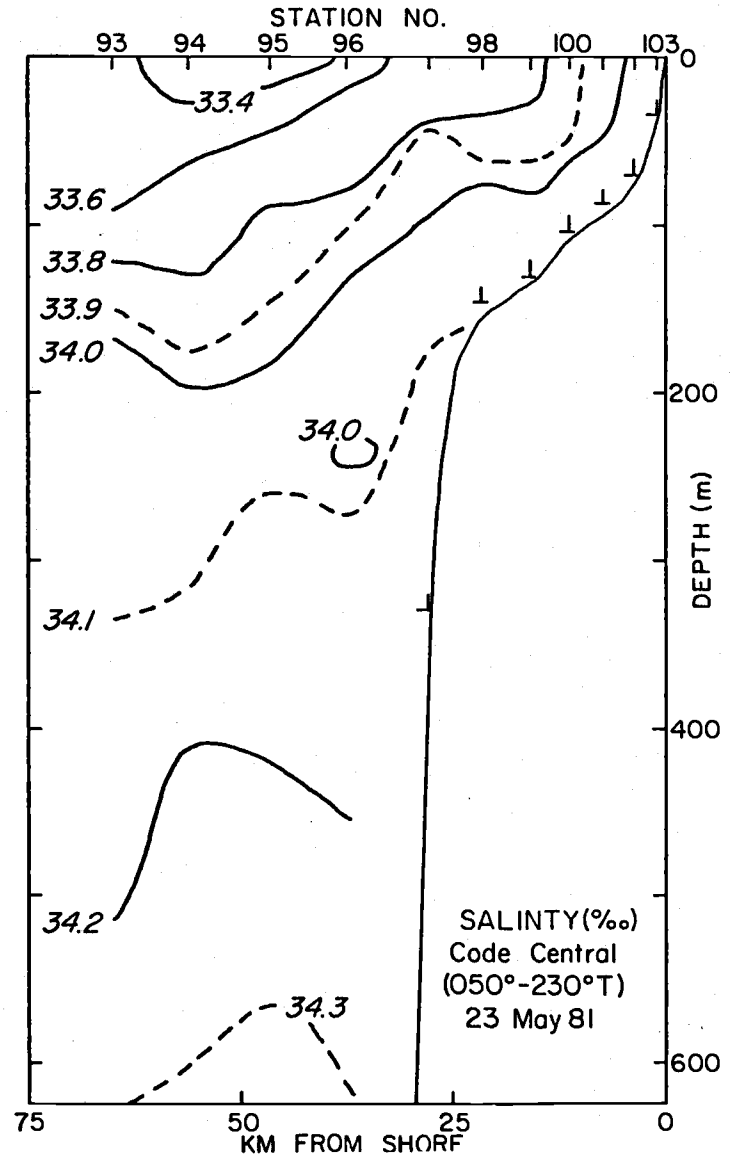
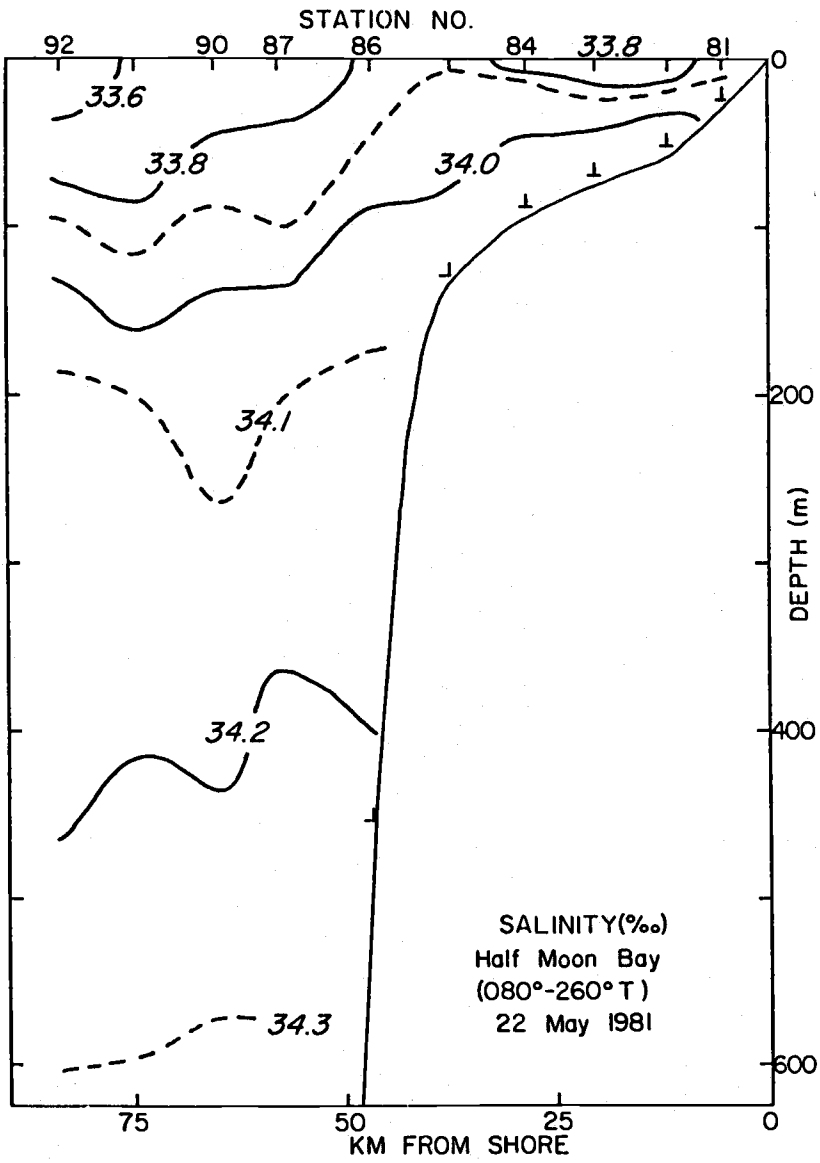


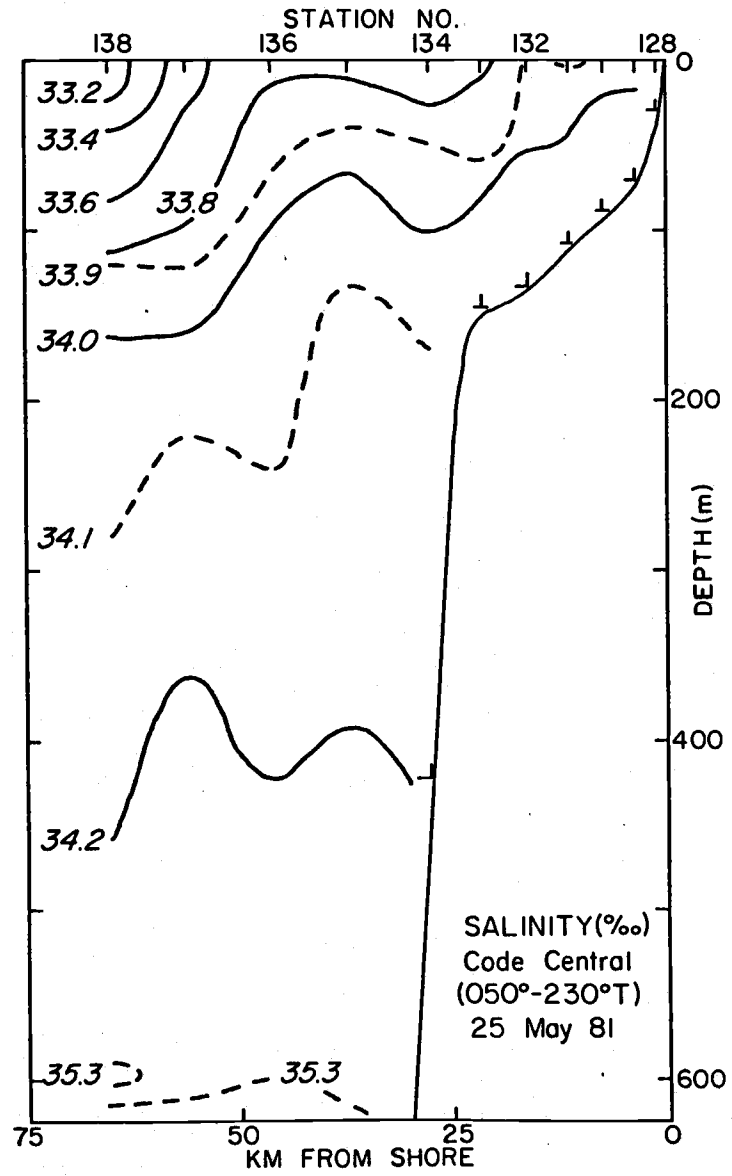
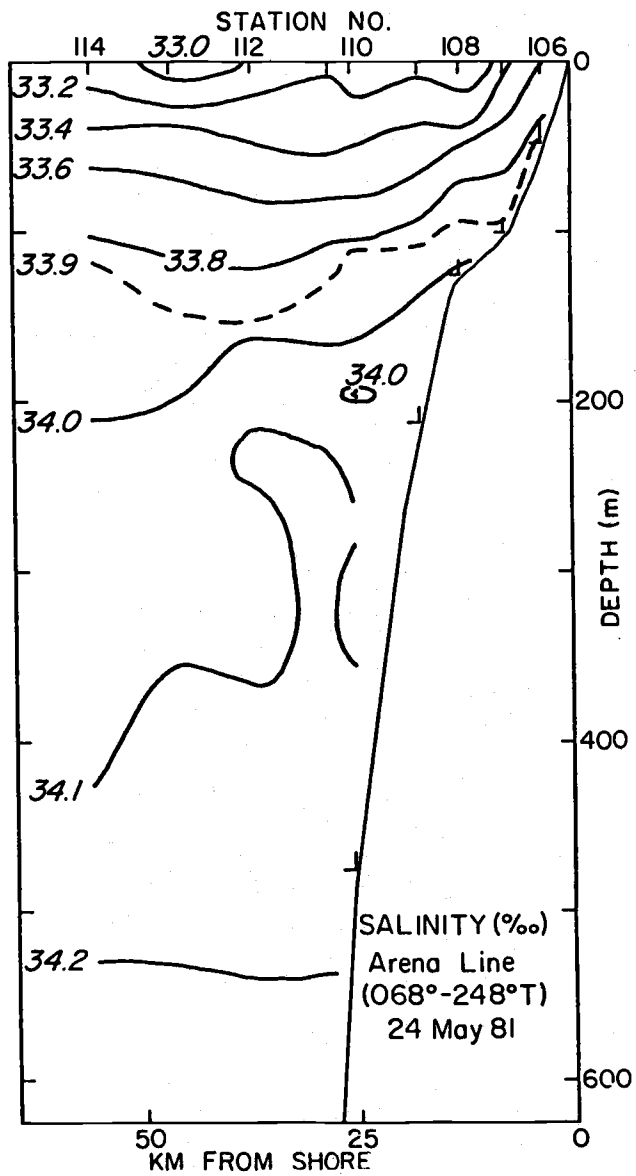


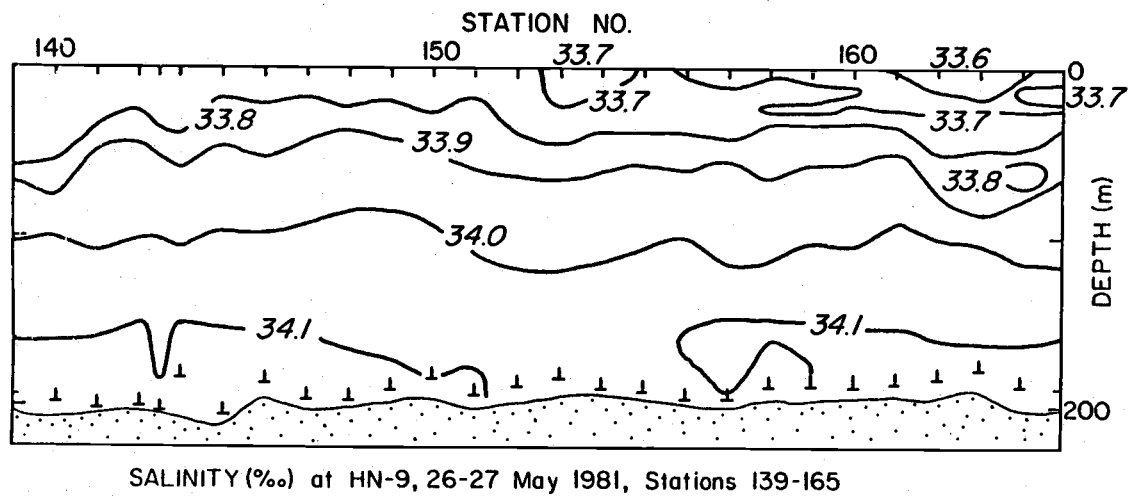
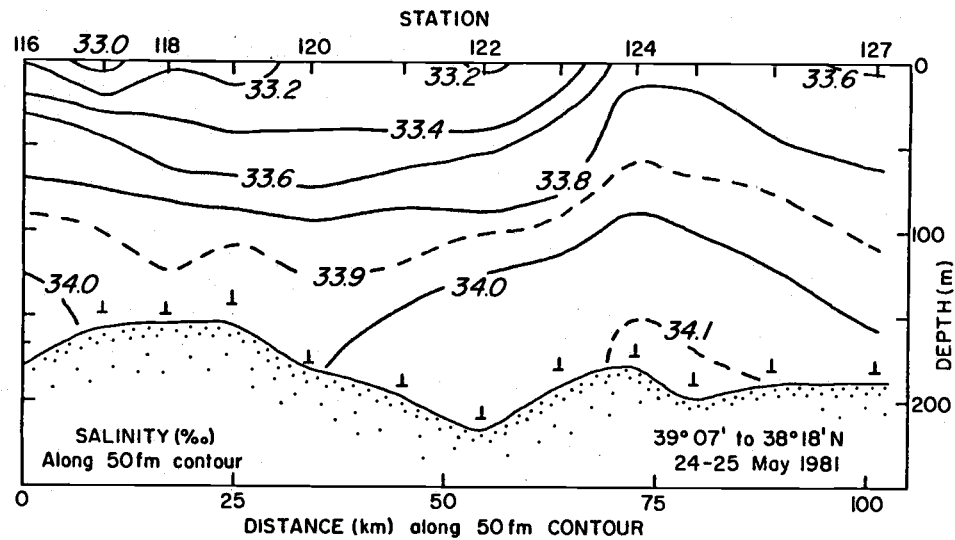


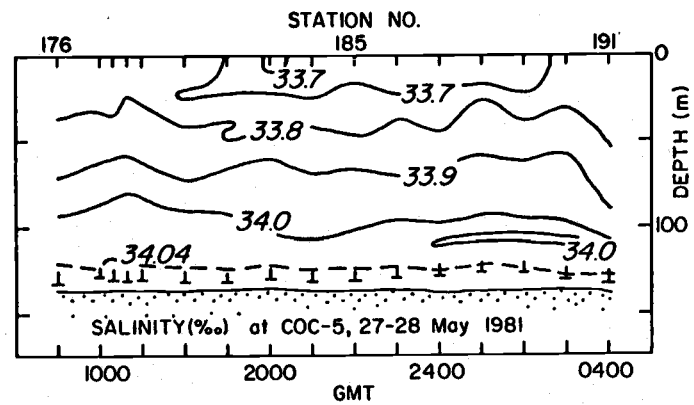
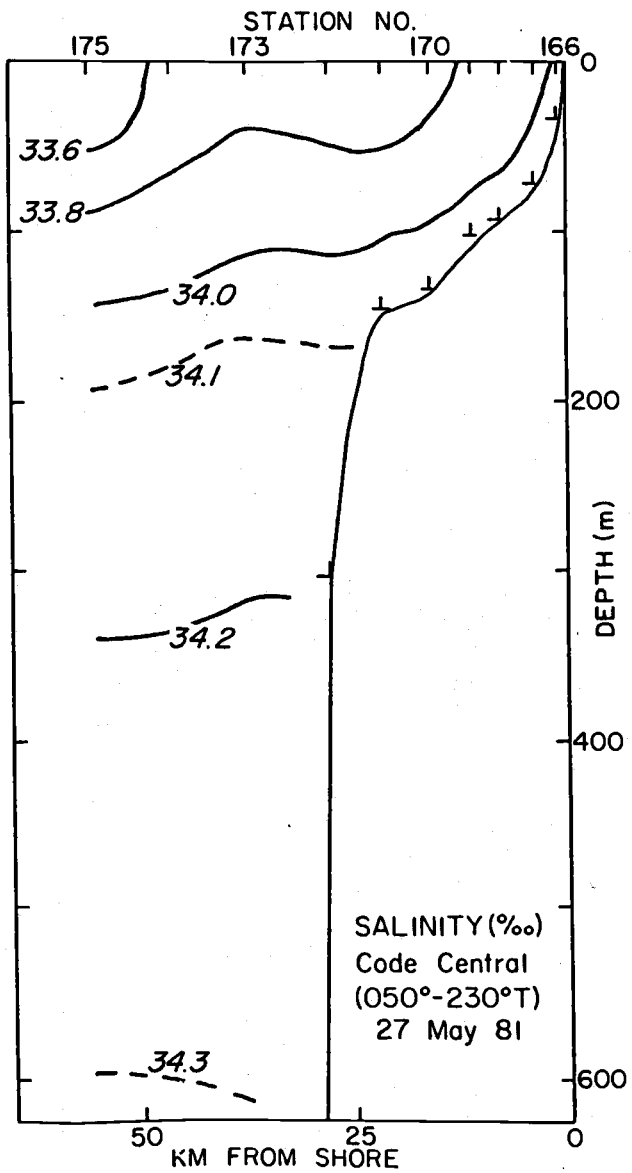


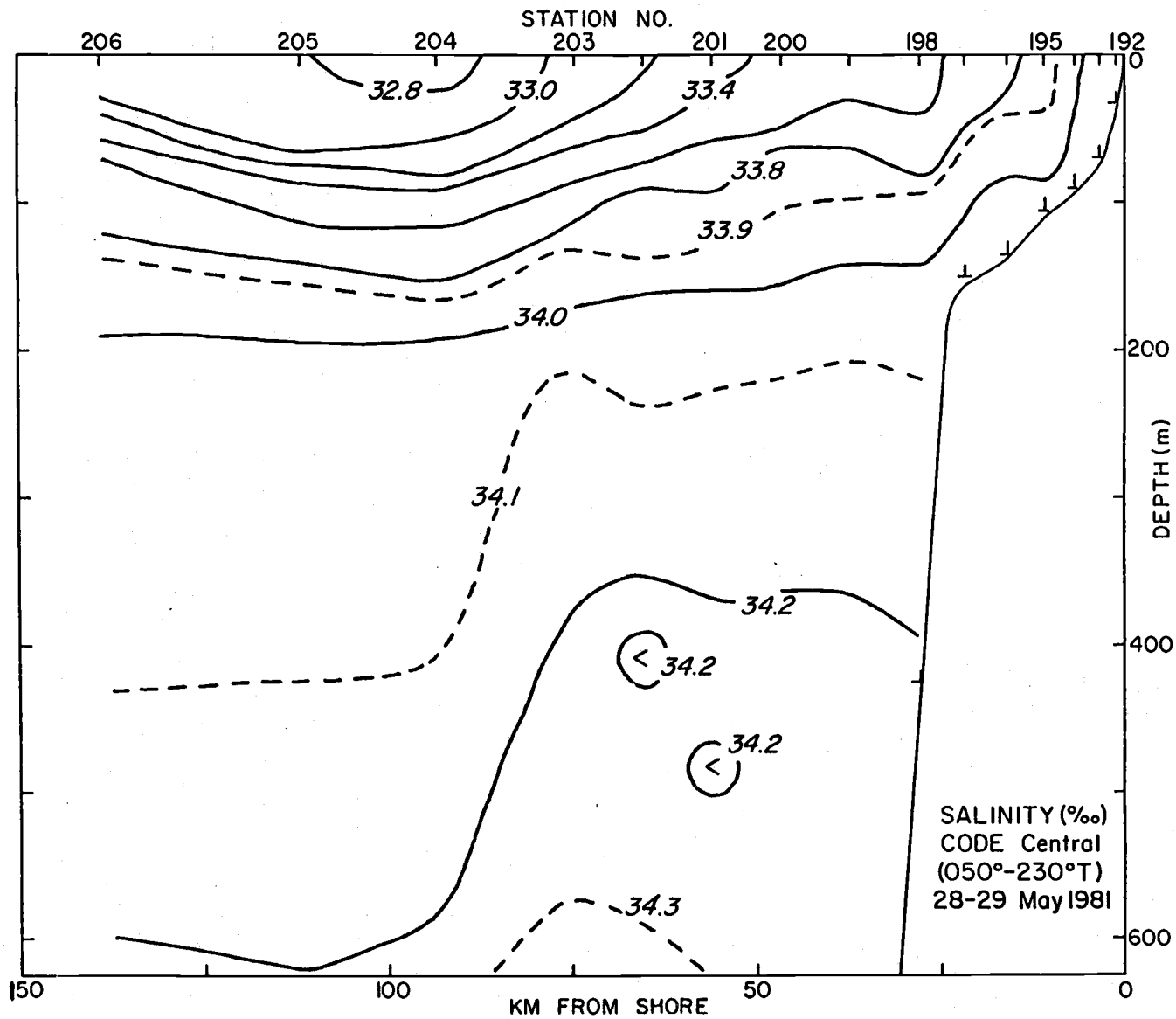


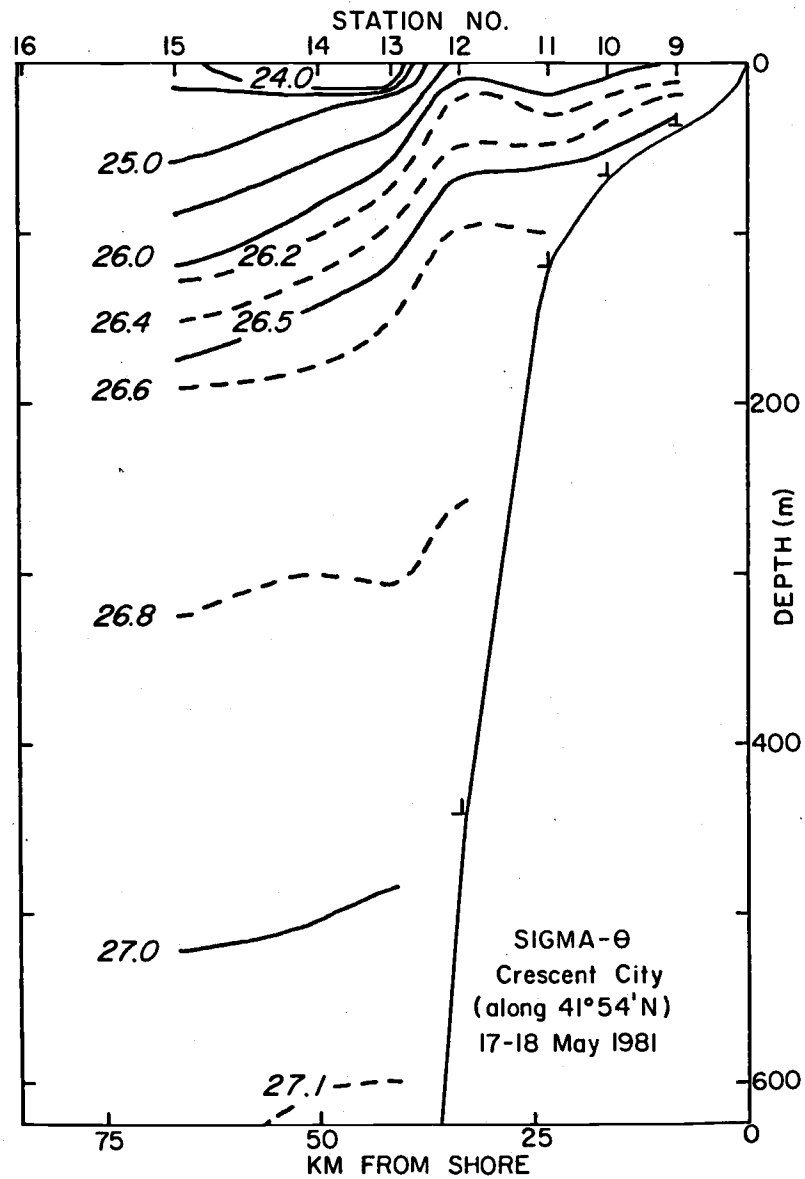
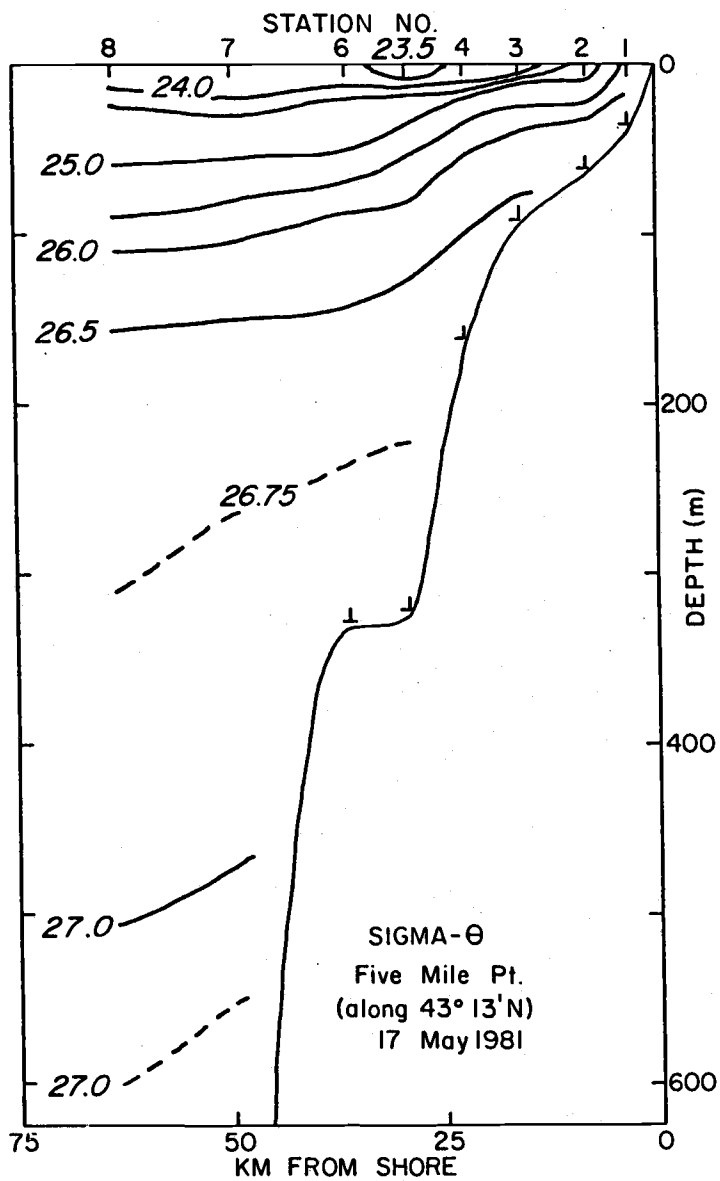


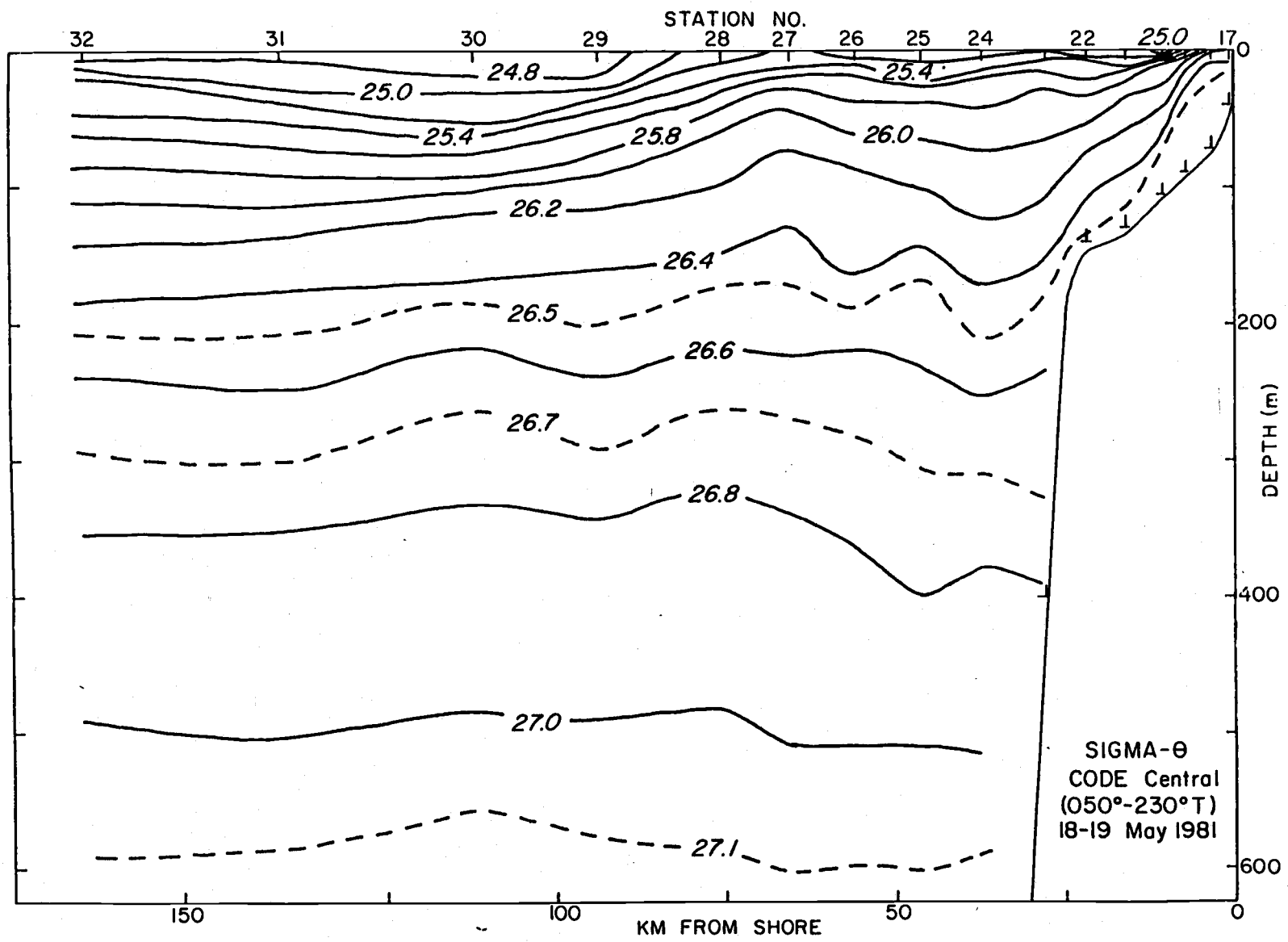


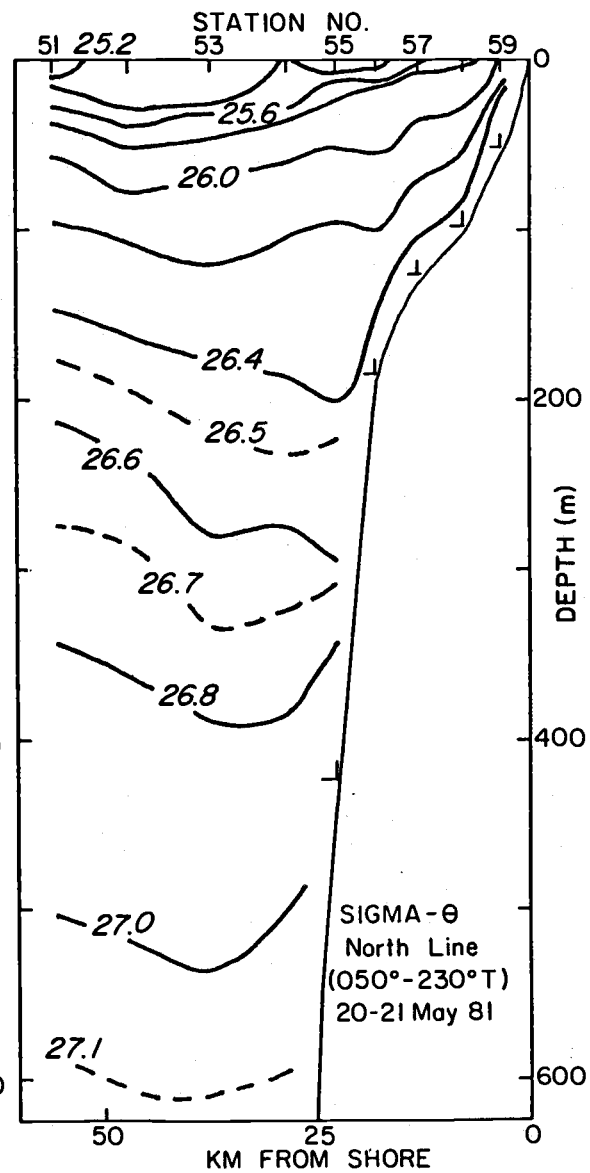
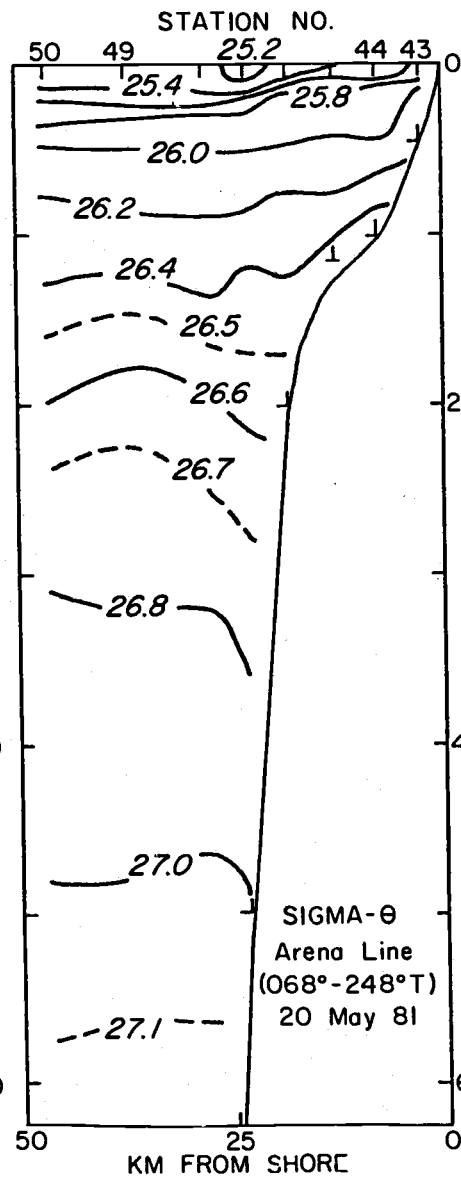
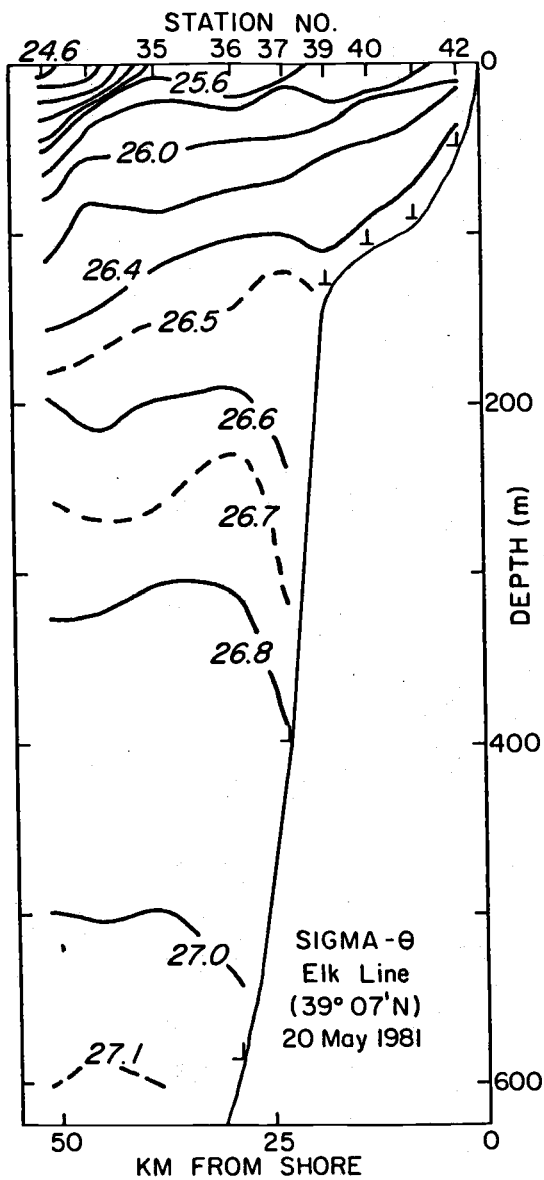


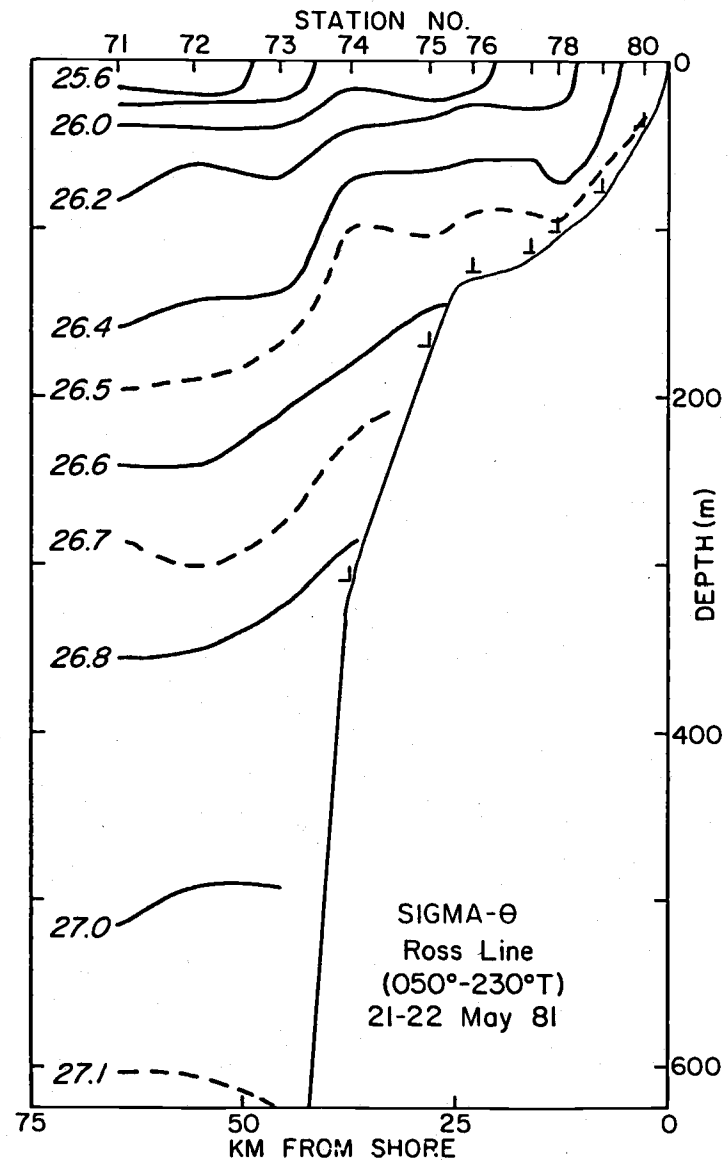
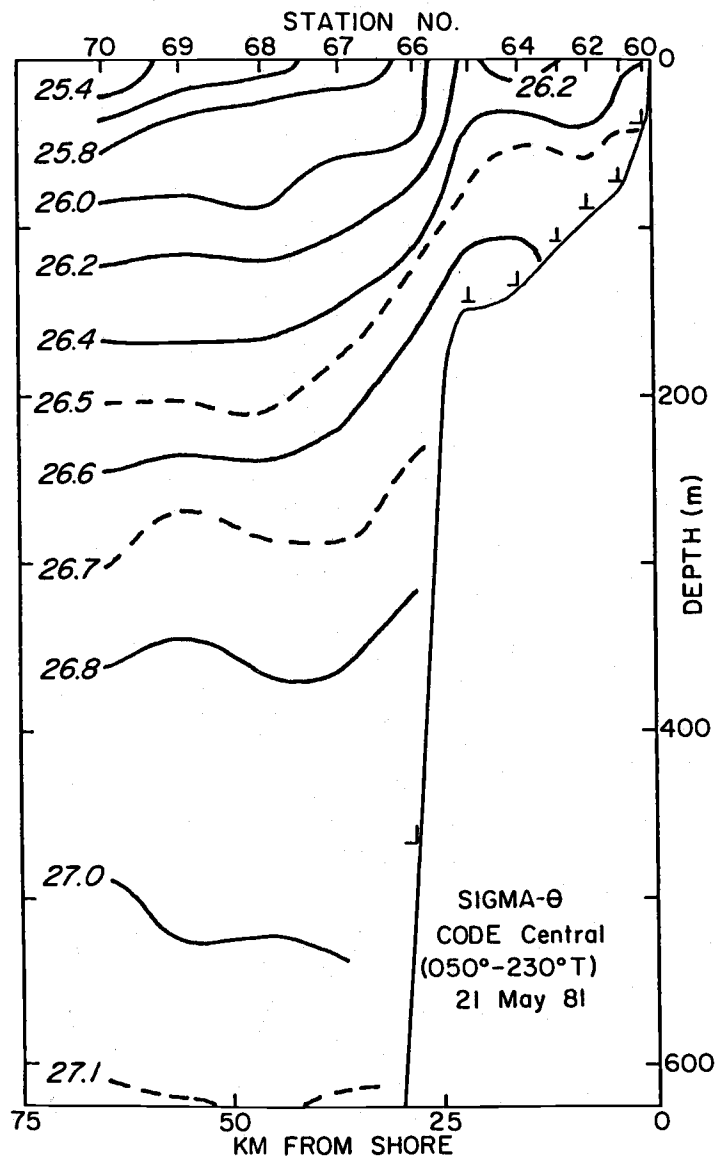


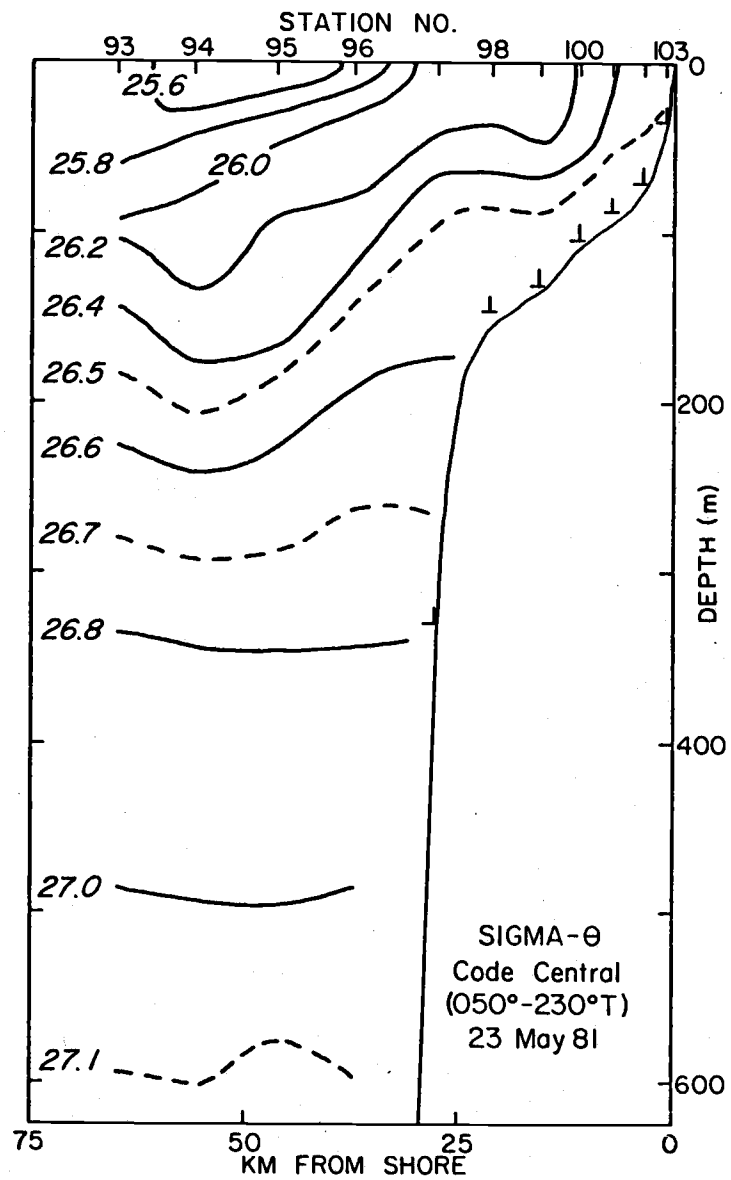
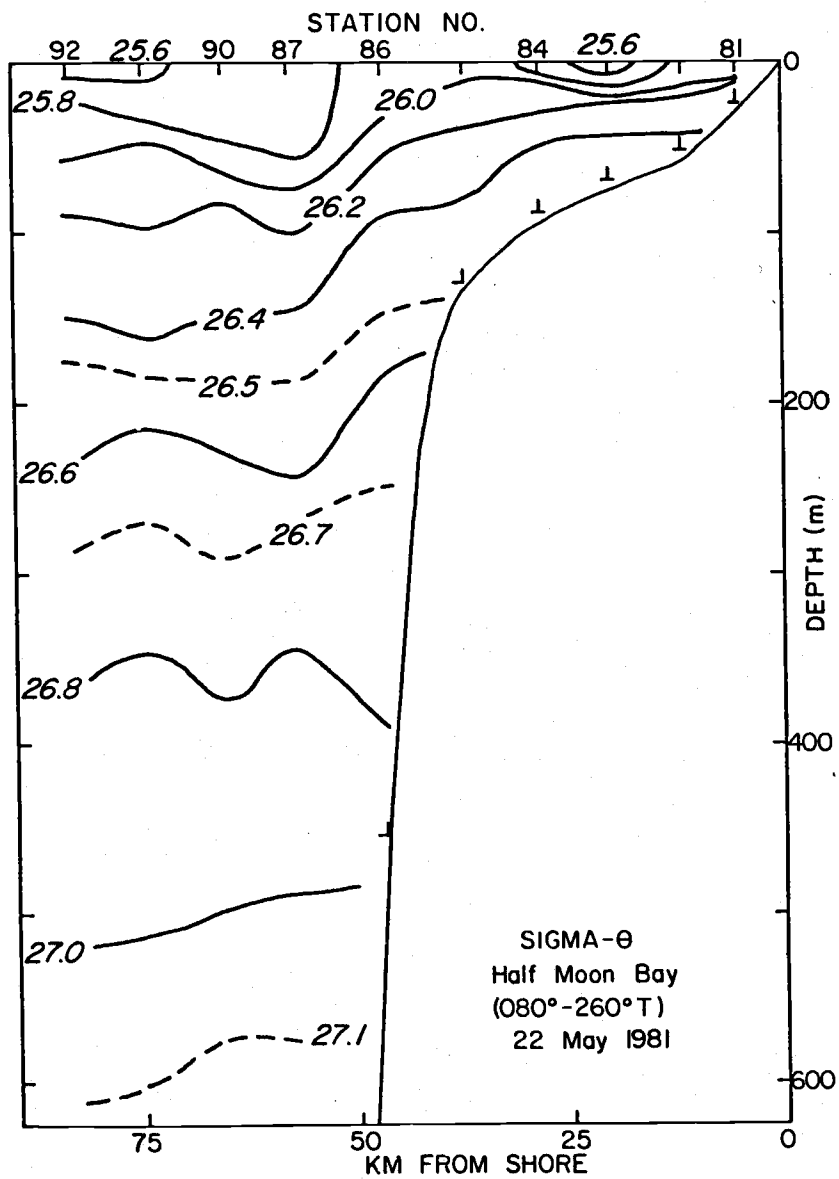


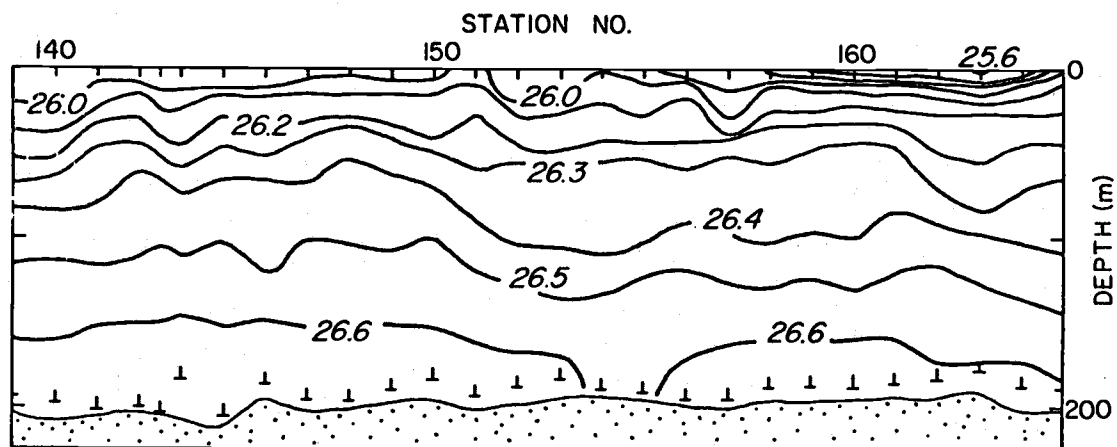
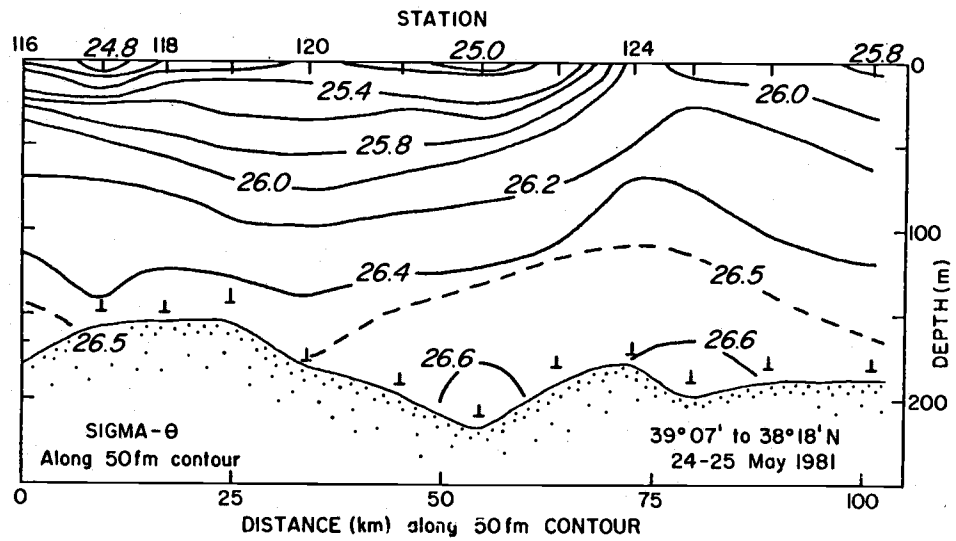




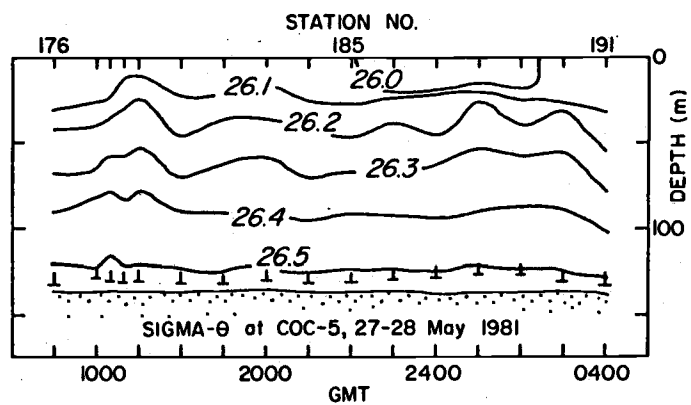
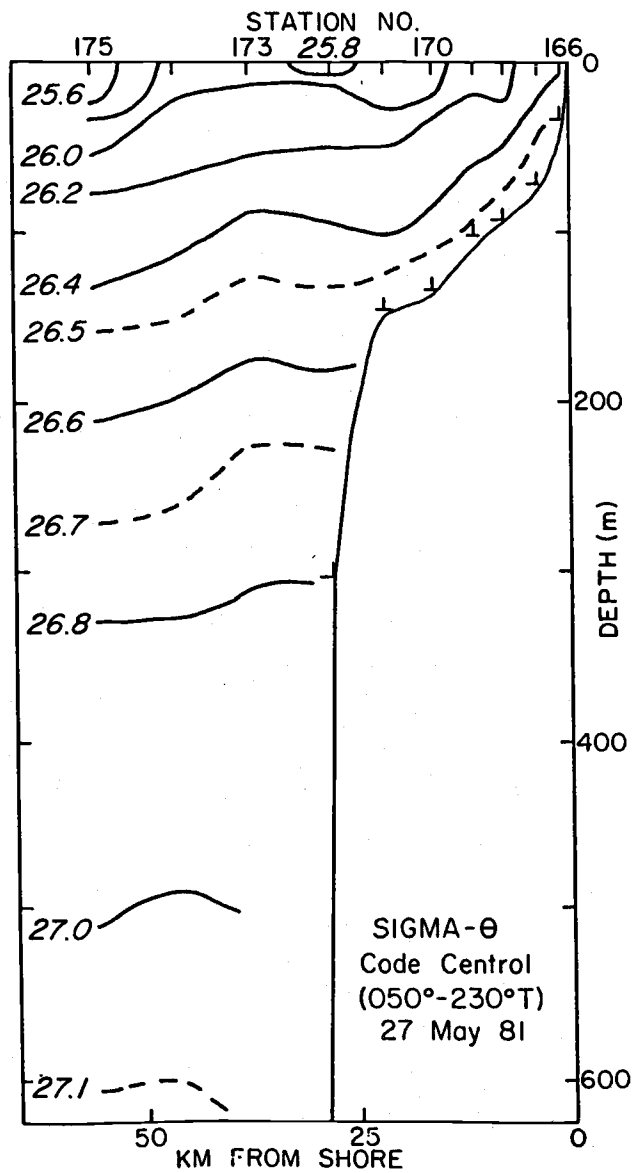


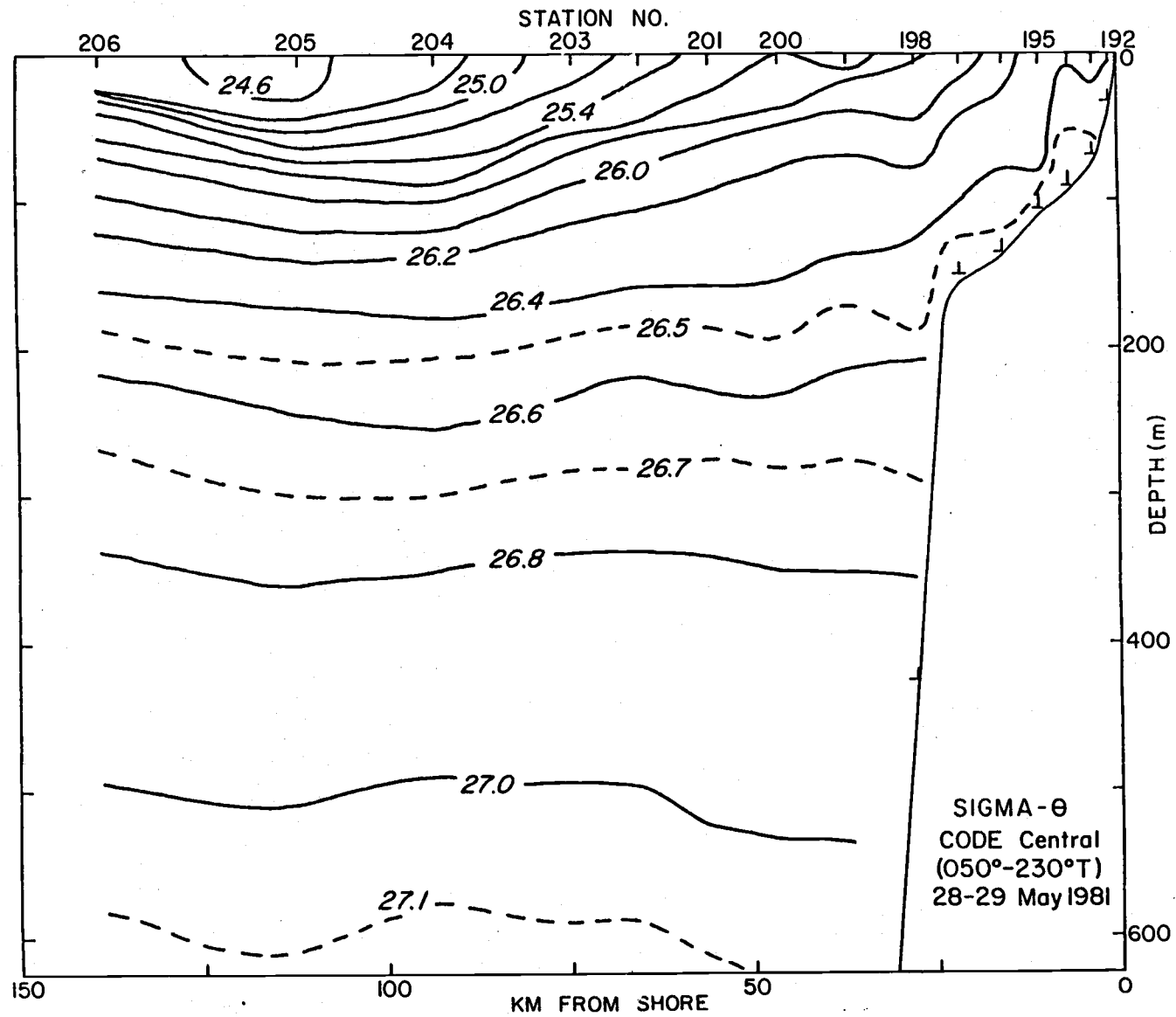




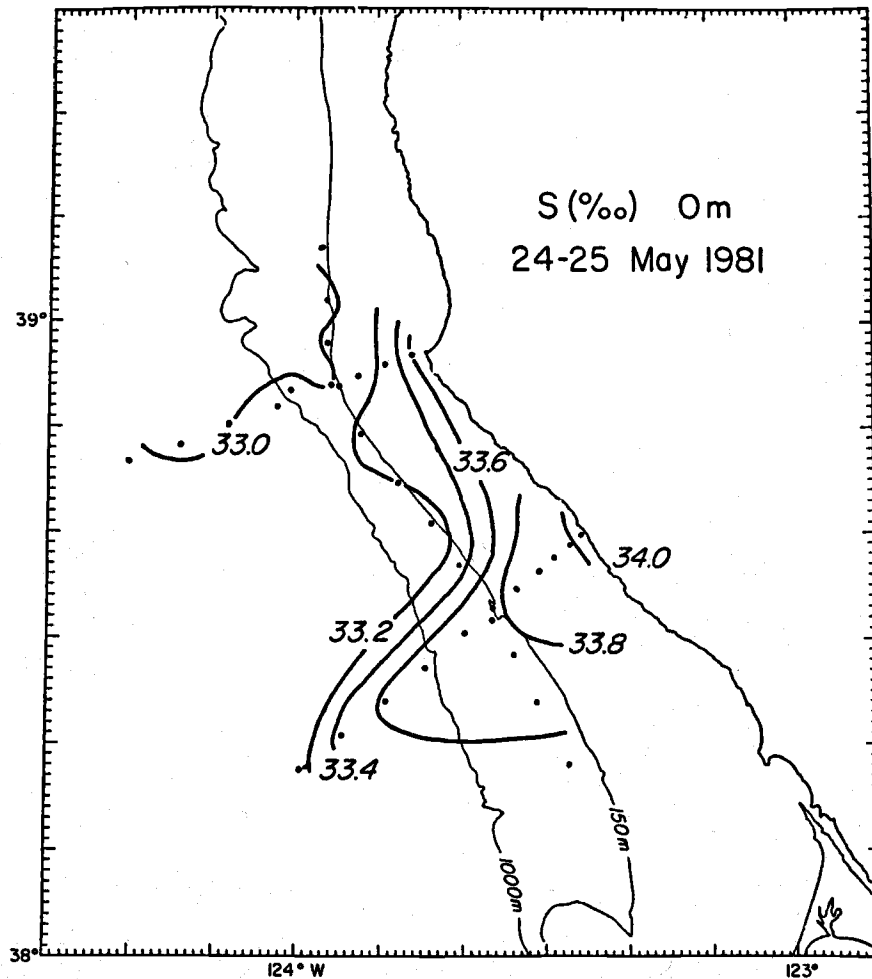
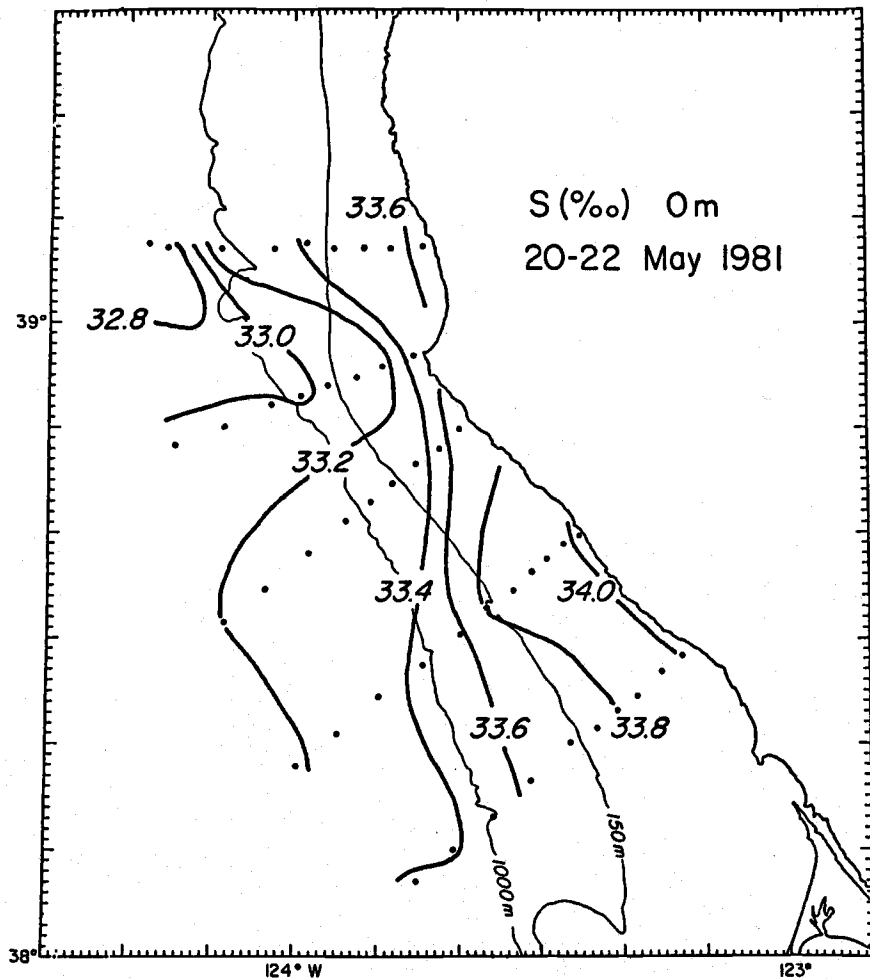


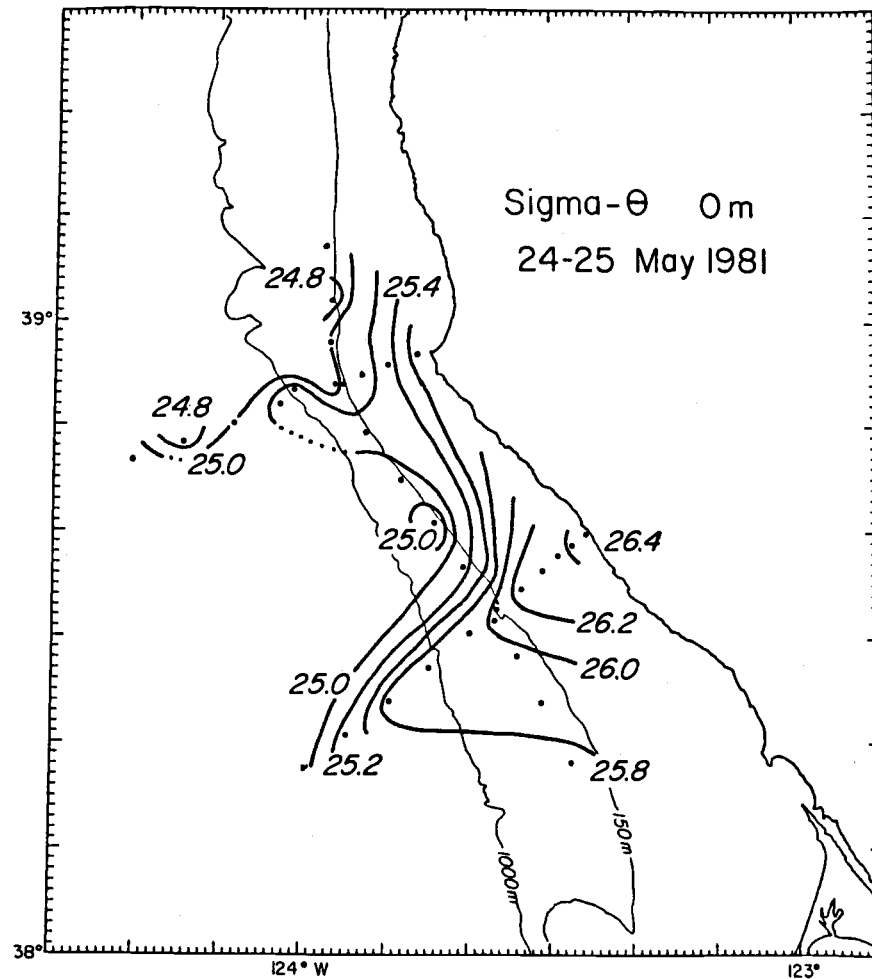
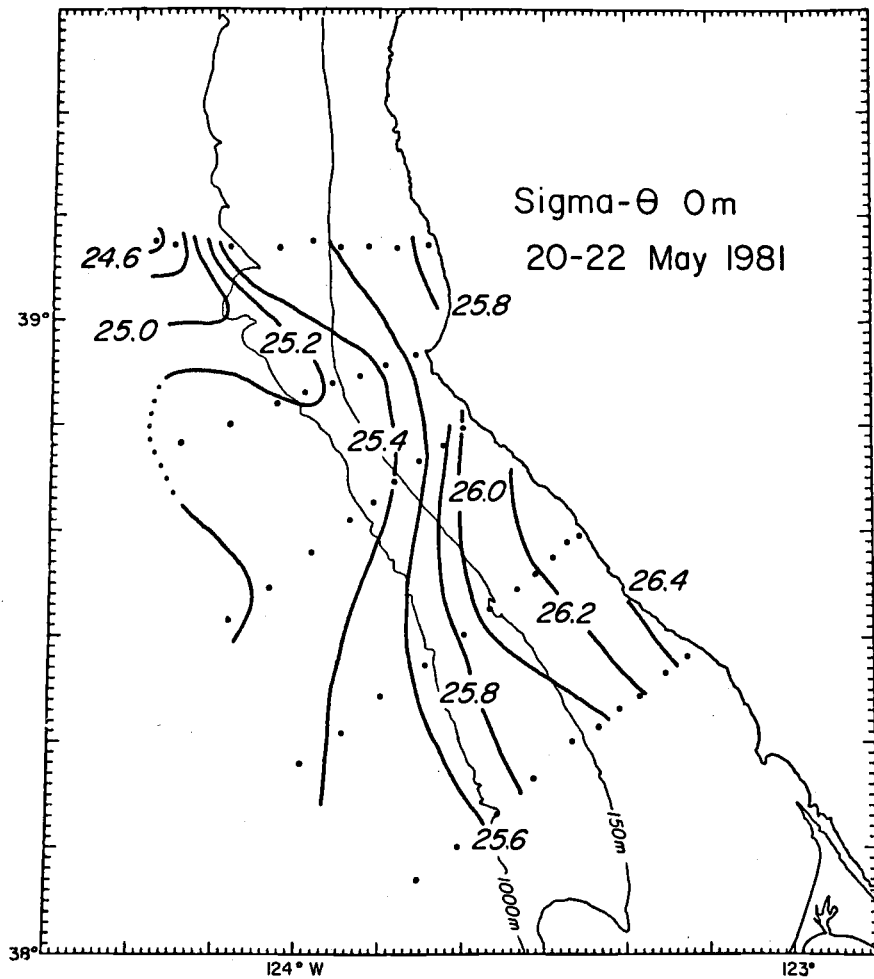
SIGMA- θ at HN-9, 26-27 May 1981, Stations 139-165

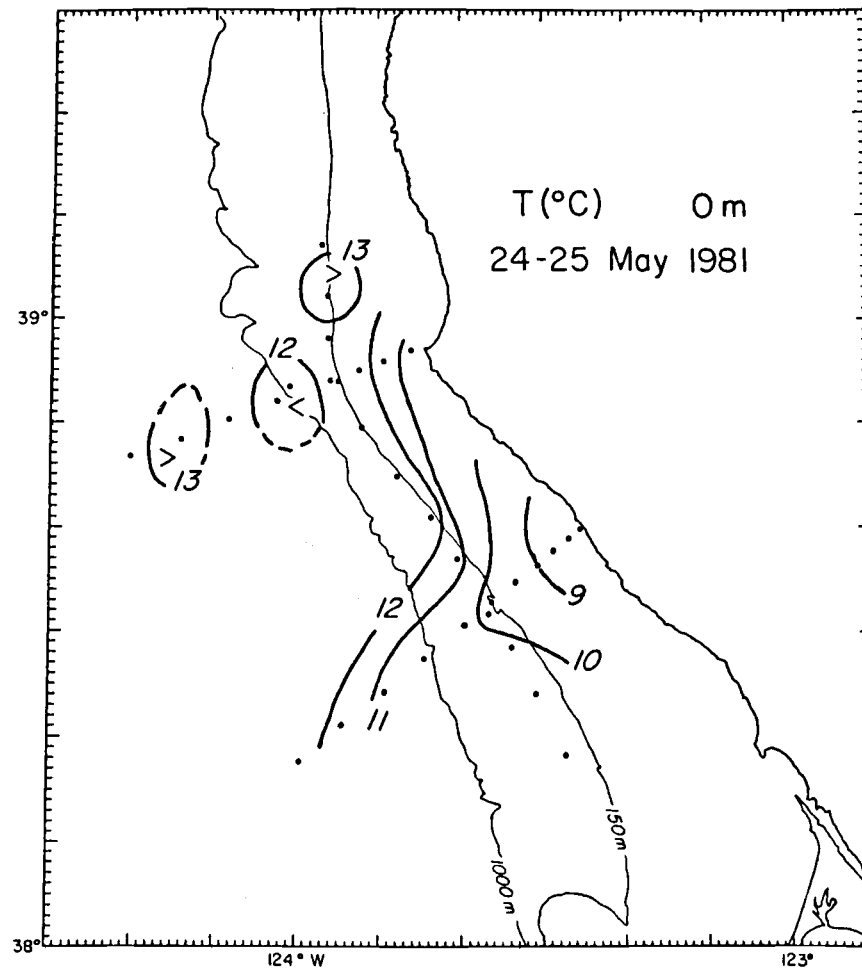
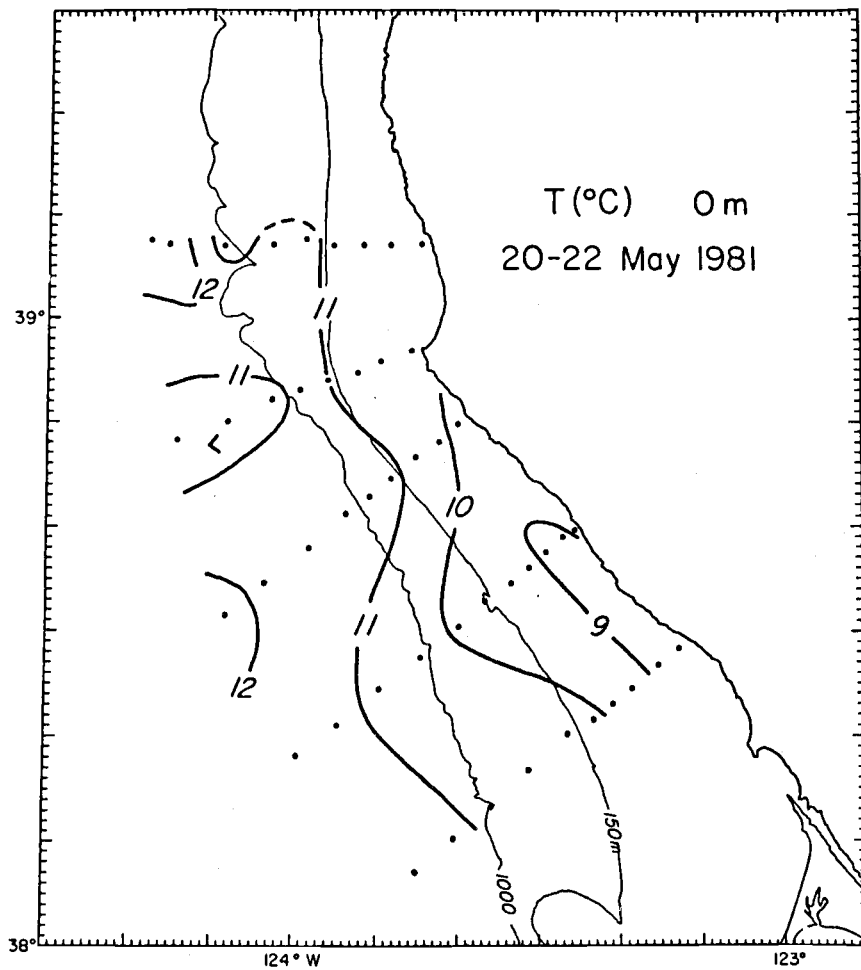


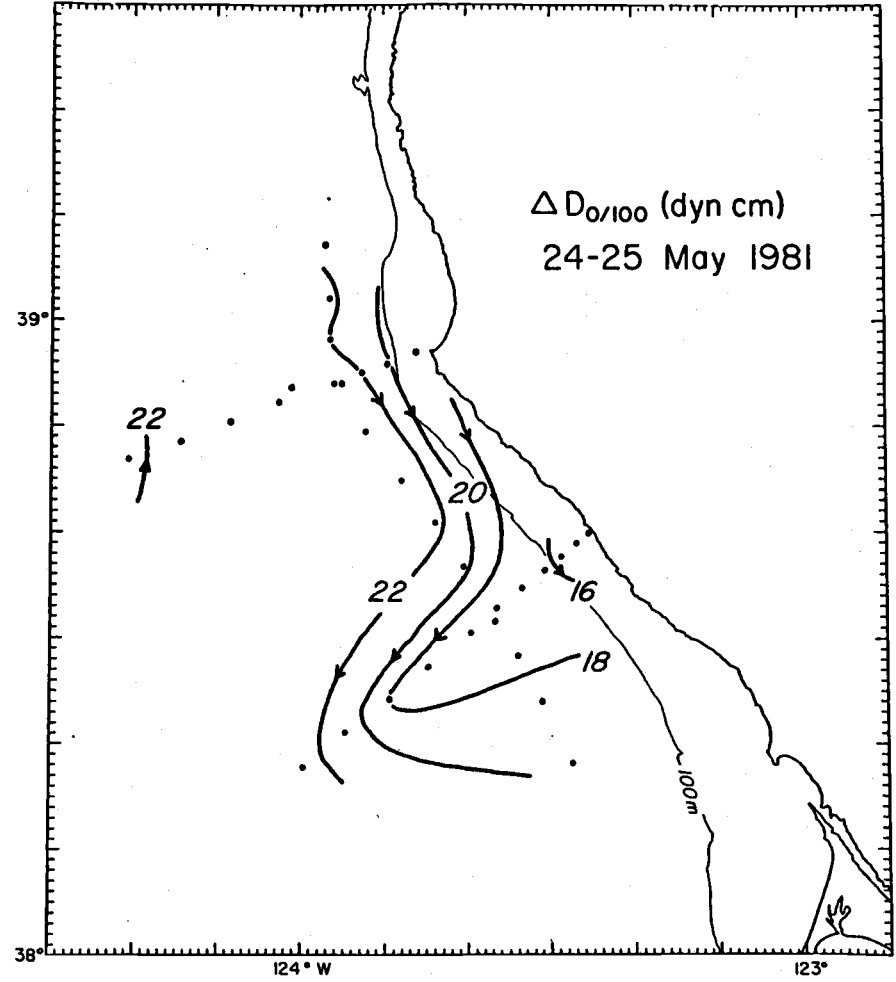
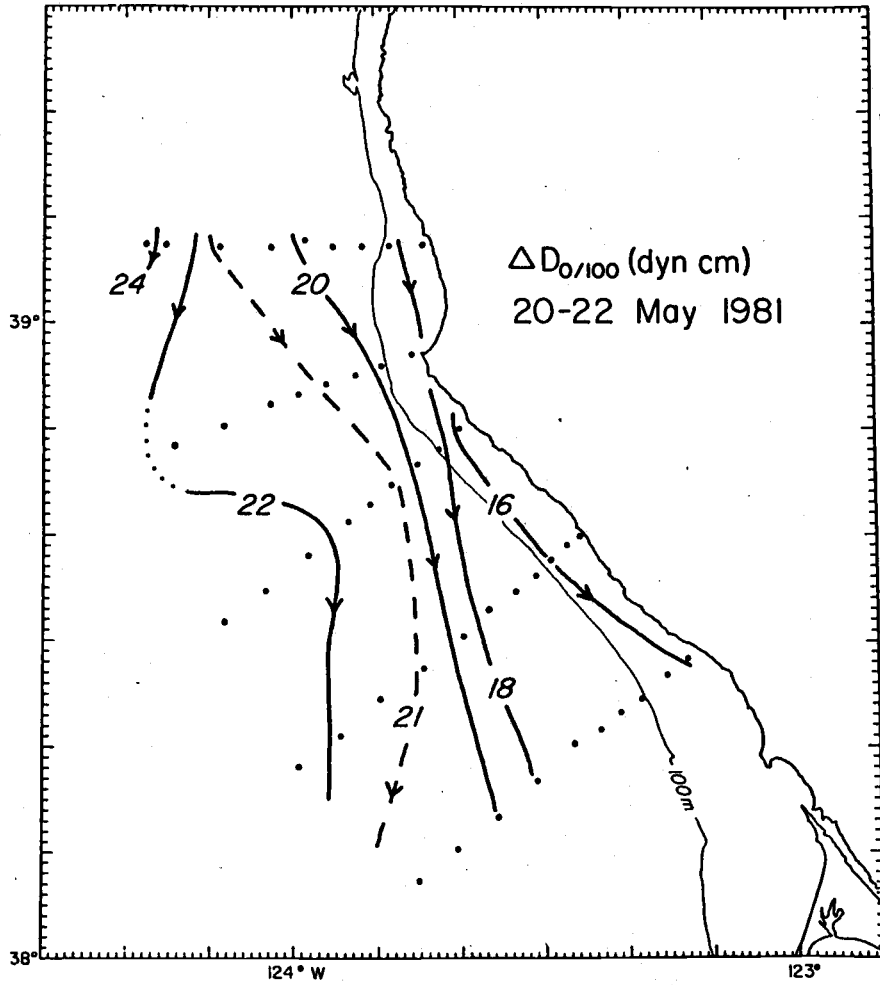


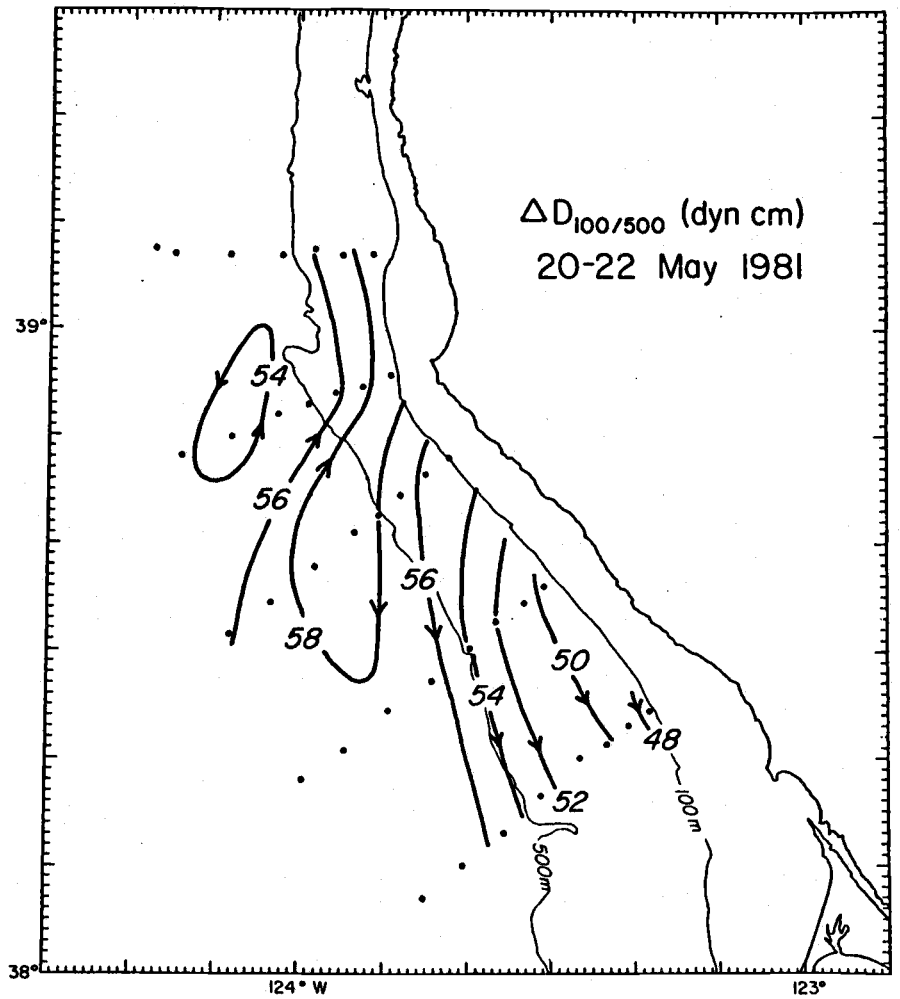
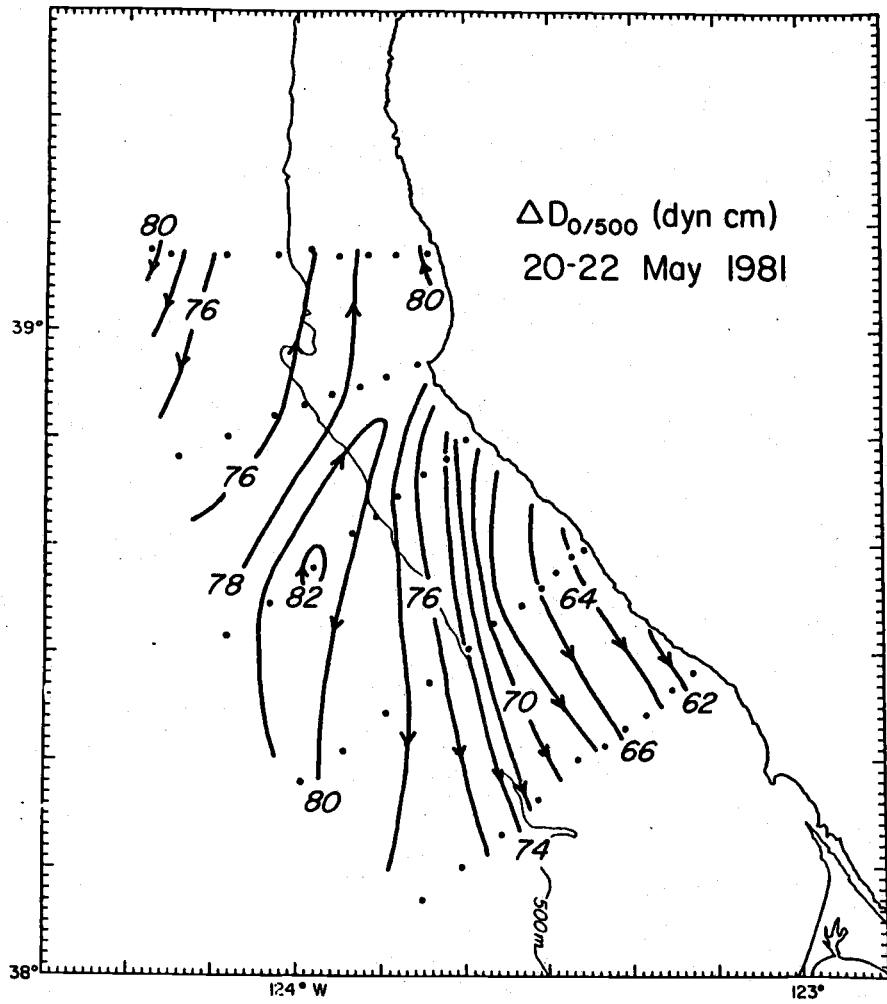
MESOSCALE MAPS

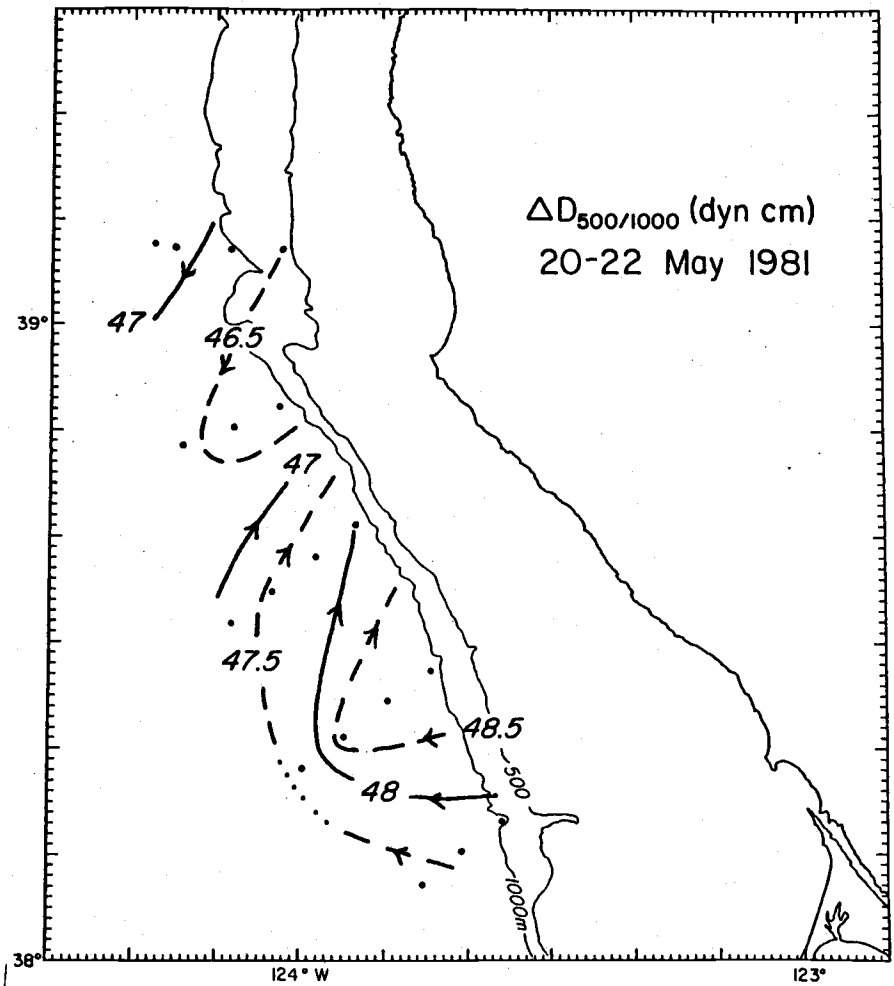
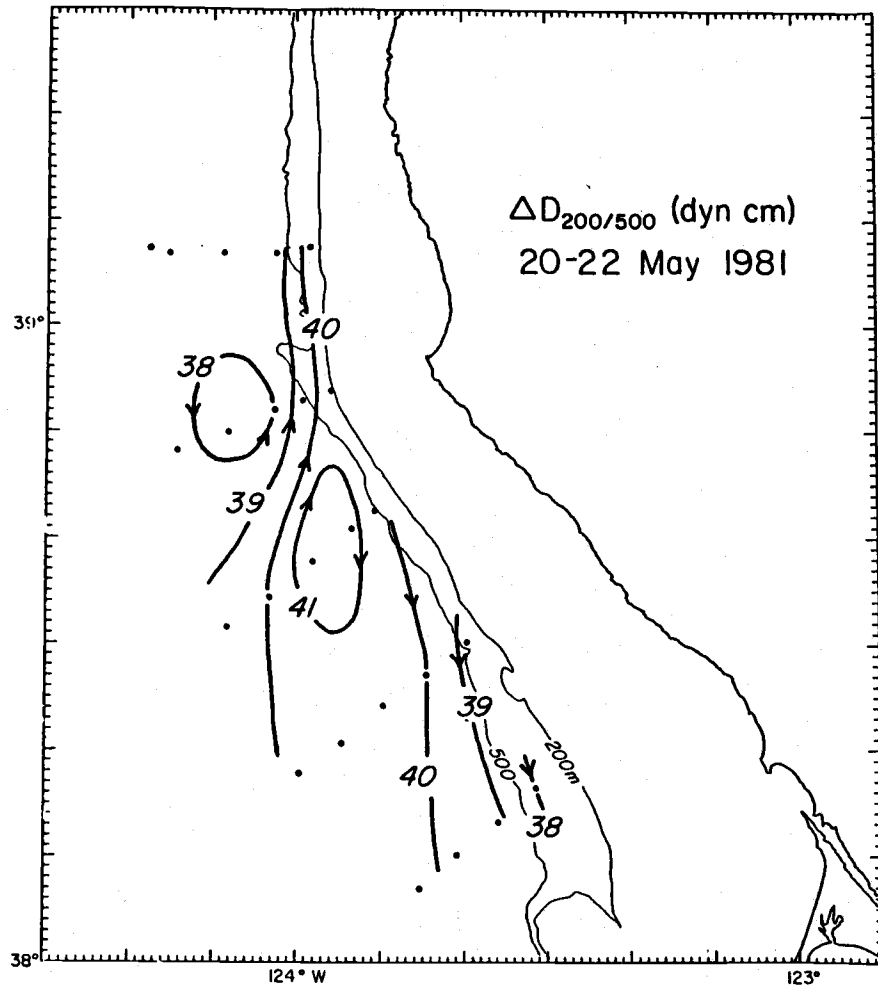






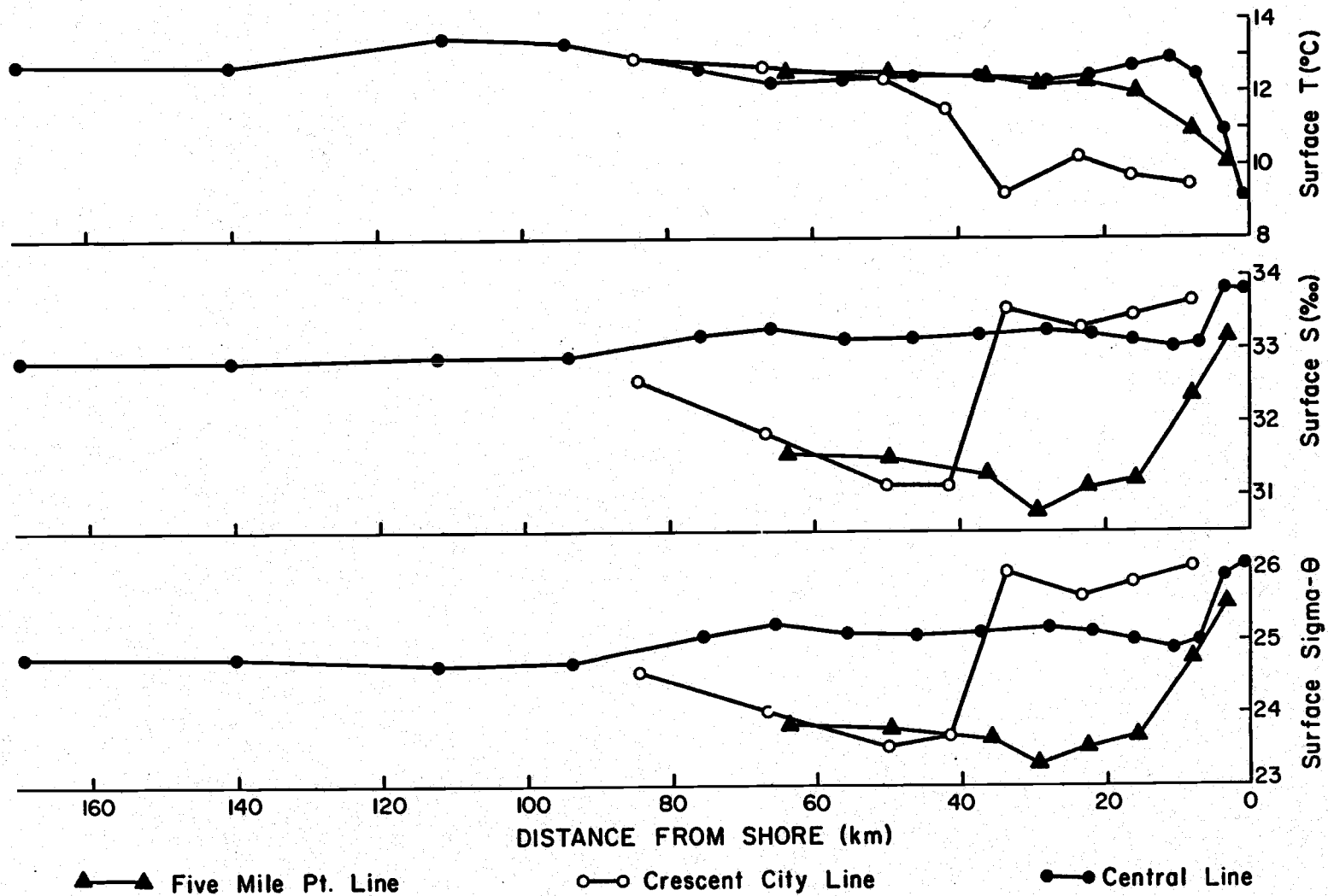




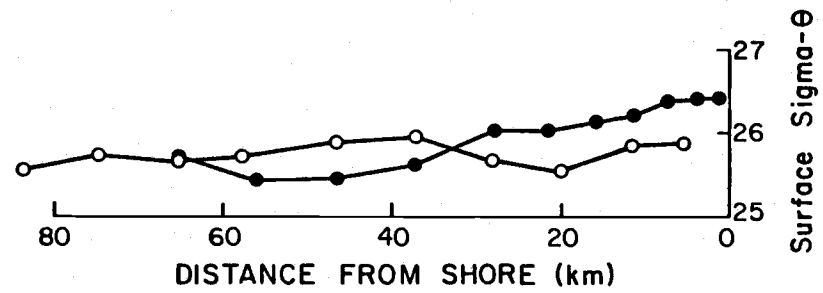
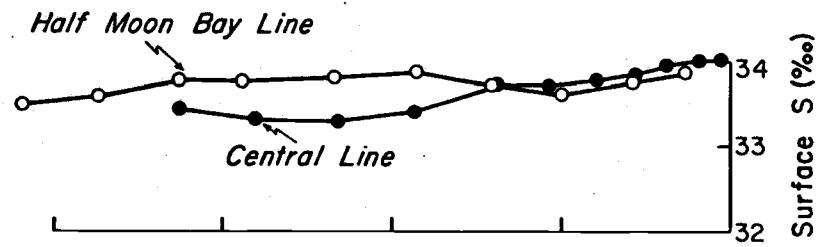
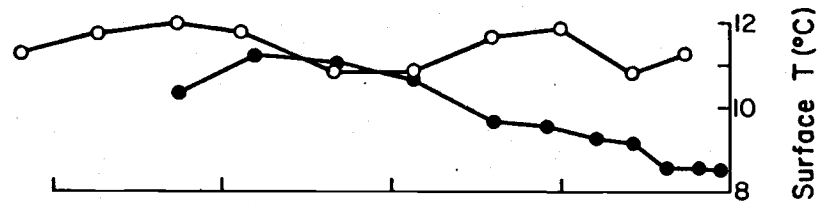


OFFSHORE PROFILES

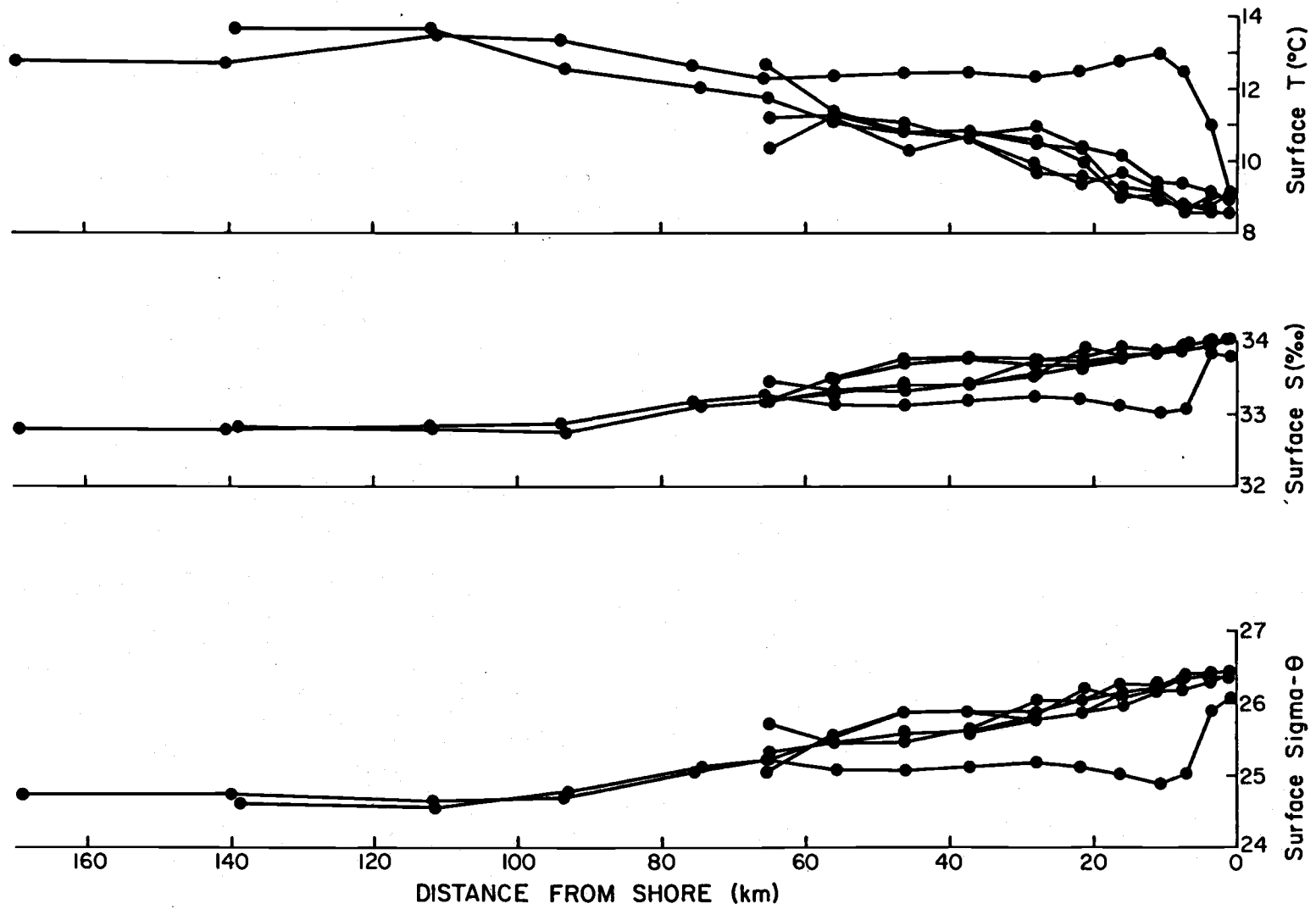
17-19 May 1981

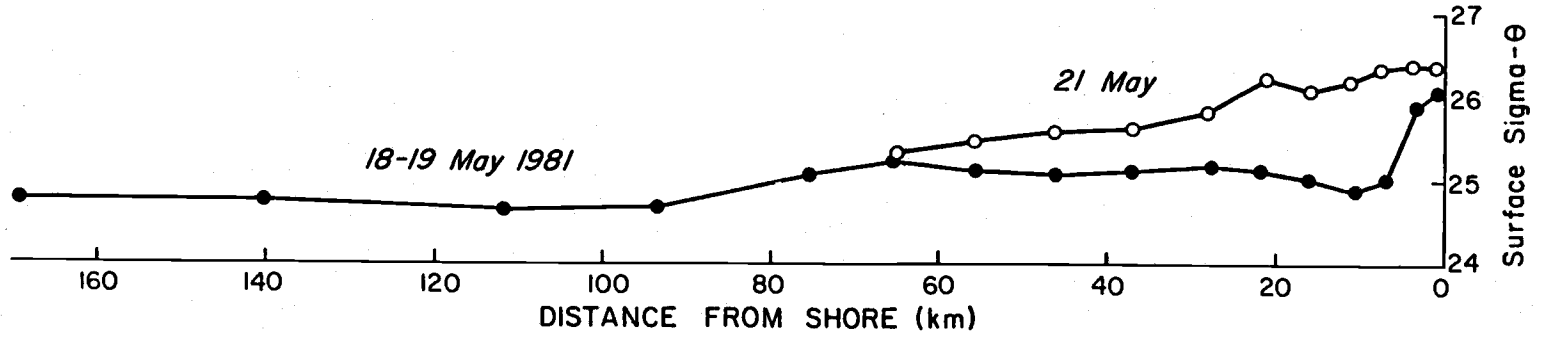
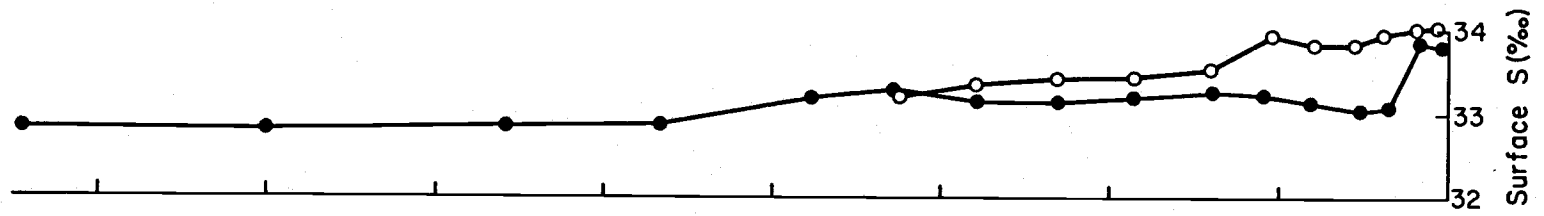
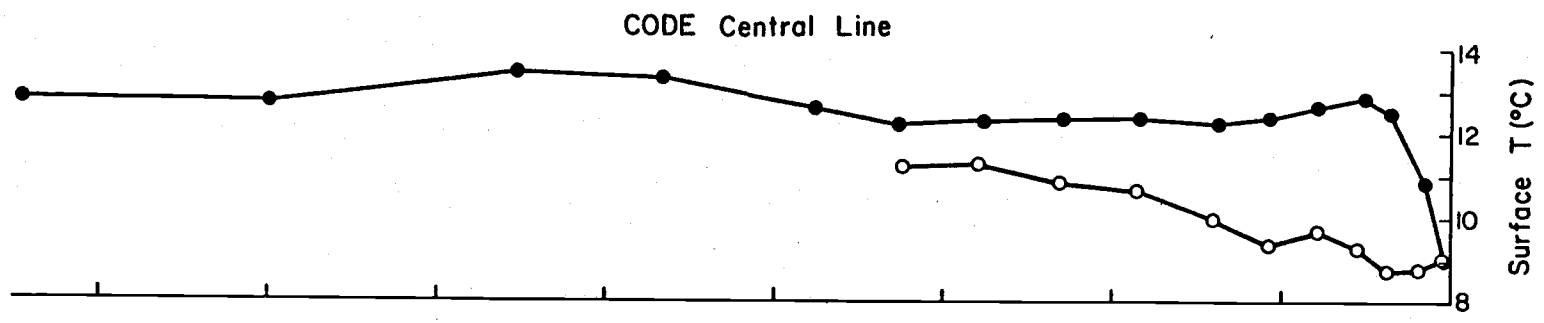


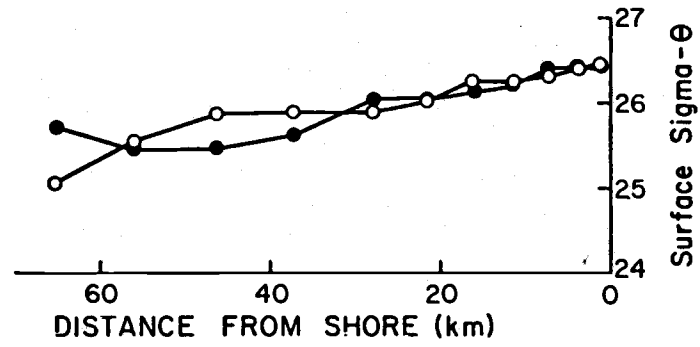
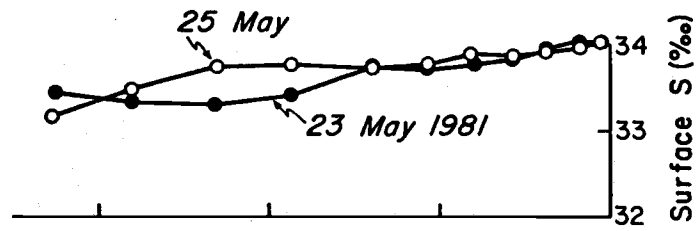
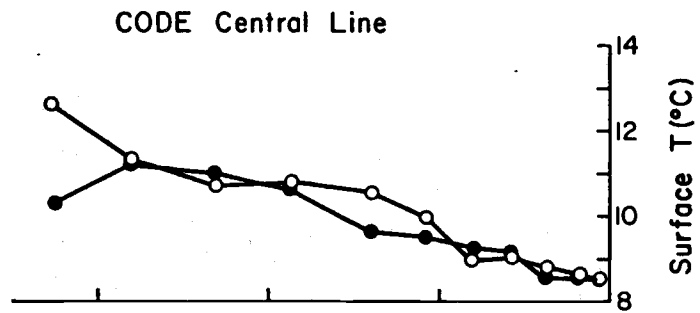
22-23 May 1981

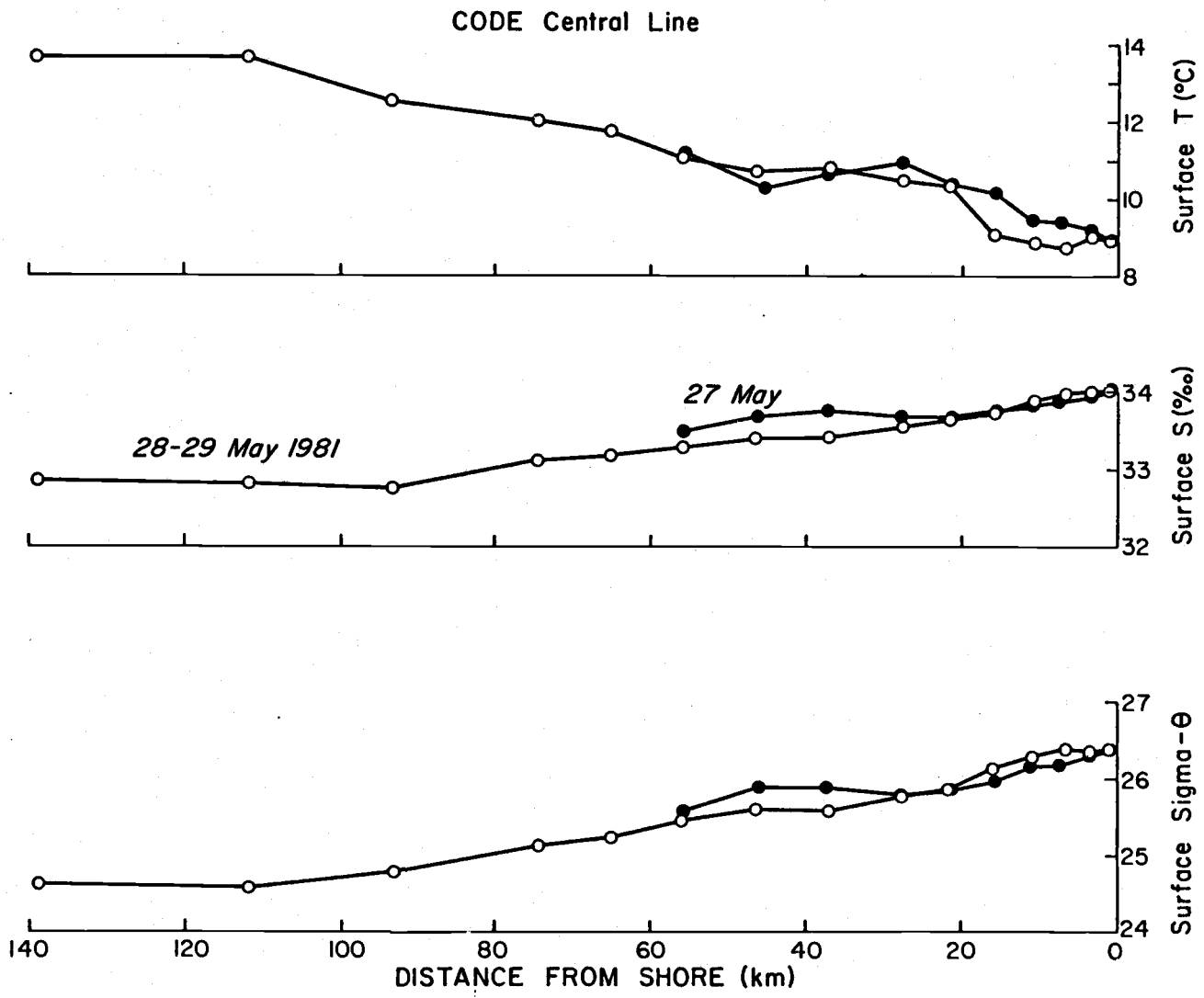


CODE Central Line, 18-29 May 1981

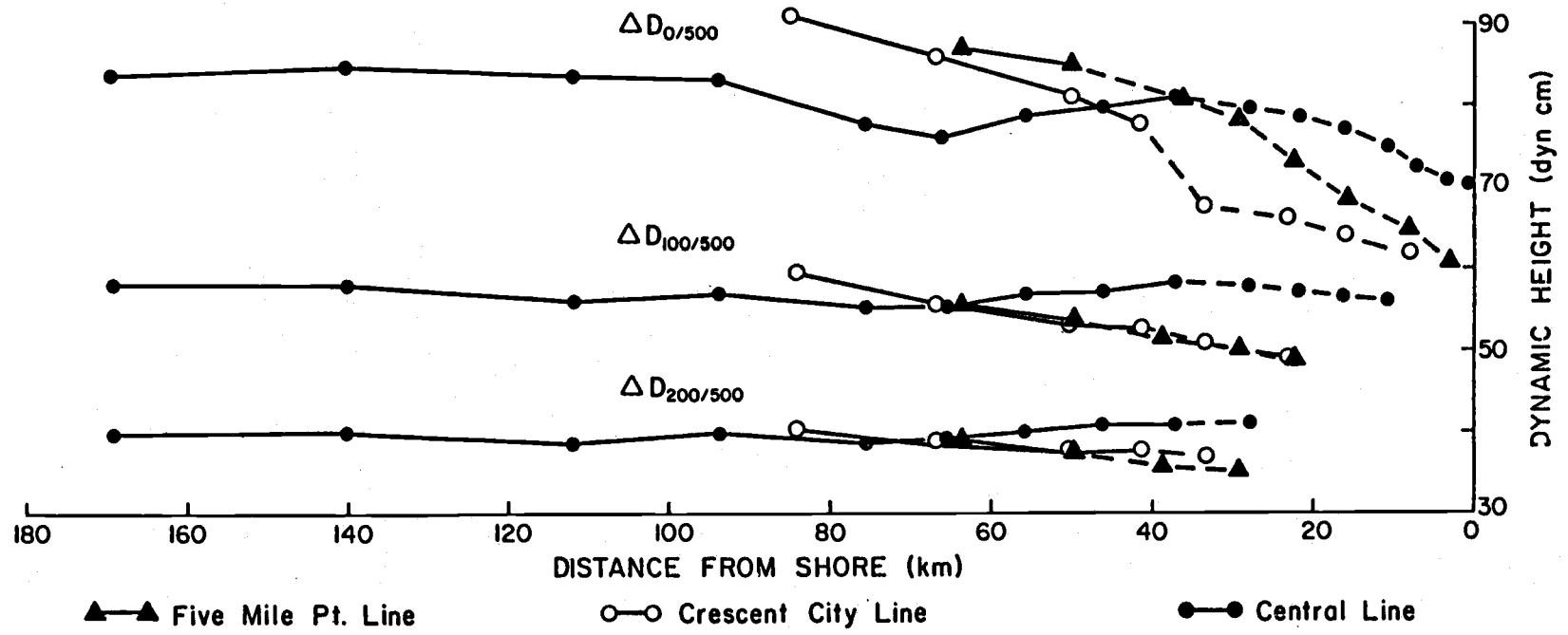




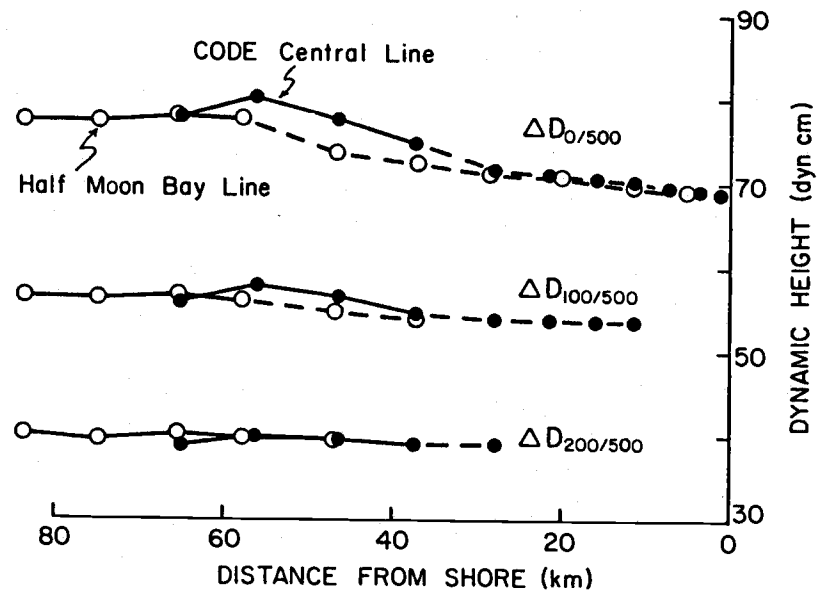




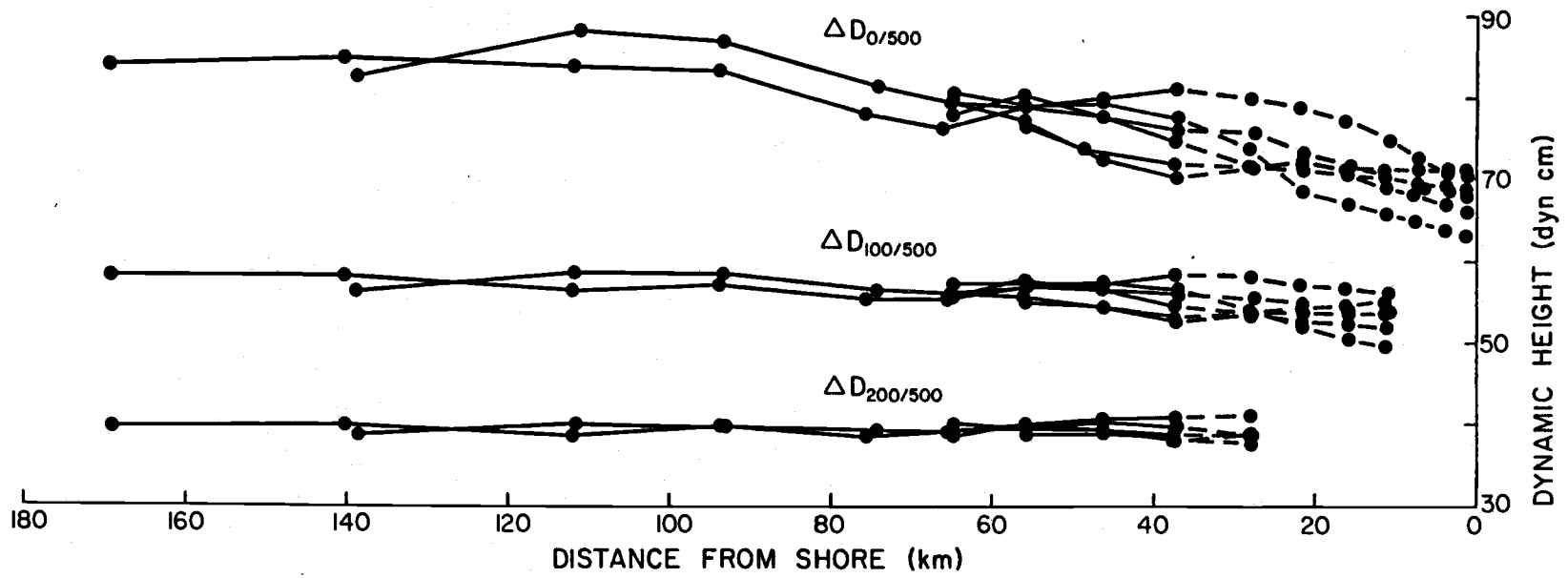
17-19 May 1981

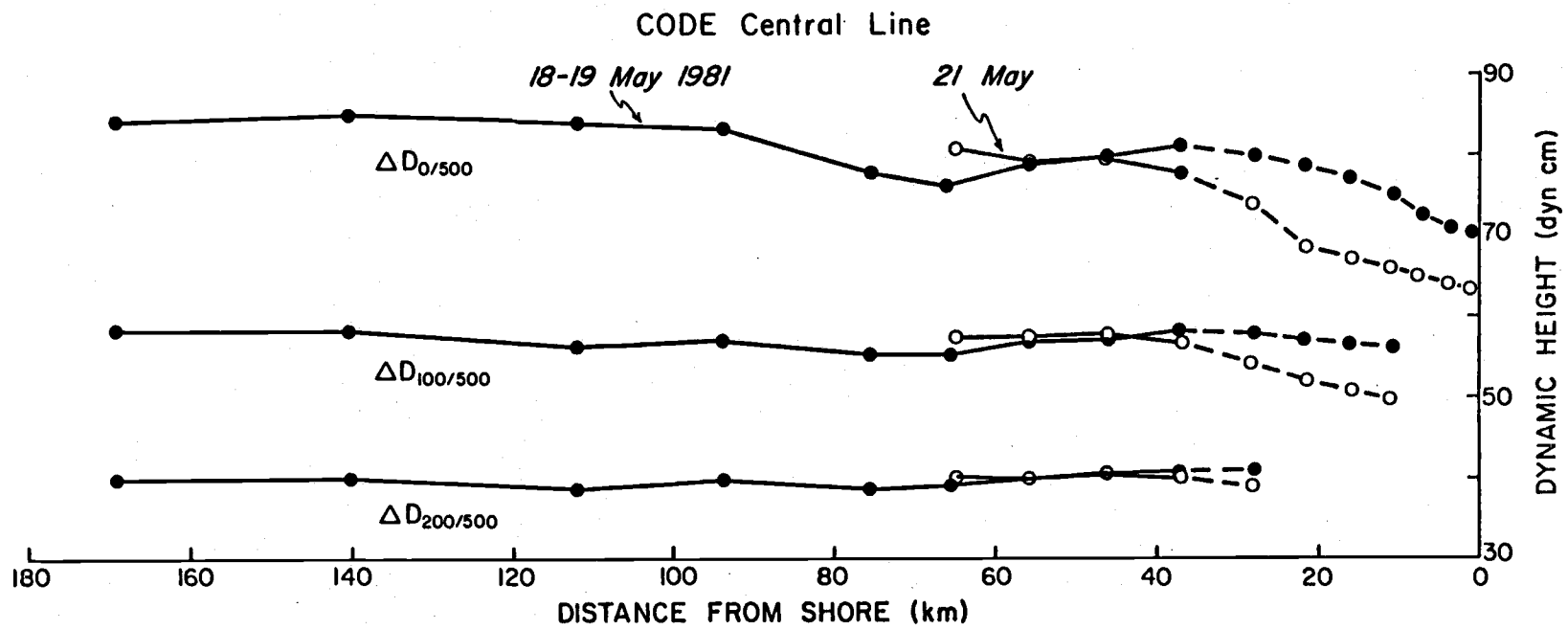


22-23 May 1981

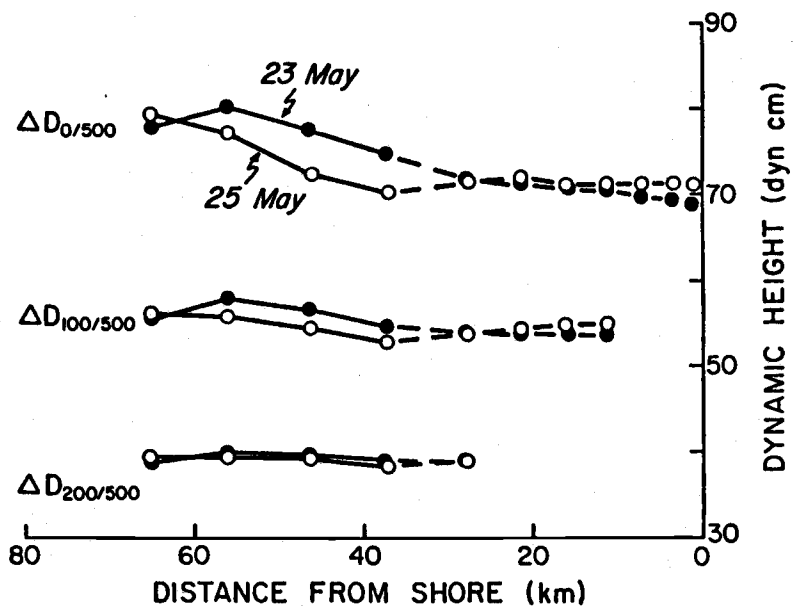


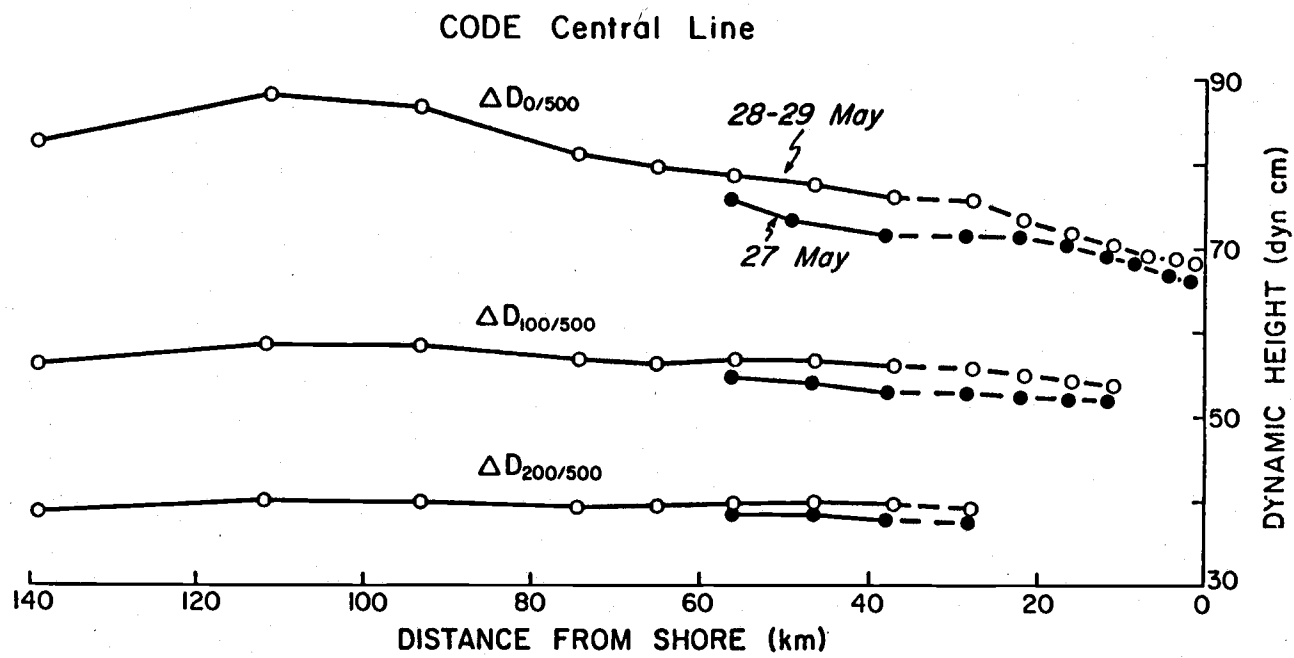
CODE Central Line, 18-29 May 1981



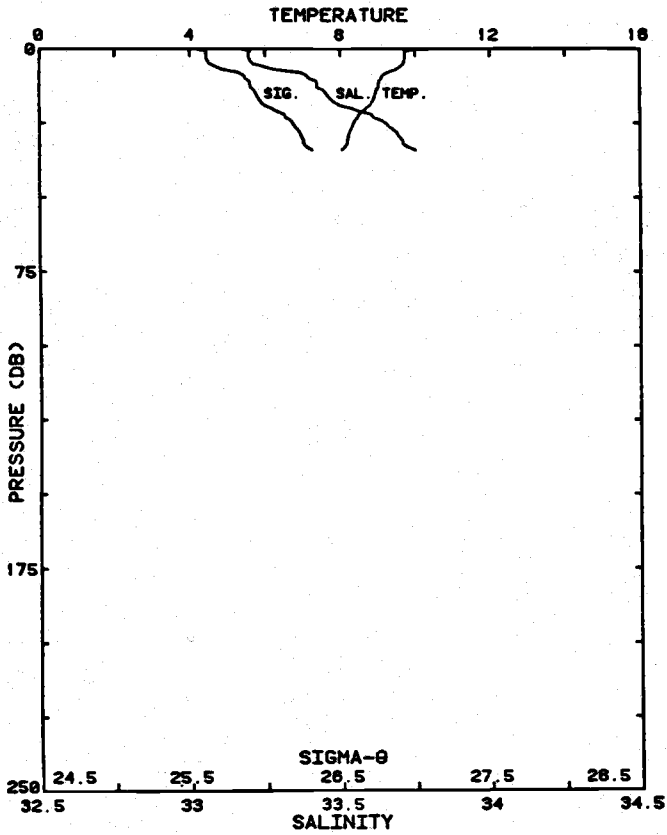


CODE Central Line





VERTICAL PROFILES AND LISTINGS



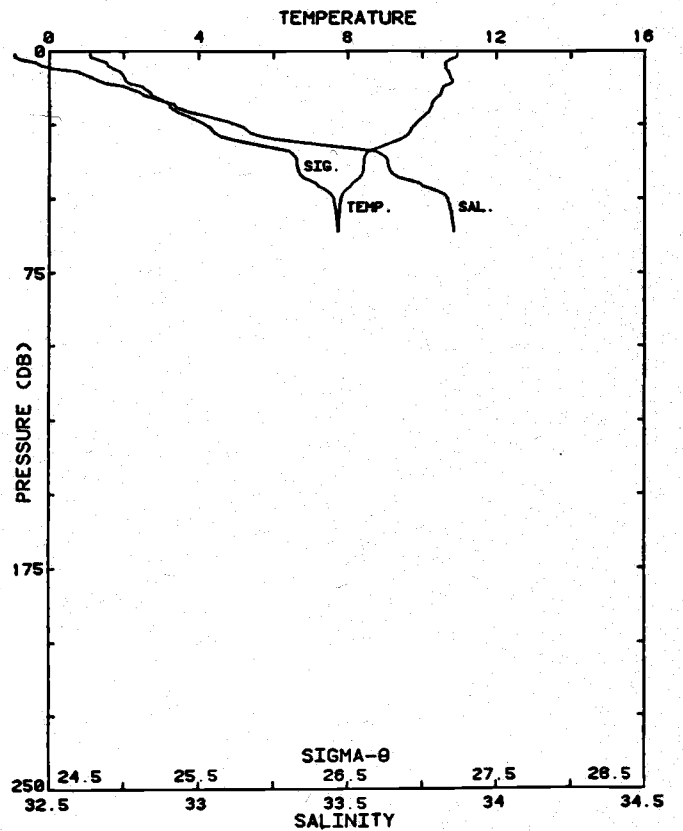
STATION 1 FM 1

STA NO 1 FM 1 LAT: 43 13.1 N LONG: 124 25.9 W
 17 MAY 1981 0122 GMT PROBE 2567 DEPTH 38M
 3.1 KM FROM SHORE

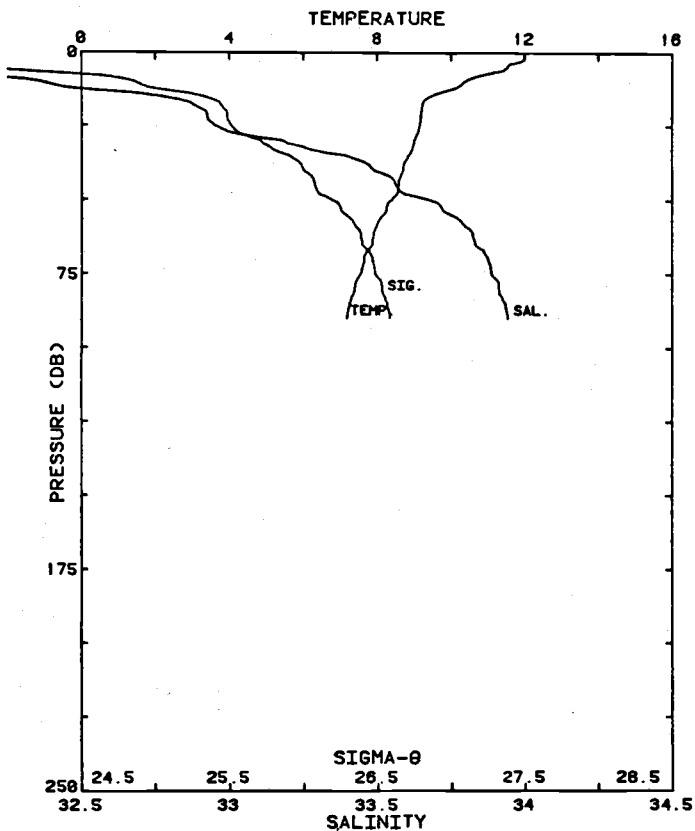
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	10.052	33.168	10.052	25.534	245.9	0.000
10	9.089	33.396	9.088	25.869	214.2	0.023
20	8.679	33.536	8.677	26.044	197.8	0.044
30	8.197	33.701	8.194	26.246	178.7	0.062
34	8.038	33.751	8.035	26.309	172.9	0.070

STA NO 2 FM 3 LAT: 43 12.9 N LONG: 124 29.5 W
 17 MAY 1981 0209 GMT PROBE 2567 DEPTH 65M
 8.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.945	32.386	10.945	24.773	318.4	0.003
10	10.812	32.663	10.810	25.012	295.3	0.031
20	10.208	32.948	10.206	25.337	265.0	0.059
30	9.401	33.260	9.398	25.714	229.4	0.083
40	8.409	33.640	8.404	26.167	186.5	0.103
50	7.820	33.835	7.815	26.407	163.3	0.121
60	7.742	33.856	7.736	26.435	161.3	0.137
61	7.740	33.856	7.735	26.436	161.3	0.138



STATION 2 FM 3



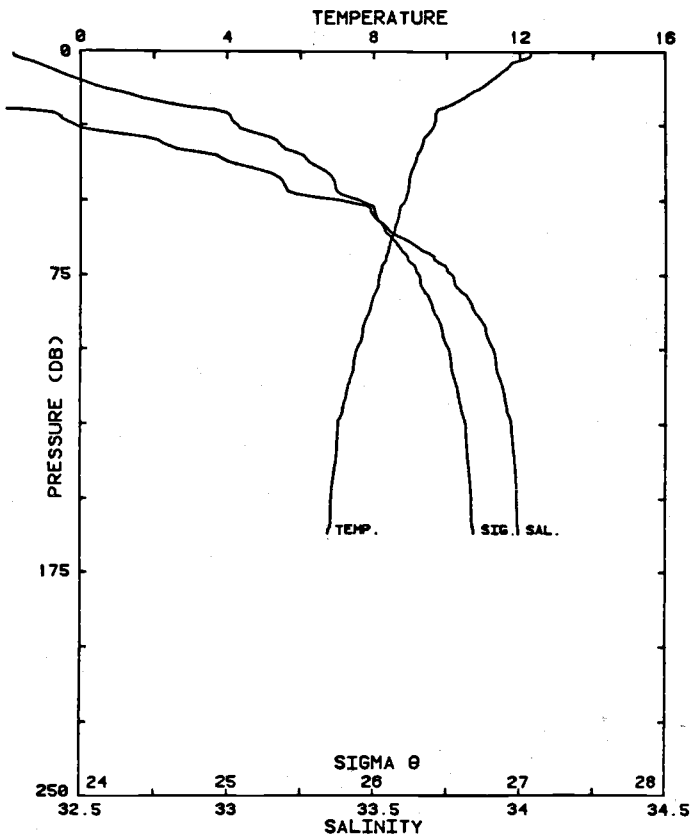
STATION 3 FM4

STA NO 3 FM 4 LAT: 43 13.0 N LONG:124 35.0 W
 17 MAY 1981 0301 GMT PROBE 2567 DEPTH 93M
 15.6 KM FROM SHORE

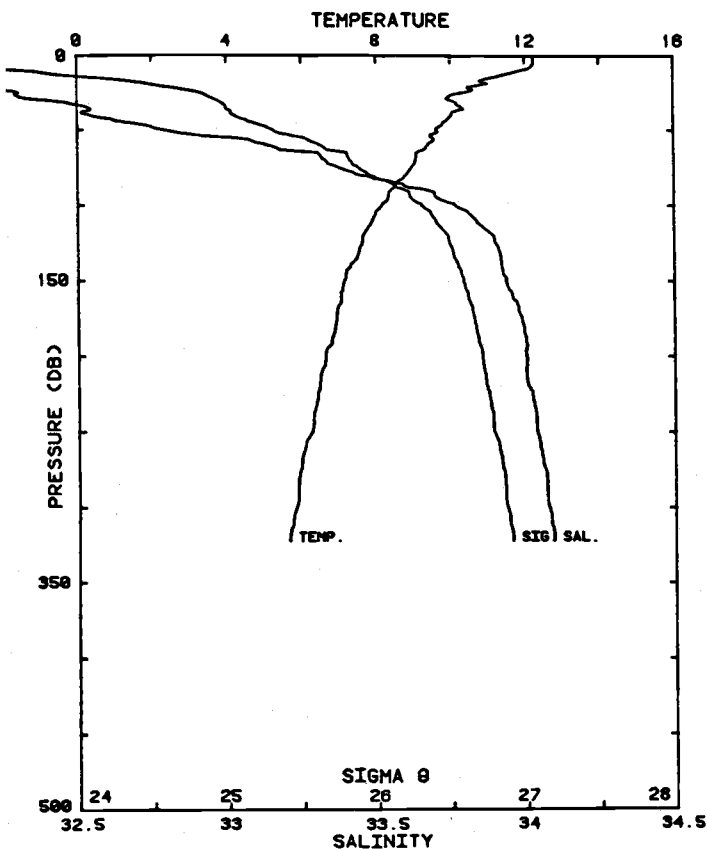
PRESS	TEMP	SAL	POTEN : TEMP	SIGMA THETA	SVA	DELD
1	12.004	31.224	12.004	23.682	422.3	0.004
10	10.346	32.359	10.344	24.856	310.6	0.038
20	9.195	32.922	9.193	25.483	251.1	0.066
30	9.003	33.181	9.000	25.716	229.2	0.090
40	8.695	33.491	8.691	26.006	201.8	0.112
50	8.387	33.676	8.382	26.198	183.7	0.131
60	7.930	33.815	7.924	26.376	167.0	0.149
70	7.635	33.877	7.628	26.467	158.5	0.165
80	7.380	33.913	7.373	26.532	152.4	0.181
90	7.166	33.943	7.157	26.586	147.4	0.195

STA NO 4 FM 5 LAT: 43 13.0 N LONG:124 40.0 W
 17 MAY 1981 0342 GMT PROBE 2567 DEPTH 166M
 22.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.310	31.124	12.310	23.548	435.1	0.004
10	11.211	31.447	11.210	23.998	392.4	0.042
20	9.753	32.304	9.751	24.912	305.5	0.077
30	9.350	32.762	9.347	25.334	265.5	0.106
40	9.034	33.114	9.030	25.659	234.8	0.131
50	8.857	33.385	8.852	25.898	212.2	0.154
60	8.561	33.551	8.555	26.074	195.7	0.174
70	8.315	33.706	8.308	26.233	180.8	0.193
80	8.062	33.793	8.054	26.339	170.8	0.210
90	7.769	33.866	7.760	26.440	161.4	0.227
100	7.516	33.909	7.506	26.510	154.9	0.243
110	7.351	33.931	7.340	26.551	151.1	0.258
120	7.144	33.957	7.133	26.600	146.6	0.273
130	6.999	33.975	6.987	26.634	143.5	0.287
140	6.923	33.985	6.911	26.653	141.9	0.302
150	6.833	33.990	6.819	26.669	140.4	0.316
162	6.742	33.994	6.728	26.685	139.1	0.333



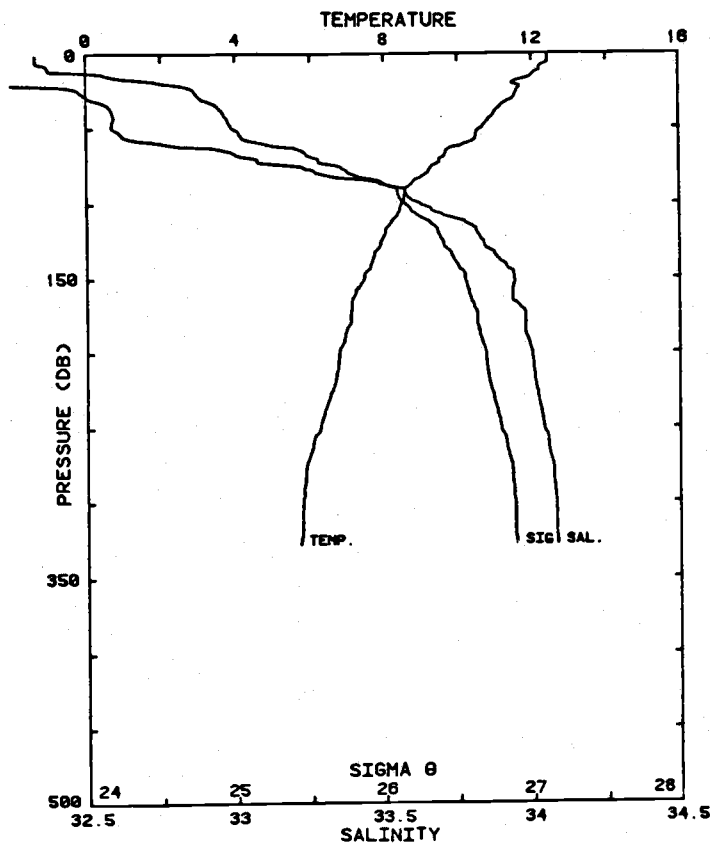
STATION 4 FM 5



STATION 5 FM 6

STA NO 5 FM 6 LAT: 43 13.0 N LONG:124 45.0 W
 17 MAY 1981 0429 GMT PROBE 2567 DEPTH 325M
 29.2 KM FROM SHORE

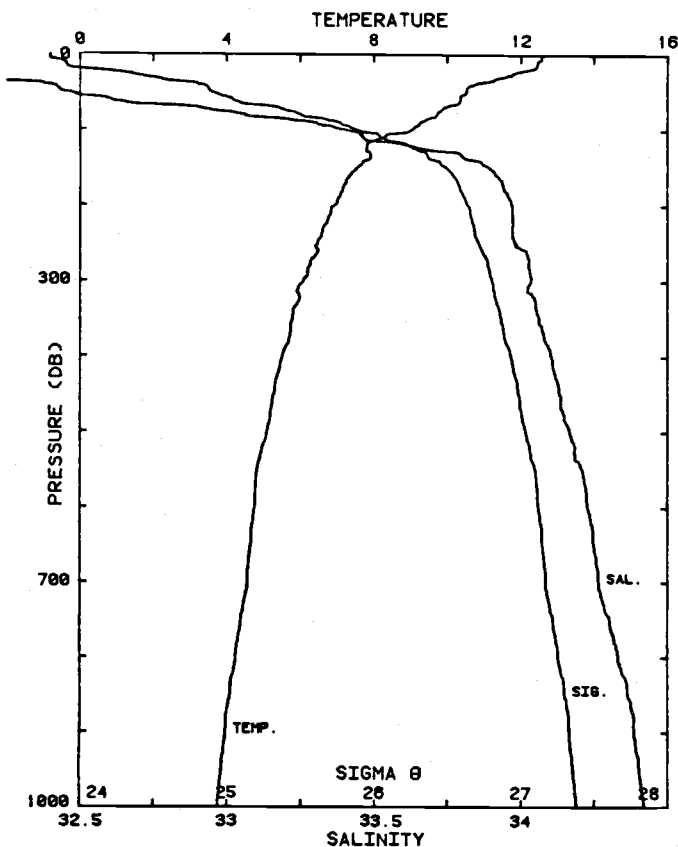
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.247	30.789	12.247	23.302	458.6	0.005
10	11.865	31.075	11.864	23.592	431.0	0.045
20	10.734	31.998	10.731	24.509	343.9	0.084
30	9.943	32.367	9.940	24.930	304.0	0.116
40	10.042	32.537	10.037	25.045	293.2	0.146
50	9.603	32.785	9.597	25.311	268.1	0.174
60	9.378	33.137	9.372	25.622	238.7	0.199
70	9.050	33.329	9.042	25.824	219.6	0.222
80	8.799	33.443	8.790	25.953	207.6	0.243
90	8.382	33.670	8.373	26.195	184.7	0.263
100	8.139	33.764	8.129	26.305	174.4	0.281
110	7.871	33.837	7.860	26.402	165.4	0.298
120	7.620	33.895	7.608	26.484	157.7	0.314
130	7.518	33.912	7.506	26.513	155.1	0.329
140	7.280	33.920	7.267	26.552	151.5	0.345
150	7.120	33.935	7.106	26.586	148.4	0.360
175	6.909	33.988	6.893	26.658	142.0	0.396
200	6.605	34.001	6.587	26.709	137.3	0.431
225	6.396	34.021	6.377	26.752	133.5	0.465
250	6.252	34.036	6.230	26.783	130.9	0.498
300	5.815	34.075	5.790	26.870	123.1	0.561
322	5.637	34.093	5.610	26.906	119.8	0.587



STATION 6 FM 7

STA NO 6 FM 7 LAT: 43 13.0 N LONG:124 50.0 W
 17 MAY 1981 0521 GMT PROBE 2567 DEPTH 332M
 36.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.436	31.305	12.435	23.665	423.9	0.004
10	12.201	31.355	12.200	23.748	416.3	0.042
20	11.486	32.159	11.483	24.501	344.7	0.080
30	11.524	32.507	11.520	24.764	319.8	0.113
40	11.001	32.589	10.997	24.921	305.1	0.144
50	10.661	32.585	10.655	24.978	299.9	0.174
60	10.286	32.749	10.279	25.170	281.8	0.204
70	9.549	33.053	9.542	25.529	247.7	0.230
80	9.176	33.271	9.168	25.760	226.0	0.253
90	8.579	33.566	8.570	26.083	195.4	0.274
100	8.471	33.623	8.461	26.144	189.7	0.294
110	8.274	33.734	8.263	26.261	178.8	0.312
120	8.011	33.815	7.999	26.364	169.2	0.329
130	7.842	33.844	7.829	26.413	164.7	0.346
140	7.639	33.905	7.626	26.489	157.6	0.362
150	7.440	33.939	7.425	26.545	152.4	0.378
175	7.080	33.975	7.063	26.624	145.2	0.415
200	6.766	33.997	6.748	26.694	139.7	0.451
225	6.567	34.012	6.547	26.723	136.4	0.485
250	6.231	34.036	6.209	26.786	130.6	0.519
300	5.748	34.077	5.723	26.879	122.1	0.581
328	5.698	34.082	5.671	26.890	121.5	0.615



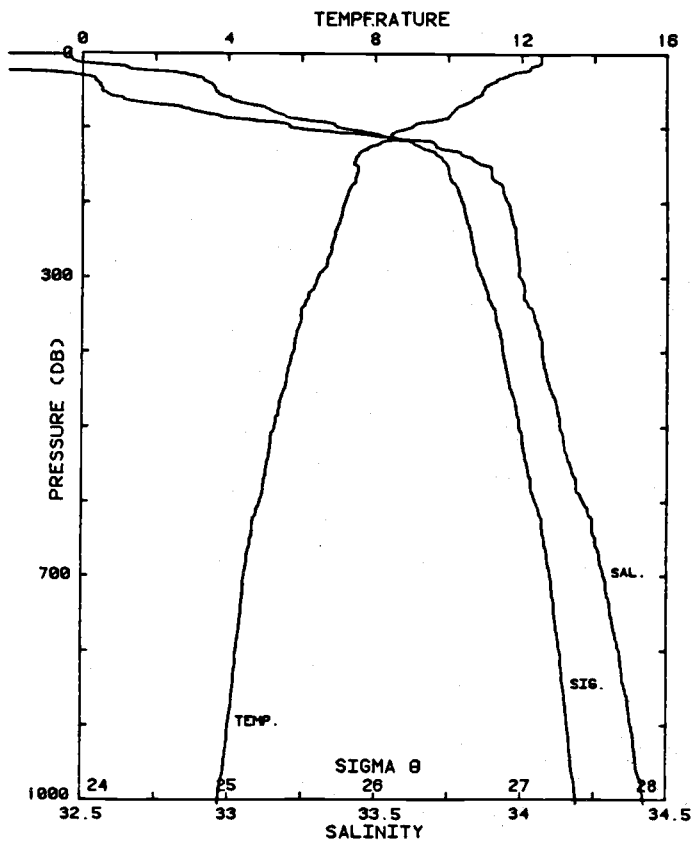
STATION 7 FM 8

STA NO 7 FM 8 LAT: 43 13.0 N LONG:125 0.0 W
 17 MAY 1981 0626 GMT PROBE 2567 DEPTH 1080M
 49.6 KM FROM SHORE

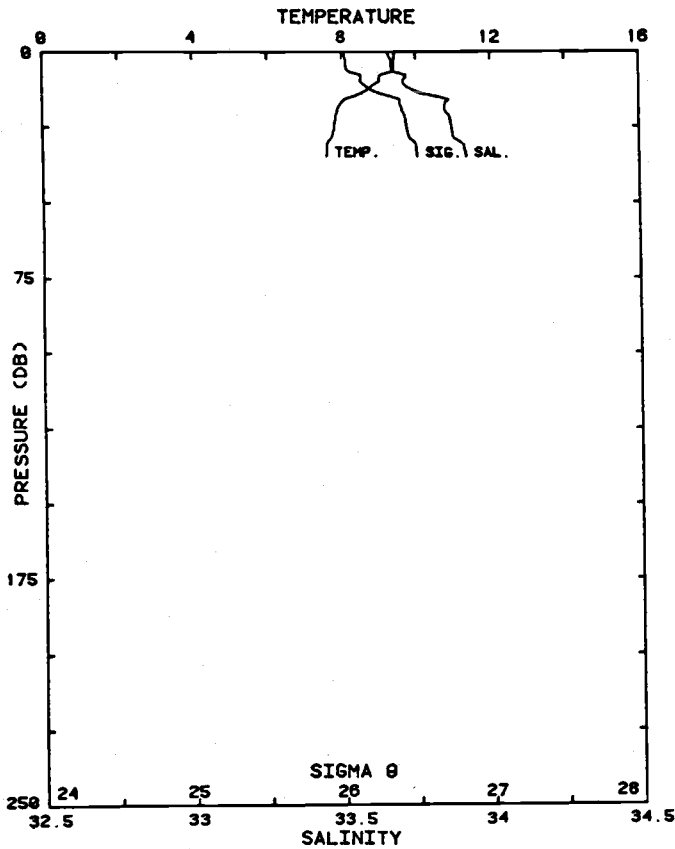
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.572	31.512	12.572	23.798	411.2	0.004
10	12.472	31.605	12.470	23.889	402.7	0.041
20	12.199	31.724	12.197	24.033	389.2	0.081
30	11.477	32.105	11.473	24.461	348.7	0.117
40	10.718	32.382	10.713	24.810	315.6	0.151
50	10.517	32.456	10.511	24.902	307.0	0.182
60	10.353	32.604	10.346	25.046	293.6	0.212
70	9.919	32.897	9.911	25.347	265.1	0.240
80	9.708	33.063	9.699	25.511	249.7	0.266
90	9.272	33.294	9.263	25.762	226.0	0.290
100	9.027	33.400	9.016	25.884	214.6	0.312
110	8.277	33.459	8.266	26.046	199.2	0.332
120	7.809	33.613	7.797	26.236	181.3	0.351
130	7.892	33.787	7.880	26.360	169.7	0.369
140	7.772	33.843	7.758	26.421	164.0	0.385
150	7.530	33.896	7.515	26.498	156.9	0.401
175	7.172	33.941	7.156	26.585	149.0	0.439
200	6.933	33.970	6.915	26.641	144.0	0.476
225	6.683	33.973	6.663	26.677	140.8	0.512
250	6.464	33.982	6.442	26.713	137.6	0.547
300	6.072	34.035	6.047	26.806	129.3	0.613
400	5.491	34.105	5.458	26.934	118.1	0.737
500	5.076	34.167	5.036	27.033	109.5	0.851
600	4.750	34.230	4.703	27.120	102.1	0.956
800	4.244	34.333	4.183	27.259	90.3	1.149
1000	3.745	34.420	3.671	27.381	79.6	1.317
1001	3.745	34.421	3.671	27.381	79.6	1.318

STA NO 8 FM 9 LAT: 43 13.1 N LONG:124 10.1 W
 17 MAY 1981 0801 GMT PROBE 2567 DEPTH 1631M
 63.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.524	28.747	12.524	21.674	614.3	0.006
10	12.537	31.681	12.536	23.936	398.3	0.043
20	12.227	32.093	12.224	24.314	362.5	0.081
30	11.575	32.499	11.572	24.749	321.3	0.115
40	11.148	32.555	11.143	24.869	310.0	0.147
50	10.951	32.565	10.945	24.912	306.2	0.178
60	10.683	32.636	10.676	25.014	296.6	0.208
70	10.355	32.771	10.347	25.176	281.5	0.237
80	10.104	32.905	10.095	25.323	267.7	0.264
90	9.715	33.074	9.705	25.519	249.2	0.290
100	8.992	33.207	8.981	25.739	228.3	0.314
110	8.451	33.470	8.440	26.028	200.9	0.335
120	8.155	33.699	8.143	26.253	179.8	0.354
130	7.703	33.752	7.691	26.361	169.6	0.372
140	7.476	33.829	7.463	26.453	160.9	0.389
150	7.448	33.871	7.433	26.490	157.6	0.404
175	7.393	33.931	7.376	26.546	152.7	0.443
200	7.163	33.954	7.145	26.596	148.3	0.481
225	7.032	33.970	7.011	26.627	145.7	0.518
250	6.858	33.981	6.835	26.660	142.9	0.554
300	6.427	33.994	6.401	26.728	136.9	0.624
400	5.763	34.070	5.729	26.873	124.1	0.753
500	5.246	34.132	5.205	26.985	114.2	0.872
600	4.857	34.209	4.810	27.092	104.8	0.982
800	4.215	34.337	4.154	27.265	89.6	1.174
1000	3.746	34.423	3.672	27.382	79.5	1.344
1005	3.740	34.424	3.666	27.384	79.4	1.348



STATION 8 FM 9



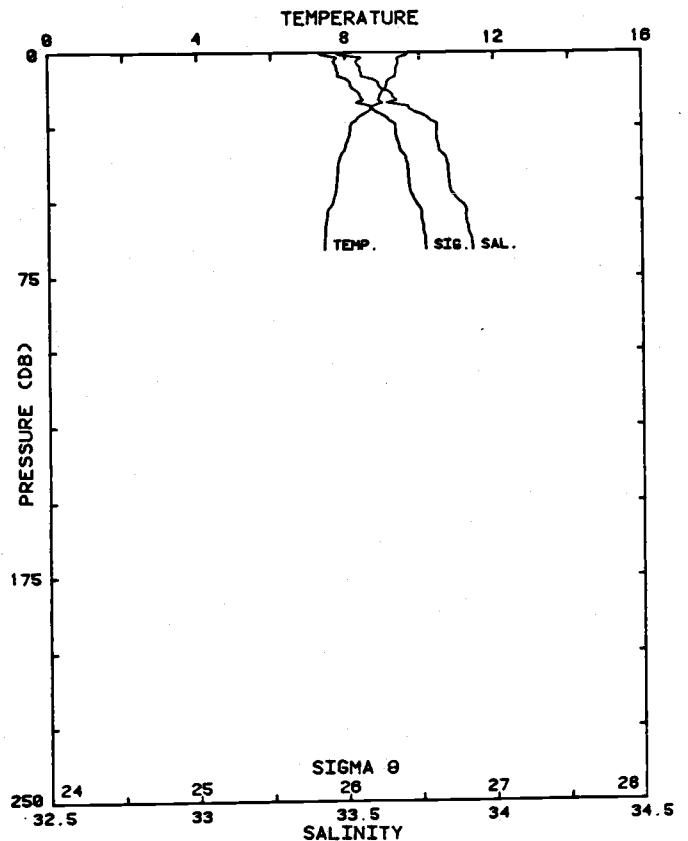
STATION 9 CR 1

STA NO 9 CR 1 LAT: 41 54.0 N LONG: 124 18.0 W
 17 MAY 1981 1647 GHT PROBE 2567 DEPTH 39M
 8.0 KM FROM SHORE

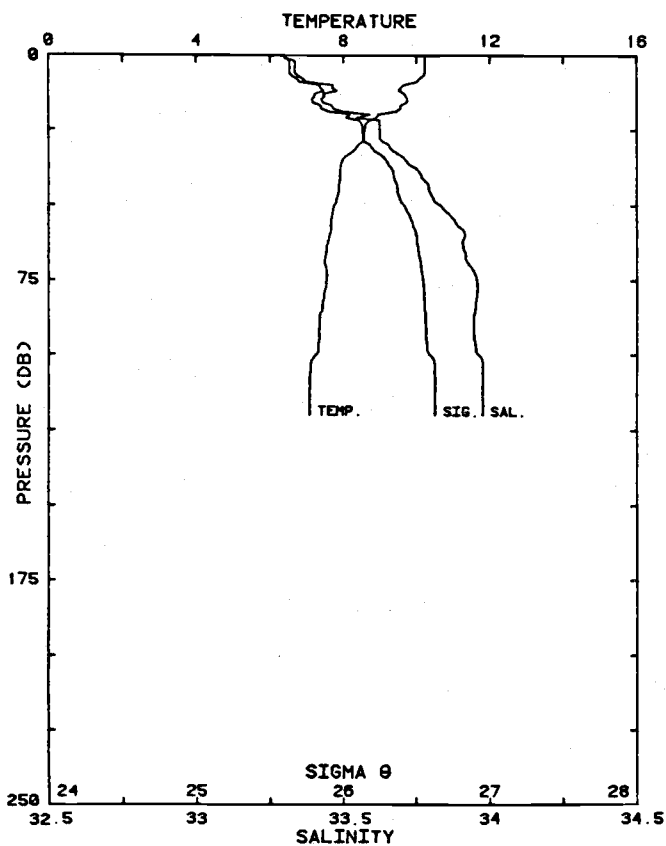
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
0	9.433	33.657	9.433	26.018	199.8	0.000
10	9.033	33.705	9.032	26.120	190.4	0.020
20	7.877	33.849	7.875	26.410	163.0	0.037
30	7.639	33.898	7.636	26.483	156.3	0.053
35	7.578	33.917	7.575	26.507	154.1	0.061

STA NO 10 CR 2 LAT: 41 54.0 N LONG: 124 23.9 W
 17 MAY 1981 1736 GHT PROBE 2567 DEPTH 67M
 16.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
0	9.709	33.471	9.709	25.827	218.0	0.000
10	9.115	33.613	9.114	26.035	198.4	0.021
20	8.618	33.732	8.616	26.206	182.4	0.040
30	8.041	33.809	8.038	26.354	168.5	0.057
40	7.702	33.846	7.778	26.421	162.3	0.074
50	7.659	33.886	7.654	26.471	157.8	0.090
60	7.446	33.915	7.440	26.524	152.8	0.105
66	7.421	33.928	7.414	26.538	151.7	0.114



STATION 10 CR 2



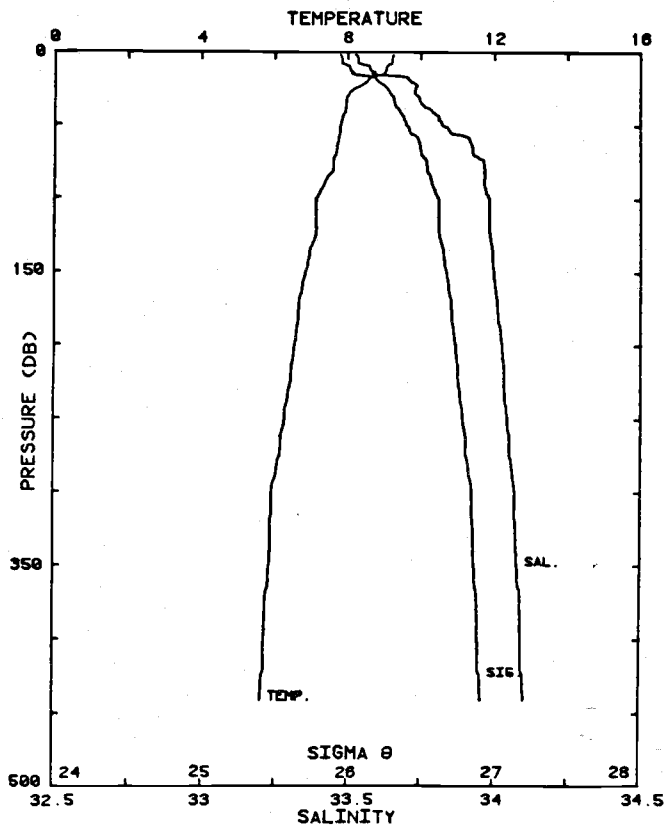
STATION 11 CR 3

STA NO 11 CR 3 LAT: 41 54.0 N LONG:124 29.0 W
 17 MAY 1981 1821 GMT PROBE 2567 DEPTH 122M
 23.2 KM FROM SHORE

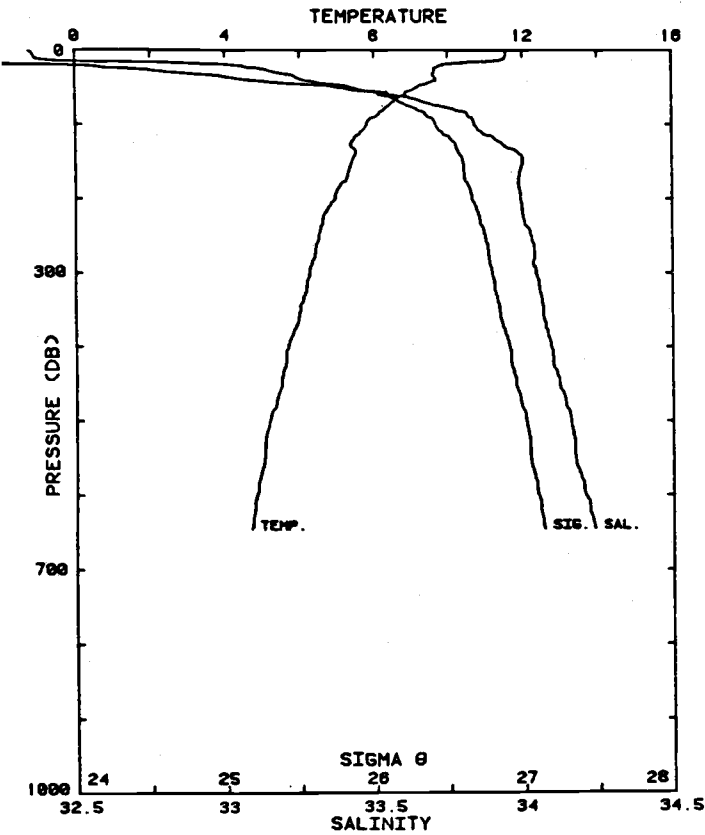
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	10.232	33.298	10.232	25.605	239.2	0.002
10	9.636	33.464	9.635	25.834	217.5	0.023
20	8.958	33.589	8.956	26.042	198.0	0.045
30	8.390	33.654	8.387	26.180	185.0	0.064
40	7.885	33.765	7.881	26.343	169.7	0.082
50	7.738	33.832	7.734	26.417	162.9	0.099
60	7.614	33.913	7.608	26.499	155.3	0.114
70	7.493	33.928	7.486	26.528	152.7	0.130
80	7.463	33.954	7.455	26.552	150.5	0.145
90	7.339	33.943	7.330	26.562	149.7	0.160
100	7.247	33.960	7.238	26.588	147.4	0.175
110	7.069	33.974	7.058	26.624	144.1	0.189
120	7.068	33.973	7.056	26.624	144.3	0.204

STA NO 12 CR 4 LAT: 41 54.0 N LONG:124 36.3 W
 17 MAY 1981 1913 GMT PROBE 2567 DEPTH 458M
 33.5 KM FROM SHORE LIN INT SAL. AT 124-127DB

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
2	9.237	33.526	9.237	25.947	206.6	0.004
10	9.068	33.572	9.067	26.010	200.8	0.021
20	8.530	33.713	8.528	26.205	182.5	0.040
30	8.013	33.735	8.010	26.300	173.6	0.058
40	7.925	33.786	7.921	26.353	168.8	0.075
50	7.803	33.824	7.798	26.401	164.4	0.091
60	7.732	33.917	7.726	26.484	156.7	0.108
70	7.658	33.930	7.652	26.505	154.8	0.123
80	7.589	33.966	7.582	26.544	151.4	0.138
90	7.352	33.965	7.344	26.577	148.3	0.153
100	7.132	33.984	7.122	26.623	144.1	0.168
110	7.126	33.983	7.115	26.623	144.2	0.182
120	7.125	33.983	7.114	26.624	144.4	0.197
130	7.044	33.990	7.032	26.640	142.9	0.211
140	6.933	33.994	6.921	26.658	141.3	0.225
150	6.832	33.999	6.819	26.677	139.7	0.239
175	6.652	34.011	6.636	26.710	136.9	0.274
200	6.539	34.026	6.522	26.737	134.6	0.308
225	6.424	34.032	6.404	26.757	133.1	0.341
250	6.266	34.042	6.244	26.786	130.6	0.374
300	5.928	34.069	5.902	26.851	125.0	0.438
400	5.720	34.092	5.686	26.896	121.9	0.562
441	5.620	34.103	5.584	26.917	120.3	0.612



STATION 12 CR 4



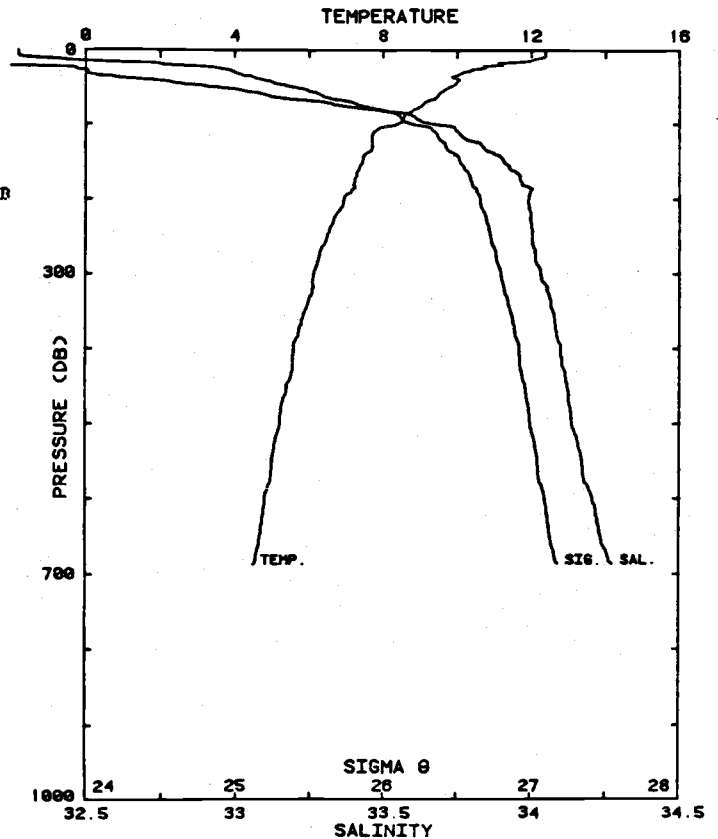
STATION 13 CR 5

STA NO 13 CR 5 LAT: 41 53.9 N LONG:124 42.0 W
 17 MAY 1981 2017 GMT PROBE 2567 DEPTH 658M
 41.5 KM FROM SHORE LIN INT SAL. AT 283-285DB

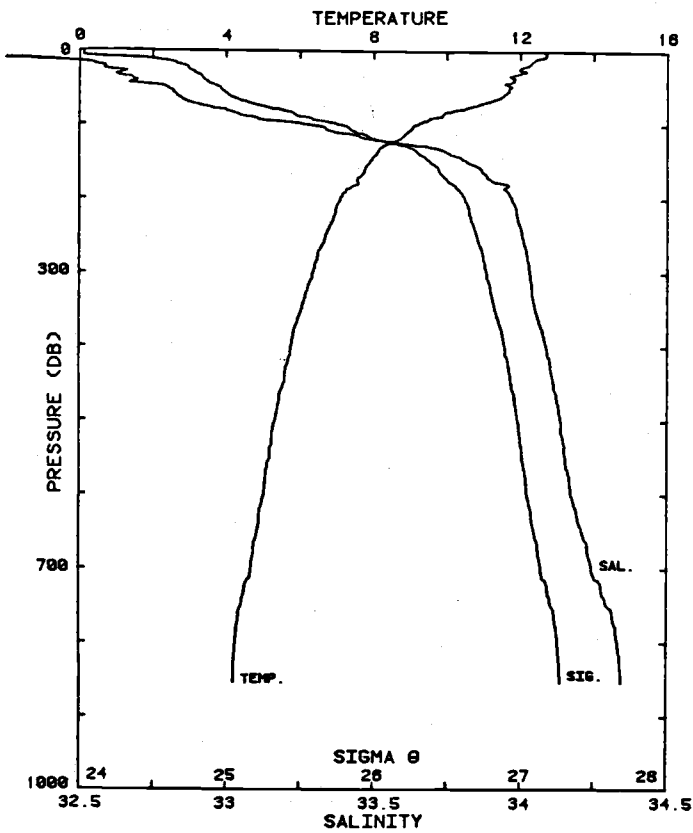
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.563	31.134	11.563	23.693	421.2	0.004
10	11.535	31.182	11.533	23.735	417.5	0.042
20	9.865	32.418	9.863	24.982	298.8	0.080
30	9.622	32.801	9.619	25.320	266.8	0.108
40	9.680	33.053	9.676	25.508	249.2	0.133
50	9.193	33.360	9.167	25.826	219.1	0.157
60	8.841	33.547	8.835	26.028	200.1	0.178
70	8.528	33.660	8.521	26.165	187.3	0.197
80	8.273	33.768	8.265	26.288	175.7	0.215
90	8.035	33.818	8.026	26.363	168.7	0.232
100	7.795	33.839	7.785	26.415	164.0	0.249
110	7.658	33.857	7.648	26.449	160.9	0.265
120	7.450	33.906	7.438	26.517	154.5	0.281
130	7.368	33.938	7.356	26.554	151.2	0.296
140	7.490	33.986	7.476	26.575	149.4	0.311
150	7.388	33.998	7.374	26.599	147.3	0.326
175	7.227	33.984	7.211	26.610	146.6	0.363
200	6.932	33.991	6.914	26.657	142.4	0.399
225	6.605	34.001	6.585	26.710	137.7	0.434
250	6.495	34.027	6.473	26.745	134.7	0.468
300	6.245	34.043	6.219	26.790	130.9	0.534
400	5.661	34.092	5.628	26.903	121.2	0.661
500	5.161	34.157	5.121	27.015	111.3	0.777
600	4.814	34.204	4.767	27.093	104.7	0.886
646	4.677	34.238	4.626	27.135	101.0	0.933

STA NO 14 CR 6 LAT: 41 54.0 N LONG:124 48.1 W
 17 MAY 1981 2125 GMT PROBE 2567 DEPTH 698M
 50.0 KM FROM SHORE LIN INT SAL. AT 490-491DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.373	31.145	12.373	23.552	434.6	0.000
10	12.330	31.188	12.329	23.594	430.9	0.043
20	11.197	32.117	11.194	24.520	342.8	0.082
30	10.203	32.505	10.200	24.994	297.9	0.114
40	10.043	32.706	10.039	25.177	280.6	0.143
50	9.815	32.912	9.809	25.376	262.0	0.170
60	9.506	33.090	9.500	25.565	244.1	0.195
70	9.163	33.283	9.156	25.771	224.7	0.219
80	8.881	33.436	8.873	25.935	209.3	0.241
90	8.564	33.608	8.554	26.119	192.0	0.260
100	8.386	33.671	8.376	26.195	184.9	0.279
110	7.761	33.753	7.750	26.352	170.0	0.297
120	7.696	33.779	7.685	26.383	167.3	0.314
130	7.708	33.838	7.696	26.427	163.3	0.330
140	7.515	33.879	7.502	26.487	157.7	0.346
150	7.437	33.910	7.423	26.523	154.5	0.362
175	7.232	33.964	7.216	26.595	148.1	0.400
200	6.934	33.992	6.915	26.658	142.4	0.436
225	6.675	33.998	6.654	26.698	138.8	0.471
250	6.478	34.003	6.456	26.728	136.2	0.505
300	6.121	34.033	6.095	26.798	130.1	0.572
400	5.573	34.099	5.540	26.919	119.6	0.697
500	5.212	34.138	5.172	26.994	113.4	0.813
600	4.804	34.208	4.757	27.097	104.3	0.922
686	4.504	34.275	4.451	27.184	96.6	1.010



STATION 14 CR 6



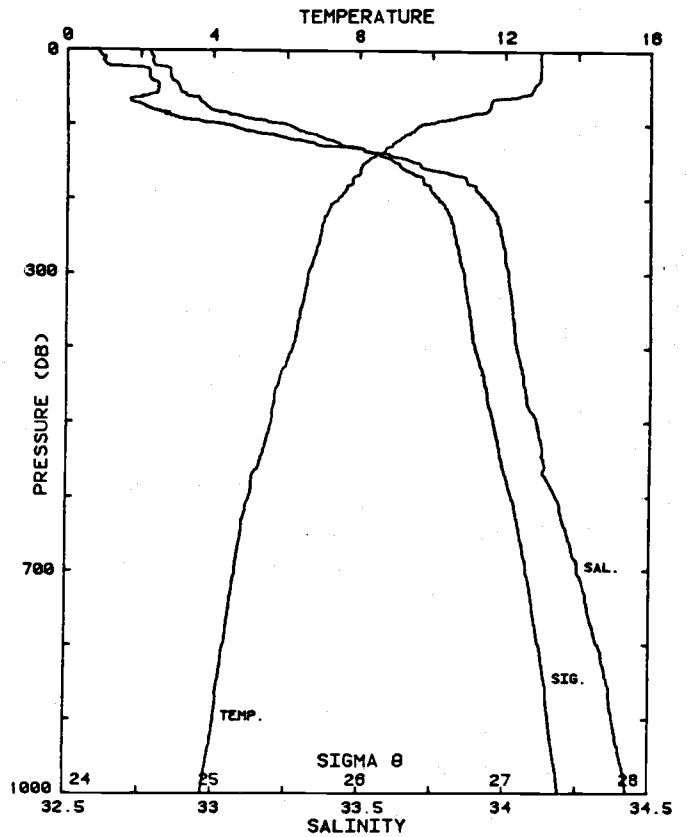
STATION 15 CR7

STA NO 15 CR7 LAT: 41 53.8 N LONG:125 0.0 W
 17 MAY 1981 2307 GMT PROBE 2567 DEPTH 865M
 66.6 KM FROM SHORE LIN INT SAL, TEMP.13-15DB

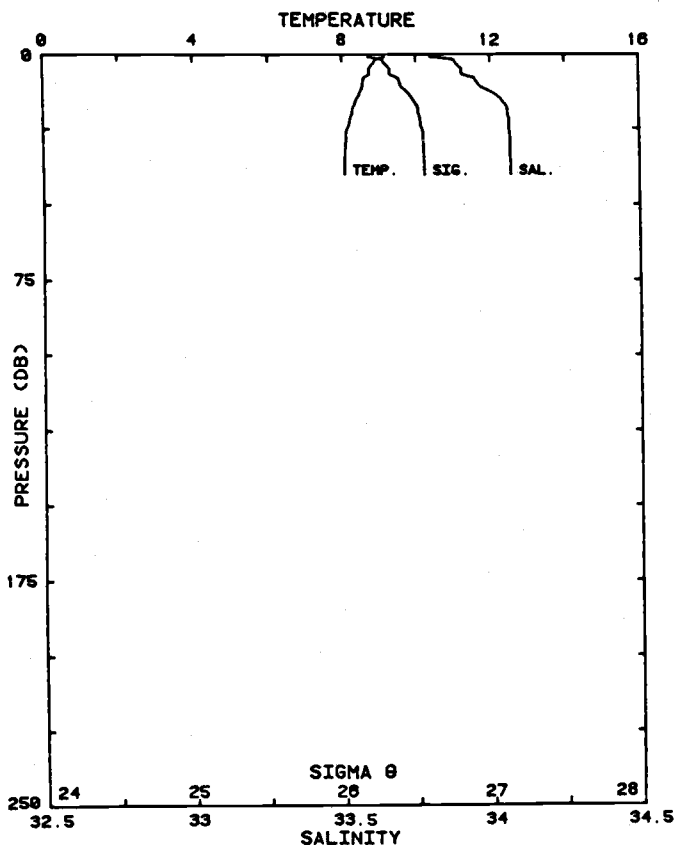
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.701	31.839	12.701	24.027	389.4	0.004
10	12.473	32.233	12.472	24.374	356.5	0.039
20	12.186	32.578	12.183	24.696	326.1	0.072
30	11.984	32.645	11.980	24.786	317.7	0.104
40	11.838	32.699	11.833	24.856	311.4	0.136
50	11.700	32.799	11.694	24.958	301.8	0.167
60	11.523	32.830	11.516	25.015	296.6	0.197
70	11.005	32.872	10.996	25.141	284.9	0.226
80	10.274	32.996	10.265	25.364	263.7	0.253
90	9.718	33.086	9.708	25.528	248.3	0.279
100	9.174	33.262	9.163	25.754	227.0	0.303
110	8.921	33.362	8.910	25.872	215.9	0.325
120	8.677	33.490	8.665	26.010	202.7	0.346
130	8.216	33.691	8.202	26.237	181.5	0.365
140	8.072	33.762	8.058	26.314	174.3	0.383
150	7.888	33.822	7.873	26.389	167.3	0.400
175	7.541	33.903	7.524	26.503	156.9	0.440
200	7.072	33.970	7.053	26.622	145.8	0.478
225	6.887	33.991	6.866	26.654	142.1	0.514
250	6.669	34.007	6.646	26.706	138.4	0.549
300	6.328	34.034	6.301	26.773	132.6	0.616
400	5.727	34.088	5.694	26.892	122.3	0.744
500	5.314	34.138	5.273	26.982	114.6	0.862
600	5.011	34.174	4.964	27.047	109.3	0.974
800	4.249	34.334	4.188	27.259	90.2	1.174
855	4.195	34.347	4.131	27.275	89.2	1.223

STA NO 16 CR 8 LAT: 41 54.2 N LONG:125 12.1 W
 18 MAY 1981 0103 GMT PROBE 2567 DEPTH 2668M
 84.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.968	32.606	12.968	24.567	338.0	0.003
10	12.957	32.630	12.956	24.588	336.2	0.034
20	12.960	32.632	12.958	24.589	336.4	0.067
30	12.960	32.779	12.956	24.703	325.7	0.100
40	12.934	32.784	12.929	24.712	325.2	0.133
50	12.777	32.809	12.771	24.762	320.6	0.165
60	12.473	32.791	12.465	24.807	316.5	0.197
70	11.614	32.717	11.606	24.911	306.8	0.228
80	11.539	32.785	11.529	24.978	300.7	0.259
90	10.691	32.864	10.680	25.190	280.6	0.288
100	9.692	33.031	9.681	25.490	252.1	0.314
110	9.436	33.132	9.424	25.610	240.9	0.339
120	9.109	33.258	9.096	25.760	226.7	0.362
130	8.832	33.397	8.818	25.913	212.3	0.384
140	8.449	33.600	8.435	26.131	191.8	0.404
150	8.162	33.679	8.147	26.236	181.9	0.423
175	7.802	33.867	7.785	26.437	163.2	0.466
200	7.410	33.930	7.391	26.543	153.4	0.506
225	7.039	33.974	7.018	26.629	145.5	0.543
250	6.924	33.987	6.901	26.656	143.3	0.579
300	6.596	34.014	6.569	26.722	137.6	0.650
400	6.180	34.041	6.145	26.798	131.5	0.784
500	5.604	34.110	5.563	26.925	120.3	0.910
600	5.005	34.176	4.957	27.049	109.1	1.025
800	4.325	34.326	4.264	27.244	91.8	1.225
1000	3.752	34.424	3.678	27.383	79.5	1.396
1001	3.747	34.424	3.673	27.383	79.4	1.397



STATION 16 CR 8



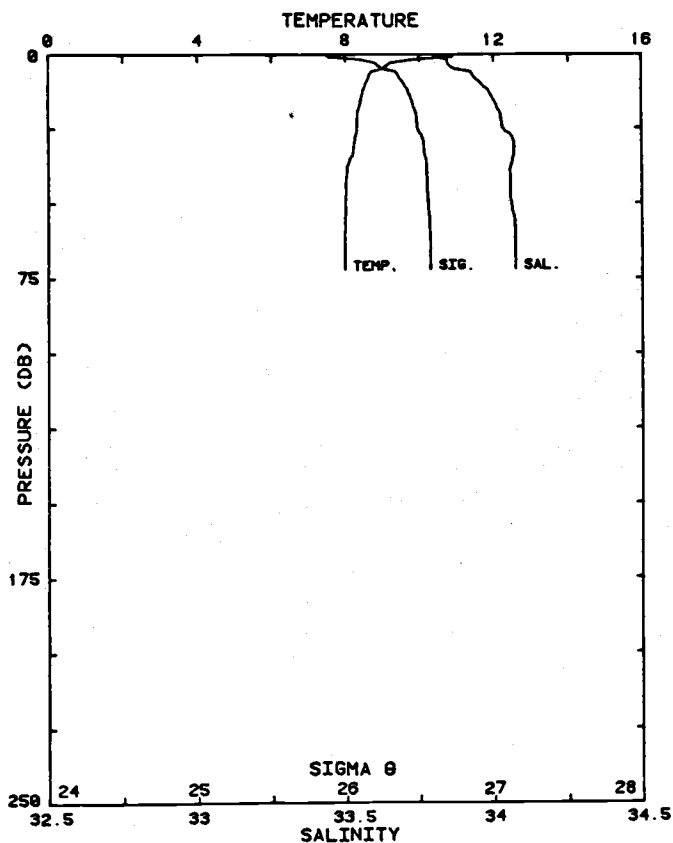
STATION 17 COC 1

STA NO 17 COC 1 LAT: 38 39.8 N LONG:123 25.5 W
 18 MAY 1981 2108 GMT PROBE 2567 DEPTH 43M
 0.9 KM FROM SHORE

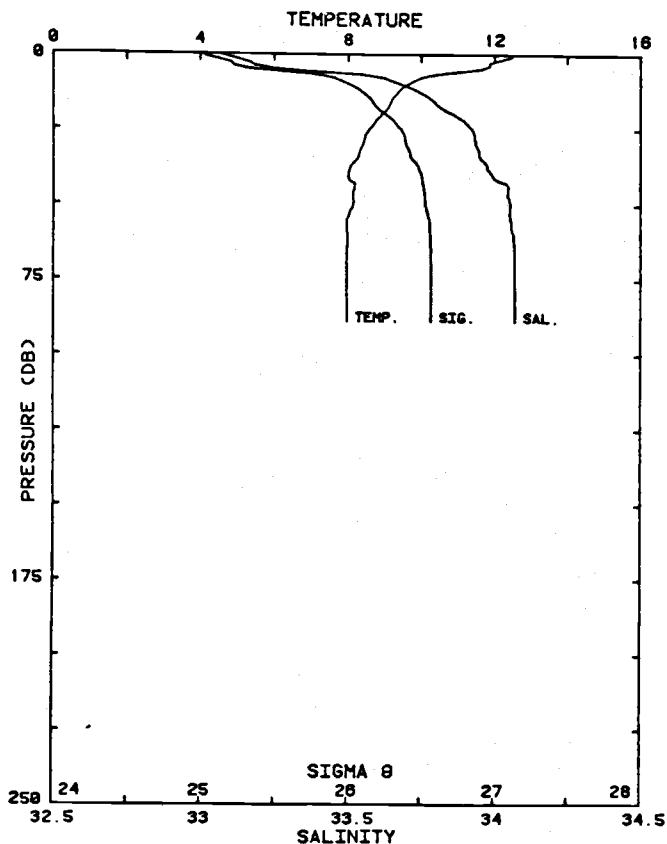
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.150	33.800	9.150	26.175	185.0	0.002
10	8.554	33.959	8.552	26.394	164.4	0.017
20	8.267	34.058	8.265	26.516	153.0	0.033
30	8.082	34.065	8.079	26.549	150.0	0.048
40	8.051	34.067	8.047	26.555	149.6	0.063

STA NO 18 COC 2 LAT: 38 39.0 N LONG:123 26.9 W
 18 MAY 1981 2139 GMT PROBE 2567 DEPTH 75M
 3.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	10.957	33.838	10.956	25.899	211.2	0.000
10	8.544	33.960	8.543	26.393	164.2	0.018
20	8.320	34.023	8.318	26.480	156.4	0.034
30	8.226	34.067	8.223	26.528	152.0	0.050
40	8.024	34.055	8.020	26.549	150.2	0.065
50	7.991	34.058	7.986	26.557	149.6	0.080
60	7.971	34.071	7.965	26.570	148.6	0.094
70	7.967	34.071	7.960	26.571	148.7	0.109
72	7.967	34.072	7.960	26.572	148.6	0.112



STATION 18 COC 2



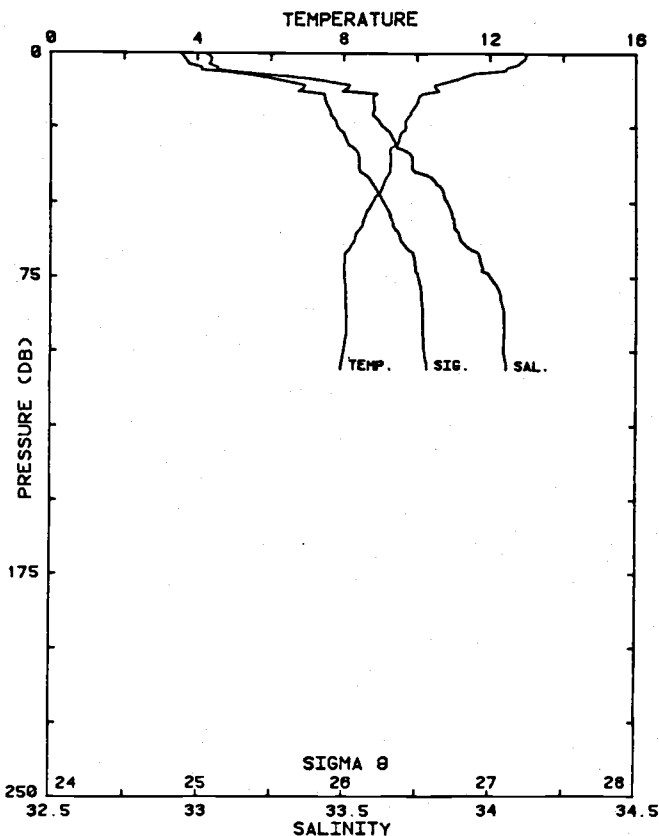
STATION 19 COC 3

STA NO 19 COC 3 LAT: 38 37.5 N LONG:123 28.8 W
 18 MAY 1981 2209 GMT PROBE 2567 DEPTH 93M
 7.2 KM FROM SHORE

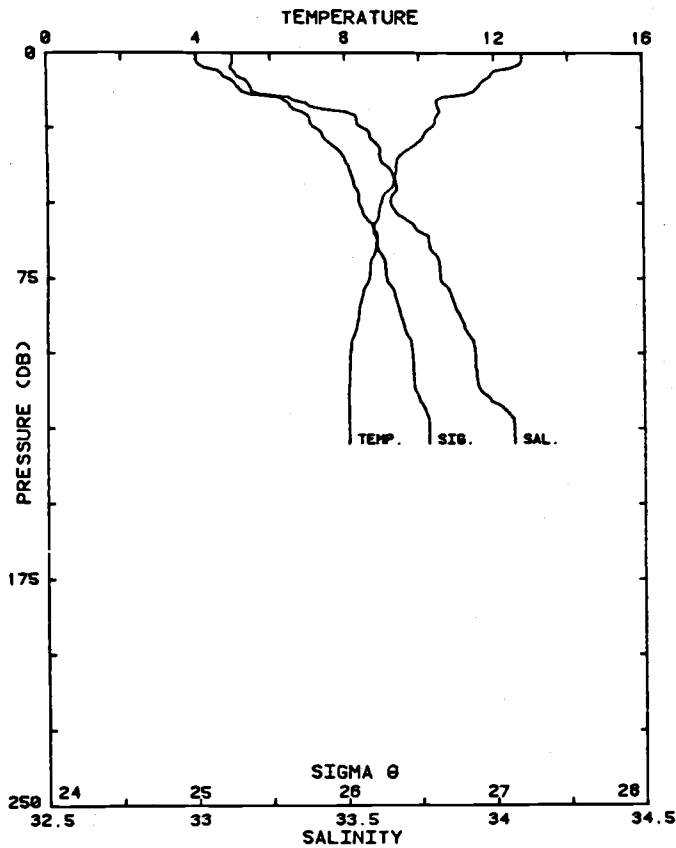
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.483	33.060	12.483	25.012	295.5	0.000
10	9.638	33.678	9.636	26.001	201.7	0.025
20	8.920	33.859	8.918	26.258	177.5	0.044
30	8.409	33.936	8.406	26.398	164.3	0.061
40	8.003	33.991	7.999	26.503	154.6	0.077
50	8.146	34.054	8.141	26.531	152.1	0.092
60	7.985	34.065	7.980	26.564	149.2	0.107
70	7.962	34.068	7.955	26.570	148.8	0.122
80	7.968	34.069	7.960	26.570	149.0	0.137
89	7.977	34.071	7.968	26.570	149.1	0.150

STA NO 20 COC 4 LAT: 38 36.2 N LONG:123 30.5 W
 18 MAY 1981 2237 GMT PROBE 2567 DEPTH 109M
 10.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.984	33.023	12.984	24.886	307.5	0.000
10	10.775	33.462	10.774	25.639	236.1	0.029
20	9.834	33.601	9.832	25.909	210.7	0.050
30	9.494	33.674	9.490	26.022	200.1	0.071
40	9.254	33.744	9.250	26.116	191.4	0.090
50	8.784	33.855	8.778	26.277	176.2	0.109
60	8.357	33.892	8.351	26.372	167.4	0.126
70	8.012	33.968	8.005	26.483	157.0	0.142
80	8.052	34.032	8.044	26.528	153.0	0.157
90	8.067	34.048	8.058	26.539	152.1	0.173
100	7.986	34.045	7.976	26.548	151.4	0.188
106	7.920	34.055	7.909	26.566	149.8	0.197



STATION 20 COC 4

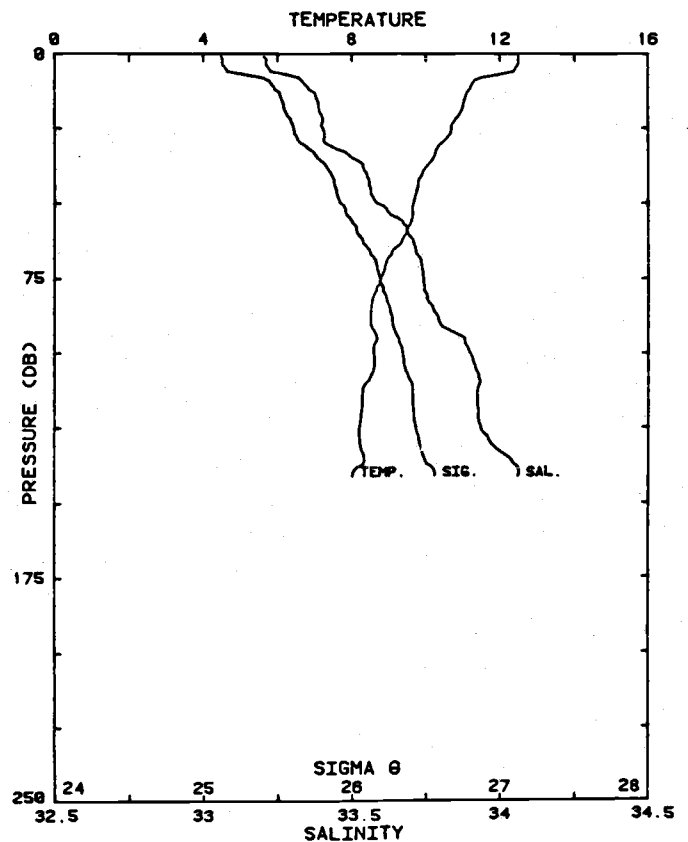


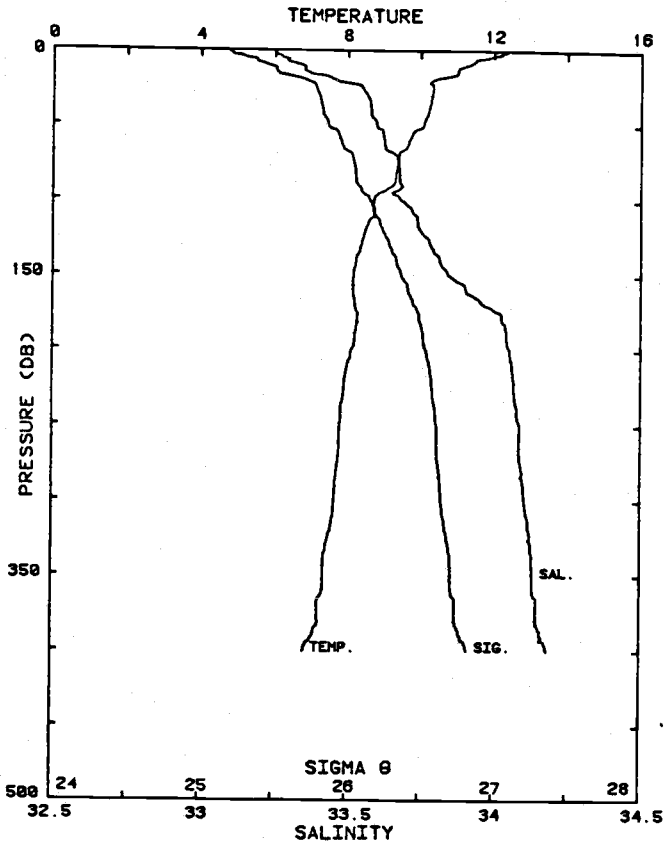
STA NO 21 COC5 LAT: 38 34.6 N LONG: 123 33.3 W
 18 MAY 1981 2317 GMT PROBE 2567 DEPTH 135M
 16.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.764	33.122	12.764	25.005	296.2	0.000
10	11.649	33.175	11.648	25.258	272.3	0.029
20	10.539	33.501	10.537	25.711	229.5	0.054
30	9.953	33.600	9.950	25.888	212.9	0.076
40	9.340	33.656	9.336	26.033	199.2	0.096
50	8.957	33.651	8.952	26.090	194.0	0.116
60	8.845	33.755	8.839	26.189	184.8	0.135
70	8.653	33.814	8.646	26.265	177.7	0.153
80	8.443	33.850	8.435	26.326	172.1	0.171
90	8.282	33.893	8.273	26.385	166.7	0.188
100	8.092	33.931	8.082	26.443	161.3	0.204
110	8.061	33.940	8.050	26.455	160.4	0.220
120	8.060	34.043	8.048	26.536	152.9	0.236
130	8.047	34.062	8.034	26.553	151.5	0.251

STA NO 22 COC6 LAT: 38 32.7 N LONG: 123 36.7 W
 19 MAY 1981 0002 GMT PROBE 2567 DEPTH 147M
 21.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.497	33.203	12.497	25.120	285.3	0.003
10	11.263	33.340	11.261	25.457	253.5	0.028
20	10.937	33.395	10.934	25.559	244.0	0.052
30	10.439	33.410	10.436	25.657	234.8	0.076
40	9.898	33.549	9.894	25.857	216.0	0.099
50	9.667	33.584	9.661	25.923	209.9	0.120
60	9.474	33.687	9.467	26.036	199.4	0.140
70	8.909	33.735	8.902	26.164	187.4	0.160
80	8.609	33.752	8.600	26.224	181.8	0.178
90	8.509	33.798	8.500	26.276	177.1	0.196
100	8.589	33.900	8.579	26.343	170.9	0.214
110	8.382	33.933	8.370	26.402	165.6	0.230
120	8.239	33.927	8.227	26.419	164.1	0.247
130	8.207	33.968	8.194	26.455	160.8	0.263
140	8.014	34.061	8.000	26.557	151.3	0.279
141	8.006	34.059	7.992	26.557	151.3	0.280





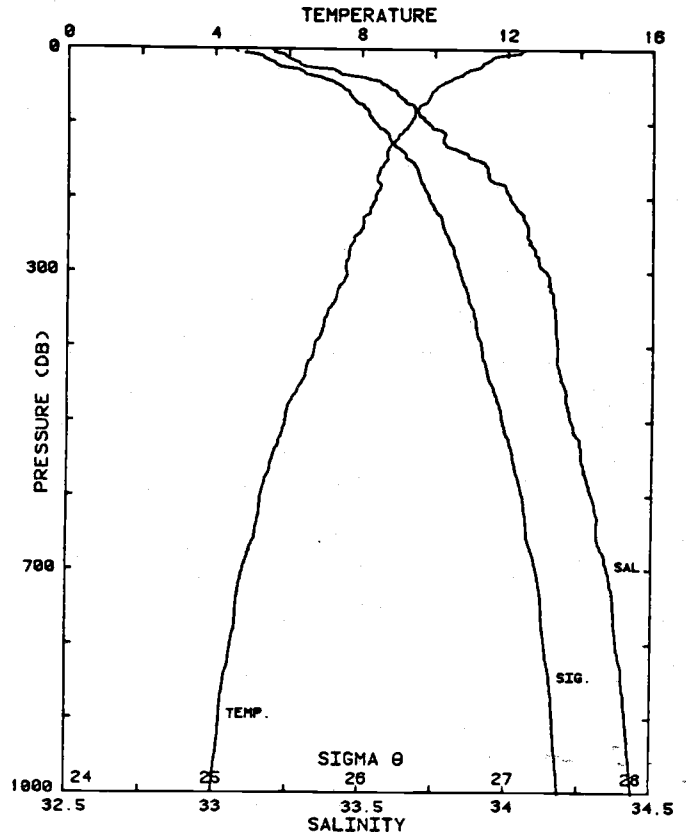
STATION 23 COC7

STA NO 23 COC7 LAT: 38 30.3 N LONG:123 39.6 W
 19 MAY 1981 0110 GMT PROBE 2567 DEPTH 407M
 27.9 KM FROM SHORE

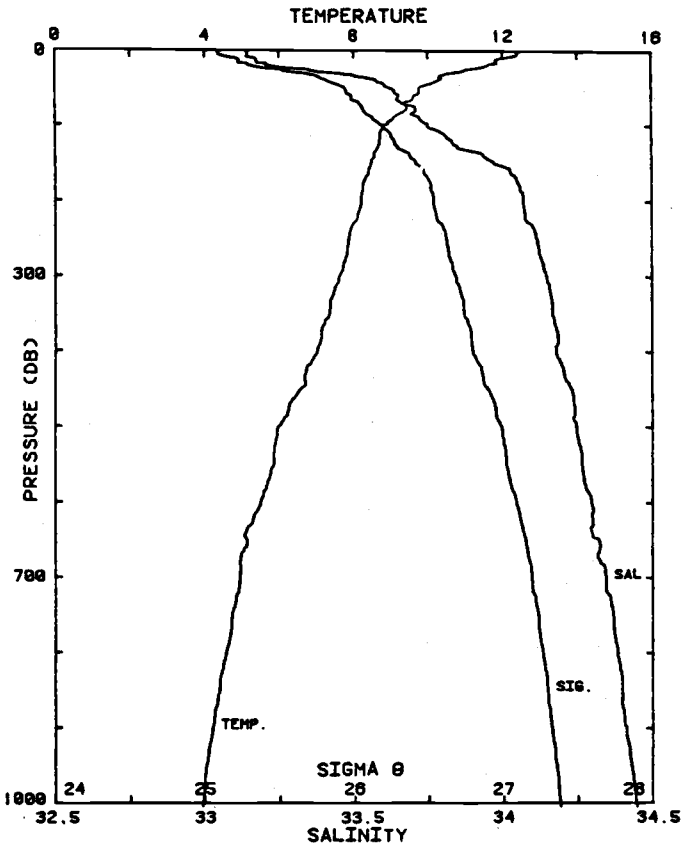
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.321	33.252	12.321	25.191	278.5	0.003
10	11.281	33.341	11.280	25.455	253.6	0.027
20	10.328	33.459	10.326	25.715	229.1	0.051
30	10.302	33.565	10.299	25.801	221.1	0.073
40	10.207	33.580	10.203	25.829	218.7	0.095
50	10.078	33.599	10.072	25.866	215.4	0.117
60	9.690	33.626	9.683	25.953	207.4	0.138
70	9.397	33.664	9.389	26.030	200.2	0.159
80	9.327	33.676	9.318	26.052	198.3	0.179
90	9.230	33.687	9.220	26.076	196.2	0.198
100	8.721	33.682	8.711	26.153	189.0	0.218
110	8.720	33.734	8.709	26.193	185.4	0.236
120	8.488	33.748	8.476	26.240	181.1	0.255
130	8.372	33.783	8.357	26.285	176.7	0.272
140	8.231	33.815	8.217	26.332	172.7	0.290
150	8.162	33.847	8.147	26.367	169.5	0.307
175	8.283	34.021	8.265	26.486	158.7	0.348
200	8.105	34.054	8.085	26.539	154.1	0.387
225	7.908	34.068	7.886	26.580	150.6	0.425
250	7.794	34.089	7.769	26.613	147.9	0.463
300	7.653	34.106	7.624	26.648	145.4	0.536
400	6.825	34.186	6.788	26.828	129.4	0.675

STA NO 24 COC8 LAT: 38 27.1 N LONG:123 44.5 W
 19 MAY 1981 0211 GMT PROBE 2567 DEPTH 1204M
 37.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.431	33.196	12.431	25.127	284.6	0.003
10	11.634	33.237	11.633	25.309	267.5	0.028
20	11.320	33.286	11.318	25.404	258.7	0.054
30	10.887	33.408	10.884	25.578	242.4	0.080
40	10.478	33.516	10.473	25.733	227.9	0.103
50	10.094	33.586	10.088	25.854	216.6	0.125
60	9.897	33.620	9.890	25.914	211.1	0.147
70	9.789	33.647	9.781	25.953	207.5	0.168
80	9.547	33.679	9.539	26.018	201.6	0.188
90	9.432	33.698	9.423	26.052	198.6	0.208
100	9.319	33.728	9.308	26.094	194.7	0.228
110	9.140	33.772	9.128	26.157	188.9	0.247
120	8.984	33.780	8.971	26.188	186.1	0.266
130	8.785	33.788	8.771	26.226	182.7	0.284
140	8.688	33.858	8.673	26.296	176.2	0.302
150	8.669	33.906	8.654	26.336	172.6	0.320
175	8.416	33.940	8.398	26.403	166.7	0.362
200	8.387	34.007	8.366	26.462	161.6	0.403
225	8.091	34.054	8.068	26.542	154.3	0.442
250	7.871	34.070	7.847	26.587	150.4	0.481
300	7.593	34.133	7.563	26.678	142.5	0.554
400	6.737	34.173	6.701	26.827	129.2	0.689
500	5.930	34.219	5.886	26.972	116.4	0.812
600	5.277	34.292	5.229	27.109	103.9	0.922
800	4.504	34.380	4.442	27.268	89.9	1.115
1000	3.970	34.441	3.895	27.374	80.8	1.284
1001	3.970	34.441	3.894	27.374	80.8	1.285



STATION 24 COC8



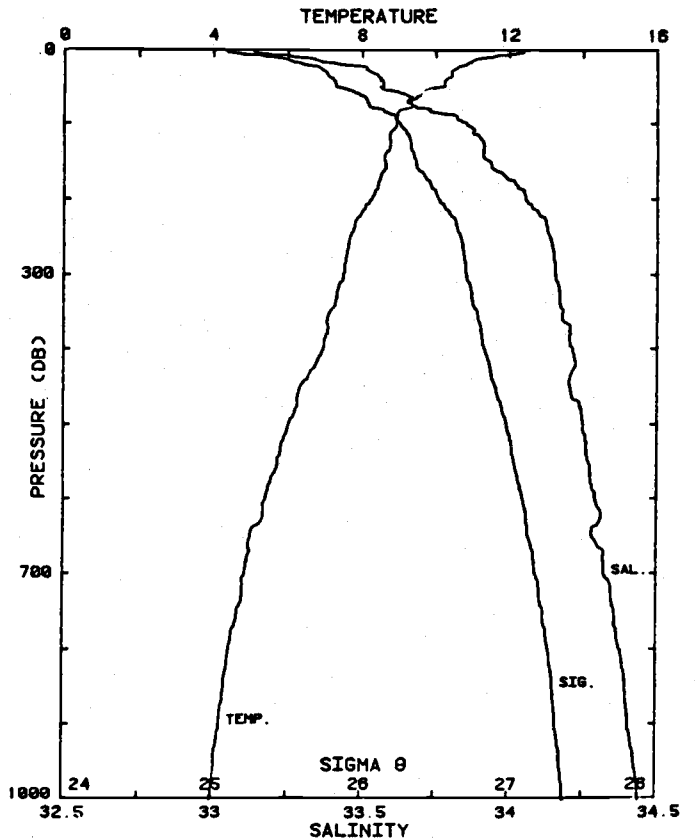
STATION 25 COC9

STA NO 25 COC9 LAT: 38 24.0 N LONG:123 49.2 W
 17 MAY 1981 0320 GMT PROBE 2567 DEPTH 1700M
 46.1 KM FROM SHORE

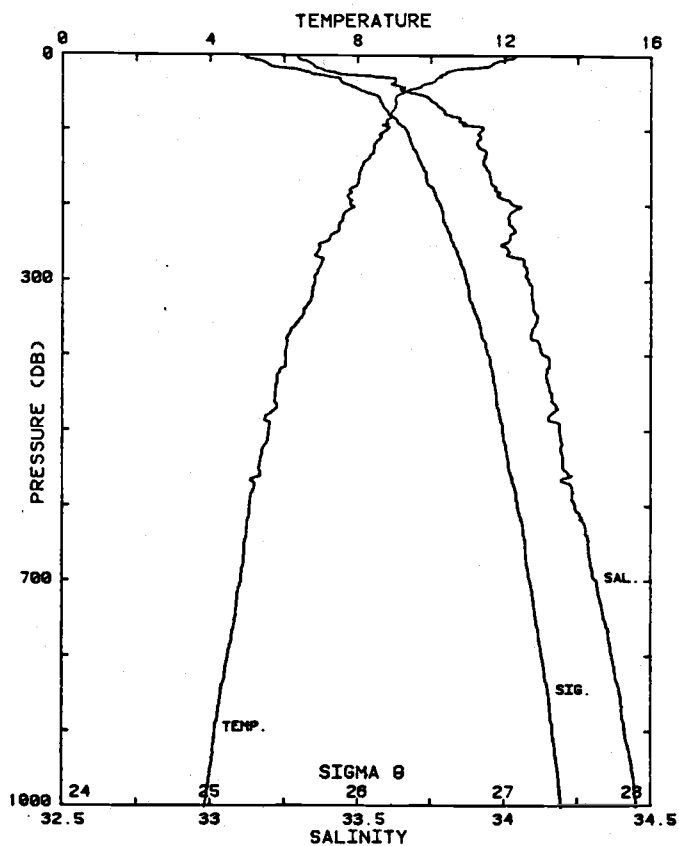
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.420	33.141	12.420	25.087	288.5	0.003
10	12.042	33.153	12.041	25.168	281.0	0.029
20	11.589	33.208	11.586	25.295	269.0	0.056
30	10.605	33.425	10.602	25.640	236.5	0.082
40	10.259	33.576	10.255	25.817	219.8	0.104
50	9.749	33.623	9.744	25.940	208.3	0.126
60	9.625	33.652	9.619	25.984	204.4	0.146
70	9.352	33.661	9.344	26.036	199.6	0.167
80	9.378	33.708	9.370	26.068	196.7	0.186
90	9.067	33.721	9.058	26.128	191.2	0.206
100	8.787	33.747	8.777	26.193	185.2	0.225
110	8.714	33.797	8.703	26.244	180.6	0.243
120	8.693	33.829	8.680	26.272	178.1	0.261
130	8.644	33.850	8.631	26.297	175.9	0.279
140	8.559	33.936	8.545	26.377	168.5	0.296
150	8.474	33.972	8.459	26.418	164.8	0.313
175	8.263	34.051	8.245	26.513	156.2	0.352
200	8.193	34.071	8.173	26.539	154.2	0.391
225	8.077	34.077	8.054	26.562	152.4	0.430
250	7.864	34.114	7.839	26.622	147.1	0.467
300	7.616	34.147	7.587	26.685	141.9	0.539
400	7.004	34.179	6.967	26.793	132.4	0.676
500	5.972	34.246	5.929	26.987	114.9	0.799
600	5.477	34.296	5.427	27.089	106.1	0.910
800	4.554	34.385	4.492	27.266	90.2	1.104
1000	3.936	34.446	3.861	27.381	80.0	1.274
1004	3.928	34.448	3.852	27.384	79.8	1.277

STA NO 26 COC10 LAT: 38 20.8 N LONG:123 54.5 W
 19 MAY 1981 0436 GMT PROBE 2567 DEPTH 2350M
 55.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.345	33.141	12.345	25.101	287.1	0.003
10	11.535	33.273	11.533	25.356	263.1	0.028
20	10.822	33.426	10.820	25.603	239.8	0.053
30	10.409	33.529	10.406	25.755	225.5	0.076
40	10.280	33.562	10.275	25.803	221.2	0.098
50	10.215	33.571	10.209	25.822	219.6	0.120
60	9.641	33.637	9.634	25.970	205.7	0.142
70	9.305	33.650	9.298	26.034	199.8	0.162
80	9.185	33.717	9.177	26.106	193.1	0.182
90	8.945	33.819	8.935	26.224	182.1	0.200
100	8.920	33.853	8.910	26.255	179.4	0.218
110	8.784	33.877	8.772	26.295	175.7	0.236
120	8.745	33.902	8.733	26.321	173.4	0.254
130	8.750	33.913	8.737	26.329	172.9	0.271
140	8.621	33.911	8.606	26.348	171.3	0.288
150	8.608	33.928	8.593	26.363	170.1	0.305
175	8.478	33.998	8.460	26.439	163.3	0.347
200	8.251	34.055	8.231	26.518	156.2	0.387
225	7.880	34.119	7.858	26.623	146.5	0.425
250	7.682	34.137	7.657	26.667	142.7	0.461
300	7.509	34.156	7.480	26.708	139.6	0.531
400	6.966	34.215	6.929	26.831	129.2	0.666
500	6.025	34.250	5.982	26.983	115.4	0.788
600	5.413	34.291	5.363	27.092	105.6	0.899
800	4.451	34.377	4.389	27.271	89.5	1.093
1000	3.961	34.442	3.886	27.376	80.6	1.263
1002	3.955	34.443	3.880	27.377	80.5	1.264



STATION 26 COC10



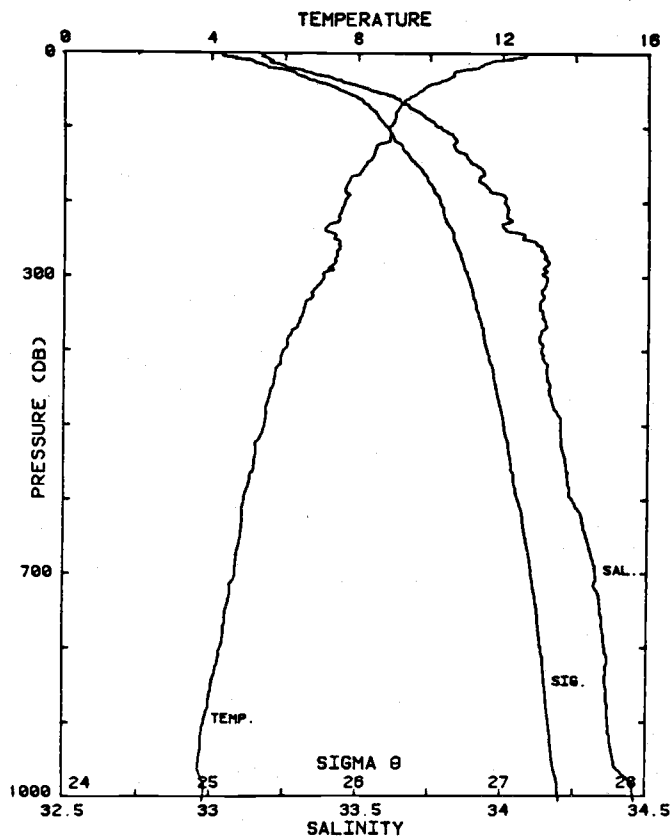
STATION 27 COC11

STA NO 27 COC11 LAT: 38 17.6 N LONG:123 59.3 W
 19 MAY 1981 0554 GMT PROBE 2567 DEPTH 3364M
 65.5 KM FROM SHORE

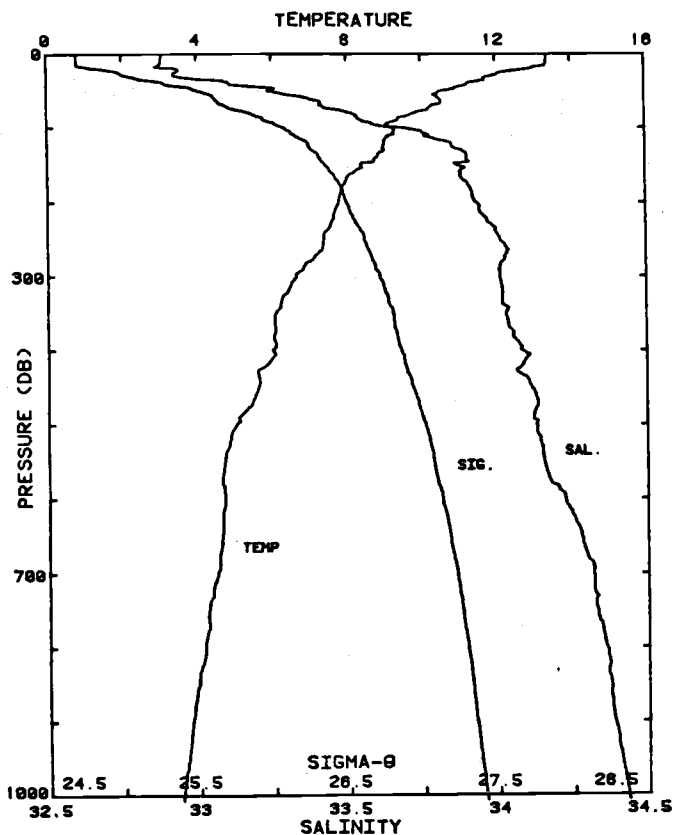
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.279	33.298	12.279	25.235	274.3	0.003
10	11.720	33.337	11.718	25.371	261.7	0.027
20	10.615	33.385	10.613	25.607	239.4	0.053
30	10.198	33.623	10.195	25.865	215.1	0.075
40	9.742	33.630	9.737	25.947	207.4	0.097
50	9.254	33.683	9.248	26.068	196.2	0.117
60	9.028	33.749	9.022	26.156	188.0	0.136
70	9.032	33.781	9.025	26.181	185.8	0.155
80	8.911	33.804	8.903	26.218	182.5	0.173
90	8.797	33.855	8.788	26.276	177.2	0.191
100	8.791	33.927	8.781	26.333	171.9	0.208
110	8.646	33.922	8.634	26.352	170.3	0.225
120	8.443	33.908	8.431	26.372	168.5	0.242
130	8.422	33.941	8.408	26.402	165.9	0.259
140	8.233	33.928	8.219	26.420	164.3	0.276
150	8.096	33.939	8.081	26.450	161.6	0.292
175	7.926	33.969	7.909	26.499	157.4	0.332
200	7.811	34.031	7.791	26.565	151.6	0.371
225	7.500	34.015	7.479	26.597	148.8	0.408
250	7.067	34.009	7.043	26.654	143.6	0.445
300	6.837	34.084	6.810	26.745	135.6	0.514
400	6.042	34.134	6.007	26.889	122.9	0.644
500	5.583	34.191	5.541	26.991	114.1	0.762
600	5.071	34.242	5.023	27.094	105.0	0.872
800	4.484	34.369	4.422	27.261	90.5	1.067
1000	3.858	34.451	3.783	27.393	78.7	1.235
1002	3.852	34.451	3.777	27.394	78.7	1.237

STA NO 28 COC12 LAT: 38 14.1 N LONG:124 4.4 W
 19 MAY 1981 0710 GMT PROBE 2567 DEPTH 3578M
 75.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.629	33.165	12.629	25.065	290.5	0.003
10	11.905	33.192	11.904	25.224	275.6	0.029
20	11.331	33.253	11.329	25.377	261.2	0.055
30	10.640	33.353	10.636	25.578	242.4	0.080
40	10.254	33.447	10.250	25.718	229.2	0.104
50	9.796	33.542	9.790	25.869	215.1	0.126
60	9.452	33.624	9.445	25.990	203.8	0.147
70	9.202	33.671	9.195	26.068	196.6	0.167
80	9.045	33.709	9.037	26.123	191.6	0.186
90	9.019	33.746	9.010	26.156	188.6	0.205
100	8.884	33.779	8.873	26.203	184.3	0.224
110	8.895	33.828	8.883	26.240	181.0	0.242
120	8.805	33.839	8.792	26.262	179.0	0.260
130	8.488	33.837	8.475	26.310	174.6	0.278
140	8.408	33.877	8.393	26.354	170.7	0.295
150	8.228	33.904	8.213	26.402	166.2	0.312
175	7.730	33.928	7.713	26.495	157.7	0.352
200	7.642	34.007	7.623	26.571	150.9	0.391
225	7.488	34.032	7.466	26.612	147.4	0.428
250	7.339	34.067	7.315	26.661	143.1	0.464
300	7.080	34.145	7.052	26.760	134.4	0.534
400	5.974	34.134	5.939	26.898	122.0	0.661
500	5.473	34.200	5.432	27.012	112.0	0.778
600	4.919	34.240	4.872	27.109	103.3	0.886
800	4.278	34.356	4.218	27.273	89.0	1.076
1000	3.835	34.460	3.760	27.403	77.8	1.244
1006	3.816	34.462	3.741	27.406	77.5	1.248



STATION 28 COC12



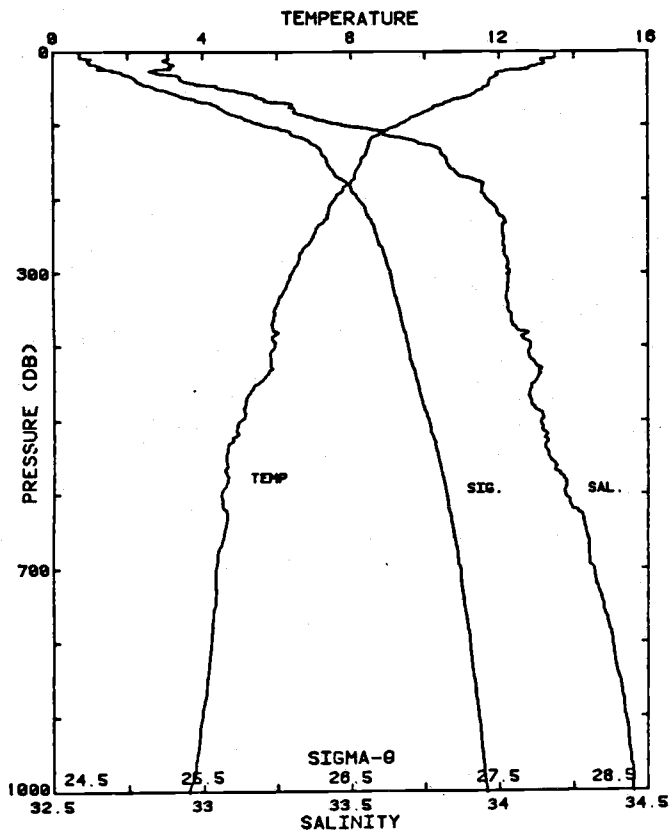
STATION 29 COC13

STA NO 29 COC13 LAT: 38 7.8 N LONG:124 14.1 W
 19 MAY 1981 0905 GMT PROBE 2567 DEPTH 3713M
 93.6 KM FROM SHORE

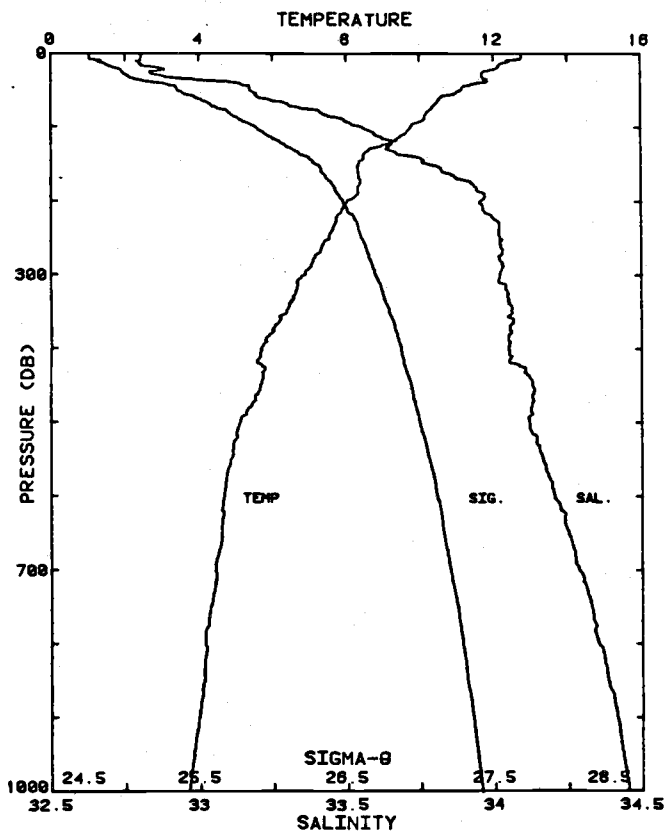
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.384	32.884	13.384	24.699	325.4	0.003
10	13.377	32.881	13.375	24.699	325.6	0.033
20	12.995	32.883	12.992	24.776	318.5	0.065
30	11.965	32.923	11.961	25.005	297.0	0.095
40	11.292	33.106	11.288	25.271	271.9	0.124
50	10.712	33.246	10.706	25.483	251.7	0.150
60	10.466	33.361	10.459	25.615	239.5	0.175
70	10.313	33.406	10.305	25.677	233.9	0.199
80	9.854	33.502	9.845	25.829	219.6	0.221
90	9.377	33.547	9.367	25.943	208.9	0.243
100	9.147	33.663	9.137	26.070	196.9	0.263
110	9.209	33.775	9.198	26.148	189.8	0.282
120	8.994	33.840	8.982	26.233	181.9	0.301
130	8.995	33.877	8.981	26.263	179.3	0.319
140	8.819	33.901	8.804	26.309	175.0	0.337
150	8.354	33.861	8.338	26.349	171.2	0.354
175	7.944	33.903	7.927	26.444	162.6	0.396
200	7.762	33.927	7.743	26.490	158.6	0.436
225	7.576	33.967	7.555	26.549	153.4	0.475
250	7.353	34.010	7.329	26.614	147.5	0.512
300	6.615	34.009	6.588	26.715	138.3	0.584
400	5.966	34.077	5.931	26.854	126.1	0.715
500	4.991	34.127	4.951	27.011	111.5	0.834
600	4.678	34.223	4.632	27.122	101.7	0.940
800	4.130	34.358	4.070	27.290	87.1	1.128
1000	3.533	34.429	3.461	27.408	76.5	1.291
1007	3.518	34.433	3.446	27.413	76.1	1.297

STA NO 30 COC14 LAT: 38 1.4 N LONG:124 23.8 W
 19 MAY 1981 1113 GMT PROBE 2567 DEPTH 3852M
 111.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.504	32.885	13.504	24.675	327.6	0.003
10	13.358	32.888	13.356	24.707	324.8	0.033
20	12.956	32.895	12.953	24.793	316.9	0.065
30	11.894	32.845	11.891	24.958	301.4	0.096
40	11.717	32.931	11.713	25.057	292.2	0.126
50	11.552	33.051	11.545	25.181	280.6	0.154
60	11.222	33.182	11.214	25.343	265.5	0.182
70	10.509	33.278	10.501	25.544	246.5	0.207
80	10.099	33.311	10.090	25.639	237.6	0.231
90	9.590	33.372	9.580	25.771	225.2	0.255
100	9.276	33.468	9.265	25.897	213.4	0.277
110	8.754	33.607	8.743	26.089	195.3	0.297
120	8.509	33.695	8.497	26.195	185.3	0.316
130	8.453	33.782	8.440	26.272	178.2	0.334
140	8.374	33.806	8.360	26.303	175.4	0.352
150	8.253	33.822	8.238	26.334	172.6	0.369
175	8.002	33.918	7.985	26.447	162.3	0.411
200	7.531	33.957	7.512	26.547	153.1	0.451
225	7.353	34.012	7.332	26.615	147.0	0.488
250	6.963	34.012	6.940	26.670	142.0	0.524
300	6.401	34.032	6.375	26.761	133.8	0.593
400	5.915	34.102	5.880	26.880	123.6	0.722
500	4.990	34.140	4.951	27.021	110.6	0.839
600	4.492	34.221	4.447	27.141	99.7	0.944
800	4.209	34.382	4.148	27.301	86.3	1.129
1000	3.607	34.451	3.534	27.418	75.8	1.291
1002	3.608	34.453	3.536	27.419	75.7	1.293



STATION 30 COC14



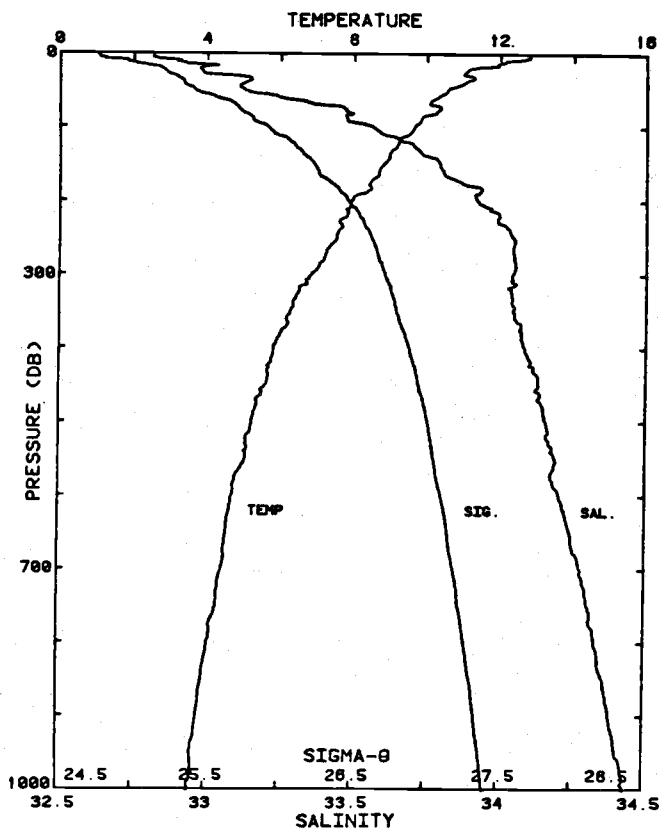
STATION 31 COC15

STA NO 31 COC15 LAT: 37 51.8 N LONG:124 38.4 W
 19 MAY 1981 1326 GMT PROBE 2567 DEPTH 3975M
 140.2 KM FROM SHORE

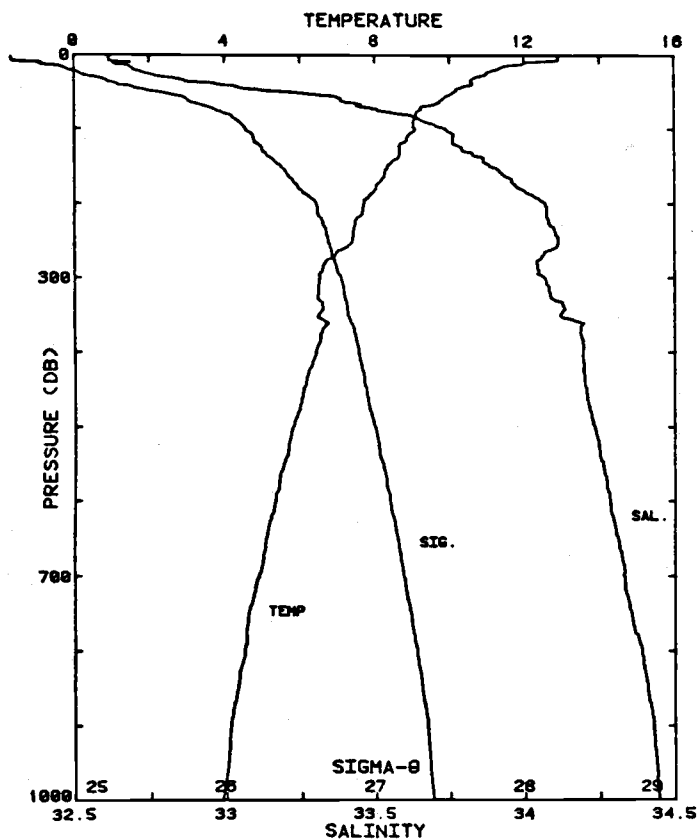
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.756	32.803	12.756	24.760	319.5	0.003
10	12.338	32.799	12.337	24.838	312.4	0.032
20	12.090	32.868	12.087	24.938	303.0	0.063
30	11.690	32.868	11.687	25.014	296.1	0.093
40	11.565	33.136	11.560	25.244	274.4	0.122
50	11.104	33.173	11.098	25.357	263.9	0.148
60	10.549	33.209	10.542	25.483	252.1	0.174
70	10.382	33.305	10.374	25.586	242.5	0.199
80	10.175	33.416	10.166	25.708	231.1	0.222
90	10.080	33.493	10.069	25.784	224.0	0.245
100	9.748	33.553	9.737	25.887	214.4	0.267
110	9.541	33.596	9.529	25.955	208.2	0.288
120	9.233	33.649	9.221	26.046	199.7	0.309
130	8.605	33.634	8.592	26.133	191.4	0.328
140	8.444	33.727	8.429	26.231	182.3	0.347
150	8.322	33.777	8.307	26.289	177.0	0.365
175	8.371	33.923	8.353	26.396	167.3	0.408
200	8.008	33.951	7.989	26.473	160.3	0.449
225	7.719	34.002	7.697	26.555	152.9	0.488
250	7.515	34.019	7.491	26.598	149.1	0.526
300	6.846	34.019	6.819	26.692	140.6	0.558
400	5.651	34.046	5.618	26.868	124.5	0.730
500	5.085	34.118	5.045	26.993	113.3	0.849
600	4.660	34.204	4.614	27.109	102.9	0.956
800	4.144	34.352	4.084	27.284	87.7	1.146
1000	3.697	34.453	3.624	27.411	76.7	1.310
1001	3.688	34.454	3.615	27.413	76.5	1.311

STA NO 32 COC16 LAT: 37 42.0 N LONG:124 53.0 W
 19 MAY 1981 1540 GMT PROBE 2567 DEPTH 4058M
 169.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.800	32.814	12.799	24.761	319.5	0.003
10	12.132	32.909	12.130	24.962	300.5	0.032
20	11.239	32.979	11.236	25.182	279.8	0.061
30	11.042	33.032	11.038	25.258	272.8	0.089
40	11.009	33.130	11.005	25.340	265.2	0.115
50	10.555	33.125	10.547	25.416	258.2	0.142
60	10.273	33.247	10.266	25.559	244.8	0.167
70	10.106	33.378	10.098	25.690	232.6	0.191
80	10.240	33.478	10.230	25.746	227.5	0.214
90	9.829	33.474	9.819	25.812	221.4	0.236
100	9.631	33.563	9.620	25.914	211.9	0.258
110	9.485	33.600	9.473	25.967	207.1	0.279
120	9.204	33.667	9.191	26.065	197.8	0.299
130	9.043	33.718	9.029	26.131	191.8	0.318
140	8.940	33.753	8.925	26.175	187.8	0.337
150	8.804	33.794	8.789	26.228	182.9	0.356
175	8.441	33.868	8.423	26.342	172.4	0.401
200	7.925	33.923	7.905	26.463	161.2	0.442
225	7.653	33.990	7.631	26.556	152.8	0.481
250	7.512	34.045	7.488	26.620	147.1	0.519
300	6.848	34.042	6.820	26.710	138.9	0.590
400	5.807	34.083	5.773	26.878	123.7	0.722
500	5.230	34.159	5.190	27.009	112.0	0.839
600	4.715	34.204	4.668	27.104	103.5	0.948
800	4.083	34.331	4.023	27.274	88.5	1.139
1000	3.556	34.434	3.484	27.410	76.4	1.304
1002	3.558	34.437	3.486	27.412	76.3	1.305



STATION 32 COC16



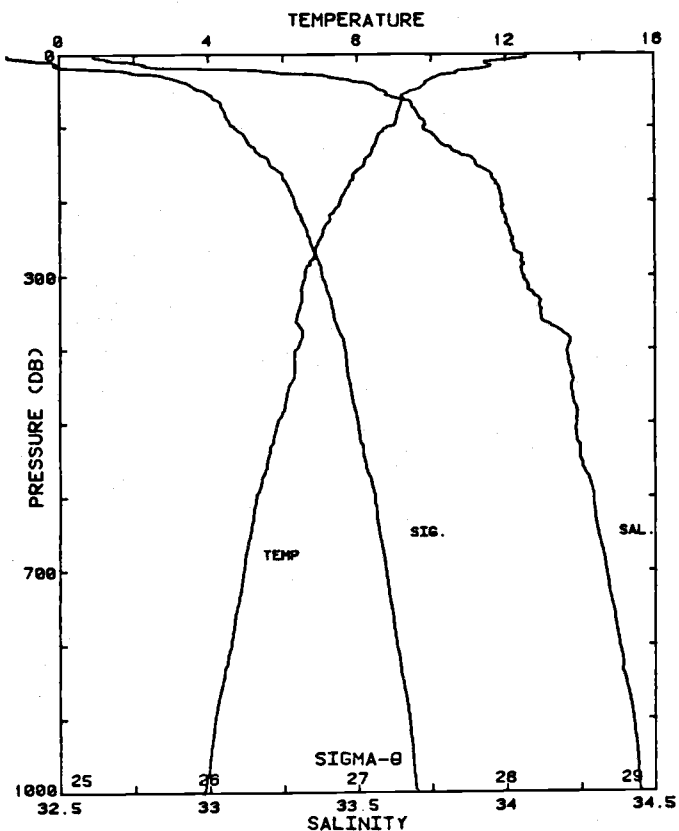
STATION 33 ELK9

STA NO 33 ELK9 LAT: 39 7.4 N LONG:124 17.7 W
 20 MAY 1981 0106 GMT PROBE 2567 DEPTH 2288M
 51.1 KM FROM SHORE

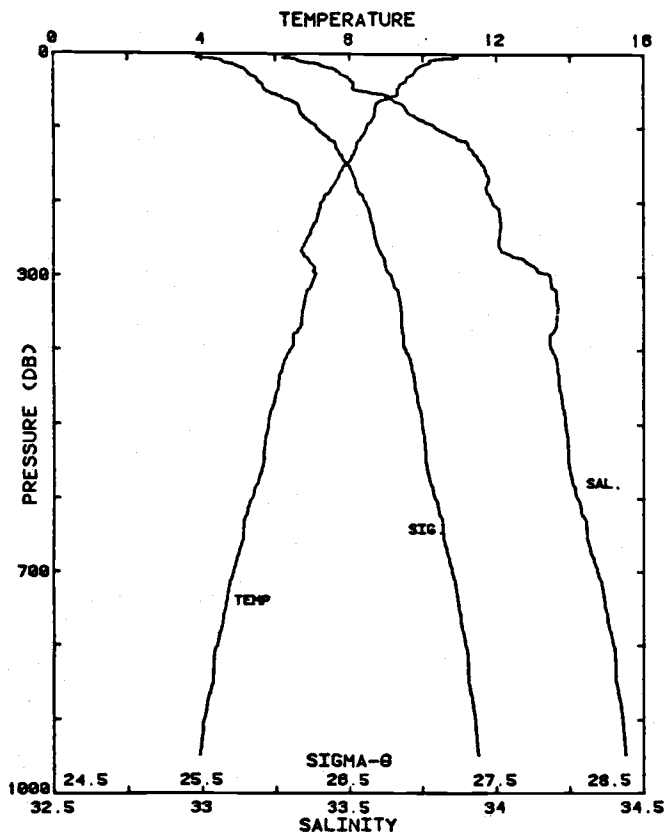
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.935	32.615	12.935	24.581	336.6	0.003
10	12.156	32.687	12.155	24.786	317.3	0.033
20	11.265	32.697	11.263	24.958	301.1	0.064
30	10.729	32.774	10.725	25.128	285.1	0.094
40	10.610	32.973	10.605	25.288	270.1	0.121
50	10.133	33.192	10.127	25.540	246.4	0.147
60	9.803	33.387	9.796	25.748	226.8	0.171
70	9.253	33.439	9.245	25.878	214.6	0.193
80	9.093	33.579	9.085	26.013	201.9	0.214
90	9.010	33.655	9.001	26.093	194.5	0.234
100	9.078	33.737	9.067	26.139	190.4	0.253
110	8.971	33.761	8.860	26.191	185.6	0.272
120	8.679	33.759	8.667	26.219	183.1	0.290
130	8.656	33.795	8.642	26.251	180.2	0.308
140	8.597	33.865	8.583	26.315	174.4	0.326
150	8.332	33.884	8.317	26.371	169.1	0.343
175	8.047	33.968	8.030	26.480	159.2	0.384
200	7.692	34.068	7.673	26.610	147.2	0.423
225	7.469	34.081	7.448	26.653	143.5	0.459
250	7.395	34.112	7.371	26.689	140.5	0.495
300	6.517	34.066	6.491	26.773	132.8	0.563
400	6.411	34.174	6.375	26.889	123.2	0.691
500	5.787	34.231	5.745	26.999	113.7	0.810
600	5.310	34.284	5.261	27.099	104.9	0.919
800	4.488	34.389	4.426	27.277	89.0	1.113
1000	3.885	34.447	3.810	27.388	79.3	1.280
1001	3.883	34.446	3.808	27.388	79.3	1.281

STA NO 34 ELK8 LAT: 39 7.1 N LONG:124 15.2 W
 20 MAY 1981 0216 GMT PROBE 2567 DEPTH 1827M
 45.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.555	32.614	12.555	24.653	329.7	0.003
10	11.614	32.678	11.613	24.879	308.4	0.032
20	11.342	32.940	11.340	25.132	284.6	0.062
30	10.200	33.387	10.197	25.680	232.6	0.088
40	9.827	33.526	9.823	25.852	216.5	0.110
50	9.541	33.574	9.535	25.936	208.7	0.132
60	9.217	33.619	9.210	26.024	200.5	0.152
70	9.167	33.683	9.160	26.083	195.2	0.172
80	9.091	33.701	9.083	26.109	192.9	0.191
90	9.052	33.717	9.043	26.127	191.3	0.210
100	8.803	33.722	8.792	26.171	187.3	0.229
110	8.569	33.753	8.558	26.231	181.7	0.248
120	8.499	33.772	8.486	26.258	179.4	0.266
130	8.390	33.816	8.377	26.309	174.7	0.284
140	8.287	33.864	8.272	26.362	169.9	0.301
150	8.164	33.897	8.149	26.407	165.8	0.318
175	7.776	33.965	7.759	26.517	155.6	0.358
200	7.517	33.985	7.497	26.571	150.9	0.396
225	7.236	33.998	7.215	26.621	146.4	0.433
250	6.987	34.020	6.964	26.673	141.7	0.469
300	6.571	34.055	6.544	26.757	134.3	0.538
400	6.342	34.204	6.307	26.906	121.6	0.666
500	5.814	34.234	5.771	26.998	113.8	0.784
600	5.253	34.291	5.204	27.111	103.7	0.893
800	4.585	34.379	4.522	27.258	91.0	1.088
1000	3.837	34.452	3.762	27.396	78.4	1.256
1001	3.832	34.453	3.758	27.398	78.3	1.257



STATION 34 ELK8



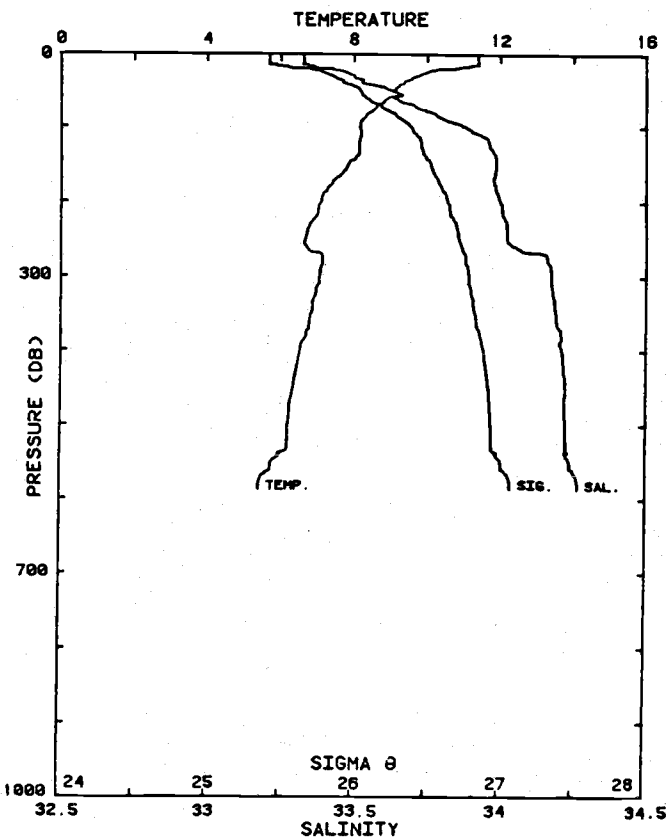
STATION 35 ELK7

STA NO 35 ELK7 LAT: 39 7.0 N LONG:124 8.7 W
 20 MAY 1981 0337 GMT PROBE 2567 DEPTH 951M
 37.9 KM FROM SHORE

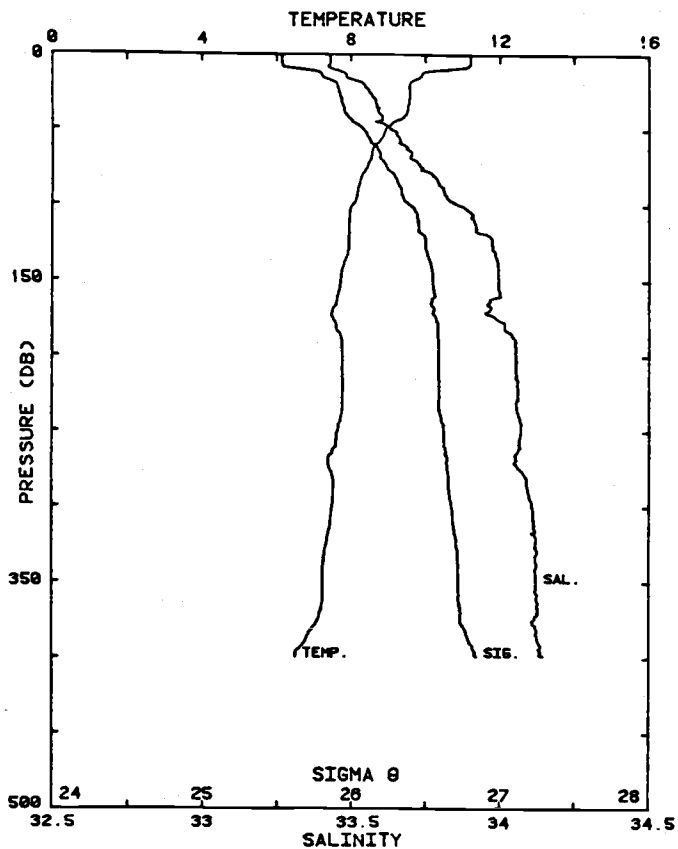
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
3	10.882	33.297	10.881	25.491	250.0	0.008
10	10.170	33.326	10.169	25.637	236.3	0.025
20	9.838	33.443	9.836	25.785	222.5	0.048
30	9.668	33.484	9.665	25.845	216.9	0.070
40	9.454	33.516	9.449	25.905	211.4	0.091
50	9.306	33.532	9.300	25.942	208.1	0.112
60	9.083	33.625	9.077	26.050	198.0	0.132
70	8.721	33.684	8.713	26.154	198.3	0.151
80	8.694	33.701	8.686	26.171	186.9	0.170
90	8.609	33.746	8.600	26.220	182.4	0.189
100	8.468	33.793	8.458	26.278	177.1	0.207
110	8.372	33.842	8.361	26.331	172.2	0.224
120	8.212	33.901	8.199	26.402	165.6	0.241
130	8.163	33.916	8.150	26.421	164.0	0.258
140	8.056	33.936	8.042	26.453	161.1	0.274
150	7.914	33.953	7.899	26.488	158.0	0.290
175	7.608	33.971	7.591	26.547	152.7	0.329
200	7.243	33.987	7.224	26.611	146.9	0.366
225	7.108	34.013	7.088	26.651	143.5	0.402
250	6.855	34.010	6.832	26.683	140.7	0.438
300	7.083	34.182	7.055	26.788	131.7	0.506
400	6.405	34.189	6.369	26.886	123.5	0.633
500	5.803	34.236	5.761	27.000	113.5	0.750
600	5.376	34.275	5.326	27.084	106.3	0.861
800	4.399	34.398	4.337	27.293	87.3	1.053
948	3.915	34.442	3.844	27.380	79.6	1.177

STA NO 36 ELK6 LAT: 39 7.0 N LONG:124 2.4 W
 20 MAY 1981 0510 GMT PROBE 2567 DEPTH 592M
 28.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.393	33.329	11.393	25.424	256.4	0.003
10	11.414	33.327	11.413	25.420	257.0	0.026
20	10.758	33.371	10.756	25.571	242.8	0.051
30	9.746	33.500	9.742	25.844	217.0	0.073
40	9.365	33.528	9.361	25.929	209.2	0.095
50	9.128	33.622	9.123	26.040	198.8	0.115
60	8.961	33.636	8.955	26.078	195.4	0.135
70	8.656	33.699	8.648	26.175	186.3	0.154
80	8.454	33.754	8.445	26.250	179.4	0.172
90	8.244	33.808	8.235	26.324	172.5	0.190
100	8.155	33.881	8.145	26.394	166.0	0.207
110	8.194	33.929	8.183	26.427	163.1	0.223
120	8.145	33.961	8.133	26.459	160.2	0.239
130	8.143	33.972	8.130	26.468	159.6	0.255
140	8.060	33.984	8.046	26.490	157.6	0.271
150	7.836	33.985	7.821	26.524	154.5	0.287
175	7.402	33.979	7.385	26.582	149.3	0.325
200	7.101	34.000	7.083	26.641	144.0	0.361
225	6.877	34.018	6.856	26.686	140.0	0.397
250	6.676	34.024	6.653	26.718	137.3	0.431
300	7.055	34.174	7.027	26.786	132.0	0.499
400	6.529	34.210	6.493	26.886	123.7	0.627
500	6.204	34.223	6.159	26.940	119.7	0.748
586	5.415	34.267	5.367	27.073	107.3	0.847



STATION 36 ELK6



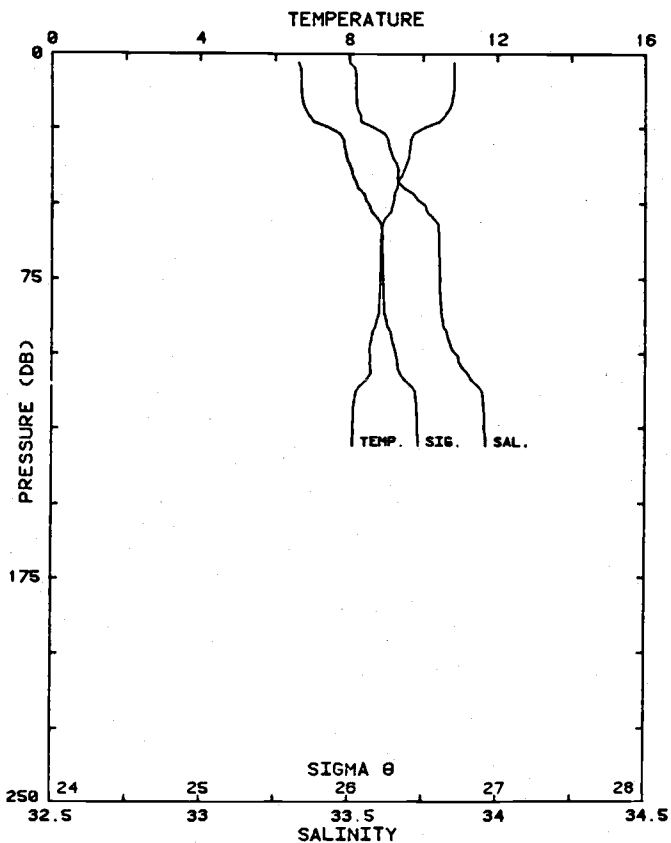
STATION 37 ELK5

STA NO 37 ELK5 LAT: 39 7.5 N LONG:123 58.5 W
 20 MAY 1981 0606 GMT PROBE 2567 DEPTH 400M
 22.9 KM FROM SHORE.

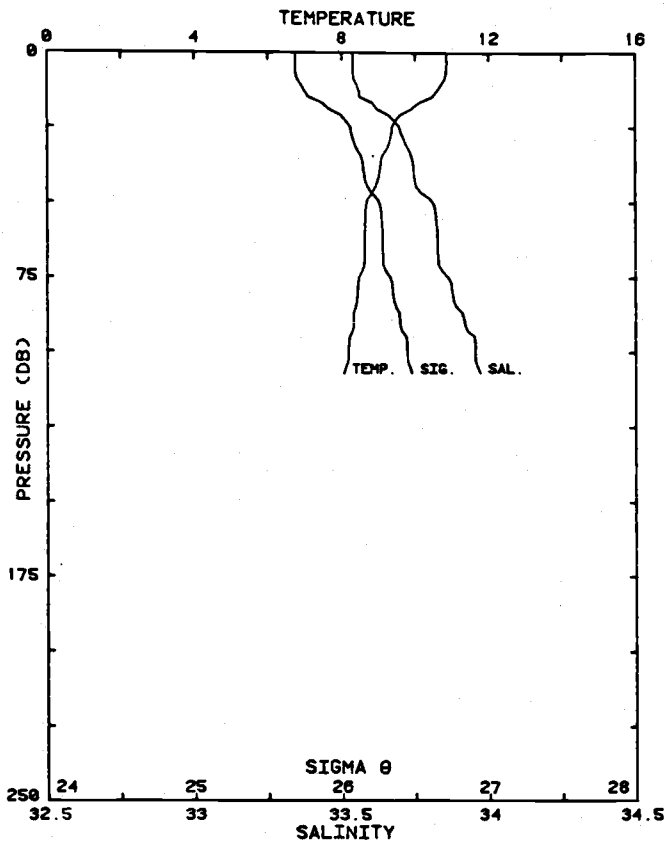
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
0	11.205	33.428	11.205	25.535	245.7	0.000
10	10.600	33.437	10.597	25.651	235.0	0.025
20	9.577	33.543	9.575	25.905	211.0	0.046
30	9.567	33.581	9.563	25.937	208.2	0.067
40	9.480	33.598	9.476	25.965	205.7	0.088
50	8.923	33.633	8.917	26.082	194.8	0.108
60	8.656	33.673	8.650	26.155	188.0	0.127
70	8.518	33.706	8.511	26.202	183.7	0.146
80	8.298	33.774	8.290	26.289	175.6	0.164
90	8.166	33.811	8.157	26.338	171.1	0.181
100	8.031	33.862	8.021	26.398	165.6	0.198
110	7.947	33.914	7.936	26.452	160.7	0.214
120	7.931	33.963	7.919	26.492	157.0	0.230
130	7.919	33.980	7.906	26.508	155.7	0.246
140	7.786	33.993	7.772	26.537	153.1	0.261
150	7.702	33.996	7.687	26.552	151.8	0.277
175	7.518	33.990	7.501	26.574	150.1	0.315
200	7.759	34.054	7.739	26.590	149.2	0.352
225	7.768	34.060	7.745	26.594	149.2	0.389
250	7.621	34.070	7.597	26.624	146.8	0.426
300	7.467	34.107	7.438	26.675	142.7	0.499
397	6.478	34.146	6.442	26.842	127.7	0.635

STA NO 39 ELK4 LAT: 39 7.0 N LONG:123 55.0 W
 20 MAY 1981 0737 GMT PROBE 2561 DEPTH 138M
 18.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
3	10.837	33.499	10.837	25.656	234.3	0.007
10	10.840	33.523	10.839	25.675	232.7	0.024
20	10.644	33.537	10.641	25.720	228.6	0.047
30	9.656	33.634	9.653	25.964	205.7	0.068
40	9.453	33.667	9.449	26.024	200.2	0.088
50	9.184	33.747	9.177	26.129	190.3	0.108
60	8.873	33.805	8.868	26.224	181.5	0.127
70	8.849	33.806	8.842	26.229	181.2	0.145
80	8.828	33.810	8.819	26.235	180.9	0.163
90	8.734	33.820	8.724	26.258	178.8	0.181
100	8.565	33.861	8.555	26.316	173.5	0.199
110	8.363	33.932	8.351	26.403	165.4	0.215
120	8.116	33.958	8.104	26.461	160.1	0.231
130	8.093	33.962	8.080	26.468	159.6	0.248
131	8.093	33.962	8.080	26.468	159.6	0.249



STATION 39 ELK4



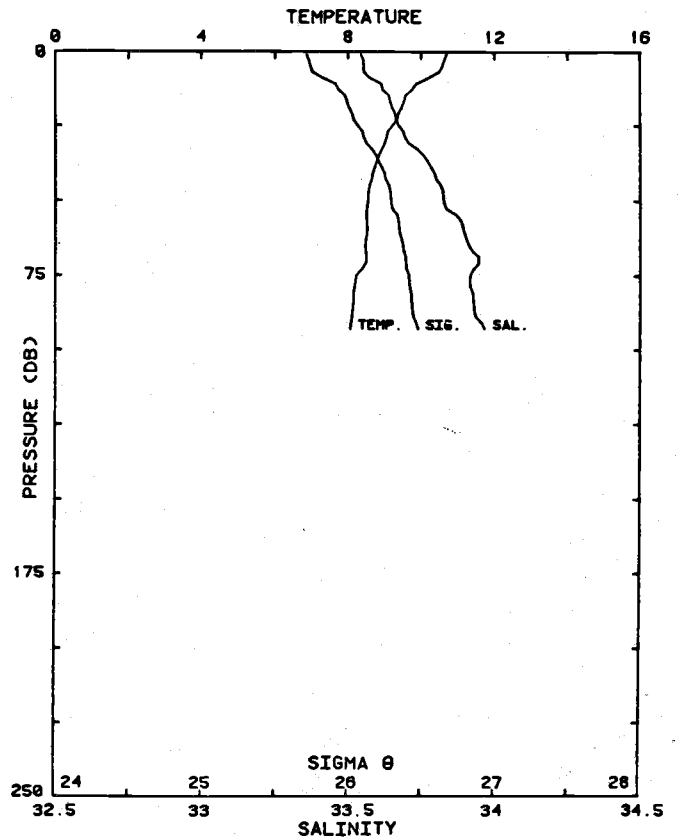
STATION 40 ELK3

STA NO 40 LK3 LAT: 38 7.1 N LONG:123 51.7 W
 20 MAY 1981 0818 GMT PROBE 2561 DEPTH 111M
 13.1 KM FROM SHORE

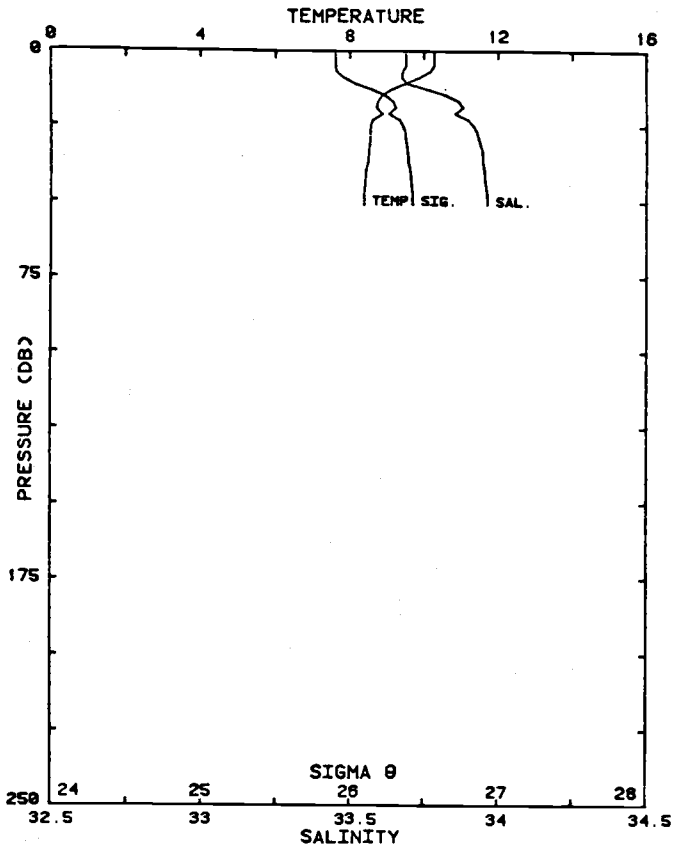
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.856	33.537	10.856	25.682	231.8	0.002
10	10.743	33.551	10.742	25.714	229.1	0.023
20	9.727	33.651	9.725	25.965	205.4	0.045
30	9.303	33.718	9.300	26.087	193.9	0.065
40	9.031	33.749	9.026	26.155	187.7	0.084
50	8.680	33.811	8.675	26.259	178.0	0.102
60	8.630	33.826	8.624	26.279	176.2	0.120
70	8.616	33.830	8.609	26.285	175.9	0.138
80	8.429	33.878	8.421	26.350	169.8	0.155
90	8.320	33.918	8.311	26.399	165.4	0.171
100	8.179	33.955	8.168	26.450	160.8	0.187
107	8.051	33.971	8.040	26.481	157.9	0.199

STA NO 41 LK2 LAT: 39 7.1 N LONG:123 48.1 W
 20 MAY 1981 0856 GMT PROBE 2561 DEPTH 96M
 7.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.698	33.547	10.698	25.718	228.4	0.002
10	10.019	33.607	10.019	25.832	213.1	0.023
20	9.430	33.659	9.427	26.020	200.1	0.043
30	9.030	33.702	9.026	26.119	190.9	0.062
40	8.696	33.794	8.693	26.243	179.3	0.081
50	8.544	33.830	8.539	26.295	174.6	0.099
60	8.527	33.898	8.520	26.351	169.4	0.116
70	8.489	33.948	8.481	26.396	165.3	0.133
80	8.159	33.924	8.151	26.427	162.5	0.149
90	8.091	33.948	8.082	26.456	159.9	0.165
93	8.052	33.968	8.042	26.478	157.9	0.170



STATION 41 ELK2



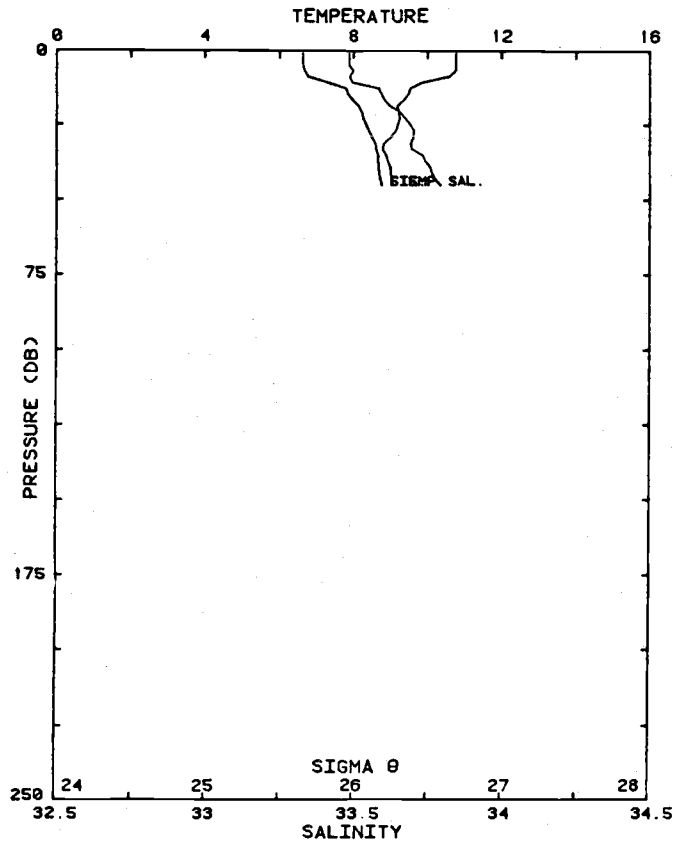
STATION 42 ELK1

STA NO 42 ELK1 LAT: 39 7.0 N LONG:123 44.6 W
 20 MAY 1981 0932 GMT PROBE 2561 DEPTH 54M
 2.6 KM FROM SHORE

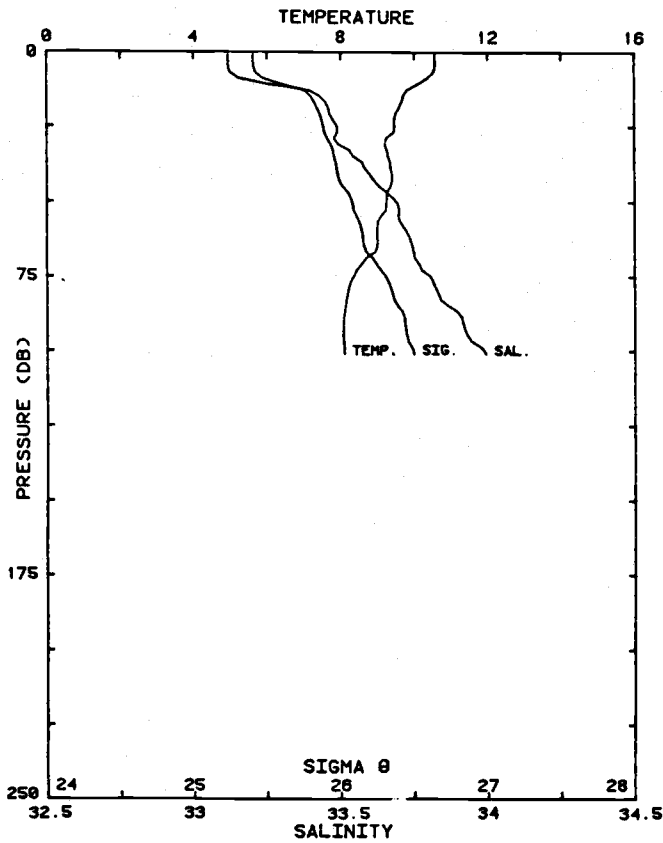
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	10.285	33.690	10.285	25.901	211.1	0.002
10	9.693	33.690	9.691	26.001	201.7	0.021
20	8.795	33.869	8.793	26.287	174.8	0.039
30	8.533	33.937	8.530	26.381	166.0	0.056
40	8.426	33.955	8.422	26.410	163.4	0.073
50	8.381	33.964	8.376	26.425	162.2	0.089
51	8.381	33.964	8.376	26.425	162.2	0.090

STA NO 43 AR1 LAT: 38 56.9 N LONG:123 46.1 W
 20 MAY 1981 1106 GMT PROBE 2561 DEPTH 42M
 2.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	10.771	33.484	10.771	25.656	234.2	0.002
10	10.206	33.502	10.205	25.768	223.9	0.023
20	9.200	33.639	9.198	26.042	198.0	0.044
30	8.902	33.700	8.899	26.138	189.1	0.063
40	8.996	33.761	8.991	26.170	186.2	0.082
45	9.019	33.792	9.014	26.190	184.4	0.091



STATION 43 AR 1



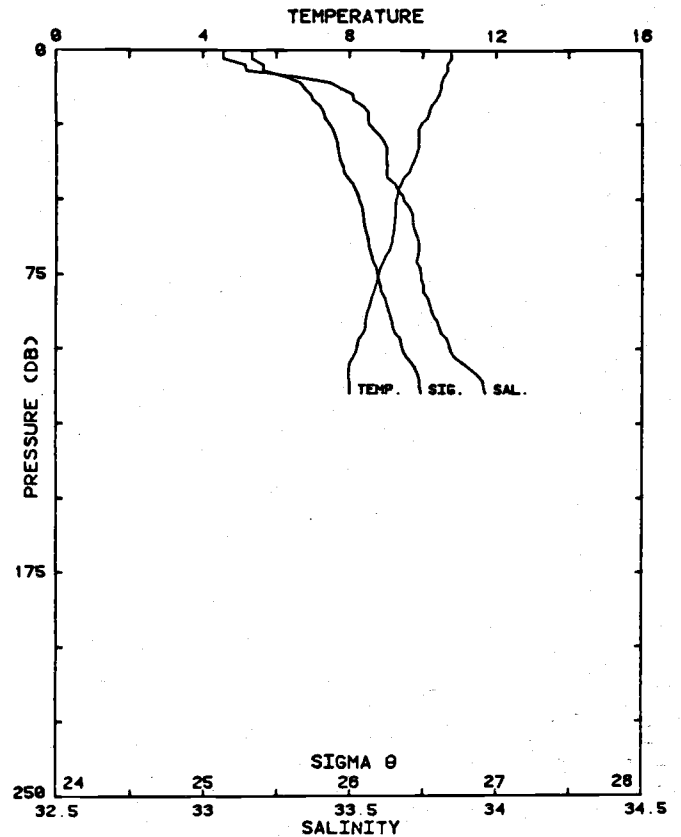
STATION 44 AR 2

STA NO 44 AR2 LAT: 38 55.8 N LONG:123 49.3 W
 20 MAY 1981 1213 GHT PROBE 2561 DEPTH 104M
 7.8 KM FROM SHORE

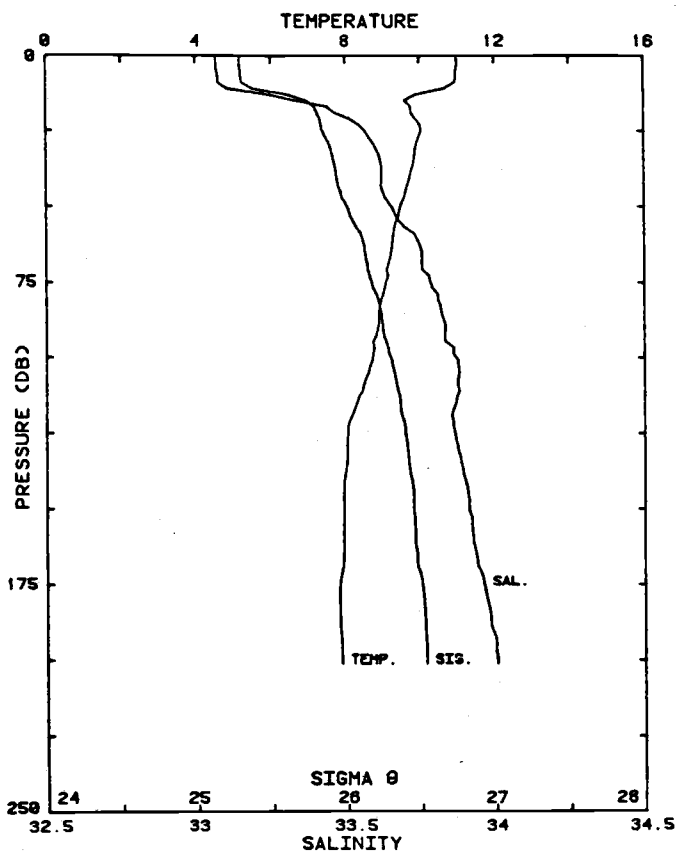
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.567	33.117	10.567	25.407	258.0	0.003
10	10.199	33.214	10.198	25.545	245.0	0.026
20	9.530	33.462	9.527	25.851	216.2	0.048
30	9.211	33.489	9.207	25.923	209.5	0.069
40	9.381	33.589	9.377	25.973	204.9	0.090
50	9.237	33.687	9.232	26.073	195.6	0.110
60	8.981	33.721	8.975	26.142	189.3	0.129
70	8.613	33.764	8.606	26.233	180.8	0.148
80	8.191	33.827	8.182	26.347	170.2	0.166
90	8.065	33.913	8.056	26.433	162.1	0.182
100	8.076	33.985	8.066	26.488	157.1	0.199
101	8.076	33.993	8.066	26.494	156.6	0.200

STA NO 45 AR3 LAT: 38 54.8 N LONG:123 52.5 W
 20 MAY 1981 1303 GHT PROBE 2561 DEPTH 126M
 12.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.772	33.069	10.772	25.333	265.0	0.003
10	10.538	33.376	10.536	25.613	238.6	0.026
20	10.195	33.558	10.193	25.814	219.7	0.049
30	9.879	33.610	9.876	25.908	211.0	0.070
40	9.654	33.630	9.649	25.942	206.1	0.091
50	9.271	33.686	9.266	26.048	196.2	0.111
60	9.195	33.722	9.189	26.108	192.5	0.130
70	8.936	33.732	8.929	26.158	188.0	0.149
80	8.675	33.752	8.668	26.214	182.8	0.168
90	8.431	33.793	8.422	26.285	176.3	0.186
100	8.186	33.844	8.176	26.361	169.2	0.203
110	7.984	33.945	7.973	26.471	158.9	0.220
115	7.990	33.963	7.979	26.483	157.8	0.227



STATION 45 AR 3



STATION 46 AR 4

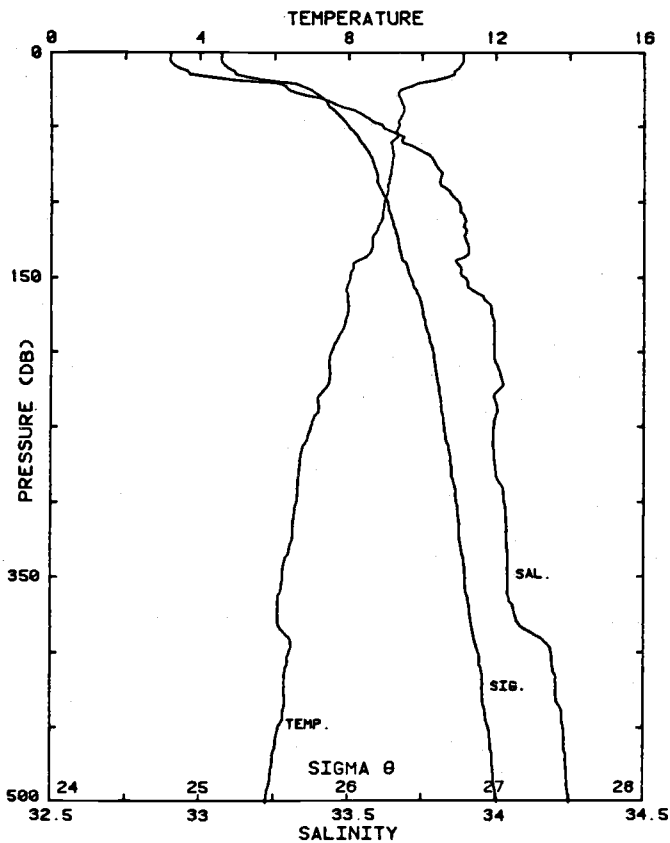
STA NO 46 AR4 LAT: 38 54.0 N LONG:123 55.9 W
 20 MAY 1981 1358 GMT PROBE 2561 DEPTH 206M
 18.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.009	33.069	11.009	25.292	268.9	0.003
10	10.797	33.099	10.796	25.353	263.3	0.026
20	9.838	33.486	9.836	25.819	219.3	0.050
30	9.897	33.599	9.893	25.897	212.0	0.072
40	9.732	33.624	9.727	25.944	207.8	0.093
50	9.470	33.656	9.465	26.012	201.5	0.113
60	9.265	33.738	9.259	26.109	192.4	0.133
70	9.119	33.758	9.111	26.149	188.8	0.152
80	8.968	33.812	8.960	26.215	182.8	0.171
90	8.859	33.835	8.849	26.250	179.6	0.189
100	8.708	33.872	8.697	26.303	174.8	0.207
110	8.449	33.880	8.437	26.350	170.5	0.223
120	8.117	33.860	8.105	26.385	167.3	0.241
130	8.010	33.875	7.998	26.413	164.8	0.258
140	7.943	33.899	7.929	26.441	162.3	0.274
150	7.924	33.912	7.909	26.455	161.2	0.289
175	7.817	33.961	7.799	26.509	156.4	0.330
200	7.864	34.006	7.845	26.537	154.2	0.369
201	7.864	34.006	7.844	26.537	154.2	0.370

STA NO 47 AR5 LAT: 38 53.1 N LONG:123 59.0 W
 20 MAY 1981 1456 GMT PROBE 2561 DEPTH 517M
 23.1 KM FROM SHORE

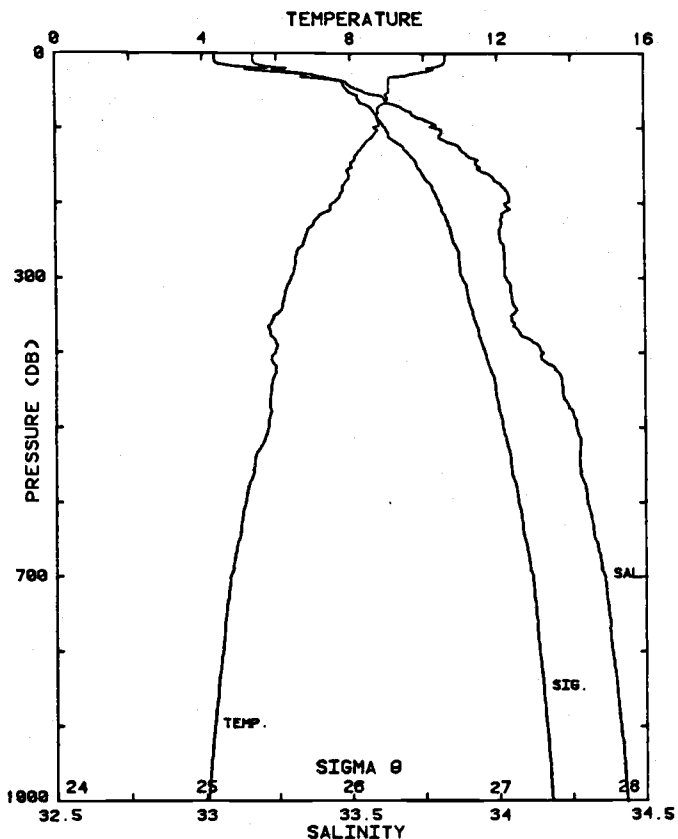
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.108	32.900	11.108	25.143	283.1	0.003
10	11.023	32.923	11.021	25.176	280.1	0.028
20	10.125	33.195	10.123	25.543	245.4	0.056
30	9.365	33.375	9.361	25.810	220.3	0.078
40	9.484	33.530	9.480	25.911	210.9	0.100
50	9.361	33.617	9.356	25.999	202.7	0.120
60	9.176	33.683	9.170	26.080	195.1	0.140
70	9.208	33.777	9.201	26.149	188.8	0.159
80	9.143	33.812	9.134	26.187	185.4	0.178
90	9.061	33.820	9.051	26.208	183.7	0.197
100	8.964	33.873	8.953	26.264	178.6	0.215
110	8.911	33.891	8.900	26.287	176.6	0.233
120	8.744	33.901	8.732	26.320	173.6	0.250
130	8.635	33.906	8.622	26.342	171.7	0.267
140	8.179	33.869	8.165	26.382	167.9	0.284
150	8.037	33.890	8.022	26.421	164.4	0.301
175	7.973	33.986	7.955	26.505	156.8	0.341
200	7.557	33.997	7.538	26.574	150.5	0.380
225	7.377	34.018	7.356	26.617	146.9	0.416
250	6.997	33.994	6.974	26.652	143.8	0.453
300	6.600	34.029	6.573	26.733	136.6	0.523
400	6.407	34.190	6.371	26.886	123.5	0.654
500	5.796	34.251	5.753	27.013	112.3	0.772
501	5.794	34.251	5.751	27.013	112.3	0.773

STATION 47 AR 5



STA NO 48 AR6 LAT: 38 52.1 N LONG:124 2.4 W
 20 MAY 1981 1558 GMT PROBE 2561 DEPTH 1393M
 28.1 KM FROM SHORE

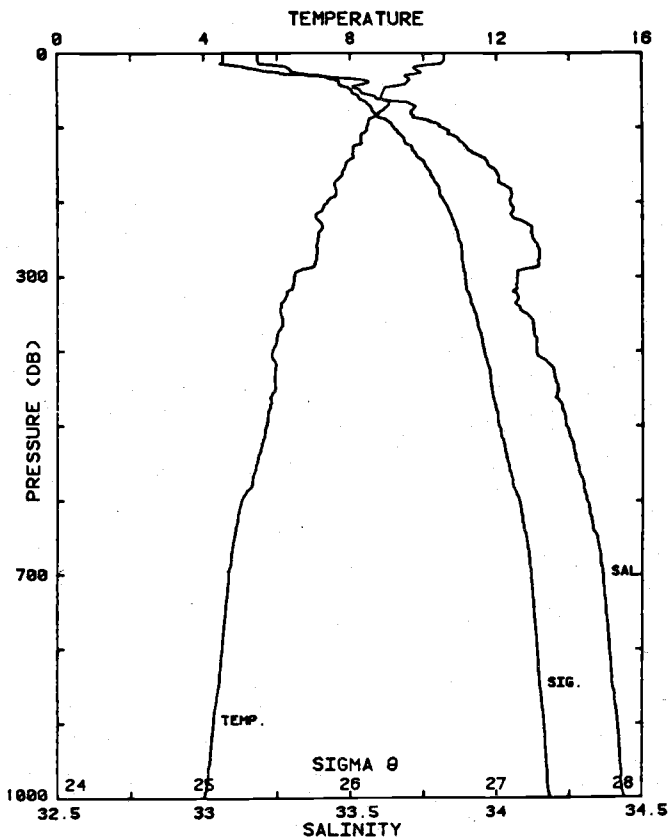
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.596	33.042	10.596	25.343	264.0	0.003
10	10.593	33.042	10.592	25.344	264.2	0.026
20	10.222	33.173	10.219	25.510	248.6	0.053
30	9.580	33.355	9.576	25.760	225.1	0.077
40	9.052	33.489	9.048	25.948	207.3	0.098
50	9.062	33.535	9.057	25.983	204.2	0.118
60	9.022	33.615	9.016	26.053	197.8	0.139
70	8.819	33.658	8.811	26.118	191.7	0.158
80	8.772	33.709	8.763	26.166	187.4	0.177
90	8.752	33.754	8.743	26.204	184.0	0.196
100	8.656	33.783	8.646	26.242	180.6	0.214
110	8.623	33.807	8.612	26.266	178.5	0.232
120	8.408	33.840	8.397	26.325	173.0	0.249
130	8.258	33.881	8.245	26.379	168.0	0.266
140	8.125	33.914	8.111	26.426	163.8	0.283
150	8.024	33.932	8.009	26.455	161.1	0.300
175	7.847	34.013	7.829	26.545	153.0	0.339
200	7.539	34.035	7.520	26.607	147.4	0.377
225	7.006	34.014	6.986	26.666	142.0	0.412
250	6.749	34.011	6.727	26.699	139.2	0.448
300	6.369	34.029	6.342	26.764	133.6	0.516
400	5.952	34.152	5.918	26.915	120.4	0.642
500	5.747	34.268	5.703	27.033	110.4	0.757
600	5.118	34.304	5.069	27.138	101.0	0.862
800	4.478	34.386	4.416	27.275	89.2	1.050
1000	4.043	34.436	3.967	27.363	82.1	1.220
1001	4.042	34.436	3.966	27.363	82.0	1.221



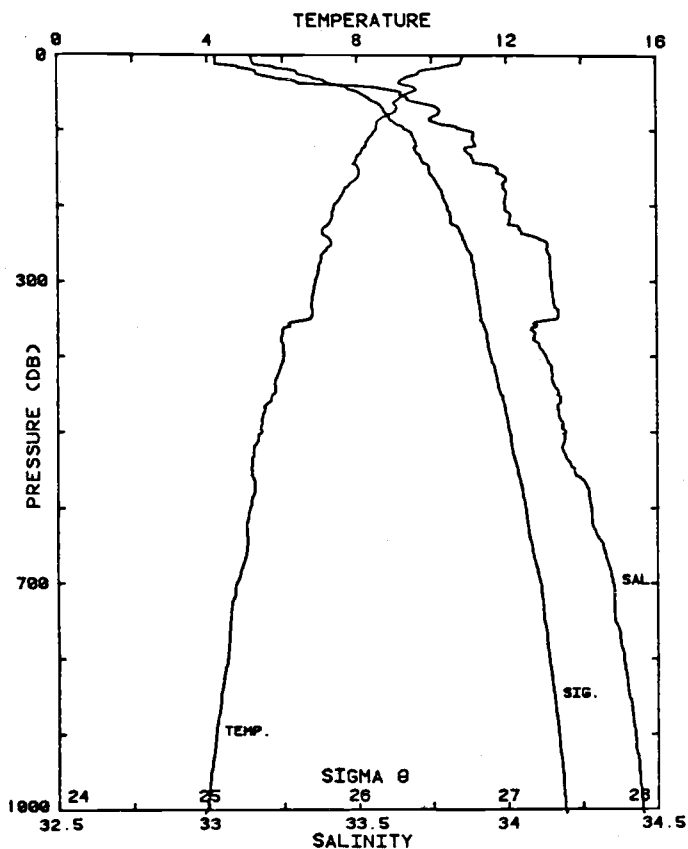
STATION 48 AR 6

STA NO 49 AR7 LAT: 38 50.2 N LONG:124 8.1 W
 20 MAY 1981 1714 GMT PROBE 2561 DEPTH 2154M
 37.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.576	33.062	10.576	25.362	262.2	0.003
10	10.567	33.068	10.566	25.368	261.8	0.026
20	9.747	33.142	9.745	25.565	243.4	0.052
30	9.617	33.316	9.614	25.722	228.6	0.076
40	9.555	33.562	9.550	25.925	209.6	0.097
50	8.924	33.531	8.918	26.002	202.4	0.118
60	8.839	33.584	8.833	26.058	197.3	0.138
70	9.049	33.712	9.042	26.124	191.3	0.157
80	8.804	33.708	8.796	26.160	188.0	0.176
90	8.502	33.756	8.493	26.244	180.2	0.195
100	8.448	33.809	8.437	26.294	175.6	0.213
110	8.291	33.842	8.280	26.344	171.0	0.230
120	8.297	33.879	8.285	26.372	168.5	0.247
130	8.066	33.901	8.053	26.424	163.7	0.264
140	8.079	33.949	8.065	26.460	160.5	0.280
150	7.871	33.972	7.856	26.508	156.1	0.296
175	7.560	34.010	7.543	26.584	149.2	0.334
200	7.363	34.047	7.344	26.641	144.2	0.370
225	7.123	34.078	7.102	26.700	138.9	0.406
250	7.105	34.124	7.081	26.739	135.6	0.440
300	6.469	34.072	6.443	26.784	131.7	0.507
400	5.863	34.137	5.829	26.913	120.3	0.633
500	5.713	34.237	5.671	27.013	112.2	0.749
600	5.018	34.312	4.970	27.155	99.2	0.855
800	4.478	34.389	4.416	27.278	89.0	1.041
1000	4.015	34.441	3.940	27.369	81.4	1.212
1001	4.010	34.441	3.935	27.370	81.3	1.212



STATION 49 AR 7

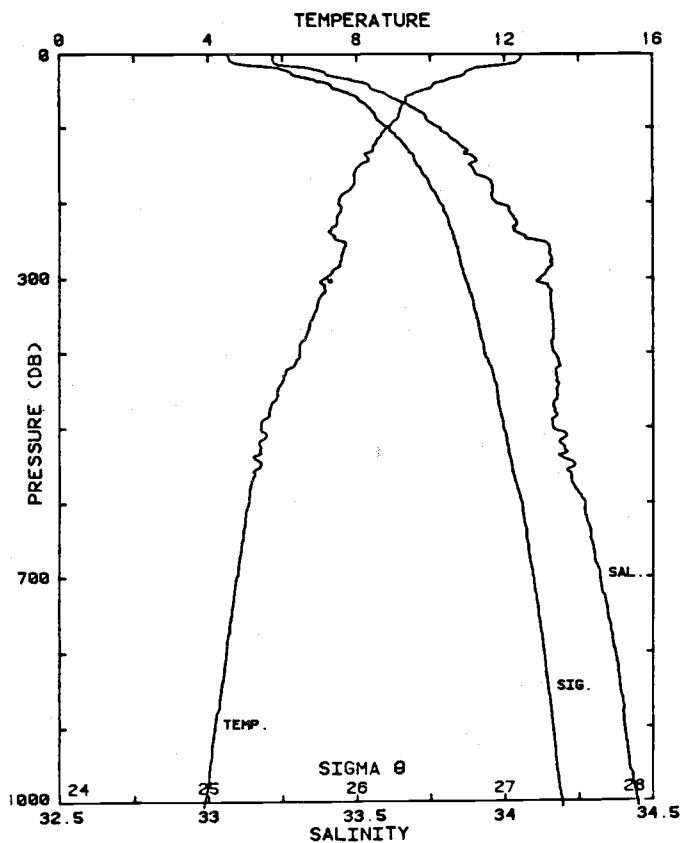


STA NO 50 AR8 LAT: 38 48.3 N LONG:124 14.1 W
 20 MAY 1981 1840 GMT PROBE 2561 DEPTH 2936M
 46.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.825	33.025	10.825	25.290	269.1	0.003
10	10.779	33.028	10.778	25.301	268.3	0.027
20	9.773	33.162	9.771	25.576	242.3	0.053
30	9.283	33.222	9.280	25.703	230.4	0.077
40	9.318	33.436	9.314	25.864	215.3	0.099
50	9.394	33.649	9.389	26.019	200.8	0.119
60	9.055	33.675	9.049	26.094	193.9	0.139
70	9.052	33.769	9.045	26.168	187.1	0.158
80	8.790	33.767	8.781	26.208	183.4	0.177
90	8.505	33.764	8.496	26.250	179.6	0.195
100	8.471	33.864	8.460	26.333	171.9	0.213
110	8.299	33.887	8.288	26.378	167.8	0.230
120	8.214	33.895	8.202	26.397	166.2	0.246
130	8.080	33.872	8.067	26.399	166.1	0.263
140	7.948	33.889	7.934	26.432	163.1	0.279
150	8.022	33.967	8.008	26.482	158.6	0.296
175	7.706	33.993	7.689	26.550	152.5	0.334
200	7.365	33.995	7.347	26.600	148.0	0.372
225	7.200	34.007	7.179	26.633	145.2	0.408
250	7.290	34.135	7.266	26.721	137.4	0.444
300	6.851	34.150	6.824	26.794	131.0	0.510
400	6.016	34.129	5.982	26.889	122.9	0.637
500	5.416	34.195	5.375	27.015	111.6	0.754
600	5.099	34.281	5.050	27.122	102.4	0.861
800	4.488	34.389	4.425	27.277	89.1	1.052
1000	3.935	34.451	3.860	27.386	79.6	1.220
1005	3.892	34.453	3.817	27.391	79.1	1.223

STA NO 51 NOR9 LAT: 38 31.5 N LONG:124 8.0 W
 20 MAY 1981 2113 GMT PROBE 2561 DEPTH 2941M
 55.9 KM FROM SHORE

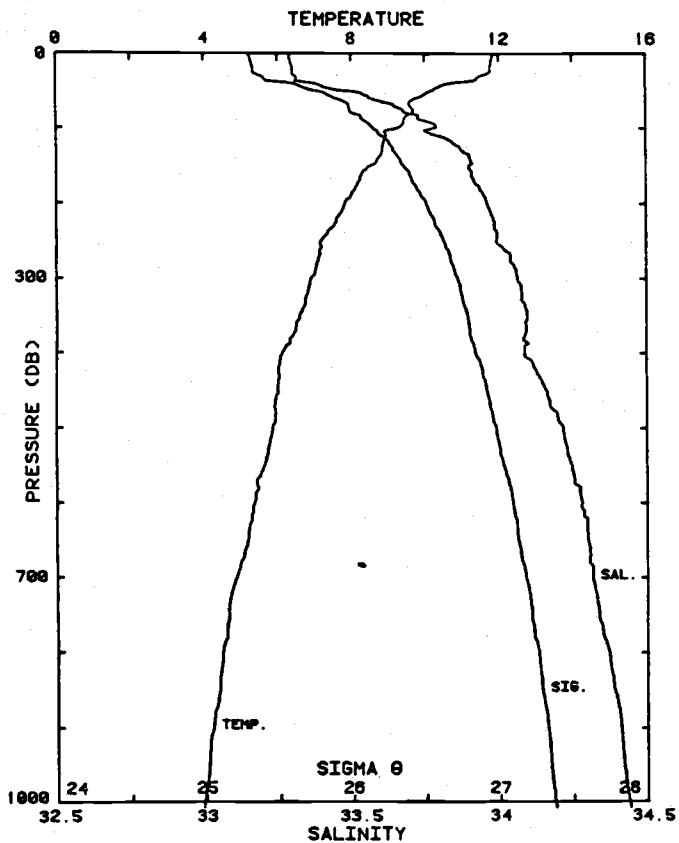
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.467	33.205	12.467	25.127	284.6	0.003
10	12.389	33.219	12.389	25.153	282.3	0.029
20	11.180	33.350	11.178	25.479	251.5	0.056
30	10.839	33.416	10.835	25.592	241.1	0.080
40	10.137	33.535	10.132	25.807	220.8	0.103
50	9.759	33.569	9.753	25.897	212.4	0.125
60	9.335	33.620	9.329	26.007	202.2	0.145
70	9.227	33.678	9.220	26.069	196.5	0.165
80	9.160	33.722	9.152	26.115	192.4	0.185
90	9.052	33.741	9.043	26.146	189.5	0.204
100	8.812	33.781	8.803	26.216	183.1	0.223
110	8.663	33.811	8.651	26.262	178.8	0.241
120	8.519	33.843	8.506	26.310	174.5	0.259
130	8.429	33.875	8.416	26.349	170.9	0.275
140	8.292	33.898	8.278	26.388	167.4	0.293
150	8.076	33.885	8.061	26.410	165.4	0.309
175	7.924	33.958	7.907	26.490	158.2	0.349
200	7.507	33.970	7.488	26.560	151.9	0.389
225	7.468	34.037	7.447	26.619	146.7	0.425
250	7.460	34.084	7.436	26.657	143.5	0.462
300	7.140	34.123	7.112	26.733	137.0	0.531
400	6.438	34.165	6.402	26.862	125.8	0.663
500	5.405	34.163	5.365	26.991	113.9	0.781
600	5.092	34.271	5.044	27.114	103.1	0.890
800	4.479	34.374	4.417	27.266	90.1	1.083
1000	3.891	34.450	3.816	27.389	79.2	1.253
1007	3.875	34.451	3.799	27.392	79.0	1.259



STATION 51 NOR9

STA NO 52 NOR8 LAT: 38 34.7 N LONG:124 3.1 W
 20 MAY 1981 2231 GMT PROBE 2561 DEPTH 2348M
 47.0 KM FROM SHORE

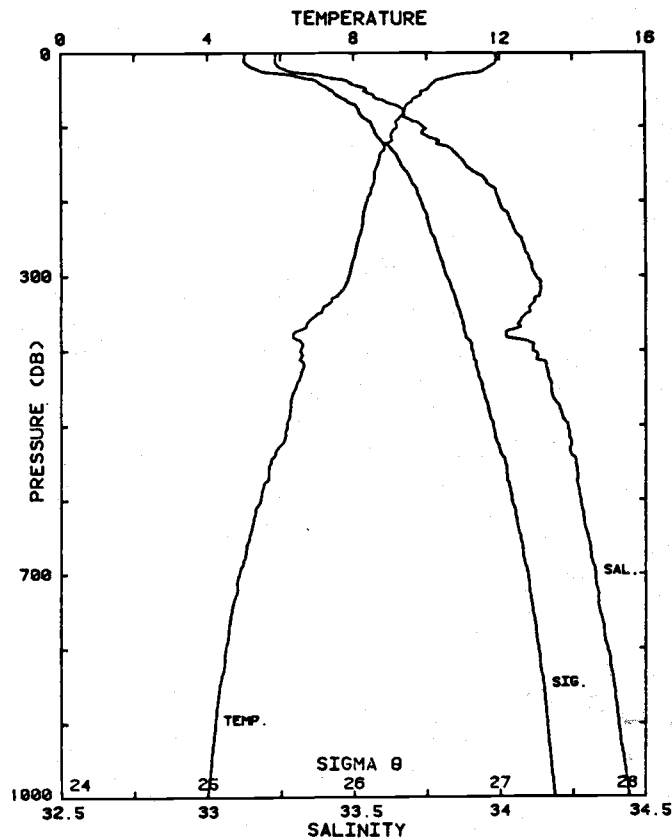
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.849	33.292	11.849	25.312	267.0	0.003
10	11.799	33.294	11.798	25.323	266.2	0.026
20	11.764	33.302	11.762	25.336	265.2	0.054
30	11.538	33.312	11.534	25.385	260.8	0.080
40	10.701	33.375	10.696	25.586	241.9	0.106
50	10.179	33.480	10.173	25.757	225.8	0.128
60	9.759	33.571	9.753	25.898	212.5	0.150
70	9.600	33.647	9.592	25.985	204.6	0.171
80	9.658	33.696	9.649	26.014	202.0	0.192
90	9.420	33.746	9.410	26.091	194.8	0.211
100	9.203	33.784	9.192	26.156	188.8	0.230
110	8.937	33.792	8.925	26.205	184.3	0.249
120	8.862	33.847	8.849	26.260	179.4	0.267
130	8.825	33.876	8.811	26.289	176.8	0.285
140	8.703	33.904	8.689	26.330	173.0	0.303
150	8.484	33.902	8.469	26.362	170.1	0.319
175	8.150	33.926	8.132	26.432	163.8	0.361
200	7.820	33.961	7.800	26.508	156.9	0.402
225	7.576	33.986	7.554	26.563	152.0	0.440
250	7.168	33.993	7.146	26.627	146.2	0.478
300	6.890	34.064	6.862	26.722	137.9	0.549
400	6.112	34.088	6.077	26.844	127.2	0.681
500	5.839	34.217	5.796	26.982	115.3	0.802
600	5.343	34.281	5.293	27.093	105.5	0.912
800	4.460	34.372	4.398	27.267	90.0	1.108
1000	3.931	34.440	3.855	27.378	80.4	1.279
1007	3.920	34.443	3.845	27.381	80.1	1.284



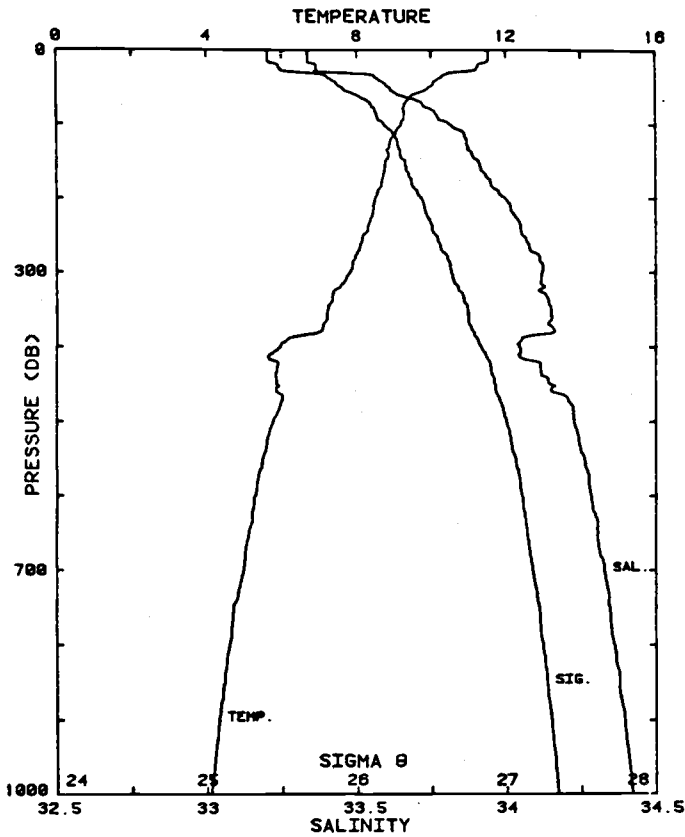
STATION 52 NOR8

STA NO 53 NOR7 LAT: 38 37.9 N LONG:123 58.2 W
 20 MAY 1981 2356 GMT PROBE 2561 DEPTH 2014M
 37.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.904	33.233	11.904	25.255	272.4	0.003
10	11.920	33.232	11.918	25.252	272.9	0.027
20	11.714	33.247	11.712	25.302	268.4	0.055
30	10.883	33.376	10.877	25.554	244.7	0.080
40	10.206	33.485	10.201	25.756	225.7	0.104
50	10.008	33.544	10.002	25.836	218.3	0.126
60	9.737	33.573	9.730	25.903	212.1	0.148
70	9.470	33.632	9.462	25.993	203.7	0.168
80	9.391	33.670	9.382	26.037	199.8	0.188
90	9.219	33.689	9.208	26.080	195.7	0.208
100	9.177	33.738	9.166	26.125	191.8	0.228
110	9.019	33.737	9.008	26.149	189.7	0.247
120	9.017	33.792	9.003	26.192	185.8	0.266
130	8.824	33.834	8.811	26.256	179.9	0.284
140	8.701	33.857	8.686	26.293	176.5	0.302
150	8.655	33.881	8.640	26.319	174.3	0.319
175	8.543	33.955	8.525	26.395	167.5	0.362
200	8.347	33.997	8.326	26.458	161.9	0.403
225	8.235	34.032	8.212	26.503	158.1	0.443
250	8.117	34.073	8.092	26.552	153.8	0.481
300	7.850	34.120	7.820	26.631	147.2	0.558
400	6.523	34.111	6.487	26.809	130.9	0.696
500	6.164	34.231	6.120	26.951	118.6	0.821
600	5.431	34.277	5.381	27.079	107.0	0.933
800	4.476	34.369	4.414	27.262	90.4	1.129
1000	3.977	34.445	3.901	27.377	80.6	1.299
1001	3.973	34.445	3.898	27.377	80.5	1.300



STATION 53 NOR7

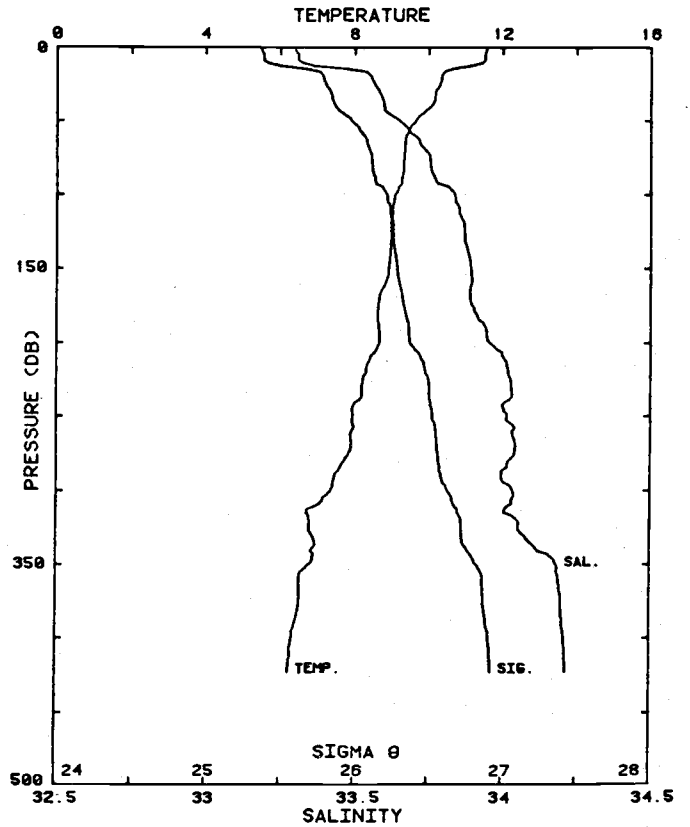


STA NO 54 NOR6 LAT: 38 40.9 N LONG:123 53.2 W
 21 MAY 1981 0116 GMT PROBE 2561 DEPTH 1170M
 28.5 KM FROM SHORE

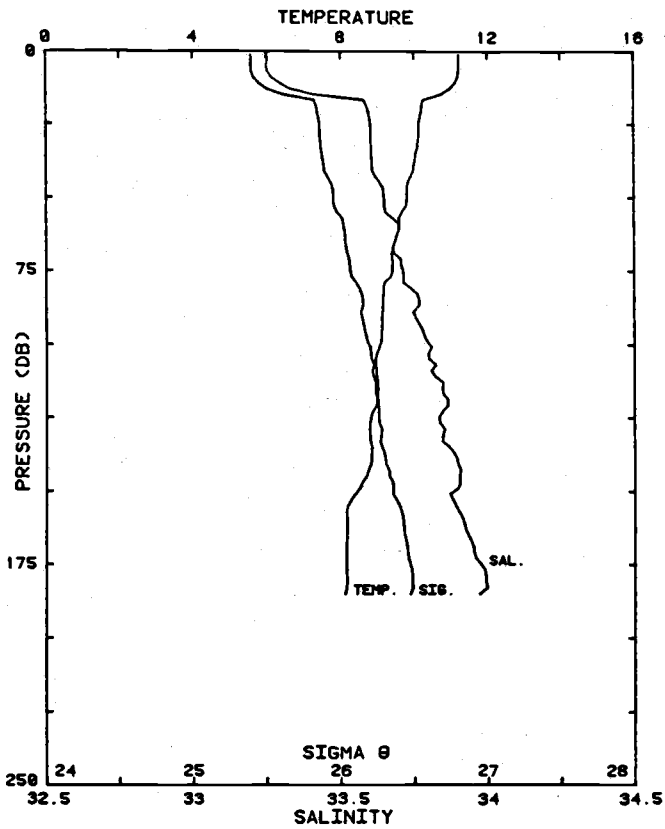
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.541	33.336	11.541	25.403	258.4	0.003
10	11.538	33.336	11.537	25.404	258.5	0.026
20	11.271	33.364	11.268	25.474	252.0	0.052
30	10.700	33.417	10.696	25.618	238.6	0.077
40	10.170	33.576	10.166	25.832	218.4	0.099
50	9.957	33.610	9.951	25.896	212.6	0.121
60	9.529	33.639	9.522	25.990	203.8	0.141
70	9.328	33.711	9.321	26.079	195.6	0.161
80	9.247	33.747	9.238	26.120	191.9	0.181
90	9.265	33.771	9.255	26.135	190.6	0.200
100	9.181	33.809	9.171	26.179	186.6	0.219
110	9.049	33.853	9.038	26.234	181.6	0.237
120	8.915	33.867	8.902	26.267	178.6	0.255
130	8.868	33.871	8.854	26.278	177.8	0.273
140	8.848	33.887	8.833	26.293	176.6	0.291
150	8.760	33.908	8.745	26.324	173.8	0.308
175	8.674	33.947	8.656	26.368	170.1	0.351
200	8.494	33.999	8.473	26.437	164.0	0.394
225	8.405	34.032	8.382	26.477	160.6	0.434
250	8.170	34.057	8.144	26.533	155.7	0.474
300	7.827	34.122	7.797	26.635	146.7	0.549
400	5.955	34.045	5.920	26.830	128.4	0.687
500	5.749	34.227	5.707	27.000	113.5	0.807
600	5.270	34.284	5.220	27.104	104.4	0.915
800	4.581	34.361	4.518	27.245	92.3	1.111
1000	4.103	34.422	4.027	27.346	83.8	1.286
1001	4.100	34.422	4.024	27.346	83.8	1.287

STA NO 55 NOR5 LAT: 38 42.8 N LONG:123 50.6 W
 21 MAY 1981 02 PROBE 2561 DEPTH M
 22.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.569	33.299	11.569	25.369	261.6	0.003
10	11.481	33.319	11.479	25.401	258.8	0.026
20	10.347	33.554	10.345	25.785	222.5	0.050
30	10.190	33.583	10.187	25.834	218.0	0.072
40	10.071	33.601	10.066	25.869	214.9	0.094
50	9.642	33.652	9.636	25.980	204.5	0.115
60	9.387	33.701	9.381	26.061	197.1	0.135
70	9.331	33.738	9.323	26.099	193.6	0.154
80	9.307	33.756	9.299	26.117	192.2	0.173
90	9.260	33.772	9.251	26.137	190.4	0.193
100	9.094	33.839	9.083	26.217	183.1	0.211
110	9.023	33.854	9.011	26.239	181.1	0.230
120	8.975	33.870	8.963	26.260	179.3	0.248
130	8.975	33.873	8.961	26.263	179.3	0.265
140	8.955	33.886	8.941	26.275	178.3	0.283
150	8.918	33.894	8.901	26.288	177.3	0.301
175	8.643	33.898	8.625	26.334	173.3	0.345
200	8.670	33.955	8.649	26.375	169.9	0.388
225	8.237	34.029	8.214	26.500	158.4	0.428
250	7.965	34.016	7.940	26.531	155.7	0.468
300	7.374	34.036	7.346	26.633	146.6	0.544
400	6.325	34.210	6.290	26.913	120.9	0.674
423	6.237	34.216	6.200	26.929	119.6	0.702



STATION 55 NOR5



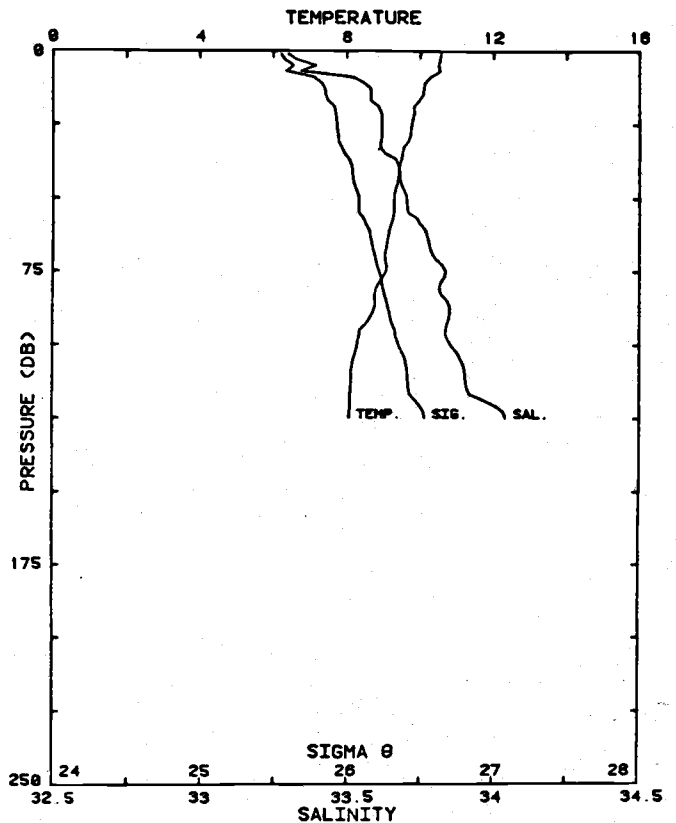
STATION 56 NOR4

STA NO 56 NOR4 LAT: 38 44.6 N LONG:123 48.0 W
 21 MAY 1981 0321 GMT PROBE 2561 DEPTH 189M
 18.0 KM FROM SHORE

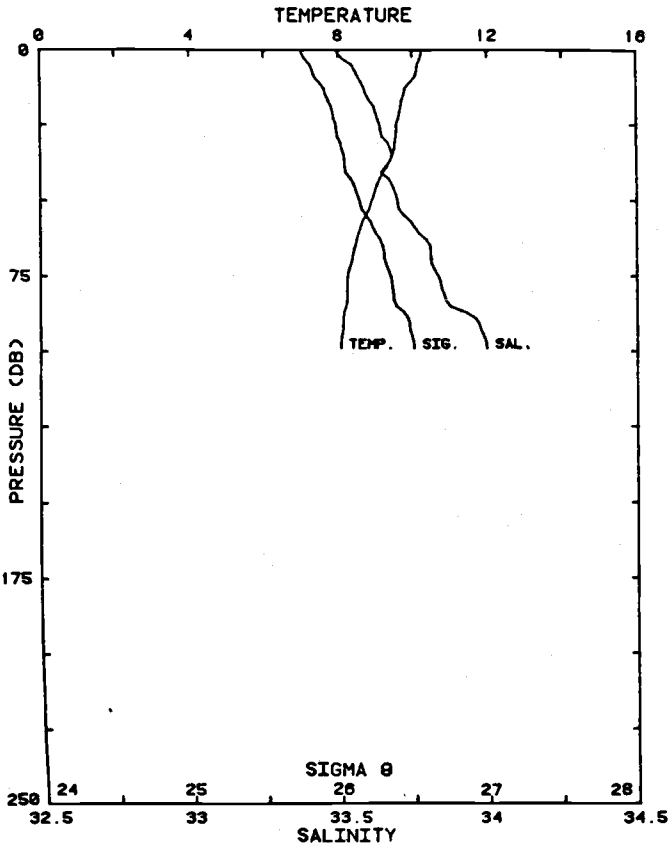
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.226	33.252	11.226	25.395	259.1	0.003
10	11.151	33.284	11.149	25.434	255.7	0.026
20	10.203	33.593	10.200	25.840	217.2	0.049
30	10.115	33.604	10.112	25.864	215.2	0.071
40	9.983	33.611	9.979	25.892	212.8	0.093
50	9.800	33.647	9.794	25.951	207.3	0.113
60	9.594	33.699	9.587	26.025	200.4	0.134
70	9.402	33.694	9.394	26.053	198.0	0.154
80	9.165	33.730	9.156	26.120	191.9	0.173
90	9.123	33.752	9.114	26.143	189.8	0.192
100	9.064	33.803	9.054	26.192	185.3	0.211
110	8.970	33.814	8.958	26.217	183.2	0.230
120	8.971	33.865	8.958	26.257	179.6	0.248
130	8.784	33.851	8.770	26.275	178.0	0.266
140	8.818	33.898	8.804	26.307	175.2	0.283
150	8.447	33.889	8.432	26.358	170.5	0.301
175	8.140	33.976	8.123	26.472	160.0	0.341
185	8.107	33.971	8.088	26.474	160.0	0.357

STA NO 57 NOR3 LAT: 38 46.5 N LONG:123 45.0 W
 21 MAY 1981 0418 GMT PROBE 2561 DEPTH 130M
 13.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.567	33.299	10.567	25.548	244.6	0.002
10	10.185	33.548	10.184	25.807	220.1	0.024
20	9.830	33.614	9.828	25.919	209.7	0.045
30	9.696	33.619	9.691	25.946	207.4	0.066
40	9.425	33.681	9.421	26.038	198.8	0.086
50	9.283	33.703	9.277	26.080	195.0	0.106
60	9.167	33.761	9.160	26.143	189.2	0.125
70	9.035	33.797	9.028	26.192	184.7	0.144
80	8.810	33.820	8.801	26.246	179.8	0.162
90	8.642	33.853	8.634	26.298	175.0	0.180
100	8.279	33.857	8.269	26.357	169.6	0.198
110	8.122	33.906	8.111	26.419	163.9	0.214
120	8.090	33.988	8.078	26.489	157.5	0.230
125	8.066	34.043	8.053	26.535	153.1	0.238



STATION 57 NOR3



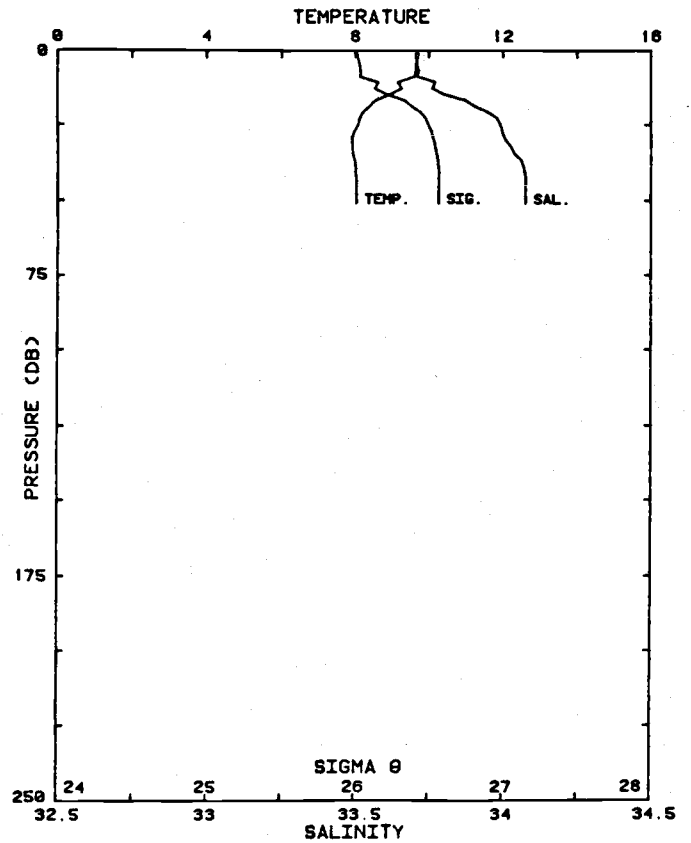
STATION 58 NOR2

STA NO 58 NOR2 LAT: 38 48.1 N LONG:123 42.7 W
 21 MAY 1981 0457 GMT PROBE 2561 DEPTH 102M
 7.8 KM FROM SHORE

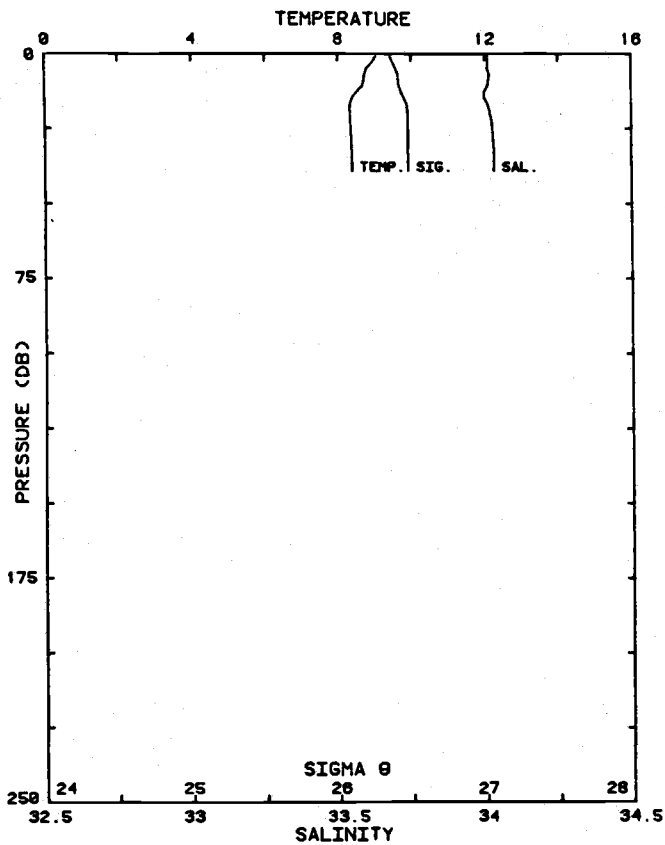
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.250	33.496	10.250	25.756	224.8	0.002
10	10.011	33.575	10.010	25.858	215.3	0.022
20	9.656	33.624	9.654	25.956	206.2	0.043
30	9.524	33.657	9.521	26.003	201.9	0.063
40	9.238	33.653	9.233	26.048	197.9	0.083
50	8.883	33.700	8.878	26.140	189.3	0.103
60	8.554	33.764	8.548	26.242	179.7	0.121
70	8.342	33.812	8.335	26.312	173.3	0.139
80	8.206	33.847	8.198	26.361	168.7	0.156
90	8.104	33.965	8.094	26.468	158.8	0.172
99	8.026	33.996	8.016	26.504	155.6	0.186

STA NO 59 NOR 1 LAT: 38 49.9 N LONG:123 40.2 W
 21 MAY 1981 0546 GMT PROBE 2561 DEPTH 56M
 3.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.706	33.706	9.706	26.011	200.5	0.002
10	9.366	33.743	9.365	26.097	192.6	0.020
20	8.276	33.932	8.274	26.416	162.5	0.038
30	7.901	34.007	7.898	26.530	151.8	0.054
40	8.008	34.070	8.004	26.563	148.8	0.069
50	8.031	34.076	8.027	26.565	148.9	0.084
51	8.032	34.076	8.027	26.565	148.9	0.085



STATION 59 NOR1



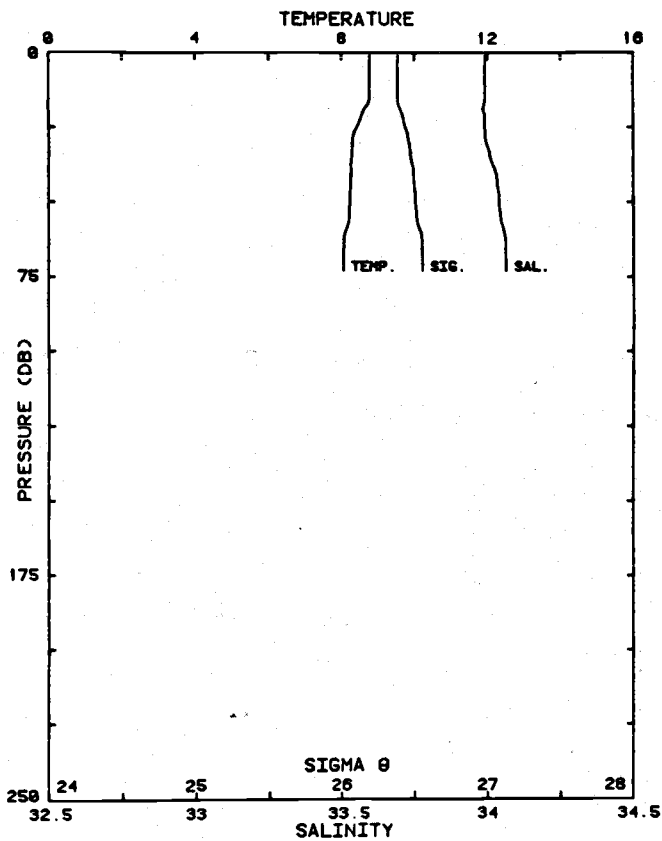
STATION 60 COC1

STA NO 60 COC1 LAT: 38 39.8 N LONG:123 25.5 W
 21 MAY 1981 0739 GMT PROBE 2561 DEPTH 42M
 1.1 KM FROM SHORE

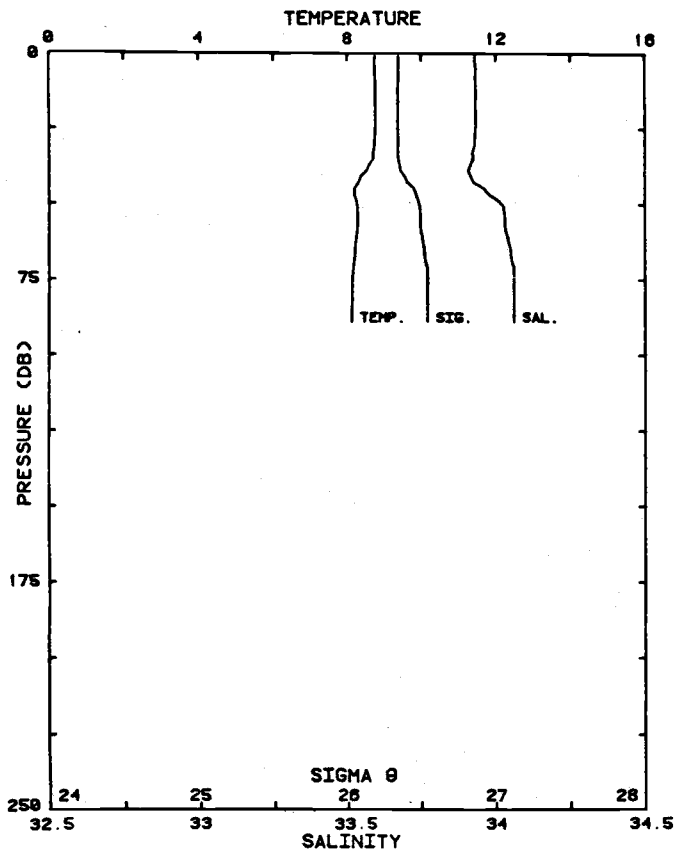
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.038	34.009	9.038	26.357	167.7	0.002
10	8.681	34.012	8.680	26.415	162.4	0.016
20	8.319	34.018	8.317	26.476	156.8	0.033
30	8.362	34.028	8.359	26.478	156.8	0.048
39	8.375	34.030	8.371	26.477	157.0	0.062

STA NO 61 COC2 LAT: 38 38.9 N LONG:123 27.0 W
 21 MAY 1981 0810 GMT PROBE 2561 DEPTH 78M
 3.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.766	33.991	8.766	26.386	165.0	0.002
10	8.764	33.991	8.764	26.386	165.2	0.016
20	8.582	33.991	8.580	26.415	162.6	0.033
30	8.297	33.995	8.293	26.461	158.4	0.049
40	8.257	34.027	8.252	26.492	155.6	0.065
50	8.227	34.038	8.222	26.507	154.5	0.081
60	8.097	34.056	8.090	26.541	151.4	0.095
70	8.043	34.061	8.036	26.552	150.3	0.111
73	8.044	34.061	8.037	26.552	150.6	0.115



STATION 61 COC2



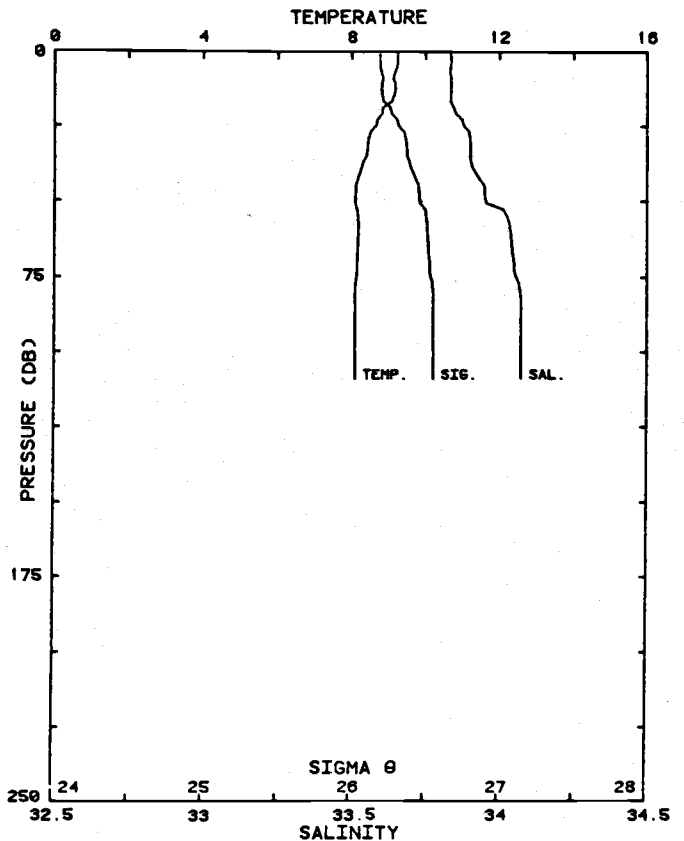
STATION 62 COC3

STA NO 62 COC3 LAT: 38 37.5 N LONG:123 28.9 W
 21 MAY 1981 0843 GMT PROBE 2561 DEPTH 93M
 7.6 KM FROM SHORE

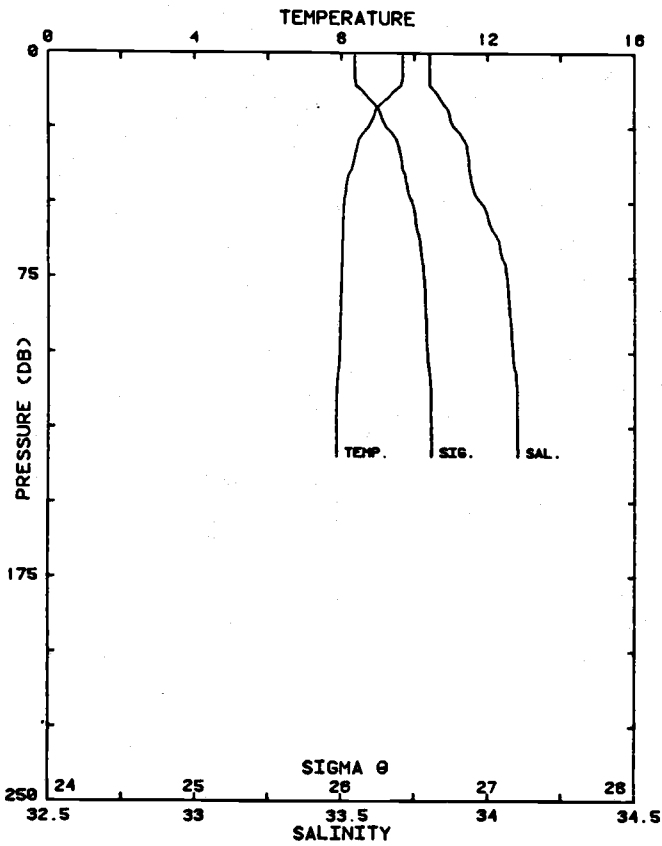
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	8.737	33.930	8.737	26.343	169.1	0.002
10	8.750	33.932	8.748	26.342	169.3	0.017
20	8.752	33.932	8.750	26.342	169.5	0.034
30	8.730	33.928	8.727	26.343	169.7	0.051
40	8.434	33.916	8.430	26.378	166.4	0.068
50	8.262	34.017	8.256	26.484	156.6	0.084
60	8.250	34.037	8.243	26.502	155.1	0.100
70	8.157	34.058	8.151	26.532	152.4	0.115
80	8.120	34.060	8.112	26.540	151.8	0.130
89	8.114	34.060	8.105	26.541	151.9	0.144

STA NO 63 COC4 LAT: 38 36.2 N LONG:123 30.8 W
 21 MAY 1981 0914 GMT PROBE 2561 DEPTH 111M
 11.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.240	33.835	9.240	26.188	183.7	0.002
10	9.141	33.834	9.140	26.205	182.4	0.018
20	8.822	33.854	8.820	26.270	176.4	0.036
30	8.432	33.901	8.429	26.368	167.2	0.054
40	8.236	33.915	8.232	26.408	163.6	0.071
50	8.099	33.953	8.094	26.459	158.9	0.087
60	8.186	34.036	8.180	26.511	154.2	0.102
70	8.151	34.047	8.144	26.524	153.1	0.117
80	8.098	34.069	8.090	26.551	150.8	0.133
90	8.093	34.073	8.083	26.554	150.7	0.148
100	8.093	34.073	8.083	26.555	150.8	0.163
109	8.094	34.073	8.083	26.554	151.0	0.176



STATION 63 COC4



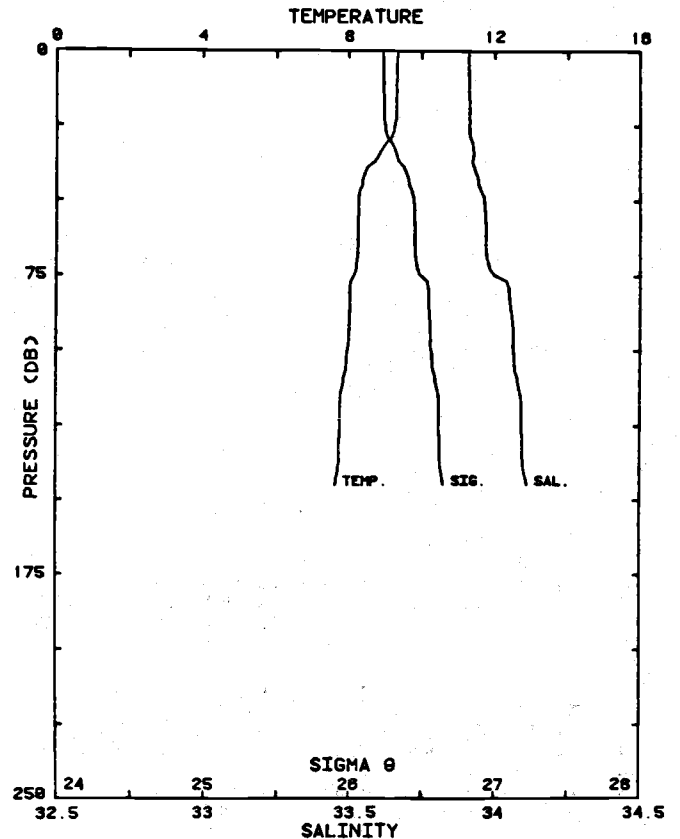
STATION 64 COCS

STA NO 64 COCS LAT: 38 34.6 N LONG:123 33.2 W
 21 MAY 1981 0950 GMT PROBE 2561 DEPTH 137M
 15.9 KM FROM SHORE

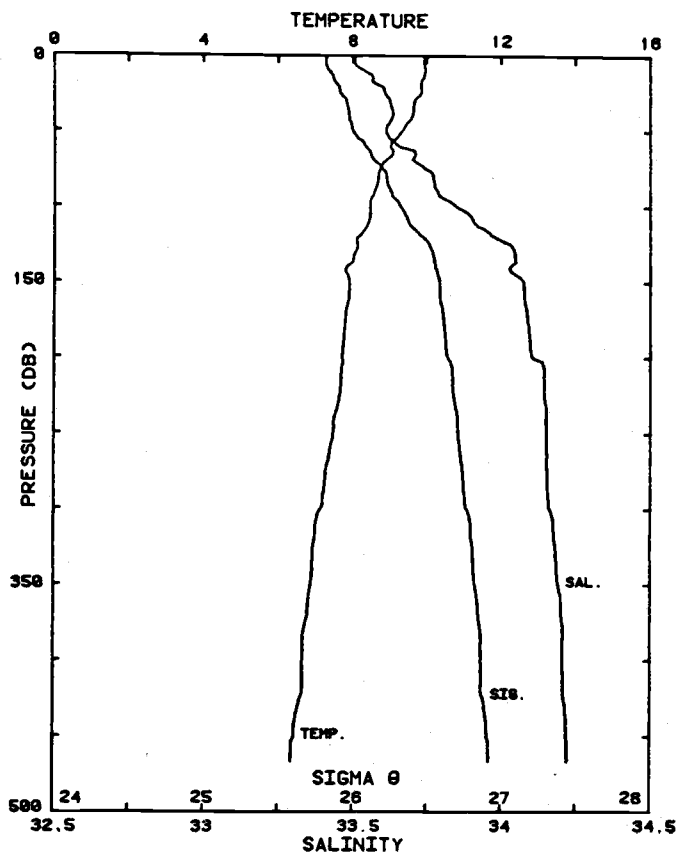
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.676	33.801	9.676	26.090	193.0	0.002
10	9.642	33.805	9.642	26.098	192.4	0.019
20	8.911	33.869	8.909	26.267	176.6	0.038
30	8.440	33.924	8.437	26.384	163.7	0.055
40	8.227	33.940	8.224	26.429	161.6	0.072
50	8.057	33.976	8.052	26.483	156.7	0.088
60	8.029	34.021	8.023	26.522	153.1	0.103
70	8.010	34.056	8.003	26.552	150.5	0.117
80	7.974	34.069	7.965	26.569	149.1	0.133
90	7.957	34.077	7.948	26.578	148.4	0.148
100	7.939	34.085	7.930	26.586	147.8	0.163
110	7.880	34.097	7.869	26.605	146.2	0.178
120	7.856	34.101	7.844	26.611	145.7	0.192
130	7.855	34.101	7.842	26.612	145.9	0.207
135	7.855	34.101	7.842	26.612	146.0	0.214

STA NO 65 COC6 LAT: 38 32.7 N LONG:123 36.3 W
 21 MAY 1981 1040 GMT PROBE 2561 DEPTH 148M
 21.5 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.336	33.913	9.336	26.234	179.4	0.002
10	9.304	33.911	9.303	26.238	179.2	0.018
20	9.300	33.913	9.298	26.240	179.2	0.036
30	9.083	33.923	9.080	26.283	175.4	0.054
40	8.467	33.938	8.463	26.392	165.2	0.071
50	8.252	33.964	8.247	26.444	160.4	0.087
60	8.233	33.970	8.227	26.451	159.8	0.103
70	8.209	33.977	8.202	26.461	159.1	0.119
80	8.021	34.050	8.013	26.547	151.1	0.135
90	8.008	34.061	7.999	26.557	150.3	0.149
100	7.961	34.065	7.951	26.568	149.5	0.164
110	7.844	34.079	7.832	26.596	147.0	0.179
120	7.758	34.091	7.746	26.618	145.0	0.194
130	7.734	34.095	7.721	26.625	144.6	0.208
140	7.694	34.100	7.681	26.635	143.9	0.223
145	7.632	34.110	7.618	26.652	142.3	0.230



STATION 65 COC6

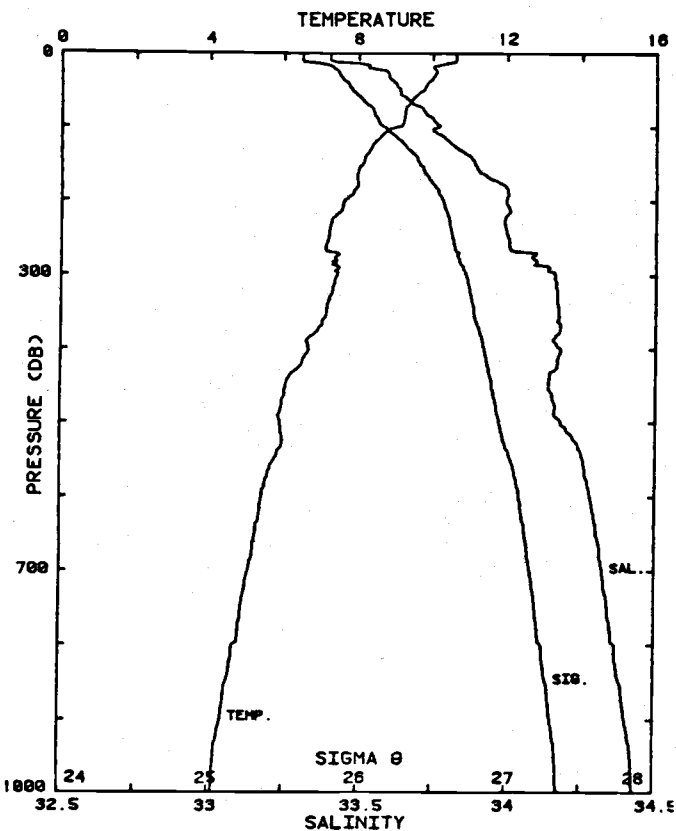


STA NO 66 COC7 LAT: 38 30.3 N LONG:123 39.6 W
21 MAY 1981 1135 GMT PROBE 2561 DEPTH 483M
28.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	9.935	33.507	9.935	25.818	218.9	0.002
10	9.947	33.535	9.946	25.838	217.2	0.022
20	9.838	33.590	9.835	25.899	211.6	0.043
30	9.661	33.625	9.658	25.956	206.4	0.064
40	9.597	33.635	9.592	25.975	204.9	0.085
50	9.327	33.612	9.322	26.001	202.5	0.105
60	9.014	33.654	9.007	26.084	194.8	0.125
70	8.863	33.711	8.855	26.153	188.5	0.144
80	8.679	33.770	8.670	26.228	181.5	0.163
90	8.574	33.785	8.564	26.256	179.0	0.181
100	8.463	33.848	8.453	26.322	172.9	0.199
110	8.425	33.908	8.415	26.375	168.1	0.215
120	8.153	33.979	8.141	26.472	159.1	0.231
130	8.072	34.045	8.059	26.536	153.1	0.248
140	7.841	34.033	7.827	26.561	150.9	0.263
150	7.905	34.074	7.890	26.584	148.9	0.278
175	7.790	34.089	7.773	26.613	146.6	0.314
200	7.703	34.104	7.683	26.638	144.7	0.351
225	7.637	34.146	7.615	26.680	141.0	0.386
250	7.470	34.153	7.445	26.710	138.6	0.421
300	7.136	34.164	7.107	26.766	133.9	0.490
400	6.670	34.207	6.634	26.865	125.7	0.618
467	6.362	34.222	6.320	26.918	121.4	0.701

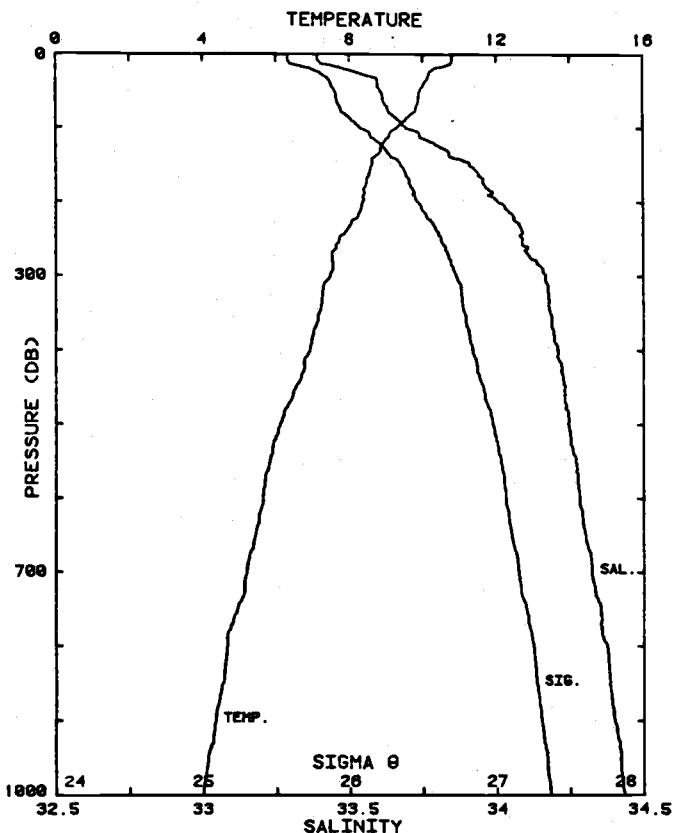
STA NO 67 COC8 LAT: 38 27.1 N LONG:123 44.2 W
21 MAY 1981 1249 GMT PROBE 2561 DEPTH 1168M
37.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.615	33.406	10.615	25.623	237.4	0.002
10	10.616	33.404	10.615	25.622	237.7	0.024
20	10.003	33.532	10.002	25.826	218.6	0.047
30	10.068	33.601	10.064	25.870	214.6	0.068
40	9.888	33.618	9.884	25.913	210.7	0.090
50	9.762	33.639	9.756	25.950	207.4	0.110
60	9.511	33.653	9.504	26.003	202.5	0.131
70	9.360	33.684	9.352	26.052	198.1	0.151
80	9.239	33.721	9.230	26.101	193.6	0.171
90	9.207	33.751	9.197	26.130	191.1	0.190
100	9.064	33.771	9.053	26.169	187.6	0.209
110	8.647	33.770	8.635	26.233	181.6	0.227
120	8.442	33.804	8.430	26.291	176.2	0.245
130	8.330	33.832	8.317	26.330	172.7	0.263
140	8.182	33.872	8.168	26.385	167.7	0.280
150	8.116	33.889	8.101	26.408	165.6	0.296
175	7.967	33.963	7.950	26.488	158.4	0.337
200	7.614	33.996	7.594	26.566	151.4	0.376
225	7.279	33.992	7.258	26.610	147.4	0.413
250	7.185	34.004	7.161	26.634	145.6	0.450
300	7.410	34.160	7.381	26.725	138.0	0.521
400	6.649	34.179	6.613	26.846	127.6	0.654
500	5.880	34.181	5.837	26.947	118.6	0.776
600	5.403	34.281	5.353	27.086	106.3	0.889
800	4.682	34.366	4.618	27.238	93.1	1.089
1000	4.108	34.432	4.031	27.354	83.1	1.264
1001	4.107	34.433	4.030	27.354	83.1	1.264



STA NO 68 COC9 LAT: 38 24.1 N LONG:123 49.3 W
 21 MAY 1981 1406 GMT PROBE 2561 DEPTH 1756M
 46.2 KM FROM SHORE LIN INT SAL. 17-31, 227DB

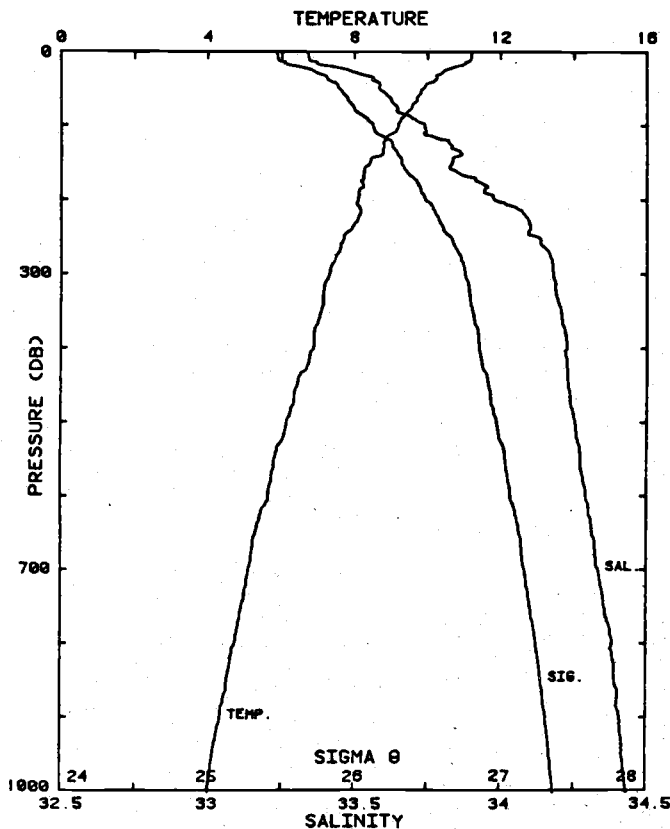
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.796	33.392	10.796	25.580	241.5	0.002
10	10.786	33.396	10.785	25.585	241.3	0.025
20	10.300	33.480	10.299	25.736	227.2	0.048
30	10.144	33.569	10.141	25.832	218.3	0.070
40	10.027	33.597	10.022	25.874	214.5	0.091
50	9.917	33.607	9.911	25.899	212.2	0.113
60	9.882	33.613	9.875	25.910	211.4	0.134
70	9.835	33.625	9.828	25.928	210.0	0.155
80	9.734	33.639	9.725	25.956	207.5	0.176
90	9.514	33.669	9.505	26.016	202.0	0.196
100	9.290	33.693	9.280	26.071	196.9	0.216
110	9.075	33.738	9.064	26.142	190.4	0.236
120	8.924	33.782	8.911	26.199	185.1	0.255
130	8.849	33.830	8.835	26.249	180.6	0.273
140	8.644	33.851	8.628	26.297	176.1	0.291
150	8.603	33.909	8.587	26.349	171.4	0.308
175	8.450	33.954	8.432	26.409	166.1	0.350
200	8.360	34.007	8.340	26.463	161.4	0.391
225	8.072	34.063	8.049	26.552	153.4	0.430
250	7.707	34.088	7.682	26.625	146.7	0.468
300	7.451	34.168	7.422	26.725	137.9	0.539
400	6.898	34.209	6.861	26.836	128.7	0.672
500	6.086	34.245	6.042	26.973	116.5	0.794
600	5.624	34.283	5.573	27.061	108.9	0.907
800	4.656	34.376	4.593	27.248	92.1	1.109
1000	4.001	34.435	3.924	27.366	81.6	1.283
1001	3.996	34.435	3.920	27.367	81.6	1.283



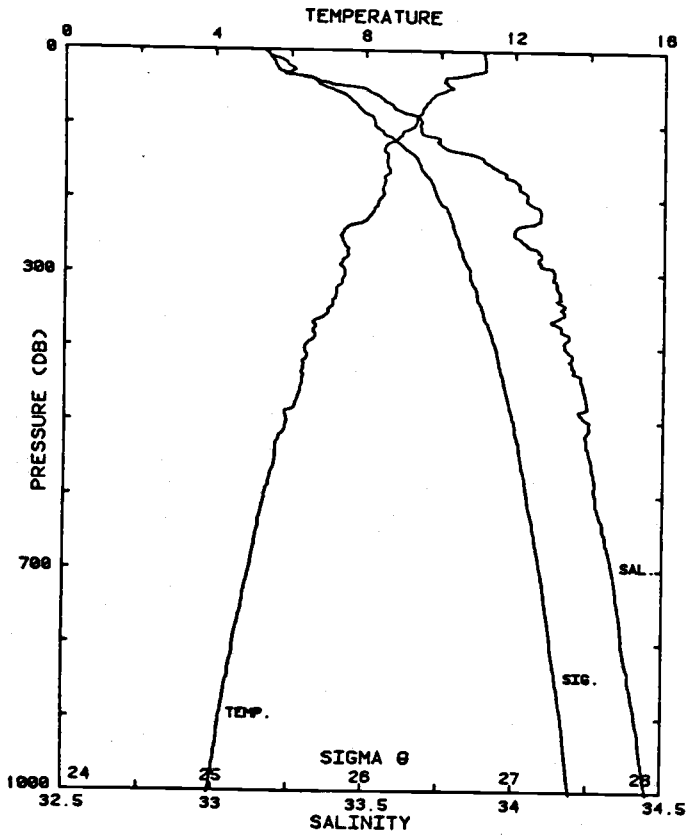
STATION 68 COC9

STA NO 69 COC10 LAT: 38 20.8 N LONG:123 54.5 W
 21 MAY 1981 1519 GMT PROBE 2561 DEPTH 2455M
 55.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.214	33.338	11.214	25.464	252.6	0.003
10	11.191	33.342	11.190	25.472	252.0	0.026
20	10.837	33.410	10.835	25.587	241.3	0.050
30	10.369	33.513	10.365	25.750	226.0	0.073
40	10.166	33.570	10.161	25.830	218.7	0.095
50	9.865	33.585	9.859	25.892	213.0	0.117
60	9.738	33.613	9.731	25.934	209.1	0.138
70	9.612	33.632	9.604	25.971	205.8	0.159
80	9.488	33.645	9.479	26.001	203.2	0.179
90	9.289	33.695	9.279	26.073	196.5	0.199
100	9.180	33.737	9.170	26.123	192.0	0.219
110	9.074	33.742	9.062	26.144	190.2	0.238
120	8.814	33.807	8.801	26.236	181.5	0.256
130	8.778	33.832	8.764	26.262	179.3	0.275
140	8.708	33.864	8.694	26.298	176.1	0.292
150	8.408	33.833	8.393	26.319	174.2	0.310
175	8.166	33.911	8.149	26.418	165.2	0.352
200	8.083	33.976	8.063	26.481	159.6	0.393
225	8.085	34.089	8.062	26.570	151.6	0.431
250	7.697	34.122	7.673	26.653	144.1	0.469
300	7.306	34.177	7.278	26.753	135.2	0.538
400	6.881	34.224	6.844	26.850	127.4	0.669
500	6.148	34.252	6.105	26.971	116.7	0.791
600	5.634	34.291	5.582	27.066	108.5	0.903
800	4.746	34.383	4.683	27.244	92.7	1.103
1000	4.016	34.432	3.940	27.363	82.0	1.277
1003	4.009	34.433	3.933	27.364	81.8	1.279



STATION 69 COC10



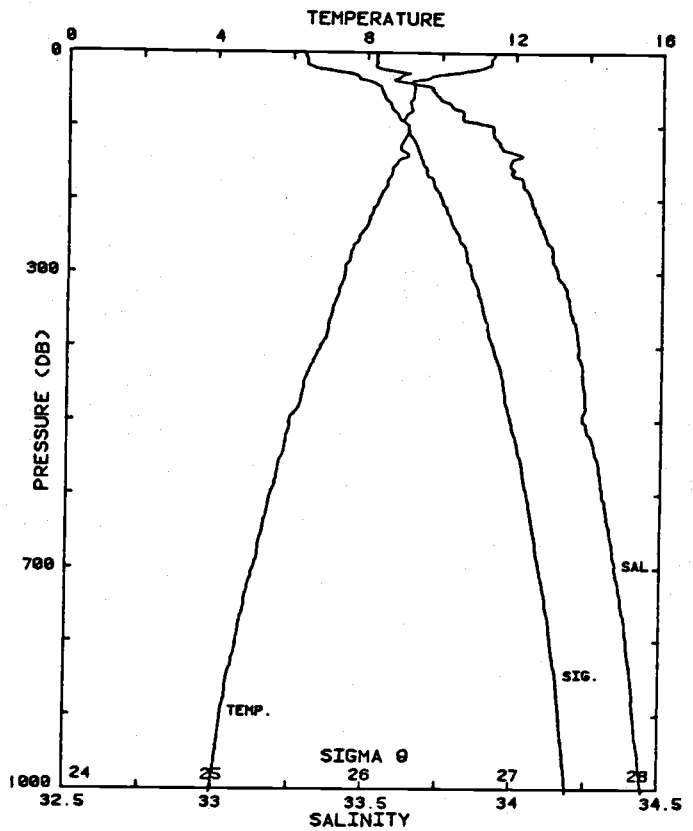
STATION 70 COC11

STA NO 70 COC11 LAT: 38 17.7 N LONG:123 59.2 W
 21 MAY 1981 1630 GMT PROBE 2561 DEPTH 3396M
 64.9 KM FROM SHORE

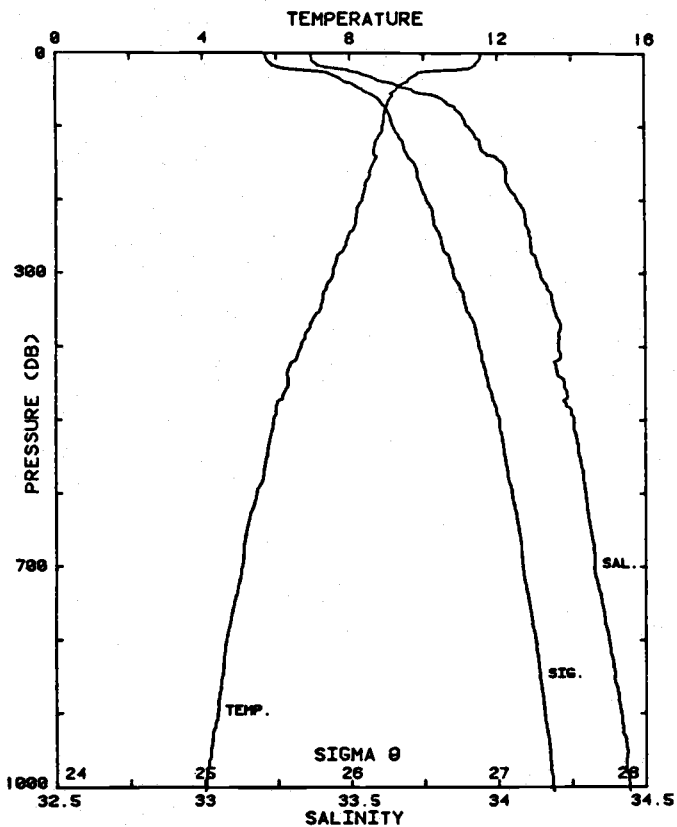
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.151	33.164	11.151	25.340	264.4	0.003
10	11.167	33.191	11.165	25.359	262.8	0.026
20	11.175	33.238	11.172	25.395	259.7	0.053
30	10.965	33.255	10.962	25.444	255.1	0.079
40	10.110	33.332	10.106	25.653	235.5	0.102
50	10.306	33.466	10.300	25.725	228.9	0.126
60	9.849	33.535	9.843	25.854	216.7	0.148
70	9.653	33.570	9.645	25.916	211.1	0.170
80	9.505	33.605	9.496	25.967	206.4	0.191
90	9.381	33.679	9.371	26.045	199.2	0.211
100	9.311	33.683	9.300	26.060	198.0	0.231
110	8.977	33.687	8.965	26.117	192.7	0.250
120	8.833	33.750	8.820	26.189	186.0	0.269
130	8.509	33.758	8.496	26.245	180.8	0.288
140	8.578	33.854	8.564	26.310	174.9	0.306
150	8.556	33.899	8.540	26.348	171.4	0.323
175	8.521	34.000	8.503	26.433	163.8	0.365
200	8.382	34.039	8.361	26.486	159.3	0.405
225	8.065	34.083	8.043	26.568	151.8	0.444
250	7.335	34.000	7.312	26.609	148.0	0.481
300	7.444	34.133	7.415	26.699	140.4	0.553
400	6.391	34.168	6.356	26.872	124.9	0.687
500	5.922	34.247	5.879	26.994	114.2	0.806
600	5.326	34.273	5.277	27.089	105.9	0.916
800	4.531	34.366	4.469	27.254	91.3	1.112
1000	3.893	34.451	3.818	27.389	79.2	1.283
1003	3.879	34.452	3.804	27.392	78.9	1.285

STA NO 71 ROS10 LAT: 38 6.8 N LONG:123 45.2 W
 21 MAY 1981 1849 GMT PROBE 2561 DEPTH 2564M
 64.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.410	33.528	11.410	25.576	241.9	0.002
10	11.321	33.528	11.319	25.593	240.6	0.025
20	11.112	33.533	11.110	25.634	236.9	0.048
30	10.027	33.644	10.024	25.909	210.9	0.071
40	9.194	33.608	9.189	26.019	200.6	0.091
50	9.260	33.718	9.255	26.094	193.6	0.111
60	9.233	33.736	9.227	26.113	192.1	0.130
70	9.153	33.774	9.146	26.156	188.2	0.149
80	9.200	33.821	9.192	26.185	185.7	0.168
90	9.009	33.822	8.999	26.216	182.9	0.186
100	9.113	33.917	9.102	26.274	177.6	0.205
110	9.083	33.924	9.072	26.285	176.8	0.222
120	8.980	33.942	8.968	26.315	174.1	0.240
130	8.899	33.954	8.885	26.337	172.1	0.257
140	9.108	34.018	9.093	26.355	170.8	0.274
150	8.818	33.986	8.802	26.375	169.0	0.291
175	8.566	34.024	8.548	26.445	162.7	0.333
200	8.326	34.055	8.306	26.506	157.4	0.373
225	8.084	34.079	8.061	26.562	152.4	0.412
250	7.817	34.104	7.792	26.621	147.1	0.450
300	7.430	34.145	7.401	26.711	139.4	0.521
400	6.786	34.220	6.749	26.860	126.4	0.653
500	5.954	34.234	5.911	26.979	115.6	0.774
600	5.478	34.303	5.428	27.094	105.6	0.884
800	4.592	34.390	4.529	27.267	90.2	1.079
1000	3.942	34.446	3.867	27.381	80.1	1.249
1005	3.930	34.447	3.854	27.384	79.9	1.253



STATION 71 ROS10



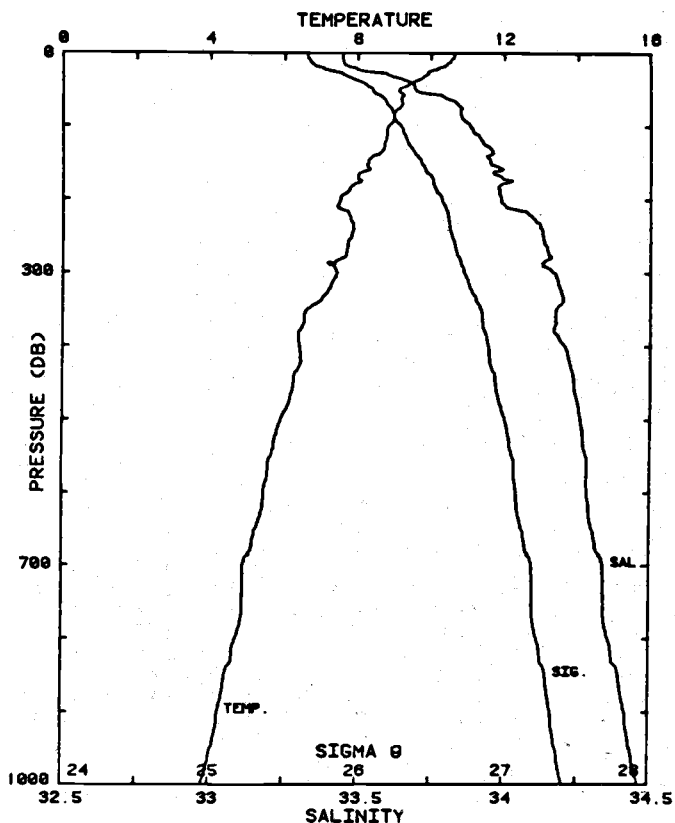
STATION 72 ROS9

STA NO: 72 ROS9 LAT: 38 10.0 N LONG: 123 40.6 W
 21 MAY 1981 2007 GMT PROBE 2561 DEPTH 1738M
 55.9 KM FROM SHORE

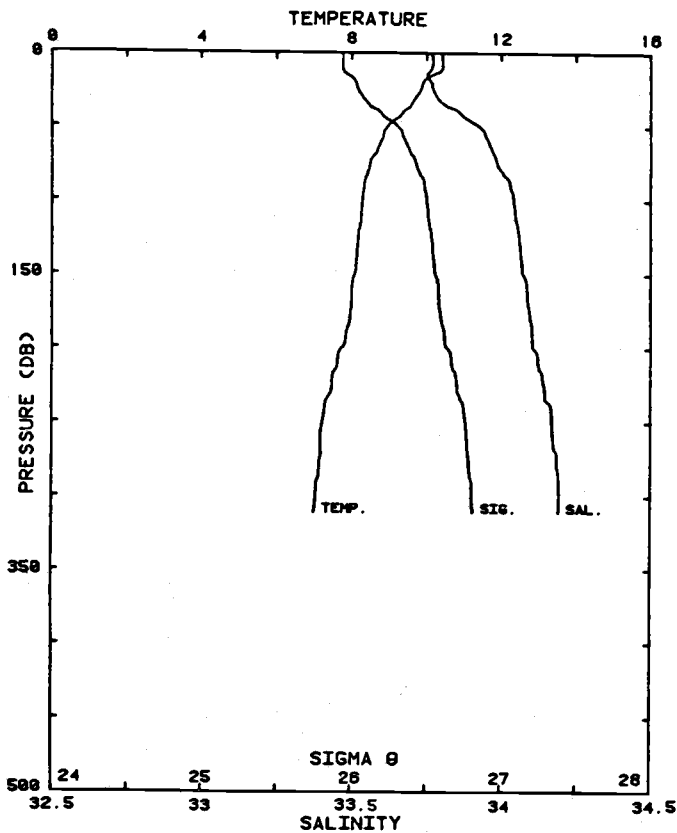
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.545	33.368	11.545	25.426	256.1	0.003
10	11.501	33.372	11.500	25.437	255.3	0.026
20	11.274	33.436	11.271	25.530	246.8	0.051
30	9.785	33.550	9.781	25.877	213.9	0.073
40	9.517	33.632	9.513	25.985	203.9	0.094
50	9.260	33.714	9.255	26.091	194.0	0.114
60	9.138	33.801	9.132	26.179	185.8	0.133
70	9.025	33.834	9.017	26.224	181.8	0.152
80	8.953	33.868	8.945	26.262	178.4	0.170
90	8.924	33.887	8.915	26.281	176.8	0.187
100	8.886	33.899	8.875	26.296	175.5	0.205
110	8.825	33.921	8.812	26.323	173.1	0.223
120	8.701	33.941	8.689	26.358	170.0	0.240
130	8.649	33.943	8.636	26.368	169.2	0.257
140	8.688	33.976	8.674	26.389	167.5	0.274
150	8.609	34.017	8.593	26.433	163.4	0.289
175	8.423	34.028	8.405	26.470	160.3	0.330
200	8.314	34.066	8.293	26.517	156.3	0.370
225	8.144	34.094	8.121	26.565	152.1	0.408
250	7.924	34.110	7.899	26.611	148.2	0.446
300	7.514	34.145	7.484	26.698	140.6	0.518
400	6.629	34.205	6.593	26.869	125.3	0.650
500	5.888	34.258	5.845	27.007	112.9	0.769
600	5.436	34.297	5.385	27.094	105.5	0.879
800	4.612	34.375	4.549	27.253	91.6	1.077
1000	4.027	34.444	3.951	27.371	81.3	1.249
1005	4.008	34.444	3.932	27.373	81.1	1.253

STA NO 73 ROS8 LAT: 38 13.2 N LONG: 123 35.6 W
 21 MAY 1981 2123 GMT PROBE 2561 DEPTH 1005M
 46.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.624	33.447	10.624	25.654	234.5	0.002
10	10.543	33.449	10.543	25.670	233.2	0.024
20	10.278	33.482	10.276	25.741	226.6	0.047
30	9.898	33.601	9.895	25.898	212.0	0.069
40	9.526	33.674	9.521	26.017	200.8	0.089
50	9.134	33.697	9.128	26.098	193.3	0.109
60	9.219	33.789	9.213	26.157	187.9	0.128
70	9.207	33.837	9.200	26.196	184.4	0.147
80	9.027	33.851	9.018	26.236	180.8	0.165
90	8.974	33.856	8.965	26.249	179.8	0.183
100	8.841	33.883	8.831	26.292	175.9	0.201
110	8.786	33.900	8.774	26.312	174.1	0.218
120	8.753	33.924	8.741	26.337	172.0	0.236
130	8.704	33.951	8.691	26.366	169.4	0.252
140	8.468	33.951	8.454	26.403	166.0	0.270
150	8.272	33.952	8.257	26.434	163.2	0.286
175	8.096	34.022	8.078	26.515	156.0	0.326
200	7.515	33.989	7.496	26.575	150.5	0.365
225	7.799	34.095	7.777	26.617	147.1	0.401
250	7.816	34.130	7.791	26.642	145.2	0.437
300	7.427	34.167	7.398	26.729	137.6	0.509
400	6.424	34.204	6.387	26.895	122.7	0.637
500	5.917	34.261	5.874	27.006	113.2	0.756
600	5.444	34.284	5.394	27.083	106.6	0.865
800	4.712	34.360	4.648	27.229	94.0	1.065
997	3.821	34.464	3.747	27.407	77.3	1.233



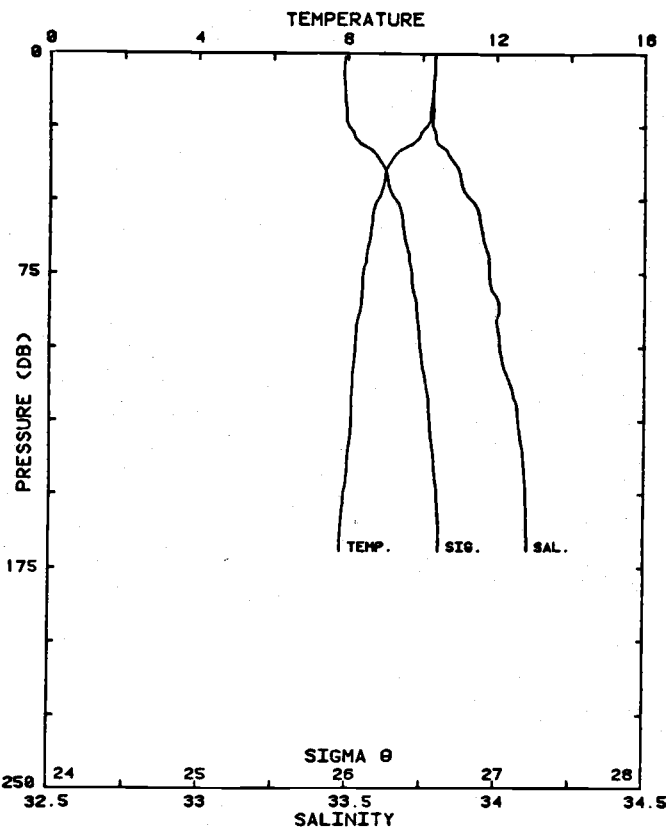
STATION 73 ROS8



STATION 74 ROS7

STA NO 74 ROS7 LAT: 38 16.4 N LONG:123 31.0 W
 21 MAY 1981 2241 GMT PROBE 2561 DEPTH 319M
 37.4 KM FROM SHORE

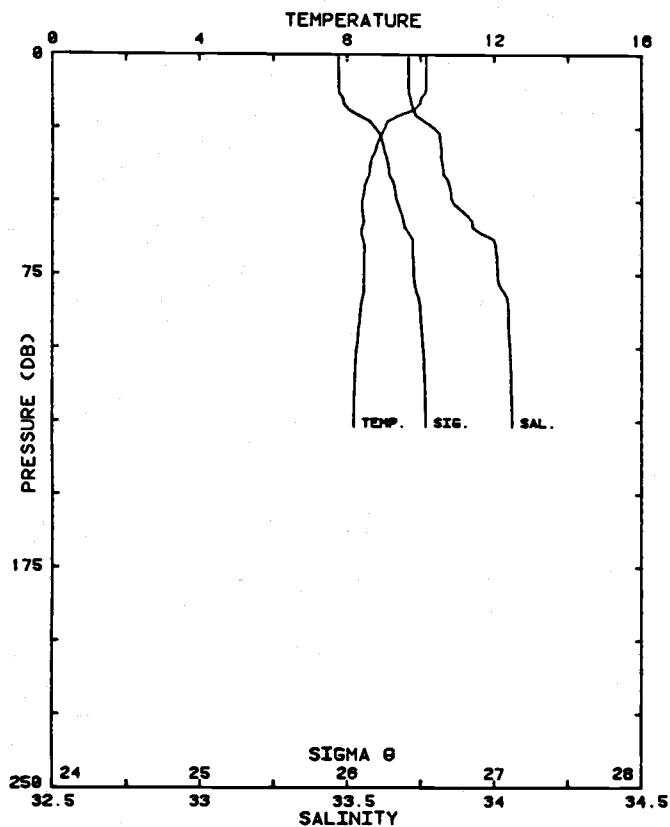
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.422	33.767	10.422	25.938	207.5	0.002
10	10.425	33.768	10.425	25.938	207.7	0.021
20	9.894	33.764	9.892	26.026	199.5	0.041
30	9.711	33.786	9.708	26.073	195.2	0.061
40	9.372	33.859	9.368	26.186	184.8	0.080
50	8.943	33.927	8.938	26.309	173.3	0.098
60	8.769	33.957	8.762	26.359	168.7	0.115
70	8.574	33.979	8.566	26.403	164.3	0.132
80	8.430	34.000	8.422	26.445	160.8	0.148
90	8.326	34.029	8.316	26.485	157.3	0.164
100	8.280	34.041	8.269	26.500	155.9	0.179
110	8.247	34.047	8.236	26.510	155.2	0.195
120	8.191	34.056	8.179	26.527	153.8	0.211
130	8.148	34.062	8.135	26.538	153.0	0.226
140	8.116	34.067	8.102	26.547	152.3	0.242
150	8.071	34.075	8.056	26.560	151.2	0.257
175	7.962	34.095	7.944	26.592	148.6	0.294
200	7.727	34.110	7.707	26.638	144.6	0.331
225	7.460	34.144	7.438	26.704	138.7	0.366
250	7.211	34.171	7.187	26.760	133.6	0.400
300	7.037	34.195	7.009	26.805	130.2	0.465
311	6.988	34.193	6.959	26.810	129.8	0.480



STATION 75 ROS6

STA NO 75 ROS6 LAT: 38 20.0 N LONG:123 26.5 W
 21 MAY 1981 2342 GMT PROBE 2561 DEPTH 177M
 28.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.313	33.793	10.313	25.976	203.9	0.002
10	10.286	33.788	10.285	25.977	204.0	0.020
20	10.203	33.787	10.201	25.991	202.9	0.041
30	9.799	33.807	9.796	26.075	195.1	0.061
40	9.023	33.875	9.018	26.255	178.2	0.080
50	8.800	33.916	8.795	26.322	172.0	0.097
60	8.632	33.951	8.625	26.375	167.1	0.114
70	8.498	33.974	8.491	26.415	163.5	0.131
80	8.390	33.983	8.382	26.436	161.5	0.147
90	8.283	34.005	8.274	26.472	158.5	0.163
100	8.209	34.012	8.199	26.489	157.0	0.179
110	8.135	34.037	8.125	26.520	154.3	0.193
120	8.113	34.069	8.101	26.548	151.8	0.209
130	8.075	34.081	8.062	26.563	150.5	0.225
140	7.997	34.094	7.983	26.586	148.6	0.240
150	7.898	34.101	7.883	26.606	146.8	0.254
169	7.824	34.106	7.807	26.621	145.7	0.282



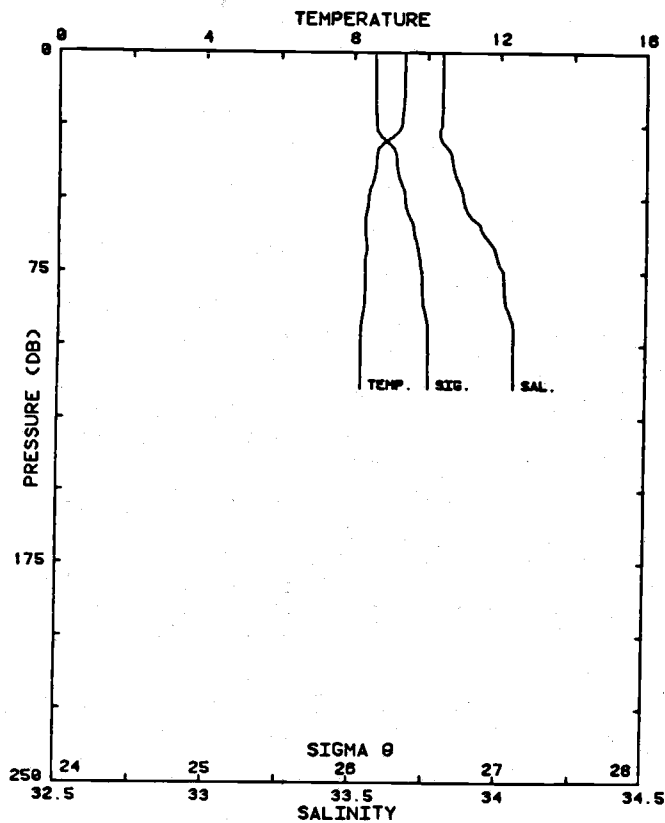
STATION 76 ROSS

STA NO 76 ROSS LAT: 38 21.3 N LONG:123 23.3 W
 22 MAY 1981 0041 GMT PROBE 2561 DEPTH 129M
 23.1 KM FROM SHORE

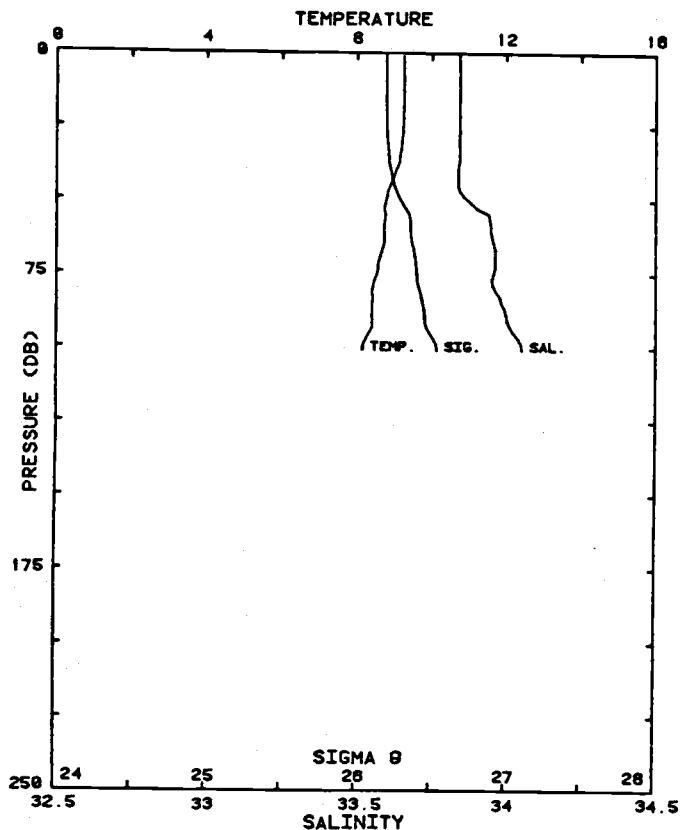
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.152	33.710	10.151	25.940	207.4	0.002
10	10.146	33.709	10.144	25.941	207.5	0.021
20	9.586	33.743	9.584	26.060	196.3	0.041
30	8.822	33.819	8.819	26.244	179.1	0.060
40	8.597	33.829	8.593	26.285	175.3	0.078
50	8.397	33.859	8.392	26.340	170.3	0.095
60	8.377	33.941	8.371	26.407	164.1	0.112
70	8.453	34.008	8.448	26.448	160.4	0.127
80	8.438	34.025	8.429	26.464	159.1	0.144
90	8.332	34.048	8.323	26.498	156.0	0.160
100	8.242	34.053	8.232	26.516	154.5	0.175
110	8.196	34.056	8.186	26.525	153.8	0.191
120	8.173	34.058	8.161	26.531	153.4	0.206
127	8.169	34.060	8.156	26.533	153.3	0.216

STA NO 77 ROS4 LAT: 38 23.1 N LONG:123 20.7 W
 22 MAY 1981 0126 GMT PROBE 2561 DEPTH 118M
 16.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.367	33.803	9.367	26.143	188.1	0.002
10	9.359	33.803	9.358	26.143	188.1	0.019
20	9.332	33.802	9.330	26.148	187.9	0.038
30	8.927	33.805	8.925	26.215	181.8	0.056
40	8.589	33.841	8.584	26.296	174.2	0.074
50	8.406	33.875	8.401	26.352	169.2	0.091
60	8.319	33.934	8.313	26.411	163.7	0.108
70	8.340	33.990	8.333	26.451	160.0	0.124
80	8.333	34.014	8.325	26.472	158.3	0.140
90	8.267	34.035	8.260	26.499	156.0	0.156
100	8.224	34.047	8.214	26.514	154.6	0.171
110	8.222	34.048	8.212	26.514	154.8	0.186
115	8.219	34.047	8.207	26.515	154.8	0.194



STATION 77 ROS4



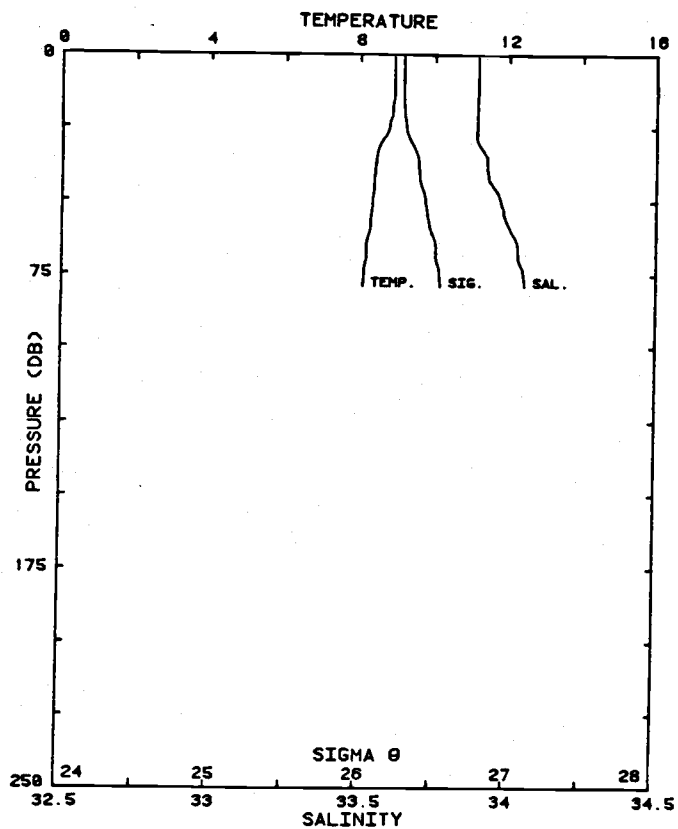
STATION 78 ROS3

STA NO 78 ROS3 LAT: 38 24.8 N LONG:123 18.0 W
 22 MAY 1981 0220 GMT PROBE 2561 DEPTH 104M
 13.0 KM FROM SHORE

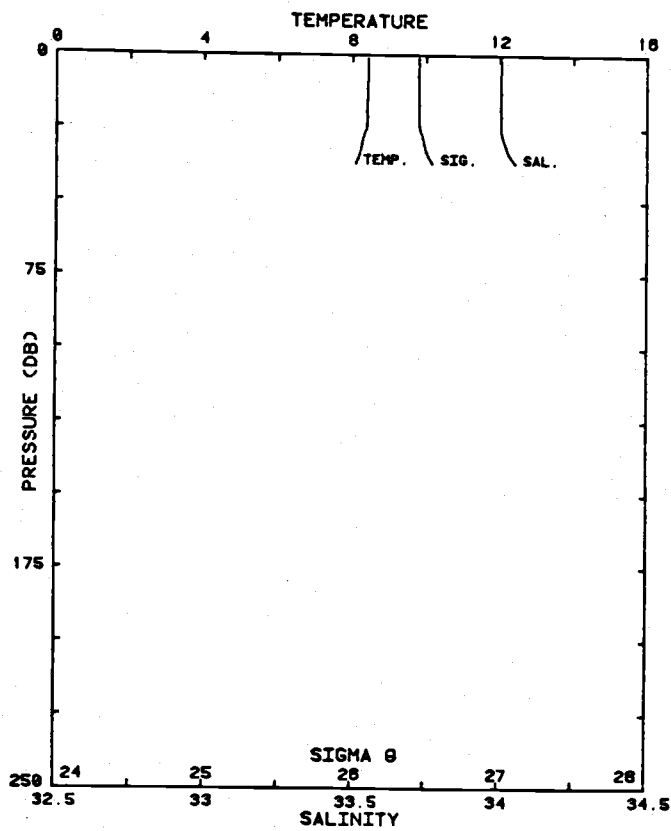
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.244	33.844	9.244	26.194	183.1	0.002
10	9.242	33.844	9.241	26.195	183.3	0.018
20	9.239	33.844	9.236	26.196	183.4	0.036
30	9.187	33.843	9.185	26.204	182.9	0.055
40	9.035	33.840	9.030	26.226	181.0	0.073
50	8.765	33.871	8.760	26.293	174.8	0.091
60	8.717	33.948	8.711	26.360	168.6	0.108
70	8.589	33.963	8.582	26.392	165.7	0.125
80	8.404	33.959	8.396	26.418	163.5	0.142
90	8.393	33.999	8.384	26.451	160.5	0.157
100	8.139	34.050	8.129	26.530	153.2	0.174
101	8.134	34.051	8.124	26.531	153.1	0.175

STA NO 79 ROS2 LAT: 38 26.6 N LONG:123 15.4 W
 22 MAY 1981 0305 GMT PROBE 2561 DEPTH 82M
 7.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.904	33.895	8.903	26.288	174.2	0.002
10	8.904	33.895	8.903	26.289	174.4	0.018
20	8.852	33.894	8.851	26.297	173.8	0.035
30	8.570	33.898	8.566	26.343	169.6	0.052
40	8.397	33.920	8.393	26.395	164.9	0.069
50	8.337	33.974	8.332	26.439	160.9	0.085
60	8.263	34.009	8.257	26.478	157.4	0.101
70	8.156	34.035	8.148	26.515	154.0	0.117
79	8.081	34.057	8.073	26.543	151.5	0.130



STATION 79 ROS2

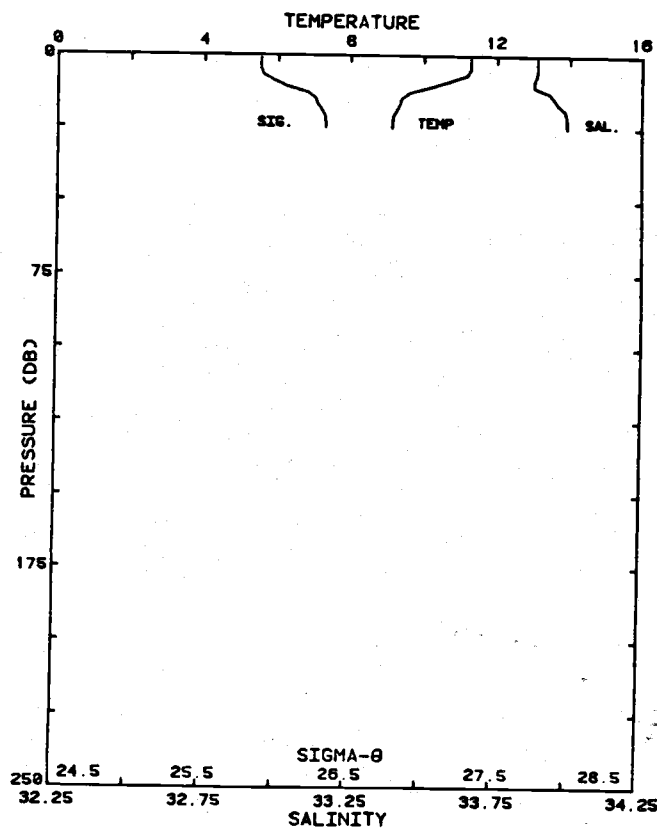


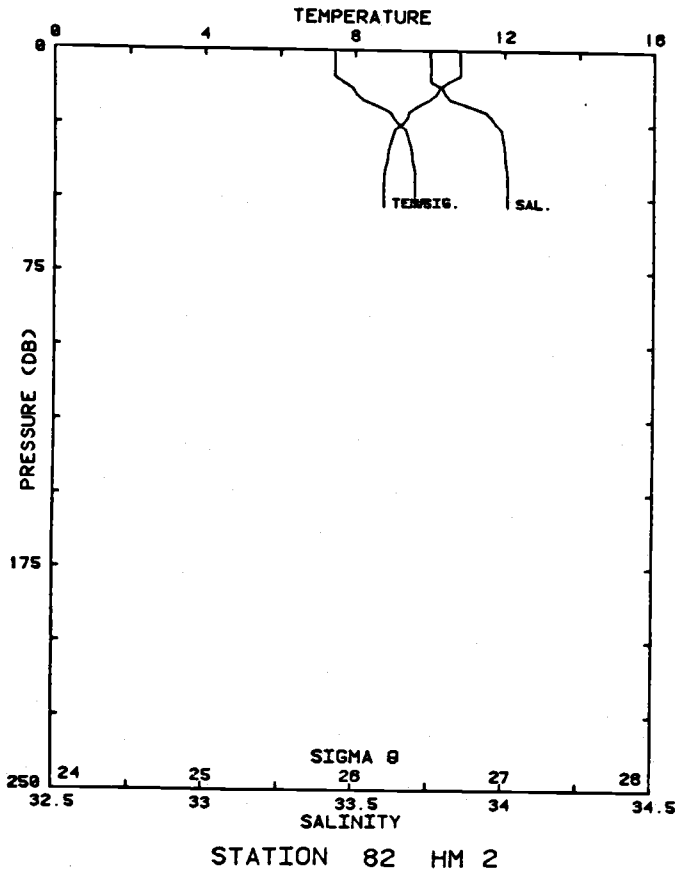
STA NO 80 ROS1 LAT: 39 28.3 N LONG:123 12.8 W
 22 MAY 1981 0342 GMT PROBE 2561 DEPTH 42M
 3.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	8.412	34.003	8.412	26.450	158.9	0.002
10	8.406	34.004	8.405	26.451	158.7	0.016
20	8.390	34.004	8.388	26.454	158.9	0.032
30	8.245	34.016	8.241	26.485	156.1	0.047
37	8.064	34.053	8.060	26.542	150.8	0.058

STA NO 81 HM1 LAT: 37 25.0 N LONG:122 29.1 W
 22 MAY 1981 1241 GMT PROBE 2561 DEPTH 30M
 5.4 km from shore

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	11.273	33.897	11.273	25.880	213.0	0.002
10	10.454	33.875	10.453	26.015	200.4	0.021
20	9.198	33.984	9.196	26.311	172.4	0.039
25	9.126	33.989	9.124	26.327	171.1	0.048



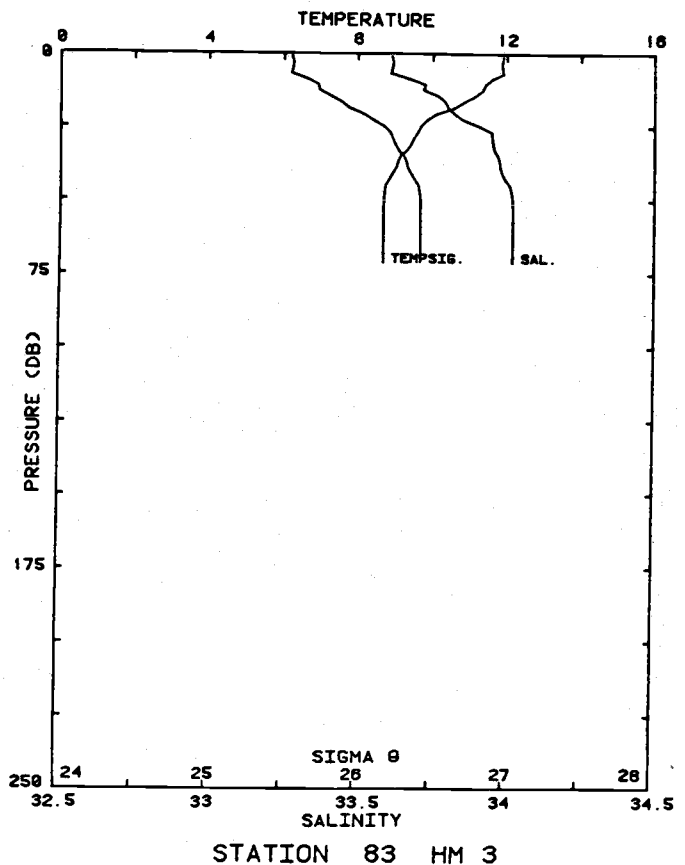


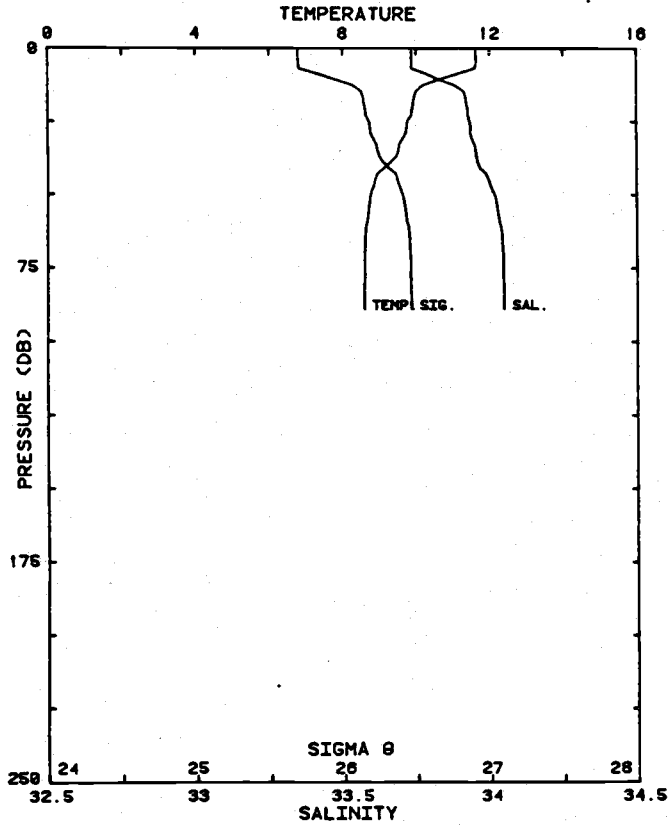
STA NO 82 HM2 LAT: 37 23.6 N LONG:122 33.1 W
 22 MAY 1981 1334 GMT PROBE 2561 DEPTH 58M
 11.5 km from shore

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.795	33.752	10.795	25.861	214.9	0.002
10	10.615	33.762	10.614	25.900	211.3	0.022
20	9.536	33.917	9.533	26.204	182.6	0.042
30	8.974	33.994	8.970	26.356	168.4	0.058
40	8.793	34.007	8.790	26.395	164.9	0.076
50	8.766	34.009	8.761	26.401	164.5	0.092
53	8.766	34.010	8.761	26.401	164.6	0.097

STA NO 83 HM3 LAT: 37 23.0 N LONG:122 39.0 W
 22 MAY 1981 1434 GMT PROBE 2561 DEPTH 74M
 20.0 km from shore

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.890	33.611	11.890	25.551	244.3	0.002
10	11.478	33.708	11.477	25.703	230.0	0.024
20	10.311	33.826	10.309	26.002	201.8	0.046
30	9.467	33.954	9.464	26.245	179.0	0.065
40	8.981	33.983	8.977	26.346	169.6	0.082
50	8.696	34.019	8.691	26.420	162.7	0.099
60	8.687	34.022	8.681	26.423	162.6	0.115
70	8.687	34.022	8.680	26.423	162.8	0.131
71	8.687	34.022	8.680	26.423	162.8	0.133





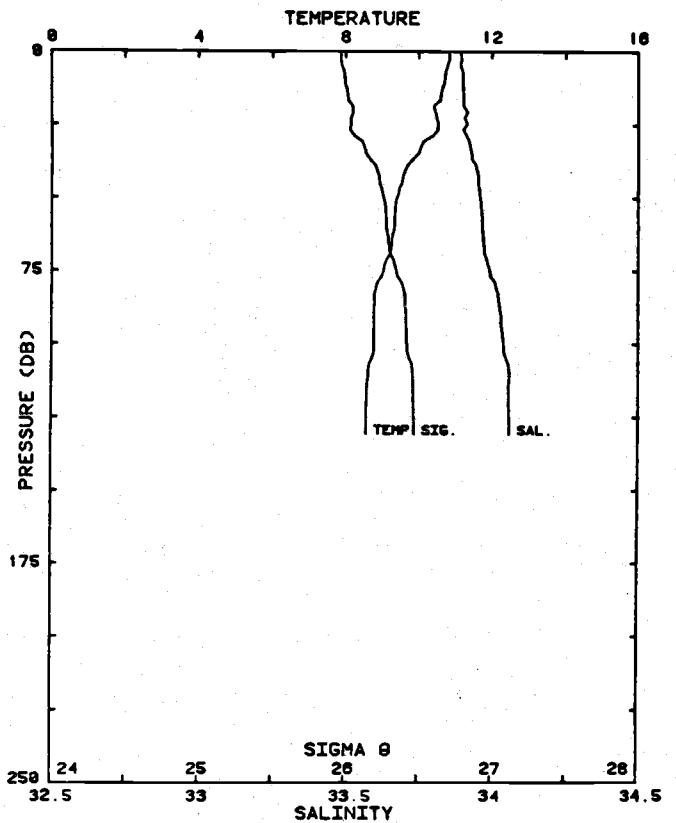
STATION 84 HM 4

STA NO 84 HM4 LAT: 37 22.2 N LONG:122 44.9 W
 22 MAY 1981 1537 GMT PROBE 2561 DEPTH 93M
 28.3 km from shore

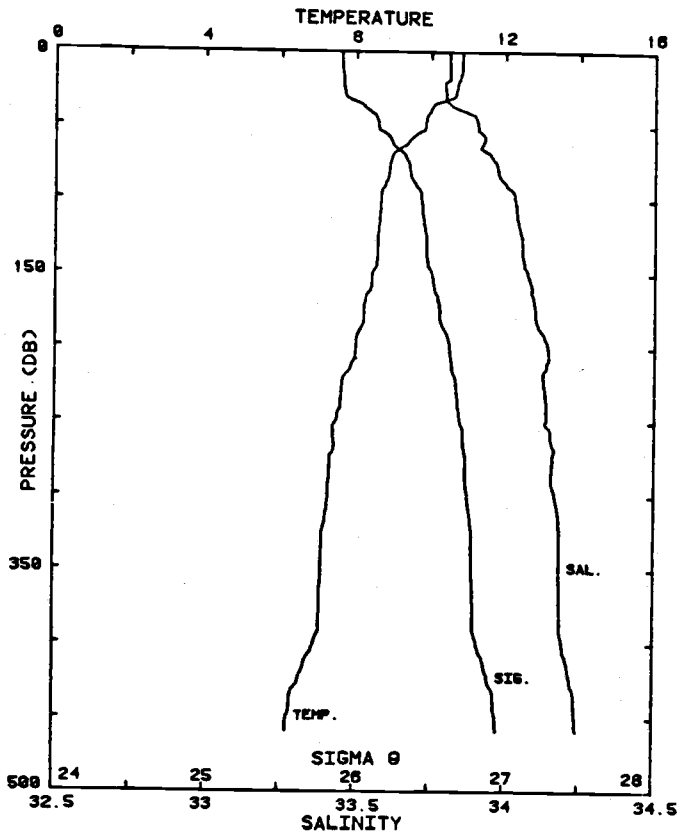
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.623	33.734	11.623	25.696	230.5	0.002
10	10.813	33.828	10.812	25.917	209.8	0.023
20	9.897	33.924	9.895	26.149	187.8	0.042
30	9.661	33.939	9.658	26.201	183.2	0.060
40	9.196	33.968	9.192	26.300	174.0	0.079
50	8.746	34.016	8.741	26.409	163.8	0.095
60	8.631	34.035	8.625	26.442	160.8	0.112
70	8.577	34.043	8.569	26.457	159.6	0.127
80	8.568	34.044	8.560	26.459	159.5	0.144
89	8.560	34.045	8.551	26.462	159.5	0.158

STA NO 85 HMS LAT: 37 21.4 N LONG:122 50.7 W
 22 MAY 1981 1629 GMT PROBE 2561 DEPTH 133M
 37.2 km from shore

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.840	33.895	10.840	25.964	205.1	0.002
10	10.700	33.901	10.698	25.994	202.4	0.020
20	10.433	33.911	10.430	26.049	197.4	0.040
30	10.238	33.924	10.235	26.092	193.5	0.060
40	9.643	33.950	9.639	26.212	182.3	0.079
50	9.406	33.962	9.399	26.261	177.8	0.097
60	9.323	33.967	9.317	26.279	176.4	0.115
70	9.161	33.979	9.154	26.315	173.1	0.132
80	8.844	34.014	8.835	26.392	165.9	0.149
90	8.781	34.029	8.772	26.415	164.0	0.166
100	8.778	34.038	8.767	26.423	163.5	0.182
110	8.626	34.059	8.614	26.462	159.9	0.199
120	8.580	34.056	8.568	26.468	159.5	0.215
130	8.571	34.059	8.557	26.471	159.4	0.230
131	8.571	34.059	8.557	26.471	159.4	0.232



STATION 85 HM 5



STATION 86 HM 6

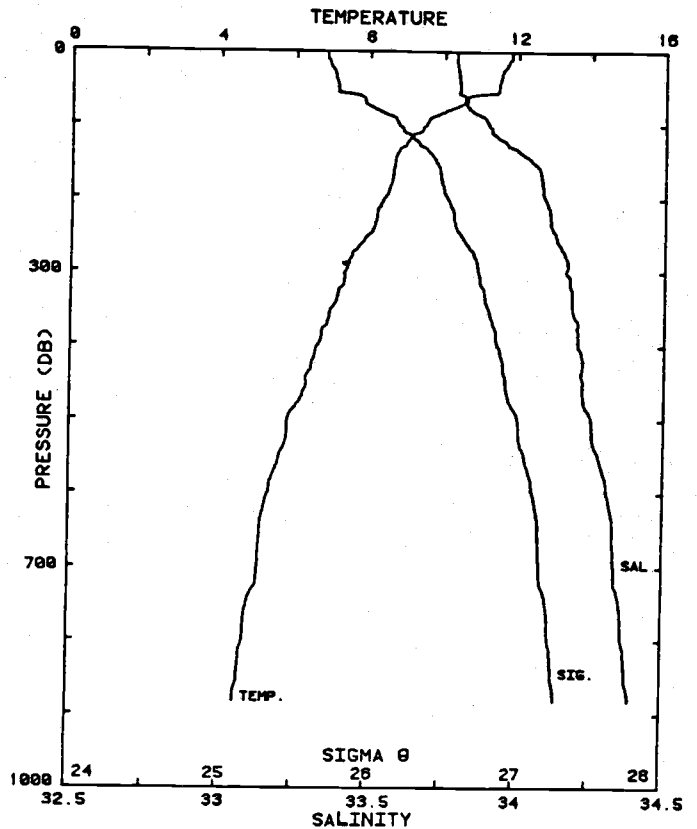
STA NO 86 HM6 LAT: 37 20.6 N LONG:122 56.9 W
 22 MAY 1981 1718 GMT PROBE 2561 DEPTH 464M
 46.6 km from shore

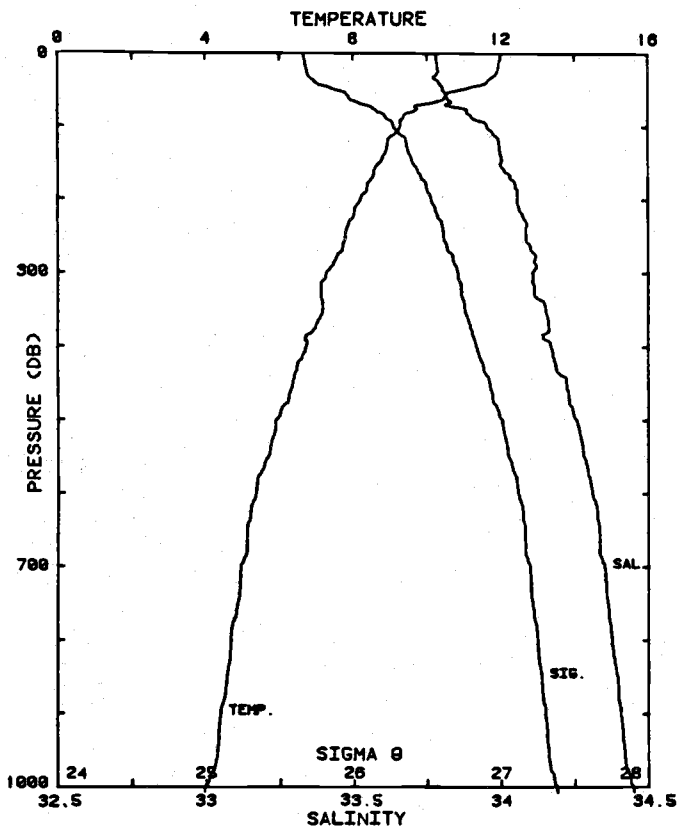
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.835	33.811	10.835	25.899	211.2	0.002
10	10.824	33.812	10.823	25.902	211.1	0.021
20	10.734	33.805	10.732	25.913	210.4	0.042
30	10.623	33.800	10.620	25.929	209.0	0.063
40	9.974	33.856	9.970	26.084	194.5	0.083
50	9.836	33.906	9.830	26.147	188.7	0.102
60	9.413	33.931	9.406	26.236	180.5	0.121
70	8.956	33.950	8.948	26.324	172.2	0.139
80	8.868	33.973	8.861	26.357	169.3	0.156
90	8.758	34.003	8.748	26.398	165.6	0.172
100	8.649	34.031	8.639	26.437	162.1	0.189
110	8.625	34.039	8.614	26.446	161.4	0.205
120	8.587	34.048	8.574	26.460	160.3	0.221
130	8.566	34.056	8.552	26.469	159.6	0.237
140	8.552	34.060	8.538	26.475	159.3	0.252
150	8.424	34.076	8.408	26.507	156.4	0.269
175	8.203	34.100	8.186	26.560	151.7	0.307
200	7.992	34.143	7.972	26.626	145.9	0.345
225	7.629	34.129	7.607	26.668	142.1	0.380
250	7.464	34.139	7.440	26.700	139.5	0.416
300	7.271	34.169	7.243	26.753	135.3	0.485
400	6.929	34.198	6.891	26.823	130.0	0.617
459	6.199	34.244	6.159	26.957	117.5	0.689

STA NO 87 HM7 LAT: 37 19.7 N LONG:122 3.1 W
 22 MAY 1981 1821 GMT PROBE 2561 DEPTH 892M
 57.7 km LIN INT SAL. AT 19-35DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.795	33.789	11.795	25.707	229.4	0.002
10	11.795	33.791	11.794	25.708	229.5	0.023
20	11.675	33.793	11.672	25.734	227.4	0.046
30	11.540	33.798	11.536	25.761	225.0	0.069
40	11.491	33.800	11.486	25.773	224.2	0.091
50	11.455	33.801	11.449	25.781	223.7	0.113
60	10.829	33.821	10.822	25.909	211.7	0.135
70	10.528	33.826	10.520	25.966	206.4	0.156
80	10.099	33.842	10.090	26.052	198.4	0.176
90	9.661	33.885	9.650	26.160	188.3	0.196
100	9.516	33.899	9.505	26.196	185.2	0.215
110	9.344	33.913	9.332	26.234	181.7	0.233
120	9.059	33.942	9.045	26.303	175.3	0.250
130	8.908	33.973	8.894	26.351	170.9	0.268
140	8.732	34.014	8.717	26.412	165.3	0.285
150	8.679	34.047	8.664	26.444	162.3	0.301
175	8.607	34.081	8.588	26.483	159.1	0.341
200	8.389	34.094	8.368	26.527	155.4	0.381
225	8.199	34.110	8.175	26.570	151.7	0.419
250	7.966	34.131	7.941	26.621	147.3	0.457
300	7.342	34.167	7.314	26.740	136.5	0.526
400	6.640	34.209	6.603	26.872	125.1	0.658
500	5.829	34.255	5.786	27.013	112.4	0.777
600	5.335	34.310	5.285	27.117	103.2	0.886
800	4.692	34.367	4.629	27.236	93.2	1.081
893	4.465	34.392	4.396	27.282	89.4	1.157

STATION 87 HM 7





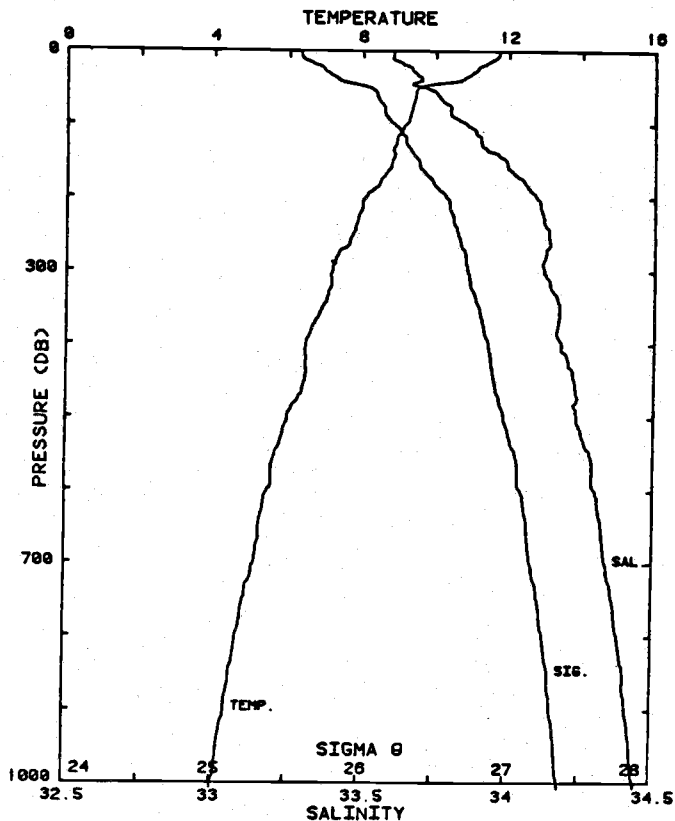
STATION 90 HM 8

STA NO 90 HM8 LAT: 37 18.8 N LONG:123 9.2 W
 22 MAY 1981 2000 GMT PROBE 2561 DEPTH 1114M
 65.3 km from shore

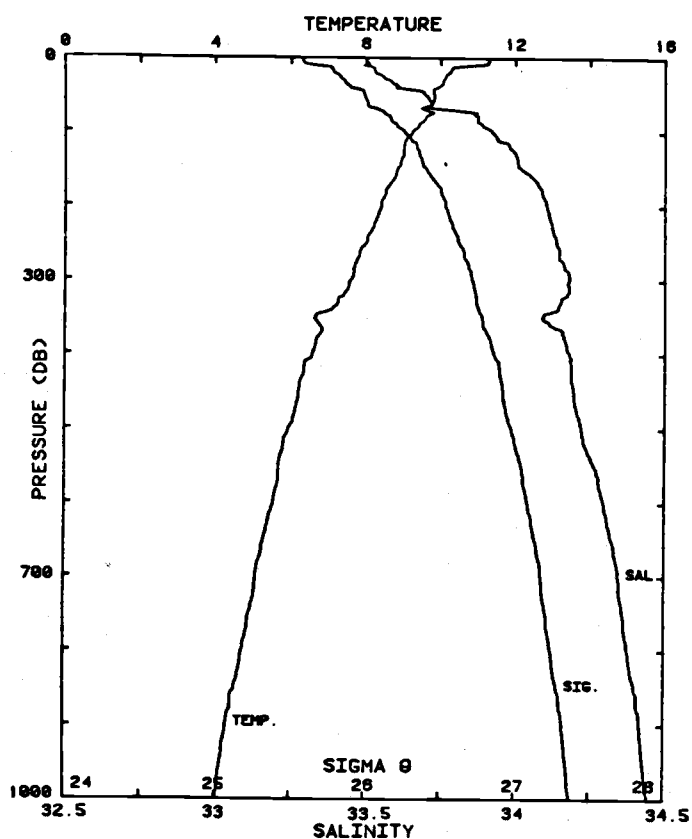
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.991	33.779	11.991	25.663	233.7	0.002
10	11.972	33.785	11.970	25.670	233.2	0.024
20	11.928	33.784	11.926	25.681	232.5	0.047
30	11.857	33.784	11.852	25.692	231.6	0.070
40	11.628	33.790	11.623	25.740	227.4	0.093
50	11.021	33.808	11.014	25.865	215.6	0.115
60	10.503	33.817	10.495	25.964	206.4	0.136
70	10.083	33.832	10.075	26.048	198.7	0.156
80	9.654	33.887	9.644	26.163	187.8	0.176
90	9.354	33.906	9.344	26.227	181.9	0.194
100	9.282	33.953	9.271	26.275	177.6	0.212
110	9.139	33.975	9.127	26.316	173.9	0.230
120	8.940	33.993	8.928	26.341	169.7	0.247
130	8.910	33.996	8.896	26.368	169.2	0.264
140	8.818	34.001	8.803	26.388	167.6	0.281
150	8.712	34.001	8.696	26.405	166.2	0.297
175	8.442	34.043	8.424	26.479	159.5	0.338
200	8.192	34.056	8.172	26.528	155.2	0.377
225	7.969	34.078	7.946	26.578	150.8	0.415
250	7.763	34.085	7.739	26.615	147.7	0.453
300	7.246	34.109	7.218	26.708	139.5	0.525
400	6.694	34.170	6.658	26.833	128.8	0.659
500	5.897	34.257	5.853	27.006	113.2	0.780
600	5.348	34.311	5.299	27.115	103.4	0.889
800	4.673	34.376	4.610	27.247	92.2	1.083
1000	3.978	34.449	3.902	27.380	80.3	1.259
1007	3.951	34.450	3.875	27.383	80.0	1.264

STA NO 91 HM9 LAT: 37 18.0 N LONG:123 15.4 W
 22 MAY 1981 2121 GMT PROBE 2561 DEPTH 1263M
 74.7 km from shore

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.735	33.604	11.735	25.575	242.0	0.002
10	11.651	33.604	11.649	25.591	240.7	0.025
20	11.290	33.649	11.288	25.691	231.4	0.048
30	11.031	33.673	11.029	25.761	225.0	0.071
40	10.717	33.704	10.713	25.837	218.0	0.093
50	9.536	33.708	9.531	26.042	198.7	0.114
60	9.430	33.754	9.423	26.095	193.8	0.133
70	9.390	33.776	9.383	26.118	191.8	0.153
80	9.332	33.802	9.323	26.149	189.1	0.171
90	9.282	33.807	9.272	26.162	188.1	0.191
100	9.193	33.858	9.182	26.215	183.2	0.209
110	9.068	33.887	9.056	26.258	179.3	0.227
120	8.927	33.904	8.915	26.294	176.1	0.245
130	8.875	33.909	8.861	26.306	175.1	0.263
140	8.870	33.955	8.856	26.343	171.8	0.280
150	8.800	33.989	8.785	26.381	168.4	0.296
175	8.508	34.045	8.489	26.470	160.3	0.338
200	8.087	34.095	8.067	26.574	150.9	0.377
225	7.904	34.118	7.882	26.619	146.9	0.414
250	7.758	34.137	7.733	26.656	143.8	0.451
300	7.211	34.122	7.183	26.722	138.0	0.521
400	6.500	34.181	6.464	26.867	125.4	0.653
500	6.004	34.235	5.961	26.975	116.2	0.775
600	5.484	34.302	5.434	27.093	105.7	0.885
800	4.651	34.383	4.588	27.254	91.5	1.082
1000	4.022	34.447	3.946	27.374	81.0	1.255
1007	4.015	34.447	3.938	27.374	81.0	1.260



STATION 91 HM 9



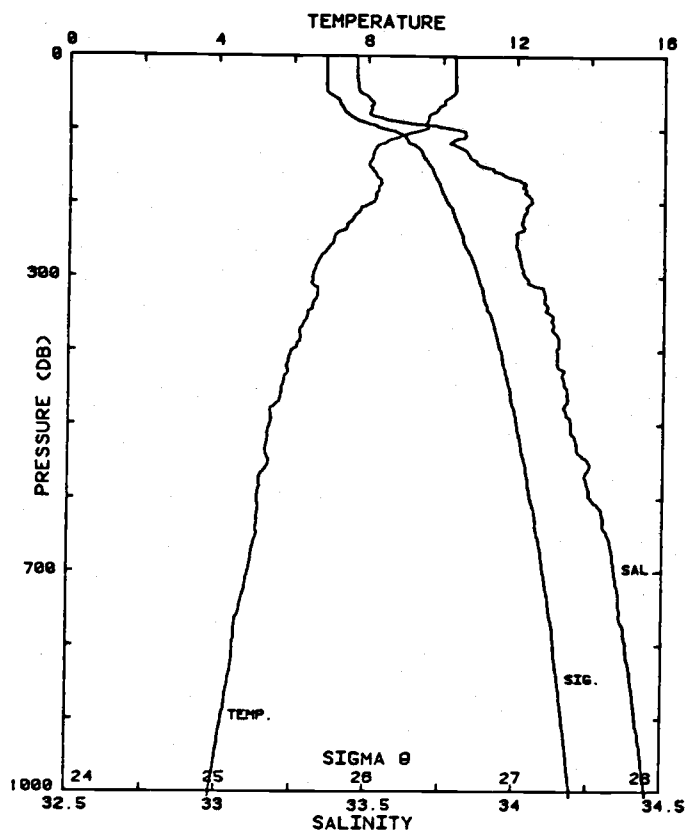
STATION 92 HM10

STA NO 92 HM10 LAT: 37 17.2 N LONG:123 21.5 W
22 MAY 1981 2244 GMT PROBE 2561 DEPTH 2098M
83.6 km from shore

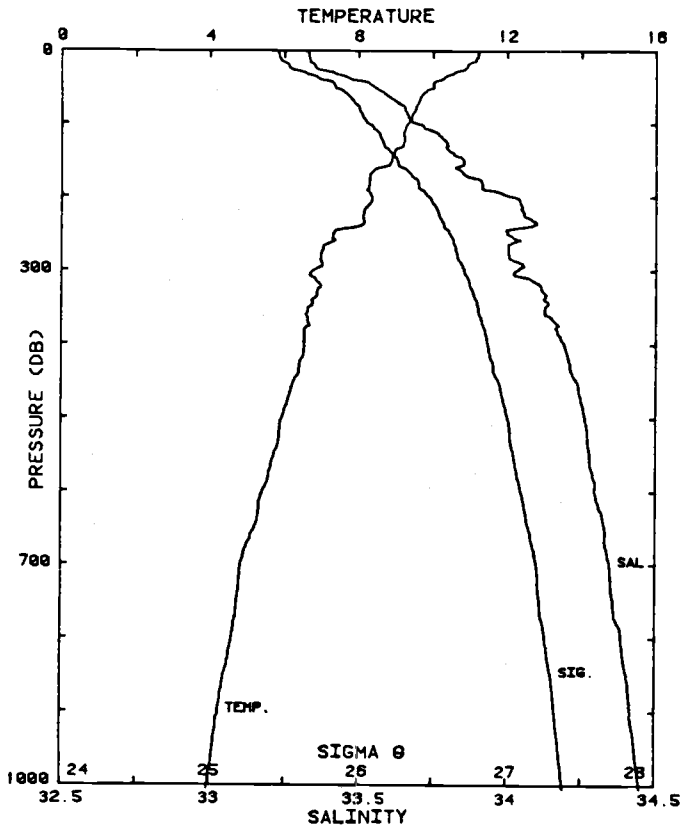
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.294	33.504	11.294	25.578	241.7	0.002
10	10.993	33.514	10.991	25.641	235.9	0.024
20	10.235	33.532	10.233	25.788	222.2	0.047
30	10.075	33.572	10.071	25.846	216.9	0.069
40	9.932	33.607	9.927	25.897	212.2	0.090
50	9.816	33.697	9.810	25.987	203.9	0.111
60	9.790	33.717	9.783	26.007	202.2	0.131
70	9.530	33.749	9.522	26.076	195.9	0.151
80	9.602	33.876	9.593	26.163	187.8	0.170
90	9.421	33.887	9.411	26.201	184.4	0.189
100	9.240	33.922	9.229	26.257	179.2	0.207
110	9.071	33.941	9.059	26.300	175.4	0.225
120	9.006	33.979	8.993	26.340	171.7	0.242
130	9.010	34.000	8.996	26.356	170.4	0.259
140	8.927	34.007	8.912	26.375	168.8	0.277
150	8.832	34.020	8.816	26.400	166.6	0.293
175	8.571	34.084	8.553	26.491	158.4	0.334
200	8.403	34.104	8.383	26.534	154.8	0.373
225	8.215	34.123	8.192	26.577	151.1	0.411
250	8.007	34.137	7.982	26.620	147.4	0.449
300	7.606	34.180	7.576	26.713	139.3	0.520
400	6.575	34.181	6.539	26.857	126.4	0.653
500	5.937	34.223	5.895	26.974	116.2	0.774
600	5.536	34.297	5.485	27.083	106.8	0.886
800	4.726	34.379	4.662	27.243	92.8	1.084
1000	4.022	34.448	3.946	27.375	80.9	1.256
1001	4.019	34.448	3.943	27.375	80.9	1.257

STA NO 93 COC11 LAT: 38 17.7 N LONG:123 59.0 W
23 MAY 1981 0659 GMT PROBE 2561 DEPTH 3317M
65.0 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.320	33.456	10.320	25.713	228.9	0.002
10	10.323	33.461	10.321	25.717	228.7	0.023
20	10.320	33.460	10.318	25.717	228.9	0.046
30	10.327	33.462	10.324	25.717	229.1	0.069
40	10.338	33.464	10.333	25.717	229.3	0.091
50	10.315	33.474	10.309	25.729	228.5	0.115
60	10.070	33.507	10.064	25.796	222.3	0.137
70	9.902	33.511	9.894	25.828	219.5	0.159
80	9.647	33.507	9.638	25.868	215.8	0.181
90	9.569	33.596	9.559	25.950	208.3	0.202
100	9.518	33.789	9.507	26.109	193.4	0.222
110	8.825	33.828	8.814	26.250	180.0	0.241
120	8.319	33.787	8.307	26.296	175.7	0.259
130	8.149	33.831	8.135	26.358	170.1	0.276
140	8.099	33.852	8.085	26.381	168.0	0.293
150	8.034	33.882	8.019	26.414	165.0	0.310
175	8.353	34.032	8.335	26.484	159.0	0.350
200	8.116	34.053	8.096	26.536	154.4	0.390
225	7.563	34.022	7.541	26.594	149.1	0.427
250	7.100	34.001	7.077	26.643	144.6	0.464
300	6.521	34.031	6.495	26.745	135.4	0.534
400	5.984	34.140	5.950	26.902	121.6	0.662
500	5.406	34.189	5.365	27.011	112.0	0.779
600	5.075	34.254	5.027	27.103	104.2	0.887
800	4.450	34.380	4.388	27.274	89.3	1.079
1000	3.855	34.450	3.781	27.392	78.8	1.248
1007	3.848	34.450	3.773	27.394	78.7	1.253



STATION 93 COC11



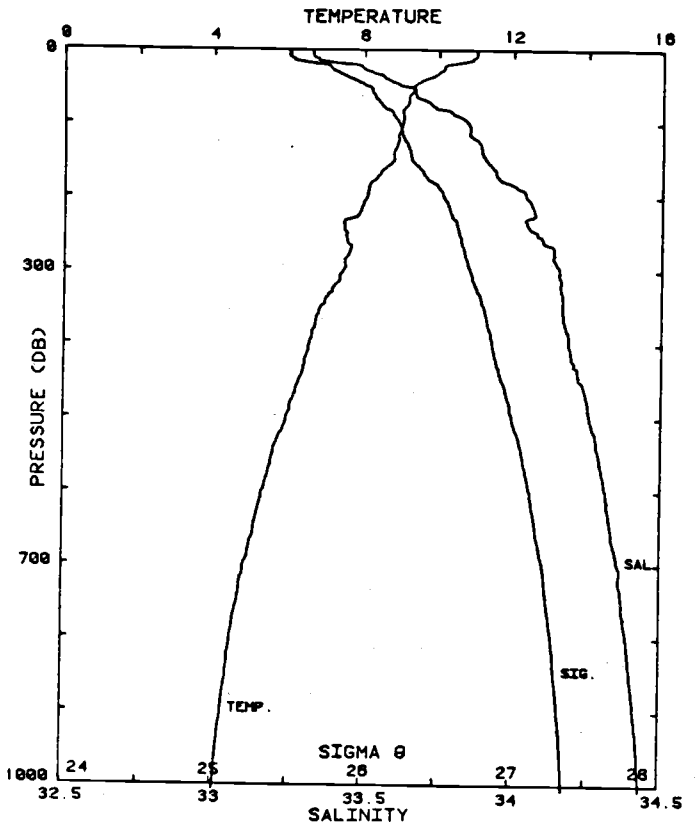
STATION 94 COC10

STA NO 94 COC10 LAT: 38 20.9 N LONG:123 54.7 W
 23 MAY 1981 0819 GMT PROBE 2561 DEPTH 2453M
 56.1 KM FROM SHORE LIN INT SAL. AT 51-73DB

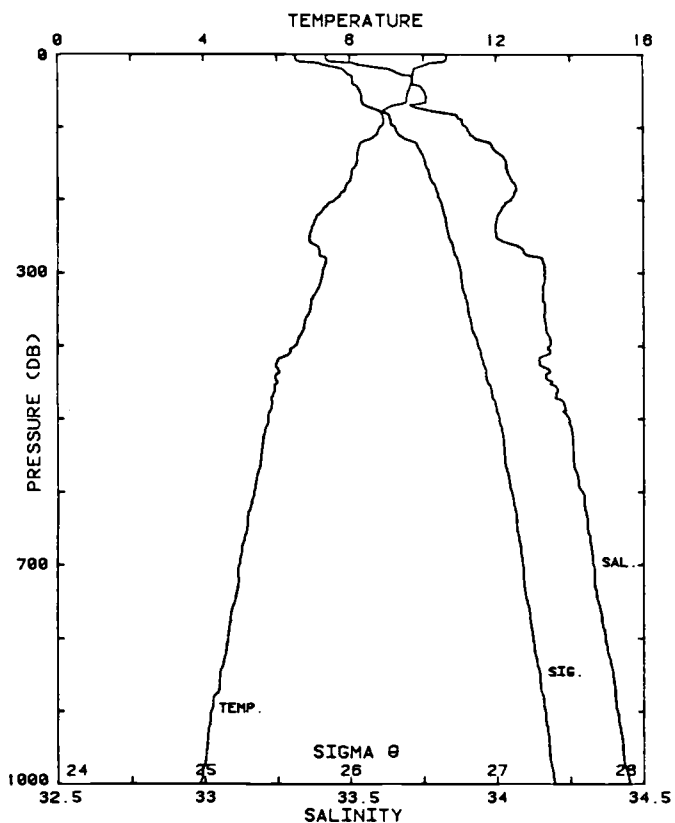
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.217	33.325	11.217	25.454	253.5	0.003
10	11.170	33.333	11.170	25.469	252.4	0.026
20	10.922	33.352	10.919	25.527	247.0	0.051
30	10.611	33.406	10.607	25.624	238.0	0.075
40	10.246	33.475	10.241	25.742	227.1	0.098
50	10.005	33.549	10.000	25.840	217.9	0.120
60	9.751	33.585	9.744	25.910	211.4	0.141
70	9.630	33.621	9.623	25.958	207.0	0.163
80	9.532	33.656	9.523	26.003	203.0	0.183
90	9.439	33.667	9.429	26.027	200.9	0.203
100	9.345	33.690	9.334	26.060	197.9	0.223
110	9.233	33.745	9.221	26.121	192.4	0.243
120	9.227	33.781	9.215	26.151	189.8	0.262
130	9.194	33.799	9.181	26.170	188.1	0.281
140	8.951	33.814	8.936	26.221	183.5	0.299
150	8.884	33.853	8.868	26.261	179.8	0.317
175	8.286	33.886	8.269	26.380	168.8	0.361
200	8.347	34.012	8.327	26.470	160.8	0.403
225	8.104	34.056	8.081	26.541	154.4	0.442
250	7.318	34.000	7.294	26.611	147.7	0.479
300	6.766	34.033	6.739	26.714	138.5	0.551
400	6.532	34.191	6.496	26.871	125.1	0.682
500	5.942	34.264	5.898	27.006	113.2	0.802
600	5.420	34.297	5.370	27.096	105.3	0.911
800	4.602	34.387	4.540	27.263	90.6	1.105
1000	3.937	34.450	3.862	27.385	79.7	1.275
1005	3.933	34.451	3.858	27.386	79.7	1.279

STA NO 95 COC9 LAT: 38 24.1 N LONG:123 49.2 W
 23 MAY 1981 0948 GMT PROBE 2561 DEPTH 1787M
 46.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.011	33.325	11.011	25.490	250.1	0.003
10	10.989	33.330	10.988	25.498	249.5	0.025
20	10.316	33.451	10.314	25.710	229.6	0.049
30	10.058	33.515	10.055	25.805	220.8	0.072
40	9.680	33.576	9.675	25.915	210.5	0.093
50	9.311	33.634	9.306	26.020	200.7	0.114
60	9.264	33.673	9.257	26.058	197.3	0.134
70	9.192	33.706	9.184	26.097	193.8	0.153
80	9.079	33.742	9.071	26.142	189.7	0.172
90	9.052	33.806	9.043	26.197	184.7	0.191
100	9.035	33.849	9.024	26.234	181.4	0.209
110	8.967	33.856	8.955	26.250	180.0	0.228
120	8.920	33.864	8.908	26.264	178.9	0.245
130	8.880	33.891	8.866	26.292	176.5	0.263
140	8.790	33.896	8.776	26.310	175.0	0.281
150	8.793	33.909	8.778	26.319	174.2	0.298
175	8.334	33.953	8.316	26.425	164.6	0.340
200	8.076	34.046	8.056	26.537	154.4	0.380
225	7.848	34.074	7.826	26.593	149.3	0.418
250	7.551	34.081	7.527	26.642	145.0	0.455
300	7.454	34.158	7.425	26.718	138.7	0.525
400	6.557	34.187	6.521	26.864	125.7	0.656
500	5.949	34.259	5.906	27.001	113.6	0.776
600	5.313	34.316	5.264	27.124	102.5	0.884
800	4.494	34.389	4.431	27.275	89.2	1.075
1000	4.081	34.436	4.004	27.359	82.5	1.246
1007	4.059	34.438	3.983	27.363	82.2	1.252



STATION 95 COC 9



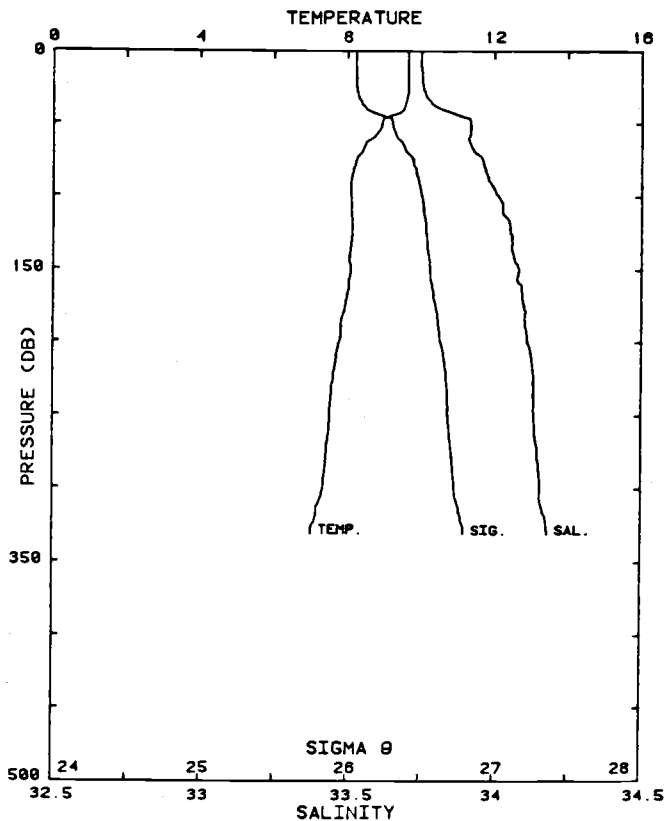
STATION 96 COC 8

STA NO 96 COC8 LAT: 38 27.1 N LONG:123 44.5 W
 23 MAY 1981 1129 GMT PROBE 2561 DEPTH 1251M
 37.4 KM FROM SHORE

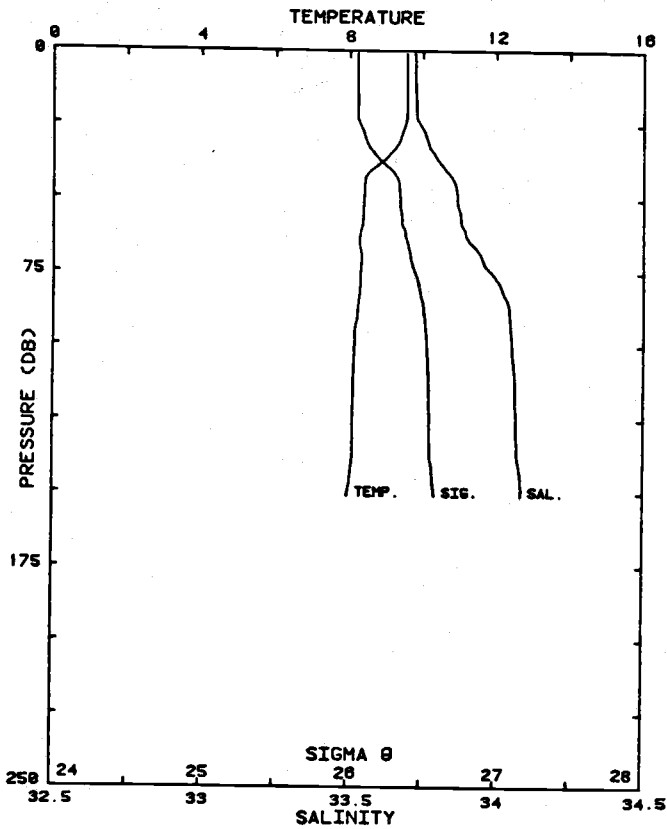
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.612	33.423	10.612	25.637	236.1	0.002
10	10.574	33.431	10.573	25.651	235.0	0.024
20	9.773	33.617	9.771	25.931	208.6	0.046
30	9.703	33.690	9.700	26.000	202.2	0.066
40	9.686	33.711	9.682	26.018	200.6	0.086
50	9.601	33.750	9.595	26.064	196.6	0.106
60	9.543	33.760	9.536	26.081	195.1	0.126
70	9.304	33.729	9.297	26.097	193.9	0.145
80	8.866	33.801	8.858	26.222	182.1	0.164
90	8.906	33.875	8.896	26.274	177.3	0.182
100	8.817	33.898	8.806	26.306	174.5	0.200
110	8.719	33.911	8.708	26.332	172.2	0.217
120	8.345	33.965	8.333	26.432	162.9	0.234
130	8.231	33.990	8.218	26.469	159.5	0.249
140	8.187	34.021	8.173	26.500	156.8	0.266
150	8.161	34.034	8.147	26.514	155.6	0.282
175	7.978	34.053	7.960	26.557	151.9	0.320
200	7.577	34.050	7.557	26.614	146.3	0.357
225	7.053	34.002	7.032	26.649	143.6	0.393
250	6.879	34.000	6.856	26.672	141.7	0.429
300	7.226	34.164	7.198	26.753	135.1	0.498
400	6.474	34.182	6.437	26.872	125.0	0.629
500	5.728	34.244	5.686	27.016	111.9	0.747
600	5.345	34.289	5.295	27.099	104.7	0.856
800	4.637	34.370	4.574	27.246	92.3	1.053
1000	3.865	34.450	3.791	27.392	78.9	1.223
1001	3.862	34.450	3.788	27.393	78.8	1.224

STA NO 97 COC7 LAT: 38 30.3 N LONG:123 39.6 W
 23 MAY 1981 1254 GMT PROBE 2561 DEPTH 355M
 27.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.643	33.750	9.643	26.056	196.2	0.002
10	9.642	33.749	9.642	26.056	196.5	0.020
20	9.646	33.754	9.644	26.058	196.5	0.039
30	9.630	33.764	9.627	26.070	195.6	0.059
40	9.521	33.812	9.517	26.126	190.5	0.078
50	8.925	33.920	8.921	26.306	173.6	0.097
60	8.677	33.917	8.671	26.342	170.3	0.114
70	8.373	33.936	8.366	26.404	164.5	0.131
80	8.184	33.969	8.176	26.458	159.5	0.147
90	8.090	33.985	8.081	26.486	157.2	0.163
100	8.095	34.011	8.084	26.506	155.4	0.178
110	8.100	34.027	8.089	26.517	154.5	0.193
120	8.125	34.053	8.113	26.534	153.1	0.208
130	8.104	34.060	8.092	26.542	152.5	0.224
140	8.054	34.064	8.040	26.554	151.6	0.240
150	8.092	34.082	8.076	26.562	151.0	0.255
175	7.942	34.101	7.925	26.600	147.9	0.292
200	7.777	34.114	7.758	26.635	145.0	0.329
225	7.615	34.133	7.593	26.674	141.6	0.364
250	7.532	34.135	7.508	26.687	140.7	0.400
300	7.349	34.157	7.320	26.731	137.3	0.469
331	7.024	34.182	6.993	26.797	131.4	0.510



STATION 97 COC 7



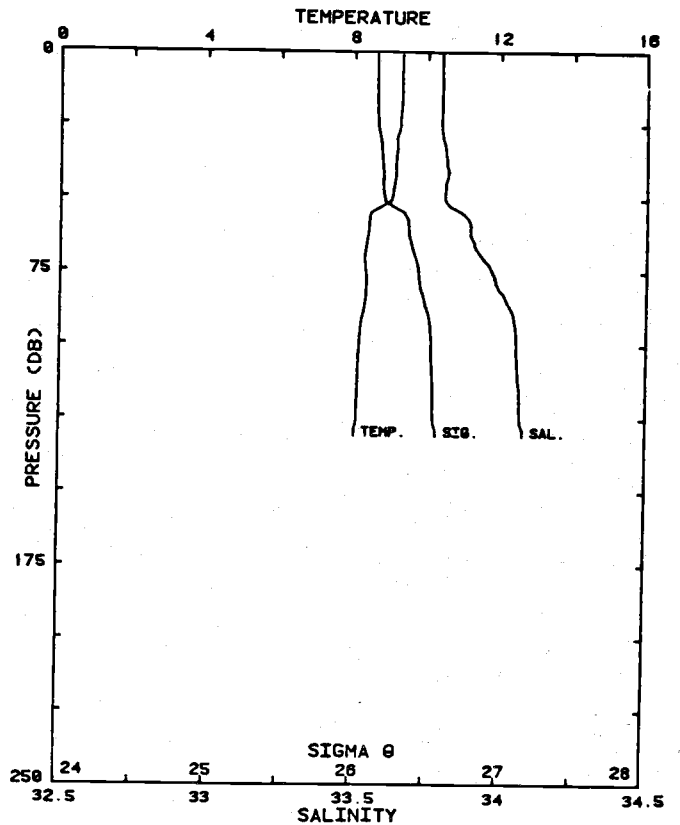
STATION 98 COC 6

STA NO 98 COC6 LAT: 38 33.0 N LONG:123 36.5 W
 23 MAY 1981 1346 GMT PROBE 2561 DEPTH 155M
 21.5 KM FROM SHORE

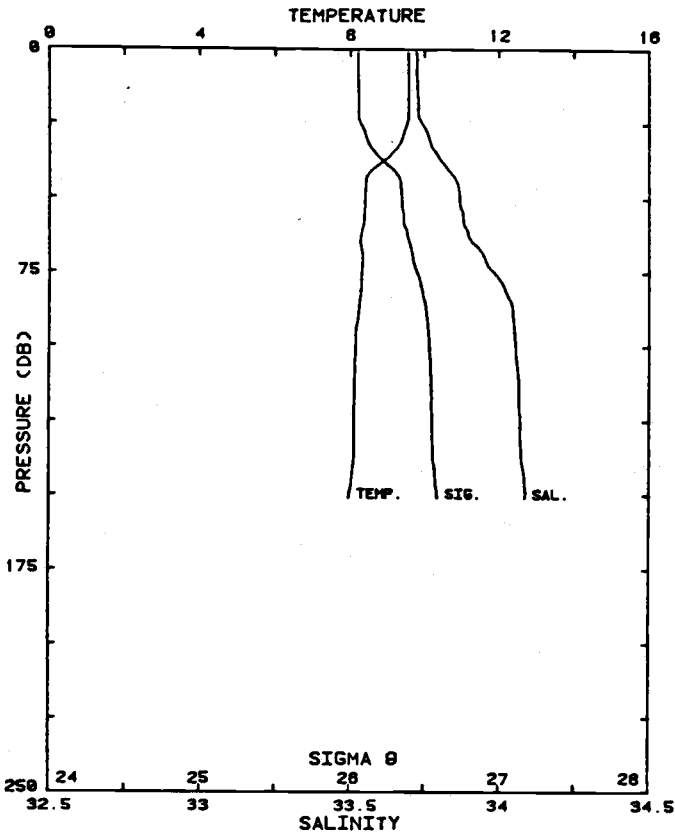
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.550	33.723	9.550	26.050	196.9	0.002
10	9.551	33.723	9.550	26.051	196.9	0.020
20	9.556	33.728	9.553	26.054	196.9	0.039
30	9.379	33.766	9.376	26.112	191.6	0.059
40	8.653	33.830	8.649	26.278	176.0	0.078
50	8.398	33.867	8.393	26.346	169.7	0.095
60	8.339	33.889	8.333	26.373	167.4	0.112
70	8.336	33.948	8.329	26.420	163.1	0.128
80	8.293	34.017	8.285	26.479	157.6	0.144
90	8.217	34.047	8.207	26.515	154.4	0.160
100	8.144	34.054	8.134	26.531	153.0	0.175
110	8.122	34.063	8.111	26.542	152.2	0.191
120	8.106	34.066	8.094	26.548	151.8	0.206
130	8.106	34.069	8.093	26.549	151.8	0.221
140	8.077	34.076	8.064	26.559	151.1	0.236
150	7.976	34.088	7.961	26.584	148.9	0.250
151	7.960	34.088	7.945	26.587	148.6	0.252

STA NO 99 COC5 LAT: 38 34.8 N LONG:123 33.6 W
 23 MAY 1981 1435 GMT PROBE 2561 DEPTH 135M
 15.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.292	33.798	9.291	26.151	187.2	0.002
10	9.281	33.798	9.281	26.153	187.3	0.019
20	9.260	33.797	9.258	26.156	187.2	0.038
30	9.152	33.803	9.149	26.178	185.3	0.056
40	9.121	33.818	9.117	26.194	183.9	0.075
50	9.012	33.811	9.007	26.207	182.9	0.093
60	8.397	33.896	8.391	26.369	167.7	0.111
70	8.282	33.935	8.275	26.417	163.3	0.127
80	8.329	33.988	8.321	26.452	160.2	0.143
90	8.235	34.045	8.226	26.510	154.9	0.159
100	8.149	34.055	8.139	26.531	153.0	0.175
110	8.121	34.061	8.110	26.541	152.4	0.190
120	8.105	34.067	8.093	26.548	151.8	0.205
130	8.033	34.078	8.020	26.568	150.1	0.220
131	8.032	34.078	8.019	26.568	150.1	0.221



STATION 99 COC 5



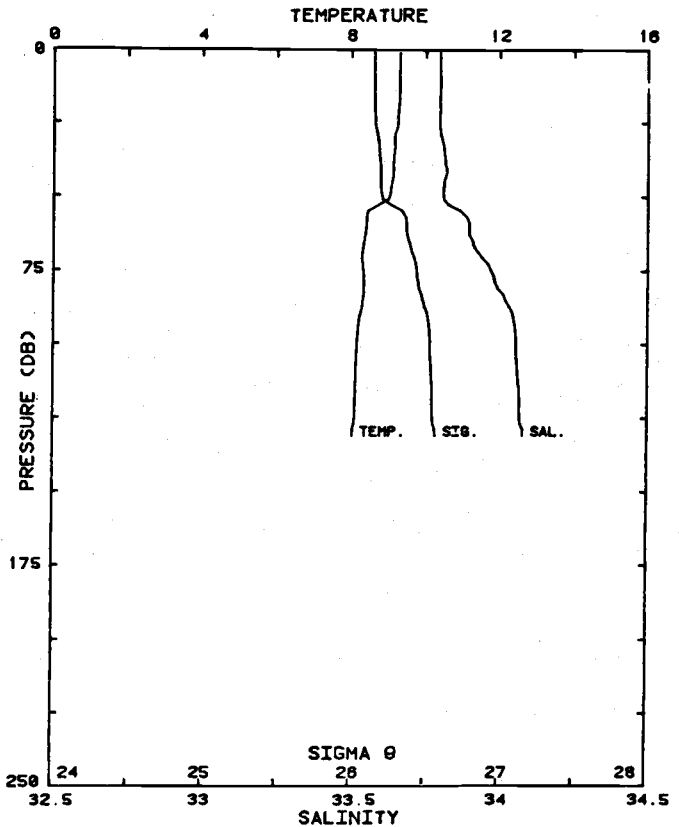
STATION 98 COC 6

STA NO 98 COC6 LAT: 38 33.0 N LONG:123 36.5 W
 23 MAY 1981 1346 GMT PROBE 2561 DEPTH 155M
 21.5 KM FROM SHORE

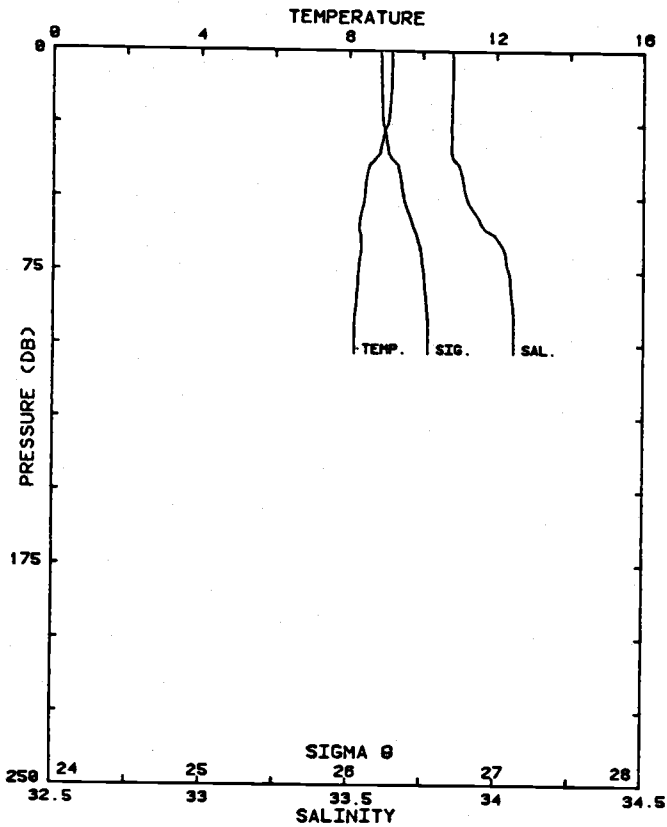
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.550	33.723	9.550	26.050	196.9	0.002
10	9.551	33.723	9.550	26.051	196.9	0.020
20	9.556	33.728	9.553	26.054	196.9	0.039
30	9.379	33.766	9.376	26.112	191.6	0.059
40	8.653	33.830	8.649	26.278	176.0	0.078
50	8.398	33.867	8.393	26.346	169.7	0.075
60	8.339	33.889	8.333	26.373	167.4	0.112
70	8.336	33.948	8.329	26.420	163.1	0.128
80	8.293	34.017	8.285	26.479	157.6	0.144
90	8.217	34.047	8.207	26.515	154.4	0.160
100	8.144	34.054	8.134	26.531	153.0	0.175
110	8.122	34.063	8.111	26.542	152.2	0.191
120	8.106	34.066	8.094	26.548	151.8	0.206
130	8.106	34.069	8.093	26.549	151.8	0.221
140	8.077	34.076	8.064	26.559	151.1	0.236
150	7.976	34.088	7.961	26.584	148.9	0.250
151	7.960	34.088	7.945	26.587	148.6	0.252

STA NO 99 COC5 LAT: 38 34.8 N LONG:123 33.6 W
 23 MAY 1981 1435 GMT PROBE 2561 DEPTH 135M
 15.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.292	33.798	9.291	26.151	187.2	0.002
10	9.281	33.798	9.281	26.153	187.3	0.019
20	9.260	33.797	9.258	26.156	187.2	0.038
30	9.152	33.803	9.149	26.178	185.3	0.056
40	9.121	33.818	9.117	26.194	183.9	0.075
50	9.012	33.811	9.007	26.207	182.9	0.093
60	8.397	33.896	8.391	26.369	167.7	0.111
70	8.282	33.935	8.275	26.417	163.3	0.127
80	8.329	33.988	8.321	26.452	160.2	0.143
90	8.235	34.045	8.226	26.510	154.9	0.159
100	8.149	34.055	8.139	26.531	153.0	0.175
110	8.121	34.061	8.110	26.541	152.4	0.190
120	8.105	34.067	8.093	26.548	151.8	0.205
130	8.033	34.078	8.020	26.568	150.1	0.220
131	8.032	34.078	8.019	26.568	150.1	0.221



STATION 99 COC 5



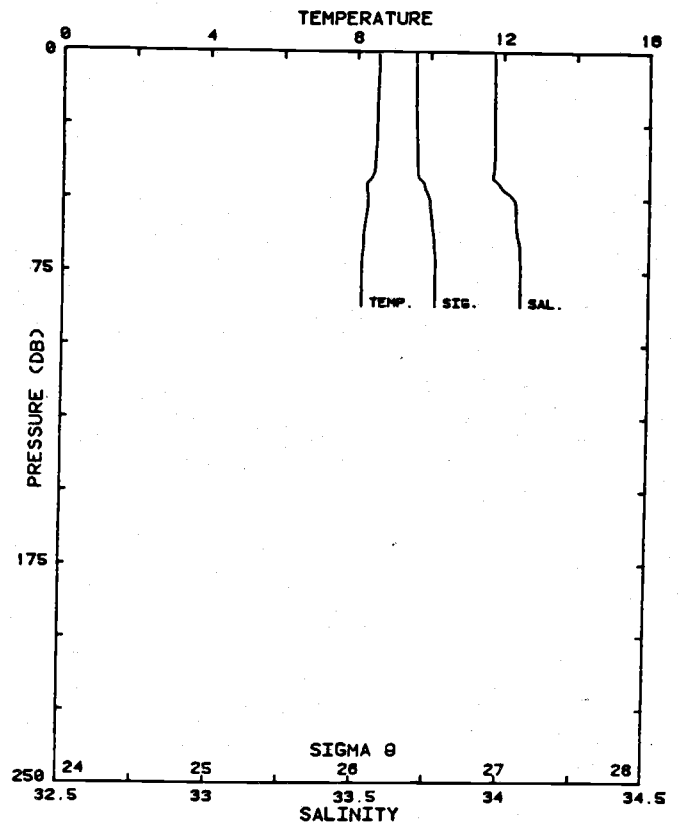
STATION 100 COC 4

STA NO 100 COC4 LAT: 38 36.2 N LONG:123 30.8 W
 23 MAY 1981 1511 GMT PROBE 2561 DEPTH 109M
 11.3 KM FROM SHORE

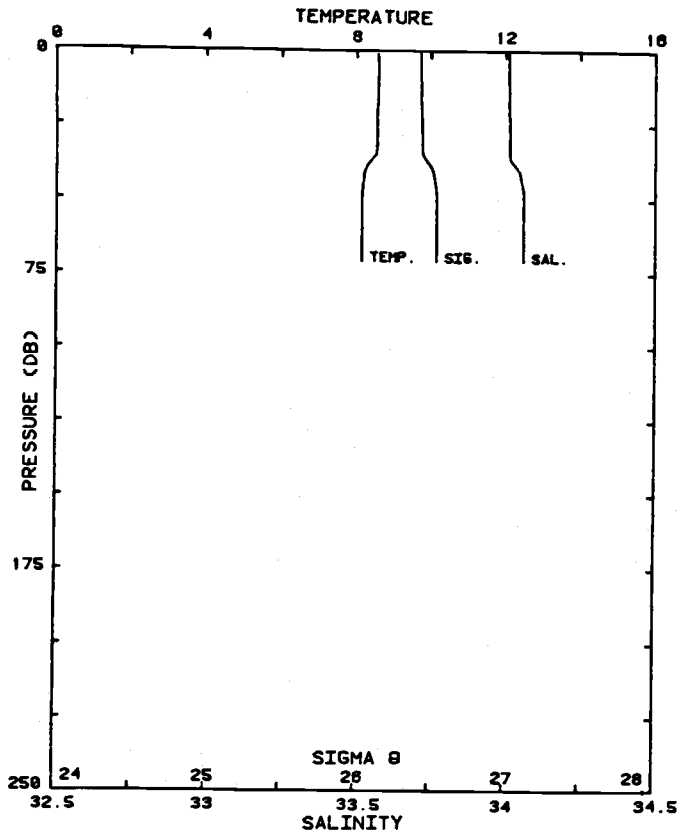
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.153	33.849	9.152	26.213	181.4	0.002
10	9.139	33.849	9.137	26.216	181.3	0.018
20	9.092	33.848	9.090	26.223	180.8	0.036
30	8.893	33.847	8.892	26.253	178.1	0.054
40	8.516	33.877	8.511	26.336	170.5	0.072
50	8.408	33.900	8.402	26.370	167.4	0.089
60	8.270	33.955	8.264	26.435	161.4	0.105
70	8.294	34.032	8.288	26.491	156.3	0.121
80	8.231	34.049	8.222	26.515	154.2	0.137
90	8.155	34.059	8.146	26.534	152.6	0.152
100	8.136	34.059	8.126	26.537	152.5	0.168
103	8.136	34.059	8.126	26.537	152.5	0.172

STA NO 101 COC3 LAT: 38 37.5 N LONG:123 28.9 W
 23 MAY 1981 1541 GMT PROBE 2561 DEPTH 93M
 7.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	8.566	33.968	8.565	26.399	163.8	0.002
10	8.556	33.969	8.555	26.401	163.7	0.016
20	8.543	33.969	8.542	26.403	163.7	0.033
30	8.521	33.970	8.519	26.408	163.4	0.049
40	8.470	33.968	8.465	26.414	163.0	0.066
50	8.294	34.032	8.289	26.492	153.9	0.082
60	8.197	34.046	8.191	26.517	153.6	0.097
70	8.148	34.060	8.141	26.535	152.1	0.113
80	8.137	34.061	8.129	26.538	152.0	0.127
87	8.136	34.061	8.127	26.538	152.1	0.138



STATION 101 COC 3



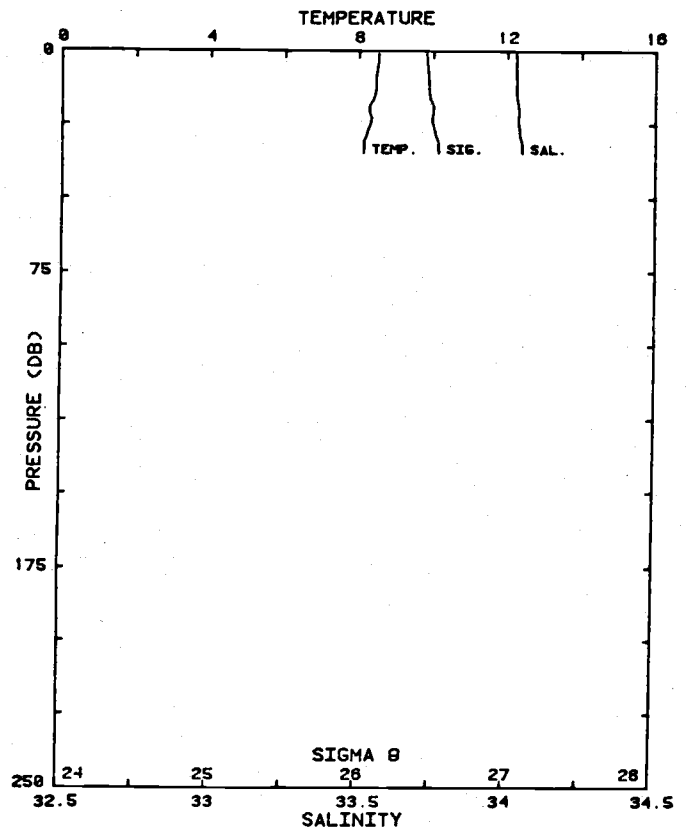
STATION 102 COC 2

STA NO 102 COC2 LAT: 38 38.8 N LONG:123 26.9 W
 23 MAY 1981 1611 GHT PROBE 2561 DEPTH 76M
 3.7 KM FROM SHORE

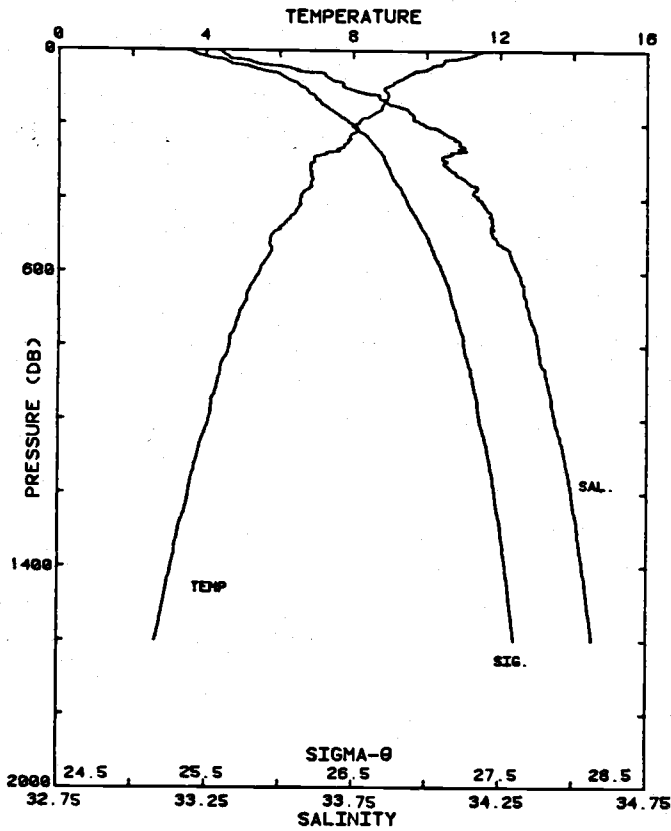
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
1	8.574	34.010	8.574	26.430	160.7	0.002
10	8.568	34.011	8.566	26.433	160.7	0.016
20	8.550	34.013	8.547	26.437	160.6	0.033
30	8.542	34.013	8.538	26.438	160.6	0.049
40	8.233	34.042	8.229	26.507	154.2	0.065
50	8.144	34.061	8.139	26.536	151.6	0.080
60	8.142	34.061	8.135	26.537	151.8	0.095
70	8.142	34.060	8.135	26.536	152.0	0.110
71	8.142	34.060	8.135	26.536	152.0	0.111

STA NO 103 COC1 LAT: 38 39.8 N LONG:123 25.5 W
 23 MAY 1981 1644 GHT PROBE 2561 DEPTH 38M
 1.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
			TEMP	THETA		
1	8.522	34.027	8.522	26.452	158.7	0.002
10	8.443	34.030	8.441	26.467	157.5	0.016
20	8.267	34.037	8.264	26.499	154.6	0.032
30	8.142	34.046	8.140	26.525	152.3	0.047
35	8.103	34.049	8.099	26.533	151.6	0.054



STATION 103 COC 1



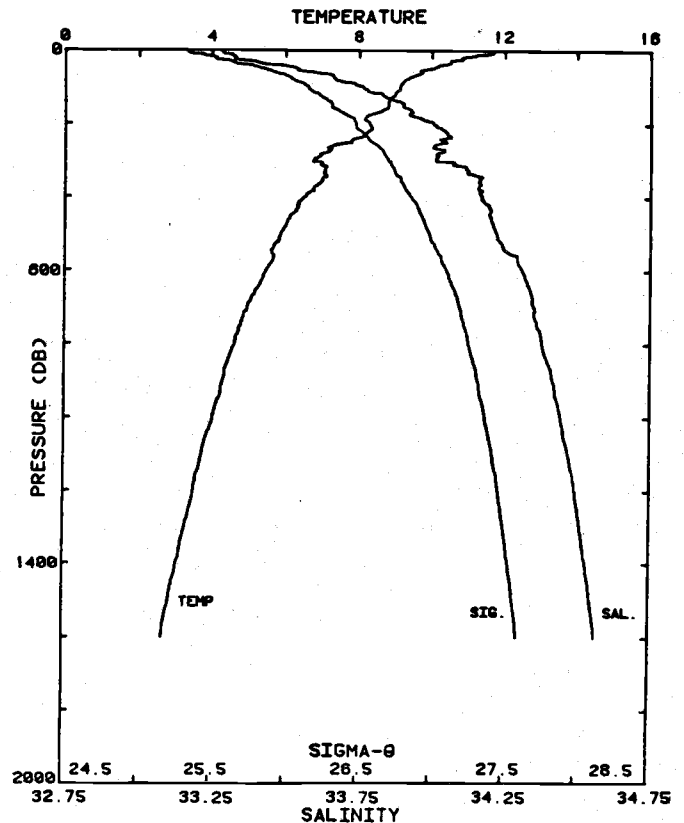
STATION 104 COC10

STA NO 104 COC10 LAT: 38 20.8 N LONG:123 54.5 W
 24 MAY 1981 0300 GMT PROBE 2561 DEPTH 2416M

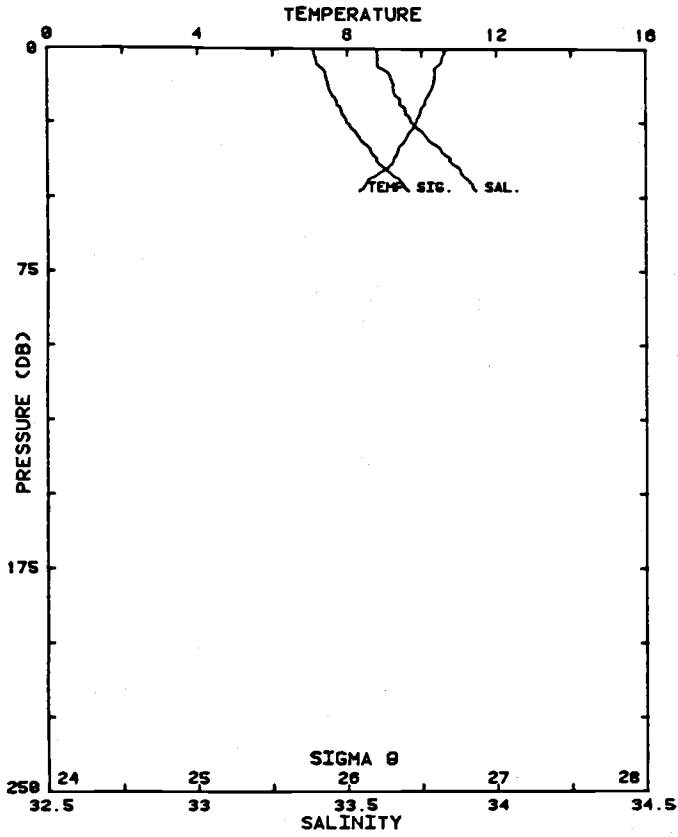
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.501	33.295	11.501	25.378	260.7	0.003
10	11.335	33.309	11.333	25.420	257.0	0.026
20	10.981	33.330	10.978	25.499	249.6	0.052
30	10.474	33.392	10.471	25.637	236.7	0.076
40	10.354	33.434	10.349	25.691	231.9	0.099
50	10.057	33.537	10.051	25.822	219.6	0.122
60	9.631	33.576	9.625	25.923	210.2	0.143
70	9.463	33.654	9.455	26.012	201.7	0.163
80	9.295	33.674	9.286	26.056	198.0	0.183
90	9.099	33.714	9.090	26.118	192.2	0.203
100	8.935	33.714	8.925	26.144	189.9	0.222
110	8.850	33.753	8.839	26.187	186.0	0.241
120	8.946	33.800	8.933	26.209	184.1	0.259
130	8.937	33.840	8.924	26.243	181.2	0.278
140	8.849	33.860	8.835	26.272	178.6	0.296
150	8.805	33.878	8.790	26.294	176.7	0.314
175	8.525	33.952	8.507	26.395	167.5	0.356
200	8.076	33.987	8.056	26.491	158.7	0.398
225	7.980	34.059	7.958	26.562	152.4	0.436
250	7.825	34.112	7.800	26.627	146.6	0.474
300	6.946	34.068	6.918	26.717	138.4	0.544
400	6.545	34.172	6.509	26.854	126.6	0.677
500	5.774	34.222	5.732	26.993	114.2	0.798
600	5.431	34.312	5.381	27.107	104.3	0.907
800	4.640	34.380	4.577	27.253	91.7	1.102
1000	4.079	34.437	4.003	27.360	82.5	1.275
1500	2.856	34.549	2.750	27.569	63.2	1.633
1601	2.638	34.565	2.526	27.602	60.0	1.696

STA NO 105 COC1 LAT: 38 20.8 N LONG:123 54.5 W
 24 MAY 1981 0416 GMT PROBE 2567 DEPTH 2482M
 LIN INT SAL. AT 356DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	11.677	33.284	11.677	25.338	264.6	0.000
10	11.613	33.289	11.612	25.353	263.3	0.026
20	10.866	33.329	10.864	25.520	247.7	0.052
30	10.512	33.381	10.508	25.622	238.2	0.076
40	10.256	33.452	10.251	25.722	228.9	0.100
50	10.019	33.536	10.014	25.827	219.1	0.122
60	9.744	33.590	9.738	25.915	210.9	0.144
70	9.513	33.662	9.506	26.010	202.1	0.164
80	9.279	33.669	9.270	26.054	198.1	0.184
90	9.166	33.729	9.156	26.119	192.1	0.204
100	9.117	33.763	9.106	26.153	189.1	0.223
110	9.063	33.780	9.051	26.176	187.1	0.242
120	8.981	33.830	8.968	26.228	182.4	0.260
130	8.868	33.852	8.855	26.263	179.2	0.278
140	8.790	33.890	8.775	26.305	175.4	0.296
150	8.795	33.902	8.779	26.314	174.8	0.314
175	8.298	33.920	8.281	26.404	166.5	0.356
200	8.276	34.005	8.256	26.475	160.3	0.397
225	8.190	34.052	8.168	26.525	156.0	0.437
250	7.777	34.050	7.752	26.585	150.5	0.475
300	6.758	34.014	6.731	26.700	139.8	0.547
400	6.502	34.172	6.466	26.860	126.1	0.680
500	5.865	34.222	5.822	26.982	115.3	0.800
600	5.448	34.310	5.398	27.103	104.7	0.910
800	4.624	34.379	4.561	27.254	91.5	1.105
1000	4.029	34.444	3.953	27.371	81.3	1.277
1500	2.861	34.550	2.755	27.570	63.1	1.635
1600	2.684	34.566	2.571	27.599	60.4	1.696



STATION 105 COC10



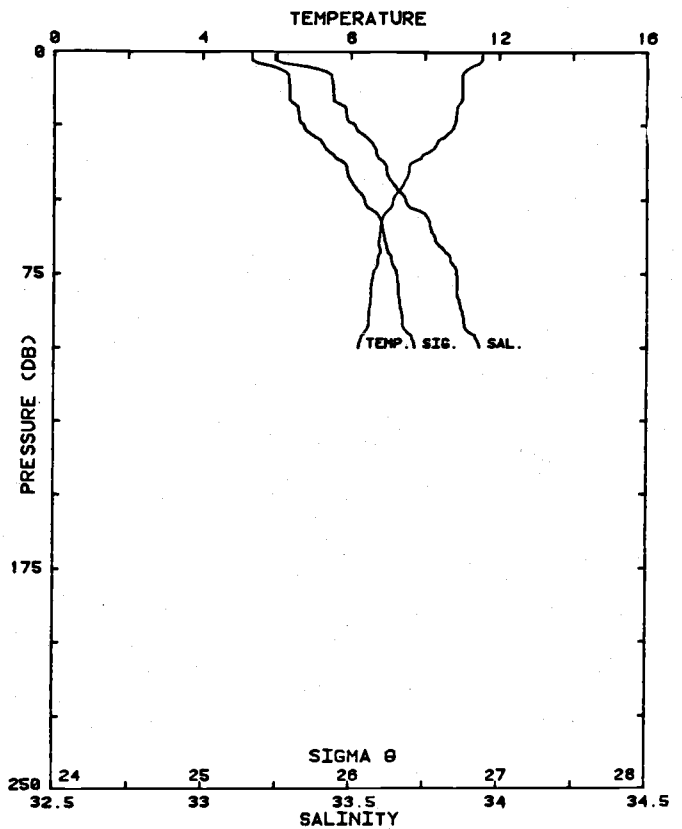
STATION 106 AR1

STA NO 106 AR1 LAT: 38 56.7 N LONG:123 46.1 W
 24 MAY 1981 1058 GMT PROBE 2567 DEPTH 52M
 3.3 KM FROM SHORE

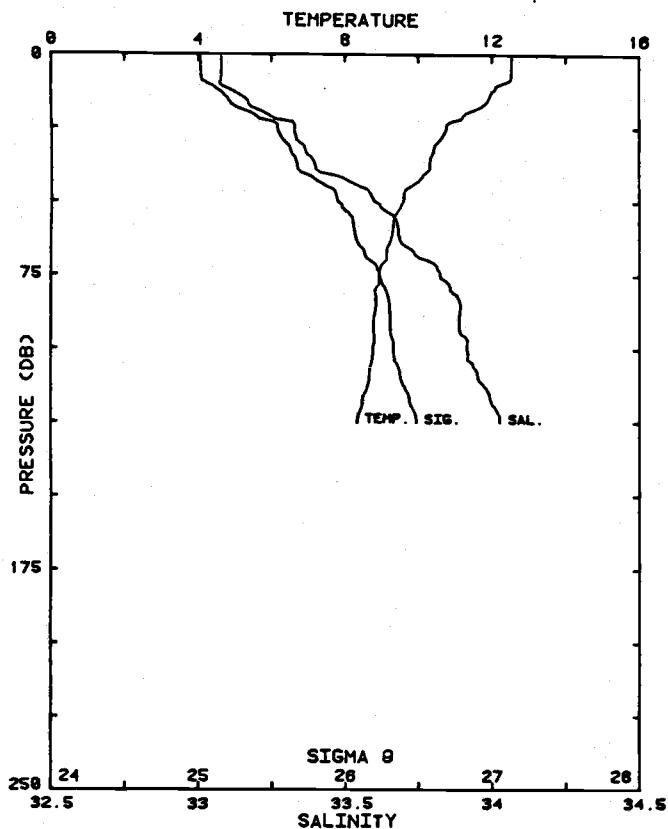
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	10.618	33.599	10.618	25.772	223.2	0.000
10	10.338	33.645	10.337	25.857	215.4	0.022
20	9.998	33.691	9.995	25.951	206.6	0.043
30	9.577	33.766	9.574	26.080	194.6	0.063
40	9.094	33.870	9.089	26.240	179.6	0.082
48	8.317	33.932	8.312	26.409	163.7	0.096

STA NO 107 AR2 LAT: 38 55.8 N LONG:123 49.3 W
 24 MAY 1981 1152 GMT PROBE 2567 DEPTH 104M
 7.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.536	33.241	11.536	25.330	265.3	0.003
10	10.998	33.436	10.997	25.579	241.8	0.025
20	10.854	33.483	10.851	25.641	236.1	0.049
30	10.345	33.560	10.342	25.790	222.2	0.073
40	9.550	33.619	9.545	25.970	205.3	0.094
50	9.127	33.683	9.122	26.089	194.2	0.114
60	8.785	33.769	8.779	26.210	182.9	0.133
70	8.716	33.835	8.708	26.273	177.1	0.151
80	8.535	33.859	8.526	26.319	172.8	0.168
90	8.467	33.880	8.460	26.346	170.4	0.186
100	8.190	33.934	8.180	26.431	162.6	0.202



STATION 107 AR2



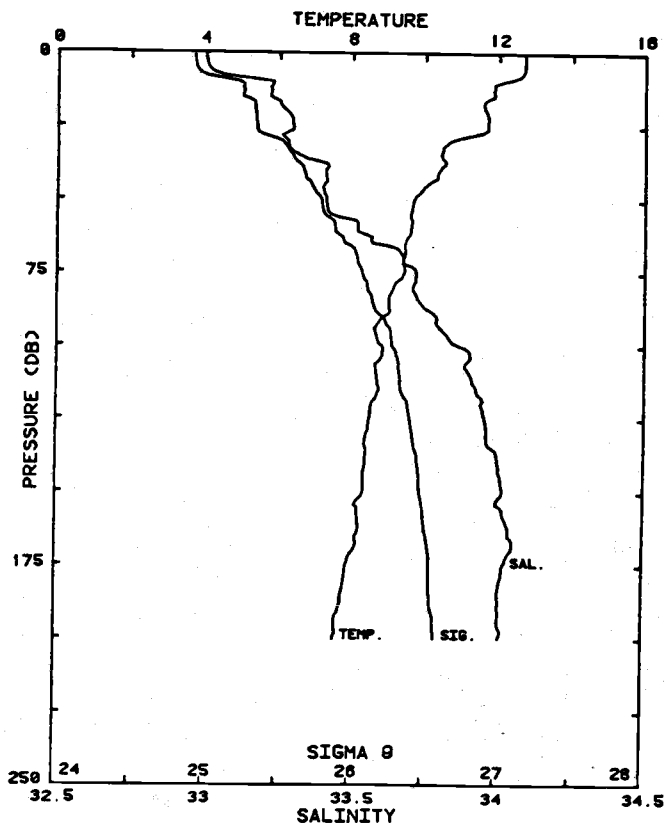
STATION 108 AR3

STA NO 108 AR3 LAT: 38 54.9 N LONG:123 52.6 W
 24 MAY 1981 1235 GMT PROBE 2567 DEPTH 127M
 13.0 KM FROM SHORE LIN INT SAL. AT 121DB

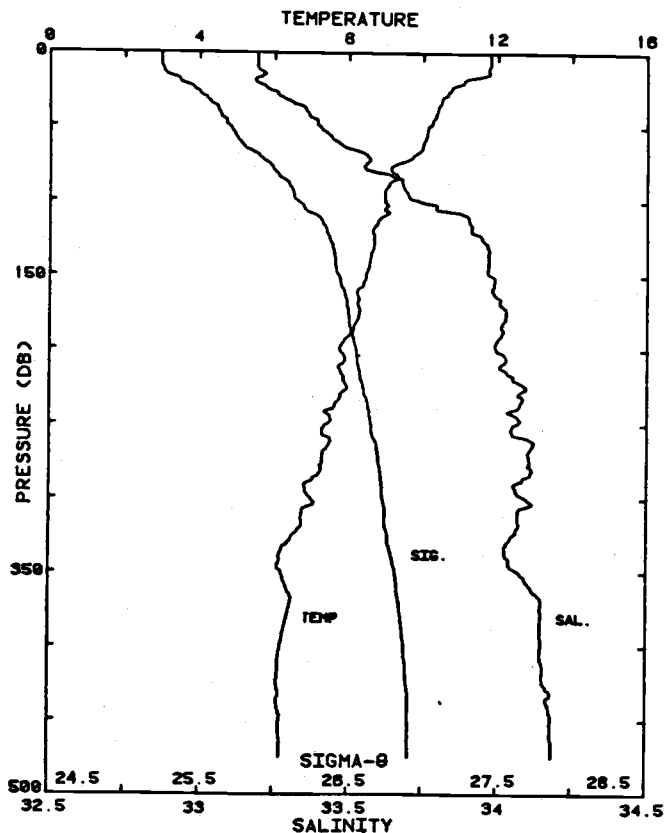
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.535	33.079	12.535	25.016	295.1	0.003
10	12.277	33.072	12.275	25.061	291.1	0.029
20	11.301	33.225	11.298	25.361	262.8	0.057
30	10.508	33.345	10.504	25.595	240.8	0.082
40	10.220	33.413	10.216	25.697	231.2	0.106
50	9.584	33.601	9.578	25.950	207.4	0.127
60	9.284	33.681	9.278	26.062	196.9	0.147
70	9.113	33.779	9.105	26.166	187.3	0.167
80	8.796	33.855	8.788	26.275	177.0	0.185
90	8.762	33.886	8.752	26.305	174.4	0.202
100	8.748	33.912	8.737	26.328	172.4	0.220
110	8.641	33.951	8.630	26.376	168.1	0.237
120	8.420	34.008	8.408	26.454	160.7	0.253
125	8.311	34.025	8.298	26.484	158.0	0.261

STA NO 109 AR4 LAT: 38 53.9 N LONG:123 55.8 W
 24 MAY 1981 1323 GMT PROBE 2567 DEPTH 222M
 17.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.694	33.001	12.693	24.926	303.7	0.003
10	12.050	33.229	12.049	25.225	275.5	0.030
20	11.647	33.276	11.644	25.337	265.1	0.057
30	10.650	33.280	10.646	25.520	247.9	0.083
40	10.389	33.408	10.385	25.664	234.4	0.107
50	9.678	33.411	9.672	25.787	222.9	0.130
60	9.601	33.516	9.595	25.883	213.9	0.152
70	9.432	33.675	9.424	26.034	199.8	0.173
80	9.139	33.709	9.131	26.107	193.0	0.192
90	8.888	33.789	8.879	26.210	183.5	0.211
100	8.832	33.863	8.822	26.277	177.3	0.229
110	8.692	33.906	8.681	26.333	172.2	0.247
120	8.537	33.943	8.525	26.385	167.3	0.264
130	8.410	33.962	8.397	26.420	164.2	0.280
140	8.385	34.000	8.371	26.454	161.2	0.296
150	8.338	34.016	8.323	26.474	159.4	0.312
175	7.904	34.022	7.887	26.543	153.2	0.351
200	7.566	34.011	7.546	26.584	149.6	0.389



STATION 109 AR4



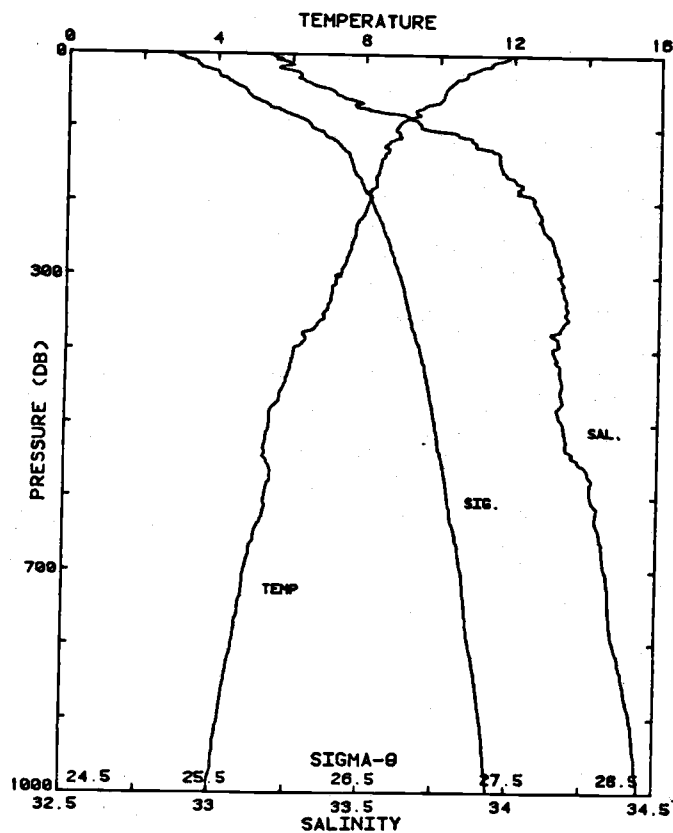
STATION 110 AR5

STA NO 110 AR5 LAT: 38 53.4 N LONG:124 1.0 W
 24 MAY 1981 1410 GMT PROBE 2567 DEPTH 484M
 25.5 KM FROM SHORE

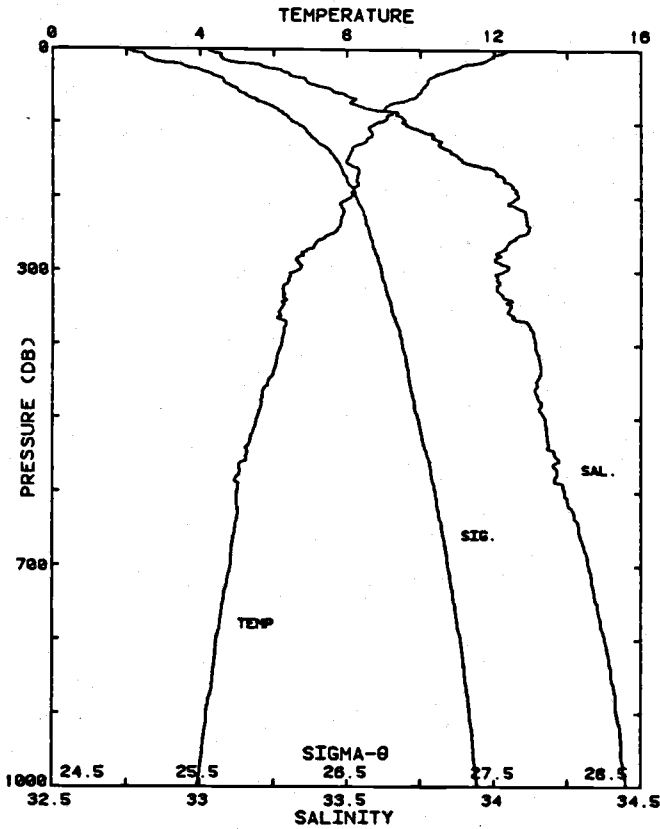
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	11.796	33.192	11.796	25.244	273.4	0.000
10	11.754	33.191	11.752	25.251	273.0	0.027
20	11.068	33.185	11.066	25.372	261.8	0.054
30	10.564	33.267	10.561	25.524	247.5	0.080
40	10.361	33.355	10.357	25.628	237.8	0.104
50	10.126	33.398	10.120	25.702	231.0	0.127
60	10.009	33.451	10.002	25.763	225.4	0.150
70	9.710	33.561	9.703	25.899	212.7	0.172
80	9.139	33.575	9.130	26.002	202.9	0.193
90	9.041	33.679	9.032	26.100	193.9	0.213
100	8.967	33.735	8.956	26.155	188.9	0.232
110	8.941	33.894	8.930	26.284	176.9	0.250
120	8.619	33.910	8.607	26.347	171.0	0.267
130	8.652	33.963	8.638	26.383	167.7	0.284
140	8.548	33.967	8.533	26.403	166.1	0.301
150	8.436	33.973	8.421	26.425	164.1	0.318
175	8.270	34.027	8.252	26.493	158.1	0.358
200	7.721	33.991	7.702	26.546	153.2	0.397
225	7.930	34.088	7.908	26.592	149.5	0.435
250	7.425	34.063	7.401	26.646	144.5	0.471
300	6.983	34.093	6.955	26.731	137.0	0.541
400	6.188	34.148	6.153	26.881	123.8	0.671
475	6.183	34.186	6.141	26.913	121.8	0.763

STA NO 111 AR6 LAT: 38 52.0 N LONG:124 2.3 W
 24 MAY 1981 1501 GMT PROBE 2567 DEPTH 1307M
 28.1 KM FROM SHORE 1 MIN. DELAY AT 119-120DB

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.907	33.179	11.907	25.213	276.4	0.003
10	11.448	33.221	11.446	25.331	265.5	0.027
20	11.039	33.204	11.037	25.391	259.9	0.053
30	10.706	33.280	10.702	25.510	248.8	0.079
40	10.322	33.312	10.318	25.601	240.3	0.103
50	10.147	33.386	10.142	25.689	232.2	0.127
60	10.082	33.426	10.075	25.731	228.4	0.150
70	9.606	33.463	9.598	25.839	218.3	0.172
80	9.377	33.567	9.368	25.958	207.2	0.193
90	9.056	33.668	9.046	26.088	195.0	0.214
100	8.852	33.686	8.842	26.135	190.7	0.233
110	8.907	33.812	8.895	26.225	182.4	0.251
120	8.659	33.872	8.647	26.311	174.4	0.269
130	8.634	33.929	8.620	26.359	170.0	0.286
140	8.513	33.952	8.499	26.396	166.7	0.303
150	8.410	33.957	8.395	26.416	165.0	0.320
175	8.324	34.023	8.306	26.481	159.2	0.360
200	8.111	34.069	8.090	26.550	153.1	0.399
225	7.866	34.091	7.844	26.604	148.4	0.437
250	7.723	34.131	7.699	26.656	143.8	0.474
300	7.261	34.158	7.233	26.745	136.0	0.544
400	6.118	34.139	6.083	26.884	123.5	0.674
500	5.496	34.177	5.454	26.991	114.0	0.793
600	5.395	34.272	5.345	27.079	106.9	0.903
800	4.566	34.358	4.503	27.244	92.3	1.100
1000	3.954	34.449	3.878	27.382	80.1	1.271
1001	3.952	34.448	3.877	27.382	80.0	1.271



STATION 111 AR6



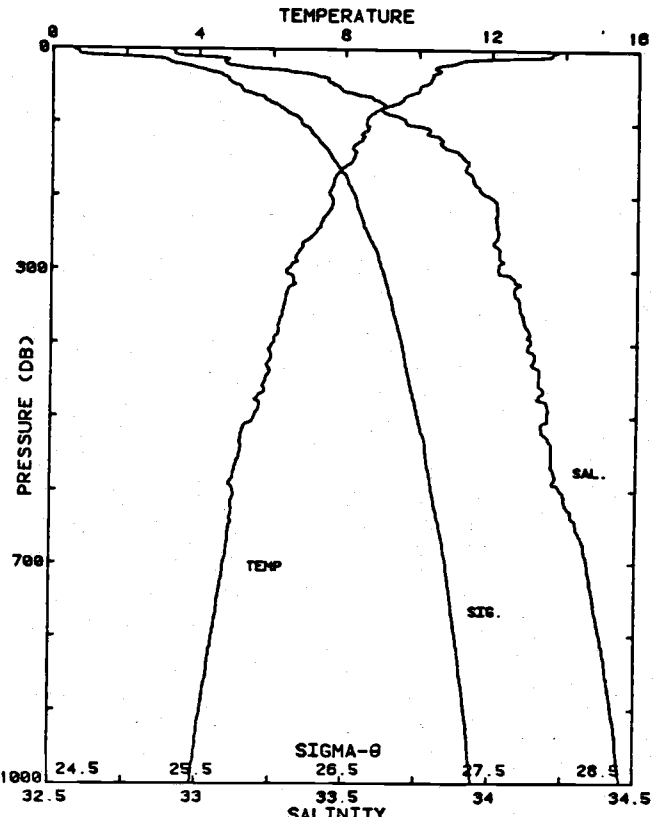
STATION 112 AR7

STA NO 112 AR7 LAT: 38 50.2 N LONG:124 8.1 W
 24 MAY 1981 1624 GMT PROBE 2567 DEPTH 2061M
 37.2 KM FROM SHORE

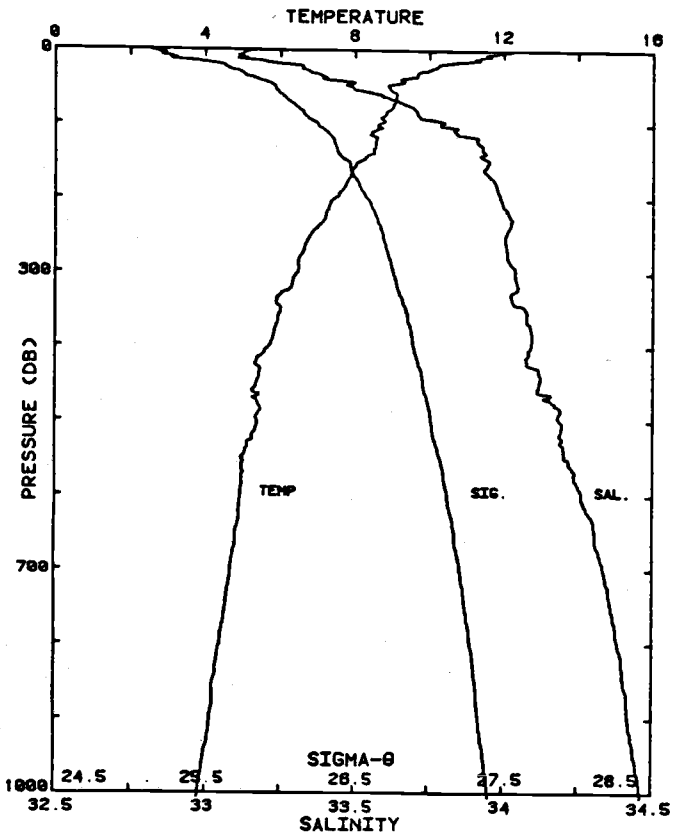
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.462	33.019	12.462	24.984	298.1	0.000
10	11.927	33.070	11.926	25.125	285.0	0.029
20	11.266	33.174	11.264	25.328	266.0	0.057
30	10.682	33.277	10.677	25.513	248.5	0.083
40	10.215	33.359	10.211	25.656	235.1	0.107
50	10.110	33.400	10.104	25.706	230.6	0.130
60	9.937	33.486	9.931	25.802	221.7	0.153
70	9.552	33.519	9.545	25.892	213.3	0.175
80	9.020	33.564	9.011	26.013	201.9	0.195
90	9.072	33.672	9.062	26.089	194.9	0.215
100	8.796	33.691	8.785	26.148	189.5	0.234
110	8.627	33.749	8.618	26.220	182.9	0.253
120	8.573	33.788	8.560	26.258	179.3	0.271
130	8.252	33.812	8.239	26.327	173.0	0.289
140	8.082	33.853	8.068	26.384	167.7	0.306
150	7.977	33.890	7.963	26.429	163.6	0.322
175	8.276	34.034	8.258	26.497	157.7	0.362
200	8.109	34.082	8.089	26.561	152.1	0.401
225	7.880	34.106	7.858	26.613	147.5	0.438
250	7.593	34.104	7.569	26.654	143.9	0.475
300	6.622	34.031	6.595	26.731	136.8	0.545
400	6.204	34.140	6.169	26.874	124.5	0.675
500	5.554	34.171	5.512	26.980	115.1	0.795
600	5.001	34.240	4.953	27.100	104.3	0.905
800	4.441	34.376	4.379	27.272	89.4	1.099
1000	3.915	34.451	3.840	27.388	79.4	1.268

STA NO 113 AR8 LAT: 38 48.3 N LONG:124 14.1 W
 24 MAY 1981 1744 GMT PROBE 2567 DEPTH 2836M
 46.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.777	32.915	13.777	24.643	330.7	0.003
10	13.278	32.937	13.277	24.761	319.7	0.033
20	10.969	33.088	10.967	25.314	267.3	0.061
30	10.599	33.300	10.596	25.544	245.6	0.086
40	10.353	33.437	10.349	25.693	231.6	0.110
50	10.087	33.464	10.081	25.760	225.5	0.133
60	9.889	33.514	9.883	25.833	218.8	0.155
70	9.556	33.597	9.548	25.952	207.6	0.177
80	9.069	33.623	9.060	26.051	198.3	0.197
90	8.682	33.654	8.672	26.136	190.4	0.216
100	8.561	33.704	8.551	26.194	185.0	0.235
110	8.588	33.788	8.577	26.256	179.4	0.253
120	8.475	33.819	8.463	26.298	175.5	0.271
130	8.231	33.825	8.218	26.339	171.8	0.288
140	8.279	33.886	8.265	26.380	168.1	0.305
150	8.188	33.907	8.173	26.411	165.4	0.322
175	7.706	33.934	7.689	26.504	156.9	0.362
200	7.601	33.992	7.582	26.565	151.5	0.401
225	7.472	34.019	7.450	26.604	148.1	0.438
250	7.175	34.022	7.152	26.649	144.1	0.475
300	6.407	34.021	6.381	26.752	134.7	0.544
400	6.044	34.135	6.010	26.870	122.8	0.673
500	5.521	34.193	5.479	27.001	113.1	0.791
600	4.963	34.238	4.916	27.102	104.0	0.999
800	4.434	34.380	4.372	27.276	89.1	1.091
1000	3.876	34.455	3.801	27.395	78.7	1.258
1001	3.875	34.455	3.800	27.395	78.7	1.258



STATION 113 AR8



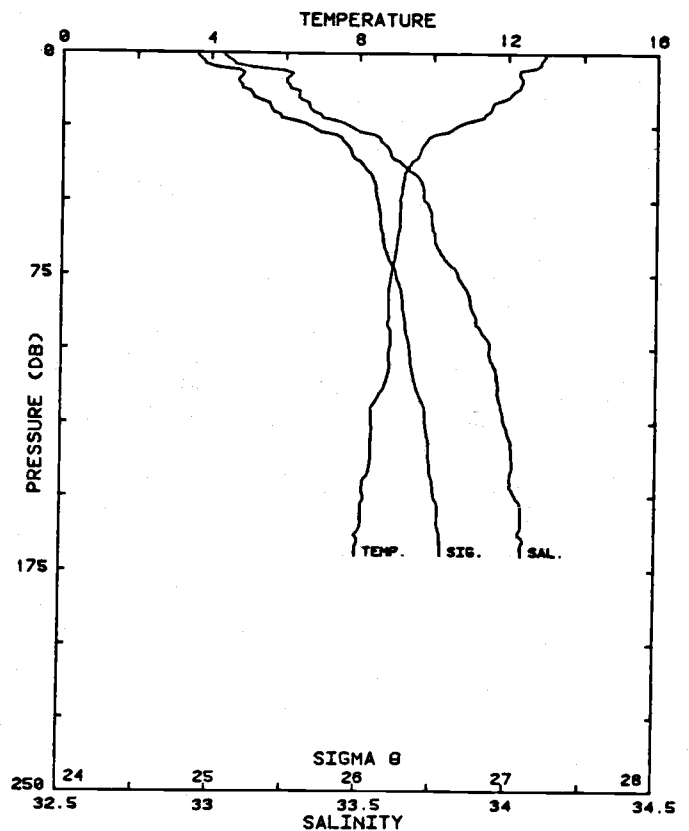
STATION 114 AR9

STA NO 114 AR9 LAT: 38 46.6 N LONG:124 20.1 W
 24 MAY 1981 1904 GMT PROBE 2567 DEPTH 3264M
 56.1 KM FROM SHORE

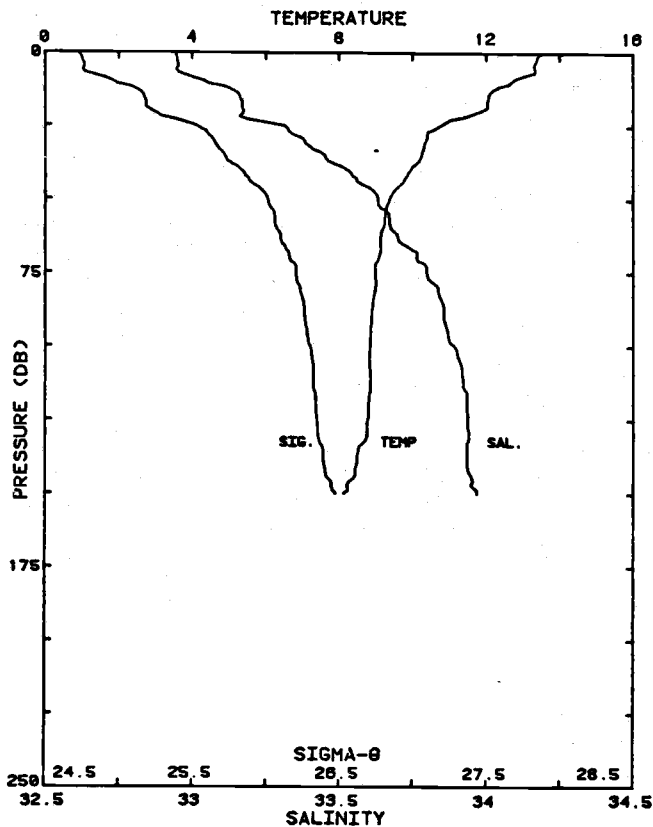
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	12.097	33.138	12.097	25.146	282.8	0.003
10	11.369	33.131	11.368	25.276	270.7	0.028
20	10.249	33.274	10.247	25.584	241.6	0.054
30	9.696	33.351	9.693	25.737	227.2	0.077
40	9.235	33.406	9.230	25.855	216.1	0.100
50	8.919	33.489	8.914	25.970	205.4	0.121
60	9.134	33.587	9.127	26.012	201.6	0.141
70	9.093	33.649	9.085	26.068	196.6	0.161
80	8.939	33.702	8.931	26.133	190.5	0.180
90	8.739	33.718	8.729	26.178	186.4	0.199
100	8.626	33.789	8.615	26.251	179.7	0.217
110	8.455	33.835	8.444	26.313	173.9	0.235
120	8.566	33.910	8.554	26.355	170.2	0.252
130	8.544	33.927	8.530	26.372	168.8	0.269
140	8.509	33.939	8.494	26.387	167.6	0.286
150	8.145	33.951	8.130	26.452	161.5	0.303
175	7.808	33.965	7.791	26.512	156.1	0.342
200	7.442	33.988	7.423	26.584	149.6	0.381
225	7.193	34.021	7.172	26.645	144.1	0.417
250	6.798	34.006	6.775	26.688	140.2	0.453
300	6.471	34.039	6.445	26.757	134.2	0.521
400	5.715	34.093	5.682	26.897	121.7	0.649
500	5.384	34.188	5.342	27.014	111.7	0.765
600	4.950	34.263	4.902	27.124	102.0	0.871
800	4.405	34.386	4.343	27.283	88.3	1.061
1000	3.821	34.462	3.747	27.406	77.4	1.227
1006	3.804	34.463	3.730	27.409	77.2	1.231

STA NO 116 HUN1 LAT: 39 7.1 N LONG:123 57.0 W
 24 MAY 1981 2241 GMT PROBE 2567 DEPTH 180M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	12.964	33.044	12.964	24.906	305.7	0.003
10	12.350	33.251	12.348	25.186	279.2	0.029
20	11.504	33.344	11.502	25.416	257.6	0.056
30	9.826	33.571	9.822	25.887	212.9	0.079
40	9.280	33.664	9.276	26.049	197.8	0.100
50	9.091	33.713	9.085	26.122	191.1	0.119
60	9.071	33.747	9.064	26.148	188.7	0.138
70	8.949	33.788	8.942	26.199	184.1	0.157
80	8.802	33.862	8.794	26.281	176.5	0.175
90	8.804	33.895	8.795	26.306	174.4	0.192
100	8.827	33.940	8.816	26.337	171.6	0.210
110	8.740	33.965	8.729	26.371	168.5	0.227
120	8.318	33.978	8.306	26.447	161.4	0.243
130	8.337	34.005	8.324	26.465	159.9	0.259
140	8.296	34.019	8.281	26.482	158.5	0.275
150	8.153	34.028	8.138	26.511	155.9	0.291
170	7.937	34.051	7.920	26.561	151.4	0.322



STATION 116 HUN 1



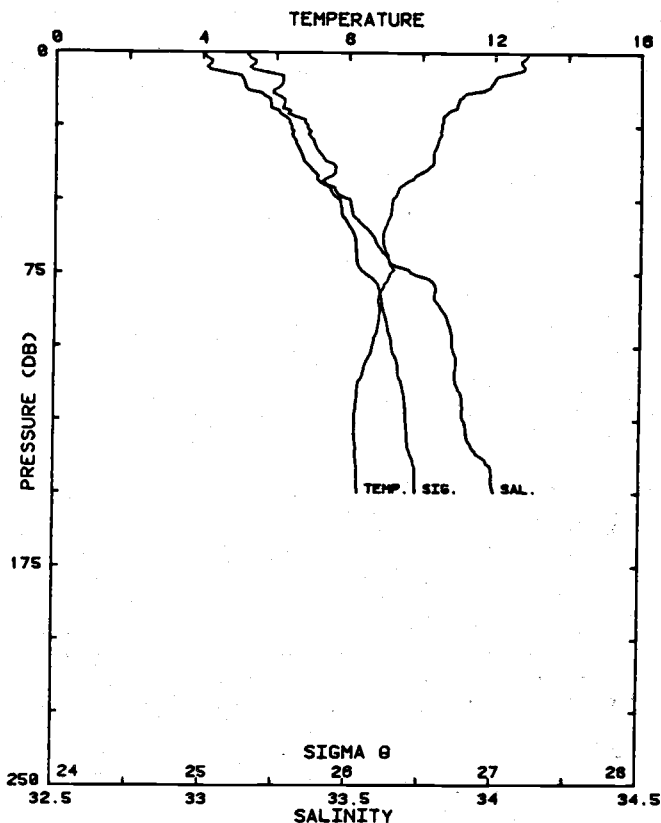
STATION 117 HUN2

STA NO 117 HUN2 LAT: 39 2.0 N LONG:123 56.4 W
25 MAY 1981 0003 GMT PROBE 2567 DEPTH 157M

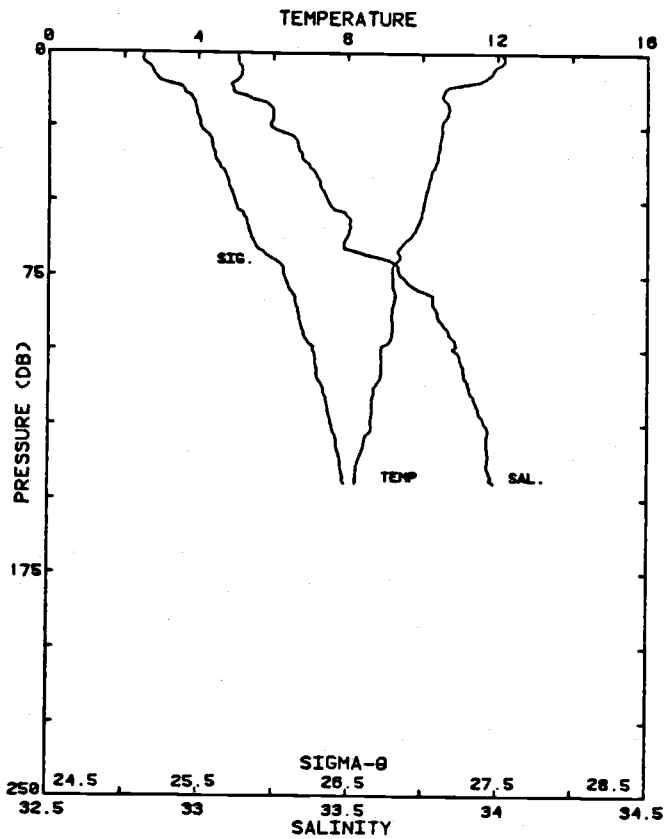
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
0	13.456	32.941	13.456	24.729	322.5	0.000
10	12.684	33.042	12.682	24.960	300.8	0.032
20	11.843	33.175	11.840	25.223	276.0	0.060
30	10.366	33.380	10.363	25.646	235.9	0.085
40	9.948	33.524	9.944	25.830	218.6	0.108
50	9.366	33.631	9.361	26.010	201.7	0.129
60	9.182	33.676	9.175	26.075	195.7	0.149
70	9.070	33.762	9.063	26.159	187.9	0.168
80	8.981	33.835	8.972	26.231	181.3	0.187
90	8.881	33.856	8.872	26.263	178.4	0.204
100	8.825	33.891	8.814	26.300	175.1	0.222
110	8.837	33.918	8.826	26.319	173.4	0.240
120	8.796	33.934	8.783	26.338	171.9	0.257
130	8.737	33.939	8.723	26.352	170.7	0.274
140	8.460	33.933	8.446	26.390	167.3	0.291
150	8.112	33.968	8.097	26.470	159.7	0.307

STA NO 118 HUN3 LAT: 38 58.0 N LONG:123 56.2 W
25 MAY 1981 0055 GMT PROBE 2567 DEPTH 155M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
0	12.858	33.151	12.858	25.010	295.8	0.000
10	11.955	33.273	11.954	25.278	270.5	0.029
20	10.727	33.298	10.727	25.520	247.7	0.055
30	10.426	33.378	10.423	25.634	237.0	0.079
40	10.113	33.453	10.109	25.747	226.5	0.102
50	9.188	33.503	9.183	25.938	208.5	0.124
60	8.983	33.561	8.977	26.016	201.2	0.144
70	8.091	33.632	8.084	26.055	197.8	0.164
80	8.955	33.798	8.947	26.206	183.6	0.184
90	8.836	33.836	8.826	26.255	179.2	0.202
100	8.658	33.856	8.648	26.298	175.2	0.219
110	8.386	33.866	8.375	26.348	170.6	0.237
120	8.225	33.894	8.213	26.395	166.3	0.253
130	8.194	33.909	8.181	26.411	165.0	0.270
140	8.256	33.979	8.241	26.456	160.9	0.286
150	8.286	34.004	8.270	26.472	159.6	0.302



STATION 118 HUN3



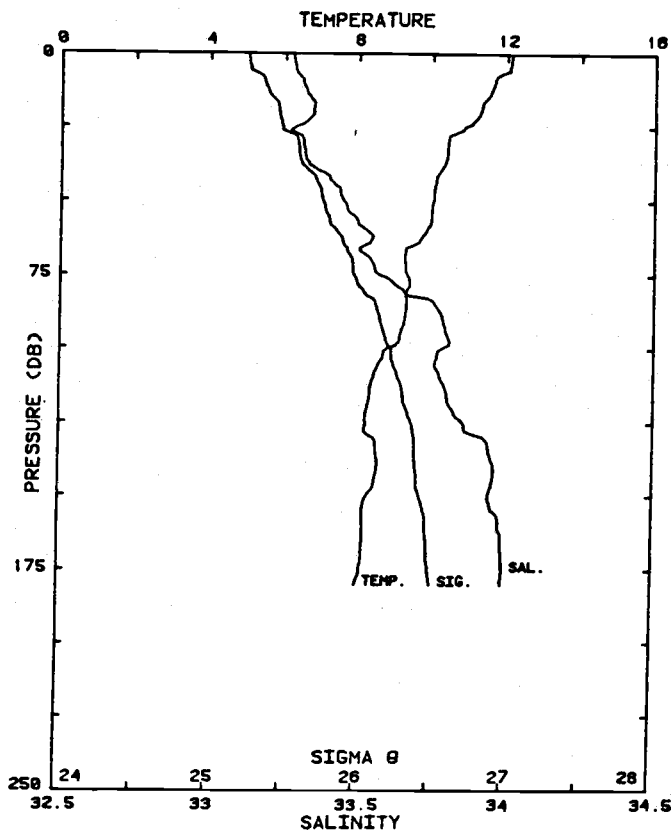
STATION 119 HUN4

STA NO 119 HUN4 LAT: 38 53.9 N LONG:123 55.0 W
 25 MAY 1981 0144 GMT PROBE 2567 DEPTH 153M

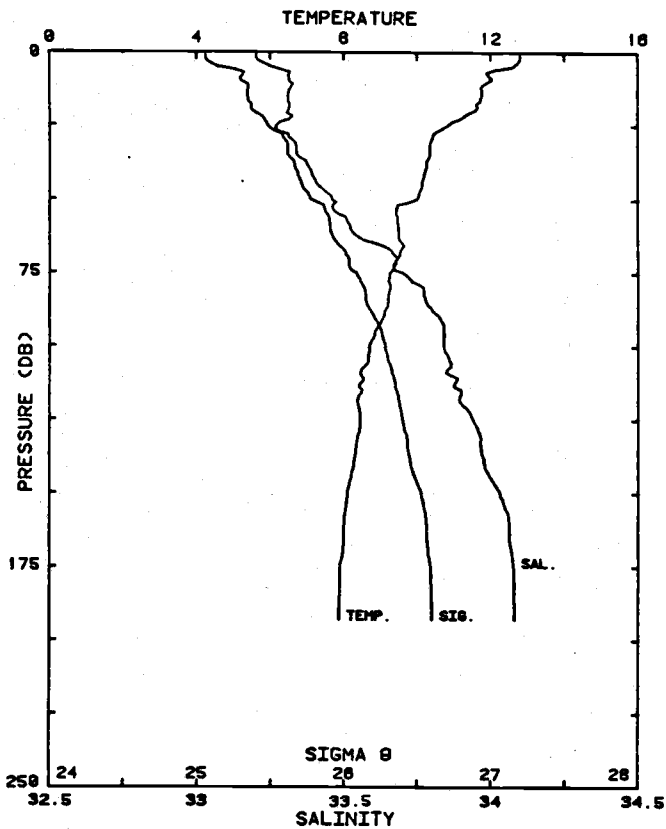
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.152	33.133	12.151	25.132	284.1	0.003
10	11.516	33.123	11.514	25.243	273.8	0.028
20	10.690	33.247	10.688	25.487	250.8	0.054
30	10.469	33.330	10.465	25.590	241.2	0.078
40	10.262	33.385	10.257	25.669	233.9	0.102
50	10.057	33.432	10.052	25.740	227.4	0.125
60	9.814	33.504	9.807	25.837	218.3	0.148
70	9.344	33.639	9.337	26.019	201.2	0.169
80	9.239	33.736	9.230	26.112	192.6	0.188
90	9.188	33.805	9.178	26.175	186.8	0.207
100	8.880	33.849	8.869	26.259	179.0	0.226
110	8.848	33.889	8.837	26.295	175.8	0.243
120	8.638	33.935	8.626	26.364	169.4	0.261
130	8.436	33.963	8.422	26.417	164.5	0.277
140	8.209	33.964	8.195	26.452	161.3	0.294
145	8.180	33.986	8.166	26.474	159.3	0.302

STA NO 120 HUN5 LAT: 38 49.2 N LONG:123 52.0 W
 25 MAY 1981 0243 GMT PROBE 2567 DEPTH 181M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	12.107	33.275	12.107	25.250	272.9	0.000
10	11.652	33.309	11.651	25.362	262.5	0.027
20	11.271	33.346	11.269	25.460	253.4	0.053
30	10.402	33.312	10.398	25.587	241.5	0.078
40	10.206	33.366	10.202	25.663	234.5	0.102
50	10.020	33.450	10.014	25.760	225.5	0.124
60	9.843	33.528	9.836	25.851	217.0	0.147
70	9.262	33.543	9.254	25.958	207.0	0.168
80	9.327	33.653	9.318	26.033	200.1	0.188
90	9.270	33.786	9.260	26.147	189.5	0.208
100	8.800	33.788	8.790	26.223	182.4	0.226
110	8.415	33.780	8.404	26.276	177.4	0.244
120	8.261	33.817	8.248	26.329	172.6	0.262
130	8.445	33.927	8.431	26.387	167.3	0.279
140	8.553	33.963	8.539	26.399	166.5	0.295
150	8.277	33.946	8.261	26.428	163.8	0.312
175	8.111	33.996	8.093	26.492	158.1	0.352
180	7.996	33.994	7.978	26.508	156.7	0.360



STATION 120 HUN5

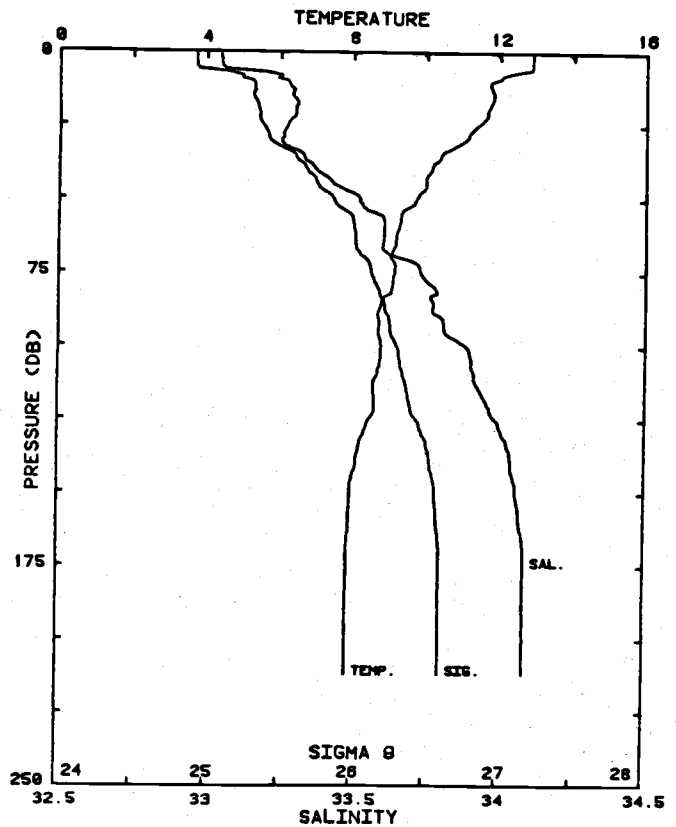


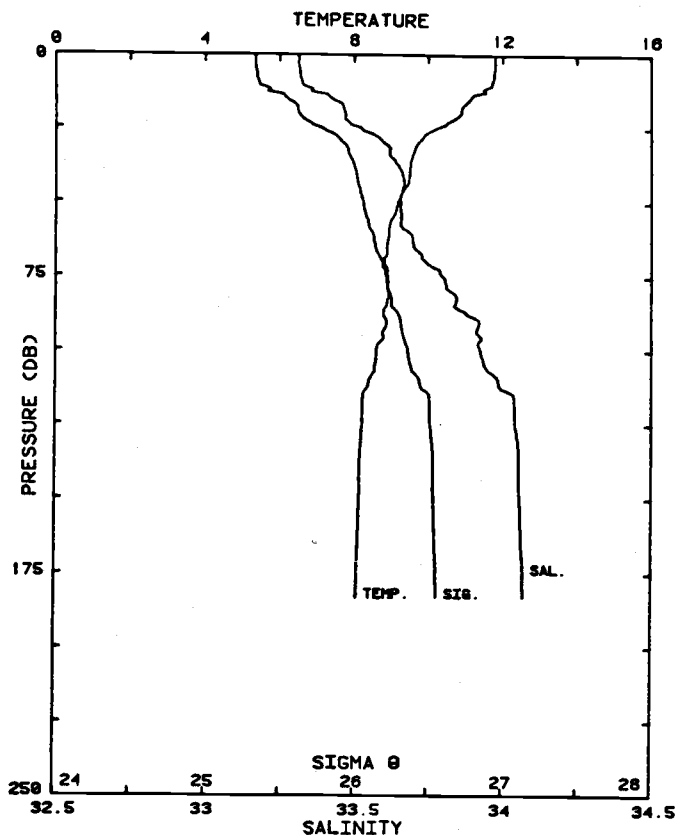
STA NO 121 HUN6 LAT: 38 44.6 N LONG:123 47.9 W
25 MAY 1981 0335 GHT PROBE 2567 DEPTH 197M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.803	33.203	12.803	25.060	291.0	0.003
10	11.962	33.314	11.961	25.308	267.6	0.028
20	11.582	33.310	11.580	25.376	261.4	0.054
30	10.383	33.326	10.379	25.602	240.1	0.079
40	10.227	33.386	10.223	25.675	233.4	0.103
50	10.001	33.459	9.995	25.771	224.5	0.126
60	9.493	33.522	9.487	25.904	212.0	0.147
70	9.477	33.682	9.469	26.032	200.1	0.168
80	9.258	33.770	9.249	26.136	190.3	0.188
90	9.082	33.824	9.072	26.206	183.8	0.207
100	8.687	33.839	8.677	26.280	176.9	0.225
110	8.457	33.864	8.447	26.335	171.9	0.242
120	8.379	33.903	8.366	26.379	167.9	0.259
130	8.375	33.962	8.362	26.425	163.7	0.276
140	8.254	33.977	8.240	26.456	161.0	0.292
150	8.080	34.029	8.065	26.523	154.7	0.308
175	7.886	34.075	7.869	26.587	149.0	0.345
193	7.854	34.080	7.835	26.596	148.5	0.372

STA NO 122 HUN7 LAT: 38 40.8 N LONG:123 43.7 W
25 MAY 1981 0420 GHT PROBE 2567 DEPTH 217M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.873	33.048	12.873	24.927	303.6	0.003
10	11.749	33.276	11.748	25.318	266.7	0.029
20	11.641	33.302	11.639	25.358	263.1	0.056
30	11.043	33.254	11.039	25.430	256.5	0.082
40	10.119	33.373	10.115	25.684	232.5	0.106
50	9.726	33.523	9.720	25.866	215.4	0.129
60	9.248	33.606	9.241	26.010	201.9	0.149
70	9.028	33.657	9.021	26.084	195.0	0.169
80	9.080	33.778	9.072	26.170	187.0	0.188
90	8.700	33.800	8.691	26.248	179.8	0.207
100	8.780	33.887	8.769	26.303	174.8	0.225
110	8.668	33.917	8.657	26.345	171.0	0.242
120	8.588	33.960	8.576	26.391	166.8	0.259
130	8.284	34.011	8.271	26.478	158.7	0.275
140	8.096	34.042	8.082	26.530	153.9	0.291
150	7.949	34.059	7.934	26.566	150.6	0.306
175	7.875	34.087	7.857	26.599	147.9	0.343
200	7.862	34.089	7.842	26.602	148.1	0.380
212	7.859	34.089	7.838	26.603	148.2	0.398





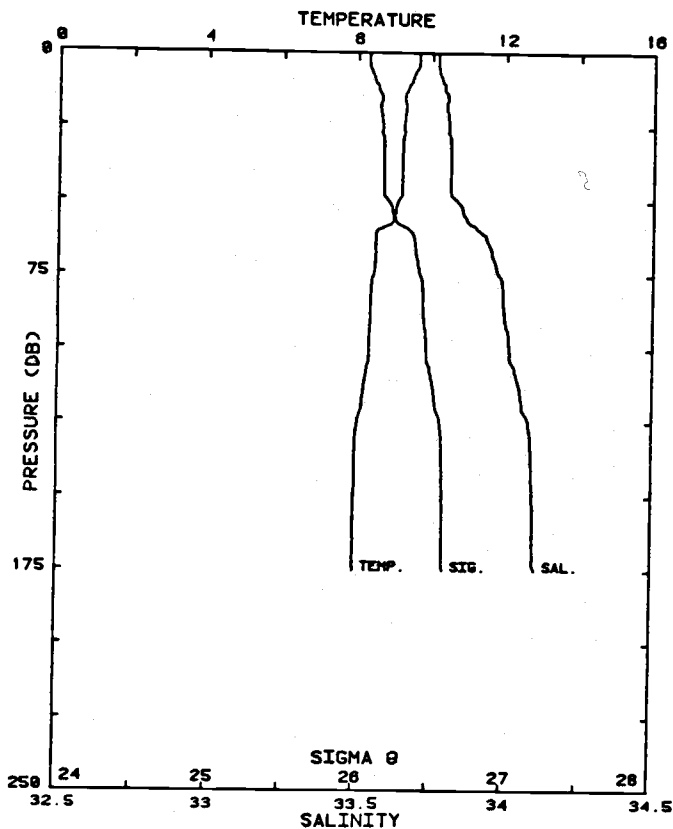
STATION 123 HUN8

STA NO 123 HUN8 LAT: 38 36.5 N LONG:123 40.3 W
 25 MAY 1981 0528 GMT PROBE 2567 DEPTH 190M

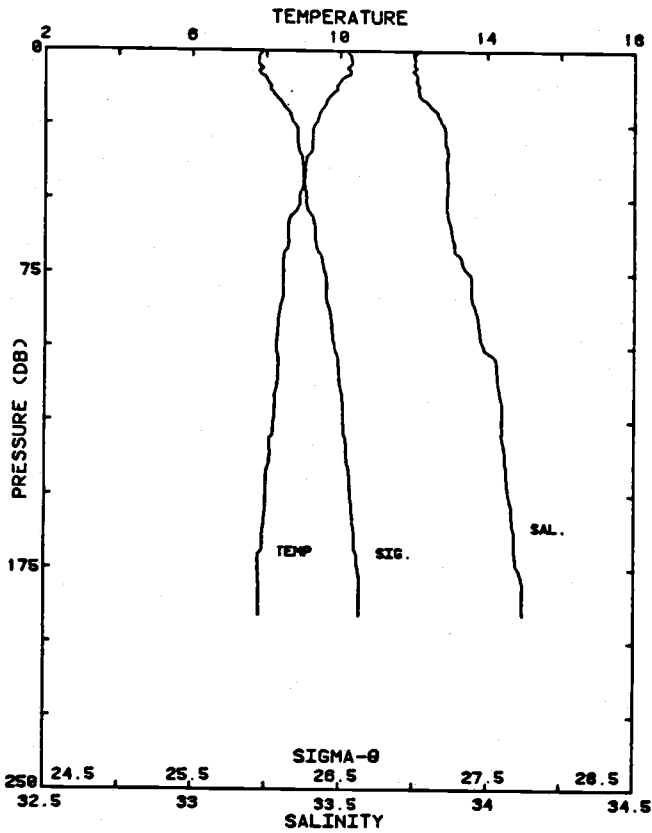
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	11.791	33.311	11.791	25.337	264.6	0.000
10	11.709	33.325	11.708	25.363	262.4	0.026
20	10.881	33.468	10.878	25.625	237.7	0.051
30	9.734	33.599	9.731	25.924	209.5	0.074
40	9.492	33.661	9.488	26.012	201.3	0.094
50	9.178	33.656	9.172	26.060	196.9	0.114
60	8.929	33.682	8.922	26.119	191.5	0.133
70	8.796	33.739	8.788	26.185	185.4	0.152
80	8.911	33.823	8.903	26.233	181.1	0.171
90	8.886	33.921	8.877	26.313	173.6	0.188
100	8.593	33.923	8.583	26.360	169.3	0.206
110	8.397	33.984	8.385	26.438	162.1	0.222
120	8.218	34.041	8.206	26.511	155.4	0.238
130	8.182	34.050	8.169	26.523	154.4	0.254
140	8.136	34.054	8.122	26.534	153.5	0.269
150	8.135	34.057	8.120	26.536	153.5	0.284
175	8.080	34.069	8.062	26.554	152.2	0.323
183	8.067	34.070	8.048	26.557	152.1	0.335

STA NO 124 HUN9 LAT: 38 31.5 N LONG:123 36.6 W
 25 MAY 1981 0625 GMT PROBE 2567 DEPTH 179M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.629	33.770	9.629	26.074	194.6	0.000
10	9.444	33.784	9.443	26.116	190.8	0.019
20	9.278	33.801	9.276	26.156	187.2	0.038
30	9.210	33.813	9.207	26.177	185.4	0.057
40	9.203	33.814	9.198	26.179	185.4	0.075
50	9.103	33.836	9.097	26.212	182.5	0.094
60	8.559	33.906	8.553	26.352	169.3	0.112
70	8.498	33.962	8.491	26.406	164.4	0.128
80	8.387	33.993	8.379	26.447	160.7	0.144
90	8.375	34.000	8.366	26.454	160.2	0.161
100	8.339	34.016	8.329	26.472	158.6	0.176
110	8.239	34.041	8.228	26.507	155.5	0.192
120	8.146	34.059	8.134	26.536	153.0	0.208
130	8.001	34.089	7.988	26.581	148.8	0.223
140	7.987	34.094	7.973	26.587	148.5	0.237
150	7.978	34.097	7.964	26.591	148.2	0.252
175	7.973	34.108	7.956	26.600	147.8	0.289



STATION 124 JUN9



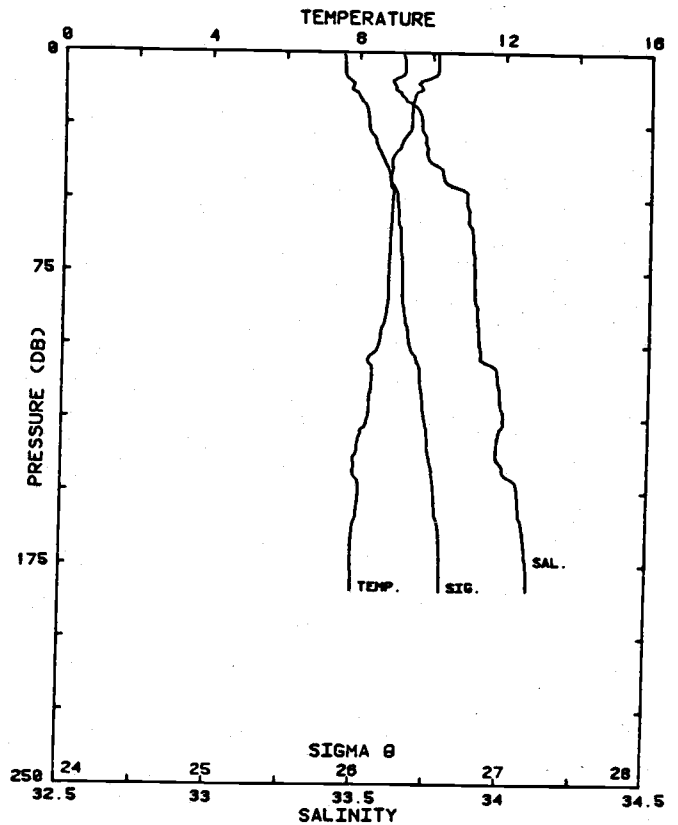
STATION 125 HUN10

STA NO 125 HUN10 LAT: 38 28.2 N LONG:123 33.9 W
 25 MAY 1981 0723 GMT PROBE 2567 DEPTH 199M

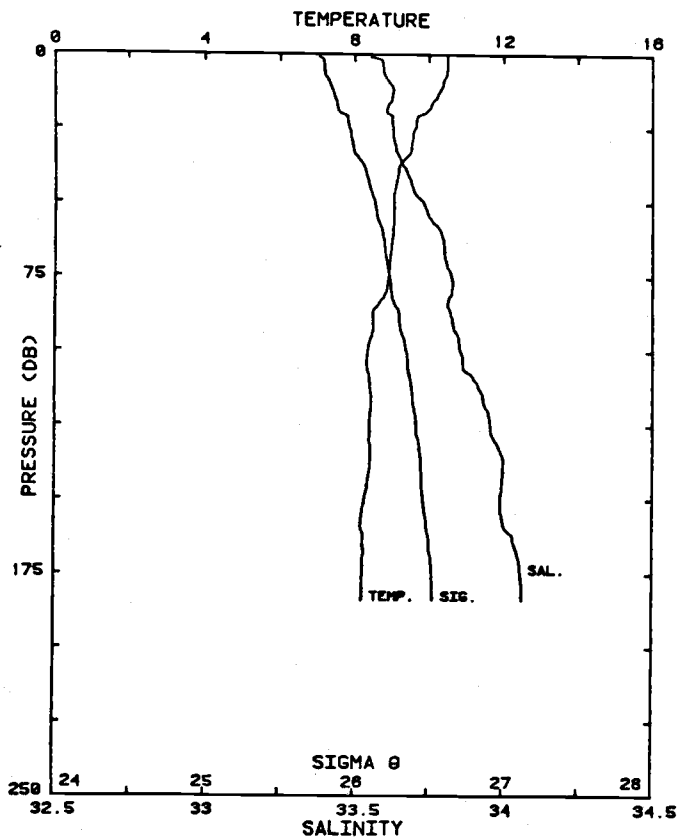
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
0	10.200	33.750	10.200	25.962	205.2	0.000
10	10.001	33.759	9.999	26.003	201.5	0.021
20	9.478	33.822	9.476	26.140	188.7	0.040
30	9.231	33.857	9.227	26.207	182.5	0.059
40	9.027	33.862	9.023	26.244	179.2	0.077
50	8.880	33.861	8.875	26.267	177.2	0.095
60	8.574	33.876	8.568	26.326	171.8	0.112
70	8.447	33.911	8.440	26.373	167.5	0.129
80	8.437	33.945	8.429	26.402	164.9	0.146
90	8.327	33.966	8.318	26.435	162.0	0.162
100	8.261	33.986	8.251	26.461	159.7	0.178
110	8.311	34.033	8.300	26.491	157.1	0.194
120	8.222	34.051	8.210	26.518	154.7	0.210
130	8.153	34.048	8.140	26.526	154.0	0.225
140	8.060	34.062	8.046	26.551	151.9	0.240
150	7.986	34.072	7.971	26.570	150.2	0.255
175	7.793	34.105	7.776	26.625	145.4	0.292
191	7.817	34.123	7.798	26.635	144.7	0.315

STA NO 126 HUN11 LAT: 38 23.8 N LONG:123 30.9 W
 25 MAY 1981 0854 GMT PROBE 2567 DEPTH 188M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	10.141	33.648	10.141	25.893	211.8	0.002
10	9.685	33.611	9.684	25.941	207.4	0.021
20	9.431	33.702	9.429	26.054	196.8	0.041
30	9.199	33.729	9.196	26.113	191.5	0.061
40	8.920	33.784	8.916	26.200	183.4	0.080
50	8.927	33.870	8.922	26.266	177.3	0.098
60	8.888	33.888	8.882	26.286	175.6	0.115
70	8.851	33.898	8.843	26.300	174.4	0.133
80	8.838	33.900	8.830	26.305	174.2	0.150
90	8.782	33.911	8.772	26.322	172.8	0.168
100	8.597	33.919	8.586	26.357	169.6	0.185
110	8.425	33.982	8.414	26.433	162.6	0.201
120	8.349	33.993	8.337	26.454	160.8	0.218
130	8.144	33.988	8.131	26.480	158.4	0.233
140	7.958	33.989	7.944	26.509	155.8	0.249
150	8.100	34.054	8.085	26.539	153.2	0.265
175	7.934	34.089	7.917	26.591	148.6	0.302
184	7.949	34.093	7.931	26.593	148.7	0.316



STATION 126 HUN11

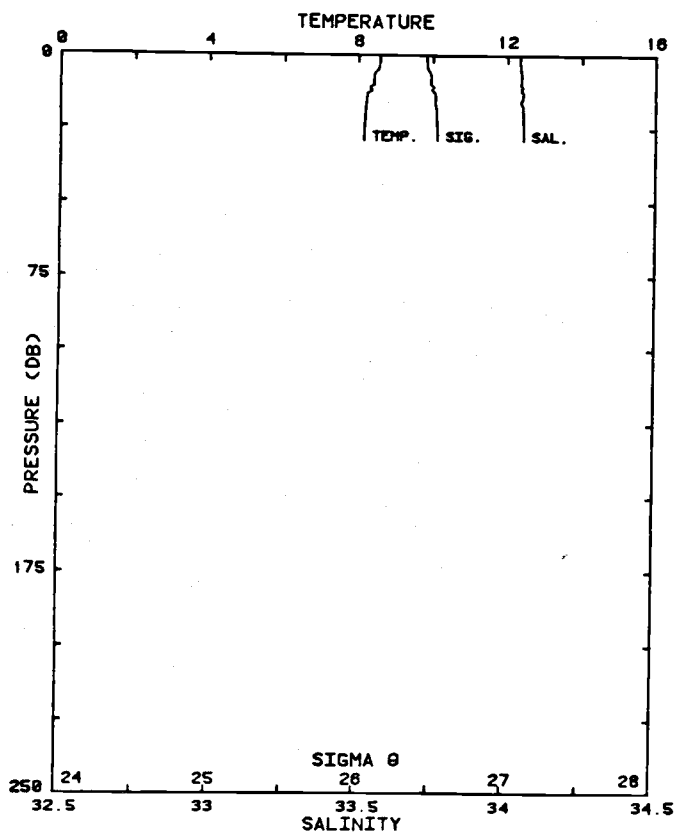


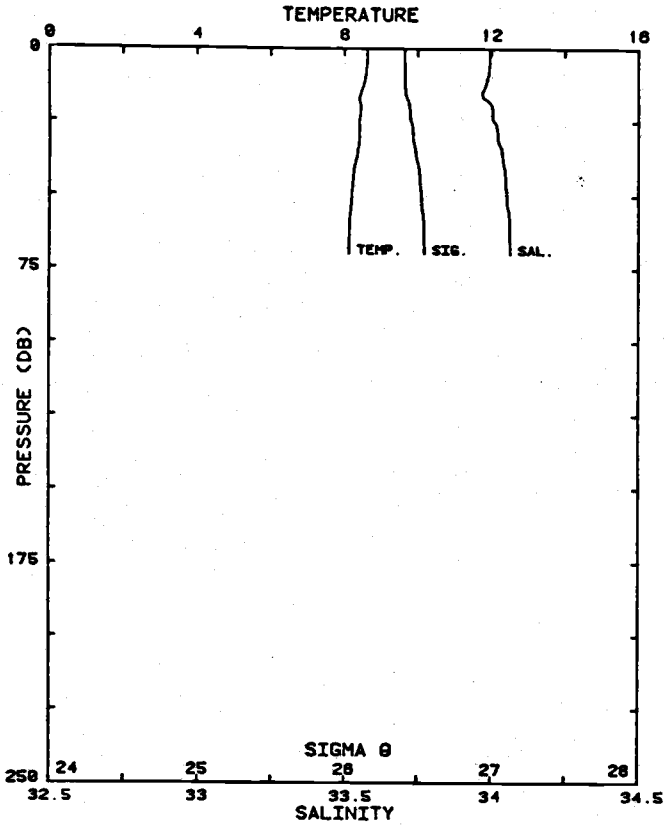
STA NO 127 HUN12 LAT: 38 18.0 N LONG:123 27.4 W
25 MAY 1981 1001 GHT PROBE 2567 DEPTH 188M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.487	33.554	10.487	25.761	224.4	0.002
10	10.359	33.617	10.357	25.832	217.8	0.022
20	9.891	33.609	9.889	25.905	211.0	0.044
30	9.545	33.635	9.541	25.983	203.8	0.064
40	9.174	33.675	9.169	26.075	195.3	0.084
50	9.059	33.731	9.054	26.136	189.6	0.103
60	9.033	33.789	9.027	26.186	185.1	0.122
70	8.945	33.806	8.937	26.214	182.7	0.141
80	8.842	33.826	8.833	26.246	179.8	0.159
90	8.494	33.828	8.485	26.301	174.7	0.176
100	8.343	33.854	8.333	26.345	170.7	0.194
110	8.394	33.902	8.383	26.375	168.0	0.211
120	8.429	33.945	8.416	26.404	165.5	0.227
130	8.383	33.949	8.370	26.429	163.3	0.244
140	8.405	33.998	8.391	26.449	161.6	0.260
150	8.263	33.987	8.248	26.463	160.4	0.276
175	8.224	34.058	8.206	26.524	155.2	0.315
184	8.206	34.063	8.188	26.531	154.7	0.329

STA NO 128 COC1 LAT: 38 39.8 N LONG:123 25.5 W
25 MAY 1981 1302 GHT PROBE 2567 DEPTH 34M
1.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	8.577	34.042	8.577	26.455	158.4	0.000
10	8.428	34.044	8.427	26.479	156.3	0.016
20	8.181	34.053	8.179	26.524	152.2	0.071
29	8.149	34.054	8.146	26.530	151.3	0.045





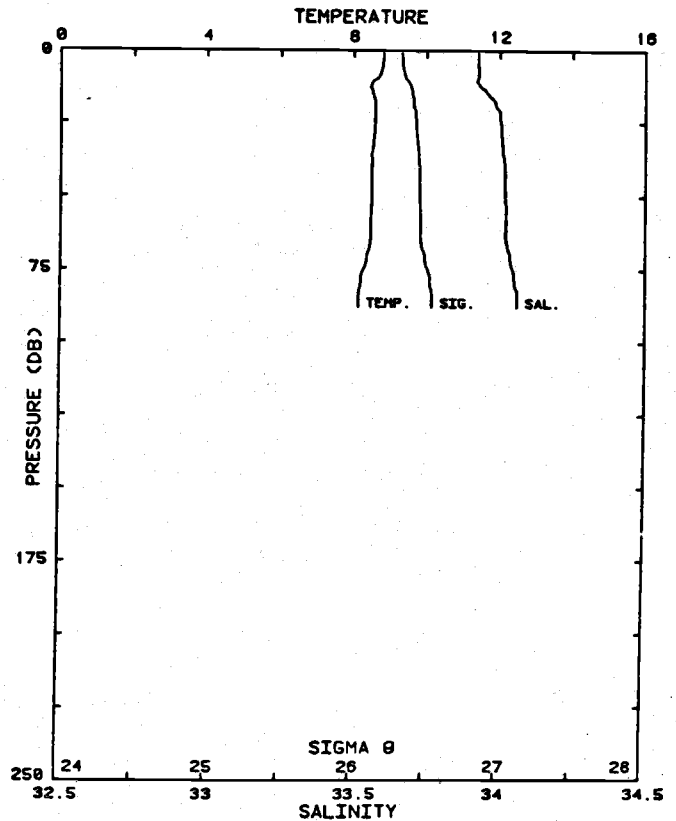
STATION 129 COC2

STA NO 129 COC2 LAT: 38 38.8 N LONG:123 26.9 W
 25 MAY 1981 1338 GMT PROBE 2567 DEPTH 74M
 3.5 KM FROM SHORE

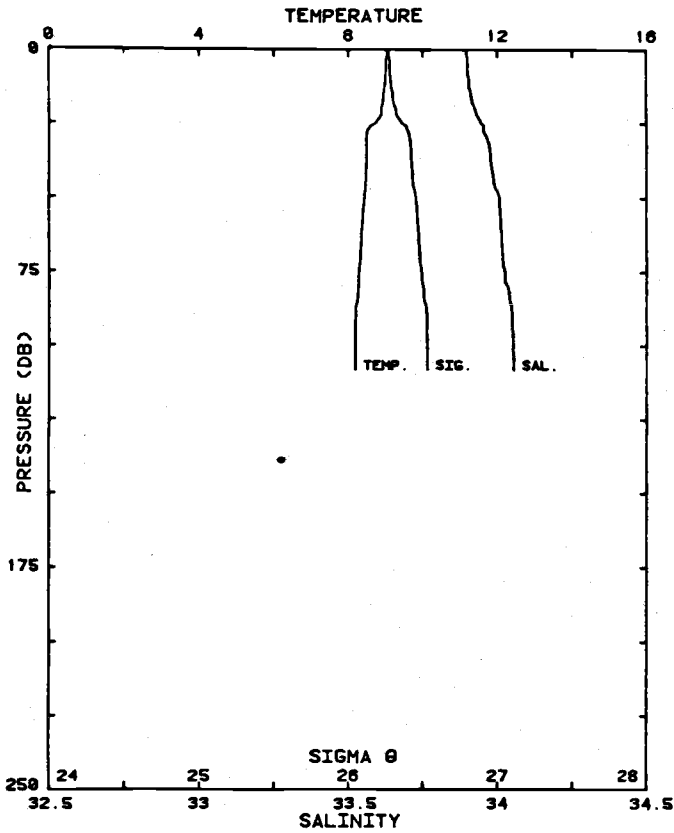
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
0	8.632	33.994	8.632	26.409	162.8	0.000
10	8.564	33.987	8.563	26.414	162.5	0.016
20	8.446	34.003	8.444	26.445	159.7	0.032
30	8.399	34.020	8.396	26.465	157.9	0.048
40	8.271	34.042	8.267	26.503	154.6	0.064
50	8.184	34.052	8.179	26.524	152.8	0.079
60	8.129	34.061	8.123	26.539	151.5	0.095
70	8.117	34.062	8.110	26.542	151.5	0.110

STA NO 130 COC3 LAT: 38 37.5 N LONG:123 28.9 W
 25 MAY 1981 1420 GMT PROBE 2567 DEPTH 93M
 7.2 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	8.805	33.926	8.805	26.329	170.4	0.002
10	8.629	33.925	8.628	26.355	148.0	0.017
20	8.585	33.988	8.583	26.412	162.9	0.033
30	8.541	34.007	8.538	26.433	161.0	0.050
40	8.489	34.019	8.485	26.451	159.6	0.066
50	8.475	34.018	8.470	26.452	159.6	0.082
60	8.456	34.022	8.450	26.458	159.2	0.097
70	8.358	34.034	8.351	26.483	157.1	0.113
80	8.186	34.050	8.178	26.522	153.5	0.129
88	8.136	34.060	8.128	26.537	152.2	0.141



STATION 130 COC3



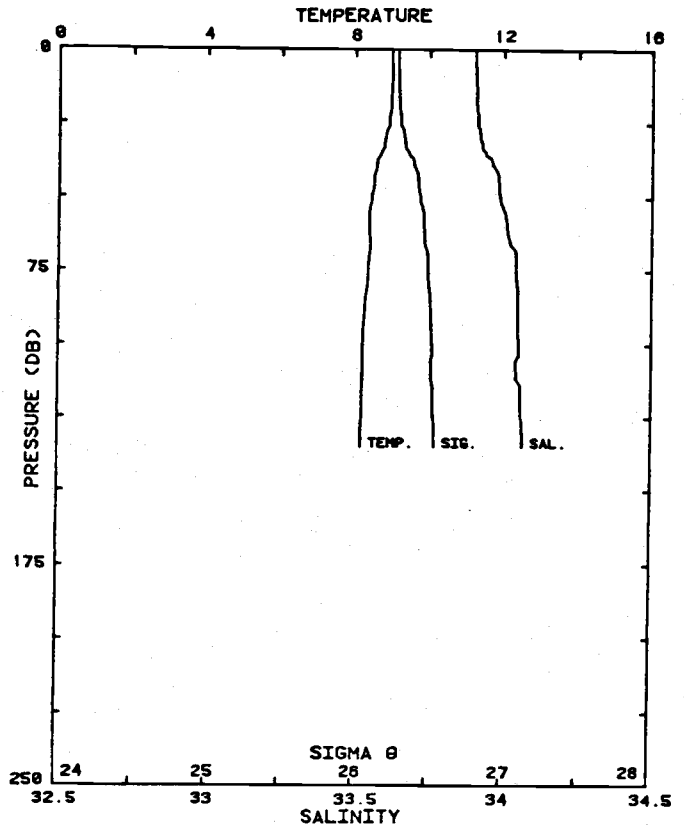
STATION 131 COC4

STA NO 131 COC4 LAT: 38 36.2 N LONG:123 30.8 W
 25 MAY 1981 1455 GMT PROBE 2567 DEPTH 111M
 11.3 KM FROM SHORE

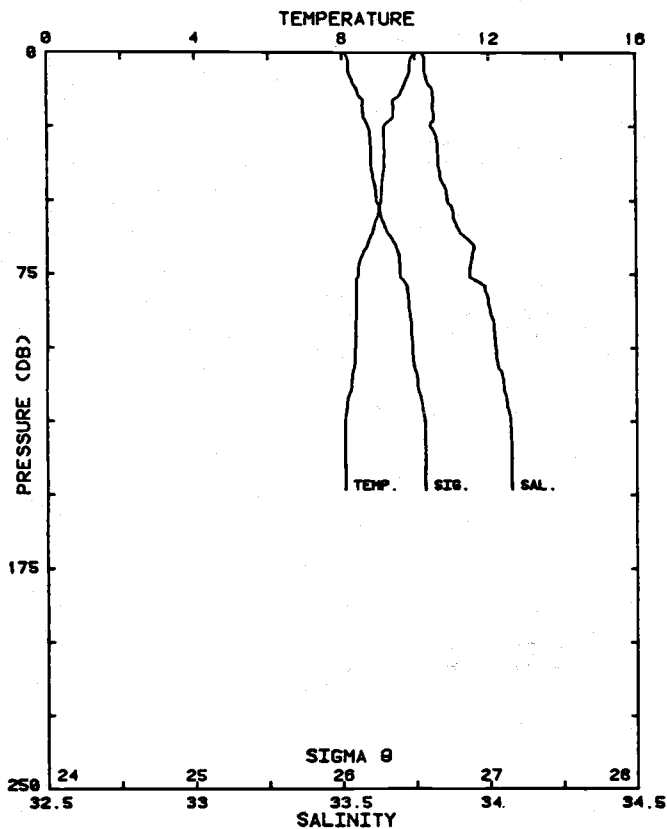
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
0	9.029	33.896	9.029	26.269	176.0	0.000
10	8.983	33.904	8.982	26.284	174.9	0.018
20	8.874	33.925	8.872	26.318	171.8	0.035
30	8.468	33.964	8.465	26.411	163.2	0.052
40	8.465	33.981	8.461	26.425	162.0	0.068
50	8.413	34.005	8.408	26.452	159.7	0.084
60	8.349	34.010	8.343	26.466	158.5	0.100
70	8.301	34.016	8.294	26.473	157.6	0.116
80	8.249	34.032	8.241	26.498	155.8	0.131
90	8.170	34.048	8.161	26.523	153.6	0.147
100	8.162	34.052	8.152	26.527	153.4	0.162
108	8.162	34.053	8.151	26.528	153.4	0.174

STA NO 132 COC5 LAT: 38 34.6 N LONG:123 33.3 W
 25 MAY 1981 1531 GMT PROBE 2567 DEPTH 137M
 16.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
0	8.980	33.902	8.980	26.282	174.8	0.000
10	8.969	33.906	8.968	26.287	174.6	0.017
20	8.945	33.909	8.943	26.293	174.1	0.035
30	8.794	33.921	8.791	26.327	171.1	0.052
40	8.561	33.967	8.557	26.399	164.4	0.069
50	8.431	33.987	8.426	26.435	161.3	0.085
60	8.370	34.010	8.364	26.462	158.8	0.101
70	8.371	34.041	8.364	26.487	156.7	0.117
80	8.330	34.045	8.322	26.497	154.0	0.133
90	8.247	34.049	8.238	26.512	154.7	0.148
100	8.207	34.051	8.197	26.520	154.1	0.164
110	8.199	34.043	8.188	26.515	154.8	0.179
120	8.191	34.058	8.179	26.528	153.7	0.194
130	8.166	34.064	8.152	26.537	153.0	0.210
135	8.160	34.066	8.146	26.539	152.9	0.217



STATION 132 COC5



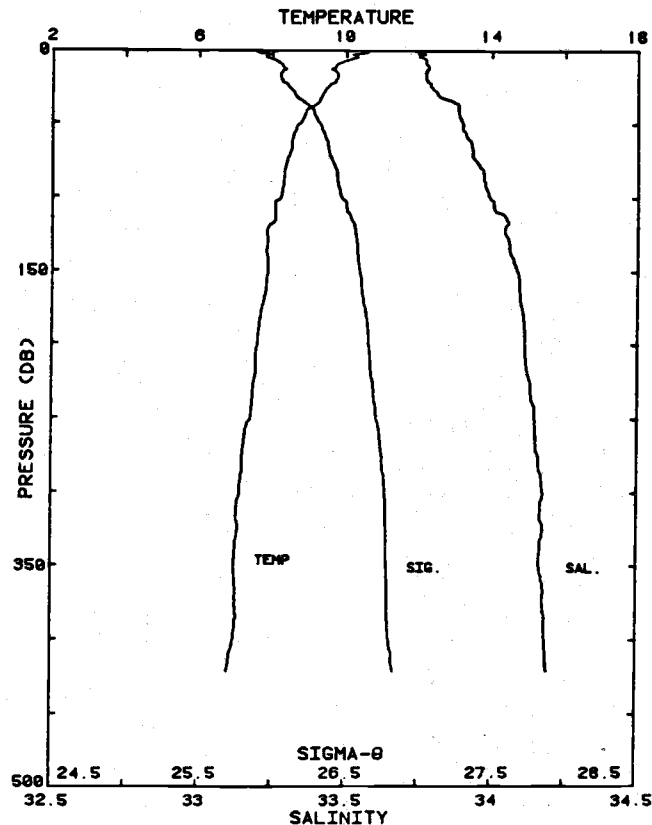
STATION 133 COC6

STA NO 133 COC6 LAT: 38 32.7 N LONG:123 36.2 W
 25 MAY 1981 1613 GMT PROBE 2567 DEPTH 148M
 21.5 KM FROM SHORE

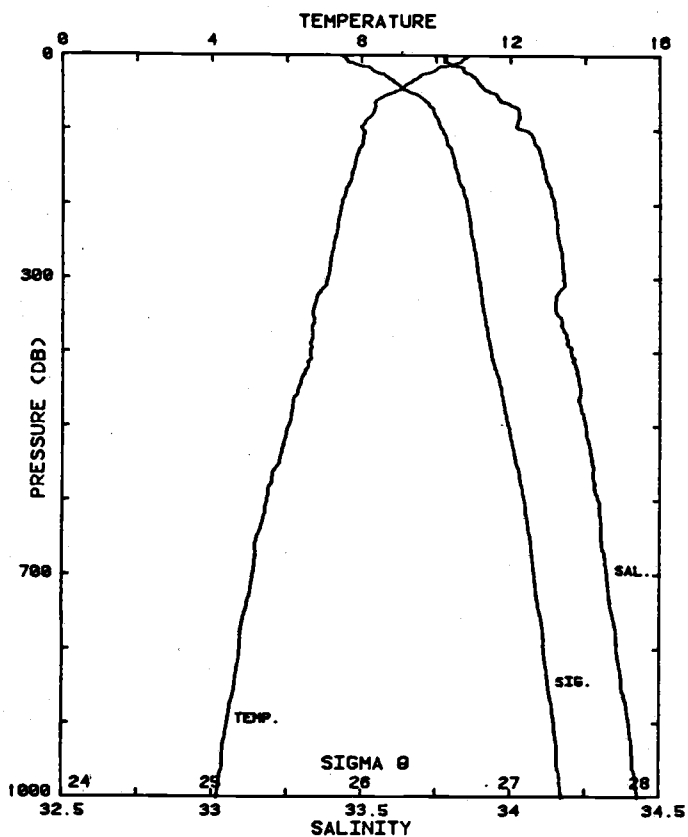
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	9.974	33.777	9.974	26.022	199.5	0.000
10	9.740	33.791	9.739	26.072	194.9	0.020
20	9.414	33.811	9.412	26.141	188.6	0.039
30	9.152	33.822	9.149	26.193	183.9	0.057
40	9.133	33.831	9.128	26.203	183.1	0.076
50	9.066	33.858	9.060	26.235	180.3	0.094
60	8.843	33.897	8.837	26.301	174.2	0.112
70	8.489	33.939	8.482	26.389	166.0	0.129
80	8.373	33.984	8.364	26.442	161.1	0.145
90	8.361	34.007	8.352	26.464	159.3	0.161
100	8.335	34.020	8.325	26.476	158.3	0.177
110	8.247	34.044	8.236	26.509	155.4	0.193
120	8.112	34.060	8.100	26.542	152.4	0.208
130	8.053	34.072	8.040	26.560	150.8	0.223
140	8.057	34.073	8.043	26.561	151.0	0.238
148	8.058	34.075	8.043	26.562	151.0	0.250

STA NO 134 COC7 LAT: 38 30.3 N LONG:123 39.6 W
 25 MAY 1981 1659 GMT PROBE 2567 DEPTH 429M
 27.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.589	33.746	10.589	25.892	211.9	0.002
10	9.730	33.776	9.729	26.062	195.9	0.020
20	9.738	33.774	9.735	26.060	196.3	0.040
30	9.365	33.814	9.362	26.152	187.8	0.059
40	8.956	33.887	8.952	26.275	176.3	0.077
50	8.745	33.901	8.739	26.320	172.2	0.095
60	8.551	33.918	8.545	26.363	168.3	0.112
70	8.480	33.935	8.473	26.387	166.1	0.129
80	8.352	33.963	8.344	26.429	162.4	0.145
90	8.300	33.978	8.291	26.449	160.7	0.161
100	8.231	33.992	8.221	26.470	158.8	0.177
110	8.072	34.015	8.061	26.512	155.0	0.193
120	7.897	34.047	7.885	26.563	150.3	0.208
130	7.867	34.059	7.857	26.577	149.1	0.223
140	7.864	34.069	7.850	26.586	148.5	0.238
150	7.880	34.087	7.865	26.598	147.6	0.253
175	7.721	34.104	7.704	26.635	144.5	0.289
200	7.598	34.114	7.578	26.661	142.4	0.325
225	7.518	34.131	7.496	26.685	140.4	0.360
250	7.426	34.148	7.402	26.713	138.3	0.395
300	7.134	34.178	7.105	26.778	132.7	0.463
400	6.983	34.187	6.946	26.807	131.5	0.595
422	6.800	34.195	6.761	26.839	128.7	0.623



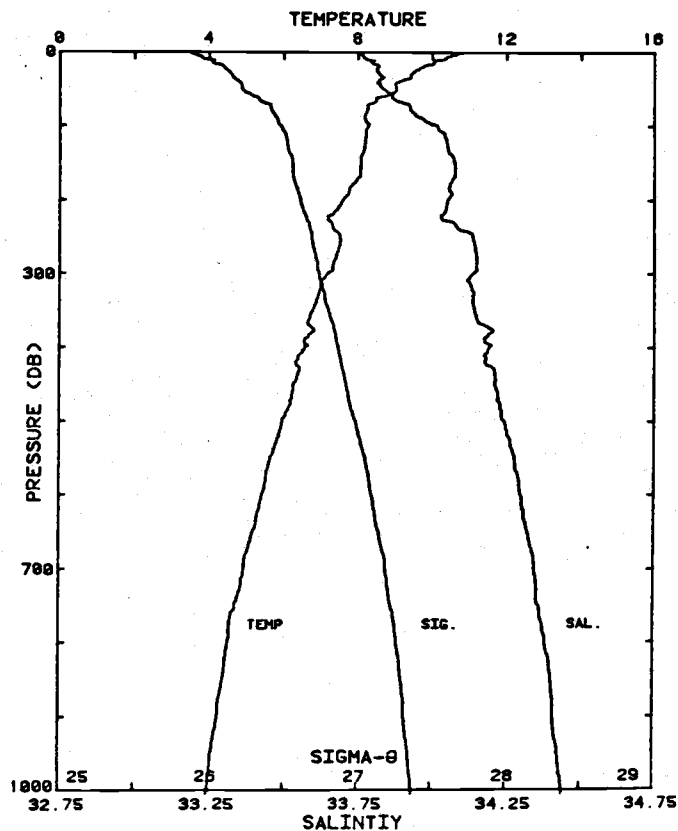
STATION 134 COC7



STATION 135 COC8

STA NO 135 COC8 LAT: 38 27.1 N LONG:123 44.5 W
 25 MAY 1981 1800 GMT PROBE 2567 DEPTH 1244M
 37.2 KM FROM SHORE LIN INT SAL. AT 529DB

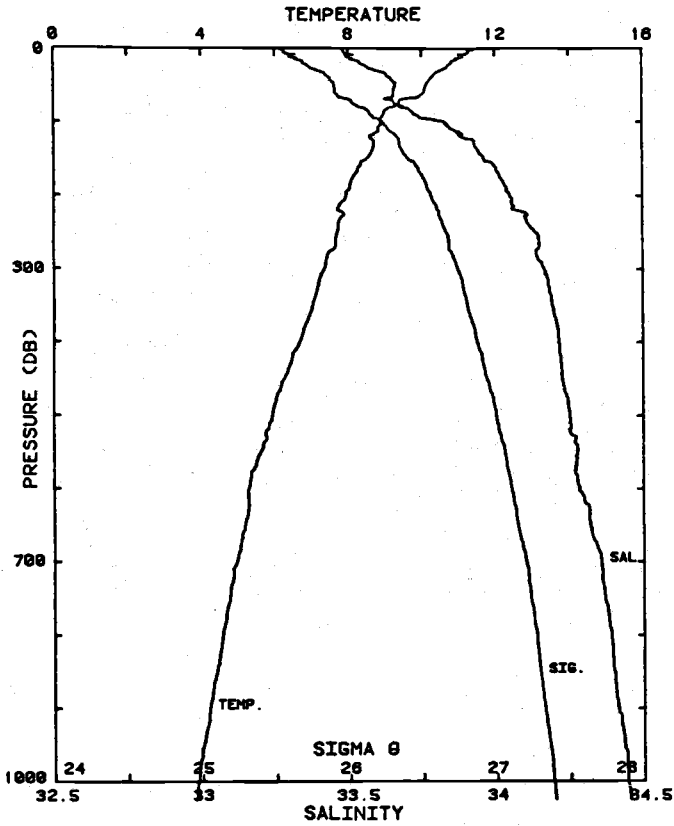
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
0	10.821	33.780	10.821	25.877	213.2	0.000
10	10.632	33.776	10.630	25.908	210.6	0.021
20	9.997	33.842	9.995	26.069	195.5	0.041
30	9.519	33.880	9.516	26.178	185.3	0.060
40	9.181	33.897	9.177	26.247	179.0	0.079
50	8.882	33.925	8.877	26.319	172.3	0.096
60	8.420	33.962	8.414	26.417	163.1	0.113
70	8.302	34.015	8.375	26.464	158.8	0.129
80	8.280	34.027	8.272	26.490	156.6	0.145
90	8.070	34.021	8.061	26.517	154.2	0.160
100	8.018	34.039	8.008	26.539	152.2	0.176
110	8.033	34.073	8.022	26.563	150.1	0.191
120	8.007	34.080	7.995	26.573	149.4	0.206
130	7.900	34.096	7.887	26.602	146.8	0.220
140	7.831	34.103	7.817	26.617	145.5	0.235
150	7.800	34.107	7.785	26.625	144.9	0.250
175	7.639	34.126	7.622	26.664	141.7	0.285
200	7.460	34.144	7.441	26.704	138.2	0.320
225	7.355	34.155	7.334	26.727	136.4	0.355
250	7.269	34.161	7.245	26.745	135.1	0.389
300	7.082	34.178	7.054	26.785	132.0	0.455
400	6.606	34.201	6.570	26.868	125.4	0.584
500	6.041	34.253	5.997	26.984	115.3	0.704
600	5.448	34.293	5.398	27.090	105.9	0.815
800	4.735	34.357	4.671	27.224	94.5	1.015
1000	4.144	34.428	4.067	27.346	83.9	1.193
1002	4.136	34.428	4.060	27.347	83.8	1.194



STATION 136 COC9

STA NO 136 COC9 LAT: 38 24.0 N LONG:123 49.2 W
 25 MAY 1981 1912 GMT PROBE 2567 DEPTH 1681M
 46.2 KM FROM SHORE INT S.60-62, 889-892DB

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP			THETA		
1	10.715	33.756	10.715	25.977	213.3	0.002
10	10.321	33.778	10.320	25.963	205.3	0.021
20	9.752	33.819	9.747	26.092	193.2	0.041
30	9.438	33.822	9.434	26.147	188.3	0.060
40	9.114	33.821	9.110	26.198	183.6	0.079
50	9.038	33.834	9.033	26.221	181.6	0.097
60	8.717	33.865	8.711	26.296	174.7	0.115
70	8.346	33.909	8.339	26.387	166.1	0.132
80	8.232	33.932	8.224	26.422	163.0	0.148
90	8.188	33.967	8.179	26.456	159.9	0.164
100	8.278	34.017	8.267	26.483	157.6	0.180
110	8.213	34.041	8.202	26.511	155.1	0.196
120	8.190	34.048	8.178	26.520	154.4	0.211
130	8.161	34.052	8.148	26.528	153.9	0.227
140	8.090	34.067	8.076	26.550	151.9	0.242
150	8.070	34.075	8.055	26.560	151.2	0.257
175	7.942	34.068	7.925	26.574	150.3	0.295
200	7.588	34.052	7.569	26.613	146.9	0.332
225	7.191	34.032	7.170	26.654	143.2	0.368
250	7.524	34.138	7.499	26.691	140.4	0.404
300	7.200	34.142	7.172	26.740	136.4	0.473
400	6.560	34.192	6.524	26.868	125.4	0.604
500	5.964	34.243	5.921	26.986	115.1	0.725
600	5.422	34.297	5.372	27.096	105.3	0.835
800	4.513	34.382	4.450	27.269	89.8	1.029
1000	3.975	34.440	3.900	27.373	80.9	1.199
1005	3.959	34.441	3.883	27.376	80.7	1.203



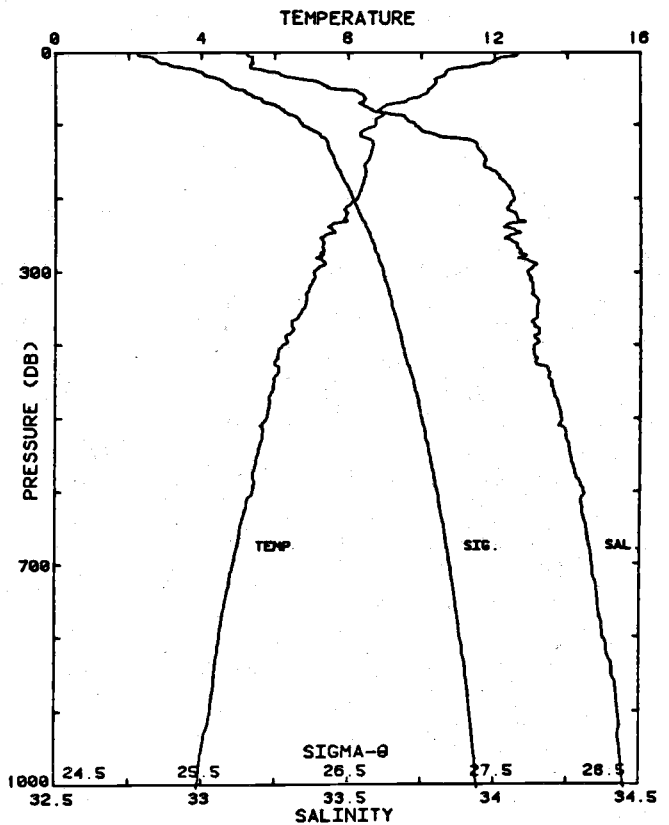
STATION 137 COC10

STA NO 137 COC10 LAT: 38 20.8 N LONG:123 54.5 W
 25 MAY 1981 2029 GMT PROBE 2567 DEPTH 2266M
 56.1 KM FROM SHORE

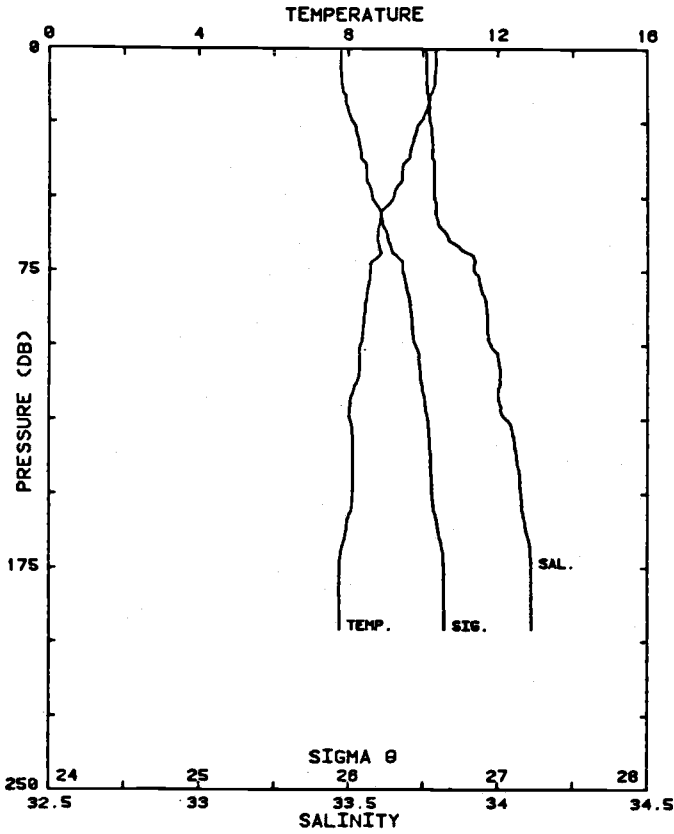
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.366	33.482	11.366	25.548	244.6	0.002
10	11.055	33.491	11.054	25.611	238.8	0.024
20	10.802	33.540	10.800	25.694	231.1	0.048
30	10.530	33.592	10.526	25.783	222.9	0.070
40	10.238	33.646	10.233	25.876	214.3	0.092
50	10.119	33.659	10.114	25.906	211.6	0.114
60	10.065	33.654	10.058	25.912	211.3	0.135
70	9.434	33.635	9.426	26.002	202.9	0.156
80	9.228	33.675	9.220	26.066	196.9	0.174
90	8.957	33.725	8.948	26.147	189.2	0.195
100	8.900	33.823	8.889	26.235	181.3	0.213
110	8.802	33.852	8.790	26.273	177.9	0.231
120	8.575	33.883	8.563	26.333	172.3	0.249
130	8.699	33.929	8.685	26.349	171.0	0.266
140	8.633	33.943	8.619	26.371	169.1	0.283
150	8.496	33.961	8.480	26.406	165.9	0.300
175	8.125	34.013	8.108	26.504	157.0	0.340
200	7.925	34.046	7.905	26.560	152.1	0.378
225	7.864	34.105	7.842	26.615	147.2	0.416
250	7.688	34.134	7.664	26.664	143.0	0.452
300	7.327	34.163	7.299	26.739	136.5	0.522
400	6.662	34.213	6.625	26.871	125.2	0.653
500	5.901	34.250	5.858	27.000	113.7	0.772
600	5.262	34.282	5.213	27.103	104.4	0.880
800	4.542	34.390	4.479	27.272	89.7	1.074
1000	3.885	34.445	3.810	27.386	79.5	1.243
1025	3.831	34.454	3.754	27.399	78.4	1.262

STA NO 138 COC11 LAT: 38 17.5 N LONG:123 59.5 W
 25 MAY 1981 2148 GMT PROBE 2567 DEPTH 3372M
 65.3 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	12.616	33.155	12.616	25.059	291.0	0.003
10	12.090	33.172	12.088	25.174	280.3	0.029
20	11.423	33.166	11.420	25.293	269.2	0.056
30	10.647	33.264	10.643	25.508	249.0	0.082
40	10.382	33.364	10.378	25.631	237.5	0.107
50	10.269	33.435	10.263	25.706	230.6	0.130
60	10.053	33.546	10.046	25.830	219.1	0.152
70	9.546	33.549	9.539	25.917	211.0	0.174
80	8.858	33.575	8.850	26.047	198.7	0.194
90	8.866	33.695	8.856	26.140	190.1	0.214
100	8.748	33.728	8.737	26.184	186.0	0.232
110	8.363	33.757	8.352	26.266	178.4	0.251
120	8.526	33.891	8.513	26.347	171.0	0.268
130	8.662	33.939	8.649	26.363	169.6	0.285
140	8.610	33.958	8.595	26.386	167.7	0.302
150	8.528	33.968	8.512	26.407	165.8	0.319
175	8.423	34.024	8.405	26.467	160.6	0.360
200	8.244	34.066	8.224	26.528	155.3	0.399
225	7.925	34.073	7.903	26.581	150.5	0.437
250	7.424	34.062	7.400	26.645	144.6	0.474
300	7.053	34.110	7.025	26.735	136.7	0.545
400	6.240	34.139	6.205	26.868	125.1	0.675
500	5.763	34.230	5.720	27.001	113.4	0.794
600	5.369	34.306	5.319	27.109	104.0	0.903
800	4.475	34.373	4.413	27.266	90.1	1.096
1000	3.876	34.448	3.802	27.389	79.2	1.264
1005	3.873	34.449	3.798	27.391	79.1	1.268



STATION 138 COC11



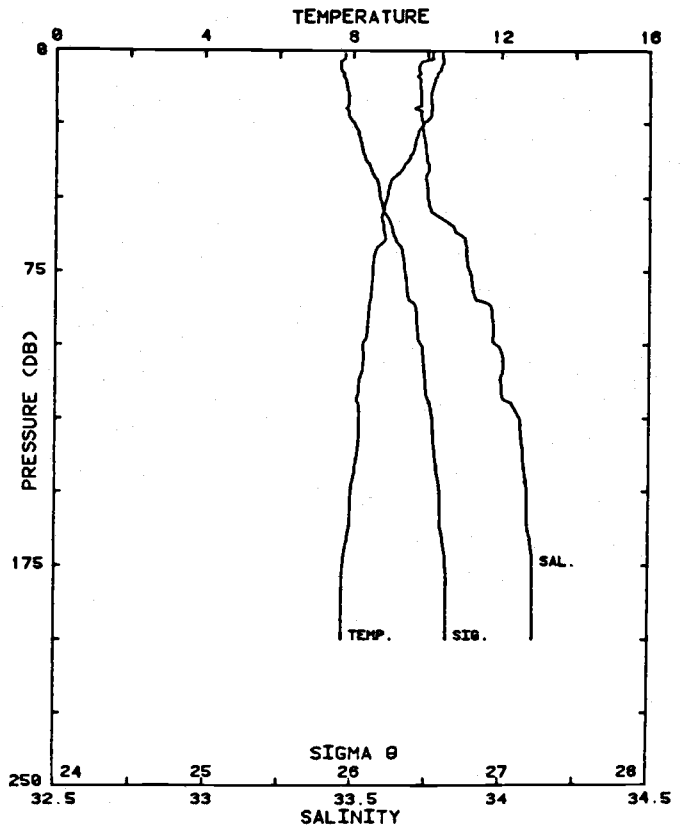
STATION 139 HN9

STA NO 139 HN9 LAT: 38 31.5 N LONG:123 38.0 W
26 MAY 1981 0100 GMT PROBE 2567 DEPTH 202M

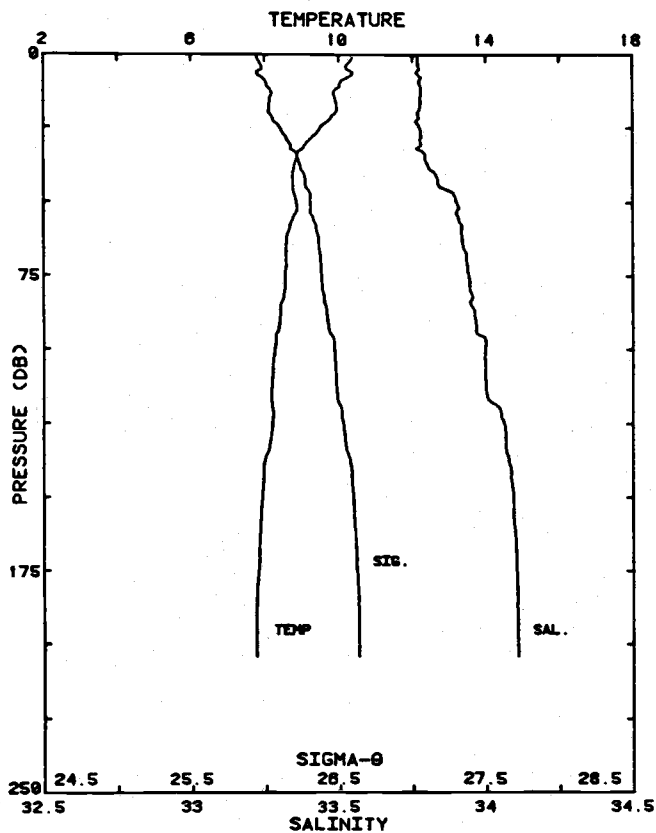
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.337	33.761	10.337	25.948	206.6	0.002
10	10.313	33.762	10.312	25.952	206.3	0.021
20	10.117	33.773	10.115	25.995	202.5	0.041
30	9.745	33.780	9.742	26.063	196.2	0.061
40	9.444	33.786	9.440	26.117	191.3	0.081
50	9.200	33.787	9.194	26.158	187.6	0.100
60	8.813	33.804	8.807	26.232	180.7	0.118
70	8.826	33.915	8.818	26.318	172.8	0.136
80	8.525	33.941	8.516	26.385	166.6	0.152
90	8.418	33.964	8.409	26.420	163.4	0.169
100	8.297	33.975	8.287	26.447	161.1	0.185
110	8.261	34.007	8.249	26.477	158.3	0.201
120	8.031	34.005	8.019	26.511	155.3	0.217
130	8.087	34.049	8.074	26.537	153.0	0.232
140	8.100	34.063	8.086	26.546	152.3	0.247
150	8.093	34.076	8.078	26.557	151.5	0.263
175	7.743	34.111	7.726	26.637	144.3	0.300
196	7.730	34.111	7.710	26.639	144.4	0.330

STA NO 140 HN9 LAT: 38 31.5 N LONG:123 38.0 W
26 MAY 1981 0200 GMT PROBE 2567 DEPTH 208M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.383	33.765	10.383	25.943	207.1	0.002
10	10.179	33.725	10.178	25.947	206.9	0.021
20	10.112	33.707	10.110	25.945	207.3	0.041
30	9.679	33.738	9.676	26.041	198.3	0.062
40	9.334	33.754	9.330	26.110	191.9	0.081
50	8.898	33.749	8.893	26.177	185.8	0.100
60	8.807	33.836	8.801	26.259	178.2	0.118
70	8.547	33.882	8.542	26.335	171.1	0.136
80	8.490	33.902	8.482	26.360	168.9	0.153
90	8.406	33.970	8.397	26.426	162.9	0.169
100	8.251	33.981	8.241	26.459	159.9	0.186
110	8.213	34.004	8.202	26.482	157.7	0.201
120	8.136	34.034	8.124	26.517	154.7	0.217
130	8.150	34.067	8.137	26.541	152.6	0.232
140	8.070	34.075	8.056	26.560	151.0	0.248
150	7.950	34.088	7.936	26.588	148.6	0.263
175	7.759	34.109	7.742	26.633	144.7	0.299
200	7.729	34.110	7.710	26.638	144.6	0.336



STATION 140 HN9

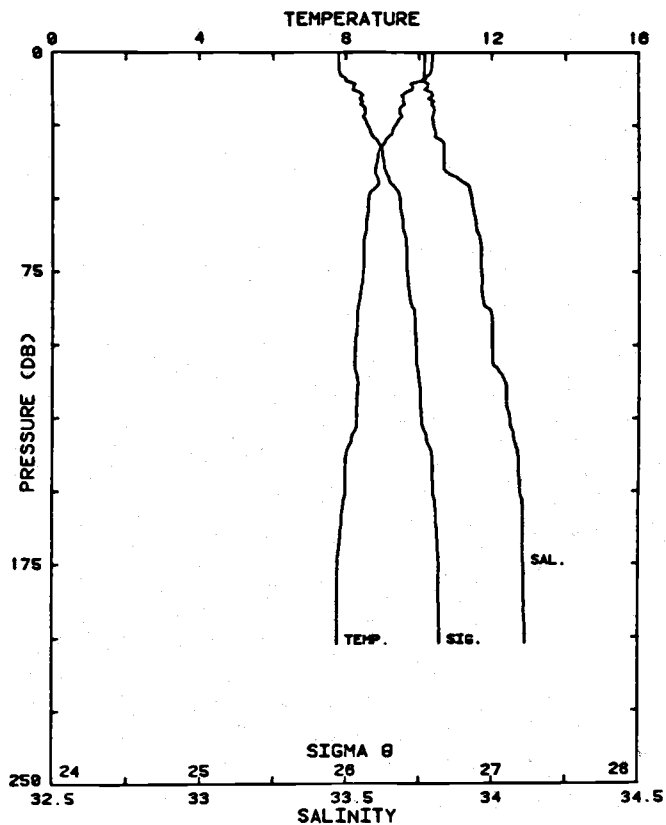


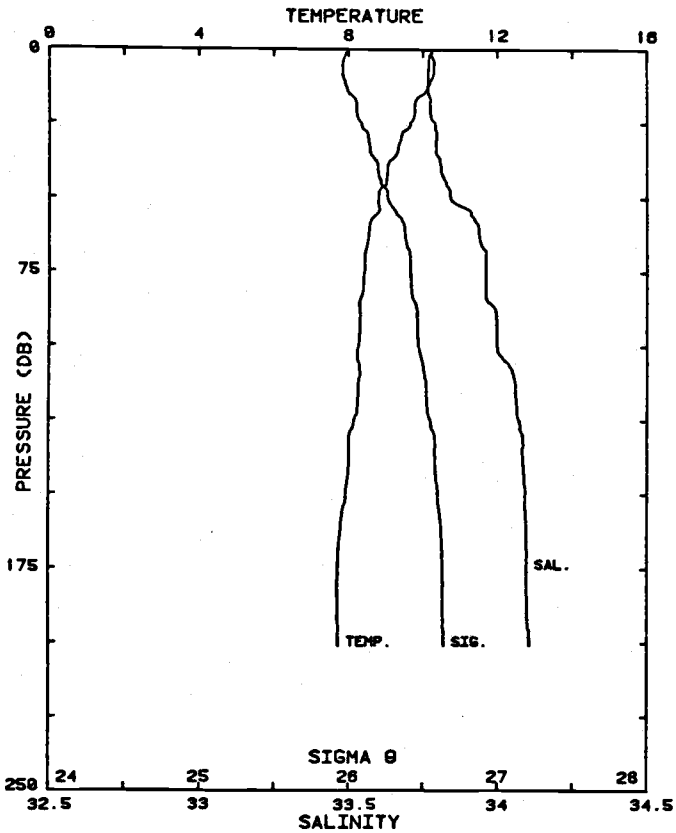
STA NO 141 HN9 LAT: 38 31.5 N LONG:123 38.0 W
26 MAY 1981 0300 GMT PROBE 2567 DEPTH 205M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.367	33.769	10.367	25.948	206.5	0.002
10	10.014	33.773	10.013	26.012	200.7	0.020
20	9.920	33.766	9.918	26.023	199.9	0.040
30	9.119	33.779	9.116	26.164	186.6	0.060
40	8.745	33.824	8.741	26.259	177.8	0.078
50	8.841	33.901	8.836	26.304	173.7	0.095
60	8.625	33.916	8.619	26.350	169.6	0.113
70	8.563	33.936	8.556	26.375	167.3	0.129
80	8.530	33.947	8.522	26.389	166.2	0.146
90	8.399	33.965	8.390	26.423	163.1	0.163
100	8.264	33.999	8.254	26.471	158.8	0.179
110	8.193	33.999	8.181	26.482	157.9	0.194
120	8.212	34.048	8.200	26.517	154.7	0.210
130	8.145	34.065	8.132	26.541	152.7	0.226
140	7.955	34.084	7.941	26.584	148.7	0.241
150	7.917	34.092	7.902	26.596	147.7	0.255
175	7.803	34.104	7.786	26.622	145.7	0.292
200	7.743	34.108	7.723	26.635	144.9	0.328
204	7.744	34.109	7.724	26.635	144.9	0.334

STA NO 142 HN9 LAT: 38 31.5 N LONG:123 38.0 W
26 MAY 1981 0400 GMT PROBE 2567 DEPTH 203M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	10.358	33.767	10.358	25.949	206.4	0.000
10	10.042	33.763	10.041	26.000	201.8	0.021
20	9.454	33.799	9.452	26.126	190.1	0.040
30	9.058	33.820	9.055	26.206	182.6	0.059
40	8.783	33.832	8.779	26.259	177.7	0.077
50	8.590	33.928	8.585	26.364	168.0	0.094
60	8.532	33.944	8.525	26.386	166.1	0.111
70	8.454	33.959	8.447	26.410	164.0	0.127
80	8.396	33.962	8.388	26.421	163.1	0.144
90	8.288	33.996	8.278	26.465	159.2	0.160
100	8.230	33.997	8.220	26.474	158.4	0.176
110	8.276	34.029	8.265	26.492	156.9	0.191
120	8.275	34.047	8.263	26.507	155.7	0.207
130	8.171	34.070	8.158	26.541	152.7	0.222
140	7.964	34.087	7.950	26.585	148.6	0.237
150	7.961	34.094	7.946	26.591	148.2	0.252
175	7.747	34.105	7.730	26.631	144.8	0.289
200	7.751	34.111	7.731	26.636	144.8	0.325
202	7.750	34.112	7.731	26.637	144.8	0.328





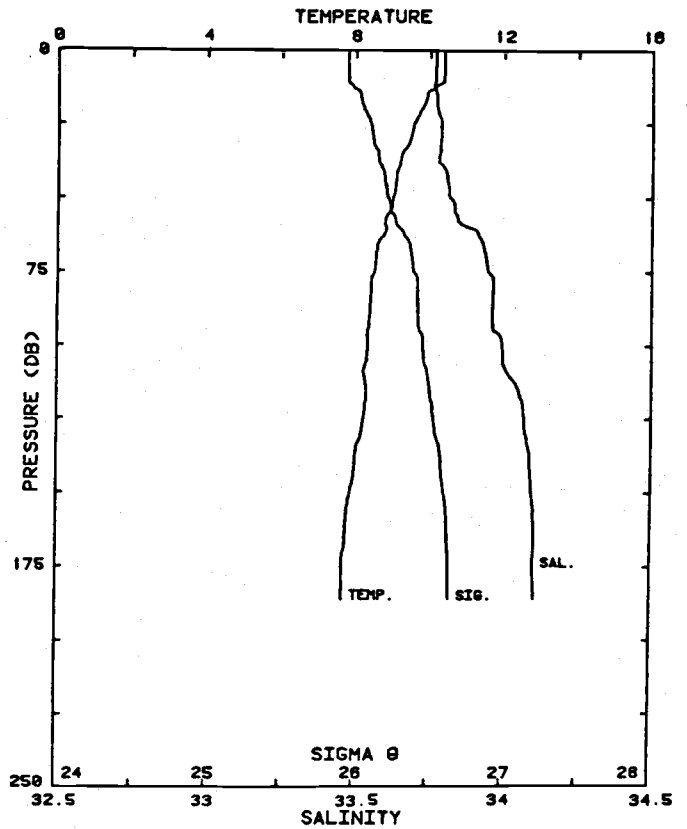
STATION 143 HN9

STA NO 143 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 26 MAY 1981 0430 GHT PROBE 2567 DEPTH 204M

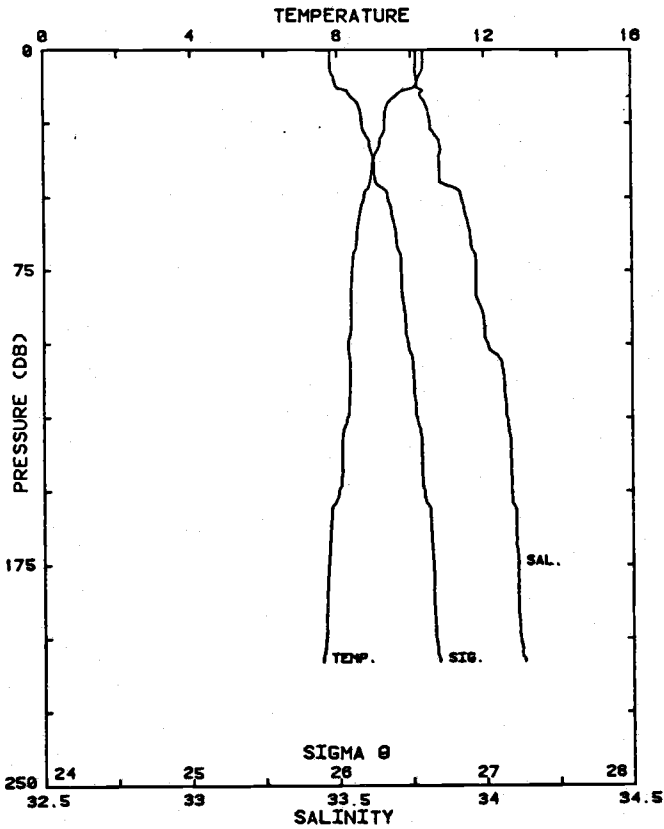
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.232	33.780	10.232	25.980	203.5	0.002
10	10.240	33.767	10.239	25.969	204.7	0.020
20	9.771	33.774	9.768	26.054	196.9	0.041
30	9.402	33.796	9.398	26.132	189.7	0.060
40	9.052	33.811	9.047	26.200	183.4	0.079
50	8.803	33.841	8.798	26.263	177.6	0.097
60	8.558	33.936	8.552	26.376	167.1	0.114
70	8.435	33.961	8.428	26.414	163.6	0.131
80	8.389	33.960	8.381	26.421	163.1	0.147
90	8.312	33.996	8.303	26.461	159.6	0.163
100	8.264	33.998	8.254	26.469	158.9	0.179
110	8.298	34.053	8.287	26.508	155.4	0.195
120	8.236	34.064	8.224	26.526	153.9	0.210
130	8.013	34.084	8.000	26.575	149.4	0.225
140	7.995	34.086	7.981	26.579	149.2	0.240
150	7.911	34.092	7.896	26.597	147.6	0.255
175	7.708	34.098	7.691	26.632	144.8	0.292
200	7.716	34.106	7.697	26.637	144.7	0.328
201	7.720	34.106	7.700	26.637	144.7	0.329

STA NO 144 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 26 MAY 1981 0500 GHT PROBE 2567 DEPTH 207M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	10.371	33.770	10.370	25.948	206.5	0.000
10	10.358	33.767	10.357	25.948	206.7	0.021
20	9.773	33.775	9.771	26.055	196.8	0.041
30	9.464	33.786	9.460	26.115	191.3	0.060
40	9.135	33.798	9.131	26.177	185.6	0.079
50	8.998	33.817	8.992	26.214	182.3	0.097
60	8.821	33.875	8.815	26.287	175.5	0.115
70	8.547	33.939	8.540	26.380	166.9	0.132
80	8.419	33.965	8.411	26.420	163.3	0.149
90	8.382	33.962	8.373	26.424	163.1	0.165
100	8.325	33.995	8.315	26.458	159.9	0.181
110	8.237	34.017	8.226	26.489	157.3	0.197
120	8.262	34.066	8.250	26.523	154.2	0.213
130	8.169	34.074	8.156	26.544	152.4	0.228
140	7.996	34.090	7.983	26.583	148.9	0.243
150	7.881	34.096	7.867	26.604	146.9	0.258
175	7.681	34.104	7.664	26.640	143.9	0.294
186	7.682	34.108	7.664	26.644	143.8	0.310



STATION 144 HN9



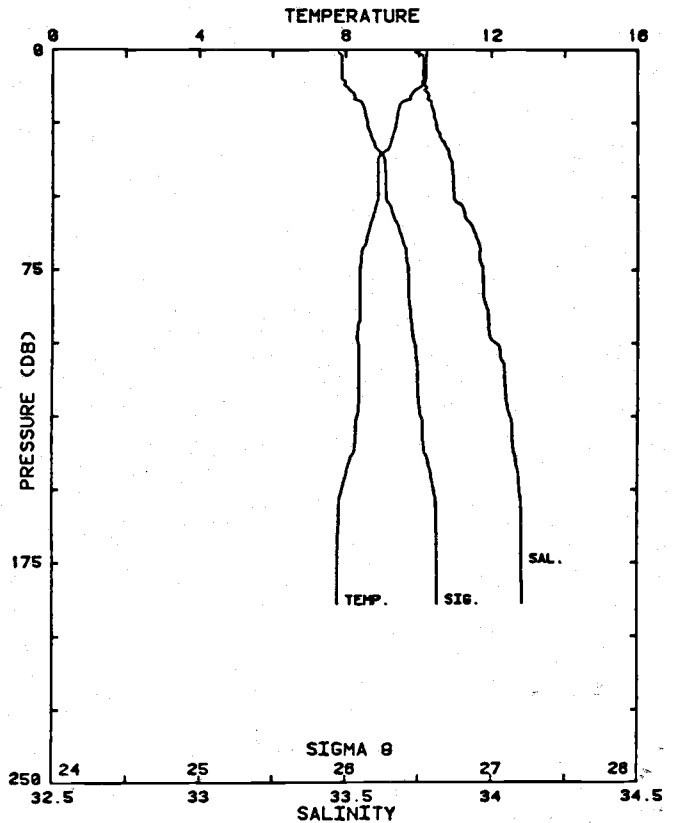
STATION 145 HN9

STA NO 145 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 26 MAY 1981 0600 GMT PROBE 2567 DEPTH 212M

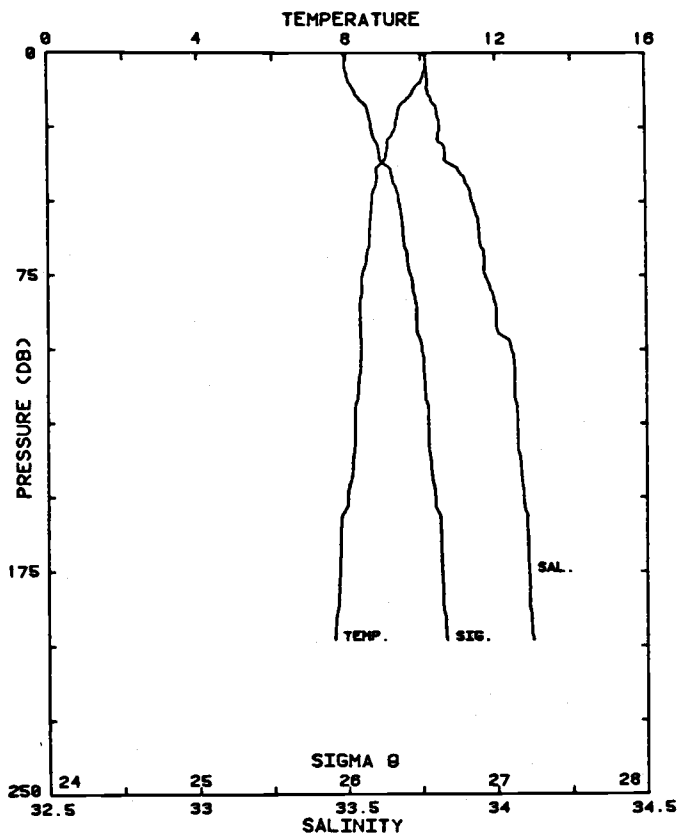
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	10.336	33.767	10.336	25.952	206.1	0.000
10	10.188	33.770	10.187	25.980	203.7	0.021
20	9.321	33.806	9.319	26.153	187.5	0.040
30	9.159	33.839	9.156	26.205	182.8	0.059
40	8.927	33.846	8.922	26.248	178.9	0.077
50	8.708	33.920	8.703	26.340	170.3	0.094
60	8.532	33.944	8.526	26.386	166.1	0.111
70	8.399	33.968	8.391	26.425	162.6	0.128
80	8.350	33.968	8.342	26.433	162.0	0.144
90	8.340	33.992	8.331	26.454	160.2	0.160
100	8.267	34.007	8.257	26.477	158.2	0.176
110	8.316	34.061	8.304	26.512	155.1	0.192
120	8.284	34.069	8.271	26.523	154.2	0.207
130	8.116	34.079	8.103	26.556	151.2	0.222
140	8.087	34.086	8.073	26.566	150.4	0.237
150	7.990	34.089	7.975	26.583	149.0	0.252
175	7.704	34.108	7.687	26.640	143.9	0.289
200	7.630	34.116	7.610	26.658	142.7	0.325
208	7.543	34.132	7.523	26.682	140.4	0.336

STA NO 146 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 26 MAY 1981 0700 GMT PROBE 2567 DEPTH 195M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.211	33.737	10.211	25.950	206.3	0.002
10	10.201	33.764	10.200	25.973	204.4	0.020
20	9.454	33.796	9.452	26.123	190.3	0.040
30	9.276	33.823	9.272	26.174	185.7	0.059
40	8.870	33.863	8.866	26.270	176.7	0.077
50	8.869	33.869	8.863	26.274	176.5	0.095
60	8.654	33.930	8.648	26.356	169.0	0.112
70	8.421	33.957	8.414	26.413	163.7	0.129
80	8.383	33.970	8.374	26.430	162.3	0.145
90	8.377	33.986	8.367	26.443	161.2	0.161
100	8.322	34.011	8.312	26.471	158.7	0.177
110	8.359	34.042	8.348	26.490	157.1	0.193
120	8.348	34.048	8.336	26.497	156.7	0.209
130	8.263	34.068	8.250	26.525	154.2	0.224
140	8.097	34.081	8.083	26.561	151.0	0.239
150	7.888	34.094	7.873	26.602	147.2	0.254
175	7.773	34.100	7.756	26.624	145.5	0.291
189	7.778	34.104	7.760	26.627	145.5	0.311



STATION 146 HN9



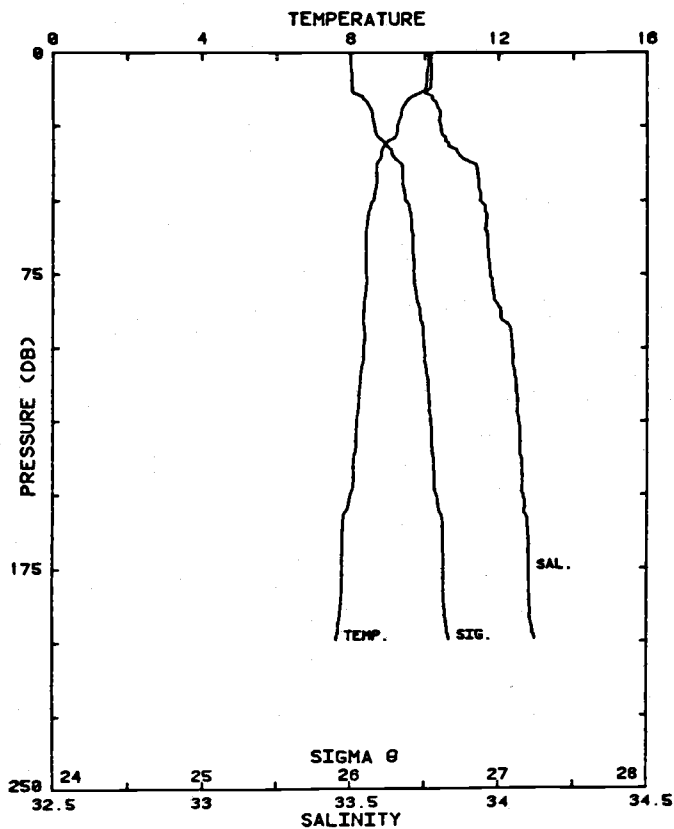
STATION 147 HN9

STA NO 147 HN9 LAT: 38 31.5 N LONG:123 38.0 W
26 MAY 1981 0759 GMT PROBE 2567 DEPTH 202M

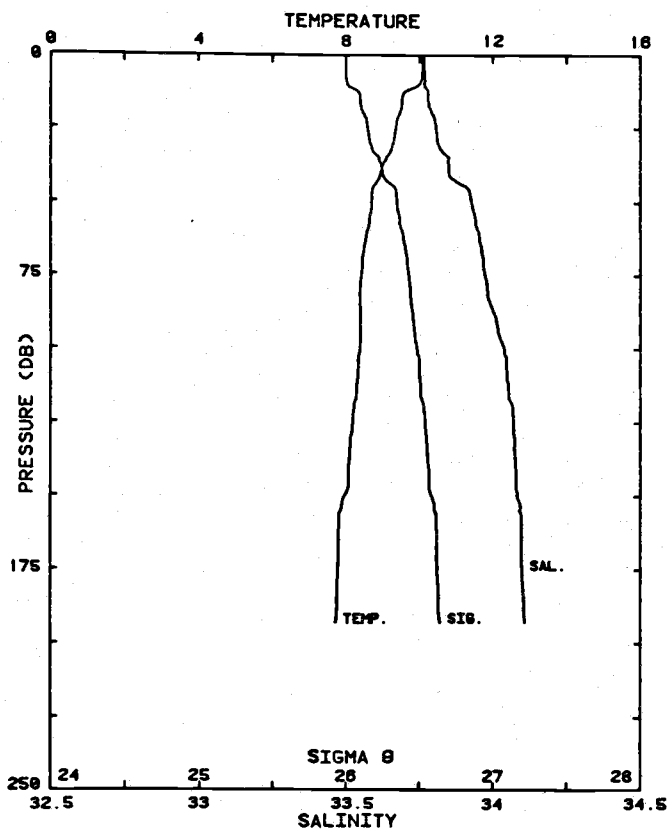
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	10.135	33.744	10.135	25.969	204.6	0.000
10	9.988	33.771	9.987	26.015	200.4	0.020
20	9.364	33.801	9.362	26.142	188.5	0.040
30	9.071	33.806	9.057	26.193	183.9	0.058
40	8.775	33.874	8.771	26.294	174.5	0.076
50	8.659	33.917	8.654	26.345	169.8	0.094
60	8.599	33.941	8.593	26.373	167.3	0.110
70	8.504	33.958	8.497	26.401	164.3	0.127
80	8.381	33.979	8.373	26.437	161.6	0.143
90	8.324	33.998	8.315	26.461	159.6	0.159
100	8.354	34.047	8.344	26.494	156.6	0.175
110	8.285	34.057	8.274	26.513	155.0	0.191
120	8.181	34.066	8.169	26.536	153.0	0.206
130	8.165	34.069	8.152	26.541	152.7	0.221
140	8.114	34.079	8.100	26.556	151.4	0.237
150	7.986	34.088	7.971	26.583	149.0	0.252
175	7.768	34.105	7.751	26.629	145.1	0.288
198	7.627	34.120	7.608	26.661	142.4	0.321

STA NO 148 HN9 LAT: 38 31.5 N LONG:123 38.0 W
26 MAY 1981 0859 GMT PROBE 2567 DEPTH 202M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	10.088	33.771	10.088	25.998	201.8	0.000
10	10.043	33.770	10.041	26.005	201.3	0.020
20	9.367	33.802	9.364	26.142	188.5	0.040
30	9.011	33.818	9.008	26.212	182.0	0.058
40	8.685	33.927	8.681	26.349	169.2	0.076
50	8.603	33.935	8.598	26.367	157.7	0.093
60	8.417	33.954	8.411	26.411	163.7	0.109
70	8.401	33.965	8.393	26.423	162.8	0.126
80	8.395	33.979	8.387	26.435	161.8	0.142
90	8.322	34.005	8.313	26.466	159.0	0.158
100	8.334	34.045	8.324	26.496	156.4	0.174
110	8.244	34.055	8.232	26.518	154.5	0.189
120	8.196	34.063	8.183	26.532	153.4	0.204
130	8.132	34.071	8.119	26.547	152.1	0.220
140	8.064	34.078	8.050	26.563	150.7	0.235
150	7.982	34.082	7.968	26.578	149.5	0.250
175	7.770	34.101	7.753	26.625	145.4	0.287
199	7.615	34.121	7.596	26.663	142.1	0.321



STATION 148 HN9



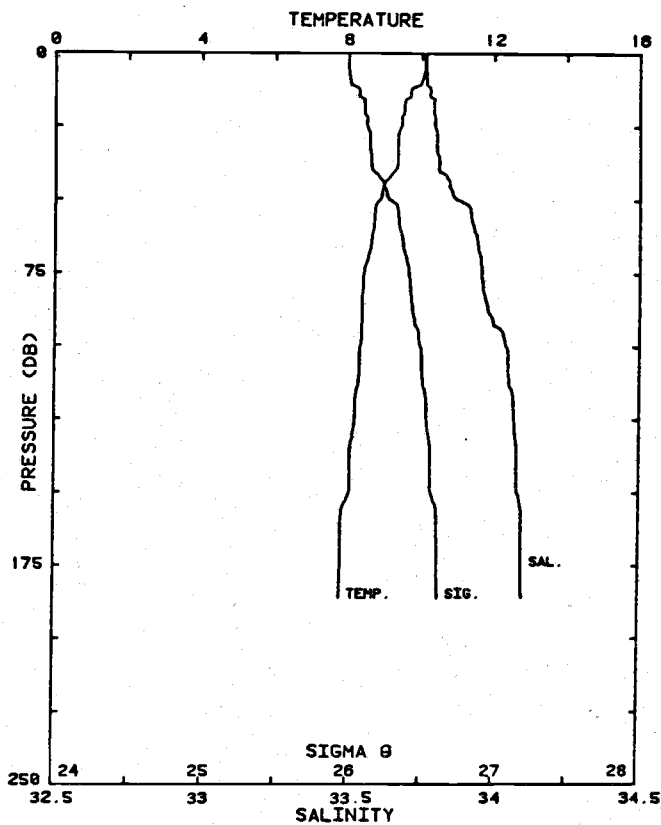
STATION 149 HN9

STA NO 149 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 26 MAY 1981 0959 GMT PROBE 2567 DEPTH 197M

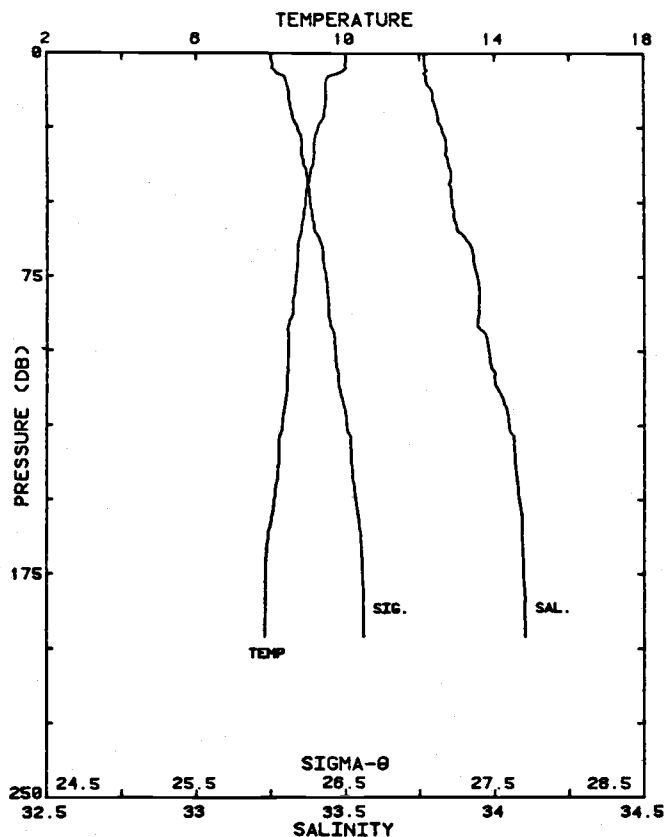
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.072	33.766	10.072	25.997	201.9	0.002
10	10.000	33.765	9.999	26.008	201.0	0.020
20	9.467	33.793	9.465	26.119	190.7	0.040
30	9.286	33.813	9.283	26.164	186.6	0.058
40	8.937	33.851	8.933	26.250	178.6	0.077
50	8.688	33.927	8.683	26.348	169.5	0.094
60	8.571	33.951	8.565	26.385	166.2	0.111
70	8.440	33.966	8.433	26.418	163.3	0.127
80	8.383	33.981	8.375	26.438	161.5	0.143
90	8.396	34.010	8.386	26.459	159.7	0.159
100	8.378	34.037	8.367	26.483	157.6	0.175
110	8.313	34.047	8.302	26.501	156.1	0.191
120	8.212	34.067	8.200	26.532	153.4	0.207
130	8.120	34.073	8.107	26.551	151.7	0.222
140	8.068	34.077	8.054	26.562	150.9	0.237
150	7.964	34.081	7.949	26.581	149.2	0.252
175	7.778	34.099	7.761	26.622	145.6	0.289
193	7.710	34.108	7.691	26.640	144.3	0.315

STA NO 150 HN9 LAT: 38 31.6 N LONG:123 38.0 W
 26 MAY 1981 1100 GMT PROBE 2567 DEPTH 195M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	10.059	33.766	10.059	25.999	201.7	0.000
10	9.984	33.766	9.983	26.011	200.7	0.020
20	9.529	33.790	9.527	26.106	191.9	0.040
30	9.350	33.801	9.346	26.144	188.5	0.059
40	9.295	33.807	9.291	26.158	187.4	0.077
50	8.857	33.868	8.852	26.276	176.4	0.095
60	8.676	33.929	8.670	26.352	169.3	0.113
70	8.525	33.954	8.518	26.395	165.5	0.129
80	8.387	33.961	8.379	26.422	163.0	0.146
90	8.367	33.990	8.358	26.448	160.8	0.162
100	8.329	34.041	8.319	26.494	156.6	0.178
110	8.298	34.049	8.287	26.505	155.7	0.193
120	8.187	34.067	8.175	26.536	153.0	0.209
130	8.110	34.072	8.105	26.550	151.7	0.224
140	8.047	34.078	8.033	26.566	150.5	0.239
150	8.042	34.080	8.027	26.568	150.4	0.254
175	7.805	34.097	7.788	26.616	146.2	0.291
186	7.783	34.100	7.764	26.622	145.8	0.307



STATION 150 HN9



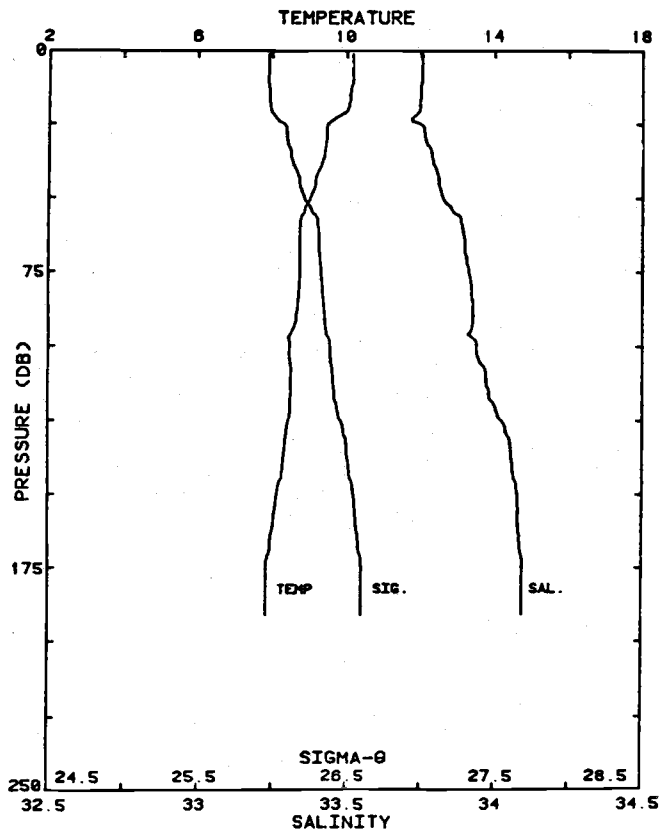
STATION 151 HN9

STA NO 151 HN9 LAT: 38 31.5 N LONG: 123 38.0 W
26 MAY 1981 1200 GMT PROBE 2567 DEPTH 202M

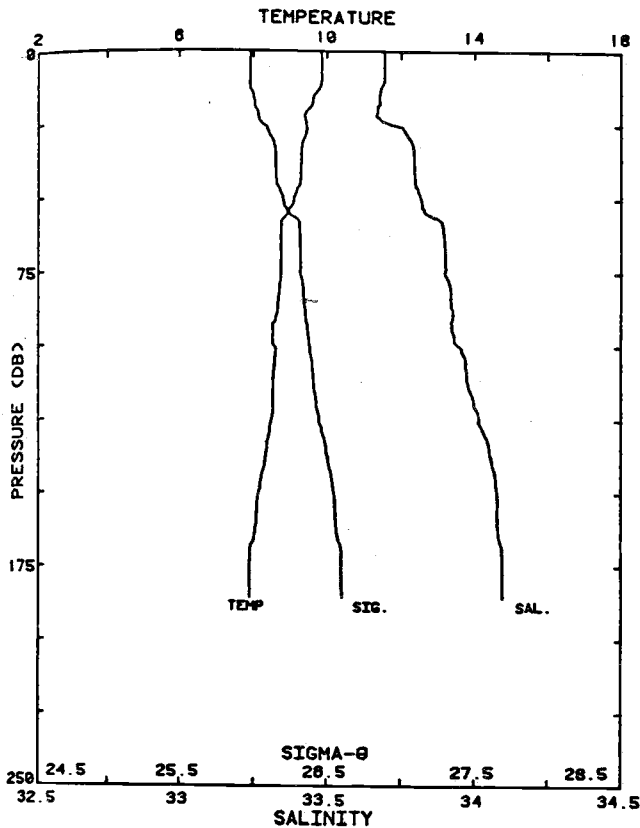
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.022	33.766	10.022	26.005	201.1	0.002
10	9.460	33.772	9.459	26.103	192.0	0.020
20	9.414	33.807	9.412	26.138	188.9	0.039
30	9.153	33.837	9.150	26.204	182.8	0.057
40	9.041	33.854	9.036	26.235	180.0	0.076
50	8.909	33.856	8.904	26.258	178.1	0.094
60	8.805	33.877	8.799	26.291	175.1	0.111
70	8.697	33.929	8.691	26.348	169.7	0.128
80	8.620	33.948	8.612	26.376	167.4	0.145
90	8.492	33.943	8.483	26.392	166.1	0.162
100	8.450	33.980	8.440	26.427	163.0	0.178
110	8.418	33.998	8.407	26.447	161.3	0.195
120	8.333	34.040	8.321	26.492	157.1	0.210
130	8.204	34.063	8.191	26.530	153.7	0.226
140	8.169	34.070	8.154	26.541	152.8	0.241
150	8.073	34.081	8.058	26.564	150.8	0.257
175	7.837	34.096	7.820	26.611	146.8	0.294
196	7.816	34.101	7.796	26.617	146.4	0.324

STA NO 152 HN9 LAT: 38 31.5 N LONG: 123 38.0 W
26 MAY 1981 1300 GMT PROBE 2567 DEPTH 199M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.159	33.757	10.159	25.975	204.0	0.002
10	10.166	33.754	10.165	25.971	204.5	0.020
20	10.036	33.748	10.034	25.989	203.1	0.041
30	9.456	33.766	9.453	26.100	192.7	0.060
40	9.271	33.801	9.267	26.158	187.4	0.080
50	9.022	33.825	9.017	26.216	182.1	0.098
60	8.743	33.892	8.737	26.313	173.1	0.116
70	8.739	33.906	8.732	26.324	172.2	0.133
80	8.725	33.921	8.717	26.339	171.0	0.150
90	8.643	33.927	8.633	26.356	169.5	0.167
100	8.472	33.941	8.462	26.393	166.2	0.184
110	8.510	33.972	8.499	26.412	164.6	0.200
120	8.492	34.002	8.479	26.438	162.3	0.217
130	8.380	34.043	8.367	26.487	157.8	0.233
140	8.289	34.061	8.274	26.516	155.3	0.248
150	8.130	34.078	8.115	26.553	151.9	0.264
175	7.858	34.096	7.840	26.608	147.1	0.301
191	7.853	34.096	7.834	26.609	147.2	0.325



STATION 152 HN9



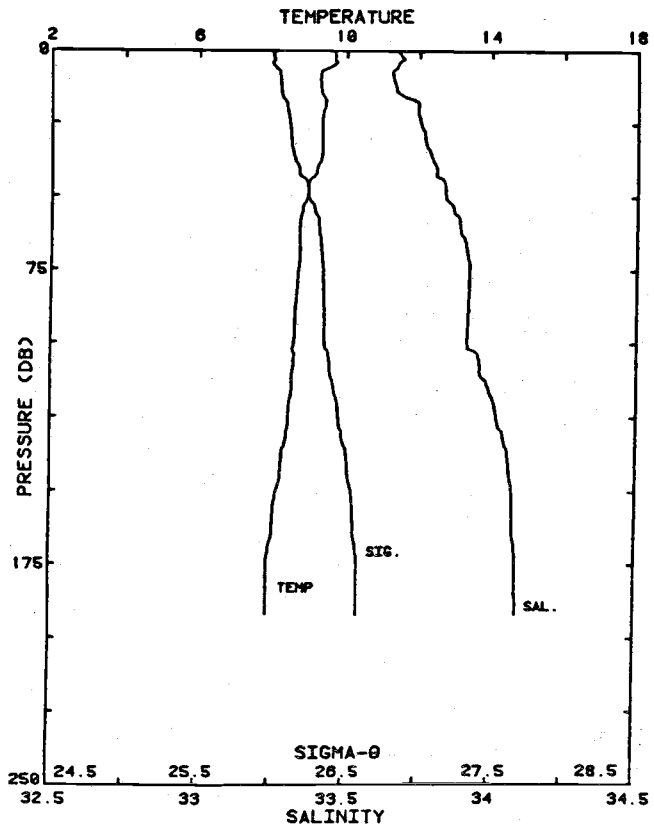
STATION 153 HN9

STA NO 153 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 26 MAY 1981 1400 GHT PROBE 2567 DEPTH 195M
 SAL. +0.038 AT 71-143DR

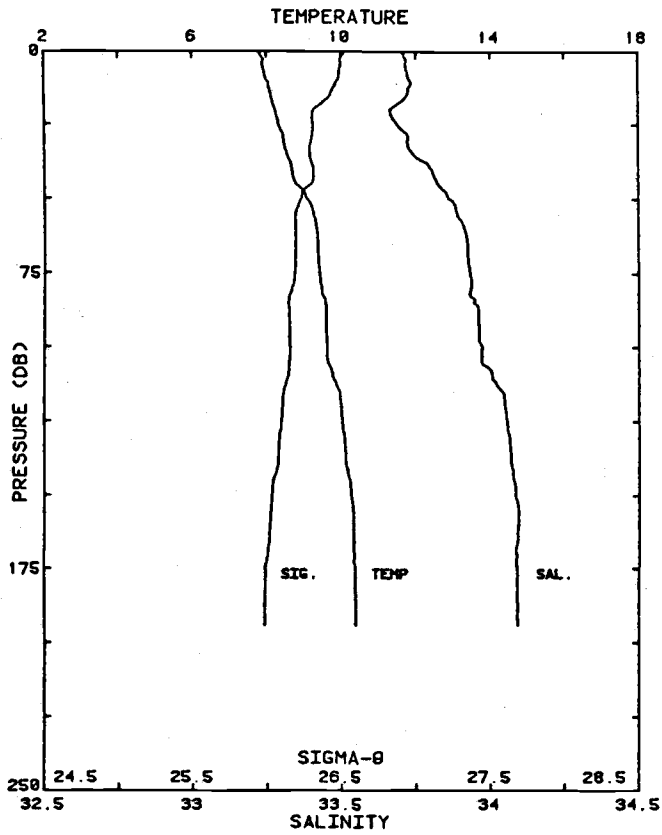
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.828	33.691	9.828	25.979	203.5	0.000
10	9.857	33.694	9.856	25.977	204.0	0.020
20	9.494	33.671	9.492	26.019	200.2	0.041
30	9.365	33.780	9.361	26.126	190.2	0.060
40	9.285	33.795	9.281	26.150	188.1	0.079
50	9.090	33.817	9.085	26.199	183.7	0.098
60	8.744	33.894	8.738	26.314	173.0	0.116
70	8.744	33.901	8.737	26.320	172.6	0.133
80	8.705	33.918	8.697	26.340	170.9	0.150
90	8.626	33.927	8.616	26.359	169.3	0.167
100	8.539	33.941	8.528	26.383	167.1	0.184
110	8.544	33.973	8.533	26.408	165.0	0.201
120	8.536	33.997	8.524	26.427	163.3	0.217
130	8.429	34.033	8.416	26.472	159.2	0.233
140	8.313	34.060	8.299	26.511	155.7	0.249
150	8.148	34.078	8.133	26.551	152.1	0.264
175	7.897	34.096	7.880	26.602	147.6	0.302
186	7.897	34.097	7.878	26.603	147.7	0.318

STA NO 154 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 26 MAY 1981 1500 GHT PROBE 2567 DEPTH 193M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.673	33.670	9.672	25.988	202.7	0.000
10	9.277	33.662	9.275	26.048	197.3	0.020
20	9.386	33.746	9.384	26.096	192.9	0.040
30	9.333	33.771	9.330	26.123	190.5	0.059
40	9.202	33.809	9.197	26.175	185.8	0.078
50	8.927	33.842	8.922	26.244	179.4	0.096
60	8.722	33.893	8.722	26.316	172.8	0.113
70	8.734	33.920	8.727	26.336	171.1	0.131
80	8.677	33.924	8.669	26.349	170.1	0.148
90	8.626	33.920	8.617	26.354	169.8	0.165
100	8.591	33.919	8.581	26.358	169.5	0.182
110	8.569	33.963	8.557	26.396	166.1	0.198
120	8.482	34.012	8.470	26.448	161.4	0.215
130	8.414	34.042	8.401	26.482	158.3	0.231
140	8.282	34.064	8.268	26.519	155.0	0.246
150	8.145	34.077	8.130	26.551	152.1	0.262
175	7.922	34.091	7.905	26.595	148.3	0.299
192	7.923	34.093	7.904	26.597	148.4	0.325



STATION 154 HN9



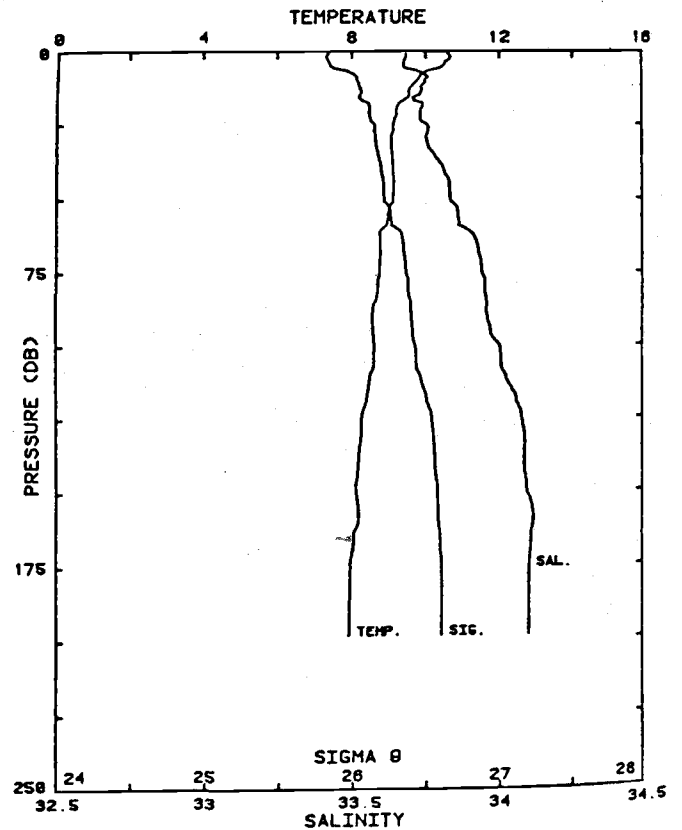
STATION 155 HN9

STA NO 155 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 26 MAY 1981 1600 GMT PROBE 2567 DEPTH 176M

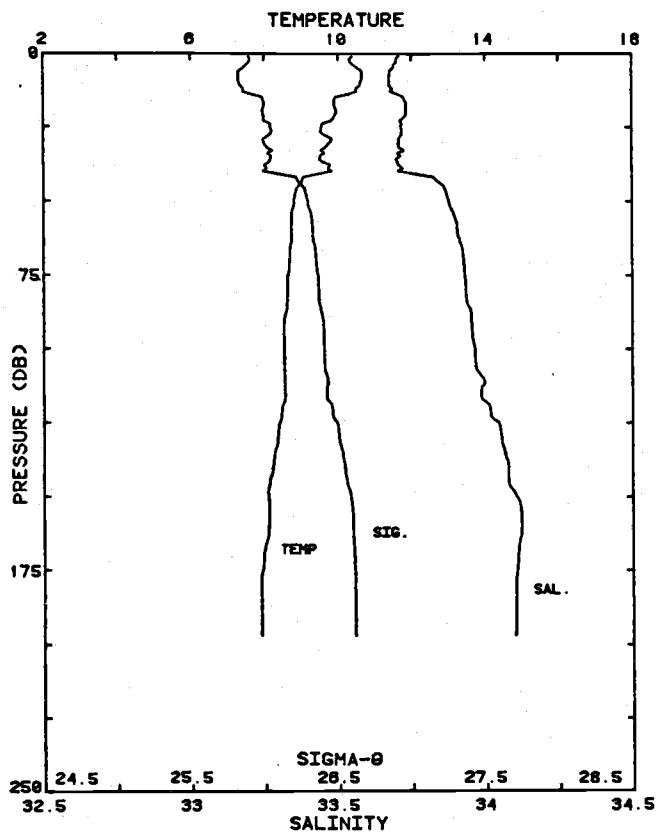
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	10.052	33.705	10.052	25.953	206.1	0.000
10	9.905	33.729	9.904	25.996	202.2	0.020
20	9.249	33.664	9.247	26.054	196.9	0.040
30	9.186	33.722	9.182	26.109	191.8	0.060
40	9.229	33.799	9.224	26.163	187.0	0.079
50	8.909	33.858	8.903	26.260	177.9	0.097
60	8.741	33.910	8.735	26.327	171.7	0.114
70	8.730	33.923	8.723	26.339	170.8	0.132
80	8.641	33.933	8.633	26.361	168.9	0.149
90	8.570	33.958	8.561	26.391	166.2	0.165
100	8.588	33.970	8.578	26.398	165.7	0.182
110	8.535	34.004	8.524	26.433	162.6	0.198
120	8.381	34.048	8.369	26.492	157.2	0.214
130	8.298	34.062	8.285	26.515	155.1	0.230
140	8.254	34.070	8.240	26.528	154.1	0.245
150	8.100	34.082	8.084	26.561	151.1	0.261
175	7.933	34.091	7.915	26.593	148.5	0.298
194	7.914	34.092	7.894	26.597	148.5	0.326

STA NO 156 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 26 MAY 1981 1700 GMT PROBE 2567 DEPTH 199M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.595	33.684	10.594	25.843	216.5	0.002
10	9.764	33.745	9.763	26.032	198.7	0.021
20	9.185	33.730	9.182	26.115	191.0	0.041
30	9.038	33.749	9.034	26.154	187.6	0.060
40	9.088	33.806	9.084	26.191	184.3	0.078
50	9.077	33.827	9.074	26.210	182.6	0.096
60	8.814	33.878	8.808	26.290	175.2	0.114
70	8.709	33.930	8.702	26.348	169.9	0.132
80	8.642	33.946	8.634	26.371	167.9	0.148
90	8.520	33.956	8.511	26.398	165.6	0.165
100	8.563	33.997	8.553	26.427	163.4	0.182
110	8.444	34.018	8.433	26.459	160.2	0.198
120	8.315	34.060	8.302	26.511	155.3	0.214
130	8.209	34.081	8.196	26.543	152.5	0.229
140	8.131	34.080	8.117	26.555	151.5	0.244
150	8.054	34.089	8.049	26.572	150.1	0.259
175	7.918	34.098	7.901	26.601	147.8	0.296
198	7.890	34.097	7.871	26.605	147.8	0.330



STATION 156 HN9



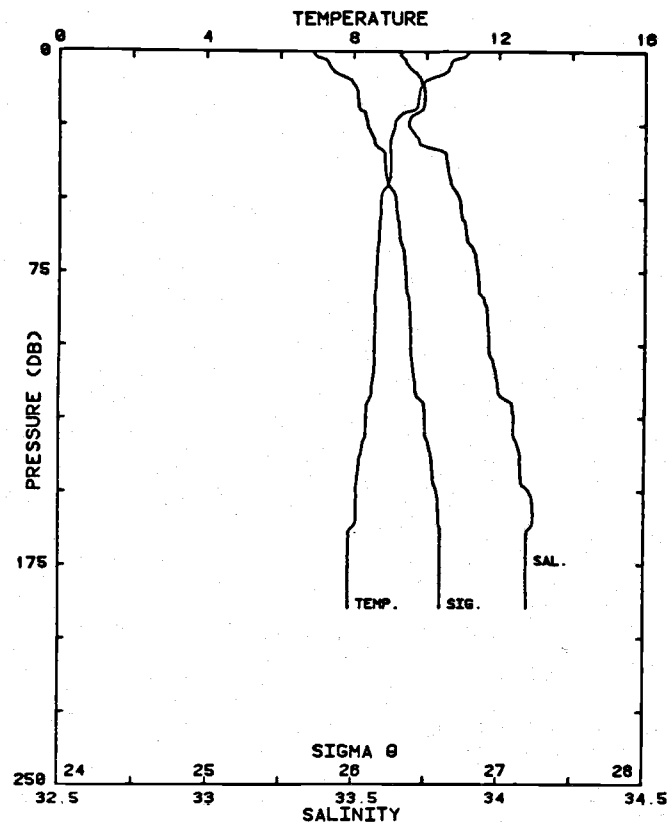
STATION 157 HN9

STA NO 157 HN9 LAT: 38 31.5 N LONG:123 38.0 W
26 MAY 1981 1800 GMT PROBE 2567 DEPTH 201M

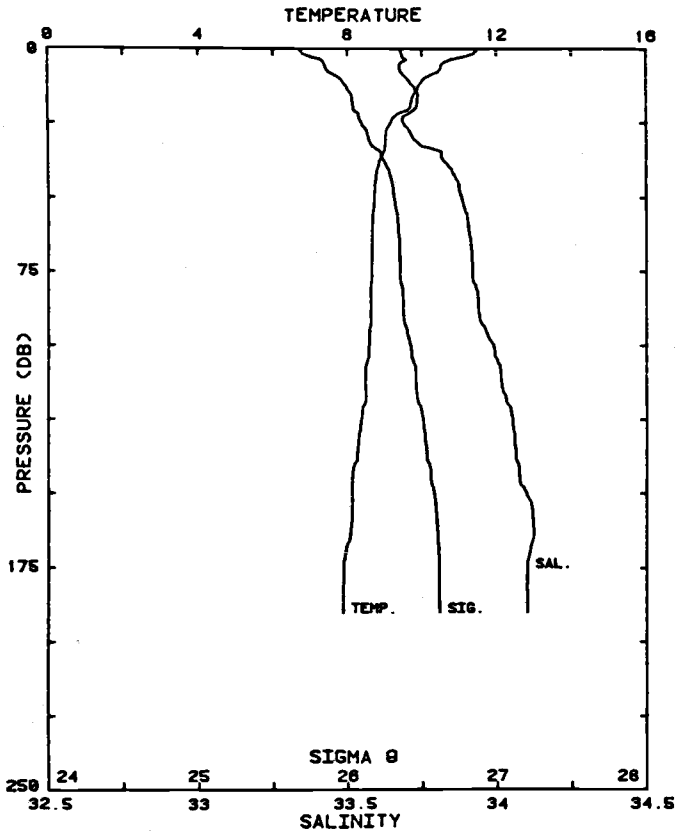
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	10.401	33.708	10.401	25.895	211.6	0.002
10	10.616	33.675	10.614	25.832	217.8	0.022
20	9.953	33.731	9.951	25.990	203.0	0.042
30	9.802	33.708	9.798	25.997	202.5	0.062
40	9.823	33.705	9.818	25.992	203.2	0.082
50	8.796	33.877	8.791	26.292	174.8	0.100
60	8.726	33.905	8.720	26.326	171.8	0.118
70	8.672	33.927	8.665	26.351	169.6	0.135
80	8.614	33.934	8.605	26.366	168.4	0.152
90	8.523	33.952	8.514	26.394	165.9	0.168
100	8.522	33.964	8.512	26.403	165.2	0.185
110	8.533	33.993	8.522	26.425	163.4	0.201
120	8.454	34.015	8.442	26.455	160.7	0.218
130	8.342	34.054	8.328	26.502	156.4	0.234
140	8.200	34.078	8.185	26.543	152.7	0.249
150	8.085	34.104	8.070	26.531	149.3	0.264
175	7.922	34.107	7.905	26.608	147.1	0.301
197	7.878	34.099	7.858	26.608	147.4	0.334

STA NO 158 HN9 LAT: 38 31.5 N LONG:123 38.0 W
26 MAY 1981 1900 GMT PROBE 2567 DEPTH 195M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	11.146	33.652	11.146	25.720	228.2	0.000
10	9.996	33.732	9.995	25.983	203.4	0.022
20	9.653	33.735	9.651	26.043	197.9	0.042
30	8.997	33.723	8.994	26.140	188.9	0.061
40	9.008	33.822	9.004	26.216	181.9	0.079
50	8.743	33.861	8.733	26.288	175.2	0.097
60	8.703	33.883	8.696	26.312	173.1	0.115
70	8.646	33.919	8.638	26.349	169.8	0.132
80	8.614	33.931	8.606	26.364	168.6	0.149
90	8.591	33.961	8.582	26.391	166.2	0.166
100	8.584	33.964	8.574	26.394	166.1	0.182
110	8.569	33.991	8.558	26.418	164.1	0.199
120	8.385	34.045	8.373	26.489	157.5	0.215
130	8.355	34.052	8.342	26.499	156.7	0.231
140	8.170	34.073	8.156	26.543	152.6	0.246
150	8.105	34.103	8.090	26.577	149.6	0.261
175	7.893	34.097	7.876	26.604	147.5	0.298
190	7.893	34.098	7.875	26.604	147.7	0.320



STATION 158 HN9



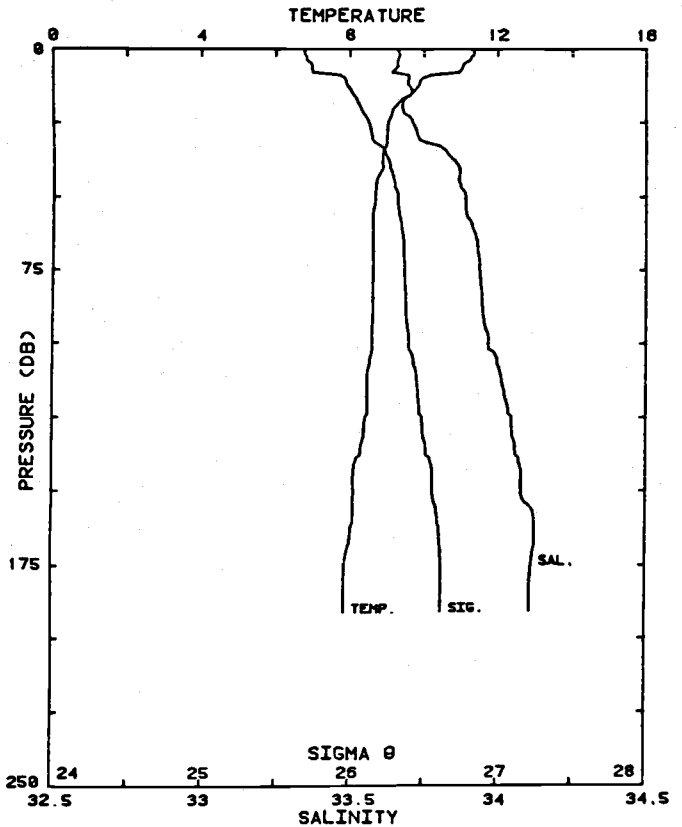
STATION 159 HN9

STA NO 159 HN9 LAT: 38 31.5 N LONG:123 38.0 W
26 MAY 1981 2000 GMT PROBE 2567 DEPTH 197M

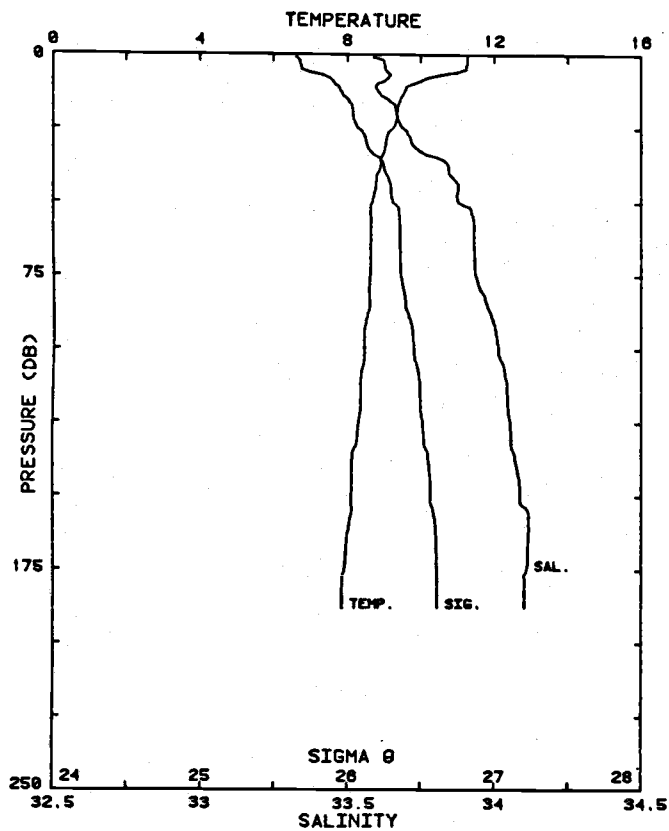
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	11.461	33.678	11.461	25.682	231.8	0.000
10	10.069	33.696	10.068	25.943	207.2	0.022
20	9.663	33.729	9.661	26.037	198.5	0.042
30	8.999	33.717	8.996	26.135	189.4	0.061
40	8.803	33.840	8.799	26.262	177.5	0.080
50	8.709	33.880	8.704	26.308	173.3	0.097
60	8.649	33.904	8.643	26.337	170.8	0.114
70	8.637	33.916	8.629	26.348	169.9	0.131
80	8.612	33.928	8.604	26.361	168.8	0.148
90	8.608	33.940	8.598	26.372	168.0	0.165
100	8.553	33.987	8.543	26.417	163.9	0.182
110	8.458	34.012	8.446	26.452	160.8	0.198
120	8.434	34.036	8.422	26.474	158.9	0.214
130	8.279	34.058	8.266	26.515	155.2	0.230
140	8.162	34.071	8.148	26.543	152.6	0.245
150	8.089	34.097	8.074	26.575	149.8	0.260
175	7.873	34.100	7.856	26.609	146.9	0.297
190	7.856	34.100	7.837	26.612	146.9	0.319

STA NO 160 HN9 LAT: 38 31.5 N LONG:123 38.0 W
26 MAY 1981 2058 GMT PROBE 2567 DEPTH 195M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	11.307	33.660	11.307	25.697	230.4	0.000
10	9.953	33.701	9.952	25.966	205.0	0.023
20	9.184	33.677	9.181	26.074	194.9	0.043
30	8.985	33.731	8.982	26.148	188.1	0.062
40	8.881	33.868	8.876	26.272	176.6	0.080
50	8.675	33.891	8.670	26.322	172.0	0.097
60	8.615	33.912	8.608	26.349	169.6	0.114
70	8.616	33.934	8.609	26.365	168.3	0.131
80	8.611	33.941	8.602	26.372	167.8	0.148
90	8.602	33.948	8.593	26.379	167.4	0.165
100	8.575	33.968	8.565	26.399	165.7	0.181
110	8.463	34.008	8.452	26.448	161.2	0.198
120	8.461	34.029	8.449	26.464	159.8	0.214
130	8.366	34.048	8.352	26.494	157.2	0.230
140	8.147	34.068	8.133	26.543	152.7	0.245
150	8.097	34.079	8.082	26.559	151.3	0.260
175	7.879	34.113	7.862	26.618	146.1	0.297
191	7.859	34.109	7.840	26.619	146.3	0.321



STATION 160 HN9

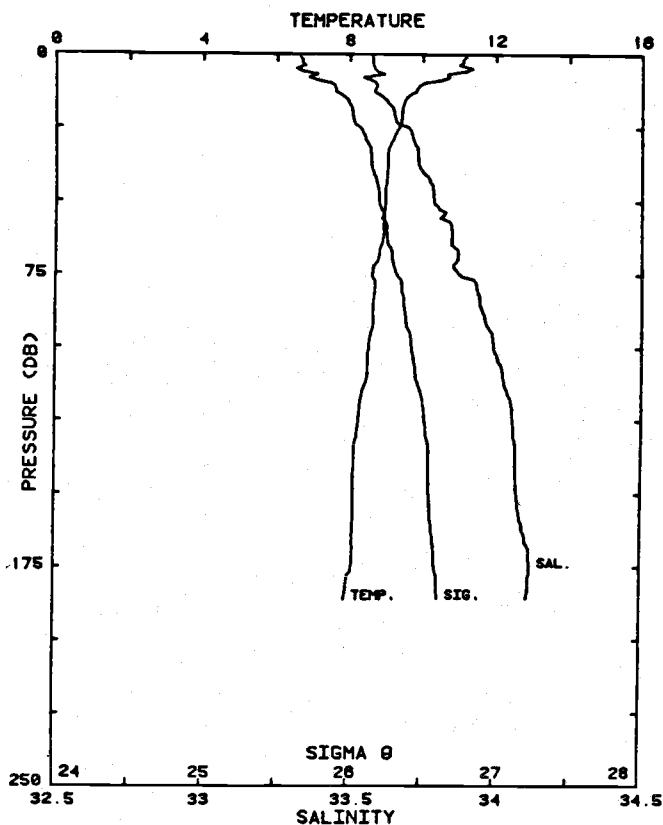


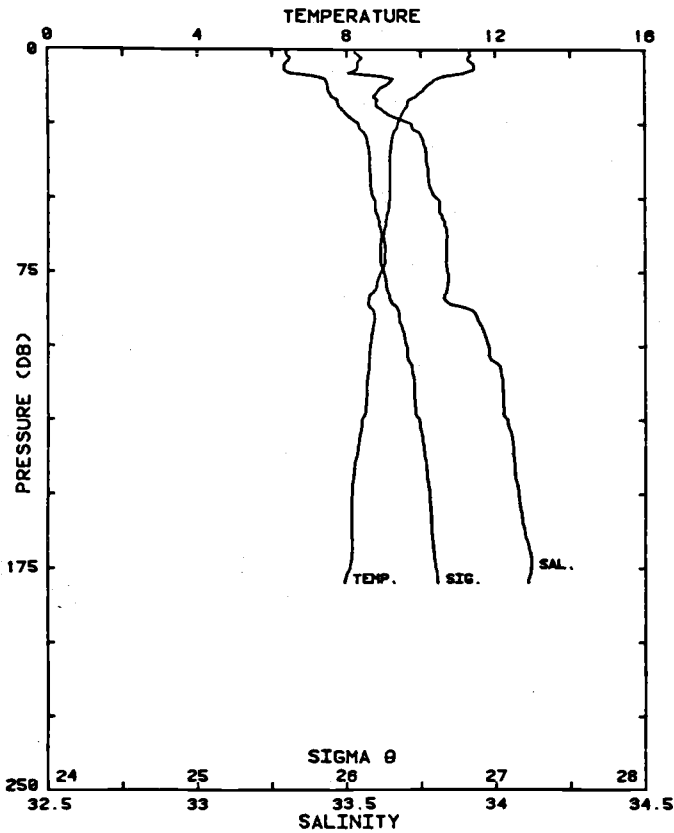
STA NO 161 HN9 LAT: 38 31.5 N LONG: 123 38.0 W
26 MAY 1981 2158 GMT PROBE 2567 DEPTH 195M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.270	33.589	11.270	25.649	235.0	0.002
10	9.795	33.601	9.794	25.915	209.9	0.023
20	9.357	33.668	9.355	26.039	198.3	0.043
30	9.049	33.718	9.046	26.128	190.0	0.062
40	8.843	33.845	8.839	26.260	177.7	0.081
50	8.688	33.877	8.683	26.309	173.2	0.098
60	8.640	33.932	8.633	26.360	168.6	0.115
70	8.631	33.932	8.624	26.361	168.6	0.132
80	8.594	33.954	8.585	26.385	166.6	0.149
90	8.507	33.996	8.497	26.431	162.4	0.165
100	8.453	34.014	8.443	26.454	160.5	0.181
110	8.353	34.038	8.341	26.488	157.3	0.197
120	8.343	34.046	8.331	26.496	156.8	0.213
130	8.252	34.057	8.238	26.518	154.8	0.228
140	8.101	34.077	8.087	26.557	151.3	0.244
150	8.093	34.087	8.078	26.566	150.7	0.259
175	7.911	34.110	7.894	26.611	146.8	0.296
188	7.851	34.102	7.832	26.614	146.7	0.315

STA NO 162 HN9 LAT: 38 31.4 N LONG: 123 38.0 W
26 MAY 1981 2300 GMT PROBE 2567 DEPTH 195M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.181	33.575	11.181	25.654	234.5	0.002
10	10.018	33.589	10.017	25.868	214.4	0.023
20	9.413	33.650	9.411	26.016	200.5	0.044
30	9.129	33.719	9.125	26.116	191.1	0.063
40	9.012	33.747	9.008	26.157	187.5	0.082
50	8.954	33.789	8.948	26.199	183.7	0.101
60	8.918	33.849	8.912	26.251	178.9	0.119
70	8.775	33.869	8.768	26.289	175.5	0.136
80	8.683	33.936	8.674	26.357	169.3	0.154
90	8.644	33.963	8.635	26.384	166.9	0.171
100	8.532	33.994	8.522	26.425	163.1	0.187
110	8.494	34.025	8.482	26.456	160.4	0.203
120	8.295	34.055	8.283	26.510	155.4	0.219
130	8.213	34.063	8.200	26.529	153.9	0.234
140	8.135	34.069	8.121	26.545	152.4	0.250
150	8.128	34.074	8.113	26.551	152.1	0.265
175	8.090	34.119	8.073	26.592	148.7	0.303
186	7.901	34.110	7.882	26.613	146.8	0.319





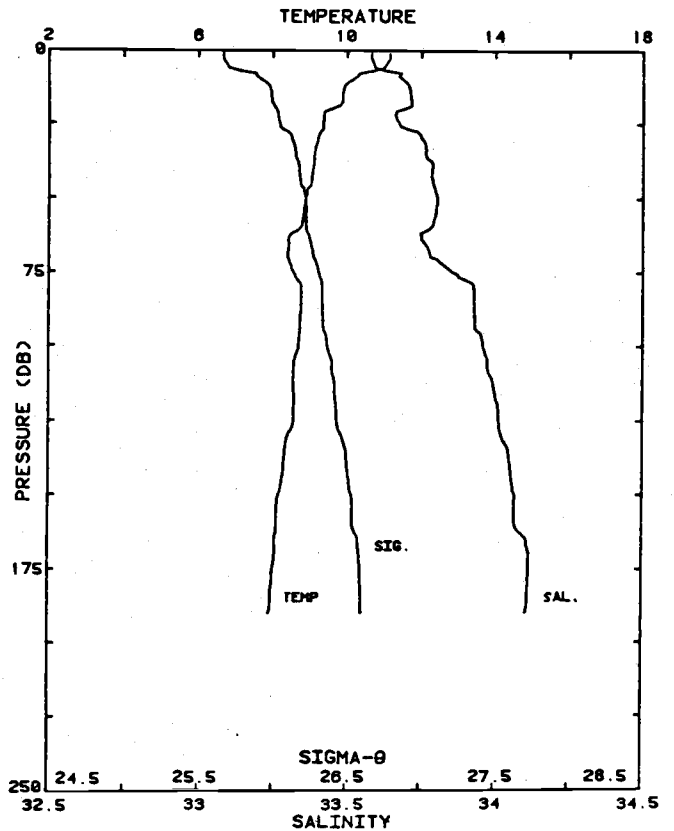
STATION 163 HN9

STA NO 163 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 26 MAY 1981 2359 GMT PROBE 2567 DEPTH 191M

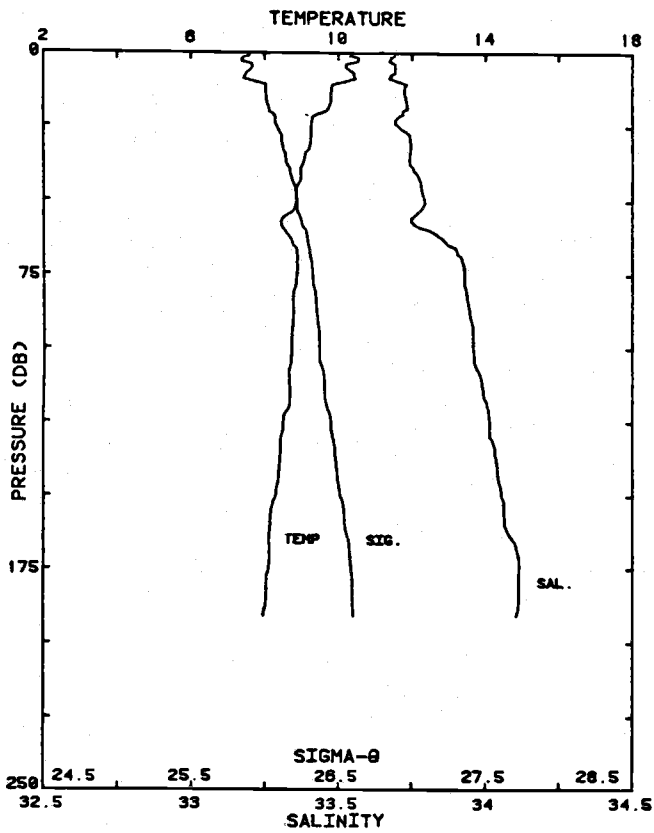
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.300	33.525	11.300	25.594	240.2	0.002
10	10.391	33.654	10.389	25.855	215.6	0.024
20	9.563	33.613	9.561	25.962	205.6	0.045
30	9.210	33.754	9.207	26.131	189.8	0.064
40	9.149	33.771	9.145	26.153	187.8	0.083
50	9.155	33.800	9.149	26.176	185.9	0.102
60	9.028	33.832	9.022	26.221	181.8	0.120
70	9.012	33.833	9.005	26.224	181.7	0.139
80	8.794	33.837	8.786	26.262	178.3	0.157
90	8.729	33.935	8.719	26.349	170.2	0.174
100	8.608	33.974	8.597	26.398	165.7	0.191
110	8.543	34.017	8.532	26.442	161.8	0.207
120	8.493	34.024	8.481	26.456	160.6	0.223
130	8.324	34.052	8.311	26.503	156.3	0.239
140	8.188	34.062	8.174	26.532	153.7	0.255
150	8.122	34.075	8.107	26.552	152.0	0.270
175	8.057	34.116	8.039	26.594	148.4	0.308
180	7.924	34.106	7.906	26.606	147.3	0.315

STA NO 164 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 27 MAY 1981 0100 GMT PROBE 2567 DEPTH 201M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	11.145	33.583	11.145	25.667	233.3	0.002
10	10.154	33.688	10.153	25.922	209.2	0.023
20	9.606	33.697	9.604	26.021	200.0	0.043
30	9.213	33.751	9.210	26.127	190.1	0.063
40	9.082	33.789	9.078	26.178	185.5	0.081
50	8.885	33.805	8.879	26.222	181.5	0.100
60	8.756	33.783	8.749	26.225	181.4	0.118
70	8.408	33.782	8.401	26.278	176.5	0.136
80	8.777	33.928	8.768	26.336	171.3	0.153
90	8.759	33.933	8.750	26.342	170.9	0.170
100	8.709	33.960	8.699	26.371	168.3	0.187
110	8.573	33.983	8.561	26.411	164.7	0.204
120	8.579	34.012	8.567	26.433	162.8	0.220
130	8.407	34.022	8.394	26.467	159.7	0.236
140	8.310	34.052	8.296	26.505	156.3	0.252
150	8.171	34.068	8.156	26.539	153.2	0.268
175	8.023	34.116	8.006	26.599	147.9	0.305
190	7.917	34.107	7.898	26.609	147.3	0.327



STATION 164 HN9



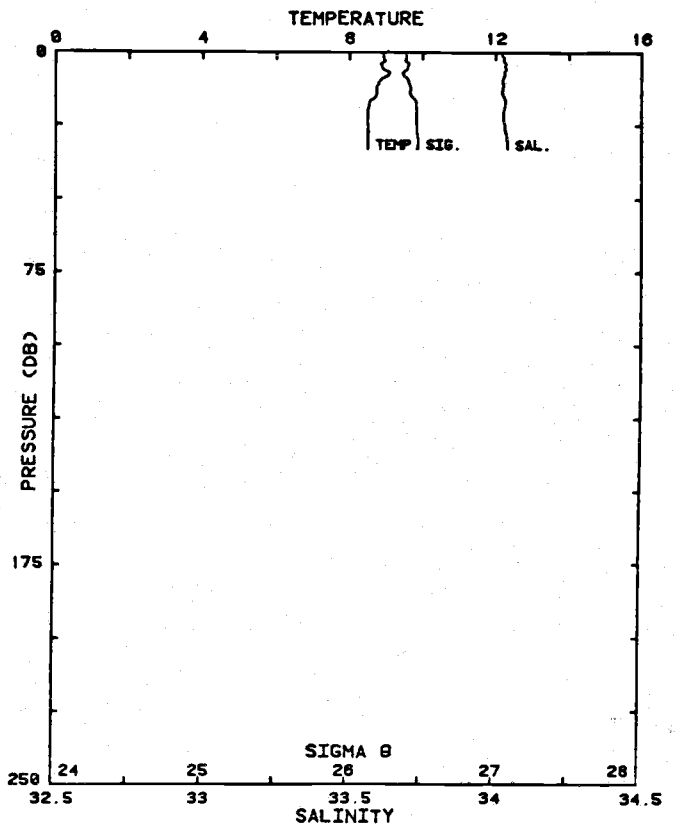
STATION 165 HN9

STA NO 165 HN9 LAT: 38 31.5 N LONG:123 38.0 W
 27 MAY 1981 0200 GMT PROBE 2567 DEPTH 201M

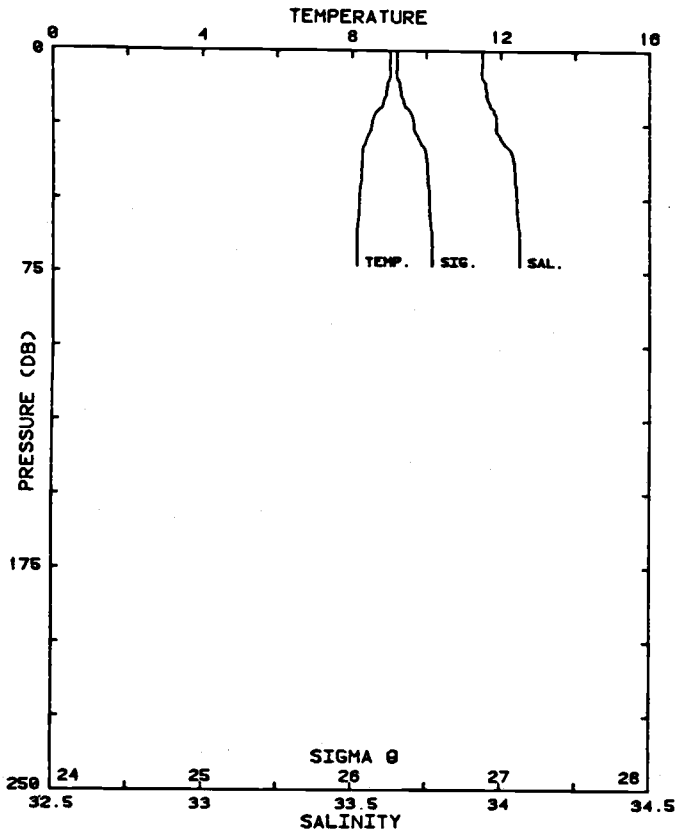
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.312	33.693	10.312	25.899	211.2	0.002
10	10.159	33.707	10.158	25.936	207.9	0.021
20	9.661	33.719	9.659	26.029	199.2	0.041
30	9.246	33.745	9.243	26.117	191.0	0.061
40	8.963	33.757	8.959	26.172	186.0	0.080
50	8.868	33.793	8.863	26.215	182.1	0.098
60	8.533	33.807	8.527	26.279	176.3	0.116
70	8.879	33.921	8.872	26.314	173.2	0.133
80	8.801	33.934	8.793	26.337	171.2	0.151
90	8.760	33.952	8.750	26.358	169.4	0.168
100	8.714	33.960	8.704	26.371	168.3	0.185
110	8.648	33.984	8.637	26.400	165.7	0.201
120	8.634	34.008	8.622	26.421	163.9	0.218
130	8.430	34.017	8.417	26.460	160.4	0.234
140	8.378	34.041	8.363	26.487	158.1	0.250
150	8.289	34.056	8.274	26.512	155.9	0.266
175	8.096	34.116	8.079	26.589	149.0	0.303
191	7.949	34.107	7.930	26.604	147.7	0.327

STA NO 166 COC1 LAT: 38 39.8 N LONG:123 25.5 W
 27 MAY 1981 0334 GMT PROBE 2567 DEPTH 38M
 1.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	8.916	34.020	8.916	26.384	165.1	0.002
10	8.808	34.022	8.807	26.403	163.5	0.016
20	8.481	34.026	8.479	26.457	158.5	0.033
30	8.484	34.037	8.481	26.466	157.9	0.048
33	8.482	34.038	8.478	26.467	157.9	0.053



STATION 166 COC1



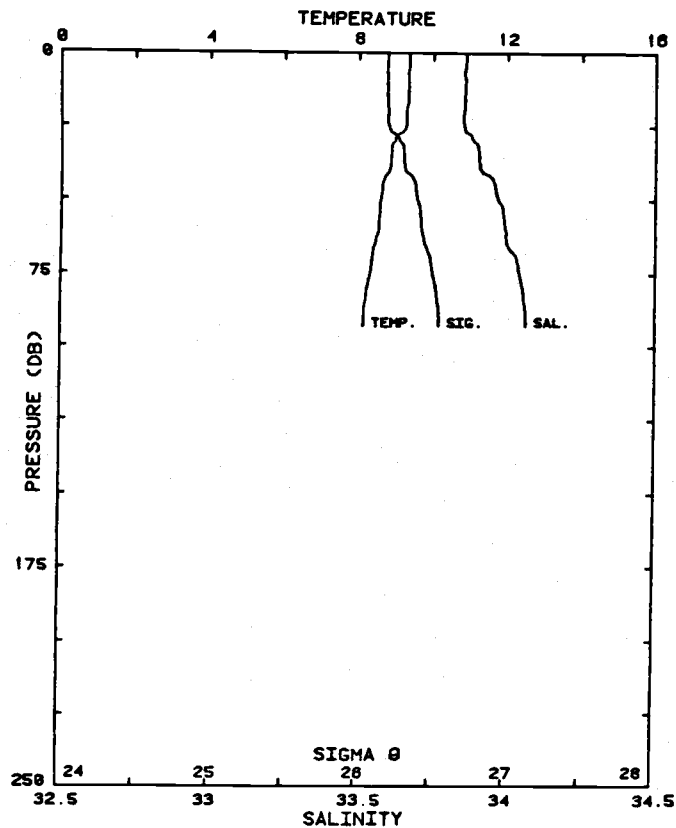
STATION 167 COC2

STA NO 167 COC2 LAT: 38 38.8 N LONG:123 26.9 W
 27 MAY 1981 0406 GMT PROBE 2567 DEPTH 76M
 3.7 KM FROM SHORE

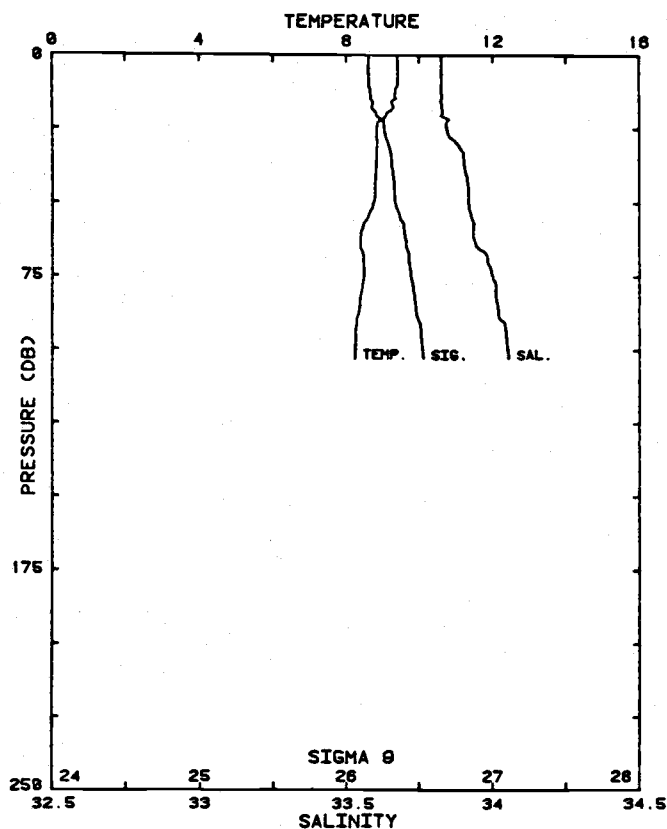
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
0	9.018	33.933	9.018	26.300	173.1	0.000
10	9.001	33.941	9.000	26.309	172.4	0.017
20	8.713	33.975	8.711	26.382	165.7	0.034
30	8.396	33.999	8.393	26.450	159.5	0.051
40	8.258	34.045	8.254	26.506	154.3	0.066
50	8.199	34.053	8.194	26.522	153.0	0.081
60	8.154	34.059	8.148	26.534	152.0	0.097
70	8.132	34.053	8.125	26.540	151.6	0.112
73	8.133	34.062	8.125	26.540	151.7	0.116

STA NO 168 COC3 LAT: 38 37.5 N LONG:123 28.9 W
 27 MAY 1981 0436 GMT PROBE 2567 DEPTH 95M
 7.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
0	9.338	33.860	9.338	26.192	183.4	0.000
10	9.331	33.858	9.330	26.191	183.6	0.018
20	9.274	33.853	9.272	26.197	183.3	0.037
30	8.974	33.885	8.970	26.271	176.5	0.055
40	8.824	33.910	8.820	26.314	172.6	0.072
50	8.596	33.969	8.591	26.395	165.0	0.089
60	8.539	33.993	8.533	26.423	162.6	0.105
70	8.355	34.031	8.348	26.481	157.2	0.121
80	8.215	34.052	8.207	26.519	153.8	0.137
90	8.133	34.062	8.124	26.540	152.0	0.152
93	8.132	34.063	8.123	26.540	152.0	0.157



STATION 168 COC3



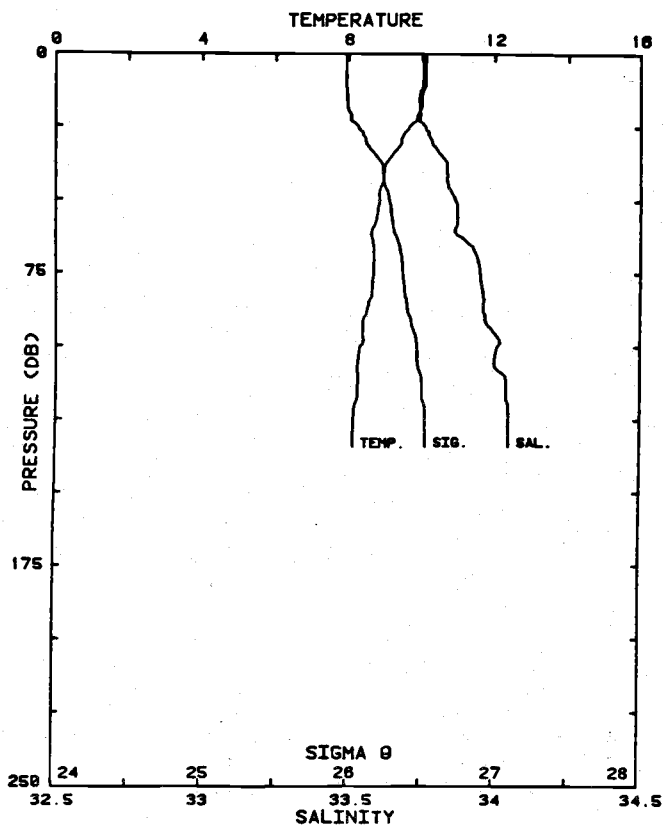
STATION 169 COC4

STA NO 169 COC4 LAT: 38 36.2 N LONG:123 30.8 W
 27 MAY 1981 0508 GMT PROBE 2567 DEPTH 109M
 11.1 KM FROM SHORE

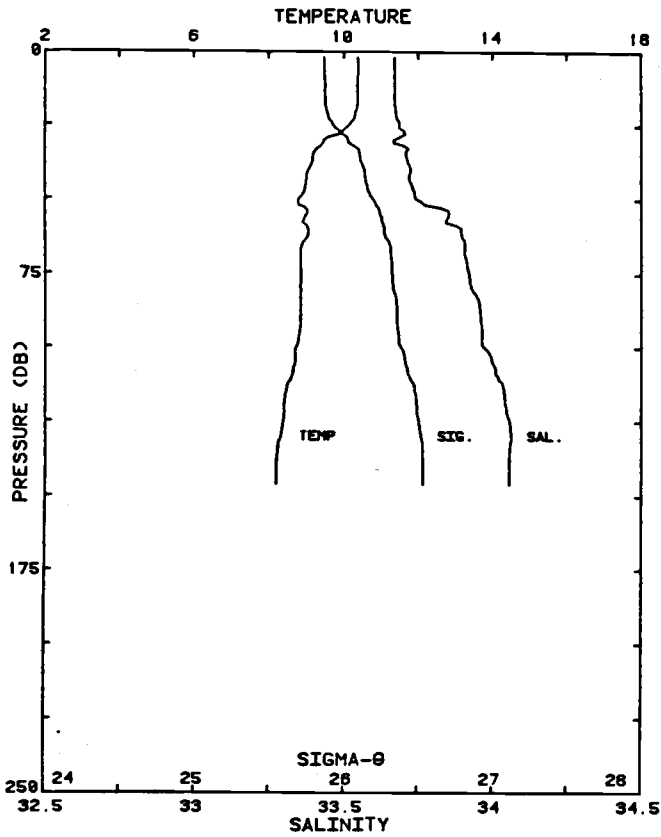
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.405	33.826	9.405	26.155	186.9	0.000
10	9.409	33.825	9.408	26.153	187.2	0.019
20	9.101	33.829	9.099	26.206	182.4	0.037
30	8.833	33.876	8.830	26.285	175.1	0.055
40	8.791	33.906	8.787	26.315	172.4	0.072
50	8.735	33.916	8.730	26.333	171.0	0.090
60	8.395	33.931	8.389	26.397	165.1	0.106
70	8.450	33.980	8.443	26.427	162.4	0.123
80	8.404	34.007	8.396	26.455	159.9	0.139
90	8.264	34.025	8.255	26.491	156.7	0.155
100	8.224	34.049	8.214	26.516	154.5	0.170
103	8.213	34.052	8.203	26.520	154.2	0.175

STA NO 170 COC5 LAT: 38 34.6 N LONG:123 33.3 W
 27 MAY 1981 0544 GMT PROBE 2567 DEPTH 137M
 15.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	10.111	33.755	10.110	25.982	203.3	0.000
10	10.110	33.754	10.109	25.981	203.6	0.020
20	9.925	33.743	9.922	26.004	201.6	0.041
30	9.433	33.784	9.429	26.118	191.0	0.060
40	8.973	33.835	8.968	26.232	180.4	0.079
50	8.837	33.864	8.832	26.276	176.4	0.097
60	8.634	33.864	8.628	26.307	173.6	0.114
70	8.681	33.941	8.674	26.361	168.7	0.131
80	8.634	33.956	8.626	26.380	167.1	0.148
90	8.422	33.967	8.413	26.422	163.3	0.165
100	8.319	34.010	8.308	26.471	158.8	0.181
110	8.274	34.037	8.263	26.499	156.3	0.197
120	8.172	34.049	8.160	26.524	154.1	0.212
130	8.138	34.050	8.125	26.530	153.7	0.227
134	8.138	34.050	8.125	26.530	153.8	0.234



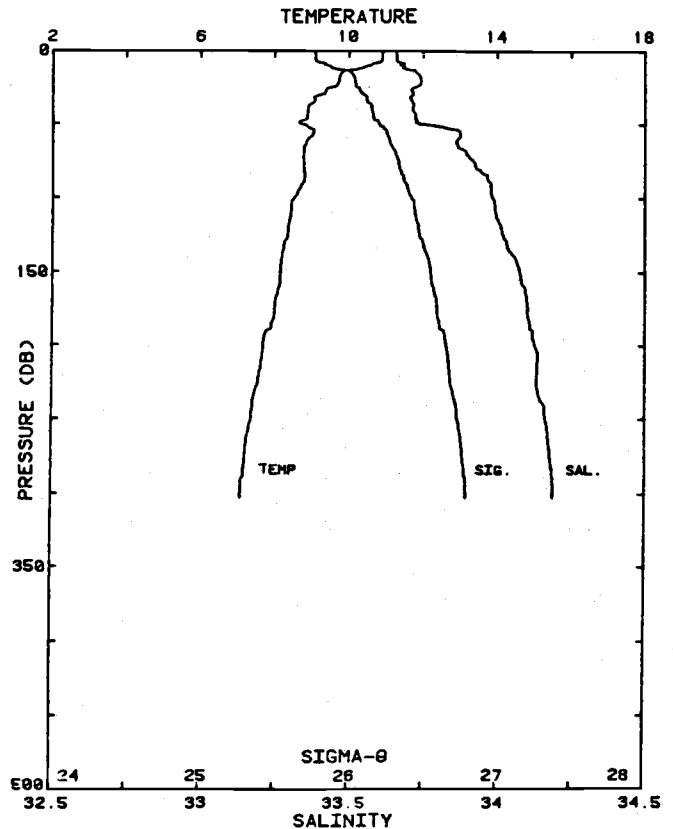
STATION 170 COC5



STATION 171 COC6

STA NO 171 COC6 LAT: 38 32.7 N LONG:123 36.2 W
 27 MAY 1981 0647 GMT PROBE 2567 DEPTH 149M
 21.5 KM FROM SHORE

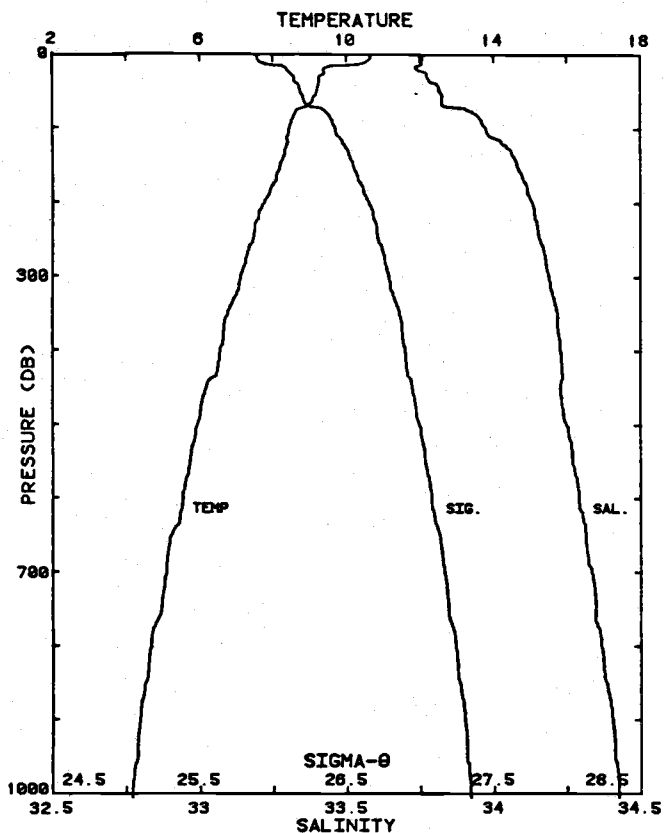
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
2	10.380	33.671	10.380	25.870	214.0	0.004
10	10.375	33.671	10.374	25.871	214.1	0.021
20	10.321	33.673	10.319	25.882	213.2	0.043
30	9.450	33.667	9.446	26.023	200.0	0.064
40	9.043	33.724	9.039	26.134	189.7	0.083
50	8.764	33.740	8.758	26.190	184.5	0.102
60	9.025	33.894	9.018	26.270	177.2	0.120
70	8.812	33.909	8.805	26.315	173.0	0.137
80	8.822	33.928	8.814	26.328	172.0	0.155
90	8.823	33.959	8.814	26.353	169.9	0.172
100	8.698	33.969	8.688	26.380	167.4	0.188
110	8.575	34.017	8.564	26.437	162.2	0.205
120	8.389	34.044	8.377	26.487	157.6	0.221
130	8.302	34.063	8.289	26.515	155.1	0.236
140	8.173	34.055	8.158	26.529	154.0	0.252
146	8.169	34.055	8.154	26.530	154.1	0.261



STATION 172 COC7

STA NO 172 COC7 LAT: 38 30.3 N LONG:123 39.6 W
 27 MAY 1981 0730 GMT PROBE 2567 DEPTH 312M
 27.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	10.914	33.661	10.913	25.769	223.6	0.002
10	10.600	33.672	10.599	25.833	217.7	0.022
20	9.724	33.743	9.722	26.038	198.4	0.043
30	9.327	33.718	9.324	26.084	194.2	0.062
40	8.878	33.713	8.874	26.151	188.0	0.081
50	8.661	33.734	8.656	26.202	183.4	0.100
60	8.892	33.867	8.886	26.270	177.2	0.118
70	8.767	33.896	8.759	26.312	173.3	0.136
80	8.767	33.927	8.759	26.336	171.2	0.153
90	8.746	33.976	8.736	26.378	167.5	0.170
100	8.515	33.982	8.505	26.419	163.7	0.186
110	8.422	33.993	8.410	26.442	161.7	0.202
120	8.350	34.011	8.338	26.467	159.5	0.218
130	8.250	34.031	8.237	26.498	156.7	0.234
140	8.181	34.056	8.167	26.529	154.1	0.250
150	8.131	34.074	8.116	26.550	152.1	0.265
175	7.981	34.101	7.964	26.594	148.4	0.303
200	7.681	34.126	7.661	26.658	142.7	0.339
225	7.534	34.132	7.512	26.684	140.6	0.375
250	7.362	34.162	7.338	26.733	136.3	0.409
300	7.089	34.188	7.061	26.792	131.4	0.476
303	7.091	34.188	7.063	26.792	131.5	0.480



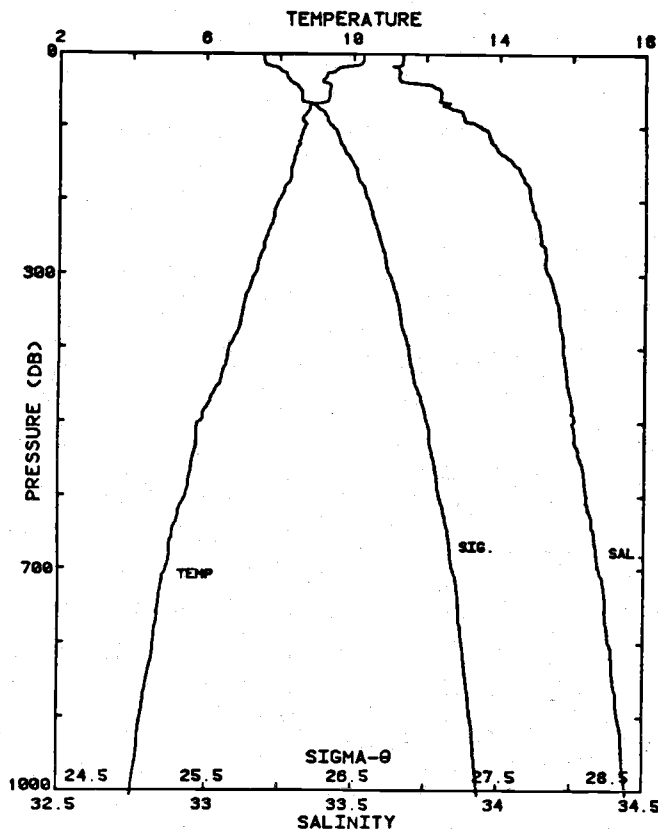
STATION 173 COC8

STA NO 173 COC8 LAT: 38 27.0 N LONG:123 44.5 W
 27 MAY 1981 0831 GHT PROBE 2567 DEPTH 1122M
 37.4 KM FROM SHORE

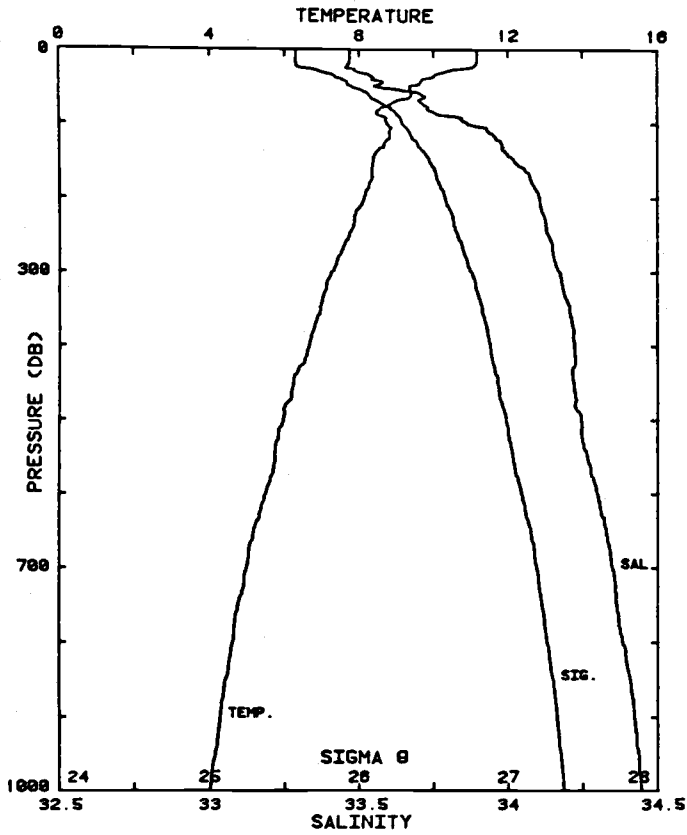
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.650	33.753	10.650	25.887	212.4	0.002
10	10.541	33.755	10.540	25.908	210.6	0.021
20	9.362	33.777	9.360	26.093	193.2	0.041
30	9.263	33.774	9.260	26.137	189.1	0.060
40	9.229	33.805	9.225	26.167	186.6	0.079
50	9.182	33.814	9.177	26.182	185.3	0.098
60	9.078	33.825	9.071	26.208	183.1	0.116
70	8.904	33.829	8.897	26.233	180.4	0.135
80	8.590	33.935	8.582	26.371	167.9	0.152
90	8.494	33.960	8.485	26.405	164.9	0.168
100	8.440	33.975	8.430	26.425	163.2	0.185
110	8.392	33.988	8.381	26.443	161.6	0.201
120	8.391	34.028	8.379	26.474	158.8	0.217
130	8.316	34.060	8.303	26.511	155.6	0.233
140	8.268	34.073	8.253	26.528	154.1	0.248
150	8.191	34.080	8.176	26.546	152.6	0.263
175	7.996	34.110	7.978	26.599	147.9	0.301
200	7.758	34.133	7.739	26.652	143.3	0.338
225	7.543	34.147	7.521	26.695	139.6	0.373
250	7.451	34.160	7.427	26.718	137.7	0.408
300	7.120	34.189	7.092	26.789	131.7	0.475
400	6.549	34.228	6.513	26.898	122.5	0.601
500	5.933	34.250	5.890	26.995	114.1	0.720
600	5.534	34.293	5.484	27.079	107.1	0.830
800	4.673	34.368	4.610	27.240	92.9	1.029
1000	4.168	34.427	4.092	27.343	84.2	1.205
1005	4.168	34.427	4.090	27.343	84.3	1.210

STA NO 174 COC9 LAT: 38 24.0 N LONG:123 49.0 W
 27 MAY 1981 0959 GHT PROBE 2567 DEPTH 1677M
 46.2 KM FROM SHORE LIN INT SAL. AT 519-528DB

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.277	33.664	10.277	25.882	212.8	0.002
10	10.262	33.668	10.261	25.888	212.4	0.021
20	9.605	33.653	9.603	25.987	203.2	0.042
30	9.263	33.656	9.260	26.045	197.9	0.062
40	9.195	33.686	9.191	26.080	194.8	0.082
50	9.350	33.796	9.345	26.141	189.3	0.101
60	9.332	33.799	9.325	26.146	189.0	0.120
70	8.864	33.816	8.857	26.234	180.7	0.139
80	8.754	33.869	8.746	26.293	175.3	0.157
90	8.608	33.879	8.599	26.324	172.6	0.174
100	8.668	33.937	8.657	26.360	169.4	0.191
110	8.595	33.964	8.584	26.393	166.4	0.208
120	8.503	33.969	8.490	26.411	164.9	0.224
130	8.447	33.991	8.434	26.437	162.6	0.241
140	8.374	34.022	8.360	26.473	159.4	0.257
150	8.334	34.047	8.319	26.498	157.2	0.273
175	8.245	34.086	8.227	26.543	153.4	0.311
200	7.965	34.107	7.945	26.602	148.1	0.349
225	7.818	34.129	7.796	26.641	144.8	0.386
250	7.607	34.141	7.582	26.681	141.3	0.421
300	7.298	34.168	7.269	26.747	135.8	0.491
400	6.620	34.219	6.584	26.881	124.2	0.620
500	5.837	34.255	5.795	27.011	112.6	0.739
600	5.452	34.301	5.402	27.095	105.4	0.848
800	4.572	34.380	4.509	27.260	90.8	1.042
1000	3.996	34.442	3.920	27.373	81.0	1.213
1006	3.968	34.442	3.892	27.376	80.7	1.218



STATION 174 COC9



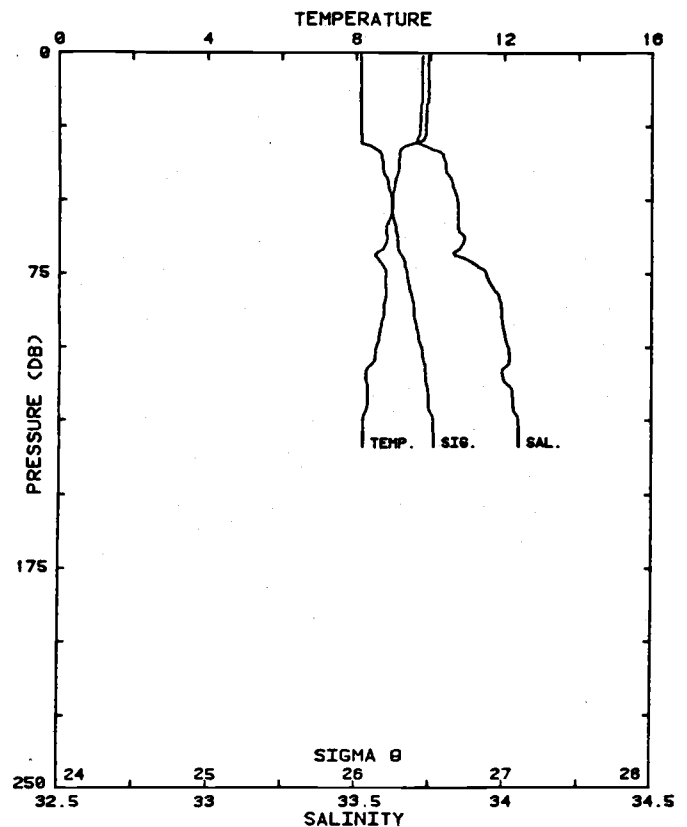
STATION 175 COC10

STA NO 175 COC10 LAT: 38 20.8 N LONG:123 54.6 W
 27 MAY 1981 1133 GMT PROBE 2567 DEPTH 2302M
 55.9 KM FROM SHORE

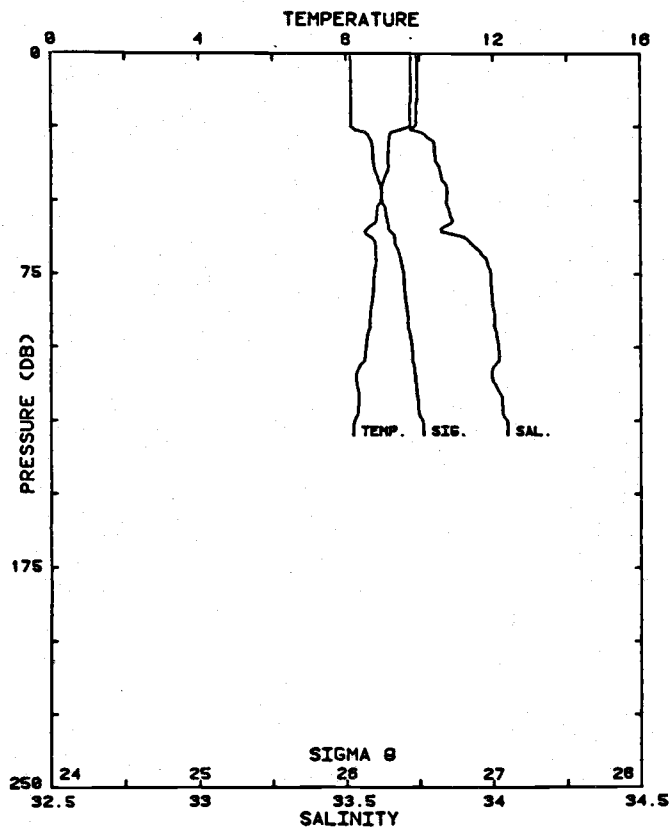
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.163	33.470	11.163	25.575	242.0	0.002
10	11.164	33.469	11.163	25.575	242.2	0.024
20	11.134	33.466	11.132	25.578	242.1	0.048
30	10.388	33.437	10.384	25.726	228.3	0.072
40	9.841	33.551	9.836	25.869	214.9	0.094
50	9.396	33.551	9.390	25.942	208.1	0.115
60	9.411	33.706	9.404	26.061	197.0	0.136
70	8.993	33.700	8.986	26.123	191.3	0.155
80	8.561	33.730	8.553	26.215	182.7	0.174
90	8.596	33.802	8.587	26.265	178.1	0.192
100	8.751	33.863	8.740	26.289	176.1	0.210
110	8.817	33.930	8.805	26.332	172.3	0.227
120	8.811	33.960	8.799	26.356	170.2	0.244
130	8.658	33.977	8.645	26.395	166.7	0.261
140	8.453	33.989	8.438	26.435	163.0	0.277
150	8.372	34.019	8.356	26.471	159.8	0.294
175	8.330	34.074	8.312	26.521	155.5	0.333
200	8.132	34.103	8.112	26.574	150.7	0.371
225	7.875	34.120	7.853	26.625	146.3	0.408
250	7.727	34.134	7.703	26.658	143.6	0.445
300	7.280	34.173	7.251	26.753	135.2	0.514
400	6.667	34.222	6.631	26.877	124.6	0.644
500	5.979	34.244	5.935	26.985	115.2	0.764
600	5.499	34.299	5.449	27.088	106.2	0.875
800	4.612	34.383	4.549	27.259	91.0	1.070
1000	3.996	34.446	3.920	27.375	80.8	1.240
1001	3.993	34.446	3.917	27.376	80.7	1.241

STA NO 176 COC5 LAT: 38 34.6 N LONG:123 33.3 W
 27 MAY 1981 1500 GMT PROBE 2567 DEPTH 137M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.781	33.742	9.781	26.027	199.0	0.002
10	9.770	33.743	9.769	26.029	199.0	0.020
20	9.731	33.737	9.728	26.032	199.0	0.040
30	9.644	33.724	9.641	26.036	198.8	0.060
40	9.132	33.801	9.128	26.180	185.3	0.079
50	8.972	33.841	8.967	26.237	180.1	0.097
60	8.810	33.845	8.804	26.265	177.6	0.115
70	8.572	33.863	8.564	26.316	172.9	0.132
80	8.798	33.963	8.790	26.360	169.0	0.149
90	8.730	33.992	8.721	26.393	166.0	0.166
100	8.541	34.012	8.530	26.438	161.9	0.183
110	8.249	33.994	8.238	26.469	159.1	0.199
120	8.298	34.031	8.286	26.490	157.3	0.214
130	8.173	34.048	8.160	26.523	154.4	0.230
134	8.172	34.048	8.158	26.523	154.4	0.236



STATION 176 COC5



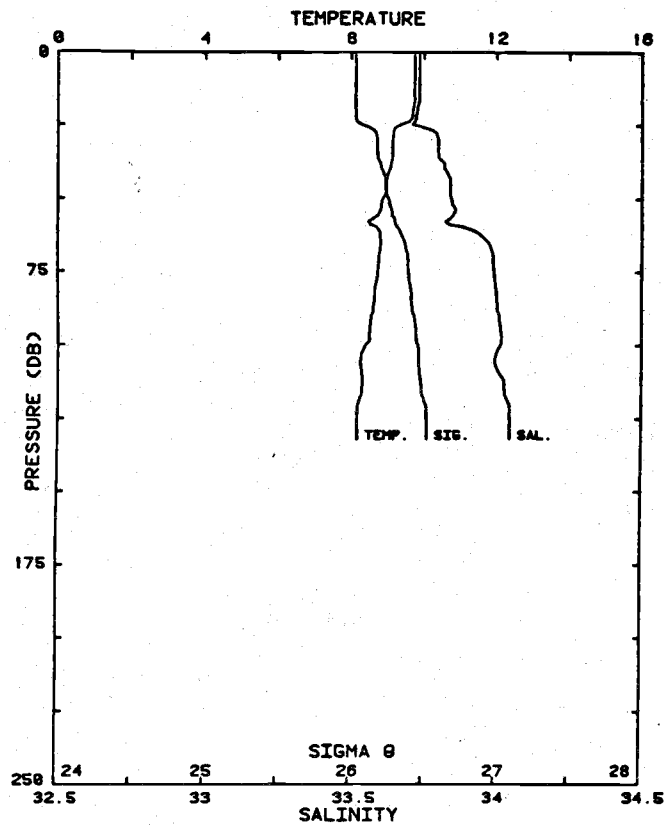
STATION 177 COCS

STA NO 177 COCS LAT: 38 34.6 N LONG: 123 33.3 W
27 MAY 1981 1600 GMT PROBE 2567 DEPTH 137M

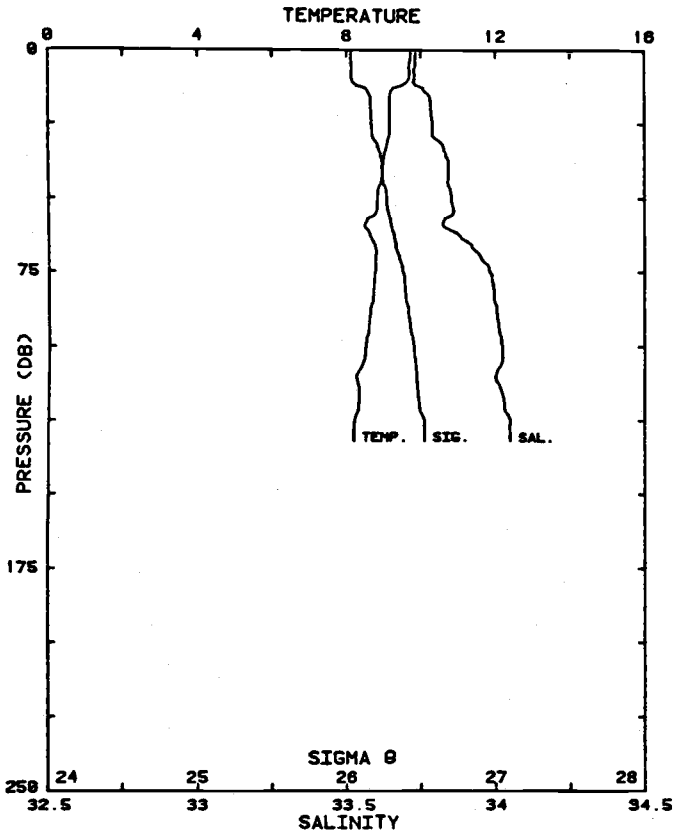
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.751	33.738	9.751	26.029	198.7	0.002
10	9.750	33.742	9.749	26.032	198.7	0.020
20	9.728	33.738	9.726	26.033	198.9	0.040
30	9.155	33.795	9.152	26.171	186.0	0.059
40	9.130	33.817	9.126	26.192	184.1	0.078
50	8.937	33.842	8.932	26.243	179.6	0.096
60	8.561	33.821	8.555	26.285	175.6	0.114
70	8.804	33.974	8.797	26.367	168.1	0.131
80	8.726	33.993	8.718	26.394	165.7	0.147
90	8.636	34.002	8.627	26.416	163.9	0.164
100	8.525	34.016	8.514	26.444	161.4	0.180
110	8.256	33.994	8.245	26.468	159.2	0.196
120	8.313	34.029	8.301	26.487	157.6	0.212
130	8.173	34.047	8.160	26.523	154.4	0.228

STA NO 178 COCS LAT: 38 34.6 N LONG: 123 33.3 W
27 MAY 1981 1620 GMT PROBE 2567 DEPTH 137M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.733	33.734	9.733	26.028	198.9	0.002
10	9.735	33.734	9.733	26.029	199.1	0.020
20	9.685	33.726	9.683	26.030	199.1	0.040
30	9.134	33.798	9.131	26.177	185.4	0.059
40	9.063	33.821	9.059	26.207	182.8	0.078
50	8.857	33.843	8.852	26.256	178.3	0.096
60	8.694	33.886	8.688	26.315	172.8	0.113
70	8.744	33.986	8.737	26.386	166.3	0.130
80	8.662	33.995	8.654	26.406	164.6	0.147
90	8.558	34.008	8.549	26.432	162.3	0.163
100	8.398	34.014	8.388	26.462	159.7	0.179
110	8.317	34.014	8.306	26.474	158.7	0.195
120	8.206	34.045	8.194	26.515	154.9	0.211
130	8.172	34.047	8.159	26.523	154.4	0.226
132	8.172	34.047	8.158	26.523	154.4	0.229



STATION 178 COCS



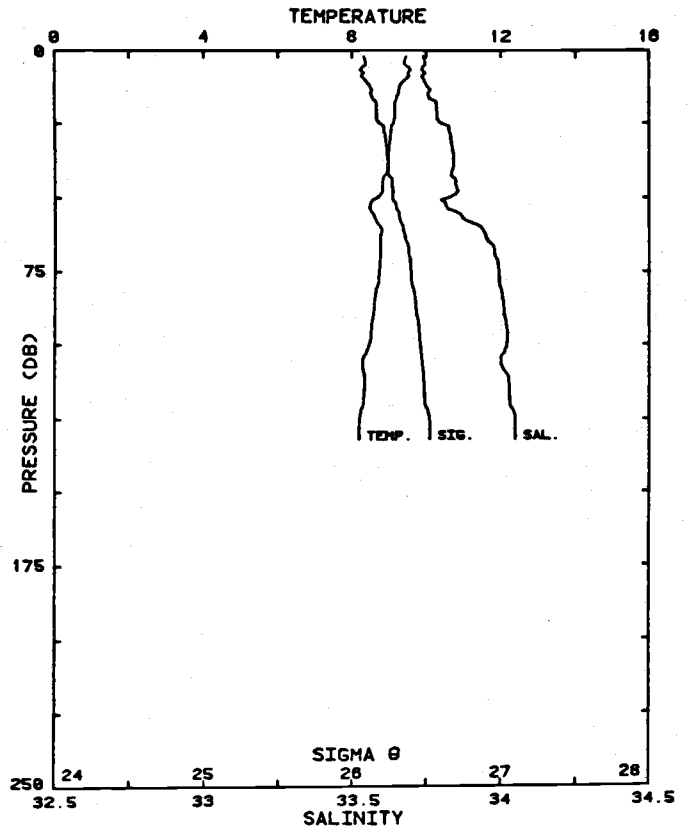
STATION 179 COCS

STA NO 179 COCS LAT: 38 34.6 N LONG:123 33.3 W
 27 MAY 1981 1640 GMT PROBE 2567 DEPTH 137M

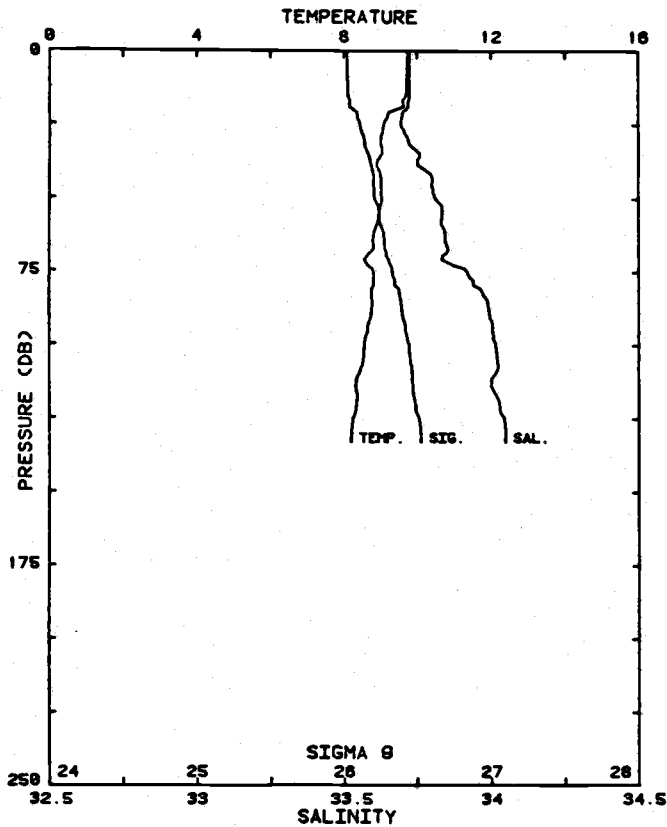
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.736	33.733	9.736	26.027	199.0	0.002
10	9.677	33.729	9.675	26.034	198.5	0.020
20	9.149	33.783	9.147	26.162	186.6	0.039
30	9.113	33.795	9.110	26.178	185.3	0.057
40	8.963	33.841	8.959	26.238	179.8	0.076
50	8.818	33.850	8.813	26.268	177.1	0.094
60	8.482	33.827	8.476	26.302	174.0	0.111
70	8.769	33.948	8.762	26.353	169.5	0.128
80	8.734	33.992	8.726	26.392	165.9	0.145
90	8.624	34.004	8.615	26.419	163.5	0.161
100	8.505	34.021	8.495	26.451	160.7	0.178
110	8.252	33.999	8.241	26.472	158.8	0.194
120	8.304	34.029	8.292	26.489	157.5	0.210
130	8.176	34.048	8.163	26.522	154.4	0.225
132	8.175	34.048	8.162	26.522	154.5	0.228

STA NO 180 COCS LAT: 38 34.6 N LONG:123 33.3 W
 27 MAY 1981 1700 GMT PROBE 2567 DEPTH 137M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	9.448	33.739	9.448	26.080	194.1	0.004
10	9.451	33.738	9.450	26.079	194.3	0.019
20	9.148	33.785	9.146	26.164	186.4	0.038
30	9.010	33.832	9.007	26.223	181.0	0.057
40	8.946	33.839	8.942	26.239	179.7	0.075
50	8.699	33.830	8.694	26.271	176.8	0.093
60	8.752	33.929	8.746	26.340	170.5	0.110
70	8.744	33.979	8.737	26.381	166.8	0.127
80	8.677	33.996	8.668	26.404	164.8	0.143
90	8.564	34.011	8.555	26.434	162.1	0.160
100	8.452	34.018	8.442	26.457	160.1	0.176
110	8.313	34.019	8.302	26.479	158.2	0.192
120	8.295	34.030	8.283	26.491	157.3	0.207
130	8.176	34.047	8.163	26.522	154.5	0.223
132	8.176	34.047	8.163	26.522	154.5	0.226



STATION 180 COCS



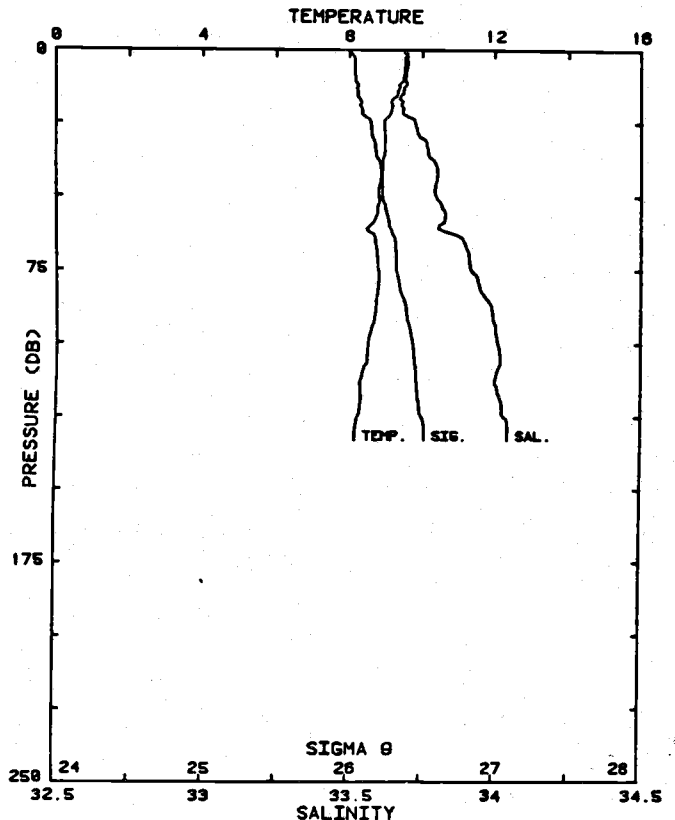
STATION 181 COCS

STA NO 181 COCS LAT: 38 34.6 N LONG:123 33.3 W
27 MAY 1981 1800 GMT PROBE 2567 DEPTH 137M

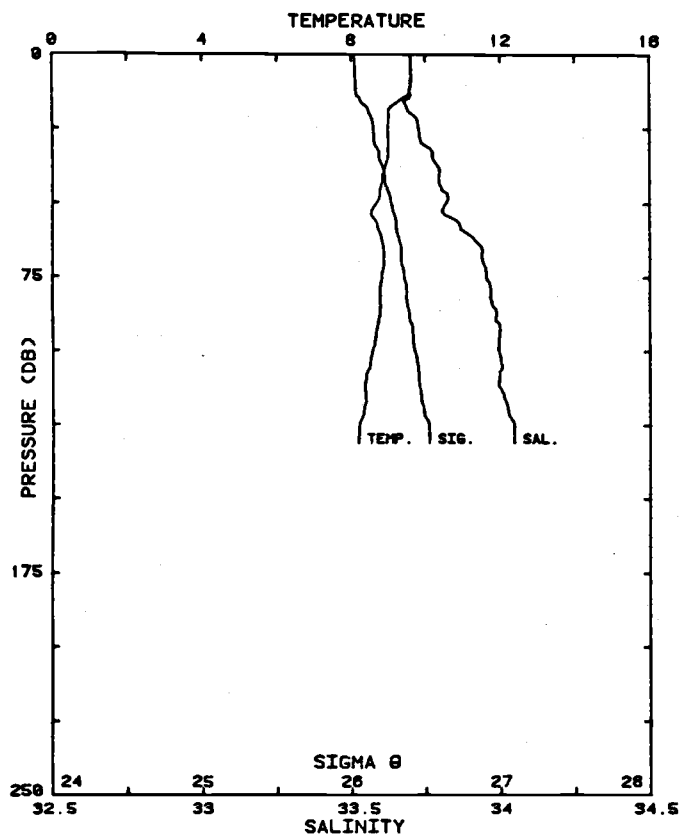
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
0	9.740	33.724	9.740	26.020	199.7	0.000
10	9.717	33.723	9.716	26.023	199.6	0.020
20	9.422	33.711	9.420	26.062	196.1	0.040
30	8.993	33.718	8.990	26.137	189.2	0.059
40	8.917	33.769	8.912	26.189	184.4	0.078
50	9.014	33.810	9.008	26.206	183.0	0.096
60	8.852	33.836	8.846	26.252	178.9	0.114
70	8.607	33.834	8.600	26.288	175.6	0.132
80	8.780	33.940	8.772	26.344	170.4	0.149
90	8.719	33.993	8.710	26.396	165.8	0.166
100	8.527	34.013	8.517	26.441	161.6	0.182
110	8.390	34.012	8.379	26.462	159.9	0.198
120	8.317	34.026	8.305	26.484	157.9	0.214
130	8.183	34.046	8.169	26.520	154.7	0.230
133	8.179	34.046	8.166	26.521	154.6	0.234

STA NO 182 COCS LAT: 38 34.6 N LONG:123 33.3 W
27 MAY 1981 1900 GMT PROBE 2567 DEPTH 137M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		THETA			
1	9.597	33.686	9.597	26.013	200.3	0.002
10	9.460	33.691	9.459	26.041	197.9	0.020
20	9.161	33.685	9.159	26.084	194.0	0.039
30	8.983	33.742	8.979	26.157	187.3	0.058
40	8.912	33.800	8.908	26.214	182.1	0.077
50	8.803	33.797	8.798	26.228	180.9	0.095
60	8.576	33.808	8.570	26.273	176.9	0.113
70	8.776	33.910	8.769	26.321	172.4	0.130
80	8.805	33.945	8.796	26.344	170.5	0.147
90	8.718	33.993	8.709	26.396	165.7	0.164
100	8.534	34.011	8.523	26.439	161.8	0.181
110	8.381	34.008	8.369	26.460	160.0	0.197
120	8.331	34.023	8.318	26.480	158.3	0.213
130	8.182	34.045	8.169	26.520	154.7	0.228
133	8.179	34.045	8.166	26.520	154.7	0.233



STATION 182 COCS

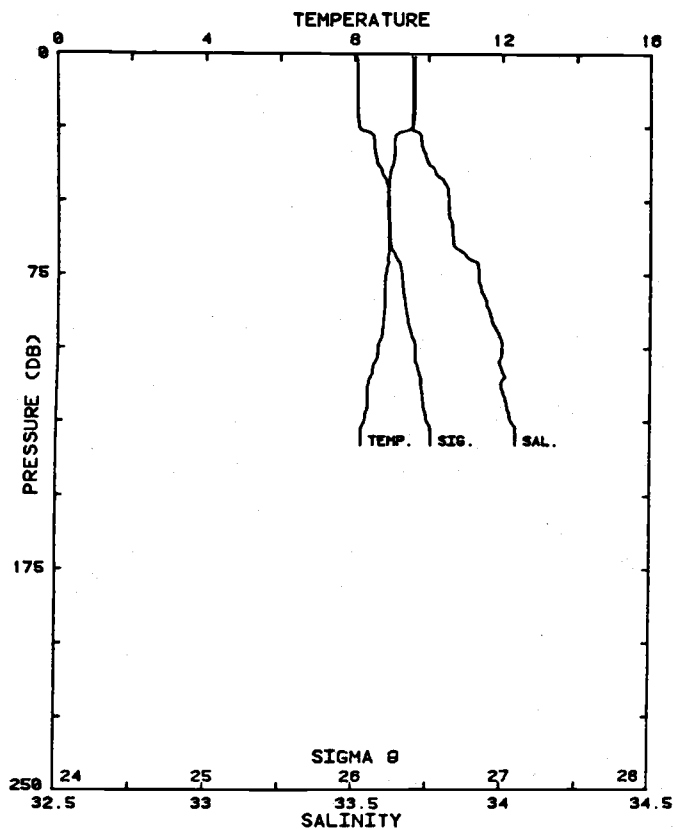


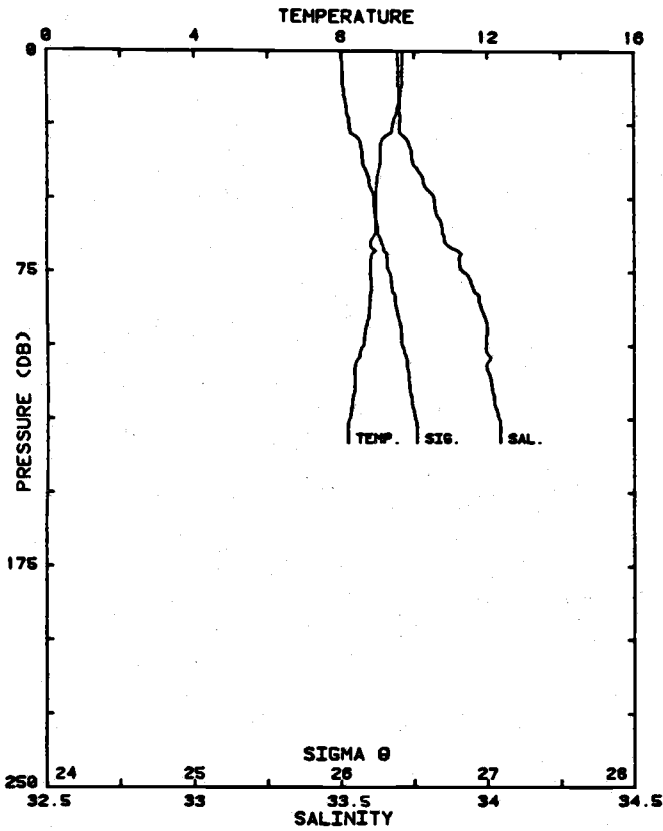
STA NO 183 COCS LAT: 38 34.6 N LONG:123 33.3 W
27 MAY 1981 2000 GHT PROBE 2567 DEPTH 135M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
0	9.622	33.696	9.622	26.017	199.9	0.000
10	9.589	33.701	9.588	26.027	199.2	0.020
20	8.996	33.699	8.994	26.121	190.4	0.040
30	8.990	33.736	8.987	26.151	187.8	0.058
40	8.845	33.795	8.841	26.220	181.5	0.077
50	8.674	33.818	8.669	26.265	177.4	0.095
60	8.751	33.881	8.744	26.303	174.0	0.112
70	8.850	33.939	8.842	26.333	171.4	0.130
80	8.761	33.967	8.752	26.369	168.2	0.146
90	8.703	33.984	8.694	26.391	166.2	0.163
100	8.538	33.989	8.528	26.421	163.6	0.180
110	8.371	33.993	8.360	26.450	161.0	0.196
120	8.311	34.023	8.299	26.483	158.1	0.212
130	8.181	34.044	8.167	26.519	154.8	0.227
131	8.180	34.044	8.167	26.519	154.8	0.229

STA NO 184 COCS LAT: 38 34.6 N LONG:123 33.3 W
27 MAY 1981 2100 GHT PROBE 2567 DEPTH 137M

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	9.630	33.693	9.629	26.014	200.3	0.002
10	9.617	33.696	9.616	26.018	200.0	0.020
20	9.619	33.696	9.617	26.018	200.3	0.040
30	9.062	33.724	9.059	26.131	189.8	0.060
40	8.964	33.771	8.959	26.183	185.0	0.078
50	8.890	33.818	8.885	26.231	180.6	0.097
60	8.922	33.830	8.916	26.236	180.4	0.115
70	8.886	33.891	8.879	26.287	175.5	0.133
80	8.815	33.928	8.807	26.330	171.9	0.150
90	8.790	33.964	8.780	26.362	169.0	0.167
100	8.643	33.997	8.633	26.411	164.6	0.184
110	8.446	34.009	8.435	26.450	160.9	0.200
120	8.367	34.015	8.354	26.468	159.4	0.216
130	8.186	34.043	8.173	26.517	154.9	0.232
133	8.183	34.043	8.170	26.518	154.9	0.236





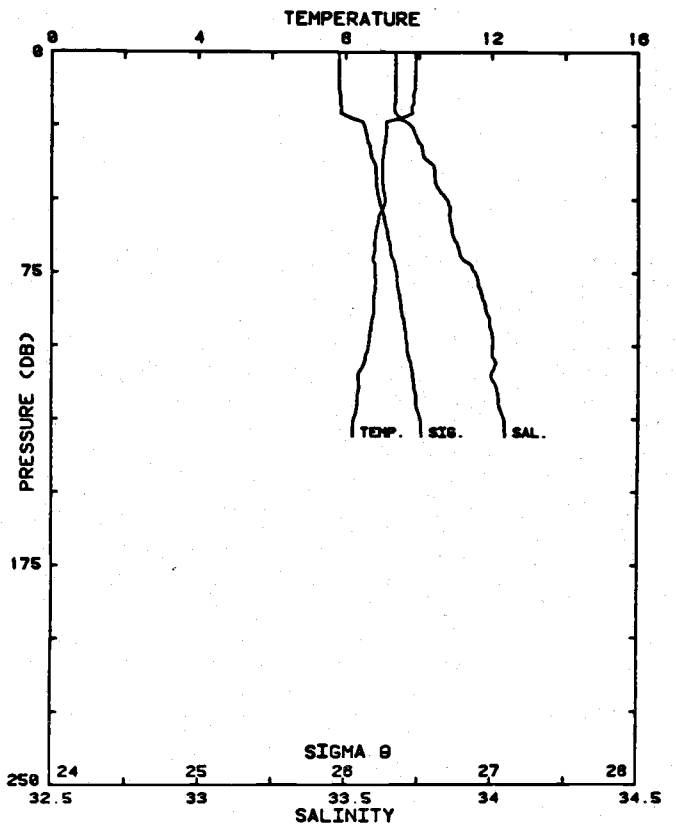
STATION 185 COCS

STA NO 185 COCS LAT: 38 34.6 N LONG:123 33.3 W
 27 MAY 1981 2200 GMT PROBE 2567 DEPTH 137M

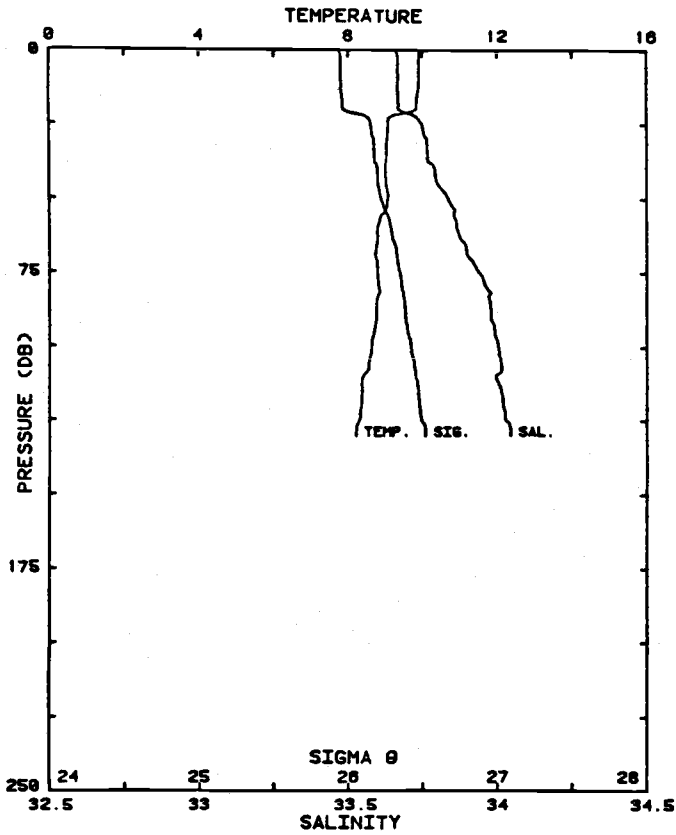
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.684	33.692	9.683	26.004	201.2	0.000
10	9.669	33.696	9.668	26.010	200.9	0.020
20	9.510	33.697	9.508	26.037	198.5	0.040
30	9.126	33.723	9.123	26.119	190.9	0.060
40	9.034	33.757	9.030	26.161	187.1	0.079
50	8.949	33.816	8.944	26.221	181.6	0.097
60	8.925	33.845	8.918	26.248	179.3	0.115
70	8.808	33.902	8.801	26.310	173.5	0.133
80	8.818	33.947	8.809	26.344	170.5	0.150
90	8.751	33.987	8.741	26.386	166.7	0.167
100	8.613	33.994	8.602	26.413	164.3	0.183
110	8.364	34.005	8.353	26.460	160.0	0.200
120	8.304	34.023	8.291	26.484	157.9	0.215
130	8.186	34.043	8.173	26.517	154.9	0.231
133	8.185	34.043	8.172	26.517	154.9	0.236

STA NO 186 COCS LAT: 38 34.6 N LONG:123 33.5 W
 27 MAY 1981 2300 GMT PROBE 2567 DEPTH 137M
 LIN INT SAL. AT 82-83DB

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	9.896	33.668	9.896	25.950	206.4	0.000
10	9.880	33.669	9.879	25.953	206.2	0.021
20	9.783	33.664	9.781	25.966	205.2	0.041
30	9.064	33.743	9.060	26.145	188.4	0.061
40	8.983	33.800	8.979	26.203	183.1	0.079
50	9.055	33.842	9.050	26.224	181.3	0.097
60	8.830	33.860	8.824	26.274	176.8	0.115
70	8.738	33.893	8.730	26.314	173.1	0.133
80	8.799	33.953	8.790	26.352	169.7	0.150
90	8.743	33.986	8.734	26.386	166.7	0.167
100	8.616	34.001	8.605	26.419	163.8	0.183
110	8.336	33.996	8.325	26.457	160.2	0.199
120	8.313	34.022	8.300	26.481	158.1	0.215
130	8.191	34.043	8.178	26.516	155.0	0.231
131	8.189	34.043	8.176	26.517	155.0	0.233



STATION 186 COCS



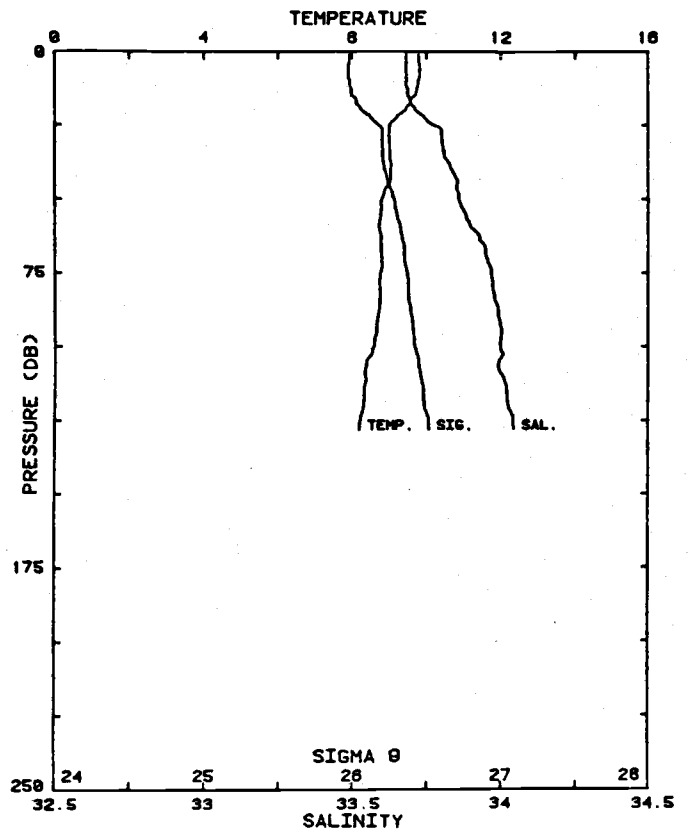
STATION 187 COCS

STA NO 187 COCS LAT: 38 34.6 N LONG:123 33.3 W
 27 MAY 1981 2359 GMT PROBE 2567 DEPTH 138M

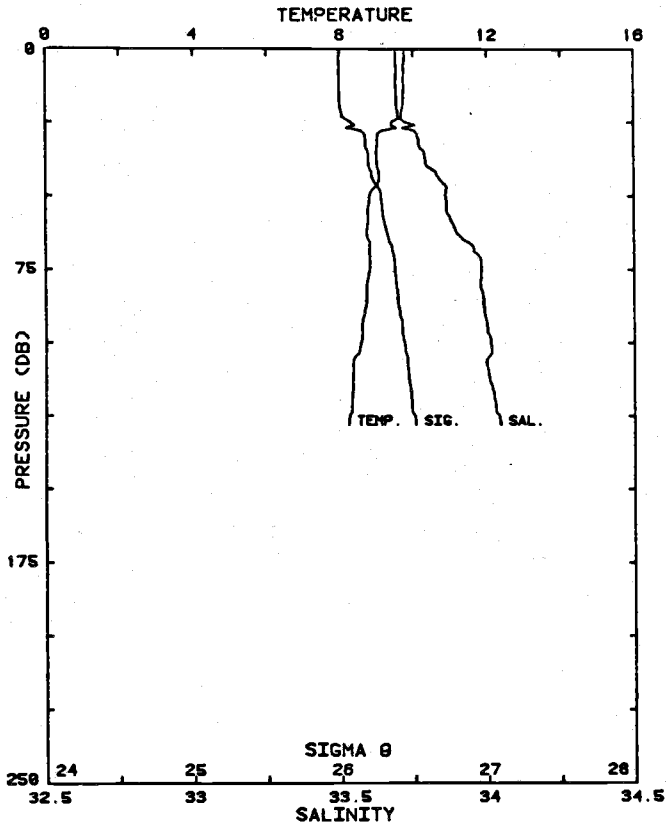
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.905	33.662	9.905	25.944	206.9	0.002
10	9.895	33.667	9.894	25.949	206.6	0.021
20	9.835	33.668	9.833	25.961	205.8	0.041
30	9.023	33.762	9.020	26.166	186.4	0.060
40	8.987	33.789	8.982	26.193	184.0	0.079
50	9.055	33.833	9.050	26.217	182.0	0.097
60	8.770	33.861	8.764	26.284	175.8	0.115
70	8.723	33.905	8.716	26.326	172.0	0.133
80	8.808	33.961	8.799	26.357	169.3	0.150
90	8.740	33.979	8.731	26.381	167.2	0.166
100	8.614	34.003	8.604	26.420	163.6	0.183
110	8.379	33.993	8.367	26.449	161.1	0.199
120	8.326	34.019	8.314	26.477	158.5	0.215
130	8.193	34.043	8.180	26.516	155.0	0.231

STA NO 188 COCS LAT: 38 34.6 N LONG:123 33.3 W
 28 MAY 1981 0100 GMT PROBE 2567 DEPTH 137M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.778	33.682	9.778	25.980	203.5	0.002
10	9.775	33.685	9.774	25.983	203.4	0.020
20	9.431	33.712	9.429	26.062	196.1	0.040
30	8.992	33.801	8.989	26.202	183.0	0.059
40	9.041	33.833	9.036	26.219	181.6	0.077
50	8.792	33.858	8.787	26.279	176.1	0.095
60	8.714	33.901	8.708	26.324	172.0	0.113
70	8.798	33.954	8.790	26.353	169.5	0.130
80	8.740	33.973	8.732	26.377	167.4	0.147
90	8.691	33.992	8.682	26.400	165.4	0.163
100	8.592	33.997	8.582	26.419	163.7	0.180
110	8.358	34.005	8.347	26.461	159.9	0.196
120	8.301	34.025	8.289	26.485	157.8	0.212
128	8.194	34.043	8.181	26.516	155.0	0.224



STATION 188 COCS



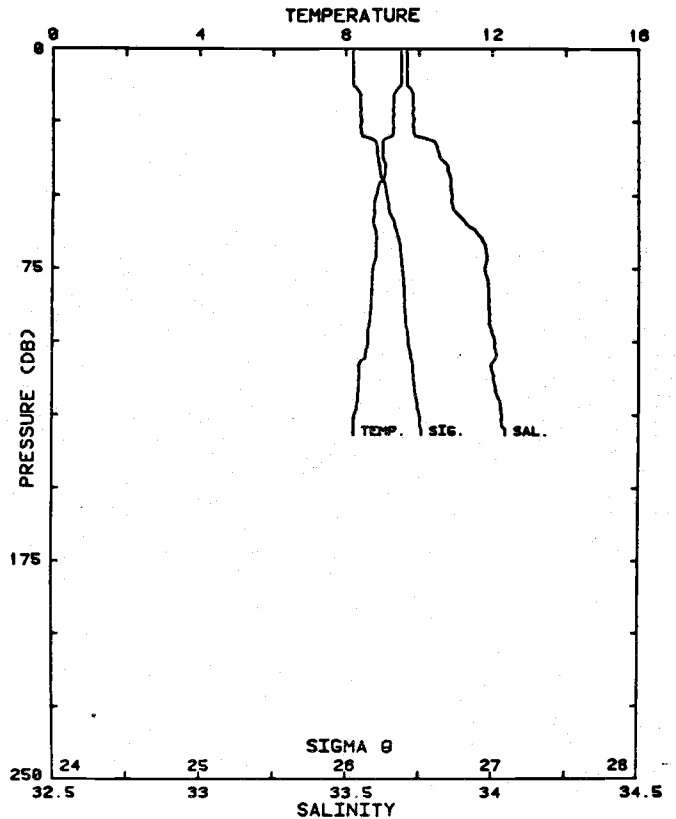
STATION 189 COCS

STA NO 189 COCS LAT: 38 34.6 N LONG:123 33.3 W
 28 MAY 1981 0200 GHT PROBE 2567 DEPTH 137M

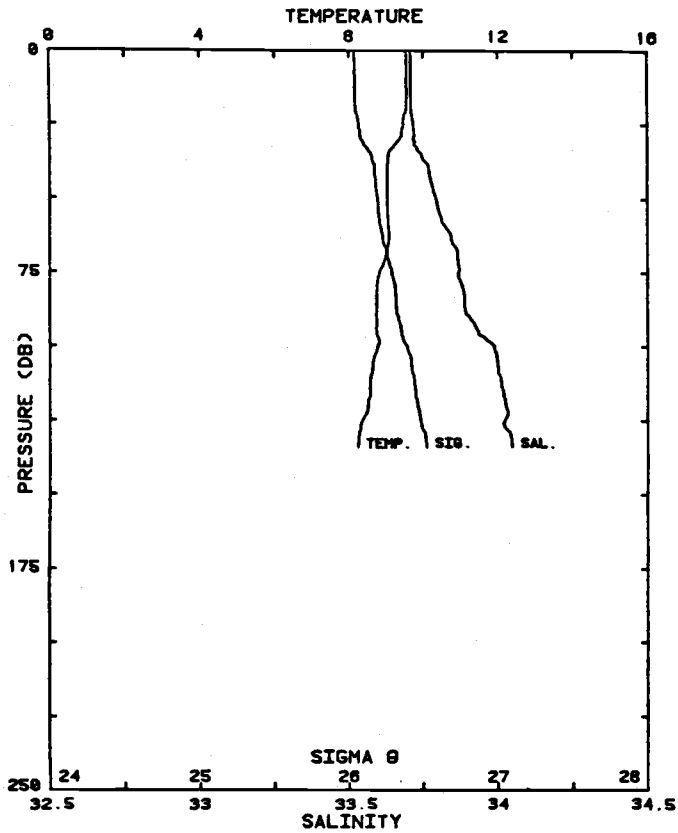
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.752	33.690	9.751	25.992	202.4	0.002
10	9.730	33.691	9.729	25.996	202.2	0.020
20	9.712	33.693	9.710	26.001	201.9	0.040
30	9.018	33.764	9.015	26.169	186.1	0.060
40	9.006	33.795	9.001	26.195	183.9	0.079
50	8.795	33.857	8.790	26.277	176.2	0.097
60	8.742	33.885	8.736	26.307	173.6	0.114
70	8.799	33.967	8.792	26.363	168.5	0.131
80	8.718	33.975	8.710	26.382	166.9	0.148
90	8.652	33.990	8.643	26.404	165.0	0.165
100	8.558	34.011	8.548	26.435	162.3	0.181
110	8.335	34.002	8.324	26.462	159.8	0.197
120	8.306	34.025	8.294	26.485	157.9	0.213
128	8.213	34.043	8.200	26.513	155.2	0.225

STA NO 190 COCS LAT: 38 34.6 N LONG:123 33.3 W
 28 MAY 1981 0300 GHT PROBE 2567 DEPTH 137M

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.503	33.707	9.503	26.046	197.2	0.002
10	9.503	33.707	9.502	26.046	197.5	0.020
20	9.295	33.727	9.292	26.096	192.9	0.039
30	9.244	33.735	9.241	26.110	191.7	0.058
40	9.068	33.847	9.063	26.226	180.9	0.077
50	8.824	33.861	8.819	26.275	176.4	0.095
60	8.741	33.911	8.735	26.328	171.6	0.112
70	8.808	33.979	8.800	26.370	167.8	0.129
80	8.697	33.985	8.689	26.393	165.9	0.146
90	8.661	33.987	8.651	26.401	165.2	0.162
100	8.598	34.007	8.588	26.426	163.1	0.179
110	8.355	33.998	8.344	26.456	160.4	0.195
120	8.310	34.023	8.297	26.483	158.0	0.211
130	6.261	34.043	8.188	26.515	155.1	0.226
132	8.200	34.044	8.187	26.516	155.1	0.230



STATION 190 COCS



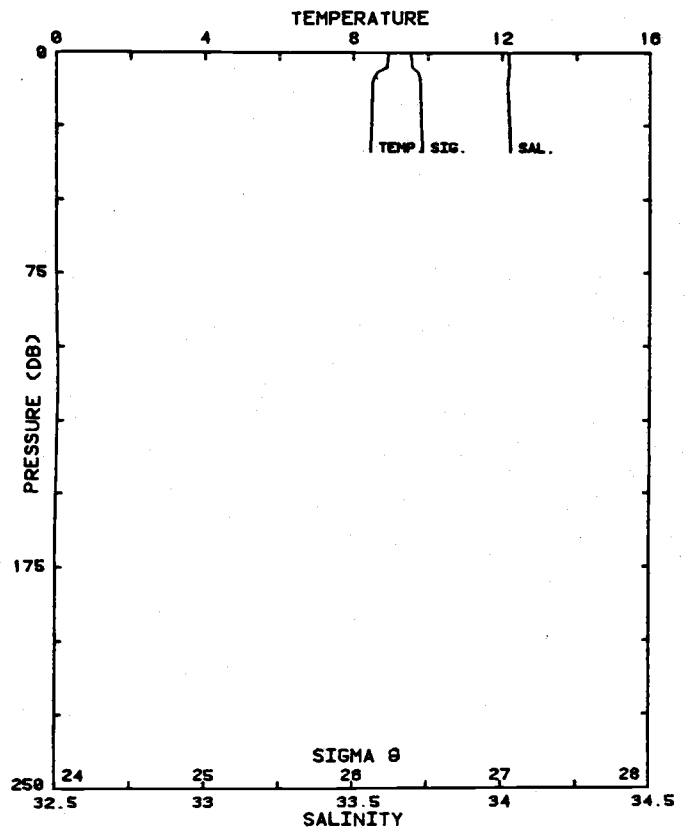
STATION 191 COCS

STA NO 191 COCS LAT: 38 34.6 N LONG: 123 33.3 W
 28 MAY 1981 0400 GMT PROBE 2567 DEPTH 138M

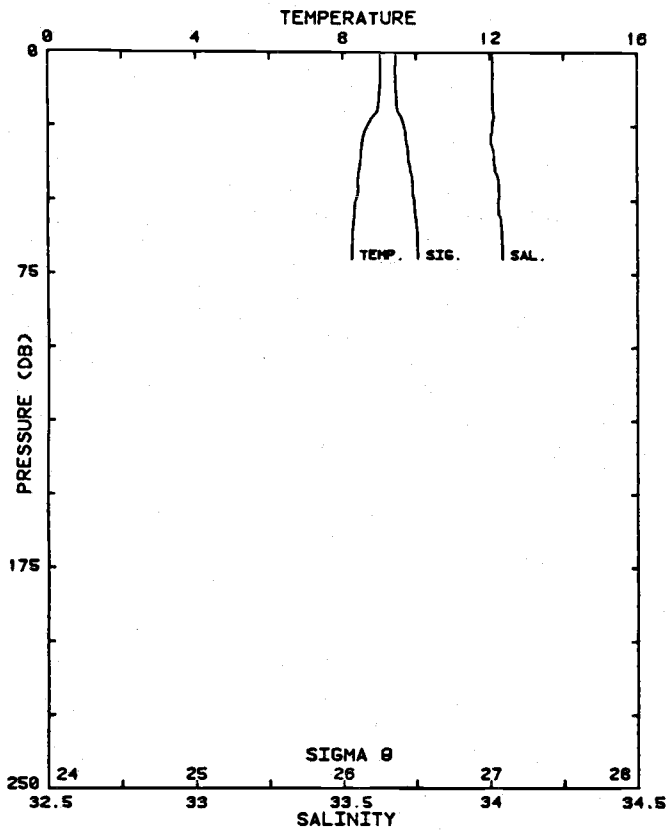
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	9.553	33.709	9.552	26.039	197.9	0.002
10	9.546	33.709	9.545	26.040	198.0	0.020
20	9.537	33.709	9.535	26.042	198.0	0.040
30	9.357	33.715	9.354	26.076	195.0	0.059
40	9.020	33.767	9.016	26.171	186.1	0.078
50	9.020	33.791	9.015	26.190	184.6	0.097
60	9.051	33.824	9.045	26.211	182.8	0.115
70	8.964	33.861	8.956	26.254	178.9	0.133
80	8.728	33.879	8.720	26.305	174.2	0.151
90	8.710	33.902	8.700	26.326	172.4	0.168
100	8.745	33.985	8.735	26.386	166.9	0.185
110	8.560	34.004	8.548	26.430	162.7	0.202
120	8.484	34.025	8.472	26.457	160.5	0.218
130	8.235	34.041	8.222	26.508	155.7	0.234
134	8.212	34.045	8.199	26.515	155.2	0.240

STA NO 192 COC1 LAT: 38 39.8 N LONG: 123 25.7 W
 28 MAY 1981 1306 GMT PROBE 2567 DEPTH 34M
 1.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	8.951	34.022	8.951	26.381	165.4	0.000
10	8.512	34.019	8.511	26.447	159.3	0.016
20	8.489	34.020	8.487	26.451	159.1	0.032
30	8.465	34.025	8.462	26.459	158.6	0.048
34	8.454	34.026	8.450	26.462	158.4	0.054



STATION 192 COC1



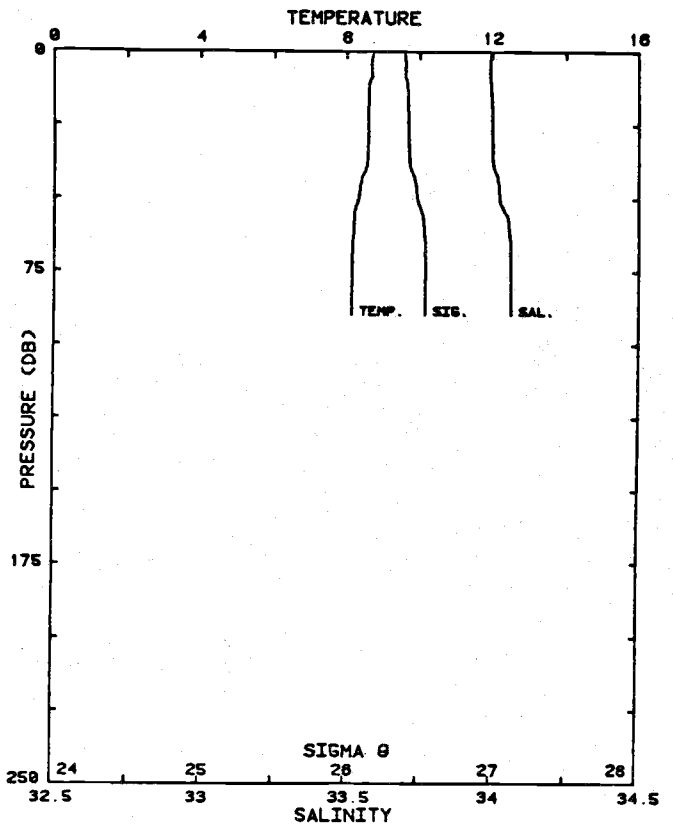
STATION 193 COC2

STA NO 193 COC2 LAT: 38 38.8 N LONG:123 26.9 W
 28 MAY 1981 1330 GMT PROBE 2567 DEPTH 74M
 3.5 KM FROM SHORE

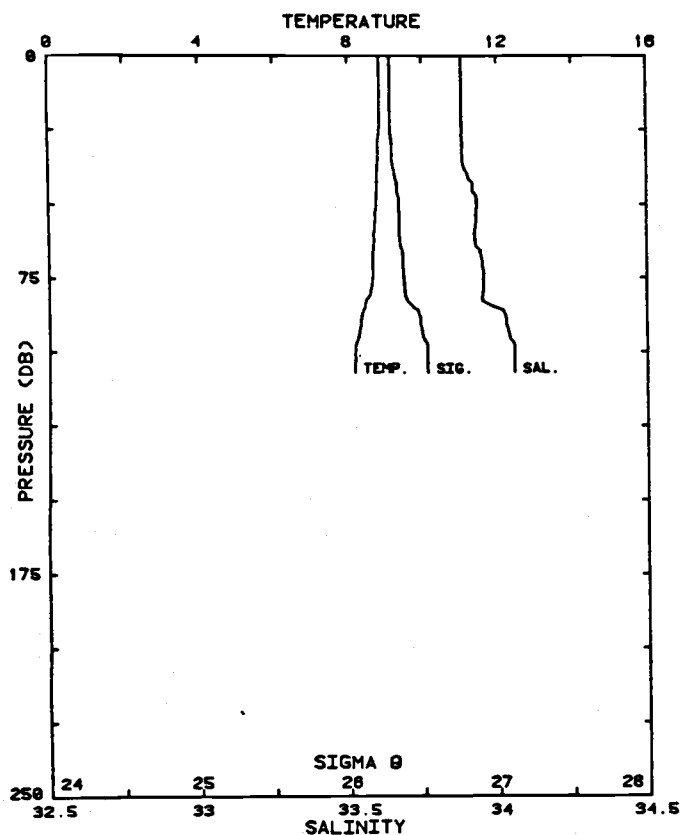
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DEL D
	TEMP		THETA			
1	9.016	34.009	9.016	26.360	167.4	0.002
10	9.019	34.008	9.018	26.359	167.7	0.017
20	8.938	34.010	8.935	26.373	166.5	0.033
30	8.515	34.002	8.511	26.433	161.0	0.050
40	8.430	34.017	8.426	26.459	158.8	0.066
50	8.325	34.028	8.320	26.484	156.6	0.082
60	8.253	34.038	8.247	26.502	155.1	0.097
70	8.218	34.041	8.211	26.510	154.5	0.113

STA NO 194 COC3 LAT: 38 37.5 N LONG:123 28.9 W
 28 MAY 1981 1416 GMT PROBE 2567 DEPTH 93M
 6.7 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DEL D
	TEMP		THETA			
1	8.710	33.994	8.710	26.396	164.0	0.002
10	8.632	33.992	8.631	26.407	163.1	0.016
20	8.584	33.997	8.583	26.418	162.2	0.033
30	8.579	33.998	8.576	26.421	162.2	0.049
40	8.519	34.004	8.515	26.434	161.1	0.065
50	8.322	34.023	8.317	26.480	157.0	0.081
60	8.177	34.055	8.171	26.527	152.7	0.096
70	8.133	34.061	8.126	26.538	151.8	0.111
80	8.134	34.062	8.126	26.539	151.9	0.127
90	8.136	34.062	8.127	26.539	152.1	0.142



STATION 194 COC3

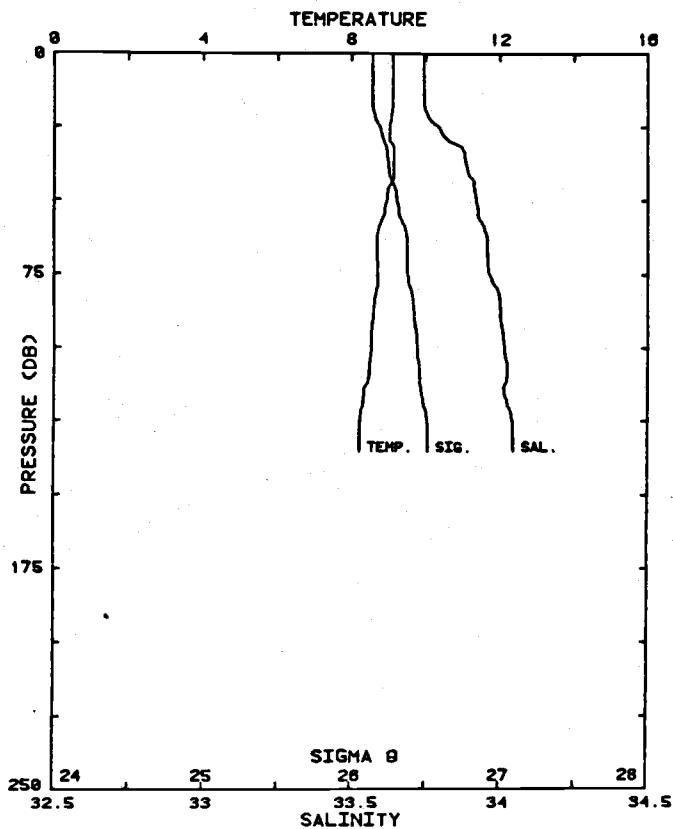


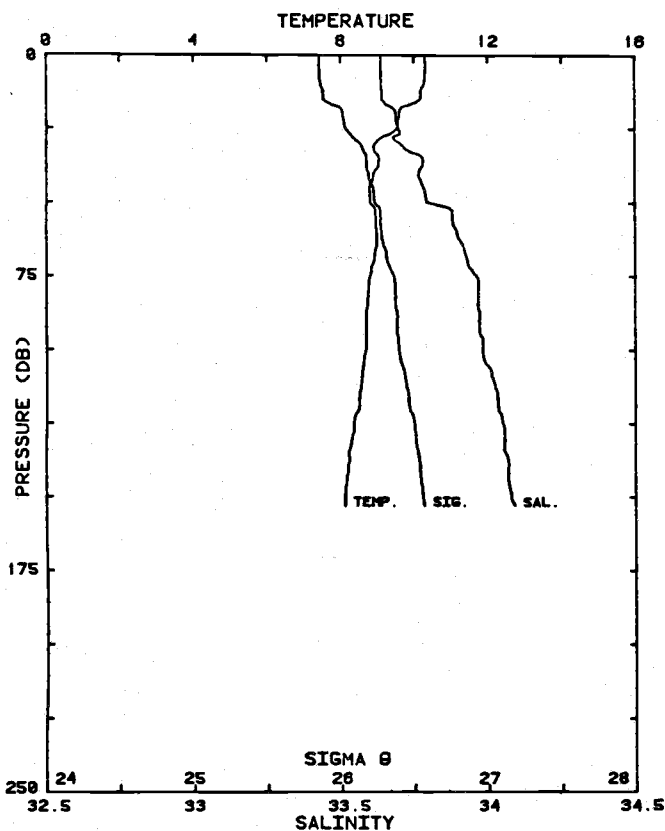
STA NO 195 COC4 LAT: 38 36.2 N LONG: 123 30.8 W
 28 MAY 1981 1450 GMT PROBE 2567 DEPTH 111M
 10.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	8.864	33.881	8.863	26.285	174.6	0.000
10	8.863	33.883	8.862	26.286	174.6	0.017
20	8.858	33.882	8.856	26.286	174.8	0.035
30	8.808	33.884	8.805	26.296	174.1	0.052
40	8.768	33.899	8.764	26.314	172.6	0.070
50	8.760	33.932	8.755	26.341	170.2	0.087
60	8.685	33.922	8.679	26.345	170.0	0.104
70	8.655	33.948	8.648	26.370	167.8	0.121
80	8.599	33.950	8.590	26.381	166.9	0.138
90	8.330	34.028	8.321	26.483	157.4	0.154
100	8.172	34.054	8.162	26.528	153.3	0.169
107	8.165	34.055	8.154	26.530	153.3	0.180

STA NO 196 COC5 LAT: 38 34.6 N LONG: 123 33.3 W
 28 MAY 1981 1530 GMT PROBE 2567 DEPTH 133M
 15.9 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
0	9.099	33.742	9.099	26.138	188.5	0.000
10	9.098	33.741	9.097	26.138	188.7	0.019
20	9.079	33.749	9.077	26.148	188.0	0.038
30	9.023	33.828	9.020	26.218	181.5	0.056
40	9.124	33.890	9.120	26.250	178.6	0.074
50	8.943	33.919	8.937	26.302	173.9	0.092
60	8.717	33.947	8.711	26.360	168.6	0.109
70	8.688	33.958	8.680	26.373	167.6	0.126
80	8.674	33.991	8.665	26.401	165.1	0.142
90	8.588	34.001	8.579	26.423	163.2	0.159
100	8.527	34.015	8.517	26.443	161.5	0.175
110	8.469	34.025	8.457	26.460	160.0	0.191
120	8.298	34.026	8.286	26.487	157.6	0.207
130	8.212	34.044	8.199	26.514	155.2	0.222
135	8.209	34.045	8.196	26.515	155.2	0.230





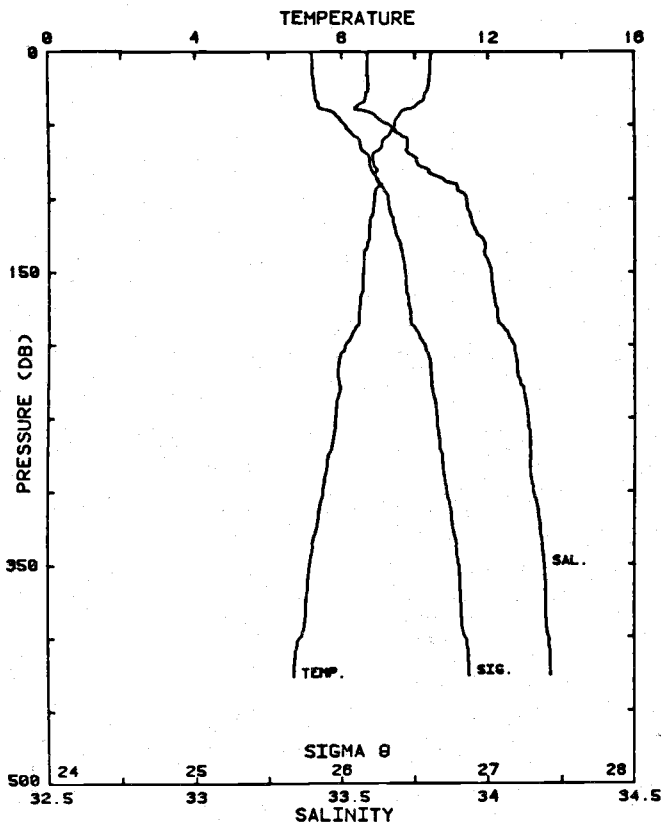
STATION 197 COC6

STA NO 197 COC6 LAT: 38 32.7 N LONG:123 36.2 W
 28 MAY 1981 1610 GMT PROBE 2567 DEPTH 156M
 21.6 KM FROM SHORE

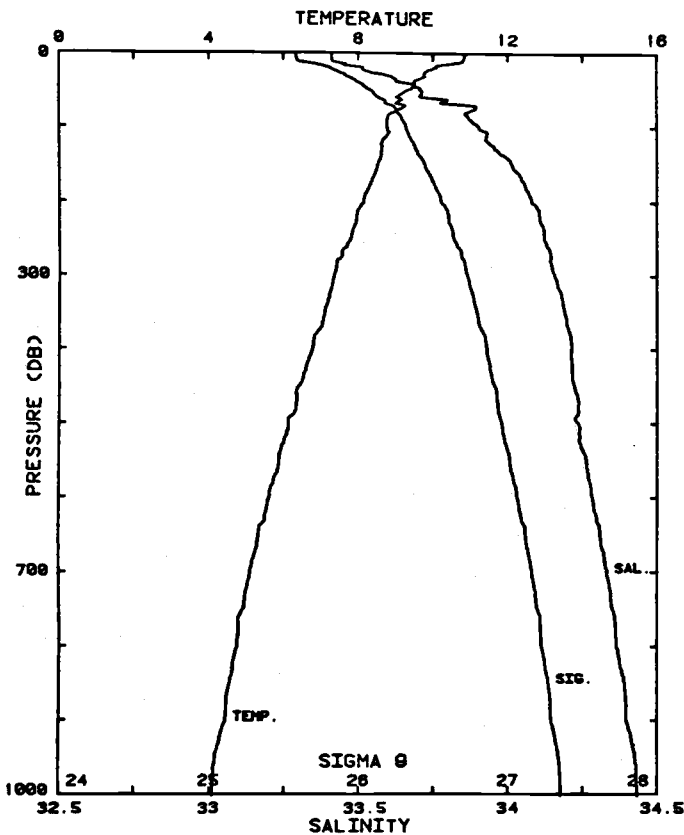
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
1	10.306	33.637	10.306	25.856	215.3	0.002
10	10.263	33.637	10.262	25.863	214.8	0.022
20	9.597	33.688	9.595	26.016	200.5	0.042
30	8.948	33.702	8.945	26.131	189.7	0.062
40	8.894	33.765	8.889	26.189	184.4	0.081
50	8.784	33.793	8.778	26.227	180.9	0.099
60	8.971	33.894	8.964	26.278	176.4	0.117
70	8.900	33.929	8.892	26.317	172.9	0.134
80	8.741	33.966	8.733	26.371	168.0	0.151
90	8.688	33.970	8.678	26.383	167.0	0.168
100	8.667	33.981	8.656	26.395	166.1	0.185
110	8.557	34.015	8.546	26.438	162.1	0.201
120	8.477	34.034	8.465	26.466	159.7	0.217
130	8.289	34.054	8.276	26.510	155.6	0.233
140	8.186	34.067	8.172	26.536	153.3	0.248
150	8.106	34.076	8.091	26.556	151.6	0.264
153	8.105	34.090	8.089	26.566	150.7	0.268

STA NO 198 COC7 LAT: 38 30.3 N LONG:123 39.6 W
 28 MAY 1981 1710 GMT PROBE 2567 DEPTH 431M
 27.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP	THETA				
0	10.470	33.561	10.470	25.769	223.6	0.000
10	10.410	33.589	10.409	25.801	220.7	0.022
20	10.389	33.590	10.387	25.806	220.5	0.044
30	10.260	33.583	10.257	25.822	219.1	0.066
40	9.735	33.544	9.730	25.881	213.7	0.088
50	9.445	33.559	9.439	26.018	200.9	0.109
60	9.140	33.723	9.133	26.118	191.6	0.128
70	8.840	33.728	8.833	26.170	186.9	0.147
80	8.939	33.786	8.930	26.199	184.2	0.166
90	9.052	33.870	9.042	26.248	179.9	0.184
100	8.890	33.925	8.879	26.316	173.6	0.202
110	8.841	33.937	8.829	26.333	172.2	0.219
120	8.749	33.952	8.736	26.360	169.8	0.236
130	8.704	33.985	8.691	26.393	166.9	0.253
140	8.587	33.989	8.573	26.414	165.0	0.269
150	8.575	34.007	8.560	26.431	163.6	0.286
175	8.467	34.027	8.449	26.463	161.0	0.326
200	8.096	34.084	8.076	26.564	151.8	0.366
225	7.908	34.109	7.886	26.612	147.6	0.403
250	7.804	34.135	7.779	26.648	144.6	0.440
300	7.451	34.151	7.422	26.712	139.2	0.511
400	6.837	34.205	6.800	26.841	128.1	0.644
426	6.673	34.211	6.634	26.868	125.9	0.677



STATION 198 COC7



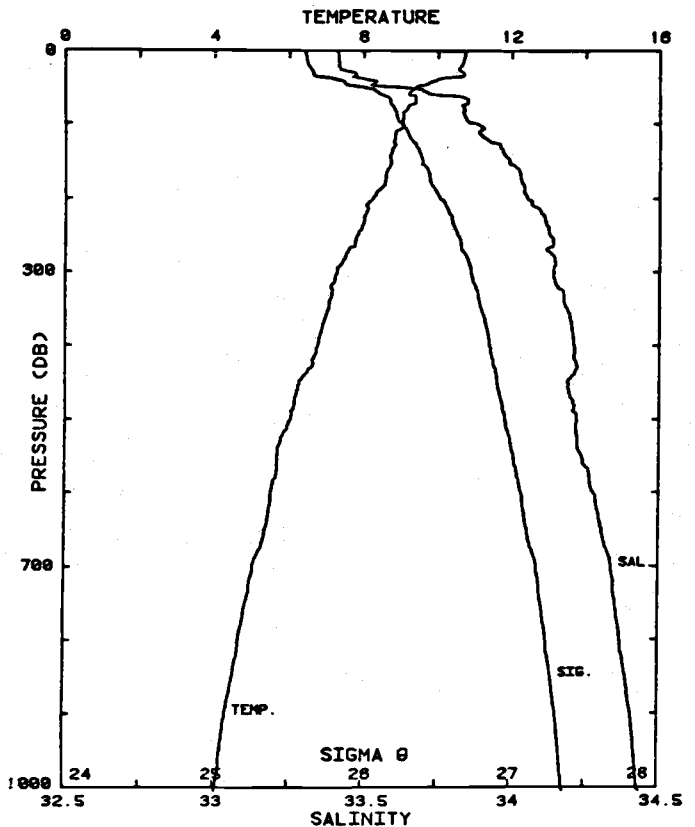
STATION 199 COC8

STA NO 199 COC8 LAT: 38 27.1 N LONG:123 44.5 W
 28 MAY 1981 1820 GMT PROBE 2567 DEPTH 1106M
 37.0 KM FROM SHORE

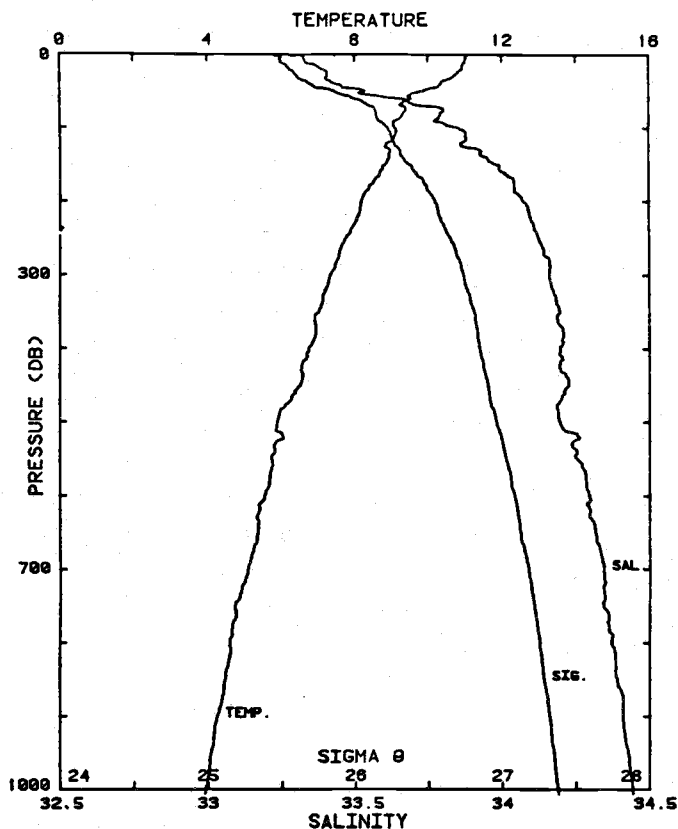
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
0	10.869	33.412	10.869	25.583	241.2	0.000
10	10.812	33.412	10.811	25.593	240.5	0.024
20	10.093	33.511	10.091	25.795	221.5	0.047
30	9.757	33.582	9.754	25.907	211.1	0.069
40	9.490	33.635	9.486	25.992	203.2	0.090
50	9.350	33.703	9.344	26.068	196.2	0.110
60	9.000	33.708	8.994	26.128	190.6	0.129
70	9.134	33.823	9.126	26.197	184.3	0.148
80	8.971	33.868	8.963	26.259	178.6	0.166
90	8.771	33.872	8.762	26.293	175.5	0.183
100	8.768	33.903	8.758	26.318	173.4	0.201
110	8.791	33.932	8.779	26.337	171.8	0.218
120	8.628	33.933	8.616	26.363	169.4	0.235
130	8.618	33.957	8.605	26.384	167.7	0.252
140	8.591	33.991	8.577	26.415	164.9	0.269
150	8.513	34.014	8.497	26.445	162.2	0.285
175	8.333	34.055	8.315	26.505	157.0	0.325
200	8.141	34.080	8.121	26.554	152.7	0.364
225	7.945	34.109	7.923	26.606	148.2	0.401
250	7.804	34.122	7.779	26.638	145.5	0.438
300	7.348	34.157	7.319	26.731	137.3	0.508
400	6.767	34.215	6.730	26.858	126.5	0.640
500	6.126	34.234	6.082	26.959	117.8	0.762
600	5.613	34.282	5.562	27.061	108.9	0.875
800	4.762	34.364	4.698	27.227	94.2	1.076
1000	4.092	34.434	4.015	27.356	82.8	1.251
1002	4.085	34.434	4.008	27.357	82.7	1.253

STA NO 200 COC9 LAT: 38 24.1 N LONG:123 49.4 W
 28 MAY 1981 1958 GMT PROBE 2567 DEPTH 1665M
 46.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	10.760	33.411	10.760	25.601	239.5	0.002
10	10.704	33.416	10.703	25.616	238.4	0.024
20	10.642	33.417	10.640	25.628	237.4	0.048
30	10.628	33.454	10.624	25.659	234.7	0.071
40	9.972	33.505	9.968	25.811	220.4	0.094
50	9.393	33.569	9.388	25.957	206.7	0.116
60	9.204	33.720	9.198	26.105	192.8	0.136
70	9.386	33.851	9.378	26.178	186.1	0.154
80	9.164	33.838	9.156	26.204	183.8	0.173
90	9.064	33.840	9.054	26.222	182.3	0.191
100	9.029	33.873	9.018	26.254	179.5	0.209
110	8.877	33.890	8.865	26.291	176.1	0.227
120	8.833	33.910	8.821	26.314	174.2	0.245
130	8.837	33.961	8.823	26.353	170.7	0.262
140	8.739	33.970	8.725	26.376	168.7	0.279
150	8.733	33.993	8.718	26.394	167.1	0.296
175	8.588	34.030	8.570	26.447	162.6	0.337
200	8.265	34.052	8.245	26.513	156.6	0.377
225	8.036	34.110	8.014	26.592	149.4	0.415
250	7.866	34.127	7.841	26.633	146.1	0.452
300	7.303	34.142	7.274	26.726	137.7	0.523
400	6.786	34.212	6.749	26.853	127.0	0.655
500	6.056	34.221	6.013	26.957	117.9	0.777
600	5.525	34.277	5.474	27.068	108.1	0.890
800	4.677	34.372	4.613	27.243	92.6	1.090
1000	4.076	34.432	4.000	27.356	82.7	1.264
1005	4.053	34.440	3.976	27.365	81.9	1.269



STATION 200 COC9



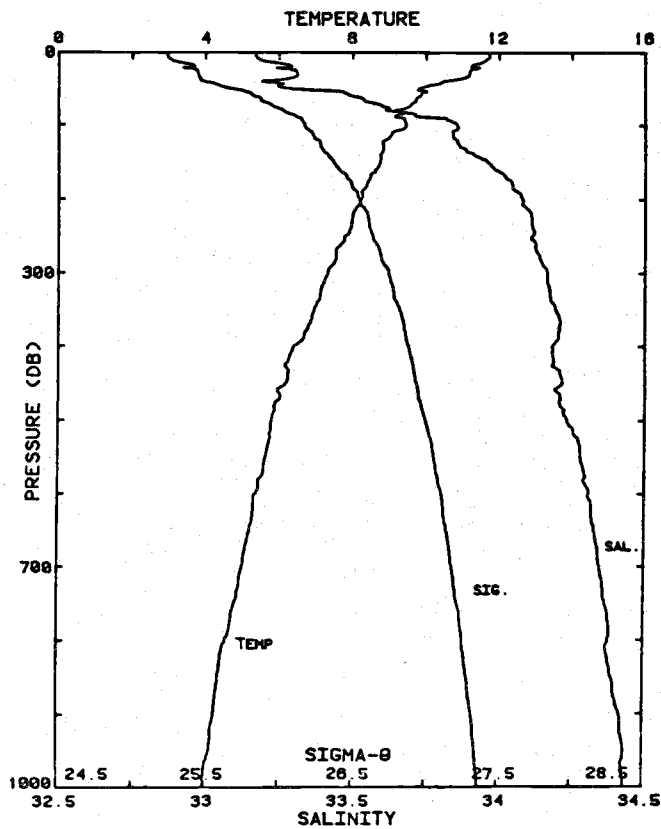
STATION 201 COC10

STA NO 201 COC10 LAT: 38 20.8 N LONG:123 54.6 W
 28 MAY 1981 2125 GMT PROBE 2567 DEPTH 2289M
 55.9 KM FROM SHORE

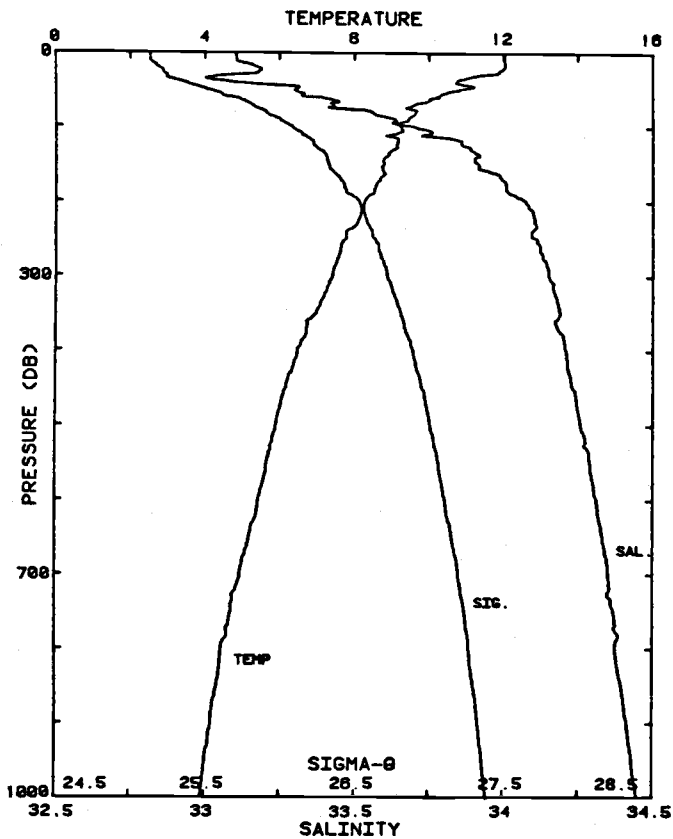
PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.041	33.282	11.040	25.452	253.7	0.003
10	11.000	33.332	10.999	25.498	249.5	0.025
20	10.919	33.385	10.917	25.554	244.4	0.050
30	10.721	33.405	10.717	25.605	239.9	0.074
40	10.347	33.427	10.342	25.687	232.2	0.098
50	9.905	33.527	9.900	25.839	217.9	0.120
60	9.492	33.621	9.485	25.982	204.6	0.141
70	9.214	33.702	9.209	26.089	194.6	0.161
80	9.316	33.792	9.307	26.144	189.6	0.180
90	9.103	33.770	9.094	26.161	188.1	0.199
100	9.103	33.849	9.092	26.223	182.5	0.218
110	9.098	33.876	9.086	26.245	180.6	0.236
120	8.900	33.865	8.887	26.268	178.5	0.254
130	8.959	33.924	8.945	26.305	175.3	0.272
140	8.936	33.941	8.921	26.322	173.9	0.289
150	8.847	33.971	8.832	26.359	170.5	0.306
175	8.509	34.041	8.491	26.467	160.6	0.348
200	8.167	34.070	8.147	26.542	153.8	0.387
225	8.050	34.097	8.027	26.581	150.6	0.425
250	7.766	34.122	7.742	26.643	145.0	0.462
300	7.336	34.160	7.308	26.735	136.9	0.532
400	6.738	34.196	6.702	26.847	127.5	0.663
500	5.873	34.195	5.830	26.960	117.4	0.786
600	5.526	34.294	5.476	27.082	106.8	0.898
800	4.584	34.372	4.521	27.253	91.5	1.096
1000	3.928	34.443	3.853	27.380	80.2	1.268
1006	3.910	34.444	3.834	27.383	79.9	1.273

STA NO 202 COC11 LAT: 38 17.5 N LONG:123 59.3 W
 28 MAY 1981 2247 GMT PROBE 2567 DEPTH 3264M
 65.1 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	11.754	33.170	11.754	25.235	274.4	0.003
10	11.671	33.182	11.670	25.259	272.2	0.027
20	11.238	33.294	11.236	25.426	256.6	0.054
30	11.189	33.313	11.185	25.449	254.6	0.080
40	10.487	33.193	10.482	25.481	251.8	0.105
50	9.784	33.288	9.778	25.673	233.7	0.129
60	9.844	33.496	9.837	25.825	219.4	0.152
70	9.616	33.571	9.608	25.922	210.5	0.173
80	9.163	33.613	9.154	26.028	200.5	0.194
90	9.333	33.788	9.323	26.138	190.3	0.213
100	9.451	33.856	9.440	26.172	187.3	0.232
110	9.068	33.840	9.056	26.222	182.8	0.251
120	8.901	33.853	8.888	26.259	179.4	0.269
130	8.830	33.871	8.816	26.284	177.2	0.287
140	8.745	33.914	8.730	26.331	172.9	0.304
150	8.742	33.961	8.726	26.368	169.6	0.321
175	8.410	34.040	8.392	26.482	159.2	0.363
200	8.222	34.081	8.202	26.543	153.9	0.402
225	7.980	34.111	7.958	26.603	148.5	0.440
250	7.795	34.116	7.770	26.634	145.9	0.476
300	7.306	34.166	7.277	26.744	136.1	0.547
400	6.398	34.184	6.363	26.883	123.8	0.677
500	5.796	34.234	5.753	27.000	113.6	0.796
600	5.374	34.311	5.325	27.113	103.7	0.905
800	4.571	34.378	4.508	27.259	90.9	1.099
1000	3.942	34.439	3.867	27.376	80.6	1.270
1001	3.942	34.439	3.867	27.376	80.6	1.271



STATION 202 COC11



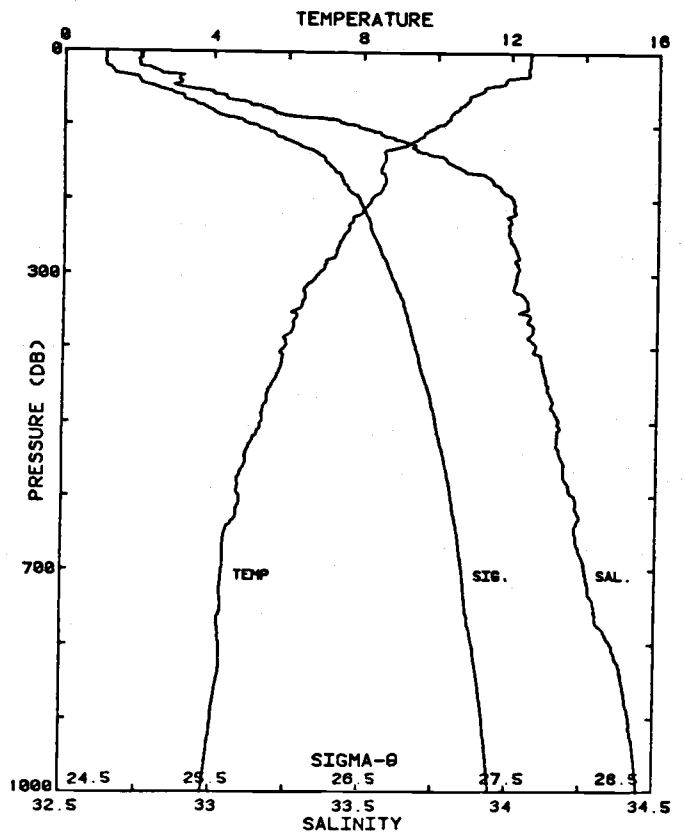
STATION 203 COC12

STA NO 204 COC13 LAT: 38 7.8 N LONG:124 14.1 W
 29 MAY 1981 0151 GMT PROBE 2567 DEPTH 3730M
 93.1 KM FROM SHORE

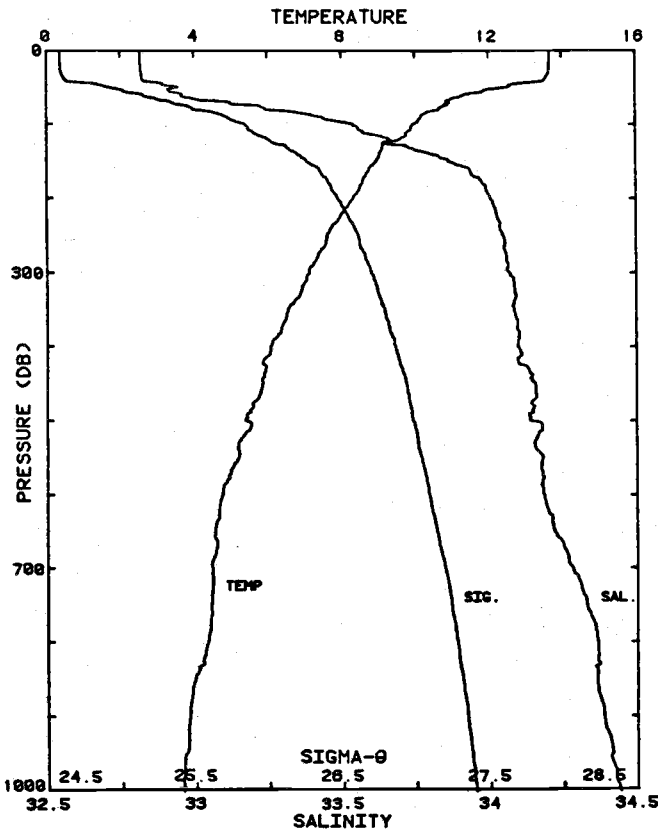
PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.505	32.754	12.505	24.771	318.5	0.003
10	12.501	32.754	12.500	24.772	318.6	0.032
20	12.479	32.750	12.476	24.774	318.7	0.064
30	12.471	32.823	12.468	24.831	313.5	0.095
40	11.829	32.884	11.824	25.000	297.6	0.126
50	11.268	32.904	11.262	25.118	286.5	0.155
60	10.889	33.030	10.882	25.284	271.0	0.183
70	10.757	33.115	10.748	25.373	262.8	0.210
80	10.523	33.201	10.513	25.481	252.7	0.236
90	10.347	33.313	10.336	25.599	241.7	0.260
100	10.059	33.468	10.048	25.769	225.7	0.284
110	9.657	33.560	9.645	25.907	212.7	0.306
120	9.477	33.609	9.464	25.976	206.4	0.327
130	8.991	33.667	8.977	26.099	194.8	0.347
140	8.601	33.722	8.586	26.203	185.0	0.366
150	8.590	33.787	8.574	26.256	180.2	0.384
175	8.630	33.939	8.612	26.369	170.0	0.427
200	8.240	34.009	8.220	26.484	159.4	0.469
225	7.752	33.994	7.730	26.544	153.9	0.508
250	7.493	33.998	7.469	26.585	150.3	0.546
300	6.846	34.023	6.819	26.695	140.3	0.619
400	5.932	34.089	5.893	26.867	124.8	0.750
500	5.297	34.167	5.256	27.007	112.3	0.869
600	4.743	34.223	4.696	27.116	102.4	0.976
800	4.258	34.352	4.197	27.272	89.0	1.167
1000	3.788	34.448	3.714	27.398	78.1	1.333
1001	3.785	34.448	3.711	27.398	78.1	1.333

STA NO 203 COC12 LAT: 38 14.3 N LONG:124 4.3 W
 29 MAY 1981 0008 GMT PROBE 2567 DEPTH 3580M
 74.4 KM FROM SHORE

PRESS	TEMP	SAL	POTEN	SIGMA	SVA	DELD
	TEMP		TEMP	THETA		
1	12.042	33.104	12.042	25.130	284.4	0.003
10	12.037	33.106	12.036	25.133	284.3	0.028
20	12.044	33.176	12.042	25.185	279.5	0.057
30	11.371	33.094	11.367	25.247	273.9	0.084
40	10.731	33.089	10.726	25.357	263.6	0.111
50	10.780	33.297	10.774	25.510	249.3	0.137
60	10.264	33.394	10.257	25.676	233.7	0.161
70	9.608	33.428	9.600	25.812	220.9	0.184
80	9.646	33.559	9.638	25.908	212.0	0.205
90	9.441	33.639	9.431	26.004	203.1	0.226
100	9.249	33.701	9.238	26.084	195.6	0.246
110	9.035	33.743	9.024	26.151	189.4	0.266
120	9.155	33.860	9.142	26.223	182.8	0.284
130	9.068	33.888	9.054	26.259	179.6	0.302
140	8.867	33.915	8.852	26.313	174.7	0.320
150	8.797	33.917	8.781	26.326	173.7	0.337
175	8.605	34.008	8.587	26.427	164.5	0.380
200	8.263	34.076	8.243	26.532	154.9	0.420
225	8.101	34.107	8.078	26.581	150.6	0.458
250	7.776	34.111	7.751	26.633	145.9	0.495
300	7.411	34.153	7.382	26.719	138.5	0.566
400	6.468	34.210	6.433	26.894	122.8	0.697
500	5.889	34.259	5.846	27.008	112.9	0.814
600	5.423	34.312	5.373	27.107	104.3	0.923
800	4.445	34.375	4.384	27.271	89.6	1.116
1000	3.882	34.450	3.807	27.390	79.1	1.284
1001	3.877	34.451	3.802	27.392	79.0	1.285



STATION 204 COC13



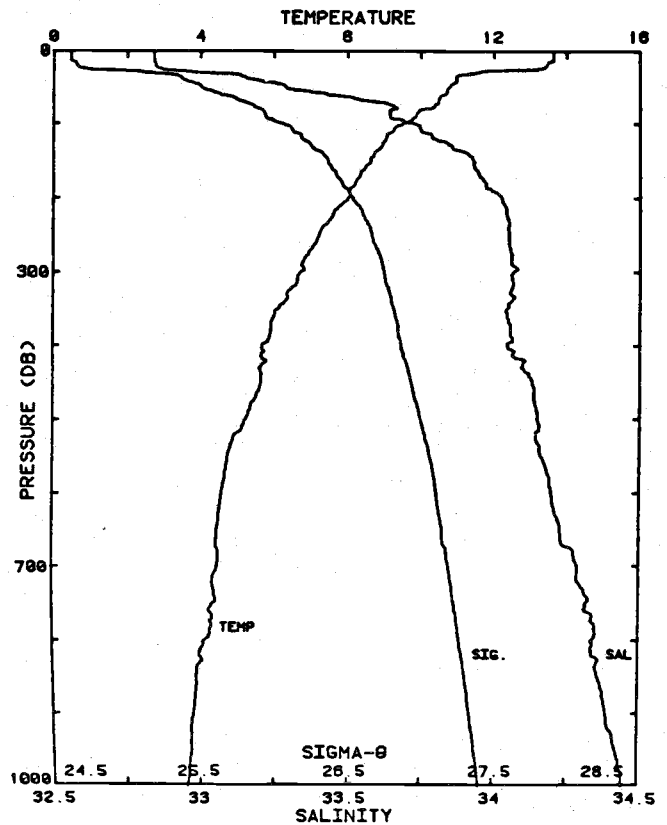
STATION 205 COC14

STA NO 205 COC14 LAT: 38 1.3 N LONG:124 23.9 W
 29 MAY 1981 0331 GMT PROBE 2567 DEPTH 3792M
 111.6 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
2	13.667	32.814	13.667	24.588	336.0	0.007
10	13.671	32.818	13.669	24.590	336.0	0.034
20	13.669	32.818	13.666	24.591	336.2	0.067
30	13.645	32.821	13.641	24.599	335.7	0.101
40	13.526	32.826	13.520	24.627	333.3	0.134
50	12.499	32.946	12.492	24.922	305.4	0.166
60	11.327	32.960	11.320	25.152	283.7	0.196
70	10.932	33.113	10.924	25.341	265.9	0.223
80	10.650	33.242	10.640	25.491	251.8	0.249
90	10.158	33.431	10.148	25.723	229.9	0.273
100	9.938	33.538	9.927	25.844	218.6	0.296
110	9.796	33.572	9.784	25.894	214.0	0.317
120	9.600	33.661	9.587	25.996	204.5	0.338
130	9.118	33.715	9.104	26.116	193.2	0.358
140	9.033	33.794	9.018	26.192	186.2	0.377
150	8.948	33.861	8.932	26.258	180.1	0.396
175	8.583	33.969	8.565	26.399	167.1	0.439
200	8.306	34.003	8.286	26.469	160.8	0.480
225	7.948	34.027	7.926	26.542	154.2	0.519
250	7.594	34.045	7.569	26.608	148.2	0.557
300	7.093	34.067	7.065	26.696	140.4	0.629
400	6.049	34.098	6.014	26.860	125.6	0.762
500	5.351	34.136	5.310	26.976	115.2	0.882
600	4.740	34.182	4.693	27.084	105.4	0.992
800	4.330	34.365	4.269	27.275	88.9	1.185
1000	3.652	34.441	3.579	27.406	77.0	1.350
1003	3.652	34.442	3.579	27.407	76.9	1.352

STA NO 206 COC15 LAT: 37 51.8 N LONG:124 38.4 W
 29 MAY 1981 0538 GMT PROBE 2567 DEPTH 3978M
 138.8 KM FROM SHORE

PRESS	TEMP	SAL	POTEN TEMP	SIGMA THETA	SVA	DELD
1	13.626	32.840	13.626	24.616	333.2	0.003
10	13.635	32.840	13.633	24.615	333.6	0.033
20	13.448	32.846	13.446	24.657	329.9	0.067
30	11.576	32.980	11.572	25.121	285.9	0.098
40	10.978	33.185	10.973	25.389	260.6	0.125
50	10.772	33.289	10.766	25.505	249.7	0.150
60	10.671	33.427	10.664	25.631	238.0	0.175
70	10.470	33.584	10.462	25.788	223.3	0.198
80	10.236	33.669	10.227	25.895	213.4	0.220
90	9.865	33.644	9.855	25.938	209.4	0.241
100	9.518	33.723	9.507	26.058	198.2	0.261
110	9.223	33.751	9.221	26.126	191.9	0.280
120	9.048	33.791	9.035	26.187	186.2	0.299
130	8.924	33.856	8.911	26.257	179.8	0.318
140	8.718	33.908	8.704	26.330	173.0	0.335
150	8.617	33.933	8.602	26.366	169.8	0.352
175	8.248	33.964	8.230	26.447	162.5	0.394
200	8.012	34.028	7.992	26.532	154.7	0.434
225	7.578	34.045	7.556	26.610	147.6	0.471
250	7.217	34.052	7.194	26.666	142.5	0.508
300	6.712	34.069	6.685	26.750	135.1	0.577
400	5.661	34.047	5.628	26.868	124.5	0.706
500	5.218	34.151	5.177	27.004	112.4	0.825
600	4.594	34.199	4.548	27.113	102.5	0.932
800	4.145	34.342	4.085	27.276	88.5	1.123
1000	3.646	34.444	3.573	27.409	76.7	1.287
1002	3.641	34.444	3.568	27.409	76.7	1.289



STATION 206 COC15

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