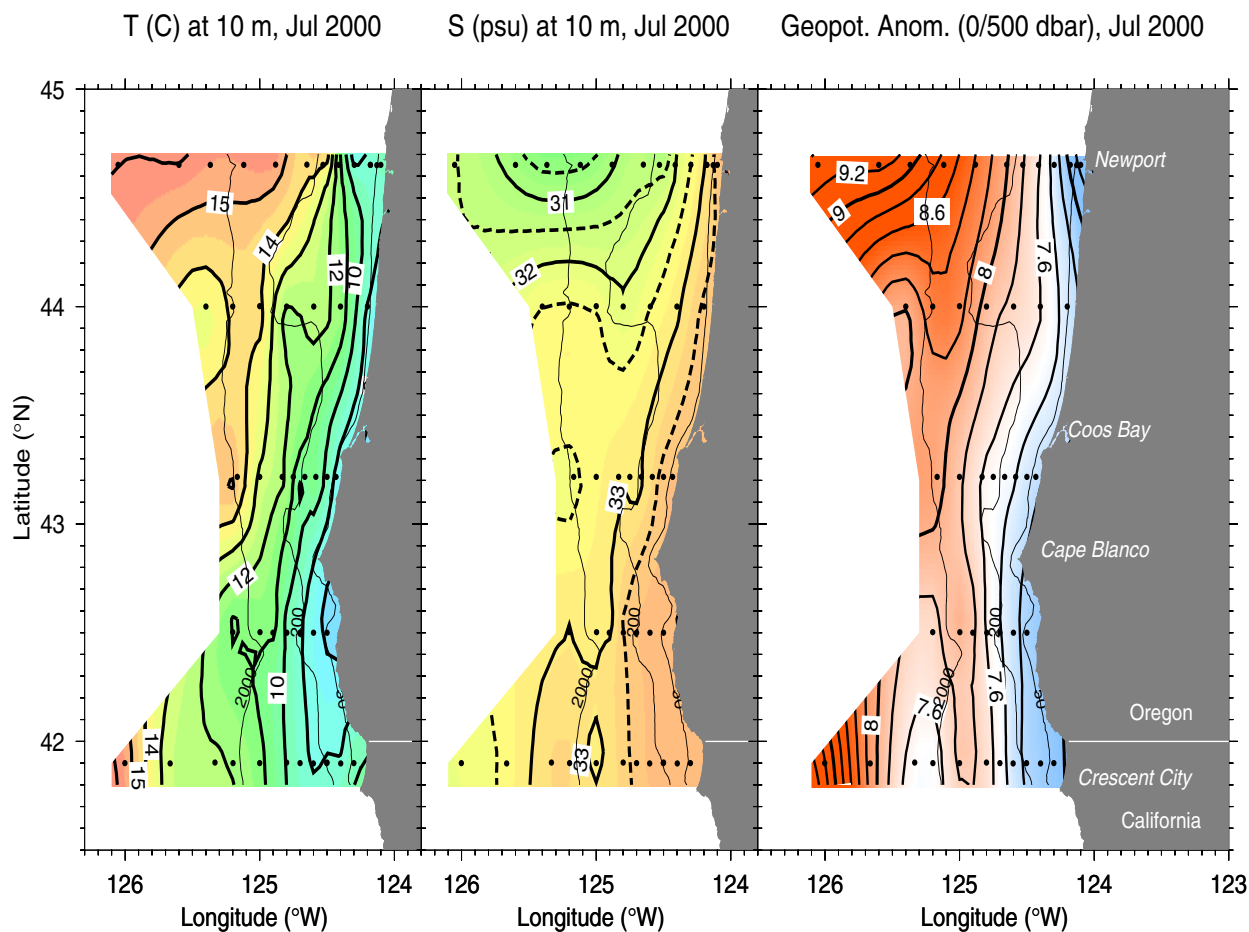


# College of Oceanic and Atmospheric Sciences



## Hydrographic Data from the GLOBEC Long-Term Observation Program off Oregon, 1999 and 2000

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# Hydrographic Data from the GLOBEC Long-Term Observation Program off Oregon, 1999 and 2000

## Introduction

As part of the GLOBEC Northeast Pacific Program, a Long Term Observation Program (LTOP) of repeated hydrographic observations along lines off Oregon began in September 1997 (Fleischbein et al, 1999). Of these lines, NH, off Newport, had been sampled frequently during the decade from 1961 to 1970, and another, FM, off Coos Bay, had been sampled repeatedly in 1981-1983. During 1999 and 2000 the LTOP program continued sampling along these two lines and four additional lines off Oregon and California. The program includes measurements of upper ocean currents by the ship-borne Acoustic Doppler profiling system, zooplankton sampling at selected stations, and deployment of satellite-tracked drifters at selected sites; those results will be presented elsewhere. This report presents the CTD, nutrient and chlorophyll data from nine cruises made between February 1999 and September 2000.

During the five 1999 cruises, sampling occurred on five separate lines (Figure 1): the Newport Hydro (NH) line which extends 150 km west along 44°39.1'N off Newport, Oregon; the Heceta Head (HH) line which extends 100 km west along 44°00'N off Heceta Head, Oregon; the Five Mile Point (FM) line which extends 65 km west along 43°13.0'N from Coos Bay, Oregon; the CR line which extends west along 41°54'N from Crescent City, California; and the EUR line which extends west along 40°52'N from Eureka, California. The Eureka line was discontinued at the end of 1999, and the Rogue River (RR) line, which extends west long 42°30'N from the Rogue River, Oregon, was added in 2000. Station names on each line reflect historical usage: for the NH line, the numerical suffix indicates the distance from shore in nautical miles; for all other lines, the station location names are those used during SuperCODE in 1981-1984 (Fleischbein et al., 1985). Each section includes at least two stations beyond the 1000 m isobath, and the maximum CTD sampling depth is 1000 m. The NH-line was sampled on nine cruises, and the FM line on six (Table 1,2). Four cruises included sampling on all five lines (Table 1,2).

All of the cruises were on the R/V Wecoma, operated by Oregon State University, and sailed to and from her homeport of Newport, Oregon. The cruise name convention is as follows: the first letter designates the ship (W for Wecoma), the next four digits indicate the beginning year and month, and the final letter distinguishes between cruises starting in the same month (A for first, B for second, etc). Several persons participated in almost all cruises (Table 3). This overlap of personnel ensured that similar sampling protocols were used throughout; these protocols are described below.

After several delays and false starts due to the rough weather, the first GLOBEC LTOP cruise of 1999 began on February 17<sup>th</sup> (Table 4, Figure 2) with replacing an ADP mooring at NH-10. The mooring work was followed with a CTD at NH-10, and then the line was worked out starting at NH-3. Bad weather forced the Wecoma to hove to at NH-45, but with a poor forecast of increasing wind, the station was abandoned after several hours and the Wecoma dog-legged back to port. In April 1999, the NH, FM and part of the CR lines were sampled on W9904B (Table 5, Figure 2), but rough weather and a broken bow-thruster prevented completion of the Crescent City line.

Better weather prevailed in July 1999 on W9907A, and five lines (Table 6, Figure 2) were completed beginning with the NH line and working the FM, CR and EUR lines south then returning to the HH line in the north. In addition, underway pumping for trace metal and nutrient

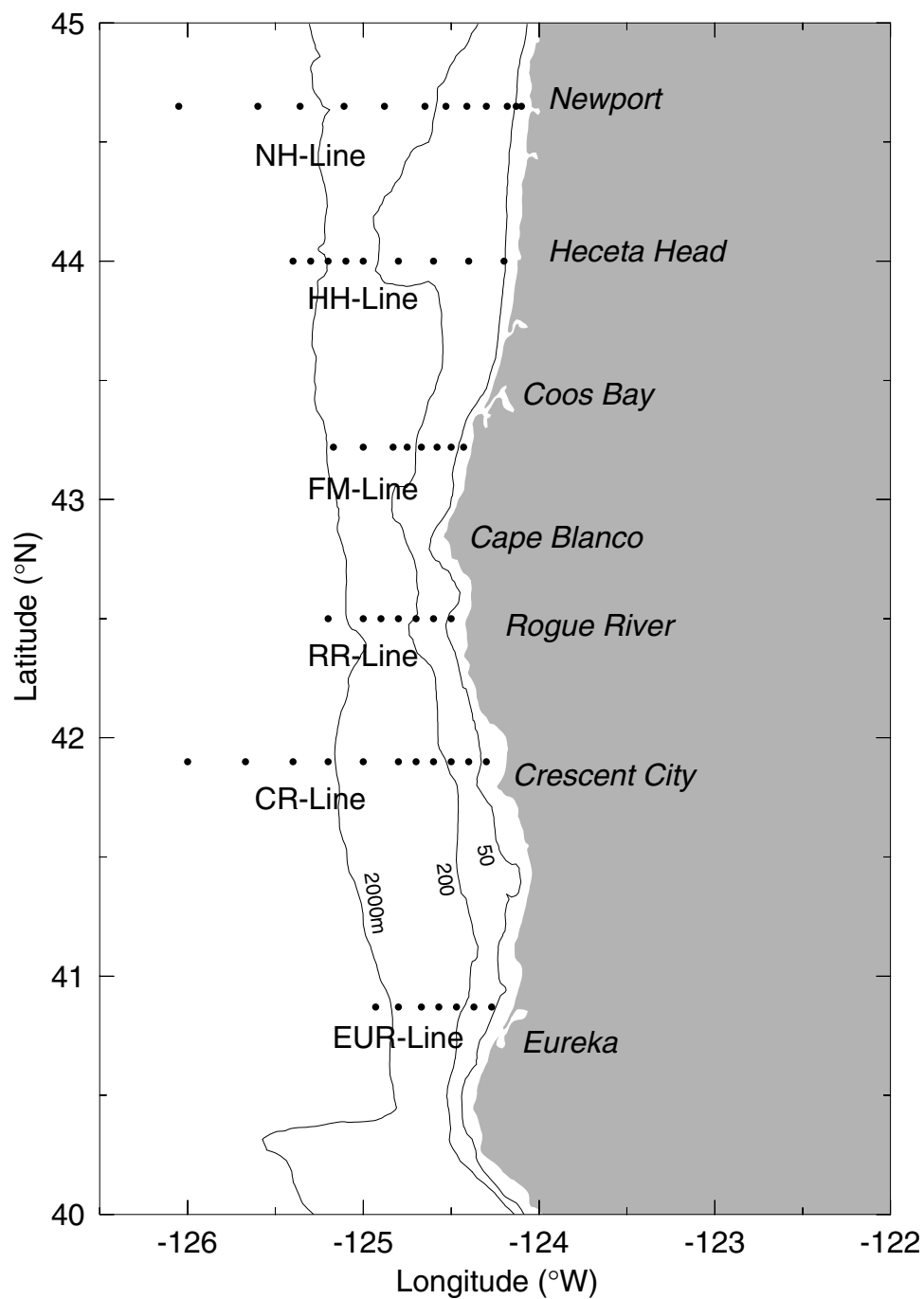


Figure 1. Location of standard sampling lines.



analysis for Dr. Lex Van Geen, Lamont-Doherty Earth Observatory, was done along most sections, and on several diagonals between sections. Seven CTD stations along the inshore end of the Newport line were repeated at the end of the cruise.

Sampling began along the inshore end of the Newport Line on W9909C (Table 7, Figure 3). While at NH-15, Amy Chiuchiolo suffered an injury to her finger, and Wecoma proceeded back to Newport to disembark her for medical treatment. Sampling along the Newport Line resumed later that day, followed by the FM and CR lines. Northerly winds increased gradually during the transit to EUR-1, and only the first three inshore stations were completed before the sea state became too rough to continue. An attempt was made to continue west for ADCP sampling along the line but this also proved impossible, so the Wecoma made its way slowly to RR-1. ADCP sampling was completed out to RR-7, then another short ADCP survey was made from NH-20, shoreward, for comparison with surface currents measured by a CODAR installation operated by Dr. Michael Kosro, Oregon State University.

The two cruises W9911A (Table 8, Figure 3) and W9902A (Table 9, Figure 3) sampled only along the NH line, and both eliminated NH-1 due to rough weather. The sloppy sea conditions also forced sampling to be broken off at NH-25 during the November cruise and at NH-15 during February, and resumed at NH-85 during slightly better conditions, working toward shore to complete the lines.

The NH, FM, and CR lines were sampled north to south, and the RR and HH lines sampled on the way back north during the last 3 cruises of 2000. W0004B (Table 10, Figure 3) began at NH-10 with deployment of a surface mooring and ADCP mooring. Following the mooring work, Mike Kosro and Walt Waldorf departed on the R/V Sacajawea. Sampling was finished on the NH-line working westward from NH-1. The FM line sampling was started at FM-4, and then proceeded to FM-1 to allow adequate time during transits for the nutrient and chemical sample processing, and to set up the MOCNESS nets. During the transit to the Crescent City line, the CTD was re-terminated due to a kink in the wire. The order of the Crescent City line stations was modified, again to allow the most efficient use of time, beginning with CR-3. Sampling began on the offshore end of the Rogue River line, stopped after RR-6 to run inshore for a daytime survey of possible crab pot lines, and resumed at RR-1, working out to RR-5. The Heceta Head line was worked from the inshore end.

Electronic problems plagued the start of W0007A (Table 11, Figure 4) with the MOCNESS and HTI (bio-acoustic system) malfunctioning on deployment at NH-3, and the CTD rosette misfiring at NH-5. The MOCNESS was re-terminated, and the HTI was found to have a loose power connection. Both were re-deployed following the second CTD cast at NH-5, repeated due to the rosette misfiring. At FM-7, the MOCNESS was damaged on deployment, so it was recovered, repaired and re-deployed. The Crescent City line was started at CR-11 and stopped after CR-7 due to high winds. The ship transited to CR-1 where the weather improved, and sampling was resumed. The MOCNESS was omitted for the rest of the CR line due to strong winds, and the CTD cast was aborted at CR-3 after the hydro wire jumped the sheave during rough seas. The ship hove to at the station while the CTD was re-terminated. The CR line was finished out to CR-6, and the sampling began at RR-1 along the Rogue River line. High winds continued and following RR-3, the ship hove to for 2 1/2 hours waiting for better weather. The RR line was finally finished and the HH line was done starting at the inshore end. The last cruise of 2000, W0009A (Table 12, Figure 4), was extraordinarily uneventful with all lines completed as planned, without interruption. The last three stations (46, 47, 48) included in Table 12 were made during Leg2 of W0009A whose primary purpose was to service moorings off Newport, Coos Bay and Rogue River.

Satellite-tracked drifters were deployed on six cruises: in April, July and September 1999 and 2000 (Table 13).

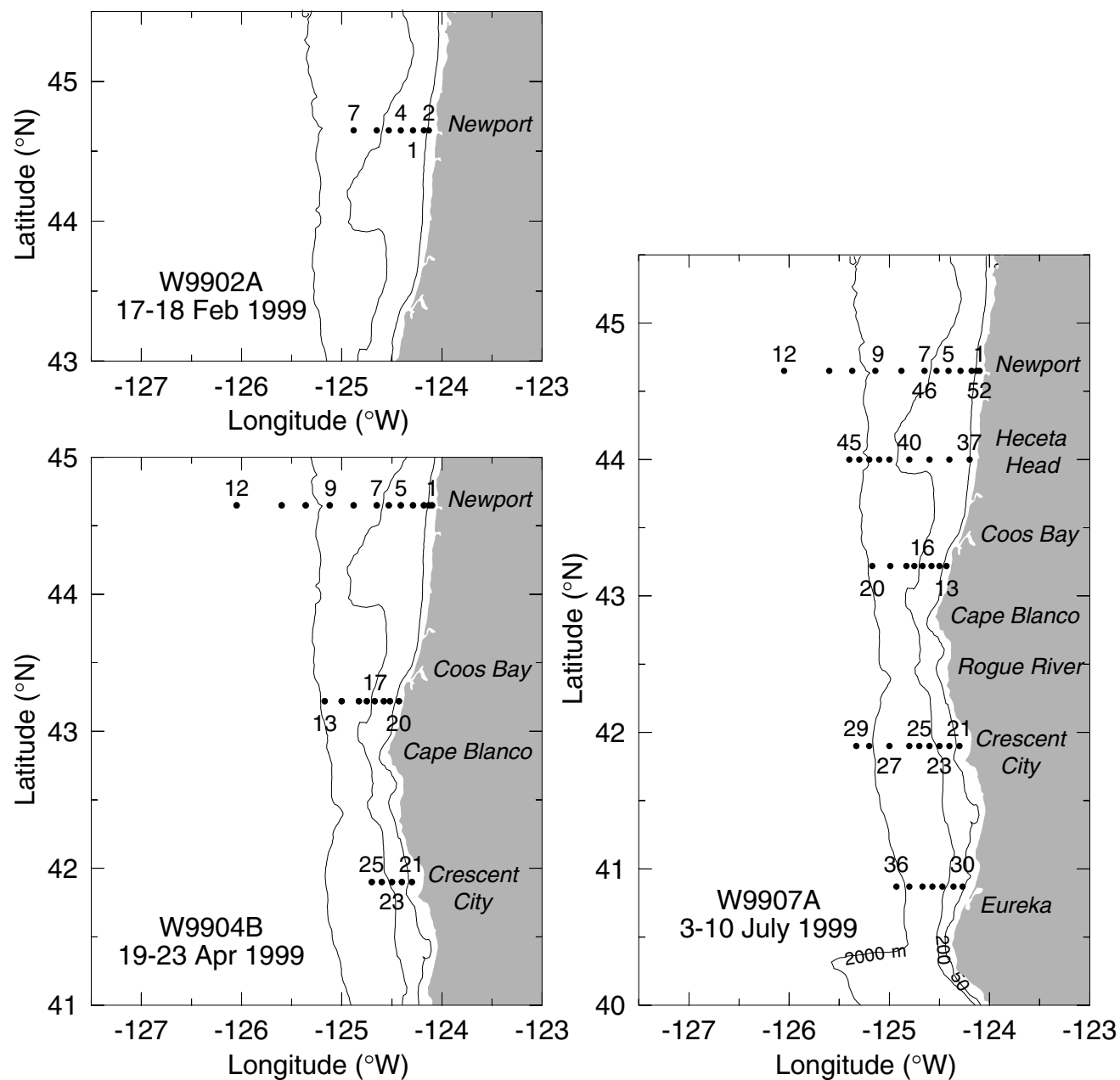


Figure 2. Location of CTD stations during W9902A, W9904B and W9907A.

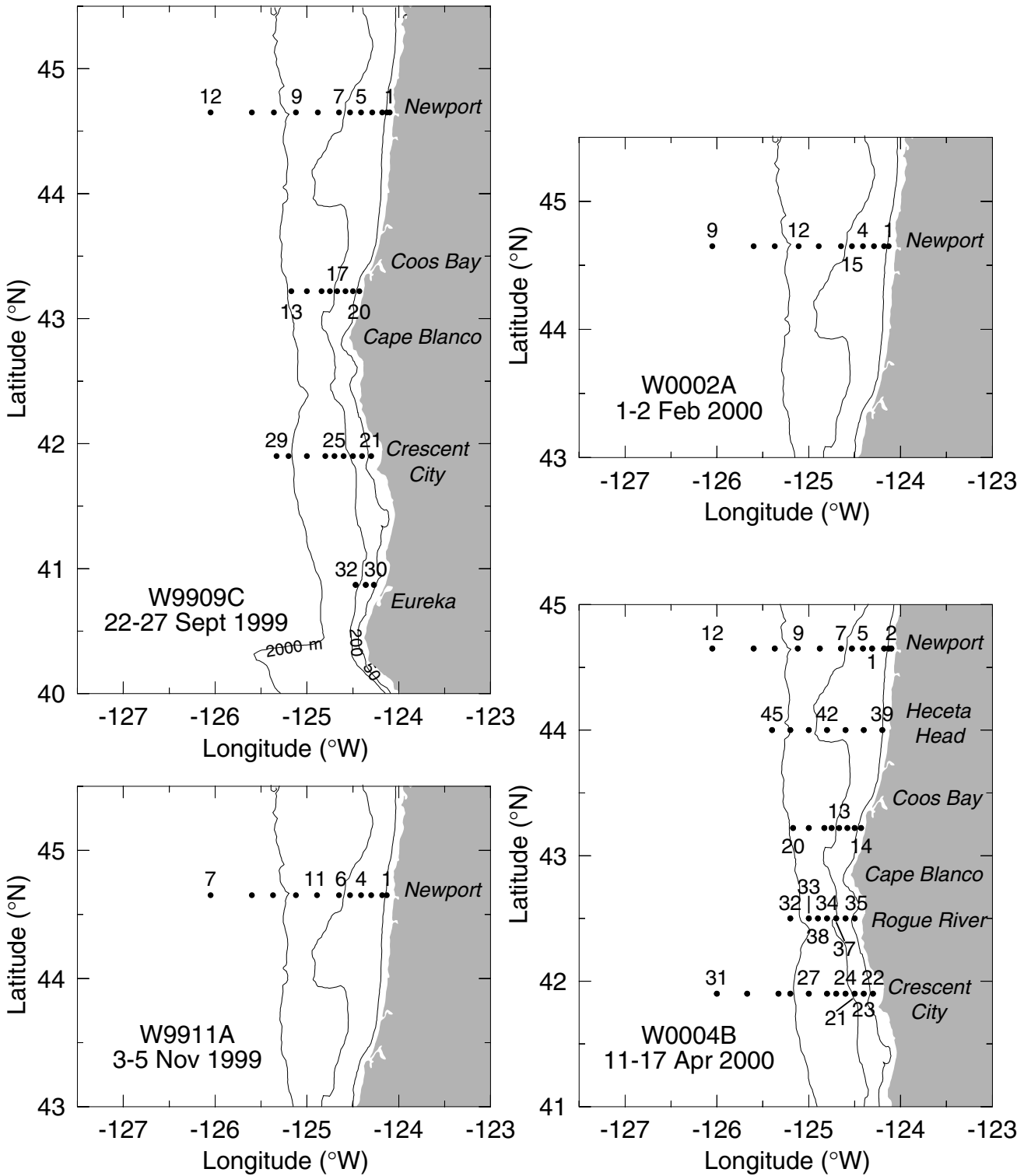


Figure 3. Location of CTD stations during W9909C, W9911A, W0002A and W0004B.

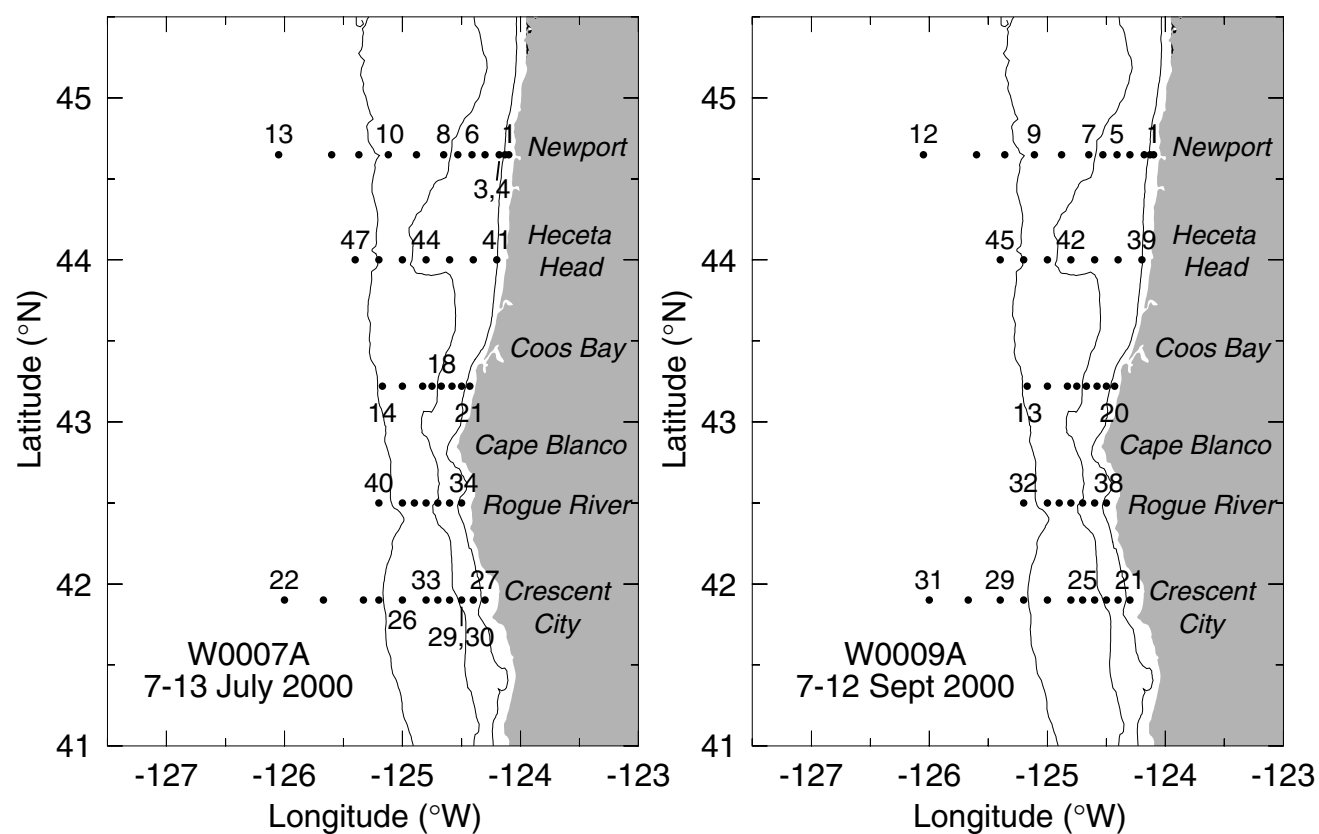


Figure 4. Location of CTD stations during W0007A and W0009A.

Table 1. Stations occupied along the 5 hydrographic lines: Newport, Five Mile, Crescent City, Eureka and CODE Central during the 1999 GLOBEC cruises.

Station	W9902a 17-18 Feb	W9904b 19-23 Apr	W9907a 3-10 July	W9909c 22-27 Sept	W9911a 3-5 Nov
NH-1		1	1,52	1	
-3	2	2	2,51	2	1
-5	3	3	3,50	3	2
-10	1	4	4,49	4	3
-15	4	5	5,48	5	4
-20	5	6	6,47	6	5
-25	6	7	7,46	7	6
-35	7	8	8	8	11
-45		9	9	9	10
-55		10	10	10	9
-65		11	11	11	8
-85		12	12	12	7
FM-1		20	13	20	
-3		19	14	19	
-4		18	15	18	
-5		17	16	17	
-6		16	17	16	
-7		15	18	15	
-8		14	19	14	
-9		13	20	13	
CR-1		21	21	21	
-2		22	22	22	
-3		23	23	23	
-4		24	24	24	
-5		25	25	25	
-6			26	26	
-7			27	27	
-8			28	28	
-9			29	29	
EUR-1			30	30	
-2			31	31	
-3			32	32	
-4			33		
-5			34		
-6			35		
-7			36		
HH-1			37		
-2			38		
-3			39		
-4			40		
-5			41		
-6			42		
-7			43		
-8			44		
-9			45		

Table 2. Stations occupied along the 5 hydrographic lines: Newport, Five Mile, Crescent City, Rogue River and Heceta Head during the 2000 GLOBEC cruises.

Station	W0002a 1-2 Feb	W0004b 11-17 Apr	W0007a 7-13 July	W0009a 7-12 Sept
NH-1		2	1	1
-3	1	3	2	2
-5	2	4	3,4	3
-10	3	1	5	4
-15	4 <sup>1</sup>	5	6	5
-20	15	6	7	6
-25	14	7	8	7
-35	13	8	9	8
-45	12	9	10	9
-55	11	10	11	10
-65	10	11	12	11
-85	9	12	13	12
FM-1		14	21	20
-3		15	20	19
-4		13	19	18
-5		16	18	17
-6		17	17	16
-7		18	16	15
-8		19	15	14
-9		20	4	13
CR-1		22	27	21
-2		23	28	22
-3		21	29,30	23
-4		24	31	24
-5		25	32	25
-6		26	33	26
-7		27	26	27
-8		28	25	28
-9		29	24	29
-10		30	23	30
-11		31	22	31
RR-1		35	34	38
-2		36	35	37
-3		37	36	36
-4		34	37	35
-5		38	38	34
-6		33	39	33
-7		32	40	32
HH-1		39	41	39
-2		40	42	40
-3		41	43	41
-4		42	44	42
-5		43	45	43
-6				
-7		44	46	44
-8				
-9		45	47	45

<sup>1</sup> Stations 5-8 were net tows only.

Table 3. Names, affiliations, and responsibilities of scientific personnel participating on the LTOP Cruises.

			W9902A	W9904B	W9907A	W9909C	W9911A	W0002A	W0004B	W0007A	W0009A
Robert L. Smith	OSU	CTD	x	x		x	x			x	x
Adriana Huyer	OSU	CTD	x	x	x	x	x	x	x	x	x
P. Michael Kosro	OSU	ADCP, CTD	x	x	x	x			x		
Jane Fleischbein	OSU	CTD	x	x	x	x	x	x	x	x	x
Sheila O'Keefe	OSU	CTD	x	x	x	x	x		x		
Margaret Sparrow	OSU	CTD						x	x	x	x
Joe Jennings	OSU	CTD, oxygen			x	x			x		x
Andrew Ross	OSU	CTD, oxygen		x			x			x	
Walt Waldorf	OSU	Moorings	x						x		
Lex Van Geen	LDEO	chemistry			x						
Nicole Ventriello	LDEO	chemistry			x						
Zanna Chase	LDEO	chemistry			x						
Patricia Wheeler	OSU	nuts, chl			x						
Jon Hill	OSU	nuts, chl		x	x						
Nobu Kawasaki	OSU	nuts, chl	x					x	x	x	
Holly Corwith	OSU	nuts, chl	x	x	x	x	x				x
Mariachiara Naldi	OSU	nuts, chl	x	x	x						
Dale Hubbard	OSU	nuts, chl		x					x		
Julie Arrington	OSU	nuts, chl				x	x	x		x	x
Pat Collier	OSU	nuts, chl				x					
Woody Moses	OSU	nuts, chl					x	x	x	x	x
Karin Didriksen	OSU	nuts, chl					x				
Lee Karp-Boss	OSU	nuts, chl						x	x		x
Jennifer Harman	OSU	nuts, chl								x	x
Sheryl Horstman	OSU	nuts, chl	x			x	x				
Erin Clark	OSU	nuts, chl								x	
William T Peterson	HMSC	zooplankton		x	x	x		x	x	x	x
Curtis Roegner	OIMB	zooplankton	x	x							
Julie Keister	HMSC	zooplankton	x	x	x	x	x	x	x	x	x
Leah Feinberg	HMSC	zooplankton		x	x	x	x	x	x	x	x
Kym Jacobson	HMSC	zooplankton	x								
Cheryl Morgan	HMSC	zooplankton					x				
Eric Milbrant	OIMB	zooplankton	x								
Mark Amend	ODFW	zooplankton						x			
Michael Green	ODFW	zooplankton							x		
Amy Chiuchiolo	OSU	zooplankton				x					
Anders Roestad	OSU	zooplankton								x	x
Marc Willis	OSU	martec					x				
Linda Fayler	OSU	martec	x	x		x		x	x	x	x
Daryl Swensen	OSU	martec	x	x	x				x	x	x

Table 4. CTD stations occupied during W9902A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kts)	Chlor., Nuts.
1	NH-10	17 Feb	2326	44°39.1'N	124°17.7'W	80	1020.0	255	10	
2	NH-3	18 Feb	0140	44°39.2'	124°07.8'	45	1019.0	015	10	
3	NH-5		0220	44°38.2'	124°10.6'	56	1018.8	215	10	Y
4	NH-15		0359	44°39.2'	124°24.7'	92	1017.2	150	13	Y
5	NH-20		0545	44°39.2'	124°31.7'	139	1015.0	180	15	
6	NH-25		0635	44°39.2'	124°38.9'	298	1013.8	180	17	Y
7	NH-35		0908	44°39.3'	124°53.0'	441	1008.5	160	20	Y

Table 5. CTD stations occupied during W9904B.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	19 April	2030	44°39.3'N	124°06.1'W	24	1025.9	185	22	
2	NH-3		2146	44°39.1'	124°07.8'	47	1025.2	185	22	
3	NH-5		2225	44°39.0'	124°10.8'	61	1025.1	185	21	Y
4	NH-10	20 April	0015	44°39.0'	124°17.7'	81	1024.1	280	14	
5	NH-15		0157	44°39.1'	124°24.7'	90	1024.9	280	6	Y
6	NH-20		0405	44°39.1'	124°31.7'	142	1026.0	280	10	
7	NH-25		0503	44°39.1'	124°39.1'	295	1026.3	280	12	Y
8	NH-35		0736	44°39.1'	124°53.0'	434	1026.3	284	15	Y
9	NH-45		0922	44°39.1'	125°07.0'	698	1026.5	285	14	Y
10	NH-55		1211	44°39.1'	125°21.9'	2864	1027.1	---	---	
11	NH-65		1420	44°39.3'	125°36.2'	2856	1027.7	310	11	Y
12	NH-85		1834	44°39.1'	126°03.0'	2881	1028.0	270	3	Y
13	FM-9	21 April	0257	43°13.0'	125°10.0'	1651	1024.5	350	14	Y
14	FM-8		0505	43°13.0'	125°00.0'	1078	1024.1	350	11	Y
15	FM-7		0831	43°13.1'	124°50.0'	344	1022.0	010	10	Y
16	FM-6		1035	43°13.1'	124°45.0'	312	1020.8	000	8	
17	FM-5		1147	43°13.0'	124°40.1'	158	1020.4	000	3	Y
18	FM-4		1345	43°13.0'	124°35.1'	86	1019.8	090	3	Y
19	FM-3		1510	43°13.0'	124°31.0'	62	1019.5	170	7	Y
20	FM-1		1642	43°13.0'	124°26.0'	33	1018.9	170	6	
21	CR-1		2350	41°54.0'	124°18.0'	41	1018.0	290	5	Y
22	CR-2	22 April	0102	41°53.9'	124°24.1'	69	1028.5	---	4	
23	CR-3		0218	41°54.0'	124°30.0'	137	1028.5	340	16	Y
24	CR-4		0355	41°53.9'	124°36.0'	506	1018.9	340	33	Y
25	CR-5		0700	41°54.0'	124°41.9'	653	1020.2	345	29	Y



Table 6. CTD stations during W9907A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	3 July	1850	44°39.1'N	124°06.1'	27	1013.9	180	10	
2	NH-3		1949	44°39.0'	124°07.8'	46	1014.1	180	10	
3	NH-5		2051	44°39.1'	124°10.5'	58	1014.5	----	calm	Y
4	NH-10		2214	44°39.1'	124°17.7'	81	1014.5	----	calm	
5	NH-15	4 July	2331	44°39.0'	124°24.8'	91	1015.0	260	3	Y
6	NH-20		0115	44°39.1'	124°31.6'	141	1015.0	260	11	
7	NH-25		0233	44°39.1'	124°39.0'	294	1015.0	295	13	Y
8	NH-35		0510	44°39.1'	124°53.0'	446	1015.2	290	7	Y
9	NH-45		0731	44°39.1'	125°08.5'	881	1016.5	270	calm	Y
10	NH-55		1019	44°39.1'	125°22.1'	2862	1016.0	270	calm	
11	NH-65		1211	44°39.1'	125°36.0'	2857	1017.0	240	7	Y
12	NH-85		1539	44°39.1'	126°03.1'	2881	1018.5	290	11	Y
13	FM-1	5 July	0204	43°13.0'	124°26.0'	33	----	357	12	
14	FM-3		0302	43°13.0'	124°30.1'	61	1022.1	340	17	Y
15	FM-4		0408	43°13.0'	124°35.1'	84	1022.1	000	17	Y
16	FM-5		0514	43°13.0'	124°40.0'	155	1022.2	000	15	Y
17	FM-6		0704	43°13.0'	124°45.2'	323	1022.5	016	22	Y
18	FM-7		0807	43°13.2'	124°49.8'	347	1022.5	1020	22	Y
19	FM-8		1007	43°13.2'	124°59.6'	1078	1022.5	344	18	Y
20	FM-9		1208	43°13.0'	125°10.0'	1638	1021.0	033	20	Y
21	CR-1		2101	41°54.0'	124°18.0'	40	1018.0	220	9.5	Y
22	CR-2		2201	41°54.0'	124°24.0'	67	1018.5	295	12	Y
23	CR-3		2305	41°54.0'	124°29.9'	136	1018.0	335	17	Y
24	CR-4		0035	41°54.0'	124°35.9'	507	1018.0	330	17	Y
25	CR-5	6 July	0224	41°54.0'	124°42.0'	659	1018.0	325	20	Y
26	CR-6		0405	41°54.0'	124°48.0'	696	1018.3	330	17	
27	CR-7		0547	41°54.1'	125°00.0'	831	1019.1	340	15	Y
28	CR-8		0803	41°54.0'	125°12.0'	2726	1019.5	330	15	Y
29	CR-9		0943	41°54.0'	125°20.1'	3097	1019.5	300	13	Y
30	EUR-1		2029	40°52.2'	124°16.0'	60	1020.0	000	15	Y
31	EUR-2		2131	40°52.1'	124°21.9'	112	1020.0	000	10	Y
32	EUR-3		2258	40°52.0'	124°28.0'	378	1020.8	350	8	Y
33	EUR-4	7 July	0037	40°52.0'	124°33.9'	556	1025.5	350	8	Y
34	EUR-5		0138	40°52.0'	124°40.0'	721	1020.8	330	12	
35	EUR-6		0338	40°52.0'	124°48.0'	1507	1021.0	330	14	Y
36	EUR-7		0511	40°51.9'	124°56.0'	2930	1022.0.	330	12	
37	HH-1	8 July	0144	44°00.0'	124°12.0'	54	1026.0	030	11	Y
38	HH-2		0303	44°00.0'	124°24.0'	121	1025.9	350	17	Y
39	HH-3		0439	44°00.0'	124°36.0'	154	1025.8	020	18	Y
40	HH-4		0623	44°00.0'	124°48.0'	110	1026.0	020	23	Y
41	HH-5		0820	44°59.9'	124°59.9'	922	1025.5	037	18	Y
42	HH-6		1044	44°00.2'	125°05.9'	1407	1024.5	032	28	
43	HH-7		1202	44°00.0'	125°11.9'	1686	1023.0	035	22	Y
44	HH-8		1321	44°59.9'	125°17.8'	2846	1023.0	025	22	
45	HH-9		1439	44°00.0'	125°24.0'	2990	1023.0	020	22	Y
46	NH-25		1123	44°39.1'	124°39.0'	292	1018.2	0340	15	Y
47	NH-20		1235	44°39.1'	124°31.7'	141	1019.0	340	15	Y
48	NH-15		1340	44°39.1'	124°24.7'	93	1019.1	340	11	Y
49	NH-10		1433	44°39.1'	124°17.7'	80	1019.5	var	3	Y
50	NH-5		1539	44°39.1'	124°10.6'	57	1020.0	var	2	Y
51	NH-3		1624	44°39.1'	124°07.8'	48	1020.0	160	9	Y
52	NH-1		1700	44°39.1'	124°06.0'	27	1020.4	180	12	Y

Table 7. CTD stations during W9909C.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	22 Sept.	1829	44°39.1'	124°06.0'	28	1018.2	340	12	
2	NH-3		1929	44°39.1'	124°07.8'	48	1018.0	000	8-10	
3	NH-5		2004	44°39.1'	124°10.5'	58	1018.2	005	10	Y
4	NH-10		2133	44°39.0'	124°17.7'	80	1018.0	000	12	
5	NH-15		2302	44°39.1'	124°24.6'	94	1017.8	350	15	Y
6	NH-20	23 Sept.	0520	44°39.1'	124°31.7'	143	1016.9	340	9	
7	NH-25		0631	44°39.1'	124°39.0'	295	1016.8	335	8	Y
8	NH-35		0922	44°39.0'	124°52.9'	436	1016.9	330	12	Y
9	NH-45		1058	44°39.1'	125°07.0'	716	1016.4	320	5	Y
10	NH-55		1335	44°39.3'	125°21.6'	2857	1017.0	300	10	
11	NH-65		1530	44°39.1'	125°36.0'	2864	1017.0	230	5	Y
12	NH-85		1845	44°39.1'	126°03.0'	2883	1018.9	340	17	Y
13	FM-9	24 Sept.	0333	43°13.0'	125°10.0'	1664	1018.9	020	15	Y
14	FM-8		0601	43°13.0'	125°00.1'	1084	1019.6	020	17	Y
15	FM-7		0912	43°12.9'	124°50.2'	340	1019.0	005	25-30	Y
16	FM-6		1125	43°13.0'	124°45.0'	314	1019.5	010	25	
17	FM-5		1223	43°13.0'	124°39.9'	152	1019.8	020	17	Y
18	FM-4		1407	43°13.0'	124°34.9'	83	1020.5	020	15	Y
19	FM-3		1513	43°13.0'	124°30.0'	65	1021.3	015	12	Y
20	FM-1		1612	43°13.0'	124°26.0'	35	1021.4	020	10	Y
21	CR-1		2330	41°54.1'	124°18.0'	39	1018.5	330	23	Y
22	CR-2	25 Sept.	0037	41°54.1'	124°23.1'	67	1018.2	000	35	
23	CR-3		0145	41°54.0'	124°30.0'	134	1020.0	340	14	Y
24	CR-4		0300	41°54.0'	124°36.2'	505	1021.0	340	14	Y
25	CR-5		0504	41°54.0'	124°42.0'	657	1022.8	0000	6	Y
26	CR-6		0726	41°54.0'	124°47.9'	696	1023.5	000	7	
27	CR-7		0906	41°54.0'	125°00.0'	836	1023.8	000	5	Y
28	CR-8		1141	41°54.0'	125°12.0'	2713	1024.1	000	14	
29	CR-9		1313	41°54.0'	125°19.9'	3098	1024.8	025	12	Y
30	EUR-1		2107	40°52.0'	124°16.0'	61	1022.2	000	30+	Y
31	EUR-2		2222	40°52.0'	124°21.9'	111	1022.5	000	20-30	Y
32	EUR-3	26 Sept.	0006	40°52.0'	124°28.0'	381	1021.4	000	35	Y

Table 8. CTD stations during W9911A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-3	3 Nov	2145	44°39.1'N	124°07.8'W	47	1017.8	190	39	
2	NH-5		2237	44°39.1'	124°10.6'	57	1017.1			Y
3	NH-10	4 Nov	0007	44°39.0'	124°17.8'	80	1016.8	190	28	
4	NH-15		0125	44°39.1'	124°24.6'	95	1018.0	190	15	Y
5	NH-20		0343	44°39.0'	124°31.7'	143	1020.0	280	12	
6	NH-25		0508	44°39.1'	124°39.0'	295	1021.2	325	11	Y
7	NH-85		1410	44°39.1'	126°03.0'	2882	1024.2	015	15	Y
8	NH-65		1656	44°39.1'	125°35.9'	2861	1024.3	var	2	Y
9	NH-55		1956	44°39.0'	125°22.2'	2868	1023.2	060	16	
10	NH-45		2218	44°39.1'	125°07.4'	741	1022.0	050	12	Y
11	NH-35	5 Nov	0105	44°39.1'	124°53.1'	452	1019.2	040	12	

Table 9. CTD stations occupied during W0002A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-3	1 Feb	2041	44°39.2'N	124°07.8'W	47	1020.0	213	22	
2	NH-5		2139	44°39.1'	124°10.7'	58	1019.9	222	26	Y
3	NH-10	2 Feb	0005	44°39.1'	124°17.7'	79	1021.1	233	30	
4	NH-15		0150	44°39.0'	124°24.4'	94	1021.5	230	30	Y
9	NH-85		1432	44°39.1'	126°02.9'	2886	1027.0	045	10	Y
10	NH-65		1731	44°39.1'	125°36.1'	2863	1027.5	055	13	Y
11	NH-55		1947	44°39.1'	125°22.0'	2867	1027.2	055	13	
12	NH-45		2225	44°39.1'	125°06.9'	698	1024.5	061	19	Y
13	NH-35		0032	44°39.1'	124°53.1'	448	1023.0	050	20	Y
14	NH-25		0209	44°39.1'	124°39.0'	294	1023.0	050	20	Y
15	NH-20		0321	44°39.1'	124°31.7'	142	1021.5	050	18	

Table 10. CTD stations occupied during W0004B.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Depth	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-10	11 April	2208	44°38.7'N	-124°18.6'W	81	1016.8	340	12	
2	NH-1		2346	44°39.1'	-124°06.0'	28	1015.9	005	12	
3	NH-3	12 April	0020	44°39.1'	-124°07.8'	48	1015.9	005	10	
4	NH-5		0103	44°39.1'	-124°10.6'	60	1016.4	200	12	Y
5	NH-15		1045	44°39.1'	-124°24.7'	97	1017.9	185	10	Y
6	NH-20		1211	44°39.1'	-124°31.7'	143	1017.5	var	3	
7	NH-25		1346	44°39.1'	-124°39.0'	296	1018.0	var	5	Y
8	NH-35		1555	44°39.1'	-124°53.0'	449	1018.7	200	9	Y
9	NH-45		1856	44°39.1'	-125°07.0'	700	1018.0	120	10	Y
10	NH-55		2326	44°39.2'	-125°22.0'	2865	1015.5	050	6	
11	NH-65	13 April	0111	44°39.1'	-125°36.0'	2860	1014.5	065	10	Y
12	NH-85		0402	44°39.1'	-126°03.0'	2885	1013.9	120	13	Y
13	FM-4		1403	43°13.0'	-124°35.1'	85	1013.5	180	20	Y
14	FM-1		1605	43°13.0'	-124°26.0'	36	1013.8	185	11	
15	FM-3		1650	43°13.0'	-124°30.0'	61	1013.9	190	12	Y
16	FM-5		1844	43°13.0'	-124°40.0'	157	1014.0	180	16	Y
17	FM-6		2138	43°13.0'	-124°45.0'	311	1013.2	190	28	
18	FM-7		2235	43°13.0'	-124°49.9'	342	1013.3	190	28	Y
19	FM-8	14 April	0158	43°13.0'	-125°00.0'	1080	1013.2	205	16	Y
20	FM-9		0400	43°13.0'	-125°09.9'	1642	1013.4	200	10	Y
21	CR-3		1323	41°54.0'	-124°30.0'	137	1012.5	115	5	Y
22	CR-1		1554	41°54.0'	-124°18.0'	42	1013.5	var	4	Y
23	CR-2		1749	41°54.0'	-124°24.0'	69	1013.9	190	4	
24	CR-4		1903	41°53.9'	-124°35.9'	501	1014.5	295	12	Y
25	CR-5		2253	41°54.0'	-124°42.0'	657	1014.0	280	16	Y
26	CR-6	15 April	0147	41°54.0'	-124°48.1'	699	1014.0	200	7	
27	CR-7		0325	41°54.0'	-124°59.9'	833	1013.8	240	8	Y
28	CR-8		0654	41°54.0'	-125°12.0'	2728	1014.1	270	9	
29	CR-9		0842	41°54.0'	-125°20.0'	3054	1014.0	290	10	Y
30	CR-10		1114	41°54.0'	-125°40.1'	2885	1013.0	270	7	
31	CR-11		1324	41°54.0'	-126°00.0'	3279	1012.5	290	7	Y
32	RR-7		1847	42°30.0'	-125°12.0'	2935	1009.5	065	12	Y
33	RR-6		2059	42°30.0'	-125°00.0'	1747	1013.0	130	5	Y
34	RR-4		2258	42°30.0'	-124°48.0'	589	1012.5	160	9	Y
35	RR-1	16 April	0212	42°30.0'	-124°29.8'	35	1010.9	var	1-2	Y
36	RR-2		0323	42°30.0'	-124°36.0'	87	1012.5	290	7	Y
37	RR-3		0611	42°30.0'	-124°42.0'	132	1010.8	080	5	Y
38	RR-5		0936	42°30.0'	-124°54.1'	1164	1009.5	065	12	
39	HH-1		1845	44°00.0	-124°12.0'	55	1010.8	085	11	Y
40	HH-2		2012	44°00.0	-124°24.0'	121	1012.1	080	11	Y
41	HH-3		2221	44°00.0	-124°36.0'	154	1011.0	010	10	Y
42	HH-4	17 April	0054	44°00.0	-124°47.9'	110	1011.2	020	8	Y
43	HH-5		0400	44°00.0	-125°00.0'	933	1011.5	350	13	Y
44	HH-7		0553	44°00.0	-125°12.0'	1701	1012.3	035	17	Y
45	HH-9		0754	44°00.0	-125°24.0'	3019	1011.0	030	28	Y

Table 11. CTD stations during W0007A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Depth	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	7 July	1825	44°39.1'N	124°06.0'W	27	1017.4	000	14	
2	NH-3		1914	44°39.0'	-124°07.8'	46	1017.2	355	15	
3	NH-5		1957	44°39.1'	-124°10.7'	60	1017.4	355	15	
4	NH-5		2035	44°39.1'	-124°10.7'	60	1017.2	000	18	Y
5	NH-10	8 July	0023	44°39.1'	-124°17.8'	83	1016.9	340	16	
6	NH-15		0144	44°39.1'	-124°24.8'	94	1017.0	340	16	Y
7	NH-20		0411	44°39.1'	-124°31.8'	144	1017.4	350	11	
8	NH-25		0535	44°39.2'	-124°39.0'	296	1018.1	345	8	Y
9	NH-35		0859	44°39.2'	-124°52.9'	436	1018.0	355	10	Y
10	NH-45		1419	44°39.1'	-125°07.1'	702	1018.5	355	10	Y
11	NH-55		1627	44°39.1'	-125°22.0'	2866	1020.0	340	16	
12	NH-65		1824	44°39.1'	-125°36.0'	2858	1020.6	335	15	Y
13	NH-85		2115	44°39.1'	-126°03.1'	2882	1021.3	335	13	Y
14	FM-9		0637	43°13.0'	-125°10.0'	1658	1021.0	000	7	Y
15	FM-8	9 July	0826	43°13.0'	-125°00.0'	1079	1021.0	000	10	Y
16	FM-7		1102	43°13.0'	-124°50.0'	342	1020.0	000	10	Y
17	FM-6		1456	43°13.0'	-124°45.0'	313	1020.0	015	10	
18	FM-5		1559	43°13.0'	-124°39.9'	154	1020.8	035	14	Y
19	FM-4		1812	43°13.0'	-124°35.0'	87	120.6	020	12	Y
20	FM-3		2012	43°13.0'	-124°30.0'	58	1020.1	355	15	Y
21	FM-1		2142	43°13.0'	-124°26.0'	35	----	355	16	
22	CR-11		0650	41°54.0'	-126°00.1'	3321	1019.2	355	25	Y
23	CR-10		1044	41°53.9'	-125°39.9'	2933	1018.0	355	30	
24	CR-9		1319	41°54.1'	-125°20.0'	3098	1016.9	000	25	Y
25	CR-8		1516	41°54.0'	-125°11.9'	2713	1017.3	355	30	
26	CR-7		1738	41°54.0'	-125°00.0'	837	1016.3	350	34	Y
27	CR-1		2303	41°54.0'	-124°18.0'	41	1013.9	350	29	Y
28	CR-2		0010	41°53.9'	-124°23.9'	69	1013.9	000	30	
29	CR-3	11 July	0153	41°54.1'	-125°30.0'	136	1013.4	355	38	
30	CR-3		0606	41°54.0'	-125°30.1'	138	1015.3	005	25	Y
31	CR-4		0706	41°53.9'	-125°36.1'	510	1016.1	020	21	Y
32	CR-5		0841	41°54.0'	-125°42.0'	657	1016.0	020	20	Y
33	CR-6		1015	41°54.1'	-126°48.0'	697	1015.9	010	31	Y
34	RR-1		1625	42°30.0'	-125°30.0'	38	1016.1	350	27	Y
35	RR-2		1743	42°30.0'	-125°36.0'	88	1016.6	355	33	Y
36	RR-3		2015	42°30.0'	-124°42.0'	132	1016.8	005	33	Y
37	RR-4	12 July	0225	42°30.0'	-124°47.9'	578	1016.0	000	30	Y
38	RR-5		0753	42°30.0'	-124°54.1'	1160	1017.5	000	20	
39	RR-6		0939	42°30.1'	-124°59.9'	1766	1017.0	350	28	Y
40	RR-7		1232	42°30.1'	-125°12.0'	2962	1017.9	000	25	Y
41	HH-1		2347	44°00.0	-124°12.0'	54	1018.2	000	15	Y
42	HH-2		0129	44°00.0	-124°24.0'	121	1018.5	355	16	Y
43	HH-3		0402	44°00.0	-124°35.9'	155	1019.3	350	17	Y
44	HH-4		0630	44°00.0	-124°48.0'	112	1020.1	340	6	Y
45	HH-5		0813	44°00.1	-125°00.0'	926	1020.2	000	5	Y
46	HH-7		1148	44°00.0	-125°12.0'	1698	1020.8	var	8	Y
47	HH-9		1336	44°00.0	-125°24.0'	3022	1020.8	225	6	Y

Table 12. CTD stations during W0009A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Depth	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	7 Sept.	1819	44°39.1'N	124°06.0'W	29	1019.3	350	5	
2	NH-3		1922	44°39.2'	-124°07.9'	48	1018.9	350	5	
3	NH-5		2009	44°39.2'	-124°10.5'	58	1018.3	350	10	Y
4	NH-10		2156	44°39.0'	-124°17.8'	82	1017.3	340	10	
5	NH-15		2308	44°39.1'	-124°24.7'	94	1016.9	320	5	Y
6	NH-20	8 Sept.	0102	44°39.1'	-124°31.7'	144	1015.5	310	6	
7	NH-25		0220	44°39.1'	-124°39.0'	295	1014.8	290	7	Y
8	NH-35		0538	44°39.1'	-124°53.0'	441	1013.0	210	13	Y
9	NH-45		0854	44°39.1'	-125°06.9'	693	1012.0	270	15	Y
10	NH-55		1250	44°39.1'	-125°21.9'	2865	1010.0	250	21	
11	NH-65		1457	44°39.1'	-125°36.0'	2860	1010.8	280	19	Y
12	NH-85		1806	44°39.1'	-126°03.0'	2884	1012.5	295	19	Y
13	FM-9	9 Sept.	0331	43°13.0'	-125°10.0'	1663	1015.9	345	5	Y
14	FM-8		0525	43°13.0'	-125°00.0'	1082	1016.2	335	4	Y
15	FM-7		0739	43°13.0'	-124°50.0'	342	1016.2	320	6	Y
16	FM-6		1025	43°13.1'	-124°45.0'	308	1016.2	320	5	
17	FM-5		1132	43°13.0'	-124°40.0'	153	1016.1	040	2	Y
18	FM-4		1332	43°13.0'	-124°35.0'	87	1016.2	020	7	Y
19	FM-3		1519	43°13.0'	-124°30.0'	64	1017.0	075	5	Y
20	FM-1		1657	43°13.0'	-124°26.1'	36	1017.1	045	1	
21	CR-1	10 Sept.	0007	41°53.9'	-124°17.8'	41	1011.2	320	25	Y
22	CR-2		0124	41°54.1'	-124°23.9'	68	1011.9	320	30	
23	CR-3		0312	41°54.0'	-124°30.0'	139	1012.6	335	24	Y
24	CR-4		0509	41°54.0'	-124°36.1'	508	1013.8	330	20	Y
25	CR-5		0746	41°54.0'	-124°42.0'	660	1014.1	330	20	Y
26	CR-6		0910	41°54.0'	-124°48.0'	698	1014.3	325	12	
27	CR-7		1240	41°54.0'	-125°00.0'	837	1014.9	var	3	Y
28	CR-8		1426	41°54.0'	-125°12.0'	2718	1014.9	var	2	
29	CR-9		1610	41°54.0'	-125°24.0'	3098	1015.6	250	1	Y
30	CR-10		1822	41°54.0'	-125°40.0'	2930	1016.3	270	7	
31	CR-11		2041	41°54.0'	-126°00.0'	3323	1016.3	270	5	Y
32	RR-7	11 Sept.	0215	42°30.0'	-125°12.0'	2978	1015.9	335	12	Y
33	RR-6		0412	42°30.0'	-125°00.1'	1678	1015.9	000	14	Y
34	RR-5		0542	42°30.0'	-124°54.0'	1160	1015.9	350	15	
35	RR-4		0729	42°30.0'	-124°48.0'	600	1016.2	350	15	Y
36	RR-3		1057	42°29.9'	-124°42.0'	124	1016.0	340	24	Y
37	RR-2		1359	42°30.1'	-124°36.0'	86	1015.0	340	22	Y
38	RR-1		1512	42°30.0'	-124°30.0'	37	1016.1	345	11	Y
39	HH-1	12 Sept.	0030	44°00.0'	-124°12.0'	53	1015.1	350	15	Y
40	HH-2		0212	44°00.0'	-124°24.0'	121	1015.0	350	16	Y
41	HH-3		0355	44°00.0'	-124°36.0'	155	1015.3	355	16	Y
42	HH-4		0619	44°00.0'	-124°48.0'	112	1015.8	355	16	Y
43	HH-5		0847	44°00.0'	-125°00.2'	951	1016.1	355	14	Y
44	HH-7		1224	44°00.0'	-125°11.9'	1695	1016.0	355	15	Y
45	HH-9		1407	44°00.0'	-125°24.0'	3020	1016.0	355	17	Y
46	NH-10	15 Sept.	0248	44°38.6'	-124°18.4'	82	1016.1	165	17	
47	CBOS		2135	44°09.4'	-124°34.0'	100	1020.2	000	5	
48	RR-02	17 Sept.	0316	44°26.4'	-124°34.6'	76	1018.3	345	33	

Table 13. Location, time and date of drifter deployments. All drifters were of the standard WOCE holey-sock design and drogued at a depth of 15 m. OSU drifters were deployed under the supervision of Jack Barth, through the GLOBEC LTOP program.

Cruise Name	Drifter Number	Name of Site	Latitude (N)	Longitude (W)	Time (UTC)	Date (UTC)
W9904B	15882	NH-10	44°39.76'	124°17.29'	0114	20 April 1999
	15883	NH-15	44°38.04'	124°26.20'	0329	20 April 1999
	15884	NH-25	44°39.83'	124°39.34'	0636	20 April 1999
	15885	NH-45	44°39.83'	125°07.05'	1100	20 April 1999
	15886	NH-65	44°39.38'	125°36.05'	1627	20 April 1999
W9907A	15891	NH-10	44°39.34'	124°17.68'	2252	3 July 1999
	15892	NH-15	44°39.20'	124°24.40'	0029	4 July 1999
	15893	NH-25	44°39.07'	124°39.02'	0358	4 July 1999
	15894	NH-45	44°39.13'	125°08.63'	0916	4 July 1999
	15895	NH-65	44°38.78'	125°36.09'	1352	4 July 1999
W9909C	15887	NH-10	44°39.0'	124°17.7'	2223	22 Sept. 1999
	15888	NH-15	44°39.22'	124°24.76'	2336	22 Sept. 1999
	23682	NH-15	44°39.22'	124°24.76'	2336	22 Sept. 1999
	15889	NH-25	44°38.6'	124°39.0'	0819	23 Sept. 1999
	15896	NH-45	44°39.86'	125°08.34'	1232	23 Sept. 1999
	15897	NH-65	44°39.06'	125°36.34'	1700	23 Sept. 1999
W0004B	15899	NH-10	44°38.46'	124°18.78'	2240	11 April 2000
	15900	NH-15	44°39.12'	124°24.69'	1107	12 April 2000
	15864	NH-25	44°39.0'	124°39.0'	1417	12 April 2000
	15898	NH-45	44°39.09'	125°07.10'	2220	12 April 2000
	15901	NH-65	44°39.12'	125°35.95'	0210	13 April 2000
W0007A	15902	NH-10	44°39.11'	124°18.22'	0055	8 July 2000
	15903	NH-15	44°40.40'	124°26.88'	0327	8 July 2000
	15904	NH-25	44°40.82'	124°40.64'	0731	8 July 2000
	15905	NH-45	44°39.04'	125°07.16'	1514	8 July 2000
	15906	NH-65	44°39.10'	125°36.22'	1921	8 July 2000
W0009A	23184	NH-10	44°38.97'	124°18.14'	2221	7 Sept. 2000
	23185	NH-15	44°39.98'	124°25.22'	0015	8 Sept. 2000
	23186	NH-25	44°40.92'	124°40.87'	0421	8 Sept. 2000
	15907	NH-45	44°40.86'	125°08.35'	1126	8 Sept. 2000
	15914	NH-65	44°39.01'	125°36.06'	1612	8 Sept. 2000

## CTD Data Acquisition and Calibration

All CTD/rosette casts were made with a Sea-Bird 9/11-plus CTD system equipped with dual ducted temperature and conductivity sensors (Table 14). For all Wecoma cruises, a SeaTech transmissometer (S/N 1024D - 20cm) and SeaTech fluorometer were mounted adjacent to the CTD and a Sea-Bird Beckman-type dissolved oxygen sensor was mounted on the rosette adjacent to the CTD sensors.

The Sea Tech fluorometer (SN101S) had the time constant set to 1 second, and the range set to medium ( $X3 = 10 \text{ mg m}^{-3}$  chlorophyll). Both the fluorometer and transmissometer data were recorded as voltages by the CTD system. All fluorometer results are presented as fluorescence voltage.

Air Calibrations of transmissometer #1024D during cruises resulted in the following corrections of transmission voltage for these cruises:

$$W9902A \quad V_c = (4.681/4.650) * 0.9987 * (V_x - 0.000)$$

$$W9904B \quad V_c = (4.681/4.584) * 0.9987 * (V_x - 0.000)$$

$$W9907A \quad V_c = (4.681/4.680) * 0.9987 * (V_x - 0.000)$$

$$W9909C \quad V_c = (4.681/4.705) * 0.9987 * (V_x - 0.000)$$

$$W9911A \quad V_c = (4.681/4.739) * 0.9987 * (V_x - 0.000)$$

$$W0002A \quad V_c = (4.681/4.665) * 0.9987 * (V_x - 0.000)$$

$$W0004B \quad V_c = (4.681/4.681) * 0.9987 * (V_x - 0.000)$$

$$W0007A \quad V_c = (4.681/4.700) * 0.9987 * (V_x - 0.000)$$

$$W0009A \quad V_c = (4.681/4.745) * 0.9987 * (V_x - 0.000)$$

where  $V_c$  = calibrated output voltage and  $V_x$  = raw output voltage.

The calibrated voltage ( $V_c$ ) can be converted to percent light transmission (%T) by the formula:  $\%T = 20 * V_c$ . Transmission is presented as calibrated voltage in the data listings for all cruises except W0009A, where it is presented as percent light transmission. Calibrated transmission voltage is plotted for all cruises in Appendix A.

The pressure sensors were Digiquartz pressure transducers and calibrated by Sea-Bird (Table 14). The Sea-Bird CTD temperature and conductivity sensors were also calibrated by Sea-Bird at least once a year (Table 14). The deck unit provided a correction for the time lag between T0 and C0, and no correction for the lag between T1 and C1. Plots of T0-T1 differences were used to check the stability of the temperature calibrations. At each CTD station, samples were collected at one or more depths for *in situ* calibration of the conductivity sensors. Twelve 5-liter Niskin bottles were attached to the rosette and at most stations all of the bottles were fired. Nearly all of bottles were used for biological analyses, with one bottle reserved specifically for the CTD calibration. Usually one or two of the biologist's sample depths also coincided with a mixed region for an additional salinity sample, and duplicate salt samples were drawn from 1 to 3 Niskin bottles at each station. The pressure, temperature and conductivity data for each bottle firing depth were extracted from the recorded up cast data using the Sea-Bird Seasoft DATCNV and ROSSUM utilities.

One set of the duplicate salinity samples was usually run on a Guildline Portasal on board ship during the cruise, and the rest were run on a Guildline Autosol in a lab on shore. IAPSO Standard Water was used to standardize and check the salinometer at the beginning and end of each batch of 24 samples. The Guildline Portasal determines water sample salinity with a precision of  $\pm 0.002$  and an accuracy of  $\pm 0.003$ . Sample conductivity was calculated using the sample salinity value with the CTD temperature and pressure values; a value of



Table 14. Instruments and sensors used for CTD sampling, and dates of laboratory calibration. Cruise station numbers are listed for each CTD used, and unless otherwise indicated, a dot represents a sensor used for all stations of a cruise. CTD primary (P) and secondary (S) temperature and conductivity sensors are shown, with the sensor pair used in final processing marked (\*).

Instrument/ Sensor No.	Sea-Bird Calibrations			W9902A 17-18 Feb	W9904B 9-23 April	W9907A 3-10 July	W9909C 22-27 Sept	W9911A 3-5 Nov	W0002A 1-2 Feb	W0004B 11-17 Apr	W0007A 7-13 July	W0009A 7-12 Sept
<b>CTD/Rosette</b>												
<b>Ctd-256</b>				1-7	1-25	1-52	1-32	1-7	1-4, 9-15	1-45	1-47	1-48
Pressure 50130	18Dec97			•	•	•	•	•	•	•	•	•
<b>Temperature</b>												
1371	01Dec98	12Dec99		P	S*	S <sup>1</sup>	S	S	P*	P*	P	P <sup>2</sup>
1384	01Dec98	12Dec99		S*	P	P	P*	P*	S	S	S*	S
<b>Conductivity</b>												
1021	31Dec98	15Feb00					P*	P*			S*	S
1030	04Nov99								S	S		
1041	01Dec98	18Dec99		S*	S*	S	S	S	P*	P*	P	P
1538	31Dec98			P	P	P						
<b>Transmissometer</b>												
SeaTech 1024D	11Feb98			•	•	•	•	•	•	•	•	•
<b>Fluorometer</b>												
SeaTech 101S	01Nov94			•	•	•	•	•	•	•	•	•
<b>Oxygen</b>												
130504	17June98	8Mar99	17Feb00	•	•	•	•	•	•	•	•	•

<sup>1</sup> Secondary sensor pair used in final processing of W9907A for station 28; primary sensor pair used for all other stations.

<sup>2</sup> Primary sensor pair used in final processing of W0009A for stations 30, 35; secondary sensor pair used for all other stations.

4.2914 S m<sup>-1</sup> for the conductivity of standard sea water at 15°C (Culkin and Smith, 1980) was used to convert the measured sample conductivity ratios to conductivity. Occasionally the CTD-sample differences were larger than three standard deviations from the mean; these occurred in regions of sharp vertical gradients and were eliminated from the final calibration data sets. The results of the CTD - bottle comparison are shown in Table 15. When analysis showed a correction was needed, conductivity was corrected using the formula:

$$\text{corrected conductivity} = \text{correction (slope)} * \text{measured conductivity} + 0.0 \text{ (offset)}$$

In all cases when a correction was needed, a slope correction to conductivity was used with no offset.

The preferred sensor pair used in final CTD data processing for each cruise is shown in Table 14. The preferred pair was chosen by examining temperature and conductivity data for each cast for the least number of spikes (caused by biological detritus or electrical interference), and the calibration data. Unusual circumstances are summarized in Table 16.

Table 15. Results of *in situ* conductivity calibration for both sensor pairs. Columns show the range of station numbers, number of samples (N), correction applied to CTD conductivity, and the average and standard deviations of the bottle - ctd salinity differences.

Cruise	Stations	N(S0/S1)	Correction		Average		Standard Deviation	
			C0	C1	S0	S1	S0	S1
W9902A	1-7	23/23	1.00023723	1.00009966	0.009	0.004	0.003	0.003
W9904B	1-25	49/49	1.00030208	1.00010860	0.011	0.004	0.003	0.003
W9907A	1-52	91/91	1.00033450	1.00018358	0.012	0.007	0.004	0.004
W9909C	1-32	68/67	no corr.	no corr.	0.002	0.002	0.004	0.003
W9911A	1-11	27/27	no corr.	1.00016391	-0.001	0.006	0.002	0.003
W0002A	1-11	24/24	no corr.	1.00036812	-0.001	0.013	0.001	0.001
W0004B	1-45	81/78	no corr.	1.00041175	0.000	0.015	0.005	0.004
W0007A	1-47	94/94	1.00015581	no corr.	0.006	-0.002	0.002	0.002
W0009A	1-48	92/92	0.999764502	1.00023901	-0.009	0.009	0.003	0.002

Table 16. Data Acquisition and Processing Notes.

W9904B	<p>Spikes began appearing in the screen-displayed data during stations 11 and 12. Following station 12, the CTD was re-terminated after removing 25 ft of conducting wire above the rosette. Error lights flashed and spiking continued during the down and up casts of station 13. The altimeter was disconnected from the CTD and the pigtails from the CTD to the sea-cable were replaced. Following station 14, the CTD slip ring cable connection to the deck unit was redone, which stopped the spiking.</p> <p>Station 23 was paused at 100m to allow the scale to be changed on the screen display.</p>
W9909C	<p>During station 32, the secondary sensor duct was clogged during the down cast.</p>
W0004B	<p>Following station 20 the CTD was re-terminated due to spikes appearing in the data during station 20, and the CTD wire had a kink just above the rosette where it may have been caught in the door.</p> <p>Conductivity sensor #1030, used as the secondary conductivity sensor in W0002A and W0004B, was found to have a loose center electrode during its calibration at Sea Bird in July 2000. The cell was replaced and re-calibrated.</p>
W0007A	<p>The Niskin bottles misfired at station 3 so NH-5 was repeated as station 4. Station 4 continued to have a problem with bottles not closing when fired on screen, so the rosette was thoroughly washed and tested on deck prior to station 5. The rosette performed correctly for the next two stations, but had problems again at stations 7 and 8. Station 9 was done with the altimeter turned off, and all bottles fired correctly. After determining the altimeter interfered with the bottle-firing signal, the bottles fired correctly during rest of the cruise as long as the altimeter was turned off prior to firing the bottles.</p> <p>Due to rough weather, the CTD wire jumped one of the sheaves on the winch during station 29 at CR-3 and the cast was aborted. Upon retrieval of the CTD, the wire was re-terminated, and the cast at CR-3 was tried again. The CTD deck unit came on when the CTD was lowered into the water. The CTD was retrieved, the termination was re-wrapped and the cast at CR-3 was completed successfully.</p>

### **CTD Data Processing**

The CTD data were processed using the Sea-Bird SEASOFT software, and included all of the normal steps, i.e., using SEASOFT modules DATCNV, WILDEDIT, ALIGNCTD, CELLM, FILTER, LOOPEDIT, DERIVE and BINA VG to obtain 1-dbar average values of pressure, primary and secondary temperature, primary and secondary conductivity, dissolved oxygen concentration and the two voltages from the fluorometer and transmissometer. The ALIGNCTD module was run with the T-C offset for the primary sensor pair as 0.000 sec, and the T-C offset for the secondary sensor pair as 0.073 sec; oxygen was advanced 3.0 sec relative to pressure. The dissolved oxygen concentration was calculated by the DERIVE module using the manufacturer's calibration. CTD oxygen and results of oxygen titration of samples collected at a few stations are compared in Appendix B.

### **CTD Data Presentation**

Derived parameters, including salinity, potential temperature ( $\theta$ ), density anomaly ( $\sigma_\theta$ ) and specific volume anomaly were computed from the processed and calibrated 1-dbar values of temperature and conductivity using standard algorithms (Fofonoff and Millard, 1983).

For each station, we present a plot of the vertical temperature, salinity, and  $\sigma_\theta$  profiles, and a listing of the observed and derived variables at standard pressures. Header data includes the CTD Station Number and Name, Latitude (degrees and minutes North), Longitude (degrees and minutes West), Date and Time (UTC), and Bottom Depth (in meters).

Following the station plots and standard depth listings, vertical sections of temperature, salinity,  $\sigma_\theta$  and dissolved oxygen are shown for each hydrographic line.

### **Acknowledgements:**

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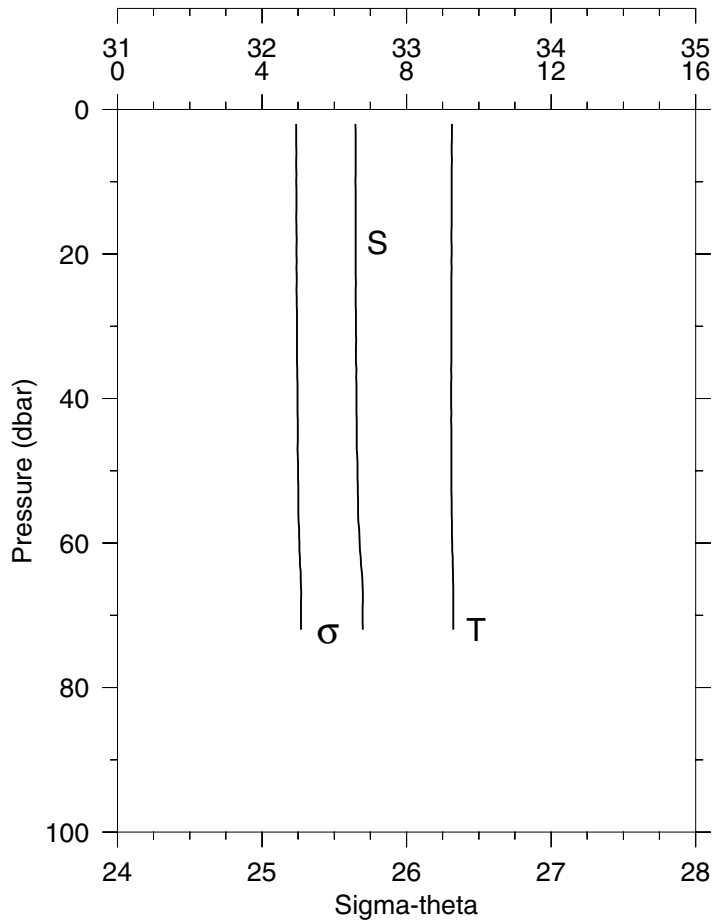
## CTD Data

Profiles of Temperature, Salinity and Density Anomaly  
Tabulated Values at Standard Depths

W9902A

### Station 1 NH-10 Temperature, Salinity

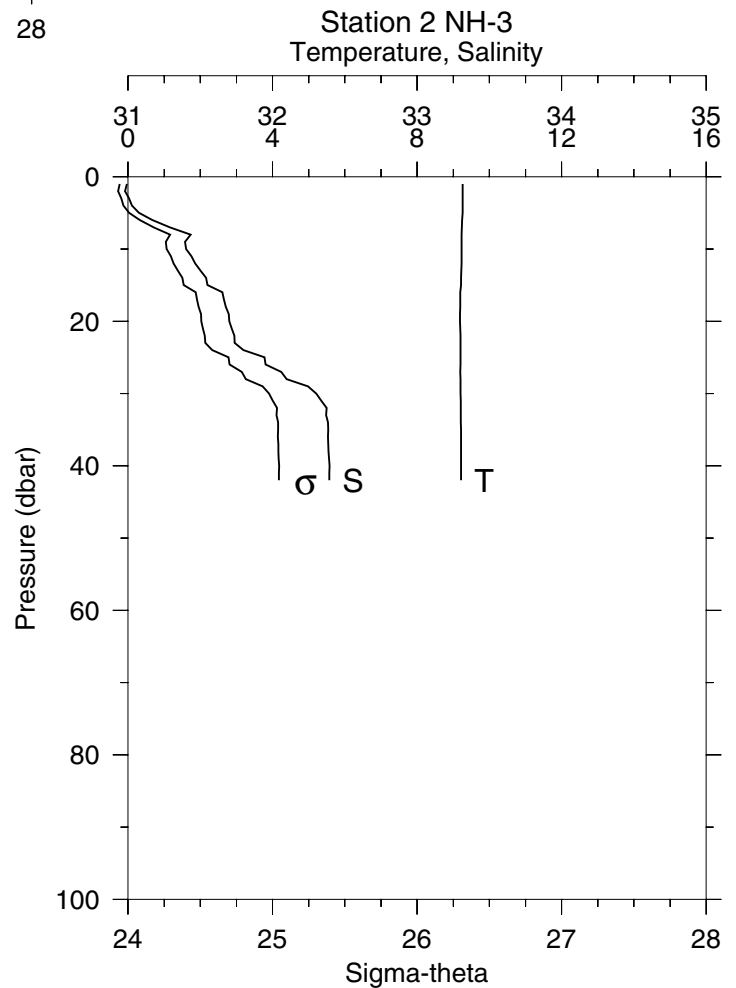
STA: 1 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W  
17 FEB 1999 2326 GMT DEPTH 80



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.26	32.646	9.26	25.236	0.054	0.33	4.45
10	9.25	32.646	9.25	25.237	0.272	0.42	4.45
20	9.25	32.648	9.24	25.239	0.545	0.43	4.45
30	9.24	32.649	9.24	25.241	0.817	0.43	4.44
40	9.24	32.654	9.23	25.246	1.089	0.43	4.41
50	9.24	32.660	9.24	25.249	1.362	0.41	4.35
60	9.26	32.676	9.26	25.259	1.633	0.45	4.27
70	9.29	32.696	9.29	25.270	1.904	0.50	3.94
72	9.29	32.697	9.29	25.270	1.958	0.49	3.86

STA: 2 NH-3 LAT: 44 39.2 N LONG: 124 7.9 W  
18 FEB 1999 0140 GMT DEPTH 45

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.26	30.993	9.26	23.943	0.040	0.96	3.24
10	9.23	31.402	9.23	24.267	0.383	0.87	3.59
20	9.19	31.701	9.19	24.508	0.735	0.72	3.93
30	9.20	32.303	9.20	24.976	1.060	0.57	4.21
40	9.22	32.394	9.22	25.045	1.353	0.68	3.05
42	9.22	32.393	9.22	25.044	1.411	0.72	2.54

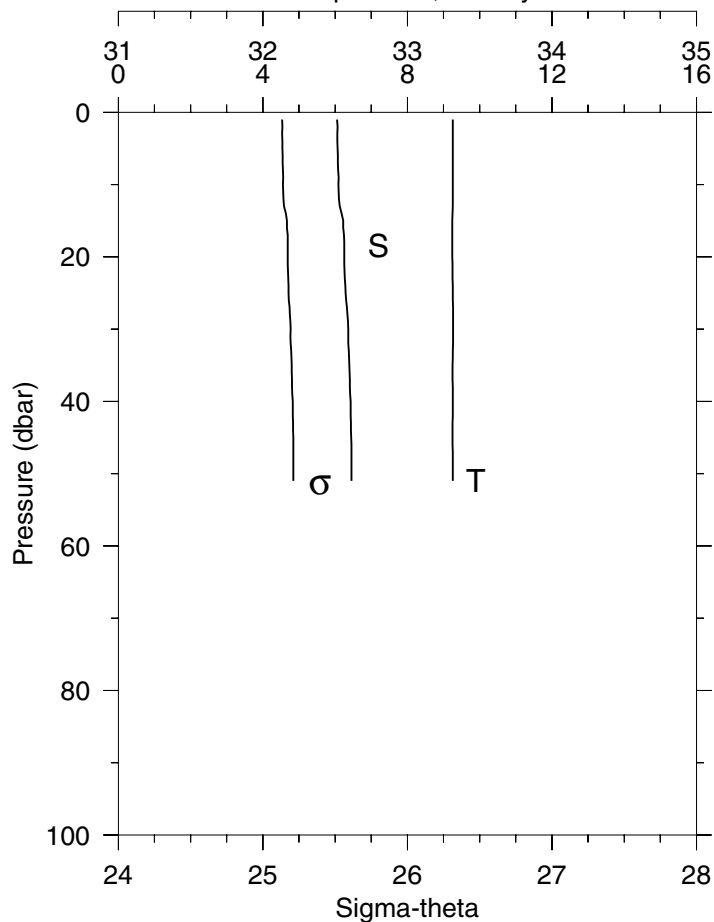




W9902A

### Station 3 NH-5 Temperature, Salinity

STA: 3 NH-5 LAT: 44 39.2 N LONG: 124 10.7 W  
18 FEB 1999 0220 GMT DEPTH 56

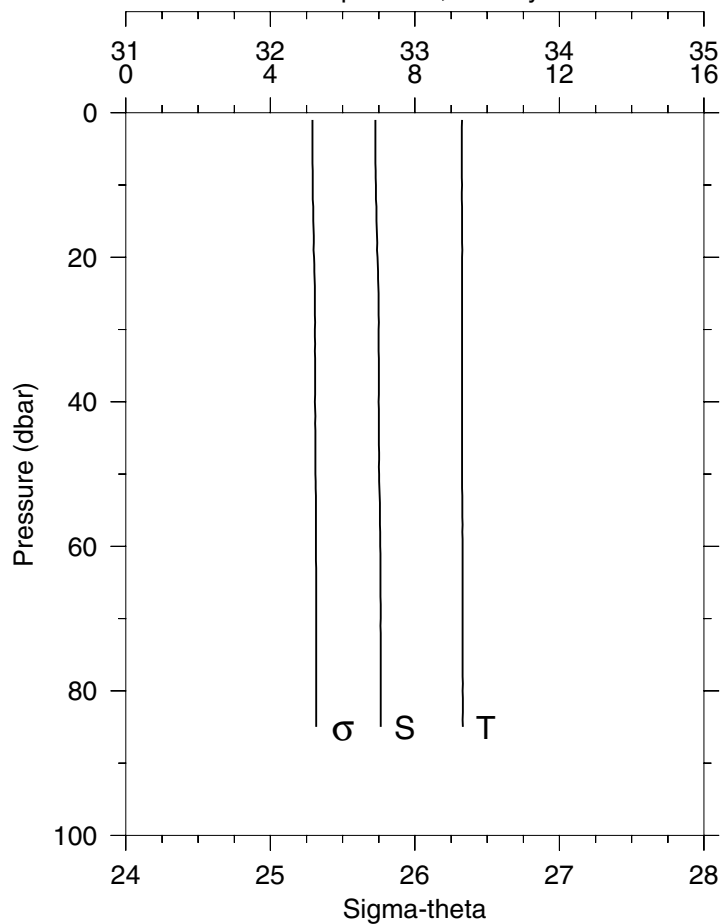


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.25	32.514	9.25	25.133	0.028	0.50	4.21
10	9.26	32.522	9.25	25.139	0.282	0.52	4.22
20	9.24	32.562	9.24	25.172	0.562	0.46	4.30
30	9.26	32.590	9.26	25.192	0.840	0.44	4.32
40	9.25	32.607	9.25	25.206	1.117	0.46	4.32
50	9.25	32.613	9.25	25.211	1.392	0.63	3.54
51	9.26	32.612	9.25	25.210	1.420	0.65	3.36

### Station 4 NH-15 Temperature, Salinity

STA: 4 NH-15 LAT: 44 39.2 N LONG: 124 24.8 W  
18 FEB 1999 0359 GMT DEPTH 92

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.30	32.727	9.30	25.291	0.027	0.48	4.33
10	9.30	32.730	9.30	25.294	0.267	0.53	4.35
20	9.31	32.741	9.31	25.302	0.534	0.53	4.40
30	9.31	32.749	9.31	25.308	0.800	0.49	4.34
40	9.31	32.749	9.30	25.308	1.066	0.47	4.31
50	9.30	32.752	9.30	25.312	1.332	0.47	4.30
60	9.32	32.760	9.31	25.316	1.598	0.46	4.29
70	9.32	32.763	9.31	25.317	1.864	0.50	4.24
80	9.32	32.764	9.32	25.318	2.130	0.47	4.19
85	9.32	32.764	9.32	25.318	2.263	0.47	4.19

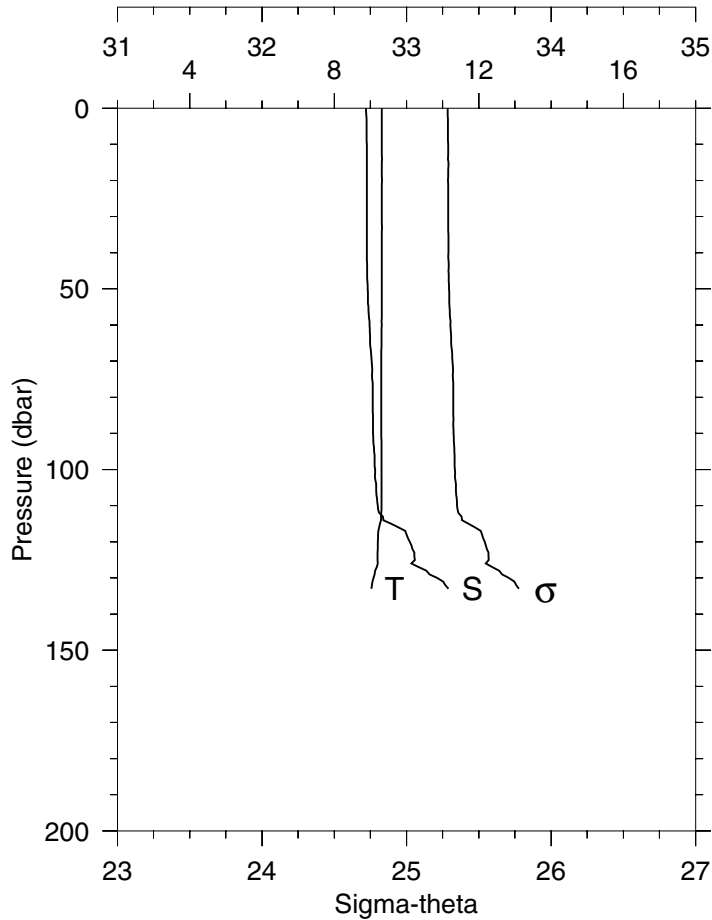


W9902A

### Station 5 NH-20

Temperature, Salinity

STA: 5 NH-20 LAT: 44 39.2 N LONG: 124 31.8 W  
18 FEB 1999 0545 GMT DEPTH 139



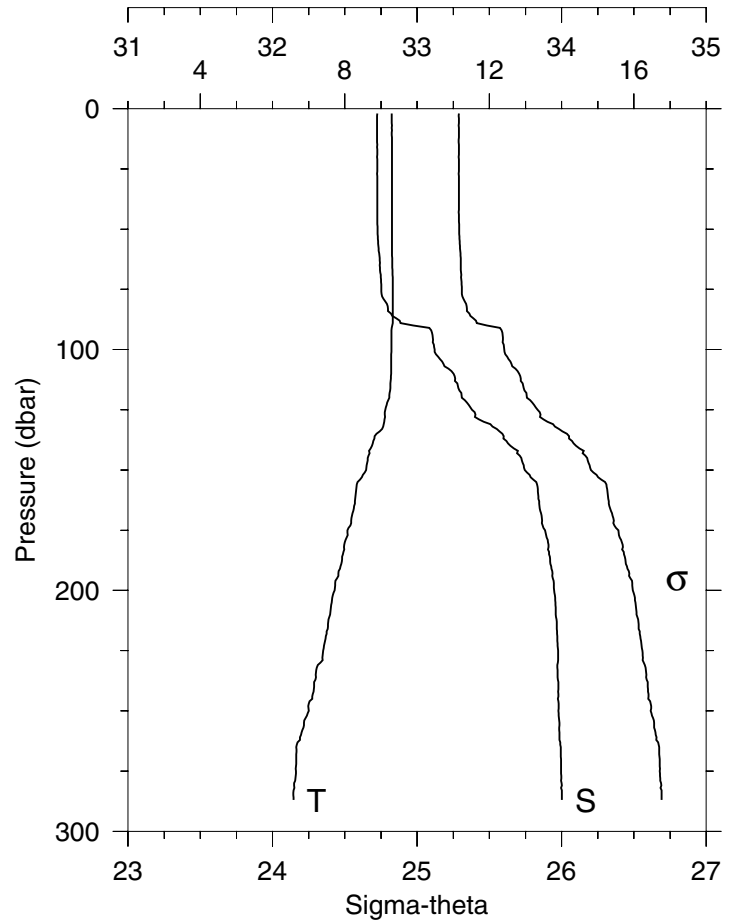
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
0	9.31	32.720	9.31	25.284	0.000	0.55	4.45
10	9.32	32.725	9.32	25.288	0.268	0.55	4.46
20	9.32	32.725	9.32	25.287	0.535	0.57	4.46
30	9.32	32.725	9.31	25.288	0.803	0.60	4.46
40	9.31	32.726	9.31	25.290	1.071	0.60	4.46
50	9.31	32.731	9.31	25.294	1.339	0.55	4.47
60	9.31	32.743	9.31	25.303	1.607	0.51	4.48
70	9.30	32.759	9.29	25.318	1.873	0.48	4.49
80	9.30	32.766	9.29	25.323	2.139	0.48	4.50
90	9.30	32.768	9.29	25.325	2.404	0.45	4.49
100	9.31	32.782	9.30	25.335	2.669	0.41	4.46
110	9.31	32.800	9.29	25.349	2.934	0.38	4.49
120	9.21	33.023	9.19	25.540	3.189	0.26	4.34
130	9.08	33.210	9.07	25.707	3.430	0.25	3.71
133	9.03	33.290	9.01	25.777	3.498	0.24	3.63

### Station 6 NH-20

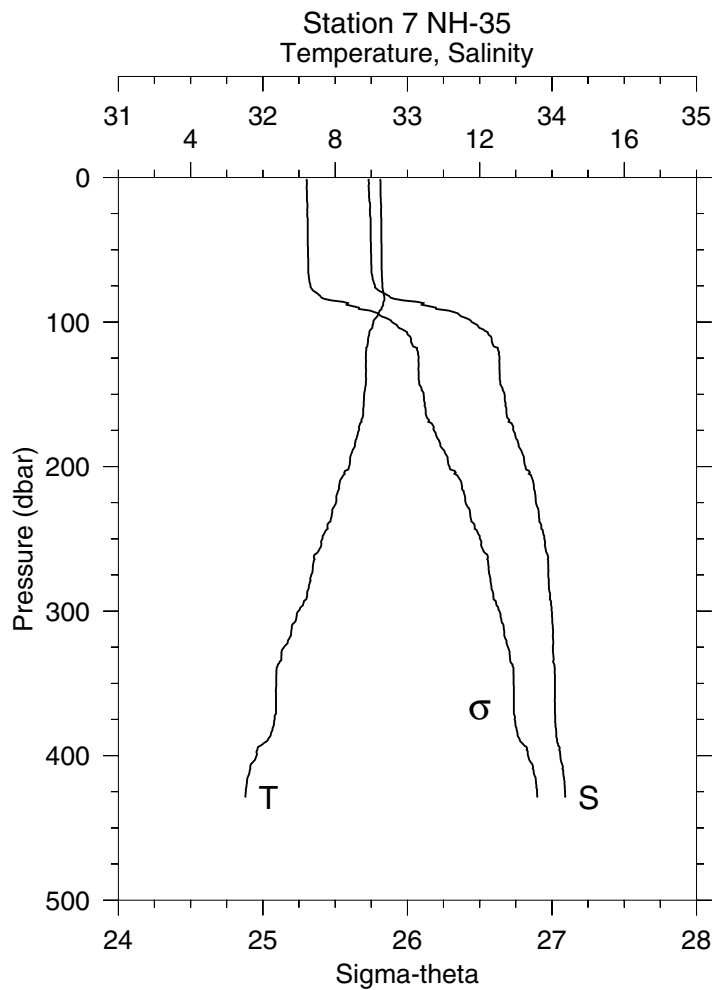
Temperature, Salinity

STA: 6 NH-25 LAT: 44 39.2 N LONG: 124 39.0 W  
18 FEB 1999 0635 GMT DEPTH 298

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.30	32.724	9.30	25.290	0.053	0.47	4.49
10	9.30	32.723	9.30	25.289	0.267	0.47	4.50
20	9.30	32.723	9.30	25.288	0.535	0.48	4.50
30	9.30	32.724	9.30	25.289	0.803	0.49	4.50
40	9.31	32.724	9.30	25.289	1.071	0.48	4.50
50	9.30	32.727	9.30	25.292	1.339	0.54	4.49
60	9.31	32.738	9.30	25.300	1.606	0.48	4.49
70	9.32	32.748	9.32	25.305	1.874	0.42	4.50
80	9.33	32.780	9.32	25.330	2.140	0.39	4.50
90	9.31	32.974	9.31	25.484	2.401	0.31	4.49
100	9.29	33.121	9.28	25.603	2.642	0.23	4.48
110	9.28	33.252	9.27	25.707	2.878	0.19	4.46
120	9.23	33.310	9.22	25.760	3.105	0.18	4.44
130	9.09	33.461	9.08	25.902	3.323	0.15	4.41
140	8.75	33.645	8.74	26.099	3.524	0.14	4.52
150	8.59	33.745	8.57	26.202	3.710	0.12	4.51
175	8.07	33.886	8.05	26.392	4.141	0.11	4.54
200	7.72	33.948	7.70	26.492	4.543	0.11	4.55
225	7.40	33.975	7.38	26.559	4.926	0.12	4.56
250	7.00	33.978	6.98	26.617	5.295	0.11	4.56
275	6.65	33.997	6.62	26.679	5.648	0.12	4.53
287	6.58	34.001	6.56	26.691	5.815	0.13	4.53



W9902A

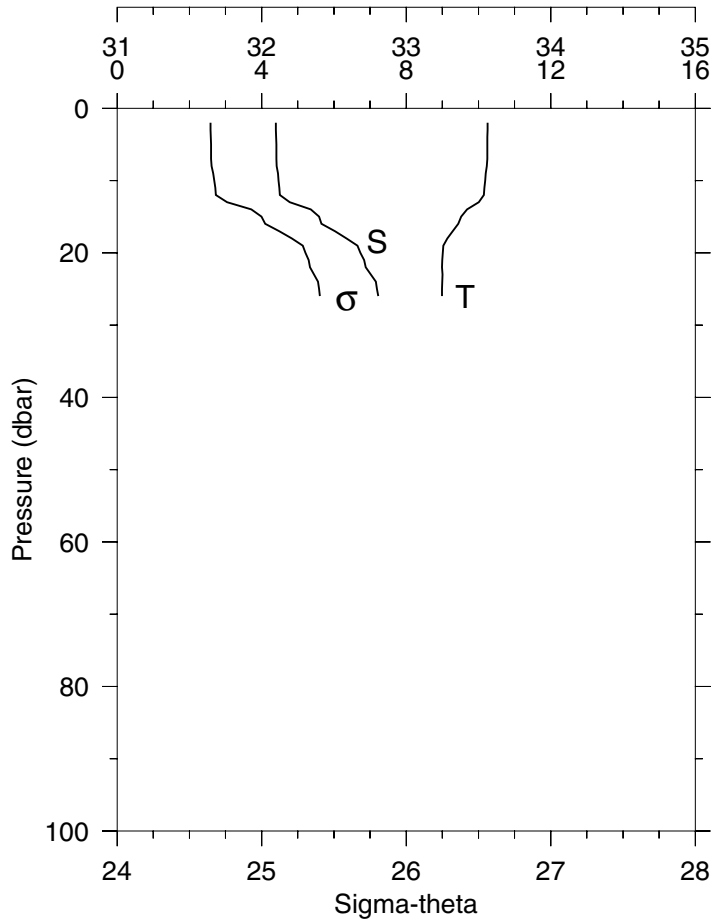


STA: 7 NH-35 LAT: 44 39.3 N LONG: 124 53.0 W  
18 FEB 1999 0908 GMT DEPTH 441

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	9.25	32.732	9.25	25.303	0.027	0.43	4.52
10	9.26	32.734	9.26	25.304	0.266	0.50	4.52
20	9.27	32.742	9.27	25.308	0.532	0.50	4.52
30	9.28	32.745	9.28	25.310	0.798	0.54	4.52
40	9.28	32.745	9.28	25.310	1.064	0.52	4.53
50	9.28	32.748	9.28	25.312	1.330	0.50	4.53
60	9.28	32.750	9.28	25.313	1.596	0.51	4.53
70	9.30	32.759	9.29	25.319	1.862	0.46	4.53
80	9.34	32.836	9.33	25.372	2.126	0.40	4.52
90	9.28	33.198	9.27	25.665	2.376	0.20	4.45
100	9.06	33.445	9.05	25.893	2.597	0.16	4.44
110	8.92	33.577	8.91	26.018	2.802	0.13	4.43
120	8.85	33.630	8.84	26.071	3.000	0.13	4.45
130	8.85	33.637	8.84	26.077	3.195	0.19	4.45
140	8.86	33.639	8.84	26.078	3.390	0.13	4.46
150	8.80	33.671	8.79	26.112	3.584	0.15	4.47
175	8.66	33.732	8.64	26.182	4.058	0.12	4.48
200	8.38	33.817	8.36	26.291	4.509	0.12	4.50
225	8.02	33.890	8.00	26.403	4.931	0.11	4.53
250	7.64	33.947	7.62	26.502	5.333	0.12	4.55
275	7.34	33.975	7.31	26.568	5.715	0.29	4.56
300	6.98	33.999	6.95	26.637	6.085	0.12	4.57
350	6.37	34.020	6.34	26.735	6.779	0.12	4.56
400	5.82	34.057	5.79	26.834	7.443	0.12	4.55
429	5.52	34.089	5.49	26.896	7.796	0.12	4.54

W9904B

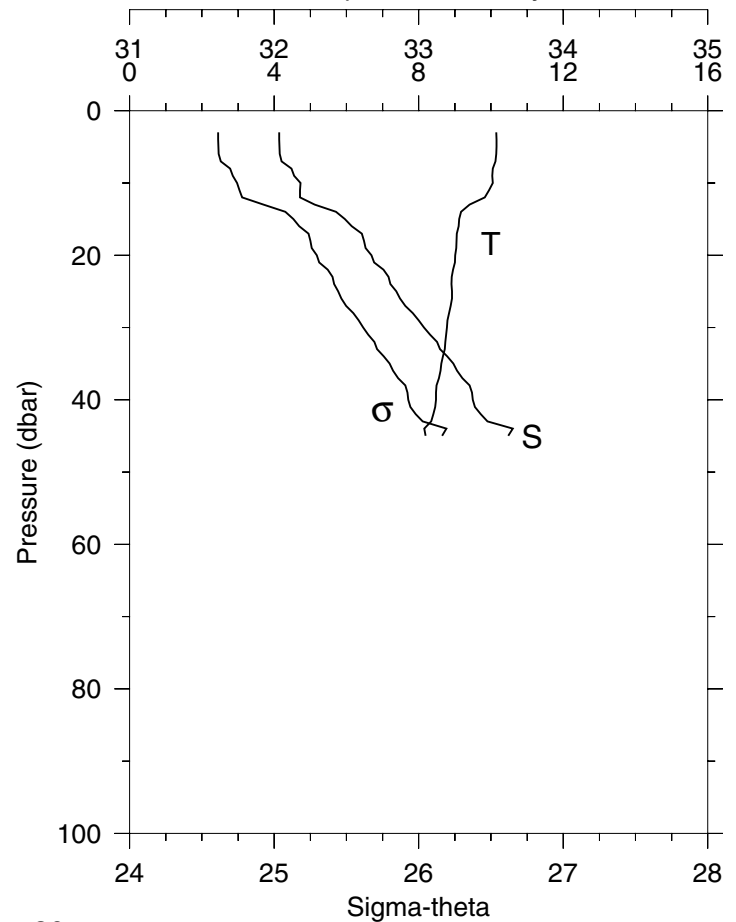
### Station 1 NH-1 Temperature, Salinity



STA: 1 NH-1 LAT: 44 39.3 N LONG: 124 6.2 W  
19 APR 1999 2030 GMT DEPTH 24

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.25	32.098	10.25	24.645	0.066	1.63	4.17
10	10.18	32.116	10.18	24.671	0.328	2.08	4.16
20	9.01	32.683	9.01	25.303	0.626	1.65	4.36
26	8.99	32.806	8.99	25.403	0.783	0.87	4.19

### Station 2 NH-3 Temperature, Salinity



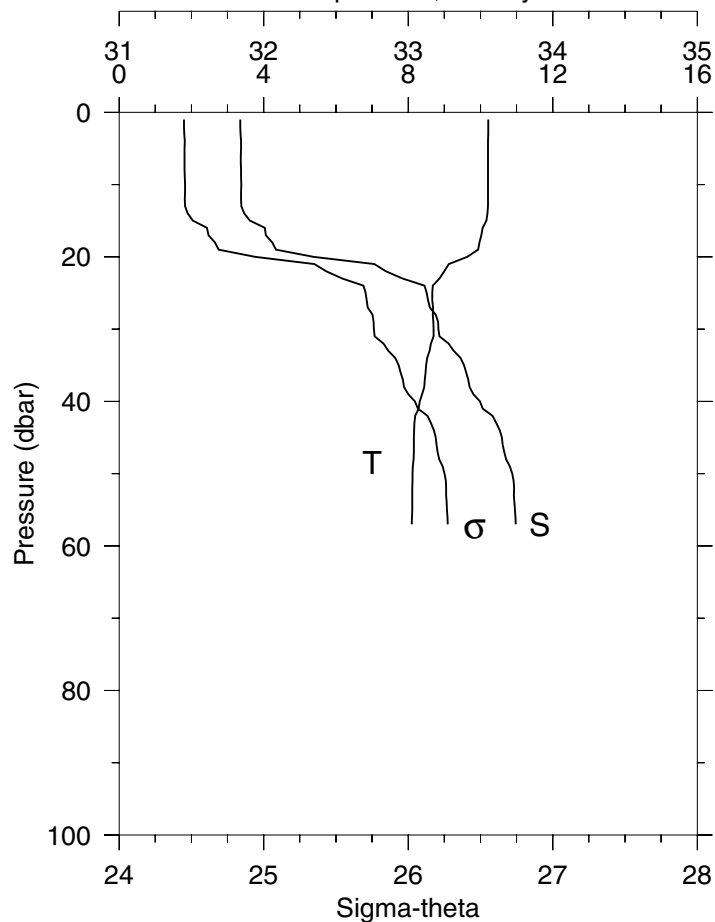
STA: 2 NH-3 LAT: 44 39.1 N LONG: 124 7.9 W  
19 APR 1999 2146 GMT DEPTH 47

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
3	10.15	32.035	10.15	24.613	0.099	2.05	4.14
10	10.05	32.182	10.05	24.744	0.329	2.39	4.13
20	9.01	32.673	9.01	25.295	0.618	1.53	4.22
30	8.78	33.037	8.78	25.616	0.871	0.33	4.41
40	8.48	33.374	8.47	25.927	1.091	0.40	4.31
41	8.39	33.435	8.39	25.987	1.114	0.32	4.29

W9904B

### Station 3 NH-5 Temperature, Salinity

STA: 3 NH-5 LAT: 44 39.0 N LONG: 124 10.9 W  
19 APR 1999 2225 GMT DEPTH 61

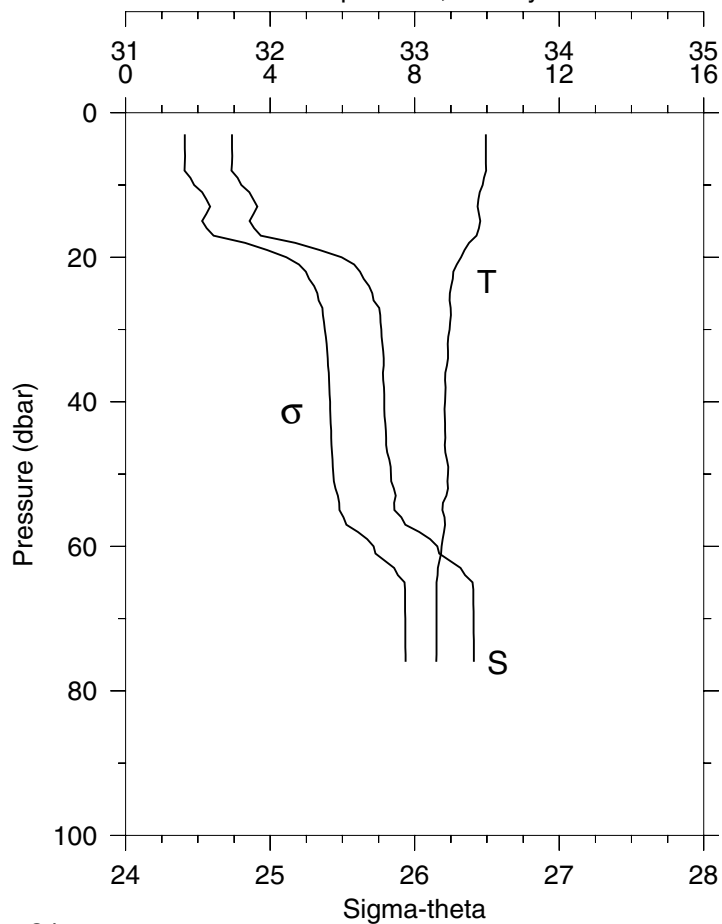


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.21	31.838	10.21	24.449	0.035	1.27	4.22
10	10.21	31.845	10.21	24.455	0.347	1.65	4.23
20	9.63	32.346	9.63	24.941	0.684	2.41	4.17
30	8.70	33.209	8.70	25.762	0.922	0.31	4.57
40	8.32	33.497	8.31	26.047	1.131	0.19	4.53
50	8.12	33.720	8.11	26.252	1.315	0.23	4.47
57	8.10	33.743	8.09	26.274	1.438	0.27	4.42

STA: 4 NH-10 LAT: 44 39.0 N LONG: 124 17.8 W  
20 APR 1999 0015 GMT DEPTH 81

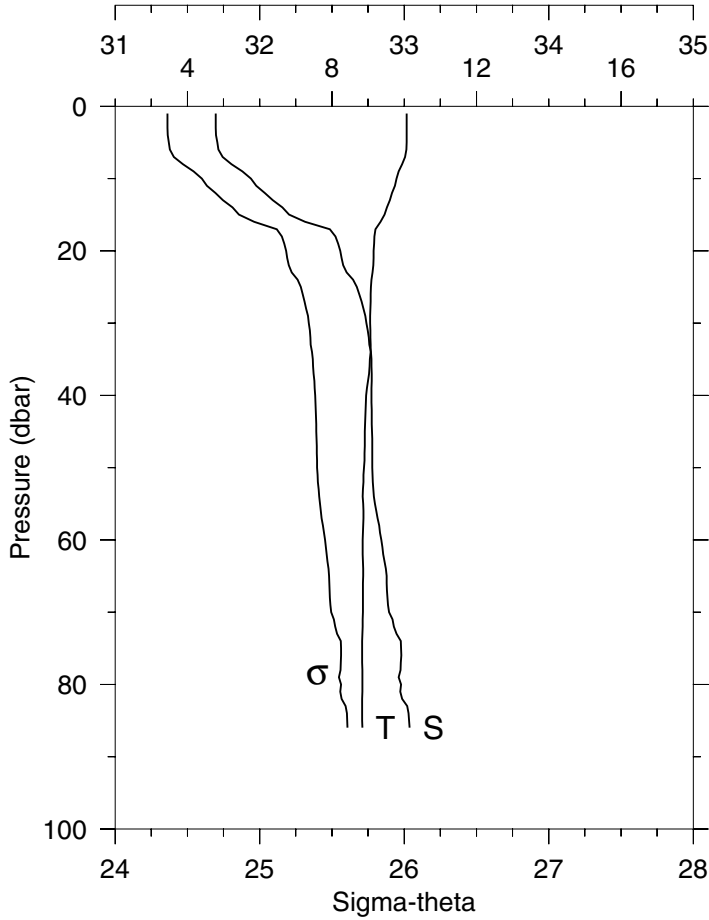
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
3	9.97	31.736	9.97	24.410	0.105	1.22	4.35
10	9.88	31.800	9.88	24.474	0.350	1.11	4.37
20	9.28	32.494	9.28	25.113	0.679	0.91	4.48
30	8.97	32.769	8.96	25.378	0.945	0.57	4.61
40	8.84	32.789	8.83	25.414	1.202	0.52	4.62
50	8.92	32.835	8.91	25.437	1.458	0.27	4.65
60	8.74	33.156	8.74	25.716	1.704	0.19	4.64
70	8.60	33.408	8.59	25.935	1.917	0.18	4.60
76	8.60	33.410	8.59	25.937	2.041	0.19	4.60

### Station 4 NH-10 Temperature, Salinity



# W9904B

## Station 5 NH-15 Temperature, Salinity



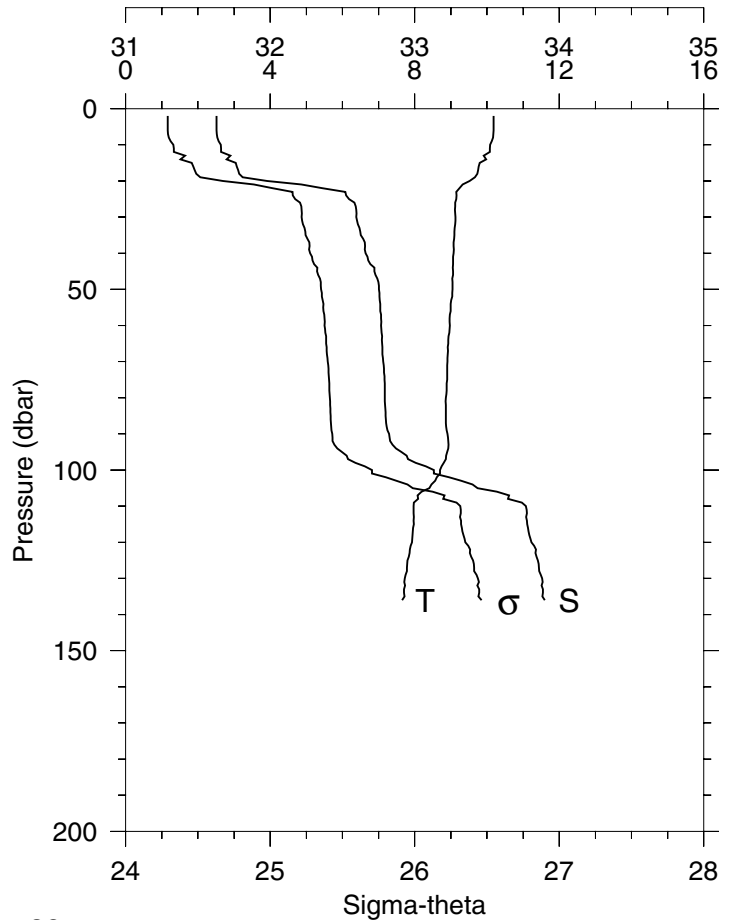
STA: 5 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W  
20 APR 1999 0157 GMT DEPTH 90

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	10.07	31.696	10.07	24.362	0.036	1.10	4.40
10	9.78	31.940	9.78	24.599	0.351	0.96	4.47
20	9.15	32.558	9.15	25.183	0.655	1.02	4.50
30	9.06	32.739	9.05	25.340	0.925	0.66	4.61
40	8.95	32.773	8.94	25.384	1.186	0.37	4.65
50	8.89	32.778	8.88	25.397	1.444	0.30	4.66
60	8.85	32.842	8.85	25.452	1.700	0.22	4.66
70	8.85	32.895	8.85	25.494	1.951	0.20	4.65
80	8.84	32.978	8.83	25.562	2.195	0.19	4.64
86	8.84	33.037	8.83	25.608	2.339	0.19	4.63

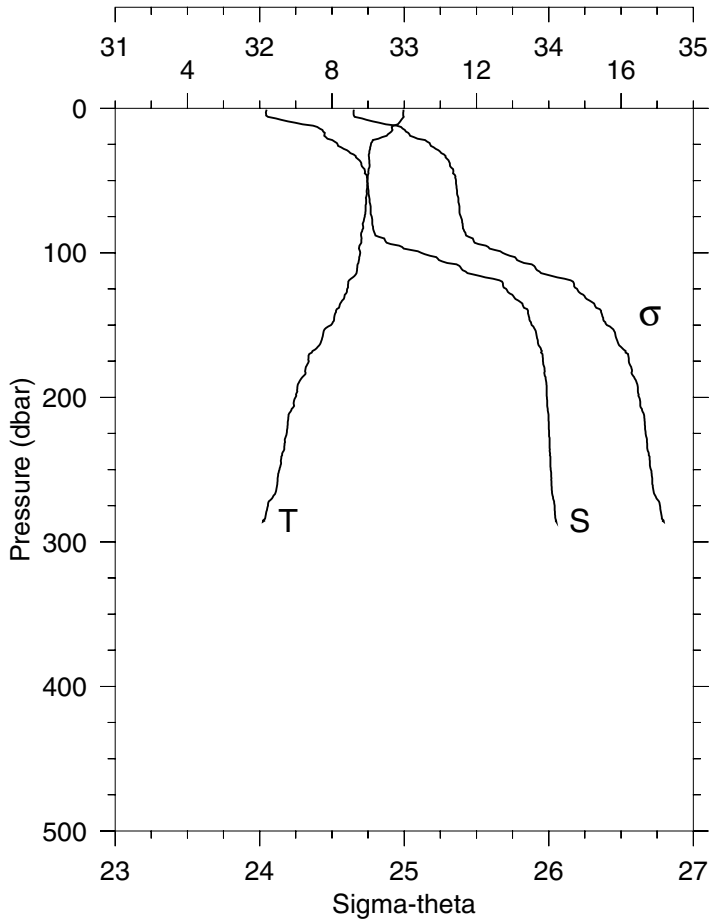
STA: 6 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W  
20 APR 1999 0405 GMT DEPTH 142

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	10.18	31.629	10.18	24.292	0.072	0.87	4.42
10	10.09	31.658	10.09	24.330	0.362	0.94	4.44
20	9.52	31.980	9.52	24.674	0.711	1.21	4.47
30	9.13	32.596	9.12	25.217	0.994	1.06	4.53
40	9.08	32.661	9.07	25.276	1.266	0.86	4.57
50	9.05	32.752	9.05	25.352	1.531	0.53	4.62
60	8.97	32.768	8.97	25.376	1.792	0.37	4.65
70	8.90	32.783	8.90	25.399	2.051	0.31	4.66
80	8.86	32.793	8.86	25.413	2.308	0.34	4.65
90	8.91	32.822	8.90	25.429	2.565	0.28	4.66
100	8.70	33.132	8.69	25.704	2.812	0.20	4.61
110	7.97	33.770	7.96	26.315	3.013	0.20	4.56
120	7.93	33.808	7.92	26.350	3.183	0.19	4.57
130	7.73	33.882	7.71	26.438	3.347	0.19	4.56
136	7.65	33.901	7.64	26.463	3.443	0.18	4.56

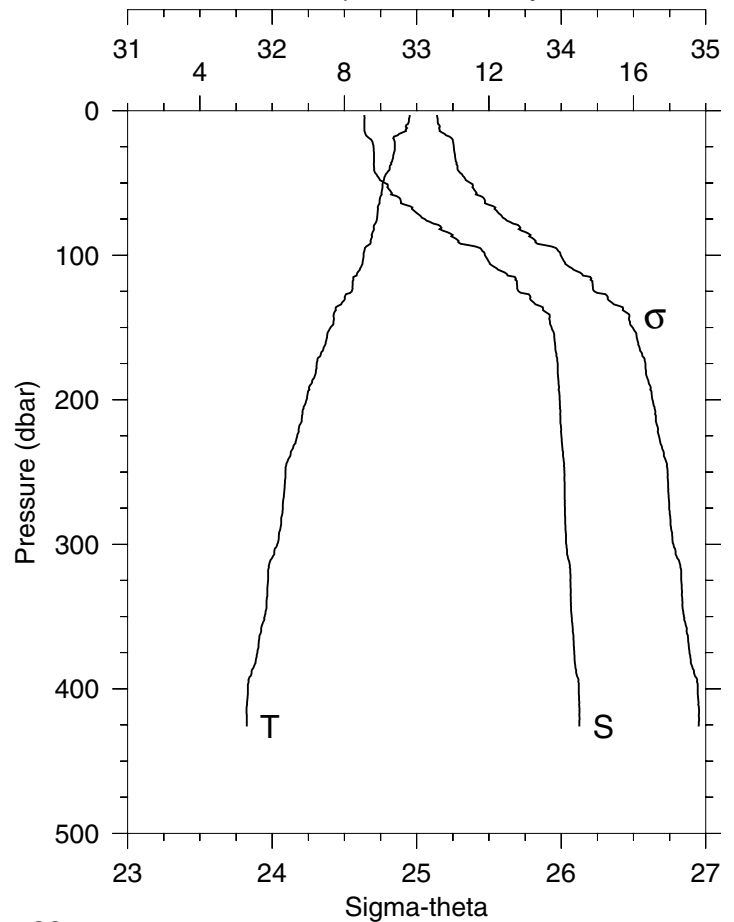
## Station 6 NH-20 Temperature, Salinity



## W9904B

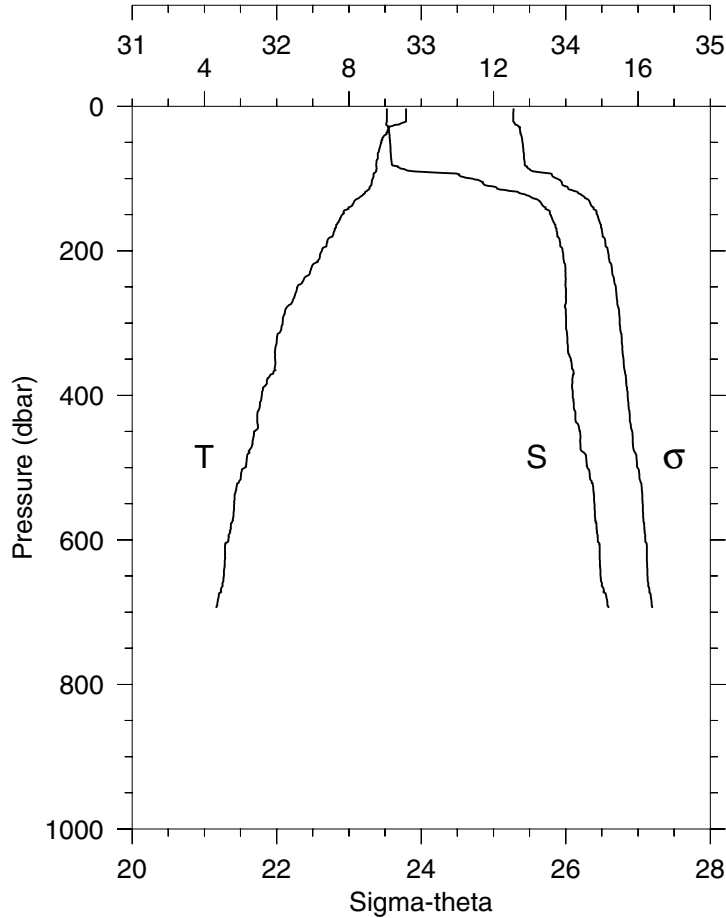
Station 7 NH-25  
Temperature, SalinitySTA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.1 W  
20 APR 1999 0503 GMT DEPTH 295

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	9.98	32.049	9.98	24.652	0.033	0.92	4.44
10	9.86	32.246	9.86	24.826	0.325	0.99	4.45
20	9.39	32.458	9.39	25.067	0.621	1.20	4.48
30	9.04	32.616	9.03	25.247	0.900	1.26	4.55
40	9.04	32.707	9.04	25.318	1.167	0.51	4.63
50	8.98	32.746	8.97	25.358	1.430	0.35	4.65
60	8.96	32.755	8.95	25.368	1.691	0.38	4.65
70	8.93	32.767	8.92	25.382	1.952	0.29	4.66
80	8.85	32.779	8.84	25.404	2.210	0.21	4.66
90	8.82	32.861	8.81	25.474	2.467	0.20	4.65
100	8.78	33.119	8.77	25.681	2.710	0.19	4.59
110	8.70	33.390	8.69	25.906	2.931	0.17	4.66
120	8.45	33.677	8.44	26.169	3.132	0.15	4.67
130	8.35	33.755	8.33	26.247	3.316	0.15	4.66
140	8.11	33.856	8.10	26.362	3.489	0.15	4.66
150	7.97	33.882	7.96	26.403	3.656	0.15	4.65
175	7.36	33.960	7.34	26.553	4.045	0.15	4.63
200	6.99	33.988	6.97	26.626	4.411	0.15	4.64
225	6.74	34.002	6.72	26.670	4.764	0.15	4.64
250	6.55	34.014	6.53	26.706	5.108	0.15	4.63
275	6.23	34.040	6.20	26.769	5.444	0.16	4.60
285	6.15	34.047	6.12	26.785	5.574	0.16	4.57

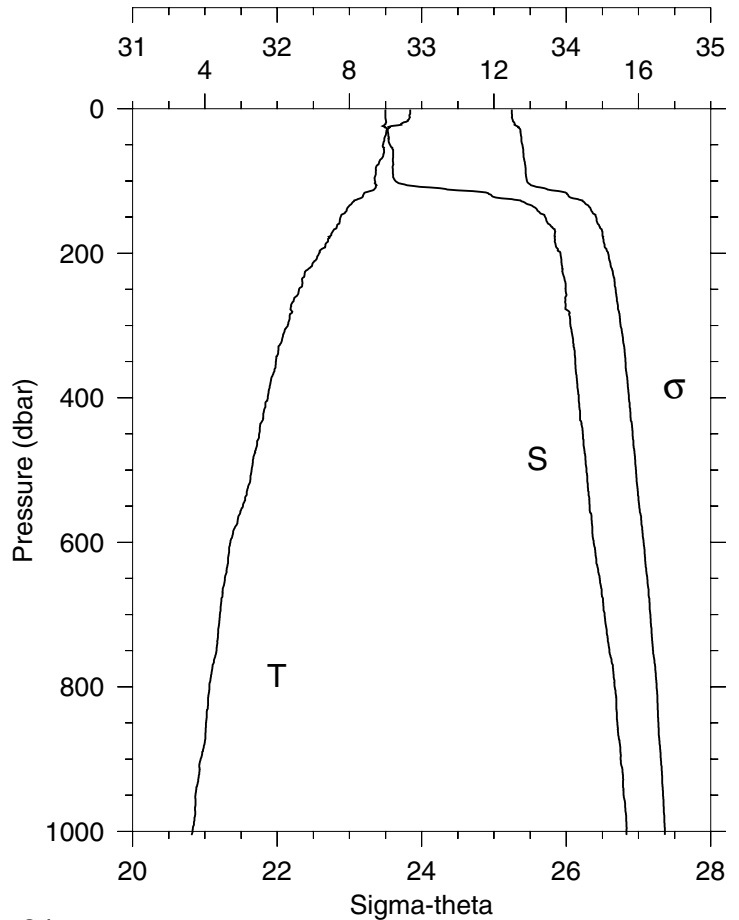
Station 8 NH-35  
Temperature, SalinitySTA: 8 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W  
20 APR 1999 0736 GMT DEPTH 434

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
3	9.81	32.638	9.81	25.140	0.084	1.16	4.46
10	9.71	32.638	9.71	25.156	0.281	1.20	4.47
20	9.37	32.685	9.37	25.248	0.558	0.98	4.55
30	9.37	32.704	9.36	25.264	0.829	0.92	4.57
40	9.25	32.706	9.25	25.283	1.099	0.78	4.59
50	9.06	32.781	9.06	25.373	1.364	0.36	4.66
60	8.98	32.876	8.98	25.459	1.621	0.25	4.65
70	8.92	32.991	8.92	25.559	1.869	0.22	4.64
80	8.81	33.164	8.81	25.711	2.106	0.17	4.61
90	8.72	33.289	8.72	25.823	2.330	0.16	4.60
100	8.53	33.473	8.52	25.997	2.538	0.16	4.59
110	8.43	33.563	8.41	26.084	2.737	0.16	4.59
120	8.23	33.694	8.21	26.217	2.922	0.15	4.59
130	8.01	33.784	8.00	26.320	3.100	0.16	4.60
140	7.71	33.903	7.70	26.457	3.265	0.15	4.62
150	7.62	33.934	7.60	26.495	3.422	0.15	4.64
175	7.23	33.975	7.21	26.582	3.800	0.15	4.66
200	6.95	33.988	6.93	26.631	4.163	0.15	4.67
225	6.69	34.001	6.67	26.676	4.515	0.15	4.66
250	6.37	34.022	6.35	26.736	4.855	0.15	4.65
275	6.29	34.025	6.27	26.748	5.188	0.15	4.66
300	6.14	34.035	6.11	26.776	5.517	0.15	4.66
350	5.79	34.072	5.76	26.849	6.146	0.15	4.63
400	5.33	34.121	5.30	26.944	6.744	0.16	4.61
426	5.30	34.125	5.26	26.951	7.042	0.16	4.60

## W9904B

Station 9 NH-45  
Temperature, SalinitySTA: 9 NH-45 LAT: 44 39.1 N LONG: 125 7.1 W  
20 APR 1999 0922 GMT DEPTH 698

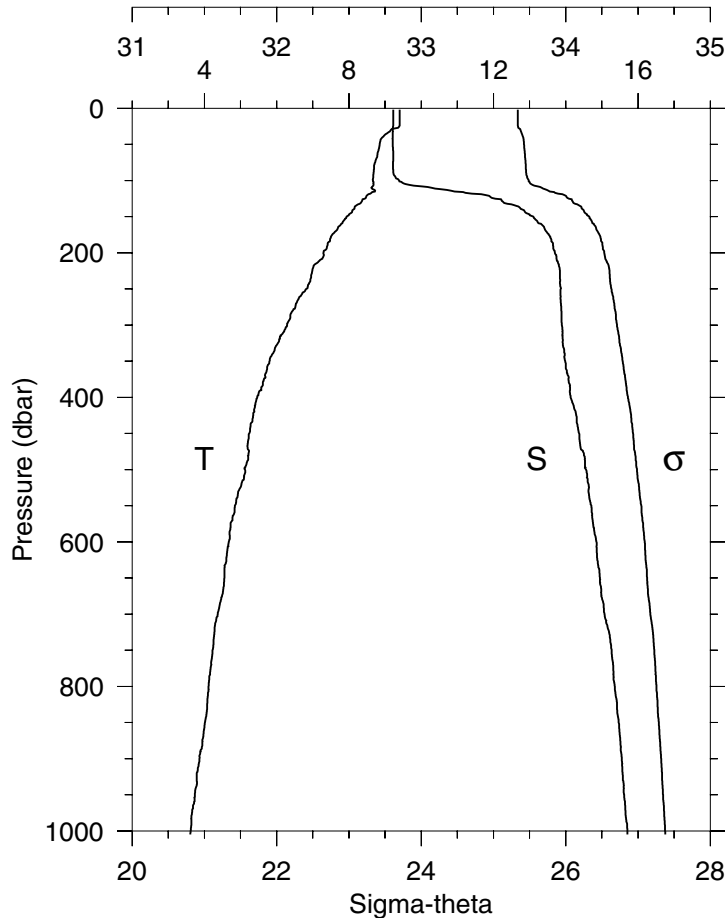
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
3	9.58	32.763	9.58	25.275	0.081	0.61	4.55
10	9.58	32.763	9.58	25.275	0.269	0.67	4.54
20	9.58	32.763	9.58	25.275	0.538	0.66	4.35
30	9.11	32.774	9.11	25.359	0.803	0.57	4.59
40	8.99	32.780	8.99	25.383	1.063	0.63	4.60
50	8.89	32.785	8.88	25.403	1.321	0.56	4.63
60	8.84	32.788	8.83	25.413	1.578	0.45	4.65
70	8.80	32.791	8.79	25.421	1.834	0.39	4.66
80	8.75	32.797	8.74	25.433	2.090	0.33	4.66
90	8.75	32.951	8.74	25.554	2.341	0.22	4.68
100	8.66	33.352	8.65	25.883	2.564	0.17	4.68
110	8.61	33.460	8.60	25.975	2.771	0.17	4.68
120	8.44	33.677	8.43	26.171	2.966	0.16	4.68
130	8.17	33.811	8.16	26.317	3.145	0.16	4.68
140	7.99	33.860	7.97	26.383	3.314	0.15	4.68
150	7.82	33.894	7.80	26.435	3.477	0.15	4.68
175	7.57	33.941	7.55	26.507	3.871	0.15	4.68
200	7.25	33.978	7.23	26.582	4.249	0.15	4.67
225	6.95	33.998	6.93	26.639	4.612	0.15	4.67
250	6.57	33.999	6.55	26.691	4.964	0.15	4.68
275	6.34	33.994	6.32	26.718	5.306	0.15	4.68
300	6.16	34.002	6.14	26.747	5.640	0.15	4.68
350	5.96	34.035	5.93	26.799	6.293	0.15	4.68
400	5.59	34.049	5.55	26.857	6.924	0.15	4.68
450	5.37	34.098	5.34	26.921	7.531	0.15	4.67
500	5.11	34.149	5.07	26.993	8.107	0.15	4.66
600	4.66	34.222	4.61	27.102	9.159	0.15	4.66
694	4.33	34.295	4.28	27.196	10.082	0.15	4.66

Station 10 NH-55  
Temperature, SalinitySTA: 10 NH-55 LAT: 44 39.1 N LONG: 125 21.9 W  
20 APR 1999 1211 GMT DEPTH 2864

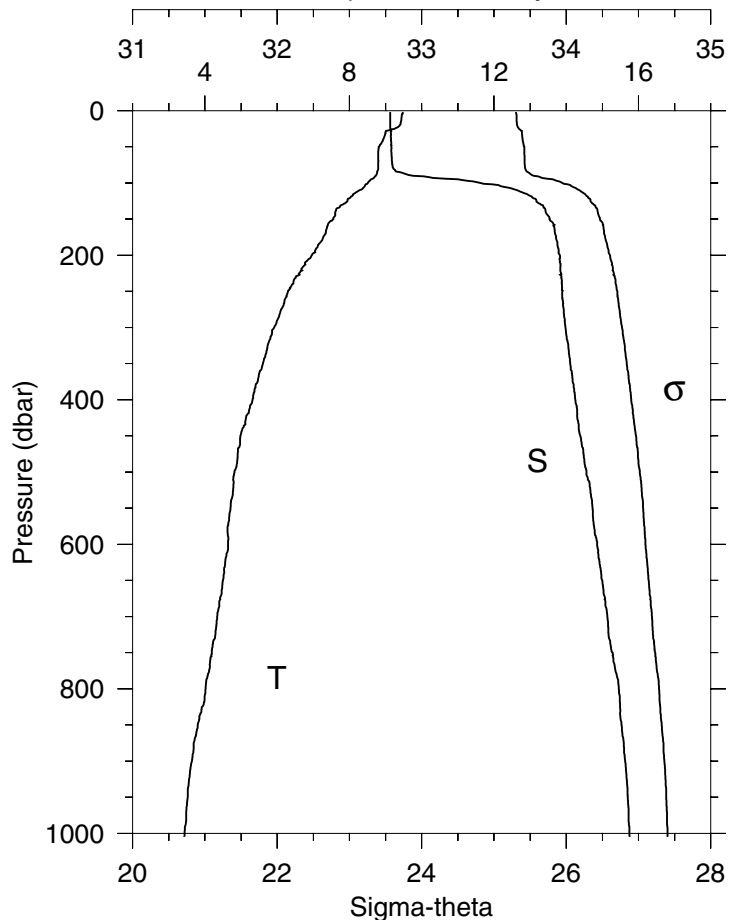
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.68	32.748	9.68	25.247	0.027	1.71	4.49
10	9.66	32.749	9.66	25.251	0.271	0.87	4.50
20	9.46	32.750	9.46	25.285	0.542	0.79	4.55
30	9.02	32.766	9.02	25.366	0.806	0.52	4.63
40	8.97	32.772	8.97	25.378	1.066	0.53	4.63
50	8.93	32.781	8.92	25.393	1.325	0.52	4.63
60	8.96	32.803	8.95	25.405	1.583	0.56	4.62
70	8.86	32.800	8.86	25.418	1.840	0.56	4.63
80	8.74	32.799	8.74	25.436	2.095	0.61	4.63
90	8.73	32.801	8.72	25.440	2.350	0.50	4.64
100	8.71	32.819	8.70	25.457	2.604	0.33	4.67
110	8.71	33.125	8.70	25.697	2.850	0.22	4.68
120	8.37	33.484	8.36	26.030	3.061	0.17	4.68
130	8.08	33.714	8.07	26.254	3.250	0.15	4.68
140	7.93	33.798	7.91	26.343	3.423	0.15	4.68
150	7.76	33.855	7.74	26.412	3.589	0.14	4.68
175	7.49	33.921	7.48	26.502	3.986	0.15	4.68
200	7.16	33.960	7.14	26.580	4.367	0.15	4.68
225	6.78	33.973	6.76	26.643	4.730	0.15	4.68
250	6.60	33.996	6.58	26.684	5.081	0.14	4.68
275	6.37	33.995	6.35	26.714	5.424	0.15	4.68
300	6.30	34.029	6.27	26.751	5.758	0.15	4.68
350	5.96	34.063	5.93	26.820	6.403	0.14	4.67
400	5.74	34.086	5.71	26.867	7.026	0.15	4.67
450	5.50	34.115	5.46	26.920	7.629	0.15	4.68
500	5.29	34.141	5.25	26.965	8.209	0.15	4.68
600	4.70	34.189	4.66	27.071	9.308	0.15	4.68
800	4.12	34.335	4.07	27.250	11.239	0.15	4.68
1000	3.66	34.417	3.59	27.364	12.915	0.15	4.68
1005	3.62	34.415	3.55	27.366	12.955	0.15	4.68



## W9904B

Station 11 NH-65  
Temperature, SalinitySTA: 11 NH-65 LAT: 44 39.3 N LONG: 125 36.2 W  
20 APR 1999 1420 GMT DEPTH 2856

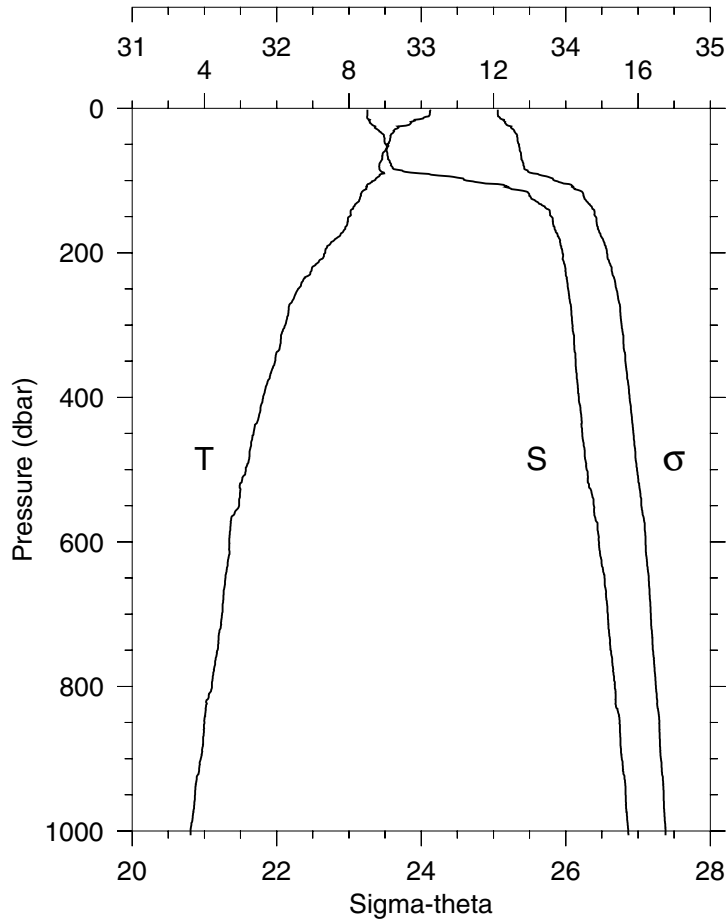
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.40	32.806	9.40	25.337	0.053	0.64	4.57
10	9.40	32.806	9.40	25.337	0.263	0.64	4.57
20	9.40	32.806	9.40	25.337	0.526	0.62	4.57
30	9.16	32.803	9.16	25.374	0.788	0.59	4.58
40	8.93	32.802	8.92	25.409	1.046	0.62	4.59
50	8.85	32.803	8.85	25.422	1.302	0.65	4.60
60	8.80	32.806	8.80	25.432	1.557	0.69	4.61
70	8.75	32.806	8.75	25.440	1.812	0.58	4.63
80	8.70	32.804	8.69	25.447	2.066	0.47	4.64
90	8.68	32.808	8.67	25.453	2.319	0.42	4.65
100	8.66	32.847	8.65	25.486	2.571	0.27	4.67
110	8.62	33.073	8.61	25.670	2.816	0.20	4.68
120	8.51	33.443	8.50	25.977	3.036	0.16	4.68
130	8.34	33.569	8.33	26.101	3.234	0.15	4.68
140	8.13	33.698	8.11	26.235	3.419	0.14	4.68
150	7.93	33.776	7.92	26.325	3.595	0.15	4.68
175	7.54	33.883	7.52	26.467	4.007	0.14	4.68
200	7.30	33.924	7.28	26.533	4.395	0.14	4.68
225	6.98	33.959	6.96	26.604	4.767	0.15	4.68
250	6.82	33.965	6.80	26.631	5.130	0.15	4.68
275	6.51	33.968	6.49	26.674	5.484	0.15	4.68
300	6.28	33.973	6.26	26.709	5.829	0.14	4.68
350	5.80	33.996	5.77	26.788	6.494	0.15	4.69
400	5.46	34.034	5.43	26.860	7.125	0.15	4.69
450	5.24	34.092	5.20	26.932	7.723	0.15	4.69
500	5.12	34.140	5.08	26.985	8.296	0.15	4.68
600	4.68	34.213	4.63	27.093	9.368	0.14	4.68
800	4.11	34.340	4.05	27.256	11.277	0.14	4.68
1000	3.62	34.426	3.55	27.375	12.937	0.15	4.68
1005	3.61	34.427	3.54	27.378	12.976	0.14	4.68

Station 12 NH-85  
Temperature, SalinitySTA: 12 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W  
20 APR 1999 1834 GMT DEPTH 2881

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.48	32.783	9.48	25.306	0.053	0.28	4.57
10	9.44	32.783	9.44	25.313	0.265	0.41	4.57
20	9.39	32.783	9.39	25.321	0.530	0.46	4.57
30	9.00	32.786	8.99	25.386	0.792	0.54	4.58
40	8.94	32.788	8.93	25.397	1.050	0.60	4.60
50	8.81	32.790	8.81	25.419	1.307	0.67	4.62
60	8.79	32.791	8.79	25.422	1.563	0.53	4.64
70	8.80	32.795	8.79	25.424	1.819	0.46	4.65
80	8.80	32.804	8.79	25.432	2.074	0.34	4.66
90	8.73	32.941	8.72	25.550	2.325	0.25	4.67
100	8.51	33.407	8.50	25.948	2.548	0.18	4.68
110	8.28	33.661	8.27	26.182	2.742	0.16	4.68
120	8.03	33.766	8.01	26.303	2.920	0.15	4.68
130	7.81	33.825	7.80	26.381	3.090	0.15	4.68
140	7.61	33.858	7.60	26.436	3.252	0.15	4.68
150	7.56	33.883	7.54	26.463	3.412	0.14	4.68
175	7.28	33.929	7.26	26.539	3.796	0.14	4.68
200	6.96	33.956	6.94	26.604	4.167	0.15	4.68
225	6.61	33.964	6.59	26.659	4.525	0.15	4.68
250	6.30	33.974	6.28	26.707	4.870	0.14	4.68
275	6.11	33.983	6.09	26.738	5.208	0.14	4.68
300	5.92	33.995	5.89	26.772	5.539	0.15	4.68
350	5.61	34.028	5.58	26.836	6.175	0.14	4.69
400	5.32	34.063	5.28	26.900	6.784	0.14	4.68
450	4.98	34.097	4.95	26.965	7.366	0.15	4.69
500	4.82	34.141	4.78	27.019	7.921	0.14	4.69
600	4.64	34.214	4.60	27.097	8.970	0.14	4.68
800	4.02	34.364	3.96	27.285	10.854	0.15	4.68
1000	3.44	34.438	3.37	27.402	12.439	0.14	4.68
1005	3.43	34.439	3.36	27.404	12.476	0.14	4.68

W9904B

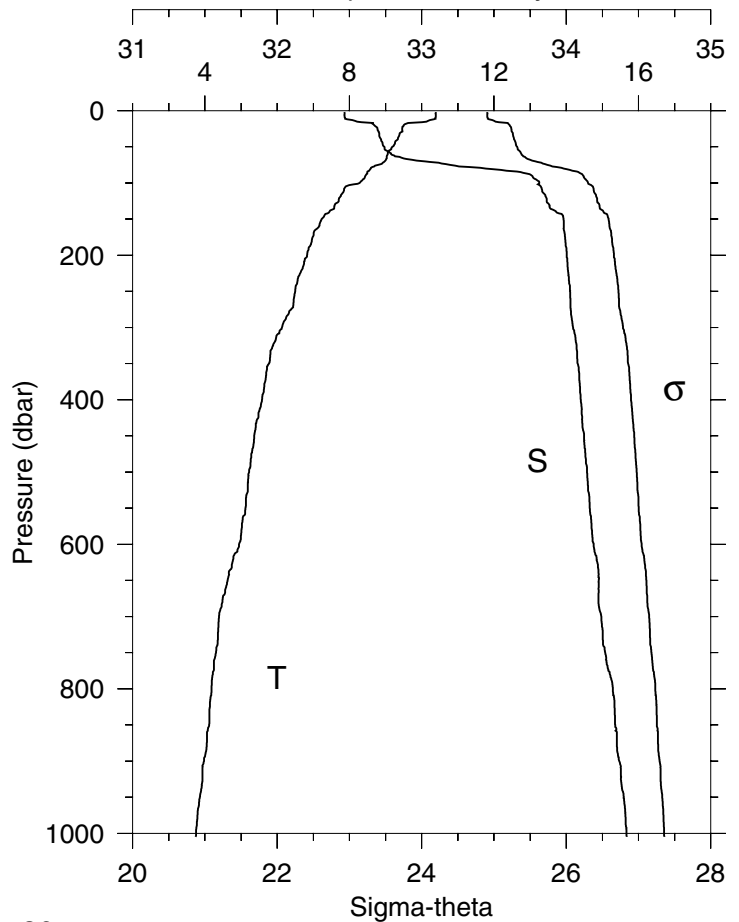
### Station 13 FM-9 Temperature, Salinity



STA: 13 FM-9 LAT: 43 13.1 N LONG: 125 10.1 W  
21 APR 1999 0257 GMT DEPTH 1651

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	10.25	32.627	10.25	25.059	0.058	0.71	4.49
10	10.22	32.628	10.22	25.064	0.289	0.71	4.49
20	9.72	32.645	9.72	25.160	0.573	1.03	4.47
30	9.25	32.702	9.25	25.280	0.848	0.76	4.57
40	9.15	32.743	9.15	25.329	1.114	0.64	4.60
50	9.07	32.759	9.06	25.354	1.377	0.65	4.61
60	8.98	32.762	8.97	25.371	1.639	0.56	4.62
70	8.92	32.769	8.92	25.385	1.898	0.46	4.64
80	8.83	32.796	8.82	25.420	2.156	0.31	4.66
90	8.98	32.992	8.97	25.551	2.409	0.21	4.66
100	8.69	33.313	8.68	25.847	2.635	0.15	4.68
110	8.48	33.605	8.47	26.108	2.836	0.15	4.68
120	8.33	33.747	8.32	26.243	3.019	0.15	4.68
130	8.24	33.807	8.23	26.303	3.196	0.15	4.68
140	8.07	33.880	8.06	26.386	3.366	0.15	4.66
150	8.01	33.901	7.99	26.412	3.530	0.14	4.66
175	7.77	33.943	7.75	26.480	3.932	0.15	4.66
200	7.34	33.978	7.32	26.569	4.312	0.15	4.66
225	6.96	33.996	6.94	26.637	4.677	0.15	4.65
250	6.59	34.017	6.57	26.703	5.026	0.15	4.64
275	6.34	34.037	6.31	26.752	5.362	0.15	4.63
300	6.24	34.047	6.21	26.773	5.691	0.15	4.66
350	5.96	34.068	5.93	26.825	6.332	0.15	4.67
400	5.62	34.090	5.59	26.884	6.950	0.15	4.67
450	5.36	34.114	5.32	26.936	7.543	0.15	4.67
500	5.15	34.144	5.11	26.985	8.114	0.15	4.67
600	4.69	34.229	4.64	27.104	9.176	0.15	4.66
800	4.20	34.340	4.14	27.246	11.084	0.15	4.68
1000	3.62	34.432	3.54	27.381	12.740	0.15	4.67
1005	3.62	34.432	3.55	27.380	12.779	0.15	4.68

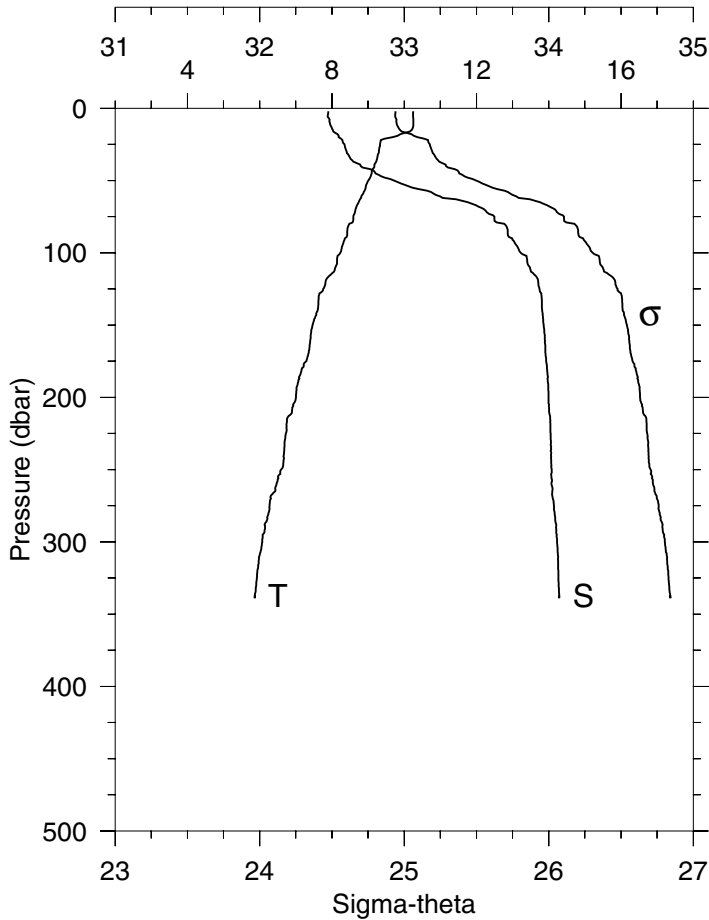
### Station 14 FM-8 Temperature, Salinity



STA: 14 FM-8 LAT: 43 13.1 N LONG: 125 0.1 W  
21 APR 1999 0505 GMT DEPTH 1078

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	10.39	32.464	10.39	24.908	0.061	0.68	4.51
10	10.38	32.470	10.38	24.914	0.304	0.73	4.51
20	9.50	32.672	9.50	25.217	0.593	1.02	4.52
30	9.42	32.703	9.42	25.254	0.866	0.93	4.53
40	9.34	32.719	9.33	25.281	1.136	0.85	4.58
50	9.19	32.741	9.18	25.321	1.403	0.62	4.62
60	9.06	32.788	9.06	25.378	1.666	0.31	4.66
70	8.97	33.024	8.96	25.577	1.919	0.22	4.66
80	8.59	33.445	8.58	25.966	2.143	0.16	4.68
90	8.44	33.763	8.44	26.237	2.331	0.15	4.62
100	8.28	33.813	8.27	26.302	2.507	0.15	4.60
110	7.85	33.833	7.84	26.381	2.675	0.15	4.57
120	7.73	33.861	7.72	26.420	2.839	0.16	4.57
130	7.60	33.882	7.59	26.456	3.000	0.16	4.57
140	7.45	33.929	7.43	26.515	3.156	0.16	4.58
150	7.23	33.982	7.22	26.587	3.305	0.15	4.62
175	6.98	33.992	6.97	26.629	3.667	0.15	4.59
200	6.83	34.004	6.81	26.660	4.020	0.15	4.60
225	6.64	34.015	6.61	26.695	4.367	0.15	4.61
250	6.50	34.026	6.48	26.722	4.706	0.15	4.62
275	6.39	34.031	6.37	26.740	5.042	0.15	4.64
300	6.13	34.047	6.11	26.786	5.370	0.15	4.63
350	5.78	34.079	5.75	26.857	5.995	0.15	4.61
400	5.58	34.101	5.55	26.898	6.600	0.15	4.63
450	5.36	34.123	5.33	26.942	7.189	0.15	4.66
500	5.22	34.143	5.18	26.975	7.762	0.15	4.66
600	4.95	34.190	4.90	27.045	8.869	0.15	4.64
800	4.18	34.322	4.12	27.234	10.838	0.14	4.68
1000	3.76	34.416	3.68	27.354	12.547	0.15	4.65
1005	3.74	34.418	3.67	27.357	12.587	0.14	4.65

## W9904B

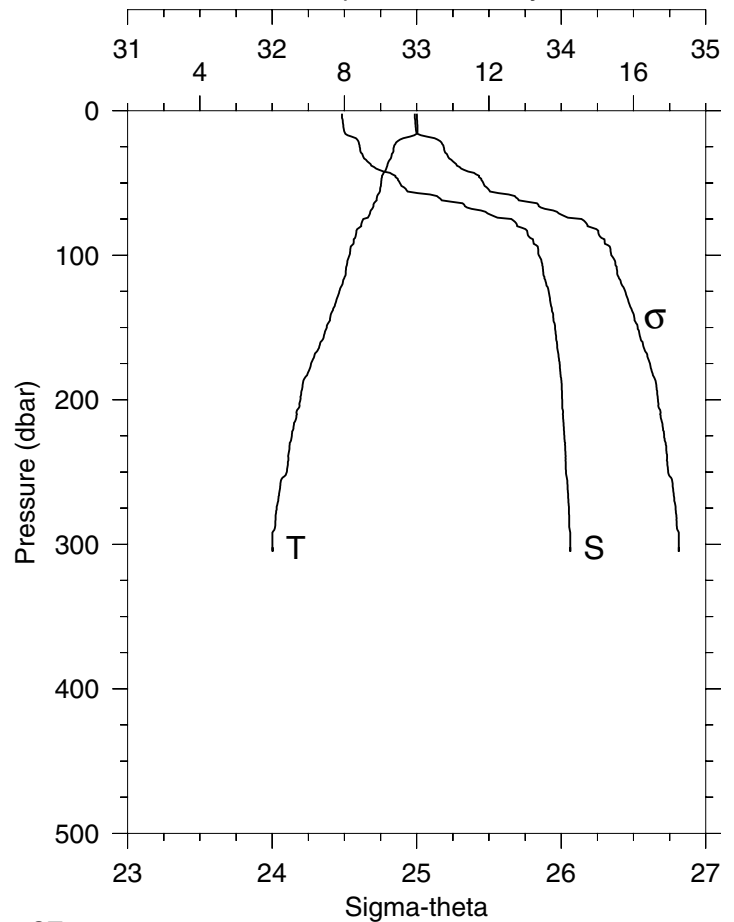
Station 15 FM-7  
Temperature, Salinity

STA: 15 FM-7 LAT: 43 13.2 N LONG: 124 50.0 W  
21 APR 1999 0831 GMT DEPTH 344

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	10.25	32.474	10.25	24.939	0.060	1.35	4.39
10	10.25	32.486	10.25	24.947	0.301	1.38	4.40
20	9.68	32.547	9.68	25.090	0.596	1.28	4.47
30	9.30	32.601	9.29	25.194	0.875	1.03	4.54
40	9.17	32.699	9.17	25.290	1.149	0.56	4.61
50	9.01	32.930	9.00	25.498	1.407	0.30	4.63
60	8.84	33.219	8.83	25.751	1.644	0.20	4.65
70	8.65	33.554	8.64	26.042	1.852	0.16	4.67
80	8.48	33.693	8.47	26.177	2.045	0.16	4.67
90	8.36	33.747	8.35	26.239	2.227	0.15	4.67
100	8.23	33.806	8.22	26.304	2.402	0.14	4.67
110	8.09	33.869	8.08	26.373	2.571	0.15	4.66
120	7.82	33.927	7.81	26.460	2.733	0.15	4.64
130	7.63	33.950	7.62	26.505	2.890	0.15	4.66
140	7.60	33.954	7.59	26.512	3.043	0.16	4.67
150	7.46	33.965	7.45	26.541	3.195	0.15	4.67
175	7.29	33.982	7.28	26.579	3.569	0.15	4.67
200	7.00	33.998	6.99	26.632	3.930	0.15	4.67
225	6.73	34.013	6.71	26.681	4.280	0.15	4.67
250	6.59	34.020	6.57	26.705	4.625	0.15	4.67
275	6.27	34.036	6.25	26.760	4.960	0.15	4.66
300	6.07	34.058	6.05	26.803	5.284	0.15	4.65
337	5.86	34.073	5.83	26.841	5.750	0.15	4.61

STA: 16 FM-6 LAT: 43 13.2 N LONG: 124 45.0 W  
21 APR 1999 1035 GMT DEPTH 312

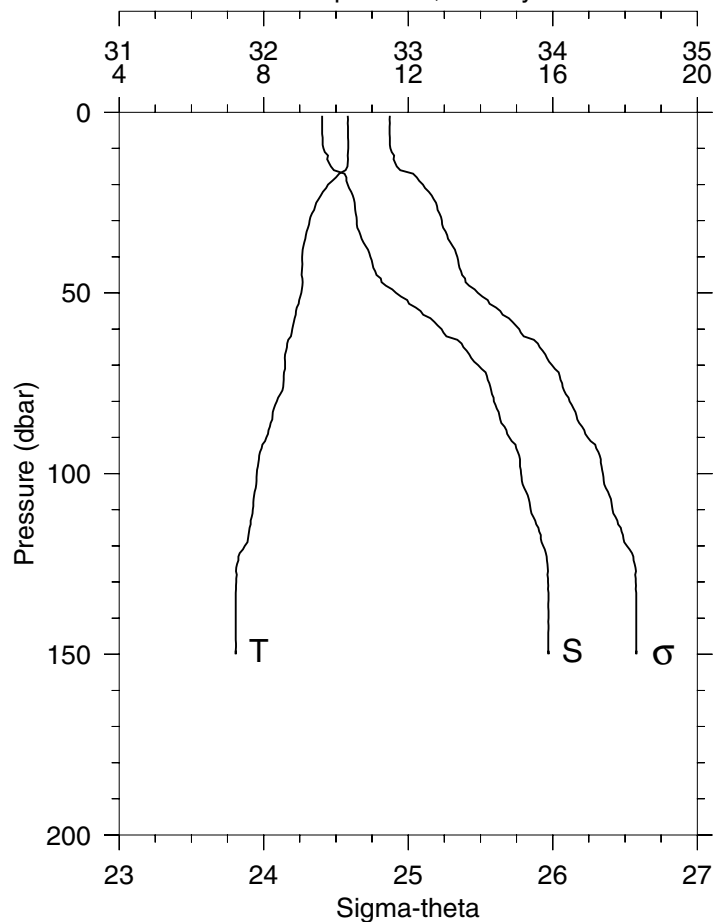
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	10.00	32.483	10.00	24.987	0.059	1.62	4.40
10	10.02	32.492	10.02	24.992	0.296	1.59	4.41
20	9.54	32.588	9.54	25.144	0.588	1.37	4.48
30	9.32	32.623	9.31	25.208	0.866	1.12	4.55
40	9.16	32.719	9.15	25.308	1.138	0.55	4.62
50	9.02	32.884	9.01	25.461	1.395	0.33	4.64
60	8.90	33.151	8.90	25.687	1.639	0.20	4.66
70	8.72	33.476	8.71	25.971	1.857	0.17	4.66
80	8.47	33.696	8.46	26.182	2.049	0.15	4.67
90	8.26	33.806	8.25	26.300	2.226	0.15	4.67
100	8.14	33.845	8.13	26.347	2.396	0.15	4.67
110	8.04	33.874	8.03	26.385	2.562	0.15	4.67
120	7.94	33.896	7.93	26.417	2.726	0.15	4.67
130	7.79	33.922	7.78	26.460	2.886	0.15	4.65
140	7.64	33.942	7.62	26.498	3.043	0.15	4.67
150	7.51	33.957	7.49	26.529	3.197	0.15	4.65
175	7.08	33.989	7.06	26.614	3.567	0.15	4.62
200	6.78	34.007	6.76	26.669	3.921	0.15	4.62
225	6.55	34.022	6.53	26.712	4.264	0.15	4.63
250	6.41	34.033	6.38	26.739	4.599	0.15	4.63
275	6.12	34.053	6.10	26.792	4.924	0.15	4.59
300	6.01	34.062	5.98	26.814	5.243	0.16	4.32
302	6.01	34.062	5.99	26.814	5.268	0.16	4.28

Station 16 FM-6  
Temperature, Salinity

W9904B

### Station 17 FM-5 Temperature, Salinity

STA: 17 FM-5 LAT: 43 13.1 N LONG: 124 40.1 W  
21 APR 1999 1147 GMT DEPTH 158

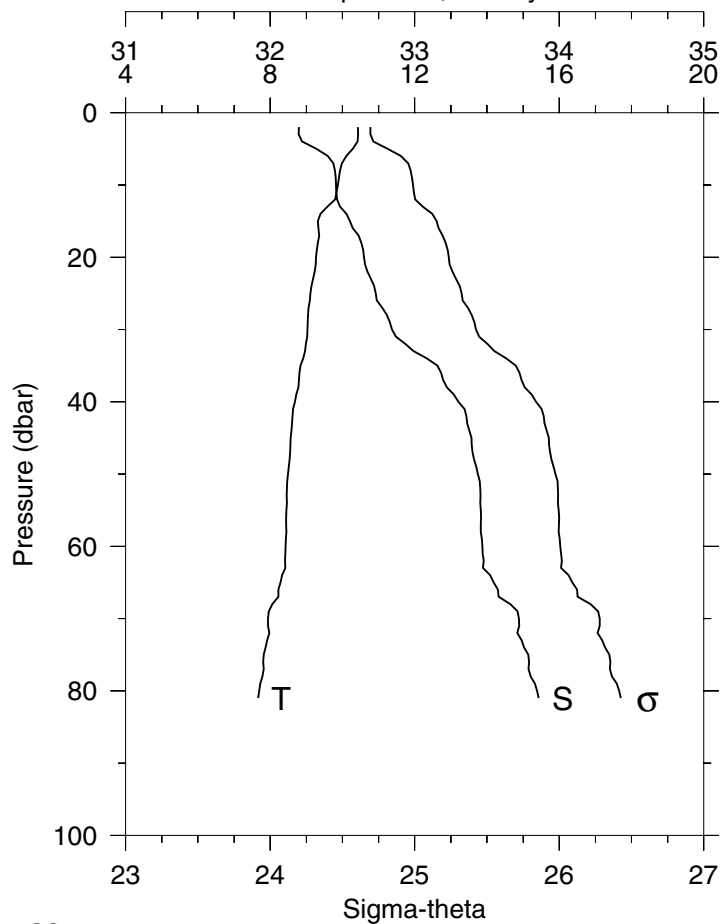


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	10.33	32.405	10.33	24.872	0.031	0.90	4.48
10	10.34	32.413	10.34	24.876	0.307	0.94	4.49
20	9.78	32.582	9.77	25.102	0.606	1.02	4.52
30	9.27	32.644	9.27	25.232	0.884	0.86	4.58
40	9.06	32.739	9.06	25.339	1.153	0.50	4.62
50	9.04	32.916	9.03	25.482	1.411	0.30	4.65
60	8.79	33.231	8.78	25.767	1.647	0.21	4.62
70	8.59	33.484	8.59	25.995	1.858	0.18	4.61
80	8.36	33.593	8.35	26.117	2.053	0.16	4.59
90	8.08	33.699	8.07	26.242	2.237	0.17	4.53
100	7.81	33.781	7.80	26.347	2.409	0.18	4.46
110	7.70	33.847	7.69	26.414	2.574	0.18	4.48
120	7.48	33.934	7.47	26.514	2.732	0.16	4.54
130	7.24	33.967	7.23	26.574	2.881	0.15	4.45
140	7.22	33.970	7.21	26.578	3.028	0.16	4.44
150	7.22	33.970	7.21	26.578	3.175	0.16	4.43
149	7.22	33.970	7.21	26.579	3.160	0.16	4.43

### Station 18 FM-4 Temperature, Salinity

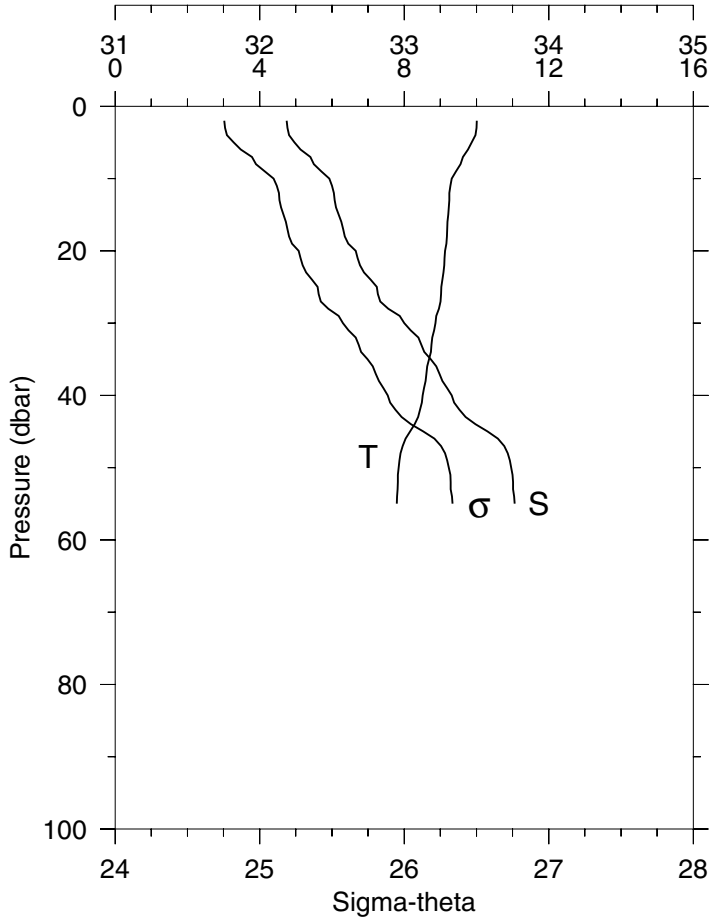
STA: 18 FM-4 LAT: 43 13.1 N LONG: 124 35.1 W  
21 APR 1999 1345 GMT DEPTH 86

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	10.43	32.199	10.43	24.694	0.065	1.15	4.34
10	9.87	32.456	9.87	24.988	0.311	1.45	4.37
20	9.27	32.650	9.27	25.236	0.595	0.70	4.59
30	9.03	32.843	9.03	25.425	0.859	0.30	4.64
40	8.68	33.302	8.68	25.839	1.092	0.19	4.61
50	8.50	33.438	8.49	25.974	1.301	0.19	4.59
60	8.43	33.468	8.42	26.008	1.502	0.19	4.57
70	7.94	33.722	7.93	26.280	1.692	0.18	4.49
80	7.69	33.847	7.69	26.415	1.862	0.17	4.44
81	7.67	33.858	7.66	26.427	1.878	0.18	4.44



W9904B

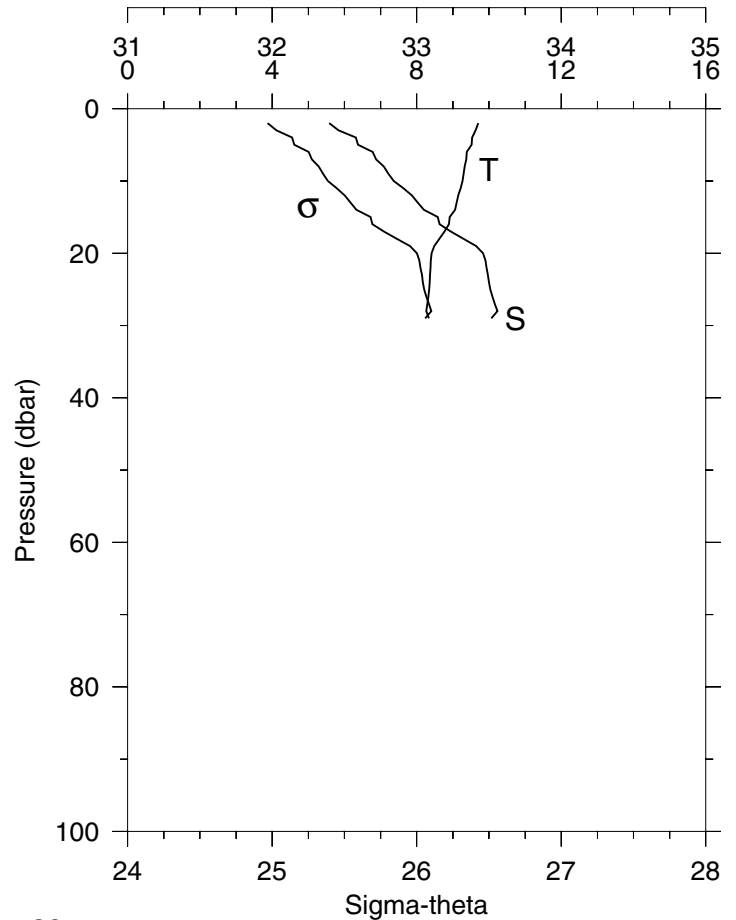
Station 19 FM-3  
Temperature, Salinity



STA: 19 FM-3 LAT: 43 13.1 N LONG: 124 31.0 W  
21 APR 1999 1510 GMT DEPTH 62

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	10.01	32.187	10.01	24.755	0.064	1.17	4.28
10	9.32	32.481	9.31	25.097	0.308	1.62	4.37
20	9.13	32.664	9.13	25.270	0.587	1.01	4.49
30	8.86	33.001	8.86	25.575	0.845	0.34	4.55
40	8.51	33.328	8.50	25.886	1.070	0.29	4.48
50	7.85	33.741	7.84	26.308	1.259	0.19	4.48
55	7.80	33.764	7.79	26.334	1.344	0.19	4.48

Station 20 FM-1  
Temperature, Salinity

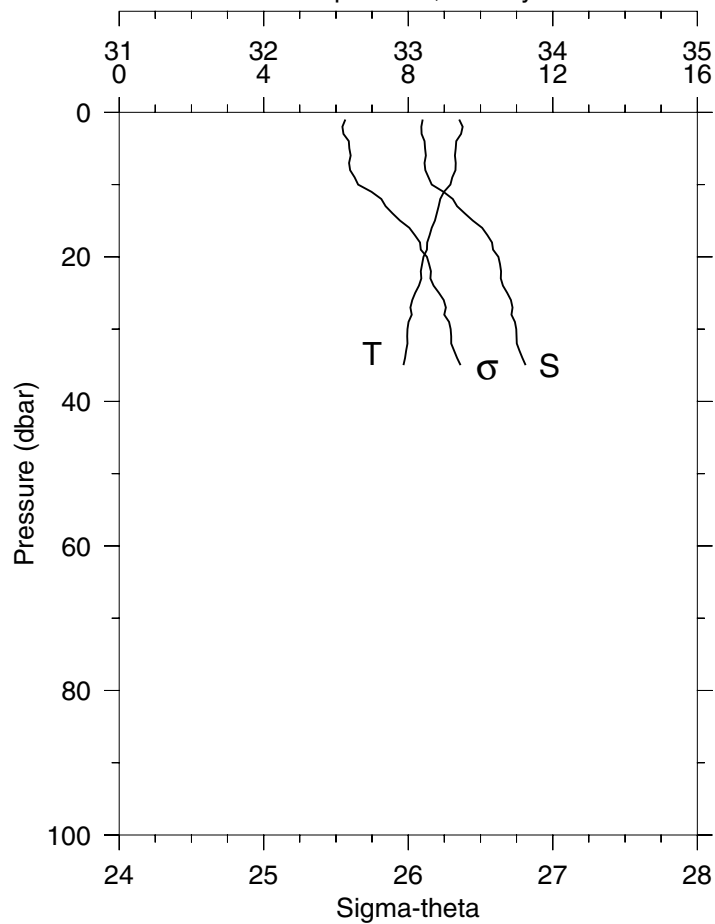


STA: 20 FM-1 LAT: 43 13.1 N LONG: 124 26.0 W  
21 APR 1999 1642 GMT DEPTH 33

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	9.70	32.395	9.70	24.968	0.060	1.00	4.08
10	9.27	32.842	9.27	25.386	0.279	1.01	4.15
20	8.42	33.459	8.41	26.002	0.510	0.53	4.21
29	8.34	33.517	8.34	26.059	0.686	0.45	3.98

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### Station 21 CR-1 Temperature, Salinity



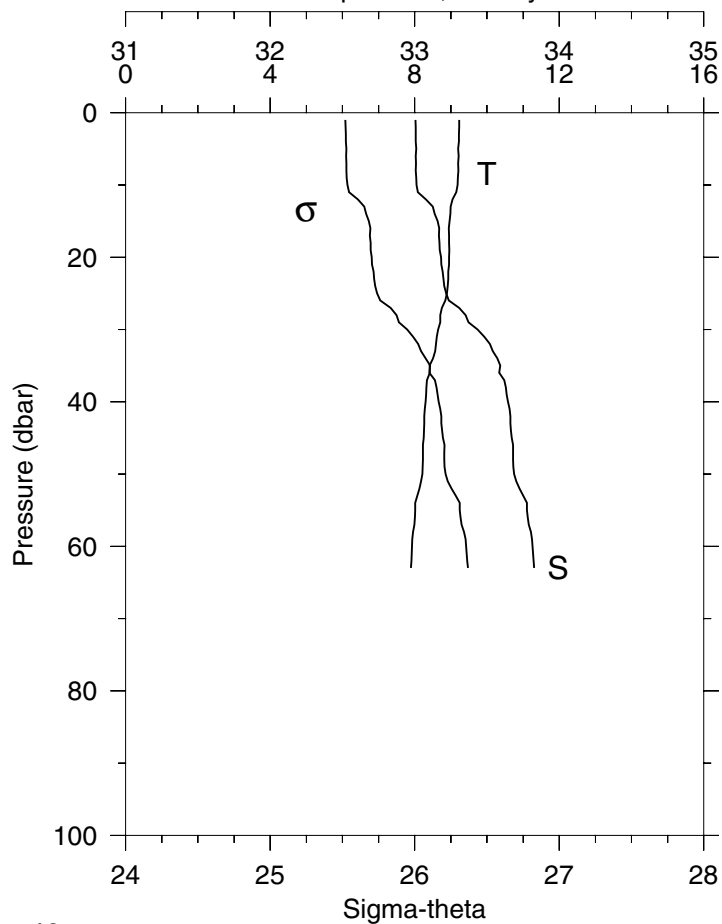
STA: 21 CR-1 LAT: 41 54.0 N LONG: 124 18.0 W  
21 APR 1999 2350 GMT DEPTH 41

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.41	33.100	9.41	25.565	0.024	0.57	4.32
10	9.17	33.163	9.17	25.654	0.239	0.77	4.33
20	8.42	33.623	8.42	26.130	0.445	0.41	4.48
30	7.98	33.747	7.97	26.294	0.625	0.37	4.10
35	7.87	33.812	7.86	26.361	0.711	0.27	4.10

STA: 22 CR-2 LAT: 41 54.0 N LONG: 124 24.1 W  
22 APR 1999 0102 GMT DEPTH 69

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.23	33.006	9.23	25.520	0.025	1.00	4.34
10	9.18	33.013	9.18	25.534	0.245	1.14	4.40
20	8.95	33.182	8.95	25.703	0.478	0.96	4.47
30	8.65	33.436	8.65	25.949	0.699	0.61	4.51
40	8.30	33.645	8.30	26.166	0.891	0.39	4.45
50	8.21	33.688	8.21	26.213	1.073	0.32	4.43
60	7.93	33.815	7.92	26.355	1.245	0.21	4.25
63	7.90	33.826	7.89	26.368	1.295	0.20	4.20

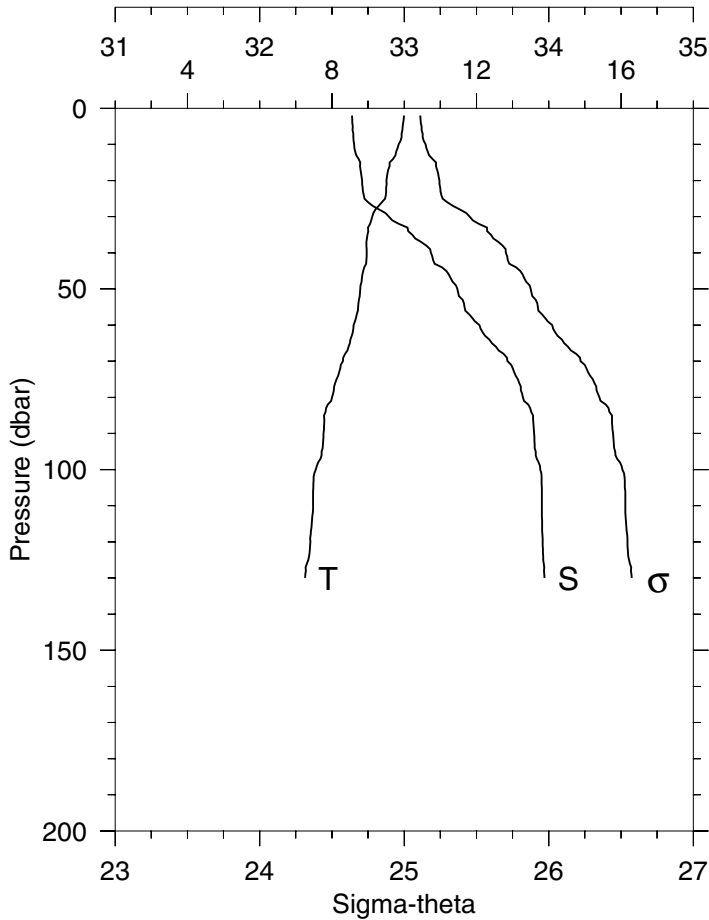
### Station 22 CR-2 Temperature, Salinity



W9904B

### Station 23 CR-3 Temperature, Salinity

STA: 23 CR-3 LAT: 41 54.0 N LONG: 124 30.0 W  
22 APR 1999 0218 GMT DEPTH 137

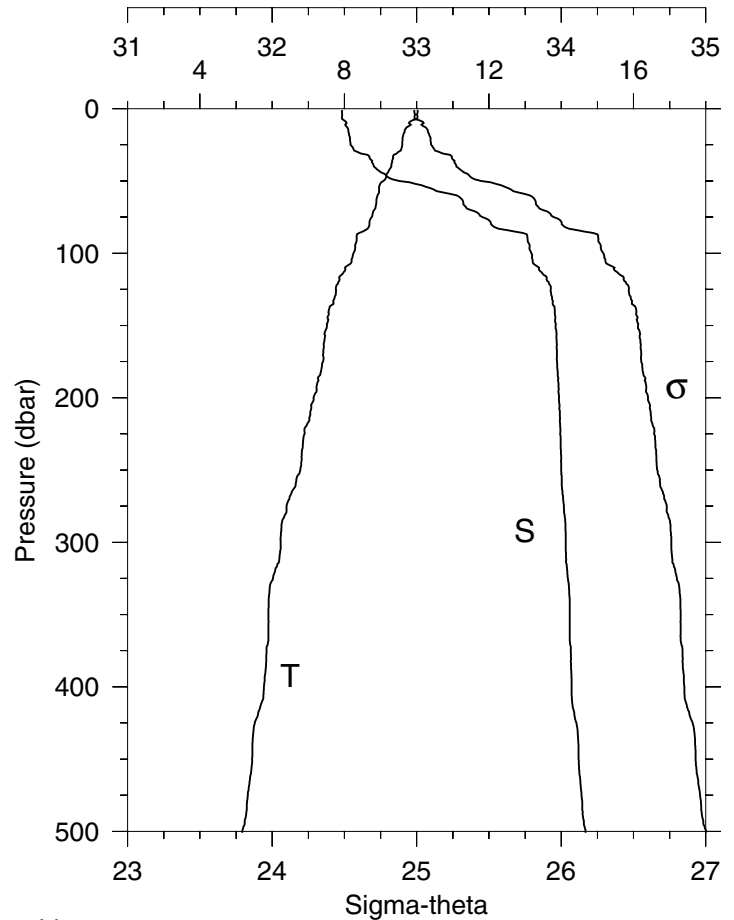


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.99	32.639	9.99	25.111	0.057	1.49	4.26
10	9.85	32.654	9.84	25.147	0.283	1.28	4.33
20	9.51	32.708	9.51	25.244	0.559	1.52	4.38
30	9.11	32.894	9.11	25.453	0.825	0.81	4.55
40	8.96	33.184	8.96	25.703	1.064	0.28	4.62
50	8.78	33.368	8.78	25.875	1.285	0.26	4.61
60	8.60	33.521	8.59	26.024	1.492	0.27	4.59
70	8.30	33.714	8.30	26.220	1.682	0.18	4.58
80	8.00	33.822	7.99	26.350	1.855	0.17	4.55
90	7.77	33.899	7.76	26.444	2.016	0.16	4.54
100	7.55	33.942	7.54	26.510	2.173	0.16	4.54
110	7.47	33.952	7.46	26.529	2.325	0.15	4.49
120	7.40	33.958	7.39	26.544	2.475	0.15	4.47
130	7.25	33.970	7.24	26.574	2.624	0.15	4.46

STA: 24 CR-4 LAT: 41 54.0 N LONG: 124 36.0 W  
22 APR 1999 0355 GMT DEPTH 506

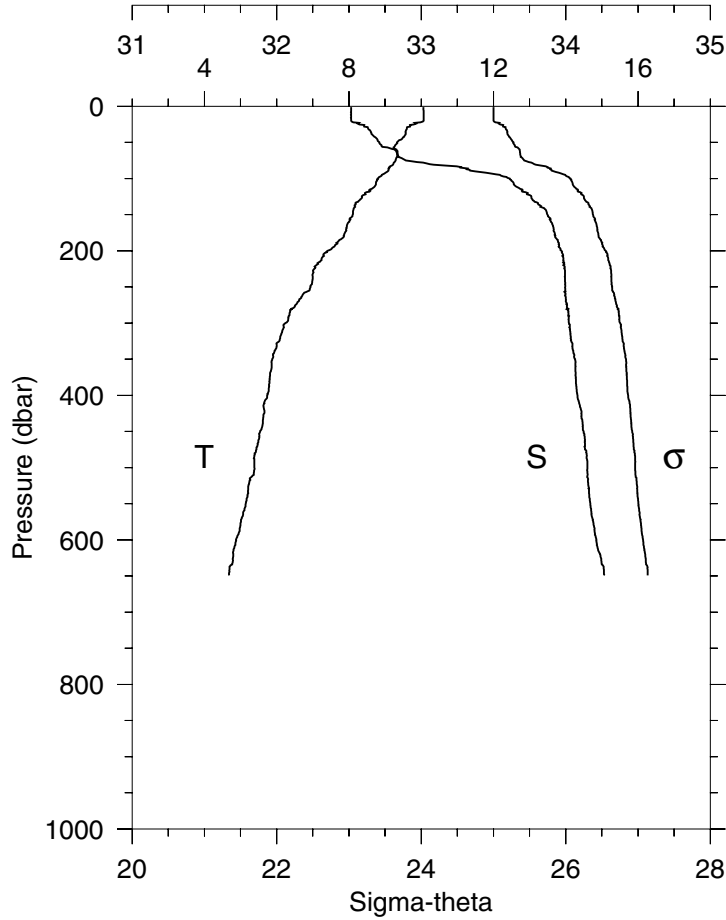
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.03	32.483	10.03	24.984	0.030	1.65	4.26
10	9.78	32.514	9.78	25.048	0.295	1.67	4.30
20	9.61	32.538	9.60	25.095	0.584	1.89	4.35
30	9.49	32.590	9.49	25.155	0.869	1.25	4.51
40	9.30	32.704	9.29	25.275	1.141	0.83	4.58
50	9.08	32.880	9.07	25.447	1.404	0.43	4.62
60	8.92	33.276	8.91	25.782	1.640	0.22	4.63
70	8.83	33.369	8.82	25.869	1.857	0.22	4.62
80	8.69	33.514	8.69	26.004	2.063	0.20	4.61
90	8.34	33.768	8.33	26.258	2.250	0.16	4.62
100	8.25	33.794	8.24	26.292	2.426	0.17	4.62
110	8.02	33.847	8.01	26.368	2.598	0.17	4.59
120	7.83	33.913	7.82	26.447	2.761	0.15	4.62
130	7.73	33.936	7.72	26.480	2.918	0.15	4.64
140	7.57	33.956	7.55	26.520	3.073	0.15	4.65
150	7.52	33.962	7.50	26.531	3.226	0.16	4.66
175	7.41	33.970	7.39	26.553	3.602	0.15	4.66
200	7.15	33.985	7.13	26.602	3.972	0.15	4.66
225	6.90	33.992	6.88	26.642	4.332	0.15	4.65
250	6.78	34.000	6.76	26.664	4.684	0.15	4.64
275	6.40	34.019	6.37	26.730	5.028	0.15	4.64
300	6.23	34.032	6.21	26.761	5.360	0.15	4.64
350	5.90	34.059	5.87	26.826	6.003	0.15	4.61
400	5.77	34.072	5.73	26.853	6.629	0.14	4.61
450	5.45	34.120	5.41	26.930	7.229	0.15	4.59
500	5.17	34.168	5.13	27.001	7.801	0.16	4.41
501	5.17	34.170	5.13	27.002	7.812	0.16	4.40

### Station 24 CR-4 Temperature, Salinity



W9904B

Station 25 CR-5  
Temperature, Salinity



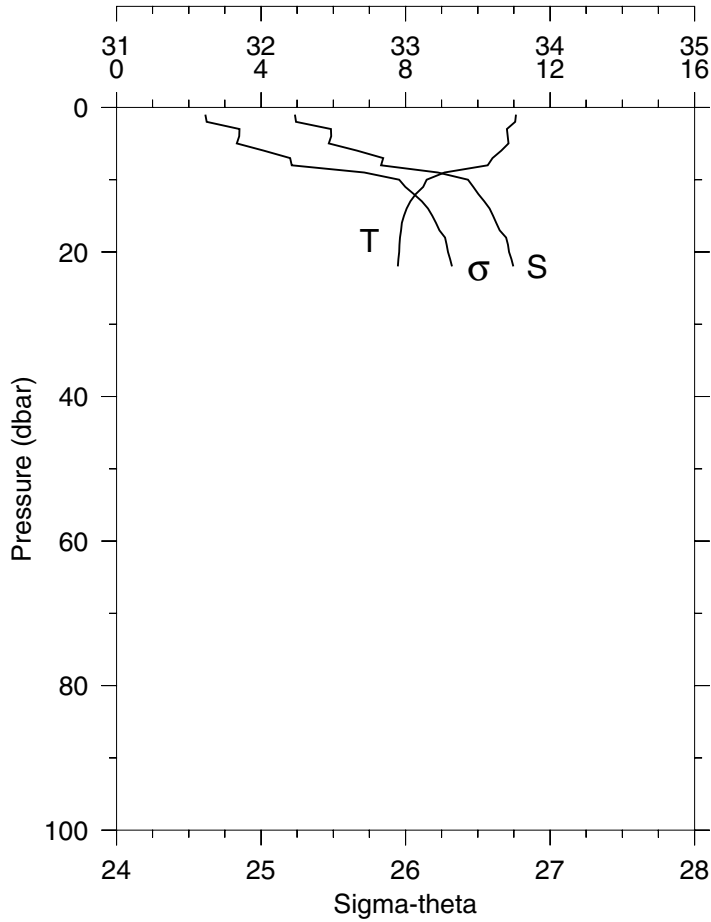
STA: 25 CR-5 LAT: 41 54.0 N LONG: 124 42.0 W  
22 APR 1999 0700 GMT DEPTH 653

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	10.06	32.515	10.06	25.002	0.029	2.36	4.16
10	10.06	32.515	10.06	25.002	0.295	2.42	4.17
20	10.06	32.515	10.06	25.002	0.590	2.58	4.16
30	9.60	32.631	9.60	25.168	0.876	0.95	4.57
40	9.55	32.665	9.55	25.204	1.154	0.60	4.62
50	9.33	32.711	9.32	25.276	1.427	0.35	4.65
60	9.31	32.819	9.31	25.362	1.693	0.29	4.66
70	9.33	32.841	9.32	25.377	1.954	0.30	4.65
80	9.23	33.060	9.22	25.565	2.207	0.22	4.66
90	9.07	33.375	9.06	25.837	2.434	0.18	4.66
100	8.79	33.612	8.78	26.066	2.638	0.17	4.64
110	8.72	33.650	8.71	26.107	2.831	0.16	4.64
120	8.44	33.737	8.43	26.217	3.018	0.16	4.62
130	8.29	33.772	8.28	26.268	3.197	0.18	4.60
140	8.15	33.836	8.14	26.339	3.370	0.16	4.61
150	8.11	33.873	8.09	26.376	3.537	0.15	4.64
175	7.89	33.922	7.87	26.446	3.945	0.15	4.65
200	7.40	33.970	7.38	26.554	4.336	0.15	4.66
225	7.03	33.993	7.01	26.624	4.703	0.16	4.67
250	6.93	33.996	6.91	26.640	5.062	0.15	4.67
275	6.52	34.008	6.49	26.705	5.412	0.15	4.67
300	6.24	34.023	6.21	26.754	5.748	0.15	4.68
350	5.87	34.065	5.84	26.833	6.393	0.15	4.68
400	5.74	34.081	5.70	26.863	7.015	0.15	4.64
450	5.54	34.123	5.50	26.921	7.617	0.15	4.67
500	5.38	34.149	5.34	26.961	8.196	0.16	4.68
600	4.88	34.212	4.83	27.070	9.300	0.15	4.67
649	4.68	34.265	4.63	27.134	9.800	0.16	4.53



W9907A

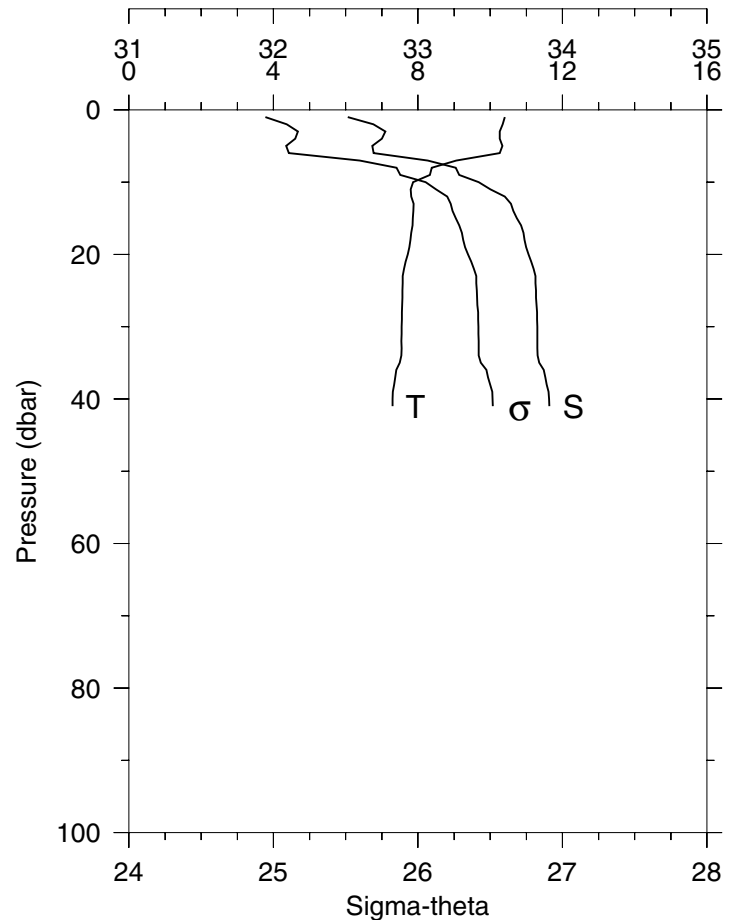
Station 1 NH-1  
Temperature, Salinity



STA: 1 NH-1 LAT: 44 39.1 N LONG: 124 6.2 W  
03 JUL 1999 1850 GMT DEPTH 27

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.06	32.235	11.06	24.614	0.033	5.00	3.20
10	8.59	33.432	8.58	25.955	0.293	3.49	4.02
20	7.82	33.717	7.82	26.293	0.477	0.60	4.25
22	7.78	33.746	7.78	26.321	0.512	0.76	4.24

Station 2 NH-3  
Temperature, Salinity

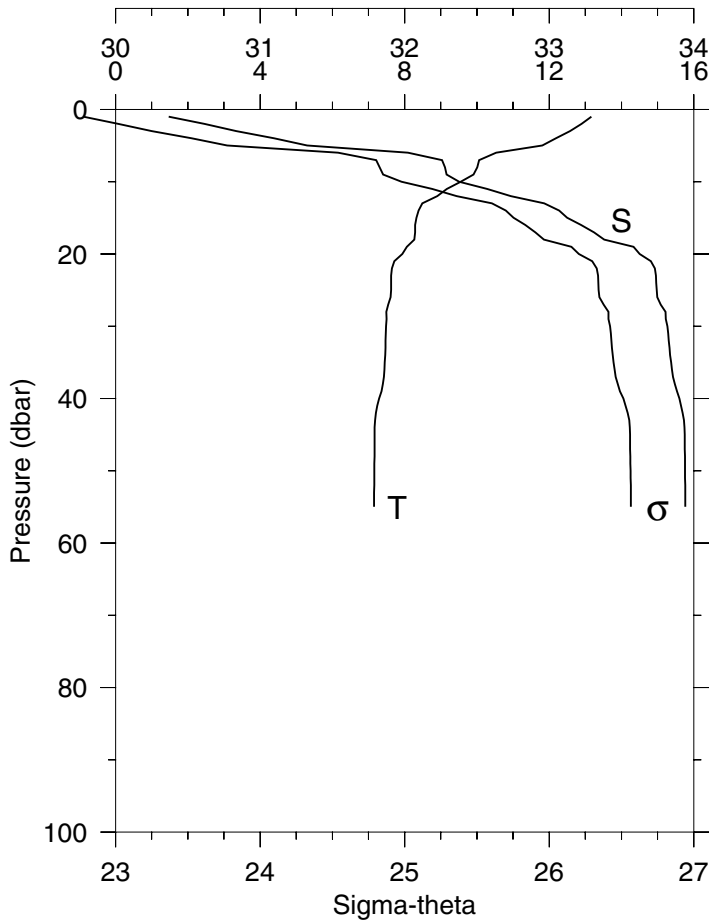


STA: 2 NH-3 LAT: 44 39.0 N LONG: 124 7.9 W  
03 JUL 1999 1949 GMT DEPTH 46

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.41	32.515	10.41	24.944	0.030	5.00	3.41
10	7.87	33.421	7.87	26.054	0.263	1.62	4.33
20	7.72	33.765	7.71	26.346	0.439	0.49	4.42
30	7.55	33.826	7.55	26.418	0.601	0.48	4.38
40	7.30	33.907	7.30	26.517	0.758	0.45	4.33
41	7.30	33.909	7.29	26.519	0.773	0.41	4.33

W9907A

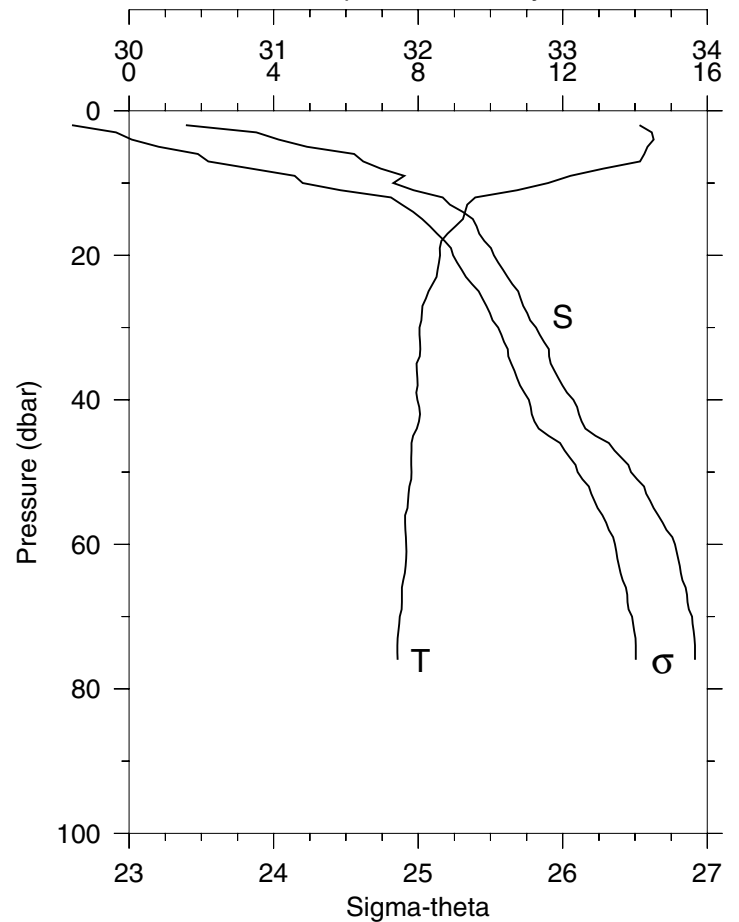
### Station 3 NH-5 Temperature, Salinity



STA: 3 NH-5 LAT: 44 39.1 N LONG: 124 10.6 W  
03 JUL 1999 2051 GMT DEPTH 58

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	13.17	30.368	13.17	22.776	0.051	1.66	3.71
10	9.55	32.377	9.55	24.978	0.397	3.15	4.09
20	7.94	33.626	7.93	26.205	0.625	0.82	4.33
30	7.48	33.818	7.48	26.421	0.792	0.21	4.50
40	7.29	33.901	7.29	26.514	0.950	0.23	4.49
50	7.16	33.940	7.16	26.563	1.098	0.27	4.41
55	7.16	33.942	7.15	26.565	1.171	0.28	4.39

### Station 4 NH-10 Temperature, Salinity

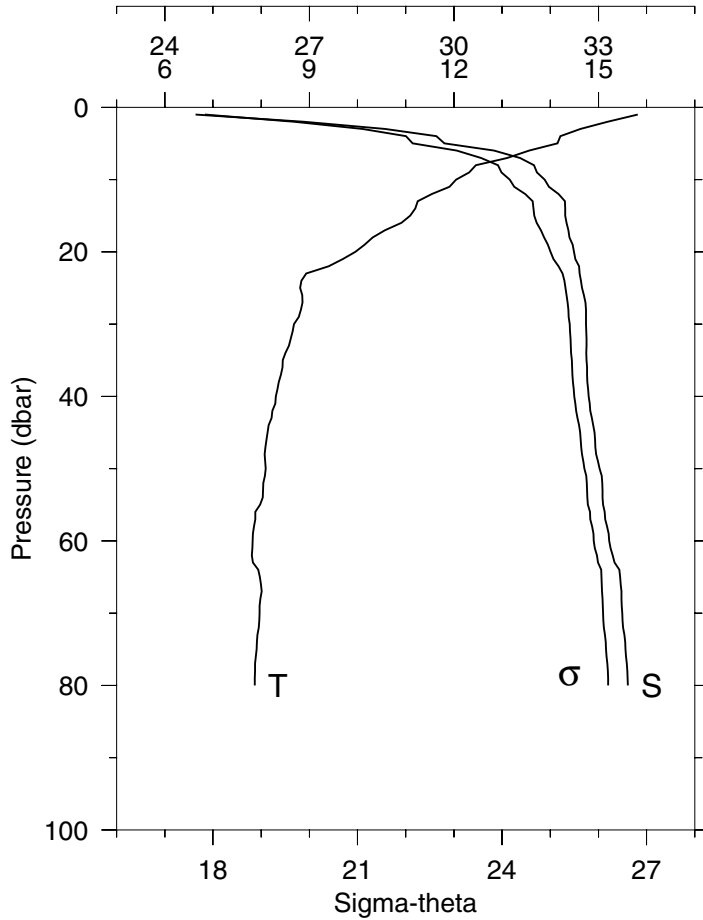


STA: 4 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W  
03 JUL 1999 2214 GMT DEPTH 81

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	14.13	30.393	14.13	22.605	0.105	0.60	4.18
10	11.60	31.828	11.59	24.201	0.459	0.96	4.29
20	8.60	32.524	8.60	25.241	0.759	0.57	4.48
30	8.04	32.816	8.03	25.554	1.016	0.49	4.52
40	7.97	33.074	7.97	25.766	1.250	0.22	4.55
50	7.81	33.473	7.81	26.103	1.458	0.19	4.52
60	7.67	33.776	7.66	26.361	1.635	0.16	4.55
70	7.49	33.894	7.48	26.480	1.796	0.16	4.54
76	7.43	33.915	7.42	26.506	1.889	0.17	4.45

W9907A

### Station 5 NH-15 Temperature, Salinity



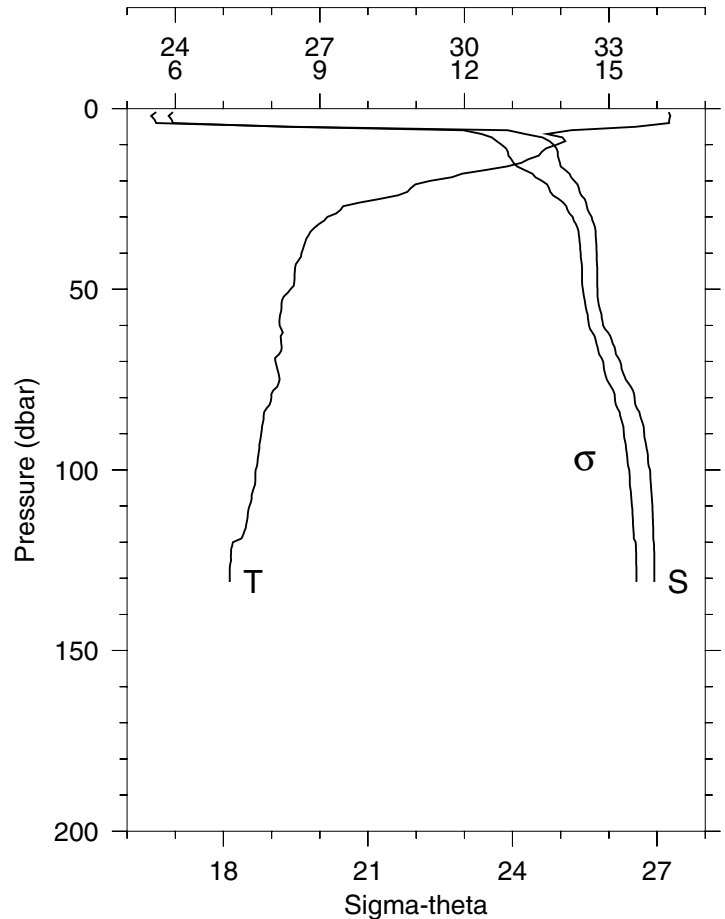
STA: 5 NH-15 LAT: 44 39.0 N LONG: 124 24.8 W  
03 JUL 1999 2331 GMT DEPTH 91

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	15.82	24.636	15.82	17.833	0.098	0.85	3.91
10	12.05	31.883	12.05	24.161	0.598	1.26	4.23
20	9.96	32.494	9.95	25.004	0.925	1.60	4.32
30	8.68	32.745	8.68	25.403	1.194	0.71	4.49
40	8.31	32.798	8.30	25.501	1.447	0.34	4.54
50	8.10	33.026	8.09	25.711	1.685	0.22	4.55
60	7.82	33.222	7.82	25.904	1.904	0.19	4.53
70	7.97	33.493	7.96	26.097	2.102	0.16	4.55
80	7.87	33.612	7.86	26.204	2.288	0.16	4.55

STA: 6 NH-20 LAT: 44 39.1 N LONG: 124 31.6 W  
04 JUL 1999 0115 GMT DEPTH 141

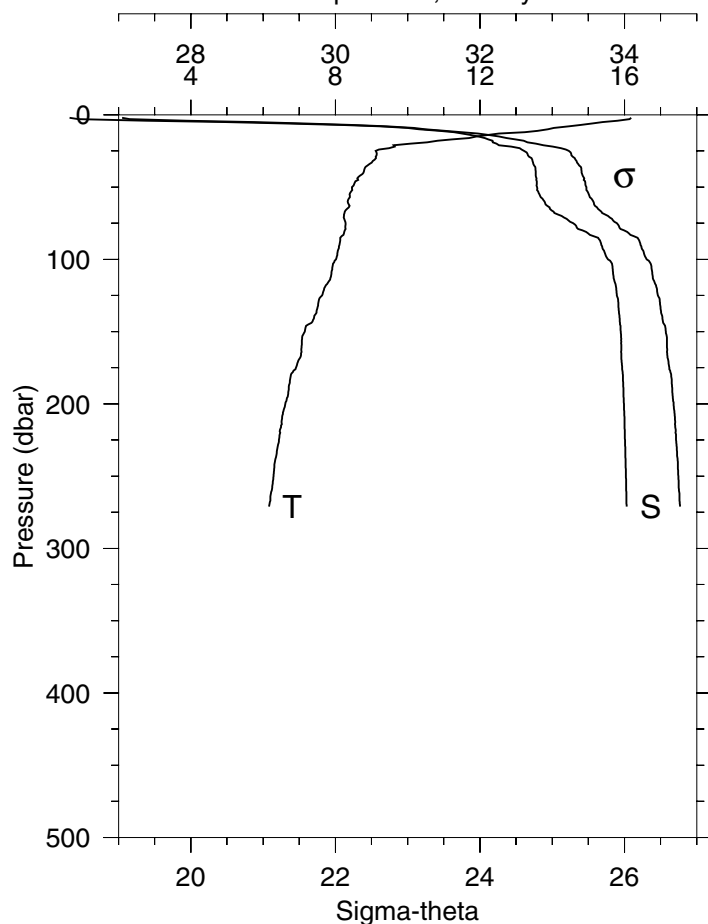
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	16.24	23.604	16.24	16.953	0.107	1.25	3.93
10	13.91	31.850	13.91	23.772	0.765	0.83	4.34
20	11.28	32.283	11.28	24.612	1.145	0.90	4.38
30	9.16	32.641	9.15	25.247	1.445	1.40	4.41
40	8.62	32.745	8.62	25.412	1.707	0.67	4.51
50	8.39	32.761	8.39	25.459	1.961	0.44	4.53
60	8.16	32.880	8.16	25.586	2.206	0.26	4.55
70	8.07	33.236	8.07	25.879	2.432	0.18	4.56
80	7.99	33.531	7.98	26.123	2.635	0.16	4.55
90	7.78	33.731	7.77	26.311	2.814	0.16	4.55
100	7.67	33.854	7.66	26.424	2.981	0.16	4.55
110	7.54	33.901	7.53	26.480	3.140	0.15	4.55
120	7.20	33.934	7.19	26.553	3.294	0.16	4.49
130	7.13	33.944	7.12	26.571	3.442	0.16	4.41
131	7.13	33.944	7.12	26.571	3.457	0.16	4.40

### Station 6 NH-20 Temperature, Salinity



W9907A

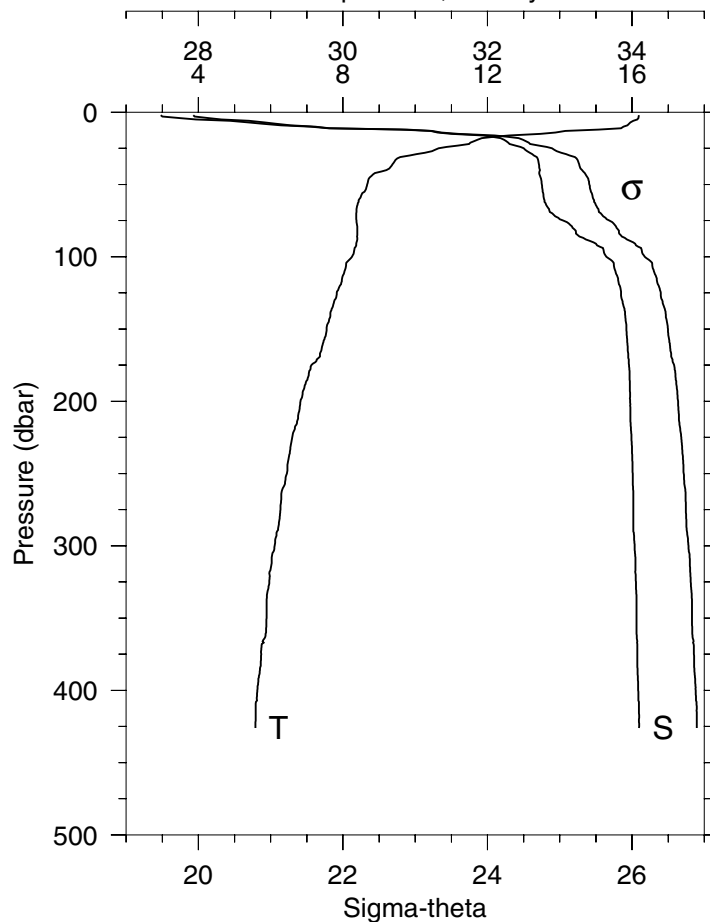
### Station 7 NH-25 Temperature, Salinity



STA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W  
04 JUL 1999 0233 GMT DEPTH 294

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	16.18	26.323	16.18	19.047	0.173	0.79	4.16
10	13.89	31.154	13.88	23.241	0.689	0.71	4.29
20	10.07	32.228	10.07	24.777	1.063	1.72	4.26
30	9.13	32.713	9.12	25.309	1.343	0.80	4.50
40	8.78	32.771	8.77	25.408	1.603	0.49	4.54
50	8.46	32.789	8.45	25.471	1.857	0.28	4.56
60	8.34	32.892	8.34	25.569	2.104	0.21	4.56
70	8.24	33.130	8.23	25.772	2.339	0.16	4.56
80	8.26	33.419	8.25	25.995	2.551	0.15	4.57
90	8.11	33.679	8.10	26.221	2.739	0.15	4.57
100	8.01	33.770	8.00	26.308	2.915	0.14	4.57
110	7.89	33.843	7.88	26.384	3.082	0.15	4.57
120	7.69	33.887	7.68	26.447	3.245	0.15	4.57
130	7.53	33.914	7.51	26.492	3.402	0.15	4.57
140	7.41	33.932	7.40	26.523	3.556	0.15	4.57
150	7.15	33.948	7.14	26.572	3.706	0.15	4.55
175	6.91	33.967	6.90	26.619	4.071	0.15	4.54
200	6.61	33.992	6.60	26.679	4.422	0.16	4.54
225	6.44	34.007	6.42	26.714	4.763	0.16	4.55
250	6.28	34.020	6.26	26.745	5.097	0.15	4.54
271	6.16	34.030	6.14	26.768	5.374	0.15	4.51

### Station 8 NH-35 Temperature, Salinity

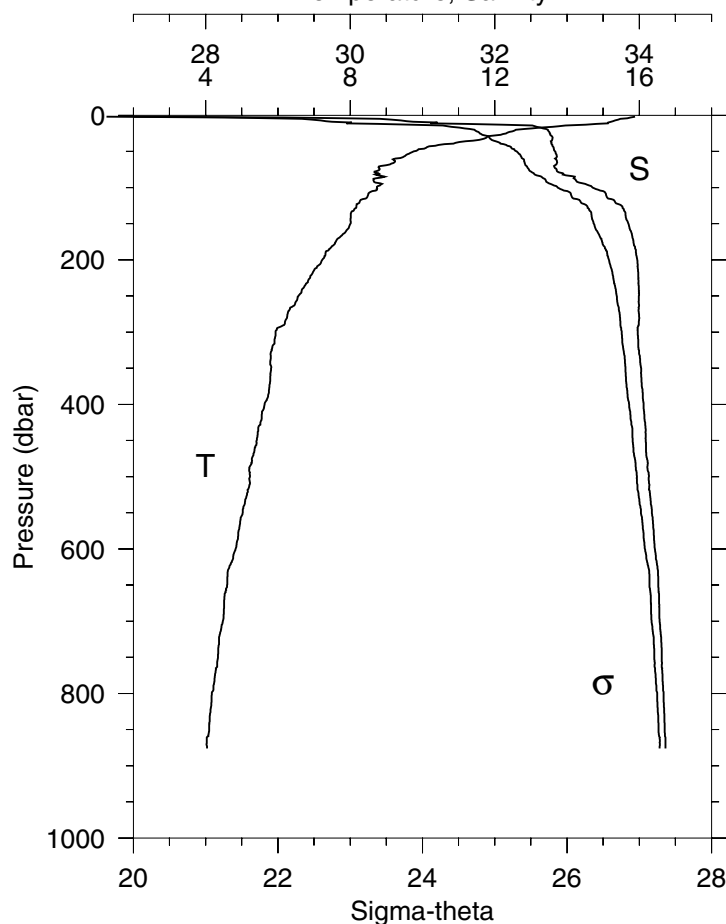


STA: 8 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W  
04 JUL 1999 0510 GMT DEPTH 446

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	16.19	27.478	16.19	19.931	0.156	0.46	4.33
10	15.76	29.553	15.76	21.615	0.725	0.40	4.36
20	11.64	32.258	11.63	24.528	1.162	0.63	4.42
30	9.85	32.641	9.85	25.136	1.472	1.79	4.32
40	9.20	32.728	9.19	25.310	1.743	1.12	4.45
50	8.67	32.754	8.67	25.411	2.003	0.43	4.55
60	8.46	32.782	8.45	25.466	2.258	0.32	4.56
70	8.37	32.897	8.36	25.569	2.505	0.21	4.57
80	8.40	33.176	8.39	25.784	2.736	0.15	4.58
90	8.38	33.469	8.37	26.017	2.950	0.14	4.58
100	8.25	33.647	8.24	26.176	3.140	0.14	4.58
110	8.04	33.771	8.03	26.304	3.317	0.13	4.59
120	7.92	33.829	7.91	26.368	3.487	0.14	4.58
130	7.77	33.863	7.76	26.416	3.651	0.14	4.58
140	7.65	33.905	7.64	26.467	3.811	0.14	4.58
150	7.55	33.924	7.53	26.497	3.967	0.15	4.58
175	7.13	33.958	7.11	26.583	4.348	0.15	4.58
200	6.83	33.975	6.81	26.637	4.709	0.14	4.58
225	6.60	33.992	6.58	26.682	5.061	0.15	4.57
250	6.45	34.010	6.43	26.716	5.403	0.15	4.53
275	6.27	34.019	6.25	26.747	5.737	0.15	4.55
300	6.11	34.036	6.08	26.781	6.066	0.15	4.53
350	5.89	34.063	5.86	26.830	6.701	0.15	4.52
400	5.63	34.086	5.60	26.880	7.319	0.15	4.54
426	5.58	34.097	5.55	26.896	7.632	0.15	4.53

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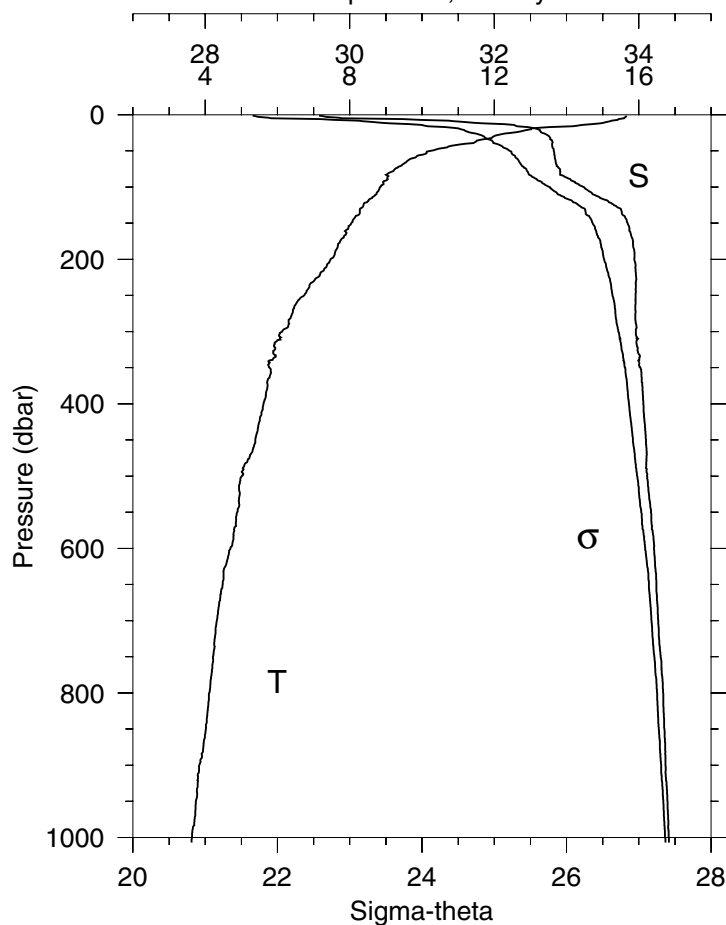
# Station 9 NH-45 Temperature, Salinity



STA: 9 NH-45 LAT: 44 39.1 N LONG: 125 8.6 W  
04 JUL 1999 0731 GMT DEPTH 881

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	15.88	26.995	15.88	19.627	0.162	0.52	4.28
10	15.14	31.207	15.14	23.021	0.614	0.28	4.40
20	12.59	32.733	12.58	24.719	0.997	0.75	4.39
30	11.79	32.799	11.78	24.920	1.311	2.28	4.25
40	10.60	32.788	10.60	25.124	1.607	1.74	4.43
50	9.76	32.835	9.75	25.303	1.881	0.93	4.52
60	9.25	32.836	9.24	25.386	2.143	0.37	4.56
70	8.85	32.821	8.84	25.438	2.400	0.31	4.57
80	8.78	32.940	8.77	25.541	2.651	0.21	4.58
90	8.65	33.123	8.64	25.705	2.887	0.15	4.59
100	8.74	33.355	8.73	25.873	3.110	0.13	4.59
110	8.49	33.541	8.48	26.056	3.313	0.14	4.59
120	8.26	33.664	8.25	26.189	3.504	0.13	4.59
130	8.11	33.785	8.10	26.305	3.681	0.13	4.59
140	8.01	33.812	8.00	26.341	3.852	0.13	4.59
150	8.01	33.848	7.99	26.371	4.021	0.14	4.59
175	7.60	33.918	7.58	26.485	4.426	0.14	4.59
200	7.22	33.972	7.20	26.581	4.805	0.15	4.58
225	6.89	33.988	6.86	26.640	5.167	0.15	4.59
250	6.57	33.995	6.55	26.688	5.518	0.14	4.59
275	6.27	33.996	6.24	26.728	5.859	0.14	4.59
300	5.93	33.978	5.91	26.757	6.193	0.14	4.59
350	5.81	34.025	5.78	26.810	6.841	0.15	4.59
400	5.63	34.059	5.60	26.859	7.472	0.15	4.59
450	5.41	34.088	5.37	26.909	8.076	0.15	4.59
500	5.23	34.132	5.18	26.966	8.658	0.15	4.59
600	4.83	34.216	4.78	27.079	9.750	0.15	4.57
800	4.17	34.337	4.11	27.247	11.661	0.15	4.57
876	4.04	34.361	3.97	27.280	12.329	0.15	4.57

# Station 10 NH-55 Temperature, Salinity

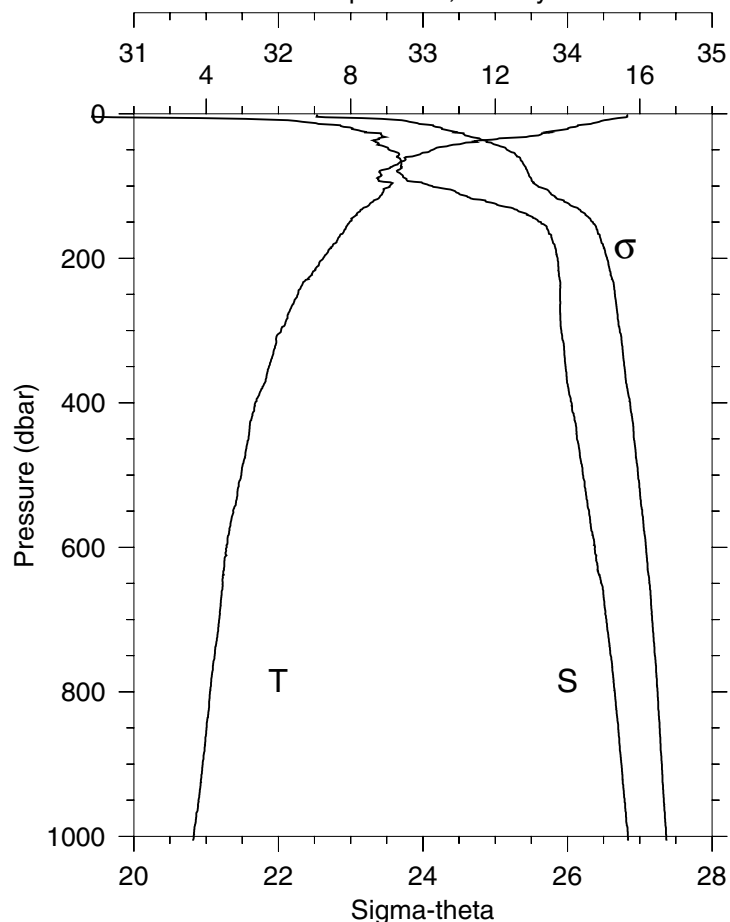


STA: 10 NH-55 LAT: 44 39.1 N LONG: 125 22.1 W  
04 JUL 1999 1019 GMT DEPTH 2862

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	15.66	29.575	15.66	21.655	0.061	0.29	4.43
10	15.11	31.589	15.11	23.322	0.552	0.31	4.40
20	13.02	32.606	13.02	24.536	0.941	0.41	4.38
30	11.98	32.761	11.98	24.855	1.265	1.00	4.32
40	11.23	32.799	11.23	25.022	1.567	1.96	4.38
50	10.24	32.822	10.23	25.213	1.850	0.99	4.51
60	9.77	32.837	9.76	25.304	2.121	0.55	4.55
70	9.44	32.865	9.43	25.379	2.384	0.30	4.57
80	9.10	32.913	9.09	25.470	2.640	0.22	4.58
90	9.04	33.058	9.03	25.594	2.886	0.17	4.58
100	8.84	33.241	8.83	25.769	3.119	0.14	4.59
110	8.73	33.362	8.72	25.879	3.337	0.13	4.59
120	8.49	33.578	8.48	26.086	3.540	0.13	4.59
130	8.28	33.750	8.27	26.252	3.726	0.12	4.59
140	8.17	33.801	8.16	26.309	3.903	0.13	4.59
150	8.04	33.845	8.03	26.363	4.073	0.13	4.59
175	7.74	33.919	7.72	26.467	4.481	0.15	4.59
200	7.47	33.937	7.45	26.520	4.872	0.14	4.59
225	7.11	33.963	7.09	26.590	5.248	0.14	4.59
250	6.74	33.957	6.72	26.636	5.610	0.14	4.59
275	6.41	33.953	6.39	26.676	5.962	0.14	4.59
300	6.13	33.958	6.11	26.716	6.306	0.14	4.59
350	5.78	34.022	5.75	26.811	6.963	0.14	4.59
400	5.61	34.064	5.58	26.865	7.589	0.15	4.59
450	5.39	34.098	5.35	26.919	8.191	0.15	4.59
500	5.01	34.116	4.97	26.977	8.768	0.14	4.59
600	4.70	34.211	4.65	27.089	9.847	0.15	4.59
800	4.11	34.336	4.05	27.253	11.752	0.15	4.59
1000	3.64	34.415	3.56	27.365	13.429	0.14	4.59
1007	3.62	34.418	3.55	27.369	13.484	0.14	4.59

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# Station 11 NH-65 Temperature, Salinity

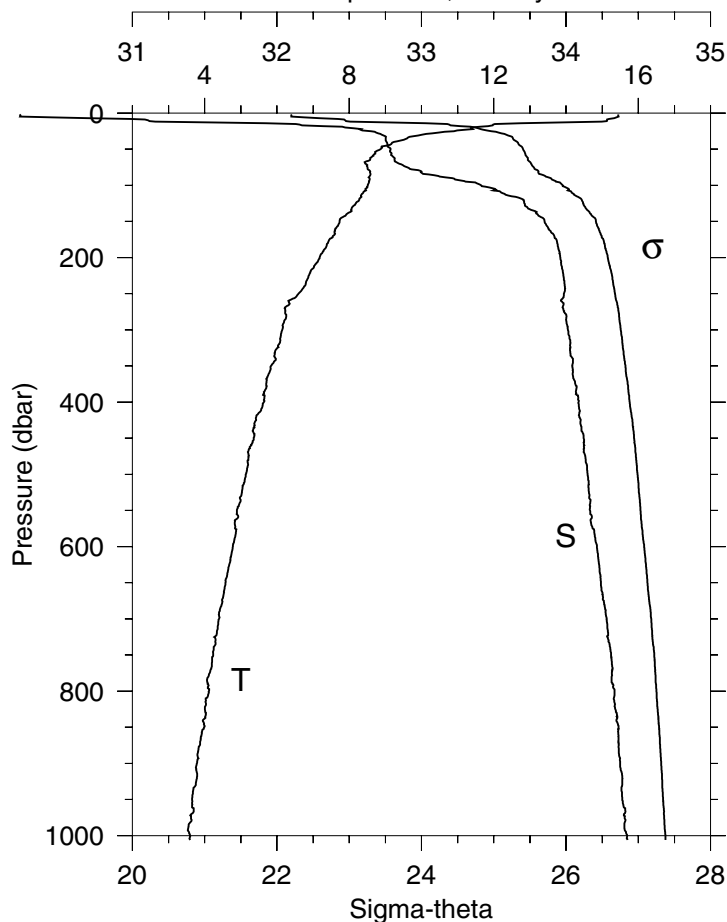
 STA: 11 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W  
 04 JUL 1999 1211 GMT DEPTH 2857


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	15.64	30.726	15.64	22.542	0.053	0.27	4.41
10	14.93	32.125	14.93	23.773	0.487	0.29	4.41
20	14.02	32.511	14.02	24.262	0.875	0.33	4.40
30	13.20	32.715	13.19	24.585	1.224	0.57	4.35
40	11.19	32.687	11.19	24.942	1.541	0.94	4.34
50	10.27	32.765	10.26	25.164	1.830	1.50	4.41
60	9.53	32.819	9.52	25.328	2.102	0.93	4.51
70	9.30	32.850	9.29	25.390	2.363	0.43	4.56
80	8.79	32.821	8.78	25.446	2.619	0.36	4.57
90	8.77	32.886	8.76	25.500	2.871	0.26	4.57
100	9.08	33.064	9.07	25.592	3.117	0.18	4.58
110	8.87	33.247	8.86	25.768	3.348	0.15	4.59
120	8.64	33.432	8.62	25.949	3.565	0.14	4.59
130	8.37	33.610	8.35	26.130	3.765	0.13	4.59
140	8.17	33.720	8.15	26.246	3.949	0.13	4.59
150	7.97	33.815	7.95	26.350	4.123	0.13	4.59
175	7.63	33.895	7.61	26.463	4.530	0.13	4.59
200	7.24	33.932	7.22	26.547	4.917	0.13	4.59
225	6.88	33.942	6.86	26.605	5.288	0.14	4.59
250	6.54	33.948	6.51	26.656	5.644	0.14	4.59
275	6.29	33.949	6.26	26.688	5.994	0.14	4.59
300	6.07	33.957	6.05	26.723	6.336	0.14	4.59
350	5.74	33.987	5.71	26.788	6.995	0.14	4.59
400	5.36	34.027	5.32	26.866	7.628	0.14	4.59
450	5.17	34.065	5.14	26.918	8.226	0.14	4.59
500	4.97	34.107	4.93	26.975	8.802	0.14	4.59
600	4.57	34.190	4.52	27.087	9.880	0.14	4.59
800	4.11	34.327	4.05	27.246	11.794	0.14	4.59
1000	3.66	34.418	3.59	27.365	13.479	0.15	4.59
1006	3.64	34.420	3.57	27.369	13.526	0.14	4.59

# Station 12 NH-85 Temperature, Salinity

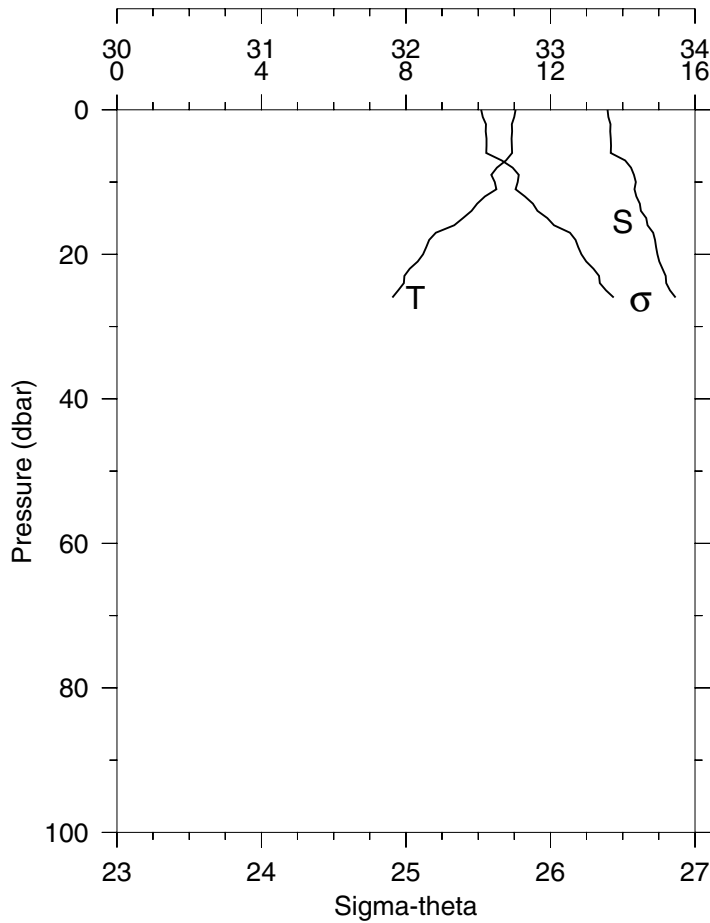
 STA: 12 NH-85 LAT: 44 39.1 N LONG: 126 3.1 W  
 04 JUL 1999 1539 GMT DEPTH 2881

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	15.45	30.219	15.45	22.195	0.113	0.22	4.43
10	15.14	31.108	15.14	22.946	0.540	0.22	4.47
20	11.37	32.473	11.37	24.744	0.933	0.44	4.39
30	10.02	32.725	10.01	25.174	1.232	2.38	4.31
40	9.24	32.758	9.23	25.326	1.502	0.62	4.53
50	8.87	32.786	8.86	25.406	1.763	0.37	4.56
60	8.64	32.800	8.64	25.452	2.018	0.27	4.57
70	8.45	32.846	8.44	25.517	2.268	0.17	4.58
80	8.58	32.995	8.57	25.615	2.511	0.16	4.58
90	8.56	33.213	8.55	25.788	2.743	0.14	4.58
100	8.51	33.414	8.50	25.954	2.957	0.13	4.58
110	8.39	33.551	8.38	26.079	3.156	0.13	4.58
120	8.28	33.706	8.27	26.218	3.344	0.13	4.58
130	8.09	33.730	8.08	26.265	3.523	0.12	4.59
140	7.92	33.803	7.91	26.347	3.696	0.13	4.59
150	7.73	33.852	7.72	26.414	3.862	0.13	4.59
175	7.46	33.933	7.44	26.517	4.259	0.14	4.58
200	7.18	33.961	7.16	26.578	4.636	0.14	4.57
225	6.88	33.982	6.86	26.637	4.999	0.15	4.57
250	6.59	33.986	6.57	26.677	5.351	0.14	4.57
275	6.23	33.986	6.20	26.726	5.693	0.14	4.59
300	6.15	34.013	6.12	26.757	6.027	0.14	4.58
350	5.84	34.043	5.81	26.821	6.673	0.14	4.58
400	5.64	34.086	5.60	26.880	7.292	0.15	4.59
450	5.36	34.122	5.32	26.942	7.883	0.14	4.59
500	5.14	34.149	5.10	26.990	8.451	0.14	4.59
600	4.78	34.213	4.73	27.082	9.531	0.14	4.58
800	4.11	34.335	4.05	27.251	11.444	0.14	4.59
1000	3.60	34.423	3.52	27.375	13.104	0.14	4.59
1006	3.60	34.427	3.53	27.378	13.151	0.14	4.58



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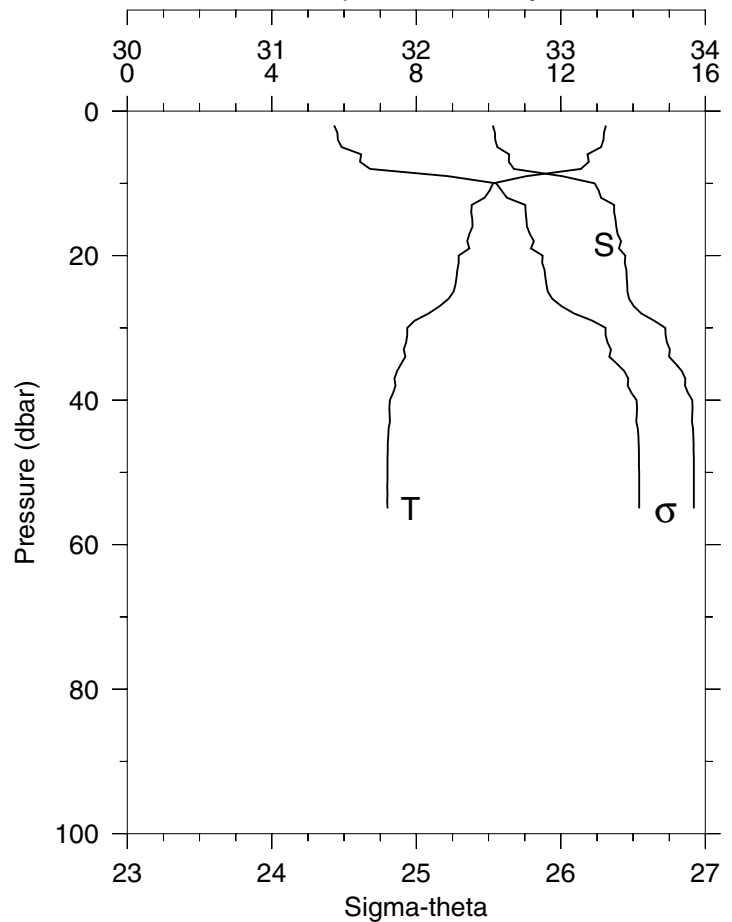
### Station 13 FM-1 Temperature, Salinity



STA: 13 FM-1 LAT: 43 13.1 N LONG: 124 26.0 W  
05 JUL 1999 0204 GMT DEPTH 33

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
0	11.03	33.395	11.03	25.521	0.000	2.98	3.80
10	10.46	33.590	10.46	25.773	0.237	3.63	3.84
20	8.47	33.740	8.47	26.215	0.438	3.00	3.91
26	7.63	33.865	7.62	26.438	0.539	2.01	4.28

### Station 14 FM-3 Temperature, Salinity

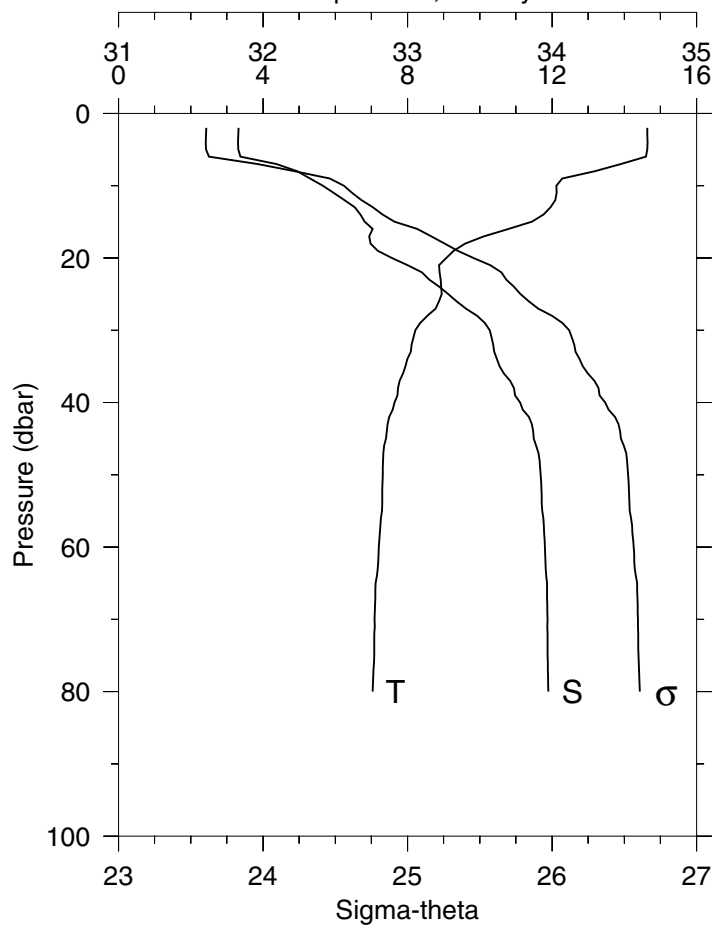


STA: 14 FM-3 LAT: 43 13.1 N LONG: 124 30.1 W  
05 JUL 1999 0302 GMT DEPTH 61

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	13.25	32.530	13.25	24.431	0.070	2.91	3.76
10	10.13	33.235	10.12	25.554	0.329	4.59	3.67
20	9.18	33.446	9.17	25.875	0.554	4.53	3.83
30	7.75	33.724	7.75	26.309	0.756	0.99	4.40
40	7.27	33.910	7.26	26.524	0.919	0.39	4.41
50	7.20	33.920	7.19	26.542	1.069	0.25	4.43
55	7.20	33.921	7.19	26.542	1.143	0.24	4.43

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### Station 15 FM-4 Temperature, Salinity



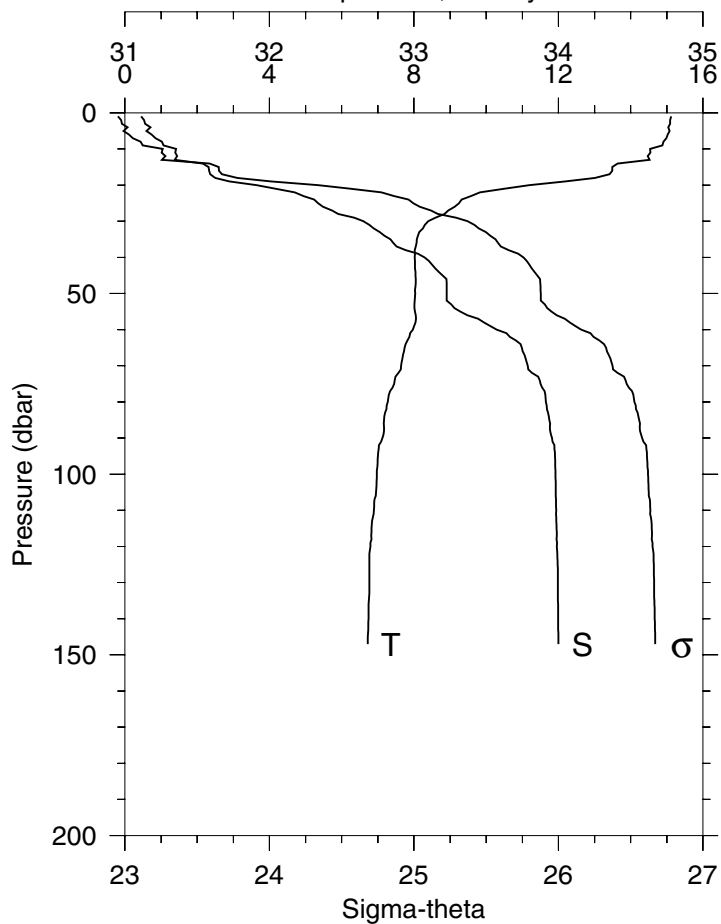
STA: 15 FM-4 LAT: 43 13.1 N LONG: 124 35.1 W  
05 JUL 1999 0408 GMT DEPTH 84

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	14.64	31.830	14.64	23.607	0.086	1.14	3.91
10	12.12	32.414	12.12	24.559	0.406	2.66	3.74
20	9.07	32.891	9.07	25.456	0.704	1.47	4.25
30	8.22	33.569	8.21	26.119	0.923	1.01	4.32
40	7.64	33.779	7.64	26.368	1.102	0.26	4.50
50	7.31	33.920	7.31	26.526	1.257	0.26	4.47
60	7.20	33.951	7.20	26.565	1.406	0.17	4.53
70	7.09	33.968	7.08	26.595	1.552	0.22	4.45
80	7.03	33.974	7.03	26.607	1.696	0.19	4.43

STA: 16 FM-5 LAT: 43 13.1 N LONG: 124 40.0 W  
05 JUL 1999 0514 GMT DEPTH 155

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	15.12	31.112	15.12	22.951	0.049	0.74	4.06
10	14.54	31.354	14.54	23.261	0.482	0.90	4.00
20	11.20	31.912	11.19	24.338	0.912	2.76	3.75
30	8.40	32.650	8.39	25.371	1.210	0.85	4.46
40	8.02	33.074	8.02	25.759	1.453	0.28	4.54
50	8.03	33.227	8.03	25.878	1.668	0.35	4.51
60	7.97	33.573	7.96	26.159	1.871	0.35	4.51
70	7.64	33.788	7.64	26.375	2.043	0.20	4.51
80	7.27	33.914	7.27	26.526	2.199	0.23	4.50
90	7.13	33.956	7.12	26.580	2.348	0.17	4.52
100	6.97	33.980	6.96	26.620	2.491	0.17	4.54
110	6.89	33.985	6.88	26.636	2.633	0.17	4.53
120	6.79	33.989	6.78	26.652	2.773	0.16	4.48
130	6.76	33.996	6.75	26.662	2.912	0.17	4.35
140	6.74	33.998	6.73	26.666	3.051	0.17	4.32
147	6.72	33.999	6.71	26.670	3.148	0.17	4.30

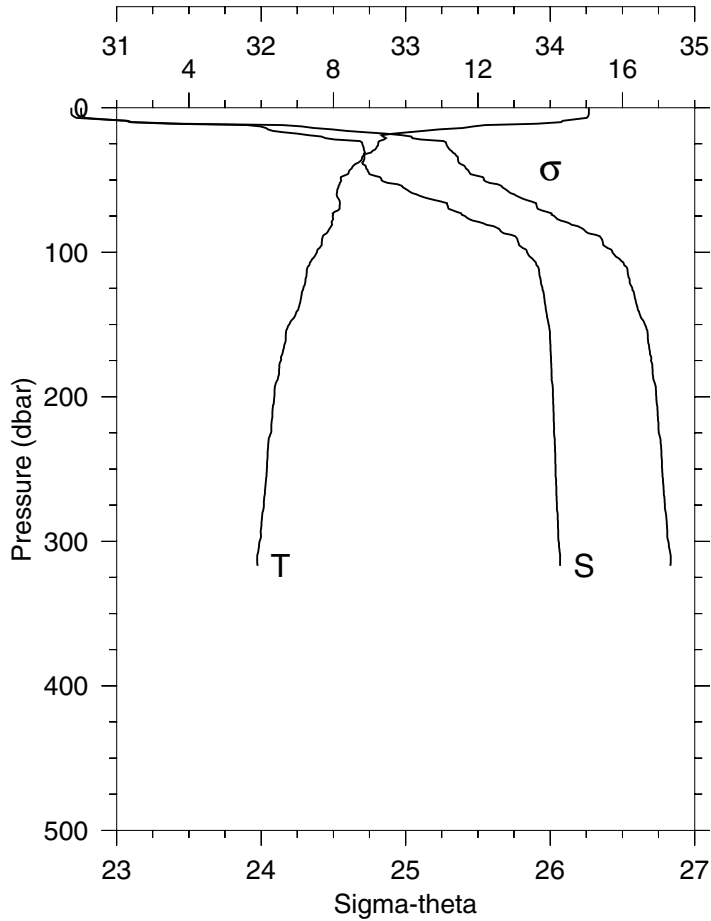
### Station 16 FM-5 Temperature, Salinity





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### Station 17 FM-6 Temperature, Salinity



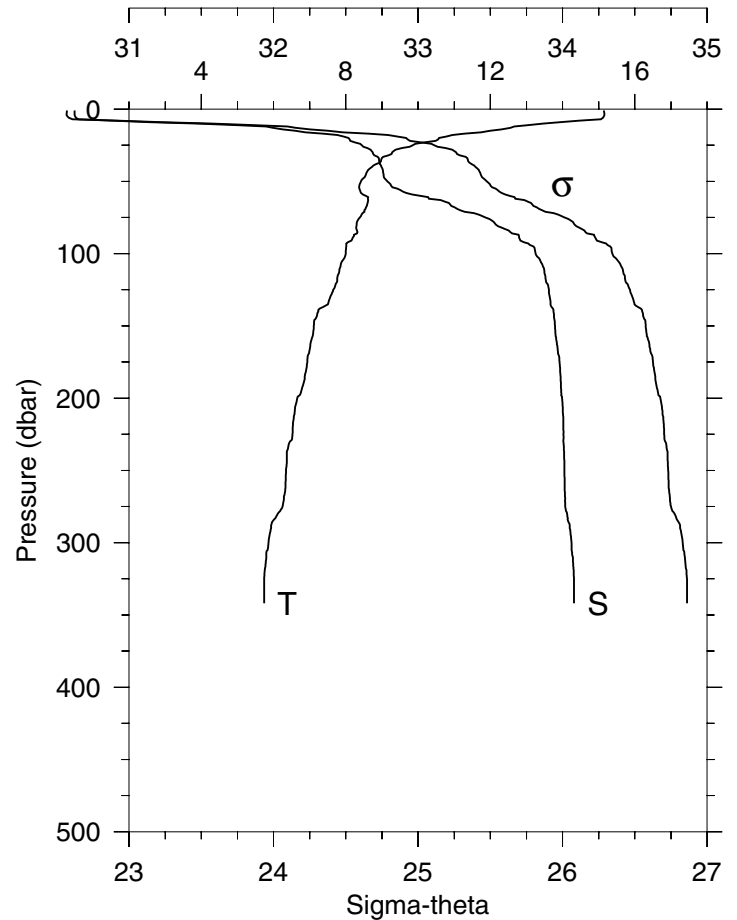
STA: 17 FM-6 LAT: 43 13.1 N LONG: 124 45.2 W  
05 JUL 1999 0704 GMT DEPTH 323

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
0	15.07	30.755	15.07	22.687	0.000	0.45	4.25
10	14.30	31.090	14.30	23.106	0.508	0.51	4.31
20	9.37	32.418	9.37	25.039	0.860	1.62	4.28
30	9.08	32.715	9.08	25.318	1.133	1.35	4.42
40	8.56	32.722	8.55	25.404	1.395	0.60	4.52
50	8.21	32.832	8.21	25.541	1.646	0.23	4.55
60	8.09	33.076	8.08	25.751	1.879	0.21	4.55
70	8.17	33.298	8.16	25.914	2.094	0.19	4.56
80	7.96	33.536	7.95	26.131	2.293	0.22	4.54
90	7.70	33.767	7.69	26.351	2.471	0.17	4.54
100	7.54	33.839	7.53	26.430	2.636	0.17	4.52
110	7.29	33.916	7.28	26.526	2.792	0.20	4.51
120	7.22	33.935	7.21	26.550	2.942	0.19	4.52
130	7.11	33.957	7.10	26.583	3.090	0.17	4.52
140	7.02	33.970	7.00	26.607	3.235	0.17	4.54
150	6.77	33.990	6.76	26.656	3.377	0.16	4.50
175	6.55	34.006	6.53	26.698	3.721	0.15	4.50
200	6.36	34.019	6.35	26.734	4.057	0.15	4.54
225	6.27	34.026	6.25	26.751	4.387	0.15	4.54
250	6.16	34.037	6.14	26.775	4.713	0.15	4.53
275	6.07	34.046	6.05	26.793	5.035	0.16	4.52
300	5.96	34.058	5.93	26.817	5.353	0.15	4.47
317	5.90	34.069	5.87	26.833	5.566	0.16	4.32

STA: 18 FM-7 LAT: 43 13.2 N LONG: 124 49.8 W  
05 JUL 1999 0807 GMT DEPTH 347

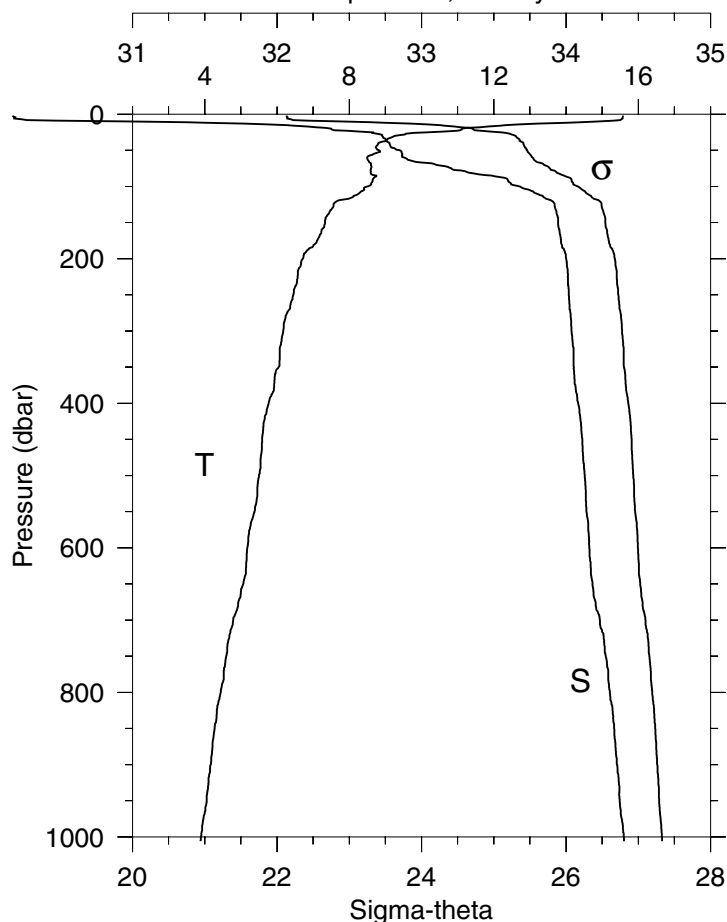
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	15.15	30.623	15.15	22.570	0.053	0.39	4.29
10	13.47	31.468	13.47	23.566	0.512	0.50	4.28
20	10.58	32.518	10.58	24.917	0.866	0.97	4.32
30	9.28	32.686	9.28	25.263	1.152	1.21	4.44
40	8.72	32.747	8.71	25.399	1.415	0.71	4.52
50	8.42	32.788	8.42	25.476	1.670	0.41	4.55
60	8.55	33.014	8.55	25.633	1.914	0.20	4.58
70	8.52	33.292	8.51	25.857	2.138	0.15	4.59
80	8.30	33.538	8.30	26.082	2.339	0.14	4.58
90	8.18	33.704	8.17	26.232	2.524	0.13	4.58
100	8.00	33.814	7.99	26.344	2.696	0.14	4.58
110	7.83	33.871	7.82	26.413	2.862	0.14	4.58
120	7.75	33.888	7.74	26.439	3.023	0.15	4.57
130	7.57	33.911	7.56	26.483	3.181	0.15	4.57
140	7.24	33.938	7.22	26.552	3.334	0.16	4.48
150	7.11	33.948	7.10	26.576	3.482	0.18	4.43
175	6.94	33.979	6.92	26.625	3.846	0.16	4.46
200	6.66	33.997	6.64	26.677	4.199	0.15	4.43
225	6.53	34.006	6.51	26.703	4.542	0.15	4.44
250	6.35	34.013	6.33	26.731	4.878	0.15	4.57
275	6.25	34.019	6.22	26.750	5.212	0.15	4.55
300	5.86	34.062	5.83	26.832	5.531	0.16	4.54
342	5.74	34.080	5.71	26.861	6.047	0.16	4.51

### Station 18 FM-7 Temperature, Salinity



# Station 19 FM-8

## Temperature, Salinity



STA: 19 FM-8 LAT: 43 13.2 N LONG: 124 59.6 W  
05 JUL 1999 1007 GMT DEPTH 1078

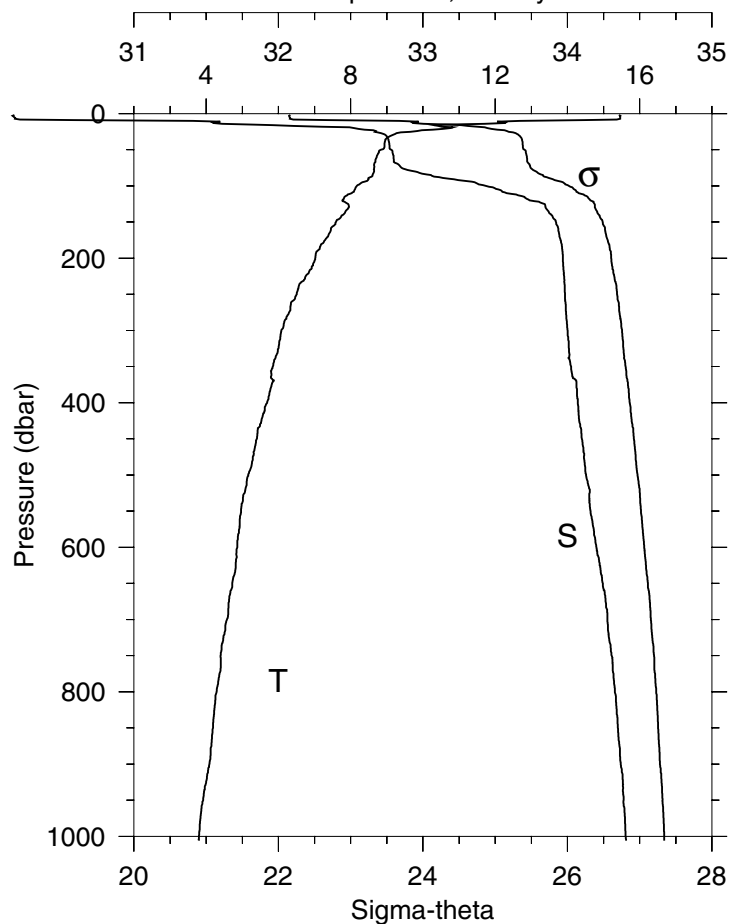
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	15.57	30.173	15.57	22.133	0.114	0.32	4.36
10	14.90	30.962	14.90	22.883	0.561	0.30	4.40
20	11.12	32.374	11.12	24.711	0.944	0.47	4.43
30	9.27	32.727	9.26	25.298	1.237	1.10	4.45
40	8.81	32.778	8.80	25.409	1.499	0.49	4.56
50	8.82	32.849	8.82	25.462	1.754	0.35	4.57
60	8.49	32.878	8.49	25.535	2.002	0.22	4.58
70	8.60	33.102	8.59	25.696	2.241	0.15	4.59
80	8.59	33.315	8.59	25.863	2.463	0.14	4.59
90	8.65	33.595	8.64	26.074	2.667	0.14	4.59
100	8.49	33.681	8.48	26.165	2.859	0.14	4.59
110	8.26	33.797	8.24	26.293	3.039	0.14	4.59
120	7.67	33.903	7.66	26.462	3.206	0.14	4.58
130	7.53	33.925	7.52	26.500	3.361	0.14	4.58
140	7.39	33.940	7.38	26.532	3.514	0.14	4.58
150	7.33	33.945	7.32	26.544	3.665	0.15	4.58
175	7.11	33.966	7.09	26.592	4.036	0.15	4.55
200	6.71	34.001	6.69	26.674	4.392	0.15	4.53
225	6.57	34.012	6.55	26.702	4.735	0.16	4.49
250	6.45	34.019	6.43	26.722	5.074	0.16	4.49
275	6.28	34.030	6.25	26.754	5.408	0.15	4.49
300	6.17	34.038	6.15	26.774	5.736	0.15	4.51
350	6.04	34.053	6.01	26.803	6.381	0.15	4.50
400	5.77	34.084	5.73	26.862	7.011	0.15	4.53
450	5.59	34.112	5.55	26.907	7.615	0.15	4.54
500	5.50	34.129	5.46	26.931	8.209	0.15	4.51
600	5.18	34.161	5.13	26.995	9.361	0.16	4.52
800	4.44	34.302	4.38	27.191	11.439	0.15	4.57
1000	3.89	34.400	3.82	27.327	13.215	0.15	4.56
1006	3.89	34.401	3.81	27.329	13.264	0.15	4.56

# Station 20 FM-9

## Temperature, Salinity

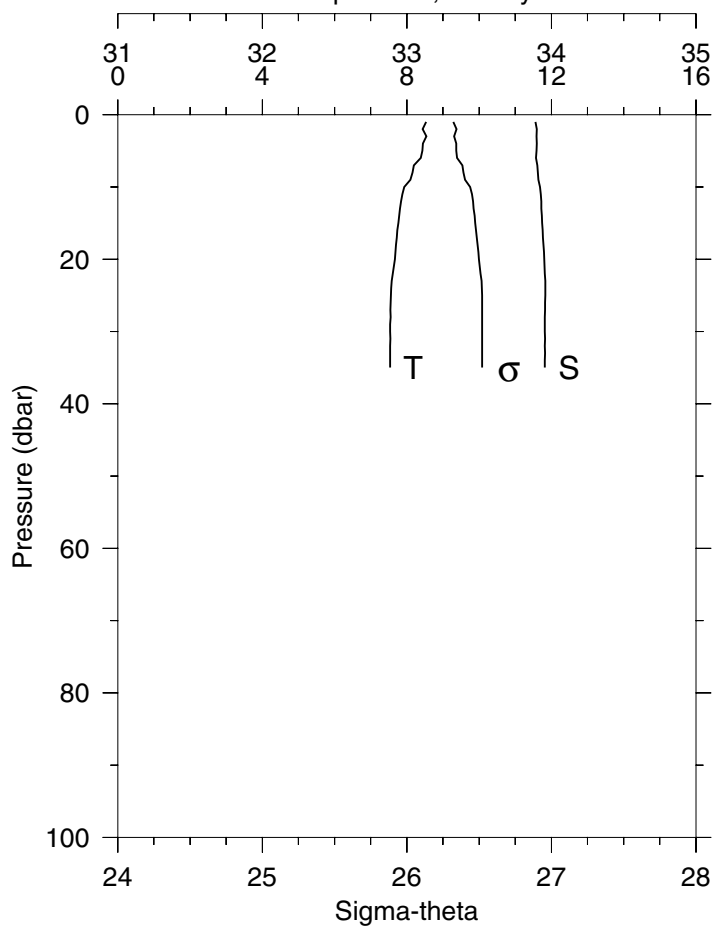
STA: 20 FM-9 LAT: 43 13.1 N LONG: 125 10.1 W  
05 JUL 1999 1208 GMT DEPTH 1638

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	15.42	30.174	15.42	22.165	0.113	0.34	4.34
10	12.68	31.409	12.68	23.675	0.553	0.68	4.15
20	10.75	32.524	10.75	24.892	0.914	1.74	4.32
30	9.15	32.743	9.14	25.329	1.193	0.95	4.49
40	8.94	32.766	8.94	25.379	1.454	0.62	4.54
50	8.84	32.780	8.83	25.406	1.713	0.50	4.55
60	8.72	32.797	8.71	25.438	1.968	0.31	4.57
70	8.65	32.830	8.65	25.474	2.221	0.23	4.58
80	8.65	32.949	8.64	25.568	2.470	0.19	4.58
90	8.49	33.183	8.48	25.777	2.704	0.16	4.58
100	8.17	33.437	8.16	26.023	2.913	0.15	4.57
110	8.03	33.580	8.02	26.156	3.106	0.15	4.56
120	7.77	33.738	7.76	26.318	3.283	0.17	4.55
130	7.95	33.849	7.94	26.379	3.450	0.15	4.58
140	7.79	33.888	7.78	26.434	3.613	0.14	4.58
150	7.59	33.920	7.58	26.487	3.771	0.15	4.58
175	7.29	33.952	7.27	26.556	4.153	0.15	4.58
200	7.02	33.969	7.00	26.606	4.520	0.15	4.58
225	6.75	33.977	6.73	26.650	4.880	0.15	4.59
250	6.51	33.983	6.49	26.687	5.229	0.14	4.59
275	6.30	33.990	6.27	26.720	5.570	0.17	4.59
300	6.08	34.001	6.06	26.756	5.904	0.15	4.59
350	5.84	34.025	5.81	26.806	6.556	0.15	4.59
400	5.69	34.071	5.65	26.862	7.182	0.15	4.59
450	5.40	34.100	5.36	26.920	7.784	0.15	4.59
500	5.16	34.129	5.12	26.971	8.364	0.15	4.59
600	4.86	34.201	4.81	27.063	9.456	0.15	4.59
800	4.29	34.329	4.23	27.228	11.411	0.15	4.56
1000	3.80	34.403	3.73	27.339	13.136	0.15	4.58
1006	3.79	34.405	3.72	27.341	13.185	0.15	4.59



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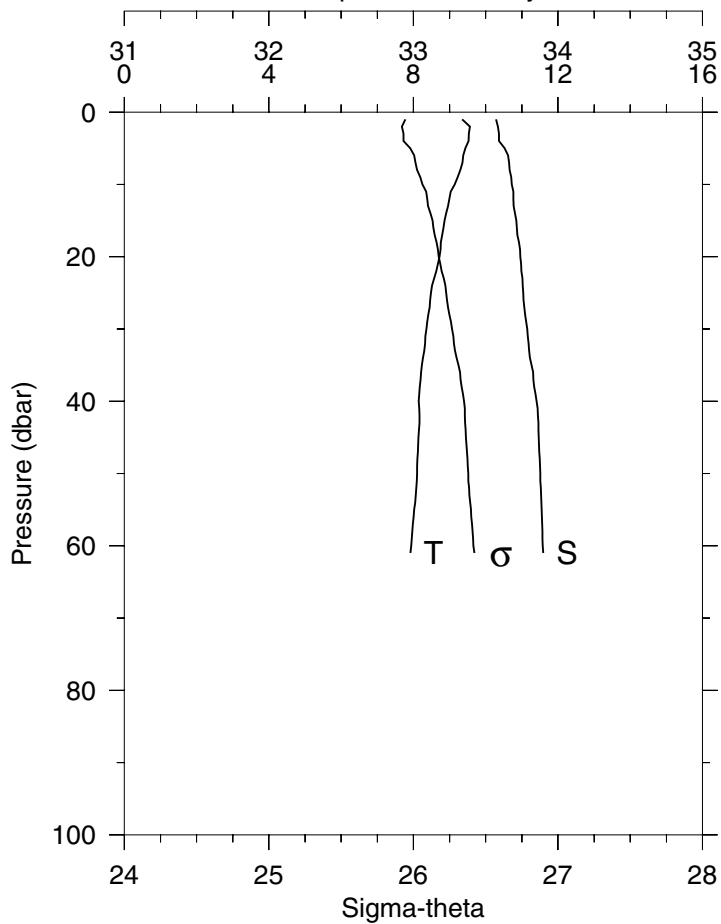
### Station 21 CR-1 Temperature, Salinity



STA: 21 CR-1 LAT: 41 54.0 N LONG: 124 18.0 W  
05 JUL 1999 2101 GMT DEPTH 40

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	8.53	33.890	8.53	26.322	0.017	2.11	3.86
10	7.93	33.920	7.93	26.437	0.166	4.82	4.06
20	7.67	33.950	7.66	26.499	0.321	3.55	4.13
30	7.54	33.955	7.54	26.521	0.472	1.22	4.20
35	7.53	33.955	7.53	26.521	0.547	1.69	4.20

### Station 22 CR-2 Temperature, Salinity

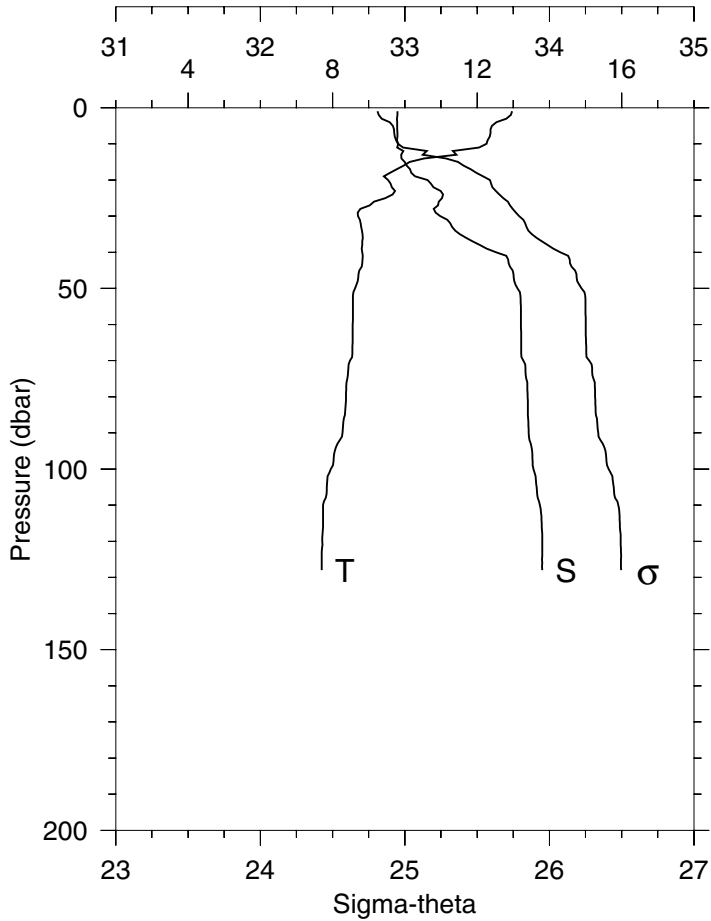


STA: 22 CR-2 LAT: 41 54.0 N LONG: 124 24.0 W  
05 JUL 1999 2201 GMT DEPTH 67

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.35	33.572	9.35	25.944	0.021	0.96	3.85
10	9.15	33.681	9.14	26.063	0.202	5.00	3.58
20	8.72	33.740	8.72	26.176	0.390	4.15	4.04
30	8.36	33.787	8.36	26.268	0.568	2.43	4.27
40	8.15	33.852	8.15	26.351	0.739	0.88	4.45
50	8.10	33.878	8.10	26.379	0.905	1.34	4.40
60	7.94	33.894	7.94	26.415	1.068	0.90	4.30
61	7.92	33.898	7.91	26.422	1.084	0.74	4.29

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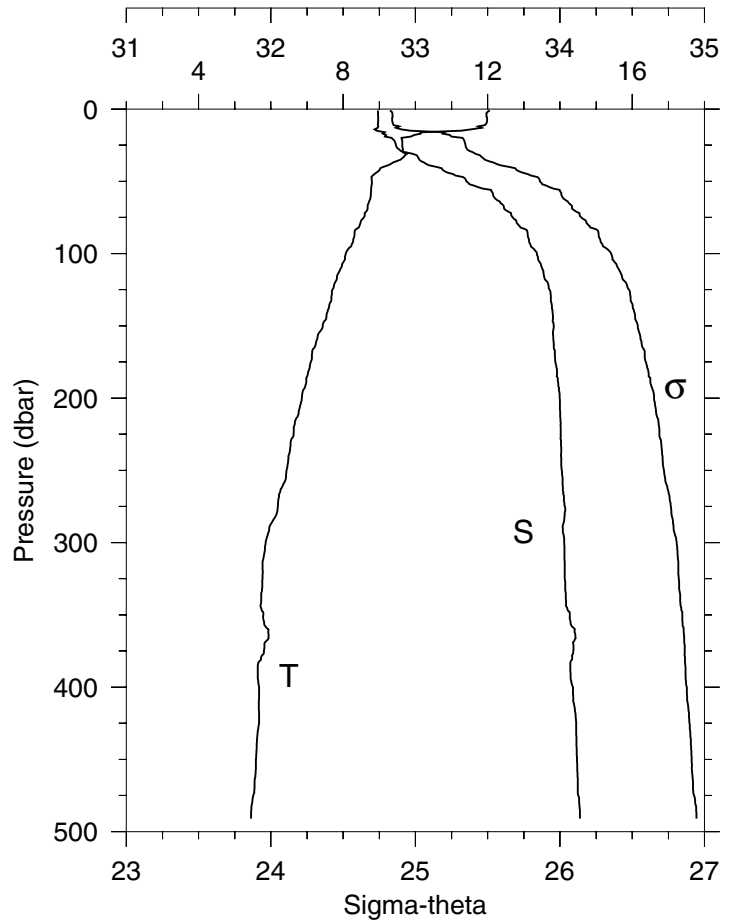
### Station 23 CR-3 Temperature, Salinity



STA: 23 CR-3 LAT: 41 54.0 N LONG: 124 29.9 W  
05 JUL 1999 2305 GMT DEPTH 136

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	12.97	32.949	12.97	24.811	0.031	0.53	4.28
10	12.26	32.954	12.26	24.952	0.306	0.68	4.28
20	9.54	33.157	9.54	25.589	0.571	1.47	4.40
30	8.70	33.243	8.70	25.789	0.802	0.61	4.53
40	8.82	33.631	8.81	26.076	1.011	1.11	4.41
50	8.62	33.778	8.62	26.221	1.196	2.48	4.27
60	8.56	33.803	8.55	26.251	1.373	2.24	4.25
70	8.48	33.820	8.48	26.276	1.550	1.96	4.26
80	8.37	33.849	8.36	26.316	1.722	1.94	4.30
90	8.28	33.857	8.27	26.337	1.893	1.39	4.36
100	7.95	33.889	7.94	26.410	2.058	1.16	4.28
110	7.73	33.934	7.72	26.477	2.217	1.22	4.17
120	7.72	33.950	7.70	26.493	2.373	2.50	4.09
128	7.70	33.950	7.68	26.496	2.497	1.96	4.02

### Station 24 CR-4 Temperature, Salinity



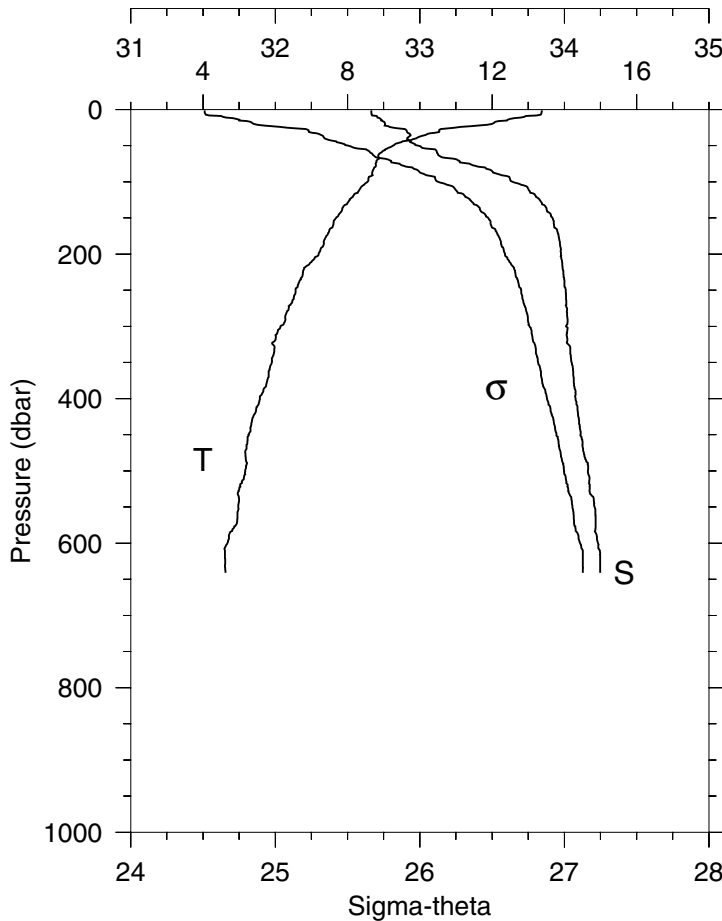
STA: 24 CR-4 LAT: 41 54.0 N LONG: 124 36.0 W  
06 JUL 1999 0035 GMT DEPTH 507

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	12.06	32.740	12.06	24.824	0.031	1.04	4.20
10	11.96	32.742	11.96	24.844	0.310	1.16	4.20
20	9.62	32.835	9.62	25.326	0.601	1.07	4.43
30	9.65	32.934	9.65	25.398	0.863	0.83	4.49
40	9.11	33.147	9.10	25.651	1.111	0.50	4.56
50	8.79	33.353	8.79	25.862	1.333	0.24	4.56
60	8.77	33.538	8.76	26.012	1.539	0.19	4.57
70	8.66	33.626	8.65	26.097	1.734	0.22	4.56
80	8.46	33.710	8.46	26.193	1.921	0.20	4.56
90	8.28	33.785	8.27	26.279	2.098	0.18	4.56
100	8.07	33.841	8.06	26.354	2.270	0.16	4.57
110	7.94	33.877	7.93	26.403	2.436	0.15	4.57
120	7.78	33.915	7.76	26.456	2.598	0.15	4.58
130	7.68	33.937	7.66	26.488	2.754	0.15	4.58
140	7.57	33.948	7.56	26.512	2.909	0.15	4.58
150	7.44	33.957	7.42	26.538	3.061	0.15	4.58
175	7.11	33.969	7.09	26.594	3.432	0.15	4.58
200	6.86	33.998	6.84	26.652	3.791	0.15	4.58
225	6.63	34.006	6.61	26.689	4.139	0.15	4.58
250	6.43	34.013	6.41	26.720	4.479	0.15	4.58
275	6.19	34.034	6.17	26.768	4.811	0.16	4.58
300	5.86	34.030	5.83	26.808	5.134	0.15	4.58
350	5.79	34.068	5.76	26.846	5.763	0.15	4.58
400	5.68	34.090	5.64	26.878	6.377	0.15	4.58
450	5.59	34.118	5.55	26.911	6.978	0.15	4.51
491	5.45	34.139	5.41	26.945	7.461	0.16	4.45

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### Station 25 CR-5 Temperature, Salinity

STA: 25 CR-5 LAT: 41 54.0 N LONG: 124 42.0 W  
06 JUL 1999 0224 GMT DEPTH 659

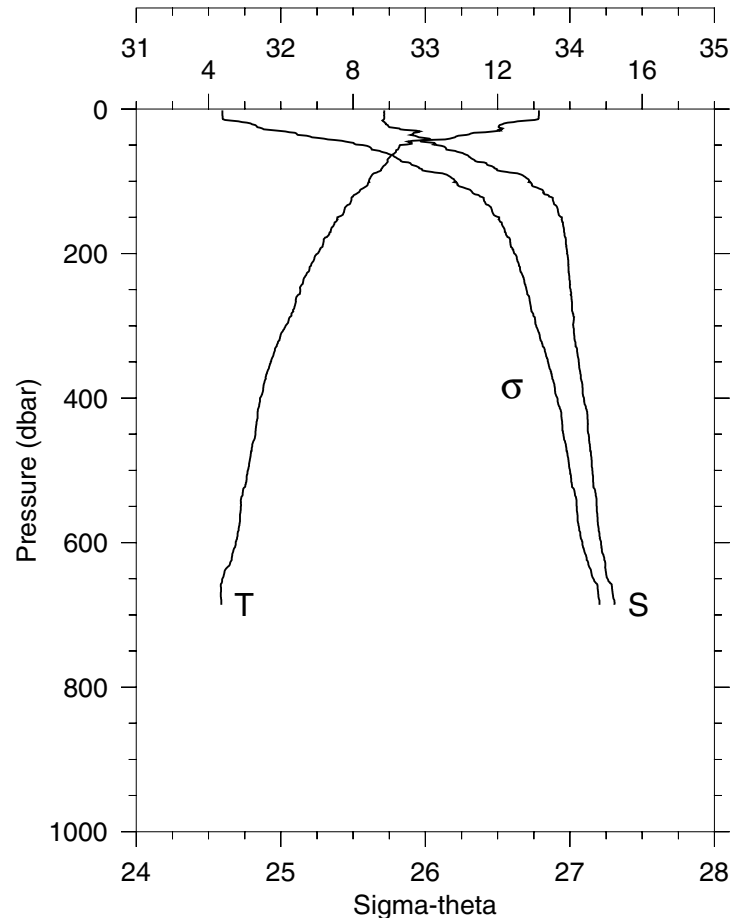


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	13.37	32.665	13.37	24.512	0.034	1.01	4.21
10	12.89	32.705	12.89	24.637	0.339	1.23	4.23
20	11.98	32.759	11.98	24.853	0.657	1.16	4.36
30	10.54	32.909	10.53	25.230	0.945	1.08	4.43
40	9.90	32.914	9.89	25.341	1.212	0.65	4.51
50	9.25	32.988	9.25	25.504	1.467	0.25	4.57
60	8.92	33.118	8.91	25.659	1.706	0.24	4.56
70	8.81	33.263	8.80	25.790	1.935	0.23	4.56
80	8.74	33.450	8.73	25.948	2.150	0.17	4.57
90	8.69	33.556	8.68	26.038	2.353	0.18	4.57
100	8.55	33.643	8.54	26.127	2.545	0.19	4.56
110	8.34	33.751	8.33	26.244	2.728	0.17	4.56
120	8.15	33.803	8.14	26.314	2.904	0.16	4.56
130	7.99	33.845	7.98	26.371	3.073	0.16	4.56
140	7.84	33.880	7.82	26.420	3.236	0.16	4.55
150	7.68	33.917	7.67	26.472	3.396	0.16	4.56
175	7.41	33.960	7.39	26.545	3.782	0.16	4.57
200	7.20	33.977	7.18	26.588	4.154	0.16	4.57
225	6.77	33.992	6.75	26.659	4.513	0.15	4.57
250	6.56	34.010	6.54	26.701	4.860	0.15	4.57
275	6.37	34.018	6.35	26.732	5.200	0.15	4.57
300	6.14	34.012	6.11	26.758	5.533	0.15	4.58
350	5.90	34.050	5.87	26.818	6.178	0.15	4.59
400	5.57	34.077	5.54	26.880	6.798	0.16	4.59
450	5.25	34.111	5.22	26.945	7.388	0.15	4.59
500	5.16	34.163	5.12	26.998	7.953	0.15	4.58
600	4.68	34.233	4.63	27.109	9.015	0.15	4.58
641	4.62	34.248	4.57	27.127	9.423	0.15	4.51

STA: 26 CR-6 LAT: 41 54.0 N LONG: 124 48.0 W  
06 JUL 1999 0405 GMT DEPTH 696

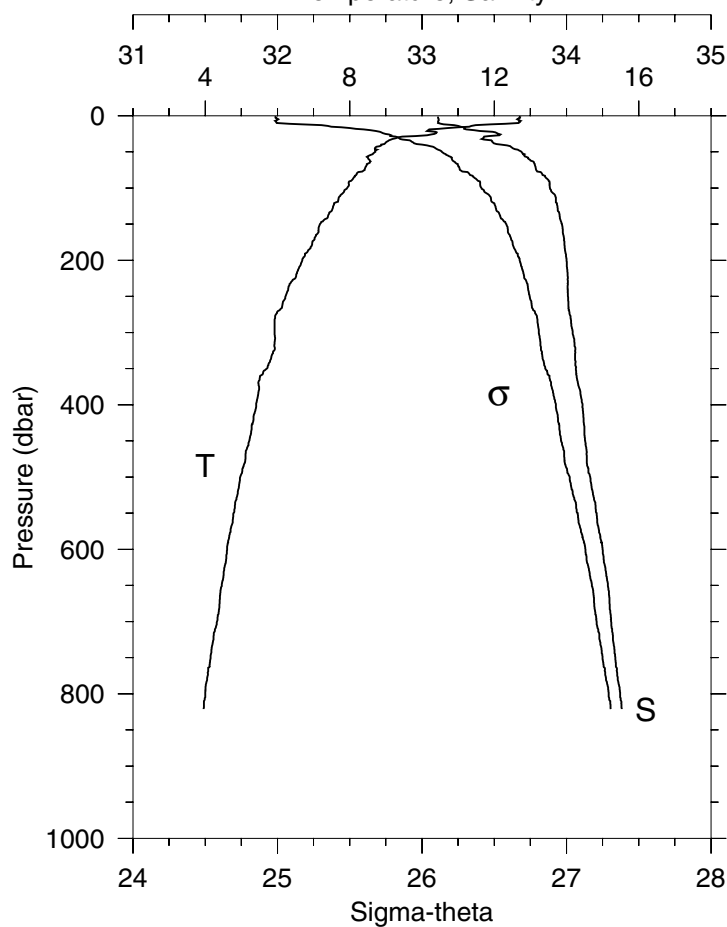
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	13.14	32.715	13.14	24.596	0.067	1.16	4.23
10	13.14	32.715	13.13	24.597	0.333	1.17	4.24
20	12.18	32.727	12.18	24.792	0.661	1.29	4.28
30	12.07	32.937	12.07	24.975	0.971	1.28	4.34
40	10.76	32.986	10.75	25.252	1.255	1.11	4.44
50	9.30	33.077	9.29	25.567	1.509	0.49	4.53
60	9.18	33.234	9.17	25.709	1.745	0.23	4.58
70	8.95	33.335	8.95	25.823	1.967	0.19	4.58
80	8.83	33.469	8.82	25.949	2.179	0.15	4.58
90	8.55	33.653	8.54	26.135	2.379	0.15	4.58
100	8.43	33.722	8.42	26.208	2.564	0.15	4.57
110	8.26	33.785	8.25	26.283	2.744	0.15	4.57
120	8.01	33.854	8.00	26.374	2.914	0.16	4.57
130	7.92	33.890	7.91	26.415	3.078	0.15	4.57
140	7.76	33.917	7.74	26.461	3.238	0.15	4.57
150	7.56	33.944	7.55	26.511	3.395	0.15	4.57
175	7.32	33.963	7.30	26.561	3.774	0.15	4.57
200	7.02	33.980	7.00	26.616	4.140	0.15	4.57
225	6.77	33.993	6.75	26.660	4.496	0.15	4.57
250	6.54	34.005	6.51	26.700	4.842	0.15	4.58
275	6.37	34.015	6.35	26.730	5.180	0.15	4.58
300	6.13	34.023	6.11	26.768	5.512	0.15	4.58
350	5.72	34.061	5.69	26.849	6.148	0.15	4.59
400	5.43	34.098	5.39	26.914	6.752	0.15	4.59
450	5.30	34.129	5.26	26.955	7.332	0.15	4.58
500	5.09	34.155	5.05	27.000	7.894	0.15	4.58
600	4.75	34.215	4.70	27.087	8.964	0.15	4.59
686	4.35	34.308	4.30	27.204	9.800	0.15	4.55

### Station 26 CR-6 Temperature, Salinity



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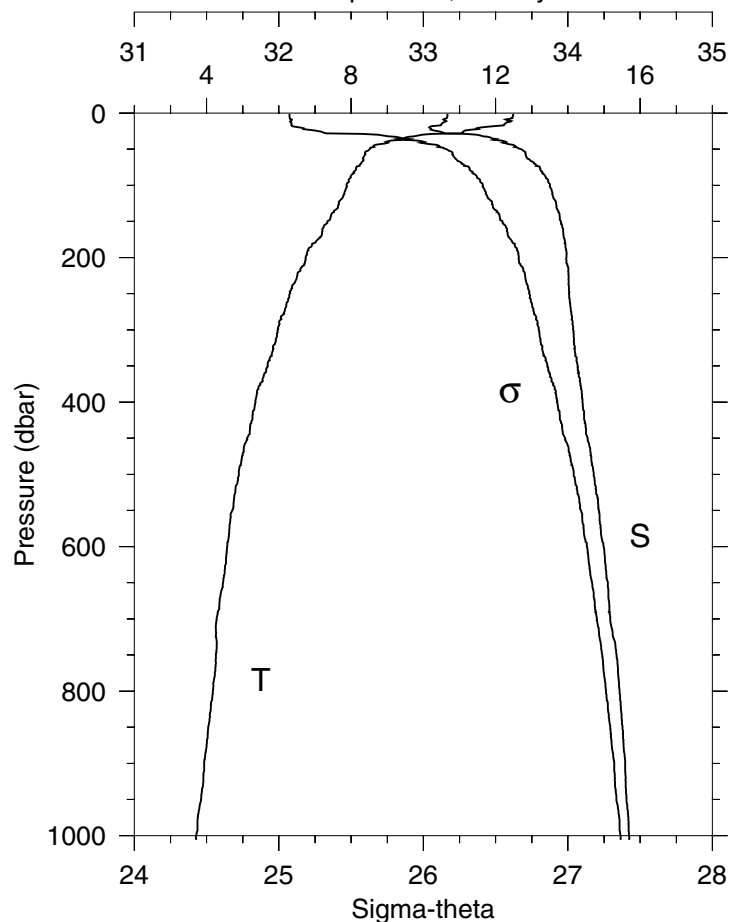
### Station 27 CR-7 Temperature, Salinity



STA: 27 CR-7 LAT: 41 54.1 N LONG: 125 0.1 W  
06 JUL 1999 0547 GMT DEPTH 831

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	12.68	33.111	12.68	24.992	0.030	3.56	4.09
10	12.67	33.111	12.67	24.994	0.296	3.36	4.10
20	10.17	33.361	10.16	25.645	0.556	5.00	4.00
30	9.33	33.427	9.32	25.835	0.780	3.03	4.25
40	8.87	33.546	8.87	26.001	0.989	1.05	4.44
50	8.71	33.688	8.70	26.137	1.181	1.05	4.43
60	8.52	33.739	8.51	26.206	1.365	0.98	4.45
70	8.45	33.784	8.45	26.252	1.544	0.72	4.48
80	8.19	33.830	8.19	26.327	1.719	0.43	4.51
90	8.04	33.876	8.03	26.387	1.886	0.32	4.52
100	7.93	33.886	7.92	26.411	2.049	0.26	4.52
110	7.74	33.920	7.73	26.465	2.209	0.21	4.53
120	7.61	33.927	7.60	26.489	2.366	0.18	4.54
130	7.51	33.940	7.50	26.514	2.519	0.17	4.55
140	7.39	33.954	7.38	26.542	2.671	0.16	4.55
150	7.17	33.968	7.16	26.584	2.819	0.16	4.55
175	6.97	33.985	6.95	26.626	3.182	0.20	4.56
200	6.69	34.001	6.67	26.676	3.534	0.16	4.56
225	6.49	34.009	6.47	26.709	3.877	0.16	4.56
250	6.22	34.010	6.20	26.745	4.211	0.16	4.57
275	5.95	34.023	5.93	26.789	4.539	0.15	4.58
300	5.92	34.042	5.89	26.809	4.857	0.15	4.58
350	5.70	34.064	5.68	26.853	5.485	0.15	4.59
400	5.41	34.111	5.38	26.926	6.081	0.15	4.59
450	5.22	34.129	5.18	26.964	6.658	0.15	4.59
500	4.96	34.165	4.92	27.022	7.215	0.15	4.59
600	4.60	34.250	4.56	27.131	8.253	0.15	4.58
800	4.00	34.371	3.94	27.292	10.090	0.15	4.58
821	3.96	34.382	3.90	27.306	10.266	0.15	4.57

### Station 28 CR-8 Temperature, Salinity

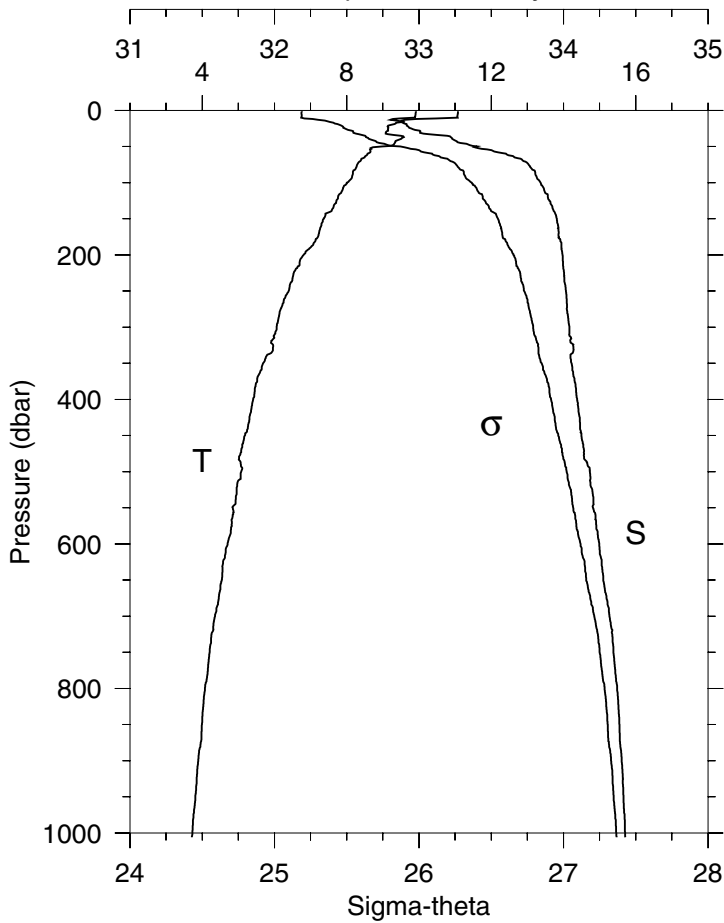


STA: 28 CR-8 LAT: 41 54.0 N LONG: 125 12.1 W  
06 JUL 1999 0803 GMT DEPTH 2726

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	12.49	33.167	12.49	25.073	0.029	3.48	4.16
10	12.33	33.147	12.33	25.088	0.288	2.79	4.19
20	11.58	33.041	11.58	25.147	0.574	1.58	4.31
30	9.97	33.369	9.97	25.685	0.841	0.83	4.43
40	8.97	33.572	8.96	26.006	1.055	0.61	4.53
50	8.52	33.676	8.51	26.158	1.248	0.25	4.56
60	8.36	33.711	8.36	26.209	1.430	0.19	4.56
70	8.27	33.768	8.27	26.266	1.609	0.20	4.56
80	8.10	33.814	8.09	26.329	1.781	0.18	4.56
90	7.98	33.849	7.97	26.375	1.948	0.18	4.56
100	7.88	33.877	7.87	26.412	2.112	0.16	4.56
110	7.81	33.892	7.80	26.433	2.274	0.18	4.55
120	7.71	33.909	7.70	26.461	2.433	0.16	4.55
130	7.64	33.921	7.62	26.481	2.590	0.15	4.55
140	7.45	33.942	7.44	26.525	2.744	0.16	4.55
150	7.34	33.952	7.33	26.548	2.896	0.16	4.55
175	7.07	33.977	7.06	26.605	3.265	0.16	4.55
200	6.74	33.989	6.72	26.660	3.620	0.16	4.57
225	6.51	34.005	6.49	26.704	3.965	0.15	4.56
250	6.30	34.008	6.28	26.733	4.303	0.15	4.58
275	6.15	34.023	6.13	26.765	4.634	0.15	4.58
300	5.97	34.037	5.94	26.799	4.957	0.16	4.58
350	5.69	34.068	5.66	26.858	5.586	0.15	4.58
400	5.36	34.101	5.32	26.925	6.182	0.15	4.59
450	5.12	34.137	5.08	26.982	6.756	0.16	4.59
500	4.89	34.178	4.85	27.041	7.300	0.15	4.59
600	4.57	34.248	4.52	27.132	8.325	0.15	4.59
800	4.17	34.358	4.11	27.263	10.184	0.15	4.57
1000	3.71	34.425	3.63	27.365	11.849	0.15	4.57
1006	3.71	34.425	3.64	27.366	11.896	0.15	4.57

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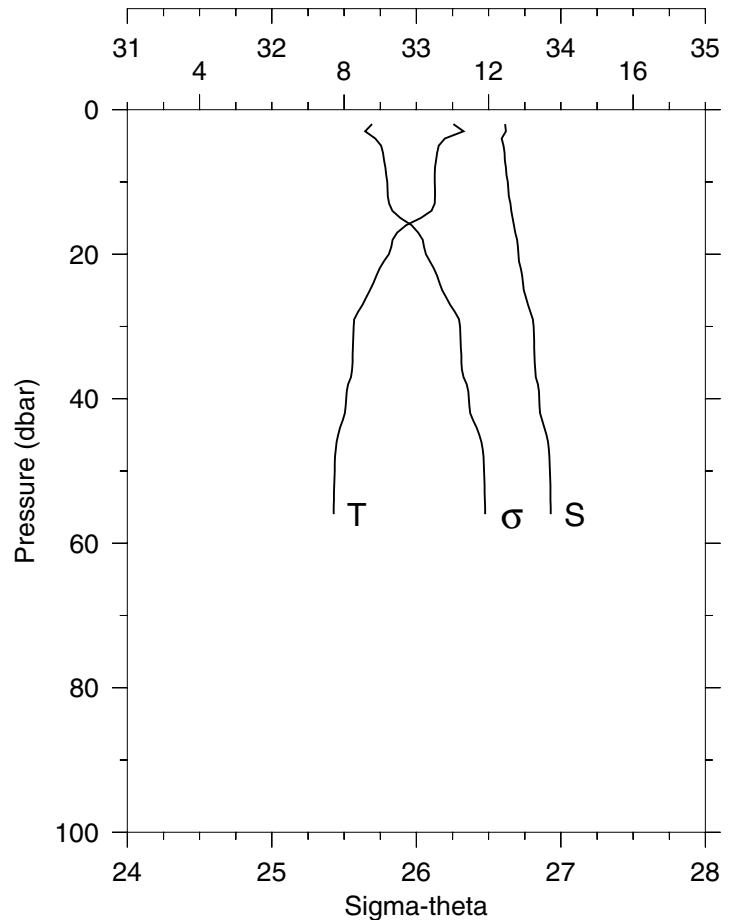
### Station 29 CR-9 Temperature, Salinity



STA: 29 CR-9 LAT: 41 54.0 N LONG: 125 20.1 W  
06 JUL 1999 0943 GMT DEPTH 3097

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.08	32.977	11.08	25.187	0.028	3.74	3.89
10	11.07	32.973	11.07	25.185	0.277	3.83	3.92
20	9.23	32.915	9.23	25.451	0.539	1.95	4.23
30	9.09	33.007	9.09	25.545	0.787	1.69	4.28
40	9.47	33.234	9.47	25.661	1.025	0.74	4.45
50	8.98	33.403	8.98	25.871	1.250	0.45	4.50
60	8.58	33.602	8.57	26.090	1.452	0.15	4.58
70	8.37	33.724	8.37	26.218	1.638	0.15	4.58
80	8.25	33.777	8.24	26.278	1.815	0.15	4.58
90	8.16	33.808	8.15	26.316	1.988	0.14	4.58
100	8.00	33.842	7.99	26.365	2.157	0.15	4.57
110	7.88	33.866	7.87	26.403	2.322	0.18	4.55
120	7.76	33.892	7.75	26.441	2.484	0.16	4.55
130	7.66	33.914	7.64	26.473	2.642	0.16	4.55
140	7.56	33.935	7.55	26.504	2.798	0.15	4.56
150	7.37	33.955	7.35	26.547	2.949	0.15	4.54
175	7.20	33.968	7.18	26.580	3.321	0.15	4.52
200	6.80	33.993	6.79	26.654	3.681	0.15	4.57
225	6.53	34.004	6.51	26.700	4.028	0.14	4.58
250	6.39	34.016	6.37	26.728	4.366	0.14	4.56
275	6.17	34.023	6.15	26.762	4.697	0.15	4.56
300	6.06	34.040	6.04	26.790	5.022	0.15	4.57
350	5.68	34.055	5.66	26.849	5.655	0.15	4.59
400	5.41	34.095	5.37	26.914	6.257	0.15	4.59
450	5.18	34.123	5.14	26.964	6.836	0.15	4.59
500	5.07	34.182	5.03	27.023	7.391	0.15	4.57
600	4.70	34.247	4.65	27.118	8.437	0.15	4.57
800	4.08	34.371	4.02	27.284	10.284	0.15	4.56
1000	3.73	34.426	3.65	27.365	11.926	0.14	4.57
1006	3.71	34.428	3.64	27.368	11.974	0.15	4.57

### Station 30 EUR-1 Temperature, Salinity

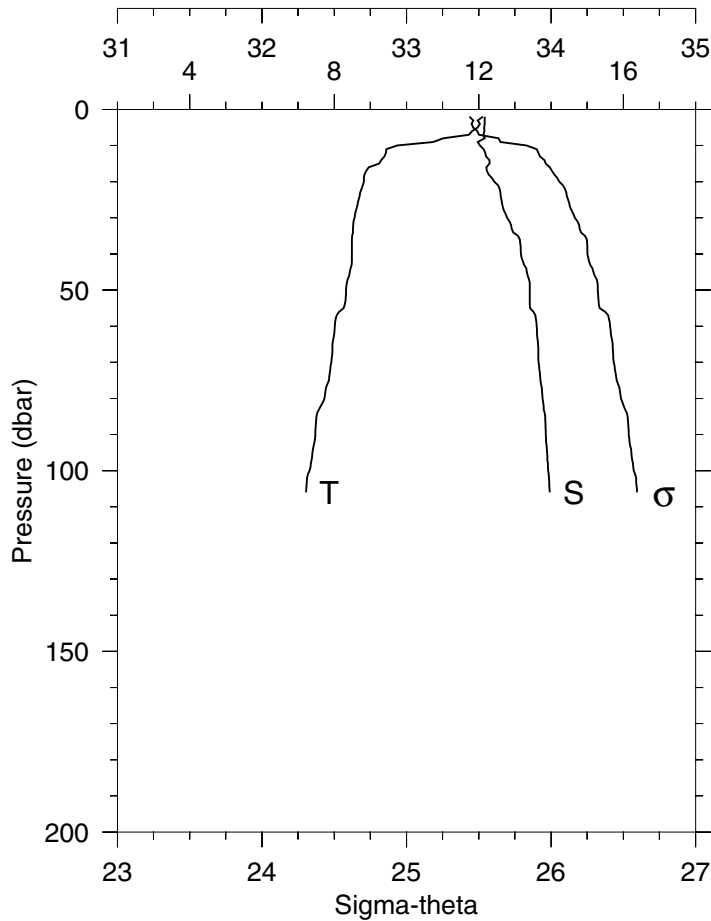


STA: 30 EUR-1 LAT: 40 52.2 N LONG: 124 16.0 W  
06 JUL 1999 2029 GMT DEPTH 60

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.02	33.615	11.02	25.693	0.046	5.00	3.60
10	10.51	33.633	10.51	25.798	0.225	5.00	3.87
20	9.24	33.706	9.24	26.067	0.433	1.81	4.34
30	8.26	33.811	8.26	26.302	0.615	0.58	4.48
40	8.06	33.851	8.05	26.364	0.785	0.46	4.49
50	7.74	33.924	7.73	26.468	0.945	0.26	4.32
56	7.71	33.929	7.71	26.476	1.038	0.35	4.31

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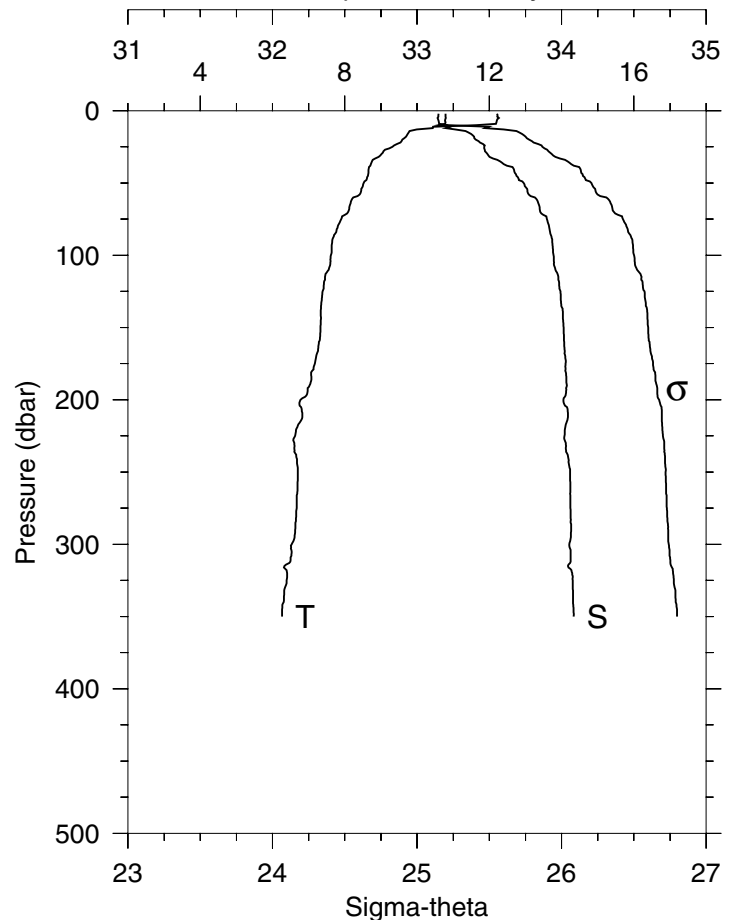
### Station 31 EUR-2 Temperature, Salinity



STA: 31 EUR-2 LAT: 40 52.1 N LONG: 124 21.9 W  
06 JUL 1999 2131 GMT DEPTH 112

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	12.11	33.540	12.11	25.435	0.051	1.76	4.18
10	9.74	33.507	9.74	25.830	0.246	2.69	4.18
20	8.82	33.607	8.82	26.057	0.449	0.78	4.47
30	8.56	33.695	8.56	26.165	0.638	0.40	4.53
40	8.49	33.791	8.48	26.252	0.817	0.23	4.56
50	8.33	33.852	8.32	26.324	0.990	0.20	4.57
60	8.02	33.900	8.01	26.408	1.157	0.22	4.55
70	7.92	33.914	7.91	26.434	1.317	0.18	4.55
80	7.73	33.941	7.72	26.484	1.475	0.16	4.55
90	7.47	33.964	7.46	26.538	1.627	0.17	4.38
100	7.31	33.980	7.30	26.573	1.775	0.17	4.39
106	7.22	33.991	7.21	26.595	1.863	0.16	4.43

### Station 32 EUR-3 Temperature, Salinity



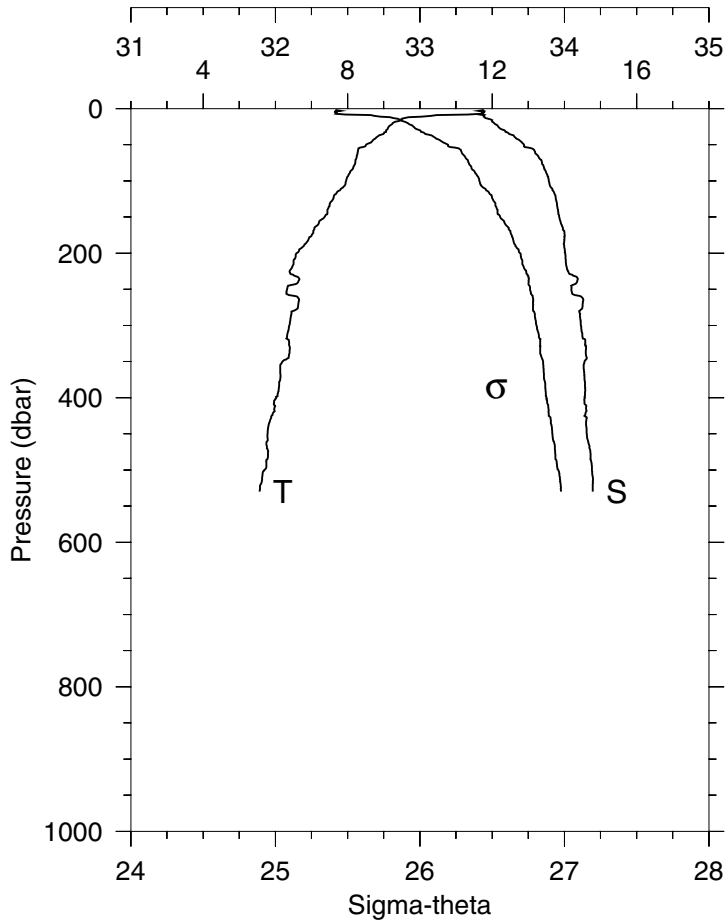
STA: 32 EUR-3 LAT: 40 52.0 N LONG: 124 28.0 W  
06 JUL 1999 2258 GMT DEPTH 378

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	12.22	33.197	12.22	25.149	0.056	4.92	3.78
10	11.64	33.149	11.64	25.220	0.280	5.00	3.68
20	9.59	33.406	9.59	25.775	0.514	4.02	4.16
30	9.02	33.487	9.02	25.932	0.728	0.92	4.48
40	8.66	33.668	8.66	26.129	0.925	0.16	4.58
50	8.52	33.738	8.52	26.206	1.111	0.20	4.58
60	8.24	33.816	8.23	26.310	1.289	0.14	4.58
70	8.09	33.853	8.09	26.361	1.457	0.14	4.58
80	7.81	33.913	7.80	26.449	1.619	0.14	4.58
90	7.65	33.936	7.64	26.490	1.775	0.15	4.58
100	7.62	33.944	7.61	26.502	1.930	0.14	4.58
110	7.55	33.958	7.54	26.522	2.083	0.14	4.57
120	7.42	33.984	7.41	26.561	2.232	0.15	4.56
130	7.37	33.995	7.35	26.578	2.380	0.16	4.55
140	7.34	34.009	7.32	26.594	2.526	0.16	4.53
150	7.33	34.014	7.31	26.599	2.672	0.16	4.53
175	7.17	34.028	7.15	26.632	3.033	0.16	4.53
200	6.77	34.013	6.76	26.675	3.384	0.16	4.56
225	6.63	34.021	6.61	26.701	3.727	0.15	4.57
250	6.70	34.058	6.68	26.720	4.066	0.15	4.54
275	6.67	34.061	6.64	26.728	4.404	0.15	4.54
300	6.53	34.054	6.50	26.741	4.740	0.15	4.56
350	6.26	34.083	6.23	26.799	5.395	0.15	4.49



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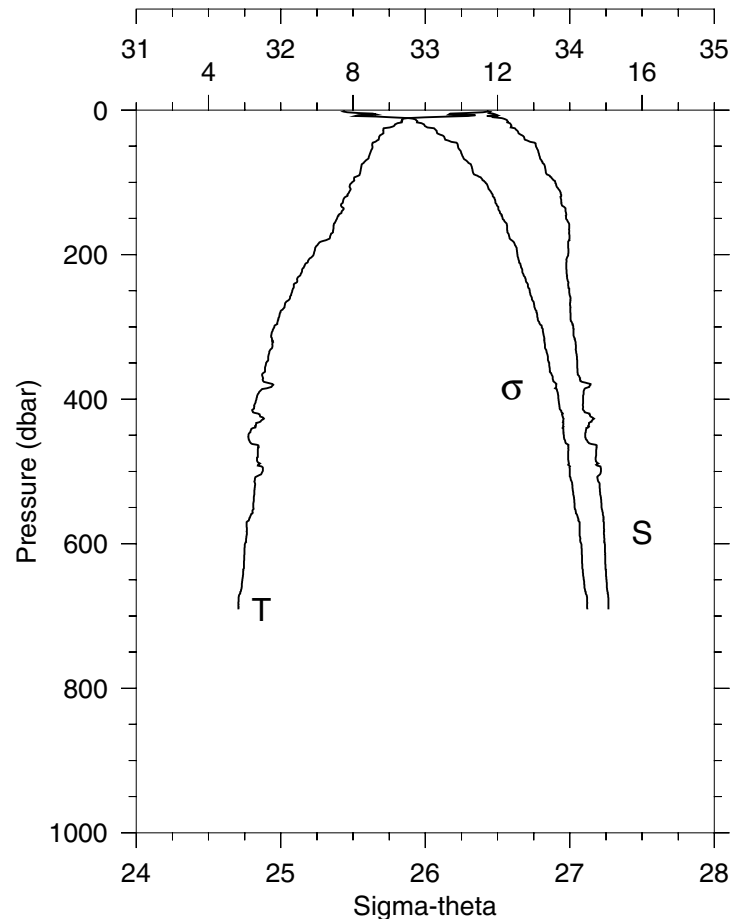
### Station 33 EUR-4 Temperature, Salinity



STA: 33 EUR-4 LAT: 40 52.0 N LONG: 124 34.0 W  
07 JUL 1999 0037 GMT DEPTH 556

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.77	33.433	11.77	25.416	0.051	5.00	3.70
10	10.31	33.442	10.30	25.684	0.251	5.00	3.73
20	9.25	33.513	9.25	25.915	0.466	2.33	4.27
30	9.06	33.585	9.06	26.001	0.671	2.21	4.26
40	8.79	33.661	8.78	26.103	0.866	0.99	4.46
50	8.51	33.720	8.50	26.194	1.053	0.41	4.53
60	8.28	33.797	8.27	26.288	1.230	0.16	4.57
70	8.23	33.833	8.22	26.325	1.402	0.16	4.57
80	8.16	33.857	8.15	26.354	1.571	0.16	4.57
90	8.04	33.877	8.03	26.387	1.737	0.14	4.58
100	7.95	33.892	7.94	26.412	1.900	0.14	4.58
110	7.84	33.912	7.82	26.445	2.062	0.14	4.58
120	7.62	33.938	7.61	26.496	2.218	0.14	4.57
130	7.52	33.947	7.51	26.519	2.372	0.15	4.58
140	7.44	33.956	7.43	26.537	2.524	0.14	4.58
150	7.36	33.963	7.34	26.555	2.675	0.14	4.58
175	7.00	34.002	6.99	26.634	3.038	0.15	4.57
200	6.58	34.005	6.56	26.694	3.388	0.15	4.58
225	6.39	34.025	6.38	26.734	3.727	0.15	4.58
250	6.33	34.049	6.31	26.763	4.057	0.15	4.58
275	6.62	34.124	6.60	26.783	4.381	0.16	4.56
300	6.38	34.114	6.36	26.807	4.703	0.16	4.56
350	6.19	34.138	6.16	26.852	5.331	0.15	4.56
400	6.02	34.142	5.99	26.876	5.947	0.15	4.56
450	5.78	34.155	5.74	26.917	6.548	0.15	4.53
500	5.69	34.191	5.65	26.957	7.135	0.15	4.56
530	5.56	34.195	5.52	26.976	7.478	0.15	4.56

### Station 34 EUR-5 Temperature, Salinity

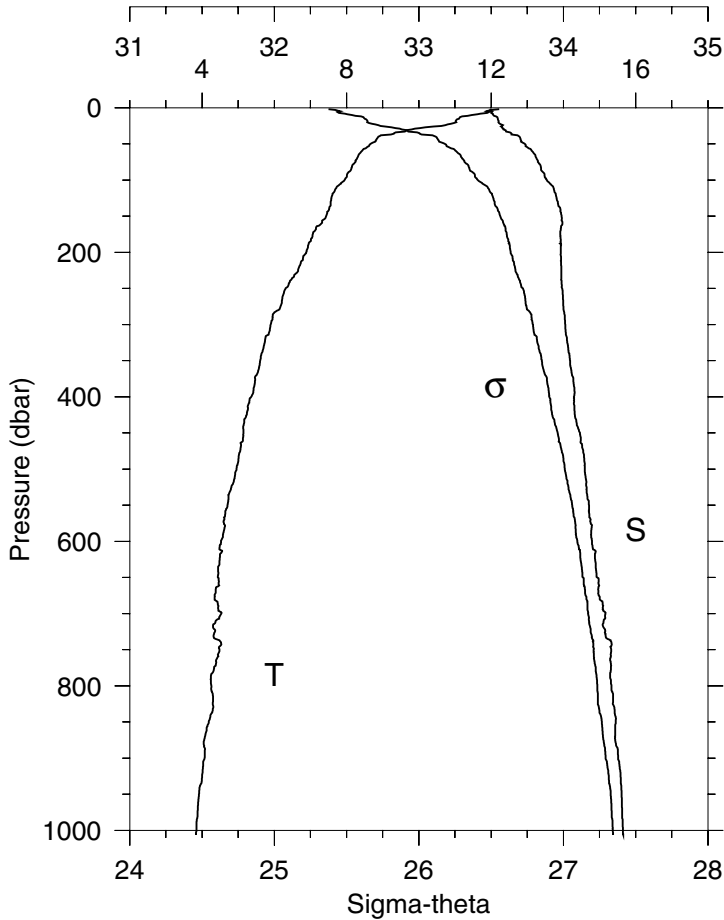


STA: 34 EUR-5 LAT: 40 52.0 N LONG: 124 40.0 W  
07 JUL 1999 0138 GMT DEPTH 721

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.70	33.452	11.70	25.443	0.025	5.00	3.46
10	9.98	33.478	9.98	25.767	0.243	5.00	3.96
20	9.16	33.592	9.15	25.992	0.449	1.92	4.26
30	8.84	33.642	8.84	26.080	0.645	0.71	4.42
40	8.72	33.687	8.71	26.136	0.835	0.63	4.46
50	8.53	33.766	8.53	26.226	1.017	0.45	4.50
60	8.47	33.785	8.47	26.249	1.195	0.58	4.49
70	8.35	33.806	8.34	26.286	1.371	0.49	4.50
80	8.22	33.830	8.21	26.323	1.543	0.36	4.53
90	8.17	33.854	8.16	26.350	1.713	0.24	4.53
100	7.97	33.900	7.96	26.416	1.878	0.15	4.58
110	7.93	33.925	7.92	26.442	2.038	0.16	4.58
120	7.80	33.935	7.78	26.470	2.196	0.14	4.58
130	7.68	33.942	7.66	26.492	2.352	0.15	4.58
140	7.69	33.971	7.67	26.514	2.507	0.15	4.58
150	7.56	33.974	7.54	26.535	2.659	0.14	4.58
175	7.37	33.998	7.35	26.581	3.031	0.14	4.58
200	6.91	33.989	6.89	26.638	3.391	0.14	4.59
225	6.57	33.977	6.55	26.673	3.743	0.14	4.58
250	6.32	33.997	6.29	26.723	4.085	0.14	4.59
275	6.07	34.004	6.05	26.760	4.418	0.15	4.59
300	5.82	34.023	5.80	26.806	4.741	0.14	4.59
350	5.59	34.051	5.57	26.857	5.367	0.15	4.59
400	5.33	34.093	5.30	26.922	5.967	0.15	4.59
450	5.10	34.106	5.07	26.959	6.543	0.15	4.59
500	5.50	34.215	5.46	26.999	7.103	0.15	4.56
600	5.01	34.241	4.96	27.079	8.179	0.16	4.50
691	4.83	34.268	4.77	27.121	9.116	0.16	4.53

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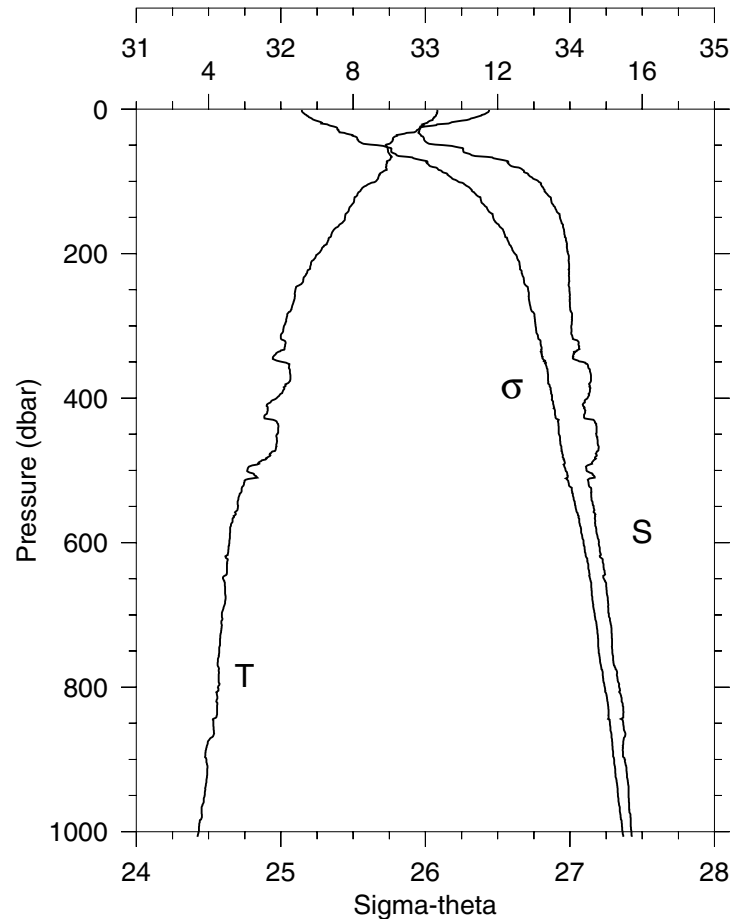
### Station 35 EUR-6 Temperature, Salinity



STA: 35 EUR-6 LAT: 40 52.0 N LONG: 124 48.0 W  
07 JUL 1999 0338 GMT DEPTH 1507

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	12.22	33.490	12.22	25.375	0.052	3.78	3.97
10	11.46	33.515	11.46	25.537	0.253	5.00	3.85
20	11.03	33.550	11.03	25.642	0.489	4.27	3.97
30	9.80	33.586	9.80	25.882	0.713	4.12	4.07
40	8.88	33.696	8.88	26.117	0.914	1.51	4.36
50	8.66	33.732	8.66	26.179	1.101	0.88	4.43
60	8.42	33.783	8.41	26.257	1.281	0.40	4.47
70	8.29	33.814	8.28	26.300	1.455	0.47	4.48
80	8.15	33.842	8.15	26.343	1.626	0.36	4.49
90	8.04	33.863	8.03	26.377	1.793	0.47	4.49
100	7.94	33.885	7.93	26.408	1.958	0.29	4.48
110	7.72	33.931	7.71	26.477	2.117	0.20	4.50
120	7.61	33.947	7.59	26.506	2.272	0.18	4.52
130	7.56	33.961	7.55	26.524	2.425	0.16	4.55
140	7.52	33.979	7.50	26.545	2.577	0.15	4.57
150	7.43	33.987	7.42	26.563	2.726	0.15	4.58
175	7.07	33.979	7.05	26.608	3.092	0.15	4.58
200	6.88	33.981	6.86	26.635	3.451	0.15	4.57
225	6.66	33.986	6.64	26.669	3.804	0.14	4.58
250	6.31	33.991	6.29	26.719	4.147	0.14	4.58
275	6.17	34.000	6.15	26.744	4.482	0.15	4.59
300	5.90	34.013	5.87	26.789	4.808	0.14	4.59
350	5.61	34.046	5.58	26.851	5.438	0.14	4.59
400	5.36	34.072	5.32	26.903	6.043	0.15	4.59
450	5.14	34.114	5.11	26.960	6.627	0.14	4.59
500	4.95	34.147	4.91	27.009	7.184	0.15	4.59
600	4.53	34.197	4.48	27.097	8.238	0.15	4.59
800	4.26	34.333	4.20	27.235	10.154	0.15	4.57
1000	3.84	34.411	3.77	27.341	11.867	0.15	4.55
1005	3.83	34.412	3.76	27.343	11.908	0.15	4.55

### Station 36 EUR-7 Temperature, Salinity

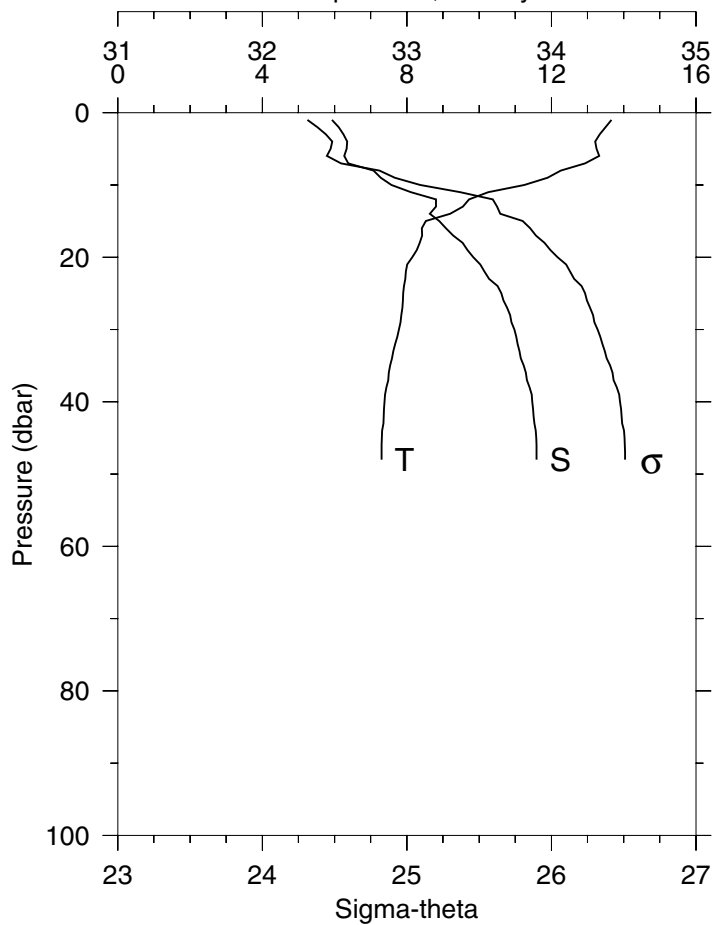


STA: 36 EUR-7 LAT: 40 52.0 N LONG: 124 56.0 W  
07 JUL 1999 0511 GMT DEPTH 2930

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.76	33.085	11.76	25.146	0.028	4.98	3.85
10	11.47	33.070	11.47	25.189	0.280	4.95	3.97
20	10.64	32.997	10.64	25.280	0.552	3.40	4.15
30	9.76	32.957	9.75	25.399	0.813	2.41	4.30
40	9.11	32.988	9.10	25.527	1.064	1.01	4.45
50	8.90	33.123	8.90	25.665	1.307	0.69	4.50
60	8.97	33.268	8.97	25.768	1.531	0.55	4.52
70	9.02	33.527	9.01	25.963	1.747	1.32	4.36
80	8.90	33.616	8.90	26.051	1.946	1.77	4.35
90	8.73	33.712	8.72	26.153	2.138	1.45	4.36
100	8.62	33.782	8.61	26.225	2.322	2.26	4.29
110	8.24	33.818	8.23	26.311	2.497	0.91	4.45
120	8.10	33.852	8.09	26.359	2.667	0.50	4.51
130	8.00	33.874	7.99	26.391	2.833	0.24	4.54
140	7.88	33.905	7.86	26.434	2.996	0.19	4.56
150	7.78	33.931	7.76	26.469	3.155	0.17	4.57
175	7.39	33.964	7.38	26.551	3.539	0.16	4.57
200	7.04	33.987	7.02	26.619	3.907	0.15	4.57
225	6.73	33.994	6.71	26.666	4.261	0.14	4.58
250	6.40	33.997	6.38	26.711	4.607	0.14	4.58
275	6.30	34.001	6.28	26.728	4.945	0.14	4.58
300	6.09	34.010	6.06	26.762	5.276	0.15	4.58
350	6.04	34.088	6.01	26.831	5.921	0.15	4.58
400	5.88	34.121	5.85	26.877	6.541	0.15	4.58
450	5.90	34.182	5.86	26.924	7.139	0.15	4.58
500	5.07	34.115	5.03	26.970	7.719	0.15	4.59
600	4.57	34.201	4.53	27.094	8.793	0.15	4.59
800	4.26	34.341	4.20	27.241	10.710	0.15	4.59
1000	3.73	34.425	3.65	27.364	12.398	0.14	4.58
1007	3.69	34.428	3.62	27.369	12.453	0.14	4.58

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### Station 37 HH-1 Temperature, Salinity



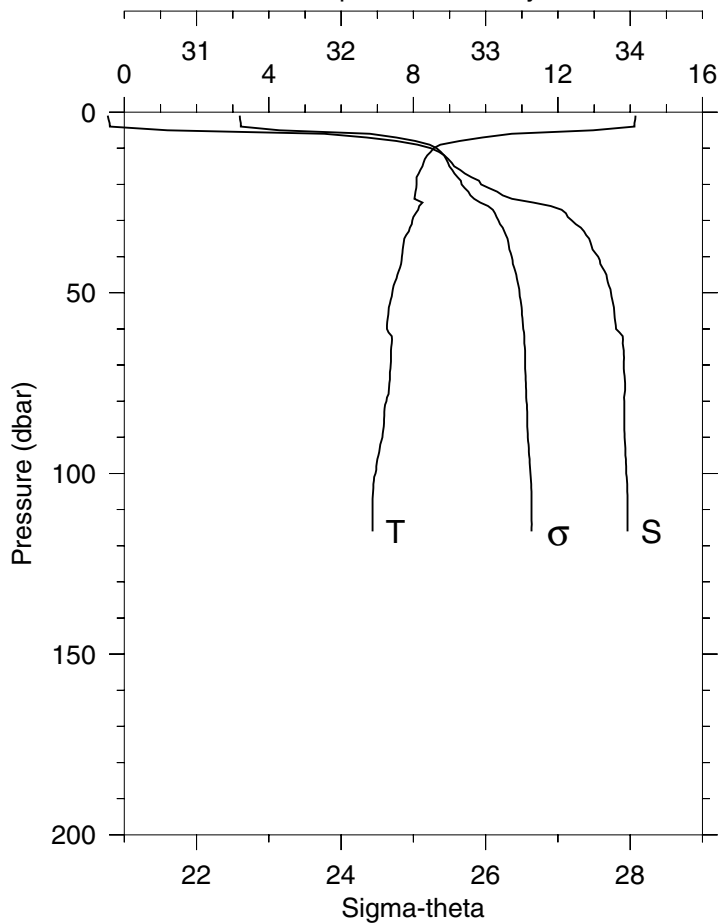
STA: 37 HH-1 LAT: 44 0.1 N LONG: 124 12.1 W  
08 JUL 1999 0144 GMT DEPTH 54

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	13.66	32.482	13.66	24.312	0.036	3.91	3.42
10	11.25	32.893	11.25	25.092	0.338	5.00	3.02
20	8.15	33.460	8.15	26.043	0.563	0.71	4.41
30	7.78	33.744	7.78	26.320	0.743	0.25	4.51
40	7.38	33.868	7.38	26.475	0.906	0.25	4.43
48	7.30	33.897	7.30	26.509	1.028	0.28	4.34

STA: 38 HH-2 LAT: 44 0.1 N LONG: 124 24.0 W  
08 JUL 1999 0303 GMT DEPTH 121

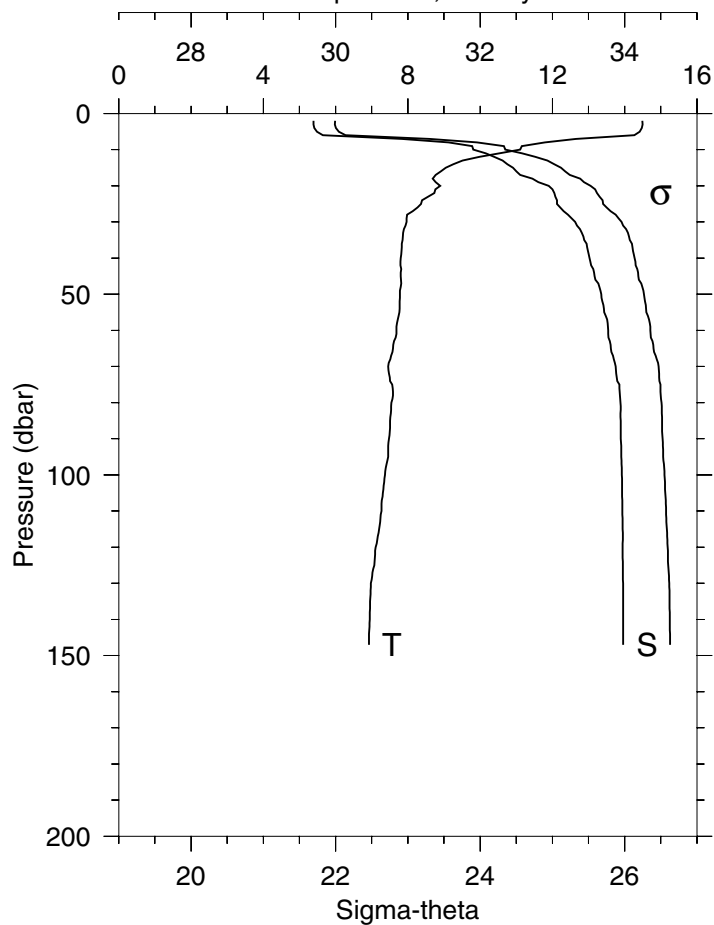
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	14.14	30.386	14.14	22.596	0.052	2.09	3.75
10	8.56	32.619	8.56	25.322	0.419	2.12	4.00
20	8.09	32.968	8.09	25.666	0.666	0.77	4.41
30	7.97	33.595	7.97	26.176	0.872	0.48	4.45
40	7.68	33.779	7.68	26.362	1.045	0.27	4.49
50	7.42	33.867	7.41	26.469	1.206	0.23	4.48
60	7.27	33.903	7.26	26.519	1.359	0.20	4.48
70	7.37	33.956	7.37	26.546	1.509	0.17	4.54
80	7.25	33.960	7.24	26.566	1.657	0.17	4.54
90	7.14	33.961	7.13	26.583	1.804	0.17	4.56
100	6.95	33.973	6.95	26.618	1.948	0.16	4.53
110	6.87	33.982	6.86	26.636	2.089	0.18	4.09
116	6.87	33.982	6.86	26.636	2.174	0.19	4.04

### Station 38 HH-2 Temperature, Salinity



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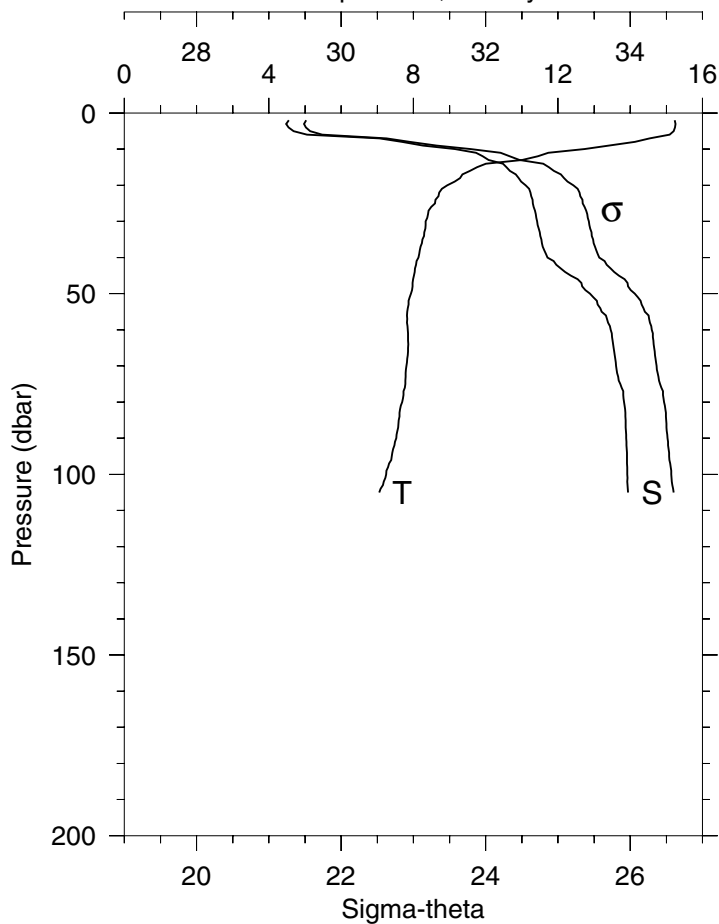
### Station 39 HH-3 Temperature, Salinity



STA: 39 HH-3 LAT: 44 0.1 N LONG: 124 36.0 W  
08 JUL 1999 0439 GMT DEPTH 154

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	14.49	29.694	14.48	21.993	0.116	1.34	3.91
10	11.11	31.906	11.11	24.349	0.515	2.66	3.76
20	8.90	32.948	8.89	25.528	0.805	1.17	4.33
30	7.96	33.314	7.96	25.957	1.030	0.44	4.47
40	7.80	33.513	7.80	26.136	1.224	0.22	4.52
50	7.78	33.674	7.77	26.266	1.405	0.23	4.51
60	7.68	33.770	7.68	26.355	1.576	0.18	4.52
70	7.45	33.874	7.45	26.469	1.739	0.16	4.53
80	7.55	33.943	7.54	26.511	1.893	0.16	4.56
90	7.48	33.947	7.47	26.524	2.045	0.16	4.56
100	7.36	33.961	7.36	26.551	2.196	0.16	4.57
110	7.27	33.969	7.26	26.571	2.344	0.16	4.57
120	7.11	33.972	7.10	26.596	2.490	0.16	4.57
130	6.98	33.977	6.96	26.618	2.634	0.17	4.44
140	6.94	33.978	6.93	26.624	2.777	0.17	4.26
147	6.92	33.979	6.91	26.627	2.877	0.18	4.11

### Station 40 HH-4 Temperature, Salinity

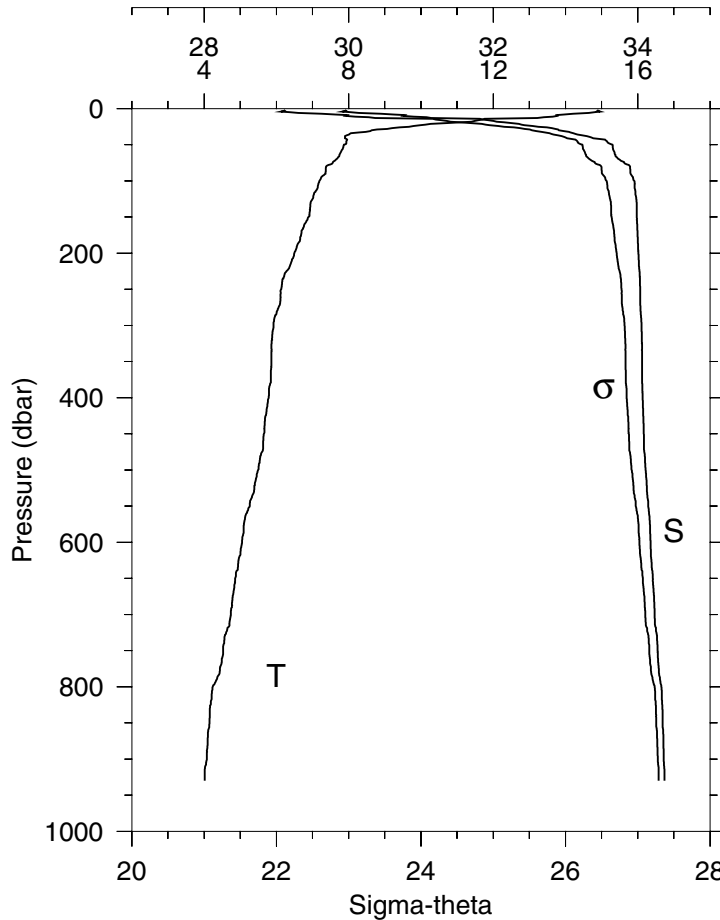


STA: 40 HH-4 LAT: 44 0.1 N LONG: 124 48.0 W  
08 JUL 1999 0623 GMT DEPTH 110

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	15.23	29.275	15.23	21.515	0.126	0.64	4.20
10	12.74	31.574	12.74	23.791	0.573	1.13	4.16
20	8.94	32.553	8.94	25.213	0.893	1.69	4.30
30	8.34	32.713	8.33	25.429	1.155	0.94	4.44
40	8.14	32.855	8.14	25.570	1.404	0.57	4.48
50	7.93	33.442	7.93	26.062	1.620	0.21	4.53
60	7.85	33.730	7.84	26.300	1.801	0.15	4.54
70	7.81	33.805	7.80	26.365	1.970	0.15	4.55
80	7.69	33.915	7.68	26.469	2.132	0.15	4.57
90	7.53	33.945	7.52	26.515	2.286	0.15	4.57
100	7.25	33.960	7.24	26.567	2.436	0.16	4.56
105	7.05	33.969	7.04	26.601	2.509	0.17	4.53

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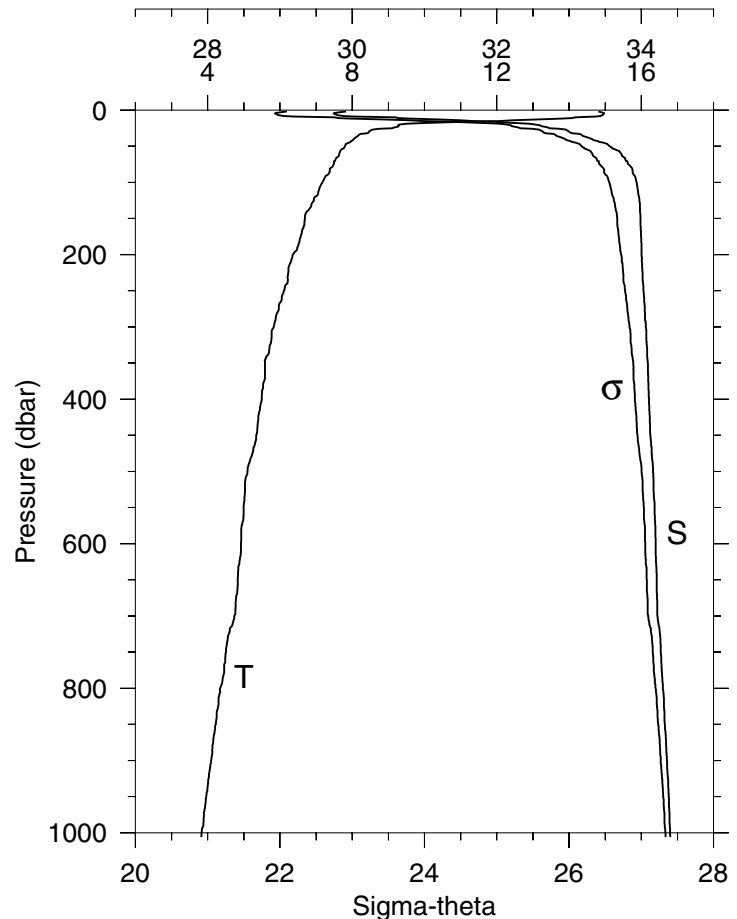
### Station 41 HH-5 Temperature, Salinity



STA: 41 HH-5 LAT: 43 60.0 N LONG: 124 60.0 W  
08 JUL 1999 0820 GMT DEPTH 922

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
2	14.91	29.948	14.91	22.100	0.114	0.85	4.17
10	13.77	30.754	13.77	22.956	0.545	1.65	4.12
20	10.71	32.253	10.71	24.688	0.940	1.33	4.28
30	8.64	32.907	8.63	25.537	1.220	0.70	4.43
40	7.90	33.358	7.89	26.000	1.439	0.24	4.54
50	7.87	33.650	7.86	26.234	1.626	0.16	4.55
60	7.78	33.674	7.78	26.265	1.803	0.17	4.55
70	7.66	33.741	7.65	26.337	1.976	0.16	4.54
80	7.37	33.892	7.37	26.496	2.138	0.16	4.54
90	7.36	33.901	7.35	26.505	2.292	0.15	4.54
100	7.19	33.951	7.18	26.568	2.442	0.15	4.55
110	7.14	33.958	7.13	26.580	2.588	0.15	4.55
120	7.03	33.971	7.01	26.606	2.733	0.16	4.55
130	6.95	33.984	6.93	26.628	2.876	0.15	4.57
140	6.93	33.985	6.91	26.632	3.018	0.15	4.57
150	6.89	33.986	6.87	26.638	3.160	0.15	4.57
175	6.68	33.998	6.67	26.674	3.509	0.15	4.57
200	6.49	34.009	6.48	26.709	3.852	0.14	4.57
225	6.28	34.024	6.26	26.749	4.187	0.15	4.57
250	6.13	34.032	6.11	26.774	4.513	0.15	4.56
275	6.06	34.037	6.04	26.787	4.836	0.15	4.56
300	5.92	34.052	5.89	26.817	5.154	0.15	4.44
350	5.86	34.058	5.83	26.830	5.783	0.15	4.48
400	5.78	34.067	5.75	26.846	6.409	0.15	4.49
450	5.65	34.083	5.61	26.876	7.026	0.15	4.51
500	5.49	34.108	5.45	26.915	7.631	0.15	4.52
600	5.05	34.176	5.00	27.022	8.770	0.15	4.56
800	4.24	34.327	4.18	27.233	10.805	0.15	4.54
930	4.01	34.369	3.94	27.290	11.951	0.15	4.53

### Station 42 HH-6 Temperature, Salinity

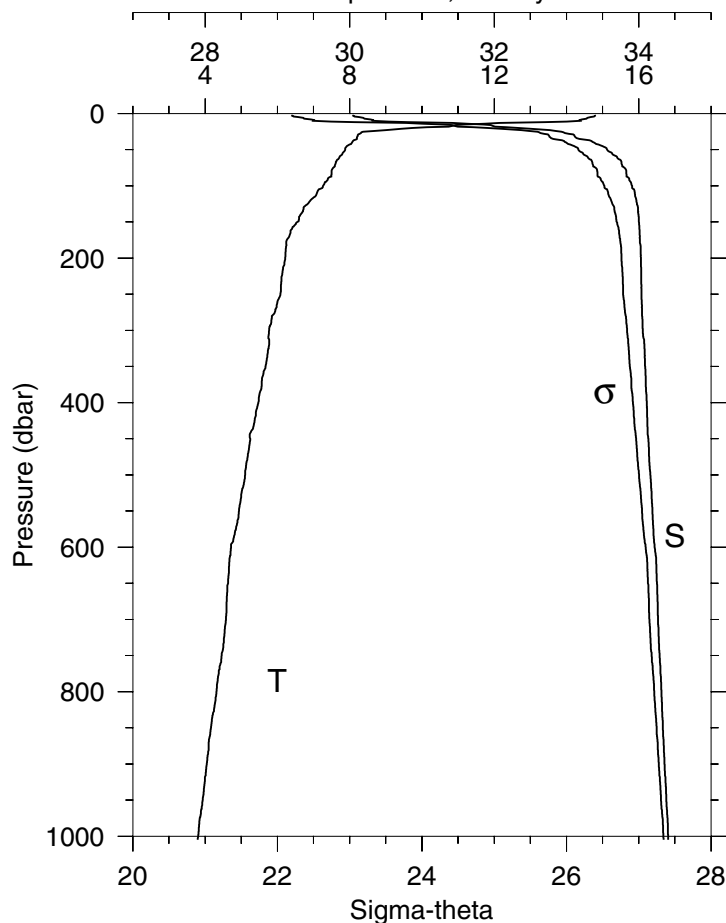


STA: 42 HH-6 LAT: 44 0.2 N LONG: 125 6.0 W  
08 JUL 1999 1044 GMT DEPTH 1407

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
2	14.81	29.914	14.81	22.095	0.114	0.87	4.24
10	14.18	30.596	14.18	22.751	0.575	1.04	4.20
20	9.30	32.532	9.30	25.139	0.967	0.98	4.37
30	8.47	33.004	8.47	25.637	1.225	0.47	4.48
40	8.04	33.318	8.04	25.948	1.443	0.27	4.52
50	7.80	33.561	7.80	26.174	1.637	0.23	4.51
60	7.64	33.721	7.64	26.322	1.813	0.17	4.53
70	7.53	33.785	7.52	26.390	1.980	0.16	4.53
80	7.40	33.869	7.39	26.473	2.140	0.16	4.54
90	7.30	33.899	7.30	26.511	2.295	0.16	4.53
100	7.18	33.935	7.17	26.557	2.445	0.15	4.54
110	7.08	33.951	7.07	26.583	2.592	0.15	4.54
120	6.97	33.967	6.96	26.610	2.737	0.15	4.55
130	6.87	33.981	6.86	26.635	2.880	0.15	4.55
140	6.75	33.983	6.74	26.653	3.021	0.15	4.57
150	6.69	33.989	6.68	26.666	3.160	0.15	4.57
175	6.58	33.997	6.56	26.688	3.505	0.15	4.54
200	6.35	34.004	6.34	26.723	3.844	0.15	4.58
225	6.23	34.018	6.21	26.750	4.176	0.15	4.58
250	6.11	34.031	6.09	26.775	4.503	0.15	4.57
275	5.97	34.046	5.94	26.807	4.823	0.15	4.58
300	5.83	34.064	5.80	26.838	5.137	0.15	4.57
350	5.58	34.092	5.55	26.890	5.748	0.15	4.57
400	5.50	34.105	5.46	26.912	6.344	0.15	4.56
450	5.34	34.127	5.31	26.948	6.927	0.15	4.56
500	5.10	34.163	5.06	27.005	7.491	0.15	4.56
600	4.92	34.198	4.88	27.054	8.571	0.15	4.51
800	4.35	34.299	4.29	27.199	10.602	0.15	4.57
1000	3.83	34.400	3.76	27.334	12.360	0.15	4.57
1006	3.82	34.402	3.74	27.336	12.410	0.15	4.57

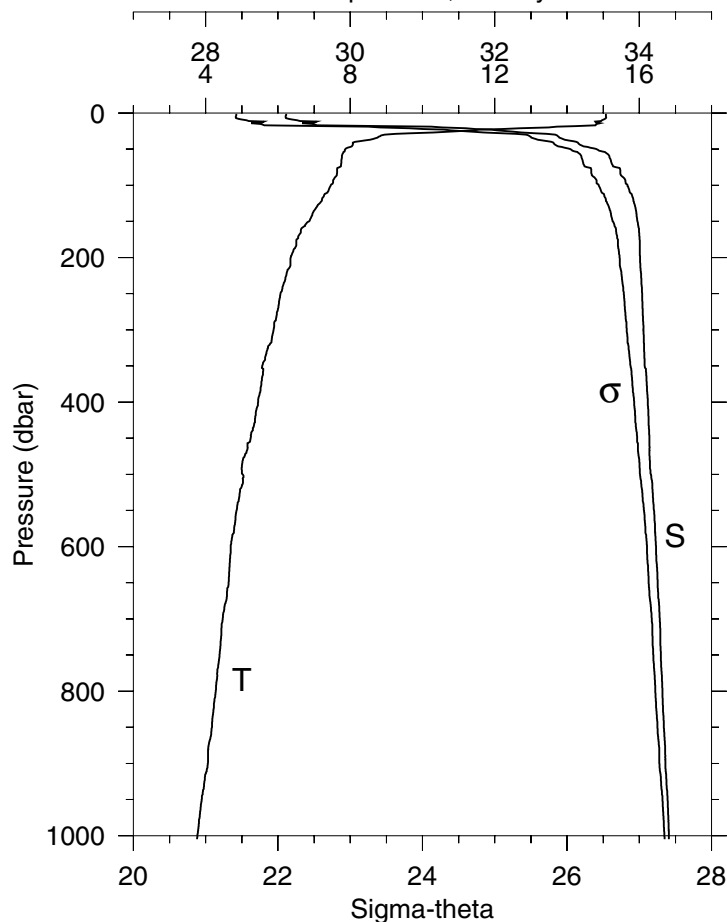
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### Station 43 HH-7 Temperature, Salinity

 STA: 43 HH-7 LAT: 44 0.2 N LONG: 125 11.9 W  
 08 JUL 1999 1202 GMT DEPTH 1686


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	14.78	30.055	14.78	22.210	0.112	0.76	4.24
10	14.38	30.319	14.38	22.496	0.551	1.00	4.23
20	9.73	32.335	9.73	24.917	0.944	1.79	4.28
30	8.22	33.106	8.22	25.754	1.193	0.45	4.50
40	8.07	33.378	8.06	25.992	1.408	0.25	4.53
50	7.87	33.562	7.87	26.164	1.599	0.20	4.53
60	7.72	33.697	7.71	26.293	1.779	0.18	4.52
70	7.60	33.766	7.60	26.363	1.948	0.17	4.53
80	7.50	33.827	7.49	26.426	2.111	0.17	4.53
90	7.40	33.867	7.39	26.473	2.270	0.17	4.53
100	7.26	33.907	7.25	26.523	2.425	0.15	4.53
110	7.09	33.945	7.08	26.577	2.574	0.15	4.53
120	6.91	33.966	6.90	26.618	2.719	0.16	4.53
130	6.73	33.988	6.72	26.660	2.860	0.16	4.53
140	6.63	33.997	6.62	26.680	2.998	0.15	4.53
150	6.55	34.002	6.54	26.694	3.135	0.15	4.54
175	6.26	34.014	6.24	26.743	3.468	0.15	4.55
200	6.22	34.029	6.20	26.760	3.795	0.15	4.52
225	6.12	34.034	6.10	26.777	4.120	0.15	4.53
250	6.08	34.037	6.06	26.784	4.442	0.15	4.53
275	5.93	34.045	5.90	26.810	4.761	0.14	4.57
300	5.77	34.055	5.75	26.837	5.073	0.14	4.58
350	5.67	34.088	5.64	26.876	5.686	0.14	4.57
400	5.47	34.111	5.44	26.919	6.282	0.14	4.57
450	5.25	34.133	5.21	26.963	6.861	0.15	4.58
500	5.10	34.161	5.06	27.003	7.422	0.15	4.58
600	4.71	34.220	4.67	27.095	8.490	0.15	4.57
800	4.31	34.314	4.25	27.214	10.443	0.15	4.56
1000	3.81	34.405	3.73	27.340	12.184	0.15	4.57
1005	3.80	34.406	3.72	27.342	12.224	0.15	4.57

### Station 44 HH-8 Temperature, Salinity

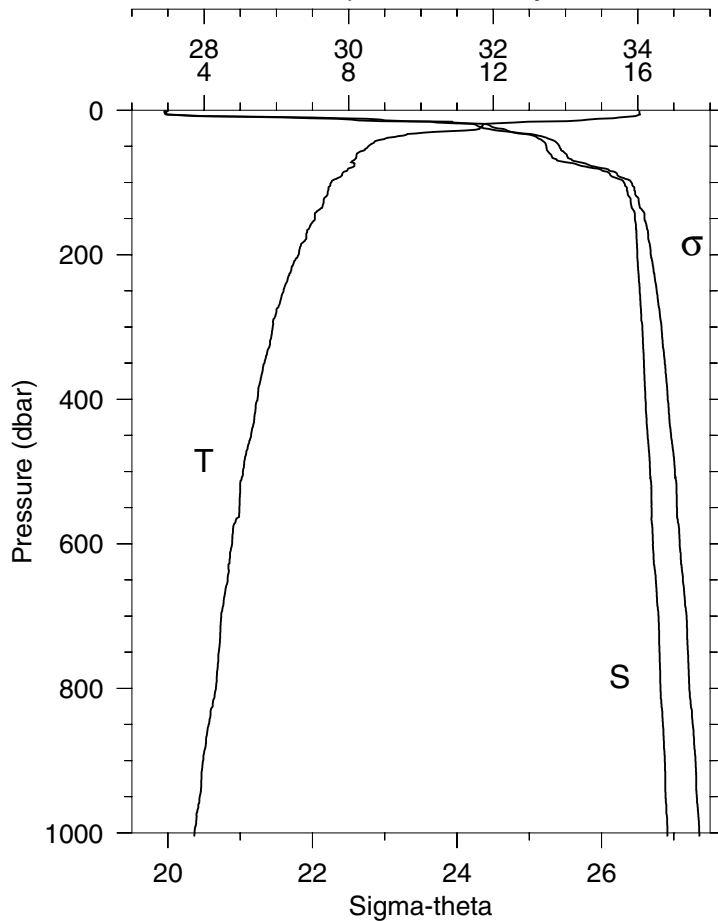
 STA: 44 HH-8 LAT: 43 60.0 N LONG: 125 17.8 W  
 08 JUL 1999 1321 GMT DEPTH 2846


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	15.08	29.113	15.08	21.423	0.064	0.76	4.24
10	14.97	29.266	14.97	21.564	0.635	0.78	4.24
20	13.49	31.272	13.48	23.412	1.212	1.07	4.18
30	8.95	32.838	8.95	25.434	1.550	0.84	4.35
40	8.13	33.129	8.13	25.786	1.791	0.48	4.47
50	7.86	33.407	7.86	26.043	2.003	0.28	4.50
60	7.77	33.585	7.76	26.198	2.190	0.19	4.52
70	7.75	33.618	7.74	26.226	2.371	0.18	4.52
80	7.64	33.736	7.63	26.336	2.545	0.16	4.53
90	7.56	33.790	7.56	26.388	2.713	0.16	4.53
100	7.46	33.837	7.45	26.440	2.875	0.16	4.53
110	7.37	33.871	7.36	26.479	3.033	0.16	4.53
120	7.22	33.917	7.21	26.537	3.185	0.16	4.53
130	7.07	33.944	7.06	26.578	3.334	0.16	4.53
140	6.95	33.962	6.94	26.609	3.479	0.15	4.53
150	6.86	33.974	6.85	26.632	3.622	0.15	4.53
175	6.51	34.005	6.50	26.703	3.968	0.15	4.54
200	6.35	34.011	6.34	26.728	4.305	0.15	4.56
225	6.23	34.025	6.21	26.756	4.636	0.14	4.55
250	6.07	34.039	6.05	26.787	4.961	0.15	4.53
275	5.98	34.048	5.95	26.806	5.280	0.15	4.54
300	5.88	34.057	5.85	26.826	5.595	0.14	4.57
350	5.57	34.075	5.54	26.879	6.211	0.15	4.58
400	5.45	34.118	5.42	26.928	6.804	0.15	4.57
450	5.25	34.141	5.21	26.970	7.379	0.14	4.57
500	5.02	34.161	4.99	27.012	7.934	0.15	4.58
600	4.69	34.231	4.64	27.106	8.985	0.15	4.57
800	4.28	34.320	4.22	27.222	10.915	0.15	4.57
1000	3.77	34.411	3.70	27.348	12.641	0.15	4.57
1005	3.76	34.411	3.69	27.350	12.682	0.15	4.57

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# Station 45 HH-9 Temperature, Salinity

STA: 45 HH-9 LAT: 44 0.1 N LONG: 125 24.0 W  
08 JUL 1999 1439 GMT DEPTH 2990

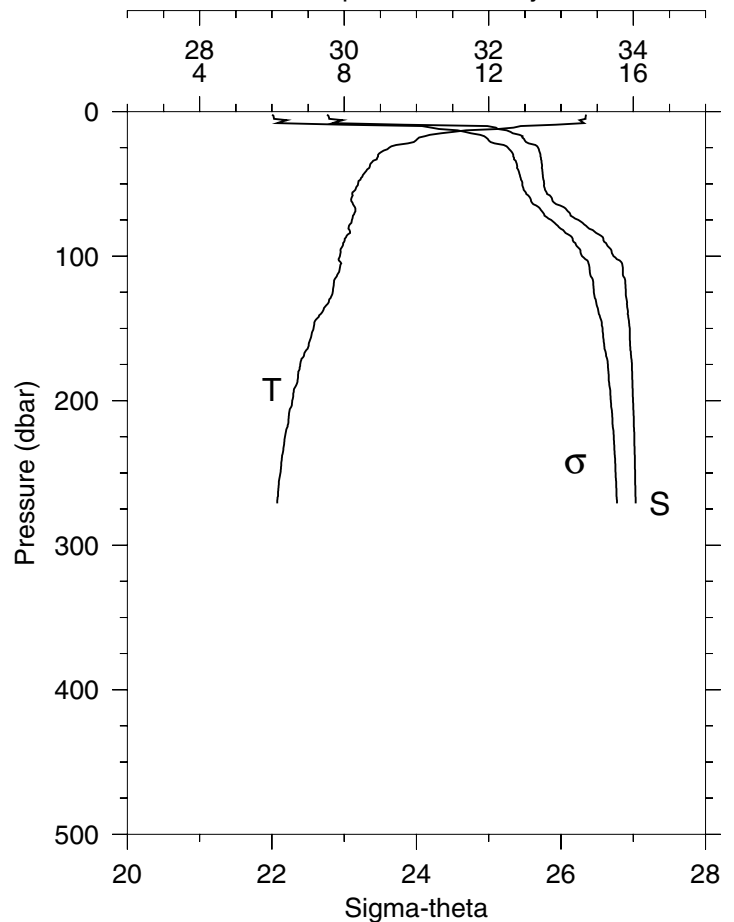


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	16.05	27.451	16.05	19.940	0.078	0.39	4.35
10	15.49	29.466	15.48	21.608	0.754	0.45	4.39
20	11.71	31.930	11.71	24.260	1.231	0.74	4.36
30	10.39	32.241	10.39	24.734	1.582	1.16	4.23
40	8.99	32.646	8.98	25.278	1.870	1.53	4.35
50	8.55	32.735	8.54	25.415	2.130	0.72	4.48
60	8.23	32.780	8.23	25.498	2.383	0.42	4.51
70	8.10	32.902	8.10	25.613	2.627	0.32	4.51
80	8.02	33.383	8.01	26.003	2.847	0.26	4.51
90	7.81	33.621	7.81	26.219	3.034	0.19	4.52
100	7.51	33.809	7.50	26.411	3.205	0.16	4.53
110	7.44	33.850	7.43	26.453	3.365	0.16	4.53
120	7.36	33.884	7.35	26.492	3.522	0.16	4.53
130	7.29	33.906	7.28	26.518	3.675	0.16	4.53
140	7.12	33.951	7.10	26.578	3.826	0.15	4.54
150	7.06	33.961	7.05	26.594	3.972	0.15	4.55
175	6.83	33.983	6.81	26.643	4.329	0.15	4.56
200	6.61	33.993	6.59	26.680	4.678	0.15	4.57
225	6.39	34.009	6.37	26.723	5.018	0.14	4.55
250	6.20	34.026	6.18	26.761	5.349	0.15	4.55
275	6.01	34.044	5.98	26.800	5.673	0.14	4.54
300	5.89	34.063	5.87	26.829	5.989	0.14	4.57
350	5.67	34.084	5.64	26.874	6.606	0.15	4.57
400	5.48	34.106	5.44	26.915	7.203	0.14	4.57
450	5.30	34.136	5.26	26.960	7.783	0.15	4.53
500	5.07	34.172	5.03	27.015	8.339	0.14	4.55
600	4.78	34.210	4.73	27.080	9.405	0.14	4.57
800	4.32	34.315	4.26	27.214	11.346	0.15	4.55
1000	3.73	34.411	3.66	27.352	13.061	0.14	4.58
1005	3.72	34.413	3.65	27.355	13.102	0.14	4.58

# Station 46 NH-25 Temperature, Salinity

STA: 46 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W  
09 JUL 1999 1123 GMT DEPTH 292

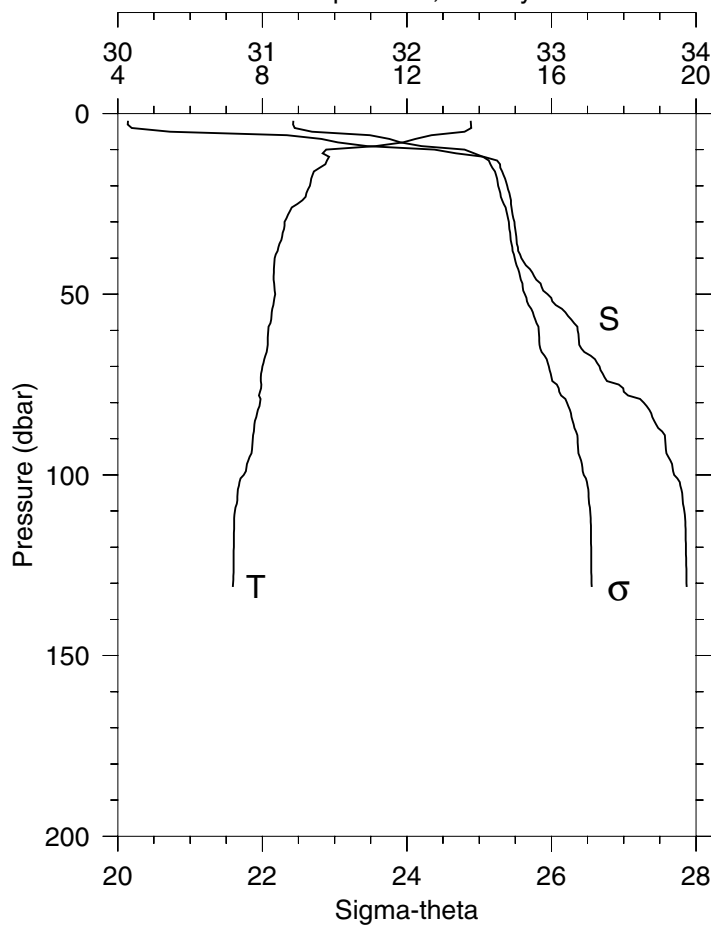
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	14.69	29.765	14.69	22.005	0.116	0.79	4.19
10	12.88	31.980	12.88	24.078	0.557	0.86	4.26
20	9.99	32.497	9.99	25.000	0.882	2.57	4.22
30	8.94	32.717	8.94	25.341	1.156	0.99	4.47
40	8.63	32.740	8.63	25.406	1.416	0.69	4.51
50	8.38	32.766	8.38	25.464	1.670	0.35	4.54
60	8.19	32.873	8.19	25.576	1.918	0.23	4.55
70	8.29	33.117	8.28	25.754	2.151	0.16	4.56
80	8.13	33.365	8.12	25.972	2.366	0.15	4.55
90	8.00	33.597	7.99	26.175	2.558	0.15	4.56
100	7.88	33.725	7.88	26.291	2.736	0.14	4.56
110	7.87	33.856	7.86	26.397	2.903	0.14	4.57
120	7.71	33.891	7.70	26.447	3.064	0.14	4.57
130	7.59	33.908	7.58	26.478	3.223	0.14	4.56
140	7.35	33.924	7.33	26.525	3.377	0.14	4.56
150	7.15	33.950	7.13	26.574	3.526	0.14	4.55
175	6.78	33.981	6.76	26.648	3.888	0.14	4.57
200	6.56	33.996	6.55	26.689	4.236	0.14	4.56
225	6.36	34.014	6.34	26.730	4.575	0.14	4.54
250	6.23	34.024	6.21	26.755	4.906	0.15	4.53
271	6.14	34.034	6.12	26.774	5.180	0.15	4.50



W9907A

# Station 47 NH-20 Temperature, Salinity

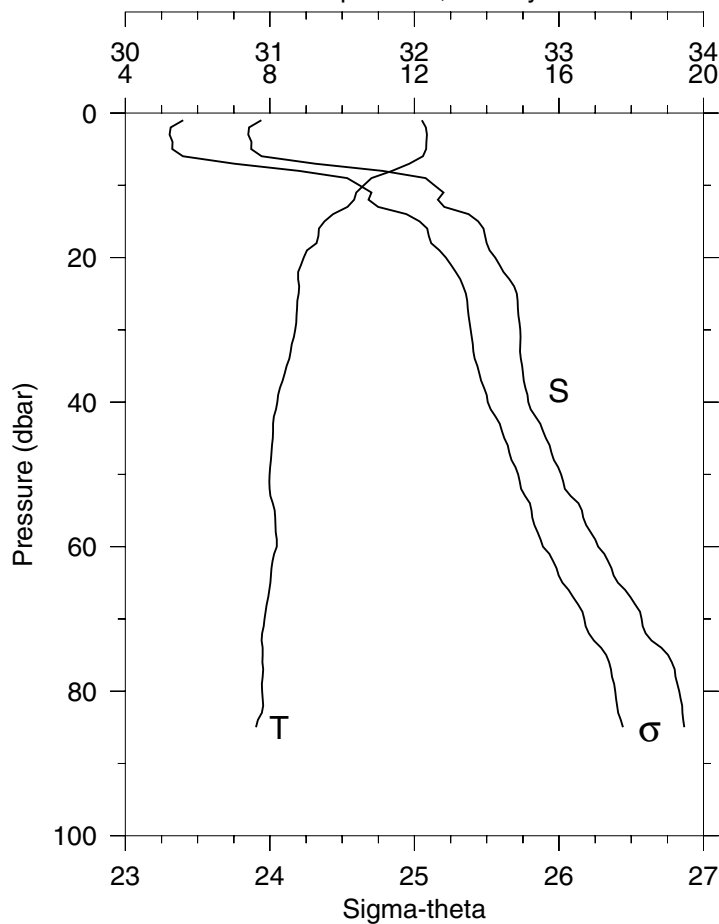
STA: 47 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W  
09 JUL 1999 1235 GMT DEPTH 141



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	13.76	30.071	13.76	22.429	0.108	1.17	4.09
10	9.76	32.190	9.76	24.798	0.472	2.16	4.21
20	9.31	32.694	9.31	25.264	0.754	1.12	4.44
30	8.61	32.743	8.61	25.411	1.017	0.56	4.52
40	8.34	32.792	8.34	25.491	1.270	0.32	4.55
50	8.35	32.973	8.35	25.630	1.512	0.18	4.57
60	8.17	33.181	8.16	25.822	1.738	0.17	4.56
70	8.00	33.332	7.99	25.965	1.951	0.16	4.55
80	7.93	33.639	7.93	26.216	2.146	0.15	4.55
90	7.74	33.787	7.73	26.361	2.319	0.15	4.55
100	7.49	33.849	7.48	26.446	2.483	0.16	4.51
110	7.24	33.919	7.23	26.536	2.636	0.16	4.46
120	7.21	33.930	7.20	26.549	2.786	0.16	4.40
130	7.19	33.934	7.18	26.555	2.935	0.16	4.34
131	7.18	33.936	7.17	26.558	2.950	0.16	4.33

# Station 48 NH-15 Temperature, Salinity

STA: 48 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W  
09 JUL 1999 1340 GMT DEPTH 93



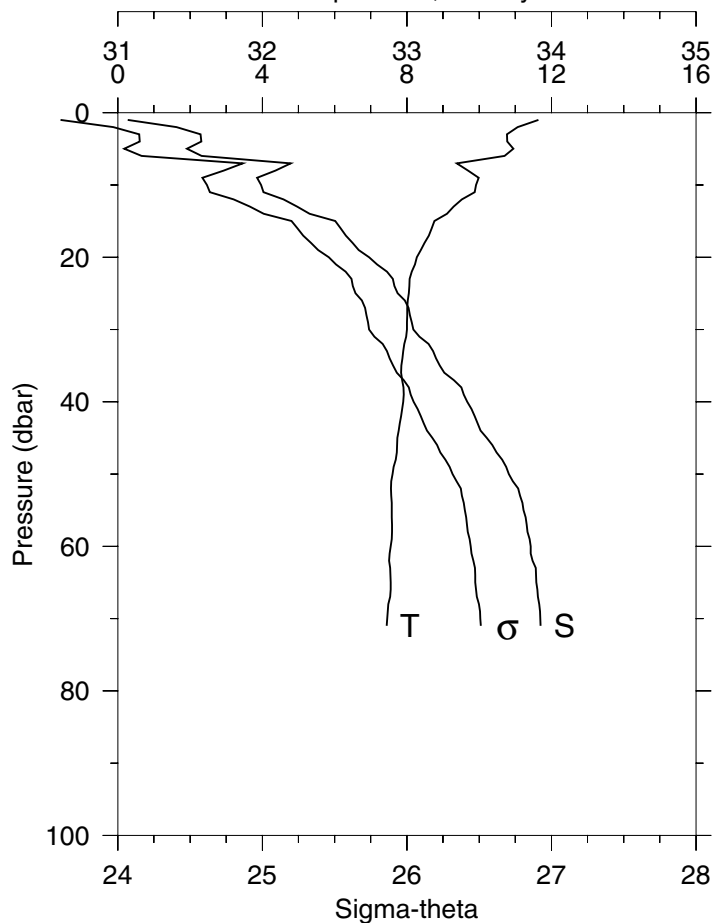
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	12.21	30.941	12.21	23.401	0.045	1.41	4.11
10	10.60	32.139	10.60	24.619	0.423	1.88	4.19
20	8.93	32.558	8.93	25.217	0.723	1.02	4.42
30	8.70	32.732	8.70	25.389	0.986	0.67	4.50
40	8.21	32.788	8.20	25.508	1.240	0.36	4.54
50	7.99	33.015	7.99	25.717	1.476	0.26	4.55
60	8.19	33.272	8.19	25.889	1.696	0.16	4.56
70	7.85	33.572	7.84	26.176	1.893	0.16	4.54
80	7.79	33.832	7.78	26.389	2.065	0.15	4.56
85	7.61	33.867	7.60	26.442	2.146	0.16	4.51



W9907A

### Station 49 NH-10 Temperature, Salinity

STA: 49 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W  
09 JUL 1999 1433 GMT DEPTH 80

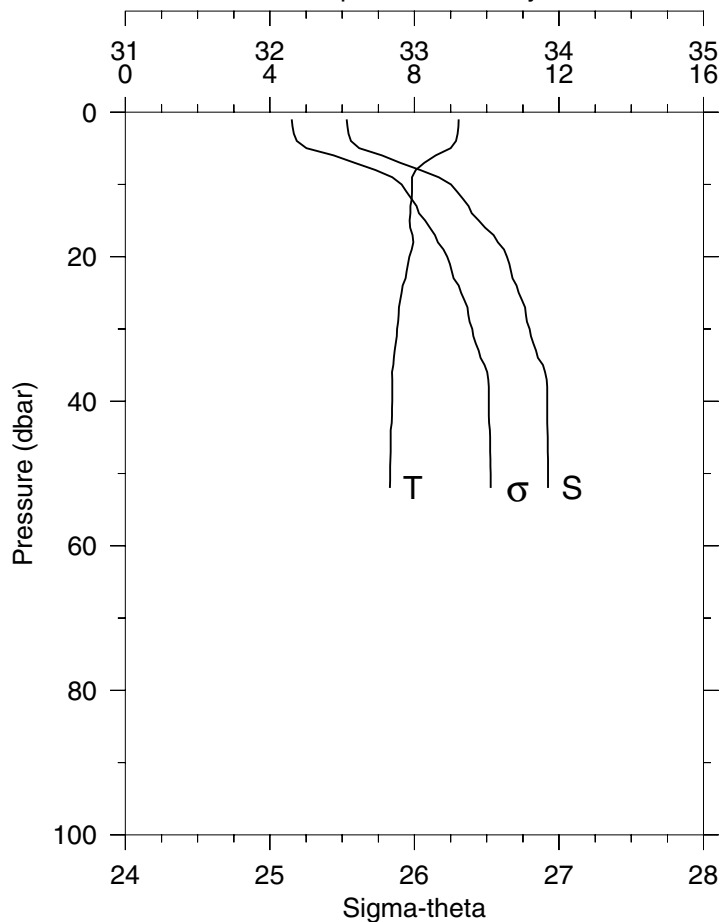


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.64	31.069	11.64	23.603	0.043	3.03	3.80
10	9.92	31.990	9.91	24.617	0.368	0.87	4.34
20	8.27	32.739	8.27	25.459	0.655	0.62	4.49
30	8.00	33.045	8.00	25.739	0.889	0.31	4.54
40	7.90	33.417	7.90	26.046	1.098	0.18	4.54
50	7.60	33.705	7.59	26.316	1.281	0.17	4.53
60	7.55	33.856	7.55	26.441	1.444	0.15	4.55
70	7.45	33.922	7.45	26.507	1.600	0.16	4.49
71	7.44	33.925	7.43	26.512	1.615	0.16	4.48

STA: 50 NH-5 LAT: 44 39.1 N LONG: 124 10.7 W  
09 JUL 1999 1539 GMT DEPTH 57

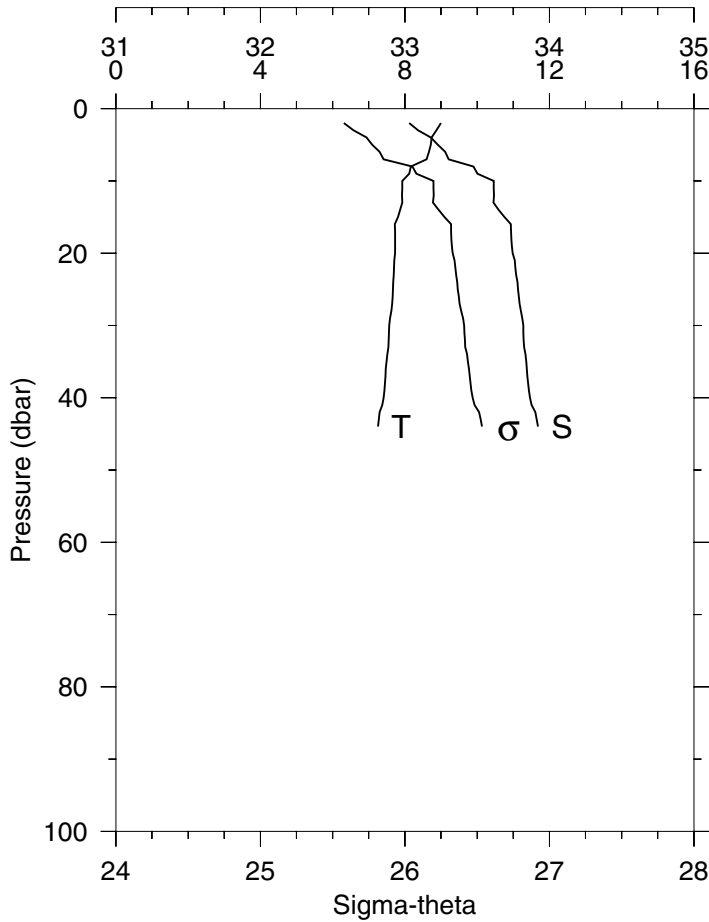
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.23	32.532	9.23	25.151	0.028	1.48	4.14
10	7.93	33.252	7.93	25.911	0.256	0.46	4.43
20	7.86	33.640	7.86	26.227	0.449	0.65	4.37
30	7.52	33.797	7.52	26.400	0.619	0.21	4.50
40	7.38	33.918	7.38	26.514	0.775	0.18	4.46
50	7.33	33.924	7.32	26.527	0.926	0.20	4.43
52	7.32	33.925	7.32	26.528	0.956	0.21	4.41

### Station 50 NH-5 Temperature, Salinity



W9907A

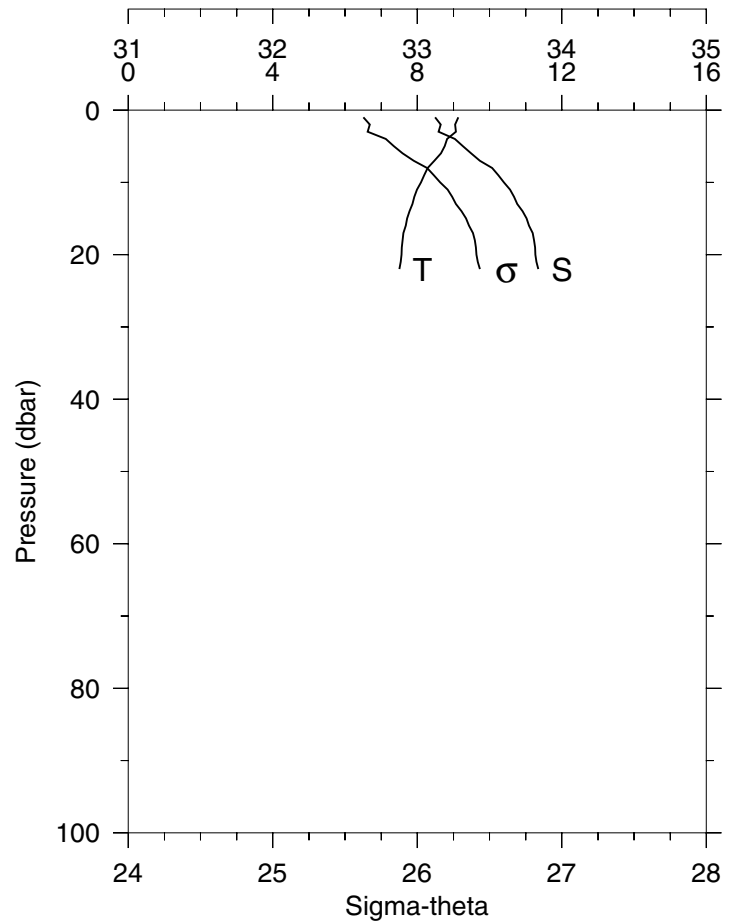
Station 51 NH-3  
Temperature, Salinity



STA: 51 NH-3 LAT: 44 39.1 N LONG: 124 7.9 W  
09 JUL 1999 1624 GMT DEPTH 48

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	9.00	33.030	9.00	25.577	0.048	1.09	4.15
10	7.92	33.614	7.92	26.197	0.219	0.57	4.39
20	7.72	33.746	7.72	26.330	0.394	0.42	4.46
30	7.56	33.819	7.56	26.410	0.559	0.32	4.42
40	7.41	33.865	7.41	26.469	0.718	0.38	4.36
44	7.26	33.920	7.25	26.533	0.779	0.37	4.35

Station 52 NH-1  
Temperature, Salinity



STA: 52 NH-1 LAT: 44 39.1 N LONG: 124 6.1 W  
09 JUL 1999 1700 GMT DEPTH 27

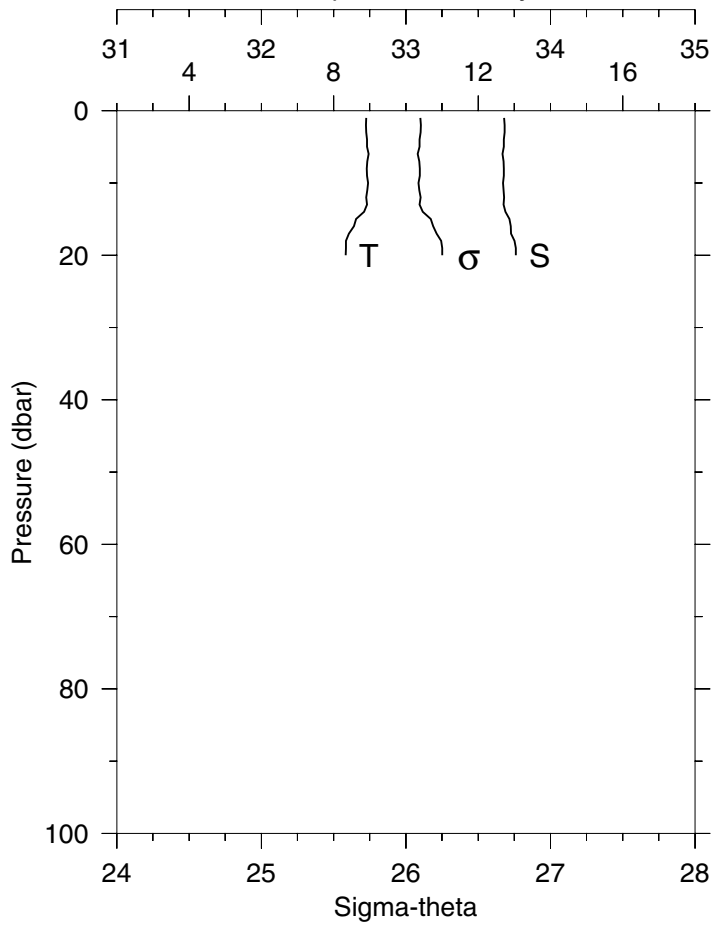
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	9.14	33.123	9.14	25.627	0.024	1.14	4.12
10	8.10	33.600	8.10	26.159	0.214	0.70	4.25
20	7.56	33.818	7.56	26.410	0.383	0.44	4.30
22	7.51	33.838	7.51	26.433	0.415	0.43	4.31

W9909C

### Station 1 NH-1 Temperature, Salinity

STA: 1 NH-1 LAT: 44 39.0 N LONG: 124 6.1 W  
22 SEP 1999 1829 GMT DEPTH 28

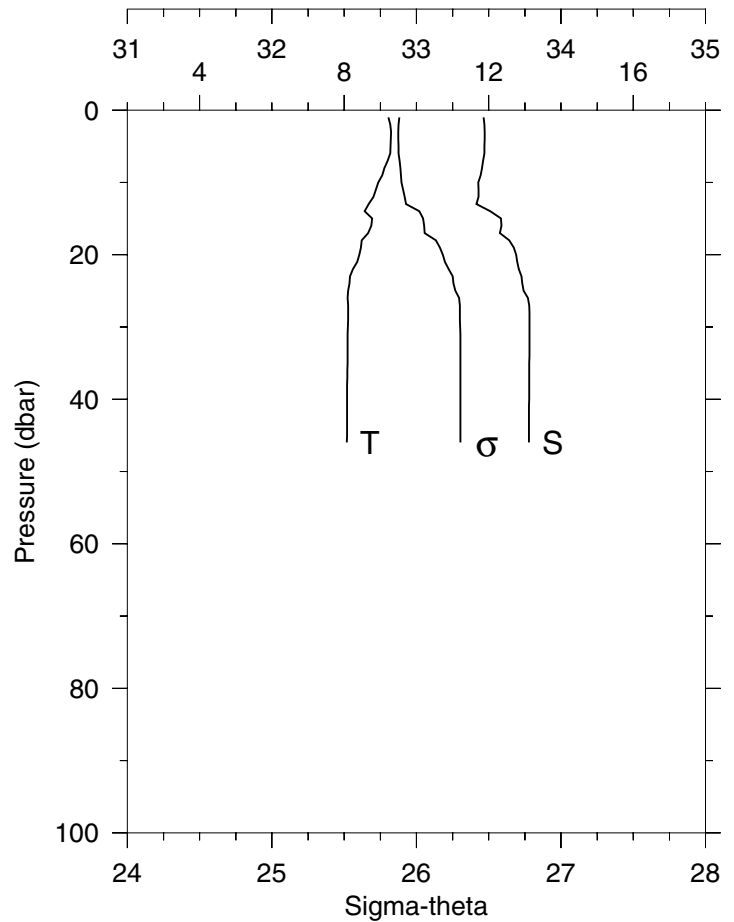
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	8.90	33.679	8.90	26.099	0.019	1.62	4.08
10	8.95	33.672	8.95	26.086	0.191	1.62	4.03
20	8.34	33.761	8.33	26.251	0.375	1.03	4.25



### Station 2 NH-3 Temperature, Salinity

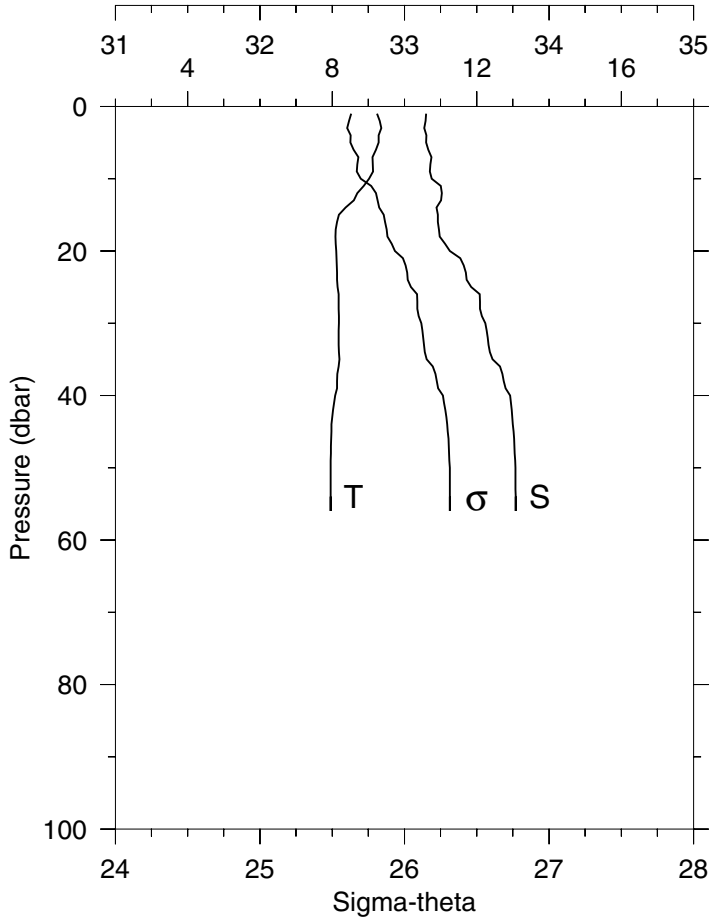
STA: 2 NH-3 LAT: 44 39.1 N LONG: 124 7.9 W  
22 SEP 1999 1929 GMT DEPTH 48

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.22	33.464	9.22	25.881	0.021	2.51	3.95
10	8.94	33.427	8.94	25.896	0.211	2.11	4.01
20	8.42	33.689	8.42	26.182	0.408	1.47	4.30
30	8.11	33.782	8.10	26.302	0.584	0.42	4.31
40	8.08	33.780	8.07	26.305	0.755	0.49	4.23
46	8.07	33.778	8.07	26.304	0.858	0.71	3.98



W9909C

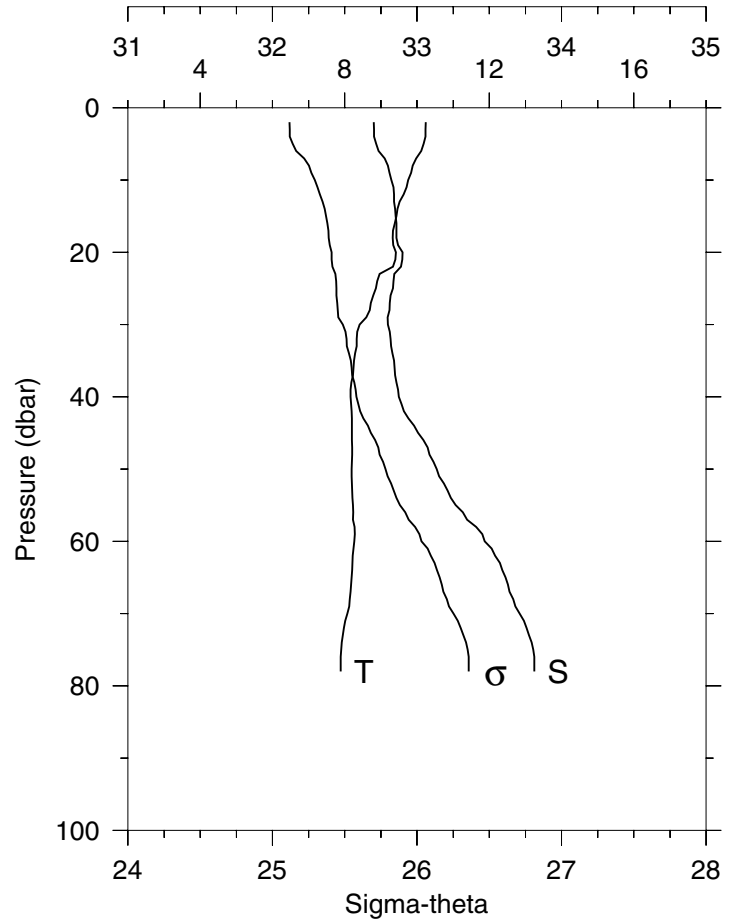
### Station 3 NH-5 Temperature, Salinity



STA: 3 NH-5 LAT: 44 39.1 N LONG: 124 10.6 W  
22 SEP 1999 2004 GMT DEPTH 58

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.24	33.150	9.24	25.632	0.023	4.38	3.77
10	9.02	33.188	9.02	25.697	0.234	4.87	3.89
20	8.11	33.313	8.11	25.933	0.449	0.42	4.51
30	8.18	33.559	8.18	26.116	0.644	0.16	4.54
40	8.08	33.730	8.08	26.265	0.828	0.32	4.47
50	7.96	33.767	7.95	26.313	1.000	0.22	4.41
54	7.96	33.769	7.95	26.314	1.069	0.25	4.38

### Station 4 NH-10 Temperature, Salinity

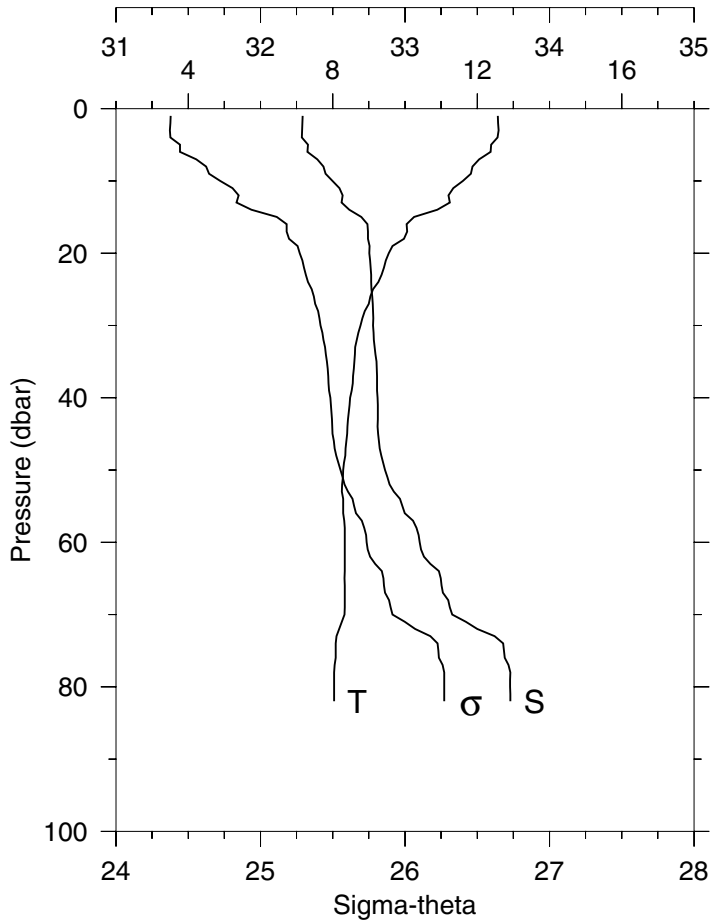


STA: 4 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W  
22 SEP 1999 2133 GMT DEPTH 80

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.24	32.701	10.24	25.117	0.057	3.24	4.02
10	9.76	32.823	9.76	25.293	0.278	4.99	3.88
20	9.41	32.901	9.41	25.410	0.539	3.88	4.02
30	8.41	32.799	8.41	25.486	0.792	1.28	4.45
40	8.16	32.874	8.16	25.581	1.037	0.22	4.55
50	8.19	33.136	8.19	25.783	1.268	0.17	4.56
60	8.27	33.468	8.26	26.032	1.478	0.17	4.56
70	8.07	33.711	8.07	26.252	1.665	0.17	4.55
78	7.89	33.811	7.88	26.358	1.800	0.19	4.47

W9909C

### Station 5 NH-15 Temperature, Salinity



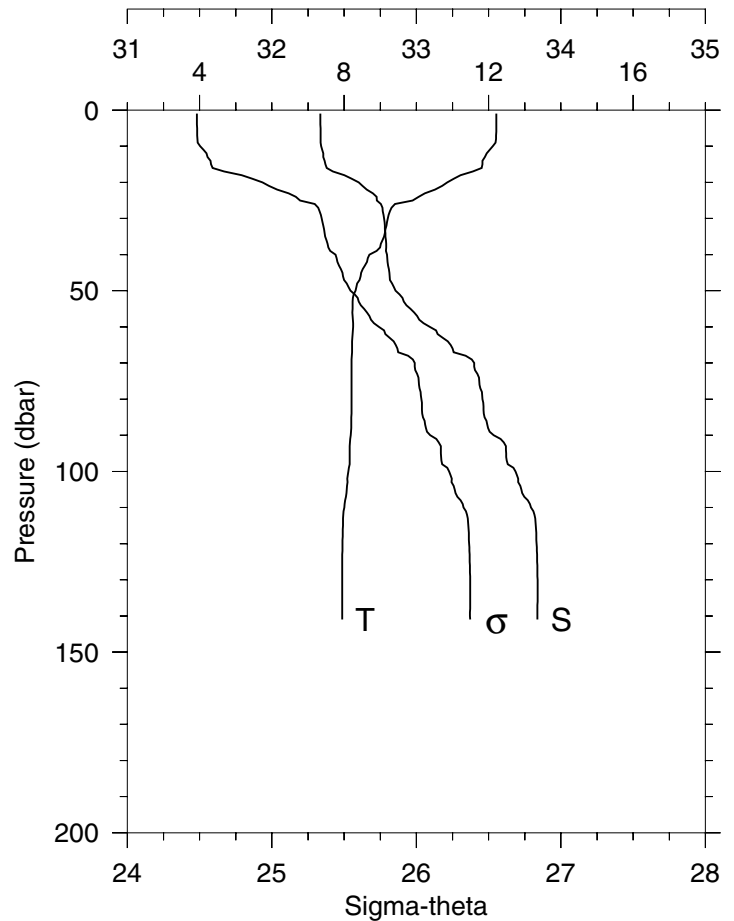
STA: 5 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W  
22 SEP 1999 2304 GMT DEPTH 94

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	12.57	32.291	12.57	24.379	0.035	1.80	4.05
10	11.60	32.499	11.60	24.722	0.345	1.72	4.19
20	9.55	32.753	9.55	25.272	0.636	0.64	4.46
30	8.77	32.779	8.77	25.416	0.899	0.34	4.54
40	8.48	32.810	8.48	25.484	1.151	0.23	4.55
50	8.29	32.862	8.28	25.554	1.398	0.22	4.55
60	8.33	33.101	8.32	25.735	1.632	0.15	4.56
70	8.33	33.327	8.32	25.913	1.849	0.14	4.56
80	8.04	33.728	8.03	26.271	2.032	0.20	4.49
82	8.04	33.729	8.03	26.271	2.067	0.19	4.49

STA: 6 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W  
23 SEP 1999 0520 GMT DEPTH 143

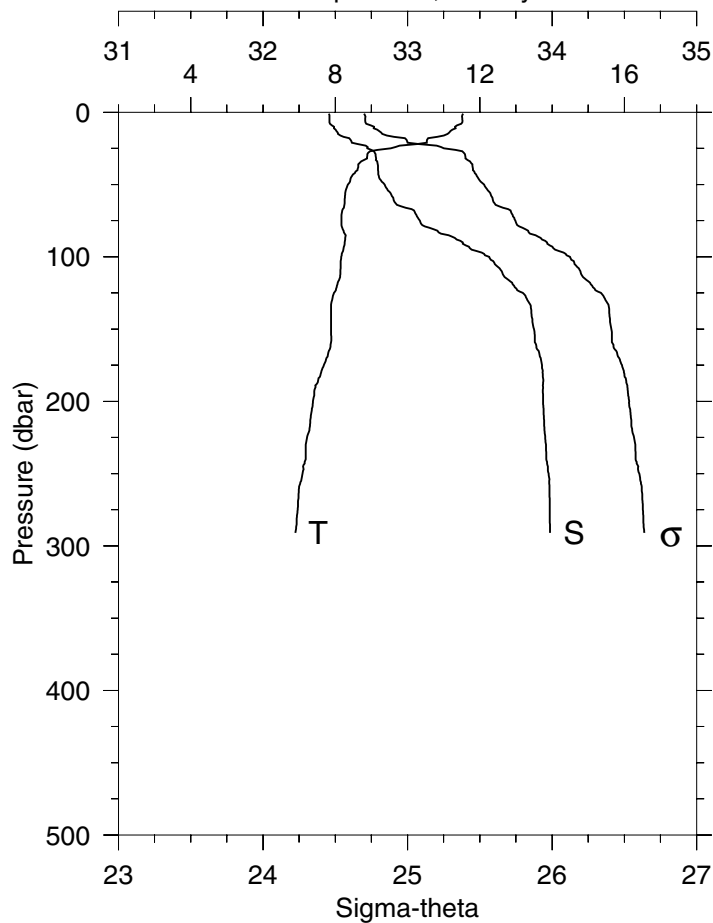
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	12.21	32.336	12.21	24.482	0.034	1.01	4.28
10	12.12	32.341	12.12	24.503	0.344	1.00	4.28
20	10.85	32.602	10.85	24.935	0.673	1.22	4.36
30	9.21	32.777	9.21	25.345	0.950	0.43	4.52
40	8.70	32.797	8.69	25.441	1.210	0.30	4.54
50	8.32	32.856	8.31	25.544	1.459	0.21	4.55
60	8.25	33.094	8.24	25.742	1.694	0.18	4.55
70	8.21	33.400	8.20	25.988	1.908	0.20	4.54
80	8.21	33.458	8.20	26.034	2.108	0.19	4.54
90	8.19	33.534	8.18	26.096	2.304	0.19	4.54
100	8.12	33.686	8.11	26.226	2.489	0.21	4.51
110	8.01	33.793	8.00	26.327	2.665	0.19	4.49
120	7.96	33.832	7.95	26.365	2.833	0.20	4.46
130	7.95	33.839	7.93	26.372	3.000	0.19	4.45
140	7.95	33.838	7.93	26.371	3.167	0.19	4.44
141	7.95	33.838	7.93	26.372	3.183	0.20	4.44

### Station 6 NH-20 Temperature, Salinity



W9909C

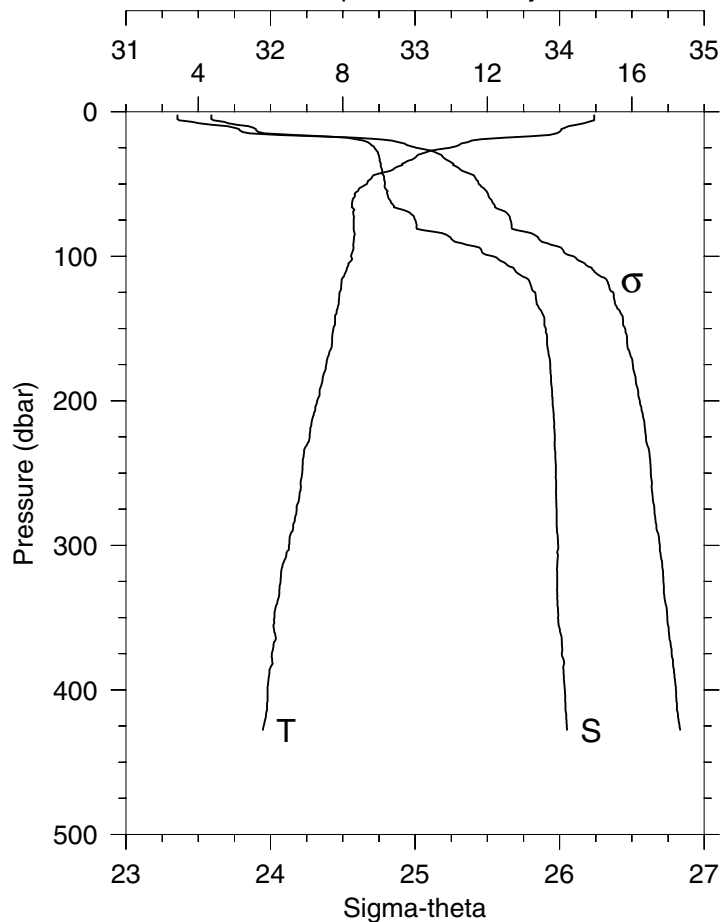
### Station 7 NH-25 Temperature, Salinity



STA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W  
23 SEP 1999 0631 GMT DEPTH 295

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	11.54	32.455	11.54	24.699	0.032	0.99	4.28
10	11.31	32.491	11.31	24.767	0.322	1.08	4.28
20	10.53	32.610	10.53	24.997	0.630	1.76	4.24
30	8.89	32.779	8.89	25.398	0.902	0.42	4.53
40	8.61	32.796	8.61	25.453	1.157	0.51	4.54
50	8.35	32.842	8.34	25.529	1.406	0.24	4.56
60	8.26	32.902	8.26	25.589	1.648	0.19	4.55
70	8.18	33.053	8.17	25.720	1.883	0.19	4.55
80	8.19	33.152	8.19	25.796	2.108	0.21	4.55
90	8.26	33.382	8.25	25.966	2.320	0.25	4.53
100	8.16	33.564	8.15	26.123	2.518	0.19	4.53
110	8.14	33.652	8.13	26.196	2.705	0.19	4.52
120	8.05	33.736	8.03	26.277	2.885	0.20	4.51
130	7.91	33.828	7.90	26.369	3.055	0.16	4.51
140	7.88	33.858	7.87	26.397	3.220	0.16	4.52
150	7.88	33.874	7.87	26.409	3.384	0.15	4.53
175	7.68	33.930	7.66	26.483	3.787	0.15	4.53
200	7.38	33.938	7.36	26.533	4.173	0.15	4.54
225	7.22	33.953	7.20	26.567	4.551	0.15	4.53
250	7.09	33.976	7.07	26.603	4.922	0.15	4.52
275	6.96	33.984	6.93	26.628	5.284	0.15	4.50
291	6.89	33.986	6.87	26.638	5.515	0.15	4.49

### Station 8 NH-35 Temperature, Salinity

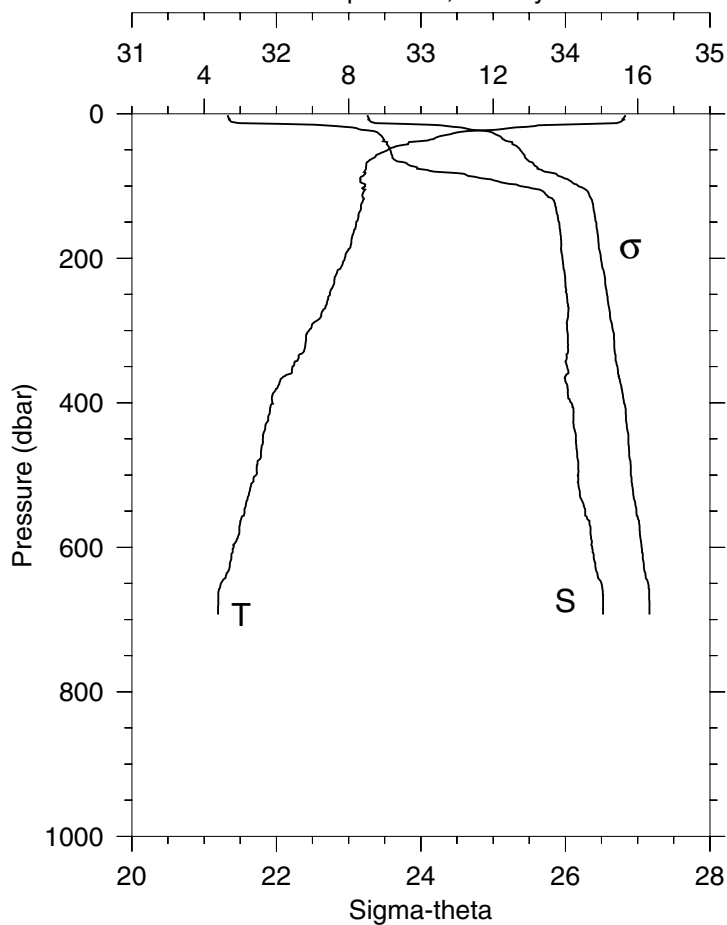


STA: 8 NH-35 LAT: 44 39.0 N LONG: 124 53.0 W  
23 SEP 1999 0922 GMT DEPTH 436

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	14.95	31.592	14.95	23.357	0.090	0.67	4.28
10	14.25	31.847	14.25	23.701	0.445	0.65	4.33
20	11.56	32.641	11.56	24.839	0.827	0.62	4.48
30	10.07	32.748	10.07	25.183	1.120	0.34	4.54
40	9.39	32.771	9.38	25.313	1.392	0.27	4.55
50	8.67	32.791	8.66	25.441	1.650	0.18	4.56
60	8.29	32.817	8.28	25.518	1.899	0.15	4.55
70	8.29	32.964	8.28	25.634	2.141	0.13	4.56
80	8.30	33.009	8.30	25.667	2.375	0.14	4.56
90	8.30	33.278	8.29	25.879	2.596	0.14	4.56
100	8.23	33.541	8.22	26.096	2.797	0.14	4.56
110	8.10	33.694	8.08	26.236	2.982	0.14	4.56
120	7.96	33.801	7.95	26.341	3.156	0.15	4.56
130	7.89	33.838	7.88	26.379	3.323	0.14	4.56
140	7.81	33.883	7.80	26.426	3.488	0.15	4.56
150	7.74	33.903	7.73	26.453	3.648	0.15	4.56
175	7.54	33.935	7.53	26.507	4.041	0.15	4.55
200	7.29	33.951	7.27	26.555	4.422	0.15	4.56
225	7.08	33.966	7.06	26.597	4.793	0.15	4.55
250	6.88	33.974	6.86	26.630	5.154	0.15	4.56
275	6.72	33.979	6.70	26.655	5.512	0.15	4.56
300	6.51	33.990	6.48	26.693	5.862	0.15	4.56
350	6.11	33.989	6.08	26.745	6.542	0.15	4.56
400	5.92	34.036	5.88	26.805	7.199	0.15	4.53
428	5.79	34.051	5.76	26.833	7.556	0.15	4.48

### Station 9 NH-45

Temperature, Salinity



STA: 9 NH-45 LAT: 44 39.1 N LONG: 125 7.1 W  
23 SEP 1999 1058 GMT DEPTH 698

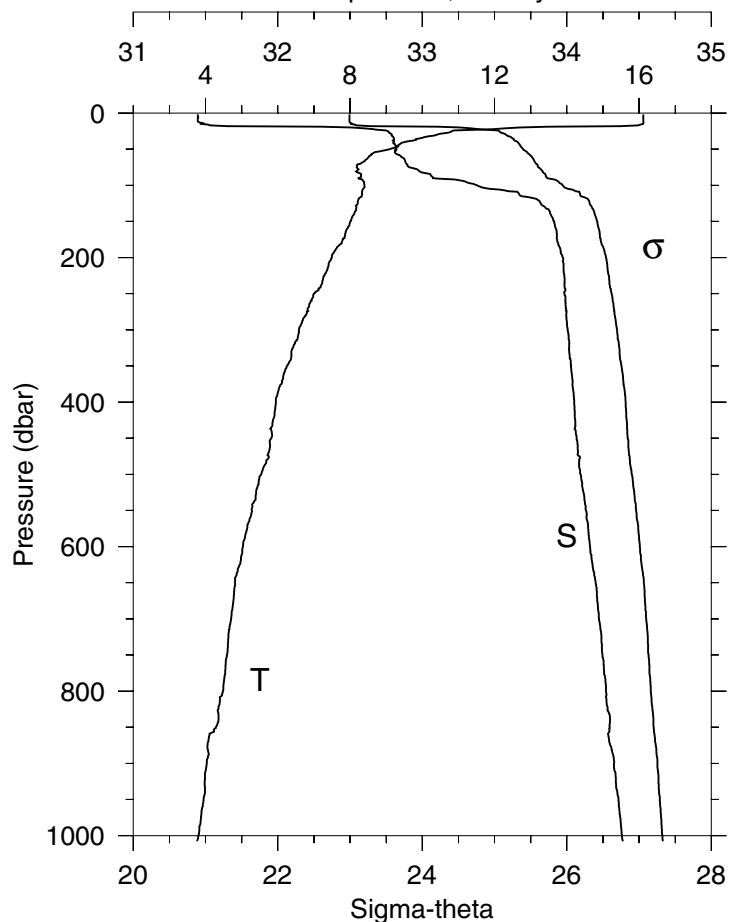
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	15.66	31.663	15.66	23.260	0.092	0.56	4.38
10	15.56	31.681	15.56	23.294	0.460	0.55	4.37
20	12.43	32.555	12.42	24.611	0.855	1.05	4.42
30	10.63	32.723	10.63	25.068	1.160	0.51	4.51
40	9.66	32.764	9.65	25.264	1.442	0.33	4.55
50	9.09	32.787	9.08	25.373	1.707	0.22	4.57
60	8.73	32.802	8.73	25.440	1.963	0.15	4.56
70	8.49	32.909	8.48	25.560	2.212	0.13	4.57
80	8.44	33.092	8.43	25.713	2.449	0.15	4.56
90	8.32	33.452	8.31	26.013	2.661	0.12	4.56
100	8.45	33.687	8.44	26.177	2.853	0.15	4.55
110	8.40	33.858	8.39	26.320	3.029	0.15	4.52
120	8.39	33.920	8.38	26.369	3.198	0.15	4.52
130	8.34	33.935	8.33	26.388	3.364	0.15	4.52
140	8.27	33.944	8.26	26.406	3.529	0.15	4.52
150	8.21	33.956	8.19	26.425	3.692	0.14	4.52
175	8.08	33.970	8.06	26.456	4.094	0.15	4.52
200	7.89	33.980	7.87	26.492	4.490	0.15	4.53
225	7.63	33.997	7.61	26.544	4.876	0.14	4.53
250	7.48	34.010	7.46	26.575	5.253	0.15	4.53
275	7.26	34.019	7.23	26.615	5.622	0.15	4.54
300	6.90	34.013	6.87	26.659	5.983	0.15	4.54
350	6.45	34.012	6.42	26.719	6.681	0.15	4.55
400	5.89	34.040	5.86	26.813	7.343	0.15	4.56
450	5.63	34.073	5.59	26.871	7.968	0.15	4.56
500	5.43	34.086	5.39	26.905	8.575	0.15	4.56
600	4.82	34.185	4.77	27.055	9.704	0.15	4.56
693	4.39	34.261	4.33	27.163	10.634	0.15	4.57

STA: 10 NH-55 LAT: 44 39.3 N LONG: 125 21.8 W  
23 SEP 1999 1335 GMT DEPTH 2857

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	16.12	31.448	16.12	22.992	0.097	0.37	4.45
10	16.12	31.446	16.11	22.991	0.486	0.35	4.45
20	12.69	32.513	12.69	24.528	0.949	0.79	4.43
30	10.41	32.790	10.40	25.159	1.248	0.67	4.51
40	9.53	32.804	9.52	25.316	1.520	0.51	4.54
50	9.11	32.821	9.10	25.396	1.782	0.29	4.56
60	8.52	32.852	8.52	25.511	2.034	0.17	4.56
70	8.29	32.891	8.28	25.576	2.278	0.16	4.56
80	8.19	32.977	8.18	25.659	2.516	0.13	4.56
90	8.23	33.074	8.23	25.729	2.746	0.13	4.56
100	8.40	33.379	8.39	25.943	2.959	0.14	4.56
110	8.33	33.663	8.32	26.177	3.157	0.15	4.55
120	8.23	33.797	8.22	26.297	3.338	0.14	4.53
130	8.18	33.848	8.16	26.345	3.509	0.15	4.53
140	8.11	33.888	8.10	26.386	3.676	0.15	4.52
150	8.01	33.913	7.99	26.422	3.840	0.15	4.52
175	7.80	33.933	7.78	26.468	4.241	0.14	4.52
200	7.50	33.973	7.48	26.543	4.628	0.14	4.53
225	7.29	33.983	7.27	26.581	5.002	0.15	4.53
250	7.00	33.984	6.98	26.621	5.369	0.15	4.55
275	6.81	33.998	6.78	26.659	5.727	0.16	4.55
300	6.59	34.007	6.56	26.696	6.076	0.15	4.55
350	6.25	34.030	6.22	26.758	6.755	0.15	4.55
400	5.95	34.052	5.91	26.814	7.406	0.15	4.55
450	5.82	34.068	5.78	26.844	8.040	0.15	4.54
500	5.54	34.095	5.50	26.899	8.657	0.15	4.55
600	5.03	34.160	4.99	27.011	9.810	0.15	4.56
800	4.49	34.272	4.43	27.162	11.876	0.15	4.55
1000	3.80	34.381	3.73	27.322	13.674	0.15	4.57
1008	3.77	34.387	3.70	27.329	13.741	0.16	4.57

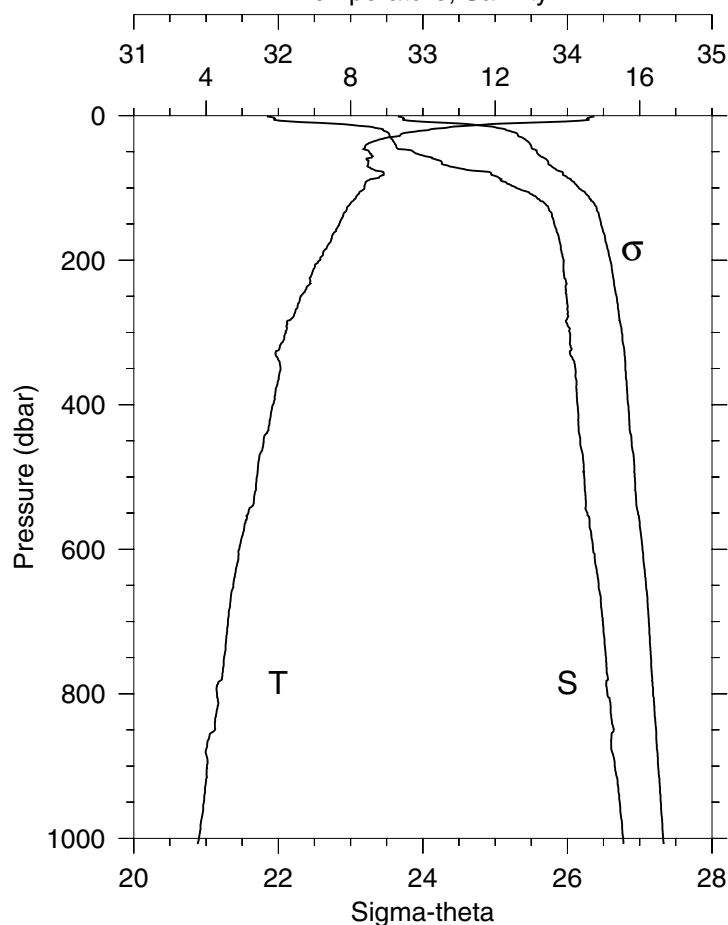
### Station 10 NH-55

Temperature, Salinity



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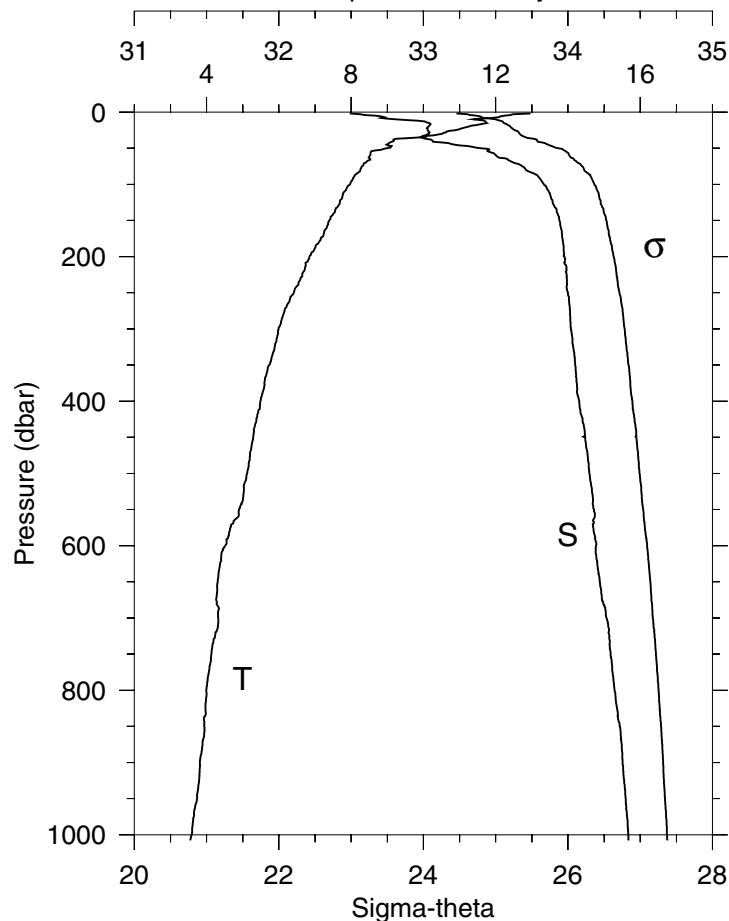
# Station 11 NH-65 Temperature, Salinity



STA: 11 NH-65 LAT: 44 39.1 N LONG: 125 36.1 W  
23 SEP 1999 1530 GMT DEPTH 2864

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	14.74	31.920	14.74	23.654	0.042	0.57	4.39
10	12.78	32.288	12.78	24.336	0.408	0.83	4.34
20	10.16	32.723	10.16	25.148	0.715	0.53	4.49
30	9.06	32.774	9.06	25.366	0.984	0.38	4.53
40	8.44	32.810	8.44	25.489	1.237	0.25	4.55
50	8.51	32.934	8.51	25.577	1.483	0.23	4.54
60	8.44	33.077	8.43	25.700	1.719	0.23	4.54
70	8.47	33.182	8.46	25.778	1.945	0.22	4.53
80	8.92	33.472	8.91	25.936	2.160	0.23	4.53
90	8.47	33.540	8.46	26.059	2.362	0.17	4.55
100	8.38	33.646	8.37	26.155	2.552	0.14	4.56
110	8.19	33.761	8.18	26.275	2.733	0.15	4.55
120	8.02	33.836	8.00	26.359	2.905	0.15	4.55
130	7.89	33.873	7.88	26.407	3.070	0.14	4.55
140	7.78	33.894	7.77	26.439	3.231	0.14	4.55
150	7.69	33.910	7.67	26.466	3.390	0.14	4.55
175	7.44	33.946	7.42	26.530	3.777	0.14	4.56
200	7.15	33.974	7.13	26.592	4.150	0.15	4.55
225	6.86	33.980	6.84	26.637	4.512	0.15	4.56
250	6.61	33.993	6.59	26.681	4.865	0.15	4.56
275	6.44	34.002	6.41	26.711	5.209	0.15	4.56
300	6.21	34.017	6.18	26.753	5.544	0.15	4.56
350	6.06	34.056	6.03	26.803	6.194	0.15	4.53
400	5.85	34.070	5.82	26.841	6.829	0.15	4.55
450	5.59	34.089	5.56	26.887	7.447	0.15	4.55
500	5.40	34.116	5.36	26.932	8.041	0.15	4.52
600	4.91	34.178	4.87	27.039	9.174	0.15	4.55
800	4.30	34.276	4.24	27.185	11.191	0.15	4.57
1000	3.80	34.385	3.73	27.325	12.969	0.14	4.57
1008	3.77	34.389	3.69	27.331	13.035	0.15	4.57

# Station 12 NH-85 Temperature, Salinity



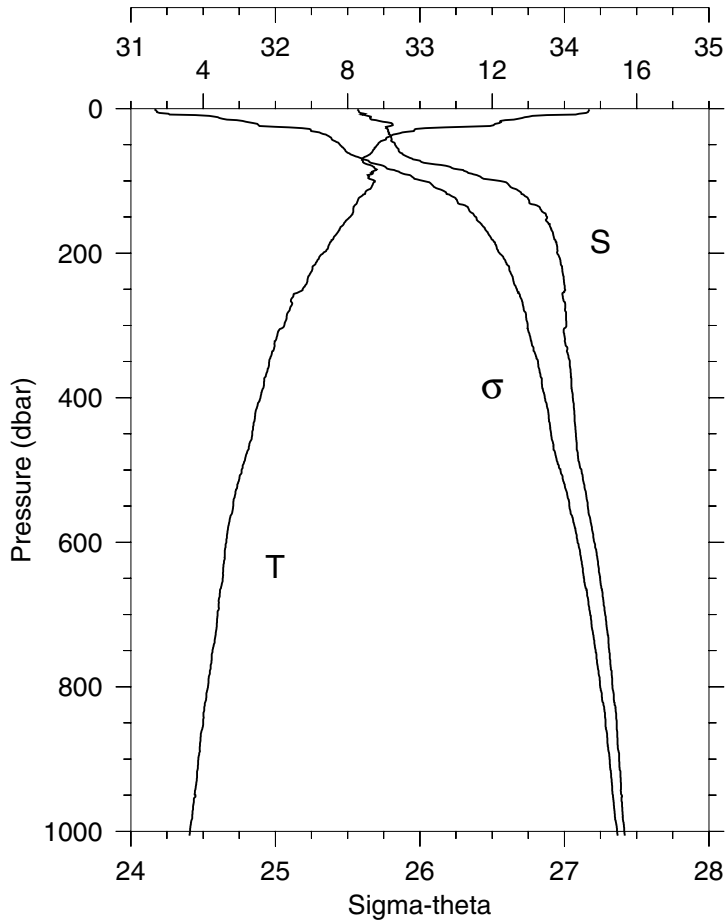
STA: 12 NH-85 LAT: 44 39.1 N LONG: 126 3.1 W  
23 SEP 1999 1845 GMT DEPTH 2883

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	12.97	32.490	12.96	24.457	0.069	0.42	4.44
10	11.39	32.810	11.39	25.002	0.324	0.50	4.46
20	11.26	33.037	11.26	25.202	0.608	0.54	4.48
30	10.52	33.038	10.52	25.332	0.878	0.38	4.53
40	9.18	33.064	9.18	25.575	1.131	0.33	4.54
50	9.00	33.388	9.00	25.857	1.358	0.26	4.54
60	8.52	33.502	8.52	26.020	1.561	0.20	4.55
70	8.40	33.627	8.39	26.138	1.755	0.15	4.56
80	8.25	33.710	8.25	26.225	1.938	0.15	4.56
90	8.07	33.798	8.07	26.320	2.113	0.16	4.55
100	7.97	33.833	7.96	26.364	2.281	0.15	4.55
110	7.82	33.867	7.81	26.412	2.446	0.16	4.55
120	7.74	33.885	7.73	26.438	2.607	0.15	4.55
130	7.64	33.906	7.63	26.470	2.765	0.15	4.55
140	7.52	33.926	7.51	26.502	2.921	0.15	4.55
150	7.40	33.940	7.38	26.531	3.074	0.15	4.55
175	7.16	33.963	7.14	26.582	3.448	0.15	4.55
200	6.84	33.975	6.83	26.635	3.810	0.15	4.56
225	6.65	33.990	6.63	26.674	4.162	0.15	4.56
250	6.41	34.000	6.39	26.713	4.506	0.15	4.56
275	6.16	34.014	6.13	26.756	4.839	0.15	4.56
300	5.99	34.021	5.97	26.784	5.166	0.15	4.57
350	5.73	34.050	5.70	26.839	5.802	0.15	4.57
400	5.49	34.078	5.46	26.891	6.414	0.14	4.57
450	5.29	34.119	5.25	26.947	7.002	0.15	4.57
500	5.12	34.148	5.08	26.991	7.569	0.15	4.56
600	4.52	34.194	4.47	27.095	8.640	0.15	4.57
800	3.99	34.322	3.93	27.254	10.538	0.15	4.57
1000	3.59	34.416	3.52	27.371	12.198	0.14	4.57
1008	3.55	34.418	3.47	27.376	12.260	0.15	4.57



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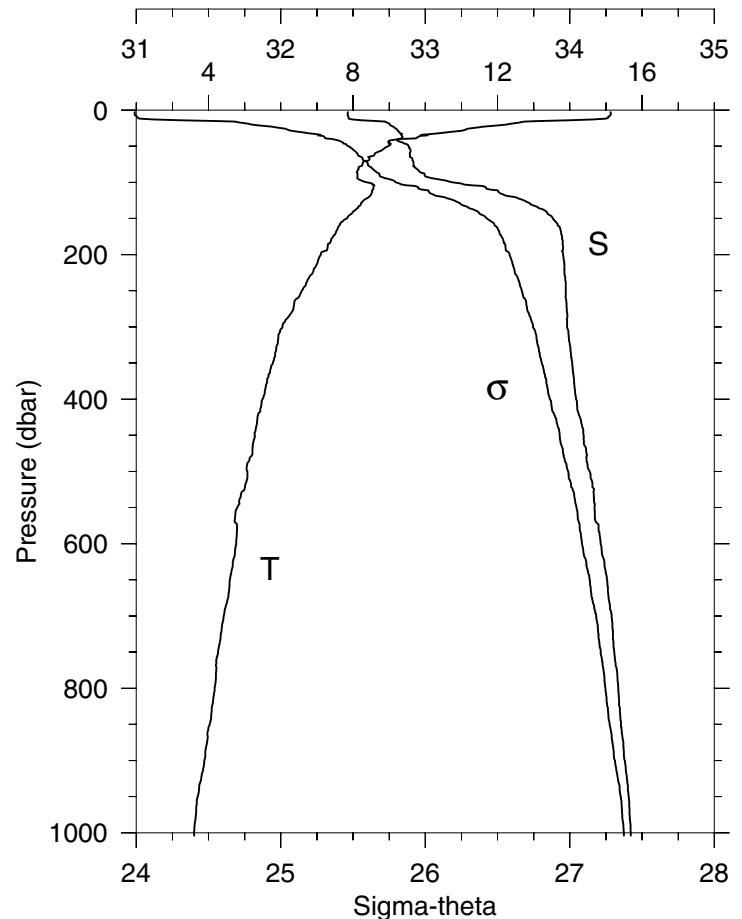
### Station 13 FM-9 Temperature, Salinity



STA: 13 FM-9 LAT: 43 13.1 N LONG: 125 10.1 W  
24 SEP 1999 0333 GMT DEPTH 1664

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	14.69	32.566	14.69	24.162	0.037	1.02	4.30
10	13.11	32.638	13.11	24.542	0.367	1.52	4.25
20	12.19	32.802	12.19	24.847	0.692	1.19	4.44
30	9.85	32.780	9.84	25.245	0.984	0.74	4.49
40	9.09	32.800	9.08	25.384	1.249	0.46	4.53
50	8.83	32.829	8.82	25.446	1.505	0.31	4.54
60	8.68	32.858	8.67	25.492	1.756	0.22	4.55
70	8.40	32.953	8.39	25.609	2.000	0.16	4.56
80	8.70	33.201	8.70	25.757	2.232	0.20	4.55
90	8.69	33.360	8.68	25.884	2.450	0.18	4.55
100	8.76	33.553	8.74	26.025	2.656	0.17	4.55
110	8.64	33.642	8.63	26.113	2.851	0.15	4.55
120	8.41	33.721	8.40	26.210	3.036	0.15	4.54
130	8.26	33.757	8.25	26.262	3.215	0.15	4.54
140	8.15	33.838	8.14	26.340	3.388	0.15	4.54
150	8.06	33.881	8.05	26.388	3.556	0.15	4.54
175	7.67	33.923	7.65	26.479	3.959	0.15	4.54
200	7.32	33.950	7.30	26.551	4.343	0.15	4.55
225	7.01	33.986	6.99	26.622	4.710	0.15	4.55
250	6.75	34.004	6.73	26.671	5.065	0.15	4.55
275	6.42	34.005	6.39	26.716	5.408	0.15	4.56
300	6.25	34.013	6.22	26.745	5.744	0.15	4.56
350	5.83	34.037	5.80	26.817	6.396	0.15	4.57
400	5.59	34.058	5.55	26.864	7.021	0.15	4.57
450	5.36	34.079	5.32	26.908	7.624	0.15	4.57
500	5.07	34.118	5.03	26.973	8.207	0.15	4.57
600	4.64	34.206	4.59	27.091	9.282	0.15	4.57
800	4.14	34.332	4.08	27.247	11.188	0.15	4.57
1000	3.64	34.414	3.56	27.364	12.862	0.15	4.57
1006	3.62	34.418	3.55	27.369	12.909	0.15	4.57

### Station 14 FM-8 Temperature, Salinity

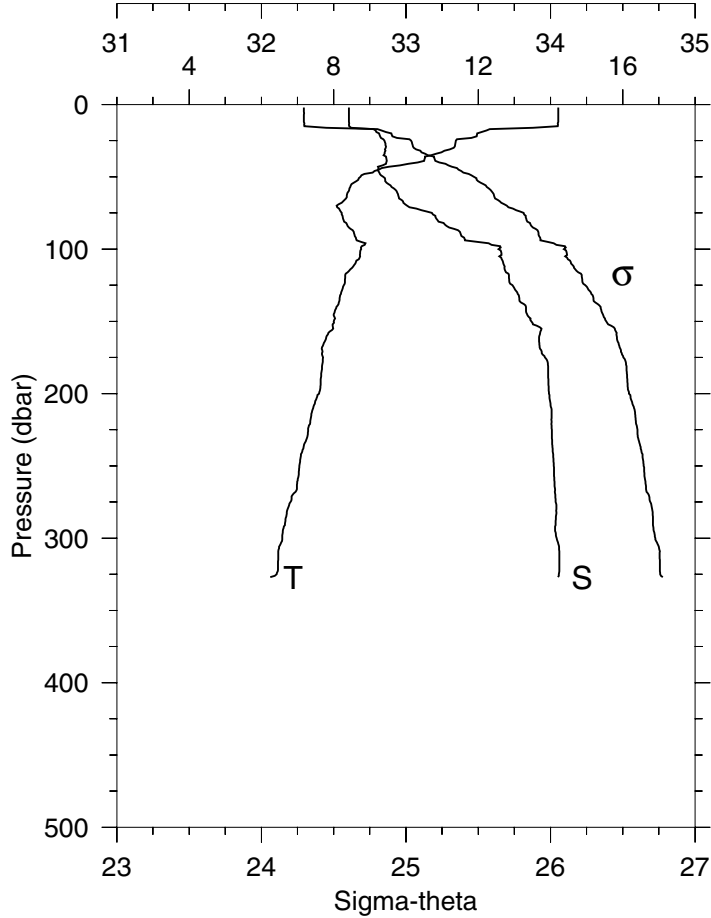


STA: 14 FM-8 LAT: 43 13.1 N LONG: 125 0.2 W  
24 SEP 1999 0601 GMT DEPTH 1084

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	15.12	32.464	15.12	23.993	0.078	0.49	4.41
10	15.07	32.469	15.07	24.008	0.391	0.52	4.40
20	12.26	32.754	12.26	24.797	0.740	1.11	4.43
30	10.74	32.815	10.74	25.121	1.037	1.04	4.48
40	9.35	32.815	9.35	25.353	1.308	0.47	4.54
50	8.97	32.884	8.97	25.467	1.563	0.28	4.56
60	8.61	32.893	8.60	25.530	1.811	0.19	4.56
70	8.40	32.913	8.40	25.577	2.054	0.16	4.56
80	8.15	32.932	8.14	25.629	2.293	0.15	4.56
90	8.12	32.997	8.11	25.685	2.526	0.12	4.57
100	8.39	33.190	8.38	25.796	2.753	0.13	4.56
110	8.55	33.450	8.54	25.975	2.964	0.13	4.56
120	8.44	33.608	8.43	26.117	3.162	0.13	4.57
130	8.22	33.726	8.21	26.243	3.346	0.14	4.56
140	8.02	33.835	8.00	26.359	3.519	0.14	4.57
150	7.83	33.886	7.82	26.426	3.684	0.14	4.57
175	7.45	33.946	7.44	26.528	4.074	0.14	4.57
200	7.11	33.954	7.09	26.583	4.450	0.14	4.56
225	6.89	33.963	6.87	26.620	4.814	0.14	4.57
250	6.59	33.973	6.56	26.668	5.169	0.14	4.57
275	6.35	33.979	6.32	26.704	5.514	0.15	4.57
300	6.05	33.982	6.02	26.746	5.851	0.14	4.57
350	5.78	34.017	5.76	26.806	6.501	0.14	4.57
400	5.49	34.044	5.46	26.864	7.127	0.15	4.57
450	5.28	34.095	5.24	26.930	7.726	0.15	4.57
500	5.07	34.139	5.03	26.989	8.299	0.15	4.57
600	4.76	34.214	4.72	27.084	9.369	0.15	4.56
800	4.17	34.336	4.11	27.247	11.279	0.15	4.56
1000	3.60	34.422	3.53	27.374	12.947	0.15	4.55
1005	3.60	34.422	3.52	27.375	12.986	0.15	4.55

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### Station 15 FM-7 Temperature, Salinity

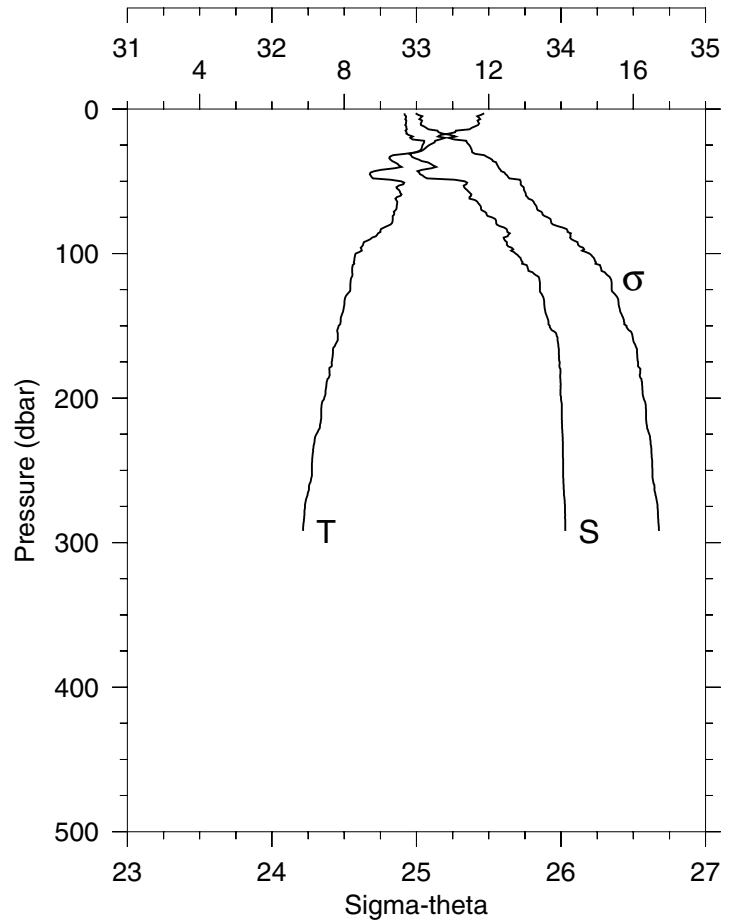
 STA: 15 FM-7 LAT: 43 13.1 N LONG: 124 50.2 W  
 24 SEP 1999 0912 GMT DEPTH 338


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	14.22	32.605	14.22	24.293	0.072	0.88	4.38
10	14.22	32.605	14.21	24.293	0.362	0.93	4.38
20	11.97	32.814	11.97	24.899	0.705	1.05	4.43
30	11.32	32.860	11.32	25.053	1.001	0.75	4.48
40	10.33	32.864	10.32	25.231	1.282	0.49	4.53
50	8.74	32.844	8.73	25.471	1.543	0.29	4.56
60	8.41	32.935	8.41	25.592	1.788	0.16	4.56
70	8.08	33.007	8.07	25.698	2.024	0.12	4.57
80	8.27	33.217	8.26	25.835	2.245	0.13	4.56
90	8.57	33.380	8.56	25.917	2.457	0.14	4.56
100	8.76	33.640	8.75	26.092	2.659	0.14	4.55
110	8.60	33.673	8.59	26.143	2.850	0.14	4.56
120	8.32	33.712	8.30	26.218	3.034	0.14	4.56
130	8.21	33.769	8.19	26.279	3.213	0.14	4.56
140	8.07	33.831	8.06	26.347	3.386	0.15	4.55
150	8.00	33.867	7.99	26.386	3.554	0.15	4.55
175	7.70	33.961	7.69	26.504	3.951	0.15	4.55
200	7.59	33.989	7.57	26.543	4.333	0.15	4.55
225	7.29	34.009	7.27	26.601	4.704	0.15	4.54
250	7.05	34.023	7.03	26.645	5.065	0.14	4.53
275	6.80	34.036	6.78	26.690	5.418	0.15	4.51
300	6.58	34.042	6.55	26.725	5.759	0.15	4.52
327	6.24	34.052	6.21	26.777	6.118	0.15	4.43

 STA: 16 FM-6 LAT: 43 13.1 N LONG: 124 45.0 W  
 24 SEP 1999 1125 GMT DEPTH 312

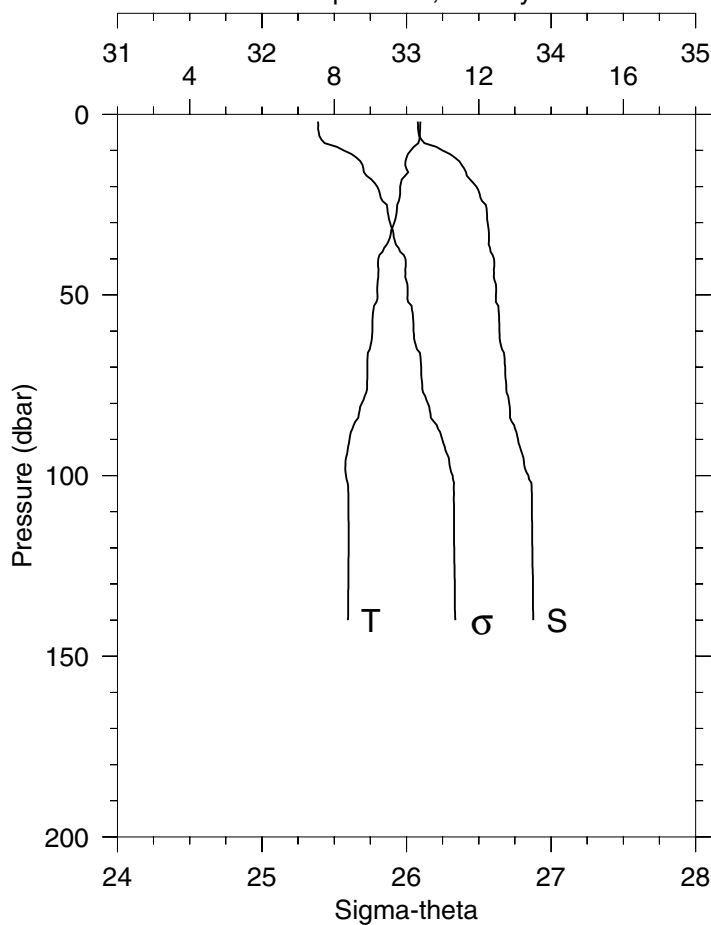
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
3	11.87	32.917	11.87	24.995	0.089	0.83	4.40
10	11.73	32.927	11.73	25.030	0.293	0.85	4.40
20	10.79	32.957	10.78	25.223	0.576	0.74	4.43
30	10.01	32.995	10.01	25.385	0.838	0.65	4.47
40	9.59	33.137	9.58	25.567	1.085	0.46	4.49
50	9.58	33.333	9.57	25.721	1.321	0.37	4.50
60	9.57	33.378	9.56	25.759	1.547	0.46	4.48
70	9.42	33.450	9.41	25.839	1.766	0.42	4.48
80	9.28	33.555	9.27	25.944	1.977	0.43	4.48
90	8.73	33.607	8.72	26.072	2.174	0.25	4.51
100	8.32	33.687	8.31	26.197	2.363	0.16	4.56
110	8.22	33.770	8.21	26.277	2.542	0.17	4.55
120	8.17	33.854	8.16	26.350	2.714	0.18	4.48
130	8.04	33.876	8.03	26.387	2.882	0.17	4.45
140	7.97	33.891	7.95	26.410	3.046	0.17	4.44
150	7.84	33.922	7.83	26.453	3.207	0.16	4.44
175	7.65	33.990	7.64	26.534	3.594	0.14	4.54
200	7.45	34.000	7.43	26.571	3.969	0.15	4.54
225	7.23	34.011	7.21	26.611	4.337	0.15	4.53
250	7.10	34.015	7.08	26.632	4.698	0.15	4.48
275	6.91	34.027	6.89	26.667	5.054	0.15	4.41
292	6.86	34.030	6.84	26.678	5.293	0.15	4.28

### Station 16 FM-6 Temperature, Salinity



W9909C

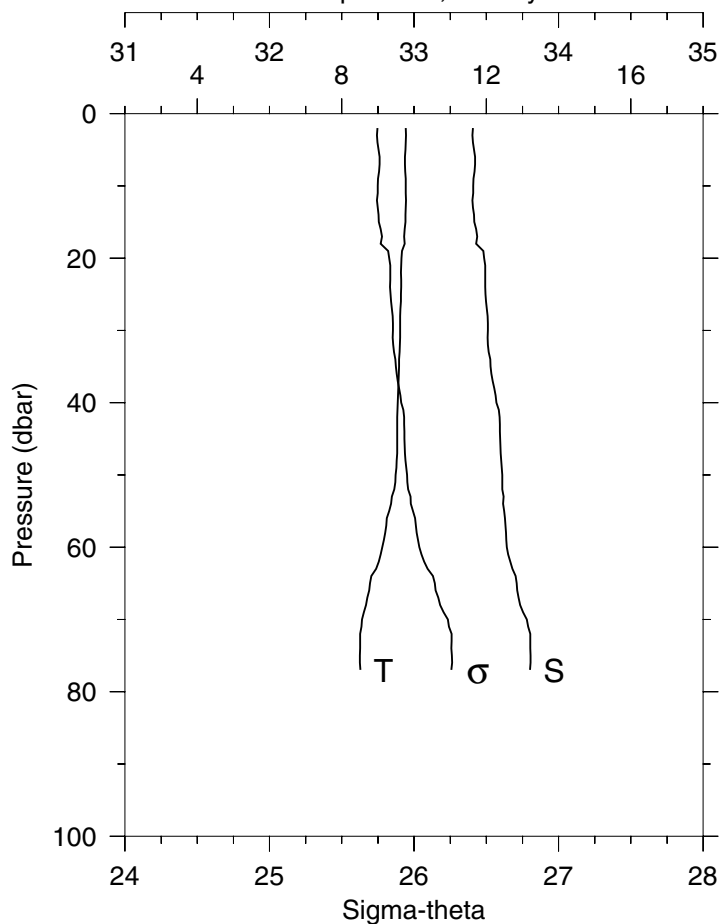
### Station 17 FM-5 Temperature, Salinity



STA: 17 FM-5 LAT: 43 13.1 N LONG: 124 40.0 W  
24 SEP 1999 1223 GMT DEPTH 152

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.38	33.078	10.38	25.387	0.052	0.57	4.44
10	10.12	33.248	10.12	25.565	0.255	0.63	4.41
20	9.83	33.484	9.82	25.798	0.484	0.73	4.35
30	9.66	33.561	9.65	25.886	0.698	0.79	4.34
40	9.22	33.605	9.21	25.993	0.906	0.55	4.43
50	9.19	33.619	9.19	26.007	1.106	0.50	4.45
60	9.05	33.643	9.05	26.048	1.304	0.46	4.47
70	8.91	33.682	8.91	26.101	1.497	0.34	4.49
80	8.76	33.711	8.75	26.148	1.688	0.34	4.49
90	8.42	33.771	8.41	26.247	1.871	0.22	4.49
100	8.33	33.844	8.32	26.319	2.045	0.19	4.43
110	8.39	33.868	8.38	26.328	2.216	0.21	4.32
120	8.40	33.871	8.39	26.330	2.386	0.20	4.32
130	8.39	33.875	8.38	26.334	2.557	0.20	4.31
140	8.38	33.876	8.36	26.337	2.727	0.19	4.30

### Station 18 FM-4 Temperature, Salinity

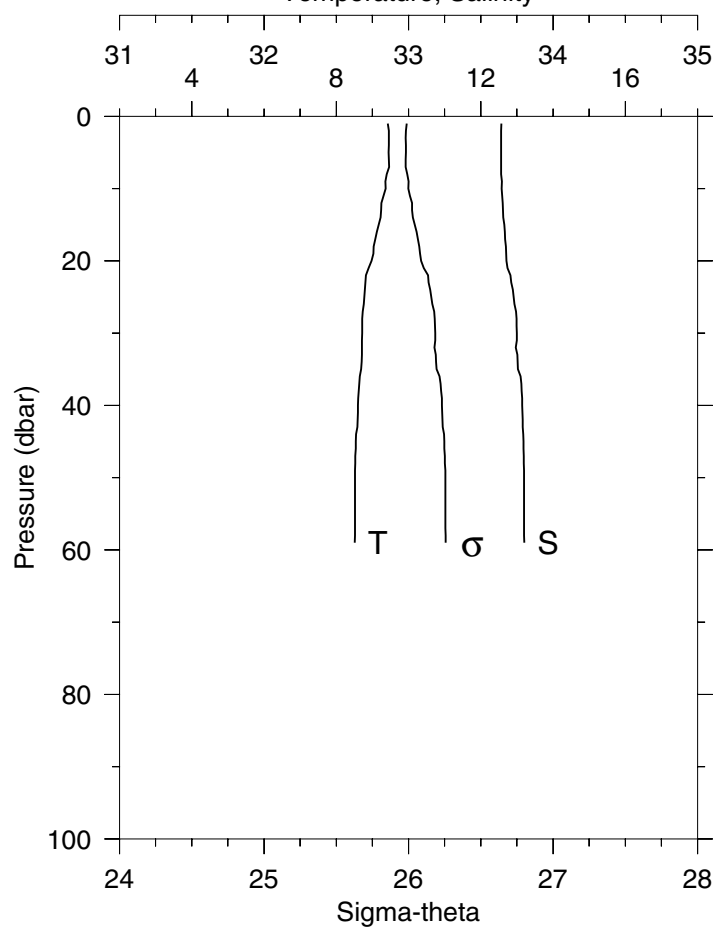


STA: 18 FM-4 LAT: 43 13.1 N LONG: 124 35.0 W  
24 SEP 1999 1407 GMT DEPTH 83

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.77	33.408	9.77	25.747	0.045	0.66	4.39
10	9.77	33.409	9.77	25.748	0.223	0.74	4.38
20	9.65	33.485	9.65	25.828	0.445	0.71	4.36
30	9.61	33.510	9.61	25.854	0.661	0.68	4.35
40	9.55	33.570	9.55	25.911	0.873	0.70	4.33
50	9.49	33.610	9.49	25.952	1.080	0.71	4.32
60	9.12	33.642	9.12	26.037	1.281	0.58	4.40
70	8.56	33.780	8.55	26.234	1.470	0.34	4.44
77	8.51	33.803	8.51	26.258	1.593	0.25	4.41

W9909C

### Station 19 FM-3 Temperature, Salinity



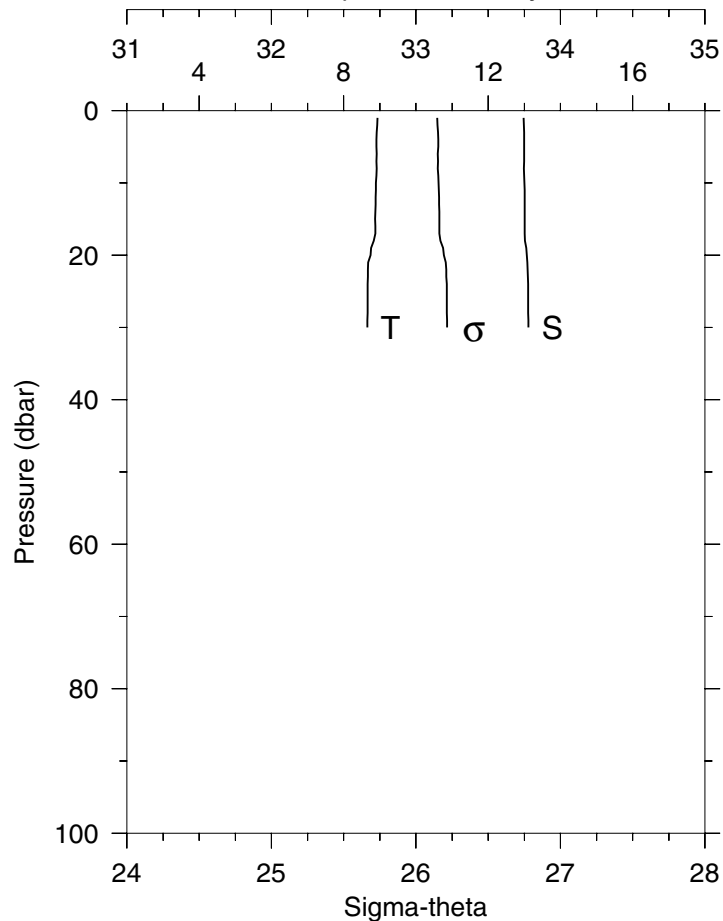
STA: 19 FM-3 LAT: 43 13.1 N LONG: 124 30.0 W  
24 SEP 1999 1513 GMT DEPTH 65

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.43	33.642	9.43	25.987	0.020	1.08	4.24
10	9.37	33.644	9.36	25.998	0.201	1.24	4.22
20	8.98	33.678	8.98	26.087	0.397	0.72	4.39
30	8.72	33.749	8.71	26.184	0.583	0.41	4.39
40	8.60	33.787	8.60	26.231	0.764	0.40	4.37
50	8.51	33.799	8.51	26.255	0.941	0.34	4.36
59	8.51	33.801	8.51	26.256	1.100	0.36	4.05

STA: 20 FM-1 LAT: 43 13.1 N LONG: 124 26.0 W  
24 SEP 1999 1612 GMT DEPTH 35

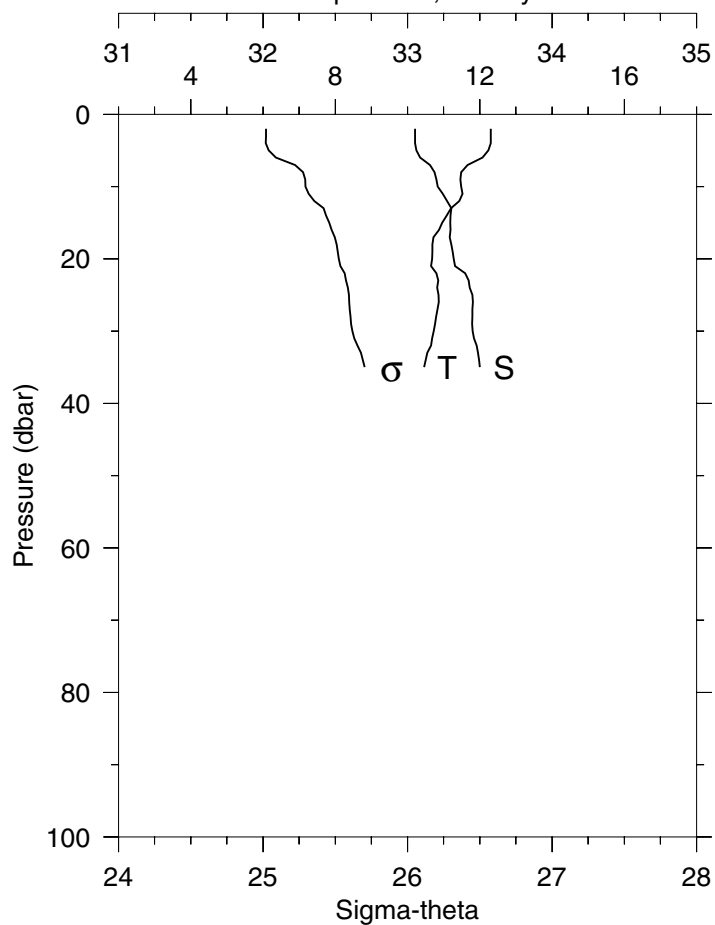
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	8.94	33.746	8.94	26.147	0.019	1.10	4.19
10	8.90	33.751	8.89	26.157	0.185	1.63	4.19
20	8.75	33.767	8.74	26.193	0.370	0.74	4.28
30	8.65	33.778	8.65	26.216	0.550	0.55	4.29

### Station 20 FM-1 Temperature, Salinity



W9909C

### Station 21 CR-1 Temperature, Salinity



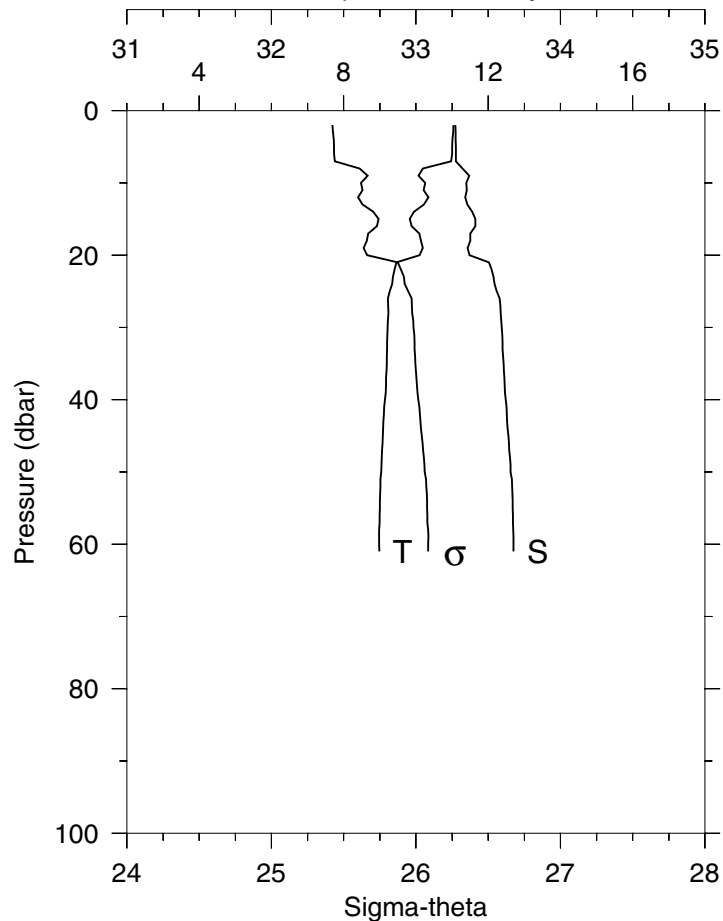
STA: 21 CR-1 LAT: 41 54.1 N LONG: 124 18.0 W  
24 SEP 1999 2330 GMT DEPTH 39

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	12.30	33.052	12.30	25.020	0.059	5.00	3.44
10	11.48	33.208	11.48	25.294	0.284	4.15	3.95
20	10.68	33.319	10.68	25.524	0.537	0.89	4.30
30	10.73	33.450	10.72	25.618	0.777	0.68	4.18
35	10.46	33.501	10.45	25.704	0.893	0.62	3.82

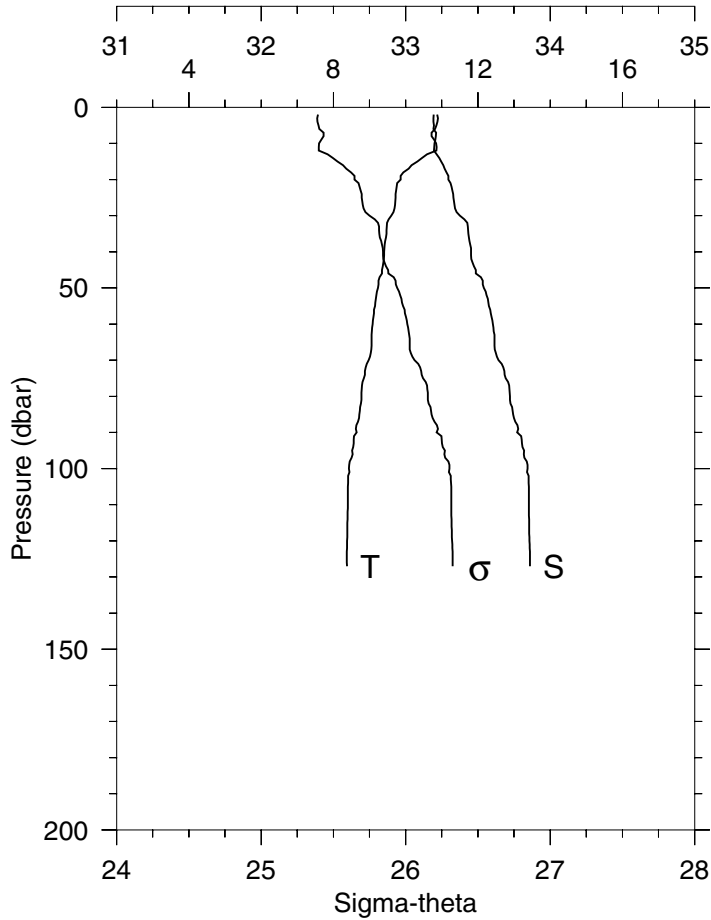
STA: 22 CR-2 LAT: 41 54.1 N LONG: 124 24.1 W  
25 SEP 1999 0037 GMT DEPTH 67

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.04	33.272	11.04	25.423	0.051	1.47	4.14
10	10.26	33.349	10.26	25.620	0.249	1.12	4.29
20	10.10	33.370	10.10	25.663	0.481	1.08	4.26
30	9.22	33.594	9.21	25.984	0.688	0.36	4.26
40	9.15	33.621	9.14	26.016	0.889	0.33	4.14
50	9.04	33.655	9.04	26.060	1.085	0.28	3.99
60	8.98	33.676	8.98	26.085	1.279	0.28	3.32
61	8.99	33.676	8.98	26.085	1.298	0.28	3.23

### Station 22 CR-2 Temperature, Salinity



### Station 23 CR-3 Temperature, Salinity



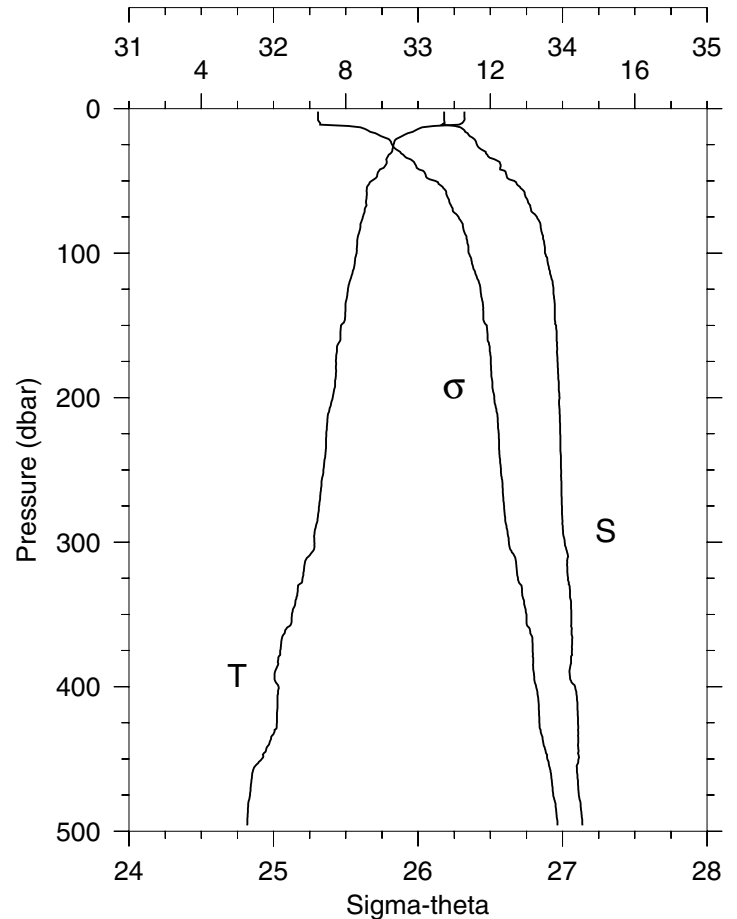
STA: 23 CR-3 LAT: 41 54.0 N LONG: 124 30.0 W  
25 SEP 1999 0145 GMT DEPTH 134

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.87	33.194	10.87	25.393	0.051	1.34	4.26
10	10.84	33.199	10.84	25.401	0.256	1.32	4.26
20	9.86	33.296	9.86	25.646	0.502	1.11	4.34
30	9.60	33.375	9.60	25.750	0.731	0.78	4.43
40	9.40	33.453	9.40	25.843	0.949	0.54	4.50
50	9.23	33.541	9.23	25.941	1.160	0.41	4.52
60	9.08	33.603	9.08	26.012	1.363	0.33	4.52
70	8.98	33.643	8.97	26.061	1.561	0.29	4.52
80	8.77	33.721	8.77	26.154	1.751	0.20	4.51
90	8.64	33.772	8.63	26.214	1.934	0.17	4.50
100	8.43	33.844	8.42	26.303	2.110	0.16	4.37
110	8.40	33.853	8.39	26.315	2.282	0.16	4.29
120	8.38	33.857	8.37	26.321	2.454	0.16	4.24
127	8.37	33.860	8.36	26.325	2.574	0.16	4.22

STA: 24 CR-4 LAT: 41 54.0 N LONG: 124 36.1 W  
25 SEP 1999 0300 GMT DEPTH 505

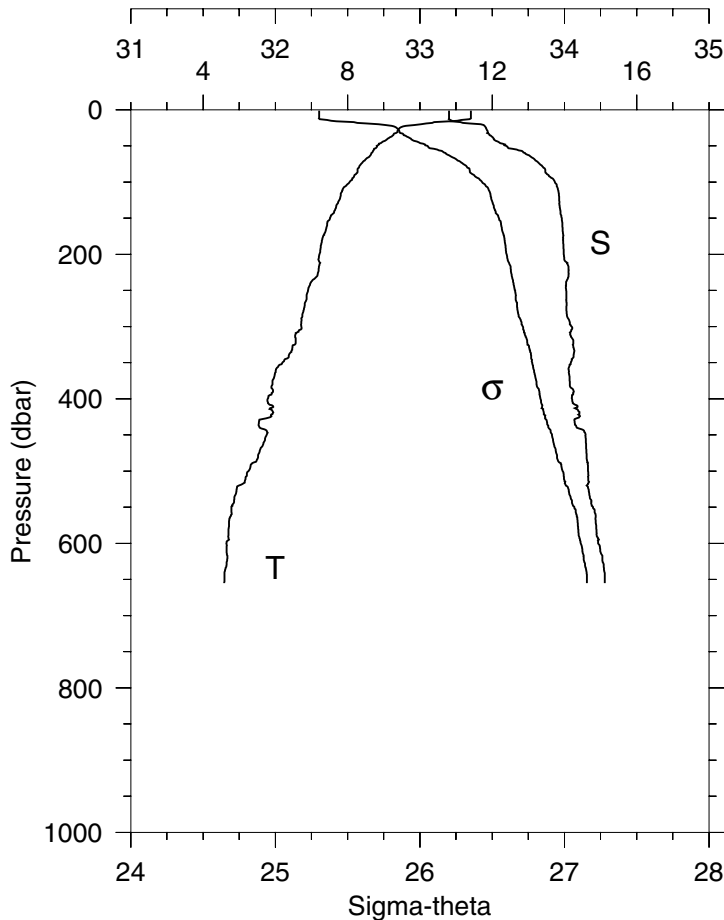
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.28	33.180	11.28	25.308	0.053	1.66	4.20
10	11.23	33.184	11.23	25.322	0.265	1.75	4.21
20	9.49	33.374	9.48	25.768	0.502	0.74	4.47
30	9.27	33.468	9.27	25.876	0.719	0.38	4.54
40	9.08	33.572	9.07	25.989	0.925	0.22	4.56
50	8.72	33.666	8.71	26.119	1.122	0.18	4.56
60	8.58	33.742	8.57	26.200	1.306	0.14	4.56
70	8.53	33.782	8.52	26.240	1.486	0.14	4.56
80	8.41	33.847	8.40	26.309	1.661	0.15	4.55
90	8.33	33.866	8.32	26.336	1.832	0.15	4.56
100	8.30	33.879	8.29	26.350	2.001	0.14	4.56
110	8.23	33.905	8.22	26.381	2.167	0.14	4.56
120	8.10	33.931	8.09	26.421	2.331	0.14	4.54
130	8.04	33.940	8.02	26.438	2.492	0.14	4.51
140	7.99	33.947	7.97	26.451	2.652	0.14	4.51
150	7.87	33.955	7.86	26.475	2.811	0.14	4.50
175	7.73	33.965	7.71	26.504	3.201	0.14	4.49
200	7.64	33.979	7.62	26.527	3.587	0.14	4.51
225	7.46	33.984	7.44	26.558	3.965	0.15	4.47
250	7.38	33.990	7.36	26.573	4.341	0.15	4.49
275	7.26	33.996	7.23	26.596	4.712	0.14	4.48
300	7.13	34.015	7.10	26.629	5.078	0.15	4.52
350	6.51	34.061	6.48	26.750	5.772	0.14	4.53
400	6.14	34.087	6.10	26.818	6.423	0.15	4.53
450	5.68	34.111	5.64	26.895	7.048	0.15	4.41
496	5.27	34.138	5.23	26.965	7.585	0.15	4.37

### Station 24 CR-4 Temperature, Salinity



W9909C

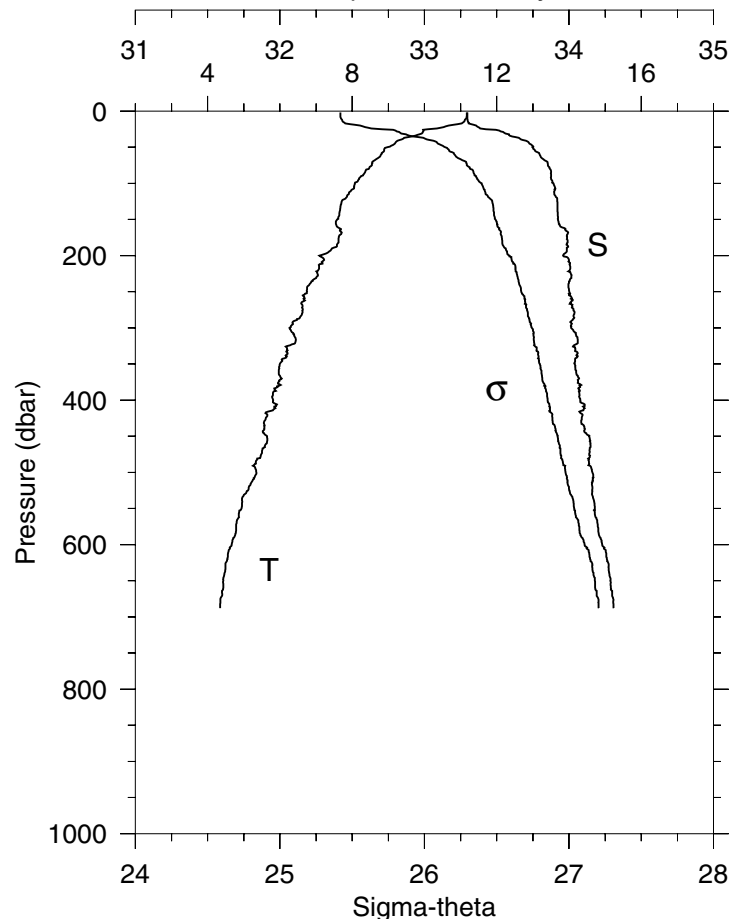
### Station 25 CR-5 Temperature, Salinity



STA: 25 CR-5 LAT: 41 54.1 N LONG: 124 42.0 W  
25 SEP 1999 0504 GMT DEPTH 657

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.41	33.202	11.41	25.302	0.027	1.51	4.22
10	11.41	33.202	11.41	25.302	0.266	1.57	4.22
20	10.03	33.421	10.03	25.715	0.520	0.97	4.42
30	9.38	33.469	9.38	25.859	0.737	0.57	4.50
40	9.11	33.512	9.10	25.937	0.947	0.43	4.52
50	8.81	33.597	8.80	26.052	1.149	0.22	4.55
60	8.65	33.728	8.65	26.177	1.339	0.15	4.56
70	8.47	33.799	8.47	26.261	1.519	0.14	4.56
80	8.31	33.854	8.30	26.329	1.692	0.14	4.56
90	8.20	33.888	8.19	26.373	1.860	0.14	4.56
100	8.05	33.934	8.04	26.431	2.023	0.14	4.56
110	7.86	33.955	7.85	26.475	2.181	0.14	4.50
120	7.80	33.963	7.79	26.490	2.337	0.15	4.46
130	7.72	33.964	7.71	26.503	2.492	0.15	4.47
140	7.63	33.972	7.62	26.522	2.645	0.15	4.49
150	7.51	33.981	7.50	26.547	2.797	0.15	4.50
175	7.32	33.991	7.31	26.582	3.169	0.15	4.51
200	7.22	33.995	7.20	26.599	3.535	0.15	4.51
225	7.18	34.027	7.16	26.631	3.897	0.15	4.53
250	6.90	34.012	6.88	26.658	4.253	0.14	4.52
275	6.79	34.014	6.77	26.674	4.604	0.15	4.53
300	6.72	34.050	6.69	26.712	4.951	0.15	4.51
350	6.19	34.045	6.16	26.777	5.619	0.15	4.55
400	5.78	34.052	5.75	26.834	6.260	0.15	4.56
450	5.76	34.146	5.72	26.913	6.875	0.15	4.49
500	5.25	34.162	5.21	26.987	7.455	0.15	4.47
600	4.65	34.233	4.60	27.113	8.510	0.15	4.56
655	4.59	34.279	4.54	27.156	9.051	0.16	4.42

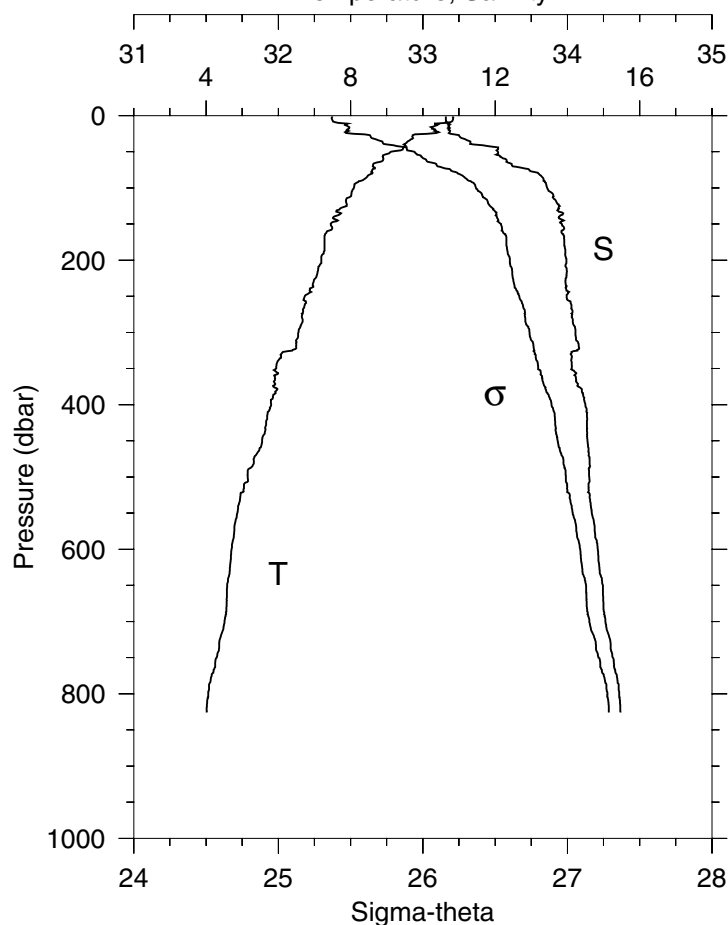
### Station 26 CR-6 Temperature, Salinity



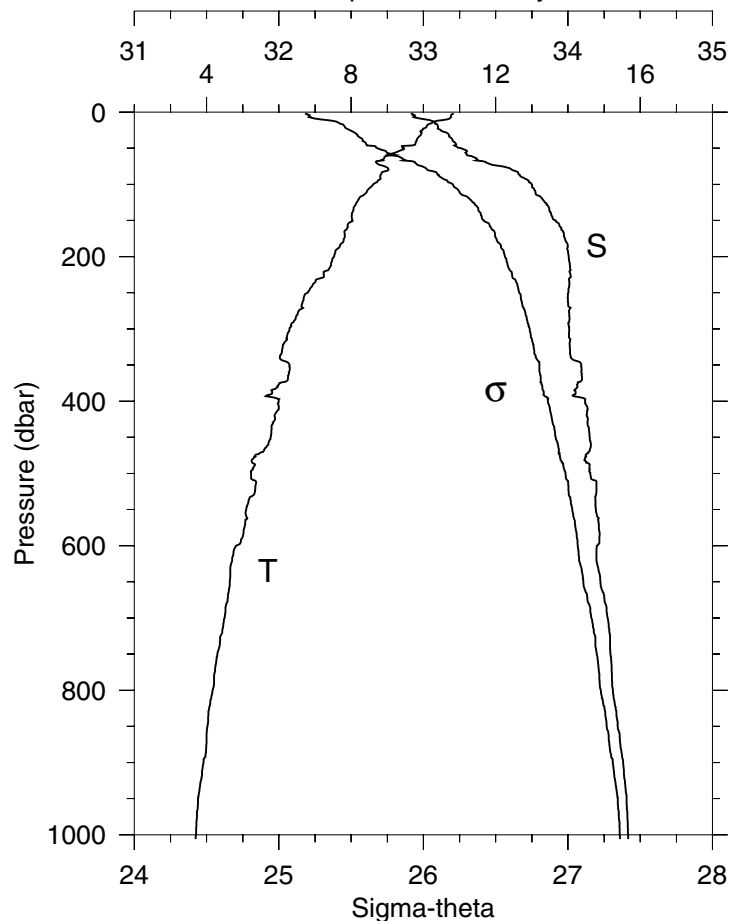
STA: 26 CR-6 LAT: 41 54.0 N LONG: 124 48.0 W  
25 SEP 1999 0726 GMT DEPTH 696

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.17	33.296	11.17	25.418	0.051	1.27	4.29
10	11.15	33.296	11.15	25.422	0.255	1.35	4.29
20	10.67	33.357	10.67	25.555	0.507	1.20	4.32
30	9.94	33.551	9.94	25.831	0.735	0.99	4.40
40	9.32	33.678	9.31	26.033	0.942	0.56	4.46
50	8.98	33.747	8.98	26.142	1.134	0.36	4.48
60	8.81	33.797	8.80	26.207	1.318	0.25	4.47
70	8.56	33.850	8.55	26.288	1.496	0.18	4.50
80	8.46	33.868	8.45	26.317	1.668	0.16	4.51
90	8.24	33.877	8.24	26.357	1.837	0.14	4.54
100	8.07	33.893	8.06	26.396	2.004	0.15	4.54
110	7.97	33.901	7.96	26.417	2.167	0.14	4.54
120	7.83	33.916	7.82	26.449	2.328	0.15	4.55
130	7.68	33.921	7.67	26.474	2.485	0.15	4.55
140	7.65	33.922	7.64	26.481	2.642	0.15	4.55
150	7.59	33.924	7.57	26.491	2.798	0.15	4.56
175	7.63	33.987	7.61	26.535	3.182	0.15	4.53
200	7.09	33.960	7.08	26.589	3.558	0.15	4.56
225	7.04	34.013	7.02	26.639	3.919	0.15	4.54
250	6.75	34.001	6.73	26.669	4.272	0.16	4.55
275	6.63	34.032	6.61	26.710	4.616	0.14	4.55
300	6.27	34.015	6.24	26.744	4.954	0.15	4.56
350	6.00	34.040	5.97	26.798	5.610	0.15	4.56
400	5.81	34.079	5.78	26.853	6.242	0.15	4.56
450	5.65	34.139	5.61	26.921	6.848	0.15	4.55
500	5.35	34.163	5.31	26.976	7.427	0.15	4.55
600	4.66	34.230	4.62	27.108	8.502	0.15	4.53
688	4.34	34.309	4.29	27.206	9.342	0.15	4.50

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Station 27 CR-7  
Temperature, Salinity
 STA: 27 CR-7 LAT: 41 54.0 N LONG: 125 0.1 W  
 25 SEP 1999 0906 GMT DEPTH 836

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.82	33.159	10.82	25.375	0.026	0.77	4.40
10	10.64	33.167	10.64	25.413	0.259	0.88	4.40
20	10.35	33.180	10.35	25.473	0.509	0.92	4.40
30	9.71	33.259	9.71	25.641	0.752	0.85	4.45
40	9.47	33.350	9.46	25.753	0.981	0.69	4.48
50	9.12	33.518	9.12	25.940	1.194	0.30	4.51
60	8.91	33.570	8.90	26.014	1.398	0.25	4.52
70	8.61	33.622	8.60	26.101	1.593	0.18	4.55
80	8.60	33.799	8.59	26.242	1.777	0.16	4.55
90	8.29	33.835	8.28	26.317	1.951	0.14	4.55
100	8.09	33.860	8.08	26.367	2.119	0.14	4.55
110	8.02	33.902	8.01	26.410	2.283	0.14	4.55
120	7.88	33.925	7.87	26.450	2.444	0.14	4.55
130	7.69	33.935	7.68	26.485	2.602	0.14	4.55
140	7.54	33.941	7.52	26.512	2.756	0.14	4.55
150	7.45	33.961	7.44	26.540	2.908	0.15	4.55
175	7.28	33.978	7.26	26.578	3.281	0.15	4.55
200	7.19	33.992	7.17	26.601	3.649	0.15	4.55
225	7.02	33.988	7.00	26.622	4.011	0.15	4.55
250	6.73	33.995	6.71	26.666	4.368	0.15	4.56
275	6.66	34.033	6.64	26.706	4.713	0.14	4.55
300	6.55	34.055	6.53	26.738	5.053	0.15	4.53
350	5.94	34.030	5.91	26.797	5.709	0.15	4.56
400	5.80	34.124	5.76	26.890	6.331	0.15	4.54
450	5.55	34.139	5.52	26.932	6.923	0.15	4.54
500	5.15	34.151	5.11	26.989	7.493	0.14	4.56
600	4.70	34.211	4.66	27.088	8.568	0.15	4.57
800	4.06	34.359	4.00	27.277	10.489	0.15	4.53
826	4.02	34.367	3.95	27.287	10.712	0.15	4.53

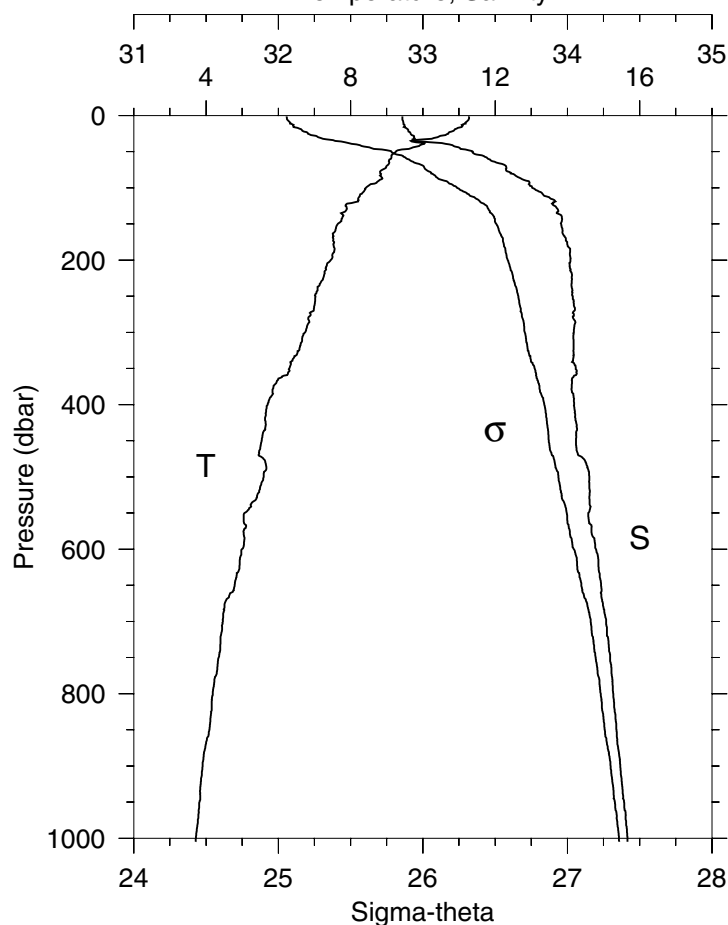
Station 28 CR-8  
Temperature, Salinity
 STA: 28 CR-8 LAT: 41 54.0 N LONG: 125 12.1 W  
 25 SEP 1999 1141 GMT DEPTH 2713

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.84	32.914	10.84	25.180	0.056	0.55	4.47
10	10.66	33.009	10.66	25.286	0.275	0.40	4.51
20	10.09	33.101	10.09	25.455	0.531	0.50	4.50
30	9.94	33.172	9.94	25.536	0.780	0.32	4.54
40	9.81	33.202	9.81	25.580	1.022	0.26	4.54
50	9.46	33.258	9.46	25.681	1.258	0.25	4.55
60	9.09	33.303	9.08	25.777	1.484	0.18	4.56
70	8.70	33.438	8.69	25.943	1.698	0.14	4.56
80	9.03	33.615	9.02	26.030	1.900	0.16	4.55
90	8.80	33.680	8.79	26.118	2.093	0.15	4.55
100	8.60	33.751	8.59	26.204	2.279	0.14	4.55
110	8.44	33.774	8.42	26.248	2.459	0.14	4.55
120	8.22	33.822	8.20	26.319	2.635	0.14	4.55
130	8.10	33.863	8.08	26.369	2.804	0.14	4.55
140	8.02	33.883	8.01	26.396	2.970	0.15	4.55
150	8.04	33.915	8.03	26.418	3.134	0.14	4.55
175	7.80	33.978	7.79	26.503	3.528	0.15	4.55
200	7.53	34.005	7.51	26.565	3.908	0.14	4.54
225	7.25	34.018	7.23	26.615	4.276	0.15	4.55
250	6.80	34.003	6.78	26.663	4.632	0.15	4.55
275	6.55	34.008	6.53	26.701	4.980	0.14	4.55
300	6.29	34.009	6.27	26.736	5.319	0.15	4.56
350	6.29	34.092	6.26	26.802	5.978	0.15	4.53
400	6.00	34.118	5.96	26.861	6.613	0.15	4.55
450	5.77	34.151	5.73	26.915	7.218	0.15	4.55
500	5.23	34.154	5.19	26.983	7.797	0.15	4.56
600	4.81	34.200	4.76	27.068	8.882	0.15	4.56
800	4.17	34.311	4.11	27.227	10.831	0.15	4.57
1000	3.71	34.416	3.64	27.358	12.516	0.15	4.56
1006	3.70	34.417	3.63	27.360	12.563	0.15	4.56



W9909C

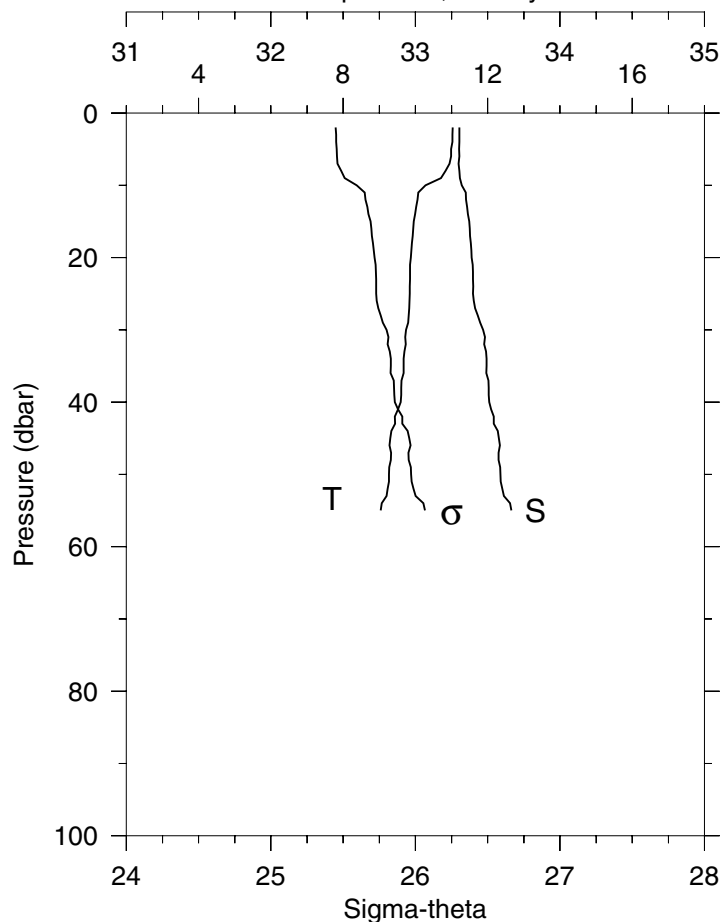
### Station 29 CR-9 Temperature, Salinity



STA: 29 CR-9 LAT: 41 54.0 N LONG: 125 19.9 W  
25 SEP 1999 1313 GMT DEPTH 3098

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.28	32.858	11.28	25.057	0.029	0.68	4.46
10	11.18	32.866	11.18	25.083	0.289	0.62	4.47
20	10.87	32.898	10.87	25.163	0.573	0.61	4.46
30	10.40	32.938	10.40	25.275	0.848	0.47	4.52
40	9.97	33.183	9.96	25.540	1.105	0.24	4.56
50	9.26	33.345	9.25	25.782	1.338	0.17	4.56
60	9.11	33.451	9.11	25.889	1.555	0.17	4.56
70	8.99	33.575	8.98	26.005	1.761	0.17	4.55
80	8.82	33.608	8.81	26.058	1.959	0.16	4.55
90	8.78	33.714	8.77	26.147	2.151	0.15	4.55
100	8.42	33.757	8.41	26.237	2.334	0.14	4.56
110	8.26	33.834	8.25	26.321	2.509	0.14	4.56
120	8.11	33.903	8.10	26.399	2.676	0.14	4.55
130	7.89	33.933	7.88	26.454	2.837	0.14	4.55
140	7.78	33.961	7.77	26.492	2.994	0.14	4.54
150	7.64	33.956	7.63	26.508	3.149	0.14	4.55
175	7.54	33.998	7.52	26.556	3.528	0.15	4.53
200	7.45	34.020	7.43	26.587	3.900	0.15	4.53
225	7.24	34.030	7.22	26.624	4.263	0.14	4.53
250	7.03	34.038	7.00	26.660	4.620	0.15	4.53
275	6.90	34.045	6.87	26.684	4.970	0.15	4.53
300	6.74	34.045	6.72	26.705	5.315	0.15	4.53
350	6.30	34.057	6.27	26.773	5.990	0.15	4.55
400	5.70	34.046	5.67	26.840	6.632	0.15	4.56
450	5.54	34.060	5.50	26.872	7.250	0.15	4.57
500	5.59	34.151	5.55	26.938	7.850	0.15	4.56
600	4.99	34.197	4.95	27.045	8.974	0.15	4.55
800	4.18	34.317	4.12	27.230	10.937	0.15	4.57
1000	3.72	34.415	3.64	27.357	12.641	0.15	4.55
1005	3.71	34.415	3.63	27.358	12.681	0.15	4.56

### Station 30 EU-1 Temperature, Salinity



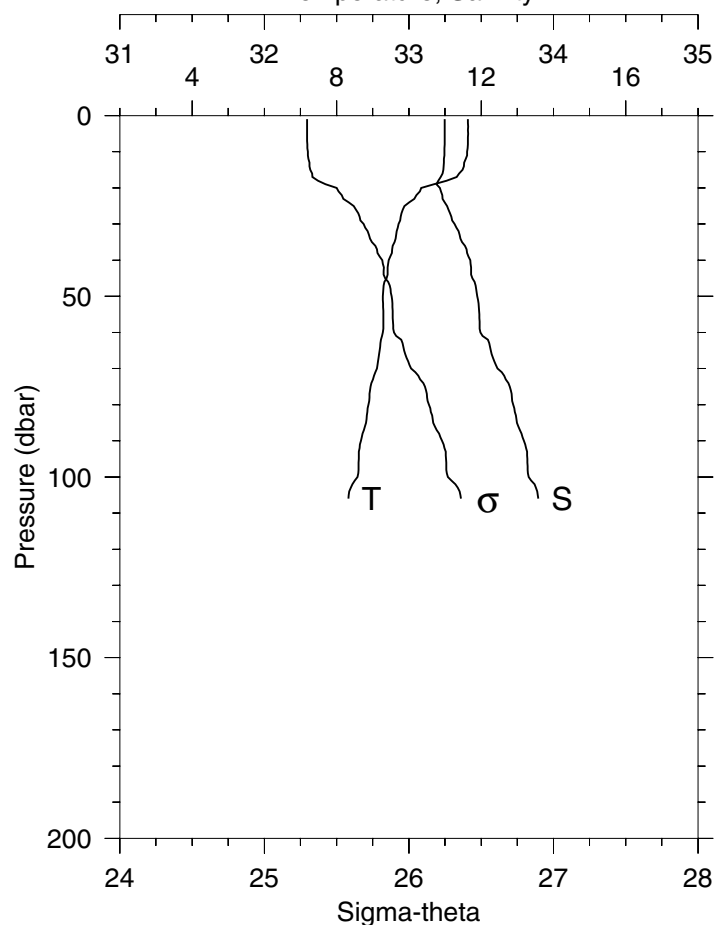
STA: 30 EU-1 LAT: 40 52.0 N LONG: 124 16.1 W  
25 SEP 1999 2107 GMT DEPTH 61

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.03	33.304	11.03	25.449	0.050	0.52	4.31
10	10.28	33.320	10.28	25.593	0.250	0.70	4.31
20	9.87	33.390	9.87	25.717	0.481	0.71	4.37
30	9.74	33.469	9.74	25.801	0.705	0.61	4.32
40	9.59	33.511	9.59	25.858	0.922	0.48	4.25
50	9.27	33.589	9.27	25.971	1.129	0.37	4.05
55	9.04	33.664	9.04	26.066	1.229	0.28	3.78

W9909C

### Station 31 EU-2 Temperature, Salinity

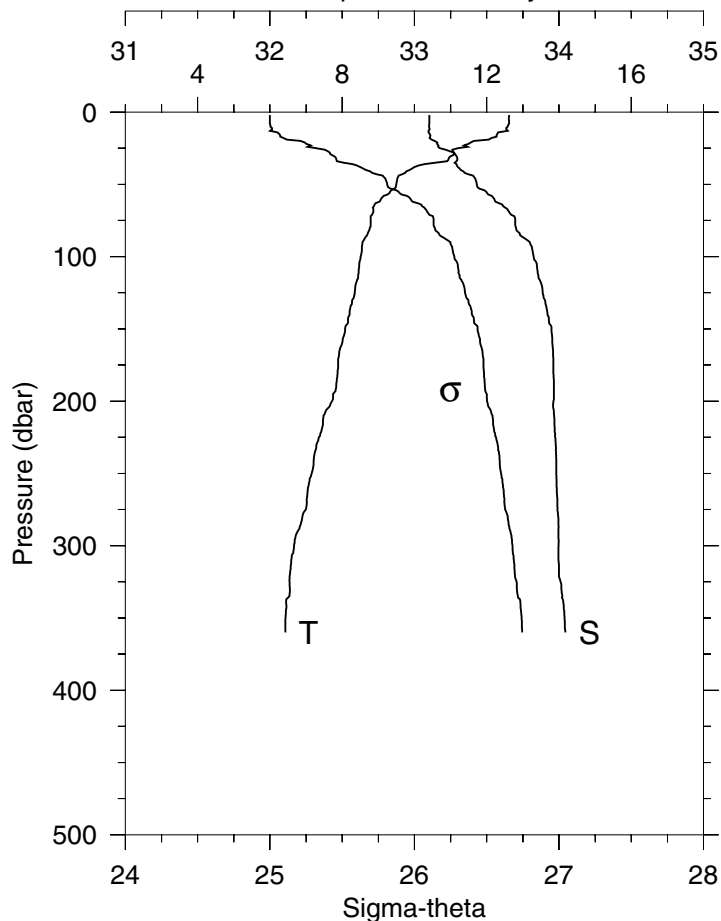
STA: 31 EU-2 LAT: 40 52.0 N LONG: 124 21.9 W  
25 SEP 1999 2222 GMT DEPTH 111



P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	11.63	33.247	11.63	25.296	0.027	1.65	4.08
10	11.61	33.246	11.61	25.300	0.267	1.85	4.10
20	10.34	33.214	10.34	25.501	0.529	1.18	4.37
30	9.71	33.316	9.71	25.686	0.768	0.49	4.52
40	9.44	33.425	9.43	25.816	0.992	0.31	4.55
50	9.28	33.473	9.27	25.880	1.207	0.32	4.53
60	9.28	33.495	9.27	25.897	1.419	0.30	4.52
70	9.12	33.613	9.11	26.015	1.623	0.29	4.47
80	8.88	33.722	8.87	26.139	1.815	0.23	4.27
90	8.67	33.796	8.66	26.229	1.999	0.19	4.30
100	8.58	33.829	8.57	26.269	2.177	0.17	4.41
106	8.32	33.895	8.31	26.360	2.279	0.16	4.31

### Station 32 EU-3 Temperature, Salinity

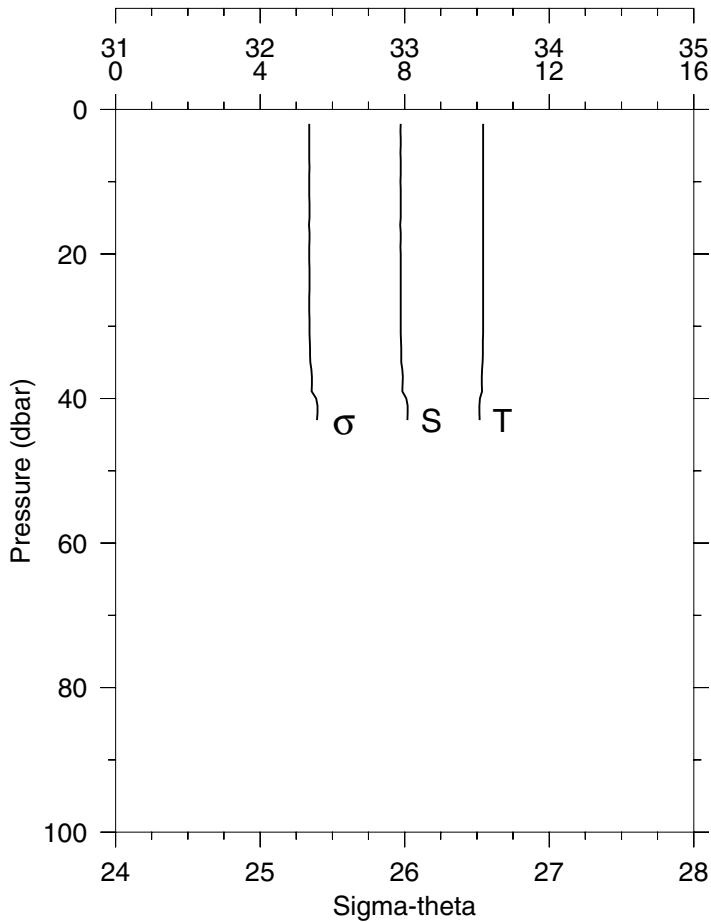
STA: 32 EU-3 LAT: 40 52.0 N LONG: 124 28.0 W  
26 SEP 1999 0006 GMT DEPTH 381



P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	12.62	33.103	12.62	24.999	0.059	0.91	4.35
10	12.58	33.101	12.58	25.004	0.295	0.99	4.35
20	11.64	33.140	11.64	25.212	0.584	1.04	4.42
30	11.06	33.288	11.05	25.433	0.848	1.45	4.33
40	9.87	33.320	9.86	25.664	1.093	0.59	4.52
50	9.50	33.431	9.49	25.811	1.316	0.27	4.56
60	9.08	33.551	9.07	25.972	1.528	0.19	4.56
70	8.85	33.661	8.84	26.095	1.724	0.17	4.54
80	8.77	33.702	8.76	26.140	1.913	0.16	4.54
90	8.56	33.799	8.55	26.248	2.097	0.14	4.55
100	8.51	33.825	8.50	26.276	2.274	0.14	4.55
110	8.46	33.852	8.45	26.306	2.448	0.14	4.55
120	8.37	33.881	8.36	26.342	2.619	0.13	4.56
130	8.28	33.902	8.27	26.372	2.788	0.15	4.56
140	8.20	33.921	8.19	26.399	2.953	0.15	4.55
150	8.08	33.948	8.07	26.438	3.116	0.14	4.53
175	7.89	33.962	7.87	26.478	3.513	0.14	4.53
200	7.72	33.961	7.70	26.502	3.905	0.15	4.54
225	7.36	33.974	7.33	26.565	4.285	0.15	4.55
250	7.16	33.982	7.13	26.599	4.655	0.15	4.55
275	6.99	33.989	6.97	26.627	5.019	0.15	4.55
300	6.67	33.998	6.64	26.678	5.373	0.15	4.55
350	6.43	34.038	6.40	26.741	6.060	0.15	4.51
360	6.43	34.044	6.40	26.746	6.195	0.15	4.48

W9911A

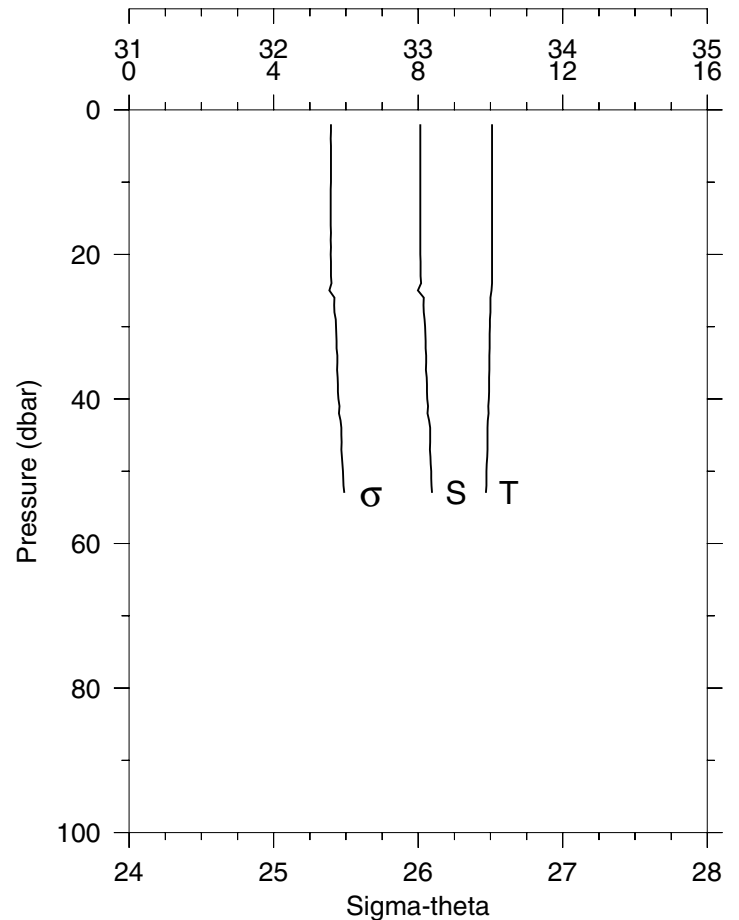
### Station 1 NH-3 Temperature, Salinity



STA: 1 NH-3 LAT: 44 39.1 N LONG: 124 7.9 W  
03 NOV 1999 2145 GMT DEPTH 47

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.17	32.972	10.17	25.340	0.052	1.30	4.18
10	10.17	32.971	10.17	25.340	0.263	0.95	4.18
20	10.17	32.972	10.17	25.340	0.525	0.93	4.18
30	10.17	32.972	10.17	25.341	0.788	1.05	4.18
40	10.08	33.011	10.08	25.387	1.050	0.72	4.10
43	10.07	33.018	10.07	25.394	1.128	0.61	3.99

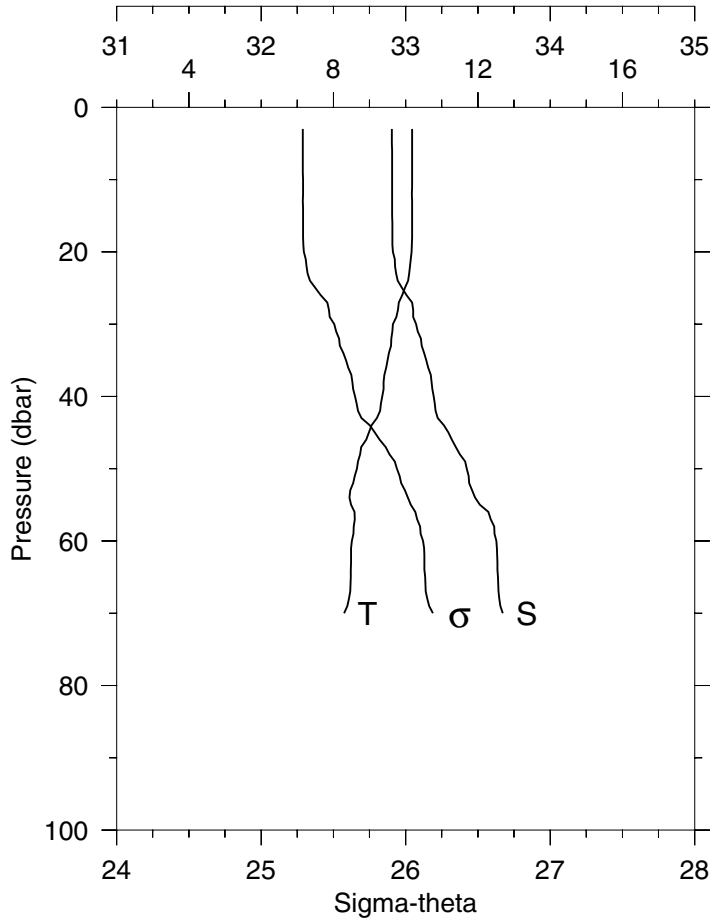
### Station 2 NH-5 Temperature, Salinity



STA: 2 NH-5 LAT: 44 39.1 N LONG: 124 10.7 W  
03 NOV 1999 2237 GMT DEPTH 57

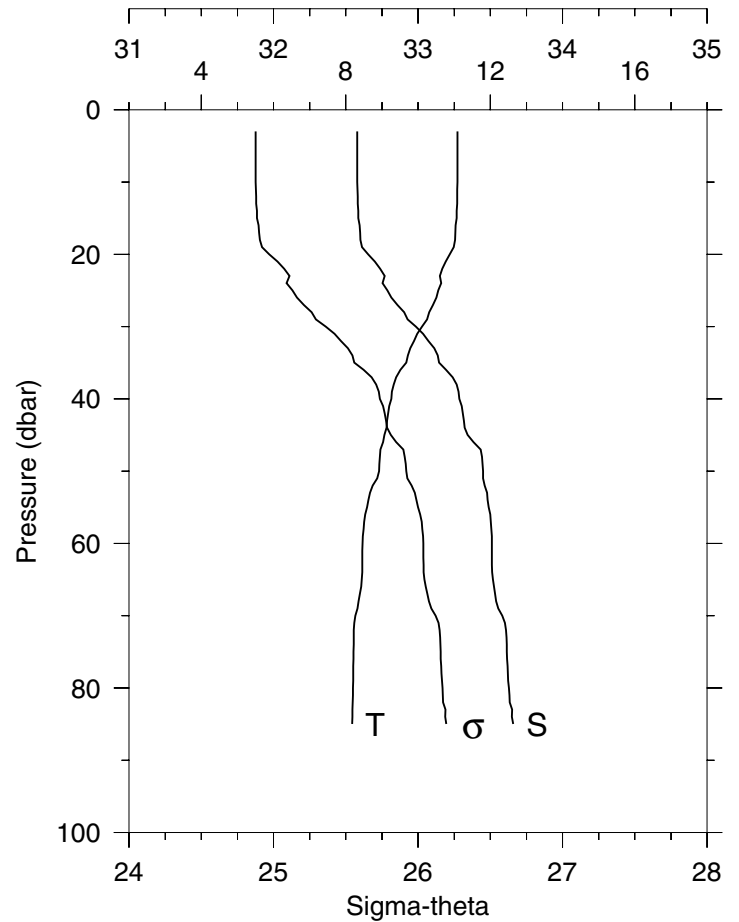
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.04	33.015	10.04	25.396	0.051	0.68	4.34
10	10.04	33.015	10.04	25.396	0.257	0.65	4.34
20	10.05	33.015	10.04	25.395	0.515	0.63	4.35
30	9.98	33.048	9.98	25.432	0.771	0.52	4.30
40	9.95	33.063	9.95	25.449	1.025	0.47	4.27
50	9.89	33.090	9.89	25.480	1.276	0.42	4.09
53	9.87	33.096	9.87	25.488	1.351	0.44	3.98

## W9911A

Station 3 NH-10  
Temperature, Salinity

STA: 3 NH-10 LAT: 44 39.0 N LONG: 124 17.8 W  
04 NOV 1999 0007 GMT DEPTH 80

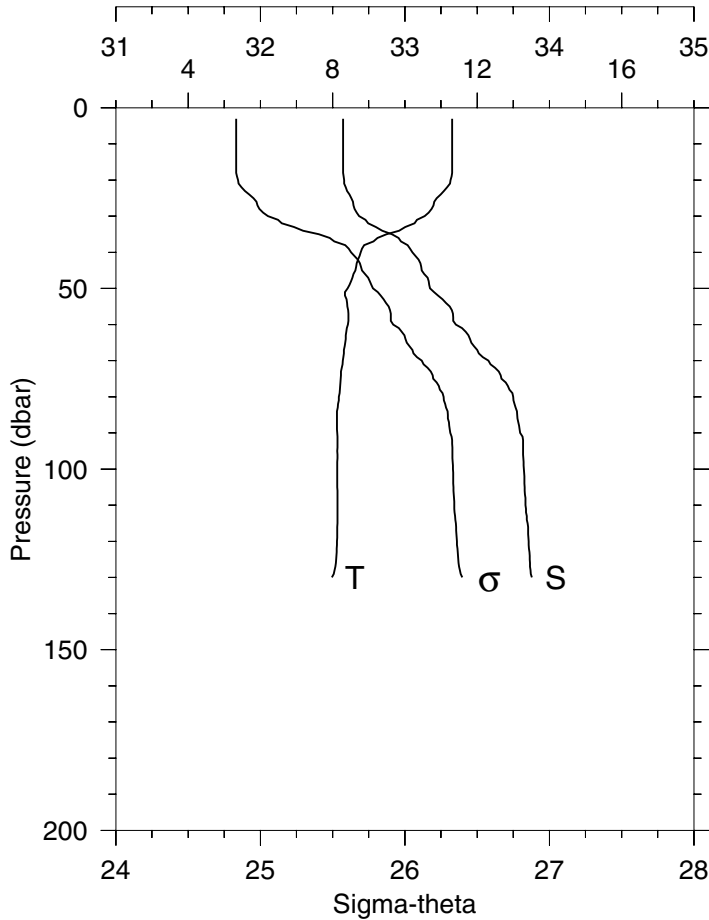
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
3	10.18	32.905	10.18	25.288	0.080	0.88	4.36
10	10.18	32.906	10.17	25.289	0.267	0.79	4.36
20	10.16	32.912	10.16	25.295	0.535	0.81	4.36
30	9.65	33.072	9.65	25.505	0.793	0.61	4.41
40	9.35	33.194	9.35	25.649	1.034	0.59	4.41
50	8.65	33.423	8.64	25.939	1.255	0.34	4.39
60	8.51	33.627	8.50	26.121	1.452	0.36	4.07
70	8.30	33.672	8.29	26.188	1.640	0.36	4.08

Station 4 NH-15  
Temperature, Salinity

STA: 4 NH-15 LAT: 44 39.1 N LONG: 124 24.6 W  
04 NOV 1999 0125 GMT DEPTH 95

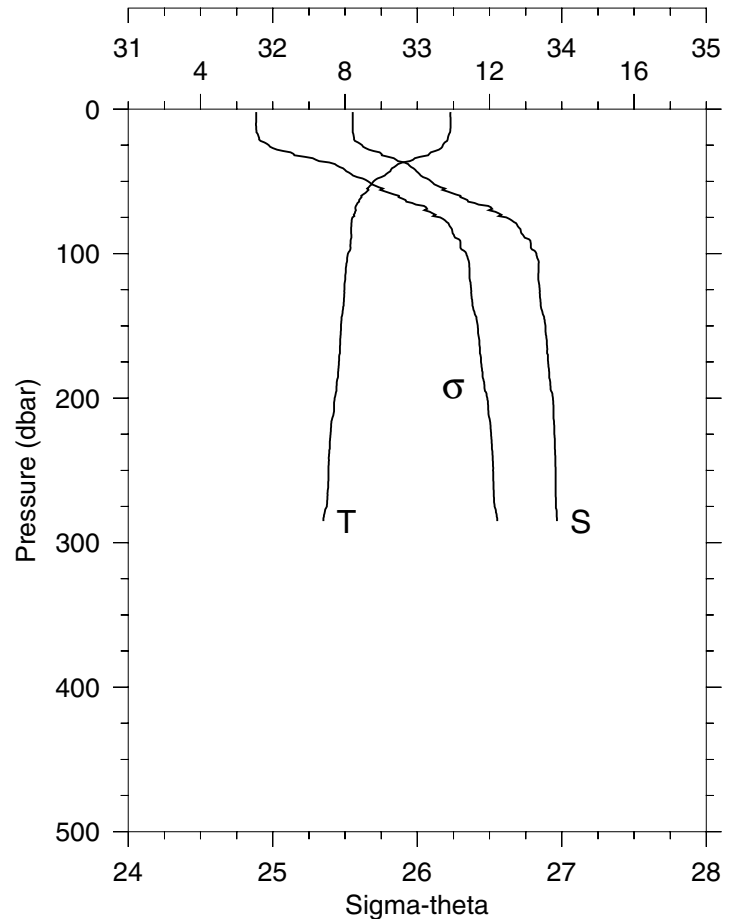
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
3	11.09	32.580	11.09	24.876	0.092	1.43	4.28
10	11.09	32.580	11.09	24.876	0.307	1.42	4.28
20	10.88	32.654	10.88	24.971	0.612	1.40	4.30
30	10.11	32.985	10.11	25.361	0.893	0.91	4.24
40	9.26	33.286	9.26	25.736	1.133	0.44	4.36
50	8.92	33.450	8.91	25.918	1.350	0.44	4.14
60	8.46	33.511	8.46	26.037	1.551	0.30	4.32
70	8.27	33.582	8.26	26.122	1.747	0.26	4.35
80	8.20	33.629	8.19	26.169	1.933	0.20	4.29
85	8.18	33.659	8.17	26.196	2.025	0.22	4.28

## W9911A

Station 5 NH-20  
Temperature, Salinity

STA: 5 NH-20 LAT: 44 39.0 N LONG: 124 31.8 W  
04 NOV 1999 0343 GMT DEPTH 143

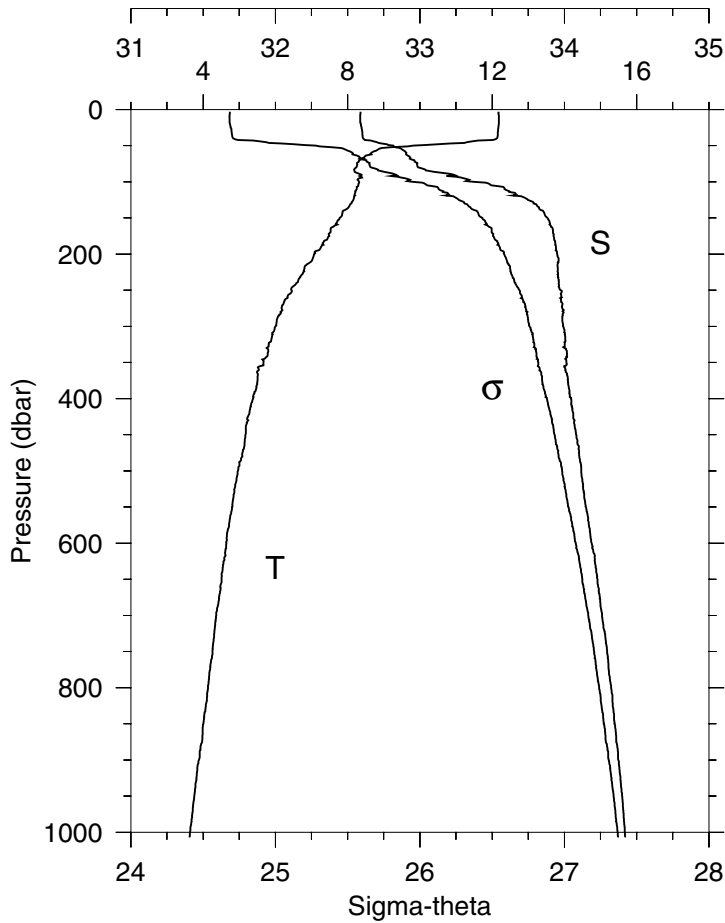
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
3	11.31	32.573	11.30	24.833	0.093	1.04	4.35
10	11.31	32.573	11.30	24.833	0.311	1.03	4.35
20	11.26	32.579	11.26	24.845	0.622	1.01	4.36
30	10.54	32.683	10.54	25.052	0.923	0.69	4.45
40	8.78	33.051	8.77	25.628	1.183	0.37	4.51
50	8.41	33.174	8.41	25.779	1.411	0.27	4.53
60	8.42	33.352	8.41	25.919	1.624	0.23	4.50
70	8.28	33.578	8.27	26.117	1.823	0.23	4.38
80	8.17	33.749	8.16	26.267	2.005	0.22	4.32
90	8.12	33.797	8.11	26.313	2.178	0.22	4.24
100	8.13	33.824	8.12	26.333	2.348	0.23	4.22
110	8.14	33.835	8.12	26.341	2.518	0.23	4.20
120	8.12	33.856	8.11	26.360	2.686	0.22	4.13
130	7.98	33.878	7.97	26.397	2.853	0.19	4.21

Station 6 NH-25  
Temperature, Salinity

STA: 6 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W  
04 NOV 1999 0508 GMT DEPTH 295

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	10.92	32.553	10.92	24.885	0.061	0.93	4.40
10	10.92	32.553	10.92	24.884	0.306	0.92	4.40
20	10.85	32.562	10.85	24.905	0.611	0.92	4.41
30	10.38	32.739	10.37	25.124	0.909	0.65	4.46
40	9.36	32.957	9.36	25.463	1.176	0.34	4.51
50	8.79	33.096	8.78	25.661	1.419	0.29	4.52
60	8.45	33.299	8.44	25.872	1.643	0.23	4.53
70	8.30	33.496	8.30	26.049	1.847	0.19	4.51
80	8.18	33.690	8.17	26.220	2.034	0.18	4.50
90	8.16	33.773	8.15	26.288	2.212	0.17	4.49
100	8.08	33.824	8.07	26.340	2.384	0.16	4.47
110	8.02	33.839	8.01	26.361	2.552	0.16	4.45
120	7.99	33.842	7.98	26.368	2.719	0.15	4.44
130	7.97	33.849	7.96	26.376	2.886	0.16	4.44
140	7.93	33.865	7.92	26.395	3.051	0.16	4.43
150	7.89	33.887	7.87	26.418	3.215	0.16	4.44
175	7.83	33.905	7.82	26.441	3.619	0.15	4.44
200	7.71	33.939	7.69	26.486	4.018	0.15	4.45
225	7.60	33.949	7.58	26.510	4.408	0.15	4.42
250	7.54	33.957	7.52	26.524	4.794	0.15	4.44
275	7.50	33.959	7.47	26.534	5.179	0.15	4.44
285	7.40	33.966	7.37	26.553	5.331	0.15	4.45

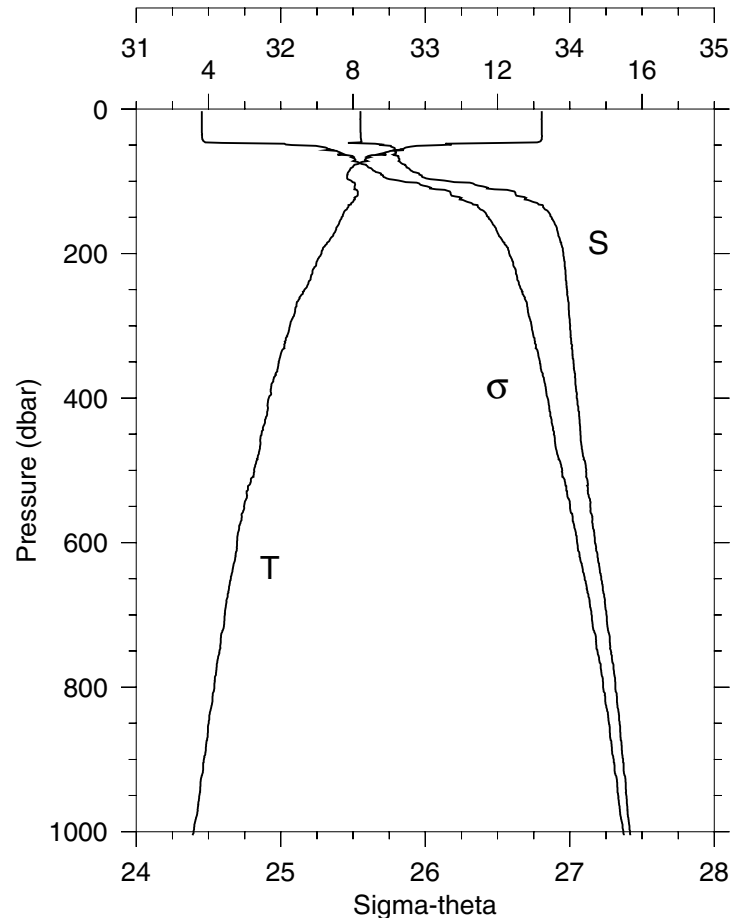
### Station 7 NH-85 Temperature, Salinity



STA: 7 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W  
04 NOV 1999 1410 GMT DEPTH 2882

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
3	12.18	32.588	12.18	24.684	0.097	0.75	4.44
10	12.19	32.587	12.18	24.681	0.325	0.70	4.44
20	12.18	32.591	12.18	24.685	0.650	0.81	4.44
30	12.16	32.599	12.16	24.695	0.975	0.83	4.43
40	12.13	32.607	12.12	24.709	1.299	0.90	4.43
50	9.81	32.815	9.81	25.278	1.600	0.30	4.51
60	8.66	32.906	8.65	25.533	1.853	0.21	4.54
70	8.32	32.962	8.31	25.629	2.095	0.15	4.55
80	8.24	32.989	8.23	25.662	2.329	0.13	4.54
90	8.39	33.233	8.38	25.831	2.555	0.14	4.53
100	8.32	33.375	8.31	25.952	2.768	0.14	4.53
110	8.25	33.586	8.24	26.129	2.963	0.18	4.53
120	8.18	33.701	8.17	26.230	3.148	0.14	4.53
130	8.10	33.787	8.09	26.308	3.324	0.14	4.53
140	7.88	33.851	7.86	26.392	3.493	0.14	4.53
150	7.78	33.883	7.76	26.432	3.657	0.15	4.53
175	7.49	33.924	7.47	26.506	4.050	0.14	4.49
200	7.07	33.950	7.05	26.584	4.427	0.14	4.53
225	6.77	33.955	6.75	26.630	4.790	0.15	4.53
250	6.44	33.974	6.42	26.688	5.143	0.15	4.53
275	6.17	33.985	6.15	26.732	5.483	0.15	4.54
300	6.00	33.991	5.97	26.759	5.815	0.15	4.54
350	5.66	34.014	5.64	26.819	6.459	0.15	4.54
400	5.38	34.047	5.35	26.879	7.079	0.15	4.54
450	5.17	34.082	5.14	26.932	7.673	0.15	4.54
500	4.96	34.117	4.92	26.984	8.245	0.14	4.54
600	4.64	34.188	4.59	27.078	9.325	0.15	4.54
800	4.14	34.323	4.08	27.240	11.254	0.15	4.54
1000	3.63	34.419	3.56	27.368	12.934	0.14	4.54
1007	3.63	34.420	3.56	27.370	12.989	0.15	4.54

### Station 8 NH-65 Temperature, Salinity



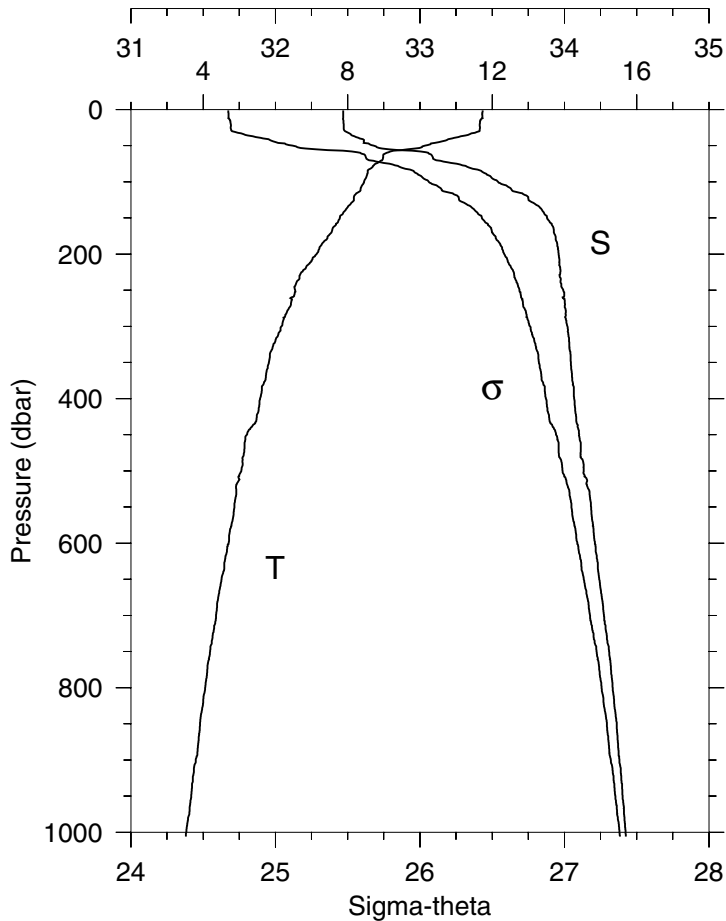
STA: 8 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W  
04 NOV 1999 1656 GMT DEPTH 2861

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
3	13.22	32.550	13.22	24.453	0.104	0.70	4.43
10	13.22	32.551	13.22	24.453	0.347	0.73	4.43
20	13.23	32.552	13.22	24.454	0.694	0.71	4.43
30	13.23	32.552	13.22	24.454	1.042	0.70	4.43
40	13.23	32.554	13.22	24.456	1.389	0.72	4.43
50	10.45	32.695	10.45	25.078	1.721	0.34	4.47
60	8.91	32.794	8.90	25.407	1.987	0.27	4.53
70	8.33	32.821	8.32	25.516	2.239	0.20	4.54
80	8.00	32.870	7.99	25.603	2.482	0.16	4.54
90	7.85	32.959	7.84	25.695	2.717	0.13	4.54
100	7.97	33.168	7.96	25.841	2.943	0.14	4.53
110	8.04	33.427	8.03	26.034	3.147	0.14	4.52
120	8.12	33.630	8.11	26.182	3.334	0.13	4.53
130	7.96	33.773	7.95	26.318	3.512	0.14	4.53
140	7.79	33.839	7.78	26.395	3.680	0.15	4.53
150	7.68	33.875	7.67	26.439	3.842	0.15	4.53
175	7.45	33.921	7.43	26.509	4.235	0.15	4.53
200	7.12	33.955	7.11	26.581	4.611	0.15	4.53
225	6.88	33.970	6.86	26.627	4.975	0.15	4.53
250	6.66	33.982	6.63	26.666	5.331	0.15	4.53
275	6.41	33.993	6.38	26.708	5.676	0.15	4.53
300	6.25	34.003	6.23	26.736	6.015	0.15	4.53
350	5.94	34.026	5.91	26.794	6.674	0.15	4.53
400	5.67	34.048	5.63	26.846	7.308	0.15	4.53
450	5.47	34.074	5.43	26.890	7.921	0.15	4.53
500	5.26	34.114	5.22	26.948	8.515	0.15	4.53
600	4.78	34.176	4.74	27.052	9.625	0.15	4.54
800	4.16	34.316	4.10	27.231	11.586	0.15	4.54
1000	3.59	34.416	3.51	27.370	13.273	0.15	4.54
1005	3.56	34.418	3.49	27.375	13.312	0.14	4.54

W9911A

### Station 9 NH-55 Temperature, Salinity

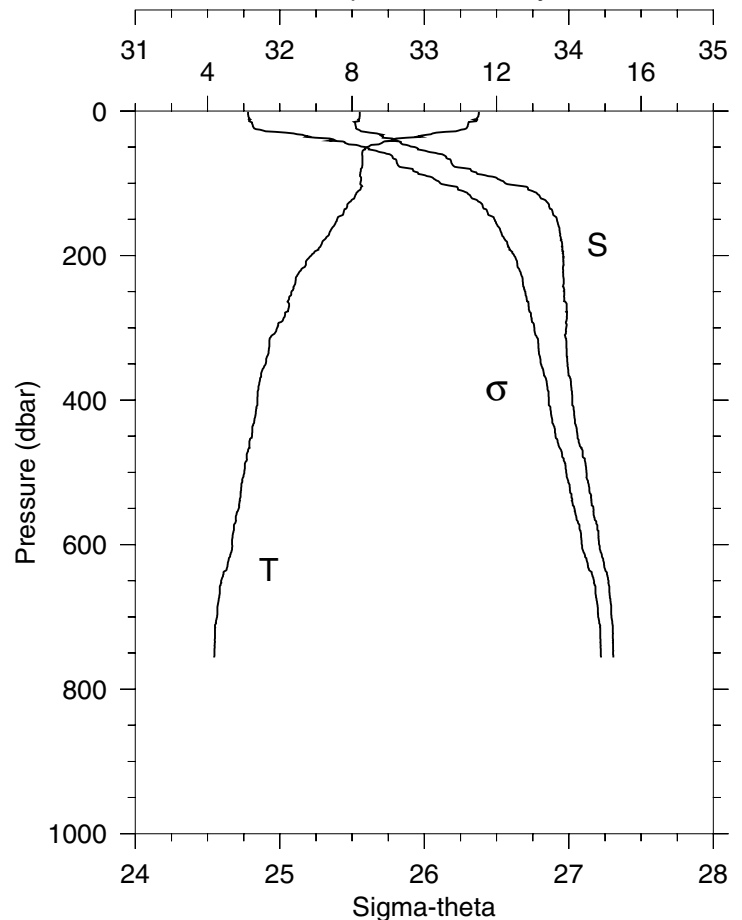
STA: 9 NH-55 LAT: 44 39.0 N LONG: 125 22.2 W  
04 NOV 1999 1956 GMT DEPTH 2868



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.74	32.469	11.74	24.673	0.033	0.70	4.36
10	11.73	32.469	11.73	24.675	0.326	0.76	4.36
20	11.65	32.473	11.65	24.691	0.651	1.08	4.37
30	11.65	32.482	11.65	24.700	0.976	1.07	4.39
40	10.89	32.581	10.89	24.913	1.290	0.58	4.47
50	10.14	32.680	10.13	25.119	1.585	0.37	4.51
60	9.08	33.057	9.07	25.586	1.850	0.22	4.54
70	8.96	33.112	8.95	25.648	2.087	0.20	4.54
80	8.67	33.337	8.66	25.869	2.309	0.16	4.54
90	8.54	33.463	8.53	25.987	2.516	0.15	4.54
100	8.45	33.541	8.44	26.062	2.715	0.15	4.54
110	8.36	33.631	8.35	26.148	2.906	0.14	4.53
120	8.18	33.744	8.16	26.263	3.089	0.14	4.53
130	8.09	33.791	8.08	26.313	3.264	0.15	4.53
140	7.93	33.848	7.91	26.382	3.433	0.14	4.53
150	7.78	33.880	7.77	26.428	3.596	0.14	4.53
175	7.45	33.937	7.44	26.521	3.989	0.15	4.53
200	7.14	33.959	7.12	26.583	4.364	0.14	4.53
225	6.72	33.971	6.70	26.649	4.726	0.15	4.53
250	6.55	33.991	6.52	26.688	5.076	0.16	4.53
275	6.37	34.006	6.34	26.723	5.417	0.15	4.53
300	6.16	34.021	6.14	26.762	5.751	0.15	4.53
350	5.82	34.044	5.79	26.824	6.393	0.15	4.54
400	5.58	34.067	5.54	26.872	7.013	0.15	4.54
450	5.21	34.101	5.18	26.942	7.612	0.14	4.54
500	5.05	34.133	5.01	26.987	8.180	0.15	4.52
600	4.70	34.211	4.66	27.089	9.246	0.15	4.53
800	4.05	34.334	4.00	27.257	11.148	0.15	4.54
1000	3.53	34.422	3.46	27.381	12.796	0.15	4.54
1006	3.52	34.424	3.45	27.384	12.842	0.14	4.54

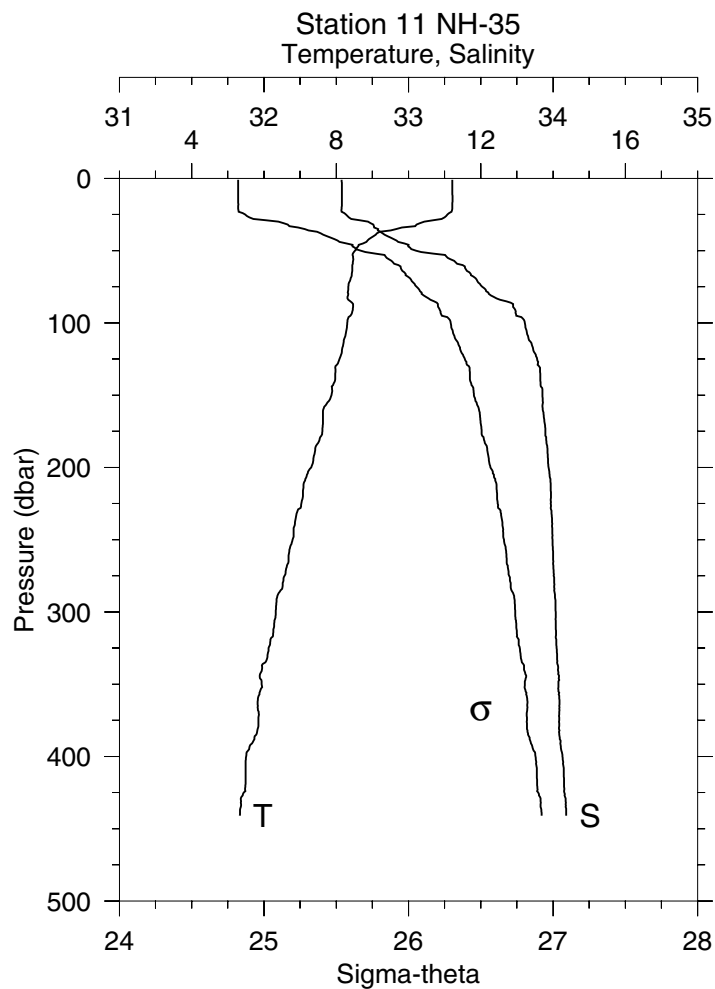
### Station 10 NH-45 Temperature, Salinity

STA: 10 NH-45 LAT: 44 39.1 N LONG: 125 7.5 W  
04 NOV 1999 2218 GMT DEPTH 741



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.51	32.554	11.51	24.781	0.032	0.60	4.40
10	11.45	32.551	11.45	24.789	0.316	0.86	4.40
20	11.20	32.524	11.20	24.813	0.630	0.63	4.47
30	10.33	32.624	10.32	25.043	0.938	0.43	4.51
40	9.14	32.801	9.13	25.376	1.213	0.25	4.53
50	8.41	32.934	8.41	25.592	1.464	0.20	4.54
60	8.28	33.123	8.27	25.760	1.696	0.16	4.54
70	8.29	33.186	8.28	25.808	1.917	0.17	4.54
80	8.24	33.317	8.24	25.918	2.134	0.16	4.53
90	8.22	33.440	8.21	26.018	2.340	0.15	4.53
100	8.23	33.561	8.22	26.111	2.534	0.15	4.53
110	8.19	33.738	8.18	26.256	2.717	0.14	4.53
120	8.07	33.804	8.06	26.327	2.890	0.14	4.53
130	7.87	33.863	7.86	26.402	3.057	0.14	4.53
140	7.77	33.888	7.75	26.437	3.219	0.14	4.53
150	7.59	33.917	7.57	26.486	3.378	0.14	4.53
175	7.29	33.944	7.27	26.550	3.761	0.15	4.53
200	6.87	33.961	6.85	26.621	4.129	0.15	4.53
225	6.52	33.961	6.50	26.668	4.483	0.14	4.53
250	6.32	33.968	6.30	26.699	4.829	0.15	4.53
275	6.24	33.985	6.21	26.724	5.168	0.15	4.51
300	5.93	33.982	5.90	26.761	5.501	0.14	4.53
350	5.61	33.991	5.58	26.807	6.147	0.14	4.54
400	5.38	34.024	5.35	26.861	6.770	0.14	4.54
450	5.23	34.061	5.19	26.908	7.374	0.15	4.54
500	5.01	34.122	4.97	26.982	7.949	0.15	4.54
600	4.68	34.211	4.64	27.091	9.022	0.15	4.53
756	4.18	34.308	4.13	27.223	10.497	0.15	4.53

W9911A



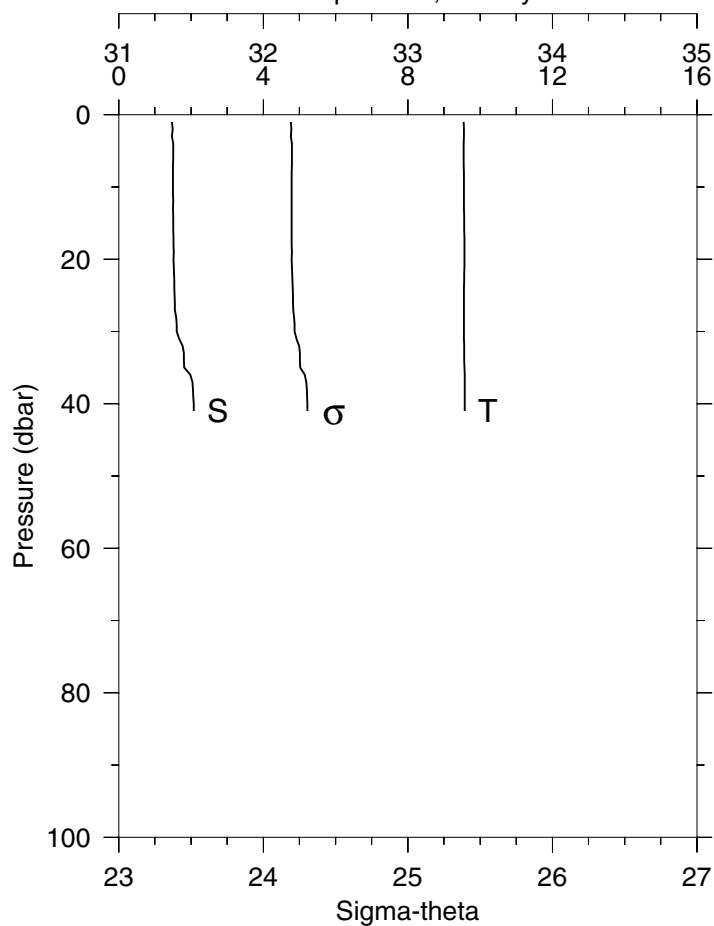
STA: 11 NH-35 LAT: 44 39.1 N LONG: 124 53.1 W  
04 NOV 1999 0105 GMT DEPTH 452

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	11.21	32.537	11.21	24.821	0.031	0.90	4.37
10	11.21	32.538	11.21	24.821	0.312	0.87	4.36
20	11.21	32.537	11.21	24.822	0.624	0.91	4.37
30	10.43	32.719	10.43	25.099	0.930	0.59	4.34
40	9.02	32.856	9.02	25.437	1.199	0.24	4.53
50	8.52	33.052	8.51	25.669	1.442	0.15	4.55
60	8.45	33.374	8.44	25.931	1.658	0.14	4.53
70	8.39	33.471	8.38	26.017	1.862	0.14	4.49
80	8.34	33.556	8.33	26.091	2.058	0.15	4.54
90	8.46	33.733	8.45	26.212	2.243	0.18	4.50
100	8.30	33.805	8.29	26.292	2.421	0.17	4.49
110	8.24	33.828	8.23	26.319	2.594	0.16	4.49
120	8.15	33.867	8.14	26.363	2.763	0.15	4.48
130	7.98	33.902	7.96	26.417	2.928	0.14	4.48
140	7.96	33.912	7.95	26.427	3.090	0.14	4.47
150	7.87	33.927	7.85	26.453	3.250	0.14	4.47
175	7.62	33.946	7.60	26.505	3.641	0.14	4.50
200	7.31	33.969	7.29	26.567	4.020	0.15	4.52
225	7.04	33.984	7.02	26.616	4.385	0.15	4.51
250	6.79	33.996	6.77	26.660	4.740	0.15	4.49
275	6.57	34.004	6.54	26.696	5.088	0.16	4.48
300	6.32	34.018	6.30	26.739	5.427	0.15	4.49
350	5.94	34.037	5.91	26.804	6.082	0.15	4.49
400	5.51	34.065	5.47	26.879	6.712	0.15	4.49
441	5.33	34.091	5.30	26.921	7.203	0.15	4.49



W0002A

### Station 1 NH-3 Temperature, Salinity



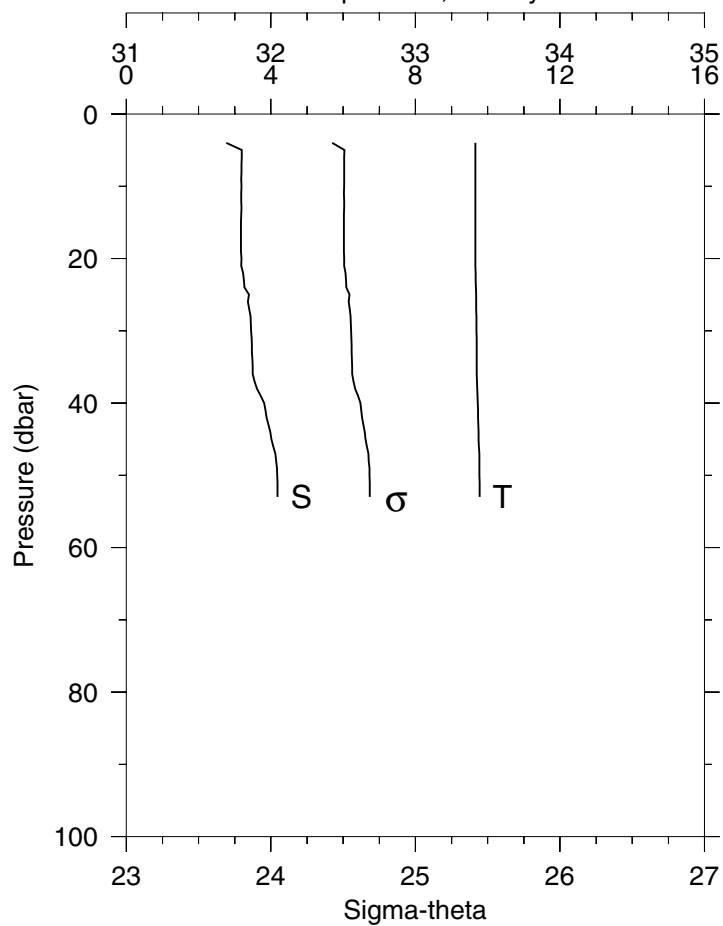
STA: 1 NH-3 LAT: 44 39.2 N LONG: 124 7.9 W  
01 FEB 2000 2041 GMT DEPTH 47

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	9.55	31.368	9.55	24.191	0.037	0.65	3.57
10	9.55	31.375	9.55	24.196	0.372	0.64	3.69
20	9.57	31.379	9.57	24.196	0.743	0.73	3.70
30	9.55	31.401	9.55	24.216	1.114	0.68	3.66
40	9.57	31.518	9.57	24.304	1.479	0.79	3.51
41	9.57	31.518	9.57	24.304	1.515	0.79	3.41

STA: 2 NH-5 LAT: 44 39.1 N LONG: 124 10.8 W  
01 FEB 2000 2139 GMT DEPTH 58

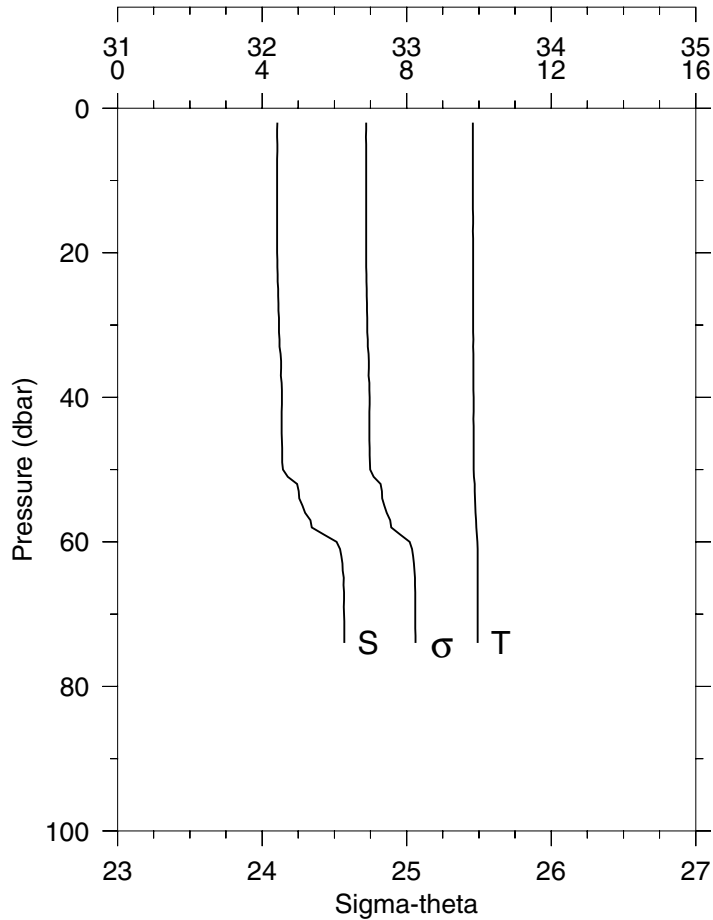
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
4	9.66	31.691	9.66	24.425	0.140	0.53	2.87
10	9.66	31.796	9.66	24.507	0.345	0.55	4.20
20	9.66	31.796	9.66	24.507	0.687	0.52	4.21
30	9.69	31.864	9.69	24.555	1.027	0.49	4.27
40	9.73	31.953	9.73	24.619	1.363	0.51	4.33
50	9.77	32.044	9.77	24.683	1.692	0.55	4.41
53	9.78	32.046	9.77	24.684	1.790	0.55	4.43

### Station 2 NH-5 Temperature, Salinity



W0002A

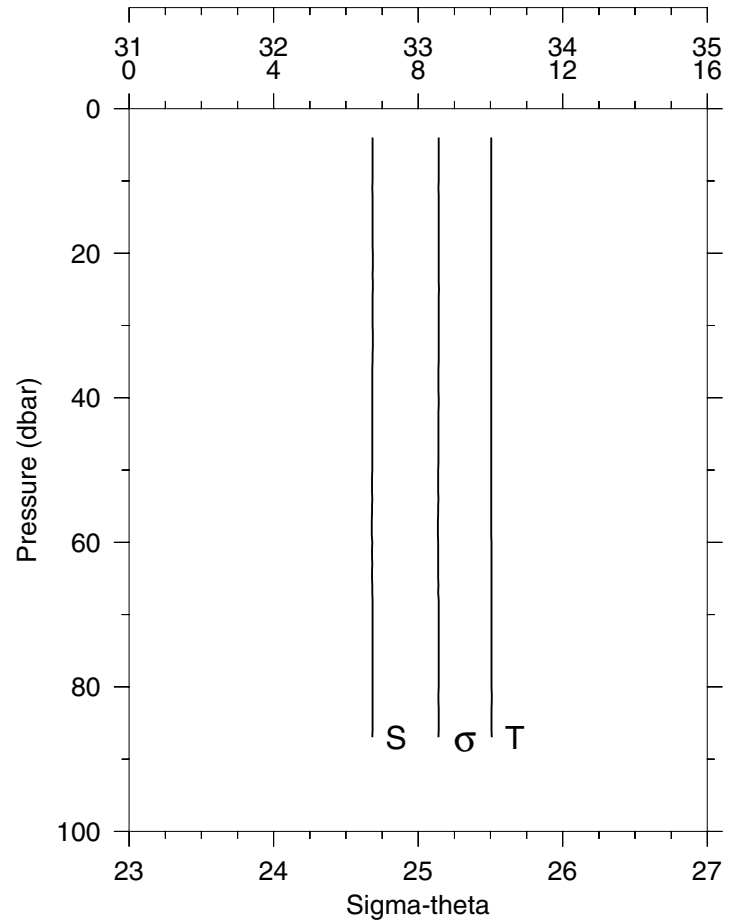
### Station 3 NH-10 Temperature, Salinity



STA: 3 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W  
02 FEB 2000 0005 GMT DEPTH 79

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.83	32.105	9.83	24.720	0.064	0.52	4.50
10	9.83	32.104	9.83	24.720	0.322	0.52	4.53
20	9.84	32.104	9.83	24.719	0.643	0.56	4.53
30	9.84	32.116	9.84	24.728	0.965	0.53	4.53
40	9.85	32.137	9.85	24.743	1.286	0.47	4.52
50	9.85	32.144	9.85	24.748	1.606	0.46	4.52
60	9.96	32.515	9.95	25.020	1.915	0.35	4.42
70	9.97	32.566	9.96	25.059	2.206	0.34	3.93
74	9.97	32.568	9.96	25.061	2.322	0.36	3.95

### Station 4 NH-15 Temperature, Salinity



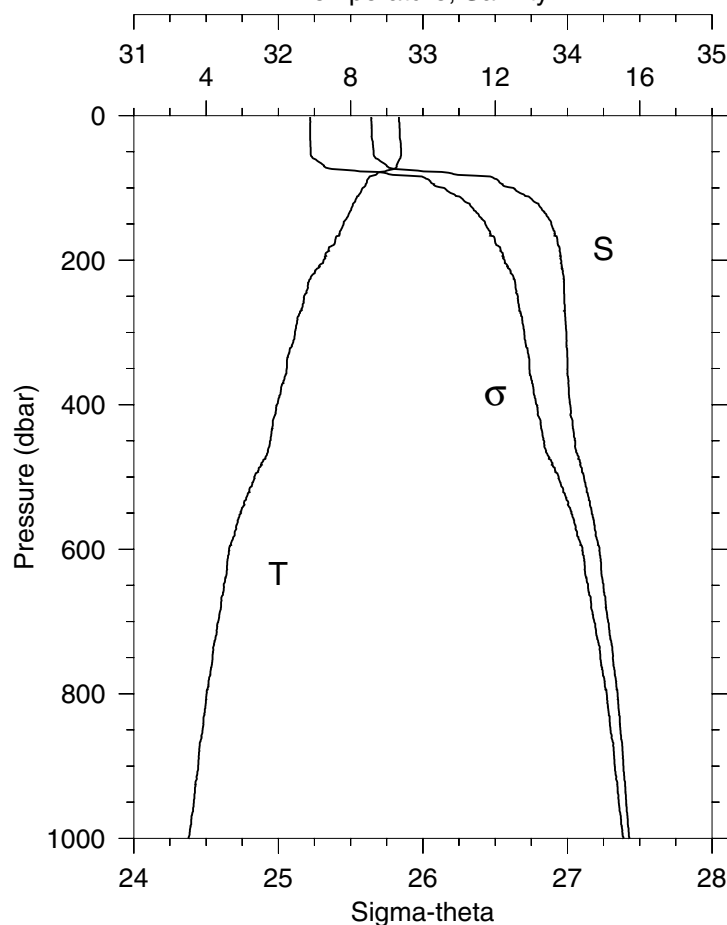
STA: 4 NH-15 LAT: 44 39.0 N LONG: 124 24.4 W  
02 FEB 2000 0150 GMT DEPTH 94

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
4	10.02	32.685	10.02	25.141	0.113	0.40	4.49
10	10.02	32.684	10.02	25.141	0.281	0.41	4.50
20	10.02	32.686	10.02	25.142	0.563	0.42	4.50
30	10.02	32.685	10.02	25.142	0.845	0.41	4.49
40	10.02	32.683	10.02	25.141	1.127	0.42	4.50
50	10.02	32.682	10.02	25.139	1.409	0.42	4.50
60	10.03	32.682	10.02	25.139	1.692	0.42	4.50
70	10.03	32.685	10.02	25.141	1.975	0.42	4.50
80	10.03	32.685	10.02	25.141	2.258	0.43	4.50
87	10.03	32.683	10.02	25.140	2.456	0.45	4.49

W0002A

# Station 9 NH-85 Temperature, Salinity

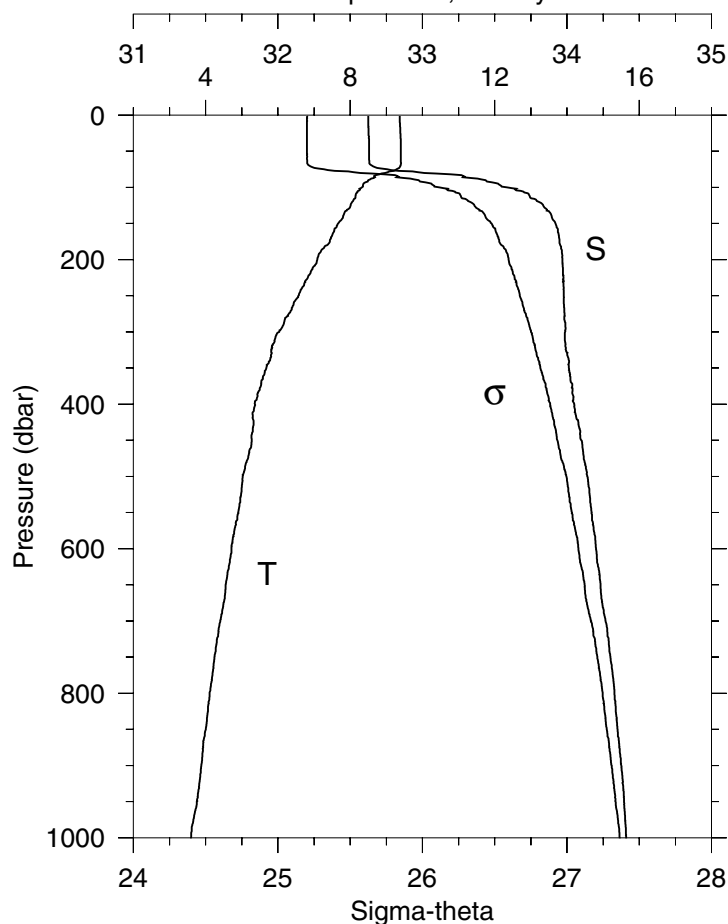
STA: 9 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W  
02 FEB 2000 1432 GMT DEPTH 2886



P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	9.34	32.643	9.34	25.220	0.055	0.44	4.57
10	9.35	32.645	9.35	25.220	0.274	0.45	4.57
20	9.36	32.646	9.36	25.220	0.548	0.47	4.57
30	9.36	32.646	9.35	25.220	0.822	0.49	4.57
40	9.39	32.654	9.38	25.222	1.097	0.49	4.56
50	9.40	32.658	9.39	25.223	1.371	0.47	4.56
60	9.36	32.684	9.35	25.250	1.645	0.46	4.57
70	9.27	32.752	9.27	25.316	1.914	0.35	4.59
80	8.73	33.204	8.72	25.755	2.164	0.18	4.62
90	8.45	33.523	8.44	26.047	2.370	0.14	4.62
100	8.34	33.625	8.32	26.146	2.564	0.14	4.62
110	8.22	33.703	8.21	26.224	2.749	0.14	4.62
120	8.11	33.777	8.10	26.300	2.925	0.14	4.62
130	8.01	33.823	8.00	26.350	3.096	0.14	4.62
140	7.92	33.862	7.90	26.394	3.262	0.14	4.61
150	7.80	33.888	7.79	26.432	3.425	0.14	4.61
175	7.56	33.932	7.55	26.501	3.820	0.14	4.61
200	7.25	33.956	7.23	26.565	4.199	0.14	4.61
225	6.89	33.974	6.87	26.629	4.566	0.15	4.62
250	6.71	33.979	6.69	26.657	4.922	0.15	4.62
275	6.57	33.984	6.54	26.680	5.273	0.15	4.62
300	6.46	33.992	6.43	26.701	5.619	0.15	4.62
350	6.23	34.000	6.20	26.737	6.298	0.15	4.62
400	5.96	34.019	5.92	26.788	6.962	0.15	4.62
450	5.77	34.054	5.74	26.838	7.604	0.15	4.62
500	5.33	34.115	5.29	26.940	8.215	0.15	4.62
600	4.64	34.221	4.59	27.104	9.304	0.15	4.61
800	4.01	34.347	3.95	27.271	11.191	0.15	4.62
1000	3.52	34.427	3.45	27.385	12.825	0.15	4.62
1001	3.52	34.428	3.44	27.387	12.833	0.14	4.62

# Station 10 NH-65 Temperature, Salinity

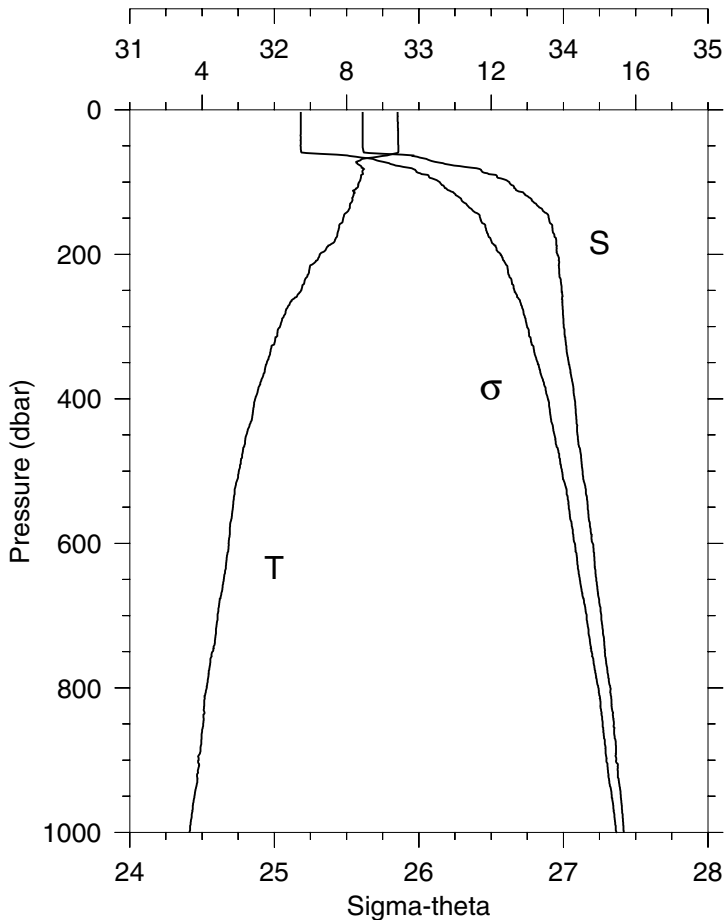
STA: 10 NH-65 LAT: 44 39.1 N LONG: 125 36.1 W  
02 FEB 2000 1731 GMT DEPTH 2863



P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	9.37	32.626	9.37	25.201	0.028	0.40	4.57
10	9.38	32.626	9.37	25.201	0.276	0.41	4.58
20	9.39	32.628	9.38	25.201	0.552	0.41	4.58
30	9.40	32.630	9.39	25.201	0.828	0.38	4.58
40	9.40	32.631	9.40	25.201	1.104	0.40	4.58
50	9.40	32.631	9.40	25.201	1.381	0.40	4.58
60	9.40	32.631	9.40	25.201	1.657	0.39	4.58
70	9.39	32.653	9.38	25.220	1.934	0.46	4.59
80	8.97	33.013	8.96	25.569	2.197	0.23	4.62
90	8.50	33.438	8.49	25.974	2.416	0.15	4.63
100	8.32	33.587	8.31	26.118	2.613	0.14	4.63
110	8.16	33.736	8.15	26.260	2.795	0.14	4.62
120	8.06	33.805	8.05	26.329	2.970	0.14	4.62
130	7.96	33.858	7.94	26.385	3.138	0.14	4.62
140	7.81	33.894	7.79	26.436	3.300	0.14	4.62
150	7.67	33.920	7.65	26.477	3.459	0.14	4.62
175	7.43	33.948	7.42	26.532	3.844	0.15	4.62
200	7.09	33.968	7.07	26.596	4.216	0.15	4.61
225	6.82	33.975	6.80	26.638	4.577	0.15	4.61
250	6.57	33.977	6.55	26.674	4.929	0.15	4.62
275	6.30	33.983	6.27	26.715	5.273	0.15	4.62
300	6.03	33.987	6.01	26.751	5.608	0.15	4.62
350	5.68	34.013	5.66	26.816	6.256	0.15	4.62
400	5.36	34.050	5.33	26.884	6.874	0.15	4.62
450	5.28	34.100	5.24	26.934	7.467	0.15	4.62
500	5.03	34.141	4.99	26.996	8.037	0.15	4.62
600	4.72	34.201	4.67	27.079	9.112	0.15	4.62
800	4.11	34.329	4.05	27.247	11.040	0.15	4.62
1000	3.59	34.410	3.52	27.365	12.718	0.14	4.62
1001	3.59	34.410	3.52	27.365	12.726	0.14	4.62

W0002A

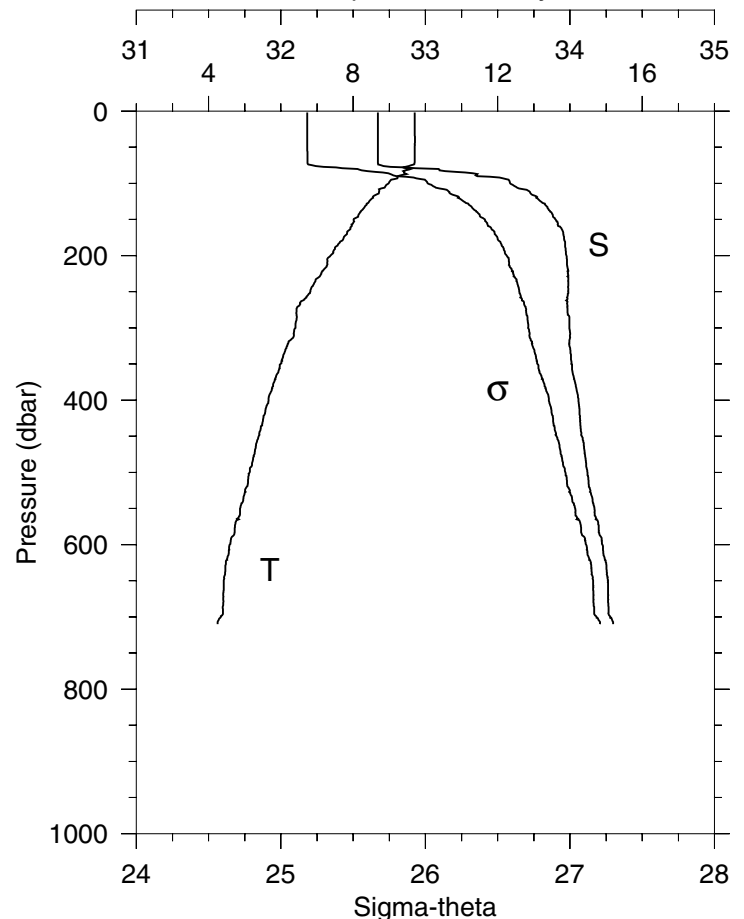
### Station 11 NH-55 Temperature, Salinity



STA: 11 NH-55 LAT: 44 39.1 N LONG: 125 22.0 W  
02 FEB 2000 1947 GMT DEPTH 2867

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
3	9.41	32.610	9.41	25.183	0.083	0.50	4.56
10	9.41	32.611	9.41	25.183	0.277	0.51	4.56
20	9.42	32.611	9.42	25.182	0.555	0.52	4.57
30	9.42	32.611	9.42	25.182	0.833	0.50	4.57
40	9.43	32.611	9.42	25.182	1.111	0.52	4.57
50	9.43	32.611	9.42	25.181	1.390	0.49	4.57
60	9.40	32.655	9.39	25.221	1.668	0.46	4.59
70	8.37	33.078	8.36	25.711	1.912	0.15	4.63
80	8.42	33.364	8.41	25.929	2.131	0.14	4.63
90	8.41	33.532	8.40	26.062	2.334	0.14	4.63
100	8.35	33.626	8.34	26.145	2.526	0.13	4.63
110	8.25	33.670	8.24	26.194	2.712	0.13	4.63
120	8.18	33.755	8.16	26.272	2.891	0.14	4.63
130	8.10	33.810	8.08	26.327	3.065	0.14	4.62
140	8.04	33.859	8.03	26.374	3.234	0.14	4.62
150	7.91	33.899	7.89	26.425	3.397	0.14	4.62
175	7.74	33.938	7.72	26.481	3.795	0.14	4.62
200	7.26	33.959	7.24	26.566	4.179	0.14	4.62
225	6.96	33.971	6.94	26.617	4.545	0.15	4.62
250	6.74	33.988	6.72	26.661	4.901	0.14	4.61
275	6.34	33.994	6.32	26.717	5.246	0.15	4.61
300	6.16	34.003	6.13	26.749	5.582	0.15	4.61
350	5.79	34.037	5.76	26.821	6.230	0.15	4.61
400	5.47	34.077	5.43	26.893	6.845	0.15	4.62
450	5.22	34.098	5.19	26.938	7.436	0.15	4.62
500	5.02	34.133	4.98	26.990	8.005	0.15	4.62
600	4.73	34.203	4.69	27.079	9.080	0.15	4.62
800	4.13	34.325	4.07	27.242	11.024	0.15	4.62
1000	3.65	34.417	3.58	27.365	12.712	0.14	4.62
1001	3.65	34.417	3.58	27.364	12.720	0.15	4.62

### Station 12 NH-45 Temperature, Salinity

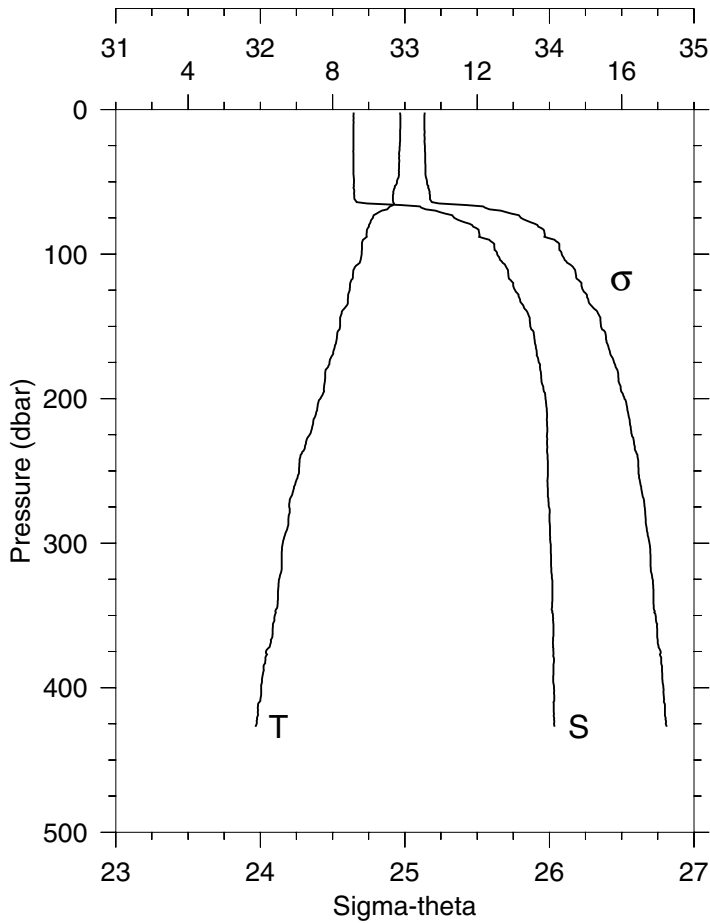


STA: 12 NH-45 LAT: 44 39.1 N LONG: 125 7.0 W  
02 FEB 2000 2225 GMT DEPTH 698

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.71	32.671	9.71	25.182	0.055	0.52	4.54
10	9.70	32.671	9.70	25.183	0.277	0.55	4.55
20	9.70	32.671	9.70	25.183	0.555	0.54	4.55
30	9.71	32.671	9.70	25.183	0.833	0.61	4.55
40	9.71	32.671	9.70	25.183	1.111	0.54	4.55
50	9.71	32.671	9.70	25.183	1.389	0.60	4.55
60	9.71	32.671	9.70	25.184	1.668	0.50	4.56
70	9.70	32.671	9.70	25.184	1.946	0.49	4.56
80	9.60	33.092	9.59	25.531	2.217	0.22	4.61
90	9.23	33.360	9.22	25.800	2.449	0.14	4.62
100	8.98	33.586	8.97	26.016	2.654	0.13	4.61
110	8.73	33.711	8.71	26.154	2.849	0.14	4.61
120	8.55	33.767	8.54	26.225	3.033	0.14	4.61
130	8.37	33.831	8.36	26.303	3.209	0.14	4.61
140	8.19	33.870	8.18	26.360	3.380	0.14	4.62
150	8.01	33.901	8.00	26.412	3.546	0.14	4.62
175	7.74	33.959	7.72	26.498	3.945	0.14	4.62
200	7.38	33.975	7.36	26.562	4.326	0.14	4.62
225	7.12	33.986	7.10	26.607	4.695	0.15	4.62
250	6.82	33.988	6.80	26.649	5.053	0.14	4.61
275	6.43	33.983	6.41	26.697	5.402	0.14	4.61
300	6.40	33.996	6.38	26.711	5.745	0.15	4.61
350	5.99	34.010	5.97	26.775	6.413	0.14	4.61
400	5.66	34.058	5.62	26.855	7.049	0.15	4.62
450	5.39	34.082	5.35	26.907	7.656	0.15	4.62
500	5.13	34.121	5.09	26.968	8.238	0.15	4.62
600	4.59	34.225	4.54	27.113	9.315	0.15	4.61
710	4.25	34.298	4.20	27.207	10.380	0.15	4.60

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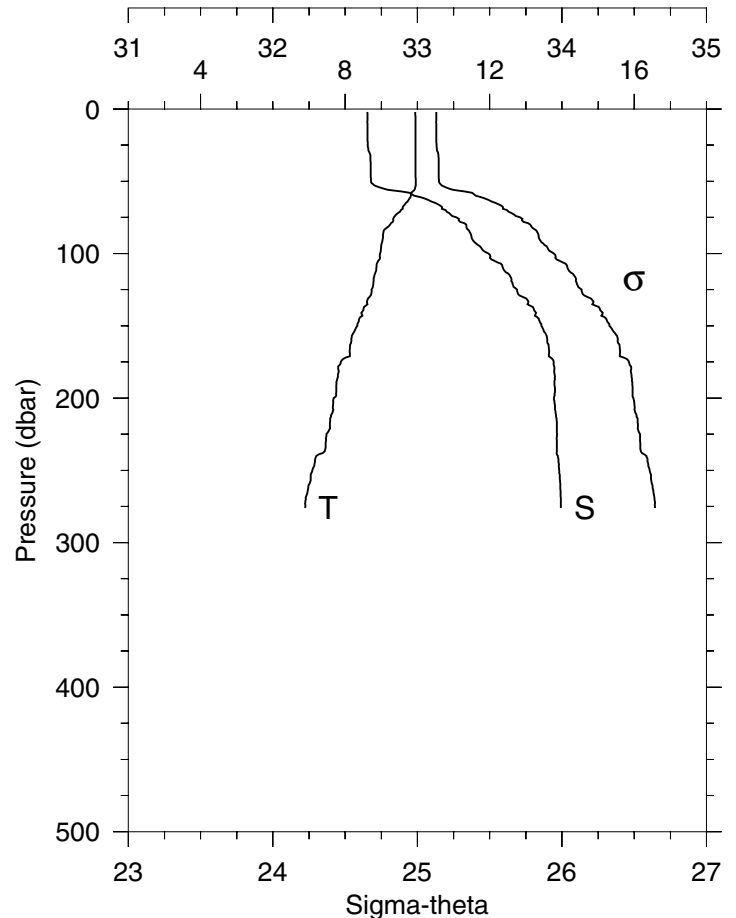
### Station 13 NH-35 Temperature, Salinity



STA: 13 NH-35 LAT: 44 39.1 N LONG: 124 53.1 W  
03 FEB 2000 0032 GMT DEPTH 448

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	9.87	32.645	9.87	25.136	0.056	0.63	4.53
10	9.88	32.645	9.87	25.135	0.282	0.62	4.53
20	9.87	32.644	9.86	25.136	0.564	0.58	4.53
30	9.84	32.644	9.84	25.140	0.846	0.61	4.54
40	9.84	32.645	9.83	25.142	1.128	0.56	4.55
50	9.78	32.648	9.78	25.153	1.410	0.54	4.56
60	9.67	32.650	9.66	25.173	1.691	0.45	4.57
70	9.36	33.213	9.35	25.664	1.954	0.16	4.62
80	9.01	33.465	9.00	25.917	2.173	0.14	4.62
90	8.84	33.583	8.83	26.036	2.378	0.13	4.61
100	8.80	33.639	8.79	26.085	2.573	0.13	4.61
110	8.60	33.707	8.59	26.170	2.763	0.14	4.61
120	8.48	33.749	8.47	26.221	2.947	0.14	4.61
130	8.43	33.789	8.42	26.261	3.127	0.13	4.61
140	8.25	33.847	8.24	26.333	3.301	0.14	4.62
150	8.20	33.868	8.19	26.357	3.471	0.14	4.62
175	7.91	33.926	7.89	26.447	3.881	0.14	4.62
200	7.66	33.972	7.64	26.519	4.274	0.14	4.60
225	7.37	33.984	7.35	26.570	4.652	0.14	4.58
250	7.07	33.990	7.05	26.617	5.019	0.14	4.59
275	6.80	33.997	6.78	26.659	5.377	0.15	4.59
300	6.62	34.007	6.59	26.692	5.728	0.14	4.59
350	6.40	34.024	6.37	26.734	6.413	0.14	4.58
400	6.02	34.032	5.99	26.789	7.076	0.14	4.60
427	5.86	34.036	5.83	26.813	7.426	0.15	4.59

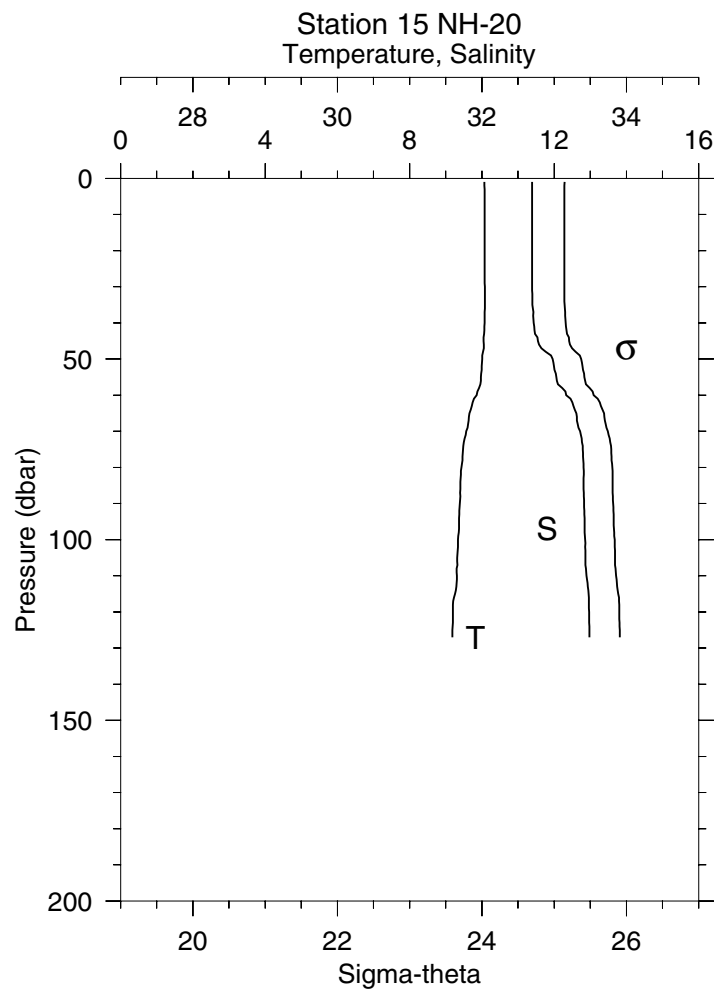
### Station 14 NH-25 Temperature, Salinity



STA: 14 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W  
03 FEB 2000 0209 GMT DEPTH 294

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	9.94	32.653	9.94	25.130	0.056	0.73	4.49
10	9.95	32.654	9.95	25.130	0.283	0.70	4.49
20	9.95	32.654	9.95	25.130	0.565	0.74	4.49
30	9.95	32.668	9.95	25.141	0.848	0.68	4.51
40	9.95	32.676	9.94	25.147	1.129	0.57	4.54
50	9.95	32.679	9.95	25.149	1.411	0.53	4.55
60	9.82	32.977	9.82	25.403	1.683	0.31	4.55
70	9.54	33.196	9.53	25.620	1.929	0.19	4.59
80	9.25	33.338	9.24	25.780	2.158	0.16	4.61
90	9.04	33.380	9.03	25.845	2.377	0.14	4.61
100	8.97	33.492	8.95	25.945	2.589	0.14	4.62
110	8.87	33.592	8.85	26.039	2.792	0.14	4.62
120	8.78	33.656	8.77	26.102	2.986	0.13	4.62
130	8.68	33.727	8.66	26.174	3.176	0.14	4.62
140	8.48	33.814	8.46	26.273	3.357	0.14	4.62
150	8.34	33.857	8.32	26.329	3.530	0.14	4.62
175	7.88	33.942	7.87	26.463	3.944	0.14	4.57
200	7.68	33.945	7.66	26.495	4.337	0.15	4.56
225	7.48	33.966	7.46	26.540	4.723	0.15	4.56
250	7.09	33.981	7.07	26.607	5.098	0.15	4.56
275	6.90	33.993	6.87	26.643	5.458	0.14	4.56
276	6.89	33.992	6.87	26.643	5.473	0.15	4.56

W0002A

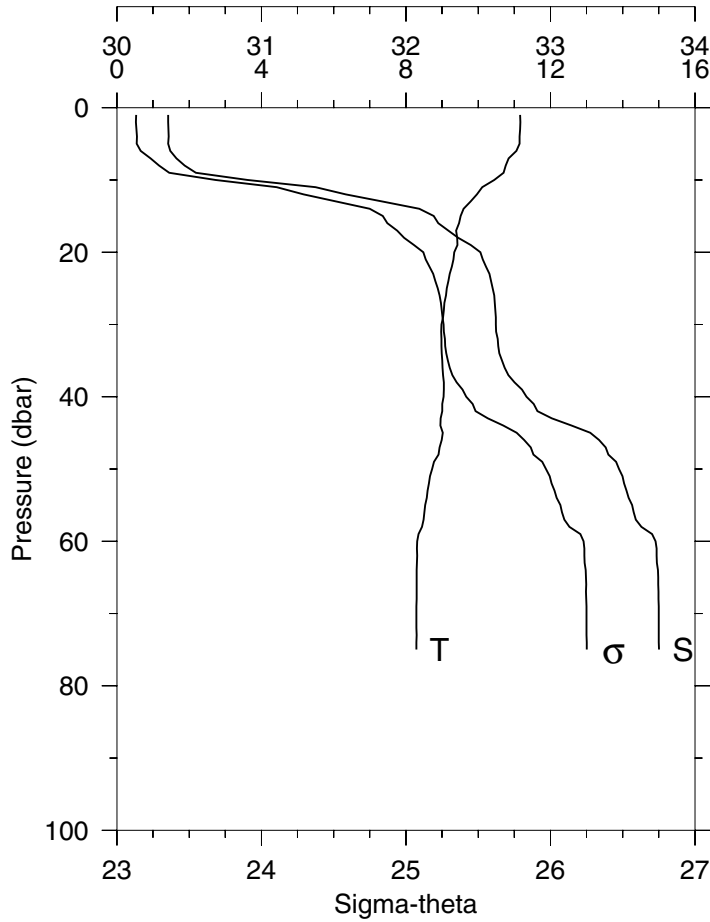


STA: 15 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W  
03 FEB 2000 0321 GMT DEPTH 142

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.07	32.696	10.07	25.143	0.028	0.64	4.49
10	10.08	32.696	10.07	25.141	0.281	0.65	4.49
20	10.08	32.696	10.07	25.141	0.563	0.67	4.49
30	10.08	32.696	10.08	25.141	0.845	0.68	4.49
40	10.07	32.718	10.07	25.159	1.126	0.58	4.53
50	10.01	32.978	10.00	25.373	1.400	0.34	4.56
60	9.85	33.168	9.85	25.547	1.655	0.21	4.53
70	9.57	33.358	9.56	25.743	1.887	0.18	4.28
80	9.44	33.408	9.43	25.804	2.109	0.18	4.24
90	9.39	33.414	9.38	25.816	2.328	0.17	4.04
100	9.34	33.429	9.32	25.837	2.547	0.18	3.85
110	9.30	33.446	9.29	25.856	2.763	0.18	4.08
120	9.20	33.483	9.18	25.902	2.976	0.18	4.02
127	9.18	33.488	9.17	25.908	3.124	0.18	3.97

W0004B

### Station 1 NH-10 Temperature, Salinity



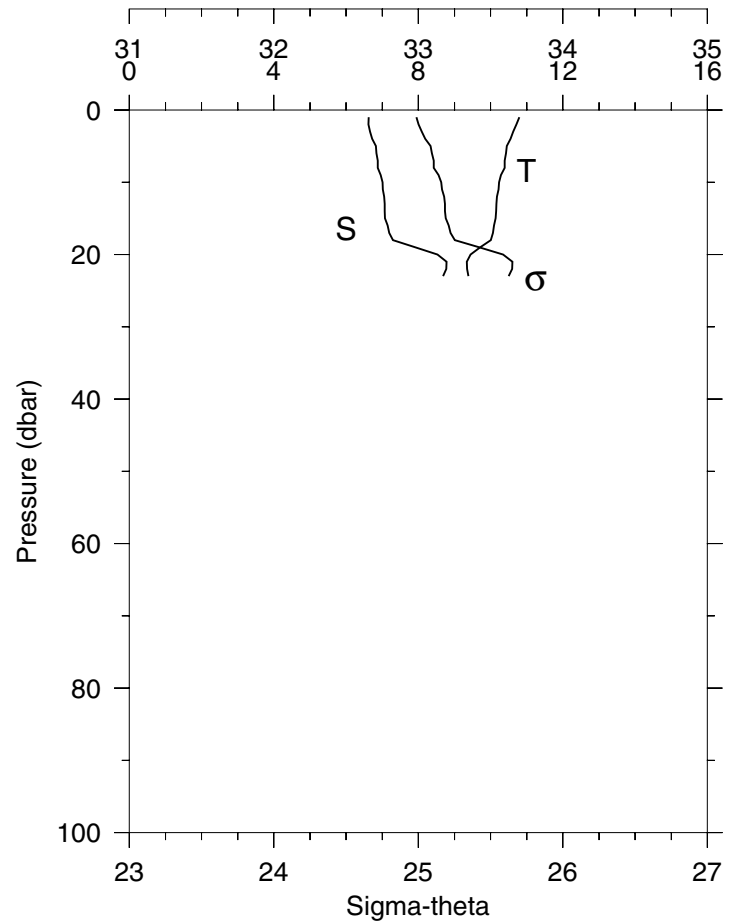
STA: 1 NH-10 LAT: 44 38.8 N LONG: 124 18.6 W  
11 APR 2000 2208 GMT DEPTH 81

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.16	30.355	11.16	23.133	0.047	0.54	4.31
10	10.44	30.904	10.44	23.683	0.465	1.11	4.20
20	9.34	32.515	9.34	25.120	0.791	1.26	4.38
30	8.98	32.622	8.98	25.260	1.067	0.37	4.56
40	9.04	32.834	9.04	25.417	1.333	0.26	4.57
50	8.72	33.475	8.72	25.968	1.560	0.16	4.50
60	8.31	33.728	8.31	26.229	1.754	0.16	4.53
70	8.29	33.749	8.28	26.250	1.932	0.17	4.51
75	8.29	33.751	8.28	26.252	2.020	0.17	4.51

STA: 2 NH-1 LAT: 44 39.1 N LONG: 124 6.1 W  
11 APR 2000 2346 GMT DEPTH 28

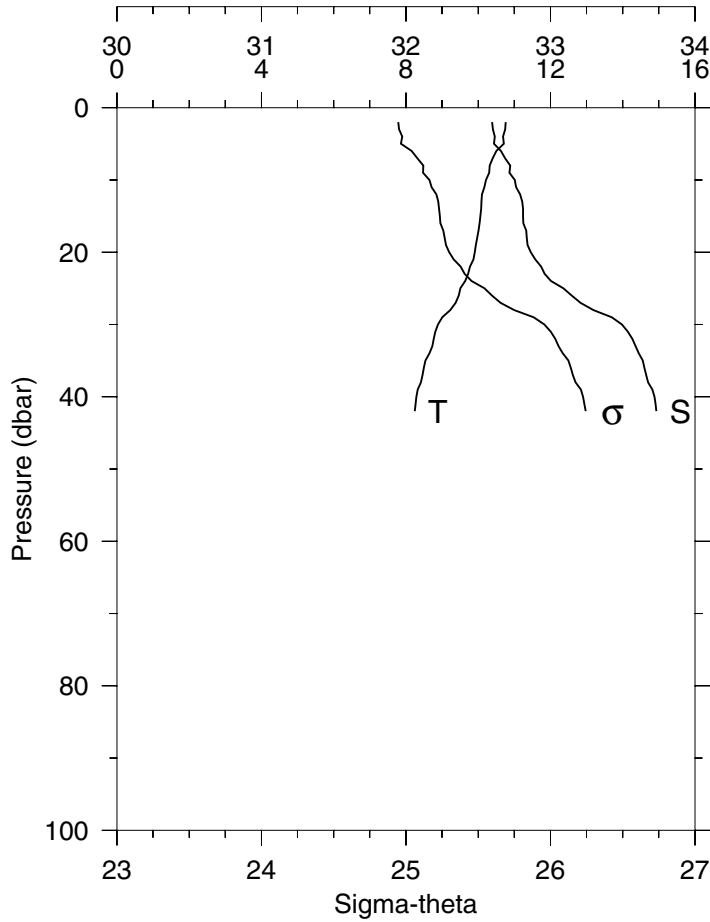
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.80	32.656	10.80	24.987	0.030	4.76	3.41
10	10.23	32.753	10.23	25.159	0.289	5.00	3.60
20	9.45	33.133	9.44	25.586	0.561	5.00	3.37
23	9.39	33.172	9.39	25.626	0.631	5.00	3.37

### Station 2 NH-1 Temperature, Salinity



W0004B

### Station 3 NH-3 Temperature, Salinity



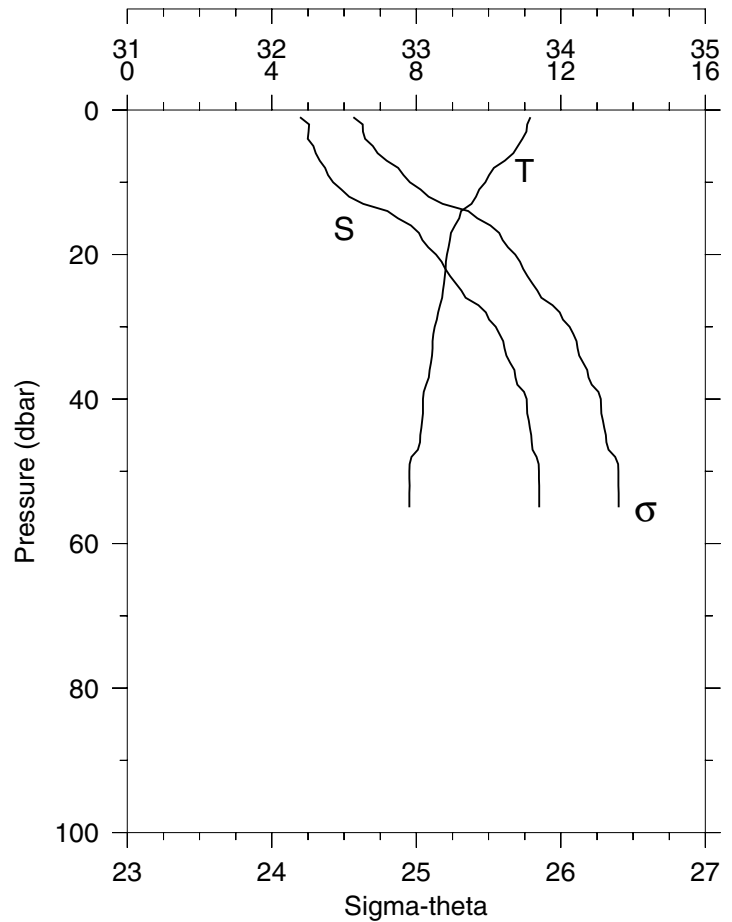
STA: 3 NH-3 LAT: 44 39.1 N LONG: 124 7.9 W  
12 APR 2000 0020 GMT DEPTH 48

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.76	32.596	10.76	24.946	0.060	5.00	3.43
10	10.21	32.753	10.21	25.163	0.293	5.00	3.77
20	9.91	32.863	9.91	25.299	0.566	5.00	3.91
30	8.88	33.494	8.88	25.958	0.808	2.07	4.22
40	8.29	33.719	8.29	26.225	0.998	0.48	4.10
42	8.24	33.733	8.24	26.244	1.033	0.70	4.11

STA: 4 NH-5 LAT: 44 39.1 N LONG: 124 10.7 W  
12 APR 2000 0103 GMT DEPTH 60

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.16	32.196	11.15	24.565	0.034	5.00	3.27
10	9.91	32.424	9.91	24.956	0.321	4.91	3.67
20	8.85	33.136	8.85	25.684	0.581	0.52	4.35
30	8.51	33.550	8.51	26.060	0.795	0.25	4.39
40	8.18	33.763	8.18	26.276	0.980	0.21	4.44
50	7.81	33.848	7.80	26.399	1.150	0.26	4.30
55	7.81	33.851	7.80	26.401	1.231	0.27	4.27

### Station 4 NH-5 Temperature, Salinity

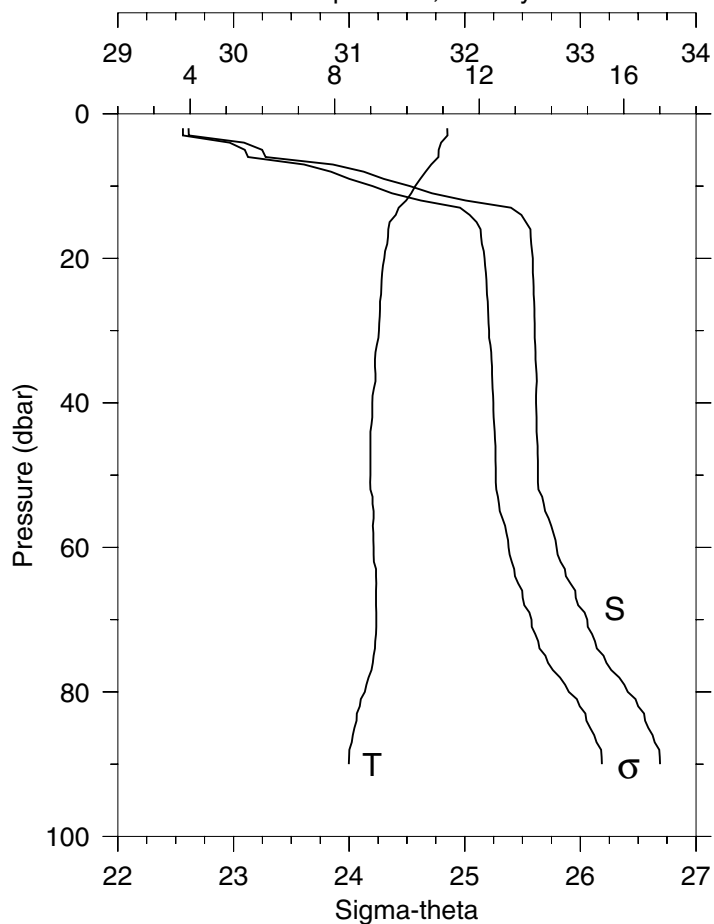




W0004B

### Station 5 NH-15 Temperature, Salinity

STA: 5 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W  
12 APR 2000 1045 GMT DEPTH 97

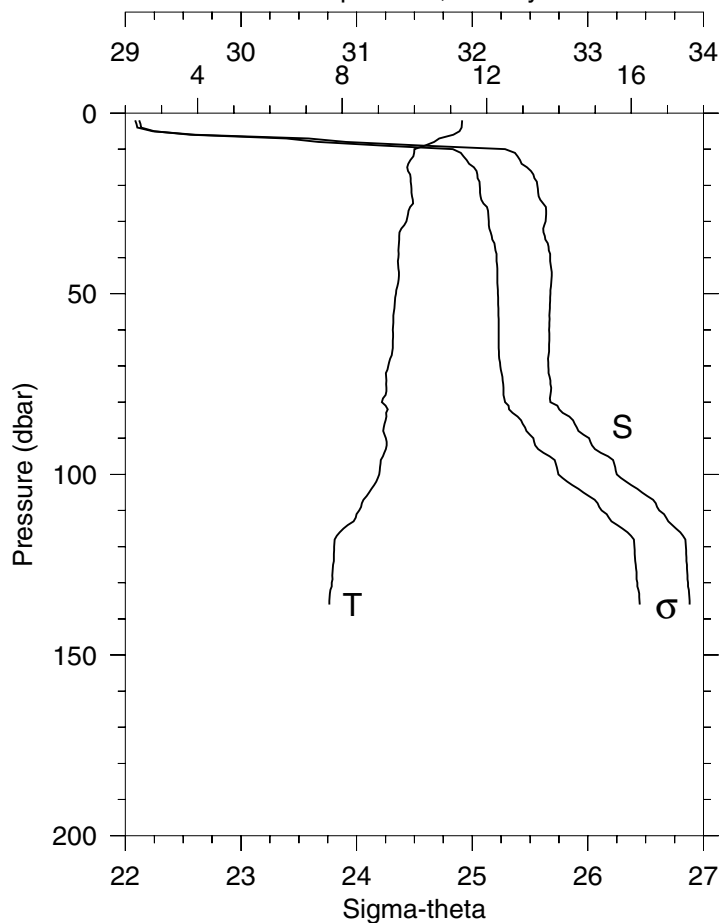


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	11.12	29.612	11.12	22.564	0.105	0.52	4.37
10	10.23	31.526	10.23	24.203	0.469	1.20	4.21
20	9.37	32.588	9.37	25.172	0.770	0.89	4.44
30	9.22	32.606	9.22	25.210	1.047	0.59	4.52
40	9.04	32.617	9.04	25.247	1.320	0.40	4.57
50	8.99	32.632	8.98	25.268	1.591	0.35	4.58
60	9.07	32.793	9.07	25.380	1.857	0.21	4.57
70	9.15	33.060	9.15	25.577	2.109	0.18	4.57
80	8.83	33.409	8.82	25.900	2.338	0.15	4.50
90	8.40	33.690	8.39	26.187	2.531	0.15	4.53

STA: 6 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W  
12 APR 2000 1211 GMT DEPTH 143

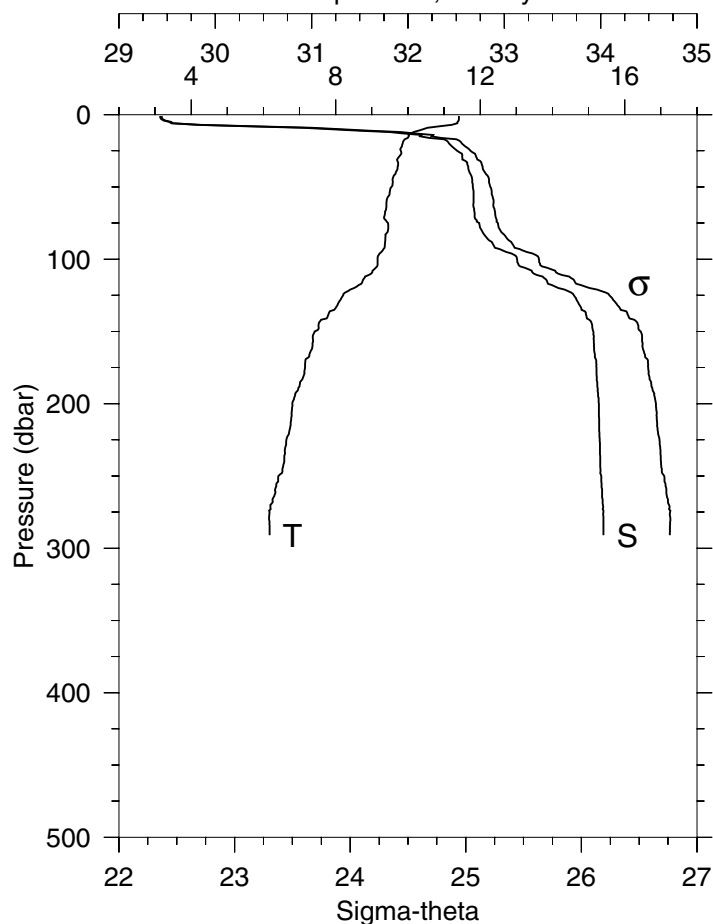
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	11.32	29.086	11.32	22.120	0.114	0.37	4.46
10	10.00	32.283	10.00	24.831	0.504	0.97	4.27
20	9.91	32.563	9.91	25.065	0.800	0.96	4.39
30	9.78	32.634	9.77	25.143	1.085	0.96	4.43
40	9.55	32.673	9.55	25.209	1.364	0.58	4.54
50	9.49	32.676	9.48	25.222	1.639	0.62	4.55
60	9.40	32.665	9.40	25.228	1.913	0.52	4.57
70	9.27	32.657	9.27	25.243	2.187	0.45	4.58
80	9.10	32.677	9.09	25.285	2.458	0.32	4.60
90	9.21	33.010	9.20	25.529	2.716	0.19	4.60
100	9.03	33.250	9.02	25.746	2.951	0.16	4.53
110	8.47	33.618	8.46	26.120	3.157	0.16	4.53
120	7.78	33.847	7.77	26.403	3.332	0.19	4.45
130	7.71	33.865	7.70	26.427	3.494	0.21	4.42
136	7.64	33.881	7.63	26.449	3.590	0.21	4.39

### Station 6 NH-20 Temperature, Salinity



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### Station 7 NH-25 Temperature, Salinity



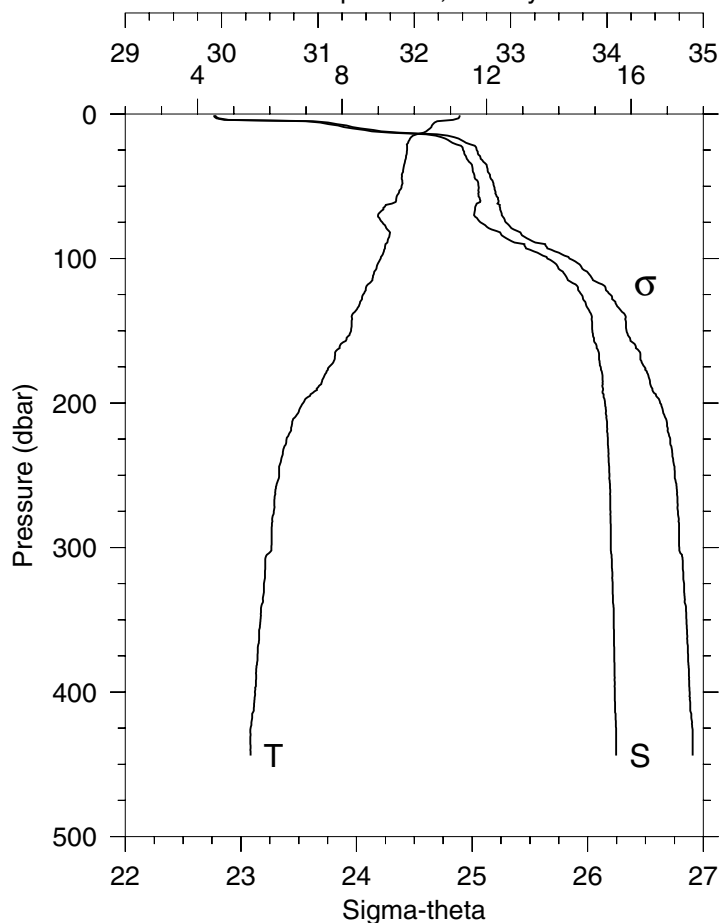
STA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W  
12 APR 2000 1346 GMT DEPTH 296

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	11.41	29.426	11.41	22.369	0.055	0.45	4.44
10	10.43	31.181	10.43	23.901	0.513	0.72	4.37
20	9.85	32.426	9.85	24.967	0.841	1.03	4.42
30	9.73	32.564	9.72	25.096	1.132	0.68	4.53
40	9.66	32.641	9.66	25.167	1.415	0.44	4.57
50	9.54	32.673	9.54	25.212	1.692	0.29	4.59
60	9.41	32.681	9.40	25.240	1.966	0.25	4.60
70	9.35	32.691	9.35	25.256	2.238	0.22	4.60
80	9.45	32.764	9.44	25.298	2.508	0.19	4.58
90	9.36	32.887	9.35	25.409	2.771	0.16	4.58
100	9.16	33.133	9.15	25.633	3.017	0.15	4.54
110	8.98	33.307	8.97	25.798	3.248	0.17	4.52
120	8.51	33.562	8.50	26.070	3.456	0.18	4.53
130	8.08	33.766	8.07	26.295	3.637	0.15	4.54
140	7.77	33.856	7.76	26.411	3.805	0.15	4.53
150	7.42	33.923	7.40	26.514	3.962	0.15	4.54
175	7.16	33.956	7.14	26.578	4.339	0.15	4.53
200	6.80	33.981	6.78	26.646	4.701	0.14	4.55
225	6.64	33.991	6.62	26.676	5.052	0.15	4.56
250	6.42	34.006	6.39	26.717	5.397	0.15	4.56
275	6.17	34.028	6.14	26.767	5.730	0.15	4.55
291	6.17	34.028	6.14	26.766	5.940	0.15	4.54

STA: 8 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W  
12 APR 2000 1555 GMT DEPTH 449

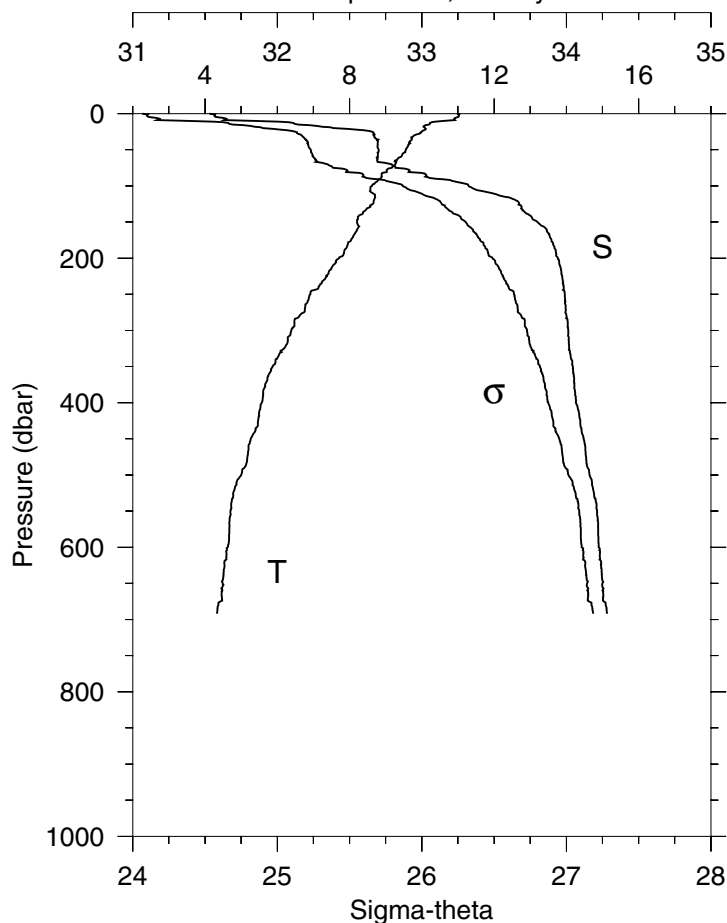
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	11.26	29.918	11.26	22.777	0.051	0.28	4.42
10	10.43	31.357	10.43	24.037	0.450	0.98	4.29
20	9.83	32.395	9.82	24.948	0.780	1.28	4.37
30	9.77	32.540	9.76	25.071	1.072	0.86	4.46
40	9.69	32.608	9.68	25.137	1.357	0.71	4.51
50	9.65	32.666	9.64	25.189	1.637	0.49	4.56
60	9.50	32.685	9.49	25.228	1.913	0.45	4.58
70	9.00	32.621	8.99	25.257	2.186	0.29	4.58
80	9.25	32.802	9.24	25.359	2.454	0.20	4.58
90	9.20	33.142	9.19	25.633	2.706	0.16	4.53
100	9.07	33.381	9.06	25.842	2.934	0.14	4.59
110	8.89	33.550	8.88	26.003	3.142	0.14	4.60
120	8.66	33.698	8.65	26.154	3.338	0.14	4.60
130	8.50	33.774	8.49	26.238	3.521	0.14	4.60
140	8.27	33.843	8.25	26.328	3.697	0.14	4.60
150	8.25	33.848	8.23	26.335	3.868	0.14	4.60
175	7.65	33.933	7.63	26.490	4.275	0.14	4.59
200	6.93	33.979	6.91	26.627	4.651	0.15	4.59
225	6.47	34.009	6.45	26.713	4.998	0.16	4.59
250	6.26	34.025	6.23	26.752	5.332	0.15	4.59
275	6.11	34.036	6.09	26.780	5.657	0.15	4.59
300	6.04	34.040	6.02	26.792	5.979	0.15	4.59
350	5.74	34.070	5.71	26.854	6.605	0.15	4.55
400	5.59	34.082	5.56	26.882	7.216	0.15	4.52
444	5.46	34.095	5.43	26.908	7.743	0.15	4.50

### Station 8 NH-35 Temperature, Salinity



W0004B

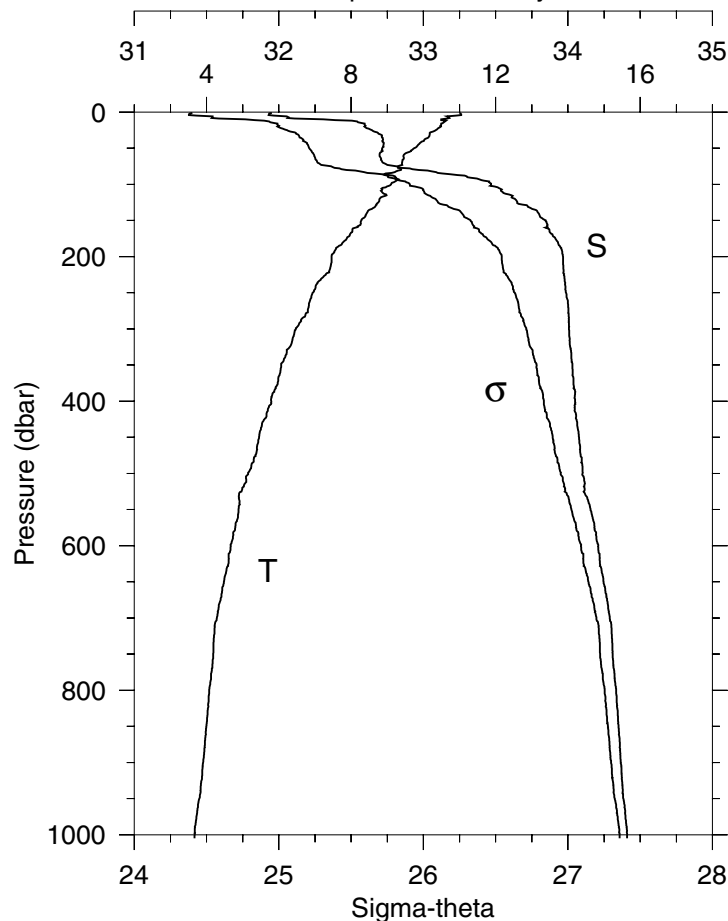
### Station 9 NH-45 Temperature, Salinity



STA: 9 NH-45 LAT: 44 39.1 N LONG: 125 7.1 W  
12 APR 2000 1856 GMT DEPTH 700

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
0	11.06	31.530	11.06	24.064	0.000	0.37	4.49
10	10.62	31.831	10.62	24.375	0.376	0.50	4.46
20	10.09	32.388	10.09	24.899	0.699	0.64	4.50
30	9.80	32.667	9.79	25.166	0.985	0.48	4.56
40	9.65	32.696	9.65	25.212	1.262	0.44	4.57
50	9.56	32.701	9.55	25.231	1.537	0.35	4.59
60	9.42	32.695	9.41	25.249	1.811	0.31	4.59
70	9.26	32.791	9.25	25.349	2.080	0.22	4.61
80	9.03	32.910	9.02	25.478	2.337	0.19	4.61
90	8.85	33.097	8.84	25.654	2.578	0.17	4.61
100	8.62	33.323	8.61	25.867	2.799	0.18	4.61
110	8.64	33.485	8.63	25.990	3.008	0.15	4.61
120	8.67	33.650	8.66	26.114	3.205	0.14	4.60
130	8.54	33.690	8.53	26.166	3.394	0.14	4.60
140	8.30	33.741	8.29	26.243	3.577	0.14	4.61
150	8.21	33.800	8.20	26.302	3.753	0.14	4.61
175	8.05	33.896	8.03	26.403	4.175	0.14	4.59
200	7.70	33.941	7.68	26.489	4.577	0.15	4.59
225	7.37	33.970	7.35	26.559	4.960	0.15	4.59
250	6.91	33.989	6.89	26.637	5.327	0.15	4.60
275	6.74	33.993	6.71	26.665	5.681	0.15	4.59
300	6.39	34.013	6.36	26.727	6.024	0.15	4.58
350	5.87	34.044	5.84	26.817	6.682	0.15	4.58
400	5.56	34.067	5.53	26.874	7.302	0.15	4.60
450	5.26	34.120	5.23	26.951	7.896	0.15	4.58
500	5.00	34.161	4.96	27.015	8.458	0.15	4.57
600	4.63	34.223	4.58	27.106	9.492	0.15	4.57
692	4.33	34.279	4.28	27.184	10.393	0.16	4.59

### Station 10 NH-55 Temperature, Salinity



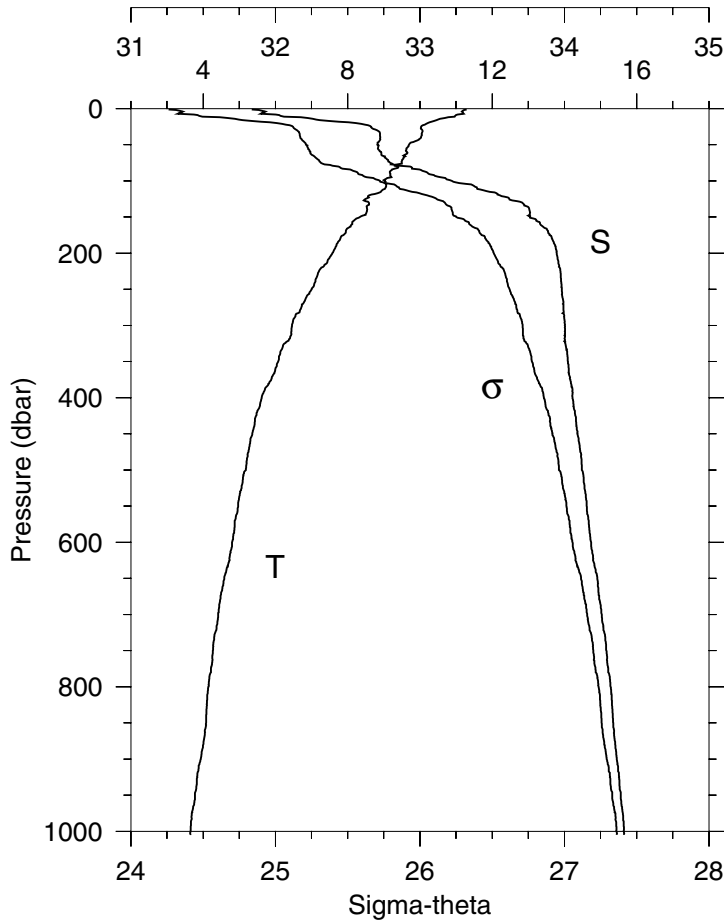
STA: 10 NH-55 LAT: 44 39.2 N LONG: 125 22.0 W  
12 APR 2000 2326 GMT DEPTH 2865

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	11.00	31.952	11.00	24.402	0.035	0.45	4.40
10	10.50	32.307	10.50	24.767	0.345	0.80	4.32
20	10.48	32.592	10.48	24.991	0.645	1.25	4.36
30	10.18	32.689	10.18	25.119	0.935	0.78	4.49
40	10.02	32.716	10.01	25.167	1.216	0.67	4.53
50	9.75	32.716	9.75	25.211	1.493	0.48	4.58
60	9.45	32.697	9.44	25.246	1.767	0.32	4.60
70	9.41	32.721	9.40	25.270	2.039	0.28	4.60
80	9.38	32.969	9.37	25.469	2.302	0.19	4.60
90	9.23	33.304	9.22	25.756	2.536	0.16	4.59
100	9.10	33.469	9.09	25.905	2.753	0.14	4.59
110	8.85	33.545	8.84	26.005	2.958	0.14	4.59
120	8.79	33.632	8.78	26.082	3.156	0.14	4.59
130	8.68	33.721	8.66	26.169	3.347	0.14	4.59
140	8.43	33.796	8.42	26.266	3.528	0.14	4.60
150	8.29	33.846	8.27	26.327	3.703	0.14	4.60
175	7.88	33.913	7.86	26.441	4.120	0.15	4.60
200	7.46	33.966	7.44	26.542	4.508	0.15	4.60
225	7.30	33.973	7.28	26.572	4.886	0.15	4.59
250	6.94	33.987	6.92	26.632	5.250	0.15	4.60
275	6.80	34.004	6.78	26.665	5.605	0.15	4.60
300	6.47	34.008	6.44	26.712	5.952	0.15	4.60
350	6.06	34.032	6.03	26.784	6.620	0.15	4.61
400	5.79	34.050	5.76	26.833	7.262	0.15	4.61
450	5.45	34.077	5.42	26.895	7.878	0.15	4.61
500	5.15	34.101	5.11	26.950	8.469	0.15	4.61
600	4.67	34.210	4.62	27.091	9.557	0.15	4.60
800	4.08	34.333	4.02	27.254	11.445	0.15	4.59
1000	3.67	34.409	3.60	27.357	13.134	0.15	4.59
1005	3.66	34.410	3.59	27.358	13.174	0.15	4.59

W0004B

# Station 11 NH-65 Temperature, Salinity

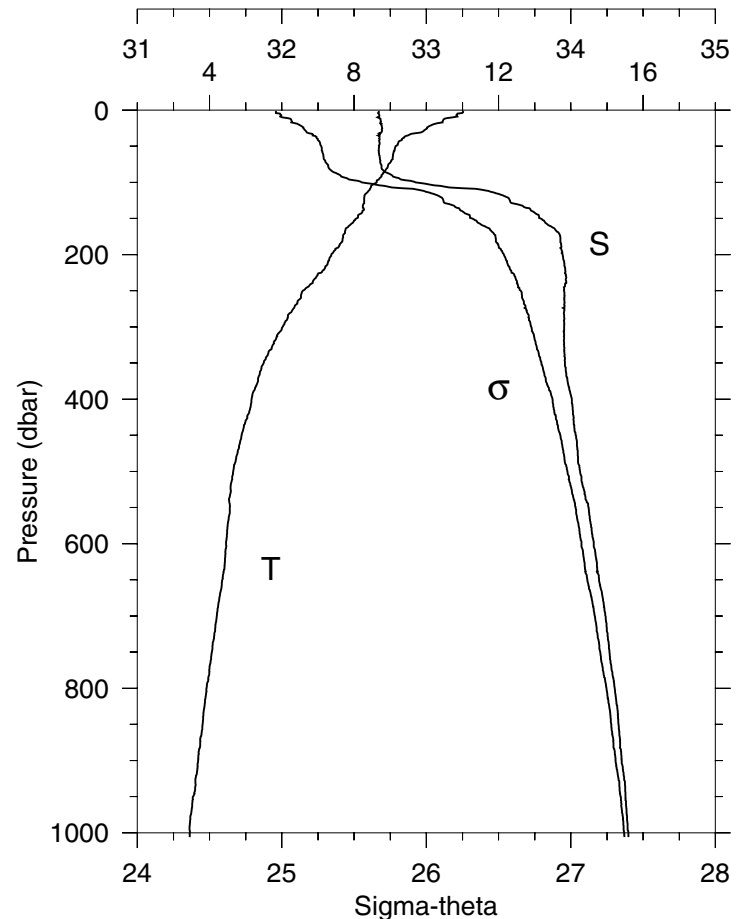
STA: 11 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W  
13 APR 2000 0111 GMT DEPTH 2860



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.29	31.836	11.29	24.261	0.037	0.39	4.45
10	10.98	32.036	10.98	24.473	0.356	0.48	4.41
20	10.22	32.558	10.22	25.010	0.676	1.19	4.34
30	10.07	32.704	10.06	25.150	0.961	0.81	4.48
40	10.03	32.726	10.03	25.172	1.241	0.67	4.52
50	9.70	32.705	9.69	25.211	1.518	0.33	4.59
60	9.64	32.731	9.63	25.241	1.792	0.29	4.60
70	9.52	32.772	9.51	25.292	2.063	0.22	4.59
80	9.40	32.932	9.40	25.436	2.328	0.20	4.60
90	9.18	33.060	9.17	25.573	2.575	0.17	4.61
100	9.03	33.222	9.02	25.723	2.811	0.15	4.61
110	9.04	33.395	9.03	25.857	3.031	0.14	4.60
120	8.59	33.553	8.58	26.050	3.238	0.14	4.61
130	8.59	33.707	8.57	26.172	3.429	0.14	4.57
140	8.54	33.757	8.52	26.220	3.612	0.14	4.57
150	8.34	33.760	8.33	26.252	3.793	0.14	4.59
175	7.88	33.897	7.86	26.427	4.214	0.14	4.58
200	7.57	33.946	7.55	26.512	4.608	0.16	4.56
225	7.20	33.972	7.18	26.584	4.986	0.14	4.58
250	7.00	33.982	6.98	26.620	5.353	0.15	4.55
275	6.72	33.993	6.70	26.667	5.709	0.15	4.57
300	6.46	34.003	6.43	26.710	6.055	0.15	4.59
350	6.07	34.024	6.05	26.776	6.726	0.15	4.57
400	5.62	34.055	5.58	26.858	7.362	0.15	4.58
450	5.36	34.089	5.32	26.915	7.965	0.15	4.59
500	5.18	34.120	5.14	26.961	8.544	0.15	4.59
600	4.80	34.184	4.75	27.056	9.642	0.15	4.57
800	4.14	34.319	4.08	27.236	11.591	0.17	4.60
1000	3.65	34.411	3.58	27.360	13.292	0.15	4.59
1005	3.64	34.412	3.57	27.362	13.332	0.14	4.59

# Station 12 NH-85 Temperature, Salinity

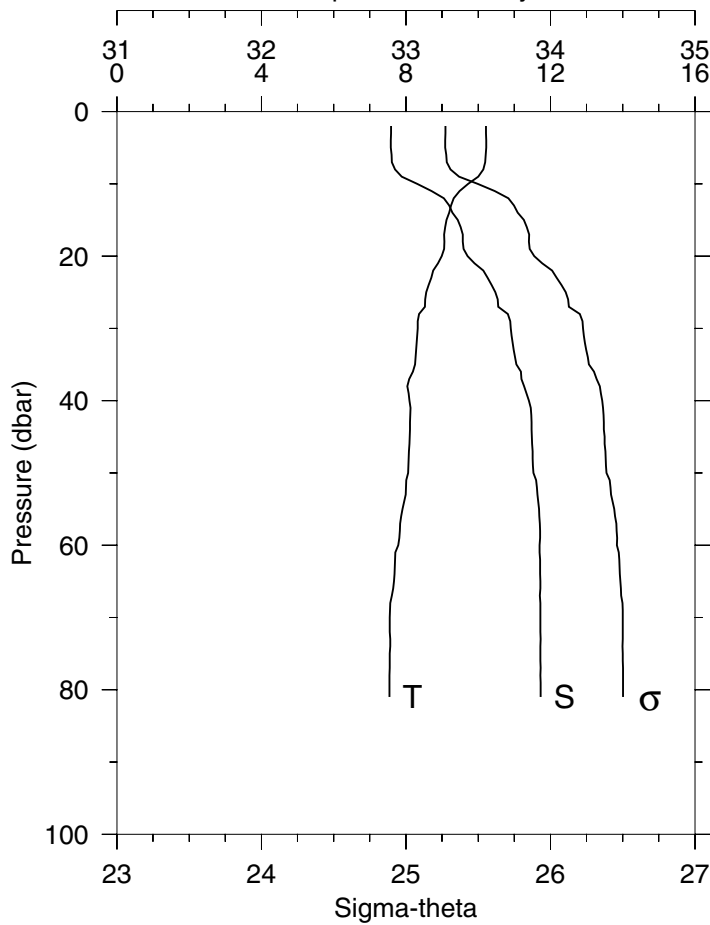
STA: 12 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W  
13 APR 2000 0402 GMT DEPTH 2885



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.02	32.670	11.02	24.958	0.030	0.80	4.37
10	10.74	32.663	10.74	25.002	0.297	0.92	4.38
20	10.18	32.686	10.18	25.116	0.586	0.89	4.47
30	9.90	32.692	9.89	25.169	0.867	0.70	4.53
40	9.32	32.677	9.32	25.249	1.142	0.63	4.55
50	9.15	32.673	9.15	25.273	1.412	0.56	4.57
60	9.09	32.673	9.08	25.284	1.682	0.52	4.59
70	9.03	32.682	9.02	25.301	1.950	0.49	4.59
80	8.92	32.690	8.91	25.324	2.216	0.36	4.60
90	8.76	32.761	8.75	25.404	2.479	0.24	4.61
100	8.62	32.926	8.61	25.554	2.731	0.20	4.62
110	8.43	33.378	8.42	25.938	2.959	0.15	4.62
120	8.28	33.551	8.27	26.096	3.158	0.14	4.62
130	8.26	33.622	8.25	26.156	3.348	0.14	4.62
140	8.24	33.735	8.22	26.248	3.531	0.14	4.61
150	8.06	33.790	8.05	26.316	3.706	0.14	4.61
175	7.70	33.926	7.68	26.478	4.114	0.14	4.60
200	7.37	33.943	7.35	26.537	4.503	0.15	4.60
225	7.08	33.959	7.06	26.591	4.877	0.14	4.60
250	6.58	33.953	6.56	26.653	5.237	0.15	4.61
275	6.32	33.955	6.30	26.689	5.586	0.15	4.61
300	6.02	33.953	5.99	26.727	5.927	0.14	4.61
350	5.50	33.960	5.47	26.796	6.586	0.14	4.61
400	5.16	34.007	5.13	26.873	7.212	0.14	4.61
450	4.89	34.034	4.85	26.927	7.809	0.14	4.61
500	4.65	34.064	4.61	26.976	8.383	0.14	4.61
600	4.46	34.158	4.41	27.073	9.461	0.15	4.61
800	3.91	34.304	3.86	27.247	11.388	0.15	4.61
1000	3.45	34.398	3.38	27.369	13.050	0.15	4.61
1006	3.45	34.399	3.38	27.370	13.097	0.14	4.61

W0004B

### Station 13 FM-4 Temperature, Salinity



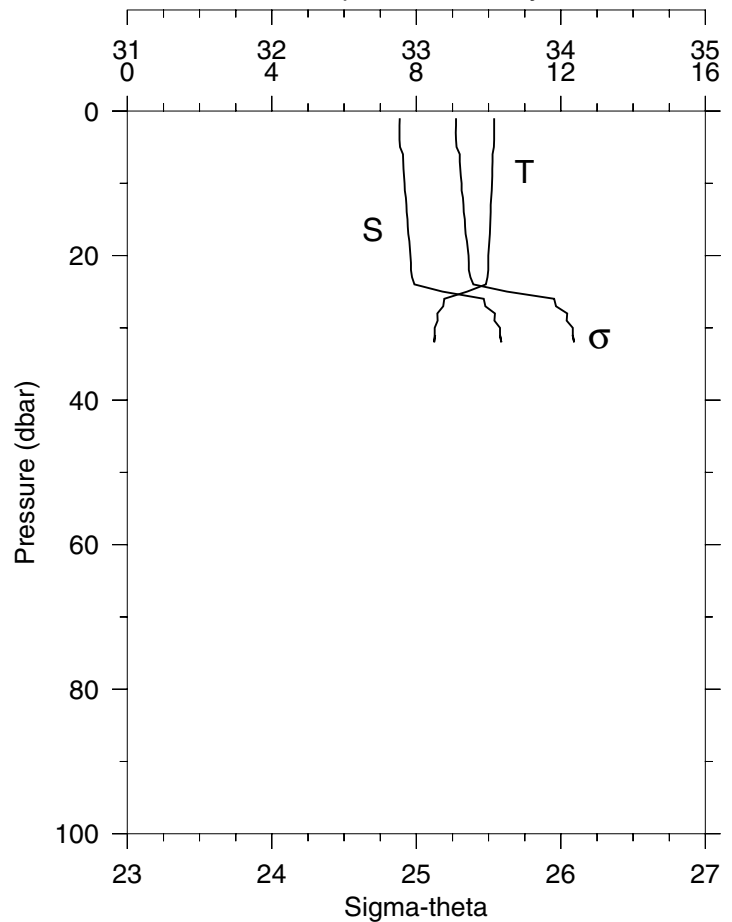
STA: 13 FM-4 LAT: 43 13.1 N LONG: 124 35.1 W  
13 APR 2000 1403 GMT DEPTH 85

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.22	32.897	10.22	25.274	0.054	1.19	4.27
10	9.72	33.078	9.72	25.497	0.266	1.19	4.28
20	8.99	33.426	8.99	25.888	0.488	0.69	4.40
30	8.32	33.725	8.32	26.225	0.679	0.25	4.49
40	8.10	33.851	8.10	26.358	0.853	0.16	4.52
50	8.06	33.883	8.06	26.388	1.018	0.15	4.57
60	7.79	33.924	7.78	26.460	1.177	0.15	4.57
70	7.55	33.931	7.55	26.500	1.332	0.17	4.47
80	7.54	33.932	7.53	26.503	1.485	0.17	4.47
81	7.54	33.932	7.53	26.503	1.500	0.17	4.46

STA: 14 FM-1 LAT: 43 13.1 N LONG: 124 26.0 W  
13 APR 2000 1605 GMT DEPTH 36

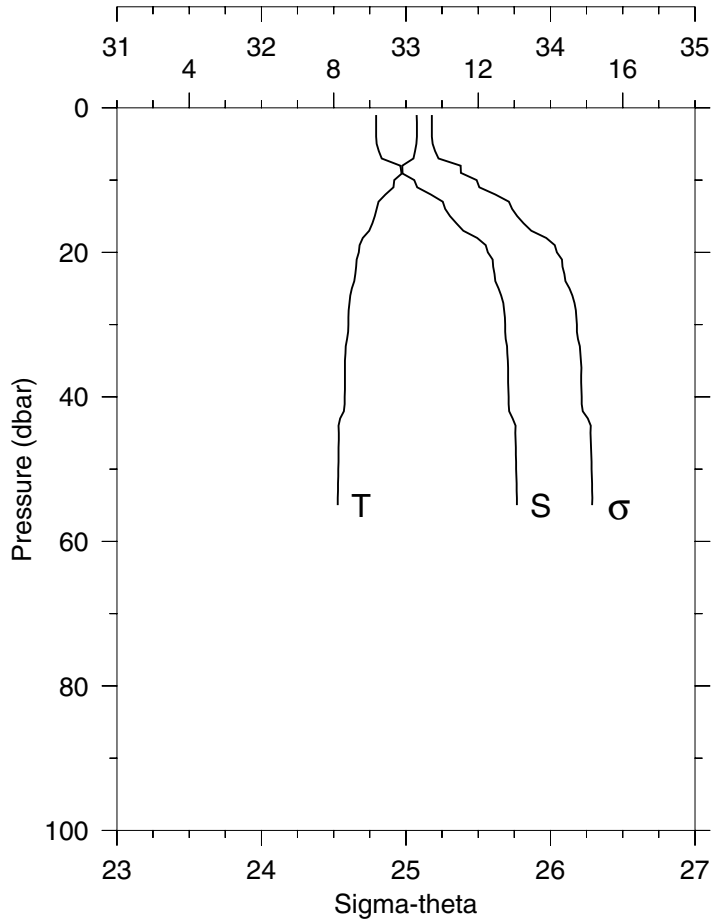
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.15	32.885	10.15	25.275	0.027	1.72	4.20
10	10.09	32.919	10.09	25.313	0.267	1.83	4.22
20	9.99	32.960	9.99	25.361	0.531	1.09	4.25
30	8.51	33.579	8.51	26.082	0.761	0.85	3.68
31	8.52	33.579	8.52	26.081	0.780	0.98	3.50

### Station 14 FM-1 Temperature, Salinity



W0004B

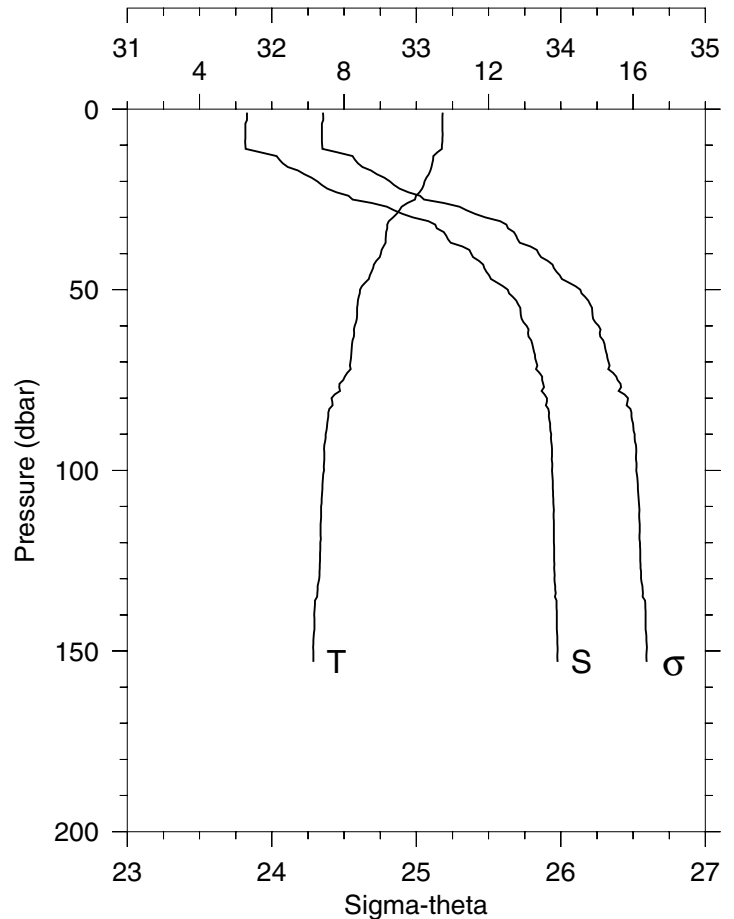
### Station 15 FM-3 Temperature, Salinity



STA: 15 FM-3 LAT: 43 13.1 N LONG: 124 30.0 W  
13 APR 2000 1650 GMT DEPTH 61

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.30	32.793	10.30	25.179	0.028	1.65	4.13
10	9.68	33.057	9.68	25.489	0.272	1.38	4.24
20	8.70	33.567	8.70	26.044	0.493	0.59	4.42
30	8.40	33.686	8.40	26.182	0.681	0.67	4.33
40	8.30	33.710	8.30	26.217	0.862	0.64	4.32
50	8.12	33.763	8.12	26.285	1.037	0.49	4.32
55	8.11	33.767	8.11	26.289	1.124	0.49	4.32

### Station 16 FM-5 Temperature, Salinity

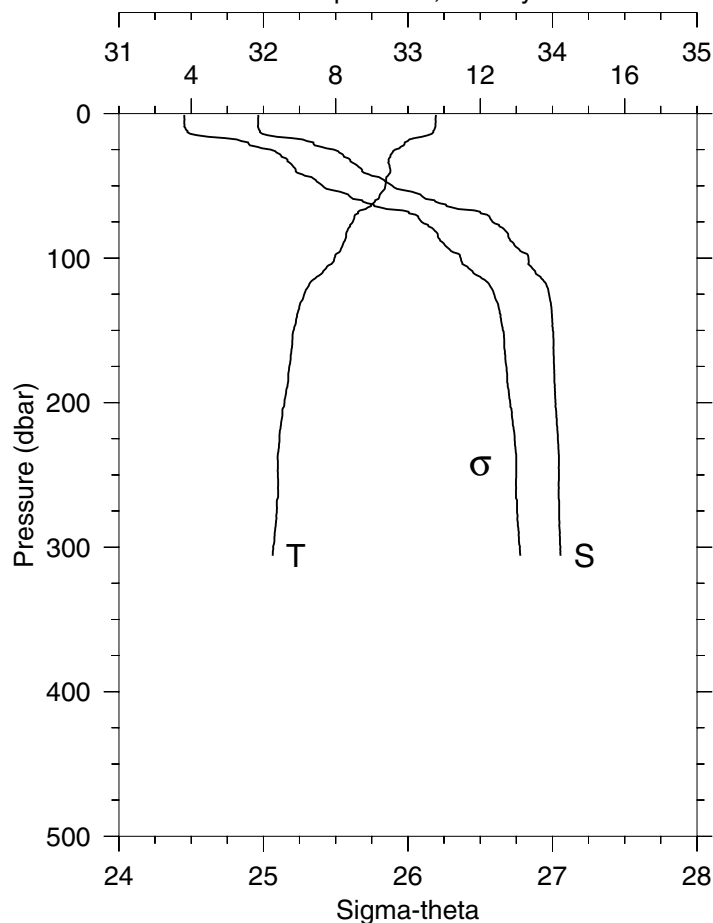


STA: 16 FM-5 LAT: 43 13.1 N LONG: 124 40.0 W  
13 APR 2000 1844 GMT DEPTH 157

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.73	31.828	10.73	24.354	0.036	0.35	4.40
10	10.71	31.818	10.71	24.349	0.357	0.43	4.40
20	10.23	32.315	10.23	24.818	0.691	0.88	4.34
30	9.35	32.976	9.35	25.478	0.975	0.77	4.38
40	9.02	33.379	9.02	25.847	1.205	0.69	4.42
50	8.44	33.633	8.44	26.135	1.407	0.41	4.48
60	8.29	33.764	8.29	26.261	1.589	0.18	4.54
70	8.18	33.830	8.17	26.330	1.762	0.15	4.57
80	7.65	33.904	7.64	26.465	1.926	0.16	4.52
90	7.49	33.933	7.48	26.511	2.081	0.16	4.49
100	7.45	33.939	7.44	26.522	2.233	0.18	4.40
110	7.37	33.950	7.36	26.542	2.384	0.20	4.26
120	7.34	33.952	7.33	26.547	2.533	0.19	4.28
130	7.31	33.956	7.30	26.555	2.683	0.18	4.35
140	7.18	33.972	7.16	26.587	2.830	0.17	4.38
150	7.15	33.977	7.14	26.594	2.976	0.17	4.35
153	7.15	33.977	7.14	26.594	3.020	0.17	4.35

W0004B

### Station 17 FM-6 Temperature, Salinity



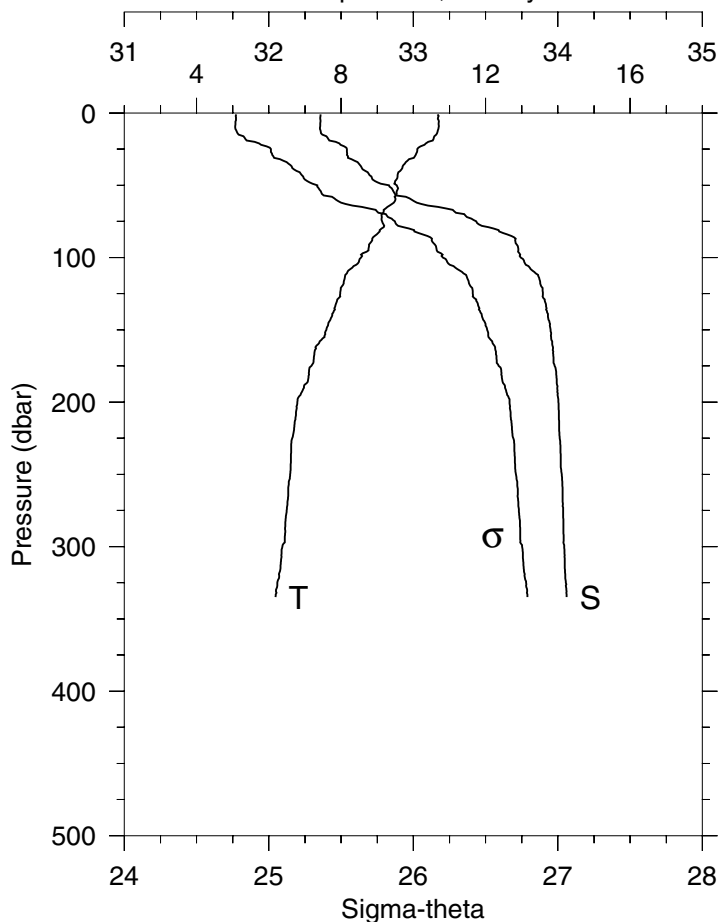
STA: 17 FM-6 LAT: 43 13.1 N LONG: 124 45.0 W  
13 APR 2000 2138 GMT DEPTH 311

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.77	31.964	10.77	24.452	0.035	0.39	4.35
10	10.74	31.966	10.74	24.459	0.347	0.50	4.36
20	9.91	32.345	9.91	24.894	0.679	1.28	4.30
30	9.51	32.557	9.51	25.125	0.972	0.84	4.47
40	9.51	32.682	9.51	25.224	1.249	0.44	4.55
50	9.37	32.893	9.37	25.410	1.514	0.28	4.55
60	9.09	33.183	9.09	25.682	1.758	0.25	4.53
70	8.54	33.546	8.54	26.052	1.974	0.48	4.45
80	8.34	33.665	8.34	26.176	2.165	0.32	4.47
90	8.21	33.733	8.20	26.250	2.346	0.23	4.49
100	7.96	33.835	7.95	26.366	2.518	0.16	4.53
110	7.64	33.882	7.62	26.450	2.682	0.17	4.50
120	7.23	33.963	7.22	26.572	2.834	0.17	4.51
130	7.05	33.986	7.03	26.615	2.979	0.15	4.52
140	6.93	33.997	6.92	26.640	3.121	0.15	4.51
150	6.83	34.002	6.82	26.657	3.262	0.15	4.45
175	6.72	34.011	6.70	26.681	3.608	0.16	4.52
200	6.58	34.021	6.56	26.707	3.950	0.15	4.51
225	6.44	34.038	6.42	26.738	4.286	0.15	4.50
250	6.40	34.044	6.38	26.749	4.616	0.15	4.52
275	6.37	34.046	6.34	26.755	4.947	0.15	4.53
300	6.27	34.055	6.24	26.775	5.276	0.15	4.50
306	6.26	34.055	6.23	26.777	5.354	0.15	4.41

STA: 18 FM-7 LAT: 43 13.1 N LONG: 124 50.0 W  
13 APR 2000 2235 GMT DEPTH 342

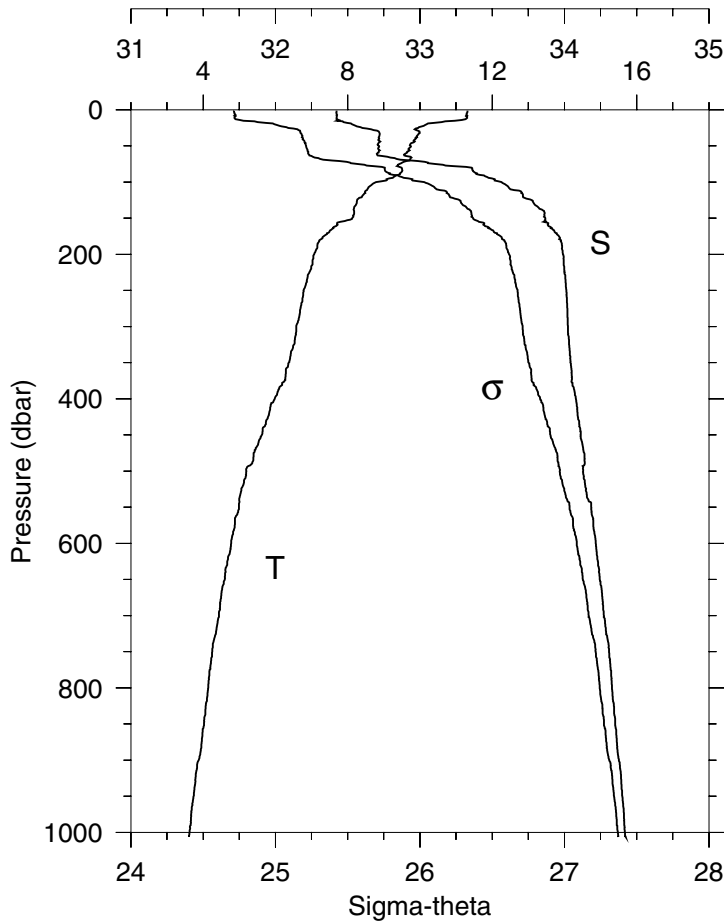
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.67	32.357	10.67	24.775	0.032	0.86	4.28
10	10.70	32.354	10.70	24.768	0.317	1.11	4.27
20	10.41	32.462	10.41	24.902	0.630	1.30	4.35
30	10.04	32.547	10.04	25.031	0.926	1.09	4.44
40	9.64	32.668	9.63	25.192	1.210	0.50	4.54
50	9.54	32.831	9.54	25.335	1.482	0.27	4.59
60	9.50	32.988	9.50	25.465	1.741	0.20	4.58
70	9.12	33.352	9.11	25.810	1.978	0.17	4.58
80	9.12	33.555	9.11	25.970	2.191	0.14	4.59
90	8.81	33.709	8.80	26.140	2.385	0.14	4.60
100	8.56	33.743	8.55	26.205	2.570	0.14	4.59
110	8.17	33.838	8.16	26.337	2.747	0.14	4.59
120	8.02	33.886	8.01	26.397	2.913	0.14	4.60
130	7.89	33.910	7.88	26.436	3.075	0.14	4.60
140	7.75	33.932	7.74	26.474	3.234	0.15	4.60
150	7.59	33.950	7.58	26.511	3.390	0.15	4.60
175	7.18	33.977	7.16	26.590	3.764	0.16	4.57
200	6.79	34.004	6.77	26.665	4.121	0.15	4.58
225	6.65	34.013	6.63	26.692	4.468	0.15	4.59
250	6.59	34.027	6.57	26.711	4.809	0.15	4.56
275	6.50	34.036	6.47	26.730	5.147	0.15	4.54
300	6.38	34.045	6.35	26.753	5.482	0.15	4.56
335	6.19	34.060	6.16	26.790	5.941	0.15	4.52

### Station 18 FM-7 Temperature, Salinity



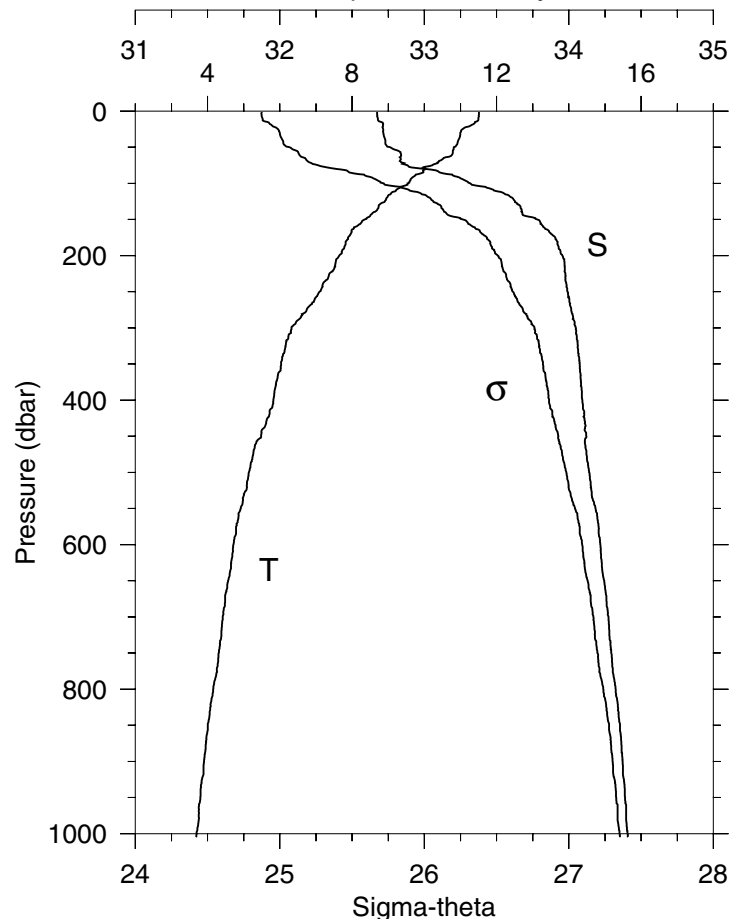
W0004B

# Station 19 FM-8 Temperature, Salinity

 STA: 19 FM-8 LAT: 43 13.1 N LONG: 125 0.1 W  
 14 APR 2000 0158 GMT DEPTH 1080


P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (V)	FL (V)	TRN (V)
1	11.31	32.423	11.31	24.714	0.032	0.45	4.46
10	11.30	32.424	11.30	24.718	0.322	0.47	4.45
20	10.19	32.529	10.18	24.993	0.634	1.24	4.31
30	9.99	32.714	9.98	25.171	0.921	0.89	4.47
40	9.88	32.718	9.88	25.191	1.199	0.50	4.55
50	9.74	32.716	9.73	25.213	1.475	0.34	4.59
60	9.63	32.707	9.62	25.225	1.750	0.31	4.59
70	9.71	32.940	9.71	25.392	2.020	0.21	4.59
80	9.49	33.359	9.48	25.756	2.262	0.16	4.60
90	9.39	33.413	9.39	25.815	2.485	0.15	4.60
100	8.78	33.565	8.77	26.030	2.695	0.15	4.60
110	8.55	33.626	8.53	26.115	2.889	0.14	4.61
120	8.40	33.712	8.38	26.205	3.073	0.17	4.61
130	8.24	33.789	8.23	26.289	3.251	0.14	4.61
140	8.18	33.858	8.17	26.352	3.422	0.14	4.60
150	8.12	33.867	8.11	26.368	3.591	0.14	4.59
175	7.33	33.961	7.32	26.557	3.986	0.17	4.50
200	7.07	33.990	7.05	26.617	4.352	0.16	4.49
225	6.93	34.002	6.91	26.644	4.710	0.16	4.47
250	6.78	34.014	6.75	26.676	5.062	0.15	4.50
275	6.69	34.020	6.67	26.692	5.410	0.15	4.51
300	6.57	34.024	6.55	26.711	5.754	0.15	4.53
350	6.37	34.041	6.34	26.752	6.430	0.15	4.55
400	5.98	34.080	5.94	26.833	7.082	0.15	4.59
450	5.62	34.111	5.59	26.902	7.696	0.15	4.55
500	5.19	34.129	5.15	26.967	8.278	0.14	4.60
600	4.77	34.217	4.72	27.086	9.361	0.15	4.58
800	4.14	34.329	4.08	27.244	11.277	0.15	4.59
1000	3.62	34.419	3.55	27.369	12.951	0.15	4.56
1005	3.61	34.421	3.54	27.372	12.990	0.14	4.56

# Station 20 FM-9 Temperature, Salinity

 STA: 20 FM-9 LAT: 43 13.1 N LONG: 125 9.9 W  
 14 APR 2000 0400 GMT DEPTH 1642


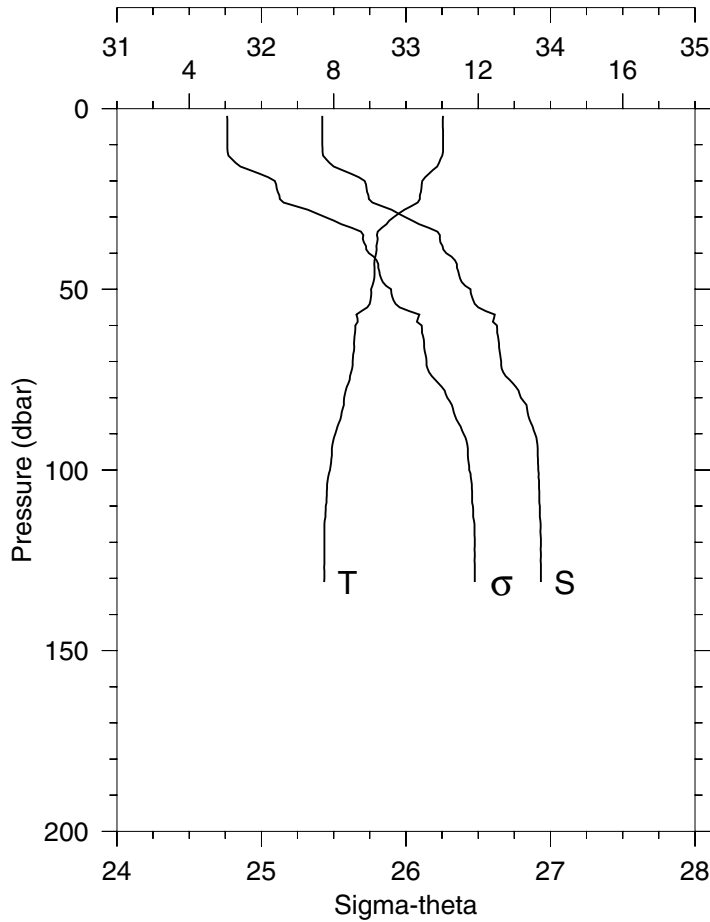
P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (V)	FL (V)	TRN (V)
1	11.51	32.674	11.51	24.874	0.031	0.58	4.49
10	11.50	32.678	11.50	24.879	0.307	0.63	4.49
20	11.29	32.714	11.28	24.946	0.611	0.90	4.44
30	11.00	32.716	10.99	24.999	0.908	1.03	4.48
40	10.95	32.730	10.94	25.019	1.203	0.51	4.55
50	10.82	32.762	10.81	25.066	1.496	0.38	4.59
60	10.77	32.839	10.77	25.134	1.781	0.34	4.59
70	10.40	32.837	10.39	25.198	2.062	0.25	4.60
80	10.04	33.011	10.03	25.394	2.332	0.19	4.60
90	9.73	33.210	9.72	25.602	2.581	0.19	4.60
100	9.53	33.319	9.52	25.719	2.814	0.17	4.60
110	9.22	33.484	9.21	25.899	3.034	0.15	4.59
120	8.95	33.609	8.94	26.038	3.237	0.15	4.59
130	8.75	33.656	8.73	26.108	3.433	0.15	4.59
140	8.60	33.675	8.58	26.146	3.623	0.14	4.60
150	8.36	33.781	8.34	26.266	3.807	0.15	4.59
175	7.89	33.906	7.87	26.434	4.229	0.16	4.57
200	7.65	33.956	7.63	26.509	4.626	0.15	4.59
225	7.37	33.976	7.35	26.564	5.007	0.15	4.57
250	7.10	33.991	7.08	26.613	5.377	0.15	4.55
275	6.74	34.016	6.72	26.683	5.733	0.15	4.54
300	6.32	34.048	6.30	26.762	6.071	0.15	4.56
350	6.04	34.075	6.01	26.821	6.716	0.15	4.59
400	5.82	34.094	5.79	26.863	7.339	0.15	4.59
450	5.48	34.121	5.44	26.927	7.941	0.15	4.60
500	5.14	34.141	5.10	26.983	8.516	0.15	4.59
600	4.72	34.218	4.67	27.092	9.589	0.15	4.59
800	4.16	34.324	4.10	27.238	11.519	0.14	4.59
1000	3.70	34.406	3.63	27.351	13.210	0.15	4.58
1005	3.68	34.409	3.61	27.355	13.250	0.15	4.58



W0004B

### Station 21 CR-3 Temperature, Salinity

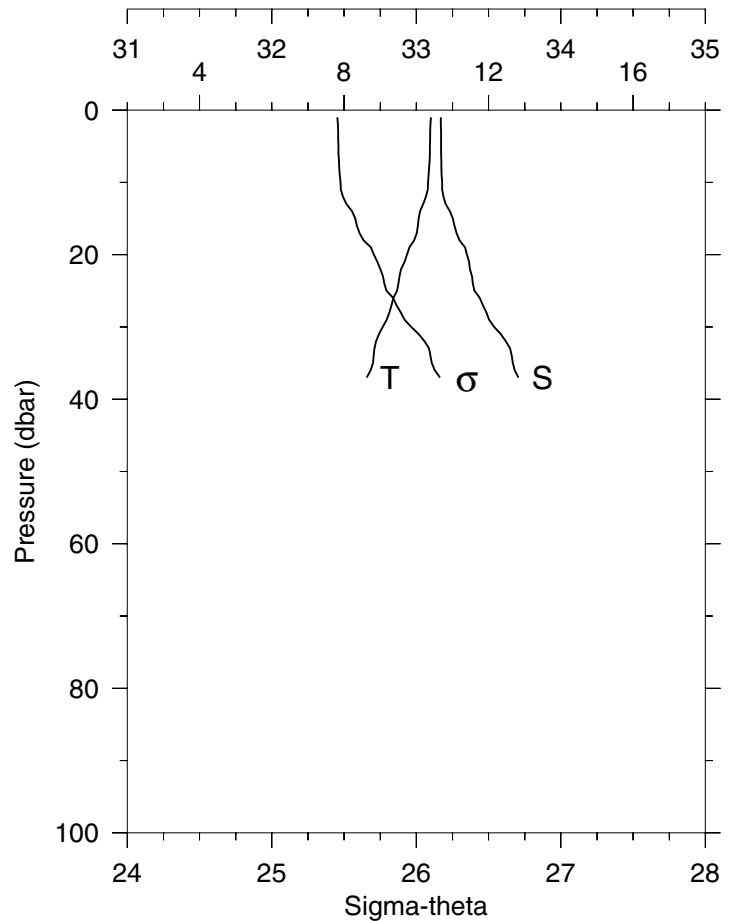
STA: 21 CR-3 LAT: 41 54.0 N LONG: 124 30.0 W  
14 APR 2000 1323 GMT DEPTH 137



P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.02	32.420	11.02	24.763	0.063	0.71	4.41
10	11.02	32.421	11.02	24.764	0.317	0.70	4.41
20	10.45	32.715	10.45	25.092	0.625	0.84	4.40
30	9.67	32.992	9.66	25.440	0.902	0.75	4.46
40	9.17	33.278	9.17	25.744	1.136	0.50	4.49
50	9.03	33.446	9.03	25.897	1.353	0.39	4.51
60	8.60	33.629	8.59	26.109	1.555	0.27	4.53
70	8.53	33.658	8.52	26.142	1.744	0.30	4.51
80	8.28	33.795	8.28	26.287	1.926	0.19	4.55
90	8.05	33.893	8.04	26.399	2.094	0.15	4.59
100	7.90	33.915	7.89	26.438	2.255	0.15	4.54
110	7.78	33.926	7.77	26.464	2.414	0.17	4.24
120	7.74	33.933	7.73	26.476	2.571	0.22	3.99
130	7.74	33.933	7.73	26.476	2.727	0.19	3.95
131	7.74	33.933	7.72	26.477	2.743	0.20	3.96

### Station 22 CR-1 Temperature, Salinity

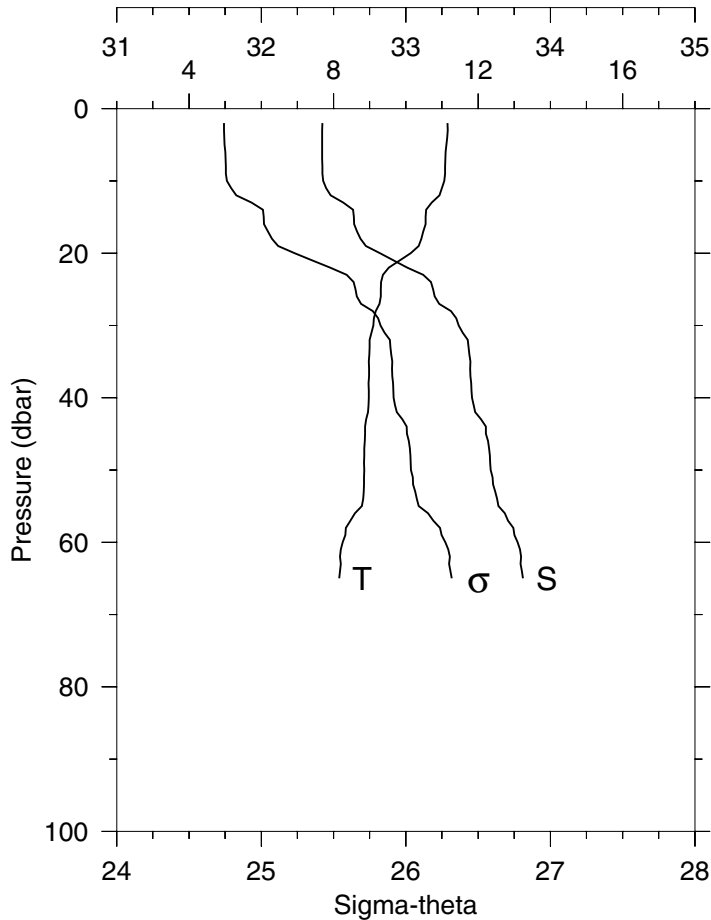
STA: 22 CR-1 LAT: 41 54.0 N LONG: 124 18.0 W  
14 APR 2000 1554 GMT DEPTH 42



P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.40	33.169	10.40	25.454	0.025	3.84	3.89
10	10.32	33.179	10.32	25.476	0.251	3.02	4.12
20	9.74	33.350	9.74	25.707	0.492	3.51	4.16
30	9.07	33.539	9.07	25.964	0.709	1.44	4.45
37	8.63	33.707	8.62	26.164	0.844	1.36	4.18

W0004B

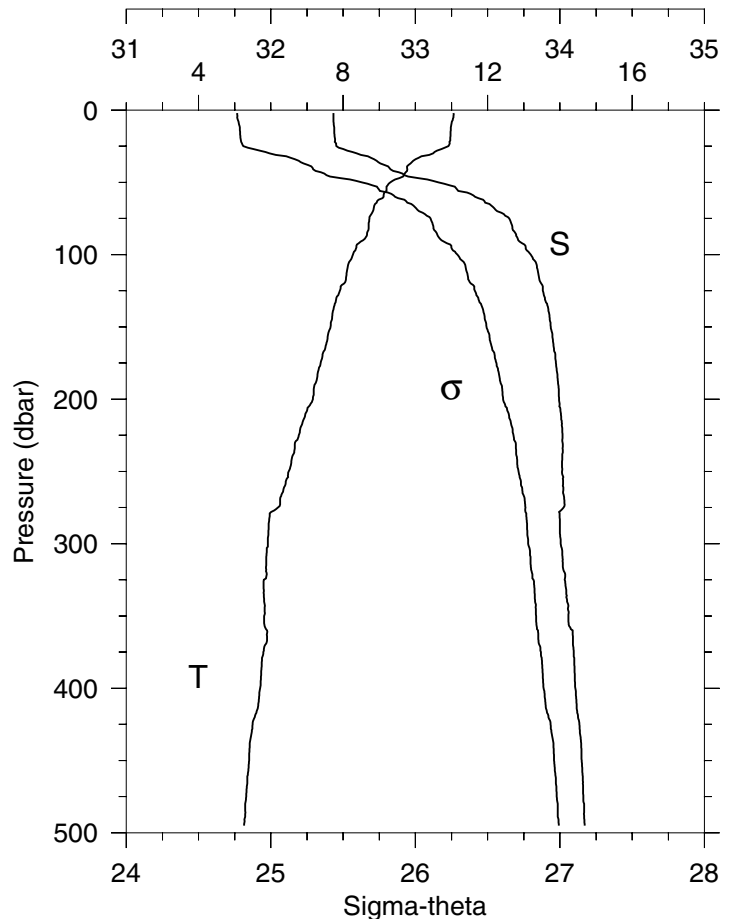
### Station 23 CR-2 Temperature, Salinity



STA: 23 CR-2 LAT: 41 54.0 N LONG: 124 24.0 W  
14 APR 2000 1749 GMT DEPTH 69

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.15	32.422	11.15	24.742	0.064	0.41	4.45
10	11.06	32.428	11.06	24.763	0.319	0.56	4.43
20	10.13	32.822	10.13	25.230	0.616	1.10	4.39
30	9.10	33.366	9.10	25.824	0.852	0.48	4.49
40	8.98	33.458	8.97	25.916	1.063	0.32	4.51
50	8.85	33.587	8.84	26.036	1.264	0.44	4.51
60	8.26	33.773	8.25	26.273	1.452	0.57	4.25
65	8.15	33.810	8.15	26.318	1.538	0.57	4.19

### Station 24 CR-4 Temperature, Salinity

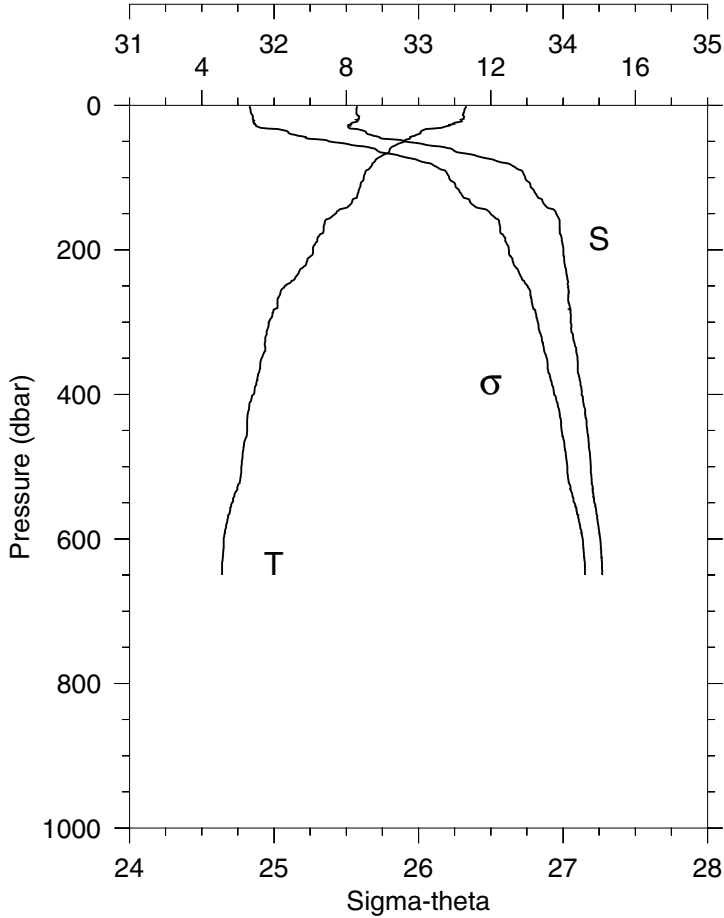


STA: 24 CR-4 LAT: 41 54.0 N LONG: 124 36.0 W  
14 APR 2000 1903 GMT DEPTH 501

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.06	32.433	11.06	24.768	0.063	0.48	4.40
10	10.99	32.435	10.99	24.780	0.317	0.70	4.39
20	10.97	32.444	10.97	24.792	0.632	0.94	4.39
30	10.49	32.593	10.49	24.991	0.942	0.89	4.40
40	9.77	32.821	9.77	25.290	1.220	0.77	4.45
50	9.30	33.161	9.30	25.631	1.476	0.63	4.47
60	9.12	33.414	9.11	25.859	1.700	0.65	4.46
70	8.83	33.567	8.82	26.025	1.905	0.54	4.48
80	8.71	33.669	8.70	26.123	2.097	0.42	4.50
90	8.55	33.712	8.55	26.181	2.284	0.33	4.52
100	8.27	33.798	8.26	26.291	2.462	0.20	4.54
110	8.12	33.844	8.11	26.351	2.633	0.20	4.54
120	8.03	33.870	8.02	26.384	2.800	0.20	4.55
130	7.82	33.896	7.80	26.436	2.963	0.17	4.54
140	7.71	33.924	7.70	26.473	3.122	0.16	4.55
150	7.65	33.937	7.64	26.492	3.278	0.15	4.56
175	7.38	33.973	7.36	26.560	3.659	0.15	4.55
200	7.16	33.995	7.15	26.607	4.026	0.15	4.55
225	6.77	34.019	6.75	26.679	4.380	0.15	4.57
250	6.49	34.014	6.47	26.714	4.723	0.15	4.59
275	6.20	34.026	6.17	26.761	5.056	0.15	4.60
300	5.92	34.006	5.89	26.781	5.382	0.14	4.61
350	5.82	34.058	5.79	26.835	6.016	0.14	4.60
400	5.70	34.106	5.67	26.888	6.630	0.15	4.59
450	5.40	34.151	5.36	26.960	7.215	0.15	4.51
495	5.26	34.171	5.22	26.992	7.722	0.15	4.42

W0004B

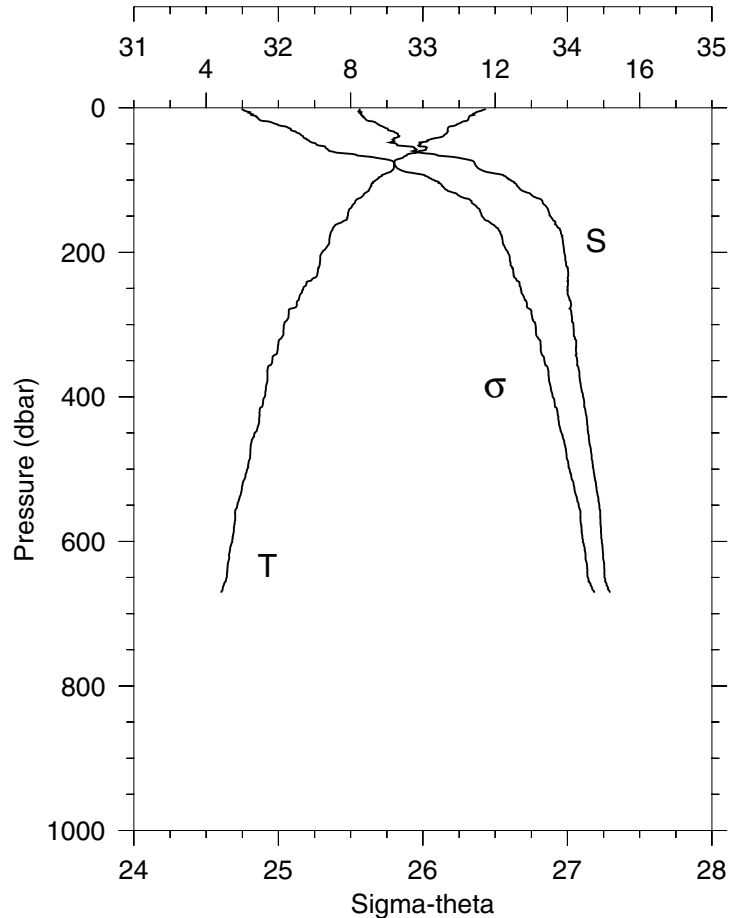
### Station 25 CR-5 Temperature, Salinity



STA: 25 CR-5 LAT: 41 54.0 N LONG: 124 42.0 W  
14 APR 2000 2253 GMT DEPTH 657

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.32	32.575	11.32	24.831	0.031	0.73	4.34
10	11.25	32.570	11.25	24.840	0.311	0.99	4.32
20	11.17	32.570	11.17	24.855	0.620	0.96	4.34
30	10.70	32.513	10.70	24.893	0.928	1.00	4.40
40	10.00	32.649	10.00	25.118	1.220	0.61	4.51
50	9.61	32.903	9.60	25.380	1.492	0.61	4.49
60	9.21	33.224	9.20	25.695	1.735	0.40	4.51
70	8.98	33.401	8.97	25.871	1.959	0.41	4.49
80	8.73	33.610	8.72	26.074	2.163	0.47	4.48
90	8.55	33.713	8.54	26.182	2.352	0.35	4.50
100	8.48	33.738	8.47	26.212	2.535	0.34	4.49
110	8.39	33.774	8.38	26.254	2.714	0.30	4.49
120	8.34	33.802	8.33	26.285	2.891	0.25	4.51
130	8.18	33.853	8.17	26.348	3.064	0.18	4.54
140	8.05	33.884	8.04	26.392	3.231	0.16	4.56
150	7.71	33.952	7.69	26.496	3.390	0.15	4.58
175	7.36	33.978	7.35	26.565	3.766	0.15	4.58
200	7.08	34.002	7.06	26.625	4.130	0.15	4.56
225	6.79	34.016	6.77	26.676	4.484	0.14	4.57
250	6.30	34.035	6.28	26.755	4.823	0.15	4.58
275	6.09	34.042	6.07	26.787	5.148	0.15	4.59
300	5.86	34.052	5.83	26.825	5.465	0.15	4.60
350	5.65	34.100	5.62	26.888	6.080	0.15	4.59
400	5.43	34.128	5.40	26.937	6.670	0.15	4.60
450	5.25	34.168	5.22	26.990	7.234	0.15	4.60
500	5.10	34.193	5.06	27.029	7.780	0.15	4.59
600	4.61	34.257	4.56	27.136	8.816	0.15	4.58
650	4.56	34.270	4.51	27.152	9.304	0.15	4.51

### Station 26 CR-6 Temperature, Salinity



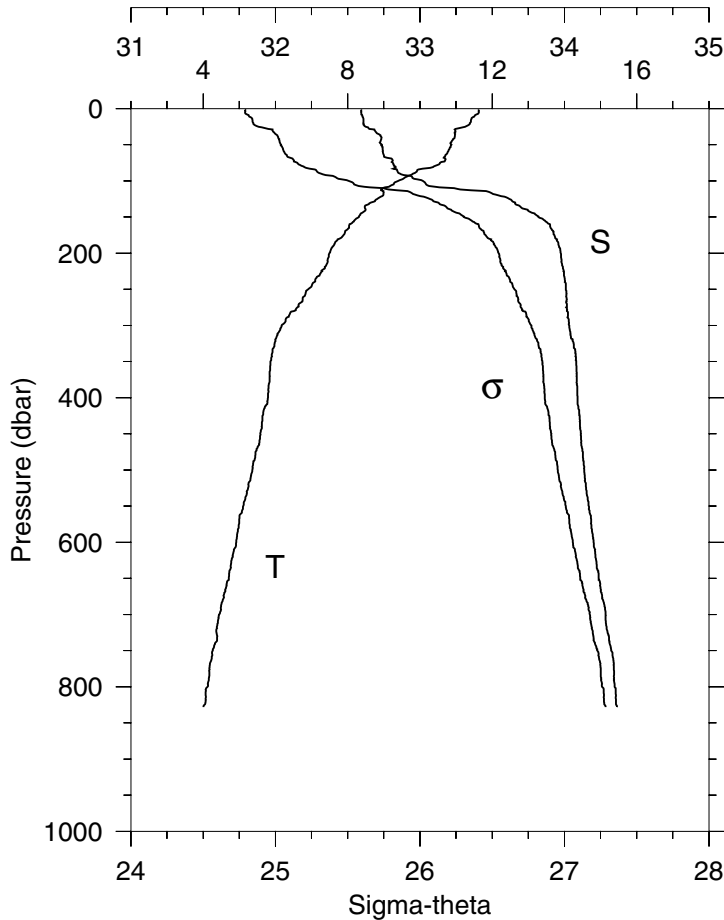
STA: 26 CR-6 LAT: 41 54.0 N LONG: 124 48.1 W  
15 APR 2000 0147 GMT DEPTH 699

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.73	32.563	11.73	24.747	0.032	0.53	4.43
10	11.41	32.574	11.41	24.814	0.316	0.74	4.38
20	11.07	32.670	11.07	24.950	0.623	1.11	4.36
30	10.69	32.759	10.68	25.087	0.916	0.60	4.53
40	10.55	32.836	10.54	25.171	1.199	0.33	4.59
50	9.94	32.818	9.94	25.260	1.475	0.24	4.59
60	9.91	32.932	9.90	25.354	1.741	0.19	4.60
70	9.39	33.270	9.38	25.704	1.987	0.17	4.59
80	9.20	33.365	9.19	25.808	2.209	0.19	4.57
90	9.02	33.478	9.01	25.926	2.425	0.19	4.59
100	8.69	33.608	8.68	26.078	2.625	0.16	4.58
110	8.55	33.662	8.53	26.143	2.815	0.24	4.54
120	8.36	33.748	8.35	26.238	3.000	0.26	4.52
130	8.12	33.828	8.11	26.337	3.174	0.23	4.52
140	7.97	33.865	7.95	26.390	3.342	0.20	4.52
150	7.92	33.881	7.90	26.410	3.506	0.18	4.53
175	7.44	33.958	7.42	26.539	3.898	0.17	4.53
200	7.22	33.977	7.20	26.586	4.272	0.15	4.54
225	7.09	34.004	7.07	26.625	4.636	0.16	4.58
250	6.69	34.002	6.67	26.678	4.991	0.15	4.59
275	6.50	34.024	6.48	26.720	5.334	0.15	4.59
300	6.16	34.040	6.13	26.778	5.665	0.15	4.60
350	5.83	34.068	5.80	26.841	6.303	0.15	4.60
400	5.62	34.108	5.59	26.899	6.912	0.15	4.59
450	5.34	34.142	5.30	26.960	7.495	0.15	4.60
500	5.13	34.181	5.09	27.015	8.053	0.15	4.59
600	4.72	34.237	4.68	27.107	9.097	0.15	4.60
671	4.41	34.295	4.36	27.188	9.797	0.15	4.55

W0004B

# Station 27 CR-7 Temperature, Salinity

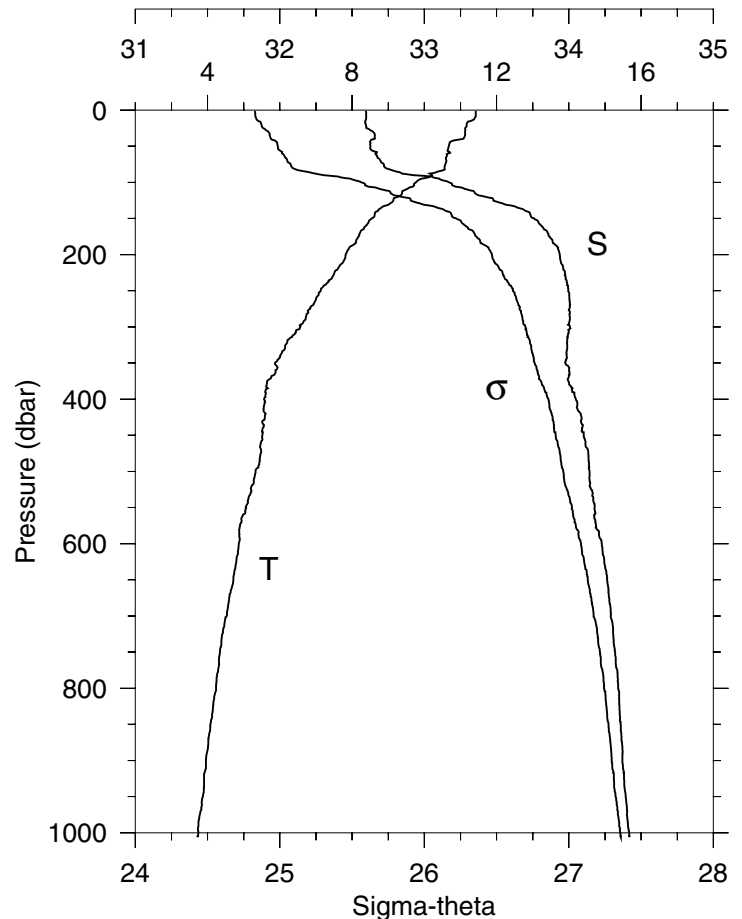
STA: 27 CR-7 LAT: 41 54.0 N LONG: 124 60.0 W  
15 APR 2000 0325 GMT DEPTH 833



P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (V)	FL (V)	TRN (V)
1	11.63	32.593	11.63	24.788	0.031	0.43	4.51
10	11.52	32.601	11.52	24.816	0.314	0.40	4.50
20	11.38	32.608	11.38	24.847	0.625	0.56	4.50
30	10.98	32.687	10.97	24.980	0.930	0.41	4.54
40	10.96	32.734	10.96	25.019	1.226	0.55	4.55
50	10.87	32.737	10.86	25.038	1.519	0.46	4.56
60	10.77	32.744	10.76	25.061	1.810	0.38	4.57
70	10.71	32.808	10.70	25.121	2.098	0.31	4.58
80	10.38	32.830	10.37	25.196	2.380	0.23	4.59
90	9.81	32.863	9.80	25.318	2.652	0.23	4.60
100	9.40	33.020	9.39	25.507	2.909	0.21	4.60
110	8.96	33.236	8.95	25.745	3.152	0.19	4.60
120	8.98	33.542	8.97	25.981	3.364	0.15	4.59
130	8.65	33.658	8.63	26.125	3.560	0.15	4.60
140	8.50	33.745	8.48	26.216	3.747	0.15	4.60
150	8.31	33.819	8.30	26.303	3.924	0.15	4.60
175	7.88	33.930	7.86	26.454	4.336	0.15	4.61
200	7.49	33.975	7.48	26.545	4.723	0.15	4.59
225	7.29	33.993	7.27	26.589	5.097	0.14	4.58
250	6.91	34.009	6.89	26.654	5.458	0.15	4.59
275	6.61	34.012	6.58	26.697	5.807	0.15	4.59
300	6.17	34.034	6.14	26.771	6.141	0.15	4.60
350	5.86	34.081	5.83	26.847	6.776	0.15	4.59
400	5.79	34.090	5.76	26.864	7.393	0.15	4.59
450	5.58	34.114	5.54	26.909	7.998	0.15	4.59
500	5.36	34.137	5.32	26.954	8.584	0.15	4.59
600	4.91	34.202	4.87	27.058	9.690	0.15	4.60
800	4.12	34.348	4.06	27.261	11.613	0.15	4.55
828	4.01	34.362	3.95	27.285	11.855	0.15	4.56

# Station 28 CR-8 Temperature, Salinity

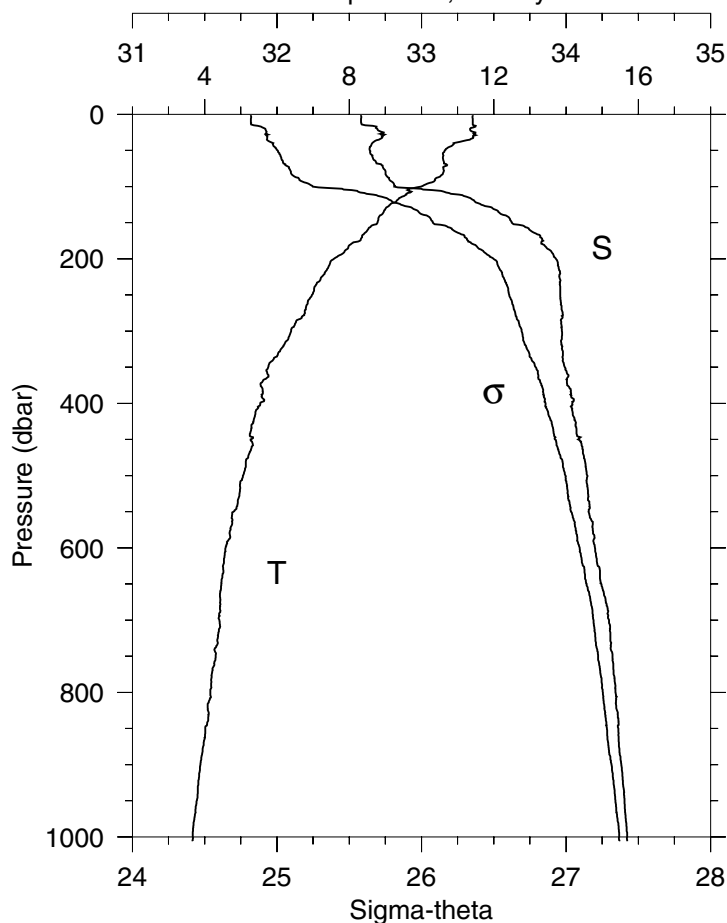
STA: 28 CR-8 LAT: 41 54.0 N LONG: 125 12.1 W  
15 APR 2000 0654 GMT DEPTH 2728



P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (V)	FL (V)	TRN (V)
1	11.42	32.597	11.42	24.830	0.031	0.51	4.48
10	11.41	32.597	11.41	24.833	0.311	0.52	4.48
20	11.18	32.595	11.17	24.873	0.620	0.57	4.48
30	11.13	32.644	11.12	24.920	0.926	0.61	4.50
40	11.07	32.655	11.07	24.938	1.228	0.64	4.50
50	10.68	32.628	10.68	24.986	1.526	0.41	4.56
60	10.67	32.663	10.67	25.015	1.822	0.28	4.58
70	10.61	32.697	10.60	25.052	2.115	0.22	4.59
80	10.56	32.732	10.55	25.089	2.405	0.19	4.60
90	10.18	32.925	10.17	25.304	2.684	0.19	4.60
100	9.77	33.172	9.76	25.565	2.937	0.18	4.60
110	9.48	33.298	9.47	25.711	3.174	0.18	4.59
120	9.27	33.422	9.26	25.842	3.398	0.16	4.59
130	9.03	33.551	9.02	25.981	3.608	0.15	4.59
140	8.70	33.706	8.68	26.154	3.802	0.15	4.59
150	8.54	33.760	8.52	26.222	3.987	0.15	4.59
175	8.18	33.865	8.16	26.359	4.422	0.14	4.60
200	7.82	33.937	7.80	26.468	4.830	0.15	4.59
225	7.51	33.973	7.49	26.541	5.221	0.15	4.59
250	7.13	33.997	7.11	26.613	5.593	0.15	4.57
275	6.84	34.003	6.81	26.659	5.951	0.15	4.58
300	6.57	34.007	6.54	26.699	6.300	0.15	4.59
350	5.87	33.976	5.84	26.764	6.973	0.14	4.60
400	5.57	34.048	5.53	26.858	7.612	0.15	4.60
450	5.52	34.104	5.48	26.909	8.218	0.15	4.60
500	5.33	34.143	5.29	26.962	8.802	0.15	4.60
600	4.86	34.228	4.82	27.084	9.896	0.15	4.59
800	4.24	34.341	4.18	27.244	11.814	0.15	4.60
1000	3.75	34.418	3.67	27.356	13.511	0.15	4.60
1004	3.73	34.419	3.65	27.359	13.543	0.15	4.60

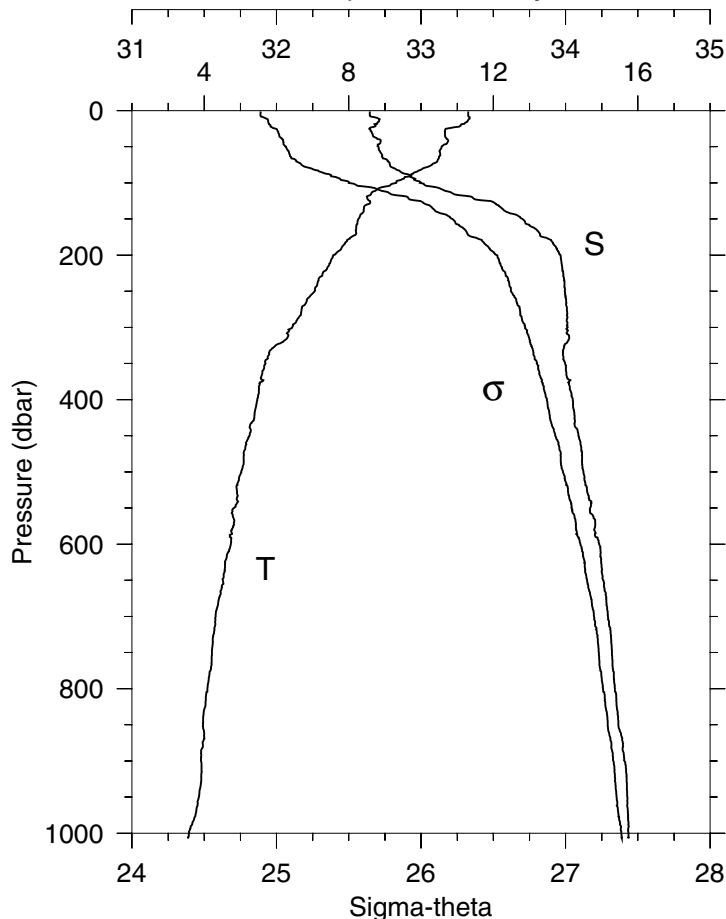
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# Station 29 CR-9 Temperature, Salinity

 STA: 29 CR-9 LAT: 41 54.0 N LONG: 125 20.0 W  
 15 APR 2000 0842 GMT DEPTH 3054


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.42	32.582	11.42	24.819	0.031	1.06	4.28
10	11.42	32.582	11.42	24.819	0.312	1.07	4.28
20	11.34	32.693	11.34	24.919	0.621	0.72	4.46
30	11.42	32.725	11.42	24.930	0.923	0.80	4.47
40	10.89	32.659	10.88	24.974	1.225	0.86	4.50
50	10.65	32.643	10.64	25.004	1.522	0.62	4.52
60	10.59	32.663	10.58	25.029	1.816	0.46	4.55
70	10.71	32.724	10.70	25.057	2.109	0.31	4.59
80	10.61	32.751	10.60	25.096	2.397	0.27	4.59
90	10.37	32.777	10.36	25.156	2.682	0.23	4.59
100	9.99	32.812	9.98	25.248	2.960	0.18	4.61
110	9.58	33.204	9.57	25.621	3.211	0.17	4.60
120	9.31	33.366	9.29	25.793	3.439	0.16	4.59
130	9.01	33.491	8.99	25.938	3.654	0.15	4.60
140	8.85	33.584	8.84	26.035	3.858	0.15	4.60
150	8.78	33.624	8.77	26.078	4.055	0.14	4.60
175	8.30	33.842	8.28	26.323	4.507	0.14	4.58
200	7.57	33.931	7.56	26.499	4.916	0.14	4.61
225	7.24	33.954	7.21	26.565	5.297	0.14	4.61
250	6.97	33.960	6.95	26.607	5.666	0.15	4.60
275	6.77	33.977	6.75	26.647	6.026	0.14	4.60
300	6.39	33.971	6.36	26.693	6.377	0.14	4.60
350	5.76	33.991	5.73	26.789	7.049	0.14	4.60
400	5.53	34.043	5.50	26.858	7.679	0.15	4.60
450	5.27	34.084	5.23	26.922	8.280	0.15	4.60
500	5.06	34.147	5.02	26.997	8.850	0.15	4.60
600	4.57	34.200	4.53	27.094	9.922	0.15	4.60
800	4.15	34.342	4.09	27.254	11.815	0.15	4.60
1000	3.67	34.422	3.60	27.367	13.486	0.15	4.60
1006	3.67	34.422	3.60	27.368	13.533	0.14	4.60

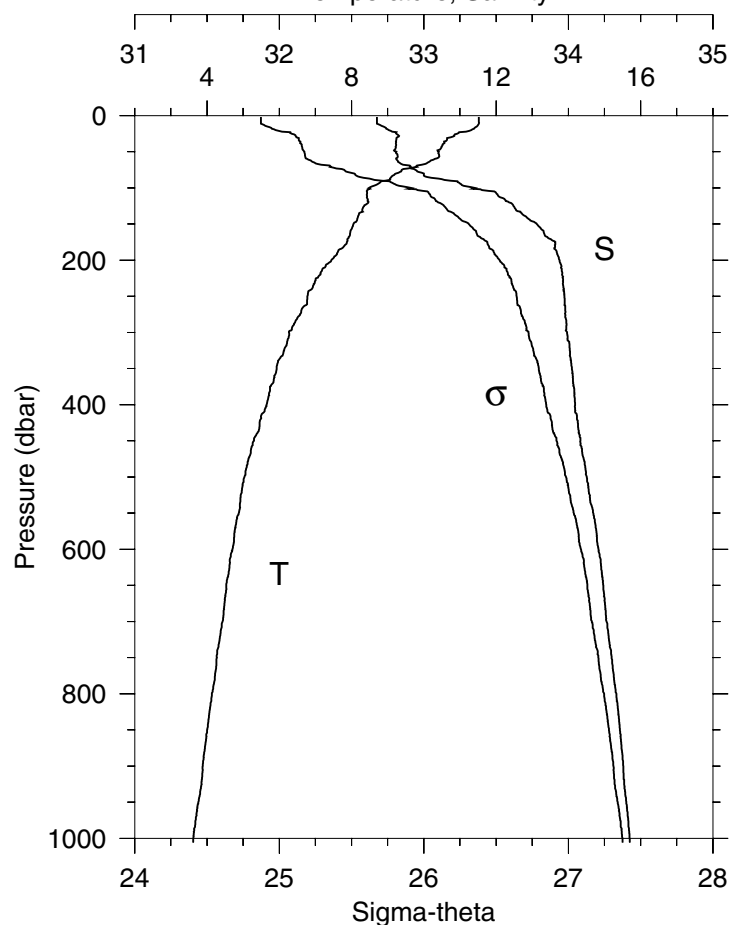
# Station 30 CR-10 Temperature, Salinity

 STA: 30 CR-10 LAT: 41 54.0 N LONG: 125 40.1 W  
 15 APR 2000 1114 GMT DEPTH 2885


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.31	32.646	11.31	24.889	0.031	0.85	4.37
10	11.35	32.695	11.35	24.919	0.305	0.85	4.40
20	11.10	32.685	11.10	24.957	0.606	0.92	4.45
30	10.66	32.658	10.66	25.013	0.902	0.64	4.52
40	10.74	32.715	10.73	25.044	1.196	0.33	4.58
50	10.57	32.705	10.56	25.066	1.487	0.30	4.58
60	10.53	32.727	10.52	25.089	1.775	0.27	4.59
70	10.45	32.770	10.44	25.136	2.061	0.39	4.59
80	10.04	32.819	10.03	25.244	2.340	0.19	4.60
90	9.74	32.924	9.73	25.377	2.607	0.16	4.60
100	9.31	32.992	9.30	25.499	2.862	0.17	4.61
110	8.76	33.157	8.75	25.714	3.100	0.15	4.61
120	8.51	33.355	8.49	25.909	3.321	0.14	4.61
130	8.50	33.520	8.49	26.039	3.525	0.16	4.61
140	8.41	33.589	8.40	26.107	3.720	0.14	4.61
150	8.27	33.701	8.25	26.217	3.906	0.17	4.60
175	8.07	33.843	8.06	26.357	4.345	0.14	4.61
200	7.57	33.964	7.55	26.526	4.744	0.15	4.61
225	7.28	33.984	7.26	26.583	5.122	0.15	4.60
250	7.06	33.994	7.03	26.622	5.487	0.15	4.59
275	6.70	34.010	6.67	26.684	5.841	0.15	4.59
300	6.44	34.015	6.41	26.722	6.185	0.15	4.59
350	5.69	33.997	5.66	26.801	6.844	0.15	4.60
400	5.47	34.049	5.43	26.871	7.469	0.15	4.60
450	5.25	34.089	5.22	26.928	8.068	0.14	4.60
500	5.02	34.123	4.98	26.982	8.639	0.15	4.60
600	4.74	34.233	4.69	27.103	9.708	0.15	4.60
800	4.09	34.341	4.03	27.259	11.586	0.15	4.60
1000	3.58	34.434	3.51	27.386	13.231	0.15	4.60
1005	3.55	34.436	3.48	27.390	13.270	0.15	4.60

W0004B

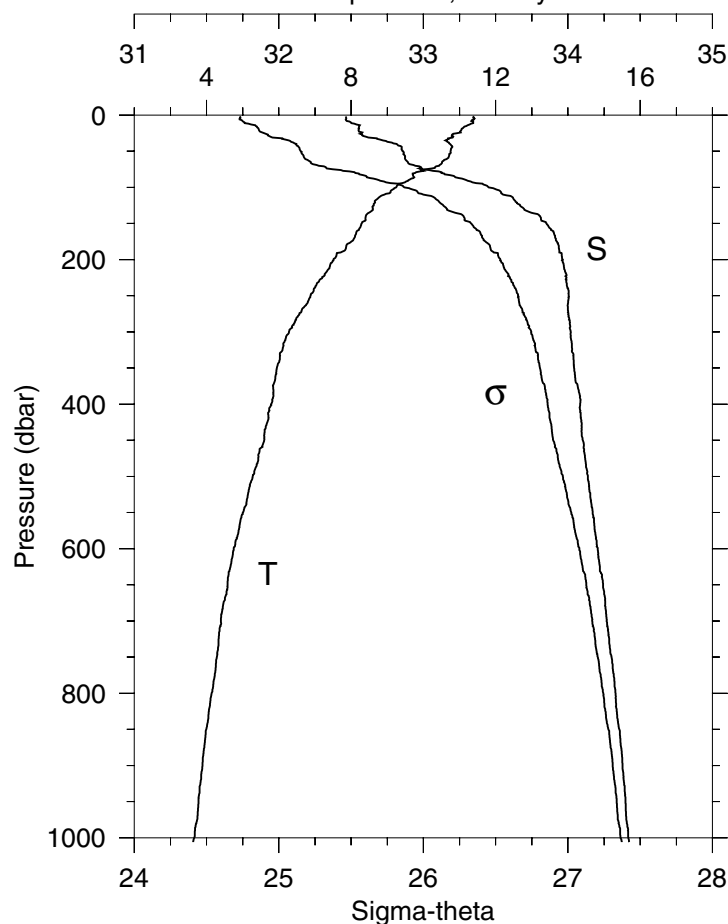
### Station 31 CR-11 Temperature, Salinity



STA: 31 CR-11 LAT: 41 54.0 N LONG: 126 0.1 W  
15 APR 2000 1324 GMT DEPTH 3279

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	11.52	32.675	11.52	24.872	0.061	0.50	4.49
10	11.53	32.676	11.52	24.872	0.307	0.50	4.49
20	11.31	32.757	11.31	24.975	0.610	0.87	4.44
30	10.75	32.815	10.74	25.119	0.898	0.53	4.52
40	10.52	32.808	10.51	25.155	1.180	0.55	4.55
50	10.42	32.810	10.41	25.174	1.461	0.54	4.57
60	10.31	32.809	10.30	25.192	1.740	0.40	4.58
70	9.79	32.908	9.78	25.355	2.012	0.18	4.60
80	9.23	33.001	9.22	25.518	2.267	0.20	4.61
90	8.92	33.187	8.91	25.712	2.508	0.17	4.61
100	8.48	33.353	8.47	25.911	2.728	0.16	4.61
110	8.42	33.512	8.41	26.044	2.930	0.15	4.61
120	8.46	33.588	8.45	26.098	3.125	0.15	4.61
130	8.30	33.636	8.28	26.161	3.314	0.15	4.61
140	8.18	33.708	8.16	26.236	3.497	0.13	4.61
150	8.05	33.781	8.04	26.311	3.674	0.14	4.61
175	7.87	33.909	7.85	26.439	4.093	0.14	4.61
200	7.44	33.940	7.42	26.525	4.487	0.14	4.60
225	7.01	33.961	6.99	26.602	4.861	0.14	4.60
250	6.78	33.972	6.76	26.642	5.222	0.15	4.60
275	6.57	33.979	6.55	26.676	5.575	0.15	4.60
300	6.27	33.991	6.24	26.724	5.919	0.14	4.60
350	5.92	34.025	5.89	26.796	6.580	0.15	4.60
400	5.65	34.046	5.61	26.847	7.213	0.14	4.60
450	5.30	34.083	5.26	26.918	7.819	0.15	4.60
500	5.03	34.127	4.99	26.984	8.394	0.15	4.60
600	4.70	34.209	4.66	27.087	9.468	0.15	4.60
800	4.13	34.332	4.07	27.247	11.393	0.14	4.60
1000	3.62	34.424	3.55	27.374	13.065	0.14	4.60
1006	3.61	34.427	3.53	27.377	13.112	0.15	4.60

### Station 32 RR-7 Temperature, Salinity



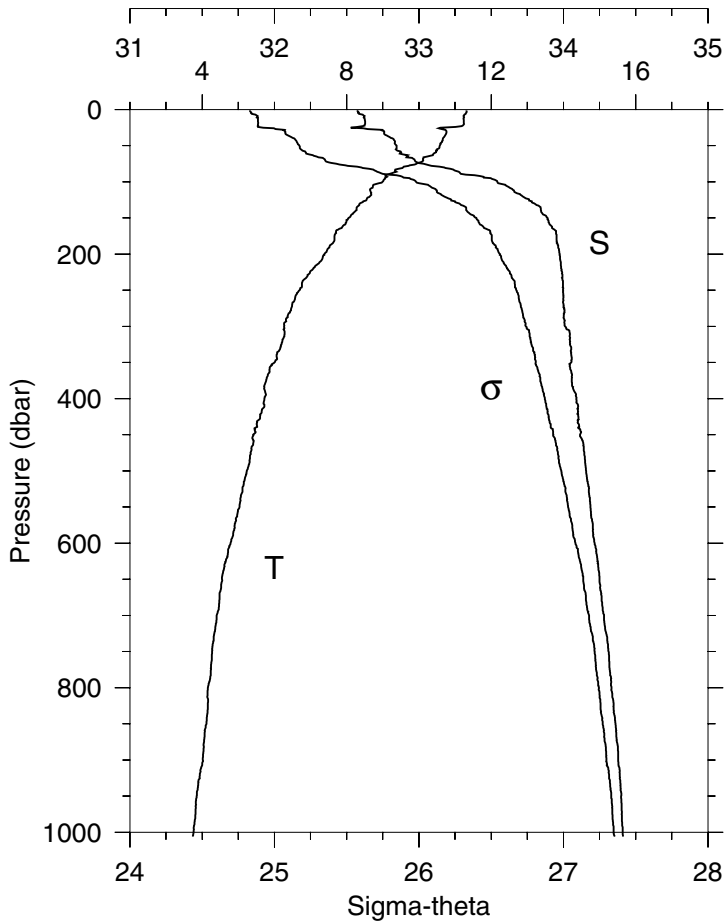
STA: 32 RR-7 LAT: 42 30.0 N LONG: 125 12.1 W  
15 APR 2000 1847 GMT DEPTH 2935

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	11.41	32.462	11.41	24.728	0.064	0.21	4.50
10	11.38	32.498	11.38	24.761	0.320	0.30	4.51
20	11.05	32.553	11.05	24.862	0.632	0.52	4.50
30	10.82	32.603	10.82	24.942	0.937	0.63	4.50
40	10.74	32.815	10.73	25.122	1.227	0.39	4.59
50	10.75	32.856	10.75	25.151	1.510	0.29	4.59
60	10.67	32.872	10.66	25.178	1.790	0.22	4.60
70	10.43	32.945	10.42	25.276	2.065	0.19	4.59
80	9.77	33.126	9.76	25.529	2.324	0.18	4.60
90	9.59	33.299	9.58	25.694	2.563	0.16	4.59
100	9.25	33.451	9.24	25.868	2.784	0.15	4.59
110	8.92	33.552	8.91	25.999	2.991	0.14	4.59
120	8.66	33.639	8.64	26.108	3.185	0.14	4.60
130	8.60	33.698	8.59	26.164	3.375	0.14	4.59
140	8.41	33.808	8.39	26.279	3.556	0.14	4.59
150	8.29	33.852	8.28	26.331	3.730	0.25	4.59
175	8.01	33.924	7.99	26.430	4.146	0.21	4.59
200	7.51	33.964	7.50	26.533	4.538	0.15	4.60
225	7.20	33.990	7.18	26.599	4.912	0.16	4.59
250	6.88	34.005	6.86	26.655	5.271	0.14	4.59
275	6.57	34.003	6.55	26.695	5.622	0.15	4.59
300	6.28	34.020	6.25	26.747	5.960	0.15	4.59
350	5.95	34.043	5.92	26.807	6.612	0.15	4.59
400	5.78	34.084	5.75	26.860	7.239	0.15	4.59
450	5.60	34.104	5.56	26.899	7.848	0.15	4.59
500	5.28	34.138	5.24	26.965	8.433	0.15	4.59
600	4.75	34.206	4.70	27.079	9.525	0.15	4.60
800	4.14	34.330	4.08	27.245	11.450	0.15	4.60
1000	3.66	34.418	3.59	27.365	13.127	0.14	4.60
1006	3.63	34.424	3.56	27.372	13.174	0.15	4.60

W0004B

### Station 33 RR-6 Temperature, Salinity

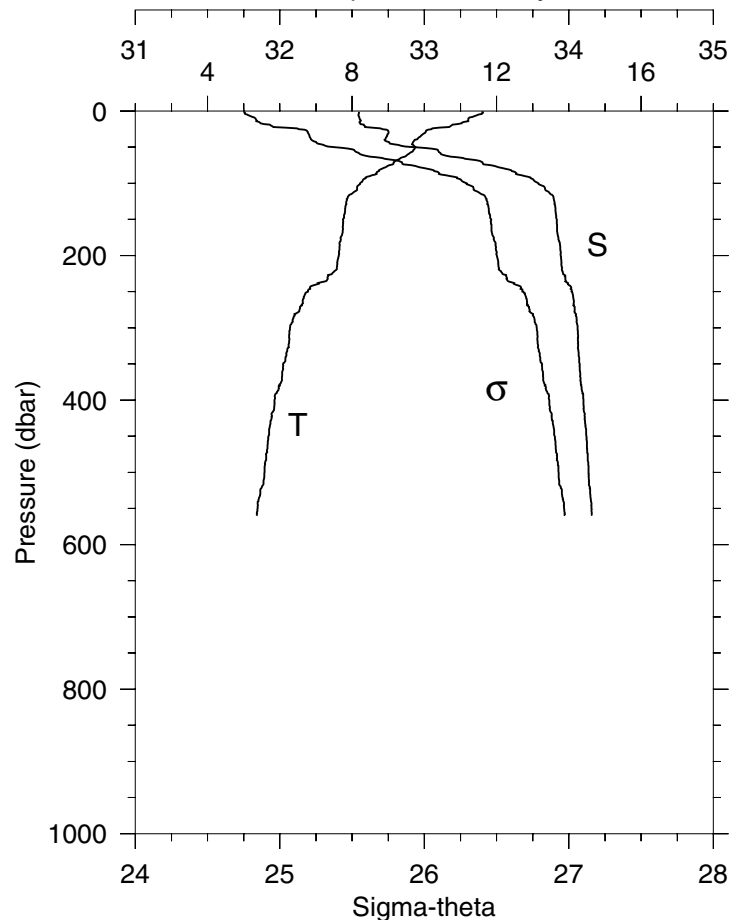
STA: 33 RR-6 LAT: 42 30.0 N LONG: 125 0.1 W  
15 APR 2000 2059 GMT DEPTH 1747



P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	11.31	32.573	11.31	24.831	0.031	0.32	4.47
10	11.24	32.622	11.24	24.883	0.309	0.54	4.48
20	11.25	32.628	11.24	24.886	0.615	0.67	4.48
30	10.76	32.759	10.76	25.074	0.915	0.37	4.57
40	10.66	32.817	10.66	25.136	1.201	0.34	4.58
50	10.58	32.845	10.57	25.172	1.482	0.28	4.59
60	10.44	32.871	10.44	25.217	1.760	0.20	4.60
70	10.12	32.971	10.11	25.350	2.029	0.17	4.60
80	9.56	33.175	9.55	25.602	2.283	0.15	4.59
90	9.11	33.325	9.10	25.791	2.513	0.15	4.60
100	8.99	33.542	8.98	25.980	2.723	0.14	4.59
110	8.65	33.646	8.64	26.114	2.919	0.14	4.60
120	8.64	33.717	8.63	26.172	3.108	0.14	4.59
130	8.36	33.799	8.35	26.279	3.289	0.14	4.60
140	8.25	33.845	8.24	26.331	3.461	0.14	4.59
150	8.05	33.889	8.04	26.396	3.629	0.15	4.59
175	7.66	33.953	7.65	26.503	4.029	0.15	4.59
200	7.38	33.974	7.36	26.561	4.411	0.15	4.59
225	6.98	33.991	6.96	26.629	4.779	0.15	4.59
250	6.69	33.997	6.67	26.674	5.132	0.15	4.59
275	6.46	34.005	6.44	26.710	5.477	0.15	4.59
300	6.26	34.011	6.24	26.741	5.814	0.15	4.60
350	6.00	34.053	5.97	26.808	6.465	0.15	4.59
400	5.72	34.089	5.69	26.872	7.089	0.15	4.60
450	5.41	34.114	5.37	26.930	7.689	0.15	4.60
500	5.23	34.158	5.19	26.986	8.261	0.15	4.59
600	4.78	34.216	4.74	27.084	9.341	0.15	4.59
800	4.16	34.332	4.10	27.245	11.253	0.15	4.60
1000	3.76	34.409	3.68	27.348	12.950	0.14	4.60
1006	3.74	34.411	3.67	27.351	12.998	0.14	4.60

### Station 34 RR-4 Temperature, Salinity

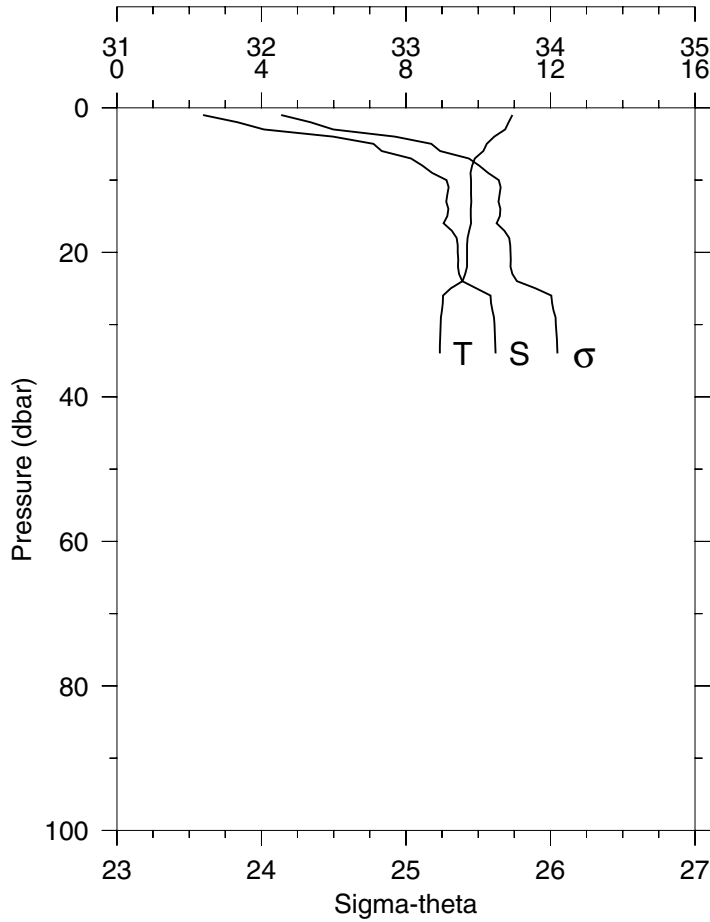
STA: 34 RR-4 LAT: 42 30.0 N LONG: 124 48.0 W  
15 APR 2000 2258 GMT DEPTH 589



P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	11.59	32.548	11.59	24.761	0.032	0.37	4.45
10	11.22	32.551	11.22	24.830	0.316	0.51	4.41
20	10.76	32.582	10.75	24.937	0.624	0.75	4.41
30	10.03	32.752	10.03	25.193	0.910	0.49	4.54
40	9.73	32.725	9.73	25.220	1.186	0.41	4.56
50	9.75	32.916	9.75	25.368	1.455	0.25	4.59
60	9.55	33.116	9.54	25.557	1.703	0.17	4.59
70	9.17	33.394	9.16	25.835	1.933	0.15	4.59
80	8.82	33.565	8.81	26.025	2.142	0.14	4.59
90	8.49	33.696	8.48	26.178	2.335	0.24	4.54
100	8.22	33.790	8.21	26.293	2.513	0.36	4.46
110	8.13	33.842	8.11	26.348	2.683	0.28	4.44
120	7.88	33.894	7.87	26.425	2.848	0.23	4.32
130	7.83	33.904	7.82	26.441	3.008	0.25	4.30
140	7.80	33.909	7.79	26.448	3.168	0.24	4.31
150	7.75	33.917	7.74	26.463	3.327	0.24	4.29
175	7.68	33.928	7.67	26.481	3.723	0.25	4.23
200	7.63	33.945	7.61	26.502	4.113	0.20	4.26
225	7.45	33.961	7.43	26.541	4.499	0.18	4.29
250	6.78	34.019	6.76	26.679	4.862	0.15	4.43
275	6.55	34.041	6.52	26.728	5.203	0.15	4.47
300	6.28	34.061	6.25	26.778	5.533	0.16	4.46
350	6.09	34.075	6.06	26.814	6.180	0.15	4.49
400	5.86	34.101	5.82	26.865	6.808	0.15	4.50
450	5.69	34.121	5.65	26.902	7.416	0.15	4.51
500	5.57	34.137	5.53	26.929	8.011	0.15	4.51
560	5.35	34.160	5.31	26.974	8.707	0.15	4.49

W0004B

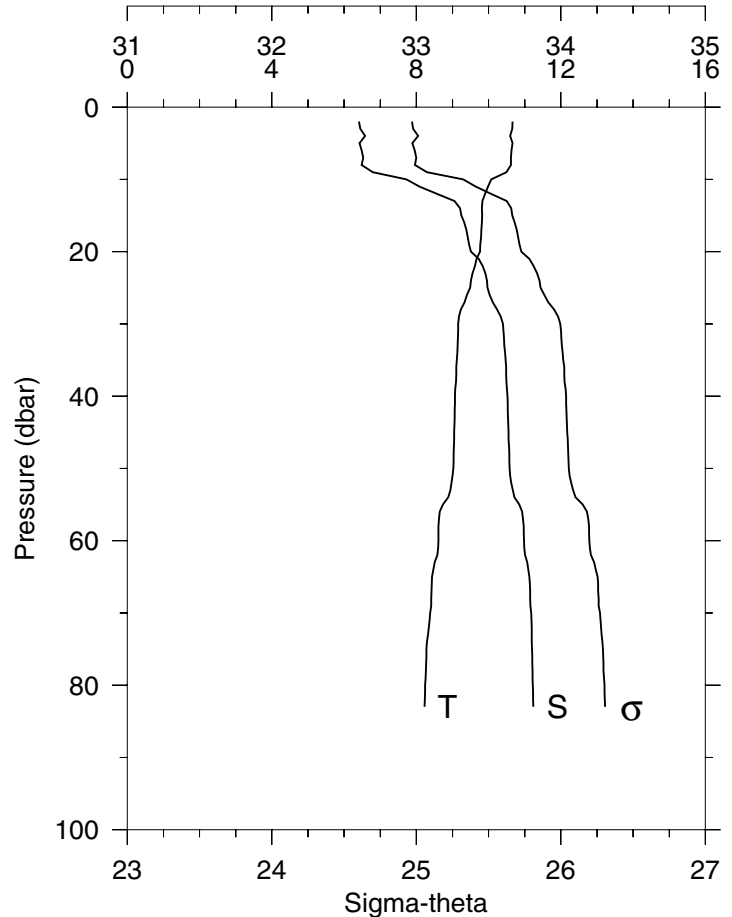
Station 35 RR-1  
Temperature, Salinity



STA: 35 RR-1 LAT: 42 30.0 N LONG: 124 29.8 W  
16 APR 2000 0212 GMT DEPTH 35

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.94	31.596	10.94	24.136	0.038	5.00	3.56
10	9.80	33.281	9.80	25.643	0.298	3.27	4.14
20	9.69	33.359	9.69	25.723	0.529	2.93	4.24
30	8.96	33.612	8.96	26.038	0.741	1.82	4.21
34	8.94	33.620	8.93	26.049	0.819	1.74	4.06

Station 36 RR-2  
Temperature, Salinity



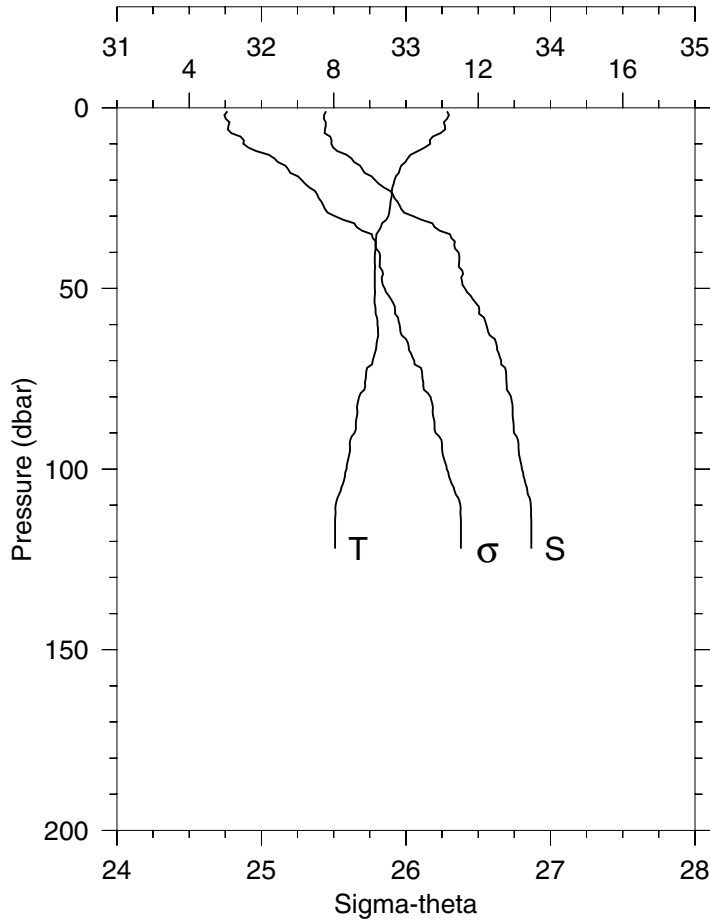
STA: 36 RR-2 LAT: 42 30.0 N LONG: 124 36.0 W  
16 APR 2000 0323 GMT DEPTH 87

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.66	32.604	10.66	24.970	0.060	2.22	4.21
10	10.07	32.932	10.07	25.325	0.294	4.09	4.09
20	9.76	33.378	9.76	25.726	0.530	1.02	4.38
30	9.16	33.600	9.16	25.997	0.742	0.93	4.47
40	9.07	33.630	9.06	26.036	0.941	0.57	4.48
50	9.02	33.646	9.02	26.055	1.137	0.61	4.48
60	8.61	33.745	8.61	26.197	1.325	0.45	4.49
70	8.39	33.795	8.38	26.271	1.503	0.38	4.51
80	8.24	33.807	8.23	26.303	1.677	0.61	4.29
83	8.23	33.809	8.22	26.306	1.729	0.58	4.24



W0004B

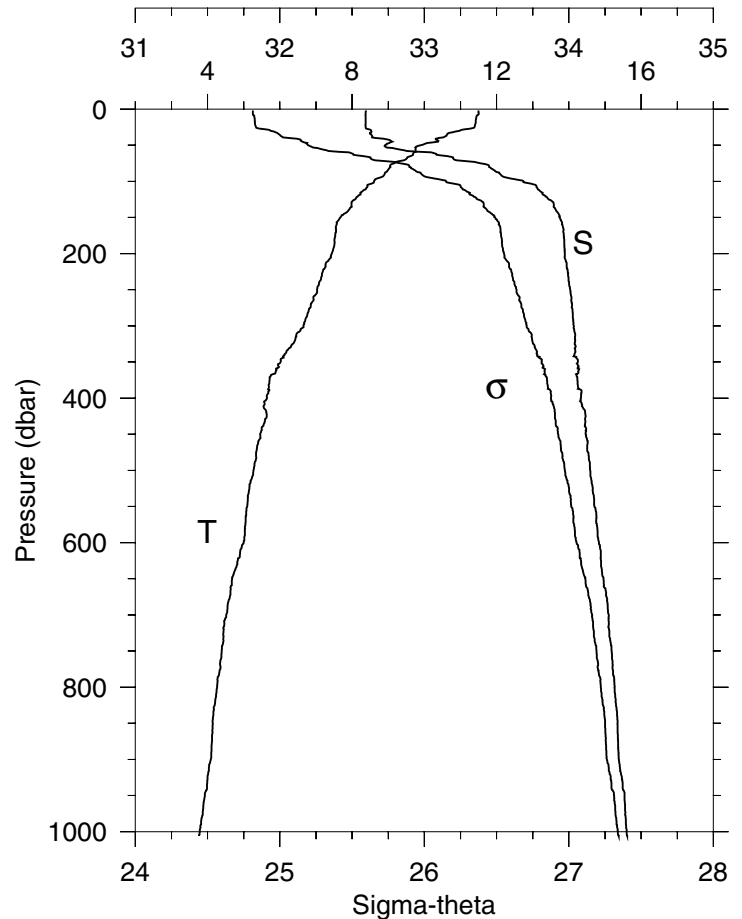
### Station 37 RR-3 Temperature, Salinity



STA: 37 RR-3 LAT: 42 30.0 N LONG: 124 42.0 W  
16 APR 2000 0611 GMT DEPTH 132

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.14	32.446	11.14	24.764	0.032	0.55	4.47
10	10.67	32.483	10.67	24.874	0.315	0.74	4.45
20	9.68	32.787	9.68	25.278	0.600	0.65	4.49
30	9.52	33.048	9.51	25.508	0.858	0.34	4.55
40	9.14	33.363	9.14	25.815	1.086	0.51	4.49
50	9.14	33.408	9.13	25.852	1.302	0.81	4.44
60	9.21	33.556	9.21	25.955	1.512	1.13	4.36
70	9.08	33.659	9.07	26.057	1.712	0.57	4.48
80	8.70	33.727	8.69	26.170	1.903	0.43	4.50
90	8.57	33.747	8.57	26.205	2.086	0.42	4.51
100	8.35	33.803	8.34	26.283	2.263	0.34	4.53
110	8.05	33.864	8.04	26.376	2.434	0.37	4.34
120	8.04	33.868	8.03	26.381	2.599	0.29	4.29
122	8.04	33.868	8.03	26.381	2.633	0.29	4.27

### Station 38 RR-5 Temperature, Salinity

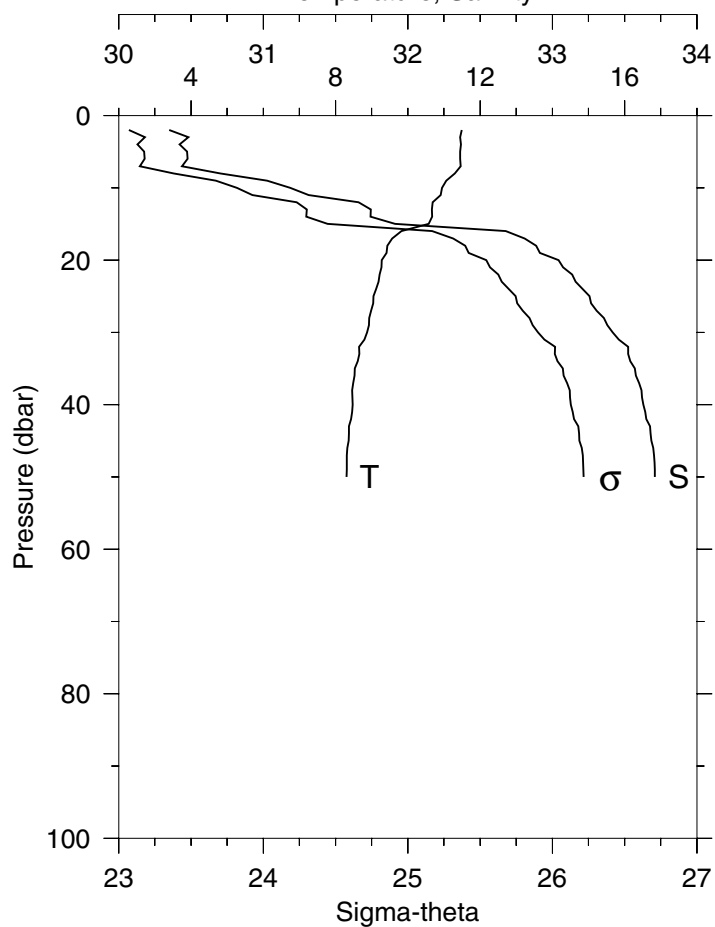


STA: 38 RR-5 LAT: 42 30.0 N LONG: 124 54.1 W  
16 APR 2000 0936 GMT DEPTH 1164

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.50	32.594	11.50	24.813	0.063	0.55	4.48
10	11.45	32.594	11.45	24.823	0.313	0.56	4.47
20	11.42	32.593	11.41	24.828	0.624	0.58	4.46
30	10.98	32.632	10.98	24.936	0.933	0.77	4.45
40	10.40	32.660	10.40	25.058	1.229	0.78	4.49
50	9.91	32.729	9.91	25.195	1.510	0.38	4.57
60	9.71	33.048	9.70	25.478	1.778	0.21	4.59
70	9.47	33.211	9.46	25.645	2.020	0.17	4.59
80	9.06	33.449	9.05	25.896	2.239	0.15	4.59
90	8.90	33.526	8.89	25.982	2.446	0.16	4.59
100	8.61	33.686	8.60	26.152	2.643	0.40	4.49
110	8.39	33.784	8.37	26.264	2.823	0.36	4.50
120	8.17	33.838	8.15	26.338	2.997	0.35	4.49
130	7.98	33.894	7.97	26.410	3.163	0.22	4.55
140	7.91	33.912	7.89	26.435	3.325	0.18	4.55
150	7.67	33.937	7.66	26.489	3.484	0.16	4.47
175	7.53	33.965	7.52	26.532	3.867	0.16	4.34
200	7.44	33.972	7.42	26.551	4.246	0.17	4.34
225	7.19	33.993	7.17	26.603	4.617	0.16	4.39
250	7.03	34.010	7.01	26.638	4.979	0.16	4.52
275	6.84	34.021	6.82	26.673	5.332	0.15	4.57
300	6.66	34.035	6.63	26.708	5.678	0.17	4.57
350	6.02	34.062	5.99	26.812	6.340	0.15	4.59
400	5.64	34.083	5.61	26.876	6.961	0.15	4.60
450	5.45	34.117	5.42	26.926	7.558	0.15	4.59
500	5.27	34.148	5.23	26.973	8.134	0.15	4.59
600	5.00	34.208	4.95	27.054	9.231	0.15	4.56
800	4.26	34.317	4.20	27.222	11.190	0.15	4.57
1000	3.78	34.401	3.71	27.339	12.933	0.15	4.56
1005	3.76	34.404	3.69	27.344	12.974	0.15	4.56

W0004B

### Station 39 HH-1 Temperature, Salinity



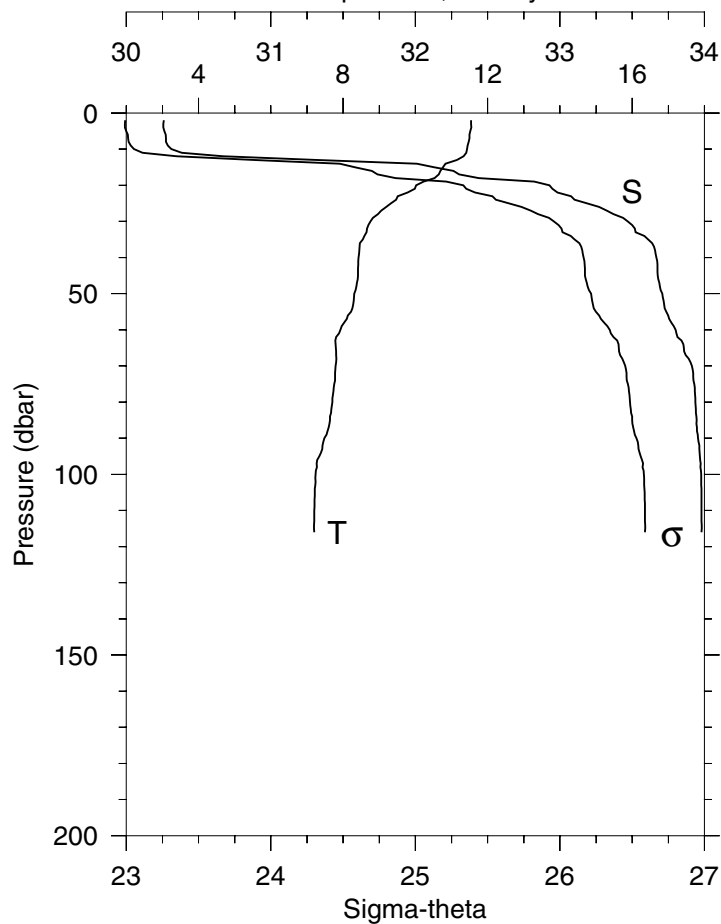
STA: 39 HH-1 LAT: 44 0.1 N LONG: 124 12.1 W  
16 APR 2000 1845 GMT DEPTH 55

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.49	30.348	11.49	23.070	0.096	0.56	4.27
10	10.95	31.187	10.95	23.818	0.462	0.82	4.31
20	9.28	33.043	9.27	25.543	0.784	0.61	4.42
30	8.87	33.417	8.86	25.900	1.010	0.26	4.49
40	8.47	33.629	8.47	26.127	1.206	0.23	4.45
50	8.30	33.709	8.30	26.216	1.389	0.26	4.31

STA: 40 HH-2 LAT: 44 0.1 N LONG: 124 24.0 W  
16 APR 2000 2012 GMT DEPTH 121

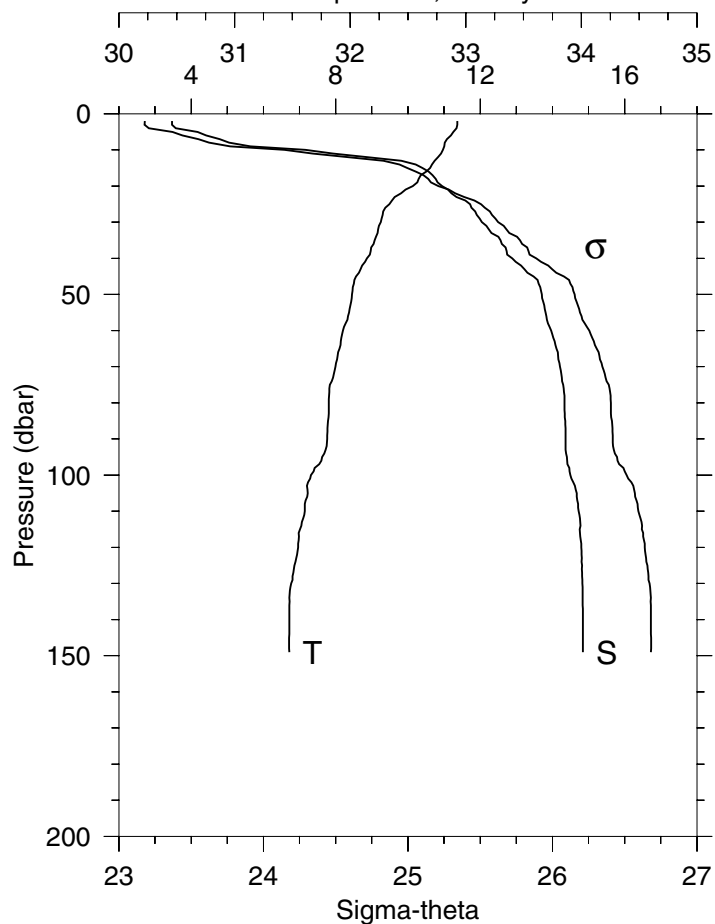
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.54	30.259	11.54	22.993	0.097	0.37	4.46
10	11.43	30.312	11.43	23.053	0.485	0.41	4.45
20	10.02	32.928	10.02	25.332	0.846	0.96	4.33
30	8.76	33.468	8.75	25.957	1.080	0.34	4.48
40	8.43	33.668	8.43	26.165	1.272	0.15	4.55
50	8.31	33.709	8.30	26.216	1.455	0.16	4.54
60	7.93	33.801	7.92	26.345	1.631	0.19	4.48
70	7.80	33.913	7.79	26.451	1.793	0.17	4.53
80	7.70	33.938	7.69	26.485	1.950	0.15	4.56
90	7.49	33.955	7.48	26.529	2.103	0.15	4.55
100	7.24	33.977	7.23	26.581	2.252	0.16	4.40
110	7.20	33.980	7.19	26.589	2.397	0.16	4.34
116	7.20	33.980	7.19	26.589	2.485	0.17	4.32

### Station 40 HH-2 Temperature, Salinity



W0004B

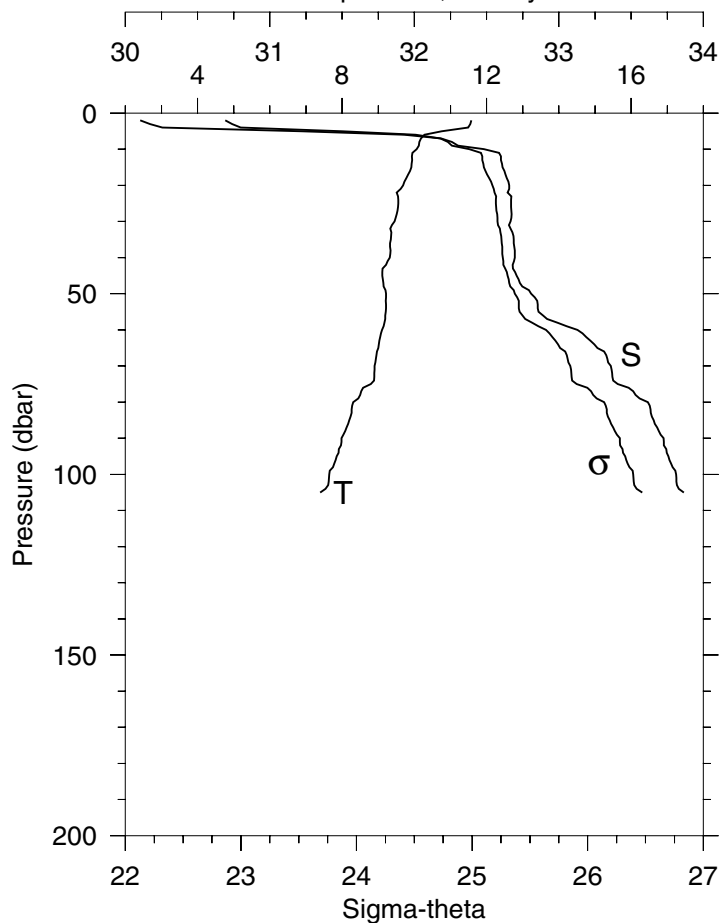
### Station 41 HH-3 Temperature, Salinity



STA: 41 HH-3 LAT: 44 0.1 N LONG: 124 36.0 W  
16 APR 2000 2221 GMT DEPTH 154

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	11.37	30.459	11.37	23.179	0.094	0.42	4.45
10	10.97	31.613	10.97	24.146	0.446	1.20	4.24
20	10.13	32.795	10.13	25.210	0.752	1.17	4.33
30	9.25	33.140	9.24	25.623	1.003	0.64	4.42
40	8.86	33.401	8.86	25.888	1.226	0.45	4.45
50	8.45	33.658	8.44	26.154	1.421	0.24	4.49
60	8.20	33.738	8.19	26.254	1.604	0.22	4.46
70	7.99	33.815	7.99	26.345	1.776	0.20	4.43
80	7.81	33.854	7.80	26.404	1.940	0.18	4.46
90	7.76	33.863	7.76	26.417	2.103	0.18	4.46
100	7.31	33.905	7.30	26.514	2.261	0.18	4.45
110	7.14	33.976	7.13	26.594	2.409	0.17	4.52
120	6.96	34.000	6.95	26.638	2.551	0.16	4.54
130	6.77	34.008	6.76	26.671	2.691	0.18	4.36
140	6.71	34.013	6.70	26.682	2.828	0.19	4.25
149	6.71	34.013	6.70	26.682	2.951	0.19	4.24

### Station 42 HH-4 Temperature, Salinity

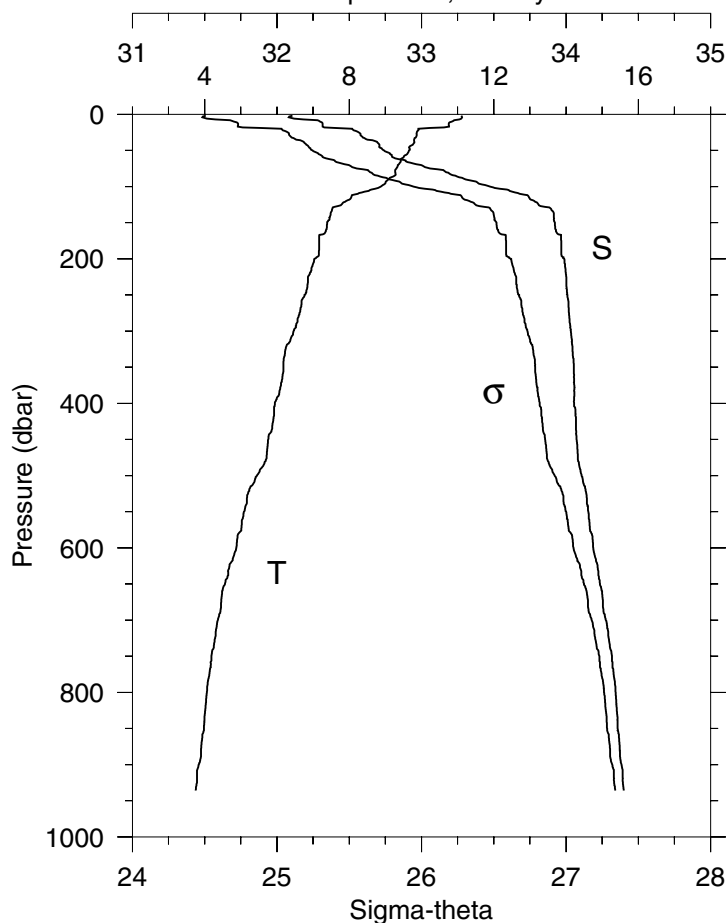


STA: 42 HH-4 LAT: 44 0.1 N LONG: 124 48.0 W  
17 APR 2000 0054 GMT DEPTH 110

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	11.58	30.103	11.58	22.865	0.100	0.35	4.45
10	10.06	32.482	10.06	24.976	0.406	1.14	4.25
20	9.69	32.657	9.69	25.175	0.691	1.38	4.33
30	9.46	32.666	9.45	25.220	0.967	0.97	4.45
40	9.32	32.695	9.31	25.265	1.239	0.39	4.57
50	9.22	32.808	9.21	25.369	1.505	0.25	4.57
60	9.10	33.129	9.10	25.638	1.758	0.19	4.54
70	8.90	33.359	8.90	25.850	1.981	0.16	4.57
80	8.31	33.616	8.30	26.143	2.187	0.15	4.56
90	7.98	33.725	7.97	26.277	2.370	0.16	4.53
100	7.64	33.811	7.64	26.394	2.540	0.16	4.50
105	7.40	33.866	7.39	26.472	2.622	0.17	4.48

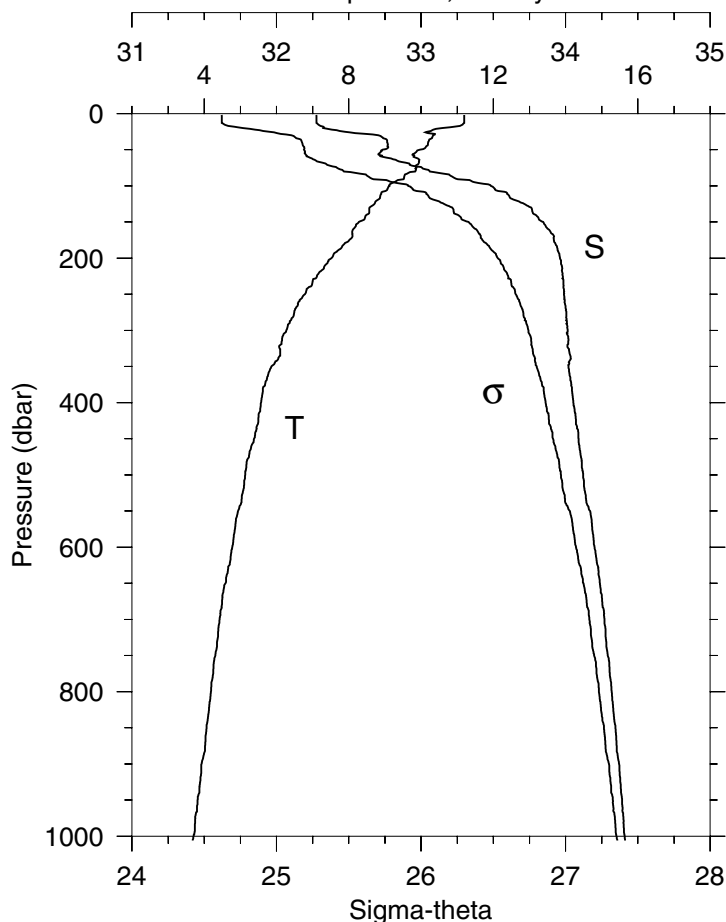
W0004B

# Station 43 HH-5 Temperature, Salinity

 STA: 43 HH-5 LAT: 44 0.1 N LONG: 125 0.1 W  
 17 APR 2000 0400 GMT DEPTH 933


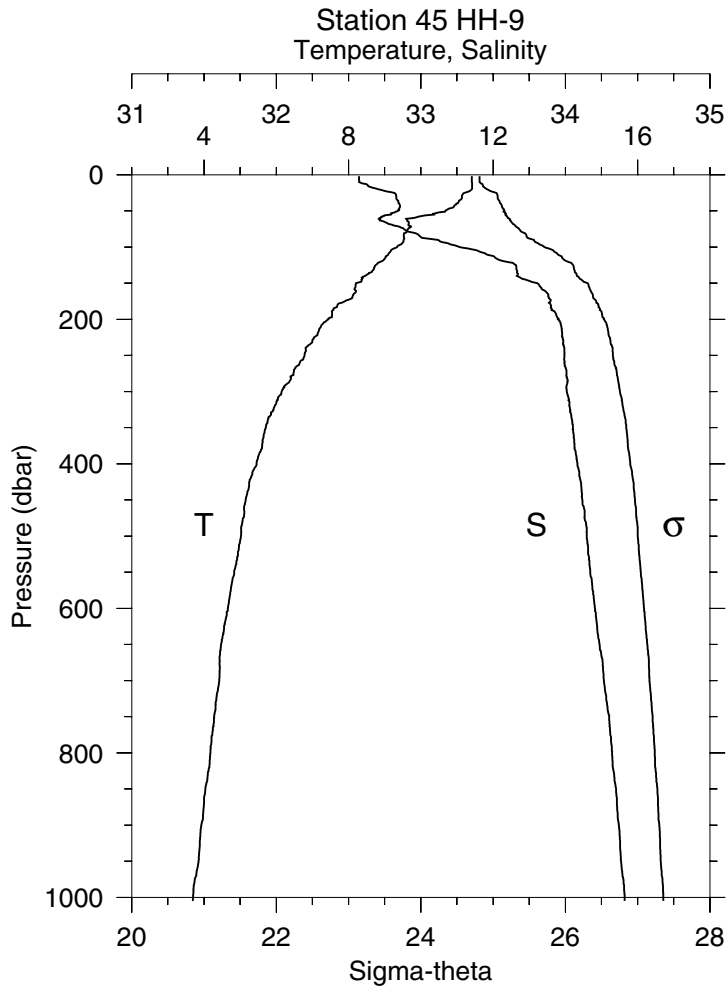
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	11.10	32.108	11.10	24.507	0.068	0.59	4.45
10	10.84	32.298	10.84	24.701	0.337	1.08	4.40
20	9.91	32.521	9.91	25.031	0.655	1.12	4.44
30	9.86	32.583	9.86	25.090	0.944	0.86	4.48
40	9.79	32.700	9.78	25.192	1.226	0.60	4.53
50	9.65	32.740	9.65	25.246	1.501	0.31	4.58
60	9.50	32.806	9.49	25.323	1.769	0.24	4.59
70	9.35	32.996	9.34	25.496	2.027	0.21	4.58
80	9.27	33.170	9.26	25.644	2.269	0.17	4.57
90	9.09	33.304	9.08	25.779	2.499	0.16	4.58
100	8.87	33.474	8.86	25.945	2.713	0.15	4.57
110	8.24	33.679	8.23	26.203	2.907	0.16	4.53
120	7.91	33.780	7.90	26.331	3.082	0.17	4.51
130	7.53	33.892	7.52	26.474	3.247	0.16	4.52
140	7.47	33.915	7.46	26.500	3.403	0.15	4.52
150	7.39	33.922	7.37	26.519	3.557	0.16	4.50
175	7.16	33.967	7.15	26.585	3.933	0.16	4.46
200	7.03	33.988	7.01	26.620	4.300	0.16	4.44
225	6.86	34.002	6.84	26.655	4.657	0.16	4.42
250	6.76	34.010	6.74	26.675	5.009	0.16	4.39
275	6.62	34.020	6.60	26.701	5.354	0.15	4.41
300	6.46	34.033	6.43	26.733	5.694	0.16	4.45
350	6.18	34.053	6.15	26.786	6.353	0.15	4.50
400	5.94	34.055	5.91	26.818	6.998	0.15	4.55
450	5.76	34.073	5.72	26.855	7.629	0.15	4.56
500	5.45	34.108	5.41	26.921	8.242	0.15	4.51
600	4.88	34.188	4.83	27.051	9.357	0.15	4.55
800	4.06	34.343	4.00	27.263	11.270	0.15	4.57
936	3.75	34.398	3.68	27.339	12.418	0.14	4.53

# Station 44 HH-7 Temperature, Salinity

 STA: 44 HH-7 LAT: 44 0.1 N LONG: 125 12.1 W  
 17 APR 2000 0553 GMT DEPTH 1701


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	11.19	32.275	11.19	24.620	0.066	0.46	4.49
10	11.19	32.277	11.19	24.622	0.331	0.46	4.49
20	10.58	32.325	10.58	24.767	0.659	0.72	4.44
30	10.34	32.705	10.34	25.104	0.959	1.05	4.44
40	10.20	32.766	10.19	25.176	1.241	0.81	4.50
50	9.97	32.734	9.96	25.189	1.519	0.40	4.56
60	9.80	32.736	9.79	25.220	1.795	0.36	4.57
70	9.92	32.923	9.91	25.346	2.065	0.19	4.59
80	9.84	33.061	9.83	25.467	2.322	0.17	4.58
90	9.52	33.242	9.51	25.660	2.561	0.16	4.58
100	9.12	33.483	9.11	25.912	2.781	0.14	4.58
110	8.90	33.595	8.89	26.036	2.986	0.14	4.58
120	8.78	33.655	8.77	26.101	3.183	0.14	4.58
130	8.58	33.761	8.56	26.216	3.370	0.14	4.59
140	8.50	33.792	8.48	26.253	3.550	0.15	4.59
150	8.28	33.845	8.26	26.328	3.726	0.15	4.59
175	8.02	33.919	8.00	26.425	4.141	0.15	4.59
200	7.52	33.962	7.50	26.531	4.534	0.15	4.59
225	7.12	33.981	7.10	26.603	4.907	0.15	4.59
250	6.79	33.988	6.77	26.654	5.266	0.15	4.59
275	6.49	34.005	6.47	26.707	5.612	0.15	4.59
300	6.27	34.015	6.24	26.743	5.950	0.15	4.59
350	5.86	34.020	5.83	26.800	6.605	0.15	4.60
400	5.57	34.054	5.54	26.862	7.232	0.15	4.60
450	5.38	34.090	5.34	26.914	7.836	0.15	4.59
500	5.13	34.121	5.09	26.968	8.415	0.14	4.52
600	4.78	34.201	4.73	27.072	9.506	0.15	4.58
800	4.19	34.319	4.13	27.231	11.443	0.15	4.57
1000	3.70	34.409	3.63	27.353	13.149	0.15	4.58
1006	3.68	34.412	3.61	27.358	13.197	0.15	4.57

W0004B

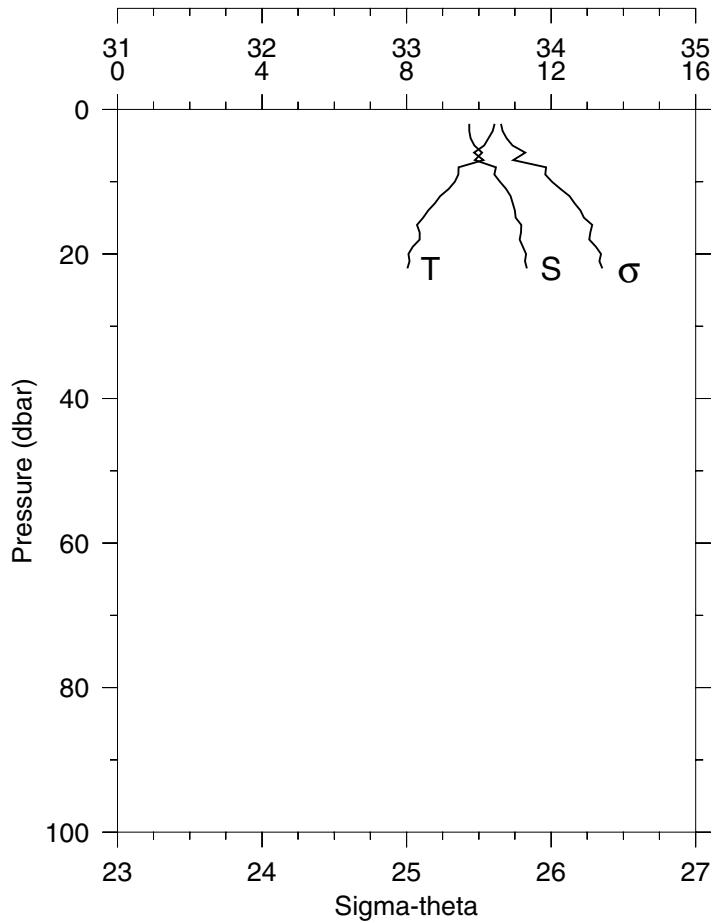


STA: 45 HH-9 LAT: 44 0.1 N LONG: 125 24.0 W  
17 APR 2000 0754 GMT DEPTH 3019

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	11.41	32.573	11.41	24.813	0.063	0.33	4.54
10	11.41	32.573	11.41	24.813	0.313	0.32	4.54
20	11.41	32.705	11.41	24.916	0.621	0.36	4.54
30	11.14	32.830	11.13	25.063	0.915	0.40	4.57
40	10.99	32.851	10.98	25.106	1.203	0.36	4.57
50	10.68	32.844	10.68	25.154	1.486	0.34	4.58
60	9.79	32.714	9.78	25.204	1.766	0.38	4.57
70	9.66	32.812	9.65	25.302	2.038	0.27	4.59
80	9.59	32.948	9.58	25.420	2.300	0.23	4.58
90	9.52	33.119	9.51	25.564	2.551	0.22	4.58
100	9.34	33.267	9.33	25.709	2.788	0.16	4.58
110	9.10	33.453	9.09	25.893	3.007	0.15	4.58
120	8.90	33.584	8.89	26.028	3.213	0.15	4.58
130	8.70	33.661	8.69	26.119	3.406	0.14	4.59
140	8.46	33.664	8.44	26.158	3.595	0.14	4.59
150	8.21	33.805	8.19	26.307	3.776	0.14	4.60
175	7.90	33.896	7.88	26.424	4.197	0.15	4.59
200	7.44	33.948	7.42	26.532	4.590	0.15	4.58
225	7.04	33.982	7.02	26.615	4.960	0.15	4.58
250	6.78	33.993	6.76	26.658	5.316	0.16	4.58
275	6.48	34.008	6.45	26.711	5.663	0.15	4.59
300	6.14	34.010	6.12	26.755	5.998	0.15	4.59
350	5.70	34.051	5.67	26.843	6.637	0.15	4.59
400	5.46	34.083	5.42	26.899	7.247	0.15	4.59
450	5.15	34.117	5.12	26.962	7.827	0.14	4.59
500	5.02	34.148	4.98	27.002	8.386	0.15	4.59
600	4.66	34.205	4.61	27.088	9.454	0.15	4.59
800	4.17	34.323	4.11	27.236	11.375	0.15	4.59
1000	3.70	34.409	3.62	27.355	13.077	0.15	4.57
1005	3.69	34.410	3.62	27.355	13.117	0.15	4.57

W0007A

### Station 1 NH-1 Temperature, Salinity



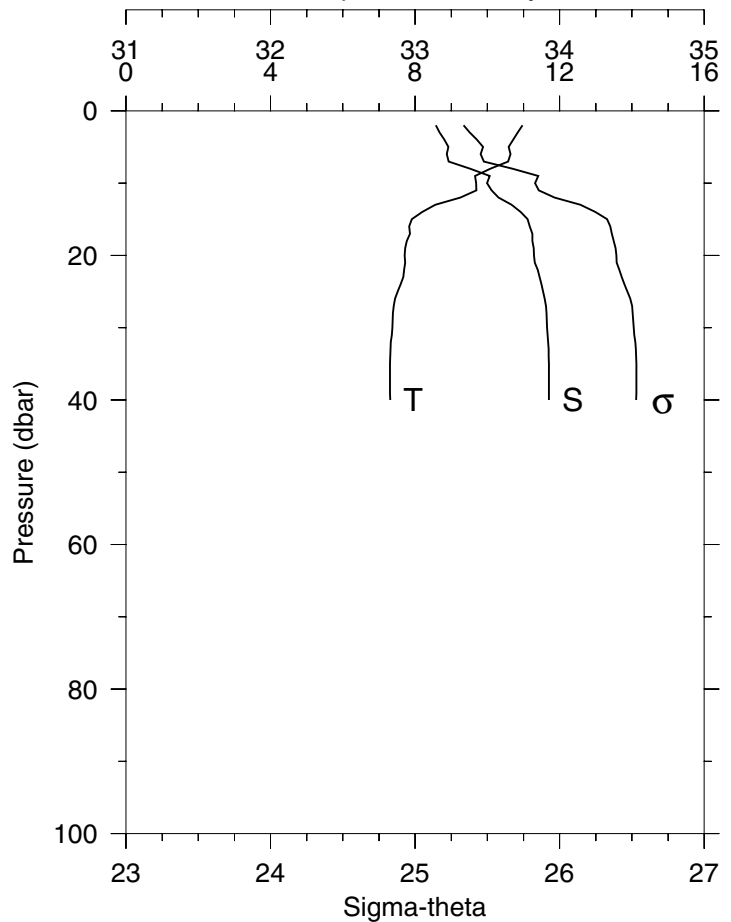
STA: 1 NH-1 LAT: 44 39.1 N LONG: 124 6.1 W  
07 JUL 2000 1825 GMT DEPTH 27

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.44	33.433	10.44	25.654	0.047	5.00	3.16
10	9.34	33.646	9.34	26.005	0.222	5.00	3.54
20	8.06	33.827	8.05	26.345	0.402	2.40	4.07
22	8.02	33.833	8.02	26.354	0.435	2.30	4.05

STA: 2 NH-3 LAT: 44 39.0 N LONG: 124 7.9 W  
07 JUL 2000 1914 GMT DEPTH 46

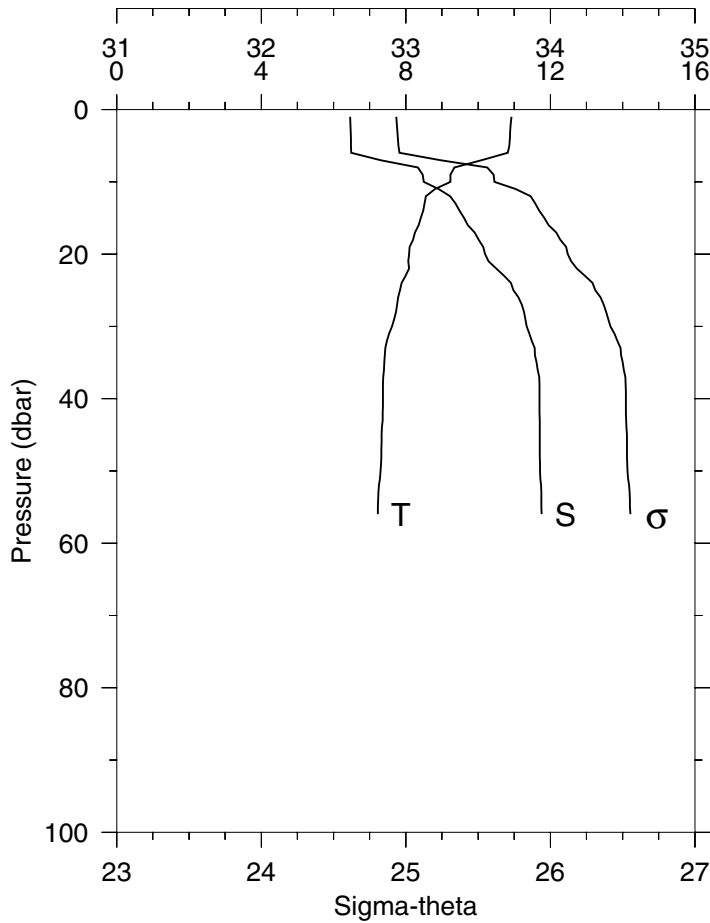
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.98	33.144	10.98	25.335	0.053	3.81	3.46
10	9.69	33.498	9.69	25.831	0.247	5.00	3.51
20	7.72	33.823	7.71	26.392	0.427	0.75	4.39
30	7.37	33.914	7.37	26.512	0.584	0.43	4.43
40	7.31	33.926	7.31	26.530	0.734	0.70	4.35

### Station 2 NH-3 Temperature, Salinity



W0007A

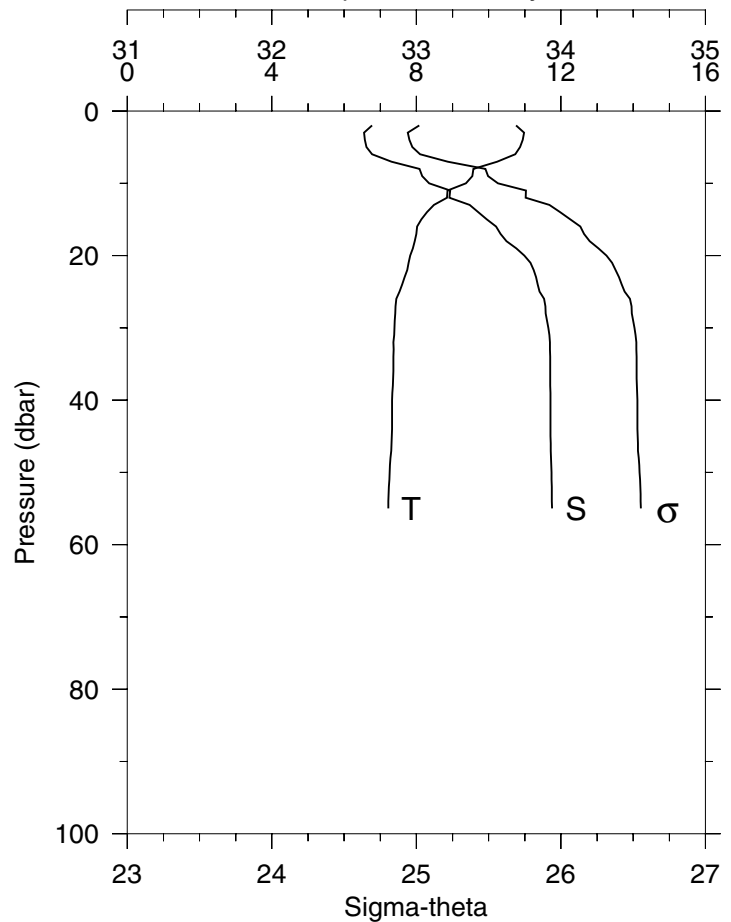
### Station 3 NH-5 Temperature, Salinity



STA: 3 NH-5 LAT: 44 39.1 N LONG: 124 10.8 W  
07 JUL 2000 1957 GMT DEPTH 60

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	10.92	32.614	10.92	24.933	0.030	2.70	3.58
10	9.23	33.124	9.23	25.613	0.282	4.92	3.86
20	8.09	33.549	8.09	26.121	0.487	0.98	4.36
30	7.62	33.836	7.61	26.416	0.659	0.34	4.46
40	7.36	33.925	7.36	26.522	0.813	0.20	4.49
50	7.30	33.929	7.30	26.534	0.963	0.23	4.48
56	7.22	33.939	7.22	26.553	1.052	0.63	4.43

### Station 4 NH-5 Temperature, Salinity

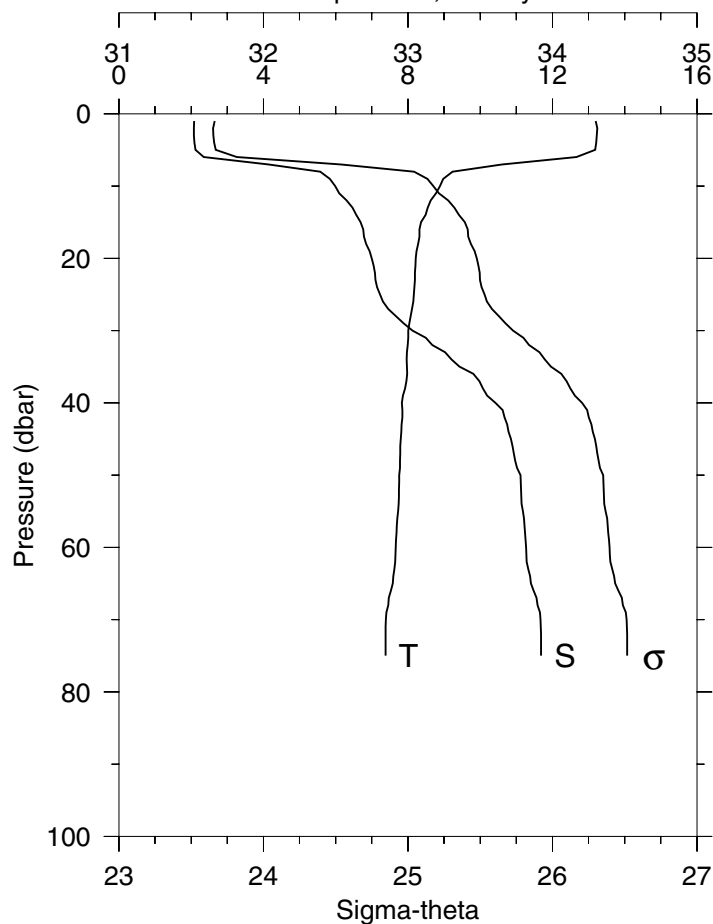


STA: 4 NH-5 LAT: 44 39.1 N LONG: 124 10.8 W  
07 JUL 2000 2035 GMT DEPTH 60

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.76	32.693	10.76	25.021	0.059	4.40	3.56
10	9.37	33.089	9.37	25.564	0.281	4.77	3.99
20	7.83	33.747	7.83	26.315	0.480	0.77	4.39
30	7.39	33.913	7.39	26.509	0.638	0.18	4.52
40	7.33	33.927	7.33	26.529	0.789	0.22	4.49
50	7.26	33.936	7.26	26.545	0.939	0.29	4.47
55	7.22	33.939	7.22	26.553	1.013	0.47	4.43

W0007A

### Station 5 NH-10 Temperature, Salinity



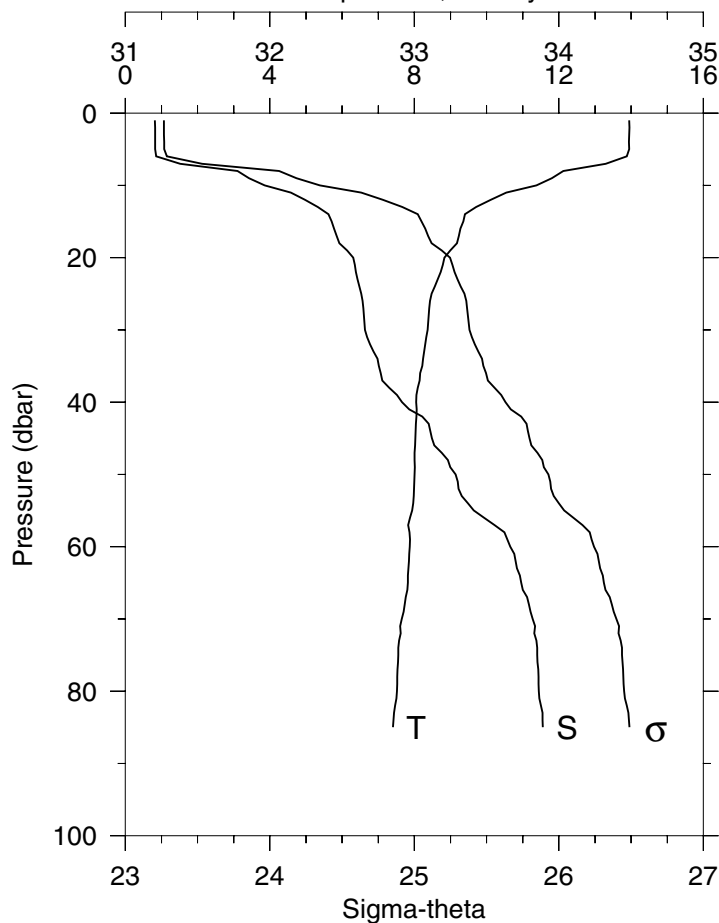
STA: 5 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W  
08 JUL 2000 0023 GMT DEPTH 83

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (V)	FL (V)	TRN (V)
1	13.20	31.521	13.20	23.662	0.042	3.32	3.77
10	8.89	32.496	8.88	25.176	0.378	1.40	4.32
20	8.22	32.750	8.21	25.476	0.639	0.51	4.49
30	8.01	33.031	8.00	25.728	0.881	0.42	4.51
40	7.83	33.606	7.83	26.205	1.083	0.25	4.50
50	7.76	33.778	7.75	26.350	1.256	0.16	4.54
60	7.66	33.817	7.66	26.395	1.421	0.16	4.54
70	7.39	33.917	7.38	26.513	1.580	0.19	4.50
75	7.38	33.920	7.37	26.517	1.656	0.20	4.48

STA: 6 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W  
08 JUL 2000 0144 GMT DEPTH 94

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (V)	FL (V)	TRN (V)
1	13.94	31.204	13.94	23.268	0.046	1.88	4.03
10	11.38	31.965	11.38	24.347	0.436	1.62	4.11
20	8.84	32.577	8.83	25.247	0.734	1.00	4.38
30	8.37	32.659	8.37	25.382	0.998	0.55	4.52
40	8.05	32.915	8.05	25.630	1.247	0.38	4.55
50	8.01	33.286	8.00	25.927	1.466	0.22	4.55
60	7.88	33.664	7.87	26.244	1.660	0.15	4.55
70	7.66	33.819	7.65	26.398	1.831	0.15	4.54
80	7.52	33.862	7.51	26.451	1.991	0.18	4.52
85	7.41	33.890	7.40	26.488	2.069	0.19	4.49

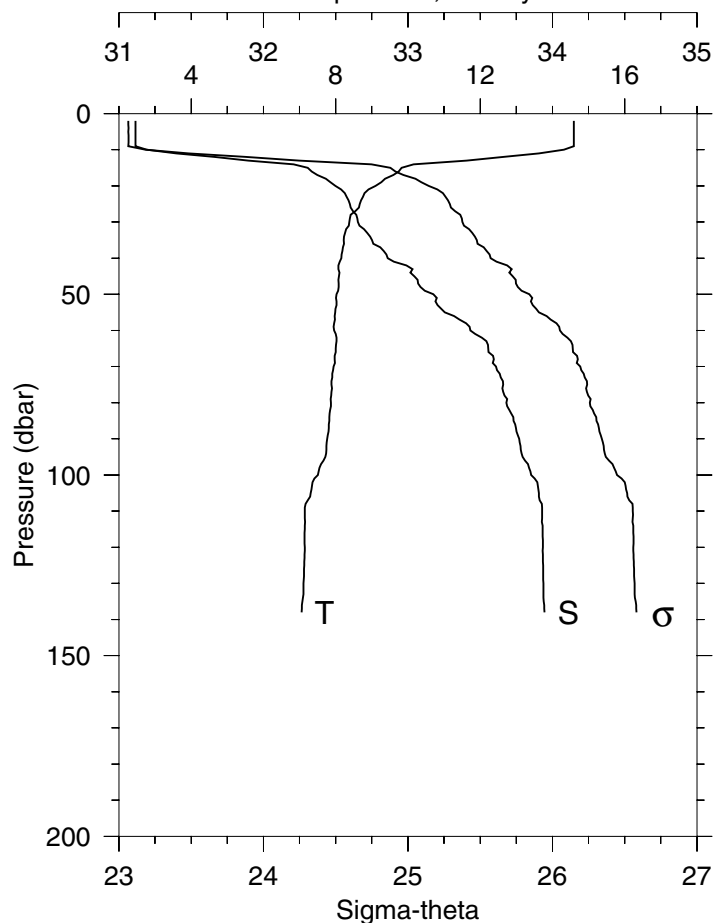
### Station 6 NH-15 Temperature, Salinity





W0007A

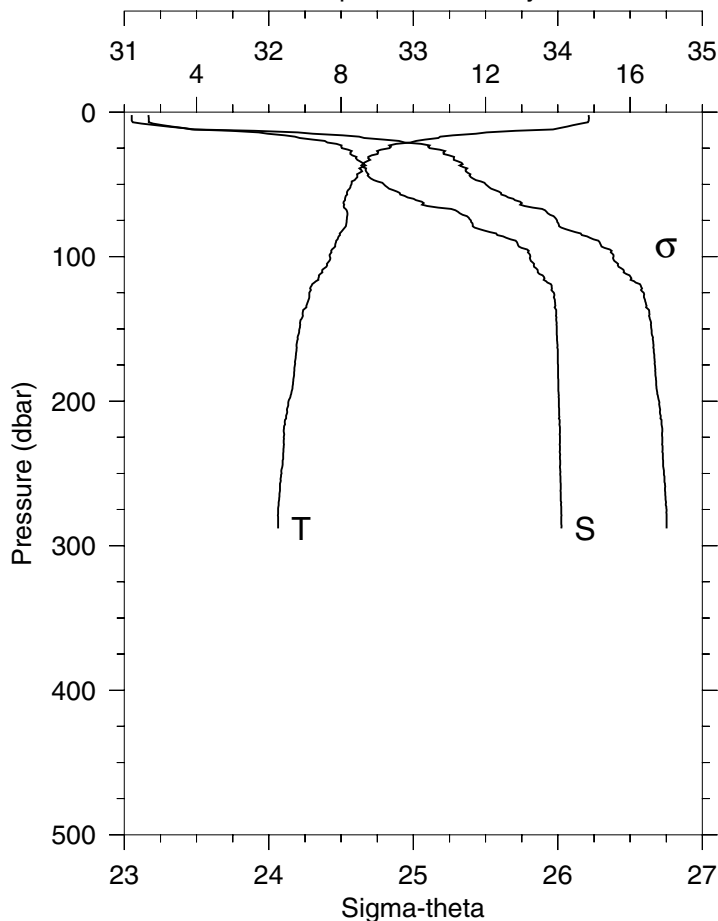
### Station 7 NH-20 Temperature, Salinity



STA: 7 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W  
08 JUL 2000 0411 GMT DEPTH 144

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (V)	FL (V)	TRN (V)
2	14.59	31.114	14.59	23.065	0.096	1.20	4.05
10	14.31	31.192	14.31	23.183	0.479	1.22	4.05
20	9.10	32.498	9.10	25.145	0.818	1.43	4.30
30	8.38	32.654	8.37	25.377	1.085	0.67	4.51
40	8.15	32.860	8.15	25.572	1.335	0.30	4.56
50	8.02	33.176	8.02	25.839	1.562	0.19	4.57
60	7.95	33.432	7.95	26.051	1.769	0.17	4.55
70	7.94	33.610	7.94	26.192	1.957	0.15	4.56
80	7.87	33.681	7.86	26.258	2.136	0.14	4.54
90	7.77	33.769	7.76	26.342	2.308	0.16	4.54
100	7.51	33.853	7.50	26.446	2.473	0.20	4.53
110	7.14	33.928	7.14	26.556	2.625	0.22	4.49
120	7.14	33.933	7.13	26.560	2.774	0.22	4.49
130	7.11	33.937	7.09	26.569	2.922	0.22	4.49
138	7.05	33.944	7.04	26.581	3.040	0.23	4.45

### Station 8 NH-25 Temperature, Salinity

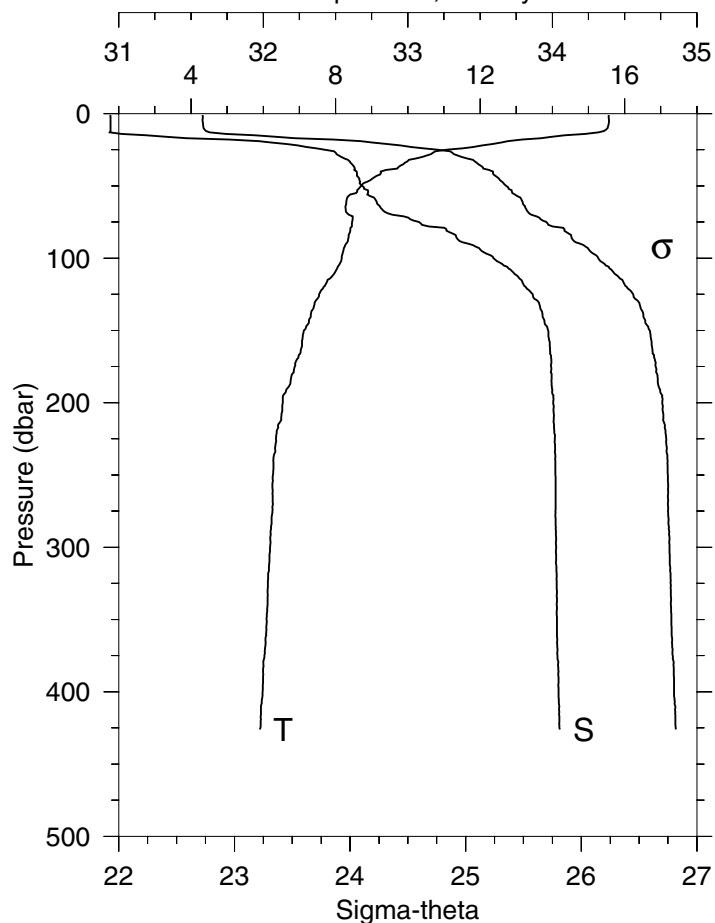


STA: 8 NH-25 LAT: 44 39.2 N LONG: 124 39.0 W  
08 JUL 2000 0535 GMT DEPTH 296

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (V)	FL (V)	TRN (V)
2	14.85	31.167	14.85	23.051	0.096	0.69	4.15
10	14.26	31.328	14.26	23.298	0.477	0.81	4.19
20	10.08	32.387	10.08	24.900	0.849	1.11	4.45
30	8.85	32.578	8.84	25.247	1.132	0.47	4.55
40	8.56	32.669	8.56	25.362	1.398	0.43	4.57
50	8.29	32.796	8.28	25.502	1.653	0.28	4.57
60	8.11	33.002	8.10	25.691	1.894	0.20	4.58
70	8.17	33.320	8.17	25.930	2.113	0.16	4.59
80	8.10	33.424	8.09	26.023	2.315	0.15	4.57
90	7.86	33.718	7.85	26.290	2.500	0.16	4.54
100	7.69	33.809	7.68	26.386	2.669	0.22	4.53
110	7.47	33.861	7.46	26.457	2.831	0.20	4.53
120	7.18	33.958	7.17	26.574	2.984	0.17	4.56
130	7.10	33.979	7.08	26.603	3.130	0.15	4.58
140	6.93	33.989	6.92	26.634	3.273	0.15	4.57
150	6.85	33.993	6.84	26.648	3.415	0.16	4.56
175	6.72	34.001	6.70	26.672	3.763	0.16	4.55
200	6.54	34.007	6.53	26.701	4.107	0.15	4.56
225	6.42	34.015	6.40	26.723	4.445	0.16	4.56
250	6.35	34.017	6.33	26.734	4.780	0.15	4.56
275	6.26	34.024	6.23	26.752	5.113	0.16	4.51
288	6.26	34.024	6.23	26.752	5.285	0.16	4.49

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### Station 9 NH-35 Temperature, Salinity



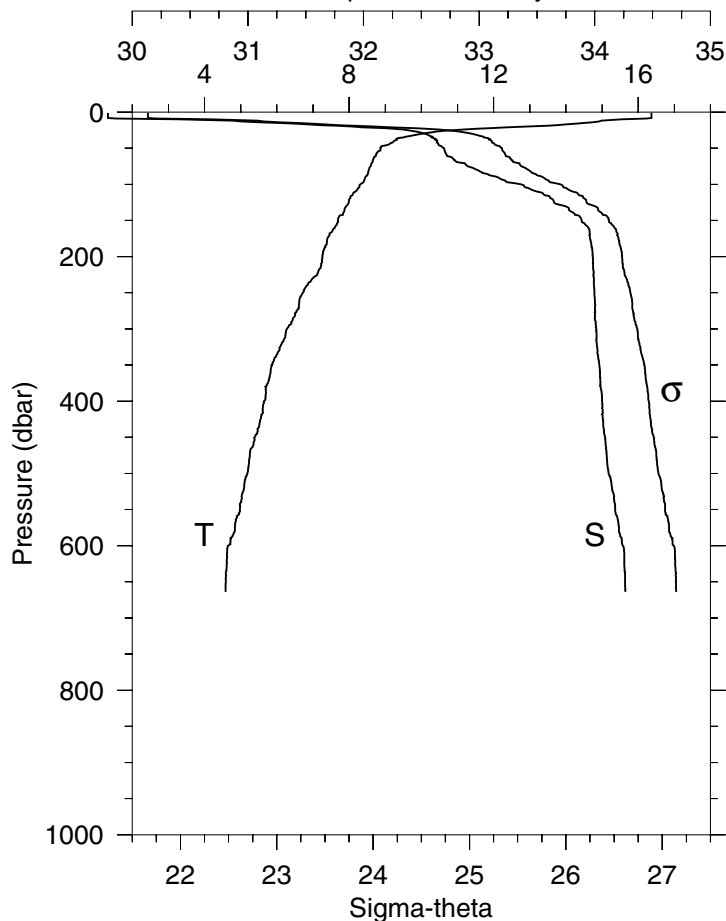
STA: 9 NH-35 LAT: 44 39.2 N LONG: 124 53.0 W  
08 JUL 2000 0859 GMT DEPTH 436

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
1	15.56	30.941	15.56	22.725	0.051	0.46	4.36
10	15.53	30.943	15.53	22.734	0.512	0.45	4.36
20	12.60	32.052	12.59	24.189	0.972	0.55	4.38
30	10.40	32.538	10.40	24.963	1.297	0.98	4.39
40	9.25	32.646	9.24	25.237	1.583	0.67	4.53
50	8.71	32.684	8.70	25.351	1.851	0.37	4.57
60	8.31	32.778	8.30	25.486	2.107	0.28	4.58
70	8.37	32.894	8.36	25.567	2.353	0.26	4.59
80	8.41	33.266	8.40	25.853	2.583	0.16	4.61
90	8.29	33.421	8.28	25.993	2.793	0.16	4.60
100	8.17	33.593	8.16	26.146	2.987	0.14	4.60
110	7.98	33.730	7.97	26.281	3.168	0.14	4.58
120	7.67	33.815	7.66	26.393	3.337	0.14	4.57
130	7.44	33.901	7.43	26.494	3.497	0.15	4.57
140	7.31	33.932	7.30	26.536	3.649	0.15	4.57
150	7.12	33.970	7.11	26.593	3.798	0.15	4.58
175	6.87	33.991	6.86	26.643	4.157	0.15	4.58
200	6.54	34.006	6.52	26.701	4.504	0.15	4.56
225	6.35	34.017	6.33	26.734	4.841	0.16	4.53
250	6.27	34.021	6.24	26.748	5.173	0.15	4.55
275	6.26	34.021	6.23	26.750	5.504	0.15	4.55
300	6.18	34.026	6.16	26.763	5.833	0.15	4.56
350	6.09	34.031	6.06	26.780	6.488	0.15	4.55
400	5.98	34.043	5.95	26.803	7.137	0.15	4.53
426	5.91	34.051	5.87	26.819	7.471	0.16	4.49

STA: 10 NH-45 LAT: 44 39.1 N LONG: 125 7.2 W  
08 JUL 2000 1419 GMT DEPTH 702

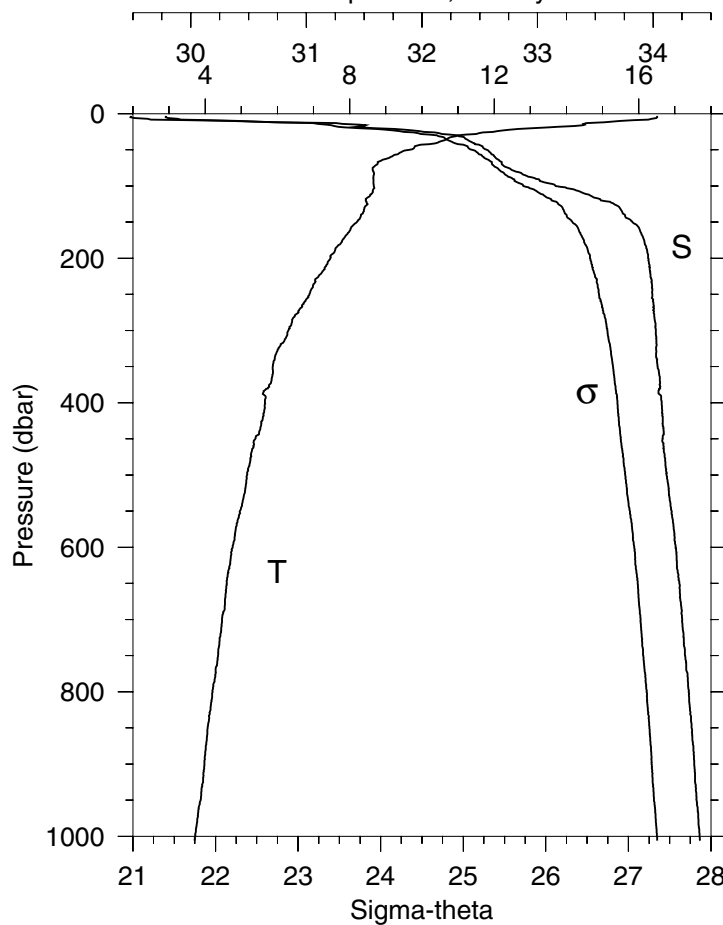
P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
1	16.36	29.789	16.36	21.665	0.061	0.34	4.43
10	15.54	30.409	15.53	22.322	0.610	0.38	4.41
20	12.92	31.904	12.92	24.012	1.077	0.47	4.46
30	10.03	32.535	10.03	25.023	1.403	0.66	4.55
40	9.25	32.637	9.24	25.230	1.684	0.43	4.57
50	8.87	32.695	8.86	25.335	1.954	0.32	4.59
60	8.74	32.718	8.74	25.373	2.216	0.27	4.59
70	8.63	32.844	8.63	25.488	2.471	0.21	4.60
80	8.55	32.985	8.54	25.612	2.715	0.19	4.60
90	8.45	33.159	8.44	25.763	2.947	0.17	4.60
100	8.31	33.364	8.30	25.945	3.165	0.16	4.59
110	8.17	33.500	8.16	26.072	3.366	0.15	4.59
120	8.02	33.628	8.00	26.196	3.554	0.14	4.57
130	7.93	33.740	7.91	26.297	3.734	0.15	4.57
140	7.84	33.819	7.82	26.373	3.904	0.15	4.58
150	7.69	33.887	7.68	26.447	4.066	0.15	4.58
175	7.40	33.958	7.39	26.545	4.452	0.15	4.59
200	7.26	33.982	7.24	26.583	4.825	0.15	4.59
225	7.11	33.988	7.09	26.609	5.192	0.15	4.59
250	6.73	33.997	6.70	26.669	5.547	0.15	4.59
275	6.55	34.003	6.52	26.698	5.894	0.15	4.59
300	6.28	34.013	6.25	26.741	6.234	0.15	4.59
350	5.86	34.039	5.83	26.815	6.888	0.15	4.60
400	5.65	34.064	5.61	26.861	7.514	0.15	4.60
450	5.39	34.087	5.35	26.910	8.122	0.15	4.60
500	5.19	34.120	5.15	26.961	8.705	0.15	4.58
600	4.65	34.244	4.60	27.121	9.780	0.15	4.58
664	4.58	34.264	4.53	27.145	10.411	0.15	4.58

### Station 10 NH-45 Temperature, Salinity



# Station 11 NH-55 Temperature, Salinity

STA: 11 NH-55 LAT: 44 39.1 N LONG: 125 22.0 W  
08 JUL 2000 1627 GMT DEPTH 2866

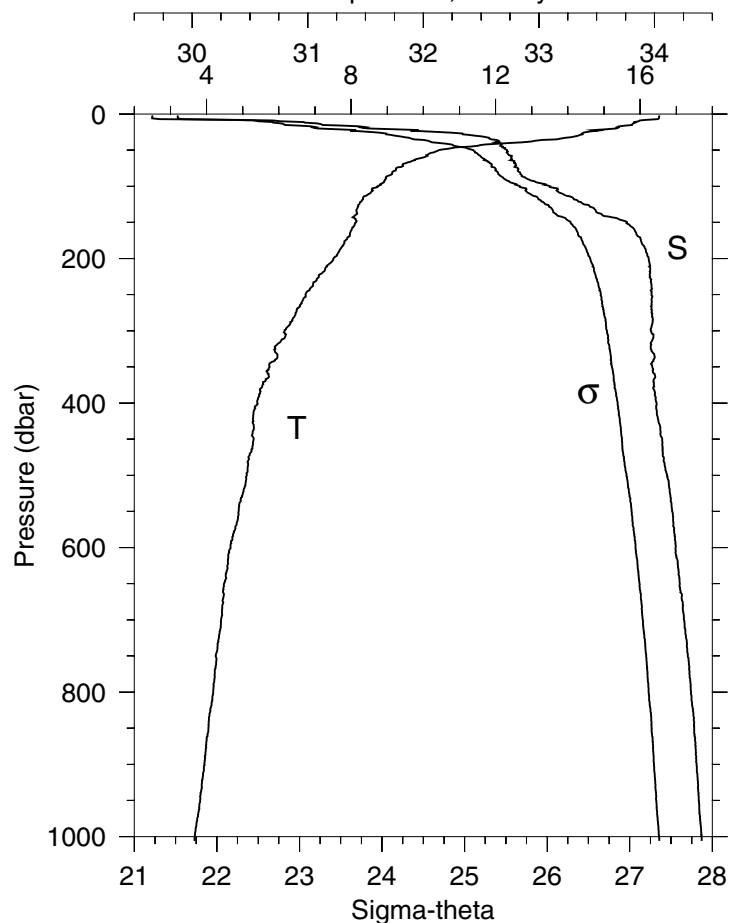


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
3	16.51	29.481	16.51	21.396	0.192	0.20	4.50
10	15.47	30.347	15.47	22.287	0.626	0.32	4.46
20	13.08	31.578	13.08	23.729	1.094	0.49	4.43
30	10.99	32.309	10.98	24.684	1.458	0.61	4.49
40	10.44	32.437	10.44	24.878	1.773	0.77	4.50
50	9.66	32.560	9.65	25.104	2.067	0.62	4.55
60	9.13	32.632	9.13	25.245	2.346	0.30	4.59
70	8.76	32.692	8.76	25.350	2.612	0.22	4.60
80	8.65	32.811	8.65	25.459	2.870	0.19	4.61
90	8.65	32.986	8.65	25.597	3.116	0.18	4.61
100	8.67	33.155	8.66	25.727	3.349	0.15	4.61
110	8.62	33.397	8.61	25.924	3.566	0.14	4.61
120	8.44	33.548	8.43	26.069	3.767	0.14	4.61
130	8.41	33.710	8.40	26.202	3.955	0.14	4.61
140	8.31	33.755	8.30	26.252	4.136	0.14	4.60
150	8.20	33.821	8.18	26.321	4.311	0.14	4.60
175	7.80	33.922	7.78	26.459	4.722	0.14	4.60
200	7.47	33.956	7.45	26.535	5.110	0.14	4.59
225	7.14	33.977	7.12	26.597	5.484	0.15	4.60
250	6.89	33.994	6.86	26.645	5.844	0.15	4.60
275	6.58	34.005	6.55	26.695	6.194	0.15	4.59
300	6.30	34.023	6.28	26.745	6.532	0.15	4.59
350	5.87	34.039	5.84	26.813	7.182	0.15	4.60
400	5.66	34.073	5.62	26.867	7.806	0.15	4.60
450	5.39	34.083	5.35	26.907	8.412	0.15	4.60
500	5.16	34.116	5.12	26.961	8.995	0.14	4.60
600	4.76	34.195	4.72	27.069	10.091	0.15	4.60
800	4.21	34.307	4.14	27.220	12.057	0.15	4.60
1000	3.72	34.402	3.65	27.346	13.784	0.15	4.60
1006	3.69	34.407	3.62	27.353	13.832	0.14	4.60

STA: 12 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W  
08 JUL 2000 1824 GMT DEPTH 2858

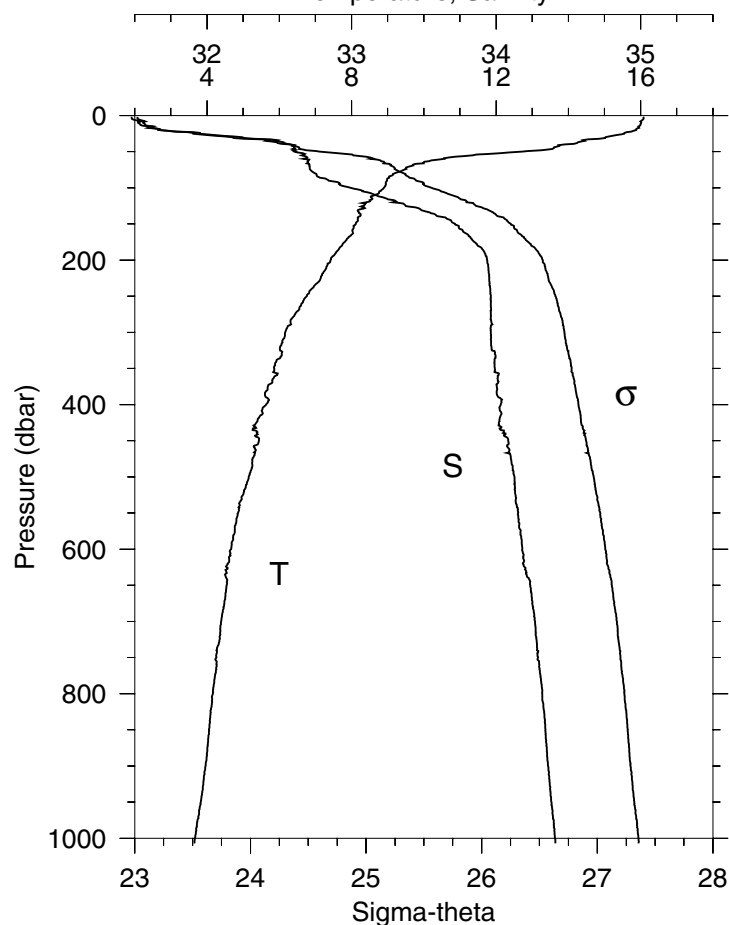
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	16.53	29.657	16.53	21.526	0.125	0.18	4.53
10	15.96	30.763	15.96	22.501	0.606	0.22	4.52
20	15.34	31.519	15.34	23.218	1.101	0.23	4.53
30	14.29	32.444	14.28	24.154	1.508	0.24	4.55
40	12.45	32.644	12.44	24.677	1.858	0.32	4.56
50	10.43	32.724	10.43	25.104	2.161	0.34	4.58
60	10.02	32.763	10.02	25.203	2.442	0.37	4.58
70	9.43	32.801	9.42	25.331	2.713	0.32	4.60
80	9.15	32.828	9.14	25.397	2.975	0.23	4.60
90	8.95	32.903	8.95	25.485	3.230	0.19	4.61
100	8.73	33.097	8.72	25.672	3.472	0.18	4.61
110	8.52	33.198	8.51	25.784	3.699	0.18	4.61
120	8.29	33.336	8.28	25.926	3.914	0.15	4.61
130	8.17	33.473	8.16	26.051	4.117	0.14	4.61
140	8.12	33.550	8.10	26.120	4.311	0.13	4.61
150	8.14	33.762	8.12	26.283	4.493	0.13	4.61
175	7.84	33.881	7.82	26.421	4.914	0.14	4.60
200	7.51	33.949	7.49	26.522	5.310	0.15	4.60
225	7.10	33.962	7.08	26.590	5.685	0.14	4.60
250	6.74	33.975	6.72	26.650	6.046	0.15	4.60
275	6.46	33.974	6.44	26.686	6.397	0.14	4.60
300	6.16	33.971	6.13	26.723	6.739	0.15	4.60
350	5.74	33.981	5.72	26.783	7.401	0.14	4.61
400	5.41	34.018	5.37	26.854	8.035	0.14	4.60
450	5.30	34.067	5.27	26.905	8.642	0.15	4.60
500	5.11	34.107	5.07	26.959	9.228	0.15	4.60
600	4.66	34.182	4.61	27.070	10.319	0.14	4.60
800	4.19	34.315	4.12	27.228	12.262	0.15	4.60
1000	3.67	34.407	3.60	27.355	13.968	0.14	4.60
1006	3.66	34.408	3.59	27.357	14.016	0.14	4.60

# Station 12 NH-65 Temperature, Salinity



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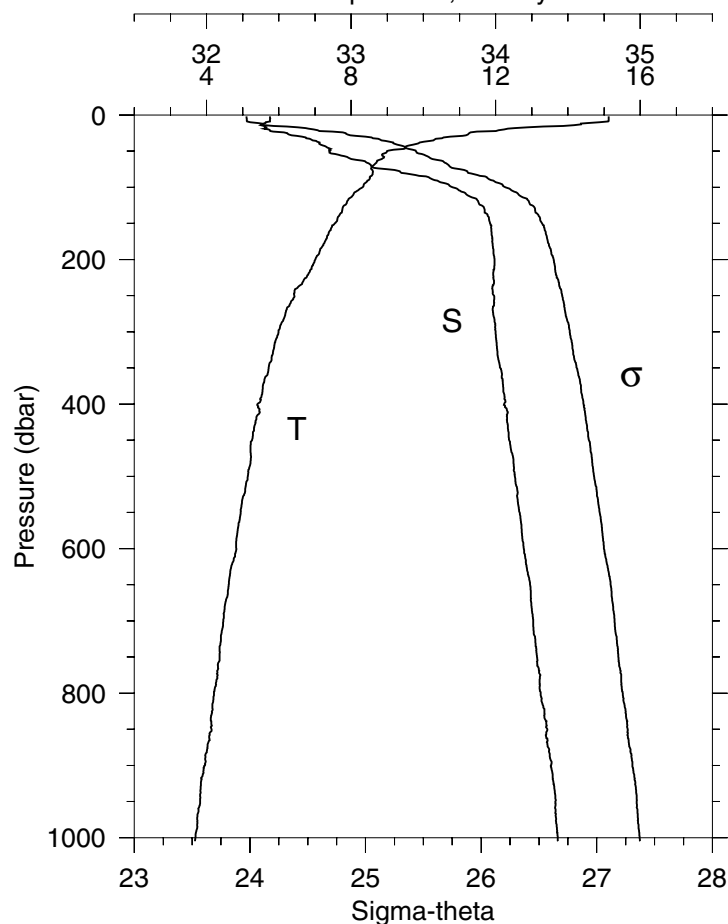
# Station 13 NH-85 Temperature, Salinity



STA: 13 NH-85 LAT: 44 39.1 N LONG: 126 3.1 W  
08 JUL 2000 2115 GMT DEPTH 2882

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	16.07	31.479	16.07	23.026	0.097	0.16	4.51
10	16.02	31.522	16.01	23.072	0.481	0.19	4.51
20	15.87	31.664	15.87	23.213	0.954	0.20	4.51
30	15.03	32.241	15.02	23.842	1.390	0.26	4.51
40	13.90	32.575	13.89	24.337	1.770	0.28	4.52
50	12.72	32.606	12.71	24.595	2.119	0.36	4.49
60	10.57	32.668	10.56	25.036	2.426	1.09	4.48
70	9.62	32.711	9.61	25.229	2.707	0.44	4.57
80	9.18	32.749	9.17	25.329	2.977	0.25	4.60
90	8.98	32.842	8.97	25.433	3.238	0.21	4.61
100	8.89	32.995	8.88	25.567	3.487	0.18	4.61
110	8.65	33.166	8.63	25.740	3.721	0.17	4.61
120	8.40	33.286	8.39	25.870	3.940	0.17	4.61
130	8.21	33.478	8.20	26.049	4.145	0.14	4.62
140	8.20	33.615	8.19	26.158	4.338	0.13	4.61
150	8.12	33.716	8.10	26.251	4.520	0.13	4.61
175	7.81	33.849	7.79	26.401	4.949	0.14	4.60
200	7.41	33.938	7.39	26.528	5.343	0.14	4.60
225	7.14	33.953	7.12	26.577	5.720	0.14	4.60
250	6.76	33.963	6.74	26.637	6.084	0.14	4.60
275	6.43	33.963	6.41	26.681	6.436	0.15	4.60
300	6.16	33.963	6.14	26.716	6.779	0.15	4.60
350	5.86	33.991	5.83	26.777	7.446	0.15	4.60
400	5.63	34.031	5.60	26.837	8.086	0.15	4.60
450	5.43	34.084	5.40	26.903	8.699	0.15	4.60
500	5.15	34.127	5.11	26.970	9.283	0.15	4.60
600	4.67	34.181	4.62	27.069	10.372	0.15	4.60
800	4.16	34.319	4.10	27.234	12.306	0.15	4.60
1000	3.66	34.408	3.59	27.357	14.016	0.14	4.60
1007	3.66	34.409	3.59	27.358	14.071	0.14	4.60

# Station 14 FM-9 Temperature, Salinity



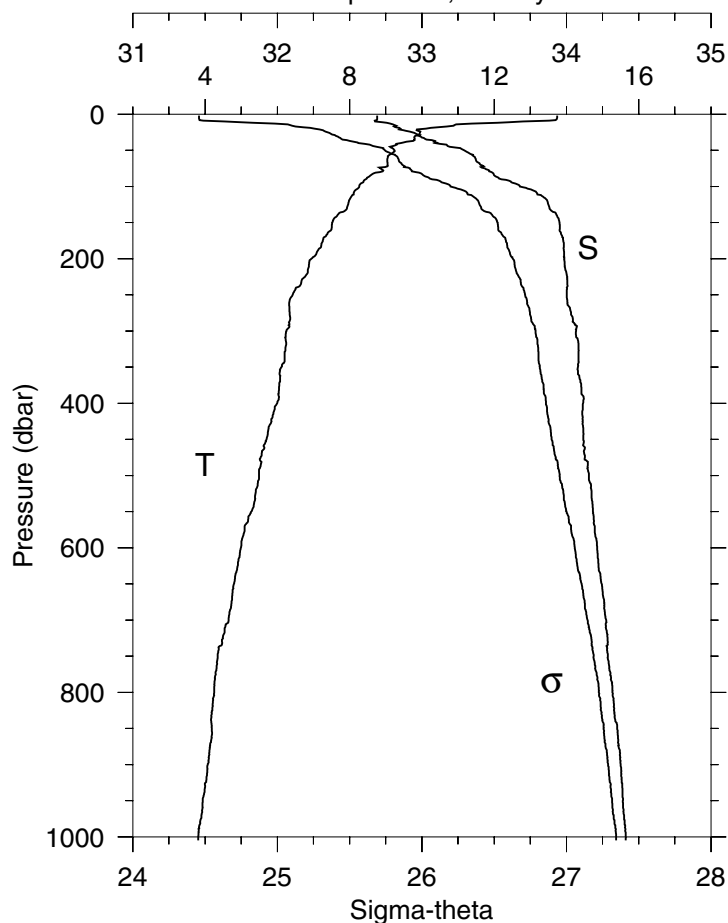
STA: 14 FM-9 LAT: 43 13.1 N LONG: 125 10.1 W  
09 JUL 2000 0637 GMT DEPTH 1658

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	15.13	32.439	15.13	23.971	0.079	0.43	4.32
10	14.87	32.409	14.87	24.004	0.393	0.43	4.33
20	12.23	32.430	12.23	24.551	0.758	0.89	4.28
30	10.75	32.660	10.74	24.999	1.075	2.69	4.11
40	9.81	32.781	9.81	25.252	1.357	1.01	4.44
50	9.00	32.849	8.99	25.436	1.619	0.39	4.54
60	8.88	32.988	8.87	25.563	1.867	0.33	4.55
70	8.61	33.139	8.60	25.723	2.100	0.26	4.57
80	8.60	33.348	8.59	25.888	2.319	0.19	4.59
90	8.48	33.577	8.48	26.085	2.520	0.19	4.58
100	8.32	33.703	8.31	26.210	2.706	0.17	4.59
110	8.07	33.798	8.06	26.322	2.882	0.15	4.59
120	7.89	33.880	7.88	26.413	3.048	0.14	4.59
130	7.76	33.922	7.75	26.465	3.208	0.15	4.59
140	7.66	33.946	7.65	26.498	3.365	0.14	4.59
150	7.55	33.962	7.54	26.526	3.518	0.14	4.59
175	7.27	33.976	7.26	26.577	3.892	0.17	4.57
200	7.01	33.992	6.99	26.627	4.256	0.16	4.59
225	6.76	33.984	6.74	26.654	4.612	0.16	4.60
250	6.43	33.988	6.41	26.701	4.959	0.15	4.60
275	6.18	33.983	6.16	26.729	5.297	0.15	4.60
300	5.99	33.999	5.97	26.766	5.629	0.15	4.60
350	5.72	34.031	5.69	26.826	6.272	0.15	4.60
400	5.41	34.058	5.37	26.885	6.887	0.14	4.60
450	5.26	34.094	5.22	26.931	7.480	0.14	4.59
500	5.14	34.133	5.10	26.976	8.053	0.15	4.60
600	4.82	34.195	4.78	27.062	9.141	0.15	4.60
800	4.20	34.312	4.14	27.224	11.096	0.15	4.60
1000	3.69	34.430	3.62	27.371	12.781	0.15	4.59
1005	3.68	34.431	3.61	27.374	12.821	0.14	4.59

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### Station 15 FM-8 Temperature, Salinity

STA: 15 FM-8 LAT: 43 13.1 N LONG: 125 0.1 W  
09 JUL 2000 0826 GMT DEPTH 1079

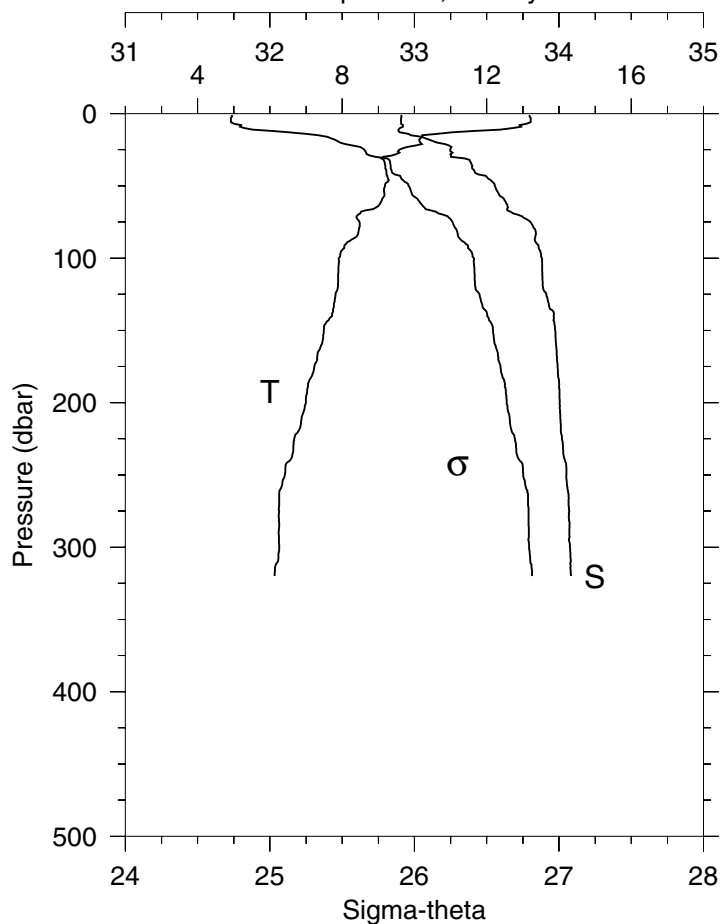


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	13.74	32.690	13.74	24.457	0.069	0.57	4.33
10	12.80	32.675	12.80	24.633	0.345	0.69	4.30
20	10.11	32.851	10.11	25.257	0.638	2.02	4.21
30	9.82	32.978	9.81	25.405	0.900	1.31	4.35
40	9.42	33.093	9.42	25.559	1.151	0.77	4.43
50	9.24	33.292	9.23	25.744	1.382	0.50	4.49
60	9.06	33.367	9.05	25.832	1.602	0.36	4.54
70	9.05	33.407	9.04	25.865	1.818	0.41	4.53
80	8.84	33.482	8.83	25.957	2.028	0.32	4.54
90	8.45	33.550	8.44	26.070	2.227	0.23	4.58
100	8.27	33.678	8.26	26.198	2.414	0.22	4.58
110	8.11	33.797	8.10	26.314	2.590	0.16	4.59
120	7.98	33.868	7.97	26.390	2.758	0.15	4.59
130	7.93	33.883	7.91	26.409	2.922	0.15	4.60
140	7.66	33.933	7.64	26.488	3.081	0.14	4.60
150	7.51	33.953	7.50	26.524	3.235	0.14	4.61
175	7.26	33.978	7.24	26.581	3.612	0.14	4.59
200	6.94	33.985	6.92	26.630	3.976	0.14	4.59
225	6.76	34.005	6.74	26.670	4.329	0.15	4.59
250	6.42	34.003	6.40	26.714	4.673	0.15	4.59
275	6.34	34.032	6.32	26.747	5.008	0.16	4.59
300	6.25	34.066	6.22	26.786	5.336	0.16	4.57
350	6.11	34.080	6.08	26.815	5.977	0.17	4.56
400	5.99	34.114	5.96	26.858	6.604	0.16	4.58
450	5.70	34.117	5.66	26.897	7.214	0.16	4.59
500	5.49	34.156	5.45	26.953	7.803	0.16	4.58
600	4.99	34.212	4.94	27.057	8.913	0.16	4.59
800	4.25	34.318	4.19	27.224	10.885	0.15	4.60
1000	3.81	34.410	3.74	27.344	12.611	0.15	4.57
1005	3.81	34.410	3.74	27.344	12.651	0.15	4.57

### Station 16 FM-7 Temperature, Salinity

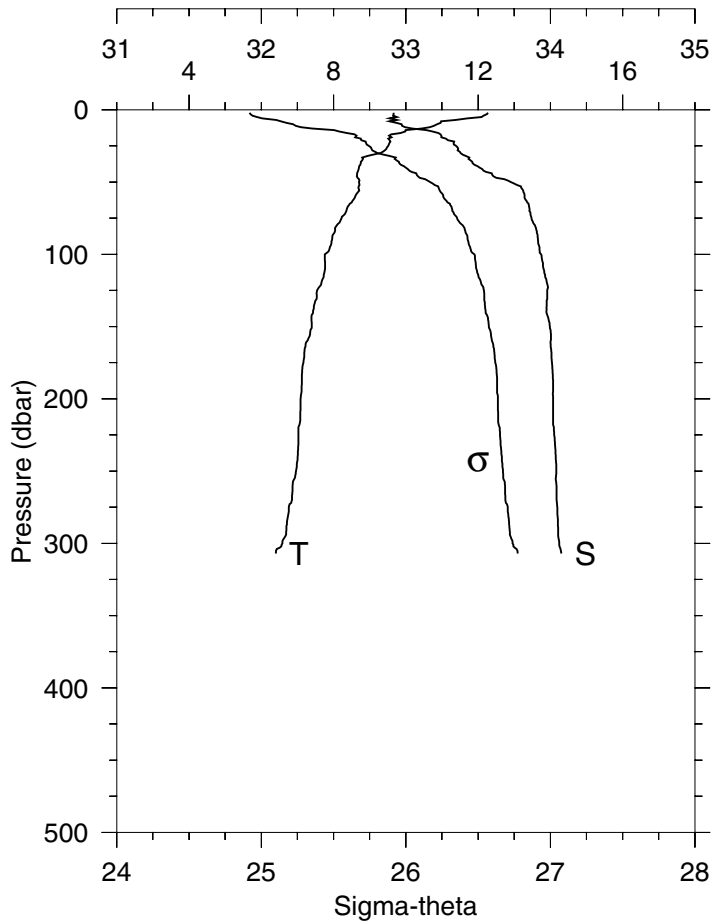
STA: 16 FM-7 LAT: 43 13.1 N LONG: 124 50.0 W  
09 JUL 2000 1102 GMT DEPTH 342

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	13.19	32.908	13.19	24.736	0.032	0.79	4.28
10	12.72	32.901	12.72	24.822	0.318	0.98	4.27
20	10.16	33.153	10.16	25.484	0.590	3.41	4.06
30	9.13	33.252	9.13	25.730	0.825	2.13	4.37
40	9.23	33.416	9.22	25.843	1.042	0.53	4.47
50	9.18	33.556	9.18	25.960	1.251	0.44	4.50
60	9.10	33.624	9.09	26.027	1.453	0.54	4.51
70	8.44	33.715	8.44	26.199	1.646	0.23	4.56
80	8.47	33.833	8.46	26.289	1.822	0.31	4.55
90	8.11	33.847	8.10	26.354	1.994	0.19	4.57
100	7.90	33.882	7.89	26.412	2.159	0.15	4.59
110	7.89	33.885	7.88	26.415	2.321	0.16	4.60
120	7.88	33.890	7.87	26.422	2.483	0.15	4.59
130	7.79	33.924	7.78	26.462	2.643	0.15	4.59
140	7.72	33.963	7.70	26.503	2.799	0.17	4.56
150	7.49	33.974	7.48	26.544	2.951	0.17	4.57
175	7.23	33.991	7.22	26.595	3.323	0.17	4.58
200	6.99	34.005	6.98	26.638	3.682	0.16	4.58
225	6.67	34.021	6.65	26.695	4.032	0.17	4.58
250	6.41	34.051	6.39	26.753	4.369	0.17	4.57
275	6.26	34.071	6.23	26.789	4.693	0.21	4.53
300	6.26	34.076	6.23	26.793	5.015	0.23	4.49
320	6.13	34.082	6.10	26.814	5.271	0.20	4.51



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### Station 17 FM-6 Temperature, Salinity



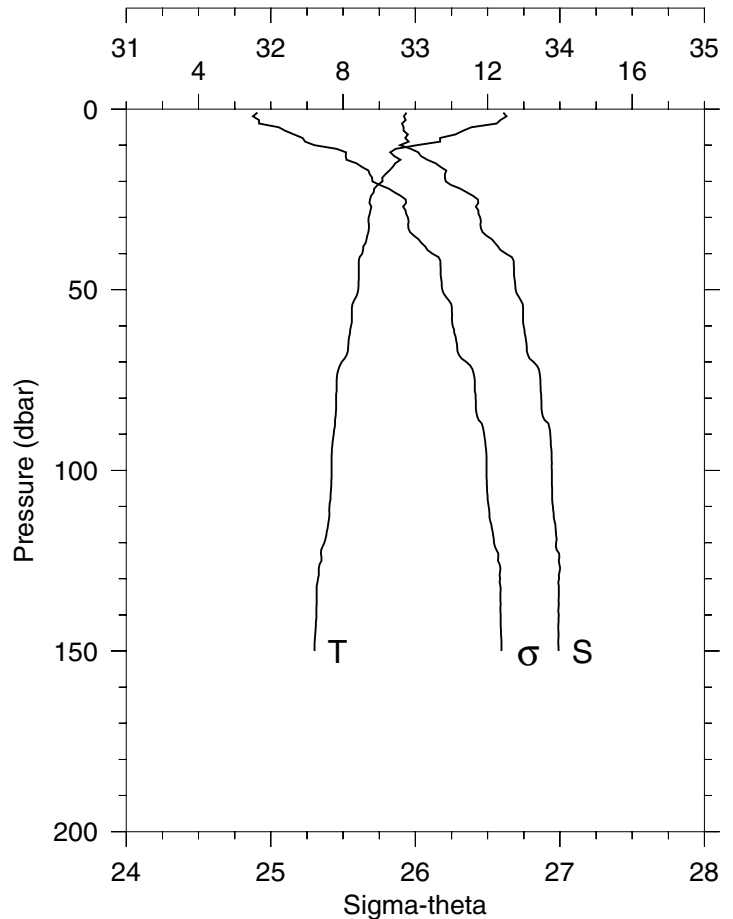
STA: 17 FM-6 LAT: 43 13.1 N LONG: 124 45.0 W  
09 JUL 2000 1456 GMT DEPTH 313

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
2	12.27	32.915	12.27	24.919	0.060	0.92	4.27
10	10.86	32.971	10.86	25.220	0.293	2.25	4.13
20	9.51	33.277	9.51	25.688	0.542	1.12	4.37
30	9.30	33.379	9.30	25.802	0.766	1.20	4.38
40	8.70	33.511	8.70	26.000	0.974	0.34	4.52
50	8.70	33.727	8.69	26.169	1.167	0.58	4.53
60	8.60	33.821	8.59	26.259	1.346	0.29	4.53
70	8.35	33.854	8.35	26.322	1.519	0.31	4.54
80	8.09	33.893	8.08	26.394	1.686	0.29	4.55
90	7.95	33.913	7.95	26.428	1.848	0.24	4.55
100	7.76	33.935	7.75	26.475	2.007	0.27	4.55
110	7.76	33.953	7.75	26.488	2.163	0.24	4.55
120	7.66	33.976	7.65	26.521	2.317	0.27	4.54
130	7.53	33.979	7.52	26.542	2.468	0.27	4.53
140	7.43	33.973	7.42	26.552	2.618	0.24	4.51
150	7.40	33.996	7.39	26.574	2.766	0.26	4.51
175	7.17	34.011	7.15	26.619	3.129	0.32	4.49
200	7.09	34.019	7.07	26.636	3.486	0.24	4.45
225	7.03	34.026	7.01	26.651	3.842	0.29	4.48
250	6.96	34.040	6.94	26.671	4.194	0.76	4.34
275	6.76	34.048	6.74	26.705	4.541	0.38	4.45
300	6.58	34.061	6.55	26.739	4.881	0.42	4.20
307	6.40	34.075	6.37	26.774	4.973	0.36	4.24

STA: 18 FM-5 LAT: 43 13.1 N LONG: 124 40.0 W  
09 JUL 2000 1559 GMT DEPTH 154

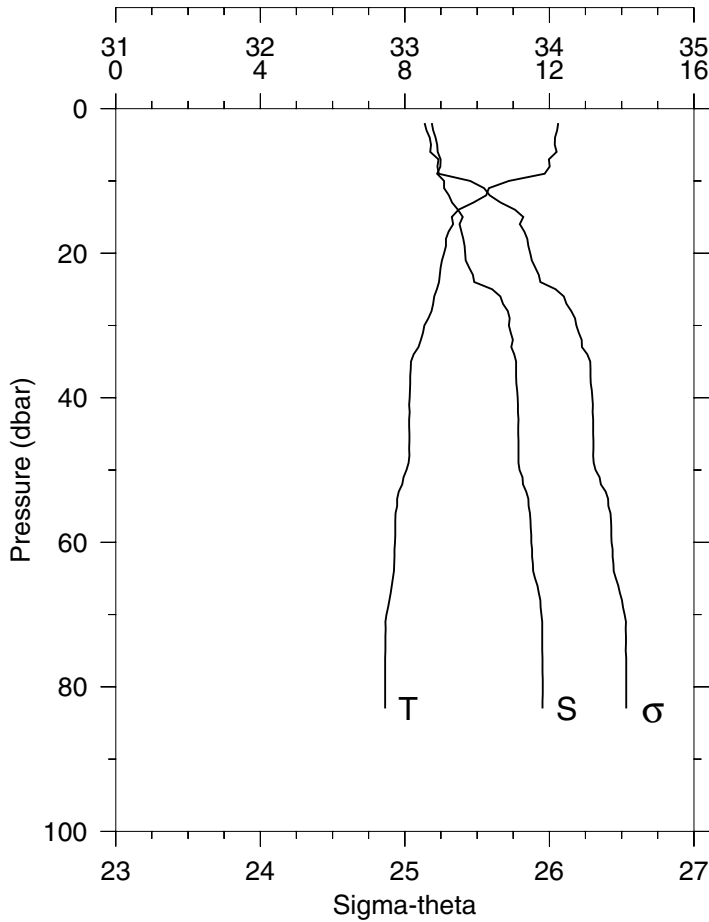
P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
1	12.43	32.939	12.43	24.908	0.030	0.70	4.29
10	10.05	32.895	10.05	25.301	0.290	1.57	4.22
20	9.10	33.211	9.09	25.703	0.530	1.00	4.44
30	8.71	33.448	8.71	25.949	0.742	0.48	4.49
40	8.53	33.627	8.53	26.117	0.941	0.37	4.50
50	8.42	33.694	8.42	26.186	1.126	0.31	4.51
60	8.22	33.749	8.22	26.259	1.304	0.27	4.53
70	7.96	33.818	7.96	26.353	1.477	0.47	4.53
80	7.81	33.871	7.80	26.417	1.640	0.23	4.54
90	7.74	33.933	7.73	26.475	1.799	0.26	4.57
100	7.68	33.944	7.67	26.493	1.954	0.25	4.57
110	7.62	33.952	7.61	26.507	2.109	0.22	4.56
120	7.48	33.974	7.47	26.545	2.260	0.20	4.55
130	7.31	33.995	7.29	26.587	2.408	0.24	4.41
140	7.26	33.992	7.25	26.590	2.554	0.32	4.36
150	7.21	33.990	7.20	26.596	2.700	0.34	4.21

### Station 18 FM-5 Temperature, Salinity



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### Station 19 FM-4 Temperature, Salinity



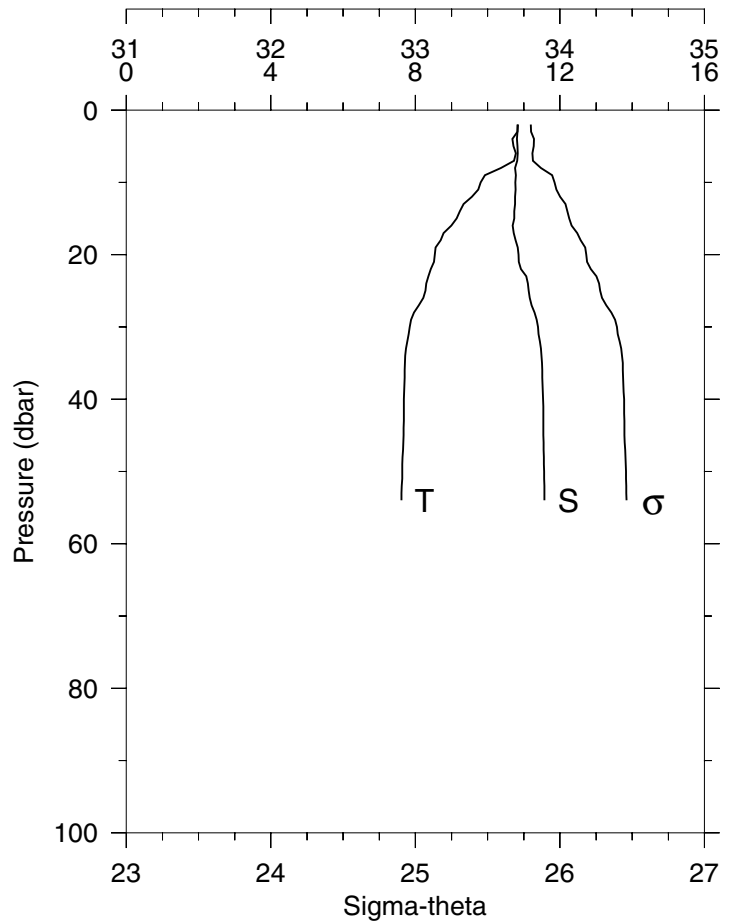
STA: 19 FM-4 LAT: 43 13.1 N LONG: 124 35.0 W  
09 JUL 2000 1812 GMT DEPTH 87

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	12.25	33.187	12.25	25.136	0.056	1.94	3.88
10	10.88	33.272	10.88	25.453	0.276	4.76	3.76
20	9.08	33.418	9.08	25.867	0.502	2.36	4.23
30	8.54	33.719	8.54	26.187	0.699	0.86	4.38
40	8.13	33.781	8.13	26.298	0.875	0.56	4.48
50	8.04	33.793	8.04	26.320	1.047	0.65	4.49
60	7.73	33.875	7.72	26.431	1.209	0.27	4.52
70	7.49	33.944	7.48	26.520	1.366	1.04	4.29
80	7.45	33.954	7.45	26.532	1.516	2.69	4.16
83	7.46	33.953	7.45	26.532	1.562	2.75	4.16

STA: 20 FM-3 LAT: 43 13.1 N LONG: 124 30.0 W  
09 JUL 2000 2012 GMT DEPTH 58

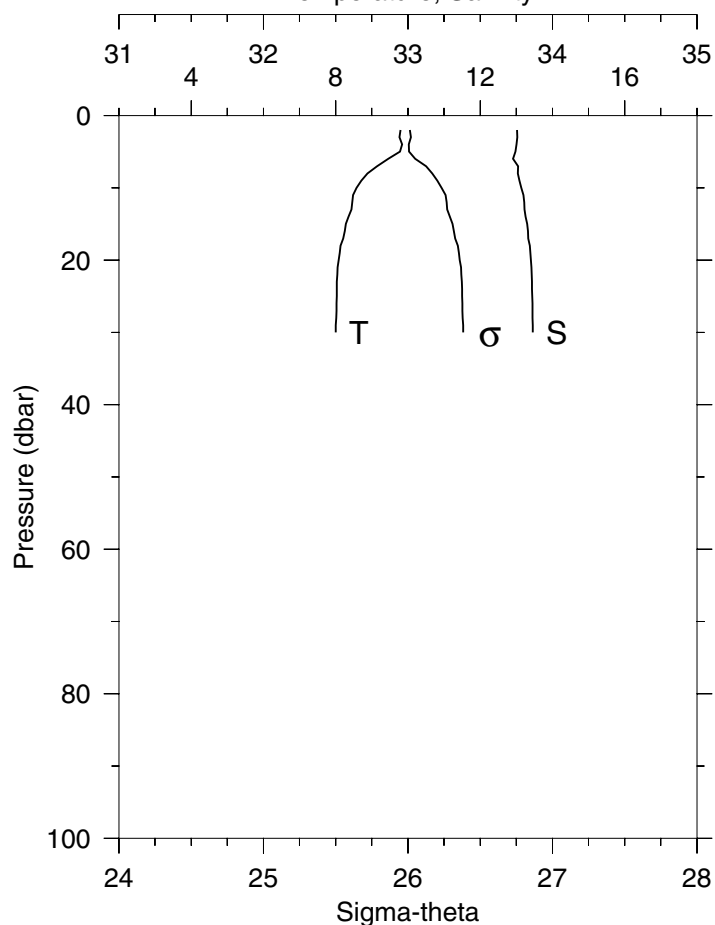
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.84	33.707	10.84	25.798	0.044	4.60	3.50
10	9.81	33.691	9.81	25.963	0.215	5.00	3.67
20	8.54	33.713	8.54	26.183	0.409	1.38	4.28
30	7.84	33.849	7.84	26.394	0.582	0.66	4.43
40	7.68	33.883	7.68	26.444	0.741	0.66	4.45
50	7.64	33.891	7.63	26.457	0.899	1.00	4.40
54	7.62	33.893	7.61	26.461	0.962	5.00	4.24

### Station 20 FM-3 Temperature, Salinity



W0007A

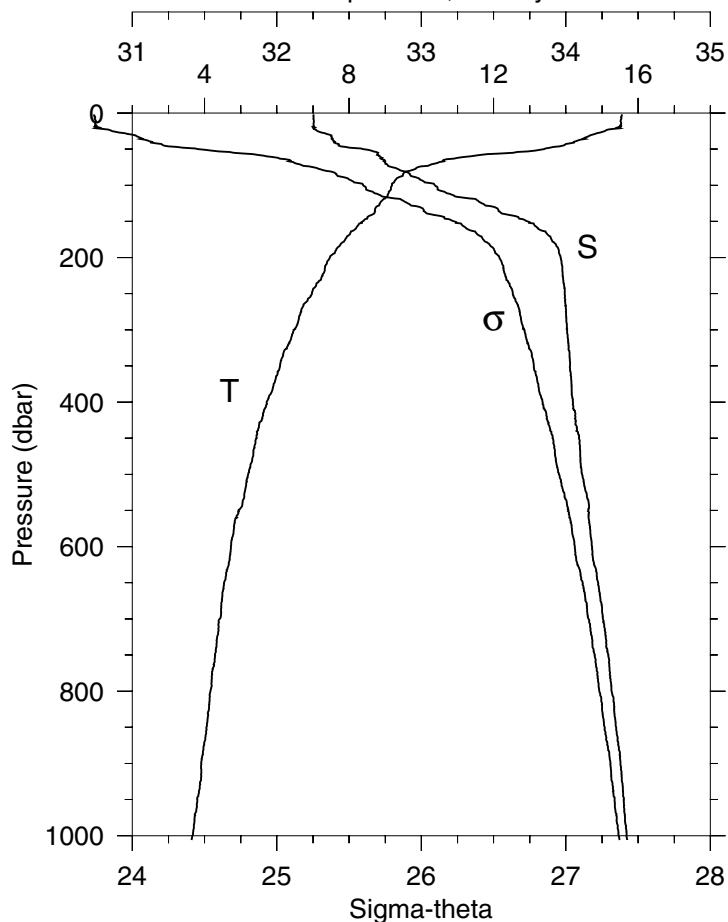
# Station 21 FM-1 Temperature, Salinity



STA: 21 FM-1 LAT: 43 13.1 N LONG: 124 26.0 W  
09 JUL 2000 2142 GMT DEPTH 35

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	9.80	33.754	9.80	26.014	0.040	2.52	3.88
10	8.58	33.785	8.58	26.233	0.193	3.17	4.03
20	8.08	33.850	8.08	26.359	0.364	2.62	4.22
30	8.00	33.864	7.99	26.383	0.529	4.72	3.89

# Station 22 CR-11 Temperature, Salinity



STA: 22 CR-11 LAT: 41 54.0 N LONG: 126 0.2 W  
10 JUL 2000 0650 GMT DEPTH 3321

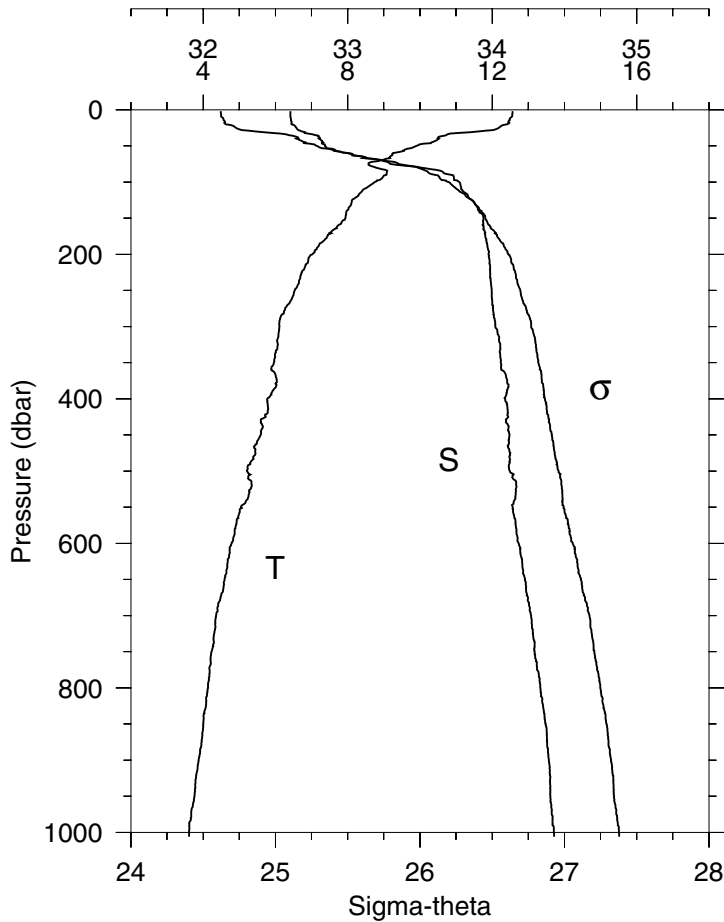
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	15.55	32.254	15.55	23.736	0.083	0.20	4.52
10	15.52	32.256	15.52	23.745	0.415	0.21	4.52
20	15.44	32.263	15.44	23.768	0.830	0.21	4.53
30	14.73	32.364	14.73	23.999	1.233	0.25	4.53
40	14.22	32.402	14.22	24.136	1.618	0.28	4.54
50	13.41	32.594	13.40	24.450	1.985	0.42	4.52
60	11.38	32.710	11.38	24.926	2.308	0.93	4.49
70	10.36	32.751	10.35	25.138	2.599	0.58	4.55
80	9.67	32.867	9.66	25.343	2.872	0.28	4.60
90	9.33	32.978	9.32	25.486	3.129	0.24	4.61
100	9.18	33.093	9.17	25.598	3.375	0.20	4.61
110	9.10	33.168	9.09	25.670	3.612	0.19	4.61
120	8.94	33.381	8.93	25.862	3.838	0.16	4.61
130	8.76	33.503	8.74	25.987	4.048	0.14	4.61
140	8.66	33.580	8.65	26.061	4.249	0.14	4.61
150	8.38	33.734	8.36	26.226	4.436	0.14	4.61
175	7.89	33.900	7.88	26.428	4.862	0.14	4.60
200	7.47	33.964	7.45	26.540	5.252	0.14	4.59
225	7.27	33.980	7.25	26.581	5.626	0.14	4.59
250	6.97	33.993	6.95	26.633	5.990	0.15	4.59
275	6.68	34.000	6.65	26.679	6.343	0.15	4.60
300	6.47	34.009	6.44	26.713	6.689	0.15	4.60
350	6.09	34.029	6.06	26.778	7.356	0.15	4.60
400	5.72	34.049	5.68	26.840	7.996	0.15	4.60
450	5.44	34.090	5.41	26.907	8.607	0.15	4.60
500	5.21	34.112	5.17	26.952	9.194	0.15	4.60
600	4.73	34.181	4.68	27.062	10.292	0.15	4.60
800	4.16	34.318	4.11	27.233	12.240	0.14	4.60
1000	3.67	34.419	3.60	27.365	13.928	0.14	4.60
1006	3.64	34.425	3.57	27.373	13.975	0.14	4.60



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# Station 23 CR-10 Temperature, Salinity

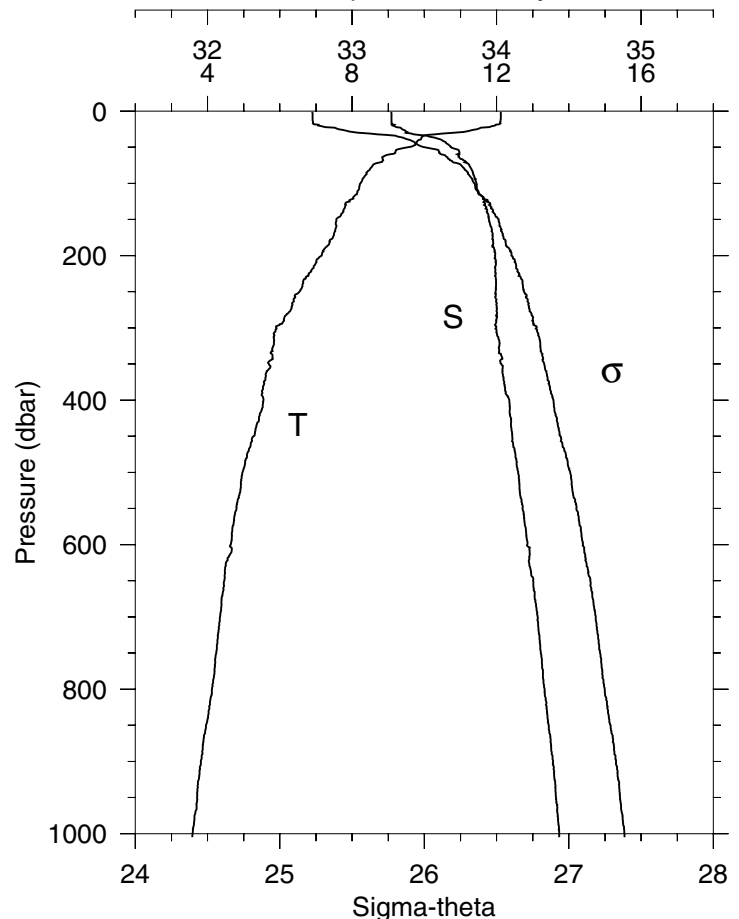
STA: 23 CR-10 LAT: 41 54.0 N LONG: 125 40.0 W  
10 JUL 2000 1044 GMT DEPTH 2933



P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
2	12.57	32.603	12.57	24.621	0.066	0.73	4.41
10	12.53	32.603	12.53	24.628	0.331	0.72	4.41
20	12.41	32.610	12.41	24.656	0.660	0.72	4.40
30	11.62	32.682	11.61	24.861	0.980	0.96	4.41
40	10.53	32.800	10.52	25.146	1.269	0.47	4.57
50	9.90	32.842	9.90	25.284	1.545	0.38	4.59
60	9.26	32.993	9.25	25.507	1.805	0.24	4.60
70	8.90	33.242	8.90	25.758	2.043	0.20	4.61
80	8.78	33.507	8.77	25.985	2.256	0.23	4.59
90	9.07	33.718	9.06	26.105	2.453	0.32	4.55
100	8.74	33.773	8.73	26.199	2.641	0.34	4.55
110	8.44	33.786	8.43	26.256	2.821	0.28	4.57
120	8.27	33.833	8.26	26.320	2.995	0.24	4.58
130	8.10	33.880	8.09	26.382	3.163	0.20	4.58
140	7.97	33.911	7.95	26.426	3.327	0.18	4.57
150	7.93	33.939	7.92	26.453	3.487	0.18	4.57
175	7.44	33.952	7.43	26.534	3.877	0.17	4.60
200	7.02	33.975	7.00	26.611	4.247	0.17	4.60
225	6.73	33.985	6.71	26.659	4.603	0.16	4.60
250	6.53	33.997	6.51	26.694	4.951	0.17	4.60
275	6.27	34.005	6.24	26.735	5.291	0.17	4.60
300	6.11	34.022	6.08	26.770	5.621	0.16	4.59
350	5.96	34.060	5.93	26.819	6.263	0.17	4.59
400	5.77	34.089	5.74	26.866	6.886	0.16	4.59
450	5.60	34.121	5.56	26.913	7.491	0.15	4.59
500	5.21	34.122	5.17	26.960	8.076	0.16	4.60
600	4.79	34.183	4.74	27.057	9.186	0.16	4.60
800	4.13	34.332	4.07	27.248	11.120	0.15	4.60
1000	3.61	34.427	3.54	27.377	12.778	0.14	4.60
1006	3.61	34.430	3.54	27.379	12.824	0.14	4.60

# Station 24 CR-9 Temperature, Salinity

STA: 24 CR-9 LAT: 41 54.1 N LONG: 125 20.0 W  
10 JUL 2000 1319 GMT DEPTH 3098

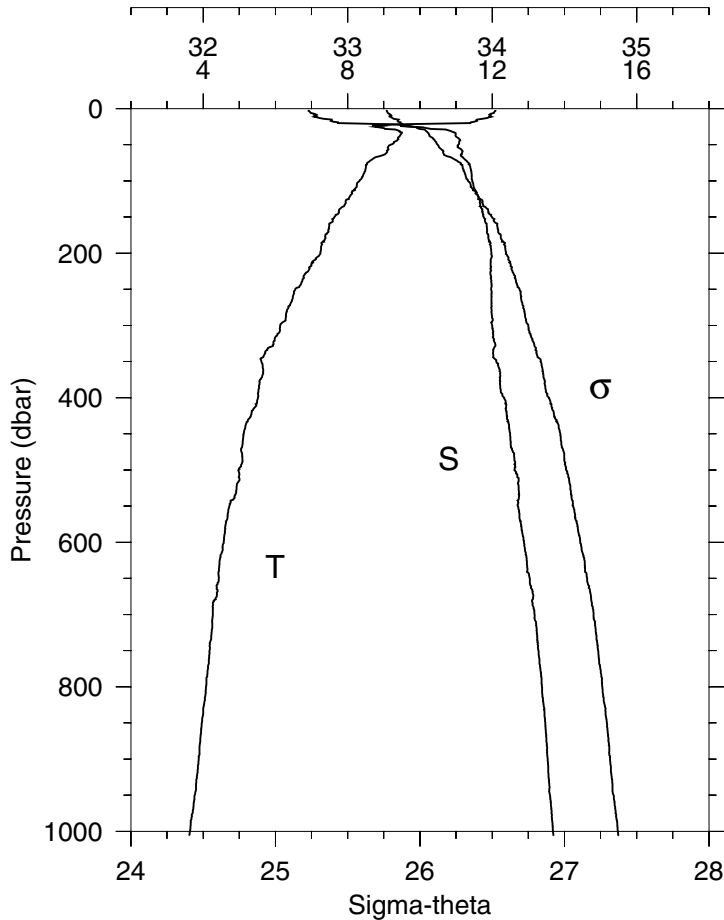


P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
1	12.11	33.272	12.11	25.226	0.027	2.72	4.15
10	12.12	33.272	12.11	25.226	0.273	2.75	4.15
20	11.95	33.283	11.95	25.265	0.546	2.48	4.15
30	10.82	33.373	10.81	25.542	0.803	2.78	4.19
40	9.85	33.620	9.85	25.900	1.024	1.15	4.38
50	9.56	33.683	9.56	25.998	1.230	0.99	4.43
60	9.04	33.728	9.03	26.117	1.423	0.67	4.50
70	8.83	33.787	8.82	26.196	1.608	0.35	4.54
80	8.50	33.826	8.49	26.279	1.786	0.28	4.56
90	8.35	33.844	8.34	26.316	1.959	0.25	4.57
100	8.23	33.859	8.22	26.346	2.129	0.24	4.57
110	8.16	33.870	8.15	26.364	2.297	0.20	4.57
120	8.03	33.905	8.02	26.411	2.462	0.21	4.58
130	7.83	33.914	7.81	26.449	2.622	0.19	4.57
140	7.75	33.935	7.73	26.477	2.780	0.19	4.58
150	7.57	33.949	7.55	26.514	2.935	0.17	4.59
175	7.47	33.973	7.45	26.547	3.316	0.18	4.56
200	7.16	33.989	7.14	26.604	3.686	0.17	4.59
225	6.81	33.993	6.78	26.655	4.043	0.17	4.59
250	6.55	33.993	6.53	26.689	4.391	0.17	4.59
275	6.30	34.002	6.28	26.729	4.730	0.17	4.59
300	5.91	33.996	5.89	26.774	5.062	0.16	4.59
350	5.69	34.033	5.66	26.830	5.700	0.16	4.60
400	5.55	34.088	5.51	26.892	6.315	0.15	4.60
450	5.27	34.109	5.24	26.942	6.906	0.15	4.60
500	4.96	34.150	4.93	27.010	7.469	0.15	4.60
600	4.64	34.212	4.59	27.097	8.527	0.15	4.60
800	4.12	34.332	4.06	27.249	10.424	0.15	4.60
1000	3.59	34.433	3.52	27.384	12.074	0.14	4.61
1005	3.58	34.435	3.51	27.387	12.112	0.14	4.60

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### Station 25 CR-8 Temperature, Salinity

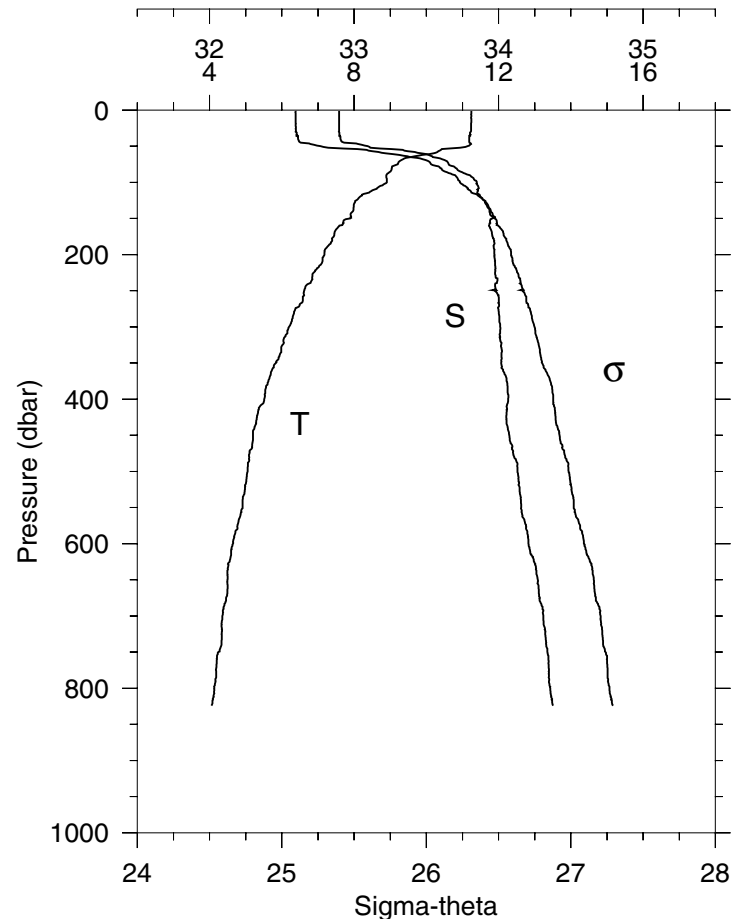
STA: 25 CR-8 LAT: 41 54.0 N LONG: 125 11.9 W  
10 JUL 2000 1516 GMT DEPTH 2713



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	12.09	33.271	12.09	25.230	0.055	1.78	4.15
10	11.93	33.300	11.93	25.283	0.271	3.09	4.16
20	11.40	33.366	11.40	25.432	0.533	2.90	4.22
30	9.38	33.696	9.38	26.037	0.743	0.56	4.52
40	9.40	33.759	9.39	26.084	0.937	0.39	4.53
50	9.19	33.765	9.19	26.122	1.128	0.42	4.52
60	9.10	33.793	9.09	26.159	1.315	0.38	4.51
70	8.68	33.810	8.67	26.238	1.498	0.34	4.54
80	8.50	33.847	8.49	26.295	1.673	0.31	4.54
90	8.44	33.857	8.44	26.311	1.846	0.33	4.54
100	8.32	33.861	8.31	26.333	2.017	0.28	4.55
110	8.22	33.875	8.20	26.360	2.186	0.26	4.55
120	8.07	33.900	8.06	26.401	2.351	0.24	4.56
130	7.95	33.914	7.93	26.431	2.514	0.22	4.57
140	7.76	33.931	7.75	26.471	2.673	0.18	4.56
150	7.63	33.942	7.62	26.499	2.830	0.17	4.57
175	7.38	33.973	7.36	26.559	3.210	0.20	4.58
200	7.25	33.994	7.23	26.595	3.579	0.18	4.56
225	6.90	33.990	6.88	26.640	3.940	0.17	4.58
250	6.55	33.992	6.53	26.689	4.291	0.18	4.59
275	6.36	33.993	6.34	26.715	4.633	0.17	4.59
300	6.13	34.000	6.11	26.749	4.969	0.16	4.59
350	5.61	34.027	5.58	26.835	5.616	0.15	4.60
400	5.51	34.084	5.48	26.893	6.230	0.15	4.60
450	5.12	34.123	5.08	26.971	6.812	0.15	4.61
500	4.97	34.153	4.93	27.012	7.368	0.15	4.60
600	4.57	34.219	4.53	27.109	8.417	0.15	4.60
800	4.08	34.343	4.02	27.262	10.283	0.15	4.60
1000	3.63	34.421	3.56	27.370	11.945	0.14	4.60
1006	3.61	34.426	3.53	27.376	11.992	0.14	4.61

### Station 26 CR-7 Temperature, Salinity

STA: 26 CR-7 LAT: 41 54.0 N LONG: 125 0.1 W  
10 JUL 2000 1738 GMT DEPTH 837



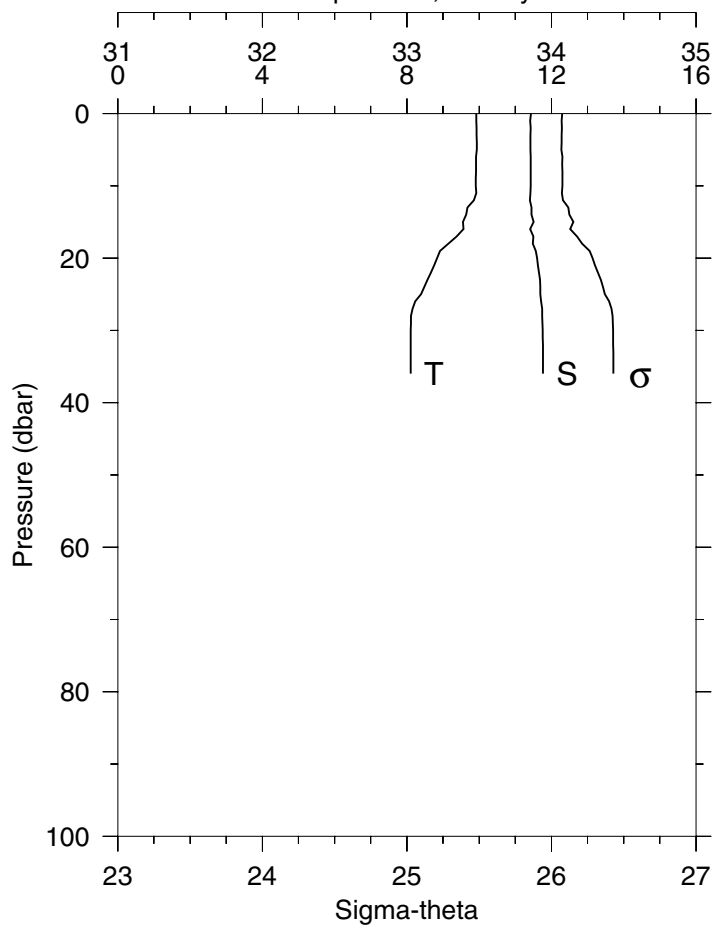
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.25	32.896	11.25	25.093	0.029	0.72	4.29
10	11.24	32.897	11.24	25.096	0.286	0.88	4.32
20	11.24	32.897	11.24	25.096	0.572	1.51	4.32
30	11.23	32.895	11.23	25.096	0.858	1.50	4.32
40	11.19	32.905	11.18	25.113	1.143	1.54	4.33
50	11.14	33.093	11.14	25.267	1.424	1.17	4.41
60	10.20	33.464	10.19	25.720	1.670	1.01	4.43
70	9.28	33.637	9.27	26.009	1.881	0.79	4.47
80	9.05	33.702	9.04	26.095	2.078	0.29	4.53
90	8.89	33.801	8.88	26.199	2.266	0.24	4.55
100	8.91	33.848	8.90	26.233	2.447	0.20	4.56
110	8.56	33.853	8.55	26.291	2.624	0.18	4.57
120	8.16	33.876	8.15	26.368	2.795	0.17	4.58
130	8.00	33.912	7.99	26.422	2.959	0.16	4.59
140	7.97	33.938	7.96	26.447	3.119	0.16	4.58
150	7.89	33.958	7.88	26.473	3.278	0.17	4.58
175	7.44	33.958	7.42	26.540	3.663	0.16	4.60
200	7.18	33.972	7.16	26.587	4.035	0.15	4.60
225	6.88	33.975	6.85	26.631	4.399	0.15	4.60
250	6.62	33.985	6.60	26.674	4.753	0.15	4.60
275	6.37	33.998	6.35	26.717	5.097	0.15	4.60
300	6.20	34.010	6.17	26.749	5.433	0.15	4.60
350	5.83	34.018	5.80	26.801	6.086	0.15	4.60
400	5.51	34.067	5.48	26.879	6.704	0.15	4.60
450	5.20	34.074	5.16	26.922	7.303	0.15	4.61
500	5.05	34.131	5.01	26.985	7.876	0.15	4.60
600	4.64	34.206	4.60	27.091	8.955	0.15	4.60
800	4.13	34.357	4.07	27.268	10.824	0.15	4.58
824	4.05	34.379	3.99	27.293	11.032	0.16	4.56

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### Station 27 CR-1 Temperature, Salinity

STA: 27 CR-1 LAT: 41 54.0 N LONG: 124 18.0 W  
10 JUL 2000 2303 GMT DEPTH 41

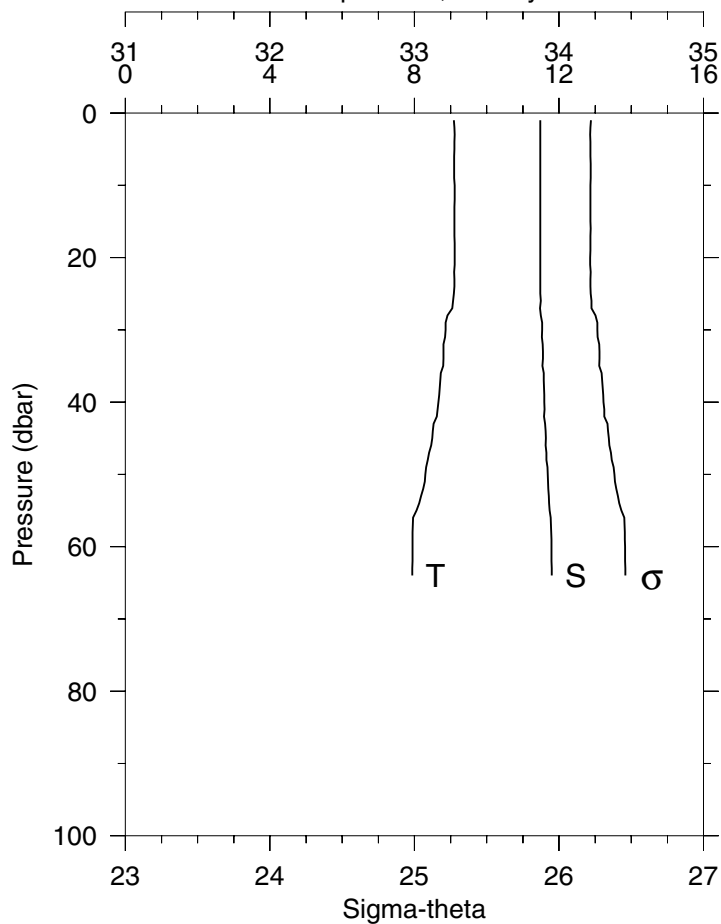
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
0	9.92	33.858	9.92	26.074	0.000	5.00	3.11
10	9.91	33.857	9.91	26.076	0.193	5.00	3.06
20	8.83	33.901	8.83	26.284	0.379	4.78	3.84
30	8.11	33.939	8.10	26.426	0.544	0.65	4.30
36	8.10	33.942	8.10	26.429	0.639	0.85	4.29



### Station 28 CR-2 Temperature, Salinity

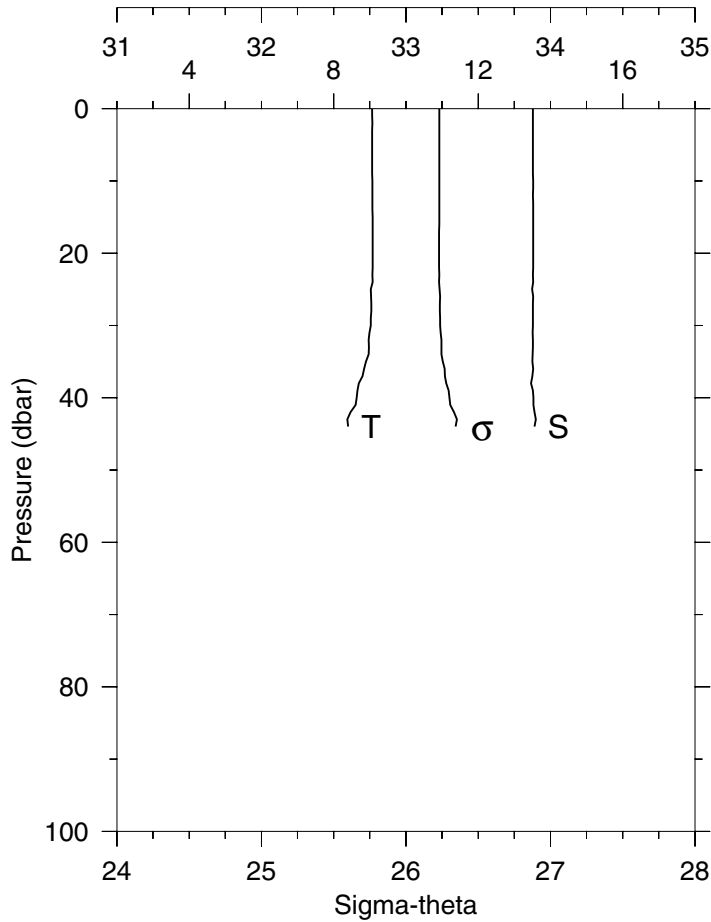
STA: 28 CR-2 LAT: 41 54.0 N LONG: 124 23.9 W  
11 JUL 2000 0010 GMT DEPTH 69

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	9.09	33.871	9.09	26.221	0.018	3.95	4.03
10	9.11	33.871	9.11	26.217	0.179	3.84	4.03
20	9.12	33.871	9.11	26.216	0.358	3.15	4.02
30	8.87	33.884	8.86	26.266	0.537	3.44	4.05
40	8.66	33.898	8.66	26.308	0.710	2.92	4.10
50	8.30	33.923	8.30	26.384	0.878	1.54	4.22
60	7.95	33.948	7.94	26.457	1.038	0.27	4.25
64	7.94	33.950	7.94	26.459	1.101	0.24	4.24



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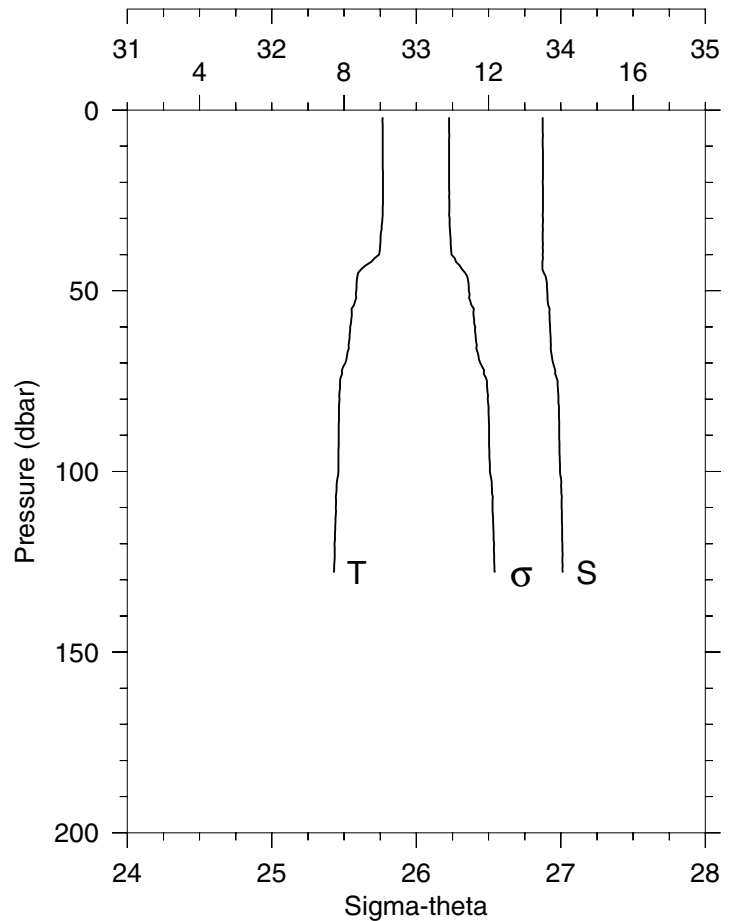
### Station 29 CR-3 Temperature, Salinity



STA: 29 CR-3 LAT: 41 54.1 N LONG: 124 30.0 W  
11 JUL 2000 0153 GMT DEPTH 136

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
0	9.06	33.879	9.06	26.231	0.000	4.70	3.76
10	9.07	33.880	9.07	26.230	0.178	5.00	3.83
20	9.08	33.880	9.08	26.229	0.356	5.00	3.83
30	9.03	33.878	9.02	26.236	0.534	5.00	3.89
40	8.64	33.882	8.63	26.301	0.710	2.36	4.26
42	8.43	33.884	8.43	26.334	0.744	0.71	4.47

### Station 30 CR-3 Temperature, Salinity

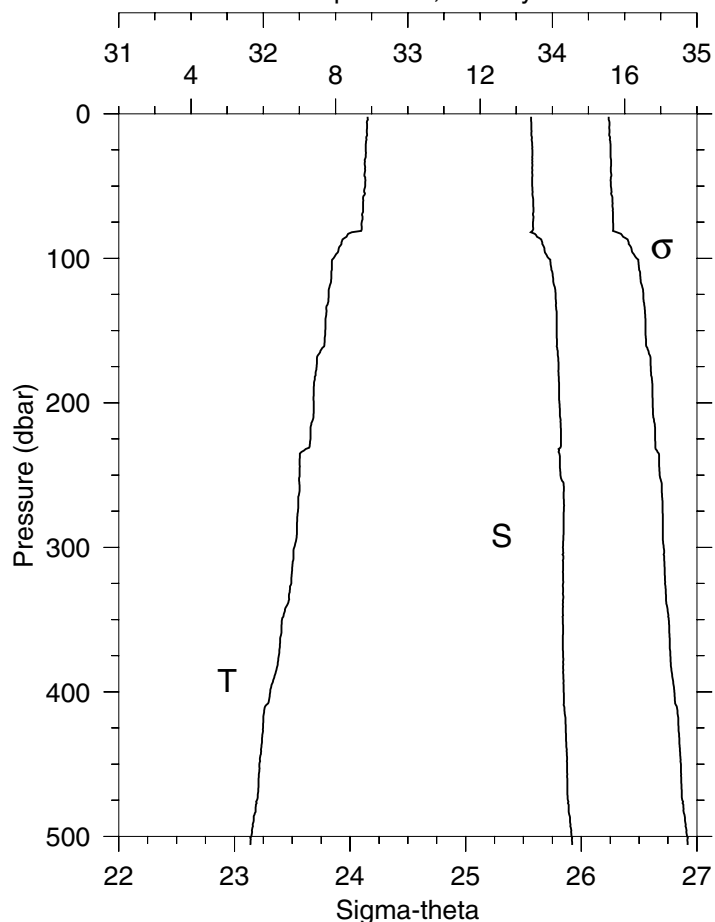


STA: 30 CR-3 LAT: 41 54.0 N LONG: 124 30.1 W  
11 JUL 2000 0606 GMT DEPTH 138

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.07	33.875	9.07	26.227	0.036	4.71	3.90
10	9.07	33.875	9.07	26.227	0.178	4.71	3.89
20	9.07	33.875	9.07	26.226	0.357	5.00	3.89
30	9.06	33.877	9.06	26.230	0.535	5.00	3.91
40	8.96	33.875	8.96	26.244	0.713	4.74	3.97
50	8.34	33.905	8.33	26.364	0.883	0.40	4.49
60	8.17	33.926	8.16	26.407	1.047	0.27	4.48
70	8.03	33.946	8.03	26.443	1.208	0.27	4.41
80	7.87	33.983	7.86	26.495	1.364	0.20	4.39
90	7.85	33.989	7.84	26.503	1.517	0.19	4.40
100	7.84	33.995	7.83	26.509	1.671	0.20	4.43
110	7.77	34.006	7.76	26.528	1.822	0.19	4.43
120	7.74	34.011	7.72	26.538	1.974	0.18	4.39
128	7.72	34.013	7.71	26.542	2.094	0.18	4.37

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### Station 31 CR-4 Temperature, Salinity



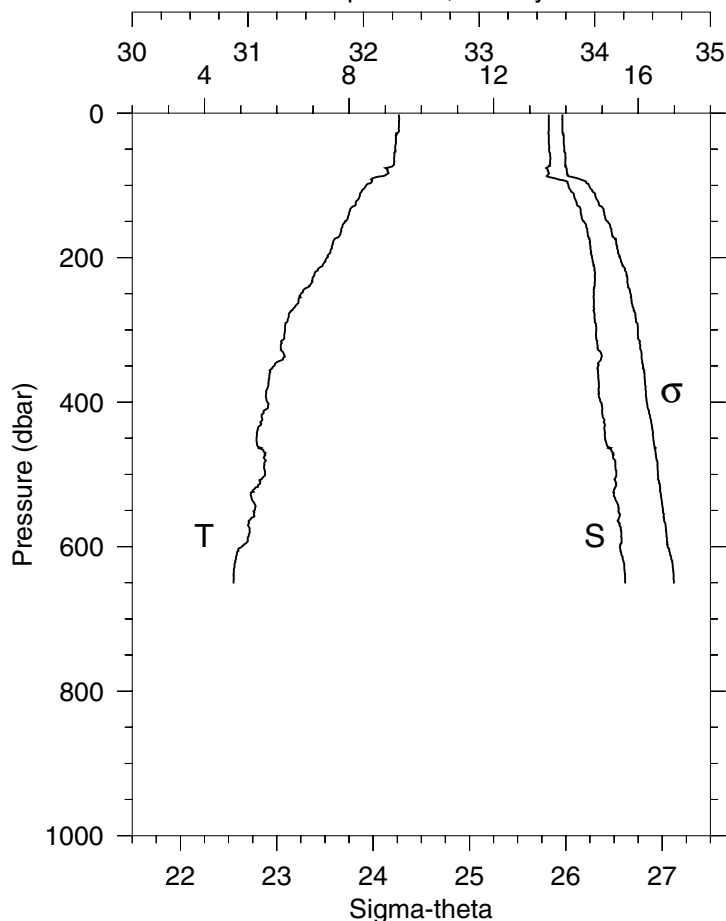
STA: 31 CR-4 LAT: 41 54.0 N LONG: 124 36.1 W  
11 JUL 2000 0706 GMT DEPTH 510

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
2	8.89	33.853	8.89	26.238	0.035	2.56	4.15
10	8.87	33.854	8.87	26.242	0.177	2.77	4.16
20	8.84	33.860	8.84	26.251	0.354	2.55	4.16
30	8.83	33.860	8.83	26.253	0.530	3.06	4.16
40	8.81	33.860	8.81	26.256	0.706	2.47	4.18
50	8.82	33.860	8.81	26.255	0.882	3.11	4.18
60	8.77	33.867	8.76	26.269	1.058	2.85	4.20
70	8.73	33.866	8.72	26.274	1.233	2.85	4.23
80	8.73	33.867	8.72	26.276	1.408	2.53	4.24
90	8.16	33.930	8.15	26.411	1.575	0.22	4.50
100	7.94	33.975	7.93	26.479	1.735	0.19	4.49
110	7.88	34.001	7.87	26.508	1.889	0.18	4.46
120	7.83	34.016	7.82	26.528	2.042	0.18	4.47
130	7.80	34.024	7.79	26.538	2.193	0.24	4.46
140	7.73	34.030	7.72	26.553	2.343	0.18	4.47
150	7.71	34.029	7.70	26.556	2.493	0.17	4.47
175	7.47	34.042	7.46	26.601	2.862	0.17	4.50
200	7.39	34.049	7.37	26.618	3.224	0.18	4.51
225	7.30	34.059	7.28	26.638	3.583	0.17	4.50
250	7.01	34.055	6.98	26.677	3.935	0.16	4.56
275	6.96	34.080	6.93	26.703	4.279	0.17	4.52
300	6.86	34.072	6.83	26.711	4.622	0.17	4.52
350	6.52	34.072	6.49	26.757	5.300	0.16	4.52
400	6.19	34.078	6.15	26.805	5.958	0.17	4.55
450	5.89	34.101	5.86	26.861	6.588	0.16	4.51
500	5.67	34.133	5.63	26.914	7.200	0.16	4.47
506	5.64	34.137	5.60	26.920	7.272	0.16	4.46

STA: 32 CR-5 LAT: 41 54.0 N LONG: 124 42.0 W  
11 JUL 2000 0841 GMT DEPTH 657

P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.38	33.602	9.38	25.963	0.041	1.10	4.43
10	9.38	33.603	9.38	25.963	0.203	1.05	4.42
20	9.38	33.602	9.37	25.964	0.407	1.00	4.42
30	9.32	33.599	9.32	25.970	0.610	1.11	4.42
40	9.30	33.603	9.29	25.978	0.813	1.29	4.43
50	9.28	33.605	9.27	25.983	1.015	1.40	4.44
60	9.25	33.614	9.24	25.994	1.217	1.05	4.43
70	9.25	33.614	9.24	25.995	1.418	1.31	4.43
80	9.06	33.594	9.06	26.008	1.619	0.75	4.49
90	8.66	33.650	8.65	26.115	1.818	0.29	4.57
100	8.48	33.772	8.47	26.240	2.001	0.31	4.56
110	8.32	33.809	8.31	26.293	2.178	0.25	4.57
120	8.24	33.832	8.23	26.323	2.350	0.20	4.57
130	8.08	33.869	8.07	26.375	2.520	0.19	4.58
140	8.00	33.881	7.98	26.397	2.685	0.18	4.59
150	7.88	33.907	7.87	26.435	2.848	0.17	4.58
175	7.59	33.952	7.58	26.513	3.242	0.18	4.59
200	7.39	33.975	7.37	26.560	3.622	0.17	4.58
225	7.02	34.002	7.00	26.633	3.988	0.16	4.58
250	6.67	33.991	6.65	26.672	4.343	0.16	4.60
275	6.38	33.993	6.36	26.711	4.689	0.16	4.61
300	6.23	34.013	6.20	26.747	5.025	0.15	4.60
350	5.92	34.030	5.89	26.800	5.679	0.15	4.60
400	5.74	34.051	5.71	26.839	6.312	0.15	4.60
450	5.44	34.090	5.40	26.907	6.921	0.15	4.61
500	5.67	34.185	5.63	26.955	7.507	0.16	4.60
600	5.03	34.219	4.99	27.058	8.615	0.15	4.60
651	4.80	34.263	4.75	27.120	9.137	0.16	4.51

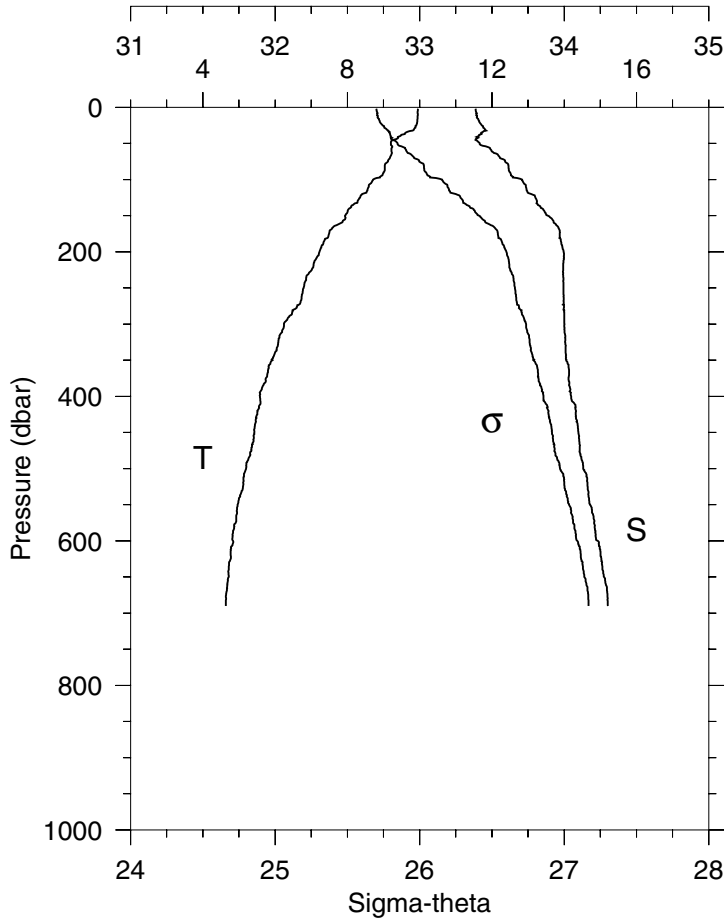
### Station 32 CR-5 Temperature, Salinity



W0007A

### Station 33 CR-6 Temperature, Salinity

STA: 33 CR-6 LAT: 41 54.1 N LONG: 124 48.0 W  
11 JUL 2000 1015 GMT DEPTH 697

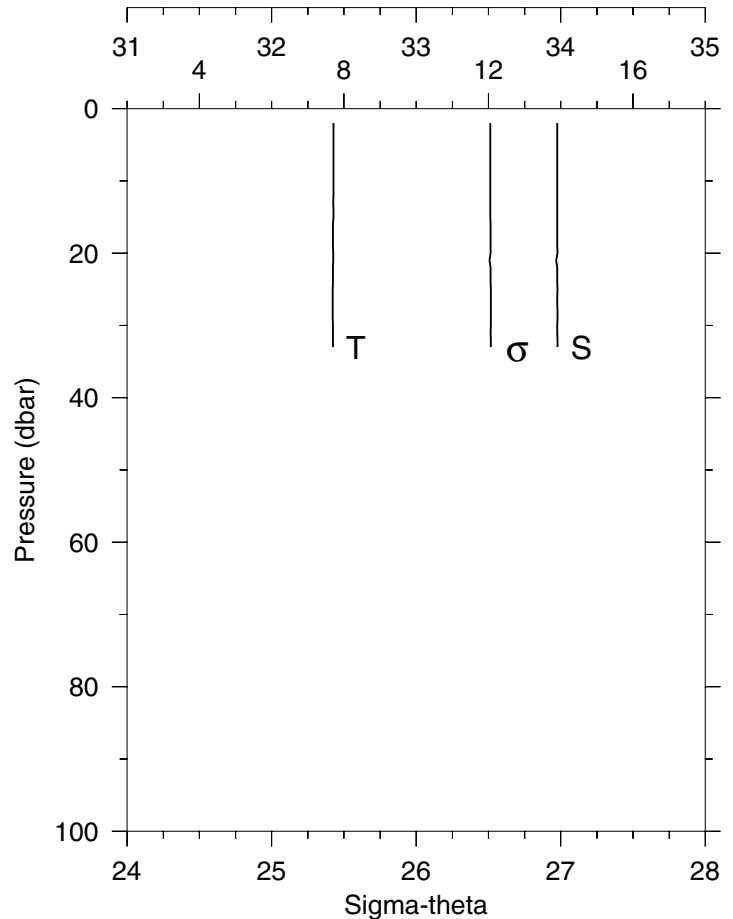


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.95	33.386	9.95	25.700	0.046	1.18	4.41
10	9.95	33.393	9.95	25.707	0.228	1.13	4.41
20	9.93	33.411	9.93	25.724	0.455	1.23	4.39
30	9.85	33.451	9.84	25.770	0.680	1.12	4.40
40	9.45	33.406	9.45	25.799	0.900	0.63	4.52
50	9.20	33.415	9.19	25.847	1.118	0.20	4.59
60	9.22	33.496	9.21	25.907	1.330	0.20	4.59
70	9.18	33.555	9.17	25.961	1.537	0.18	4.59
80	9.04	33.613	9.03	26.028	1.738	0.18	4.59
90	9.00	33.626	8.99	26.044	1.937	0.18	4.59
100	8.71	33.709	8.70	26.155	2.131	0.19	4.59
110	8.59	33.734	8.58	26.193	2.316	0.17	4.59
120	8.41	33.771	8.40	26.250	2.498	0.19	4.59
130	8.28	33.812	8.27	26.300	2.673	0.16	4.59
140	8.05	33.848	8.03	26.365	2.844	0.16	4.60
150	7.93	33.885	7.92	26.410	3.010	0.16	4.59
175	7.49	33.969	7.47	26.540	3.401	0.16	4.60
200	7.23	33.996	7.21	26.599	3.773	0.17	4.58
225	7.01	33.992	6.99	26.626	4.135	0.17	4.60
250	6.79	33.994	6.76	26.658	4.490	0.16	4.60
275	6.61	33.998	6.59	26.686	4.841	0.16	4.61
300	6.25	34.002	6.22	26.736	5.181	0.16	4.61
350	5.92	34.014	5.89	26.787	5.841	0.16	4.60
400	5.58	34.048	5.54	26.857	6.472	0.16	4.60
450	5.42	34.098	5.39	26.915	7.075	0.16	4.61
500	5.19	34.132	5.15	26.970	7.657	0.15	4.61
600	4.83	34.232	4.79	27.091	8.736	0.15	4.60
690	4.63	34.302	4.58	27.169	9.626	0.16	4.52

STA: 34 RR-1 LAT: 42 30.0 N LONG: 124 30.0 W  
11 JUL 2000 1625 GMT DEPTH 38

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	7.71	33.976	7.71	26.512	0.030	0.51	4.34
10	7.71	33.976	7.71	26.512	0.151	1.03	4.34
20	7.70	33.977	7.70	26.514	0.302	0.57	4.31
30	7.69	33.976	7.69	26.516	0.454	1.21	4.22
33	7.69	33.977	7.69	26.516	0.499	0.80	4.27

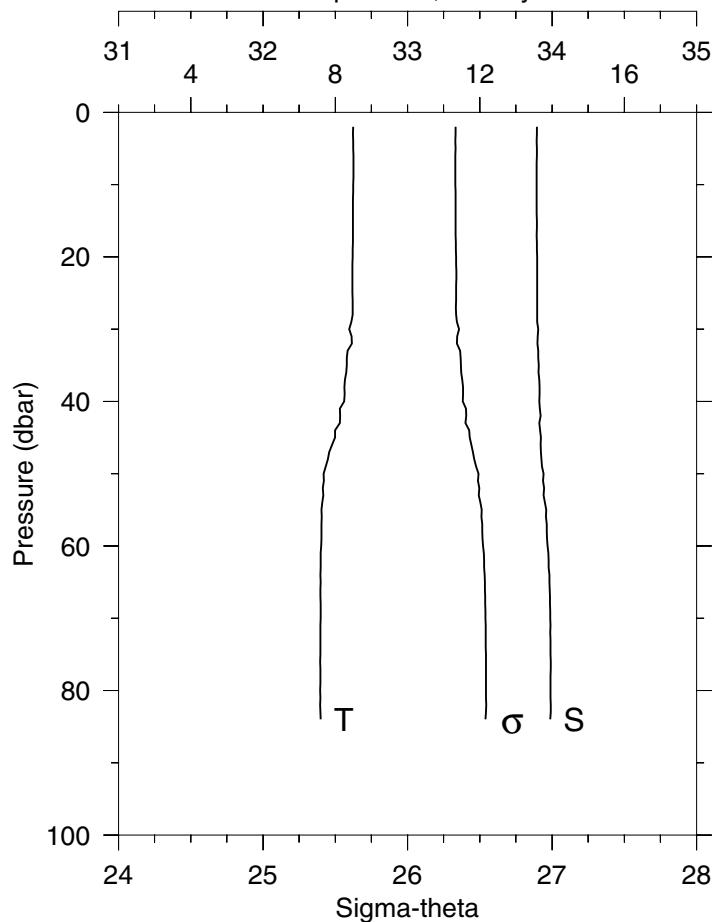
### Station 34 RR-1 Temperature, Salinity



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### Station 35 RR-2 Temperature, Salinity

STA: 35 RR-2 LAT: 42 30.0 N LONG: 124 36.0 W  
11 JUL 2000 1743 GMT DEPTH 88

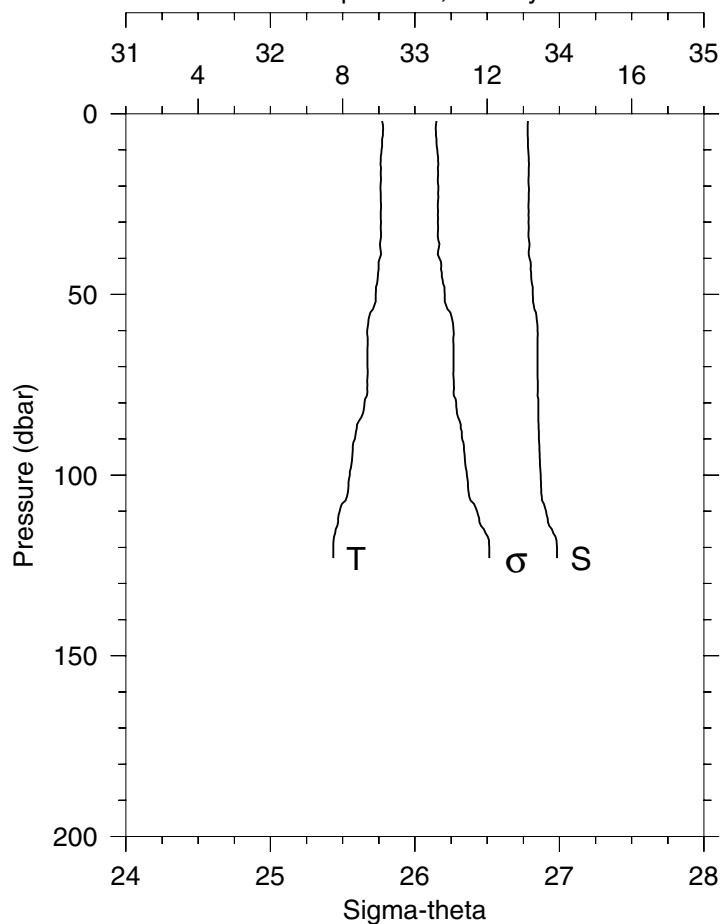


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	8.49	33.895	8.49	26.332	0.034	0.66	4.34
10	8.50	33.894	8.49	26.331	0.168	1.06	4.33
20	8.48	33.896	8.48	26.336	0.337	1.06	4.34
30	8.38	33.904	8.38	26.356	0.505	1.63	4.36
40	8.25	33.912	8.24	26.383	0.670	0.85	4.42
50	7.68	33.942	7.67	26.491	0.830	0.21	4.54
60	7.61	33.969	7.61	26.522	0.982	0.31	4.42
70	7.59	33.987	7.59	26.539	1.132	1.09	4.26
80	7.58	33.990	7.57	26.543	1.282	0.86	4.22
84	7.59	33.987	7.58	26.539	1.342	0.72	4.20

STA: 36 RR-3 LAT: 42 30.0 N LONG: 124 42.0 W  
11 JUL 2000 2015 GMT DEPTH 132

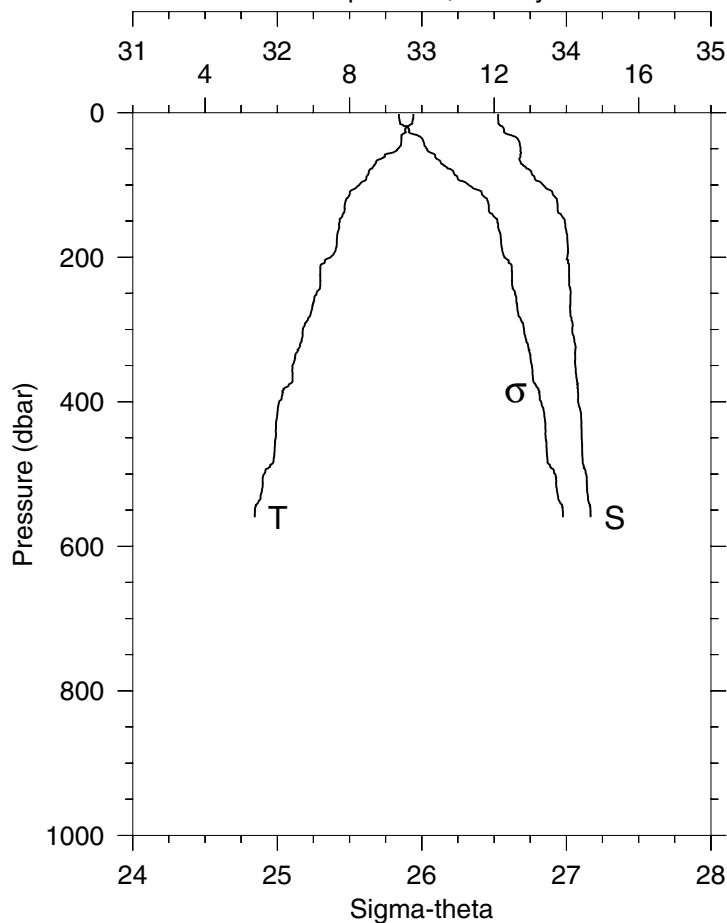
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
2	9.09	33.782	9.09	26.150	0.037	2.51	4.17
10	9.08	33.784	9.08	26.154	0.186	2.85	4.21
20	9.05	33.788	9.04	26.163	0.371	2.43	4.21
30	9.06	33.786	9.06	26.159	0.555	3.05	4.22
40	9.03	33.793	9.02	26.169	0.740	2.32	4.22
50	8.91	33.816	8.91	26.206	0.923	2.66	4.24
60	8.68	33.848	8.68	26.267	1.101	1.66	4.33
70	8.69	33.849	8.68	26.267	1.277	1.80	4.34
80	8.61	33.855	8.60	26.285	1.452	1.43	4.38
90	8.34	33.857	8.33	26.327	1.624	0.79	4.47
100	8.19	33.870	8.19	26.359	1.793	0.41	4.51
110	7.92	33.907	7.91	26.429	1.958	0.29	4.54
120	7.74	33.983	7.73	26.515	2.115	0.29	4.36
123	7.74	33.983	7.73	26.515	2.161	0.22	4.36

### Station 36 RR-3 Temperature, Salinity



W0007A

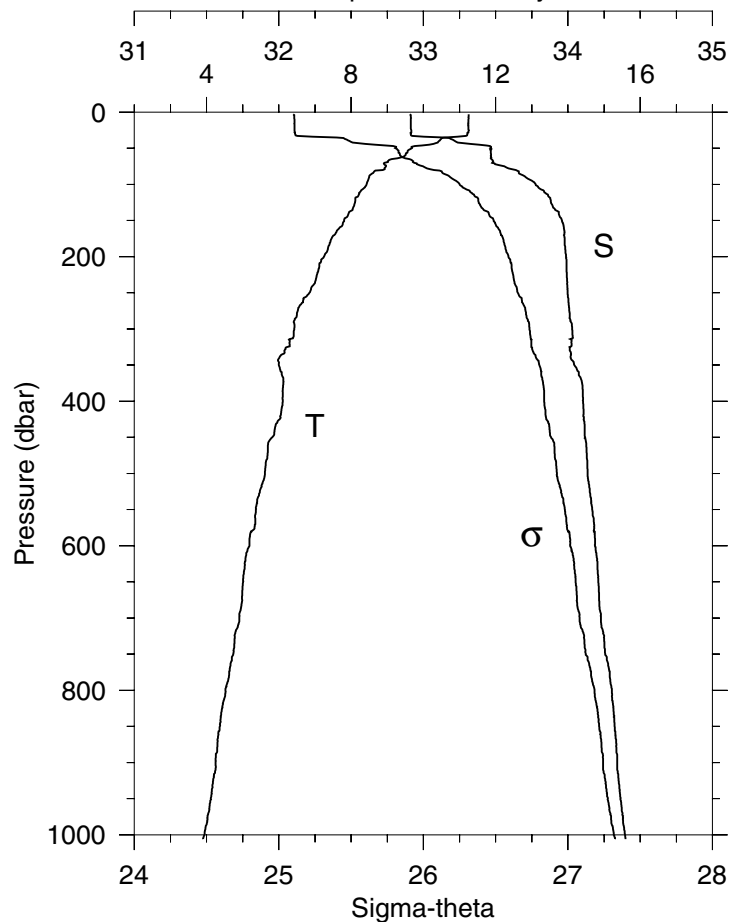
### Station 37 RR-4 Temperature, Salinity



STA: 37 RR-4 LAT: 42 30.0 N LONG: 124 48.0 W  
12 JUL 2000 0225 GMT DEPTH 578

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	9.77	33.528	9.77	25.841	0.043	0.56	4.47
10	9.75	33.528	9.75	25.845	0.215	0.56	4.50
20	9.57	33.560	9.57	25.899	0.428	0.44	4.52
30	9.46	33.595	9.46	25.944	0.636	0.35	4.55
40	9.44	33.674	9.43	26.011	0.838	0.29	4.56
50	9.33	33.683	9.33	26.035	1.036	0.30	4.56
60	8.97	33.682	8.96	26.092	1.231	0.31	4.57
70	8.73	33.685	8.72	26.133	1.421	0.28	4.57
80	8.54	33.752	8.53	26.214	1.606	0.24	4.56
90	8.47	33.780	8.46	26.248	1.786	0.22	4.57
100	8.27	33.839	8.26	26.324	1.960	0.20	4.57
110	8.01	33.903	8.00	26.413	2.127	0.18	4.56
120	7.91	33.934	7.89	26.453	2.288	0.17	4.55
130	7.86	33.940	7.85	26.464	2.447	0.17	4.57
140	7.81	33.959	7.80	26.486	2.604	0.17	4.55
150	7.73	33.990	7.71	26.523	2.758	0.19	4.44
175	7.65	34.006	7.63	26.547	3.138	0.19	4.44
200	7.48	34.005	7.46	26.571	3.513	0.17	4.50
225	7.18	34.019	7.16	26.624	3.876	0.17	4.54
250	7.09	34.029	7.06	26.646	4.236	0.17	4.51
275	6.94	34.027	6.91	26.664	4.590	0.17	4.54
300	6.71	34.041	6.68	26.707	4.937	0.17	4.54
350	6.42	34.062	6.39	26.762	5.611	0.17	4.52
400	6.05	34.082	6.01	26.825	6.263	0.16	4.51
450	5.96	34.105	5.92	26.856	6.888	0.17	4.49
500	5.63	34.137	5.59	26.922	7.504	0.17	4.48
560	5.38	34.167	5.33	26.977	8.202	0.18	4.43

### Station 38 RR-5 Temperature, Salinity



STA: 38 RR-5 LAT: 42 30.0 N LONG: 124 54.1 W  
12 JUL 2000 0753 GMT DEPTH 1160

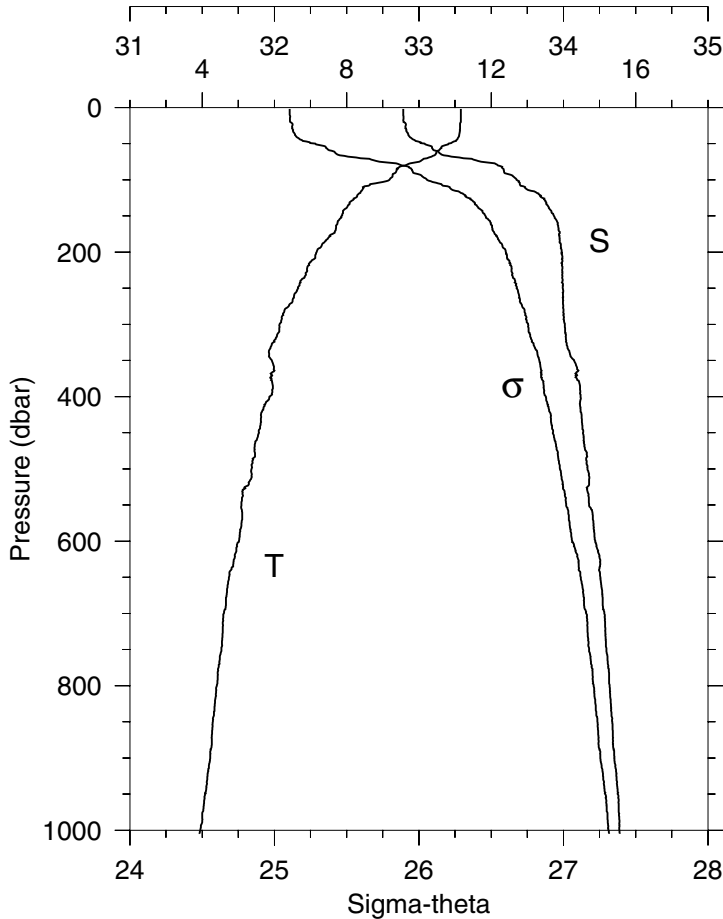
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
3	11.25	32.905	11.25	25.100	0.086	1.39	4.33
10	11.25	32.913	11.24	25.108	0.285	1.33	4.34
20	11.24	32.913	11.24	25.108	0.570	1.39	4.34
30	11.22	32.914	11.22	25.113	0.855	1.64	4.33
40	10.44	33.218	10.43	25.488	1.120	0.97	4.44
50	9.69	33.463	9.68	25.806	1.353	1.10	4.45
60	9.49	33.466	9.49	25.839	1.570	0.80	4.48
70	8.93	33.475	8.92	25.937	1.781	0.32	4.57
80	8.88	33.640	8.87	26.074	1.983	0.34	4.55
90	8.50	33.709	8.49	26.187	2.171	0.20	4.58
100	8.43	33.776	8.42	26.250	2.351	0.20	4.57
110	8.26	33.836	8.25	26.323	2.526	0.20	4.58
120	8.12	33.879	8.10	26.379	2.694	0.17	4.59
130	8.08	33.895	8.06	26.396	2.859	0.17	4.59
140	7.93	33.938	7.92	26.452	3.021	0.16	4.60
150	7.81	33.959	7.79	26.487	3.179	0.16	4.60
175	7.46	33.977	7.44	26.552	3.562	0.16	4.60
200	7.25	33.987	7.23	26.589	3.934	0.16	4.60
225	7.05	33.993	7.03	26.621	4.297	0.15	4.60
250	6.85	33.998	6.83	26.653	4.655	0.16	4.60
275	6.53	34.010	6.50	26.706	5.002	0.16	4.60
300	6.43	34.030	6.40	26.734	5.340	0.16	4.59
350	6.00	34.045	5.97	26.802	6.001	0.15	4.60
400	6.11	34.105	6.07	26.836	6.634	0.16	4.55
450	5.82	34.119	5.78	26.883	7.255	0.16	4.48
500	5.61	34.137	5.57	26.924	7.853	0.16	4.50
600	5.18	34.188	5.14	27.016	8.992	0.16	4.56
800	4.53	34.305	4.46	27.184	11.072	0.16	4.58
1000	3.94	34.394	3.87	27.318	12.879	0.16	4.56
1006	3.91	34.398	3.83	27.325	12.930	0.16	4.56



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### Station 39 RR-6 Temperature, Salinity

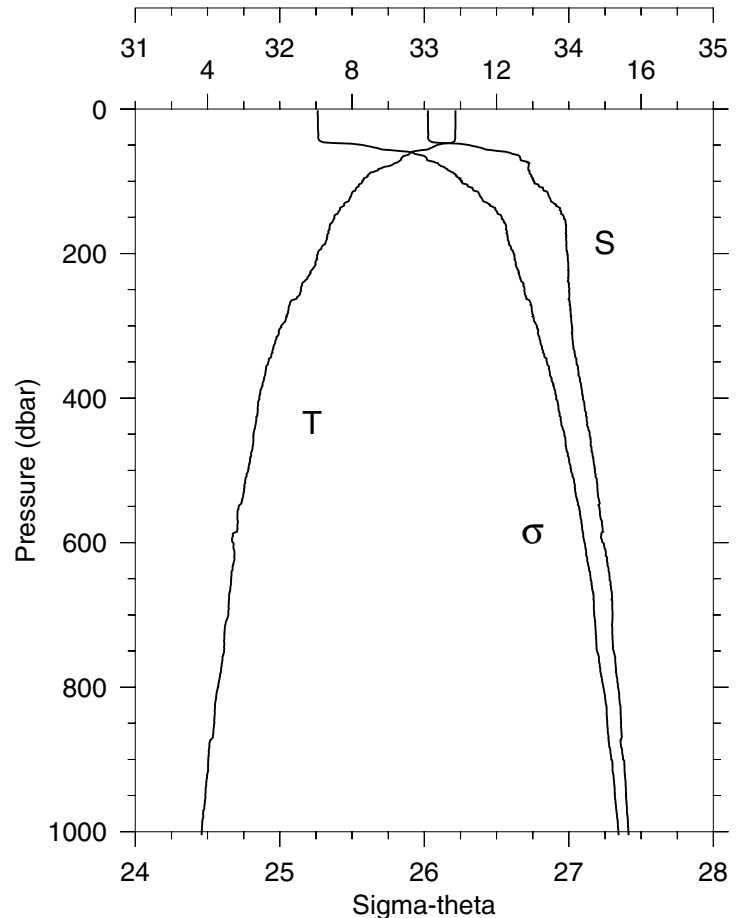
STA: 39 RR-6 LAT: 42 30.1 N LONG: 124 60.0 W  
12 JUL 2000 0939 GMT DEPTH 1766



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.16	32.891	11.16	25.106	0.057	1.46	4.34
10	11.16	32.892	11.16	25.106	0.285	1.49	4.34
20	11.16	32.894	11.15	25.109	0.570	1.51	4.35
30	11.14	32.911	11.13	25.126	0.853	1.39	4.35
40	11.10	32.933	11.10	25.149	1.136	1.28	4.37
50	10.82	33.039	10.81	25.282	1.413	1.00	4.42
60	10.52	33.118	10.51	25.397	1.676	0.94	4.43
70	10.22	33.309	10.21	25.596	1.928	1.45	4.46
80	9.62	33.546	9.61	25.882	2.153	0.66	4.48
90	9.35	33.590	9.34	25.960	2.360	0.42	4.53
100	9.18	33.676	9.17	26.055	2.560	0.23	4.56
110	8.45	33.734	8.44	26.213	2.749	0.17	4.59
120	8.32	33.829	8.31	26.309	2.927	0.20	4.57
130	8.11	33.874	8.10	26.375	3.096	0.18	4.57
140	7.96	33.902	7.95	26.419	3.261	0.18	4.57
150	7.86	33.934	7.85	26.459	3.421	0.17	4.58
175	7.61	33.969	7.59	26.524	3.809	0.17	4.60
200	7.16	33.989	7.14	26.602	4.182	0.16	4.61
225	6.90	33.991	6.88	26.640	4.542	0.16	4.61
250	6.66	33.995	6.64	26.676	4.894	0.16	4.61
275	6.39	33.998	6.36	26.714	5.238	0.16	4.60
300	6.14	34.009	6.11	26.755	5.572	0.17	4.60
350	5.93	34.072	5.90	26.832	6.218	0.16	4.60
400	5.86	34.119	5.83	26.878	6.837	0.16	4.59
450	5.57	34.135	5.53	26.927	7.434	0.16	4.56
500	5.37	34.166	5.33	26.976	8.009	0.16	4.57
600	5.02	34.220	4.97	27.061	9.103	0.16	4.59
800	4.40	34.319	4.34	27.209	11.068	0.15	4.57
1000	3.95	34.388	3.87	27.312	12.849	0.15	4.58
1005	3.93	34.389	3.86	27.315	12.891	0.15	4.58

### Station 40 RR-7 Temperature, Salinity

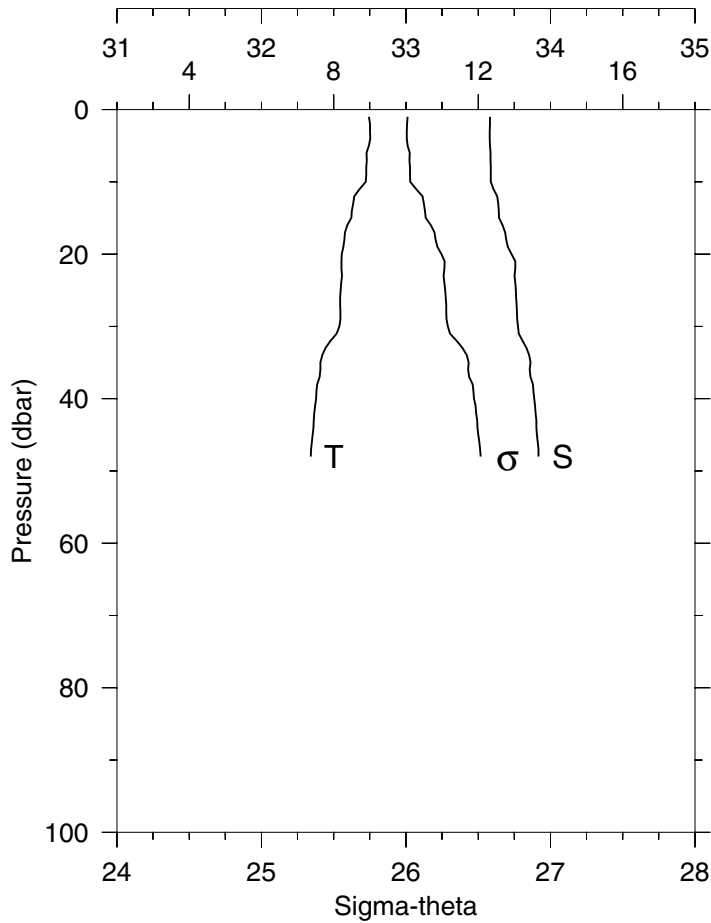
STA: 40 RR-7 LAT: 42 30.1 N LONG: 125 12.1 W  
12 JUL 2000 1232 GMT DEPTH 2962



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	10.86	33.025	10.86	25.263	0.054	1.12	4.39
10	10.86	33.024	10.86	25.263	0.270	1.10	4.39
20	10.86	33.025	10.86	25.263	0.540	1.08	4.39
30	10.86	33.026	10.85	25.265	0.810	1.15	4.39
40	10.86	33.025	10.85	25.265	1.081	1.23	4.39
50	10.35	33.310	10.34	25.575	1.343	0.84	4.45
60	9.63	33.577	9.62	25.904	1.571	0.60	4.51
70	9.35	33.666	9.35	26.018	1.774	0.45	4.52
80	8.88	33.721	8.88	26.137	1.967	0.31	4.56
90	8.46	33.735	8.45	26.213	2.152	0.21	4.58
100	8.30	33.756	8.28	26.255	2.331	0.19	4.60
110	8.11	33.821	8.10	26.334	2.505	0.16	4.61
120	7.98	33.860	7.96	26.384	2.673	0.15	4.61
130	7.80	33.893	7.79	26.436	2.836	0.15	4.60
140	7.66	33.937	7.64	26.492	2.994	0.16	4.59
150	7.51	33.966	7.49	26.536	3.147	0.16	4.57
175	7.32	33.983	7.30	26.576	3.520	0.16	4.60
200	7.05	33.990	7.03	26.619	3.886	0.16	4.60
225	6.85	33.998	6.83	26.653	4.244	0.16	4.60
250	6.58	34.003	6.56	26.693	4.592	0.15	4.60
275	6.24	34.011	6.22	26.743	4.931	0.15	4.60
300	6.04	34.022	6.01	26.779	5.261	0.16	4.60
350	5.68	34.054	5.65	26.848	5.898	0.16	4.60
400	5.43	34.097	5.40	26.913	6.501	0.15	4.60
450	5.27	34.144	5.23	26.970	7.079	0.15	4.60
500	5.12	34.180	5.08	27.015	7.637	0.15	4.60
600	4.71	34.236	4.66	27.108	8.685	0.15	4.60
800	4.29	34.341	4.23	27.238	10.597	0.16	4.57
1000	3.84	34.412	3.77	27.343	12.308	0.15	4.57
1005	3.84	34.413	3.76	27.344	12.349	0.14	4.57

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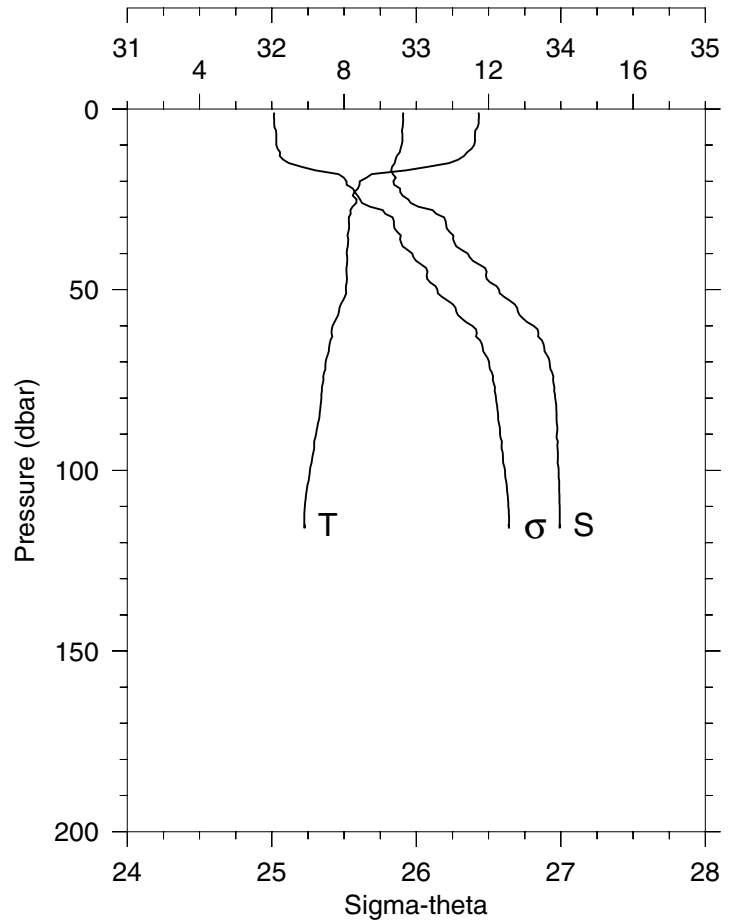
### Station 41 HH-1 Temperature, Salinity



STA: 41 HH-1 LAT: 44 0.1 N LONG: 124 12.1 W  
12 JUL 2000 2347 GMT DEPTH 54

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	8.97	33.582	8.97	26.012	0.020	2.12	3.98
10	8.89	33.587	8.89	26.030	0.198	4.05	3.97
20	8.22	33.731	8.22	26.245	0.384	1.27	4.30
30	8.16	33.776	8.15	26.290	0.558	1.70	4.19
40	7.51	33.887	7.51	26.471	0.720	0.83	4.39
48	7.37	33.918	7.36	26.517	0.842	0.79	4.32

### Station 42 HH-2 Temperature, Salinity

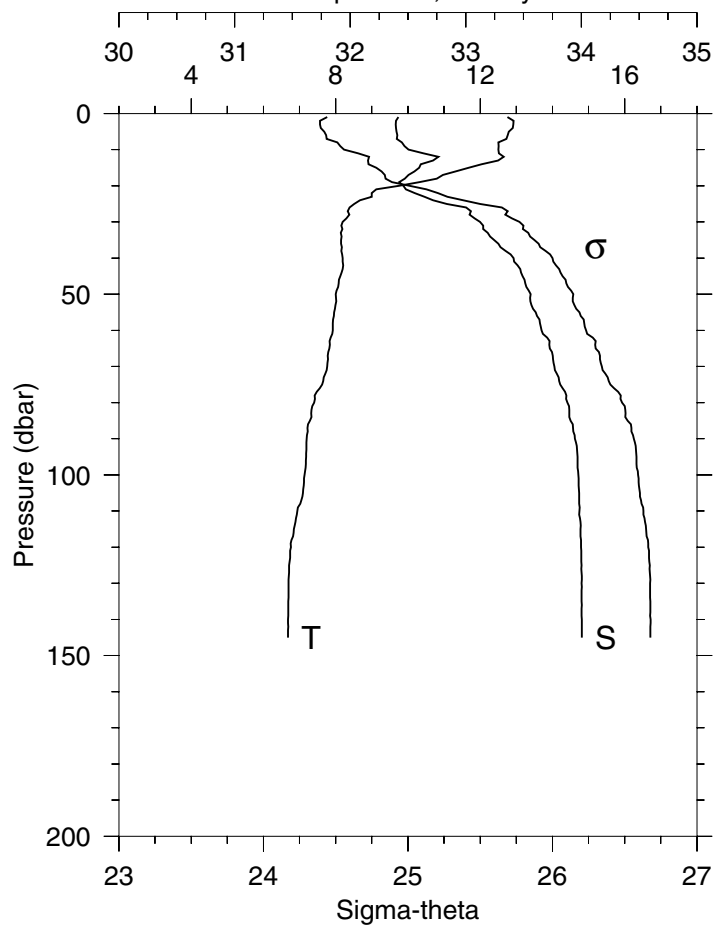


STA: 42 HH-2 LAT: 44 0.1 N LONG: 124 24.0 W  
13 JUL 2000 0129 GMT DEPTH 121

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	11.73	32.909	11.73	25.017	0.029	1.72	4.16
10	11.60	32.899	11.60	25.032	0.293	1.93	4.15
20	8.43	32.842	8.43	25.516	0.568	0.77	4.45
30	8.13	33.191	8.13	25.835	0.802	0.28	4.55
40	8.08	33.355	8.07	25.972	1.014	0.24	4.54
50	8.05	33.572	8.05	26.146	1.209	0.27	4.54
60	7.68	33.811	7.67	26.388	1.385	0.26	4.56
70	7.49	33.923	7.48	26.504	1.543	0.20	4.56
80	7.37	33.962	7.36	26.551	1.694	0.19	4.56
90	7.22	33.973	7.22	26.580	1.841	0.19	4.55
100	7.05	33.986	7.05	26.614	1.986	0.18	4.52
110	6.92	33.992	6.91	26.637	2.128	0.21	4.30
115	6.92	33.992	6.91	26.638	2.198	0.32	4.16

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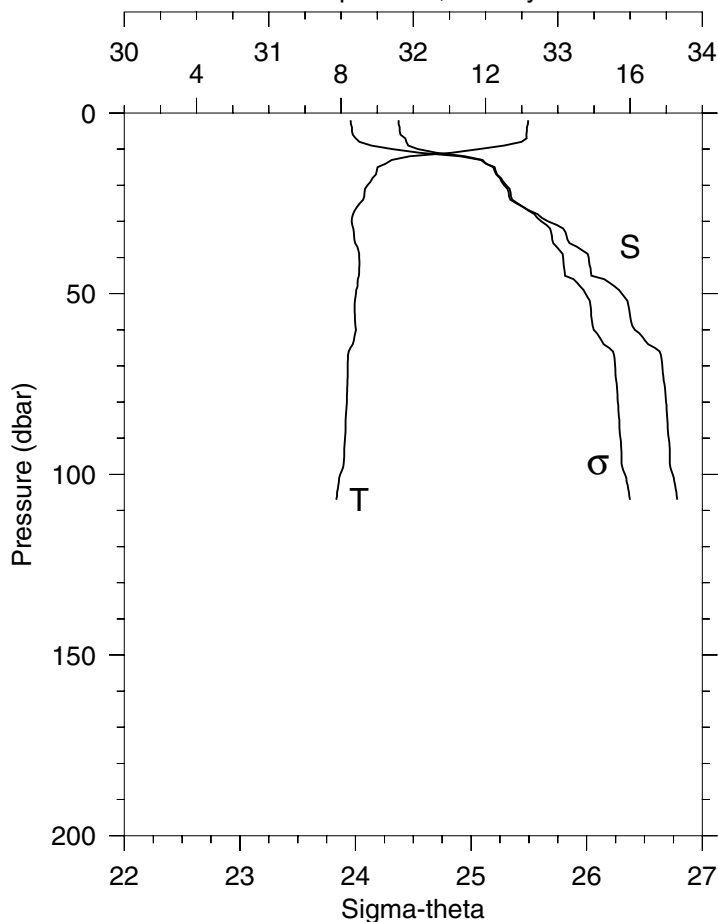
### Station 43 HH-3 Temperature, Salinity



STA: 43 HH-3 LAT: 44 0.1 N LONG: 124 36.0 W  
13 JUL 2000 0402 GMT DEPTH 155

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	12.75	32.418	12.75	24.442	0.035	1.96	4.20
10	12.51	32.505	12.51	24.557	0.348	1.49	4.17
20	9.74	32.462	9.74	25.014	0.664	0.77	4.49
30	8.20	33.122	8.19	25.771	0.915	0.35	4.55
40	8.19	33.413	8.19	26.000	1.127	0.28	4.55
50	8.00	33.561	7.99	26.145	1.321	0.21	4.55
60	7.92	33.656	7.91	26.232	1.504	0.20	4.55
70	7.76	33.766	7.75	26.341	1.676	0.19	4.55
80	7.40	33.880	7.39	26.482	1.838	0.34	4.55
90	7.19	33.945	7.19	26.563	1.989	0.21	4.54
100	7.14	33.974	7.13	26.593	2.136	0.22	4.54
110	6.94	33.984	6.93	26.629	2.279	0.24	4.44
120	6.76	33.996	6.75	26.662	2.419	0.27	4.39
130	6.70	34.002	6.68	26.675	2.557	0.37	4.37
140	6.68	34.004	6.67	26.679	2.695	0.48	4.33
145	6.68	34.003	6.67	26.678	2.763	0.46	4.31

### Station 44 HH-4 Temperature, Salinity

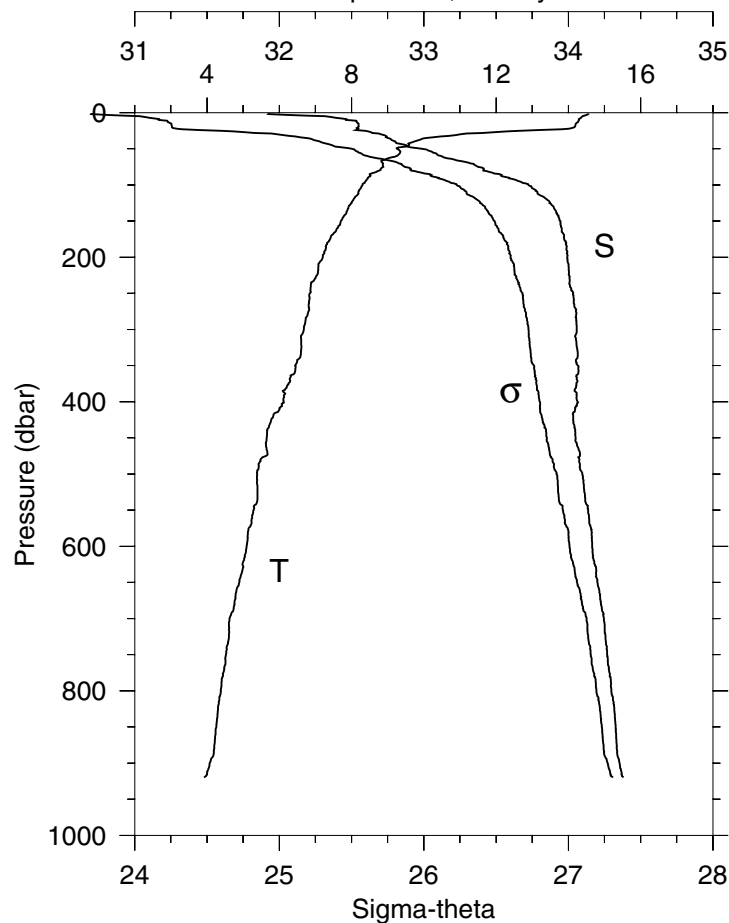


STA: 44 HH-4 LAT: 44 0.1 N LONG: 124 48.0 W  
13 JUL 2000 0630 GMT DEPTH 112

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	13.18	31.899	13.18	23.957	0.079	1.61	4.06
10	11.83	32.031	11.83	24.316	0.389	1.83	4.07
20	8.73	32.629	8.73	25.304	0.678	0.99	4.43
30	8.29	32.931	8.29	25.607	0.932	0.39	4.55
40	8.50	33.213	8.50	25.797	1.160	0.25	4.59
50	8.41	33.443	8.41	25.990	1.373	0.20	4.59
60	8.41	33.534	8.41	26.062	1.571	0.19	4.58
70	8.19	33.723	8.18	26.245	1.755	0.17	4.59
80	8.16	33.749	8.15	26.269	1.931	0.18	4.58
90	8.11	33.768	8.10	26.292	2.106	0.17	4.58
100	7.98	33.795	7.97	26.332	2.279	0.17	4.57
107	7.86	33.827	7.85	26.375	2.396	0.17	4.56

W0007A

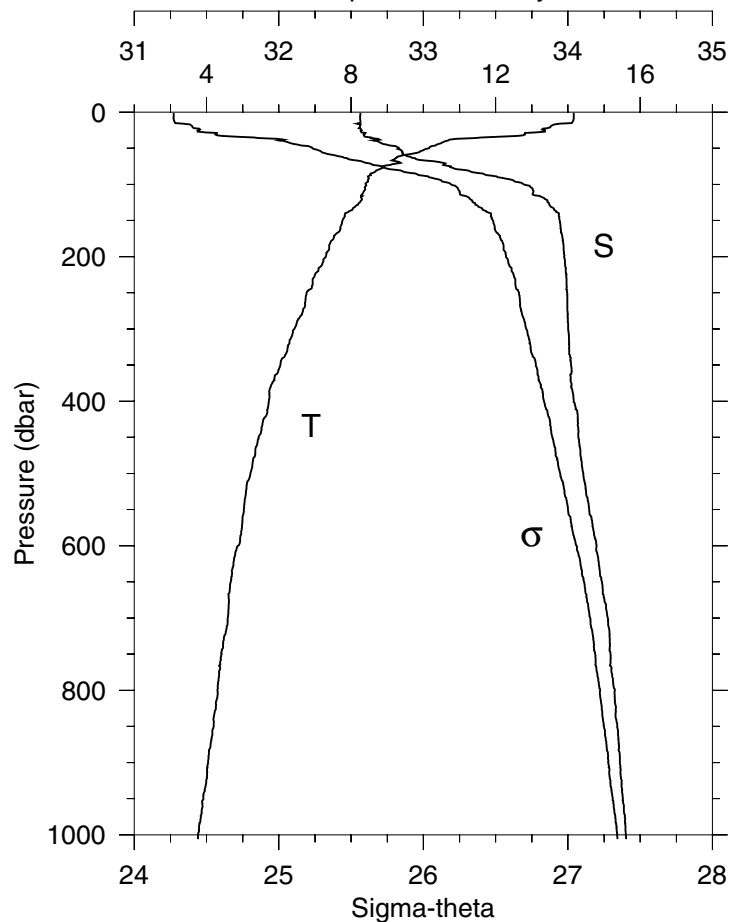
### Station 45 HH-5 Temperature, Salinity



STA: 45 HH-5 LAT: 44 0.2 N LONG: 125 0.1 W  
13 JUL 2000 0813 GMT DEPTH 926

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	14.56	31.928	14.56	23.699	0.042	0.48	4.34
10	14.29	32.461	14.29	24.166	0.394	0.47	4.43
20	14.17	32.547	14.17	24.257	0.762	0.52	4.45
30	11.01	32.704	11.00	24.988	1.098	0.96	4.45
40	9.74	32.803	9.73	25.281	1.378	1.26	4.42
50	9.26	32.984	9.25	25.500	1.638	0.46	4.55
60	9.25	33.119	9.25	25.607	1.881	0.30	4.56
70	8.87	33.324	8.87	25.827	2.108	0.21	4.57
80	8.77	33.411	8.76	25.912	2.321	0.21	4.57
90	8.45	33.591	8.44	26.102	2.521	0.18	4.59
100	8.31	33.724	8.30	26.228	2.706	0.18	4.60
110	8.19	33.786	8.18	26.295	2.883	0.17	4.59
120	8.06	33.851	8.04	26.365	3.054	0.17	4.59
130	7.92	33.897	7.91	26.422	3.219	0.17	4.59
140	7.84	33.919	7.83	26.450	3.379	0.16	4.58
150	7.70	33.944	7.69	26.490	3.537	0.16	4.58
175	7.41	33.971	7.39	26.555	3.919	0.16	4.57
200	7.21	33.992	7.19	26.599	4.288	0.17	4.56
225	7.03	34.005	7.01	26.633	4.648	0.17	4.56
250	6.84	34.033	6.82	26.682	5.001	0.17	4.55
275	6.80	34.051	6.78	26.702	5.347	0.22	4.55
300	6.68	34.058	6.65	26.724	5.687	0.21	4.55
350	6.43	34.064	6.40	26.762	6.361	0.16	4.54
400	6.12	34.065	6.09	26.803	7.016	0.16	4.57
450	5.65	34.050	5.61	26.850	7.652	0.16	4.60
500	5.39	34.096	5.35	26.918	8.263	0.15	4.59
600	5.10	34.165	5.05	27.008	9.414	0.15	4.53
800	4.38	34.298	4.32	27.194	11.454	0.15	4.57
920	3.92	34.380	3.85	27.308	12.542	0.16	4.57

### Station 46 HH-7 Temperature, Salinity

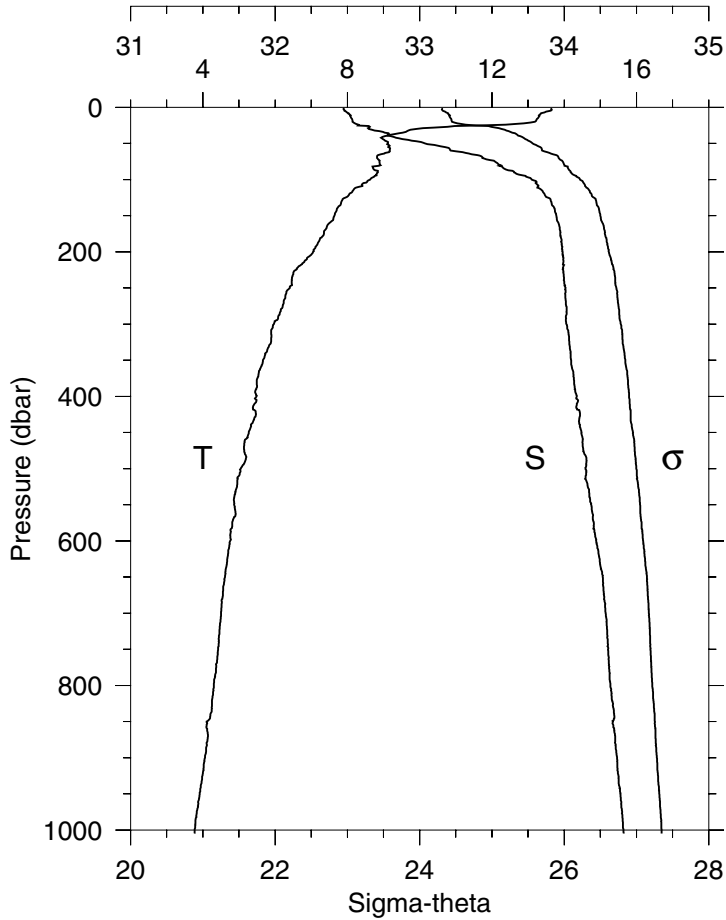


STA: 46 HH-7 LAT: 44 0.1 N LONG: 125 12.1 W  
13 JUL 2000 1148 GMT DEPTH 1698

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
1	14.16	32.565	14.16	24.274	0.036	0.73	4.38
10	14.16	32.563	14.15	24.273	0.364	0.75	4.38
20	13.52	32.562	13.52	24.402	0.724	0.93	4.40
30	12.81	32.595	12.80	24.570	1.071	0.83	4.46
40	10.63	32.679	10.62	25.035	1.386	0.93	4.47
50	10.16	32.831	10.16	25.233	1.668	0.81	4.48
60	9.43	32.878	9.43	25.390	1.936	0.38	4.56
70	9.37	33.136	9.37	25.601	2.184	0.32	4.57
80	8.73	33.288	8.72	25.822	2.414	0.32	4.54
90	8.47	33.515	8.47	26.039	2.622	0.27	4.55
100	8.40	33.695	8.39	26.191	2.811	0.22	4.57
110	8.35	33.762	8.33	26.252	2.991	0.21	4.57
120	8.30	33.840	8.29	26.320	3.166	0.23	4.57
130	8.12	33.879	8.11	26.378	3.335	0.19	4.57
140	7.84	33.938	7.82	26.466	3.498	0.19	4.57
150	7.76	33.943	7.75	26.481	3.655	0.18	4.57
175	7.51	33.964	7.49	26.534	4.042	0.17	4.57
200	7.30	33.974	7.28	26.572	4.417	0.16	4.58
225	7.00	33.990	6.98	26.626	4.783	0.17	4.59
250	6.77	33.995	6.74	26.662	5.140	0.16	4.59
275	6.67	33.997	6.65	26.676	5.490	0.16	4.59
300	6.43	34.001	6.40	26.712	5.835	0.17	4.59
350	6.05	34.022	6.01	26.778	6.503	0.17	4.60
400	5.72	34.041	5.69	26.834	7.144	0.17	4.60
450	5.44	34.072	5.40	26.892	7.758	0.16	4.60
500	5.21	34.106	5.17	26.947	8.349	0.15	4.60
600	4.87	34.199	4.82	27.060	9.458	0.15	4.58
800	4.30	34.324	4.24	27.223	11.422	0.15	4.59
1000	3.77	34.401	3.69	27.341	13.158	0.15	4.60
1006	3.76	34.402	3.68	27.343	13.207	0.14	4.60

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Station 47 HH-9  
Temperature, Salinity

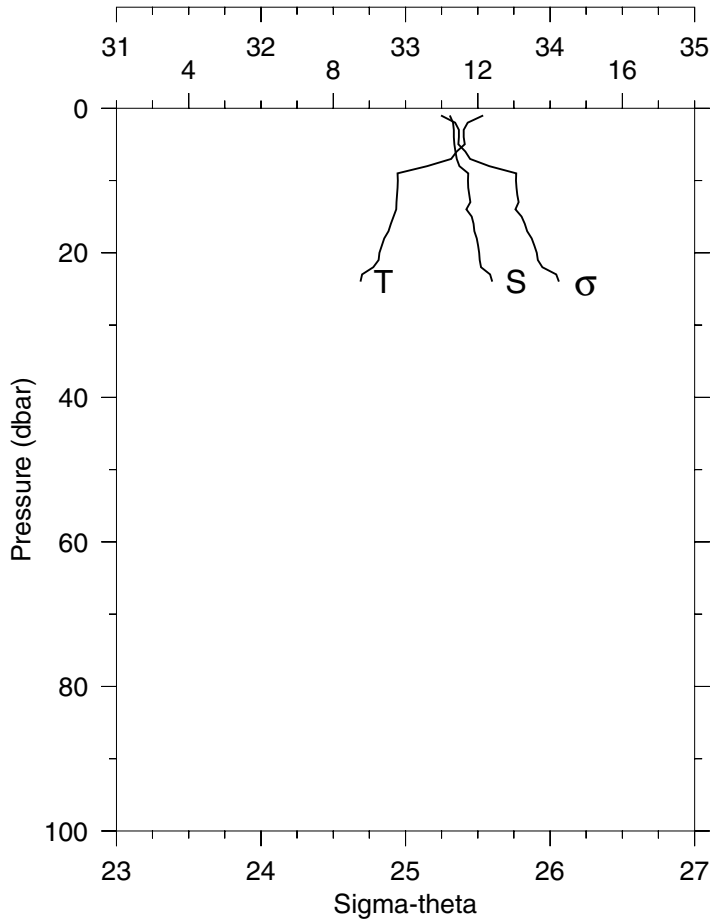


STA: 47 HH-9 LAT: 44 0.1 N LONG: 125 24.0 W  
13 JUL 2000 1336 GMT DEPTH 3022

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	13.63	32.469	13.63	24.308	0.036	0.76	4.34
10	13.32	32.516	13.32	24.407	0.358	0.81	4.36
20	13.19	32.536	13.19	24.448	0.707	0.83	4.40
30	9.90	32.647	9.90	25.132	1.023	0.74	4.46
40	9.03	32.801	9.03	25.393	1.292	0.99	4.38
50	9.12	33.035	9.11	25.563	1.542	0.58	4.48
60	9.16	33.215	9.16	25.696	1.775	0.44	4.51
70	8.82	33.434	8.81	25.922	1.992	0.27	4.55
80	8.92	33.559	8.91	26.005	2.196	0.25	4.56
90	8.84	33.653	8.83	26.090	2.392	0.26	4.57
100	8.63	33.776	8.62	26.219	2.578	0.24	4.57
110	8.31	33.815	8.30	26.298	2.754	0.19	4.57
120	8.05	33.864	8.04	26.377	2.924	0.19	4.58
130	7.84	33.908	7.83	26.442	3.087	0.17	4.60
140	7.71	33.933	7.70	26.480	3.245	0.17	4.60
150	7.64	33.945	7.62	26.500	3.401	0.17	4.60
175	7.35	33.973	7.34	26.563	3.780	0.17	4.58
200	7.05	33.989	7.03	26.618	4.146	0.16	4.58
225	6.57	33.993	6.55	26.687	4.499	0.17	4.59
250	6.40	34.009	6.38	26.721	4.840	0.20	4.59
275	6.21	34.014	6.18	26.751	5.173	0.17	4.59
300	5.96	34.015	5.93	26.782	5.501	0.16	4.60
350	5.66	34.048	5.63	26.846	6.135	0.15	4.60
400	5.48	34.087	5.45	26.899	6.742	0.15	4.58
450	5.27	34.120	5.23	26.951	7.330	0.15	4.58
500	5.05	34.147	5.01	26.998	7.894	0.15	4.59
600	4.75	34.221	4.70	27.091	8.960	0.15	4.57
800	4.30	34.319	4.24	27.219	10.888	0.15	4.58
1000	3.77	34.410	3.70	27.347	12.618	0.15	4.59
1005	3.77	34.411	3.69	27.349	12.659	0.15	4.59

W0009A

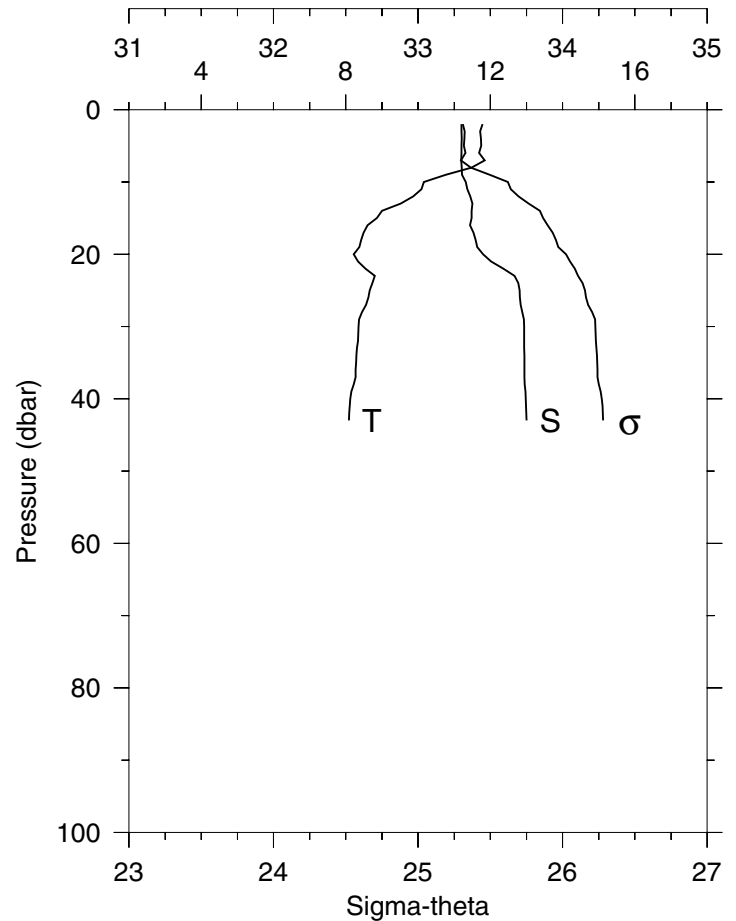
Station 1 NH-1  
Temperature, Salinity



STA: 1 NH-1 LAT: 44 39.1 N LONG: 124 6.1 W  
07 SEP 2000 1819 GMT DEPTH 29

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
1	12.15	33.307	12.15	25.246	0.027	1.56	77.3
10	9.78	33.432	9.78	25.764	0.253	3.19	77.9
20	9.28	33.510	9.27	25.908	0.470	2.22	80.4
24	8.75	33.600	8.75	26.062	0.552	1.85	80.6

Station 2 NH-3  
Temperature, Salinity



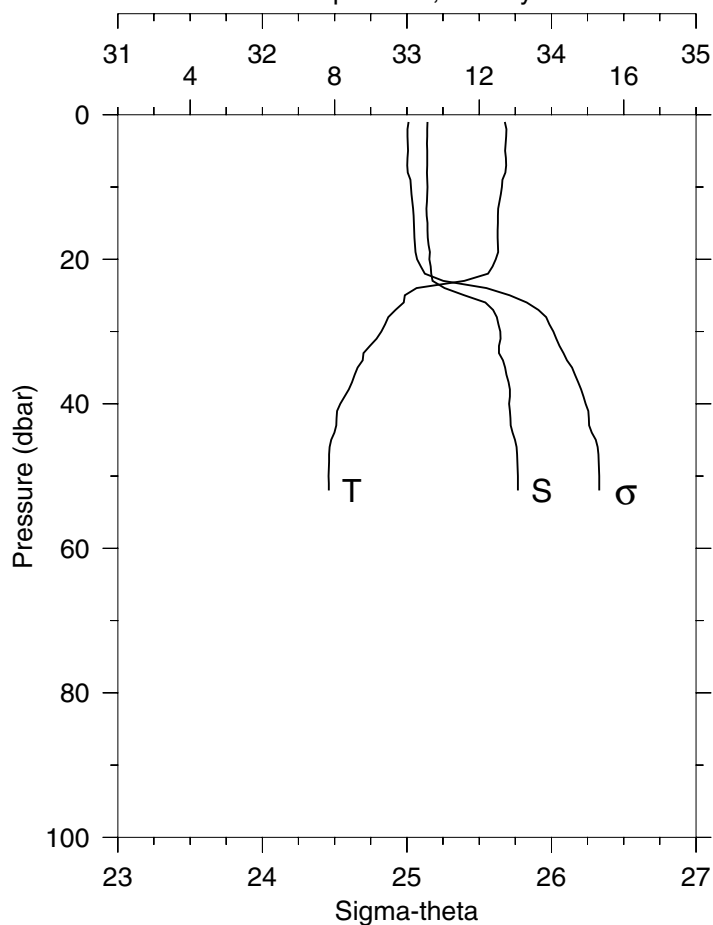
STA: 2 NH-3 LAT: 44 39.2 N LONG: 124 8.0 W  
07 SEP 2000 1922 GMT DEPTH 48

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
2	11.79	33.301	11.79	25.310	0.053	1.77	78.9
10	10.16	33.330	10.16	25.622	0.261	4.04	76.4
20	8.22	33.450	8.22	26.024	0.477	1.88	84.6
30	8.36	33.734	8.35	26.227	0.663	1.16	84.4
40	8.13	33.745	8.12	26.271	0.841	0.76	86.1
43	8.09	33.750	8.08	26.280	0.893	0.75	86.7

W0009A

### Station 3 NH-5 Temperature, Salinity

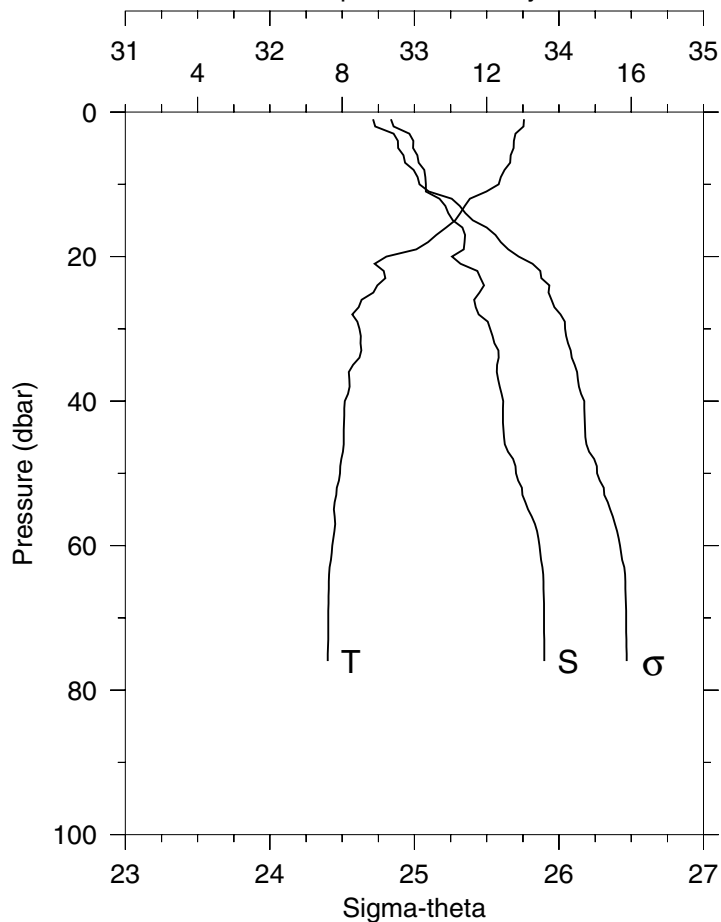
STA: 3 NH-5 LAT: 44 39.2 N LONG: 124 10.6 W  
07 SEP 2000 2009 GMT DEPTH 58



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	12.71	33.143	12.71	25.012	0.029	1.48	80.1
10	12.63	33.142	12.62	25.028	0.294	1.87	79.6
20	12.46	33.156	12.46	25.071	0.585	1.60	80.6
30	9.29	33.646	9.29	26.013	0.823	2.49	80.1
40	8.15	33.707	8.15	26.236	1.011	0.73	86.2
50	7.83	33.767	7.83	26.331	1.184	0.70	87.7
52	7.84	33.767	7.83	26.331	1.218	0.56	87.8

### Station 4 NH-10 Temperature, Salinity

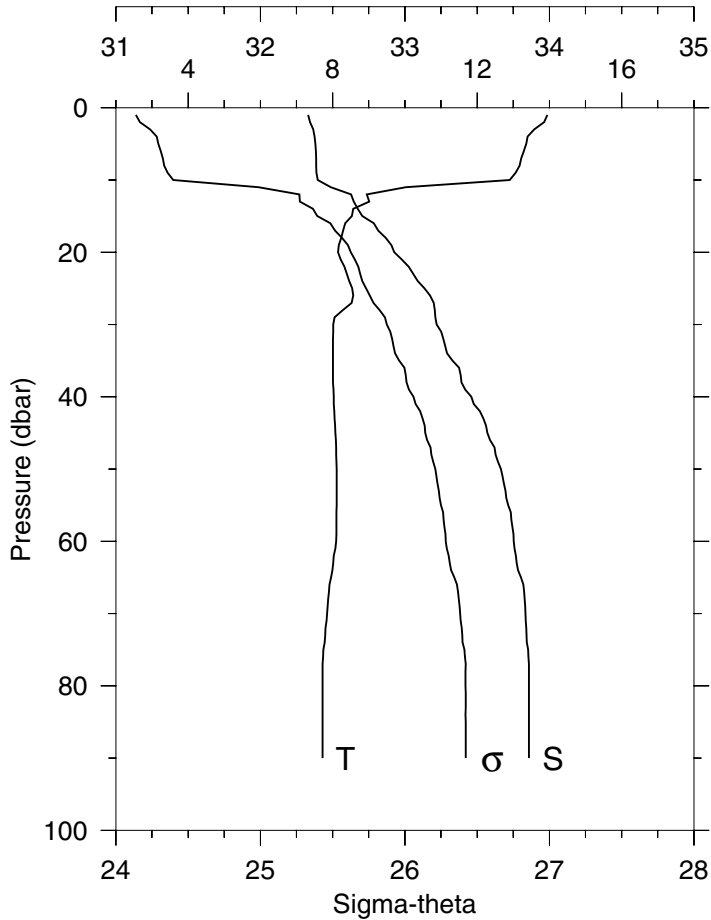
STA: 4 NH-10 LAT: 44 39.0 N LONG: 124 17.8 W  
07 SEP 2000 2156 GMT DEPTH 82



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	13.03	32.838	13.03	24.713	0.032	1.31	78.5
10	12.33	33.079	12.33	25.035	0.306	1.77	79.6
20	9.22	33.260	9.22	25.721	0.562	4.24	79.9
30	8.48	33.524	8.48	26.043	0.769	2.14	85.5
40	8.07	33.614	8.07	26.175	0.959	1.19	86.5
50	7.94	33.702	7.94	26.264	1.141	0.81	88.2
60	7.73	33.865	7.72	26.423	1.308	0.34	89.3
70	7.62	33.896	7.61	26.464	1.466	0.37	88.8
76	7.60	33.899	7.60	26.468	1.560	0.45	88.6

W0009A

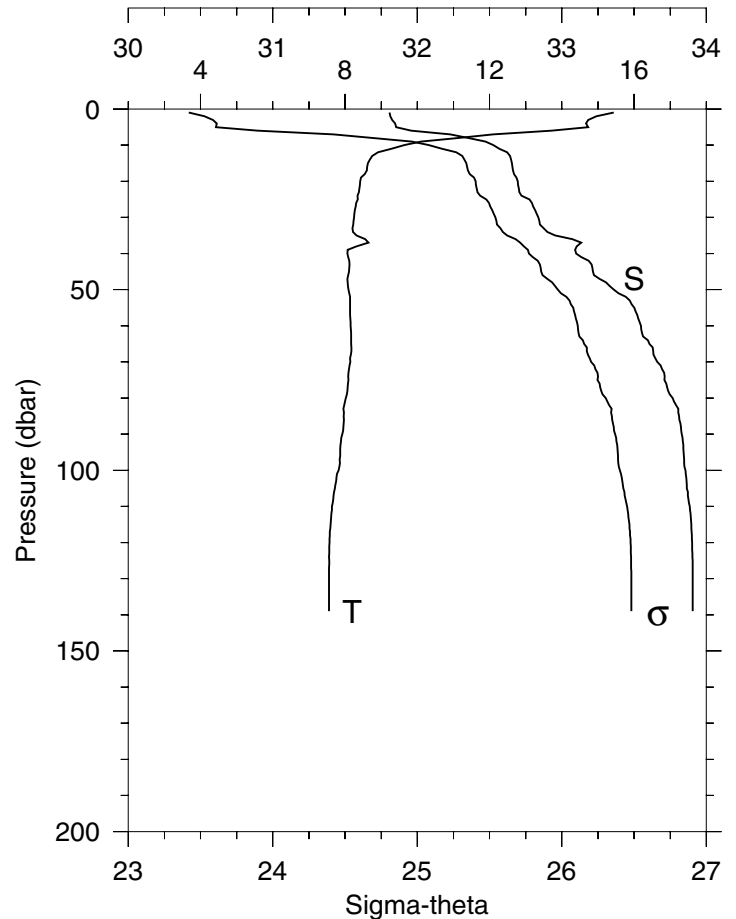
### Station 5 NH-15 Temperature, Salinity



STA: 5 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W  
07 SEP 2000 2308 GMT DEPTH 94

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
1	13.94	32.331	13.94	24.138	0.038	2.75	74.3
10	12.90	32.396	12.90	24.396	0.364	3.16	73.2
20	8.15	32.927	8.15	25.625	0.626	0.49	90.2
30	8.02	33.220	8.01	25.875	0.851	0.30	90.6
40	8.03	33.459	8.03	26.060	1.055	0.22	90.7
50	8.11	33.665	8.10	26.210	1.242	0.16	91.2
60	8.09	33.753	8.09	26.282	1.419	0.16	91.1
70	7.84	33.835	7.84	26.383	1.587	0.18	90.7
80	7.72	33.858	7.72	26.419	1.750	0.22	90.3
90	7.72	33.859	7.71	26.420	1.911	0.22	90.2

### Station 6 NH-20 Temperature, Salinity



STA: 6 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W  
08 SEP 2000 0102 GMT DEPTH 144

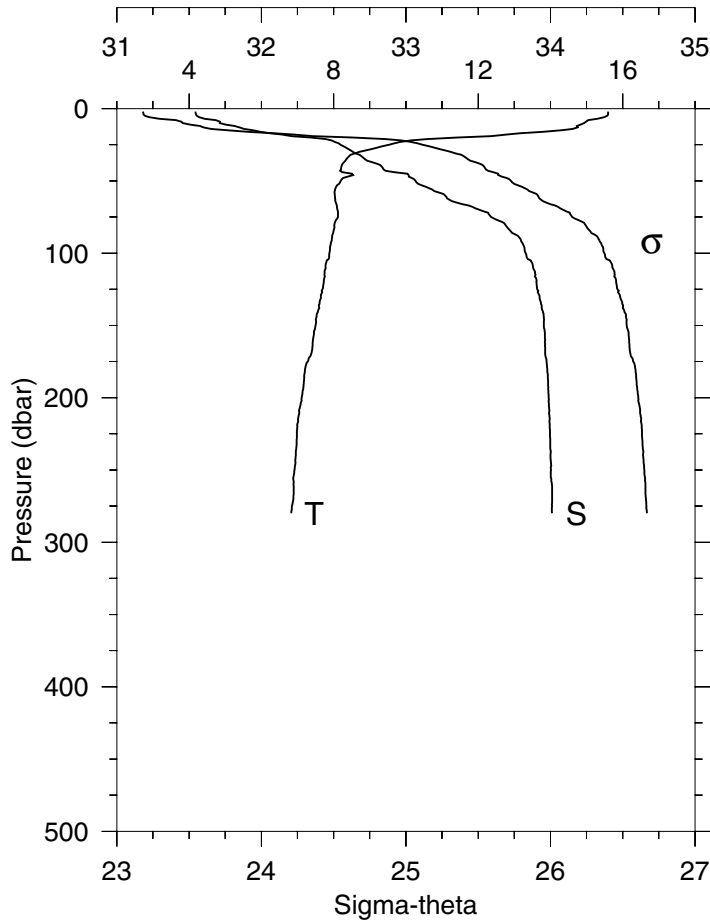
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
1	15.44	31.808	15.44	23.419	0.045	1.02	80.6
10	9.65	32.525	9.64	25.079	0.391	1.99	83.6
20	8.42	32.695	8.42	25.403	0.656	0.65	89.6
30	8.25	32.838	8.24	25.541	0.907	0.44	90.4
40	8.07	33.100	8.06	25.773	1.141	0.31	90.7
50	8.10	33.359	8.09	25.972	1.354	0.20	91.1
60	8.16	33.547	8.15	26.111	1.548	0.16	91.2
70	8.15	33.661	8.14	26.202	1.734	0.16	91.2
80	8.02	33.768	8.01	26.305	1.911	0.16	91.0
90	7.92	33.830	7.91	26.368	2.080	0.17	90.8
100	7.82	33.856	7.82	26.403	2.245	0.18	90.6
110	7.64	33.885	7.63	26.452	2.405	0.20	89.9
120	7.57	33.902	7.56	26.476	2.563	0.22	89.5
130	7.55	33.905	7.54	26.481	2.719	0.23	88.7
139	7.55	33.906	7.54	26.481	2.860	0.23	88.4



W0009A

### Station 7 NH-25 Temperature, Salinity

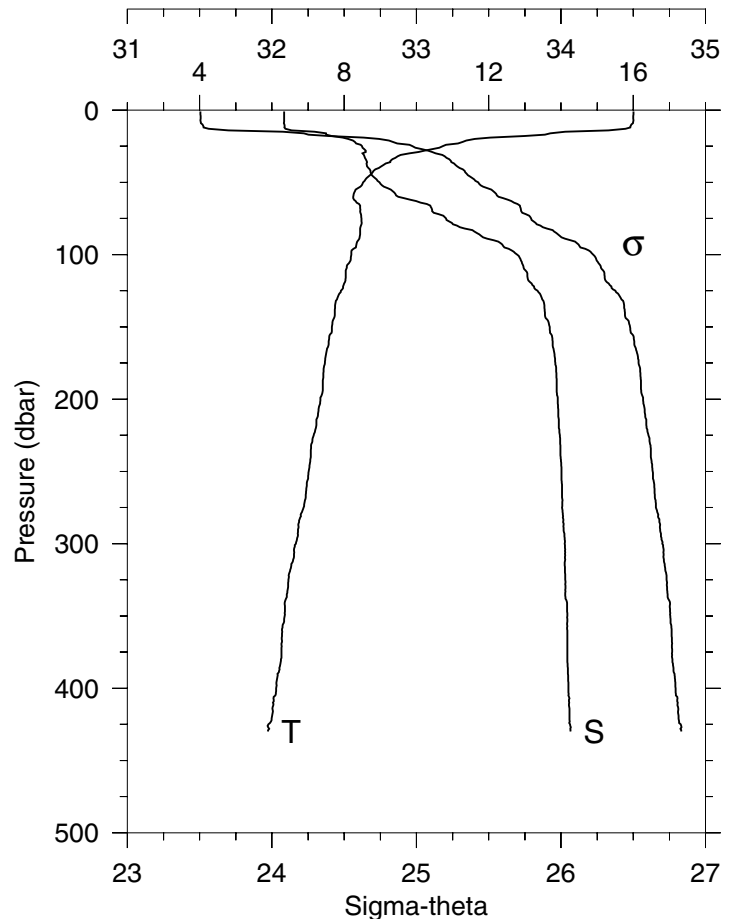
STA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W  
08 SEP 2000 0220 GMT DEPTH 295



P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (V)	FL (V)	TRN (%)
2	15.60	31.544	15.60	23.181	0.094	0.92	82.7
10	14.93	31.713	14.93	23.456	0.461	1.33	80.0
20	11.45	32.339	11.45	24.625	0.863	2.64	80.8
30	8.71	32.633	8.70	25.311	1.150	0.73	89.7
40	8.22	32.833	8.21	25.541	1.404	0.35	90.8
50	8.19	33.066	8.19	25.727	1.640	0.34	90.6
60	8.03	33.269	8.03	25.911	1.858	0.23	91.1
70	8.11	33.507	8.10	26.087	2.060	0.15	91.2
80	8.02	33.684	8.01	26.239	2.246	0.16	91.1
90	7.95	33.791	7.94	26.333	2.420	0.15	91.2
100	7.88	33.828	7.87	26.373	2.588	0.15	91.2
110	7.78	33.881	7.77	26.429	2.751	0.15	91.2
120	7.73	33.903	7.72	26.454	2.910	0.15	91.2
130	7.65	33.924	7.64	26.482	3.068	0.15	91.2
140	7.57	33.946	7.55	26.512	3.223	0.15	91.1
150	7.50	33.955	7.48	26.528	3.375	0.16	91.0
175	7.28	33.972	7.27	26.572	3.752	0.15	91.0
200	7.12	33.987	7.10	26.607	4.117	0.15	90.9
225	6.99	33.996	6.96	26.633	4.477	0.15	90.9
250	6.92	34.004	6.89	26.649	4.834	0.16	90.8
275	6.84	34.011	6.82	26.664	5.188	0.16	90.4
280	6.82	34.012	6.80	26.668	5.258	0.15	90.3

### Station 8 FM-35 Temperature, Salinity

STA: 8 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W  
08 SEP 2000 0538 GMT DEPTH 441

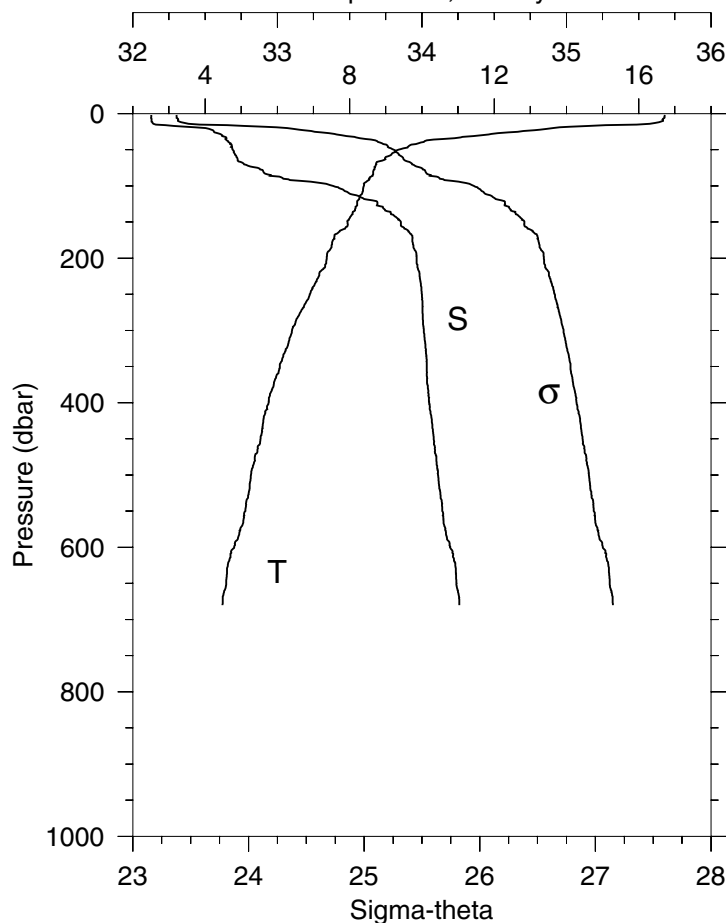


P (DB)	T (C)	S	POT T (C)	SIGMA THETA (J/KG)	DYN HT (V)	FL (V)	TRN (%)
1	16.00	32.084	16.00	23.505	0.044	0.41	89.2
10	15.95	32.086	15.95	23.520	0.437	0.41	89.2
20	11.62	32.528	11.62	24.741	0.828	0.55	89.4
30	9.81	32.628	9.80	25.133	1.127	0.68	90.2
40	8.96	32.667	8.95	25.299	1.400	0.50	90.9
50	8.52	32.745	8.52	25.427	1.661	0.29	91.1
60	8.25	32.874	8.24	25.569	1.909	0.23	91.2
70	8.44	33.109	8.44	25.725	2.140	0.17	91.5
80	8.46	33.281	8.45	25.857	2.361	0.15	91.5
90	8.39	33.535	8.38	26.066	2.566	0.16	91.5
100	8.20	33.698	8.19	26.224	2.753	0.15	91.4
110	8.06	33.745	8.05	26.282	2.931	0.15	91.3
120	8.00	33.797	7.99	26.331	3.104	0.14	91.3
130	7.82	33.867	7.80	26.414	3.270	0.15	91.3
140	7.74	33.889	7.73	26.442	3.431	0.15	91.2
150	7.66	33.922	7.65	26.478	3.590	0.15	91.1
175	7.47	33.961	7.45	26.537	3.974	0.15	91.2
200	7.34	33.978	7.32	26.569	4.350	0.16	91.0
225	7.16	33.992	7.14	26.605	4.719	0.16	90.9
250	7.02	34.003	6.99	26.635	5.081	0.15	91.0
275	6.88	34.008	6.86	26.657	5.437	0.15	91.1
300	6.66	34.026	6.63	26.701	5.785	0.15	91.3
350	6.35	34.044	6.32	26.756	6.461	0.15	90.9
400	6.12	34.052	6.08	26.793	7.120	0.16	90.4
430	5.89	34.065	5.86	26.832	7.505	0.16	89.7

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### Station 9 NH-45 Temperature, Salinity

STA: 9 NH-45 LAT: 44 39.1 N LONG: 125 7.0 W  
08 SEP 2000 0854 GMT DEPTH 693

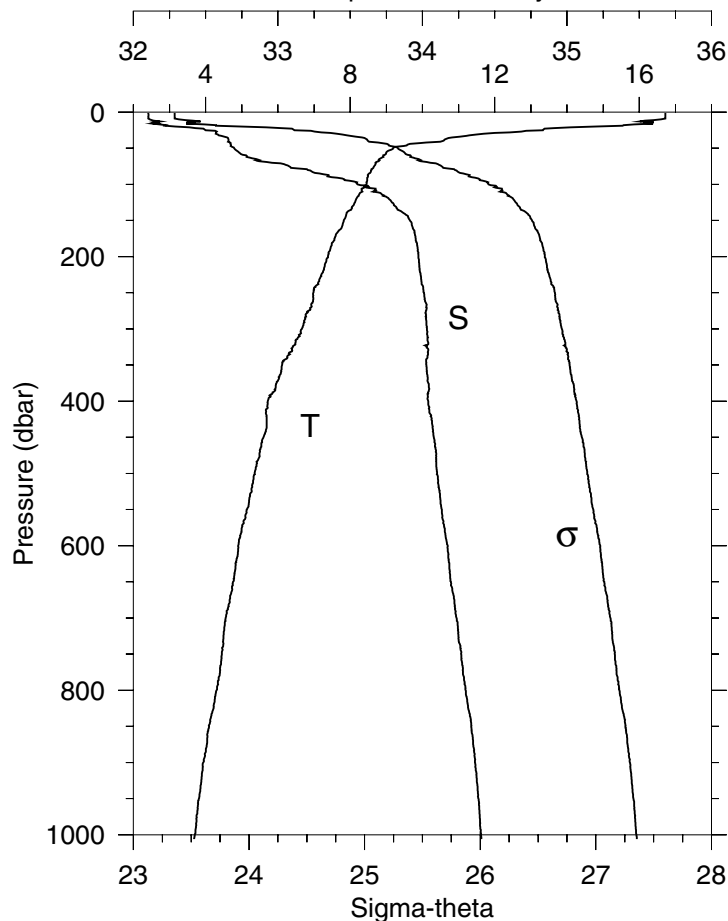


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.72	32.127	16.72	23.376	0.090	0.27	90.4
10	16.67	32.129	16.67	23.389	0.449	0.24	90.4
20	13.62	32.504	13.62	24.336	0.865	0.48	89.7
30	11.64	32.619	11.64	24.808	1.200	0.46	90.4
40	9.97	32.667	9.97	25.136	1.495	0.48	90.6
50	9.35	32.691	9.35	25.256	1.772	0.40	91.1
60	9.00	32.716	9.00	25.330	2.040	0.28	91.3
70	8.74	32.770	8.73	25.414	2.301	0.25	91.3
80	8.65	32.902	8.64	25.531	2.551	0.20	91.4
90	8.55	33.040	8.54	25.655	2.792	0.25	91.4
100	8.39	33.386	8.38	25.950	3.010	0.14	91.5
110	8.35	33.494	8.34	26.041	3.212	0.13	91.5
120	8.23	33.657	8.22	26.187	3.403	0.13	91.5
130	8.16	33.730	8.15	26.255	3.584	0.14	91.4
140	8.06	33.801	8.04	26.326	3.759	0.14	91.5
150	7.94	33.854	7.93	26.385	3.927	0.15	91.4
175	7.54	33.933	7.52	26.506	4.327	0.14	91.3
200	7.36	33.963	7.34	26.555	4.708	0.15	91.3
225	7.15	33.984	7.13	26.601	5.080	0.15	91.3
250	6.89	34.000	6.87	26.649	5.440	0.15	91.4
275	6.63	34.004	6.61	26.688	5.791	0.15	91.4
300	6.41	34.013	6.38	26.724	6.133	0.15	91.5
350	6.07	34.034	6.04	26.785	6.796	0.15	91.4
400	5.76	34.050	5.72	26.837	7.435	0.15	91.4
450	5.53	34.081	5.50	26.888	8.050	0.15	91.4
500	5.27	34.111	5.23	26.944	8.642	0.15	91.4
600	4.81	34.194	4.76	27.064	9.761	0.15	91.2
680	4.48	34.259	4.43	27.151	10.564	0.15	91.2

STA: 10 NH-55 LAT: 44 39.1 N LONG: 125 21.9 W  
08 SEP 2000 1250 GMT DEPTH 2865

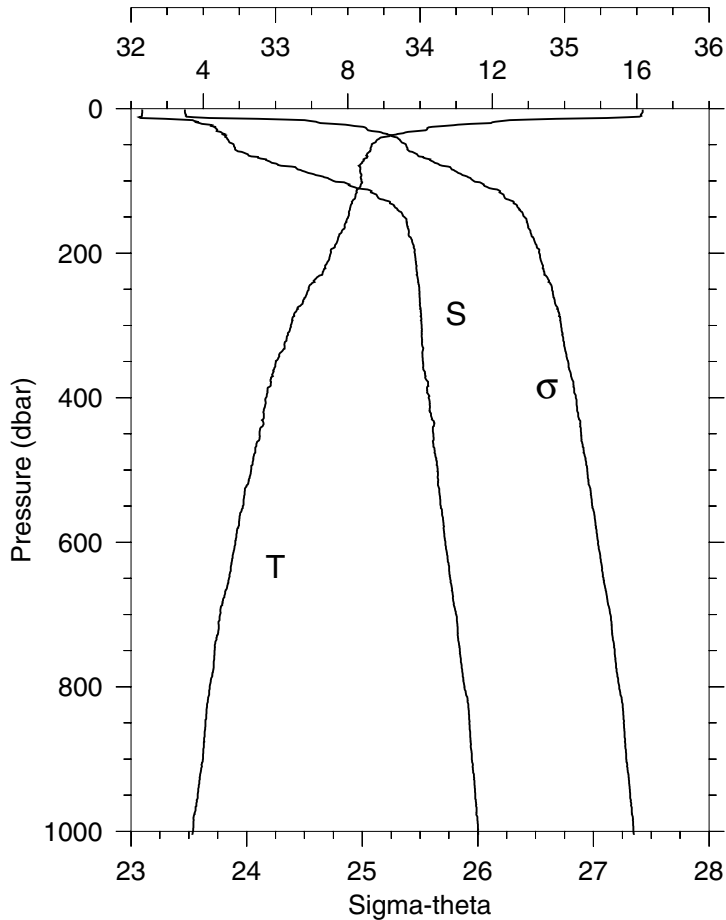
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	16.72	32.103	16.72	23.358	0.045	0.20	90.5
10	16.60	32.113	16.60	23.392	0.451	0.22	90.4
20	14.79	32.290	14.79	23.930	0.883	0.31	90.2
30	11.70	32.570	11.69	24.760	1.232	1.02	88.0
40	10.57	32.658	10.56	25.029	1.533	0.70	89.7
50	9.19	32.698	9.18	25.288	1.812	0.38	91.1
60	8.92	32.780	8.91	25.395	2.076	0.25	91.4
70	8.70	32.959	8.70	25.568	2.328	0.19	91.5
80	8.59	33.207	8.58	25.780	2.560	0.18	91.4
90	8.48	33.373	8.47	25.926	2.775	0.16	91.5
100	8.45	33.552	8.44	26.071	2.975	0.14	91.5
110	8.34	33.658	8.33	26.172	3.162	0.14	91.5
120	8.17	33.768	8.16	26.284	3.341	0.14	91.5
130	8.07	33.810	8.06	26.330	3.514	0.14	91.4
140	7.90	33.870	7.89	26.403	3.681	0.14	91.3
150	7.82	33.913	7.81	26.448	3.843	0.15	91.1
175	7.57	33.953	7.55	26.517	4.234	0.16	90.7
200	7.39	33.973	7.37	26.559	4.613	0.15	90.6
225	7.20	33.987	7.18	26.596	4.984	0.15	90.5
250	6.98	34.010	6.96	26.645	5.346	0.15	90.7
275	6.84	34.024	6.81	26.676	5.699	0.15	91.1
300	6.67	34.032	6.64	26.705	6.045	0.15	91.3
350	6.11	34.027	6.08	26.773	6.716	0.15	91.4
400	5.72	34.041	5.68	26.834	7.360	0.15	91.4
450	5.60	34.080	5.56	26.880	7.981	0.15	91.1
500	5.36	34.101	5.32	26.925	8.580	0.15	91.3
600	4.90	34.175	4.86	27.037	9.713	0.14	91.2
800	4.30	34.299	4.24	27.204	11.733	0.14	91.2
1000	3.70	34.405	3.63	27.350	13.450	0.15	91.3
1006	3.68	34.408	3.61	27.354	13.498	0.15	91.3

### Station 10 NH-55 Temperature, Salinity



W0009A

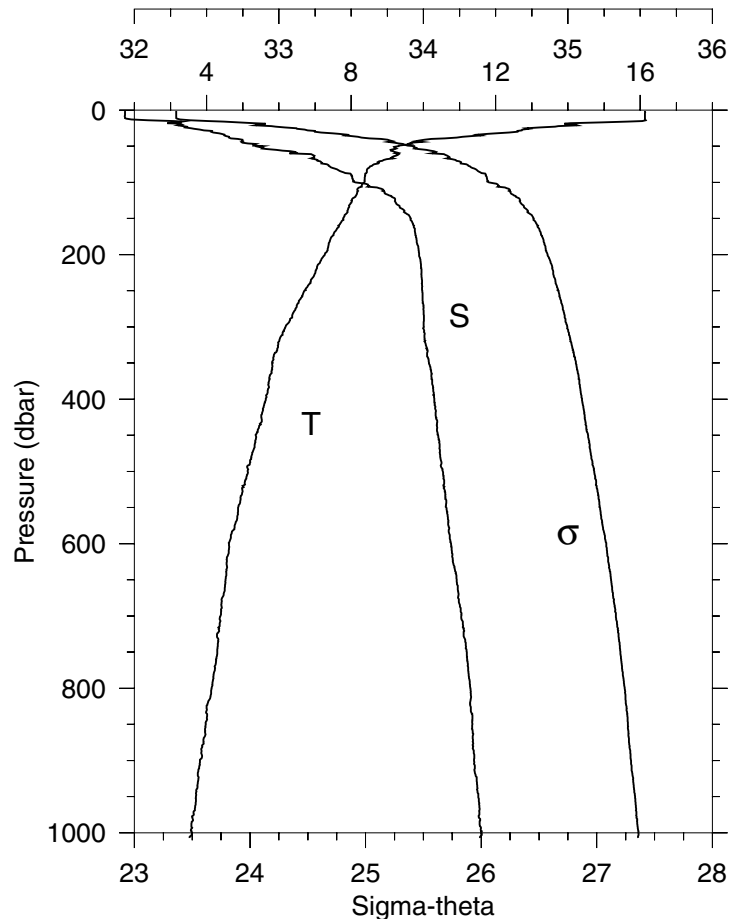
### Station 11 NH-65 Temperature, Salinity



STA: 11 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W  
08 SEP 2000 1457 GMT DEPTH 2860

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	16.16	32.079	16.16	23.466	0.044	0.26	90.1
10	16.12	32.076	16.12	23.472	0.441	0.28	90.1
20	11.96	32.475	11.96	24.637	0.817	1.95	84.2
30	10.15	32.595	10.15	25.050	1.118	1.08	88.8
40	8.91	32.661	8.91	25.301	1.395	0.52	90.7
50	8.66	32.710	8.66	25.378	1.658	0.28	91.2
60	8.59	32.766	8.58	25.434	1.917	0.28	91.3
70	8.44	32.933	8.43	25.587	2.165	0.21	91.3
80	8.33	33.110	8.32	25.743	2.401	0.20	91.2
90	8.36	33.253	8.35	25.850	2.622	0.17	91.2
100	8.37	33.401	8.36	25.964	2.831	0.15	91.1
110	8.31	33.563	8.30	26.100	3.029	0.14	91.2
120	8.22	33.702	8.20	26.224	3.213	0.14	91.2
130	8.12	33.792	8.10	26.310	3.390	0.14	91.1
140	8.06	33.843	8.05	26.358	3.560	0.15	91.0
150	8.01	33.891	7.99	26.404	3.726	0.14	91.2
175	7.76	33.920	7.74	26.464	4.129	0.15	90.8
200	7.53	33.963	7.51	26.531	4.517	0.15	91.1
225	7.32	33.976	7.30	26.570	4.894	0.15	91.1
250	6.92	33.995	6.90	26.641	5.258	0.15	91.2
275	6.62	34.002	6.59	26.687	5.611	0.15	91.3
300	6.42	34.011	6.40	26.720	5.953	0.15	91.3
350	6.01	34.020	5.97	26.781	6.621	0.15	91.4
400	5.74	34.060	5.70	26.847	7.258	0.15	91.4
450	5.56	34.092	5.52	26.894	7.870	0.15	91.3
500	5.32	34.122	5.28	26.947	8.463	0.15	91.0
600	4.88	34.175	4.84	27.040	9.582	0.15	91.3
800	4.18	34.308	4.11	27.223	11.567	0.14	91.4
1000	3.71	34.401	3.64	27.346	13.281	0.14	91.3
1005	3.70	34.402	3.62	27.349	13.322	0.14	91.3

### Station 12 NH-85 Temperature, Salinity

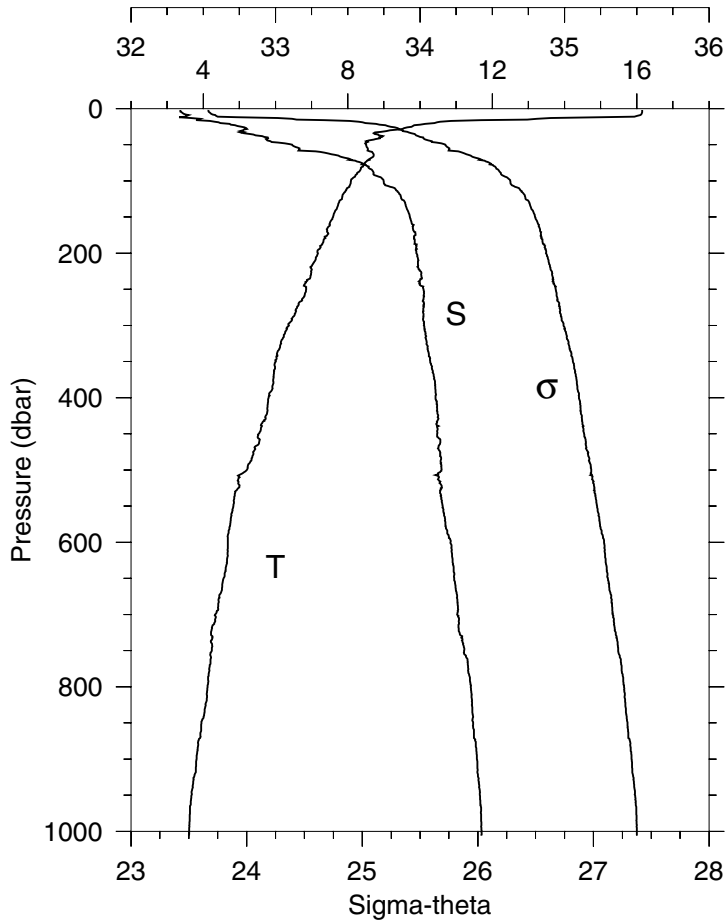


STA: 12 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W  
08 SEP 2000 1806 GMT DEPTH 2884

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	16.14	31.934	16.14	23.361	0.045	0.47	89.6
10	16.14	31.935	16.13	23.362	0.451	0.41	89.3
20	14.18	32.329	14.18	24.087	0.872	0.70	89.1
30	12.60	32.532	12.60	24.561	1.230	0.67	89.7
40	10.22	32.715	10.22	25.132	1.541	0.61	90.1
50	9.31	32.891	9.31	25.419	1.811	0.43	90.6
60	9.23	33.073	9.23	25.574	2.058	0.33	90.9
70	8.86	33.268	8.85	25.786	2.286	0.24	91.2
80	8.49	33.373	8.48	25.924	2.501	0.14	91.5
90	8.39	33.503	8.38	26.042	2.703	0.14	91.5
100	8.36	33.529	8.35	26.066	2.900	0.14	91.5
110	8.17	33.722	8.16	26.246	3.086	0.14	91.4
120	8.12	33.781	8.11	26.301	3.263	0.15	91.4
130	7.98	33.814	7.97	26.348	3.433	0.14	91.4
140	7.89	33.868	7.88	26.403	3.599	0.14	91.4
150	7.78	33.913	7.76	26.455	3.761	0.14	91.4
175	7.47	33.949	7.45	26.527	4.150	0.14	91.4
200	7.27	33.971	7.25	26.574	4.526	0.15	91.3
225	7.01	33.987	6.99	26.623	4.891	0.15	91.3
250	6.71	33.993	6.69	26.668	5.247	0.15	91.3
275	6.46	34.000	6.43	26.707	5.593	0.15	91.3
300	6.18	34.003	6.16	26.745	5.930	0.14	91.4
350	5.83	34.039	5.80	26.819	6.579	0.15	91.3
400	5.64	34.076	5.60	26.872	7.200	0.15	91.3
450	5.36	34.102	5.32	26.926	7.801	0.15	91.3
500	5.14	34.135	5.10	26.978	8.378	0.15	91.3
600	4.62	34.191	4.57	27.082	9.461	0.15	91.4
800	4.14	34.325	4.08	27.241	11.391	0.15	91.4
1000	3.59	34.401	3.52	27.358	13.084	0.15	91.4
1007	3.53	34.393	3.46	27.358	13.140	0.14	91.5

W0009A

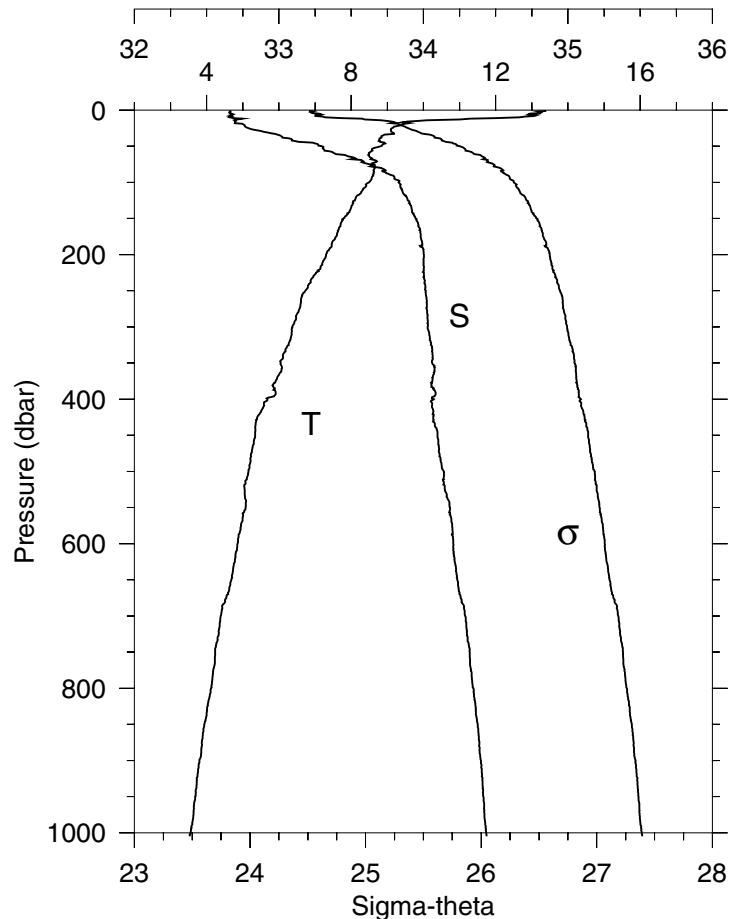
### Station 13 FM-9 Temperature, Salinity



STA: 13 FM-9 LAT: 43 13.1 N LONG: 125 10.1 W  
09 SEP 2000 0331 GMT DEPTH 1663

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
2	16.15	32.341	16.15	23.671	0.084	0.33	90.1
10	16.01	32.384	16.01	23.735	0.420	0.32	90.3
20	10.40	32.618	10.40	25.027	0.766	0.58	89.1
30	9.16	32.775	9.16	25.351	1.039	0.77	89.5
40	8.88	32.946	8.88	25.529	1.293	0.50	90.4
50	8.51	33.115	8.50	25.719	1.531	0.28	91.1
60	8.67	33.309	8.67	25.846	1.755	0.24	91.2
70	8.59	33.519	8.58	26.024	1.962	0.17	91.4
80	8.42	33.644	8.41	26.148	2.154	0.15	91.4
90	8.26	33.678	8.25	26.199	2.339	0.14	91.5
100	8.09	33.748	8.08	26.280	2.517	0.14	91.5
110	7.98	33.825	7.97	26.356	2.690	0.14	91.5
120	7.85	33.865	7.84	26.406	2.856	0.14	91.5
130	7.76	33.896	7.74	26.445	3.018	0.14	91.4
140	7.67	33.912	7.66	26.469	3.176	0.14	91.4
150	7.59	33.930	7.58	26.495	3.333	0.14	91.4
175	7.43	33.968	7.41	26.548	3.714	0.15	91.2
200	7.18	33.975	7.16	26.590	4.086	0.15	91.3
225	6.98	34.004	6.96	26.640	4.448	0.15	91.3
250	6.85	34.025	6.83	26.674	4.801	0.15	91.3
275	6.60	34.026	6.58	26.708	5.147	0.15	91.4
300	6.37	34.026	6.34	26.740	5.485	0.15	91.4
350	6.01	34.071	5.97	26.822	6.134	0.15	91.4
400	5.81	34.107	5.78	26.875	6.754	0.15	91.5
450	5.53	34.118	5.49	26.918	7.354	0.15	91.5
500	5.20	34.148	5.16	26.981	7.932	0.15	91.4
600	4.68	34.211	4.63	27.091	9.011	0.15	91.4
800	4.12	34.351	4.06	27.264	10.922	0.15	91.2
1000	3.61	34.425	3.53	27.376	12.563	0.14	90.9
1006	3.60	34.426	3.53	27.377	12.610	0.15	90.9

### Station 14 FM-8 Temperature, Salinity

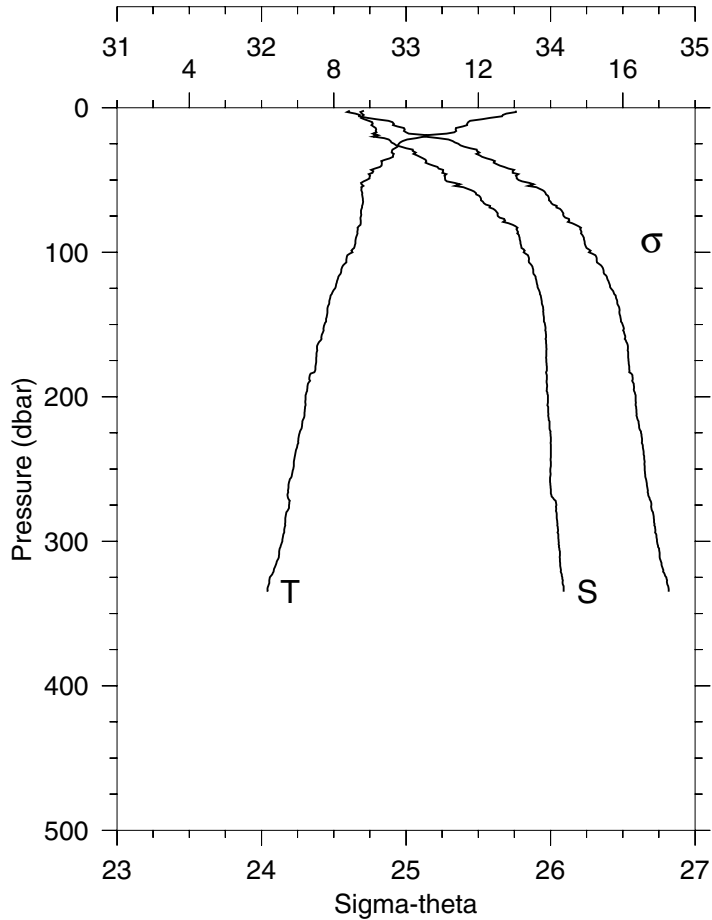


STA: 14 FM-8 LAT: 43 13.1 N LONG: 125 0.1 W  
09 SEP 2000 0525 GMT DEPTH 1082

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
1	13.40	32.671	13.40	24.511	0.034	0.89	86.6
10	12.65	32.661	12.65	24.649	0.336	1.06	86.4
20	9.41	32.757	9.41	25.298	0.621	0.82	89.1
30	9.11	32.892	9.11	25.451	0.881	0.68	89.8
40	8.78	33.084	8.78	25.653	1.124	0.39	91.0
50	8.82	33.295	8.82	25.812	1.350	0.30	91.2
60	8.50	33.385	8.49	25.932	1.563	0.21	91.5
70	8.70	33.579	8.69	26.054	1.763	0.18	91.5
80	8.66	33.709	8.65	26.163	1.955	0.16	91.5
90	8.61	33.781	8.60	26.226	2.138	0.16	91.4
100	8.49	33.828	8.48	26.281	2.315	0.15	91.3
110	8.33	33.849	8.32	26.322	2.488	0.15	91.3
120	8.14	33.884	8.12	26.379	2.657	0.15	91.4
130	8.04	33.907	8.03	26.412	2.821	0.15	91.4
140	7.95	33.923	7.94	26.437	2.983	0.15	91.4
150	7.79	33.946	7.77	26.480	3.142	0.15	91.4
175	7.59	33.981	7.57	26.536	3.526	0.15	91.4
200	7.31	34.003	7.29	26.594	3.899	0.15	91.4
225	7.03	34.003	7.01	26.633	4.262	0.15	91.4
250	6.73	34.017	6.71	26.684	4.615	0.15	91.4
275	6.57	34.022	6.54	26.710	4.958	0.15	91.4
300	6.37	34.029	6.34	26.742	5.295	0.15	91.4
350	6.05	34.060	6.02	26.807	5.948	0.15	91.4
400	5.68	34.071	5.65	26.862	6.578	0.15	91.5
450	5.34	34.098	5.30	26.925	7.180	0.15	91.5
500	5.16	34.142	5.12	26.982	7.757	0.15	91.4
600	4.86	34.206	4.81	27.068	8.845	0.15	91.2
800	4.12	34.346	4.06	27.259	10.765	0.15	91.1
1000	3.55	34.435	3.48	27.389	12.399	0.15	91.0
1005	3.53	34.437	3.46	27.393	12.437	0.15	91.0

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### Station 15 FM-7 Temperature, Salinity

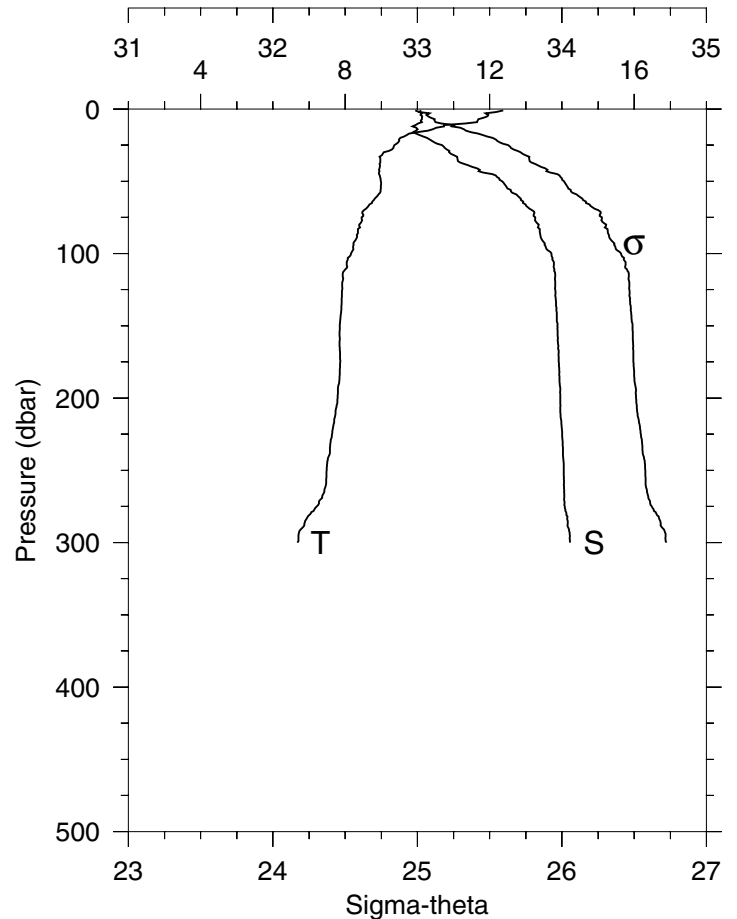
 STA: 15 FM-7 LAT: 43 13.1 N LONG: 124 50.0 W  
 09 SEP 2000 0739 GMT DEPTH 342


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
2	13.04	32.708	13.04	24.610	0.066	0.98	86.4
10	11.72	32.766	11.72	24.906	0.324	1.25	86.7
20	10.50	32.772	10.50	25.128	0.620	1.23	87.7
30	9.61	33.046	9.61	25.491	0.881	0.73	90.0
40	9.32	33.189	9.32	25.650	1.123	0.40	90.9
50	8.91	33.271	8.91	25.779	1.348	0.28	91.2
60	8.78	33.486	8.78	25.968	1.559	0.21	91.4
70	8.77	33.604	8.76	26.064	1.759	0.17	91.5
80	8.74	33.709	8.73	26.149	1.951	0.15	91.4
90	8.61	33.786	8.60	26.230	2.133	0.15	91.3
100	8.52	33.813	8.51	26.266	2.311	0.15	91.3
110	8.24	33.874	8.23	26.356	2.482	0.15	91.3
120	8.09	33.903	8.08	26.401	2.648	0.14	91.3
130	7.91	33.932	7.90	26.450	2.810	0.14	91.4
140	7.82	33.950	7.81	26.478	2.968	0.15	91.4
150	7.74	33.962	7.73	26.499	3.124	0.15	91.4
175	7.51	33.971	7.50	26.539	3.506	0.15	91.4
200	7.22	33.981	7.20	26.588	3.880	0.15	91.5
225	7.06	33.999	7.04	26.626	4.245	0.15	91.5
250	6.88	33.999	6.85	26.651	4.601	0.15	91.5
275	6.76	34.040	6.74	26.698	4.951	0.15	90.6
300	6.58	34.056	6.55	26.736	5.291	0.15	90.0
335	6.15	34.090	6.12	26.818	5.748	0.16	89.7

 STA: 16 FM-6 LAT: 43 13.2 N LONG: 124 45.0 W  
 09 SEP 2000 1025 GMT DEPTH 308

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
1	12.38	33.025	12.38	24.985	0.030	1.53	83.7
10	11.33	33.006	11.33	25.164	0.288	1.69	85.1
20	9.52	33.066	9.52	25.521	0.549	0.64	90.1
30	9.07	33.219	9.07	25.713	0.786	0.33	91.1
40	8.96	33.380	8.96	25.856	1.008	0.26	91.3
50	8.99	33.586	8.98	26.014	1.213	0.20	91.4
60	8.90	33.693	8.90	26.112	1.409	0.17	91.3
70	8.52	33.794	8.51	26.250	1.593	0.16	91.4
80	8.39	33.840	8.39	26.306	1.768	0.15	91.3
90	8.30	33.860	8.29	26.335	1.939	0.15	91.3
100	8.16	33.928	8.15	26.409	2.106	0.17	90.7
110	8.05	33.944	8.04	26.439	2.267	0.16	90.1
120	7.92	33.954	7.91	26.466	2.425	0.16	89.2
130	7.91	33.956	7.90	26.469	2.582	0.16	89.2
140	7.89	33.963	7.88	26.478	2.739	0.16	89.6
150	7.85	33.969	7.84	26.489	2.896	0.15	89.9
175	7.86	33.978	7.85	26.495	3.285	0.17	89.3
200	7.79	33.988	7.77	26.513	3.673	0.16	89.3
225	7.64	34.001	7.61	26.546	4.056	0.16	89.1
250	7.49	34.013	7.46	26.577	4.432	0.21	85.3
275	7.22	34.020	7.19	26.621	4.803	0.15	89.6
300	6.68	34.057	6.65	26.723	5.151	0.15	86.8

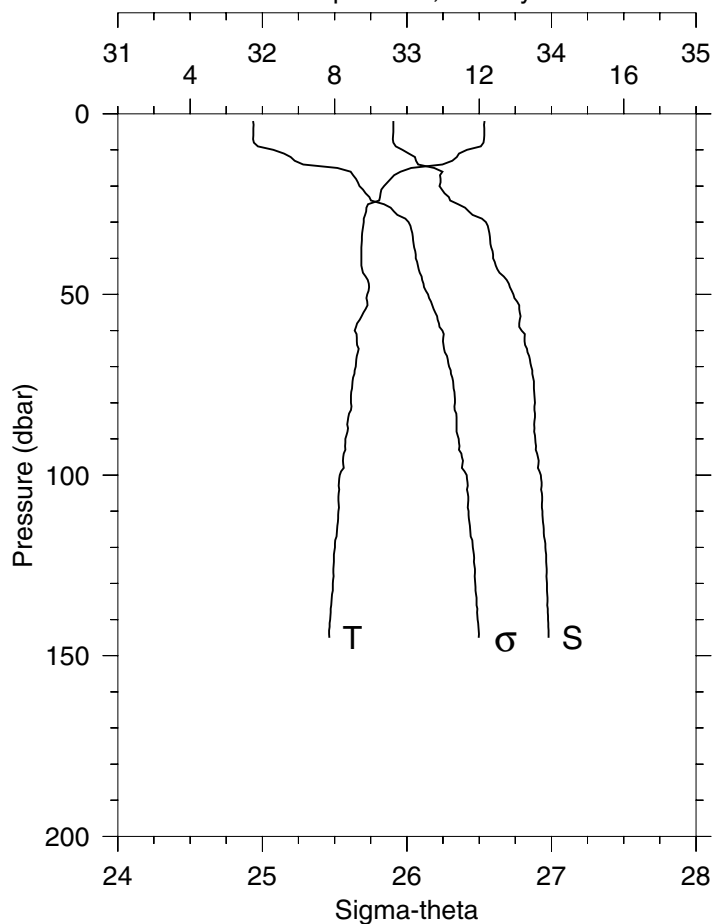
### Station 16 FM-6 Temperature, Salinity



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### Station 17 FM-5 Temperature, Salinity

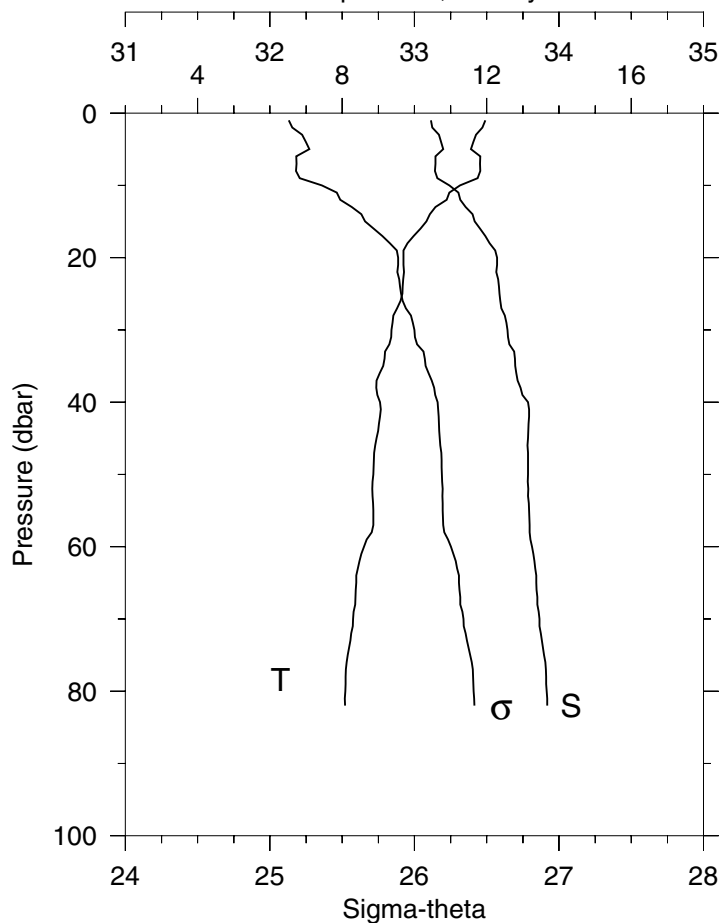
STA: 17 FM-5 LAT: 43 13.1 N LONG: 124 40.0 W  
09 SEP 2000 1132 GMT DEPTH 153



P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
2	12.15	32.907	12.15	24.936	0.060	1.36	84.8
10	11.66	32.969	11.66	25.075	0.300	1.36	84.8
20	9.37	33.225	9.37	25.671	0.554	1.00	88.7
30	8.81	33.546	8.81	26.011	0.770	0.25	91.1
40	8.74	33.597	8.74	26.062	0.967	0.18	91.3
50	8.90	33.737	8.90	26.146	1.158	0.54	89.6
60	8.56	33.794	8.55	26.245	1.340	0.23	90.9
70	8.59	33.860	8.58	26.292	1.516	0.32	89.7
80	8.45	33.885	8.44	26.332	1.687	0.27	89.7
90	8.30	33.888	8.29	26.358	1.856	0.20	90.4
100	8.14	33.927	8.13	26.413	2.021	0.21	89.8
110	8.10	33.937	8.09	26.426	2.183	0.19	89.5
120	8.01	33.958	7.99	26.456	2.343	0.18	89.2
130	7.95	33.969	7.94	26.473	2.501	0.18	89.0
140	7.88	33.976	7.86	26.490	2.657	0.19	86.5
145	7.85	33.980	7.84	26.497	2.735	0.17	84.9

### Station 18 FM-4 Temperature, Salinity

STA: 18 FM-4 LAT: 43 13.1 N LONG: 124 35.0 W  
09 SEP 2000 1332 GMT DEPTH 87

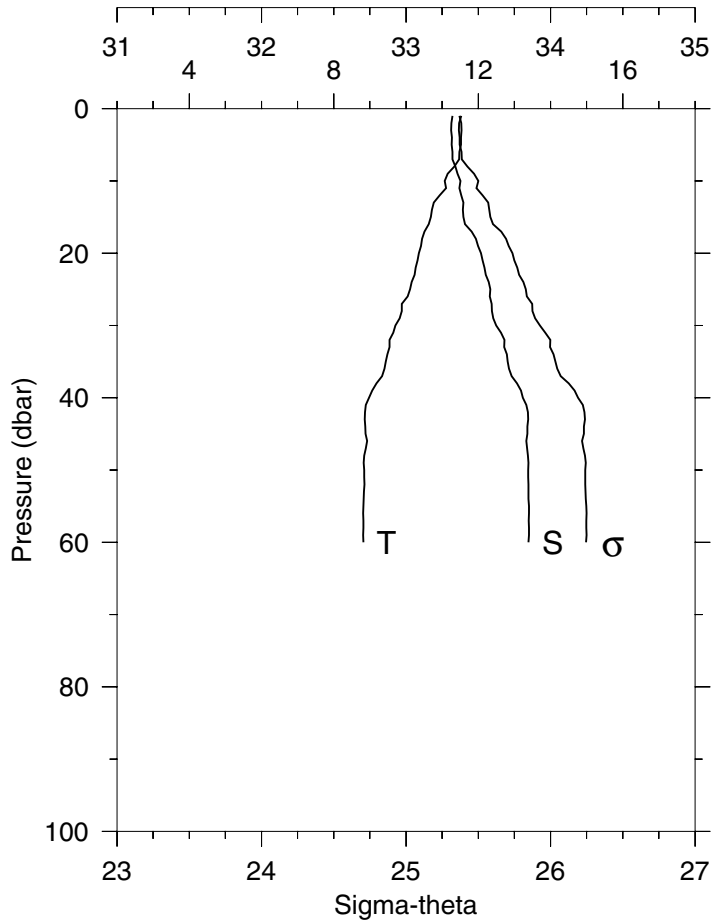


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
1	11.97	33.114	11.97	25.131	0.028	1.07	84.9
10	11.26	33.242	11.26	25.360	0.276	1.11	85.3
20	9.70	33.572	9.70	25.888	0.508	0.85	88.6
30	9.37	33.644	9.36	25.999	0.715	0.72	89.0
40	9.04	33.786	9.04	26.161	0.908	0.38	89.5
50	8.86	33.785	8.86	26.189	1.092	0.30	89.5
60	8.61	33.813	8.60	26.252	1.273	0.30	89.0
70	8.30	33.865	8.29	26.339	1.445	0.20	87.8
80	8.09	33.915	8.08	26.410	1.610	0.20	87.1
82	8.08	33.919	8.07	26.415	1.642	0.27	86.8

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### Station 19 FM-3 Temperature, Salinity

STA: 19 FM-3 LAT: 43 13.1 N LONG: 124 30.0 W  
09 SEP 2000 1519 GMT DEPTH 64

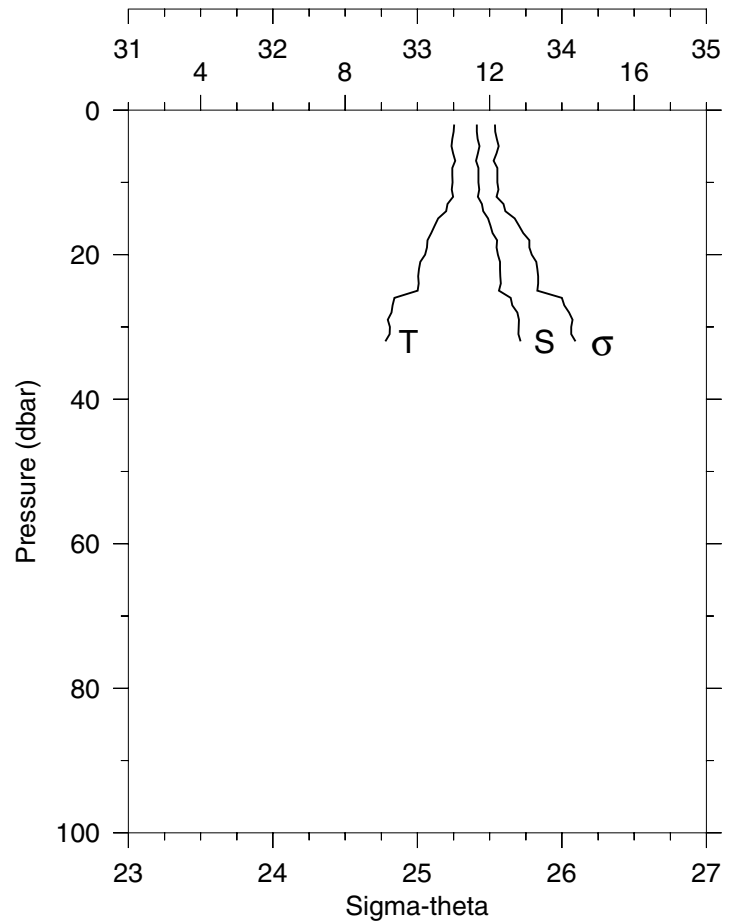


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
1	11.48	33.322	11.48	25.383	0.026	1.40	84.0
10	11.07	33.377	11.07	25.500	0.257	1.64	85.2
20	10.35	33.519	10.35	25.736	0.495	0.87	87.6
30	9.71	33.624	9.70	25.927	0.712	0.81	88.4
40	8.97	33.809	8.97	26.191	0.908	0.35	89.1
50	8.84	33.845	8.84	26.240	1.086	0.31	88.3
60	8.82	33.848	8.81	26.246	1.264	0.35	77.3

STA: 20 FM-1 LAT: 43 13.1 N LONG: 124 26.1 W  
09 SEP 2000 1657 GMT DEPTH 36

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
2	11.02	33.411	11.02	25.536	0.049	0.89	82.4
10	10.97	33.423	10.97	25.553	0.243	1.37	81.5
20	10.21	33.557	10.21	25.791	0.475	1.39	80.7
30	9.24	33.701	9.23	26.064	0.683	1.09	78.8
32	9.12	33.714	9.11	26.094	0.721	0.73	70.3

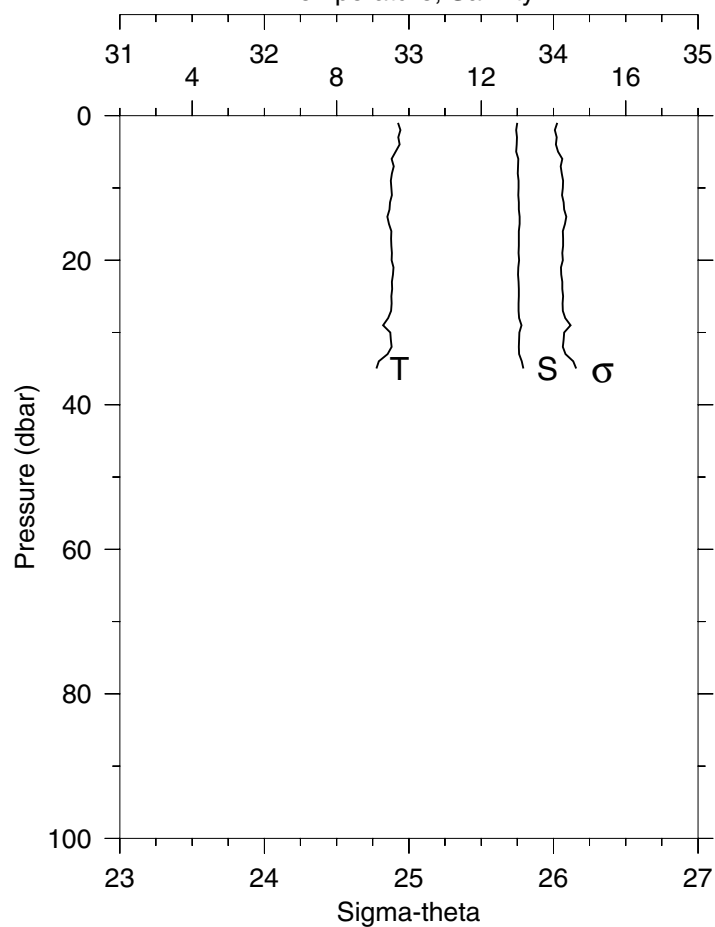
### Station 20 FM-1 Temperature, Salinity



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### Station 21 CR-1 Temperature, Salinity

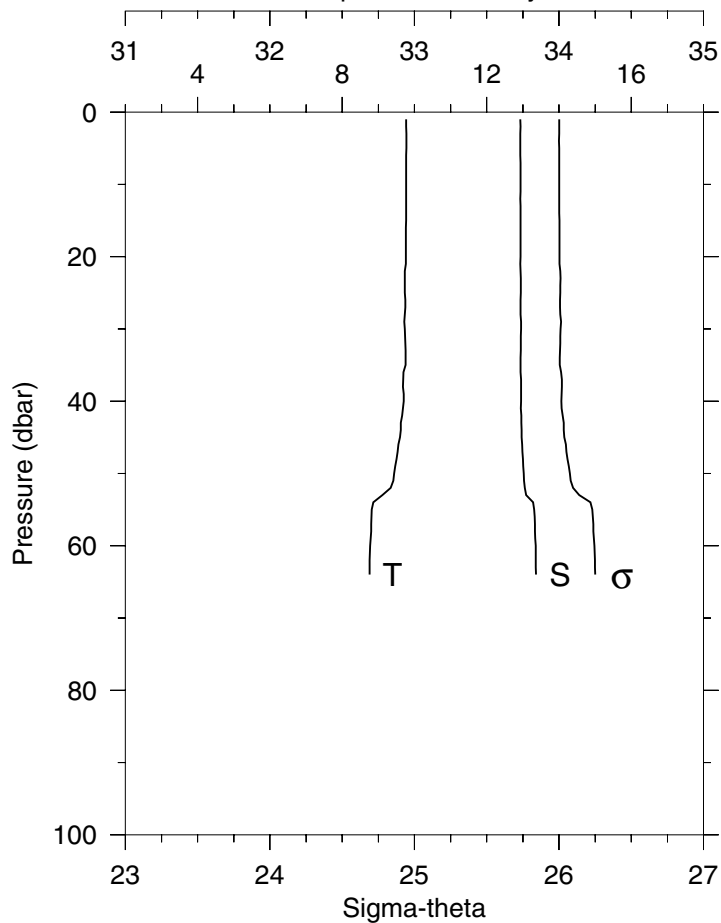
STA: 21 CR-1 LAT: 41 54.0 N LONG: 124 17.8 W  
10 SEP 2000 0007 GMT DEPTH 41



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	9.70	33.750	9.70	26.026	0.020	0.18	89.4
10	9.51	33.759	9.51	26.065	0.196	0.20	89.4
20	9.52	33.762	9.52	26.065	0.389	0.20	89.5
30	9.48	33.764	9.48	26.074	0.583	0.27	89.3
35	9.10	33.791	9.10	26.157	0.679	0.31	84.1

### Station 22 CR-2 Temperature, Salinity

STA: 22 CR-2 LAT: 41 54.1 N LONG: 124 23.9 W  
10 SEP 2000 0124 GMT DEPTH 68



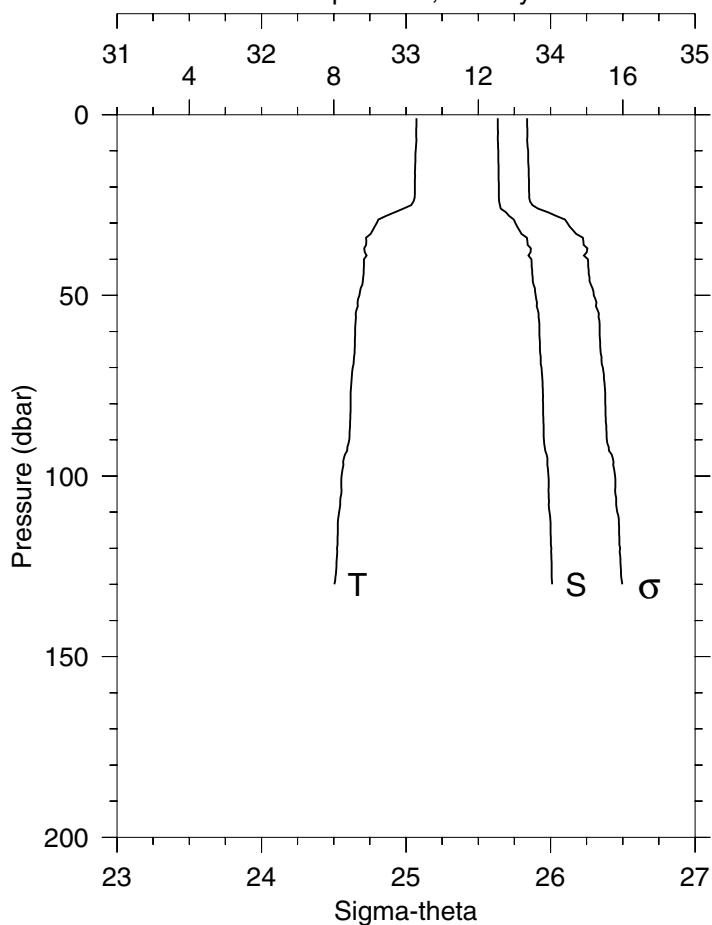
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	9.77	33.733	9.77	26.001	0.020	0.24	89.7
10	9.77	33.734	9.77	26.002	0.200	0.22	89.8
20	9.76	33.734	9.76	26.004	0.399	0.29	89.8
30	9.73	33.737	9.73	26.011	0.599	0.21	89.9
40	9.70	33.737	9.70	26.016	0.798	0.24	89.9
50	9.44	33.757	9.43	26.076	0.995	0.25	89.2
60	8.78	33.839	8.77	26.245	1.178	0.22	85.4
64	8.76	33.841	8.75	26.250	1.249	0.22	82.0



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### Station 23 CR-3

Temperature, Salinity

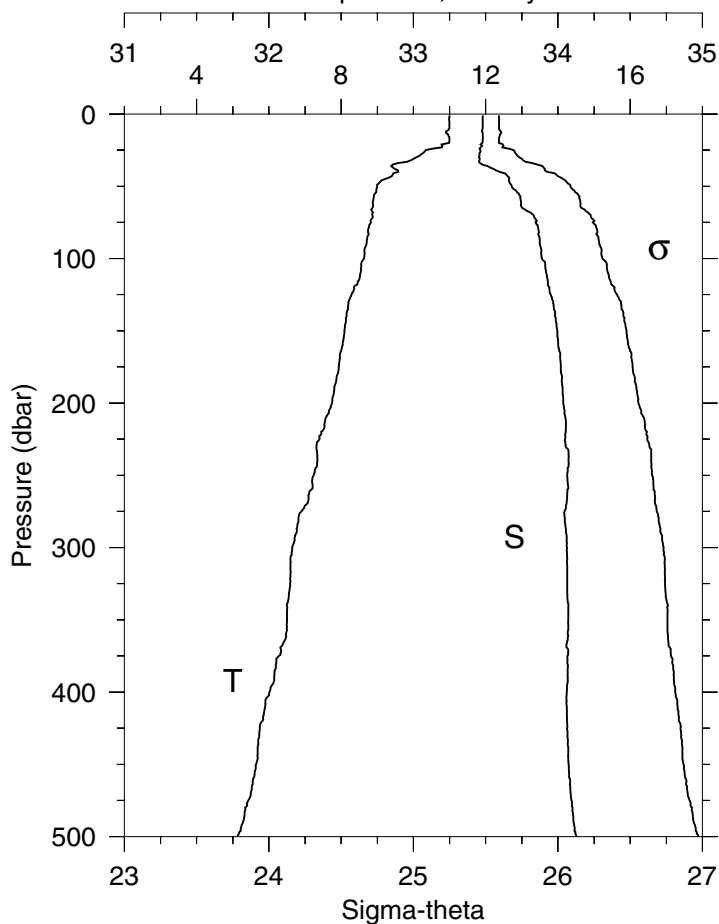


STA: 23 CR-3 LAT: 41 54.0 N LONG: 124 30.0 W  
10 SEP 2000 0312 GMT DEPTH 139

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	10.28	33.635	10.28	25.838	0.022	0.46	89.0
10	10.26	33.638	10.26	25.845	0.215	0.44	88.9
20	10.24	33.642	10.24	25.851	0.429	0.44	89.0
30	9.19	33.757	9.18	26.116	0.636	0.38	90.4
40	8.83	33.868	8.83	26.259	0.817	0.22	90.3
50	8.71	33.896	8.70	26.300	0.992	0.19	89.4
60	8.59	33.923	8.59	26.340	1.161	0.20	88.8
70	8.52	33.938	8.52	26.362	1.329	0.19	88.6
80	8.47	33.948	8.46	26.379	1.495	0.19	88.2
90	8.43	33.954	8.42	26.390	1.660	0.18	88.0
100	8.21	33.985	8.20	26.447	1.821	0.18	87.3
110	8.15	33.993	8.14	26.462	1.980	0.19	87.0
120	8.09	34.005	8.08	26.481	2.137	0.17	88.0
130	8.01	34.011	8.00	26.497	2.293	0.20	87.4

### Station 24 CR-4

Temperature, Salinity



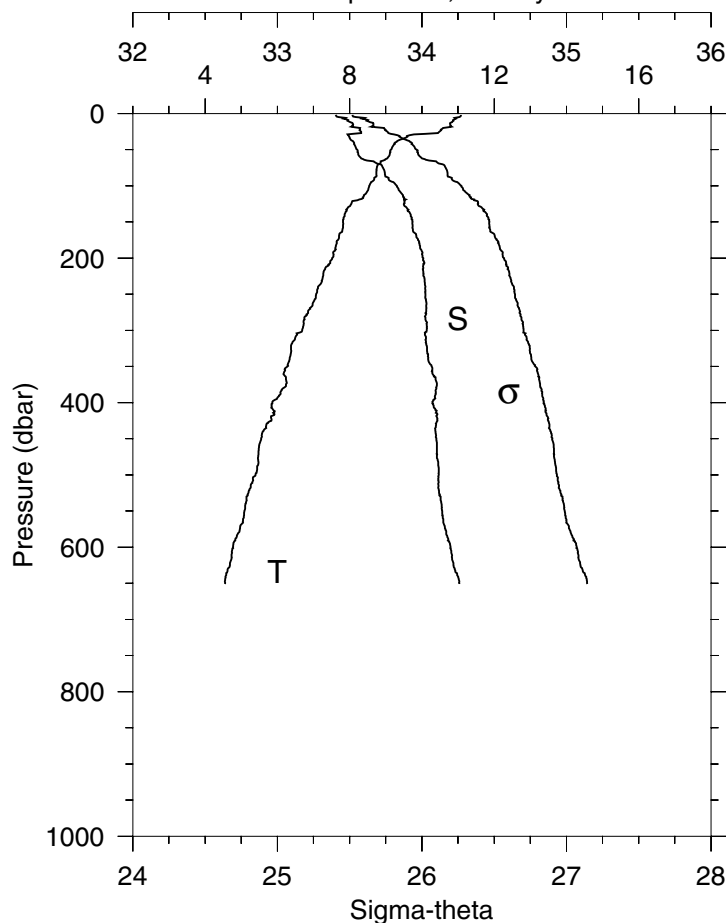
STA: 24 CR-4 LAT: 41 54.0 N LONG: 124 36.1 W  
10 SEP 2000 0509 GMT DEPTH 508

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	11.00	33.481	11.00	25.593	0.024	0.68	88.2
10	11.00	33.480	10.99	25.593	0.238	0.70	88.2
20	10.99	33.478	10.99	25.593	0.477	0.84	88.2
30	10.08	33.454	10.08	25.732	0.708	0.52	89.7
40	9.58	33.596	9.58	25.926	0.924	0.34	90.5
50	8.99	33.680	8.99	26.086	1.121	0.21	91.1
60	8.89	33.744	8.88	26.154	1.310	0.20	91.0
70	8.86	33.832	8.85	26.227	1.494	0.20	91.0
80	8.75	33.865	8.74	26.271	1.672	0.20	91.0
90	8.70	33.875	8.69	26.286	1.847	0.19	91.0
100	8.63	33.889	8.62	26.308	2.020	0.19	91.0
110	8.54	33.919	8.52	26.346	2.190	0.18	90.9
120	8.35	33.941	8.34	26.392	2.357	0.18	90.7
130	8.20	33.969	8.19	26.437	2.520	0.17	90.7
140	8.15	33.980	8.13	26.453	2.680	0.17	90.7
150	8.09	33.997	8.07	26.476	2.838	0.17	90.7
175	7.93	34.021	7.92	26.517	3.227	0.17	90.7
200	7.74	34.037	7.73	26.558	3.607	0.16	90.8
225	7.40	34.050	7.38	26.618	3.974	0.16	91.0
250	7.24	34.064	7.21	26.652	4.331	0.16	90.9
275	6.90	34.046	6.88	26.684	4.682	0.16	91.4
300	6.64	34.063	6.61	26.733	5.024	0.16	91.1
350	6.50	34.071	6.47	26.758	5.693	0.16	90.9
400	6.02	34.060	5.98	26.812	6.347	0.15	90.3
450	5.65	34.074	5.61	26.869	6.972	0.15	89.4
500	5.14	34.127	5.10	26.973	7.567	0.16	86.3

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### Station 25 CR-5 Temperature, Salinity

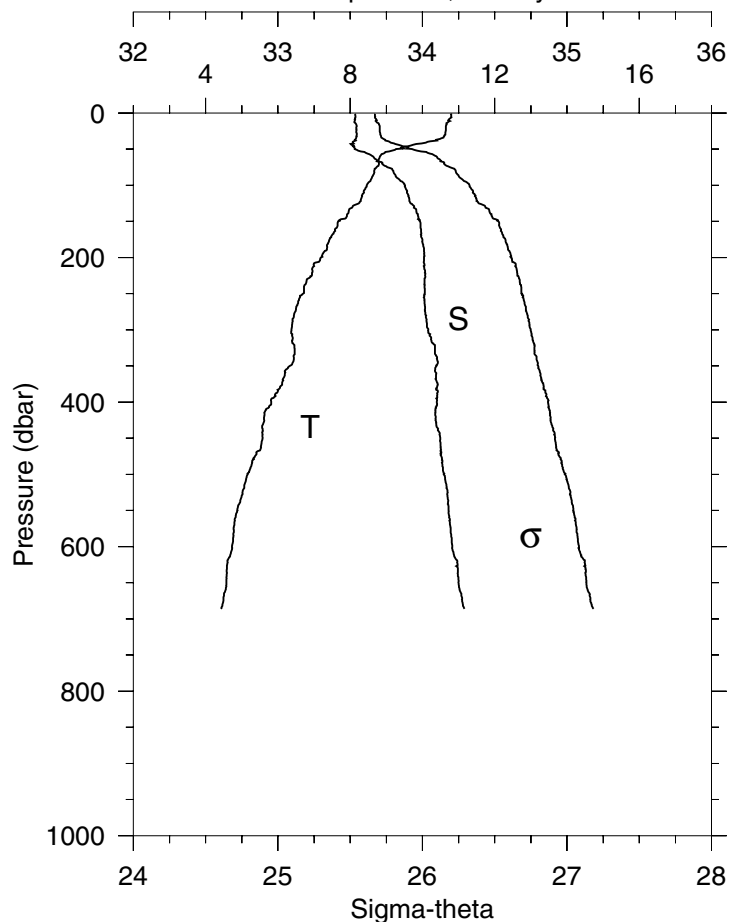
STA: 25 CR-5 LAT: 41 54.0 N LONG: 124 42.0 W  
10 SEP 2000 0746 GMT DEPTH 660



P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
2	11.08	33.403	11.08	25.518	0.049	0.81	88.0
10	10.87	33.485	10.87	25.619	0.241	0.66	88.5
20	10.58	33.573	10.58	25.738	0.474	0.55	89.0
30	9.66	33.490	9.66	25.830	0.696	0.39	90.7
40	9.27	33.530	9.26	25.926	0.908	0.28	90.4
50	9.14	33.551	9.14	25.963	1.114	0.25	91.1
60	9.07	33.571	9.06	25.989	1.318	0.22	91.2
70	8.80	33.711	8.79	26.142	1.513	0.17	91.3
80	8.74	33.741	8.73	26.175	1.699	0.16	91.4
90	8.68	33.769	8.67	26.207	1.883	0.15	91.4
100	8.54	33.826	8.53	26.273	2.061	0.14	91.5
110	8.46	33.857	8.45	26.310	2.236	0.15	91.4
120	8.21	33.877	8.20	26.362	2.406	0.14	91.5
130	7.95	33.893	7.94	26.414	2.571	0.15	91.6
140	7.86	33.923	7.84	26.451	2.732	0.14	91.6
150	7.82	33.935	7.80	26.467	2.890	0.14	91.6
175	7.67	33.972	7.66	26.517	3.282	0.14	91.5
200	7.52	34.010	7.50	26.569	3.660	0.15	91.5
225	7.26	34.012	7.24	26.608	4.028	0.15	91.5
250	7.07	34.024	7.05	26.644	4.388	0.15	91.5
275	6.85	34.027	6.83	26.676	4.741	0.15	91.6
300	6.69	34.034	6.66	26.704	5.087	0.15	91.5
350	6.28	34.067	6.25	26.784	5.757	0.16	91.4
400	5.86	34.074	5.82	26.843	6.393	0.15	91.3
450	5.55	34.100	5.51	26.902	7.005	0.15	91.5
500	5.39	34.116	5.35	26.934	7.598	0.15	91.5
600	4.77	34.198	4.72	27.071	8.718	0.15	90.9
651	4.55	34.258	4.50	27.144	9.236	0.16	87.7

### Station 26 CR-6 Temperature, Salinity

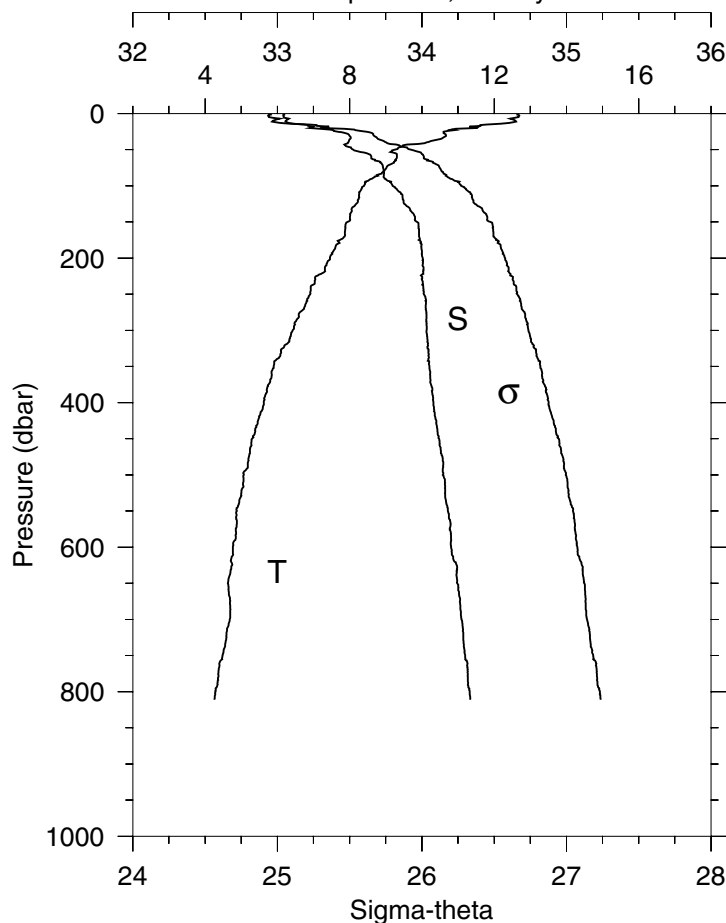
STA: 26 CR-6 LAT: 41 54.0 N LONG: 124 48.0 W  
10 SEP 2000 0910 GMT DEPTH 698



P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
1	10.78	33.533	10.78	25.674	0.023	0.63	88.9
10	10.71	33.533	10.71	25.685	0.231	0.55	89.0
20	10.65	33.543	10.65	25.704	0.460	0.55	89.0
30	10.63	33.545	10.63	25.708	0.688	0.53	89.0
40	10.14	33.519	10.13	25.773	0.914	0.45	90.0
50	9.27	33.532	9.26	25.928	1.129	0.31	91.1
60	8.82	33.657	8.82	26.096	1.327	0.17	91.3
70	8.80	33.721	8.79	26.150	1.517	0.17	91.3
80	8.67	33.798	8.66	26.231	1.700	0.16	91.3
90	8.60	33.826	8.59	26.264	1.878	0.16	91.3
100	8.45	33.879	8.44	26.327	2.051	0.16	91.2
110	8.39	33.893	8.37	26.349	2.221	0.15	91.3
120	8.30	33.910	8.29	26.375	2.388	0.16	91.3
130	8.07	33.942	8.06	26.435	2.552	0.15	91.3
140	7.92	33.968	7.91	26.478	2.710	0.15	91.4
150	7.67	33.984	7.66	26.526	2.866	0.15	91.4
175	7.43	33.999	7.41	26.573	3.242	0.15	91.4
200	7.19	34.010	7.17	26.616	3.608	0.15	91.5
225	6.94	34.019	6.92	26.657	3.964	0.15	91.6
250	6.70	34.014	6.68	26.685	4.311	0.15	91.6
275	6.48	34.019	6.45	26.719	4.653	0.15	91.6
300	6.38	34.040	6.35	26.749	4.988	0.15	91.5
350	6.33	34.097	6.30	26.800	5.643	0.16	91.4
400	5.81	34.100	5.78	26.869	6.271	0.15	91.4
450	5.58	34.123	5.54	26.917	6.874	0.15	91.5
500	5.16	34.148	5.12	26.986	7.453	0.16	91.5
600	4.73	34.207	4.69	27.082	8.523	0.15	91.3
686	4.42	34.292	4.37	27.184	9.375	0.16	90.4

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### Station 27 CR-7 Temperature, Salinity

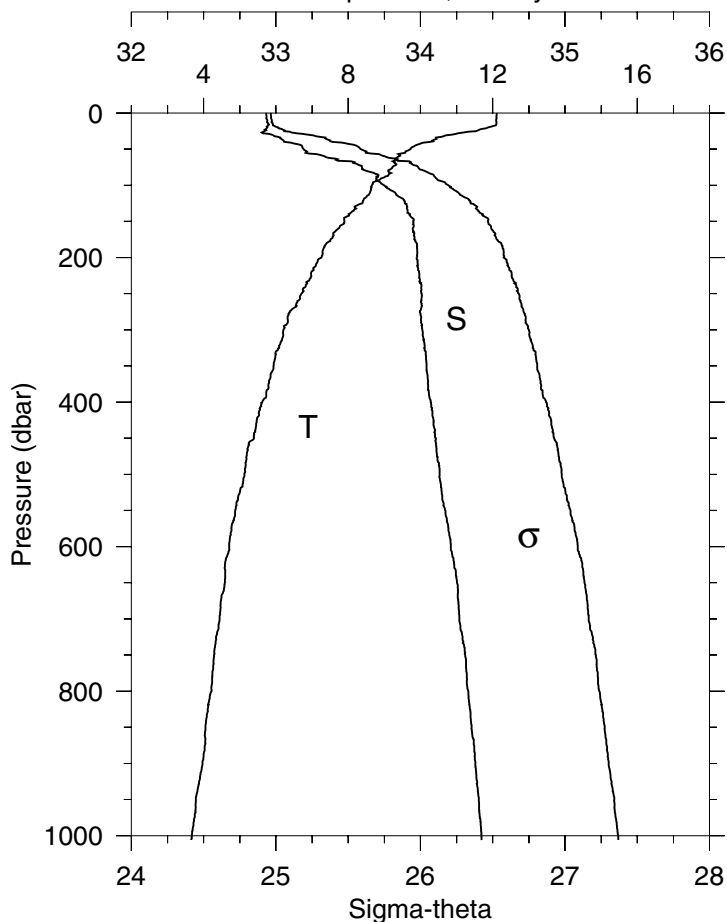
 STA: 27 CR-7 LAT: 41 54.0 N LONG: 125 0.1 W  
 10 SEP 2000 1240 GMT DEPTH 837


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
1	12.61	33.054	12.61	24.962	0.030	0.94	87.1
10	12.59	33.057	12.59	24.968	0.298	1.02	87.1
20	11.52	33.224	11.52	25.300	0.578	1.15	87.8
30	10.67	33.497	10.66	25.665	0.818	0.58	88.9
40	10.12	33.489	10.12	25.753	1.047	0.54	89.8
50	9.26	33.525	9.25	25.923	1.262	0.33	91.0
60	9.30	33.650	9.30	26.014	1.464	0.31	91.0
70	9.14	33.723	9.13	26.098	1.660	0.23	91.0
80	8.95	33.736	8.94	26.137	1.850	0.21	91.1
90	8.62	33.742	8.61	26.195	2.035	0.17	91.3
100	8.40	33.798	8.39	26.272	2.214	0.15	91.4
110	8.27	33.854	8.26	26.336	2.386	0.15	91.4
120	8.23	33.873	8.21	26.357	2.555	0.15	91.4
130	8.08	33.909	8.06	26.407	2.722	0.15	91.4
140	8.02	33.945	8.00	26.445	2.883	0.15	91.4
150	7.94	33.965	7.93	26.472	3.042	0.15	91.4
175	7.73	33.978	7.71	26.514	3.431	0.15	91.4
200	7.45	34.005	7.44	26.575	3.808	0.15	91.4
225	7.07	33.998	7.05	26.624	4.175	0.15	91.5
250	6.91	34.014	6.88	26.658	4.531	0.16	91.6
275	6.62	34.031	6.59	26.710	4.878	0.15	91.6
300	6.42	34.032	6.40	26.737	5.216	0.15	91.5
350	5.90	34.051	5.87	26.819	5.868	0.15	91.5
400	5.62	34.079	5.59	26.876	6.489	0.15	91.5
450	5.30	34.119	5.26	26.947	7.083	0.15	91.5
500	5.07	34.145	5.03	26.994	7.649	0.15	91.5
600	4.77	34.202	4.72	27.075	8.723	0.15	91.3
800	4.28	34.330	4.22	27.230	10.682	0.15	91.2
811	4.26	34.335	4.20	27.237	10.781	0.15	91.2

### Station 28 CR-8 Temperature, Salinity

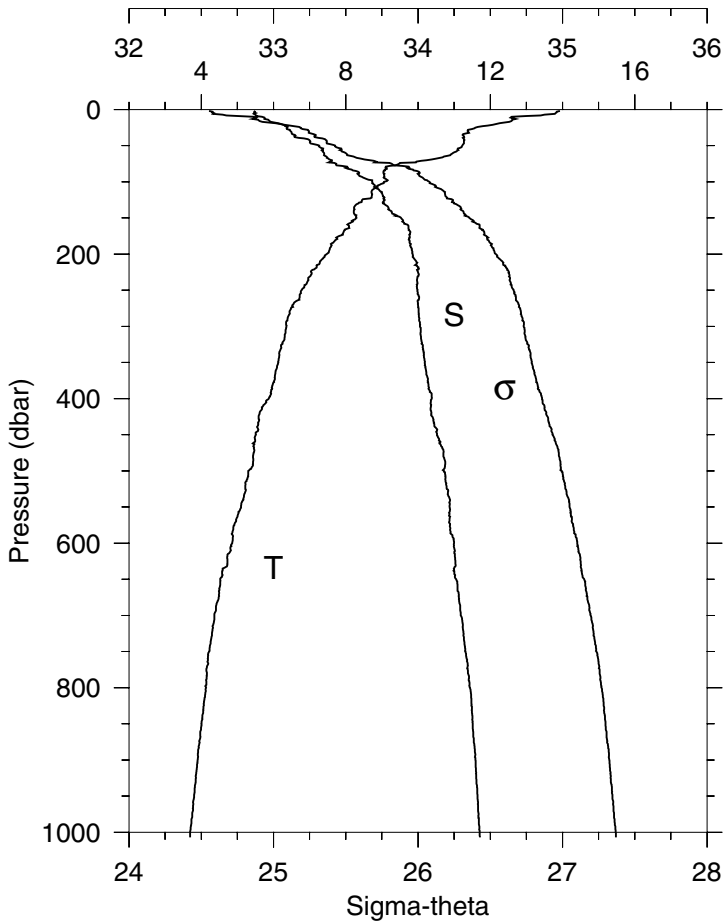
 STA: 28 CR-8 LAT: 41 54.0 N LONG: 125 12.1 W  
 10 SEP 2000 1426 GMT DEPTH 2718

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
0	12.10	32.937	12.10	24.968	0.000	0.81	87.9
10	12.09	32.940	12.09	24.973	0.298	0.79	88.2
20	11.87	32.941	11.86	25.016	0.595	0.82	88.6
30	10.87	32.973	10.86	25.222	0.882	0.89	89.0
40	10.28	33.057	10.27	25.389	1.146	0.88	89.2
50	9.72	33.191	9.72	25.586	1.391	0.48	90.6
60	9.41	33.337	9.40	25.753	1.624	0.26	91.3
70	9.32	33.557	9.31	25.940	1.839	0.24	91.2
80	9.10	33.628	9.10	26.030	2.042	0.19	91.3
90	8.94	33.693	8.93	26.107	2.237	0.18	91.3
100	8.66	33.749	8.65	26.194	2.424	0.16	91.4
110	8.60	33.825	8.59	26.262	2.604	0.16	91.3
120	8.42	33.885	8.41	26.337	2.778	0.15	91.3
130	8.18	33.910	8.17	26.393	2.946	0.15	91.4
140	8.01	33.928	8.00	26.432	3.110	0.15	91.4
150	7.90	33.951	7.88	26.467	3.269	0.15	91.4
175	7.51	33.957	7.50	26.528	3.657	0.15	91.5
200	7.26	33.974	7.25	26.576	4.030	0.15	91.4
225	6.98	33.992	6.96	26.631	4.393	0.16	91.4
250	6.71	34.009	6.69	26.681	4.745	0.15	91.5
275	6.39	33.997	6.36	26.714	5.089	0.15	91.5
300	6.21	34.013	6.18	26.750	5.425	0.16	91.4
350	5.94	34.043	5.91	26.808	6.076	0.16	91.4
400	5.62	34.070	5.59	26.869	6.703	0.15	91.5
450	5.39	34.106	5.35	26.926	7.302	0.15	91.5
500	5.13	34.133	5.09	26.978	7.874	0.15	91.5
600	4.71	34.211	4.66	27.088	8.951	0.15	91.3
800	4.22	34.330	4.16	27.237	10.869	0.15	91.4
1000	3.67	34.423	3.60	27.367	12.555	0.15	91.3
1006	3.66	34.424	3.59	27.369	12.602	0.14	91.4



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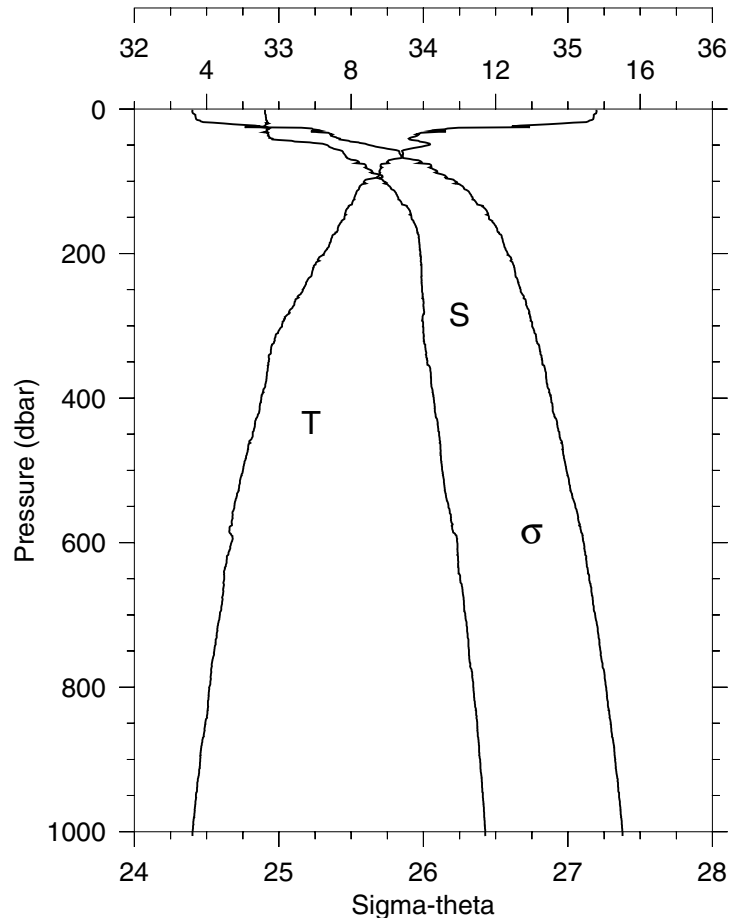
### Station 29 CR-9 Temperature, Salinity



STA: 29 CR-9 LAT: 41 54.0 N LONG: 125 24.0 W  
10 SEP 2000 1610 GMT DEPTH 3098

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.92	32.863	13.92	24.553	0.067	0.68	89.5
10	12.59	32.921	12.59	24.864	0.331	0.76	88.0
20	12.16	33.051	12.16	25.047	0.634	1.04	87.9
30	11.37	33.119	11.37	25.245	0.913	0.86	88.9
40	11.26	33.210	11.25	25.337	1.182	0.76	89.4
50	11.22	33.316	11.22	25.426	1.442	0.64	89.0
60	10.97	33.349	10.97	25.497	1.695	0.67	89.3
70	10.23	33.404	10.23	25.668	1.938	0.56	89.9
80	9.10	33.513	9.09	25.939	2.158	0.25	91.2
90	9.06	33.587	9.05	26.004	2.362	0.20	91.3
100	9.05	33.683	9.04	26.080	2.560	0.21	91.2
110	8.77	33.726	8.75	26.159	2.751	0.18	91.2
120	8.72	33.756	8.71	26.190	2.935	0.17	91.2
130	8.35	33.758	8.33	26.249	3.116	0.14	91.4
140	8.22	33.810	8.20	26.309	3.291	0.15	91.4
150	8.29	33.883	8.28	26.355	3.462	0.15	91.4
175	7.82	33.941	7.80	26.472	3.868	0.15	91.5
200	7.47	33.963	7.45	26.539	4.256	0.15	91.5
225	7.04	34.000	7.02	26.629	4.624	0.15	91.5
250	6.78	33.996	6.75	26.661	4.981	0.15	91.5
275	6.48	34.003	6.46	26.706	5.328	0.15	91.4
300	6.36	34.014	6.33	26.731	5.667	0.15	91.4
350	6.13	34.047	6.10	26.787	6.328	0.15	91.5
400	5.86	34.095	5.83	26.859	6.963	0.15	91.5
450	5.51	34.132	5.48	26.931	7.565	0.15	91.4
500	5.30	34.179	5.26	26.995	8.134	0.15	91.3
600	4.85	34.249	4.81	27.102	9.200	0.15	91.2
800	4.13	34.360	4.07	27.270	11.078	0.15	91.2
1000	3.69	34.426	3.62	27.368	12.731	0.15	91.2
1007	3.69	34.428	3.62	27.370	12.786	0.15	91.2

### Station 30 CR-10 Temperature, Salinity

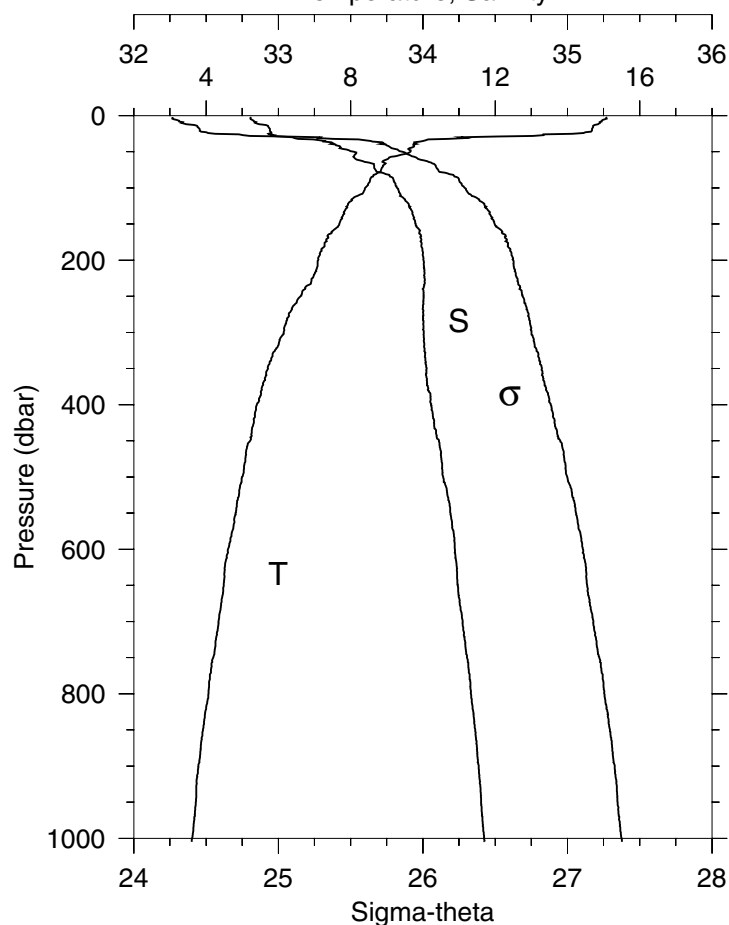


STA: 30 CR-10 LAT: 41 54.0 N LONG: 125 40.0 W  
10 SEP 2000 1822 GMT DEPTH 2930

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	14.79	32.904	14.78	24.404	0.035	0.23	90.2
10	14.71	32.910	14.71	24.423	0.351	0.34	90.2
20	13.84	32.927	13.83	24.620	0.698	0.43	89.7
30	10.23	32.915	10.22	25.287	0.996	1.01	88.3
40	9.63	32.933	9.62	25.401	1.259	0.62	90.1
50	10.15	33.334	10.15	25.626	1.506	0.77	89.8
60	9.42	33.445	9.42	25.834	1.731	0.30	91.0
70	9.10	33.500	9.10	25.929	1.945	0.23	91.3
80	8.81	33.605	8.81	26.056	2.146	0.18	91.4
90	8.80	33.685	8.79	26.122	2.340	0.16	91.4
100	8.36	33.727	8.35	26.222	2.525	0.15	91.5
110	8.22	33.774	8.21	26.280	2.703	0.14	91.5
120	8.11	33.819	8.10	26.332	2.875	0.14	91.6
130	8.03	33.849	8.02	26.367	3.044	0.14	91.6
140	7.86	33.904	7.85	26.436	3.207	0.14	91.5
150	7.82	33.917	7.80	26.453	3.367	0.14	91.5
175	7.48	33.967	7.47	26.540	3.755	0.15	91.4
200	7.24	33.978	7.22	26.583	4.130	0.15	91.3
225	6.92	33.987	6.90	26.635	4.492	0.15	91.3
250	6.66	33.991	6.63	26.674	4.845	0.15	91.4
275	6.37	34.002	6.35	26.720	5.189	0.15	91.4
300	6.09	33.998	6.06	26.753	5.523	0.15	91.4
350	5.72	34.027	5.69	26.823	6.167	0.15	91.5
400	5.51	34.072	5.48	26.883	6.784	0.15	91.4
450	5.27	34.109	5.24	26.941	7.377	0.15	91.3
500	5.01	34.130	4.97	26.990	7.945	0.15	91.4
600	4.69	34.235	4.64	27.109	9.006	0.15	91.4
800	4.07	34.345	4.01	27.264	10.889	0.15	91.4
1000	3.61	34.428	3.54	27.378	12.534	0.15	91.4
1006	3.61	34.429	3.53	27.379	12.580	0.15	91.4

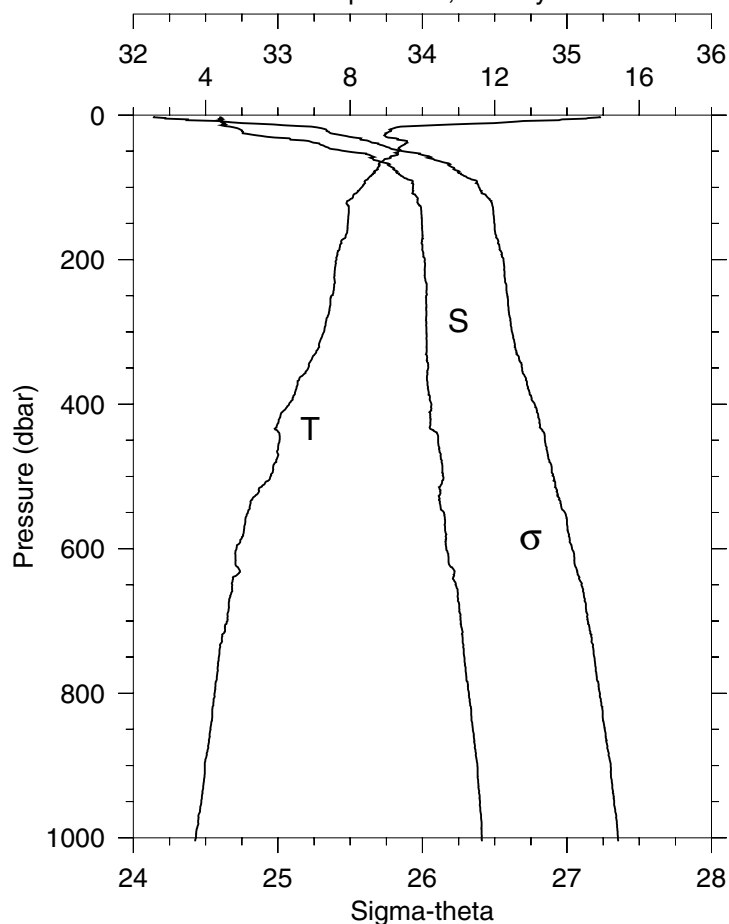
W0009A

# Station 31 CR-11 Temperature, Salinity

 STA: 31 CR-11 LAT: 41 54.0 N LONG: 126 0.1 W  
 10 SEP 2000 2041 GMT DEPTH 3323


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
2	15.06	32.804	15.06	24.267	0.073	0.27	90.0
10	14.90	32.840	14.90	24.328	0.363	0.33	89.8
20	14.68	32.941	14.68	24.456	0.713	0.39	90.0
30	11.05	33.098	11.04	25.288	1.040	1.11	87.1
40	9.73	33.395	9.73	25.744	1.281	0.80	89.6
50	9.65	33.520	9.65	25.856	1.501	0.62	90.0
60	9.04	33.533	9.03	25.965	1.710	0.21	91.3
70	8.89	33.662	8.88	26.089	1.906	0.17	91.3
80	8.72	33.735	8.71	26.174	2.097	0.16	90.9
90	8.53	33.798	8.52	26.251	2.277	0.16	91.3
100	8.40	33.821	8.39	26.290	2.453	0.15	91.3
110	8.23	33.846	8.22	26.335	2.625	0.15	91.3
120	7.96	33.892	7.95	26.412	2.791	0.14	91.4
130	7.86	33.917	7.84	26.446	2.952	0.17	91.4
140	7.76	33.936	7.75	26.475	3.111	0.15	91.4
150	7.69	33.950	7.67	26.497	3.267	0.15	91.4
175	7.30	33.987	7.28	26.582	3.643	0.15	91.3
200	7.10	34.003	7.08	26.623	4.006	0.15	91.2
225	6.93	34.012	6.91	26.653	4.363	0.15	91.3
250	6.62	34.006	6.59	26.691	4.712	0.15	91.3
275	6.29	34.002	6.26	26.731	5.052	0.15	91.4
300	6.15	34.005	6.12	26.752	5.386	0.14	91.5
350	5.71	34.026	5.68	26.823	6.032	0.14	91.5
400	5.41	34.056	5.37	26.884	6.652	0.15	91.4
450	5.22	34.111	5.18	26.950	7.243	0.15	91.4
500	4.99	34.140	4.95	26.999	7.805	0.15	91.4
600	4.60	34.221	4.56	27.107	8.859	0.15	91.4
800	4.06	34.332	4.01	27.255	10.757	0.15	91.4
1000	3.61	34.424	3.54	27.374	12.408	0.15	91.4
1005	3.60	34.426	3.53	27.377	12.447	0.15	91.4

# Station 32 RR-7 Temperature, Salinity

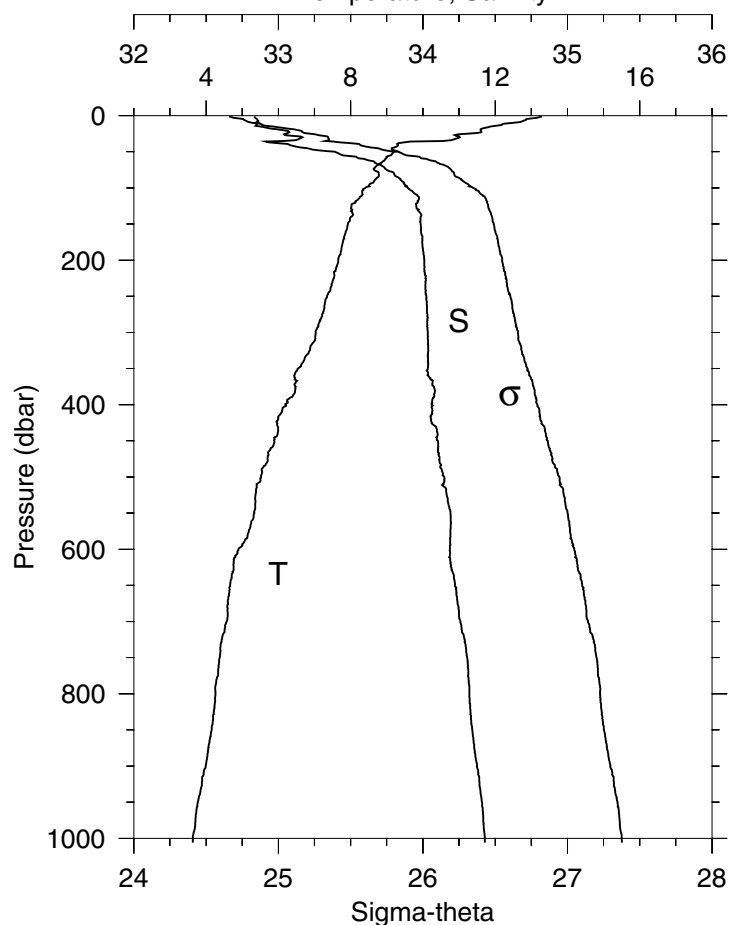
 STA: 32 RR-7 LAT: 42 30.0 N LONG: 125 12.1 W  
 11 SEP 2000 0215 GMT DEPTH 2978


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
2	14.91	32.601	14.91	24.143	0.075	0.61	87.1
10	12.31	32.613	12.31	24.678	0.359	0.74	87.6
20	9.10	32.740	9.10	25.334	0.646	0.62	89.3
30	8.99	32.920	8.98	25.493	0.904	0.32	90.5
40	9.53	33.287	9.52	25.694	1.142	0.38	90.4
50	9.35	33.465	9.35	25.861	1.365	0.36	90.4
60	9.09	33.653	9.08	26.051	1.566	0.24	90.7
70	8.81	33.769	8.80	26.186	1.754	0.19	90.7
80	8.68	33.822	8.67	26.248	1.934	0.16	90.7
90	8.43	33.921	8.42	26.363	2.107	0.15	90.5
100	8.32	33.934	8.31	26.391	2.272	0.16	89.7
110	8.10	33.950	8.09	26.437	2.435	0.15	89.5
120	7.91	33.964	7.90	26.475	2.594	0.15	89.0
130	7.97	33.991	7.95	26.488	2.750	0.15	90.0
140	7.95	33.995	7.94	26.494	2.905	0.15	90.0
150	7.93	33.997	7.92	26.498	3.060	0.15	90.0
175	7.75	33.998	7.73	26.526	3.447	0.15	89.2
200	7.62	34.017	7.60	26.561	3.826	0.15	89.2
225	7.56	34.017	7.54	26.570	4.200	0.15	89.2
250	7.48	34.025	7.46	26.587	4.572	0.15	89.8
275	7.41	34.027	7.38	26.599	4.941	0.15	89.8
300	7.28	34.028	7.25	26.619	5.307	0.16	90.0
350	6.84	34.040	6.81	26.689	6.023	0.15	90.3
400	6.31	34.062	6.27	26.777	6.703	0.16	90.6
450	6.04	34.108	6.01	26.847	7.345	0.15	90.8
500	5.80	34.143	5.75	26.907	7.961	0.16	91.0
600	4.85	34.164	4.81	27.035	9.100	0.15	90.9
800	4.25	34.321	4.19	27.227	11.076	0.15	90.8
1000	3.73	34.410	3.66	27.352	12.783	0.15	90.9
1005	3.71	34.412	3.64	27.355	12.824	0.15	90.9

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### Station 33 RR-6 Temperature, Salinity

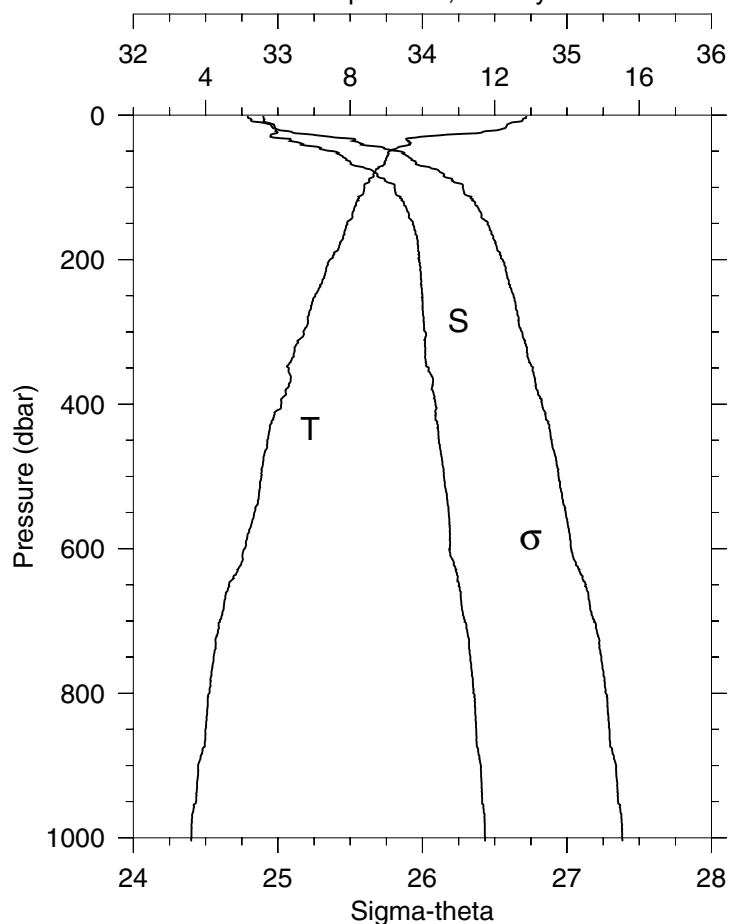
STA: 33 RR-6 LAT: 42 30.0 N LONG: 125 0.2 W  
11 SEP 2000 0412 GMT DEPTH 1678



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	13.29	32.835	13.29	24.659	0.033	1.16	84.1
10	12.49	32.838	12.49	24.819	0.320	1.09	84.5
20	11.60	33.028	11.60	25.133	0.618	1.48	85.2
30	11.02	33.166	11.02	25.345	0.891	1.00	88.4
40	9.30	33.072	9.30	25.562	1.148	0.43	90.5
50	9.21	33.390	9.20	25.826	1.380	0.28	91.1
60	8.96	33.595	8.95	26.026	1.589	0.18	91.3
70	8.70	33.723	8.69	26.167	1.780	0.16	91.3
80	8.78	33.801	8.77	26.216	1.963	0.17	91.0
90	8.65	33.852	8.65	26.275	2.142	0.16	90.9
100	8.40	33.897	8.40	26.348	2.314	0.15	90.1
110	8.32	33.962	8.31	26.413	2.479	0.16	90.0
120	8.13	33.964	8.12	26.443	2.640	0.16	88.8
130	8.05	33.970	8.03	26.460	2.799	0.15	88.6
140	8.01	33.984	7.99	26.478	2.957	0.16	89.2
150	7.93	33.984	7.91	26.489	3.113	0.15	90.0
175	7.78	33.994	7.77	26.518	3.500	0.15	90.1
200	7.65	34.009	7.63	26.549	3.880	0.15	90.1
225	7.54	34.017	7.52	26.572	4.256	0.15	89.7
250	7.34	34.024	7.32	26.605	4.626	0.15	90.5
275	7.21	34.032	7.19	26.630	4.989	0.15	90.6
300	7.03	34.034	7.01	26.657	5.348	0.15	90.4
350	6.54	34.033	6.51	26.723	6.046	0.15	90.7
400	6.19	34.061	6.16	26.791	6.711	0.15	91.2
450	5.88	34.104	5.85	26.864	7.347	0.15	91.2
500	5.52	34.148	5.48	26.944	7.950	0.15	91.0
600	4.89	34.186	4.85	27.047	9.068	0.15	91.1
800	4.26	34.322	4.20	27.226	11.033	0.15	91.0
1000	3.63	34.428	3.56	27.375	12.731	0.15	90.5
1006	3.63	34.429	3.56	27.377	12.778	0.15	90.5

### Station 34 RR-5 Temperature, Salinity

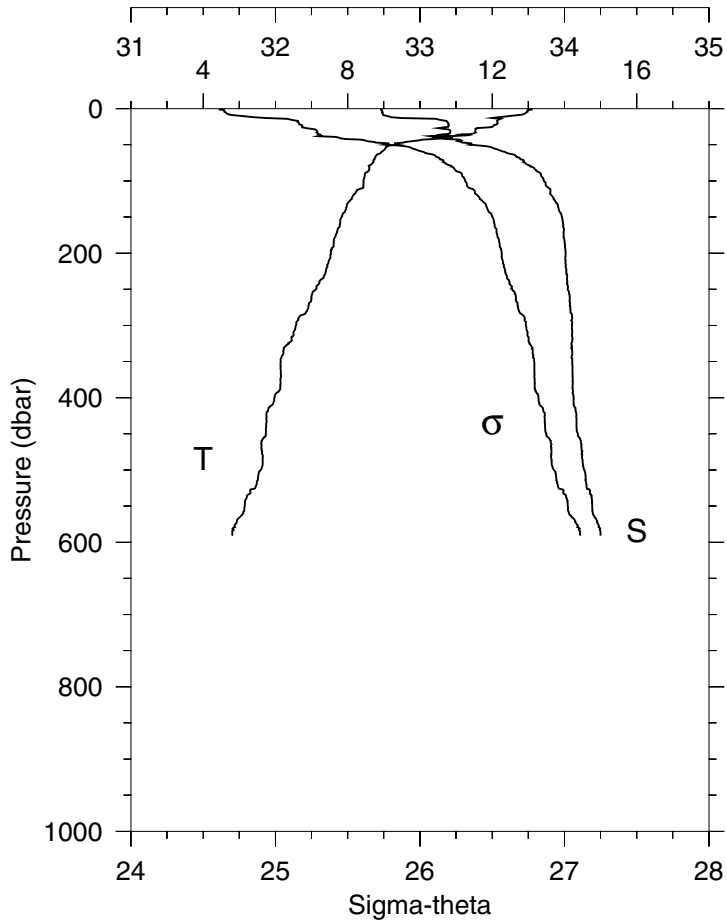
STA: 34 RR-5 LAT: 42 30.0 N LONG: 124 54.0 W  
11 SEP 2000 0542 GMT DEPTH 1160



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	12.87	32.901	12.87	24.793	0.031	1.36	83.9
10	12.49	32.918	12.48	24.881	0.313	1.51	83.7
20	12.15	32.989	12.15	25.000	0.613	1.70	85.5
30	9.95	32.949	9.95	25.359	0.893	0.76	89.9
40	9.64	33.172	9.63	25.585	1.140	0.44	90.7
50	9.08	33.379	9.07	25.838	1.368	0.23	91.4
60	8.99	33.469	8.99	25.921	1.580	0.19	91.4
70	8.91	33.533	8.90	25.986	1.786	0.18	91.5
80	8.67	33.677	8.66	26.136	1.979	0.15	91.5
90	8.52	33.742	8.51	26.209	2.165	0.15	91.4
100	8.40	33.807	8.39	26.279	2.343	0.15	91.4
110	8.35	33.818	8.34	26.295	2.517	0.14	91.4
120	8.18	33.870	8.16	26.362	2.687	0.14	91.4
130	8.11	33.891	8.10	26.389	2.853	0.15	91.3
140	8.07	33.905	8.05	26.407	3.017	0.14	91.3
150	7.92	33.935	7.90	26.452	3.179	0.15	91.3
175	7.74	33.967	7.73	26.503	3.572	0.15	91.3
200	7.43	33.977	7.42	26.556	3.955	0.16	91.3
225	7.28	33.990	7.26	26.587	4.327	0.15	91.3
250	7.04	34.000	7.01	26.630	4.691	0.15	91.3
275	6.85	34.004	6.83	26.657	5.048	0.15	91.2
300	6.71	34.020	6.68	26.690	5.399	0.15	91.3
350	6.30	34.045	6.27	26.764	6.079	0.15	91.4
400	6.10	34.090	6.06	26.826	6.729	0.15	91.4
450	5.71	34.115	5.67	26.895	7.346	0.15	91.3
500	5.54	34.149	5.50	26.942	7.939	0.15	91.1
600	5.08	34.187	5.03	27.028	9.065	0.15	91.0
800	4.10	34.353	4.04	27.267	10.975	0.15	90.8
1000	3.61	34.433	3.53	27.382	12.611	0.15	90.9
1005	3.60	34.434	3.52	27.384	12.650	0.15	90.9

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### Station 35 RR-4 Temperature, Salinity



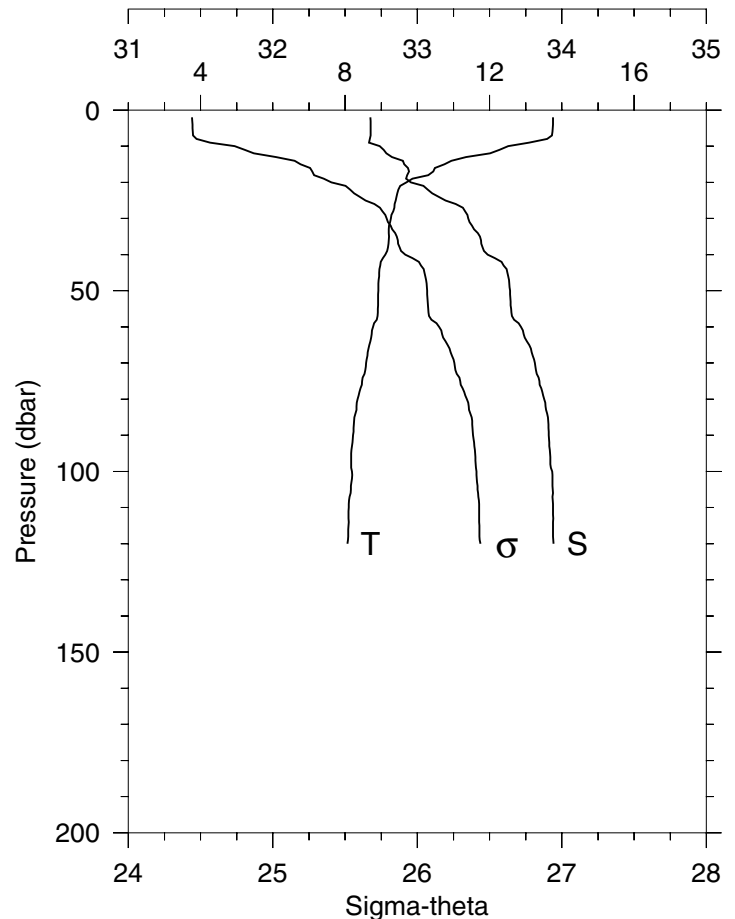
STA: 35 RR-4 LAT: 42 30.0 N LONG: 124 48.0 W  
11 SEP 2000 0729 GMT DEPTH 600

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	13.12	32.725	13.12	24.608	0.033	1.00	86.1
10	12.52	32.768	12.52	24.759	0.327	1.28	86.0
20	12.15	33.197	12.15	25.162	0.619	1.01	88.0
30	11.54	33.208	11.53	25.284	0.895	0.76	88.9
40	10.75	33.221	10.74	25.436	1.161	0.76	89.0
50	9.39	33.345	9.39	25.761	1.397	0.30	91.4
60	8.93	33.588	8.93	26.024	1.603	0.17	91.5
70	8.74	33.695	8.74	26.138	1.795	0.16	91.4
80	8.60	33.764	8.59	26.215	1.980	0.15	91.4
90	8.48	33.835	8.47	26.288	2.157	0.15	91.2
100	8.44	33.857	8.43	26.312	2.330	0.15	91.2
110	8.42	33.892	8.40	26.343	2.501	0.16	91.1
120	8.16	33.910	8.14	26.396	2.667	0.16	90.9
130	8.02	33.942	8.01	26.443	2.829	0.16	90.7
140	7.94	33.962	7.93	26.469	2.987	0.16	90.8
150	7.83	33.982	7.82	26.502	3.143	0.15	90.9
175	7.67	33.995	7.65	26.536	3.526	0.16	90.8
200	7.53	34.008	7.51	26.566	3.903	0.15	90.8
225	7.40	34.013	7.38	26.589	4.274	0.15	90.9
250	7.12	34.023	7.09	26.636	4.638	0.16	91.0
275	6.91	34.040	6.88	26.679	4.990	0.15	91.1
300	6.57	34.051	6.54	26.733	5.332	0.16	90.9
350	6.14	34.053	6.11	26.790	5.992	0.15	91.2
400	5.97	34.063	5.94	26.820	6.638	0.15	90.9
450	5.73	34.093	5.70	26.874	7.260	0.15	90.4
500	5.58	34.136	5.54	26.927	7.860	0.15	89.4
591	4.80	34.250	4.75	27.109	8.858	0.15	90.1

STA: 36 RR-3 LAT: 42 29.9 N LONG: 124 42.0 W  
11 SEP 2000 1057 GMT DEPTH 124

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.76	32.675	13.76	24.441	0.070	0.69	88.7
10	12.52	32.739	12.52	24.736	0.345	0.82	88.9
20	9.70	32.955	9.70	25.406	0.628	0.57	90.1
30	9.27	33.353	9.26	25.787	0.862	0.27	91.3
40	9.12	33.487	9.11	25.916	1.077	0.21	91.4
50	8.92	33.641	8.91	26.068	1.274	0.18	91.4
60	8.77	33.717	8.77	26.151	1.467	0.17	91.3
70	8.58	33.814	8.57	26.256	1.648	0.16	91.1
80	8.35	33.878	8.34	26.343	1.821	0.16	90.2
90	8.22	33.910	8.21	26.386	1.987	0.16	89.4
100	8.19	33.933	8.18	26.410	2.151	0.16	89.6
110	8.10	33.939	8.09	26.427	2.313	0.16	89.1
120	8.06	33.943	8.05	26.437	2.474	0.15	88.6

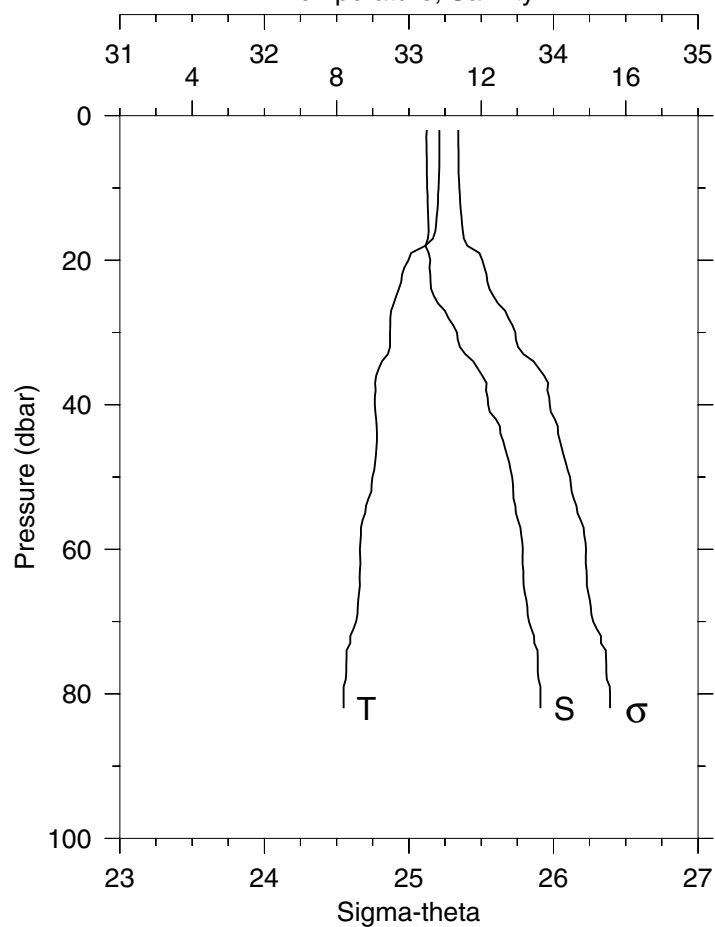
### Station 36 RR-3 Temperature, Salinity



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### Station 37 RR-2 Temperature, Salinity

STA: 37 RR-2 LAT: 42 30.1 N LONG: 124 36.0 W  
11 SEP 2000 1359 GMT DEPTH 86

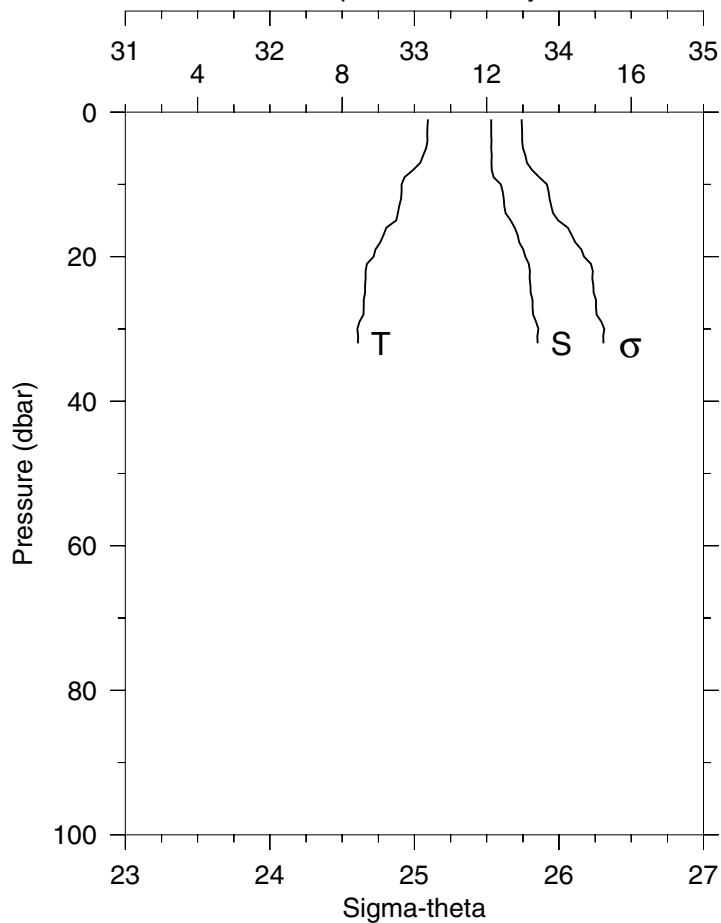


P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
2	10.84	33.123	10.84	25.342	0.052	1.42	85.6
10	10.82	33.126	10.82	25.348	0.262	1.46	85.6
20	9.99	33.147	9.98	25.508	0.521	1.09	87.9
30	9.48	33.332	9.47	25.737	0.758	0.69	89.7
40	9.06	33.549	9.05	25.975	0.971	0.26	91.1
50	8.99	33.715	8.98	26.115	1.167	0.24	91.0
60	8.65	33.788	8.64	26.226	1.351	0.19	91.1
70	8.54	33.830	8.53	26.276	1.529	0.17	90.6
80	8.19	33.910	8.18	26.391	1.697	0.16	87.9
82	8.19	33.910	8.18	26.391	1.730	0.17	87.9

STA: 38 RR-1 LAT: 42 30.0 N LONG: 124 30.0 W  
11 SEP 2000 1512 GMT DEPTH 37

P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(%)
1	10.37	33.531	10.37	25.742	0.022	2.34	82.1
10	9.65	33.597	9.64	25.916	0.221	2.39	86.4
20	8.87	33.767	8.87	26.174	0.419	0.41	88.8
30	8.42	33.857	8.41	26.314	0.595	0.25	85.2
32	8.43	33.852	8.43	26.308	0.630	0.25	85.1

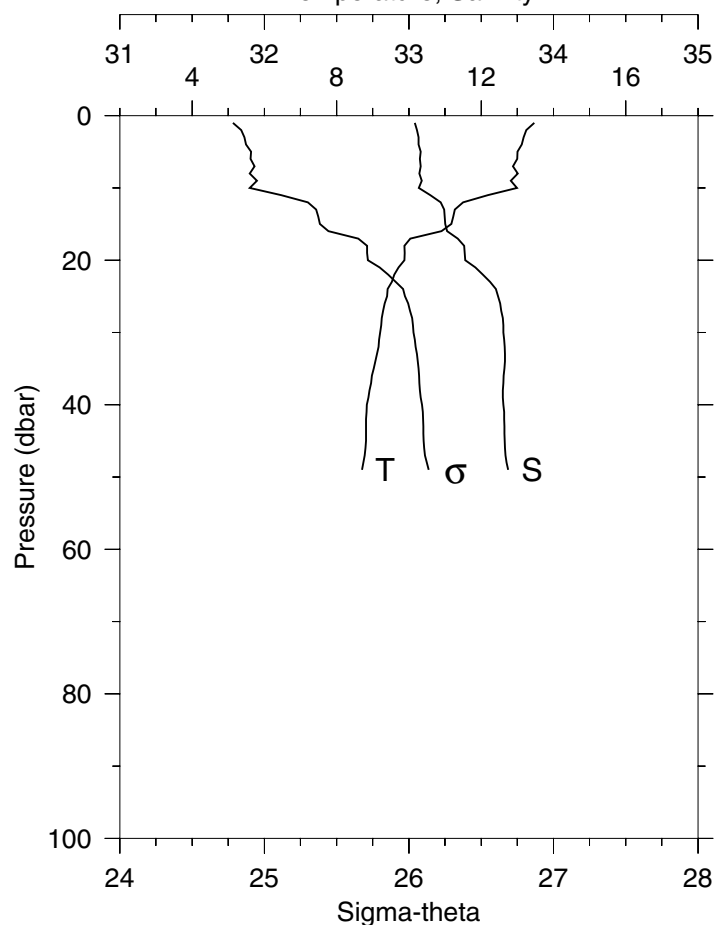
### Station 38 RR-1 Temperature, Salinity





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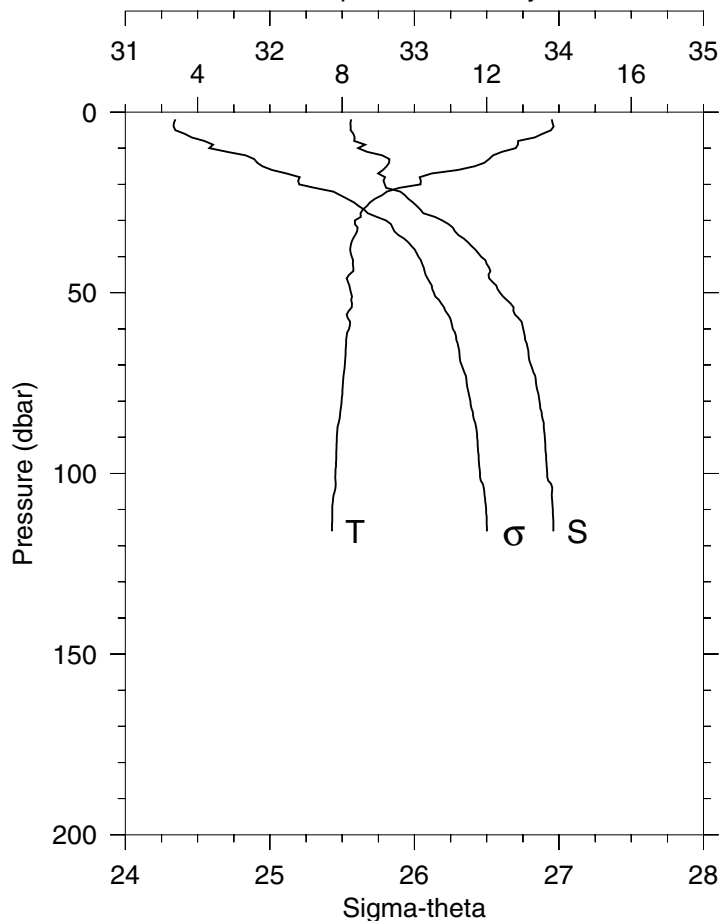
### Station 39 HH-1 Temperature, Salinity



STA: 39 HH-1 LAT: 44 0.1 N LONG: 124 12.1 W  
12 SEP 2000 0030 GMT DEPTH 53

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	13.47	33.040	13.47	24.782	0.032	0.77	90.6
10	12.99	33.068	12.99	24.899	0.306	1.33	87.5
20	9.87	33.389	9.87	25.716	0.560	1.11	86.7
30	9.21	33.653	9.20	26.031	0.766	0.45	89.4
40	8.84	33.653	8.83	26.090	0.960	0.44	85.9
49	8.70	33.686	8.70	26.137	1.132	0.45	85.7

### Station 40 HH-2 Temperature, Salinity



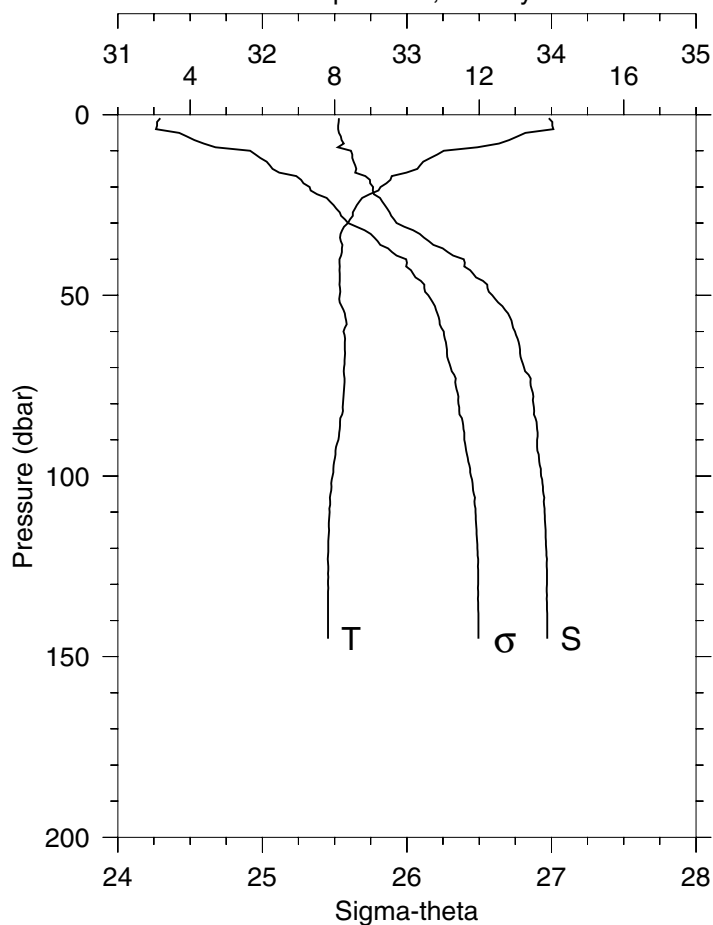
STA: 40 HH-2 LAT: 44 0.1 N LONG: 124 24.0 W  
12 SEP 2000 0212 GMT DEPTH 121

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.80	32.563	13.80	24.346	0.071	1.36	85.4
10	12.81	32.610	12.80	24.581	0.350	1.36	85.9
20	10.17	32.795	10.17	25.203	0.648	1.00	87.4
30	8.35	33.191	8.35	25.802	0.891	0.83	89.2
40	8.27	33.461	8.26	26.027	1.098	0.37	90.8
50	8.24	33.593	8.24	26.134	1.291	0.26	91.0
60	8.19	33.752	8.19	26.266	1.472	0.17	91.2
70	8.07	33.806	8.07	26.327	1.644	0.19	91.0
80	7.98	33.866	7.97	26.388	1.811	0.19	90.9
90	7.85	33.902	7.85	26.434	1.973	0.21	87.5
100	7.82	33.918	7.80	26.453	2.132	0.21	86.4
110	7.73	33.958	7.72	26.497	2.288	0.20	81.4
116	7.72	33.962	7.71	26.502	2.380	0.20	77.7

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### Station 41 HH-3 Temperature, Salinity

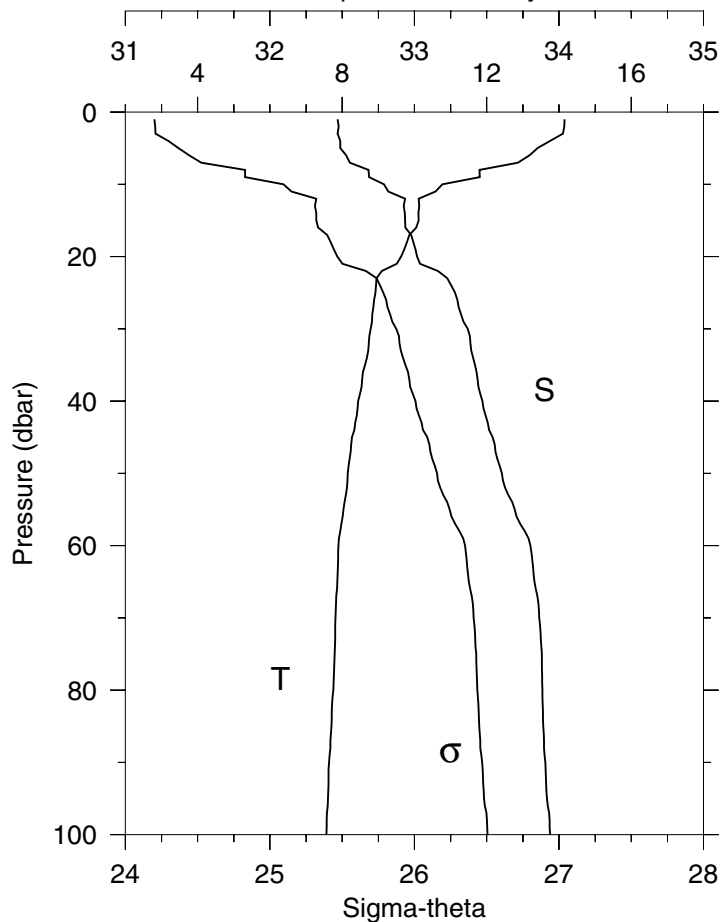
STA: 41 HH-3 LAT: 44 0.1 N LONG: 124 36.0 W  
12 SEP 2000 0355 GMT DEPTH 155



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	13.92	32.529	13.92	24.294	0.036	0.63	86.5
10	11.02	32.613	11.02	24.915	0.348	0.72	87.2
20	9.27	32.766	9.27	25.327	0.633	0.69	88.3
30	8.37	32.928	8.37	25.593	0.883	0.82	88.7
40	8.13	33.394	8.13	25.994	1.102	0.50	90.6
50	8.14	33.591	8.14	26.148	1.296	0.26	90.9
60	8.24	33.747	8.24	26.255	1.478	0.16	91.2
70	8.26	33.811	8.25	26.302	1.652	0.15	91.2
80	8.23	33.874	8.22	26.357	1.821	0.16	91.0
90	8.11	33.901	8.10	26.397	1.986	0.15	90.9
100	7.95	33.929	7.93	26.443	2.148	0.16	89.8
110	7.86	33.953	7.85	26.474	2.305	0.16	89.5
120	7.82	33.964	7.81	26.488	2.461	0.17	87.4
130	7.82	33.968	7.81	26.492	2.617	0.18	85.4
140	7.82	33.970	7.80	26.494	2.772	0.18	84.1
145	7.82	33.970	7.80	26.494	2.850	0.18	83.5

### Station 42 HH-4 Temperature, Salinity

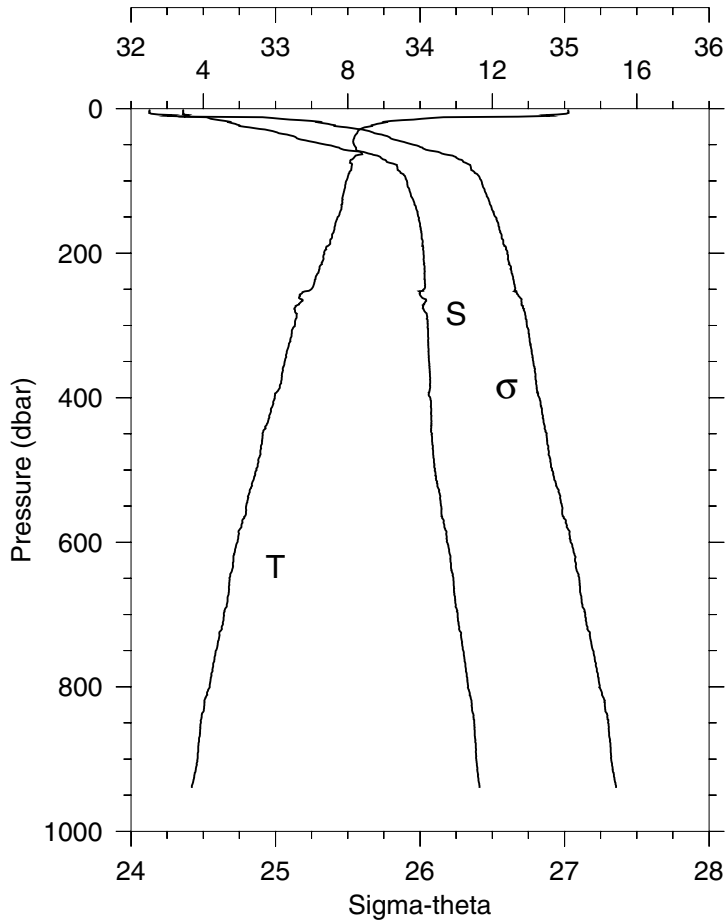
STA: 42 HH-4 LAT: 44 0.1 N LONG: 124 48.0 W  
12 SEP 2000 0619 GMT DEPTH 112



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	14.16	32.468	14.16	24.200	0.037	0.58	87.6
10	10.77	32.789	10.77	25.094	0.347	1.70	84.6
20	9.63	33.018	9.63	25.467	0.611	1.64	84.8
30	8.79	33.369	8.78	25.875	0.835	0.56	89.6
40	8.44	33.471	8.44	26.008	1.042	0.55	89.7
50	8.16	33.605	8.15	26.156	1.234	0.34	90.4
60	7.90	33.803	7.89	26.350	1.412	0.24	90.4
70	7.82	33.864	7.81	26.410	1.577	0.20	90.4
80	7.75	33.885	7.74	26.436	1.737	0.21	90.2
90	7.63	33.905	7.63	26.469	1.896	0.21	89.9
100	7.56	33.939	7.55	26.506	2.051	0.24	89.2

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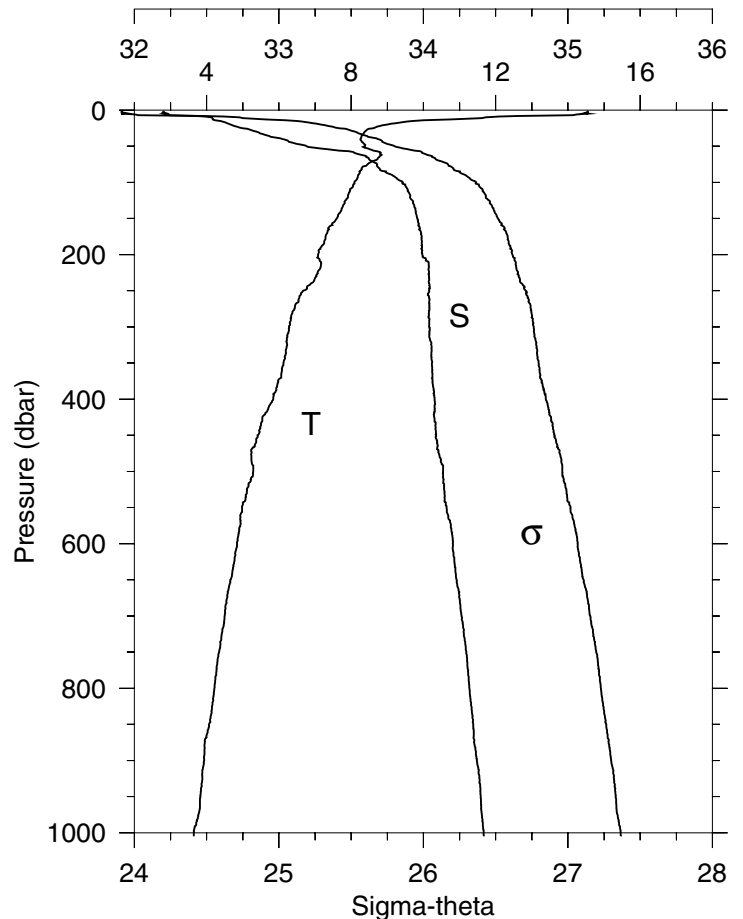
### Station 43 HH-5 Temperature, Salinity



STA: 43 HH-5 LAT: 44 0.1 N LONG: 125 0.2 W  
12 SEP 2000 0847 GMT DEPTH 951

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	14.10	32.358	14.10	24.126	0.038	1.65	82.2
10	13.59	32.386	13.59	24.251	0.375	1.81	82.2
20	8.94	32.697	8.94	25.324	0.668	1.21	87.6
30	8.30	32.952	8.30	25.622	0.919	0.56	90.4
40	8.18	33.143	8.17	25.791	1.146	0.36	91.0
50	8.17	33.348	8.17	25.952	1.360	0.27	91.1
60	8.38	33.608	8.37	26.126	1.558	0.19	91.1
70	8.13	33.744	8.12	26.270	1.739	0.16	91.0
80	8.10	33.842	8.10	26.350	1.910	0.15	91.2
90	8.02	33.879	8.01	26.392	2.077	0.15	91.1
100	7.96	33.909	7.95	26.425	2.239	0.16	91.1
110	7.92	33.922	7.91	26.441	2.400	0.15	91.1
120	7.87	33.937	7.86	26.461	2.558	0.15	91.0
130	7.85	33.960	7.84	26.481	2.716	0.15	90.7
140	7.81	33.976	7.80	26.499	2.871	0.16	90.5
150	7.72	33.990	7.71	26.523	3.025	0.15	90.4
175	7.57	34.012	7.55	26.564	3.402	0.16	90.3
200	7.35	34.024	7.33	26.604	3.771	0.16	90.5
225	7.20	34.033	7.18	26.633	4.132	0.15	90.3
250	6.99	34.026	6.96	26.657	4.488	0.15	90.3
275	6.55	34.021	6.52	26.712	4.833	0.16	91.0
300	6.53	34.054	6.50	26.740	5.170	0.15	90.9
350	6.25	34.063	6.22	26.784	5.830	0.15	91.1
400	5.98	34.071	5.95	26.825	6.475	0.15	91.2
450	5.64	34.083	5.60	26.877	7.098	0.15	91.2
500	5.47	34.101	5.43	26.912	7.704	0.15	91.1
600	4.94	34.187	4.89	27.043	8.836	0.15	91.1
800	4.18	34.332	4.12	27.242	10.805	0.15	91.0
940	3.68	34.411	3.62	27.356	11.976	0.14	90.9

### Station 44 HH-7 Temperature, Salinity

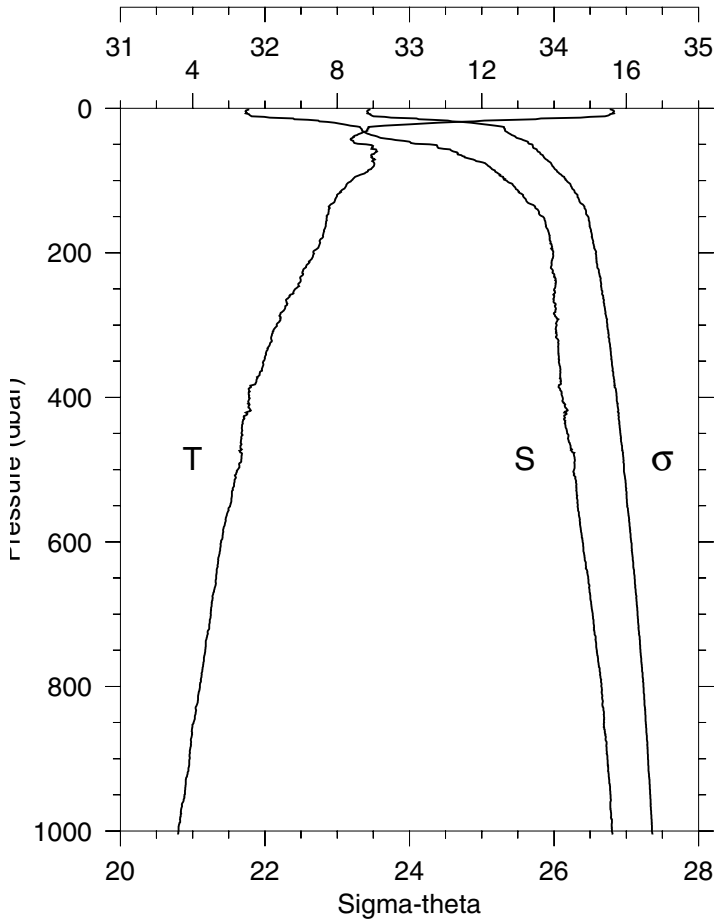


STA: 44 HH-7 LAT: 44 0.1 N LONG: 125 11.9 W  
12 SEP 2000 1224 GMT DEPTH 1695

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	14.53	32.204	14.53	23.918	0.040	1.47	82.7
10	11.73	32.535	11.73	24.726	0.380	1.90	83.8
20	9.00	32.665	9.00	25.290	0.670	1.21	87.8
30	8.37	32.847	8.37	25.529	0.926	0.64	89.9
40	8.26	33.021	8.25	25.683	1.164	0.42	90.8
50	8.38	33.191	8.38	25.798	1.390	0.29	91.1
60	8.80	33.531	8.80	26.000	1.599	0.18	91.3
70	8.63	33.638	8.62	26.111	1.794	0.17	91.3
80	8.29	33.692	8.28	26.205	1.979	0.17	91.1
90	8.19	33.786	8.18	26.294	2.158	0.15	91.2
100	8.09	33.858	8.08	26.366	2.328	0.15	91.2
110	7.97	33.891	7.96	26.410	2.493	0.15	91.3
120	7.91	33.907	7.90	26.431	2.655	0.15	91.3
130	7.81	33.931	7.80	26.465	2.814	0.15	91.2
140	7.71	33.948	7.70	26.492	2.970	0.15	91.2
150	7.60	33.959	7.59	26.517	3.125	0.15	91.2
175	7.29	33.988	7.28	26.583	3.499	0.15	91.2
200	7.08	33.992	7.06	26.616	3.864	0.15	91.3
225	7.07	34.038	7.05	26.654	4.221	0.16	90.2
250	6.67	34.039	6.65	26.709	4.569	0.15	90.7
275	6.43	34.042	6.40	26.744	4.905	0.16	90.9
300	6.28	34.041	6.25	26.763	5.236	0.15	91.0
350	6.13	34.059	6.10	26.797	5.887	0.15	91.0
400	5.84	34.077	5.81	26.847	6.523	0.15	90.8
450	5.41	34.087	5.37	26.908	7.131	0.15	91.4
500	5.29	34.137	5.25	26.962	7.712	0.15	91.3
600	4.84	34.203	4.80	27.067	8.809	0.15	91.2
800	4.22	34.319	4.16	27.228	10.764	0.15	91.3
1000	3.65	34.416	3.58	27.365	12.463	0.15	91.2
1005	3.64	34.418	3.57	27.366	12.502	0.15	91.2

W0009A

Station 45 HH-9  
Temperature, Salinity



STA: 45 HH-9 LAT: 44 0.1 N LONG: 125 24.0 W  
12 SEP 2000 1407 GMT DEPTH 3020

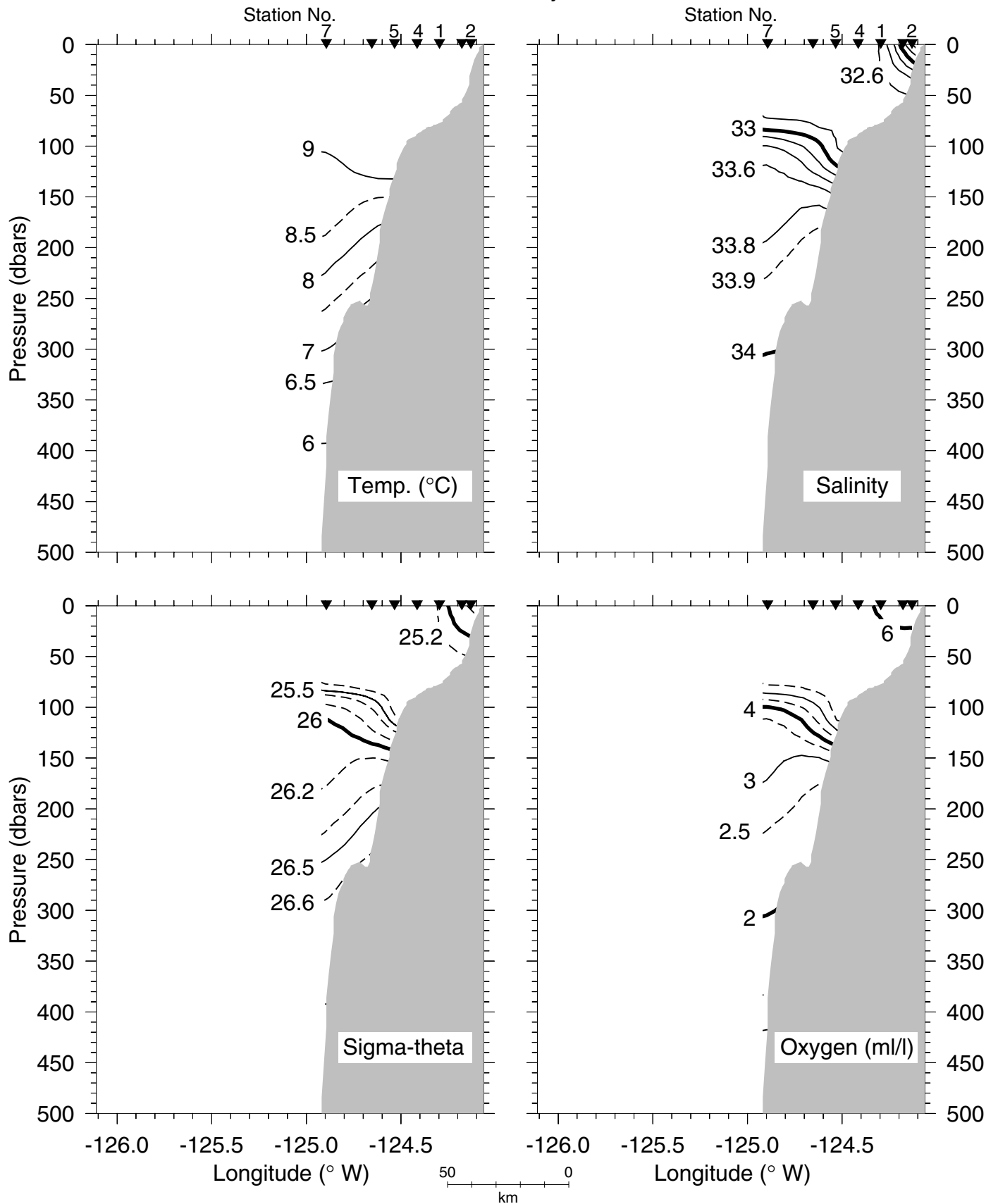
P	T	S	POT T	SIGMA	DYN HT	FL	TRN
(DB)	(C)		(C)	THETA	(J/KG)	(V)	(V)
1	15.54	31.889	15.54	23.458	0.044	0.86	86.30
10	15.50	31.899	15.49	23.476	0.444	0.89	85.70
20	10.78	32.481	10.78	24.854	0.820	2.62	83.10
30	8.82	32.671	8.82	25.323	1.098	0.74	89.30
40	8.46	32.787	8.45	25.470	1.357	0.47	90.50
50	8.80	33.139	8.79	25.693	1.596	0.26	91.10
60	9.10	33.305	9.10	25.776	1.822	0.23	91.20
70	9.02	33.424	9.02	25.882	2.039	0.20	91.30
80	9.01	33.546	9.00	25.980	2.245	0.18	91.30
90	8.76	33.613	8.75	26.072	2.445	0.17	91.30
100	8.39	33.671	8.38	26.173	2.634	0.16	91.20
110	8.21	33.733	8.20	26.249	2.815	0.15	91.20
120	7.99	33.787	7.98	26.325	2.990	0.16	90.90
130	7.92	33.816	7.91	26.357	3.159	0.17	90.80
140	7.76	33.885	7.75	26.435	3.323	0.16	90.60
150	7.71	33.923	7.70	26.473	3.483	0.17	90.60
175	7.61	33.967	7.59	26.523	3.871	0.17	90.60
200	7.34	33.994	7.32	26.581	4.248	0.15	91.00
225	7.06	33.992	7.04	26.620	4.615	0.15	91.20
250	6.84	34.003	6.82	26.658	4.971	0.16	91.20
275	6.56	34.008	6.53	26.700	5.319	0.15	91.30
300	6.33	34.018	6.30	26.739	5.658	0.15	91.30
350	5.96	34.033	5.93	26.798	6.314	0.15	91.30
400	5.56	34.060	5.53	26.868	6.943	0.15	91.30
450	5.35	34.090	5.31	26.918	7.544	0.15	91.30
500	5.25	34.138	5.20	26.969	8.123	0.15	91.30
600	4.79	34.198	4.74	27.068	9.217	0.15	91.30
800	4.20	34.326	4.14	27.236	11.165	0.15	91.20
1000	3.61	34.401	3.54	27.356	12.857	0.15	91.40
1005	3.59	34.406	3.52	27.362	12.897	0.15	91.40

## Vertical Sections

Vertical Distributions of Temperature, Salinity, Sigma-t, and Dissolved Oxygen

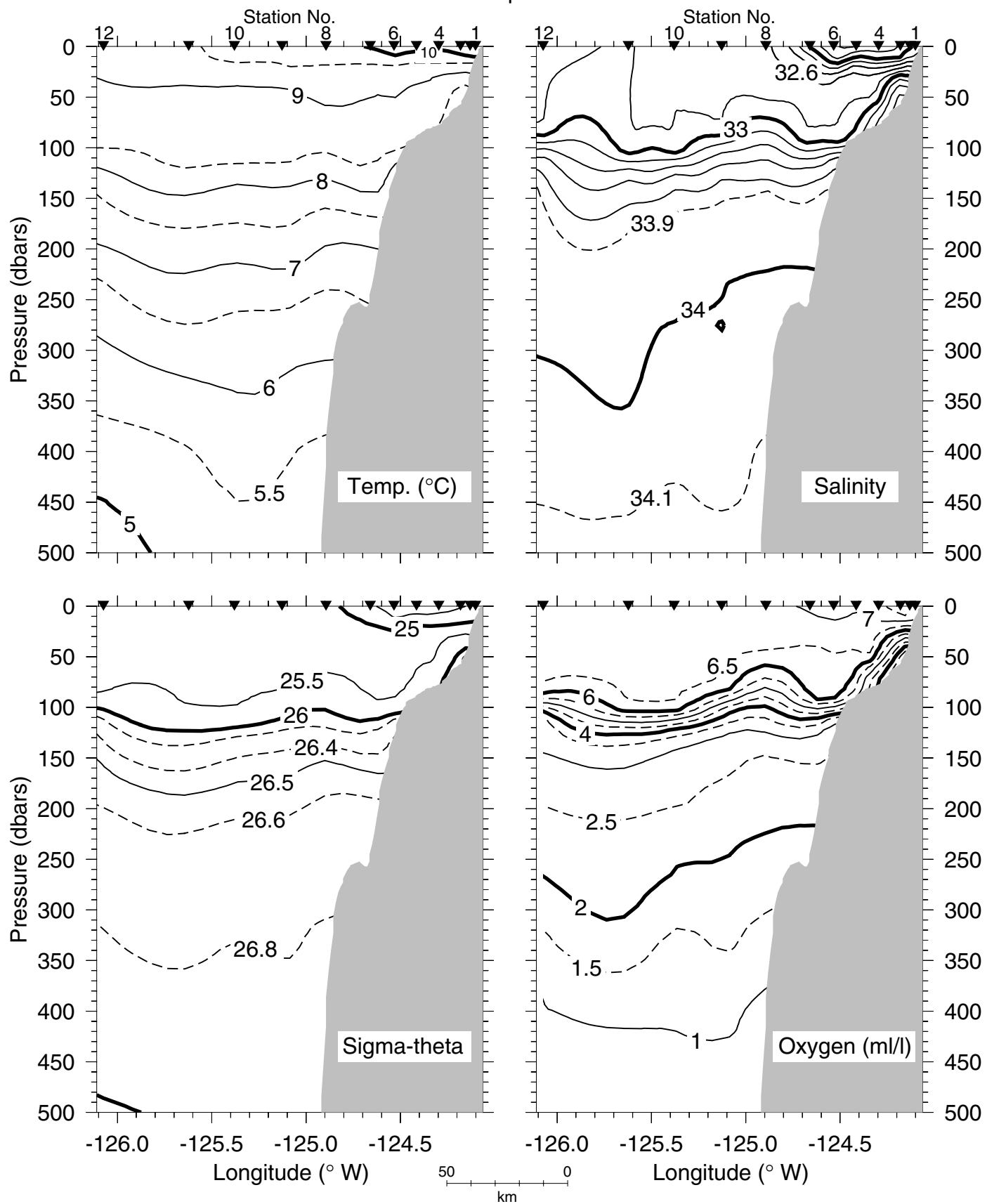
## Newport Hydrographic Line 44°39'N

17-18 February 1999



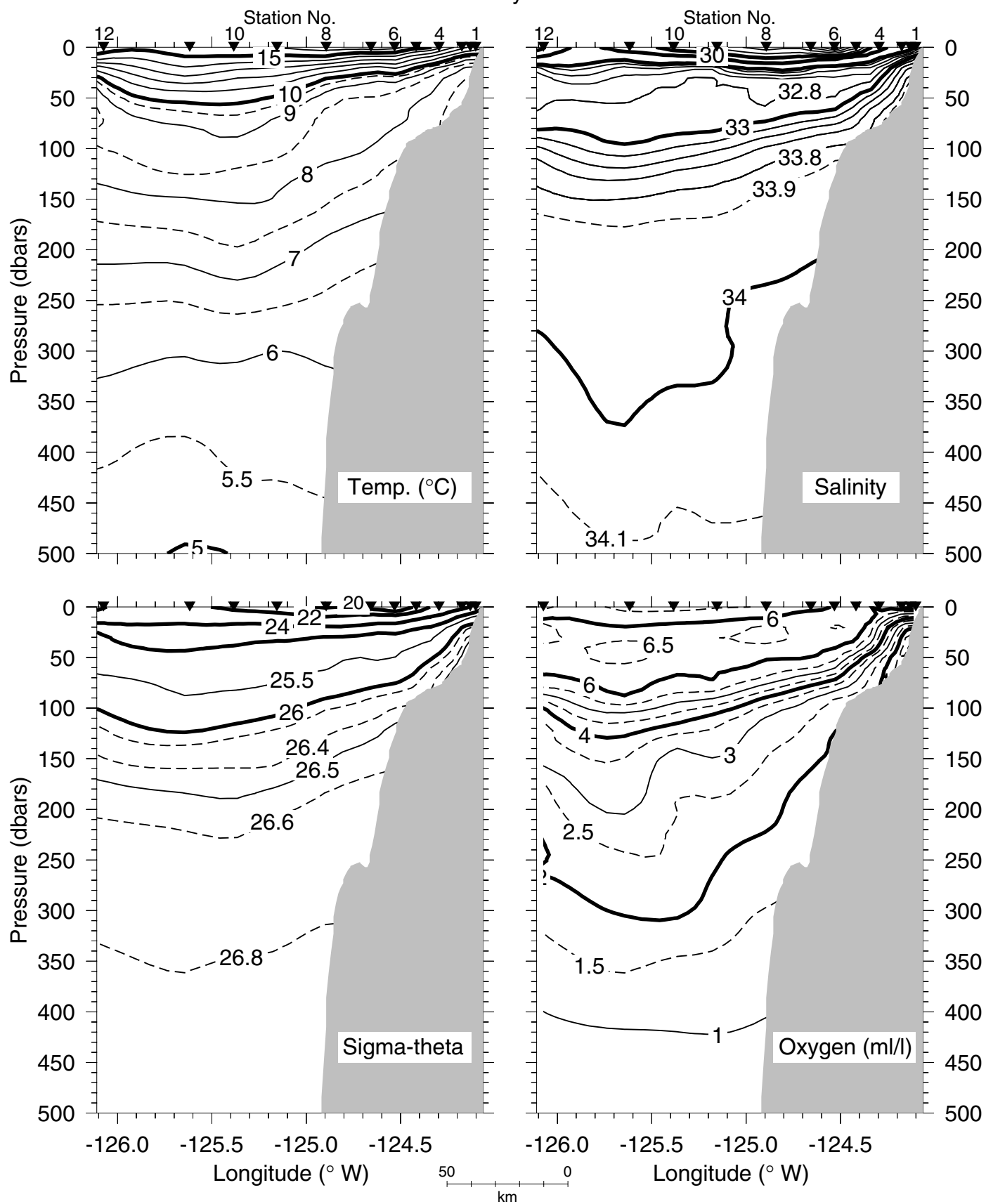
## Newport Hydrographic Line 44°39'N

19-20 April 1999



## Newport Hydrographic Line 44°39'N

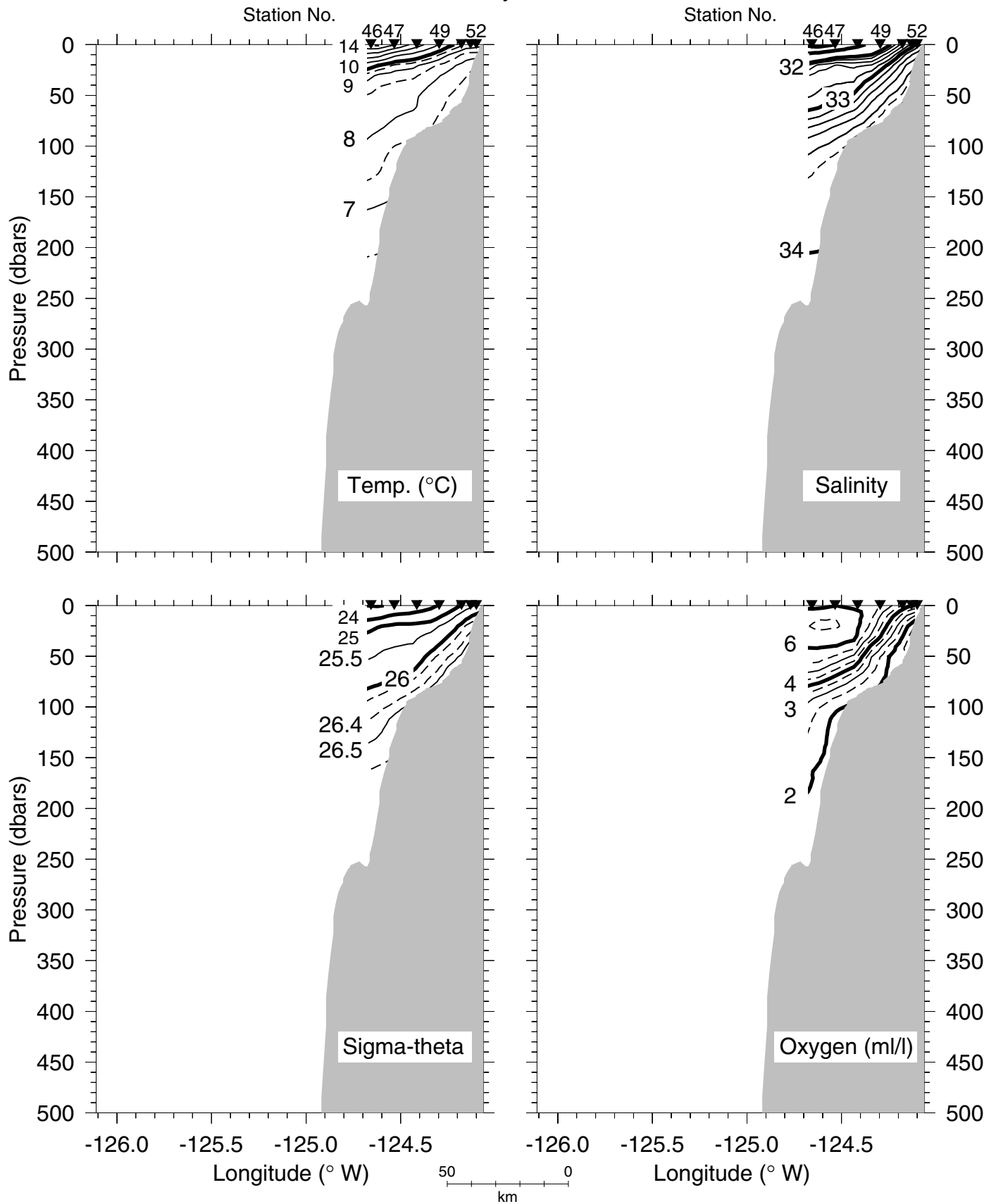
3-4 July 1999





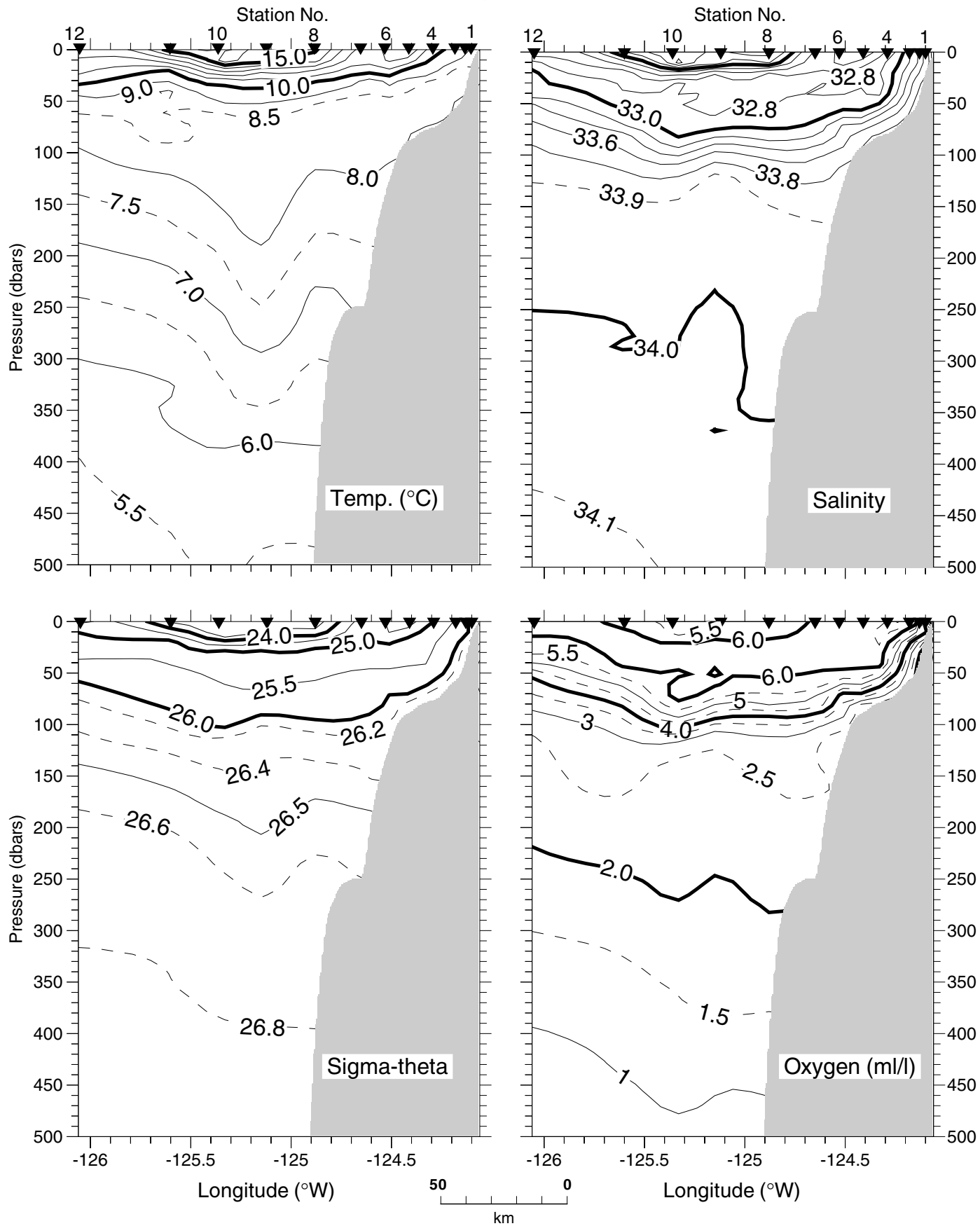
## Newport Hydrographic Line 44°39'N

9 July 1999



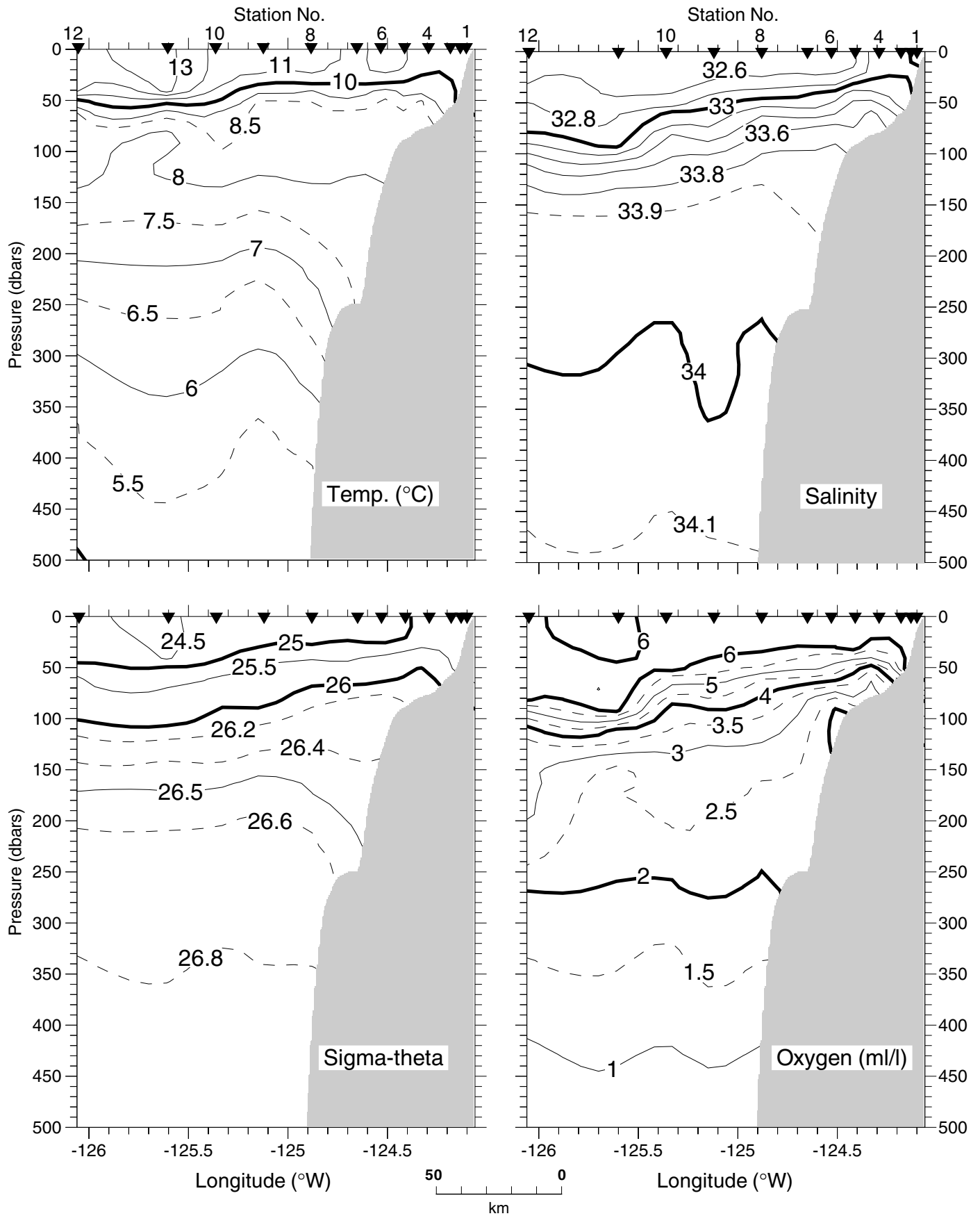
## Newport Hydrographic Line 44°39'N

22-23 September 1999



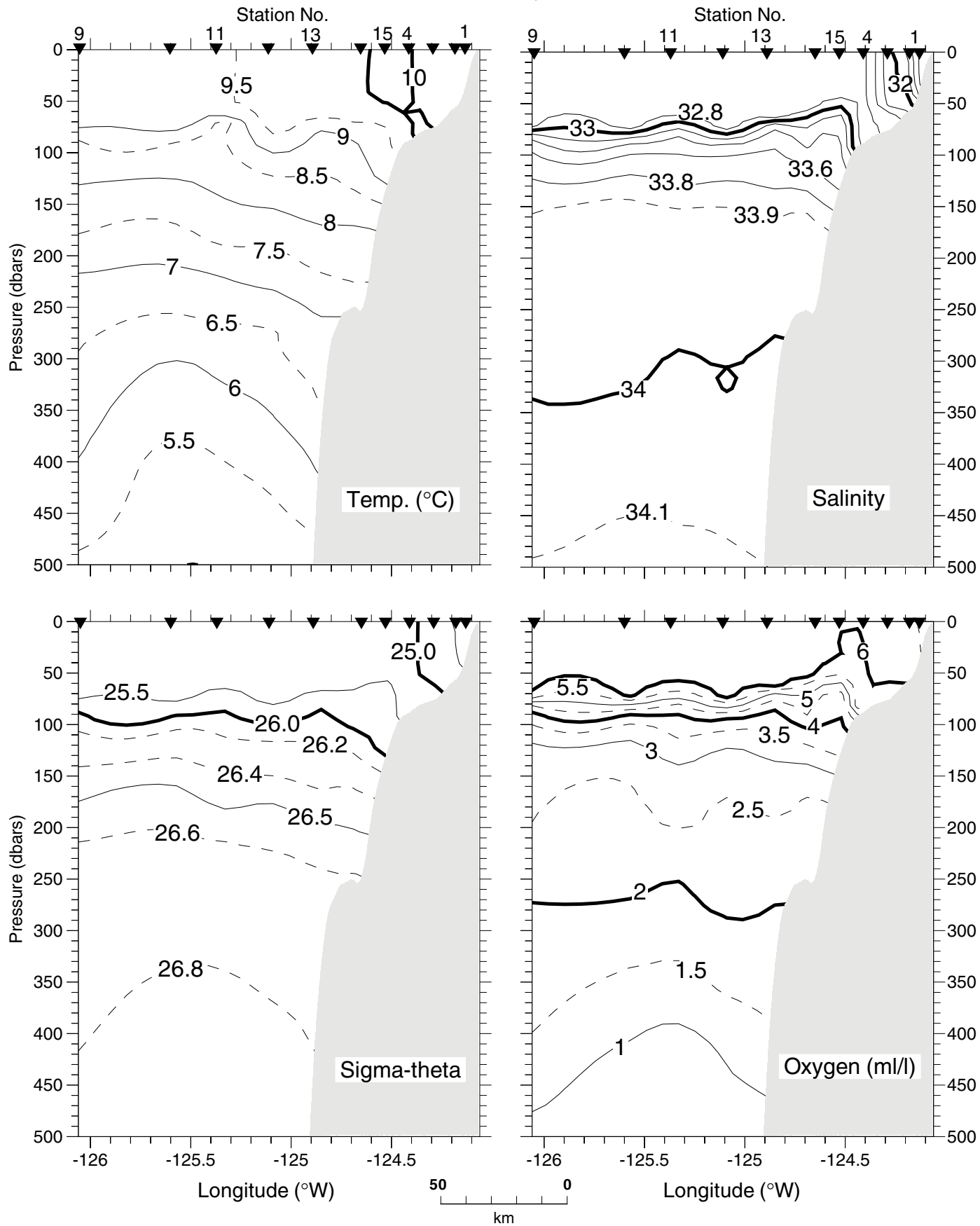
## Newport Hydrographic Line 44°39'N

3-5 November 1999



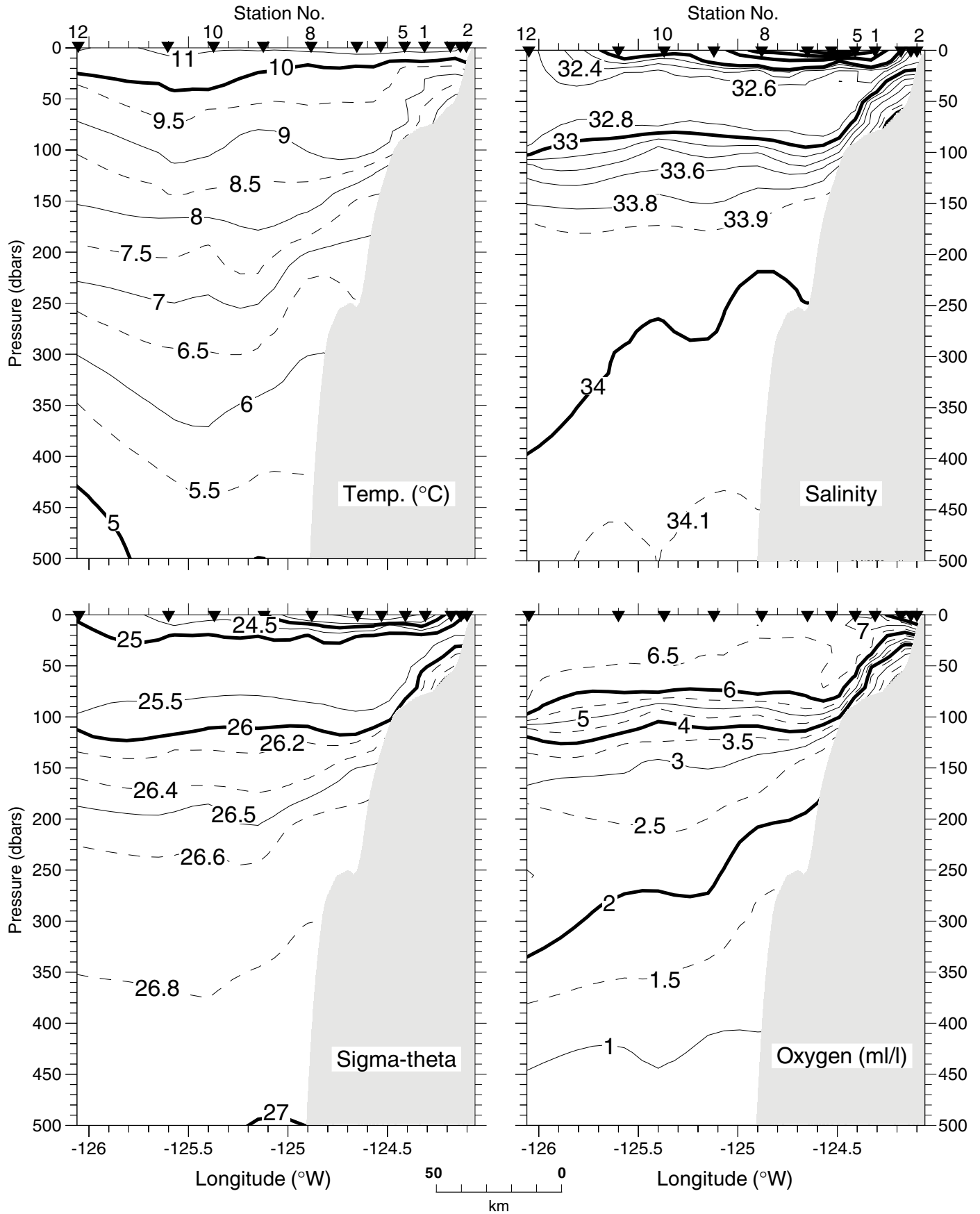
## Newport Hydrographic Line 44°39'N

1-3 February 2000



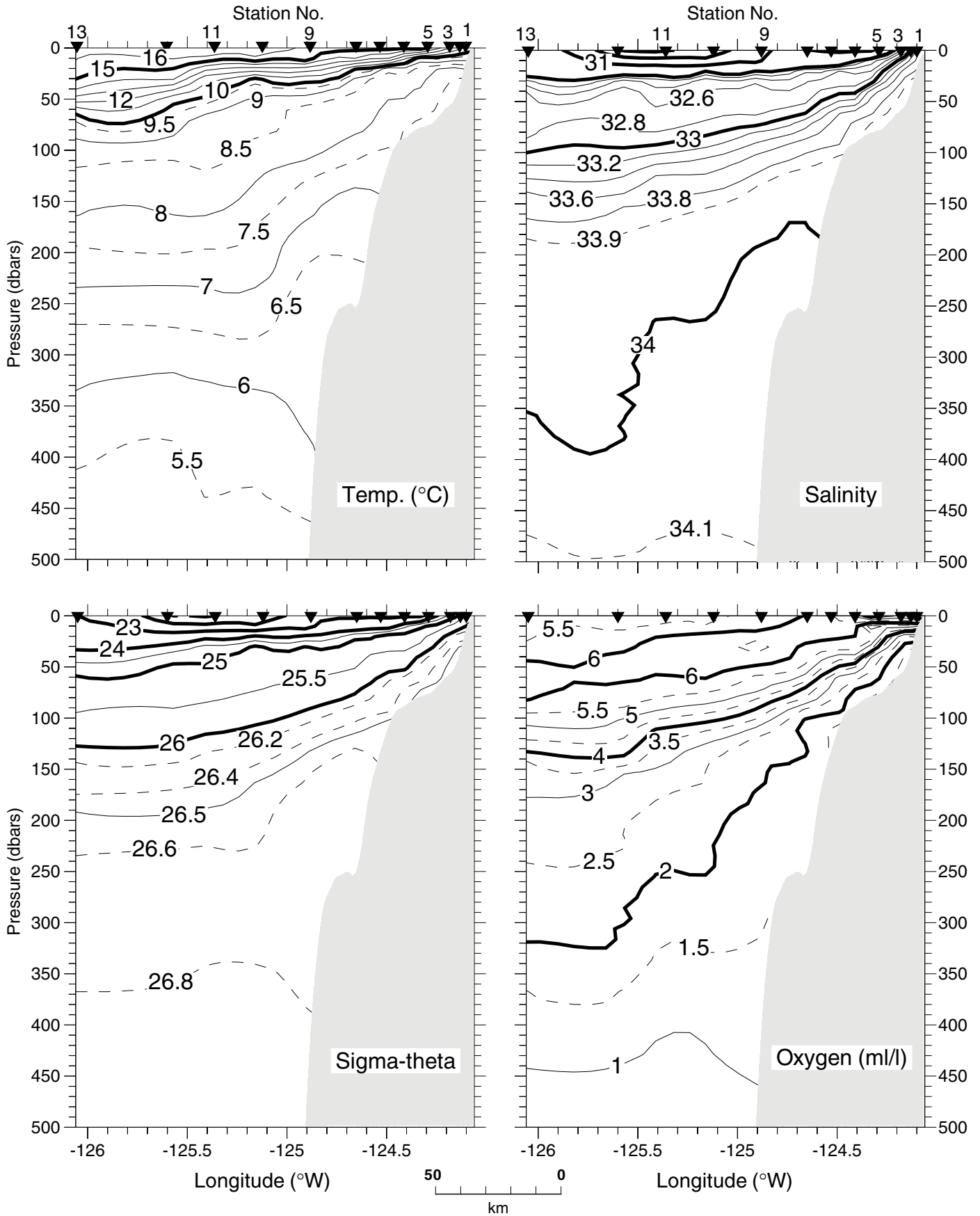
## Newport Hydrographic Line 44°39'N

11-13 April 2000



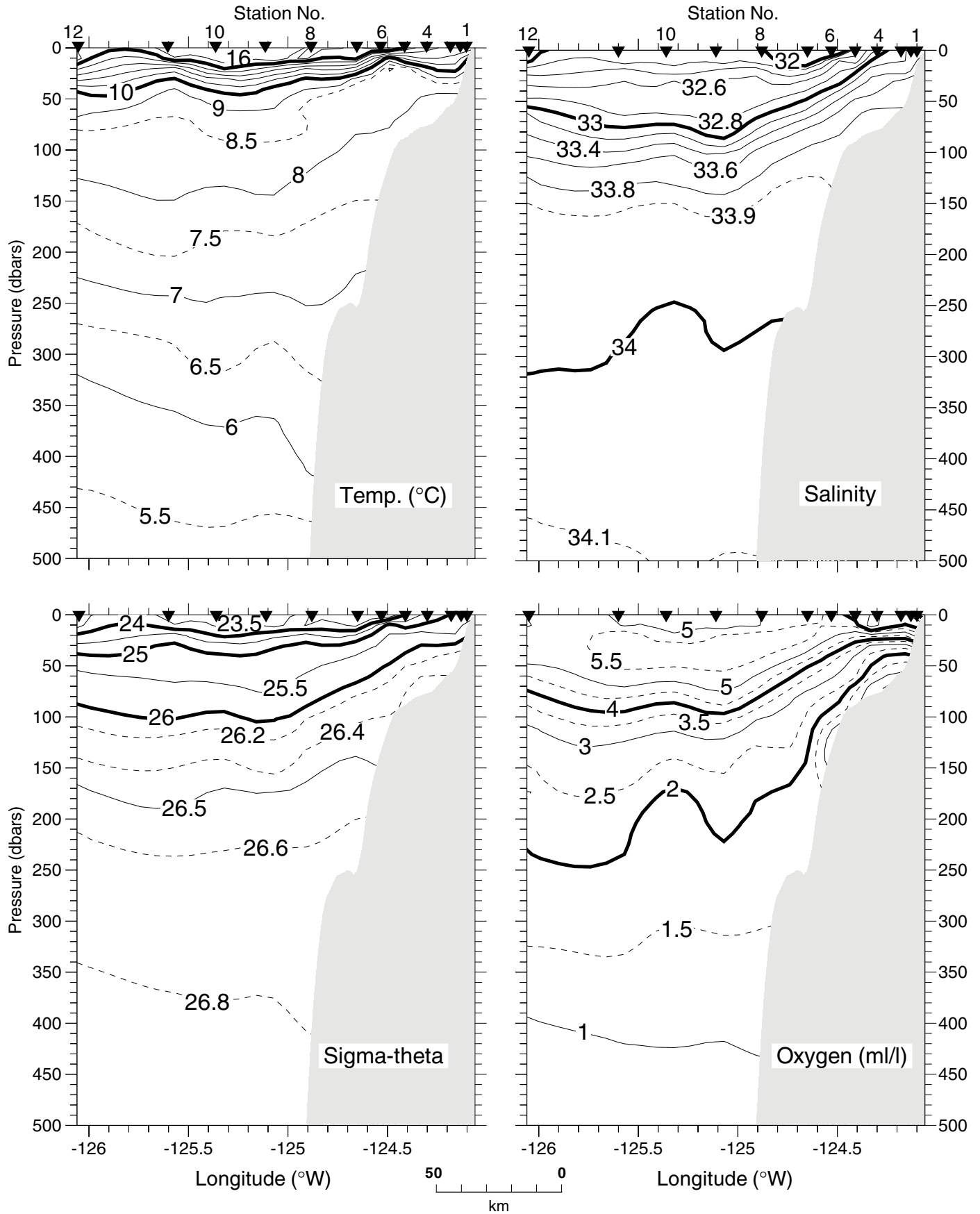
## Newport Hydrographic Line 44°39'N

7-8 July 2000



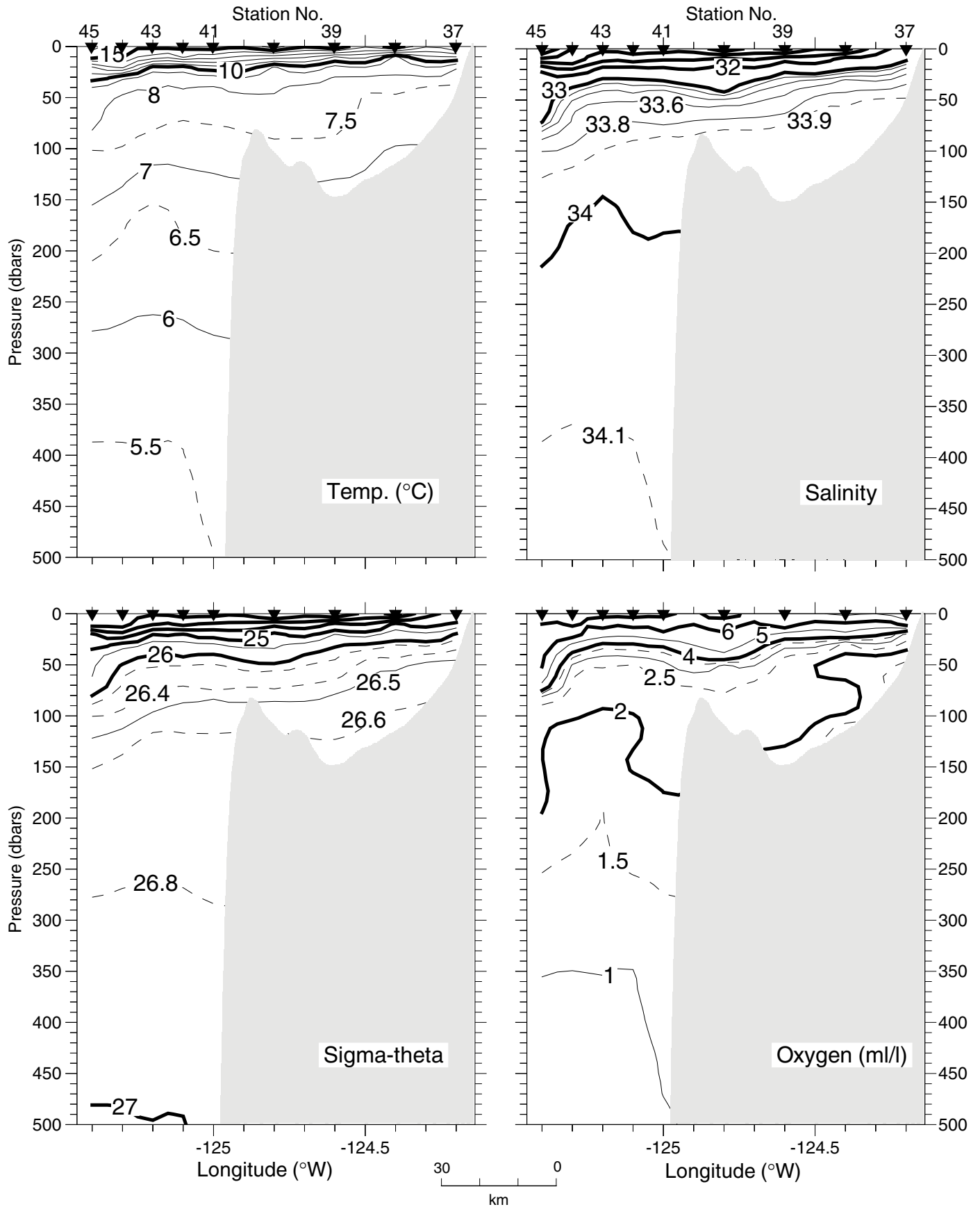
## Newport Hydrographic Line 44°39'N

7-8 September 2000



## Heceta Head Hydrographic Line 44°00'N

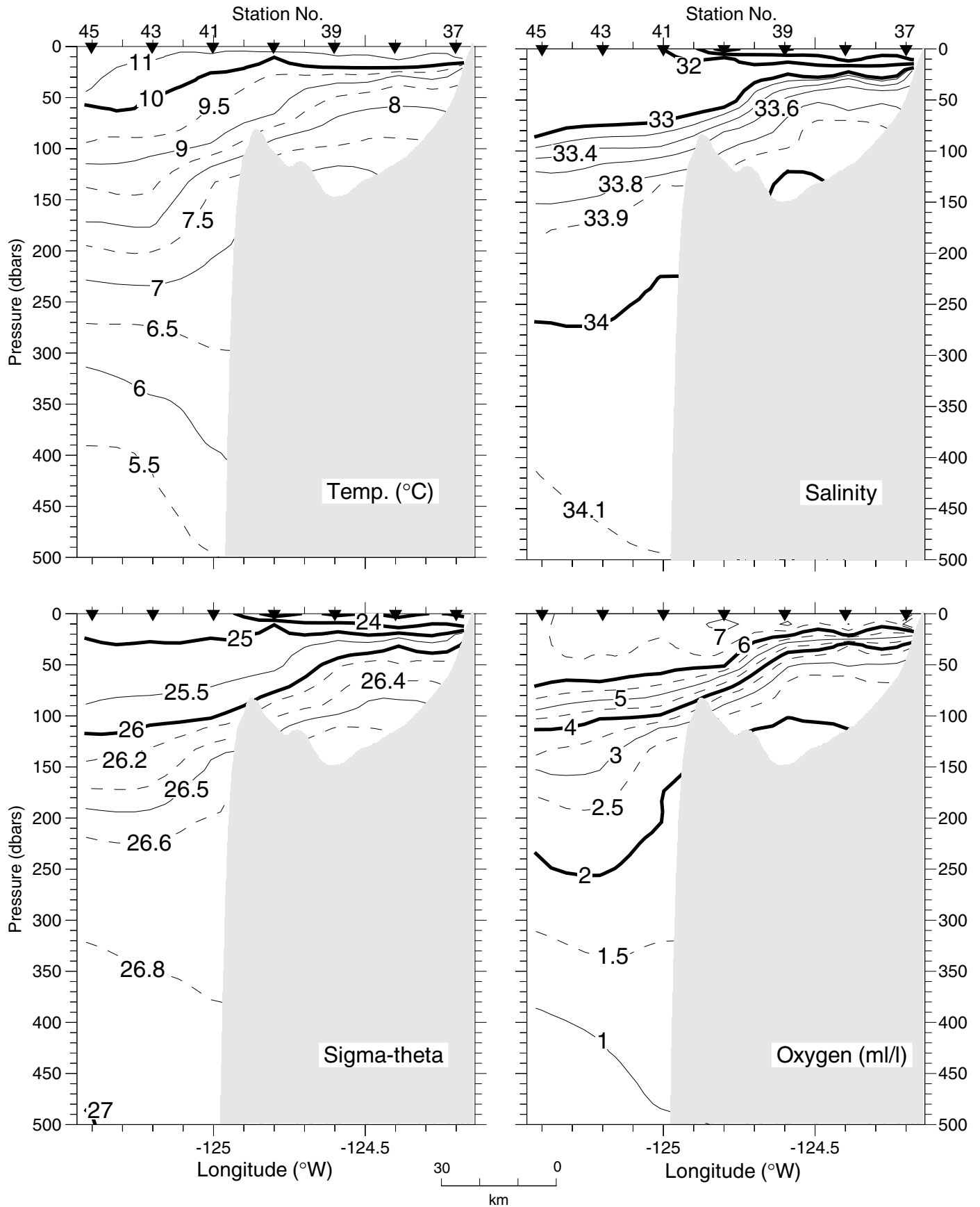
8 July 1999





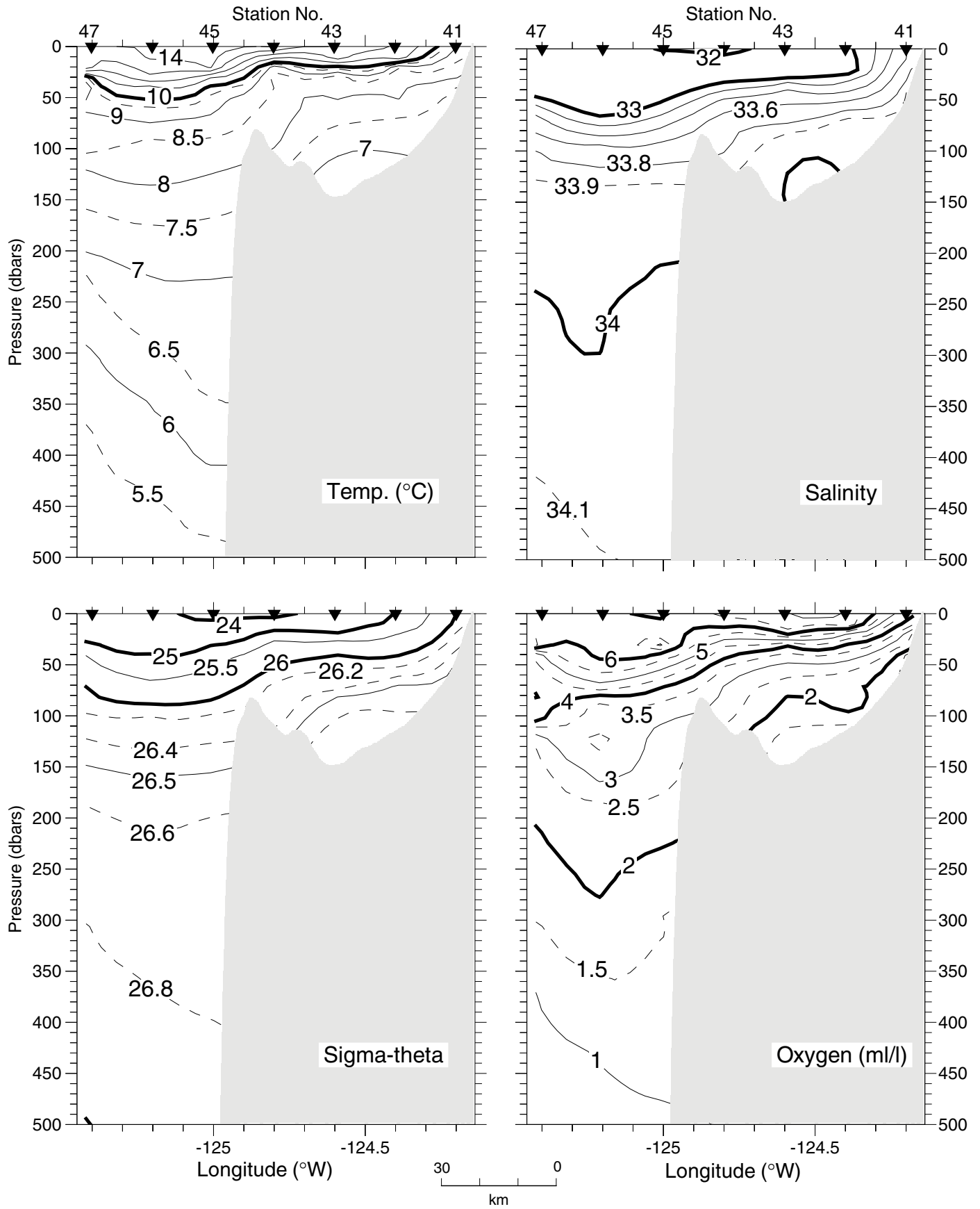
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16-17 April 2000



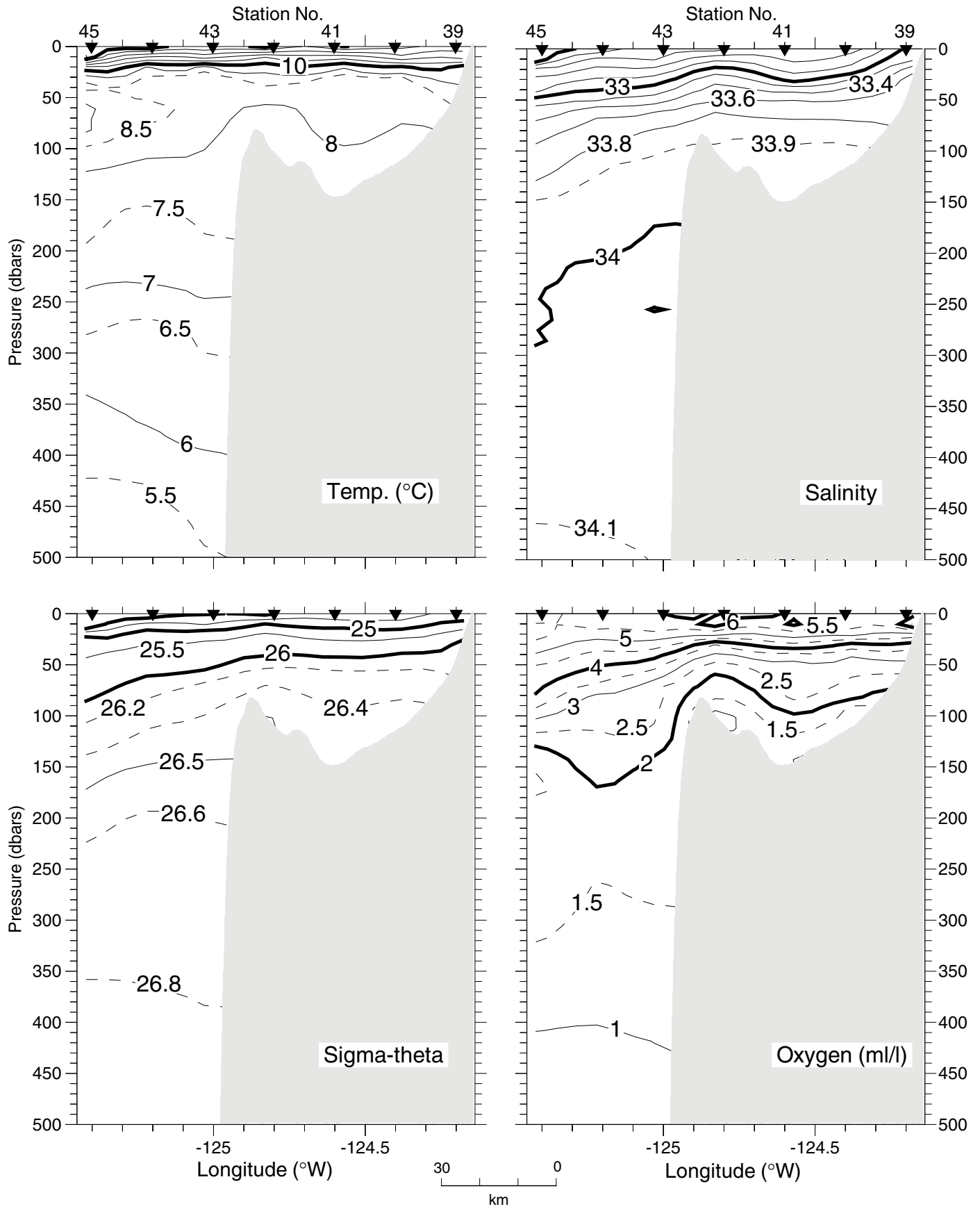
## Heceta Head Hydrographic Line 44°00'N

12-13 July 2000



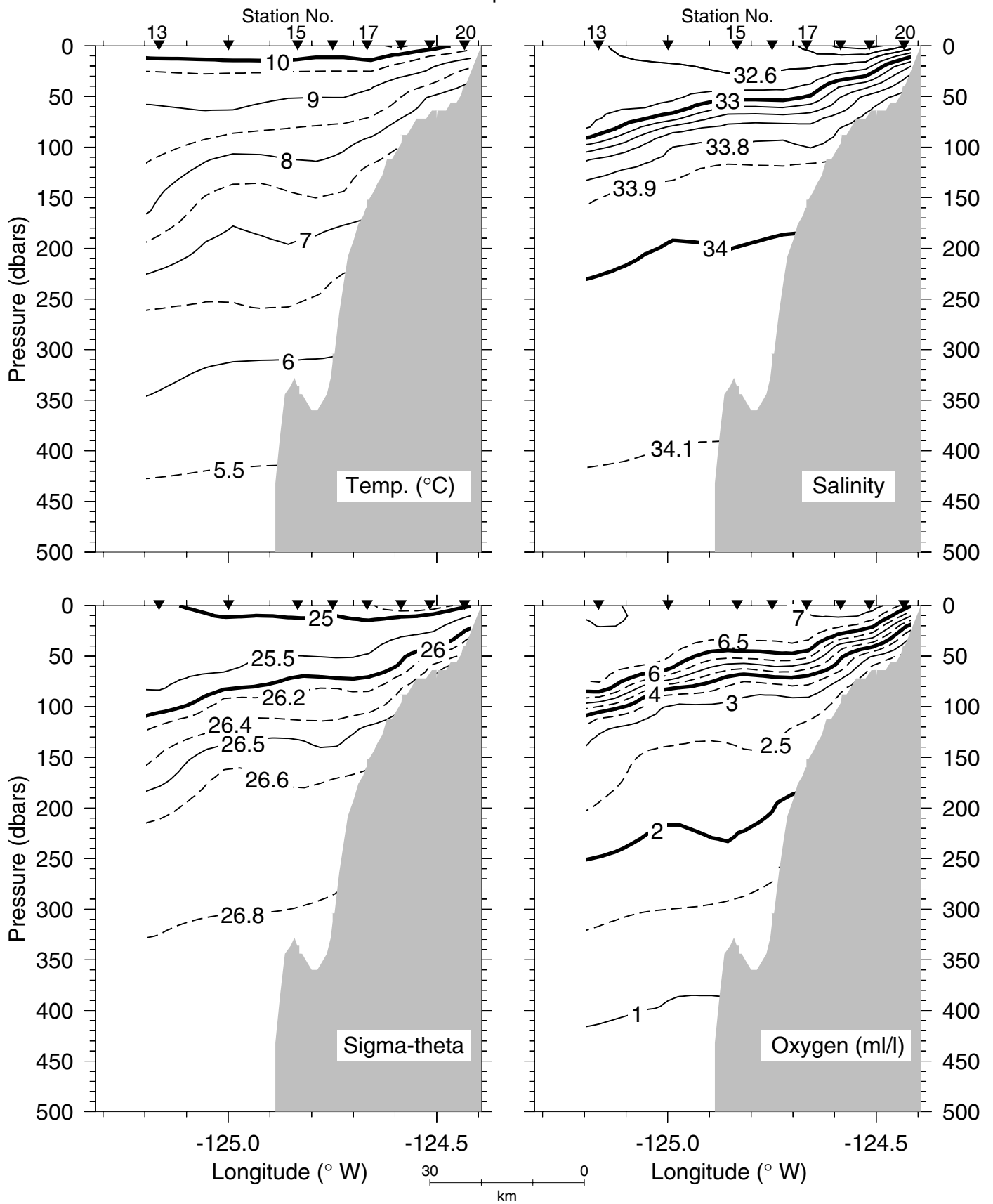
## Heceta Head Hydrographic Line 44°00'N

12 September 2000



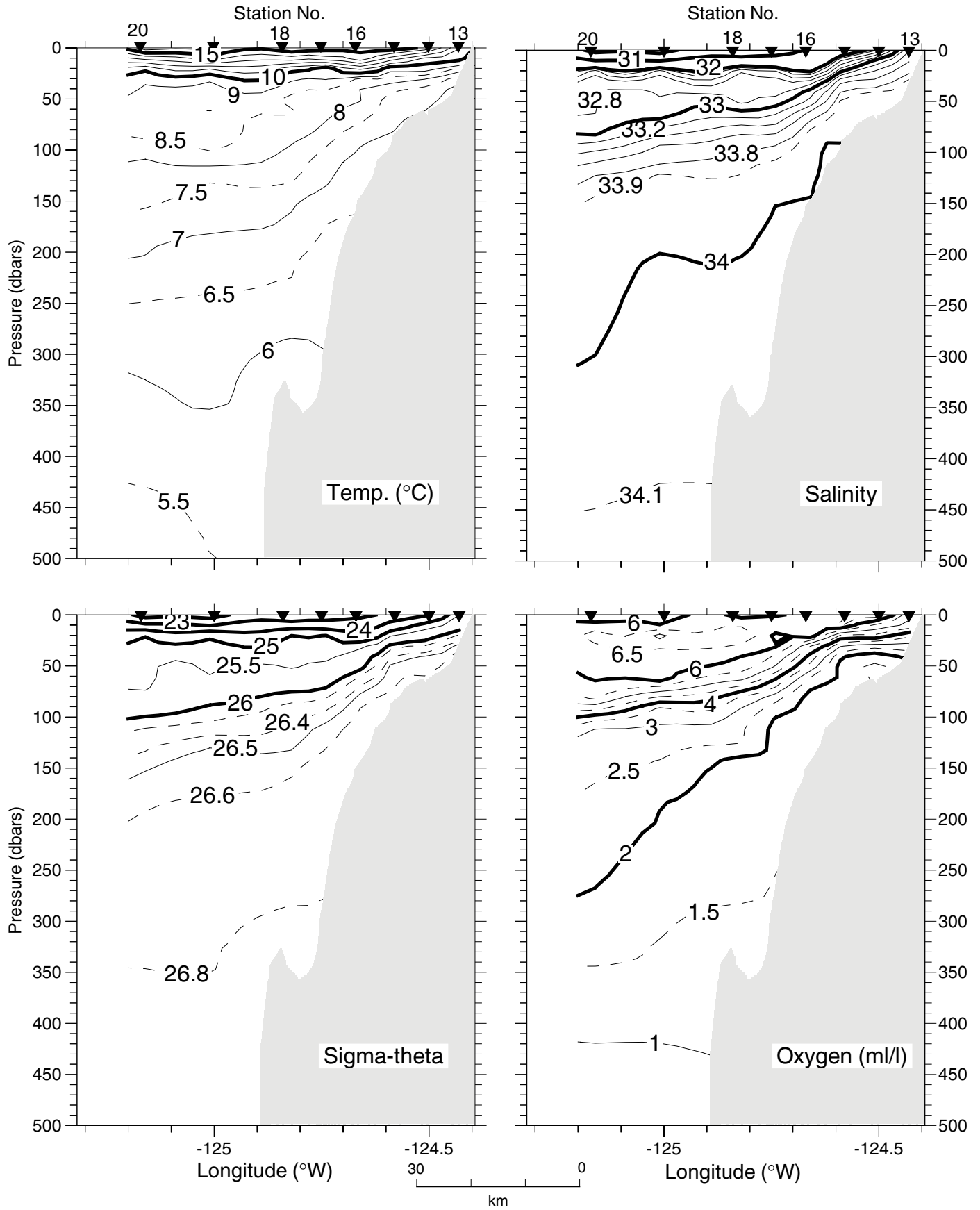
## Five Mile Hydrographic Line 43°13'N

21 April 1999



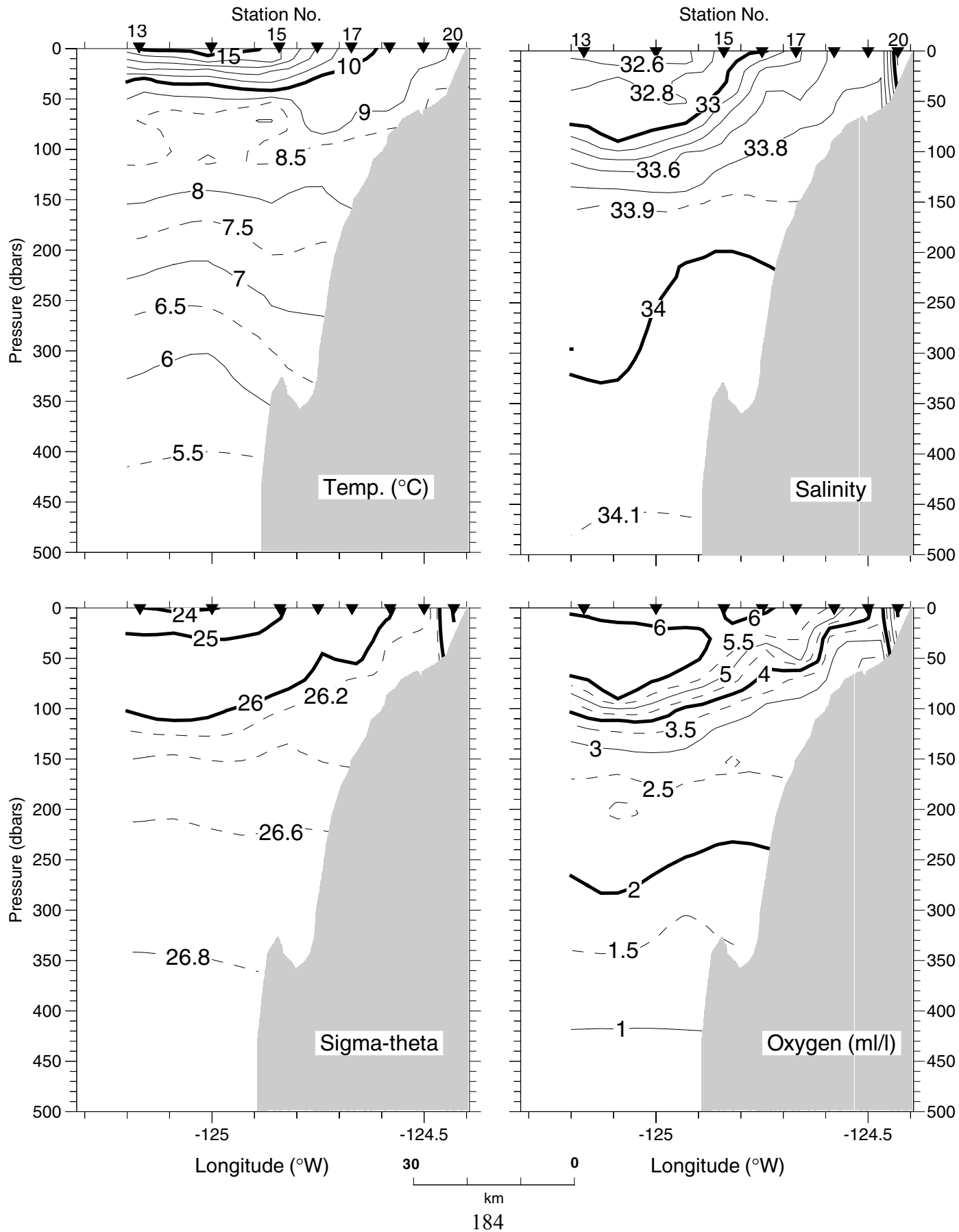
## Five Mile Hydrographic Line 43°13'N

9 July 1999



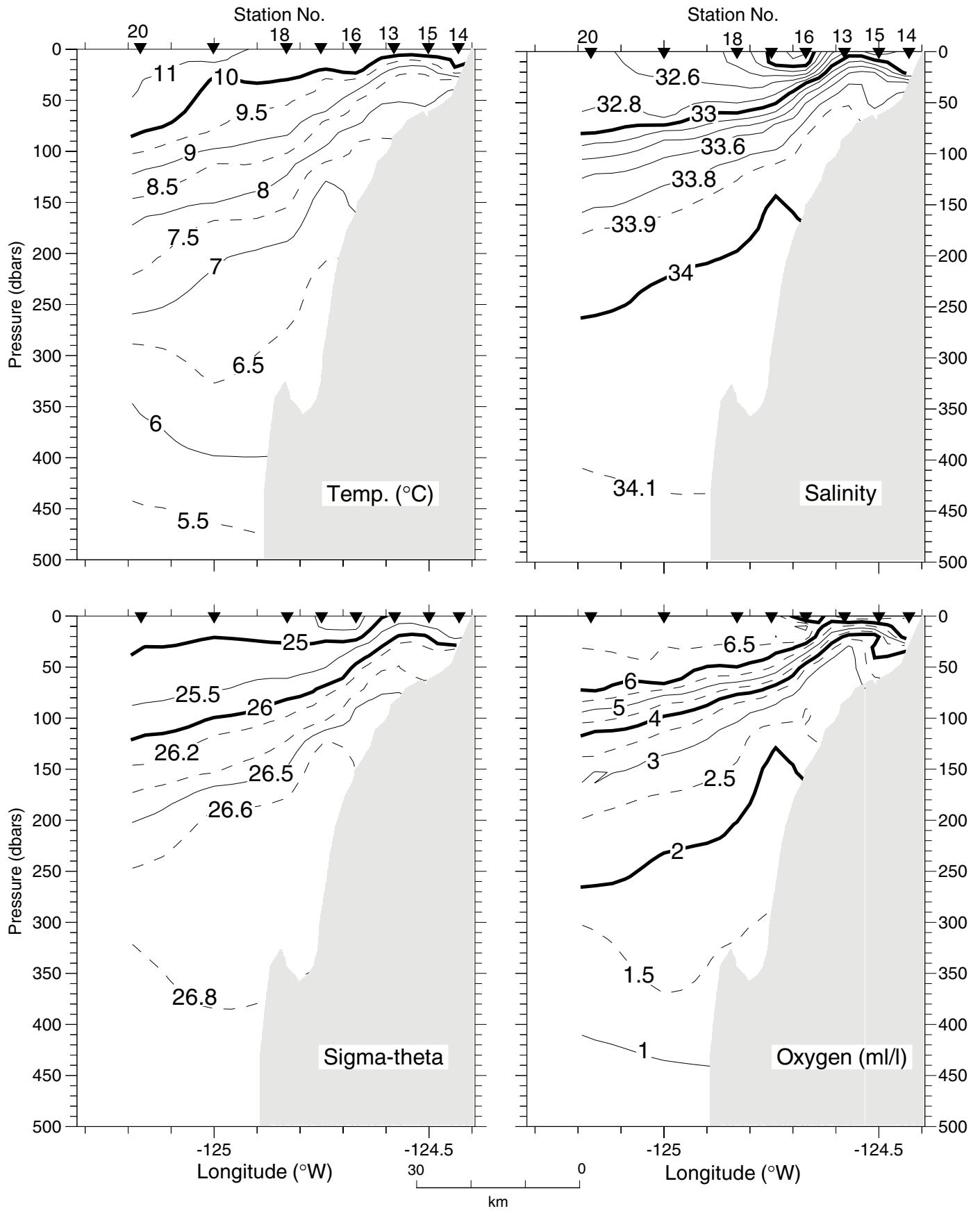
## Five Mile Hydrographic Line 43°13'N

24 September 1999



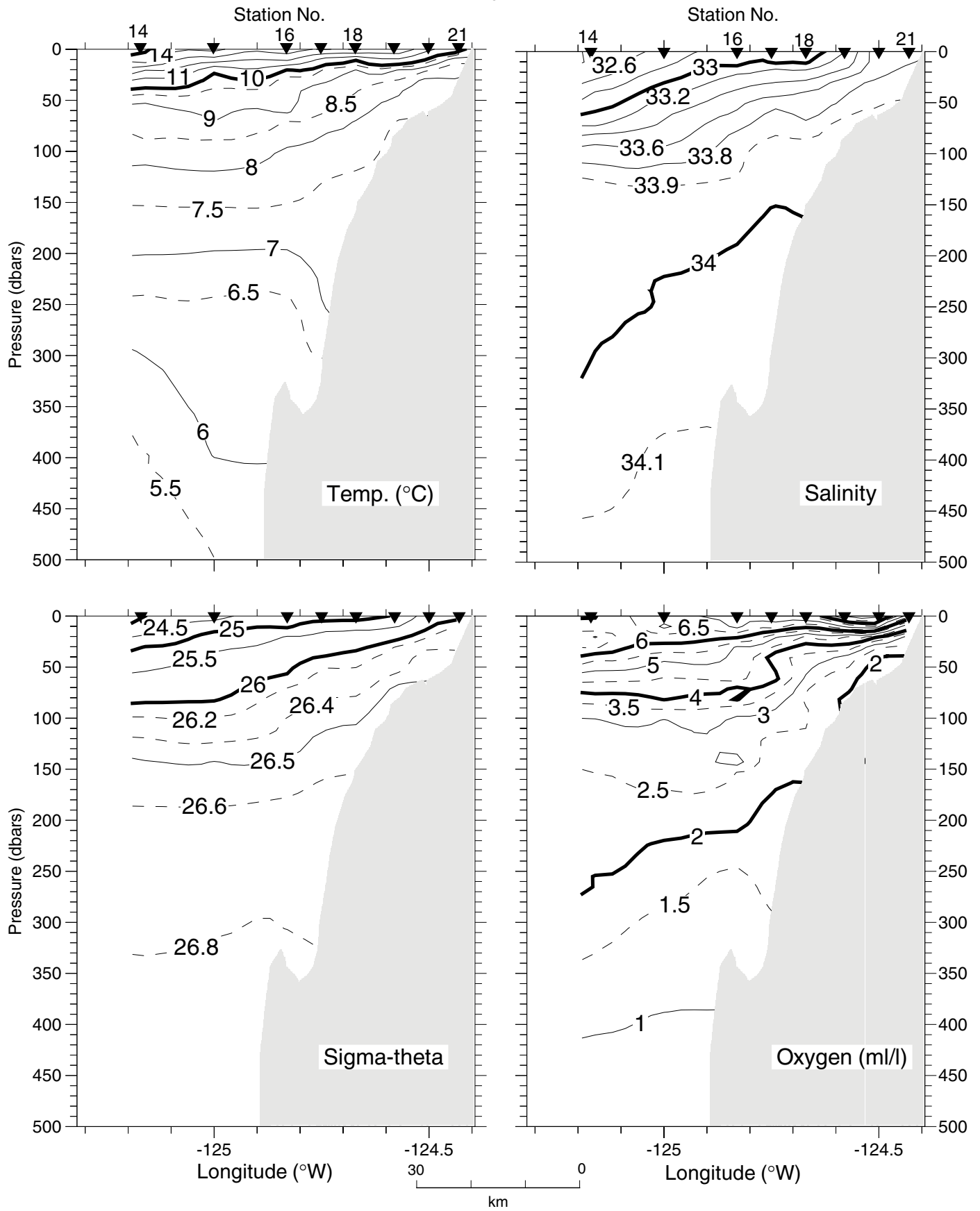
## Five Mile Hydrographic Line 43°13'N

13-14 April 2000



## Five Mile Hydrographic Line 43°13'N

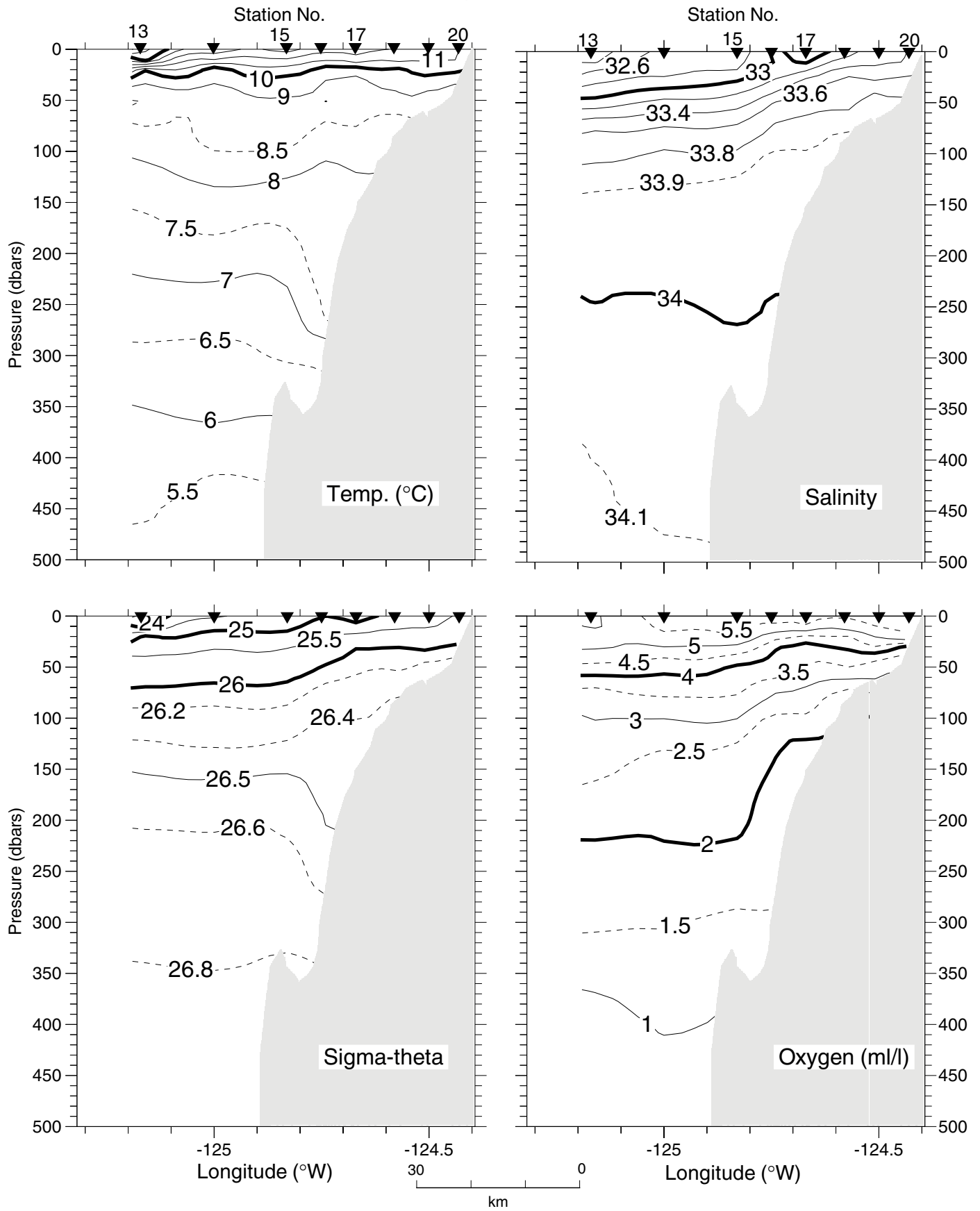
9 July 2000





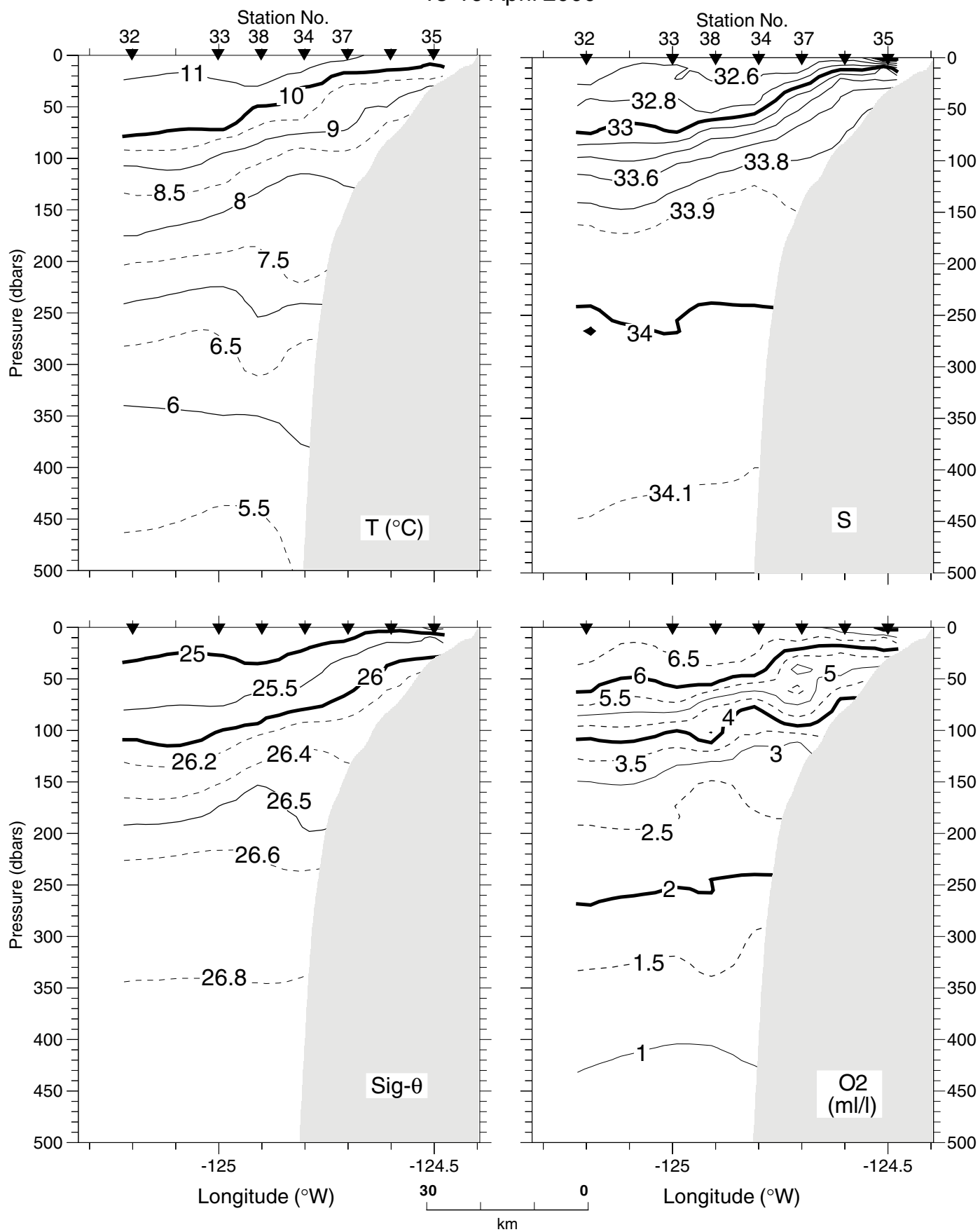
## Five Mile Hydrographic Line 43°13'N

8-9 September 2000



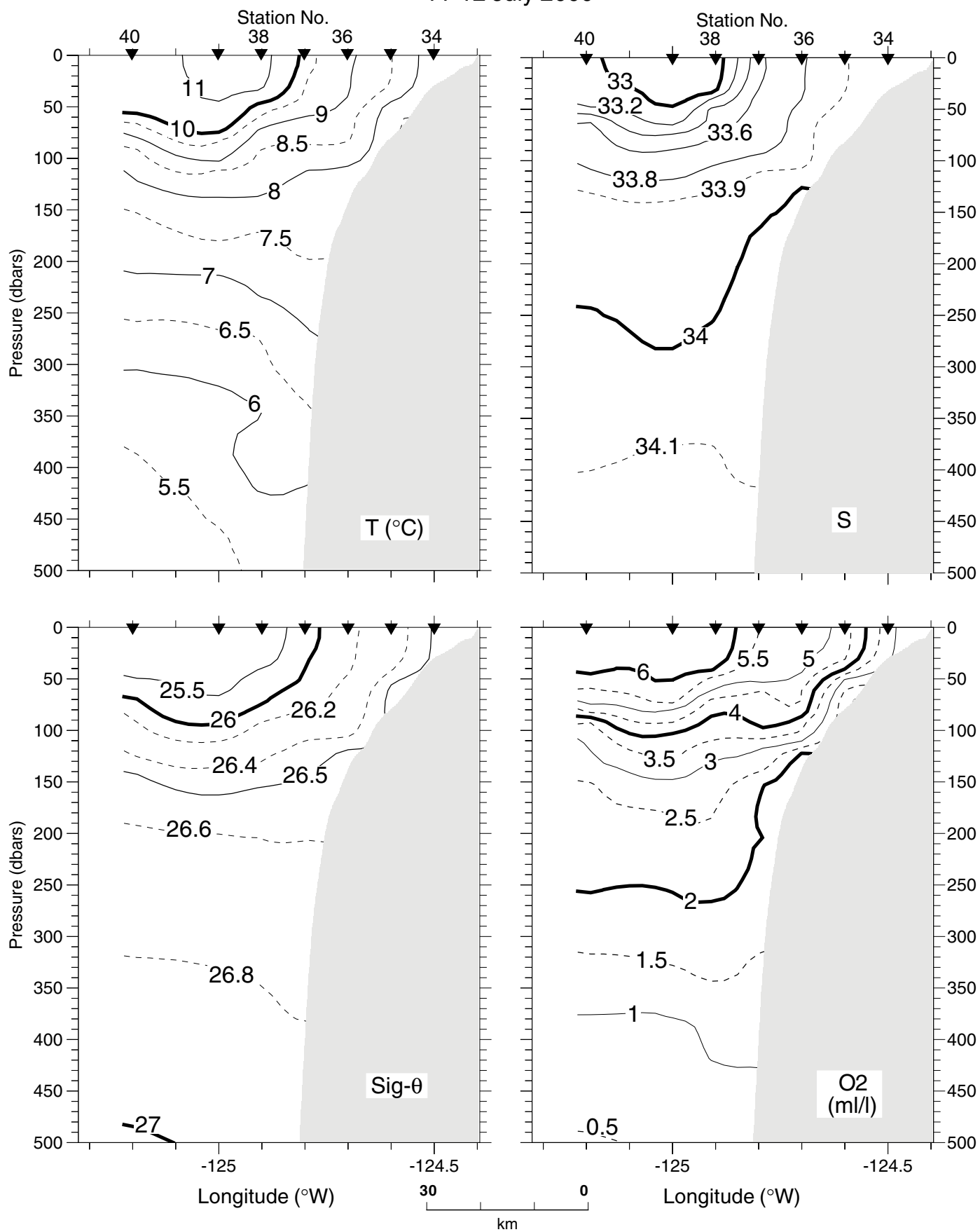
## Rogue River Hydrographic Line 42°30'N

15-16 April 2000



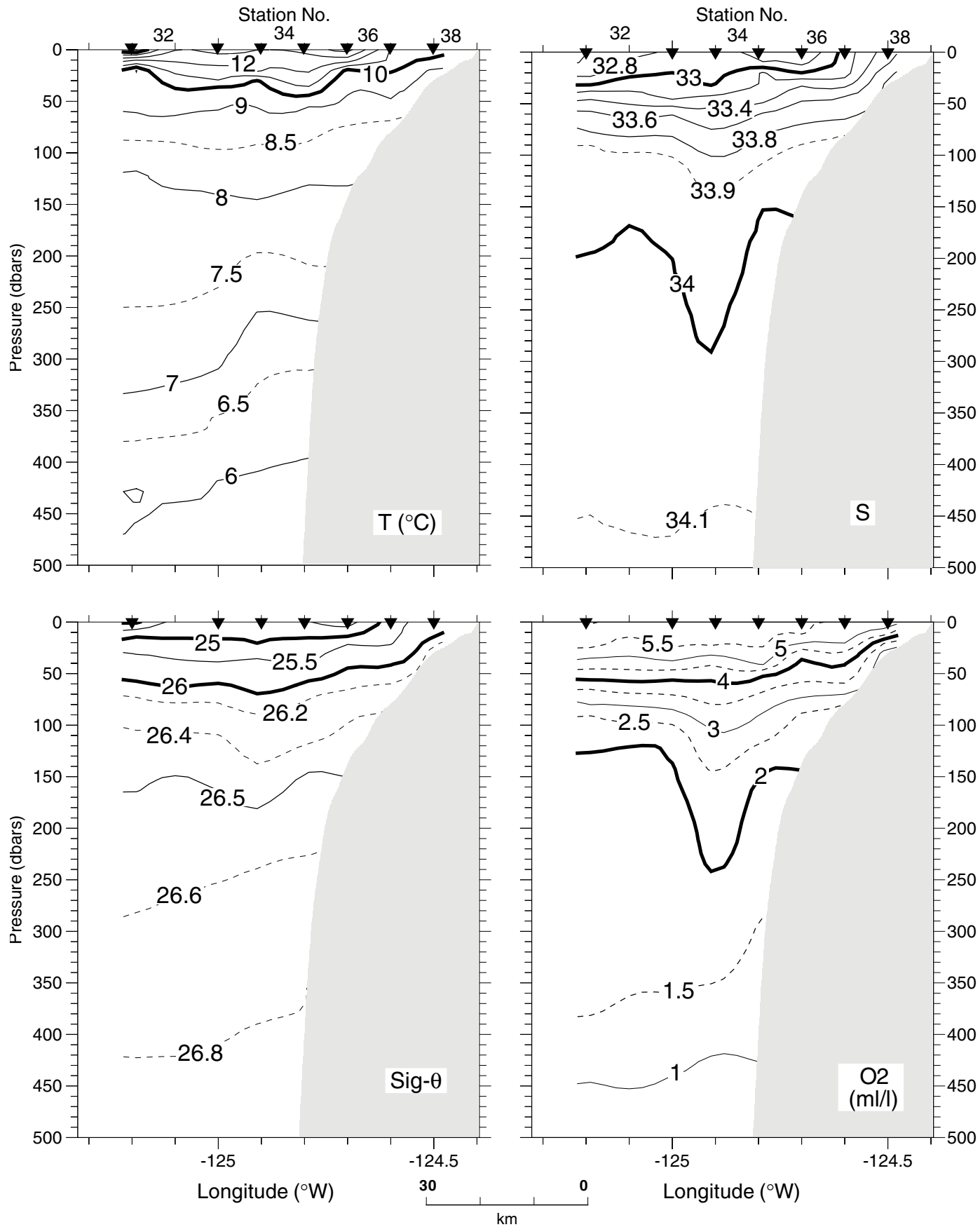
## Rogue River Hydrographic Line 42°30'N

11-12 July 2000



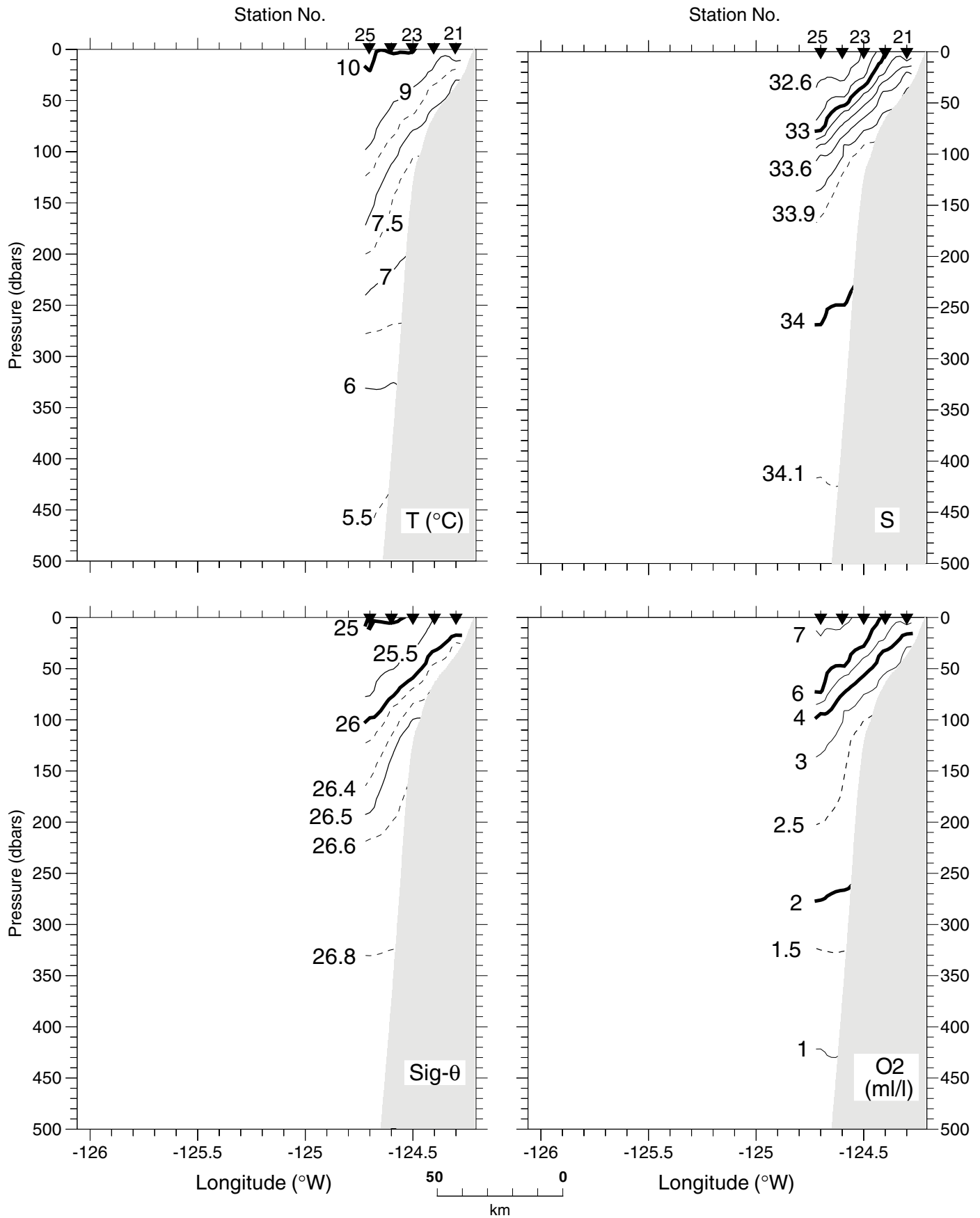
## Rogue River Hydrographic Line 42°30'N

11 September 2000



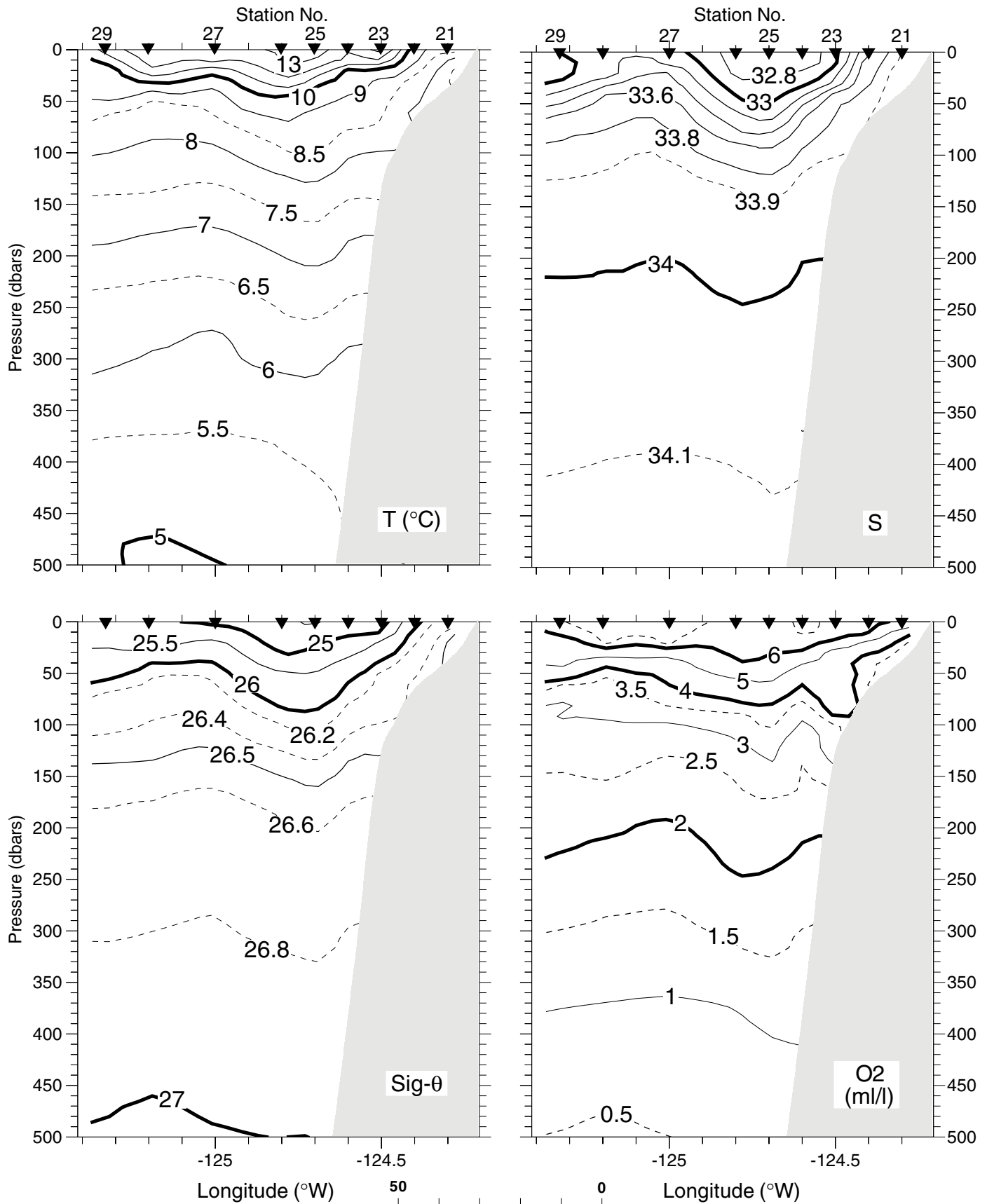
## Crescent City Hydrographic Line 41°54'N

21-22 April 1999



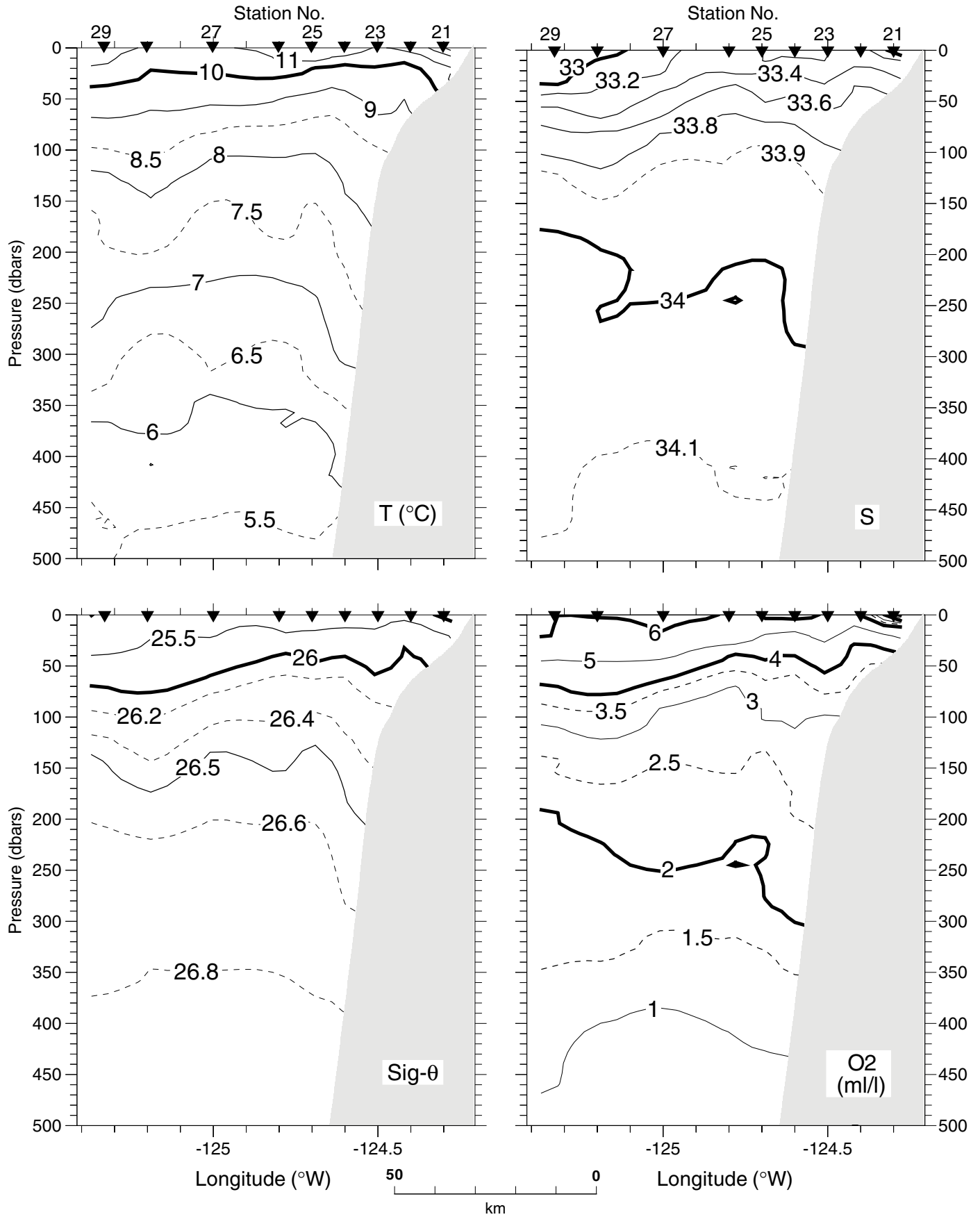
## Crescent City Hydrographic Line 41°54'N

5-6 July 1999



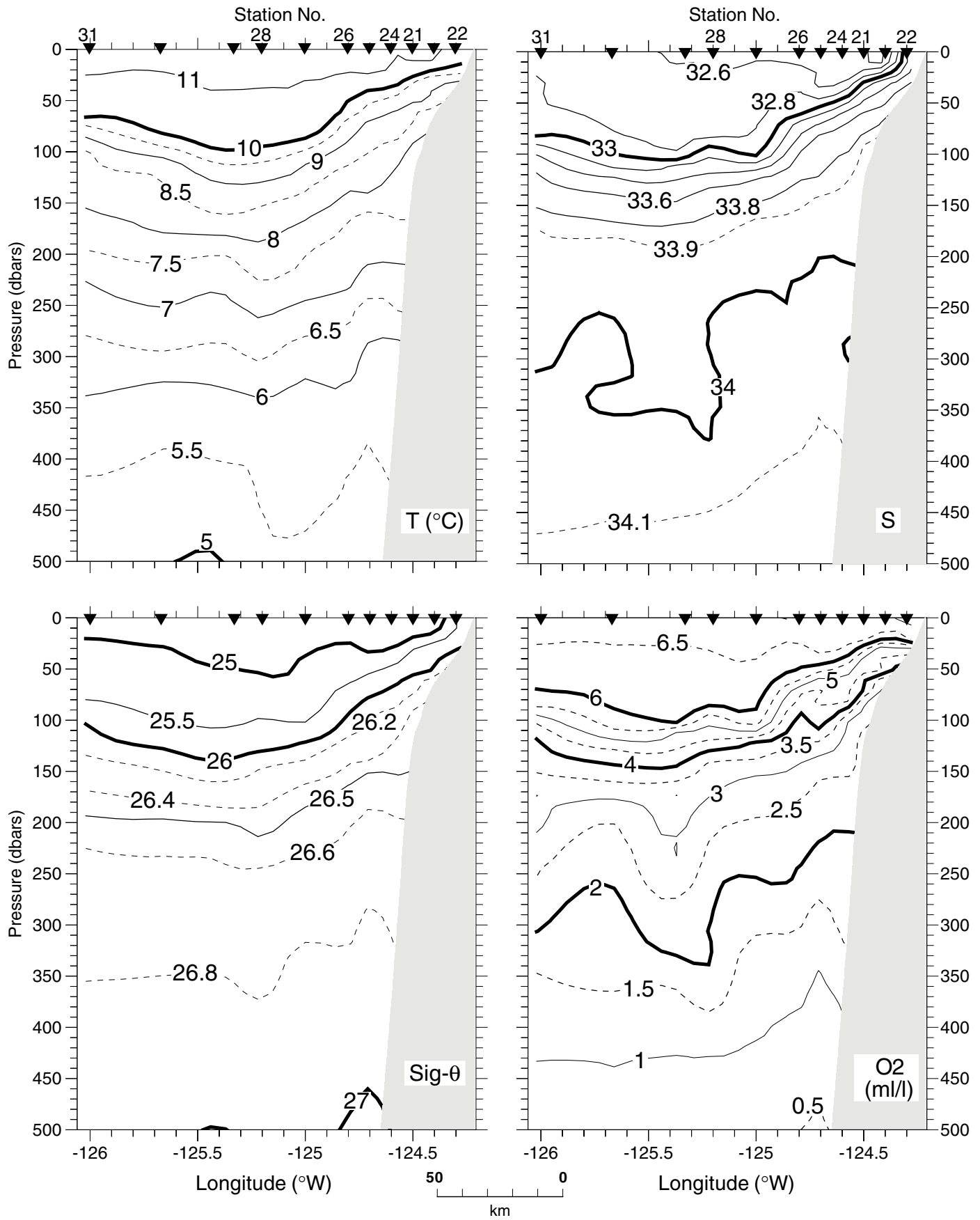
## Crescent City Hydrographic Line 41°54'N

24-25 September 1999



## Crescent City Hydrographic Line 41°54'N

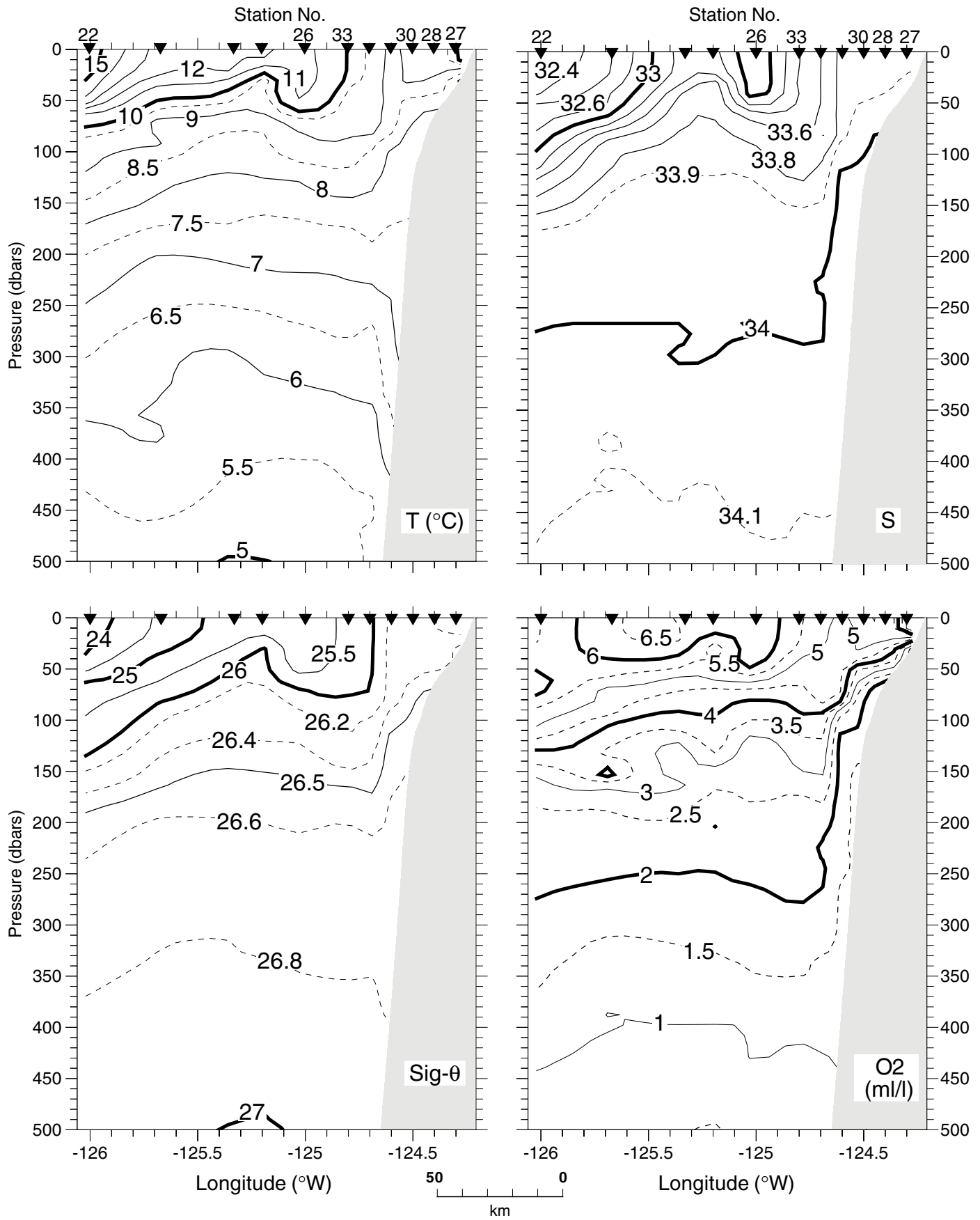
14-15 April 2000





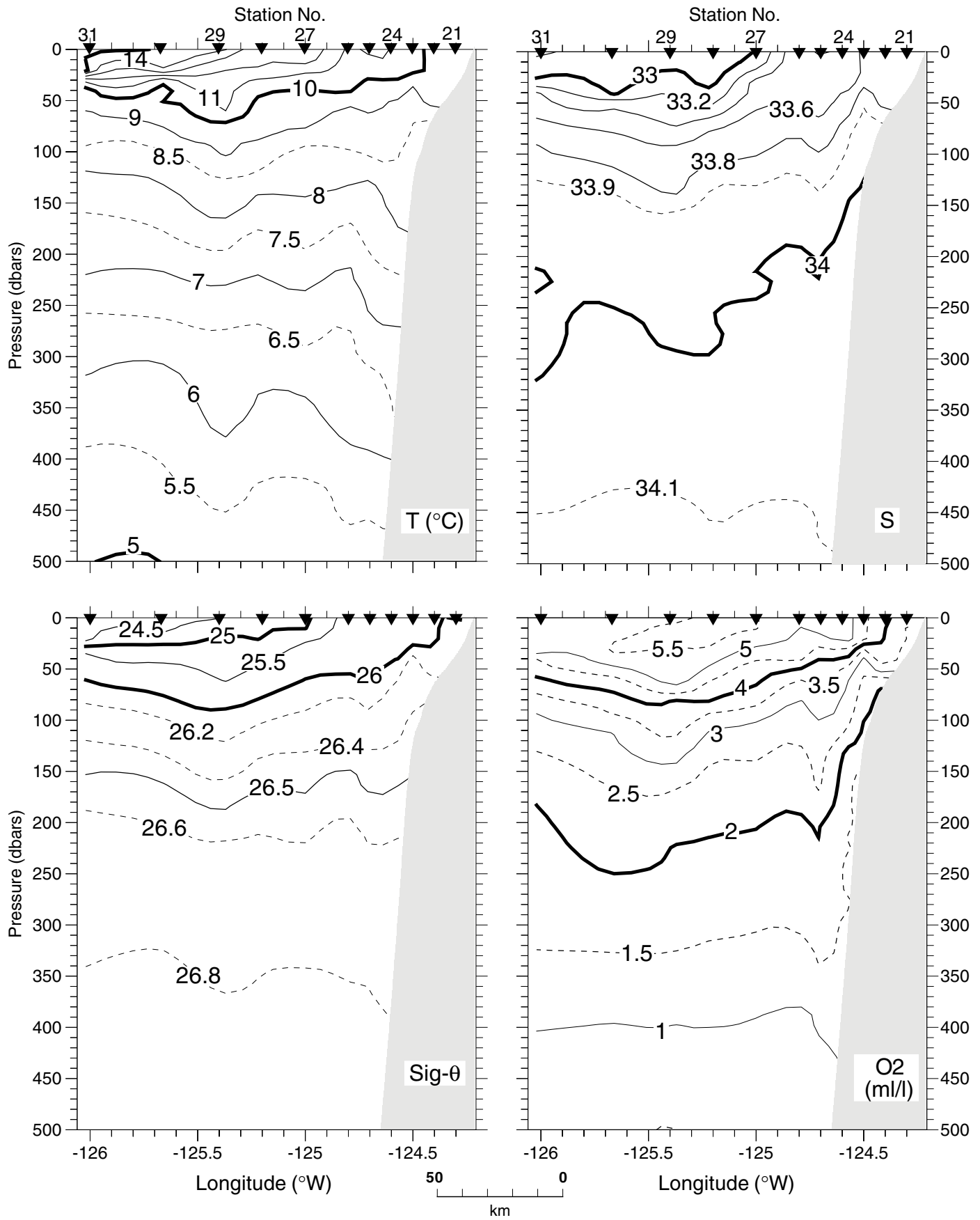
## Crescent City Hydrographic Line 41°54'N

10-11 July 2000



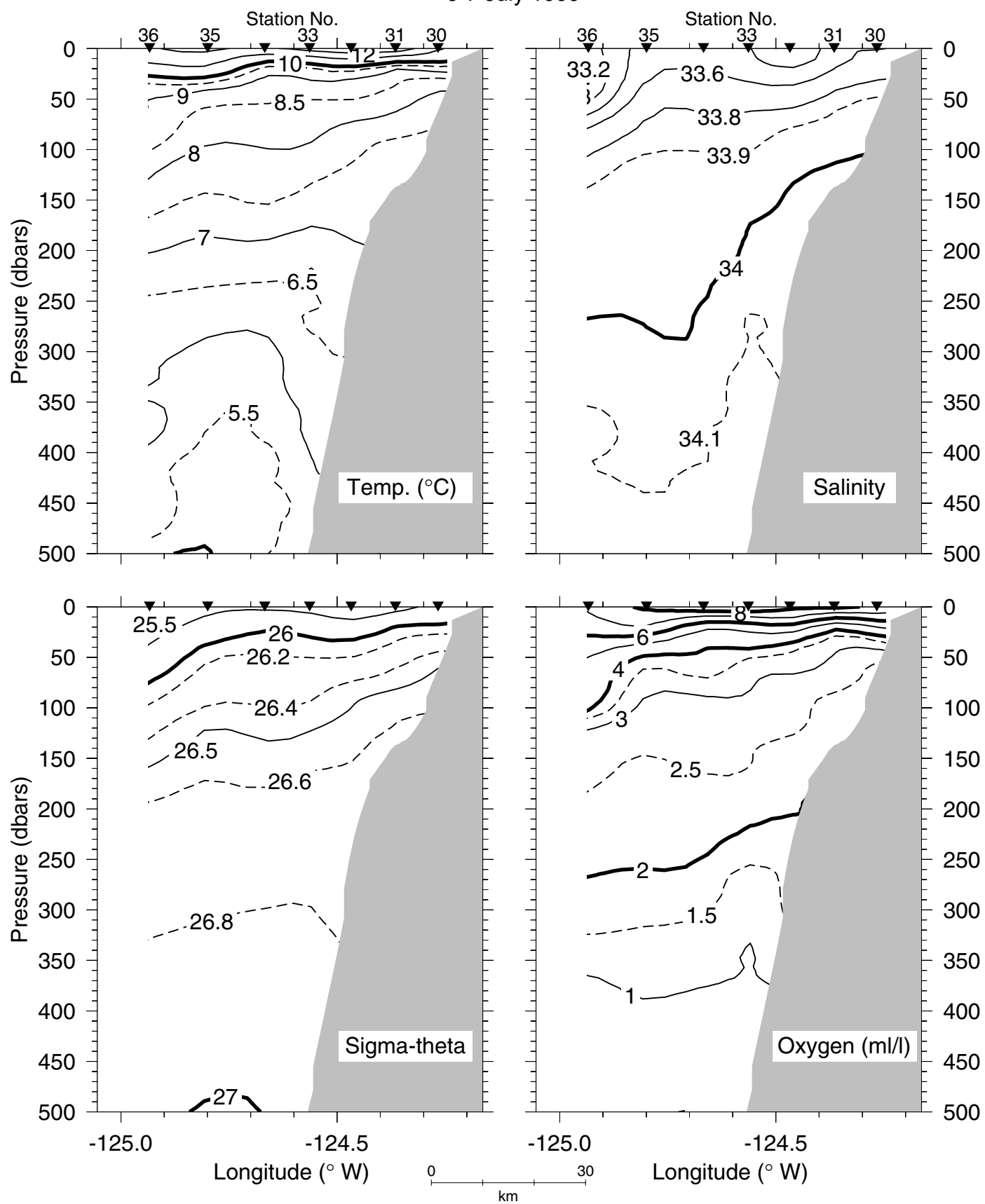
## Crescent City Hydrographic Line 41°54'N

10 September 2000



## Eureka Hydrographic Line 40°52'N

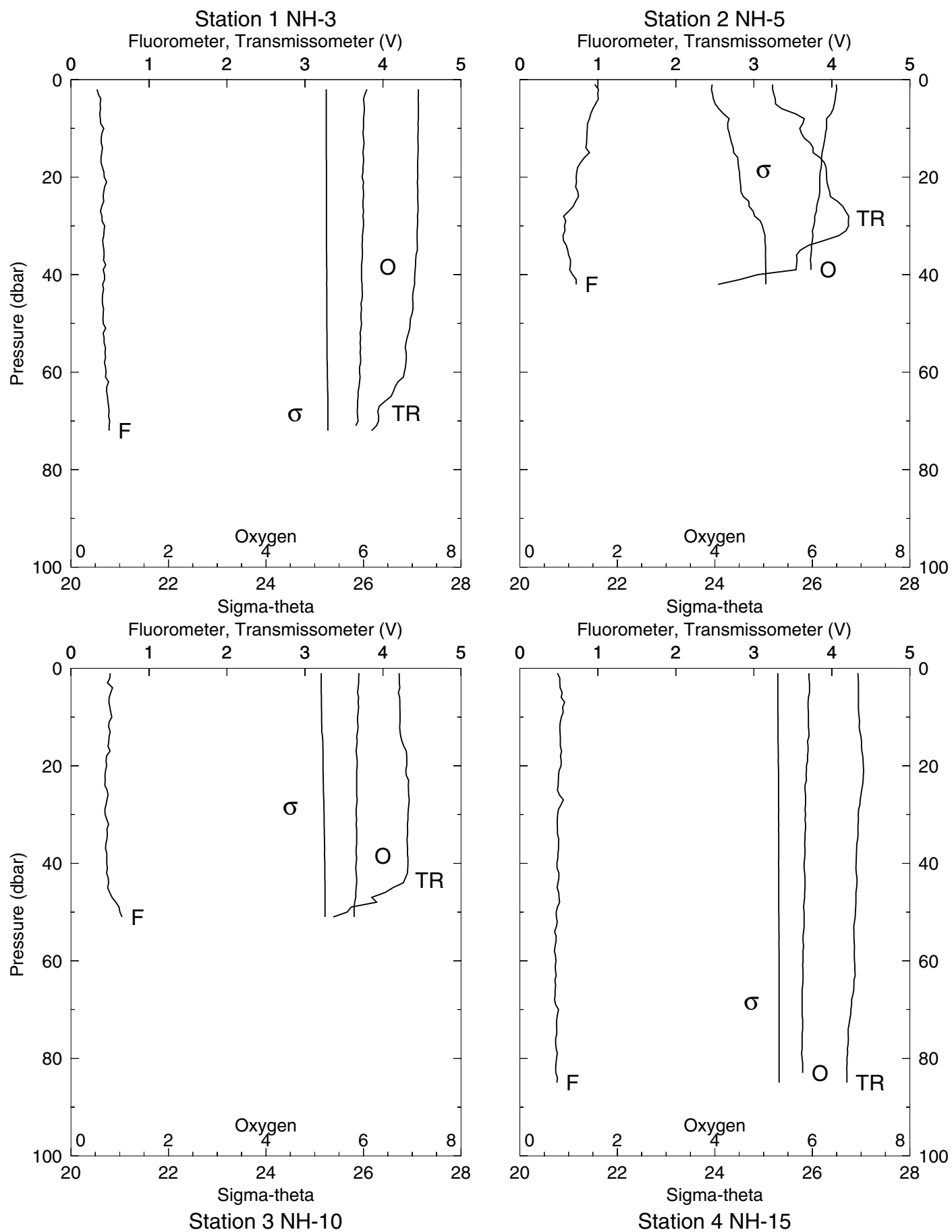
6-7 July 1999

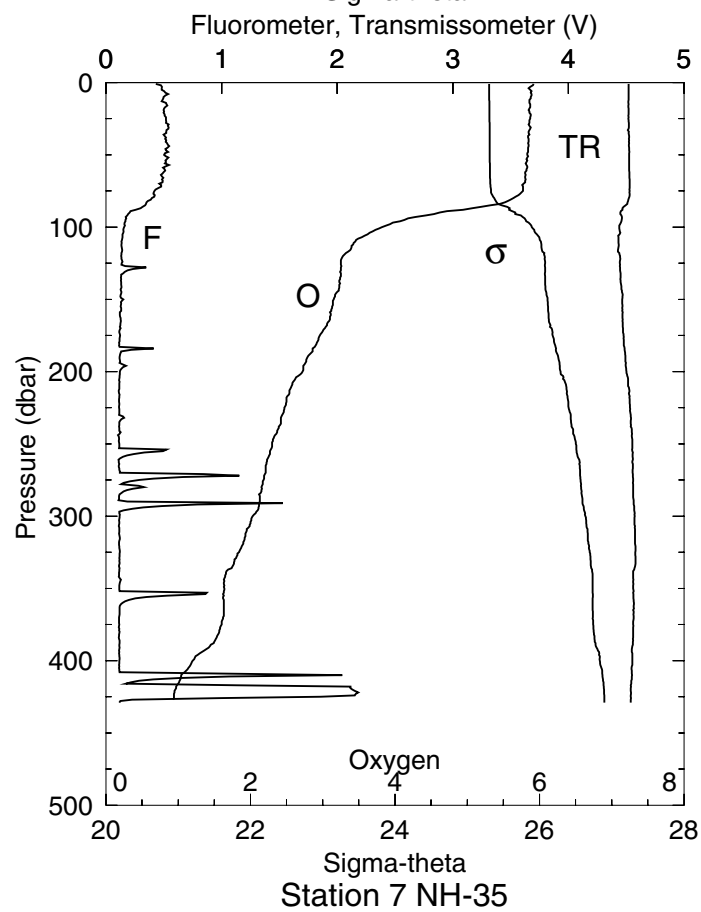
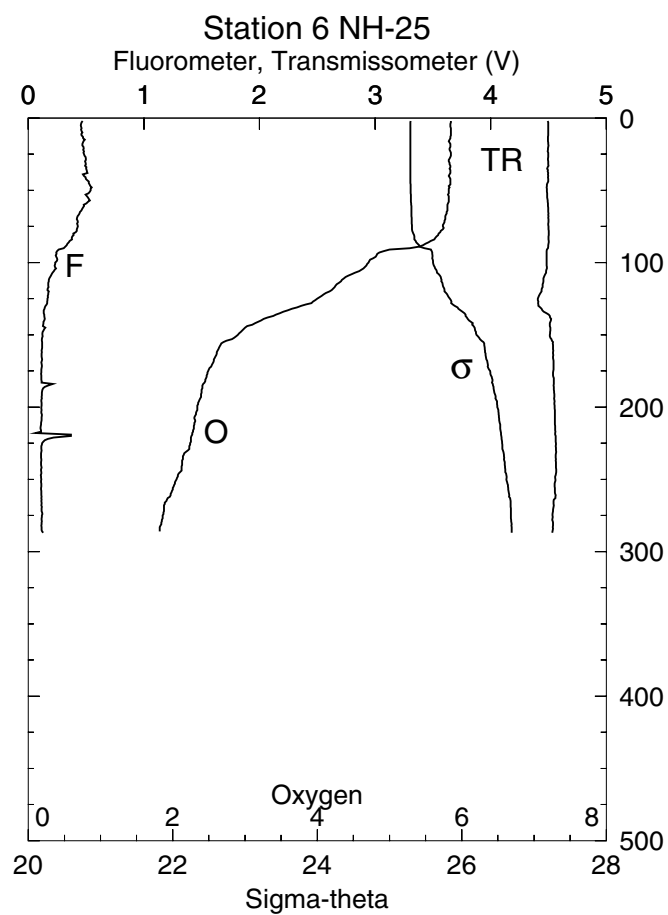
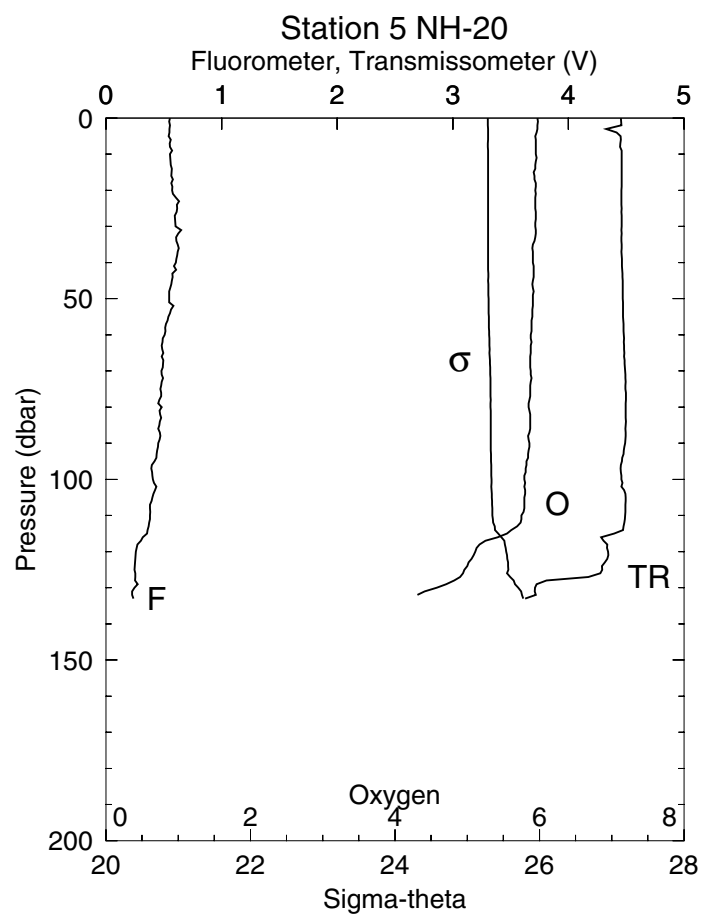


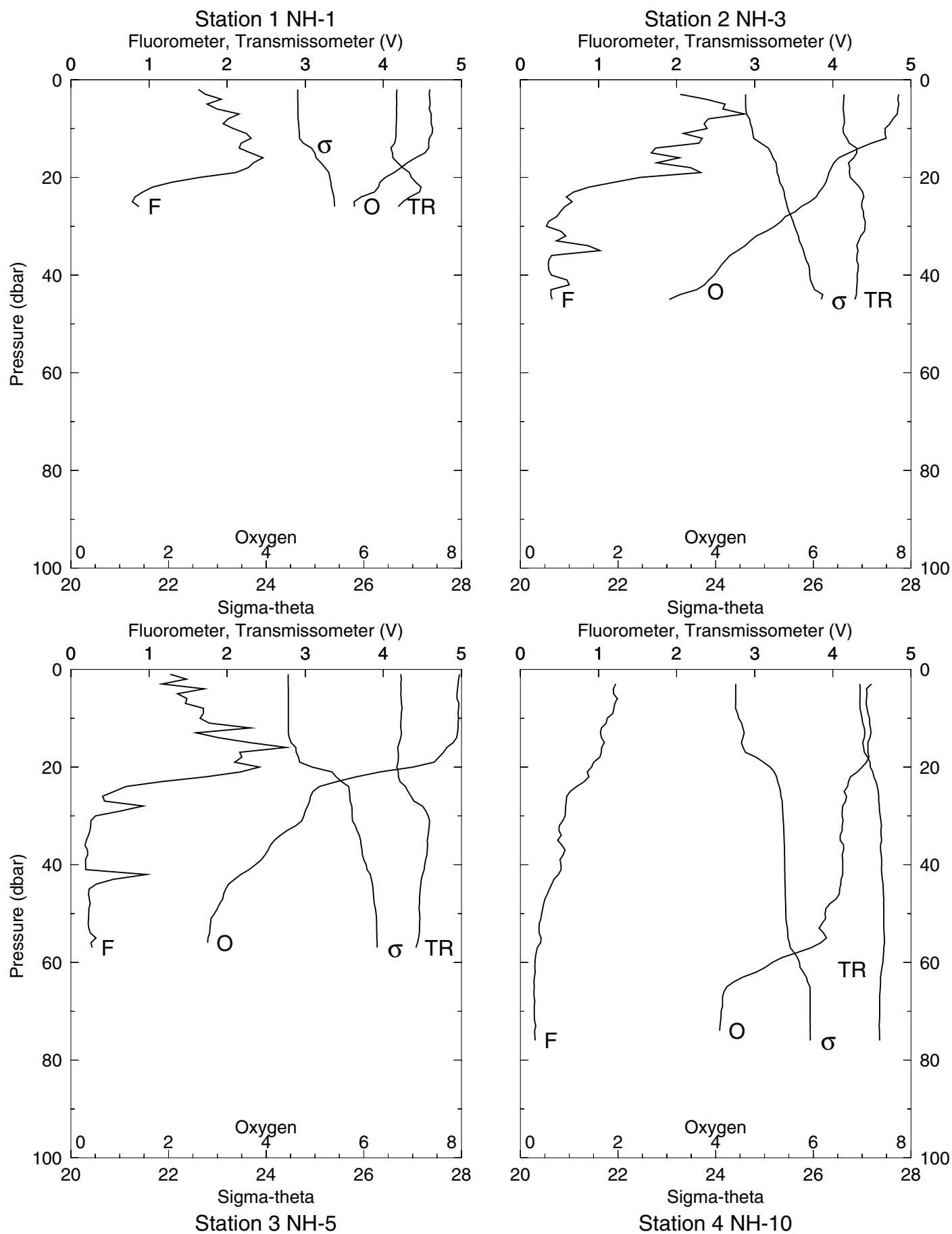


## Appendix A

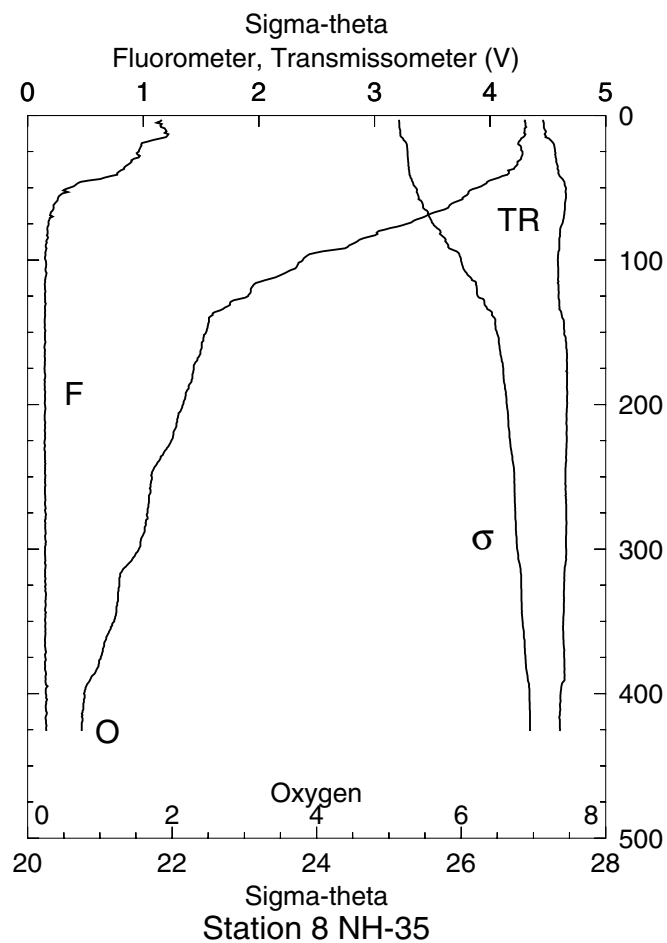
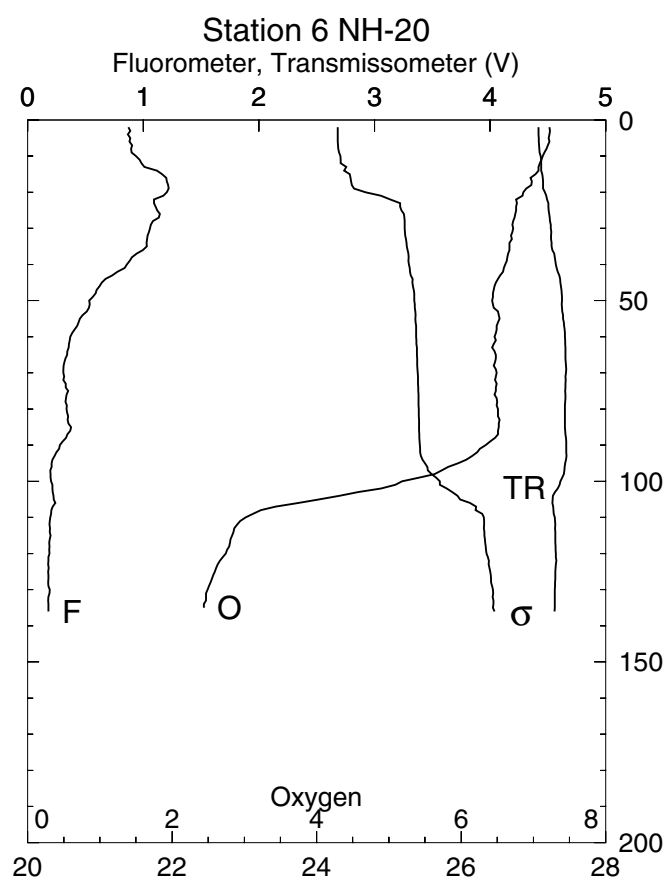
Vertical Profiles of Fluorometer Voltage (F),  
Transmissometer Voltage (TR),  
and Dissolved Oxygen (O)  
with the Density Anomaly ( $\sigma$ ) for reference

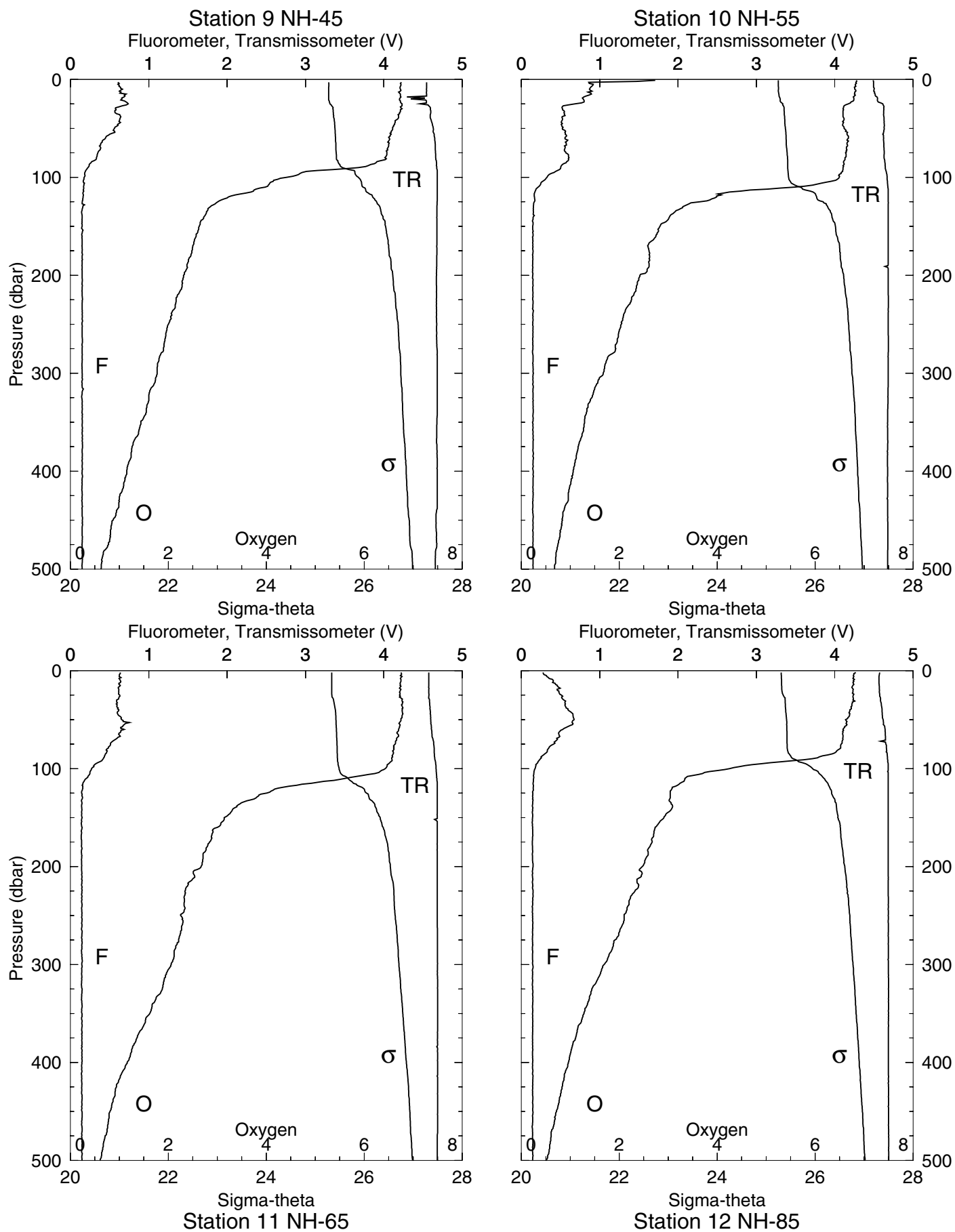


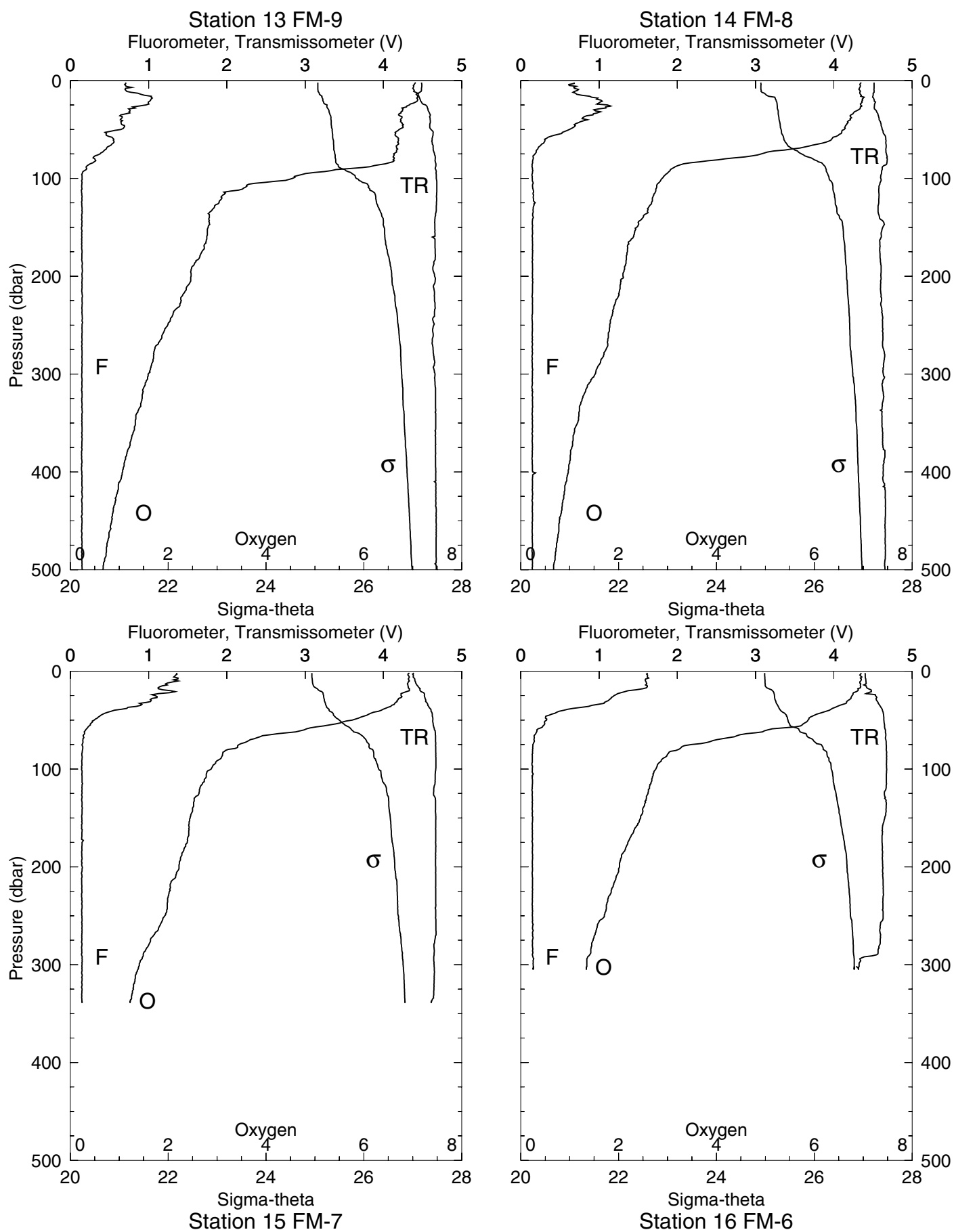


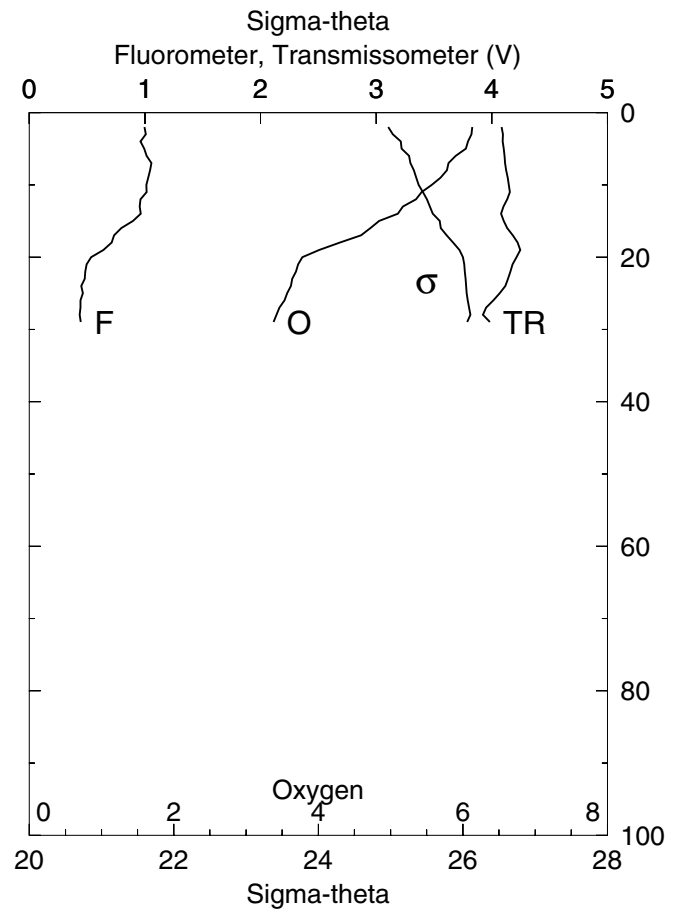
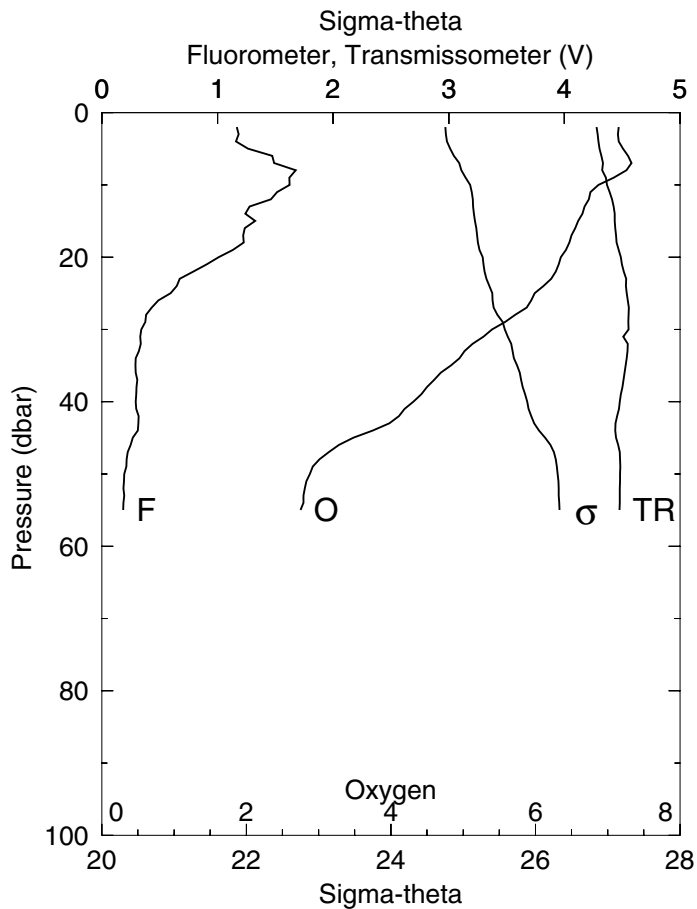
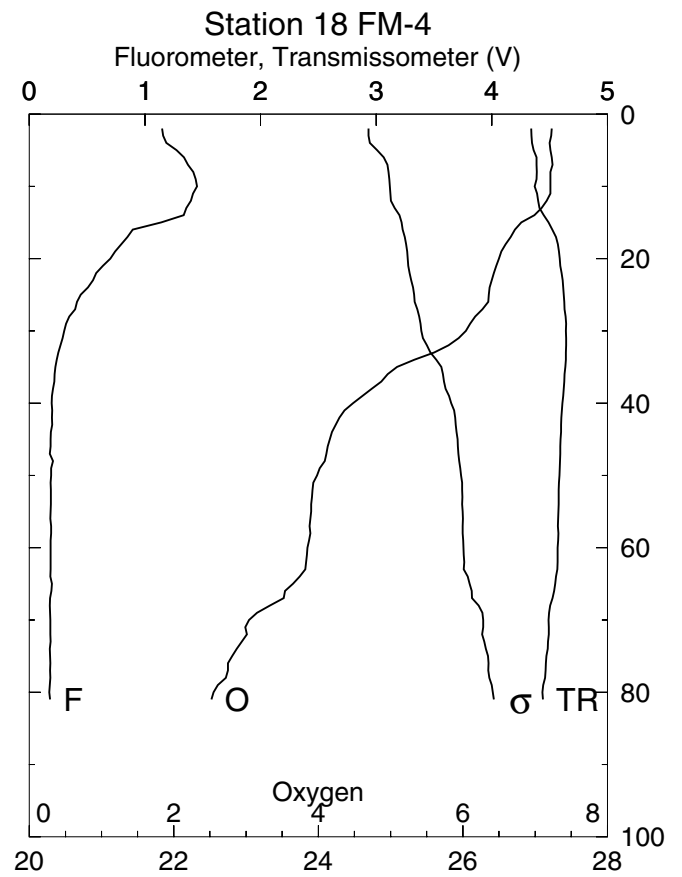
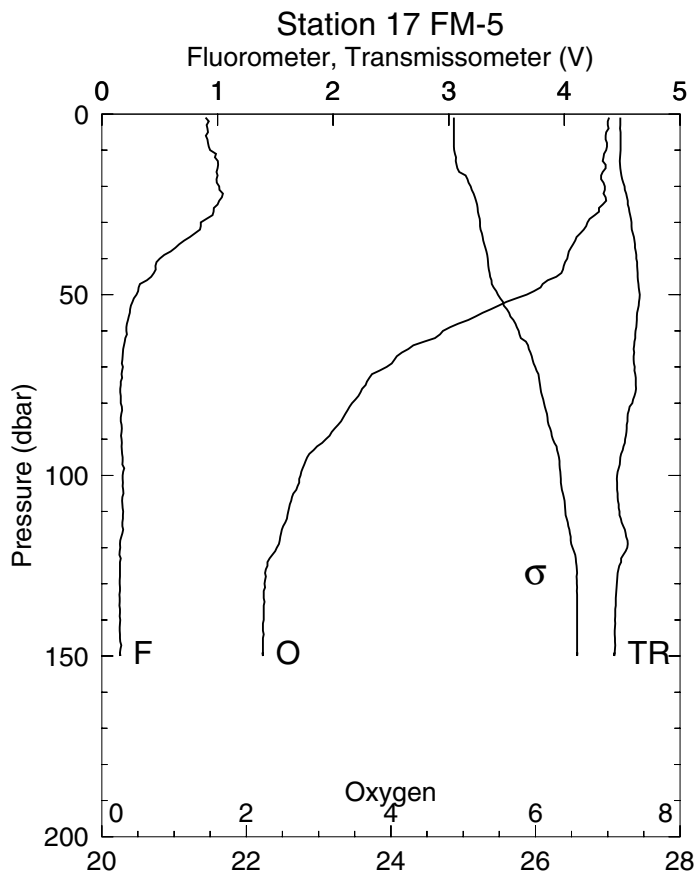


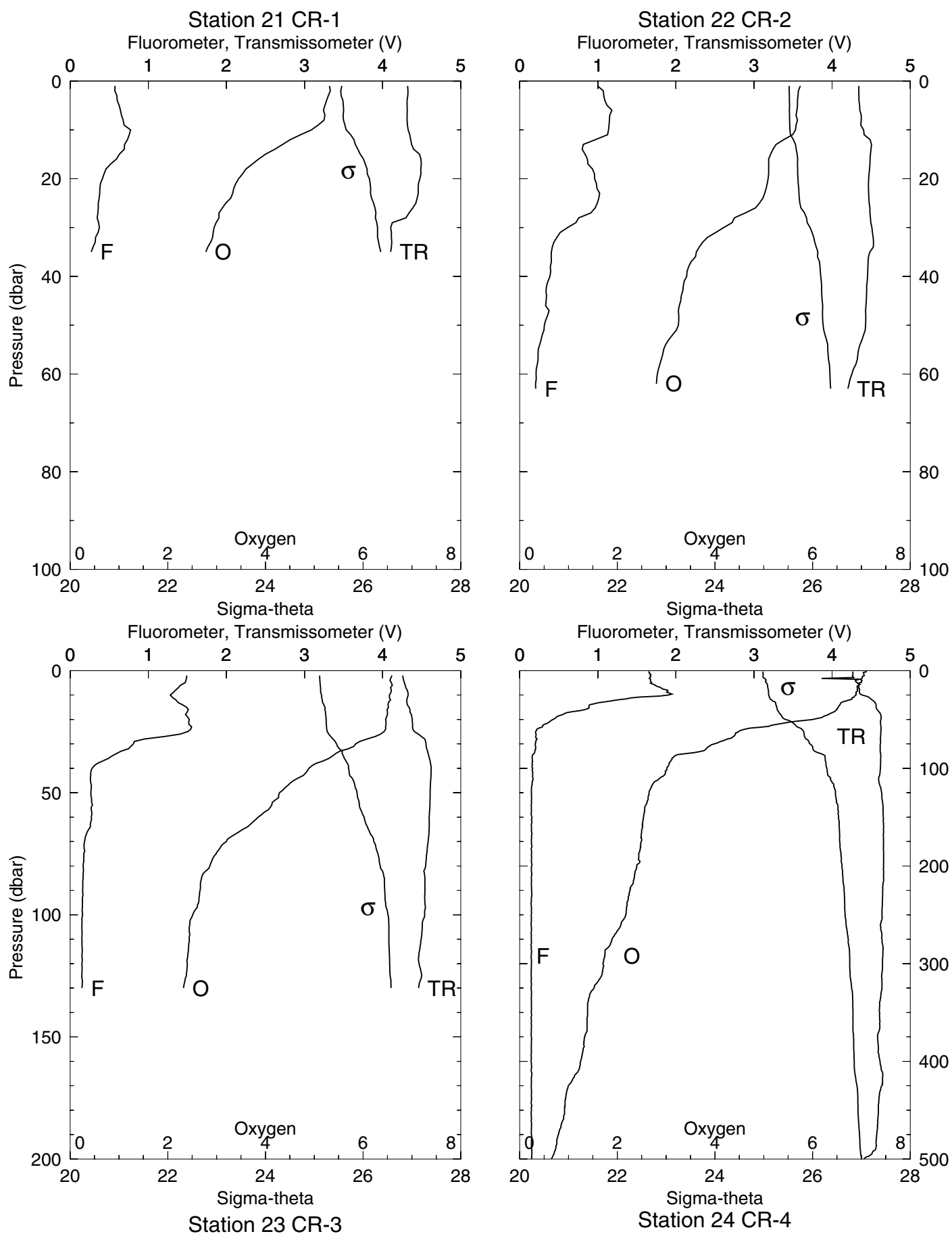


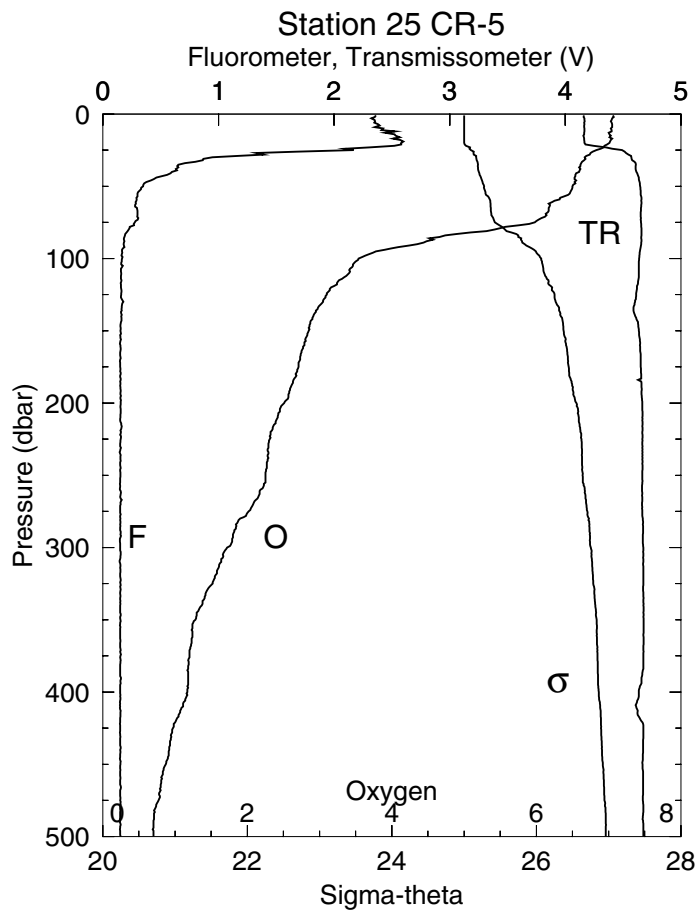


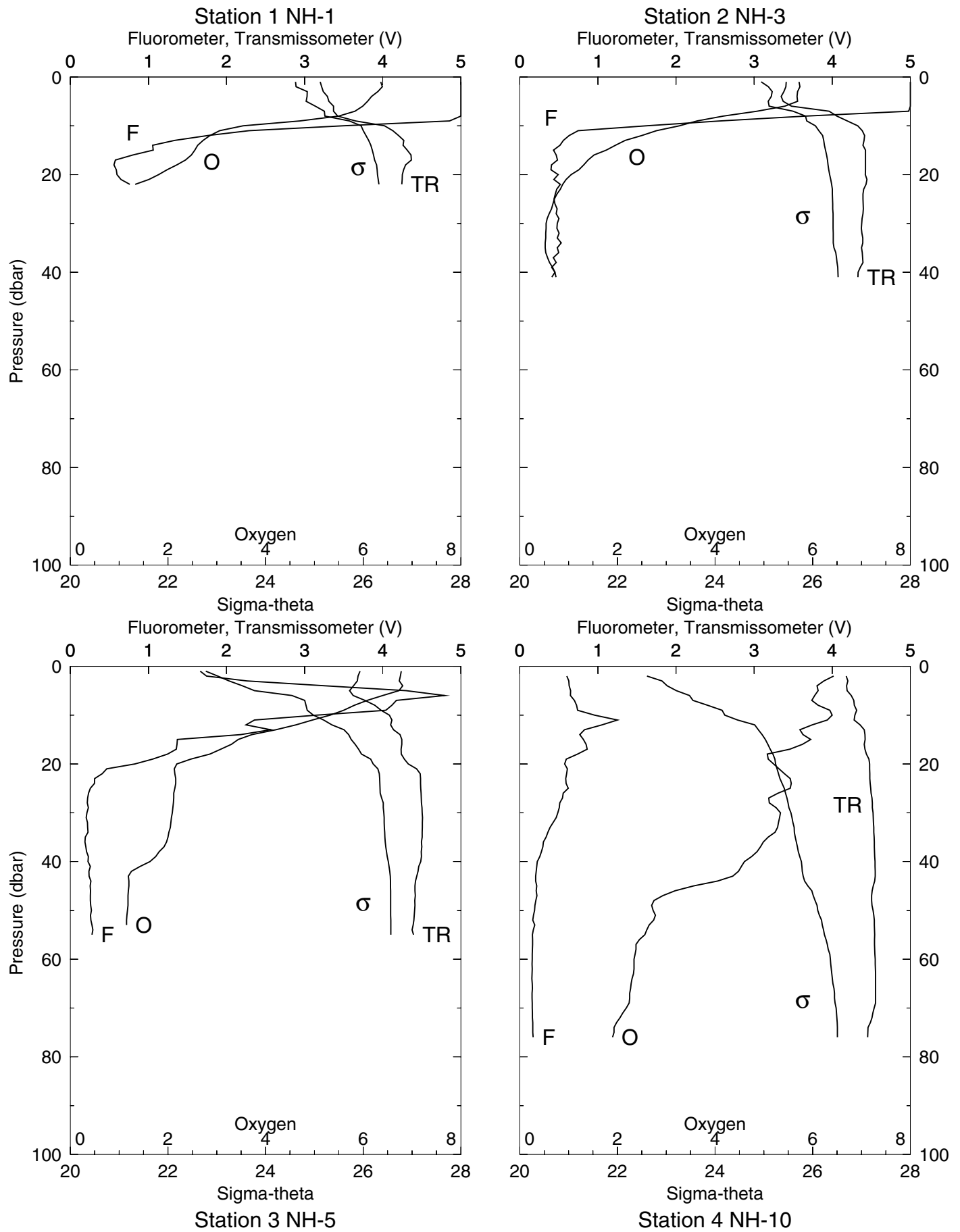


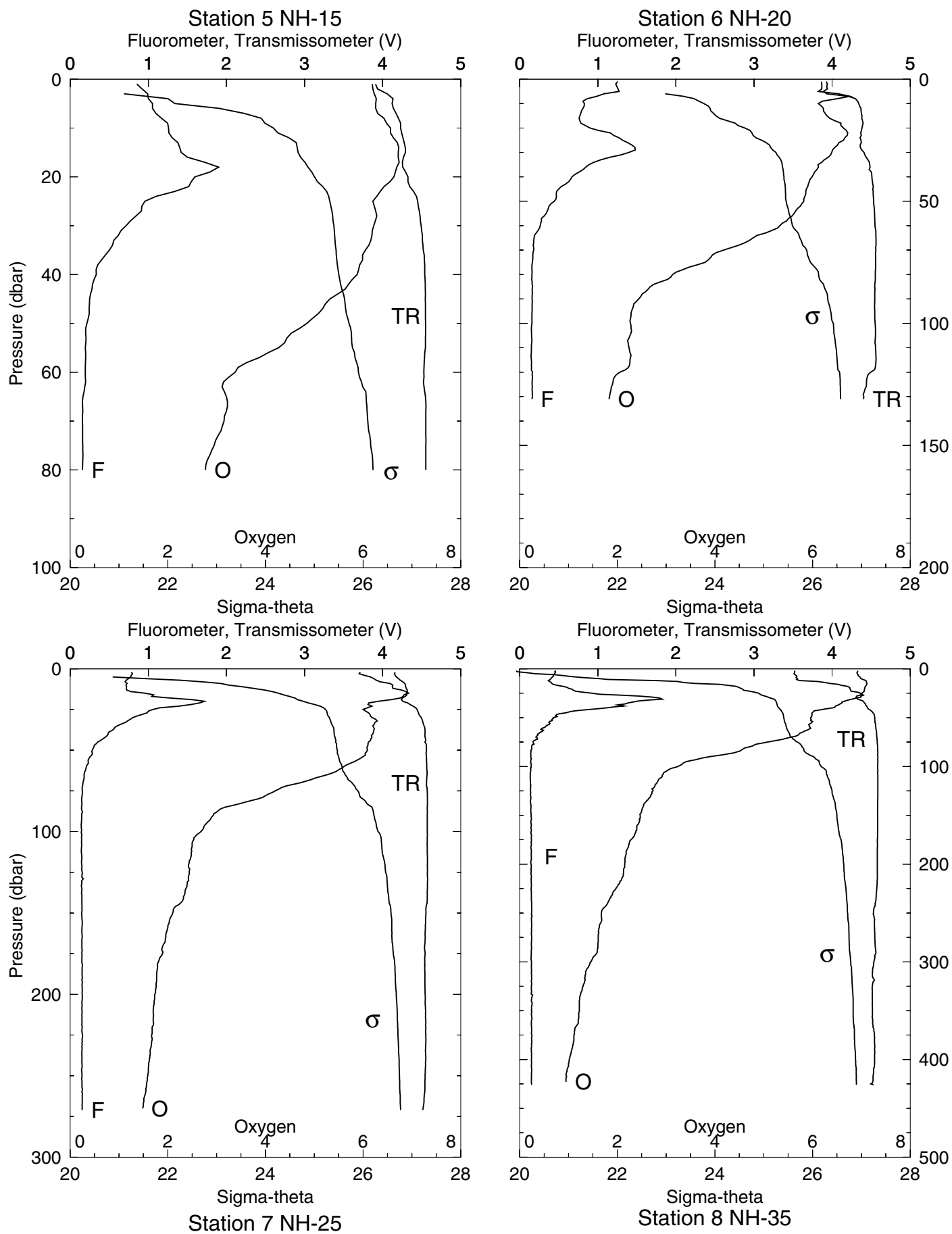




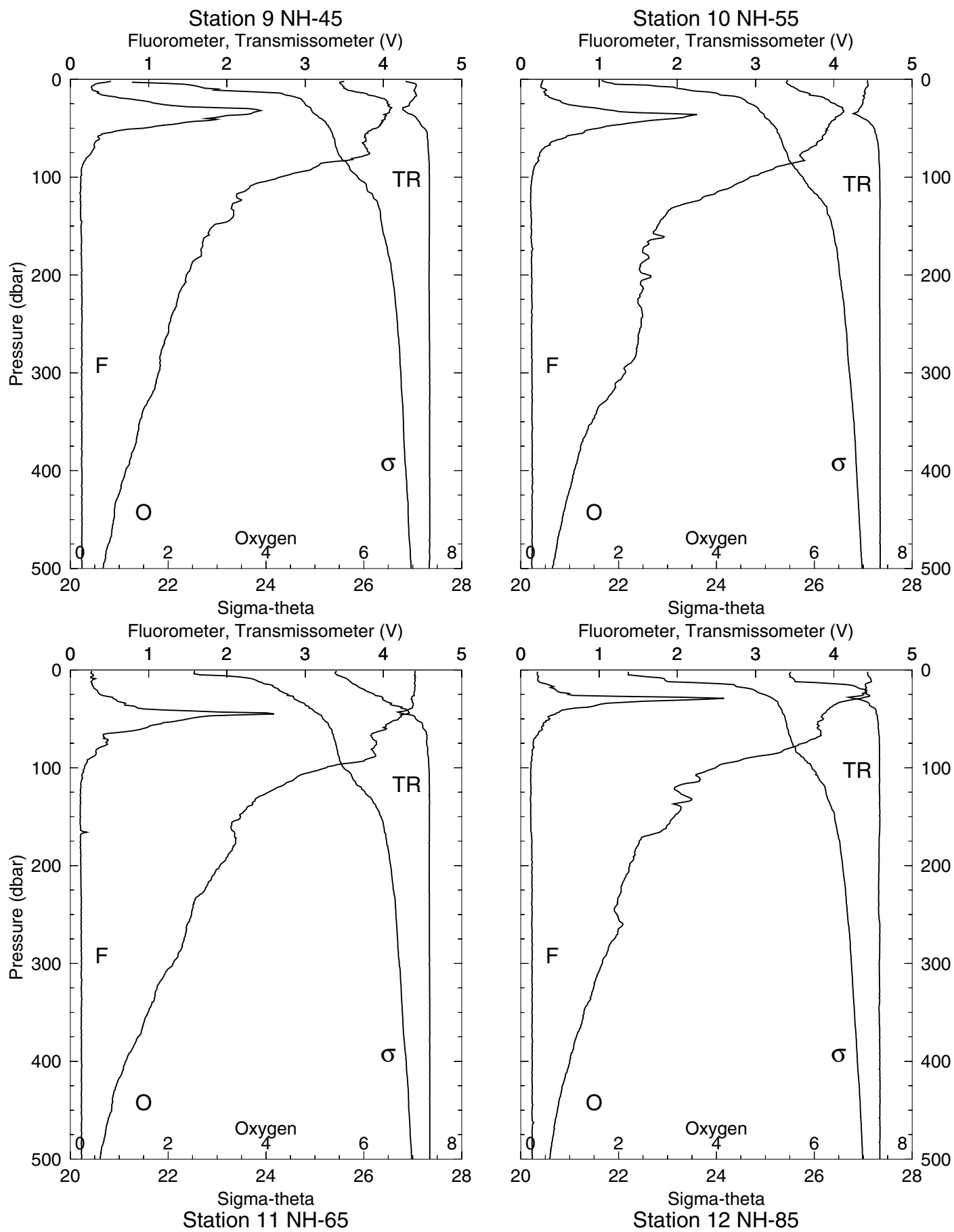


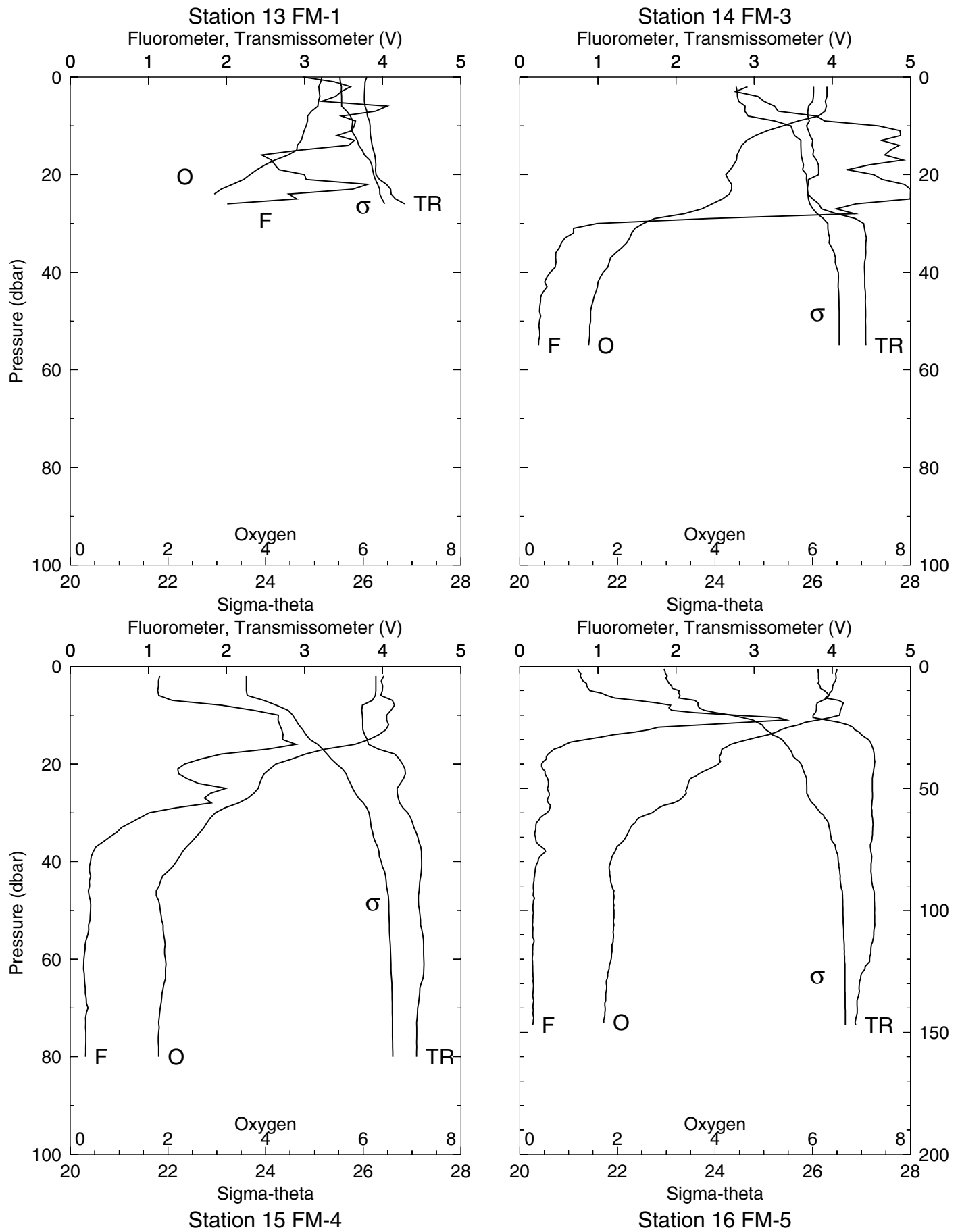


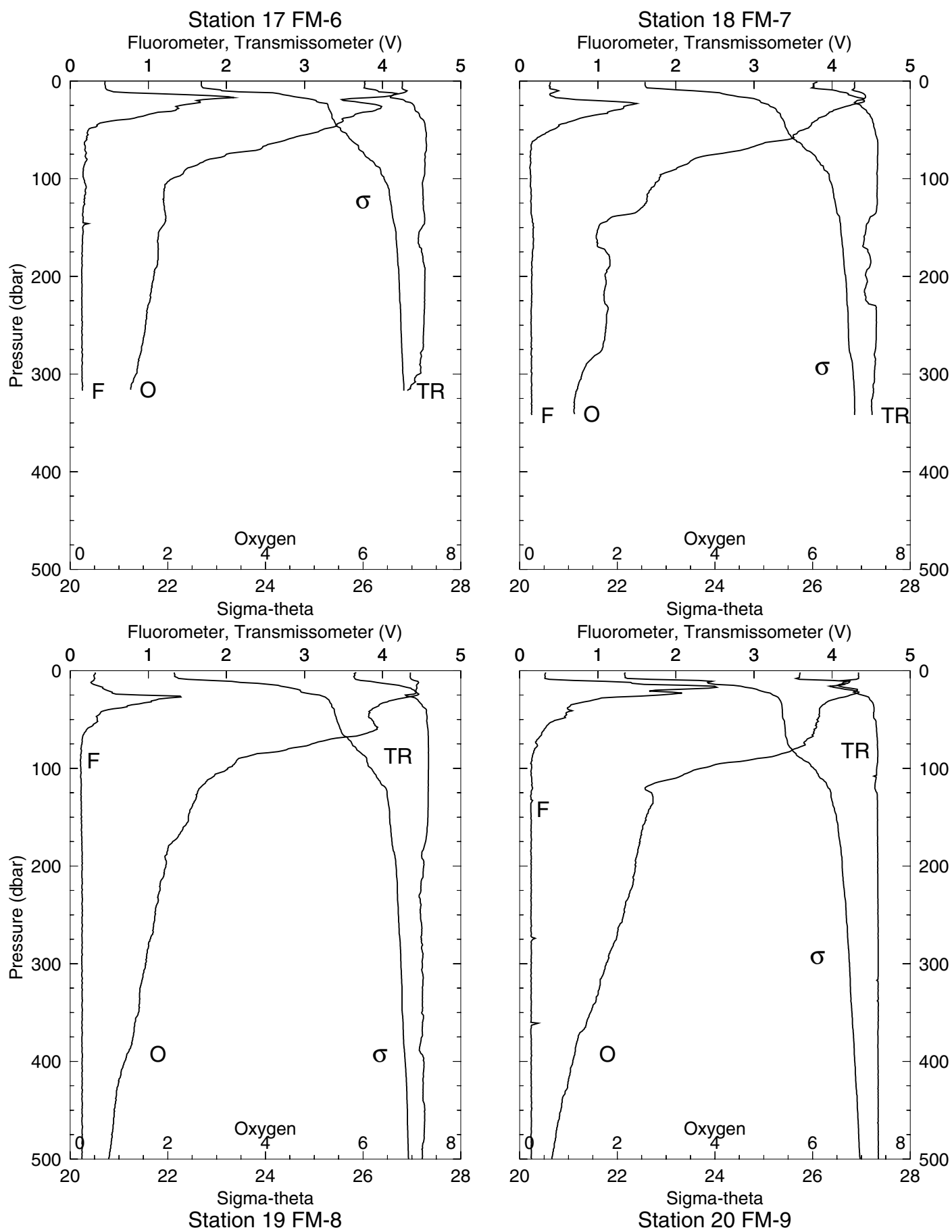


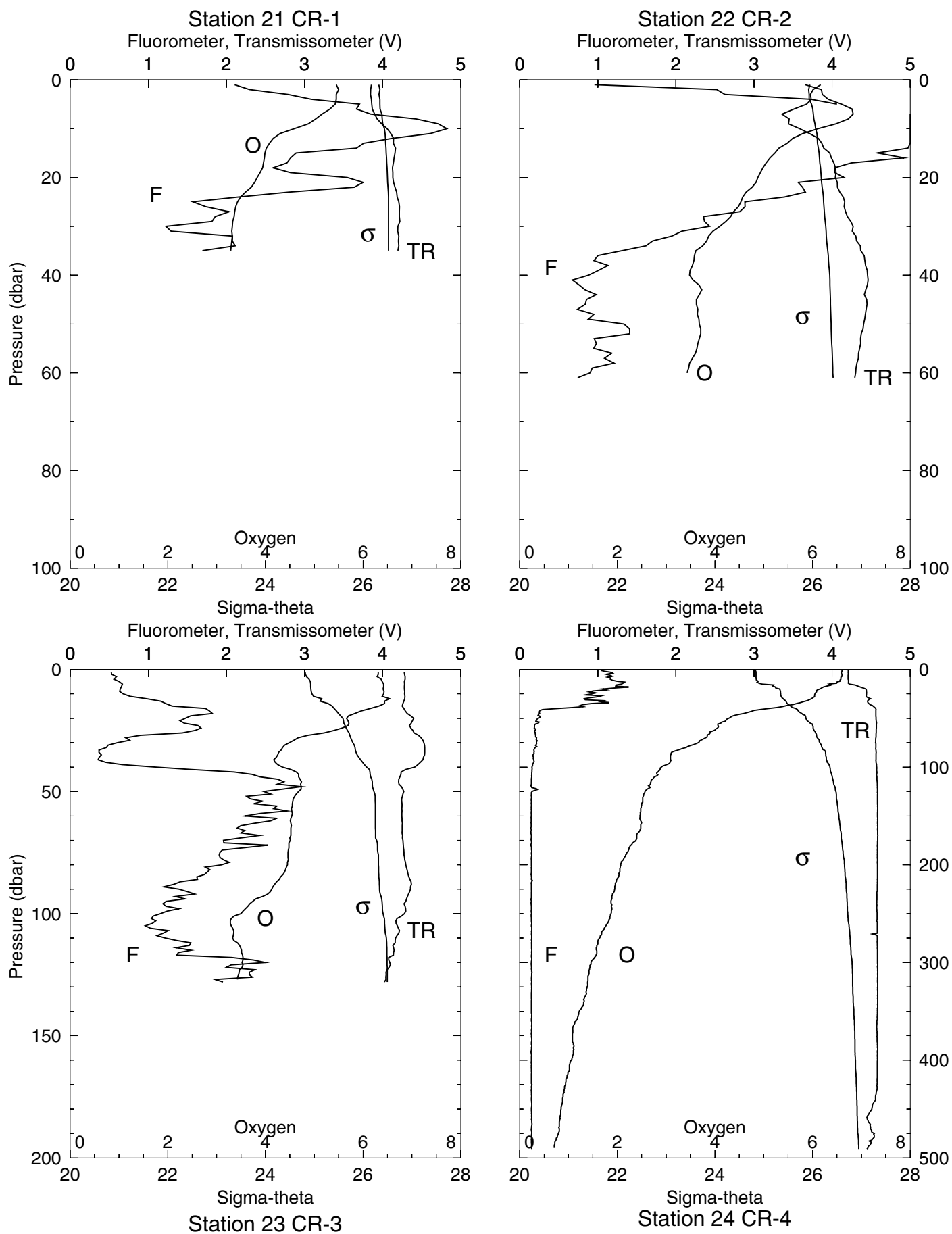


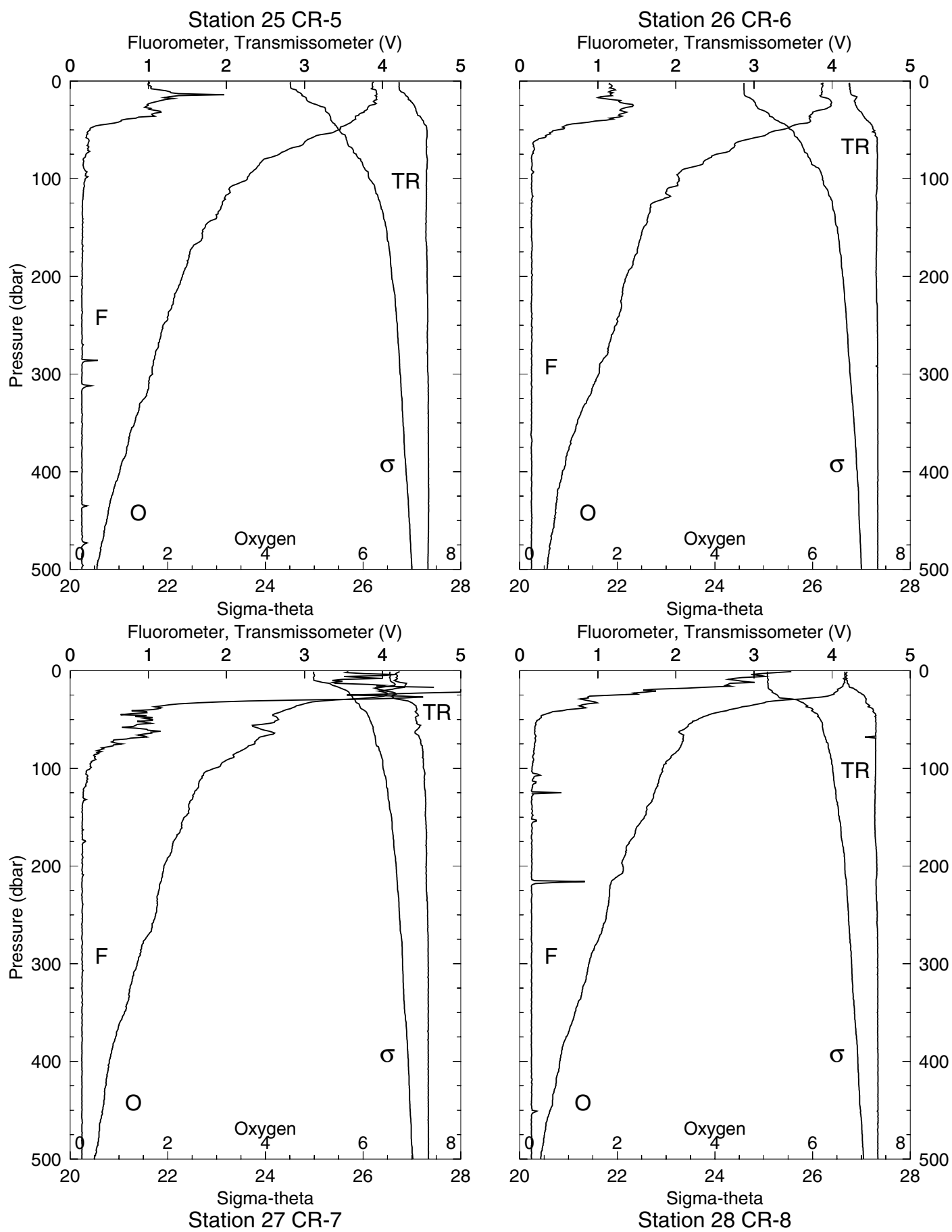


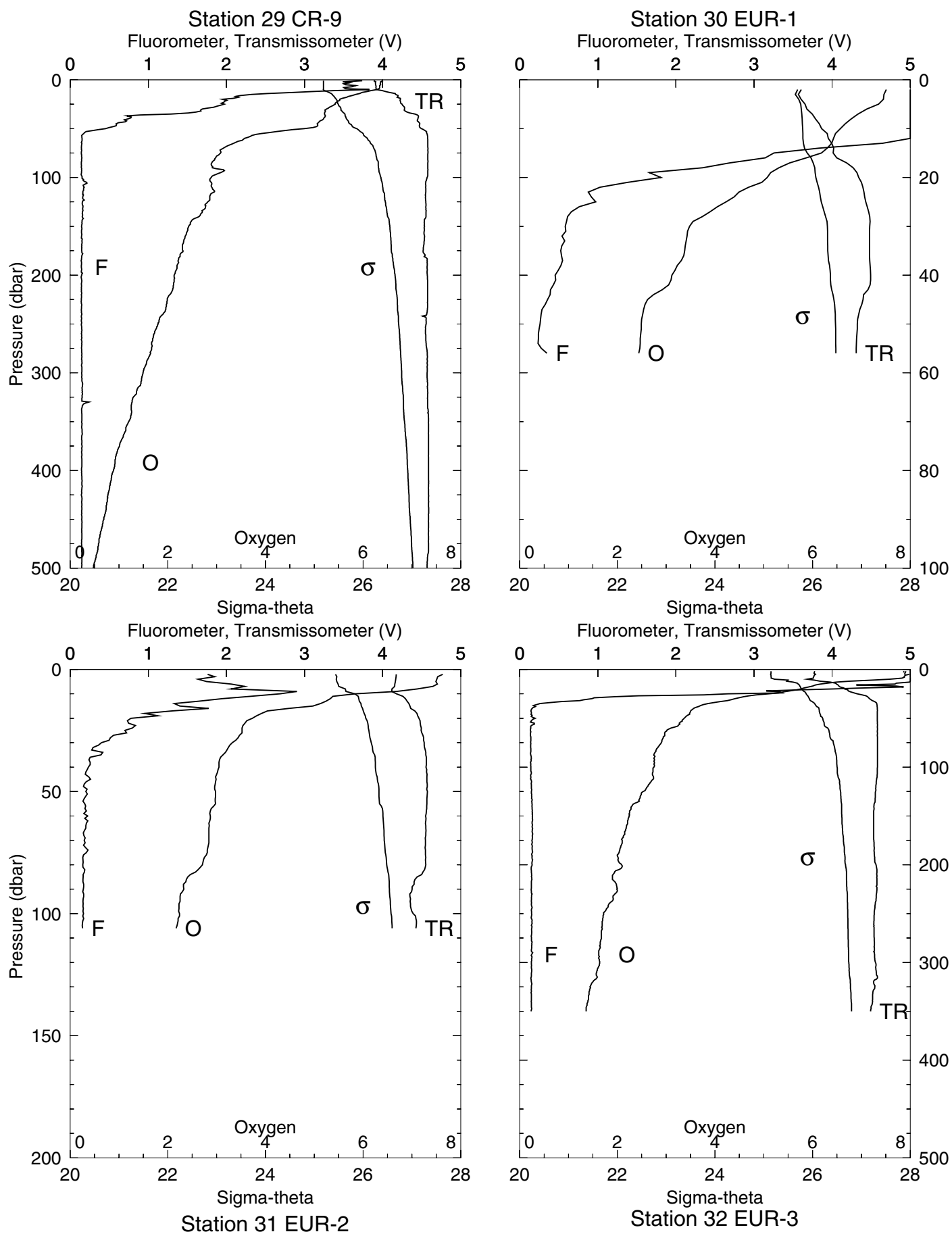


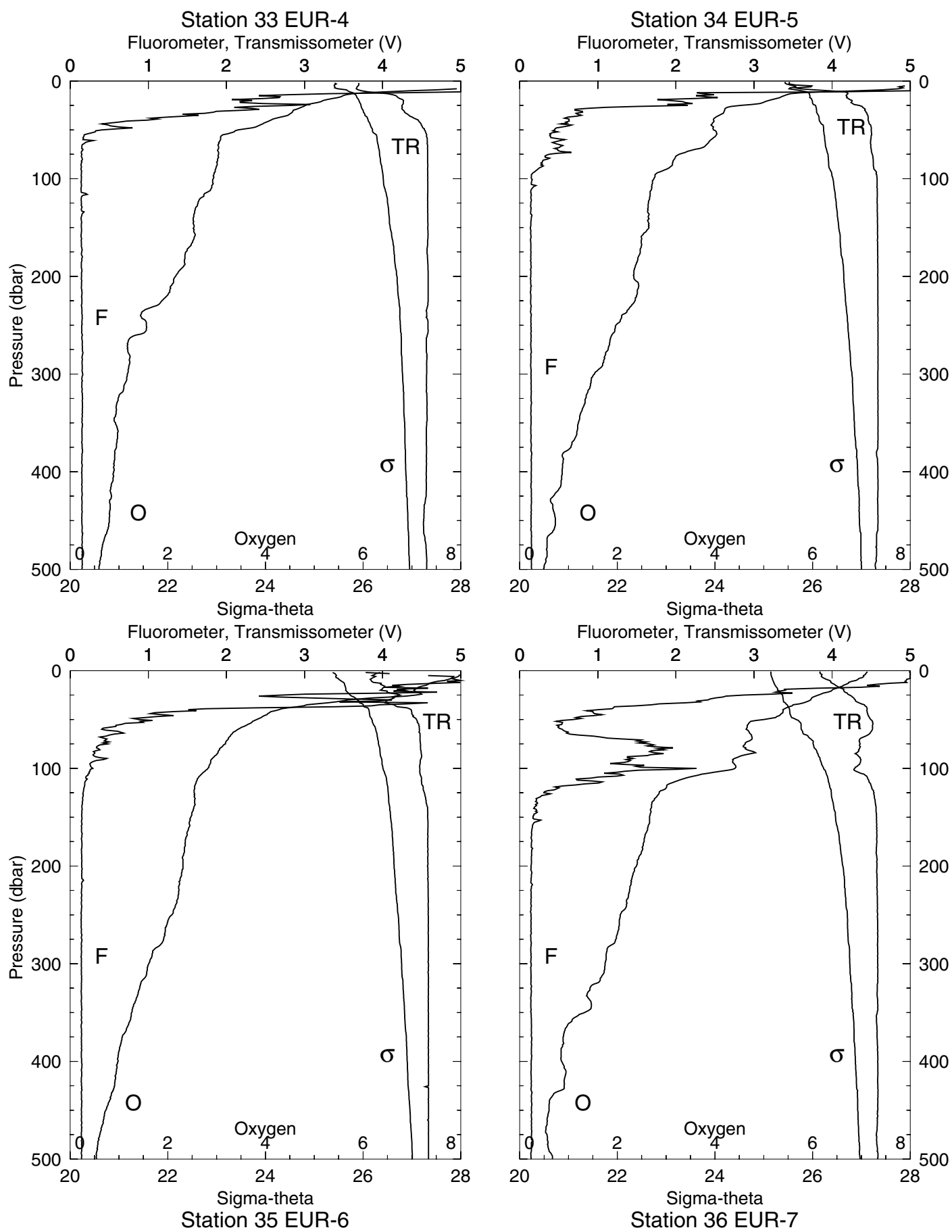


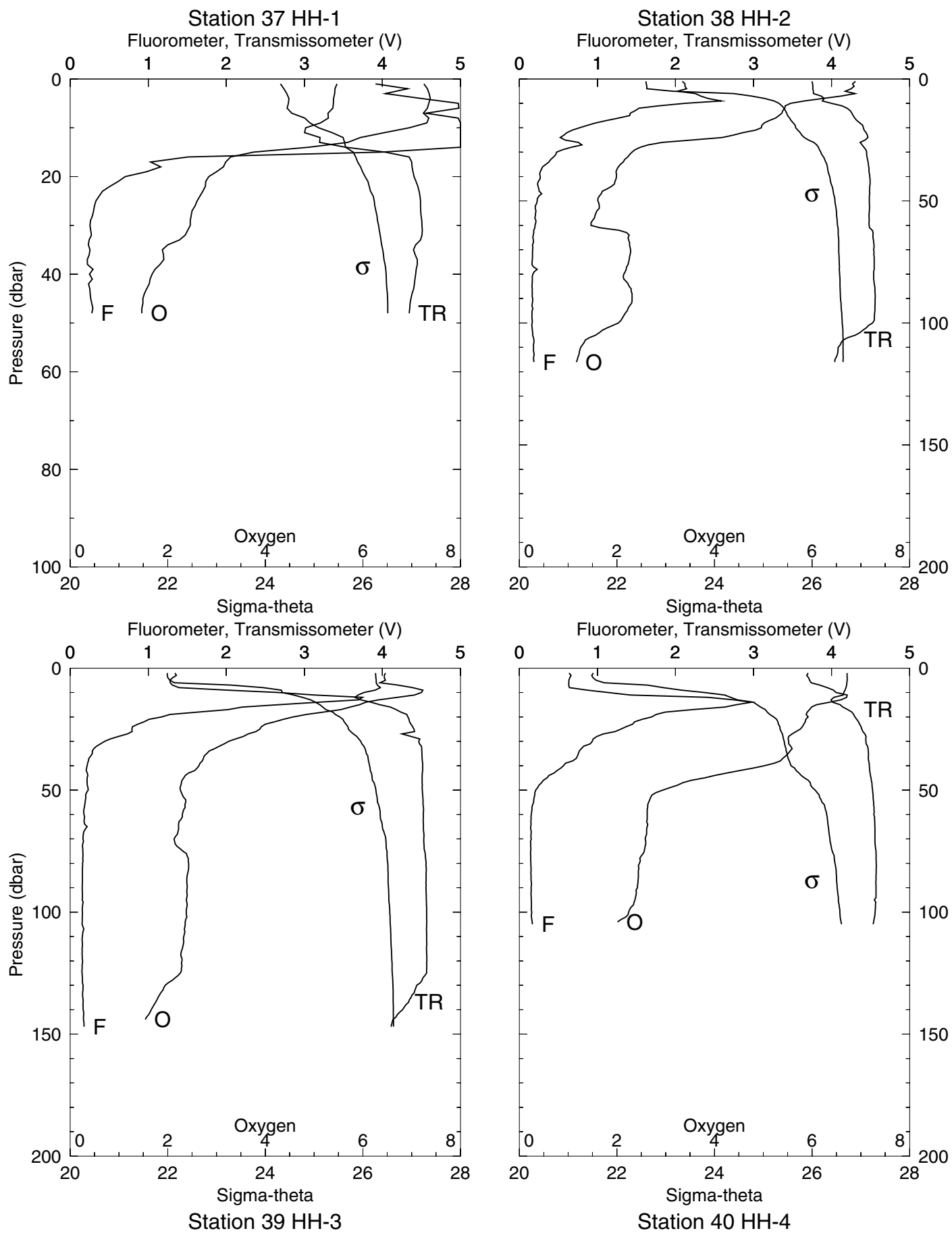




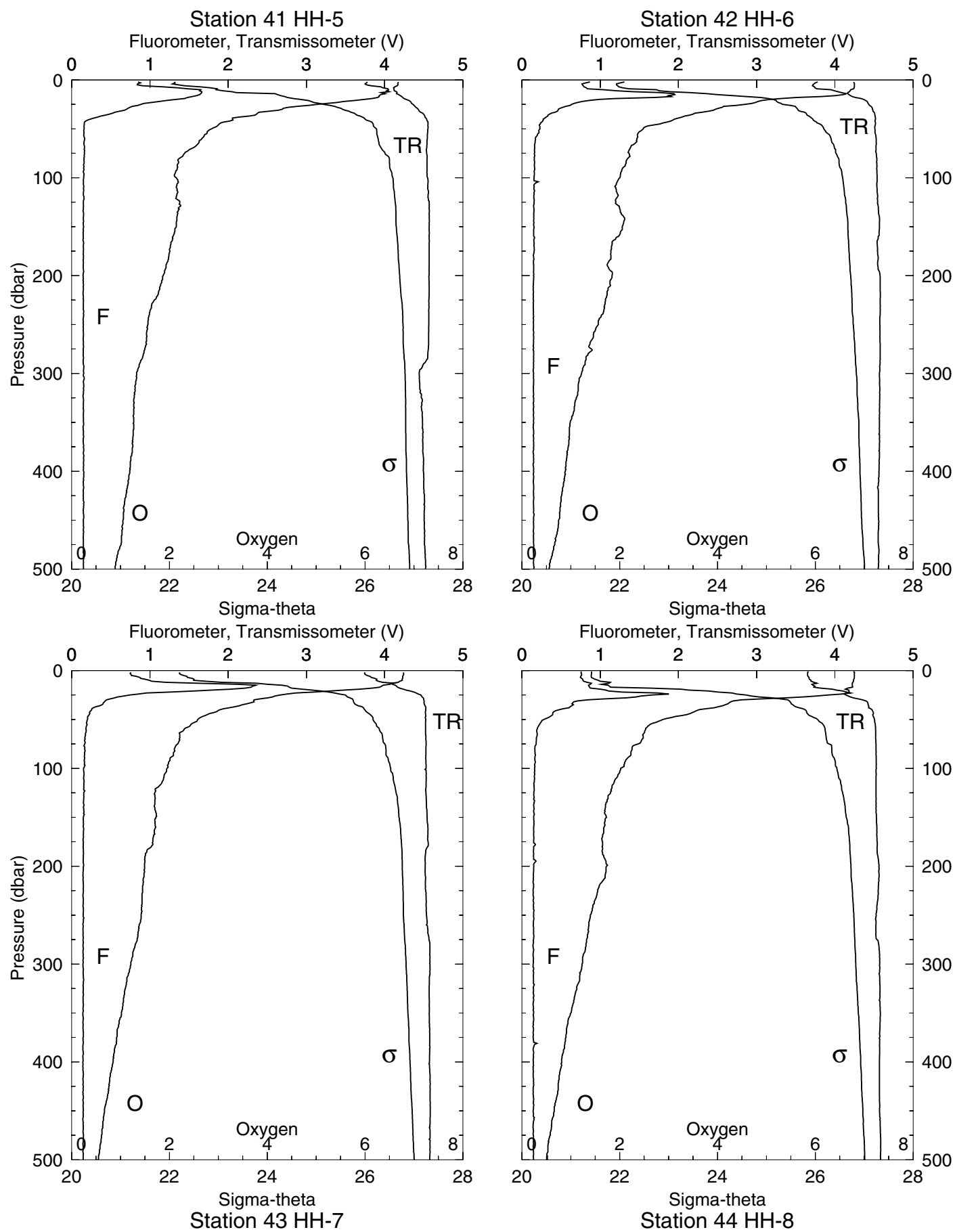


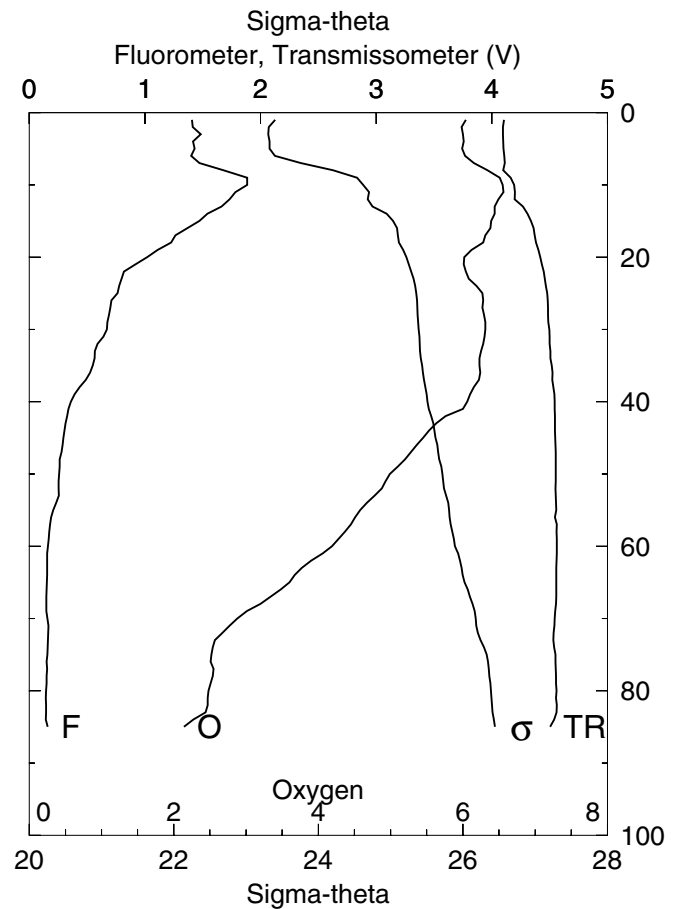
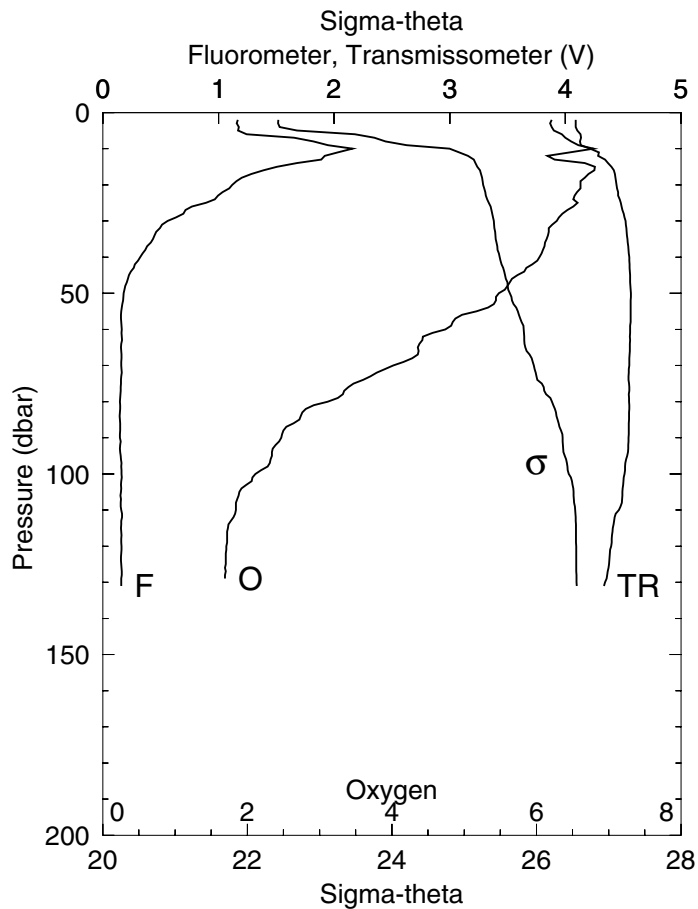
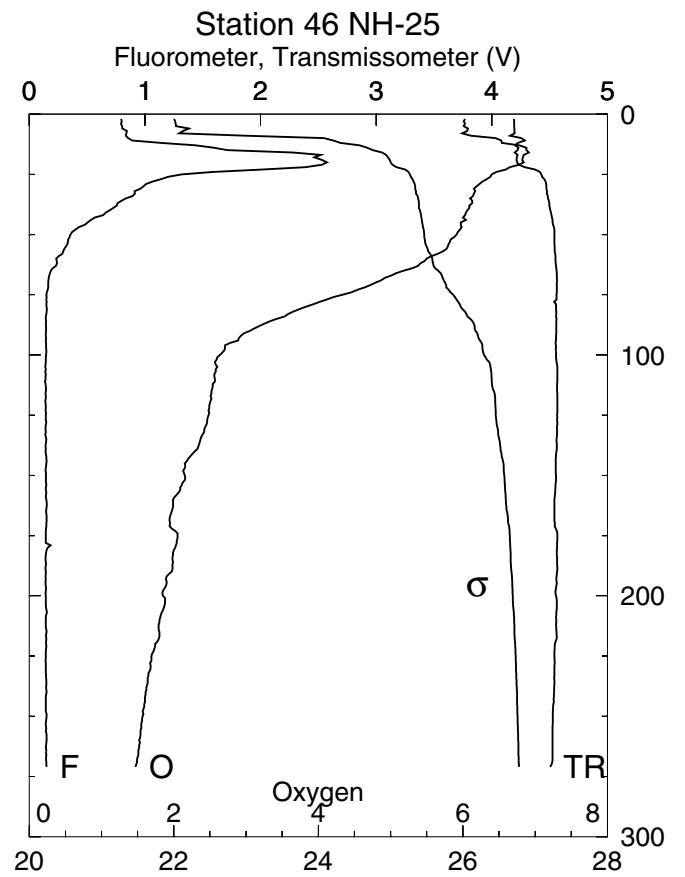
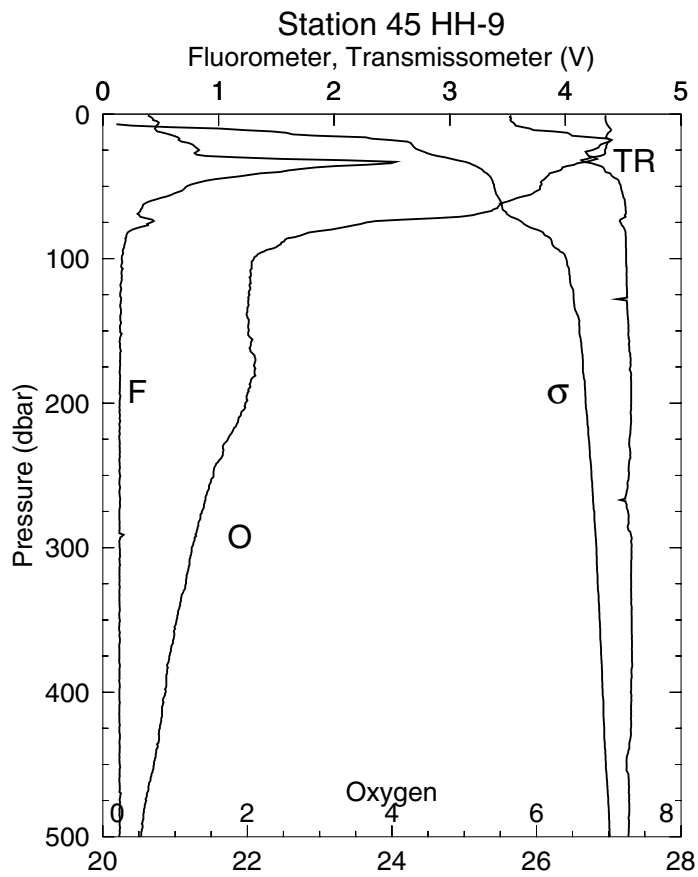


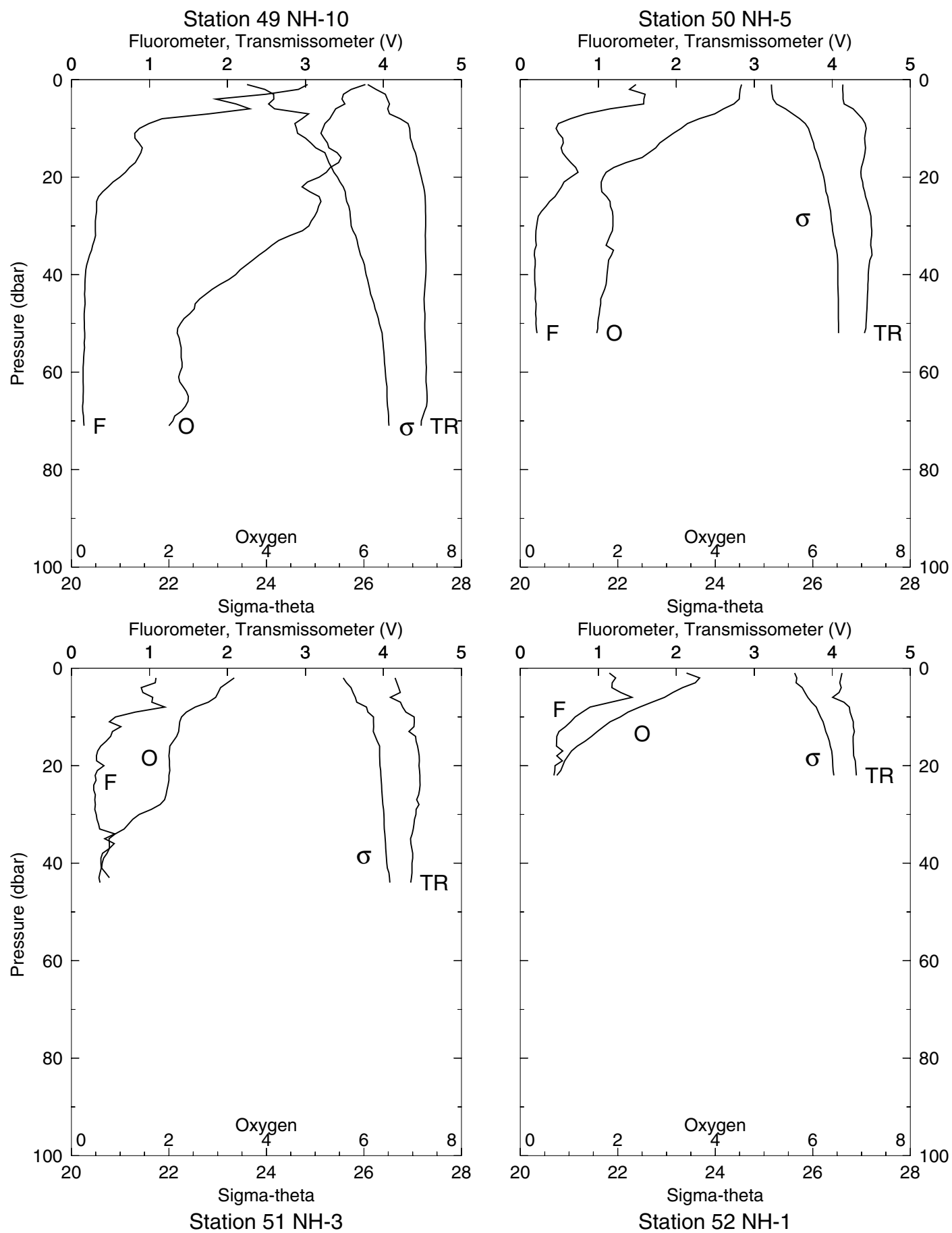


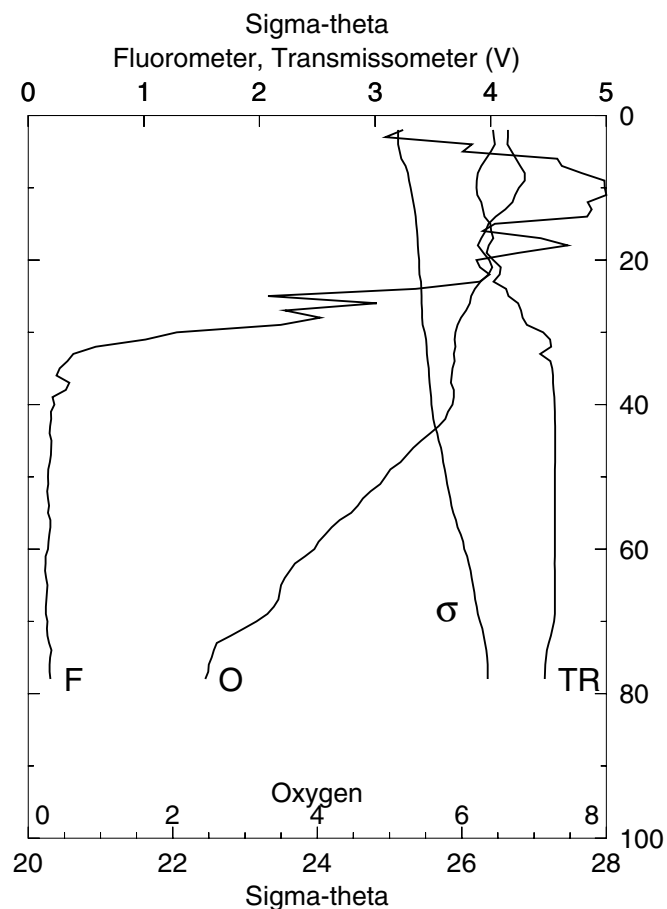
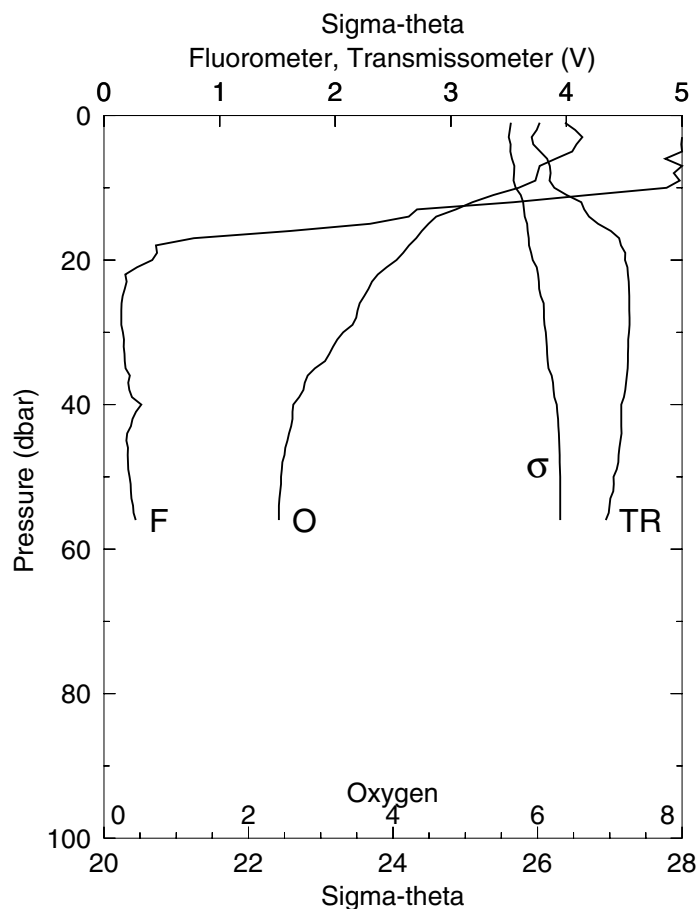
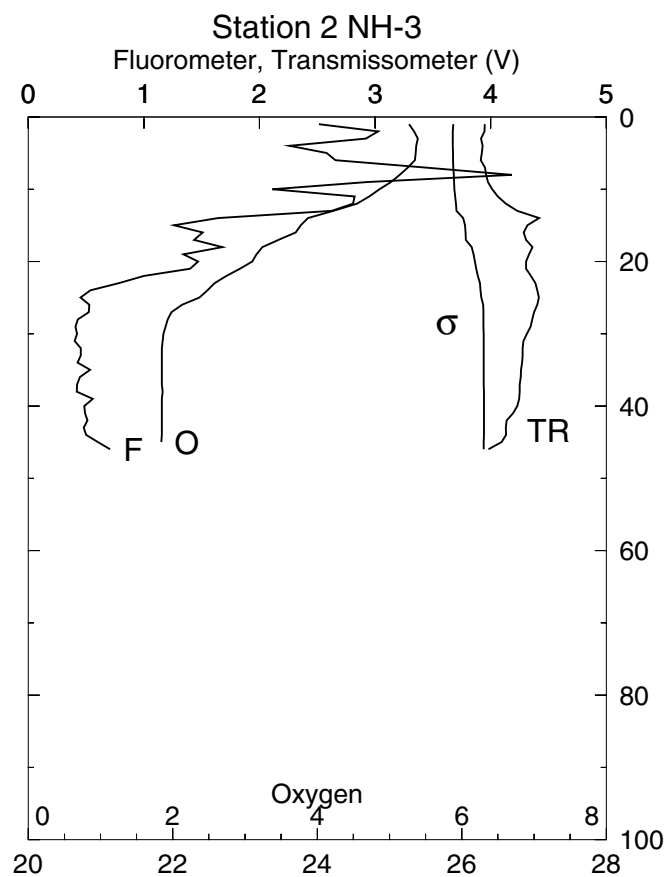
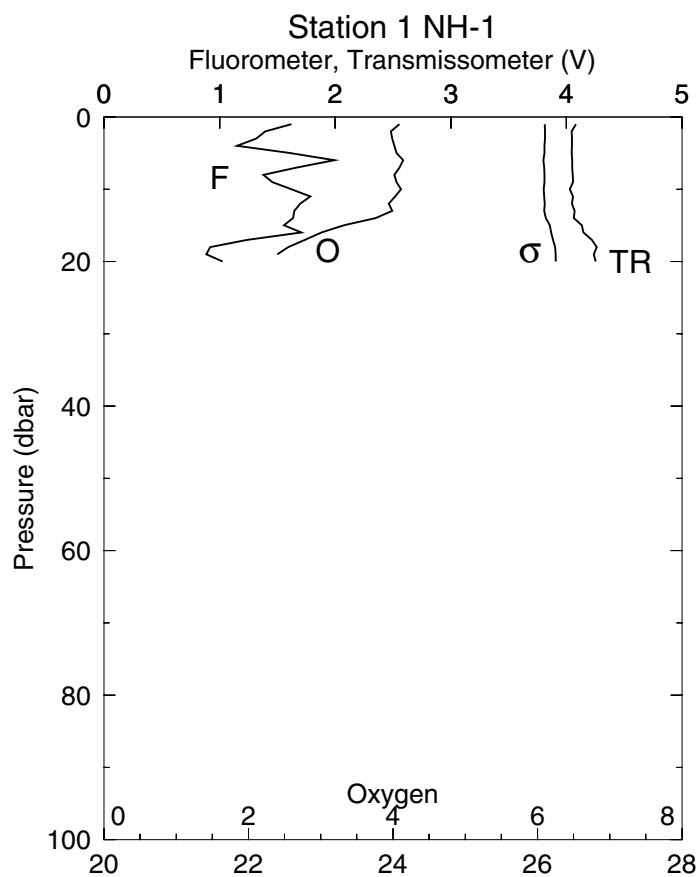


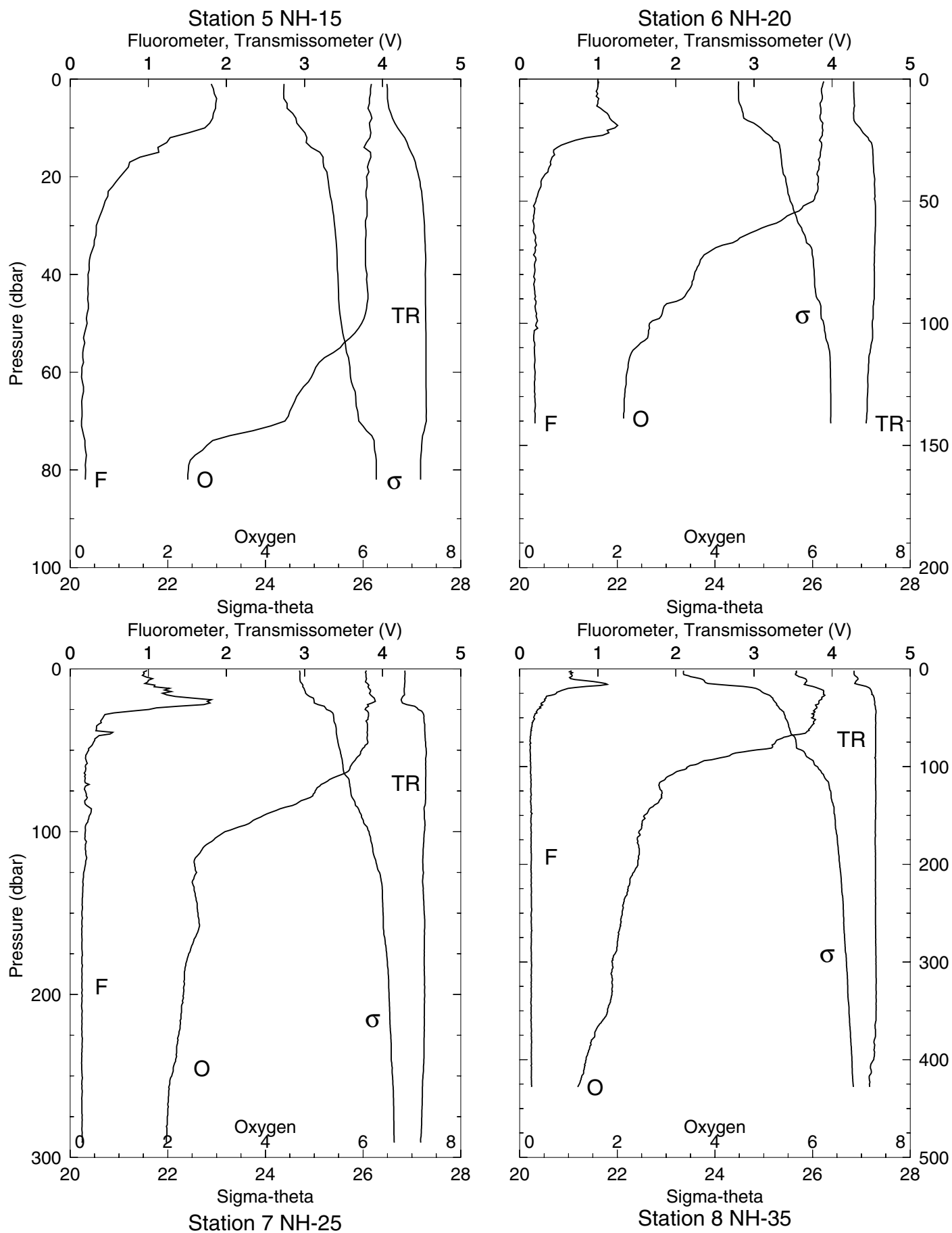


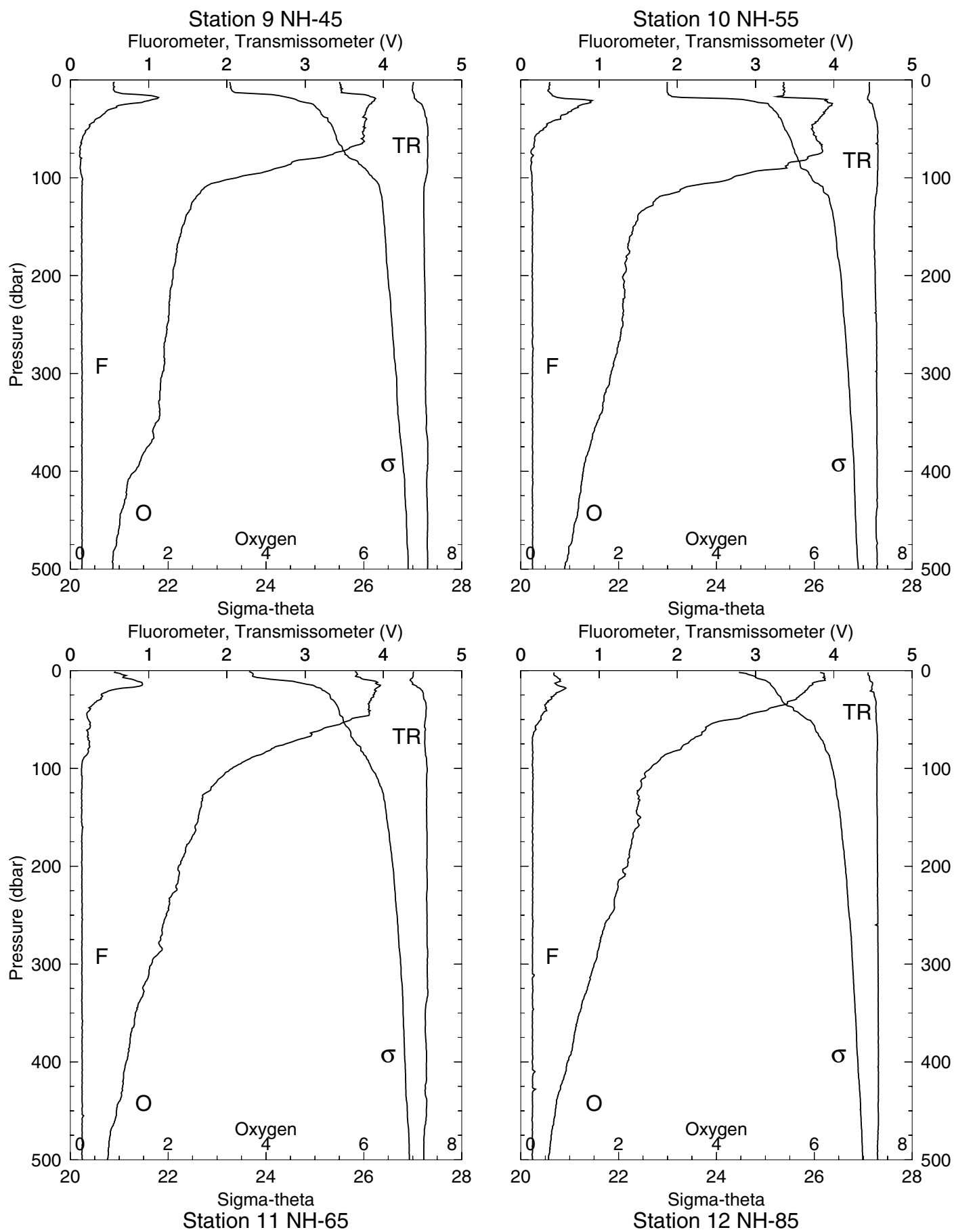


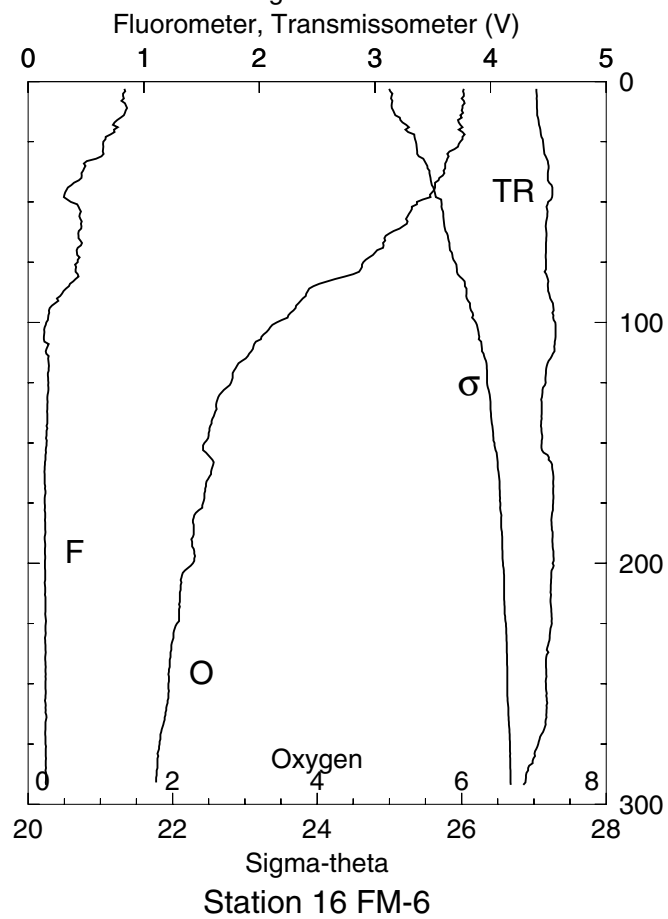
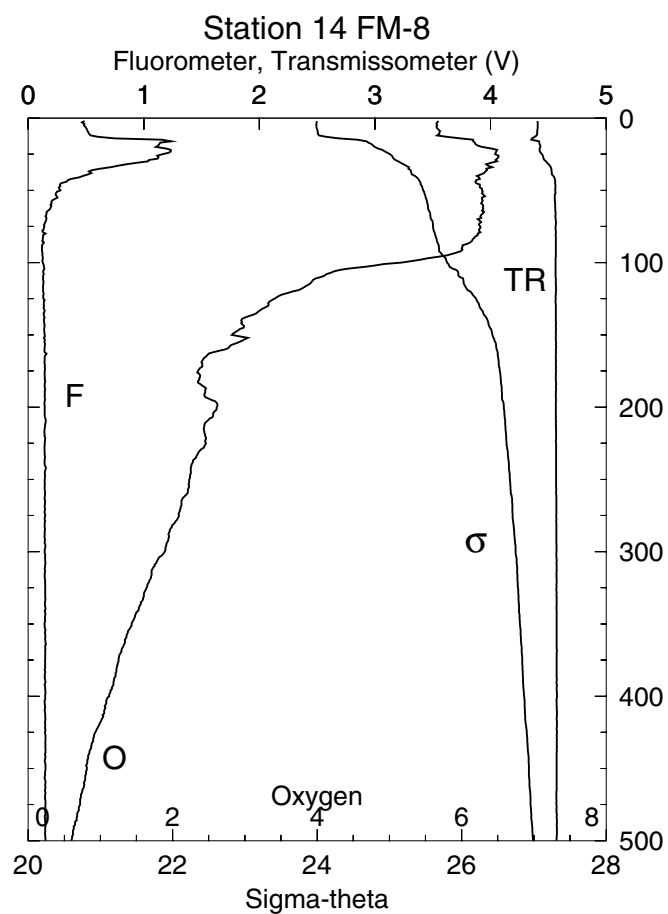


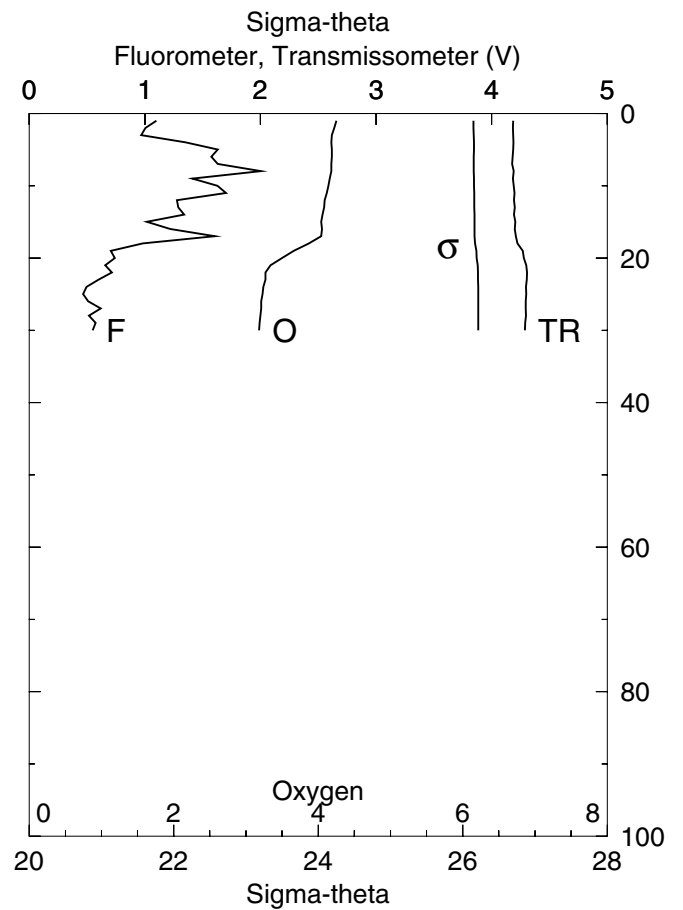
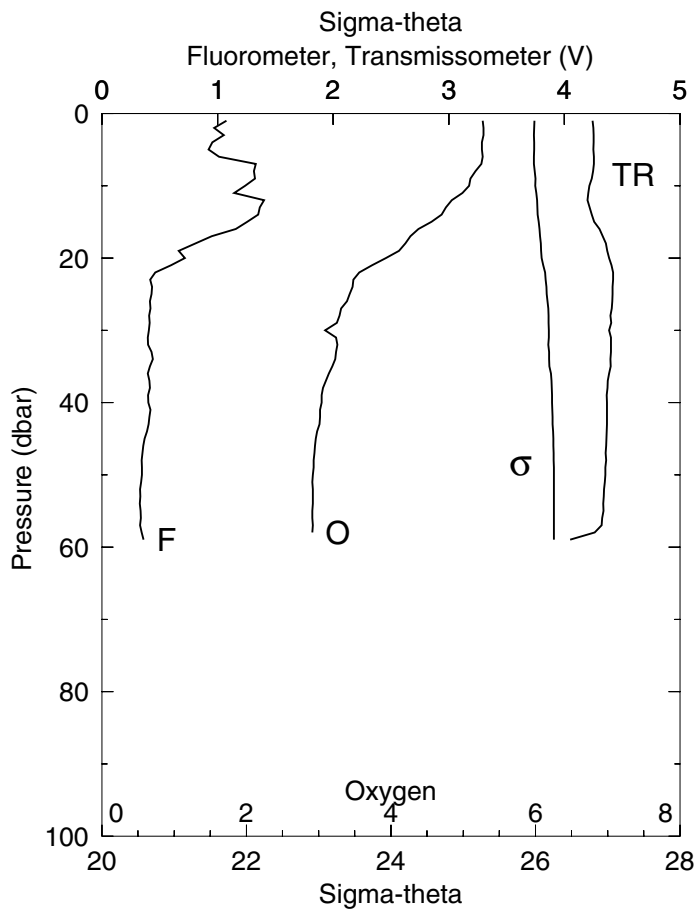
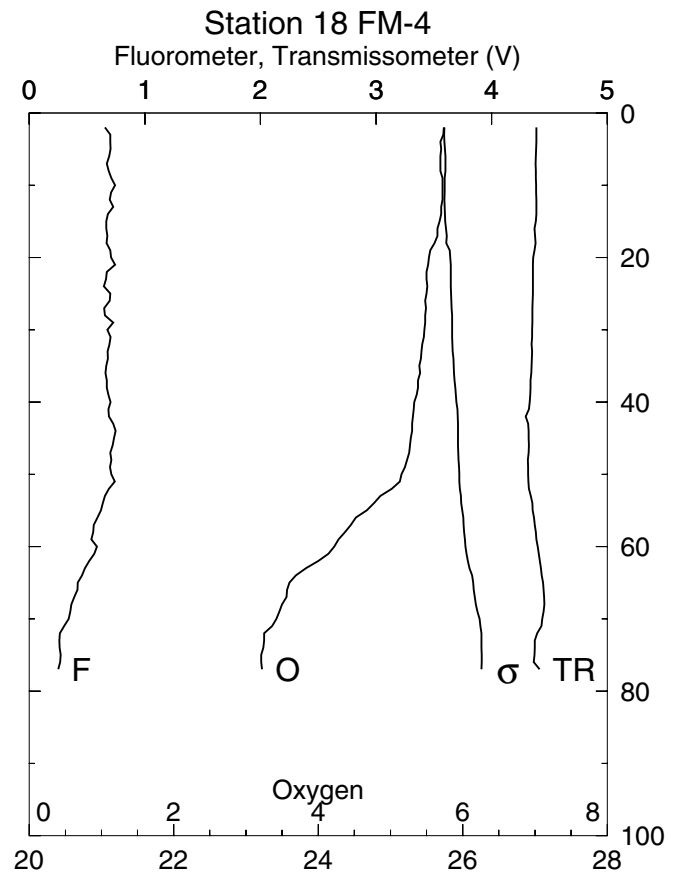
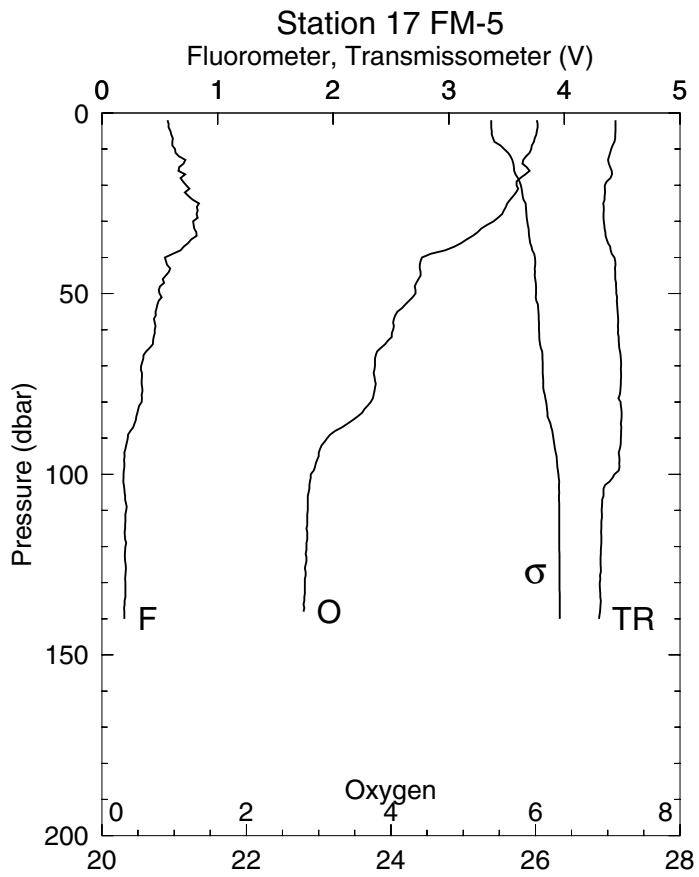




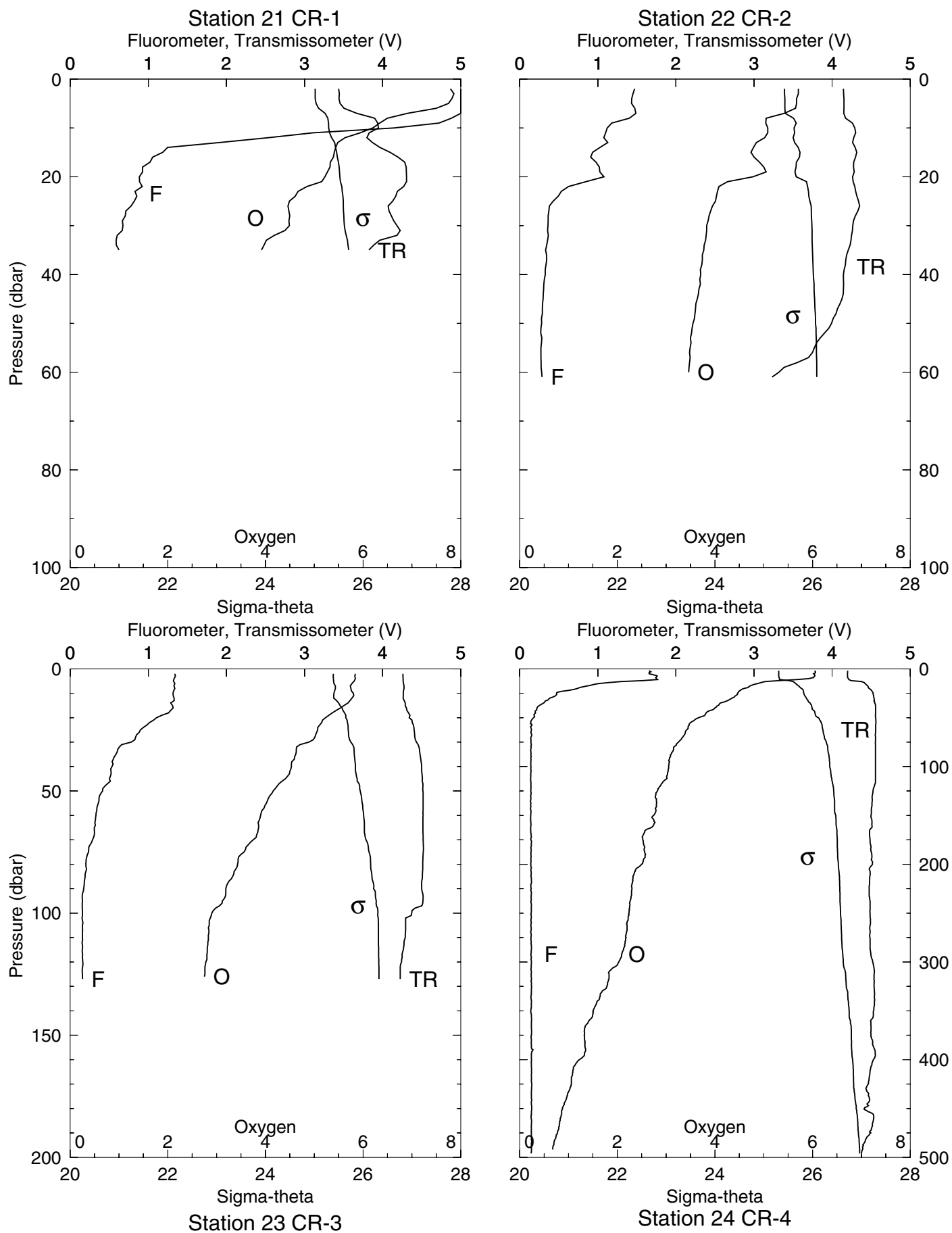


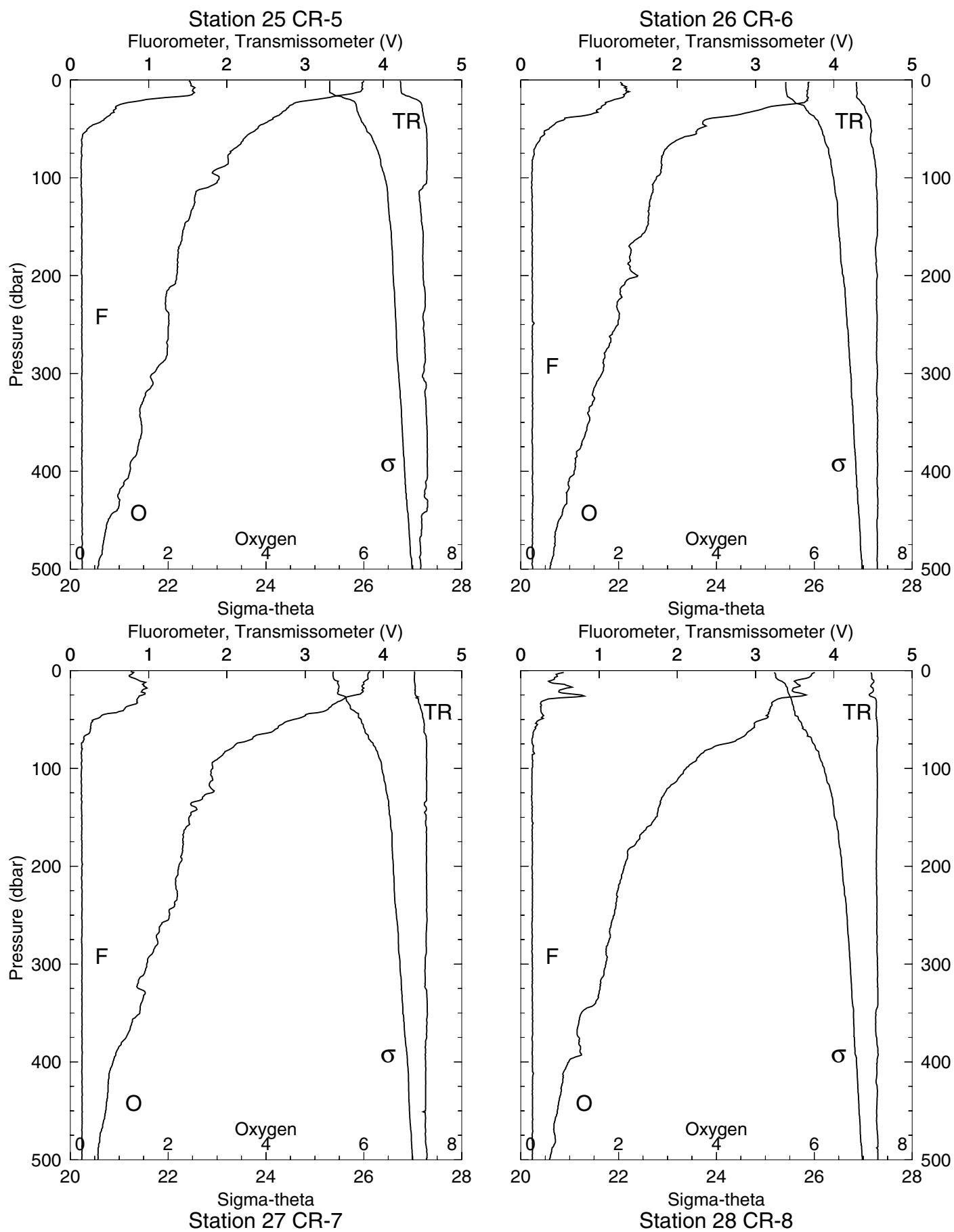


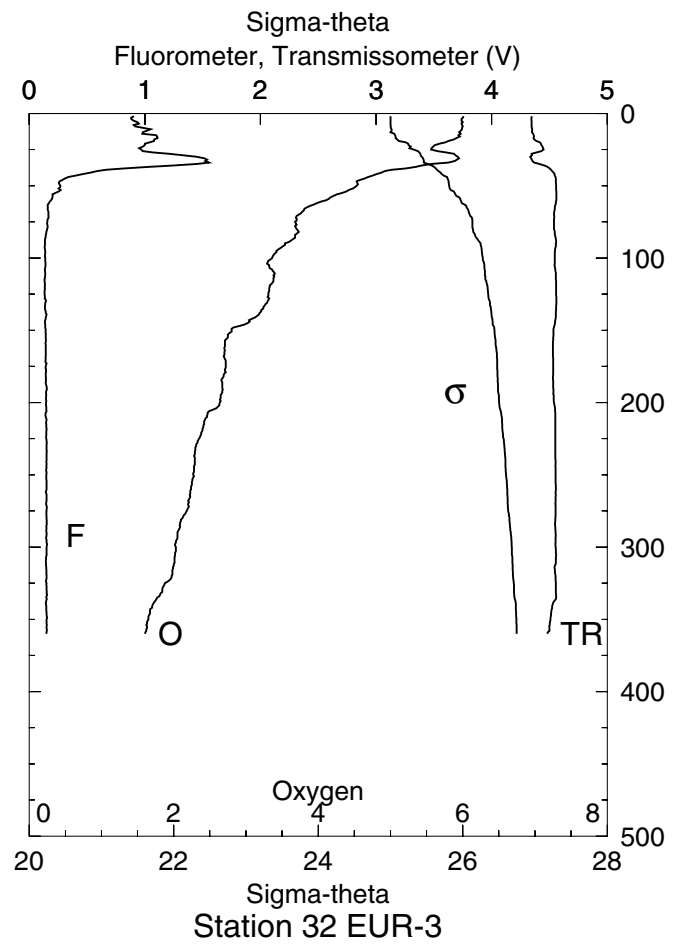
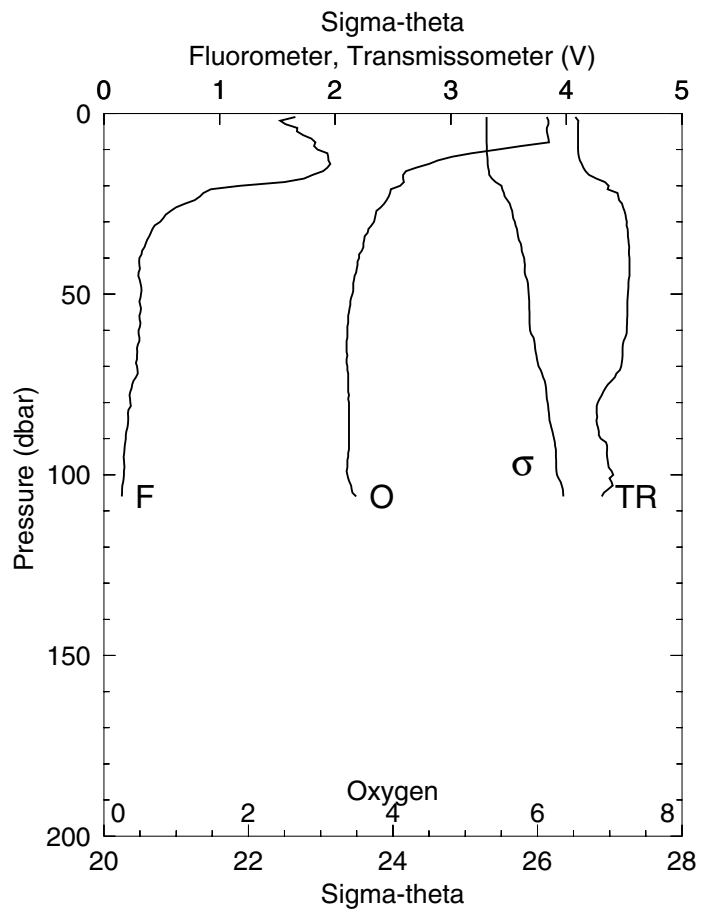
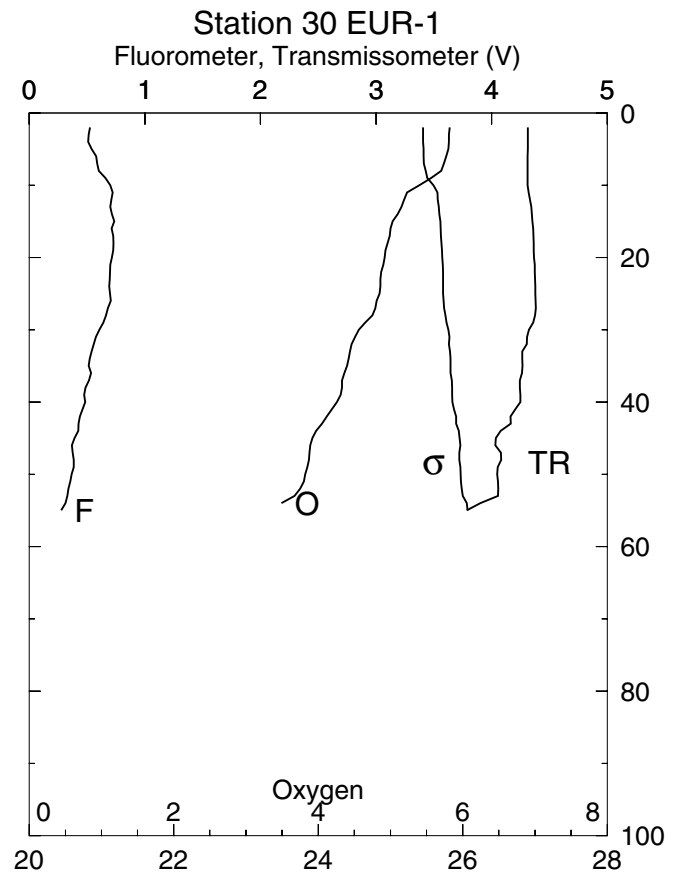
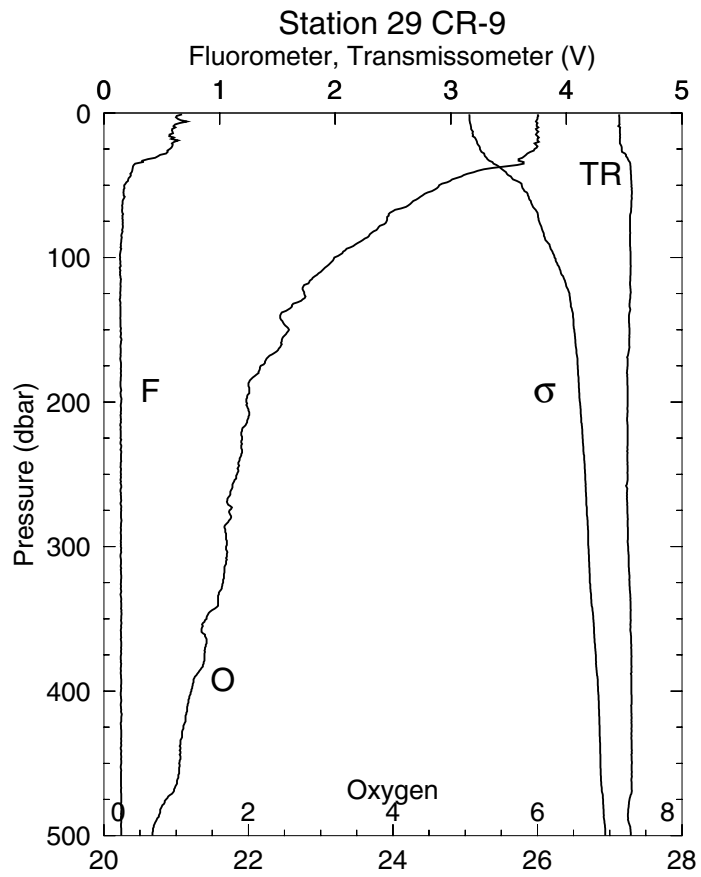


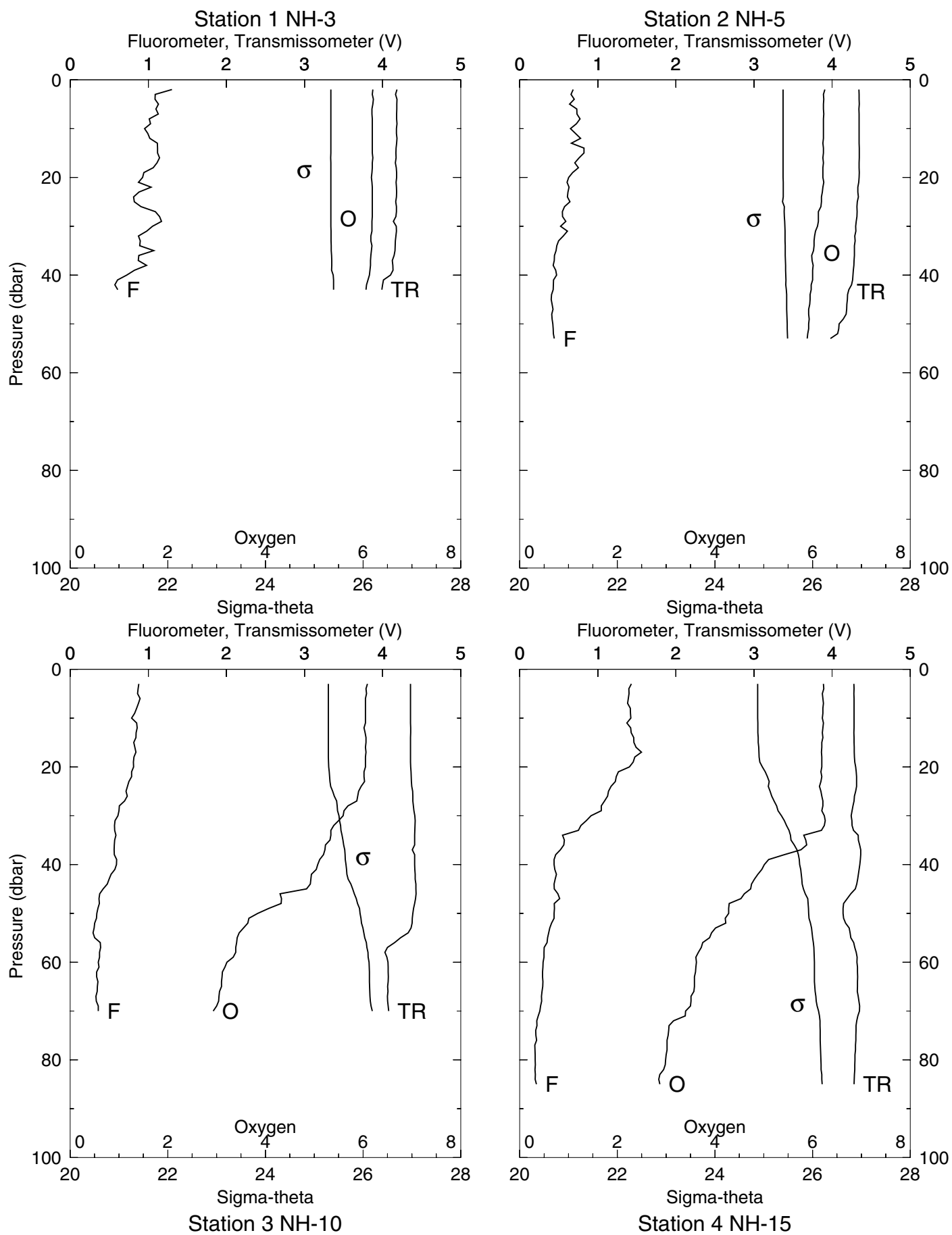


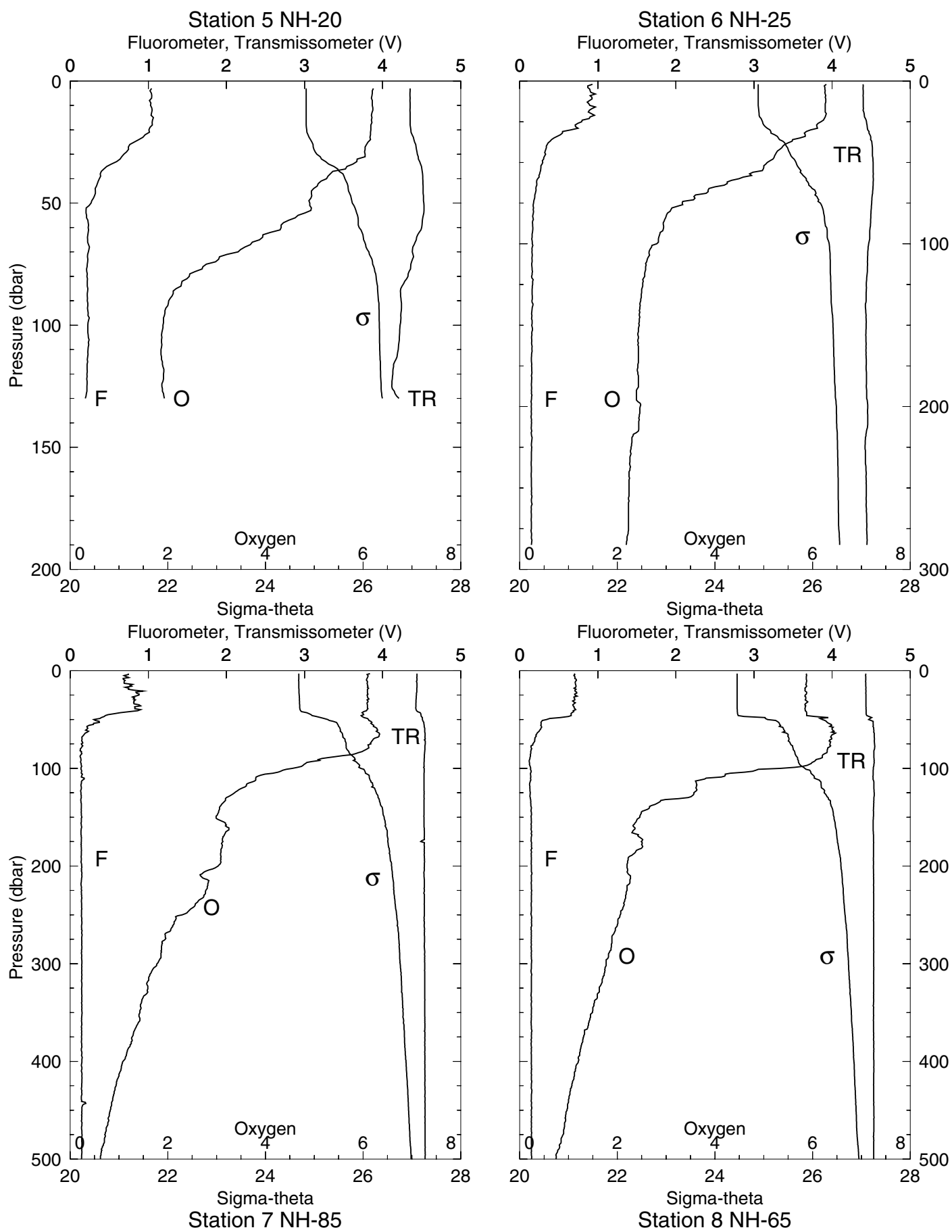


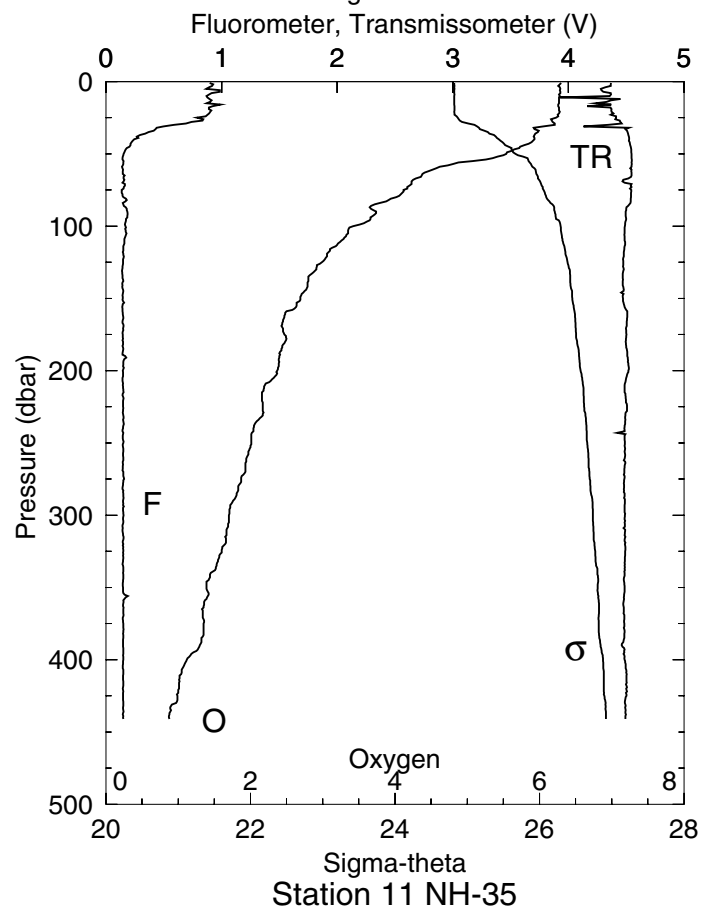
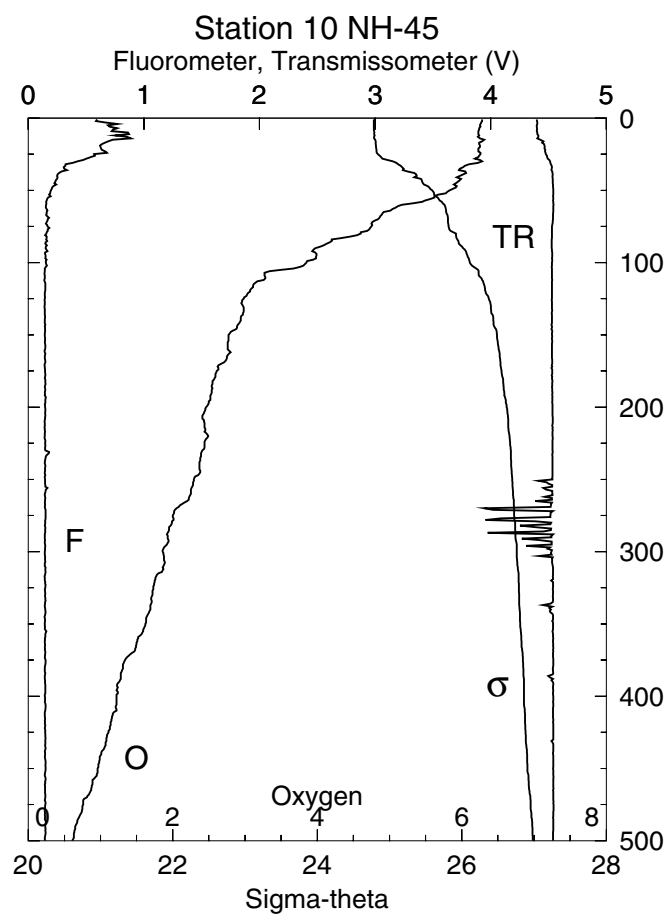
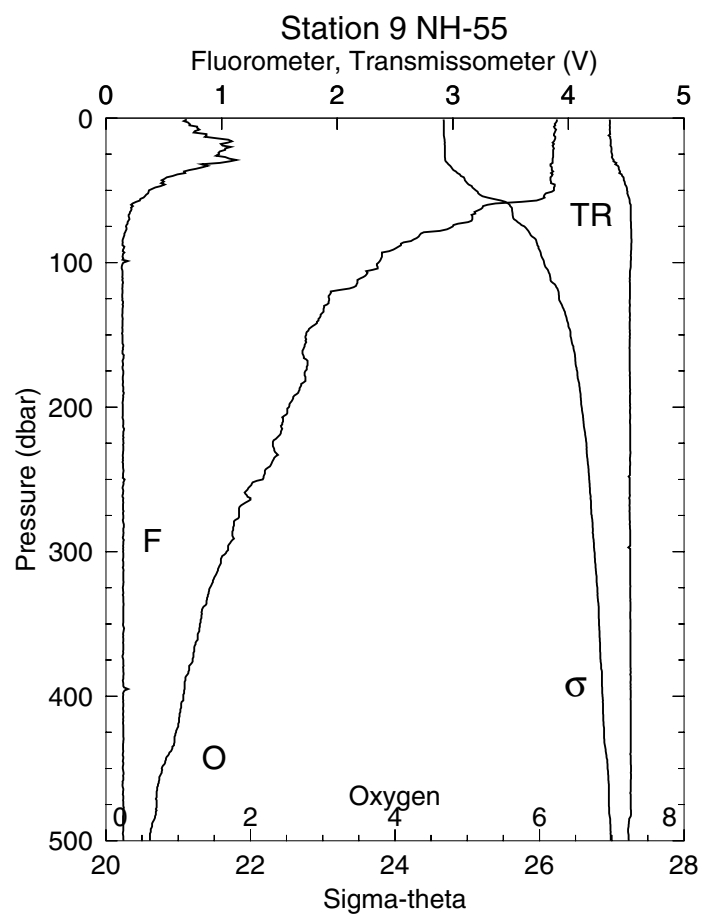


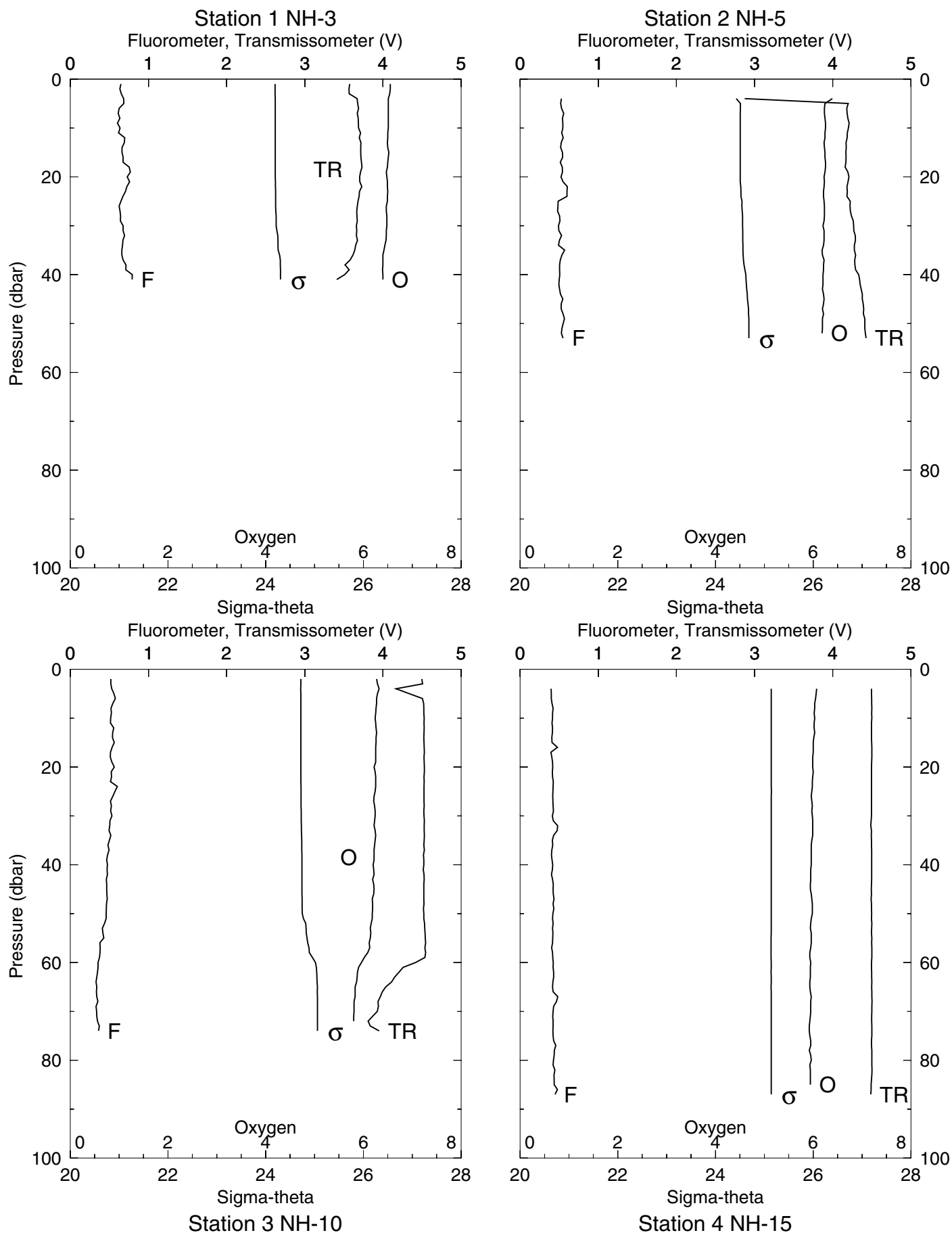


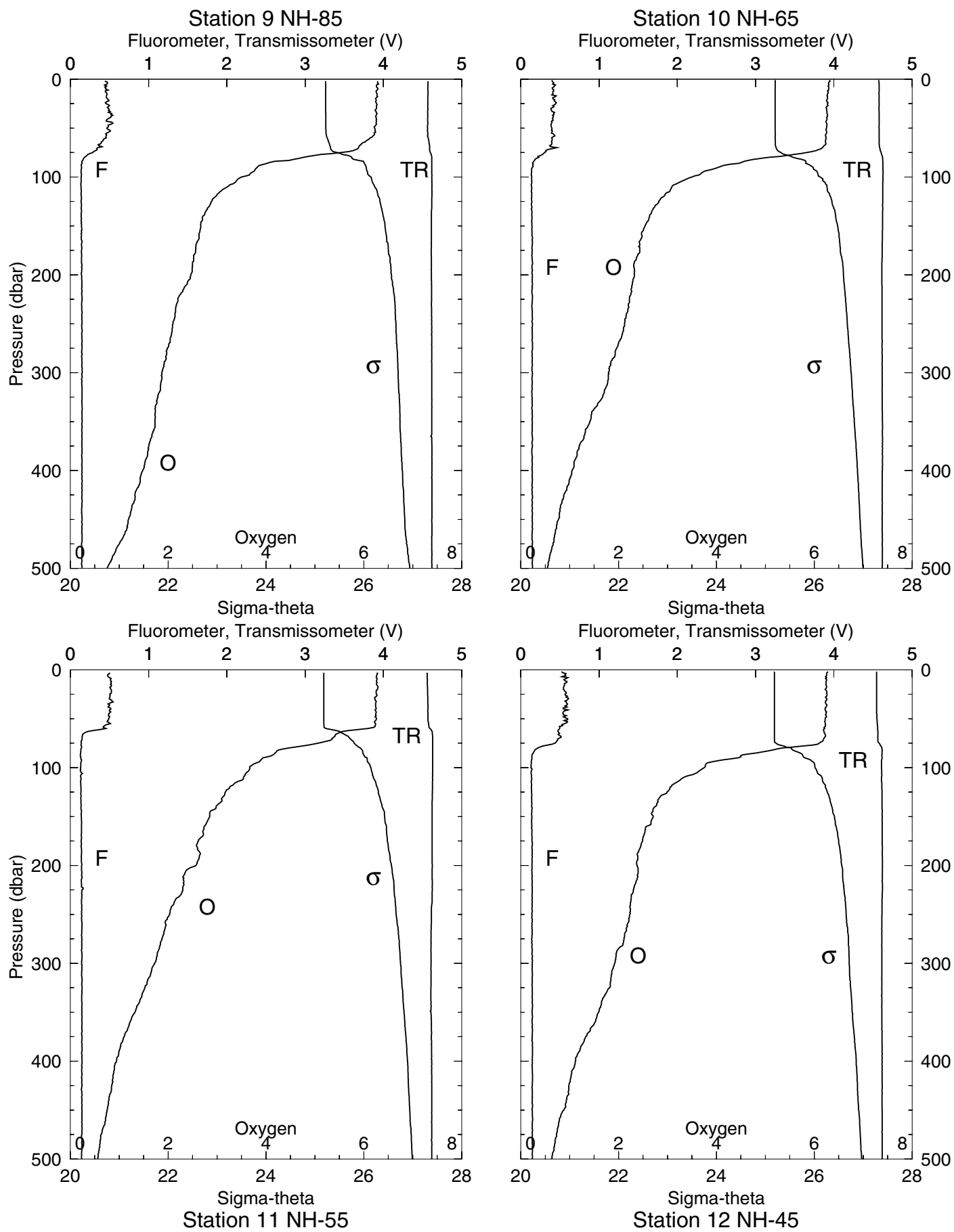




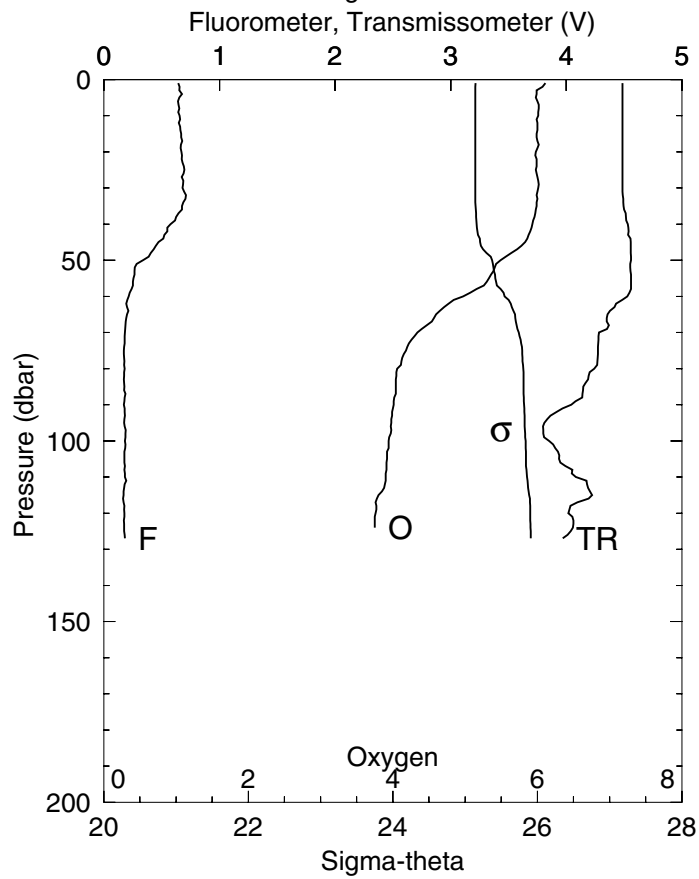
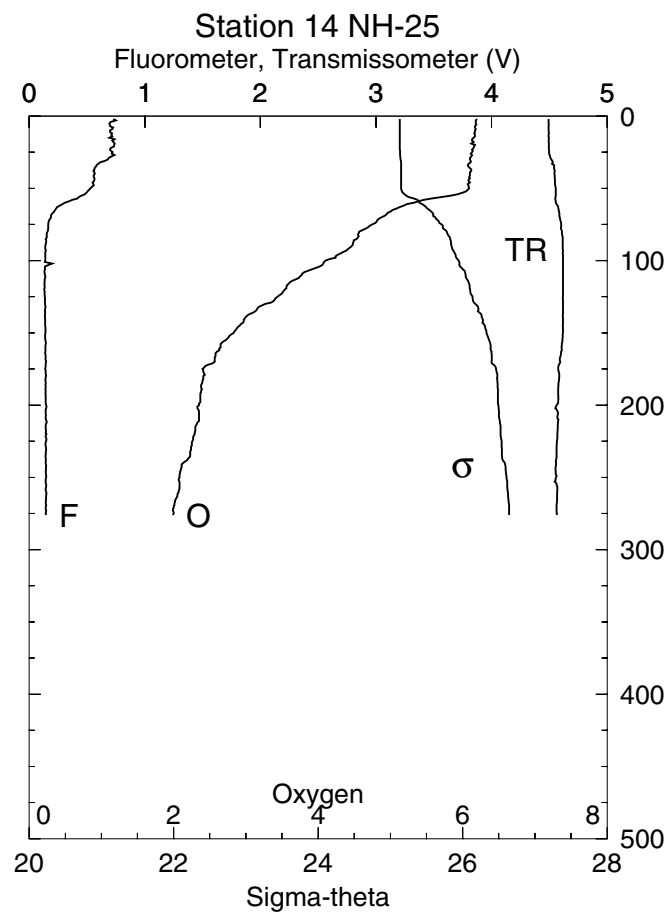
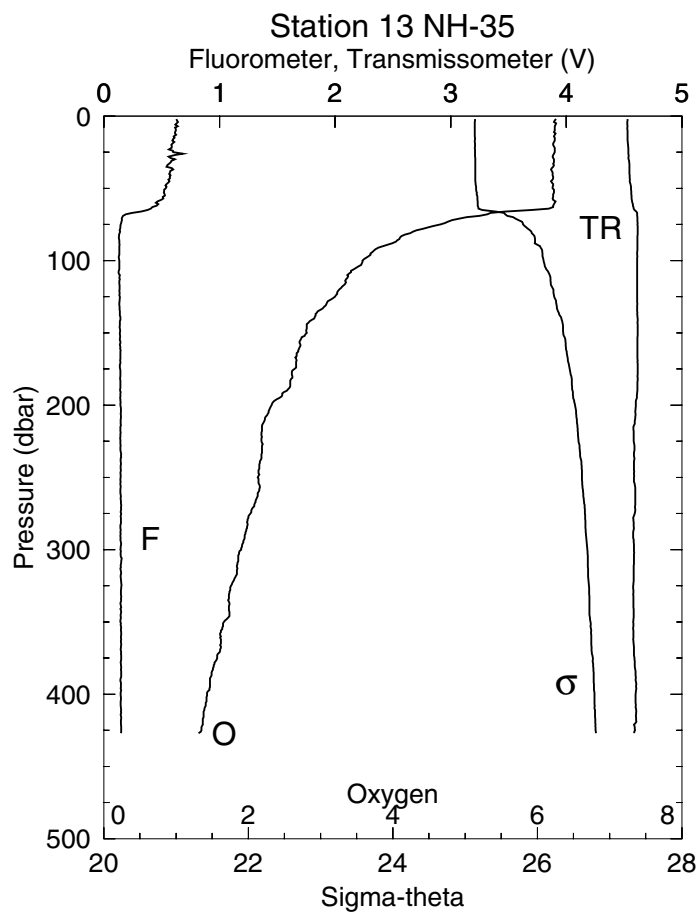




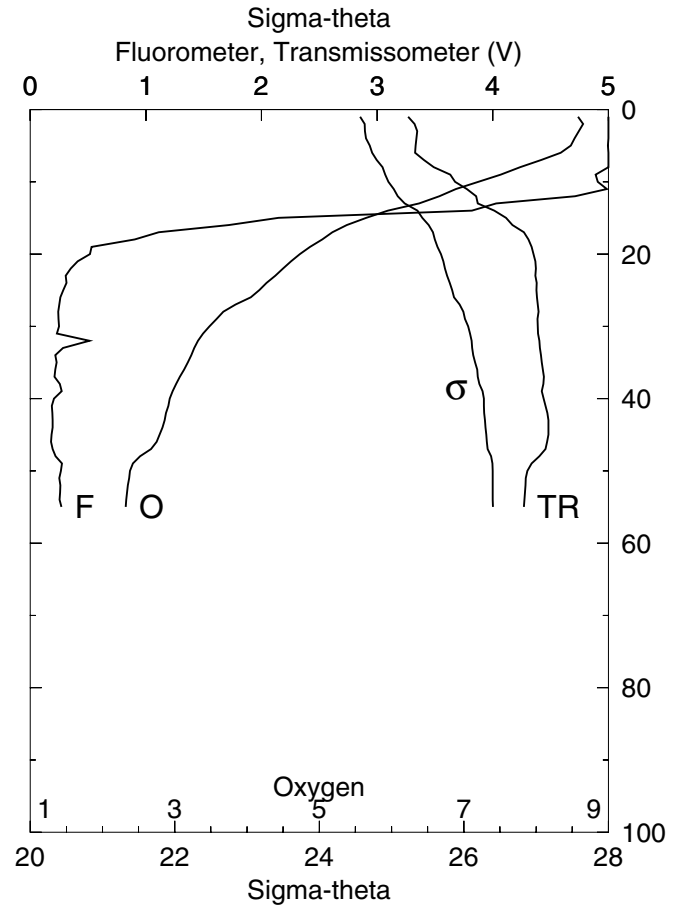
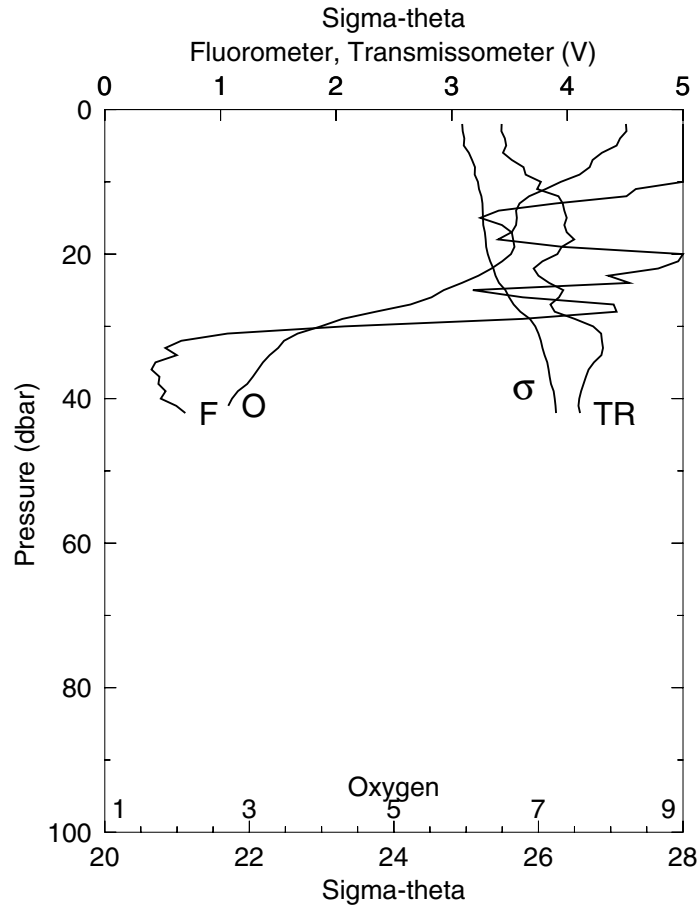
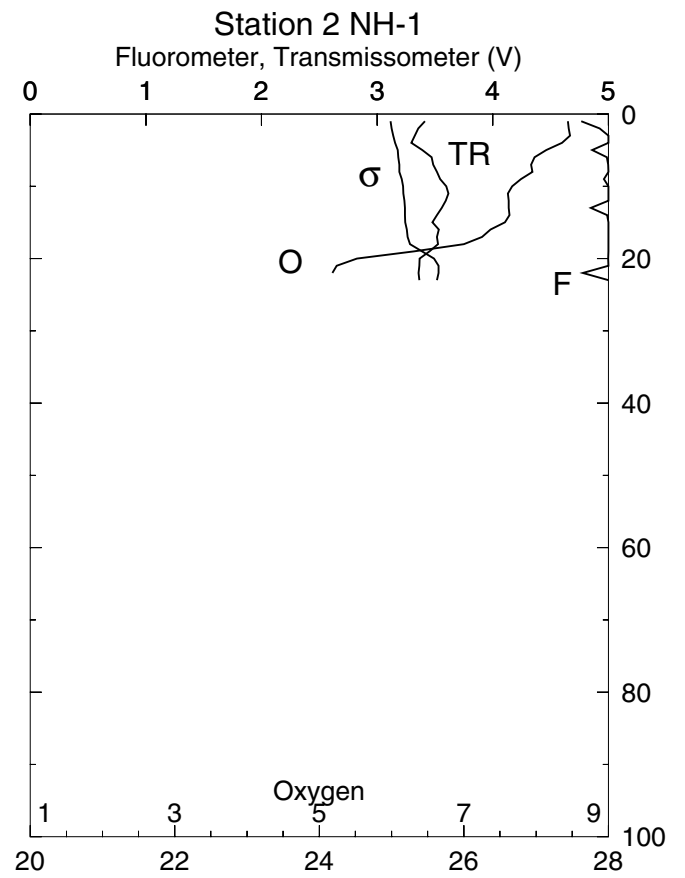
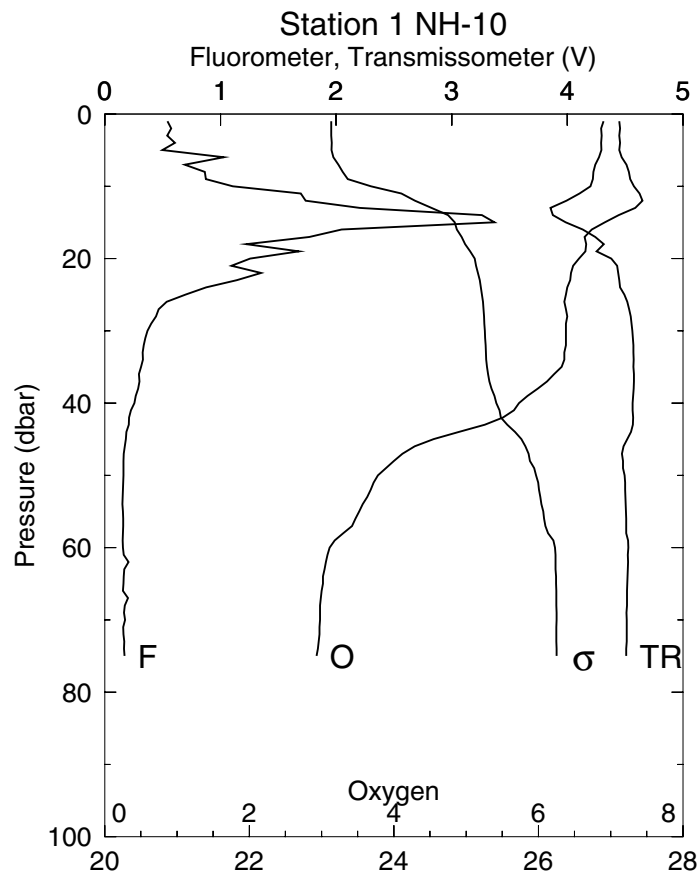


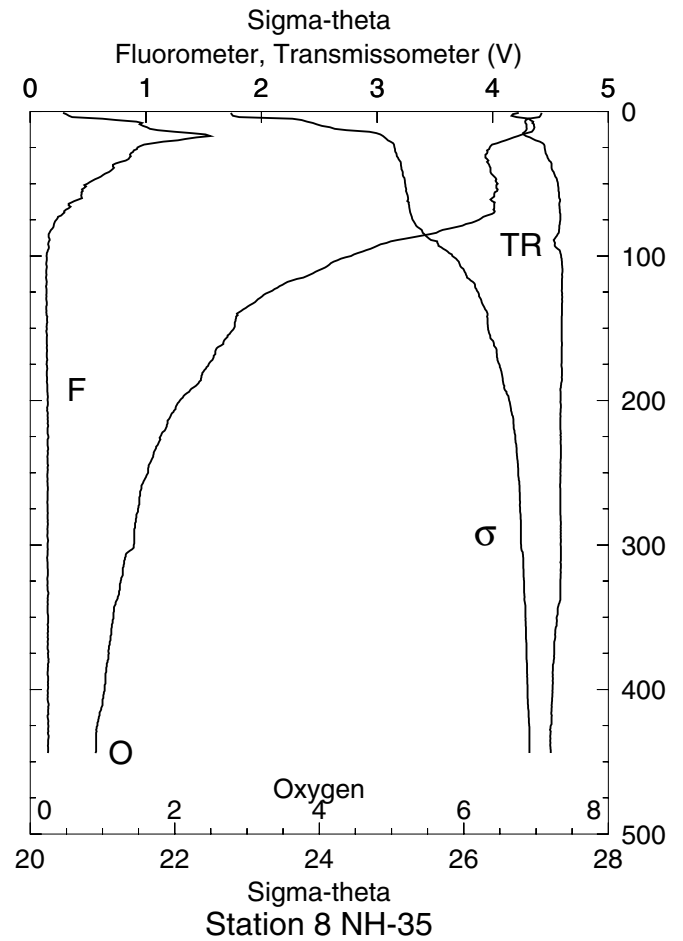
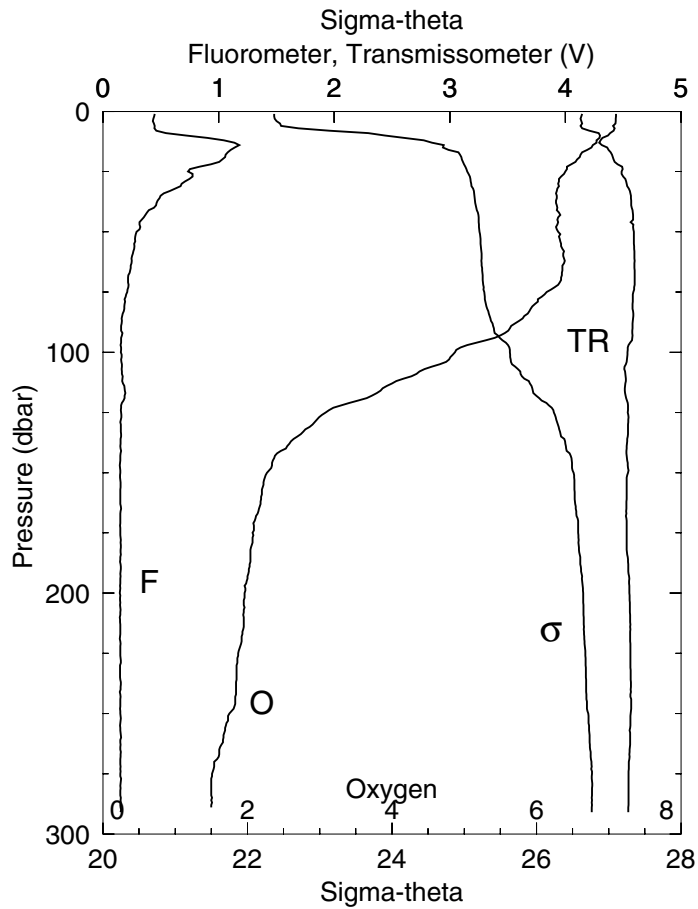
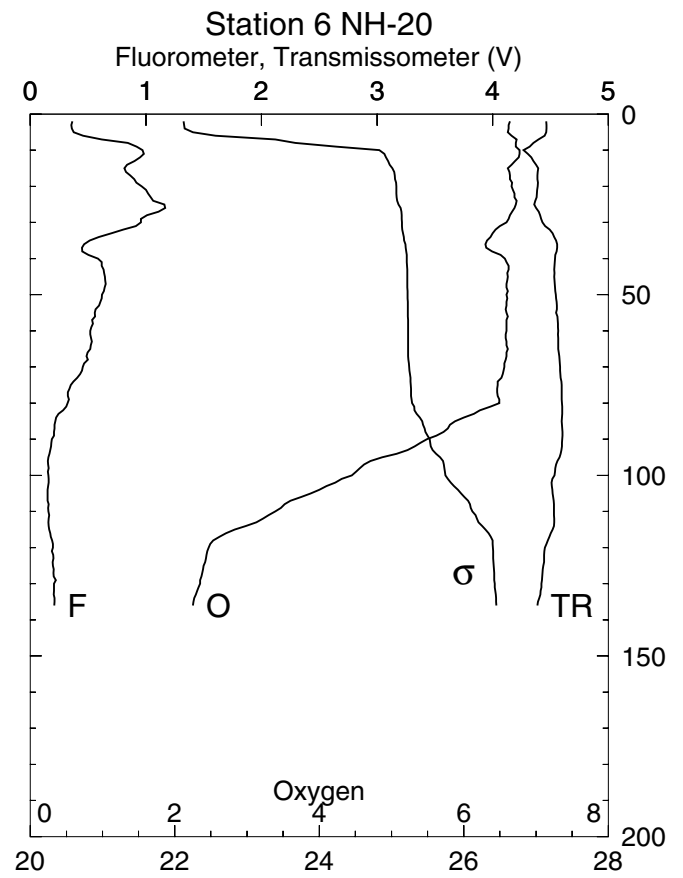
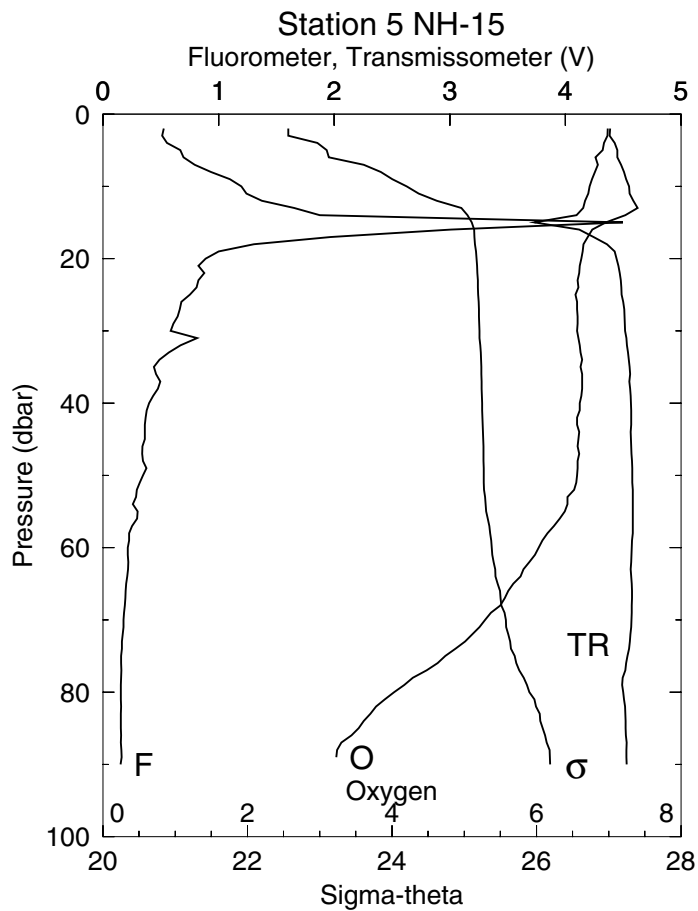


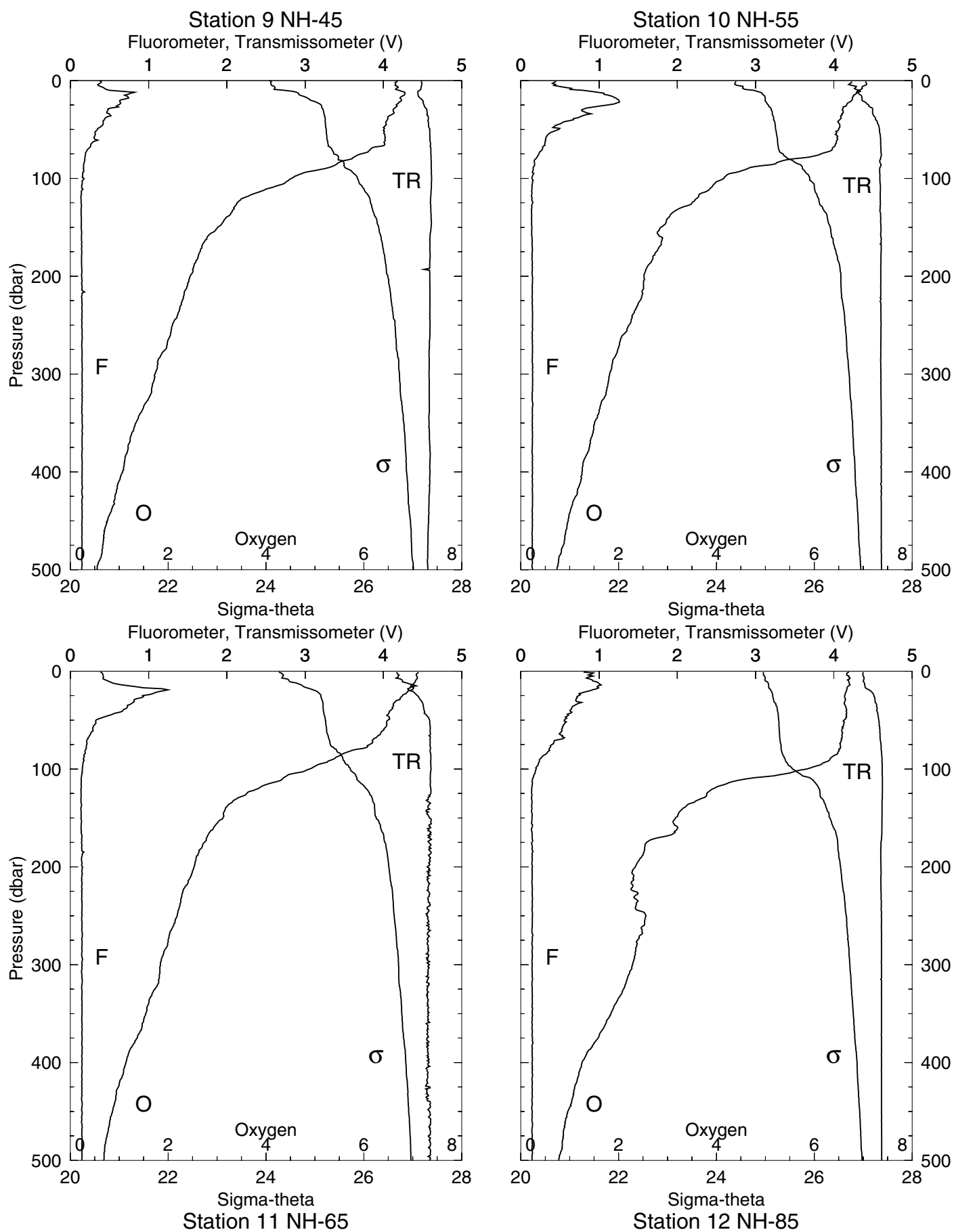


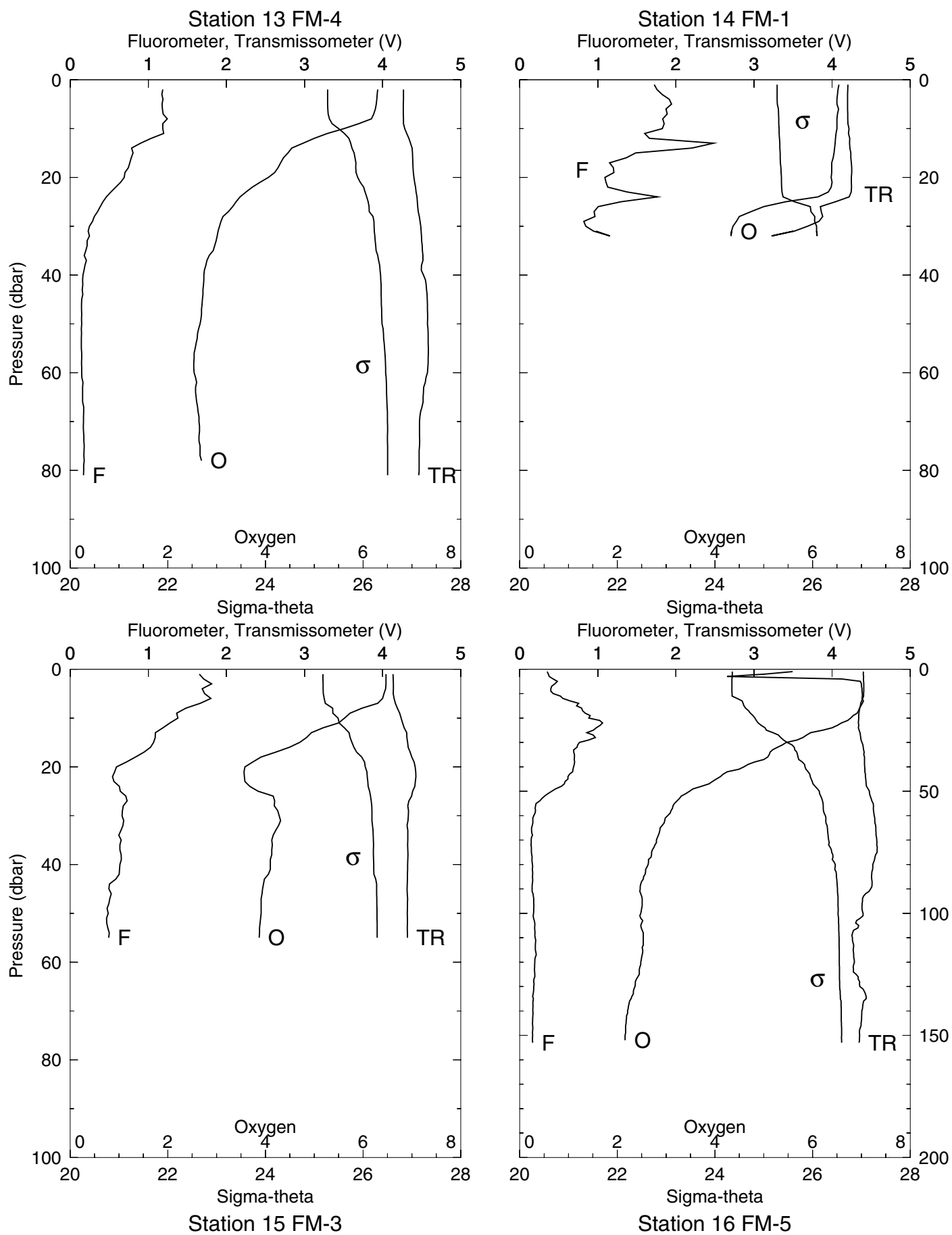


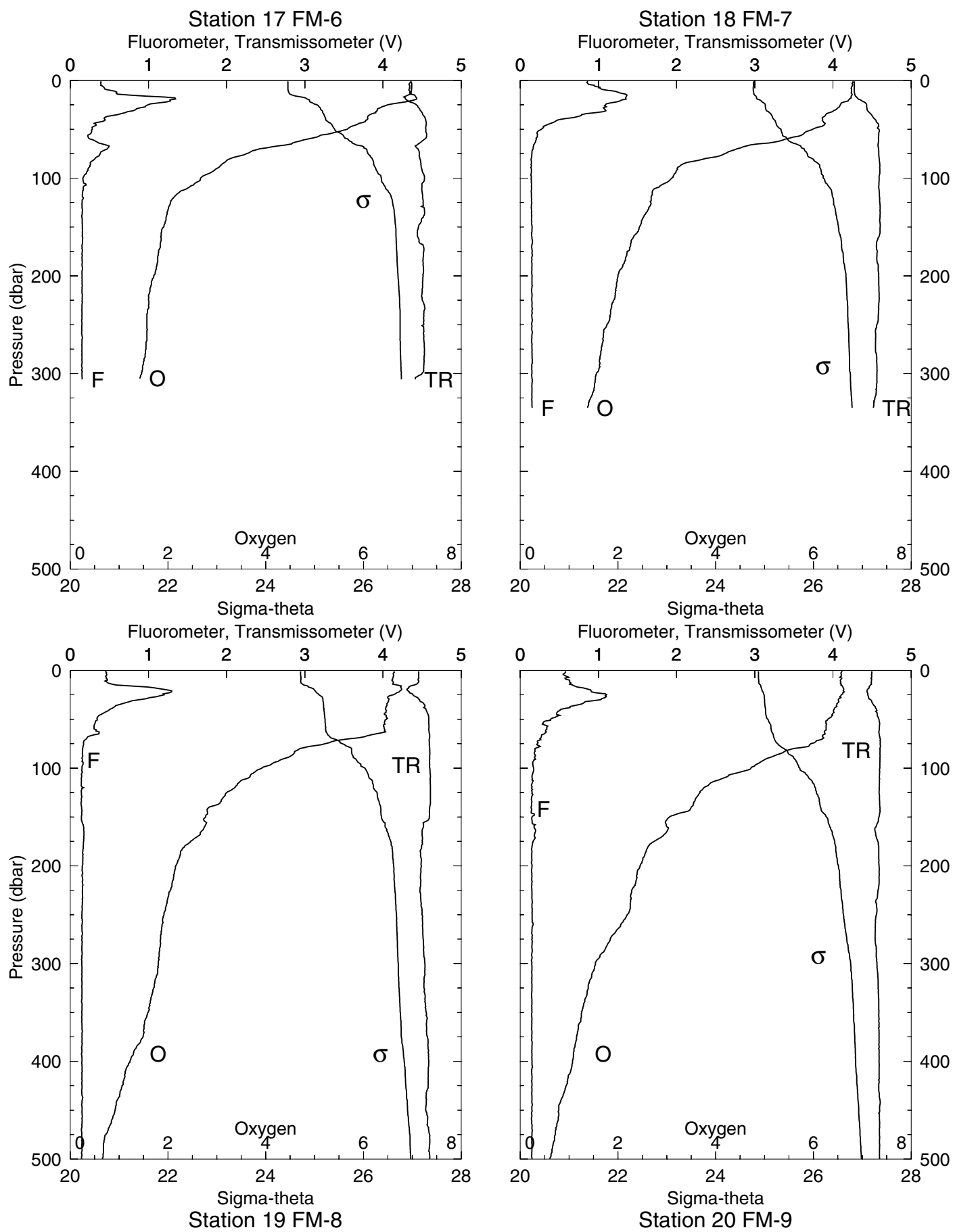
Station 15 NH-20

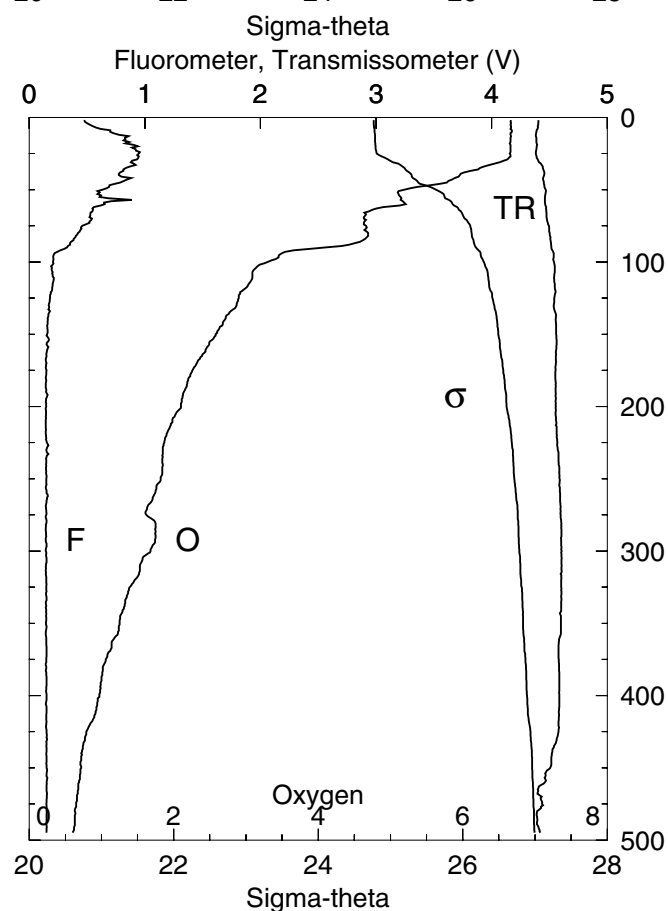
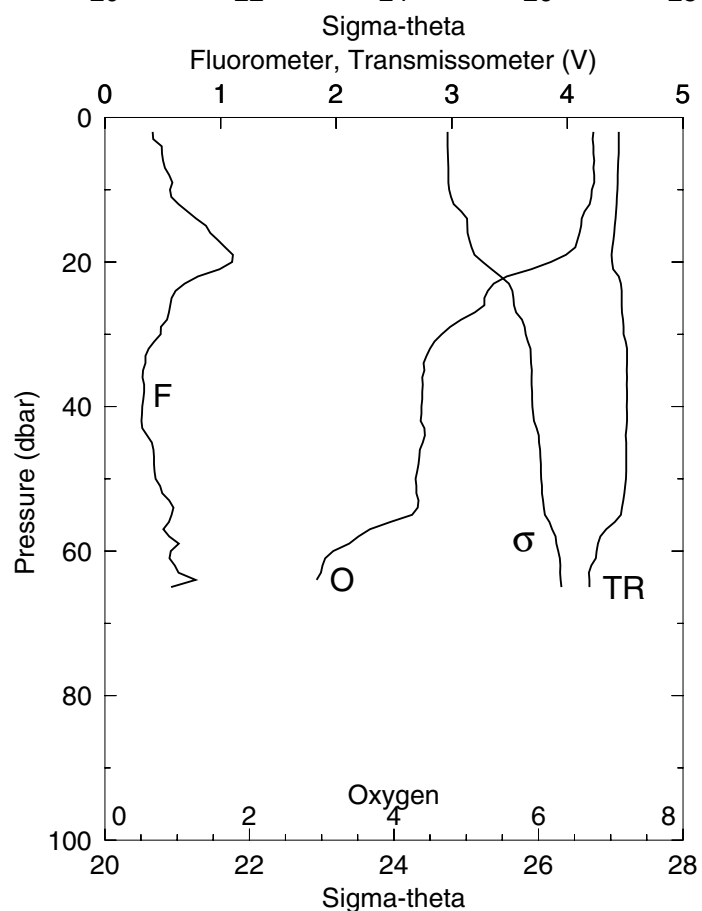
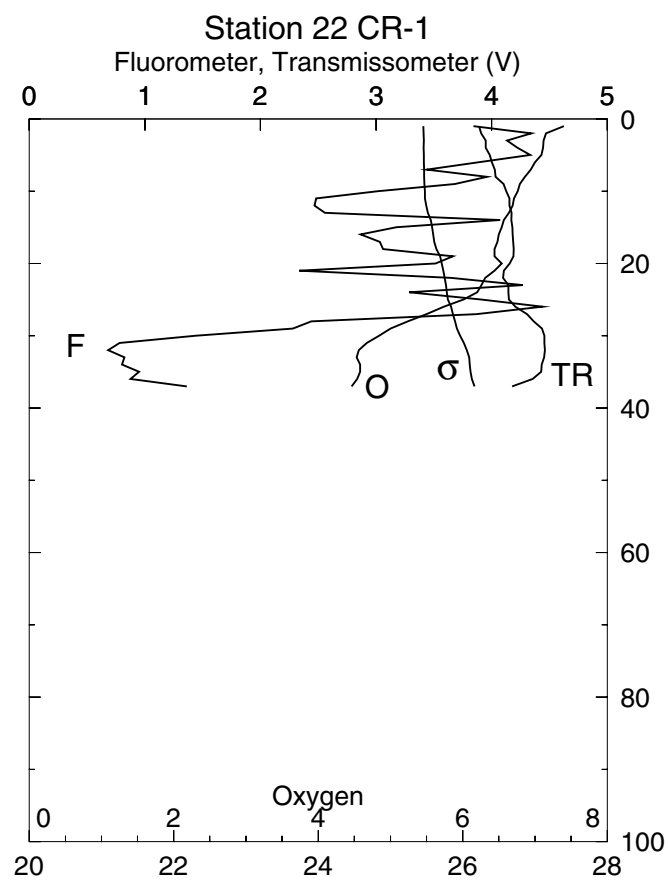
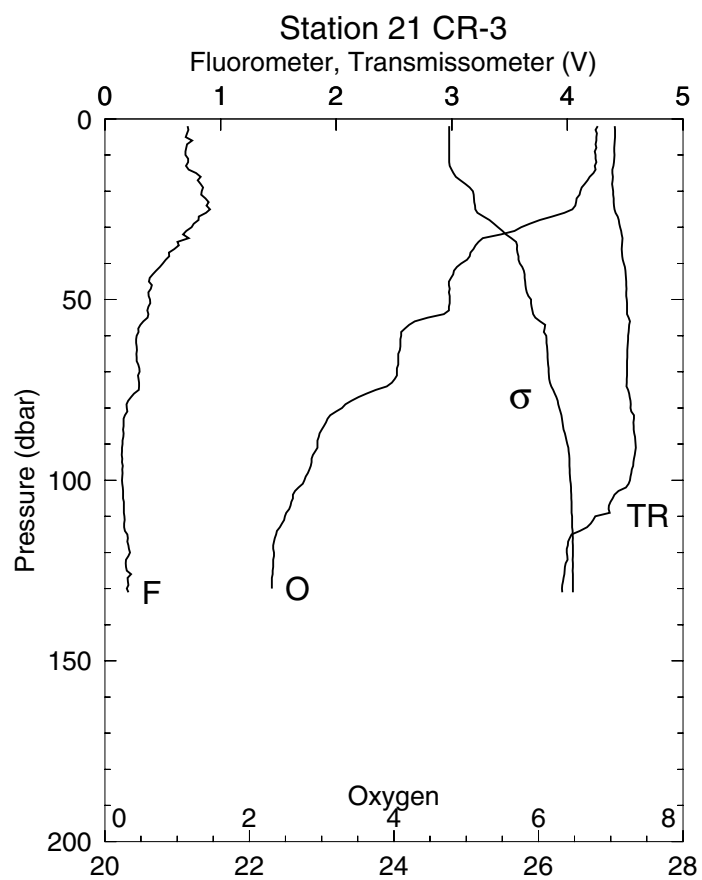


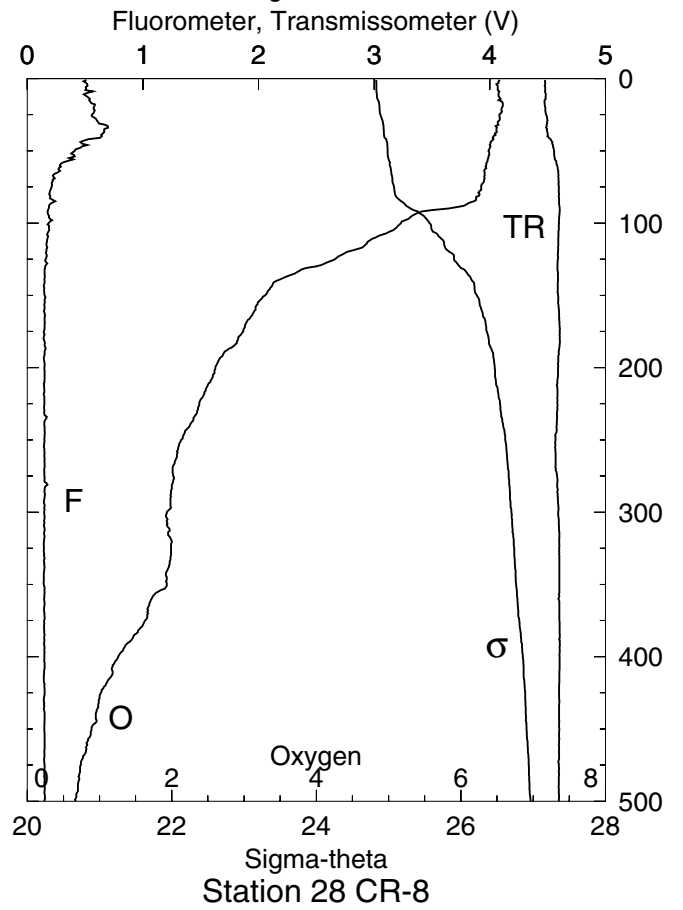
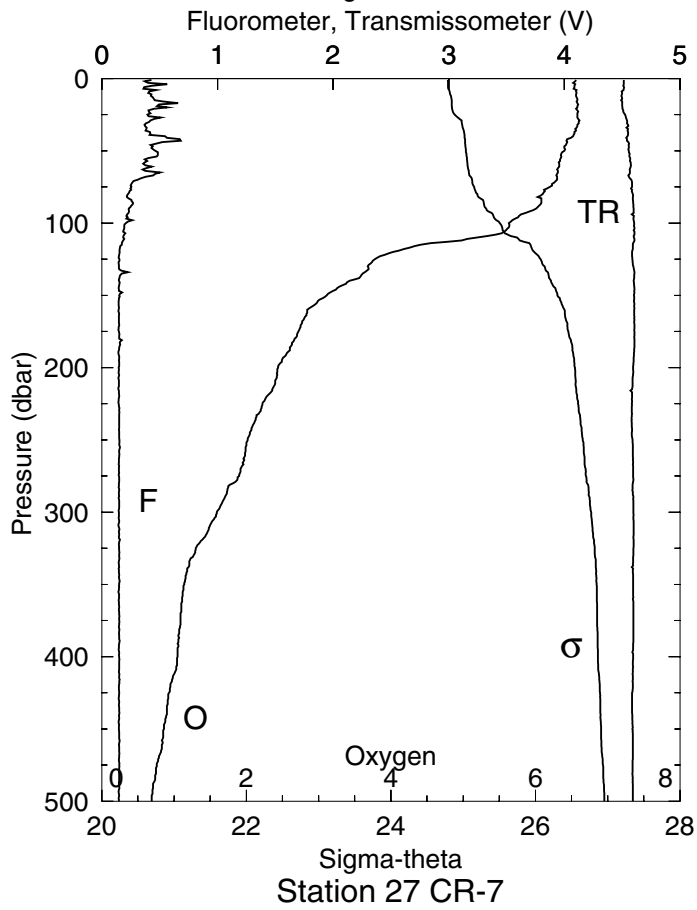
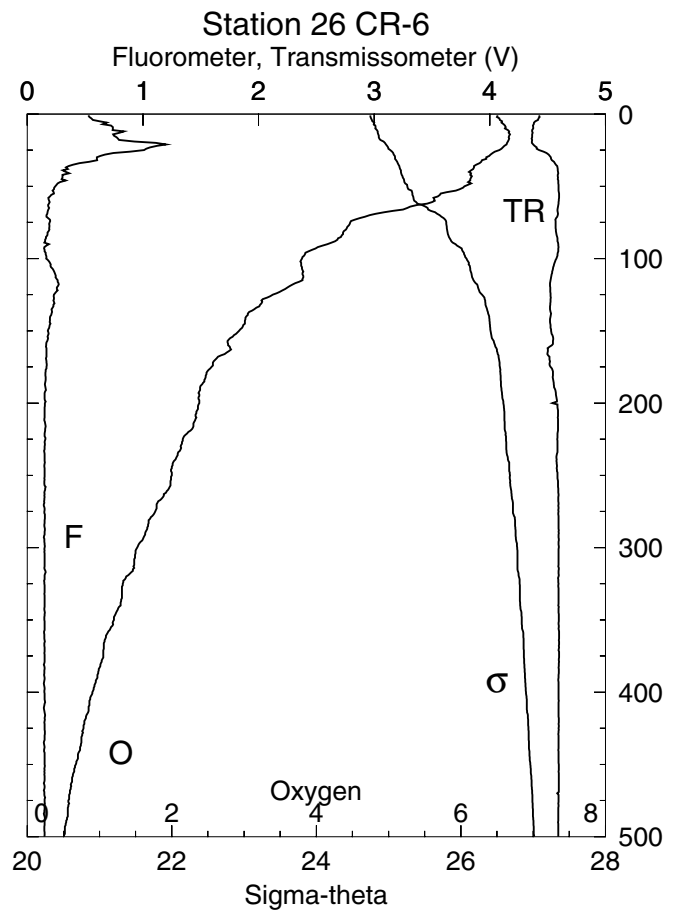
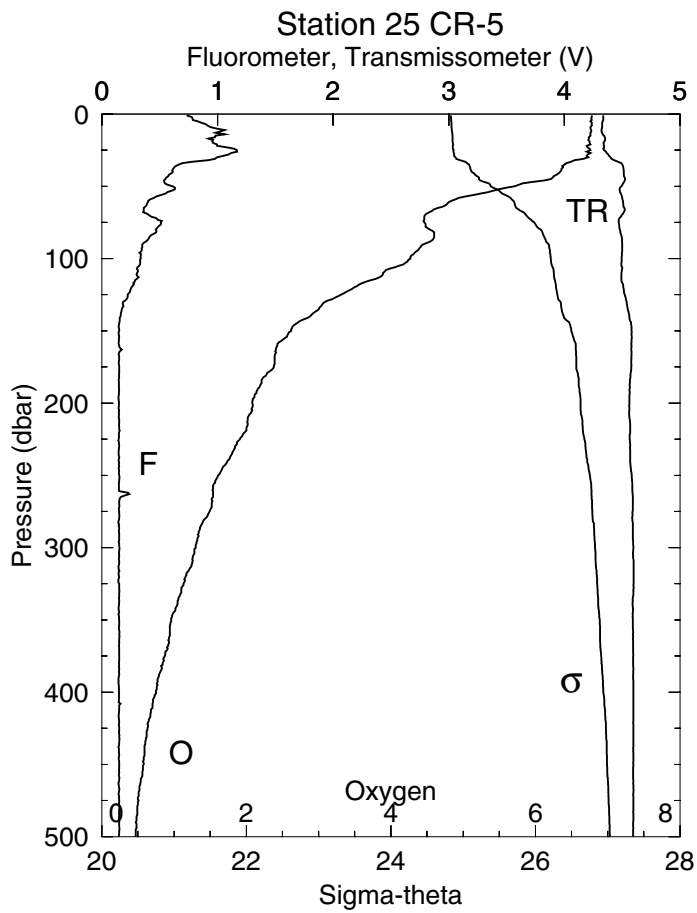




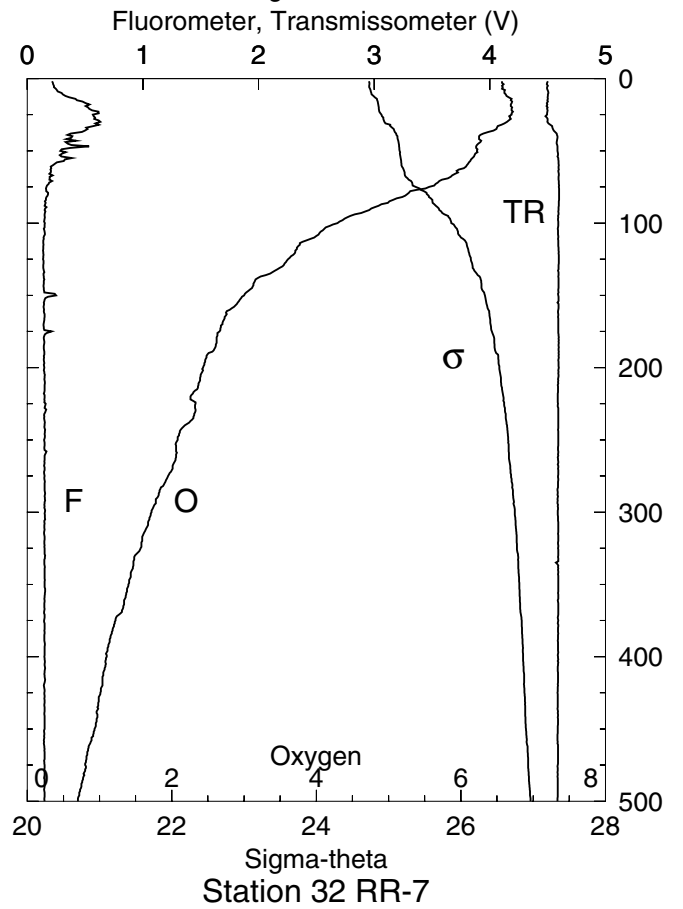
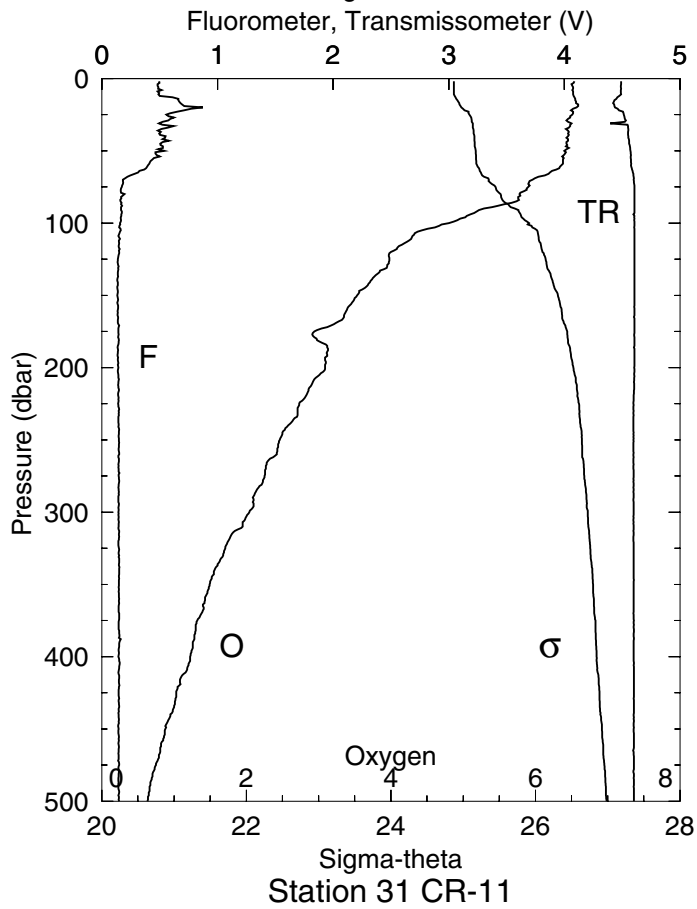
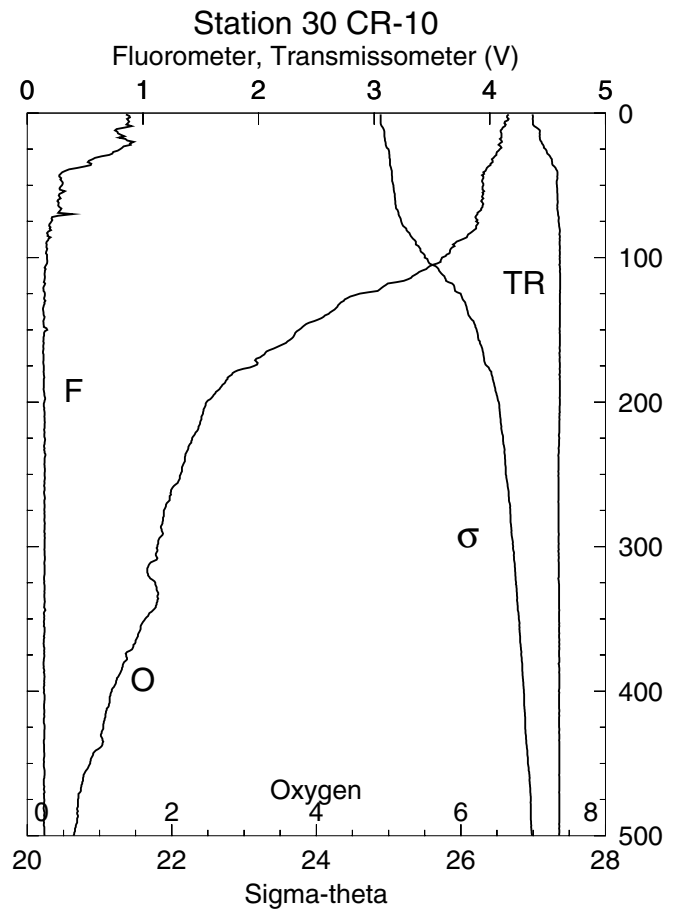
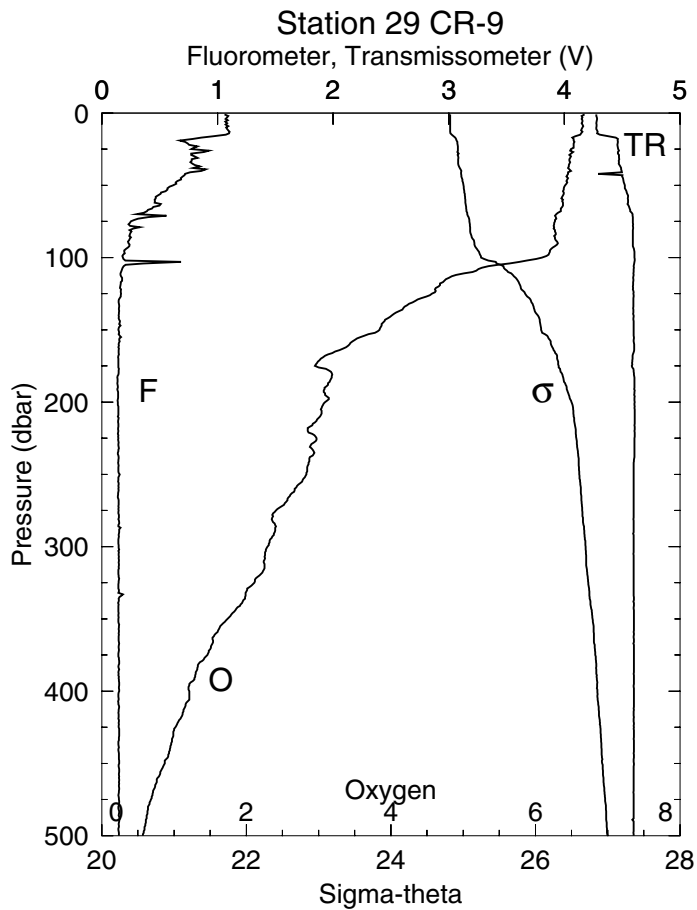


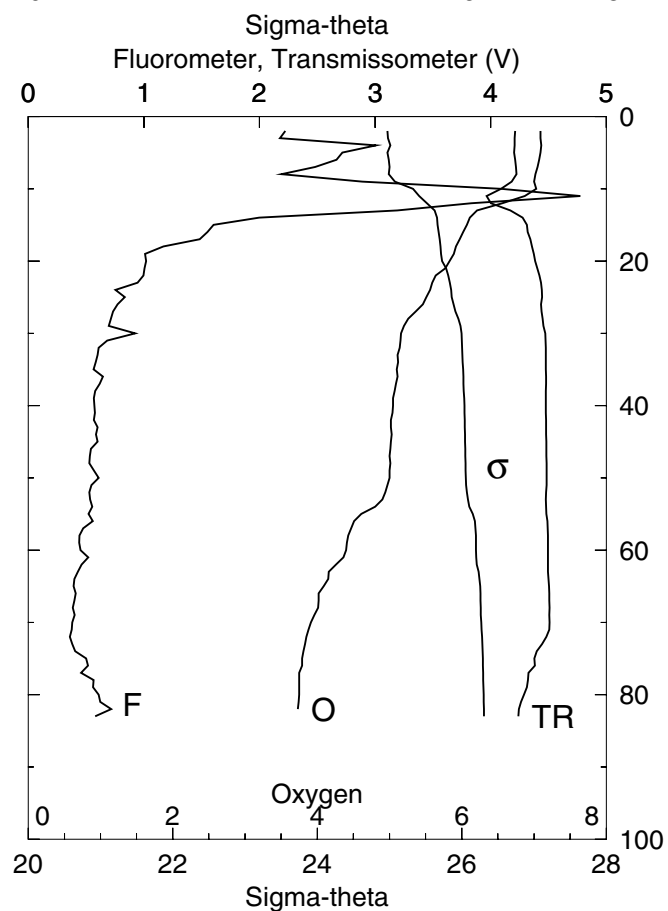
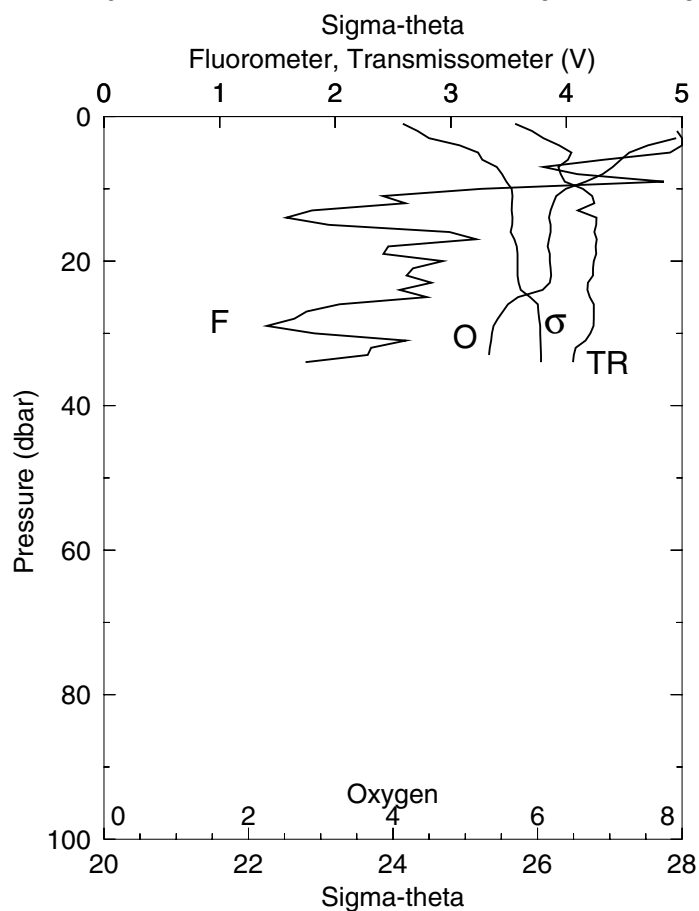
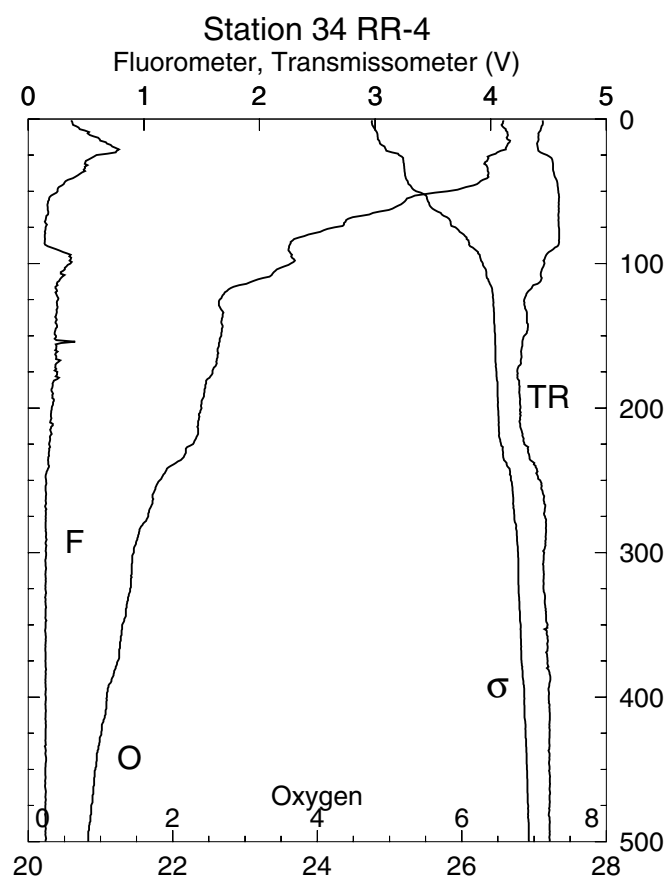
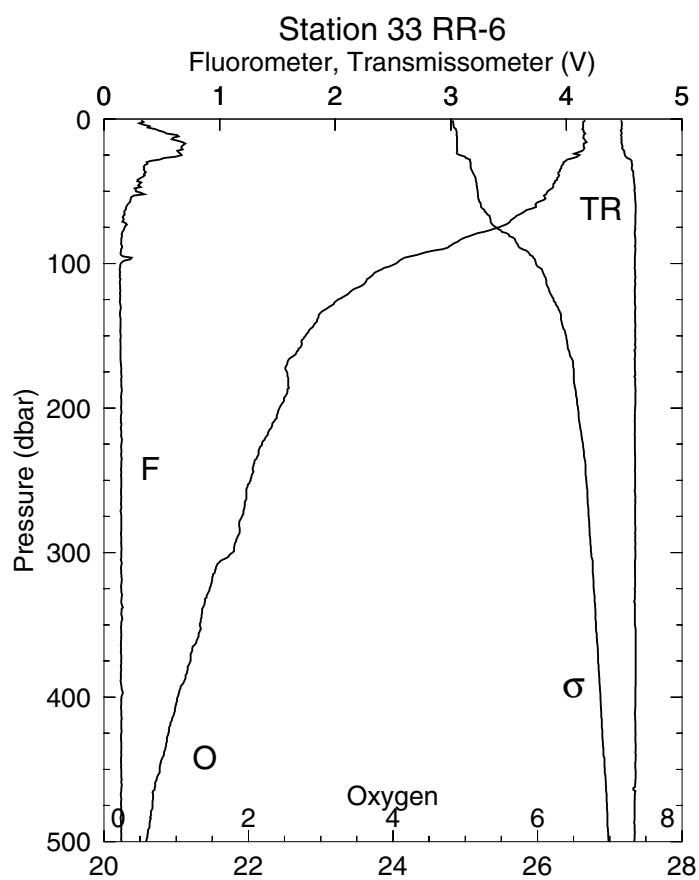


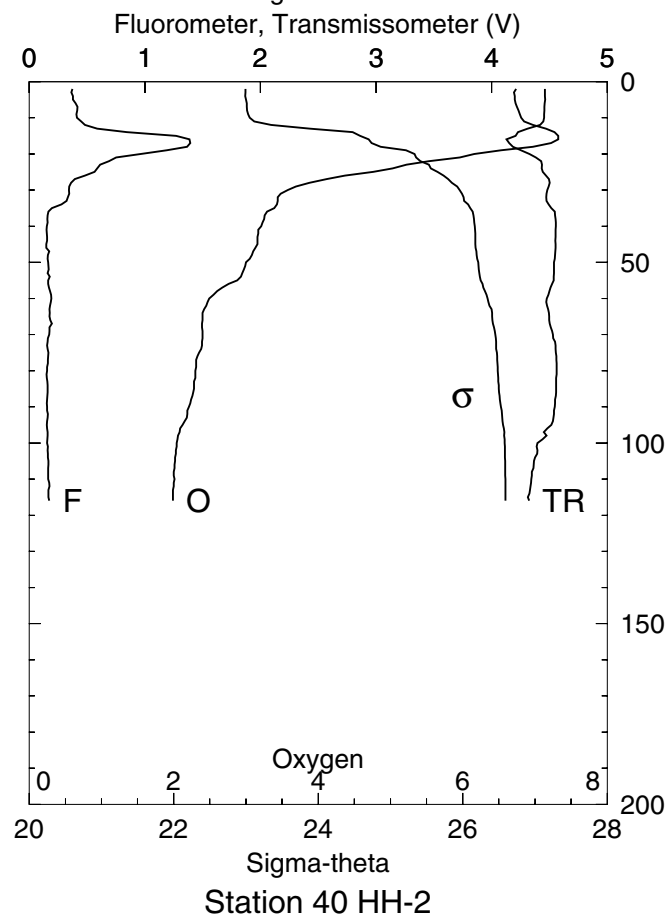
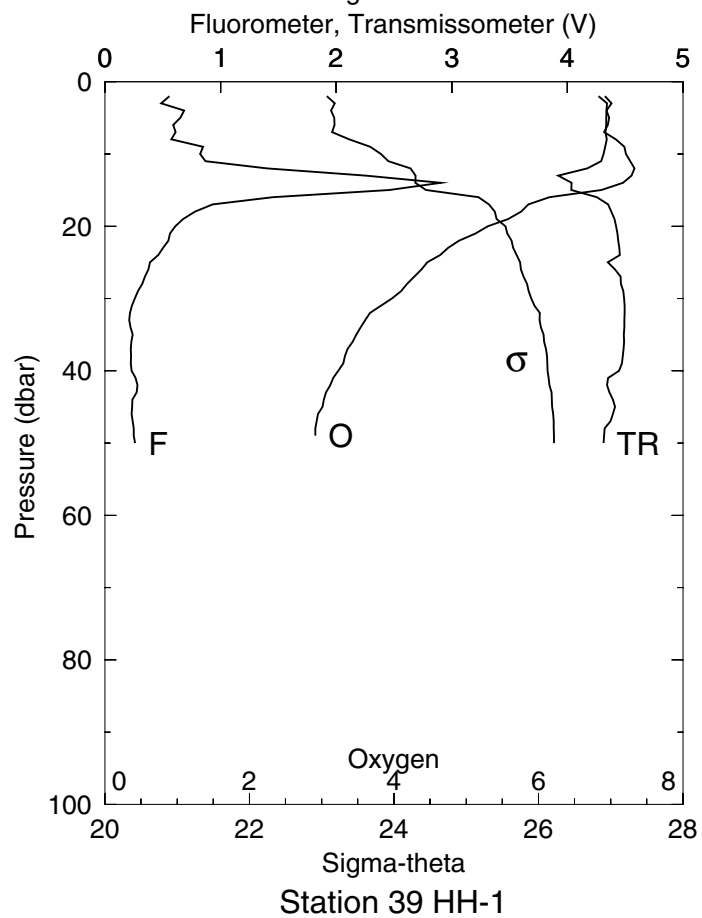
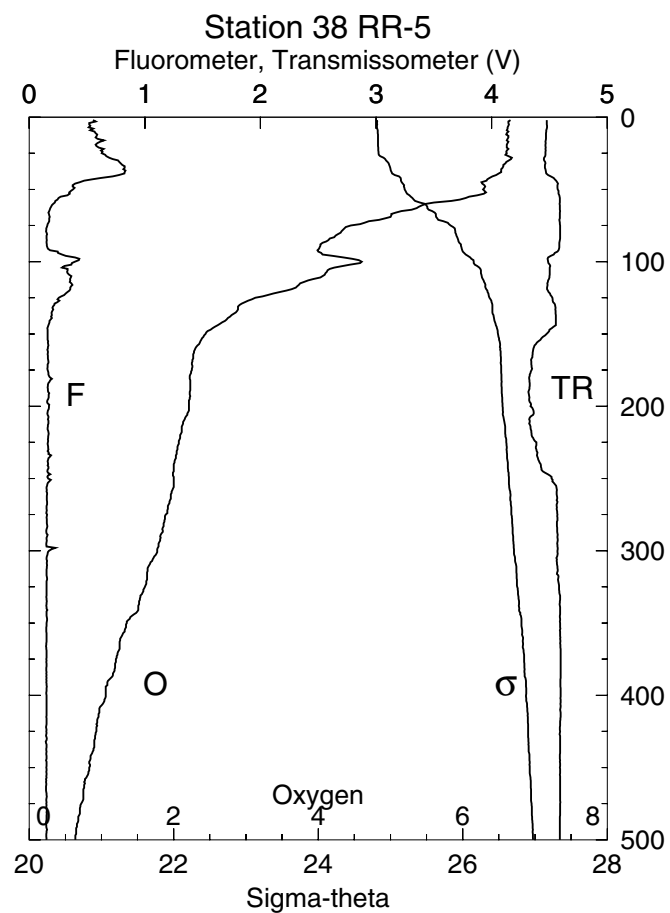
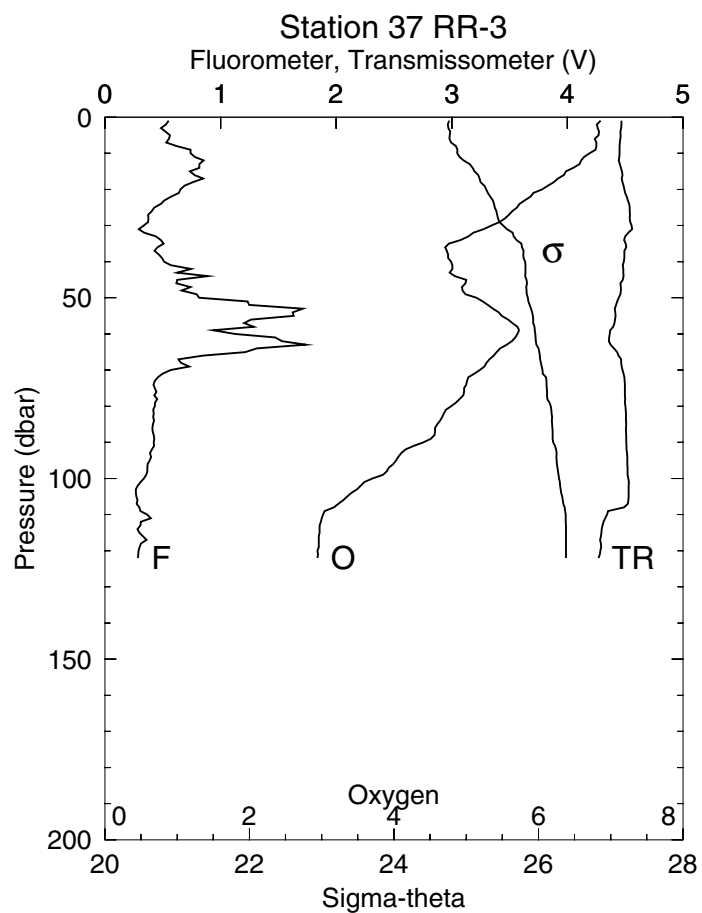


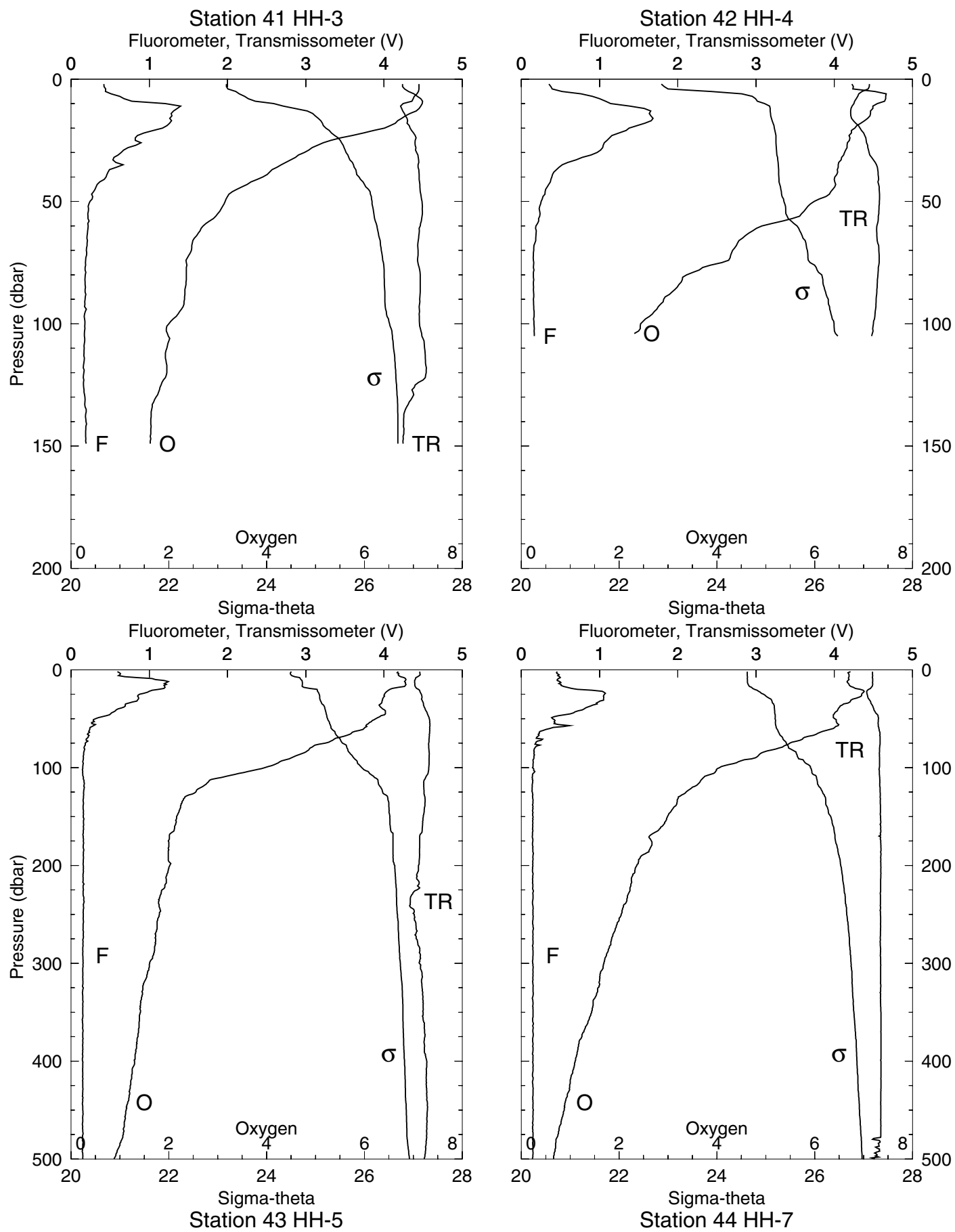


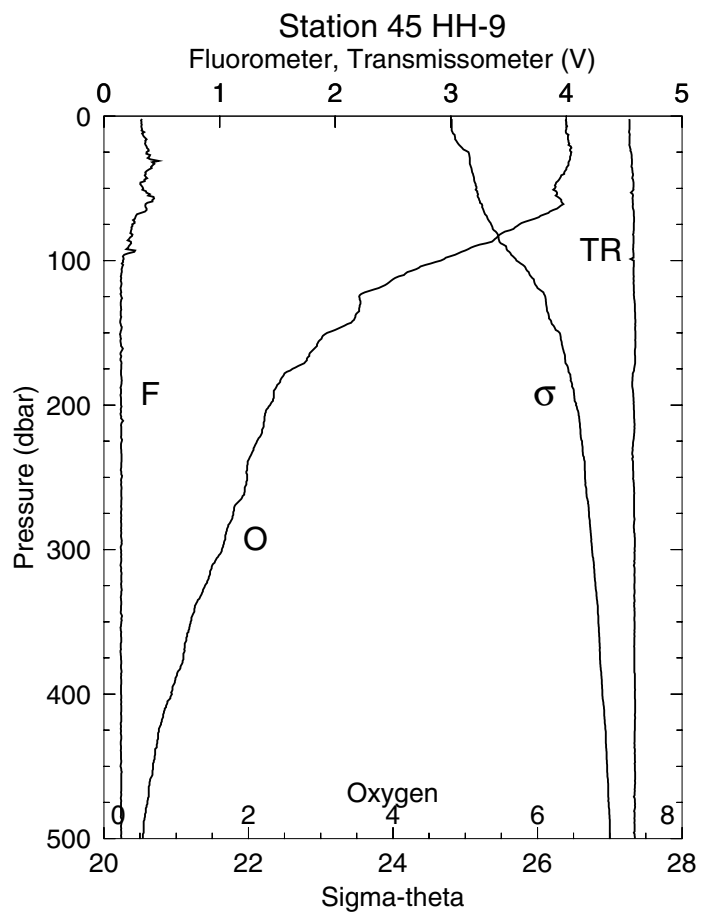


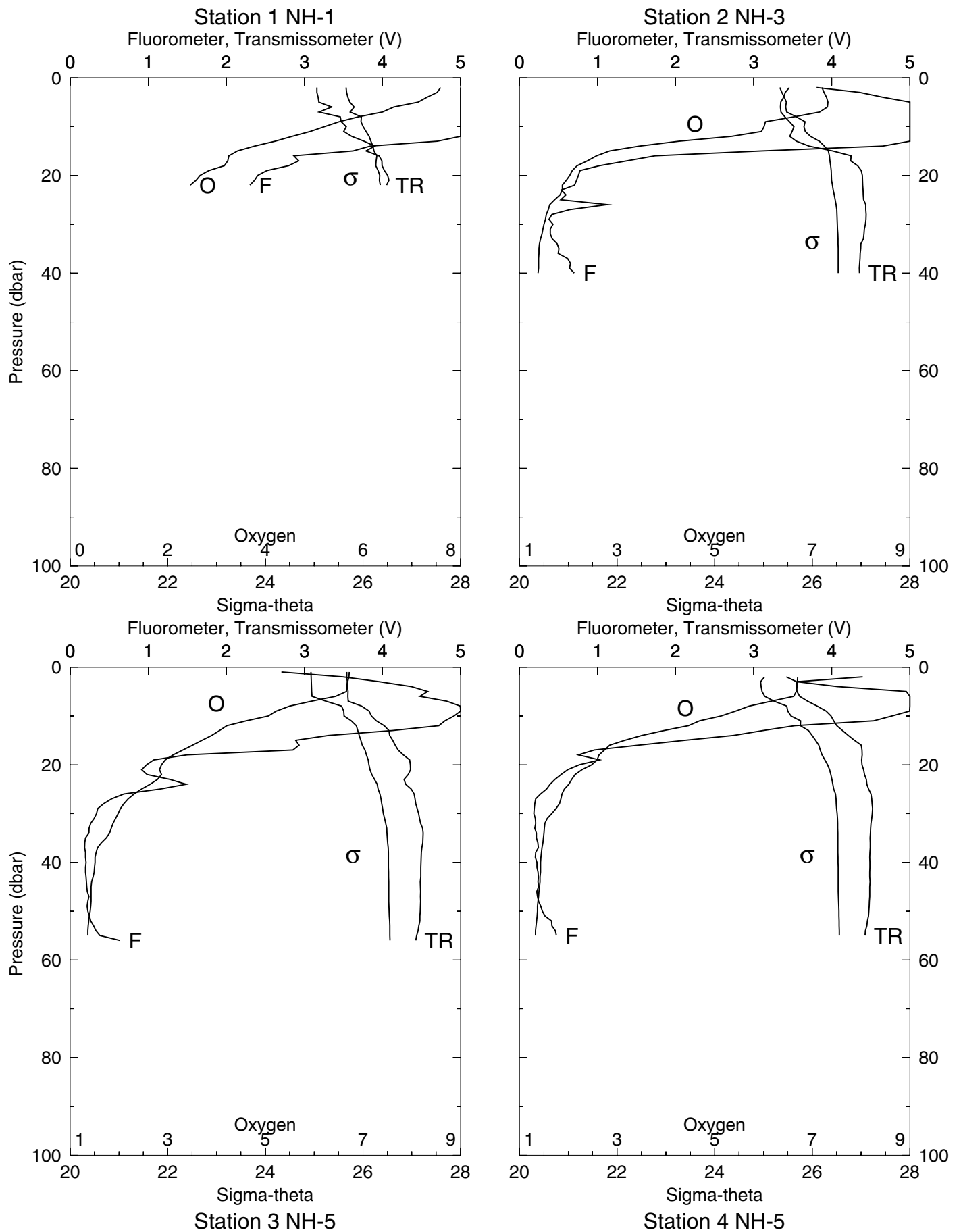


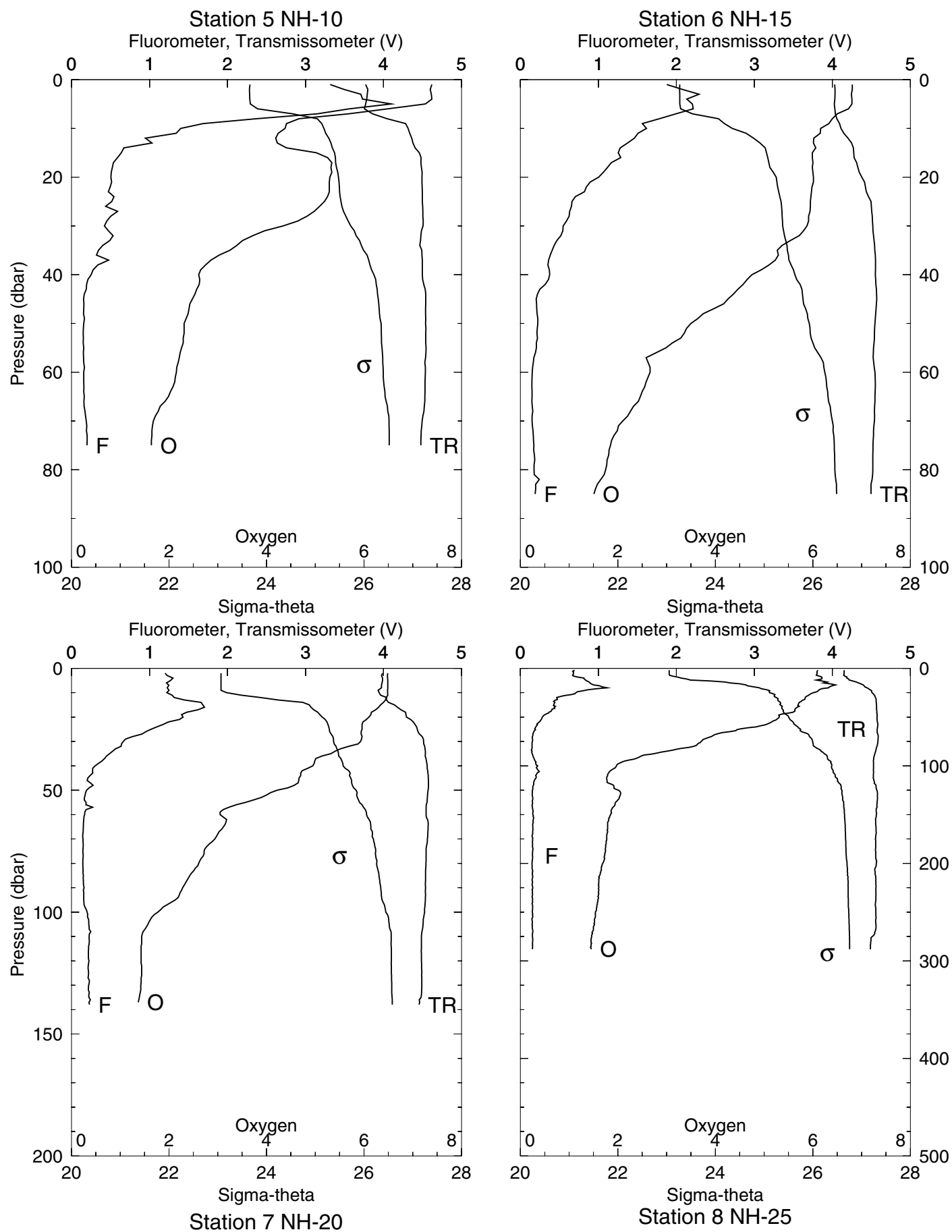


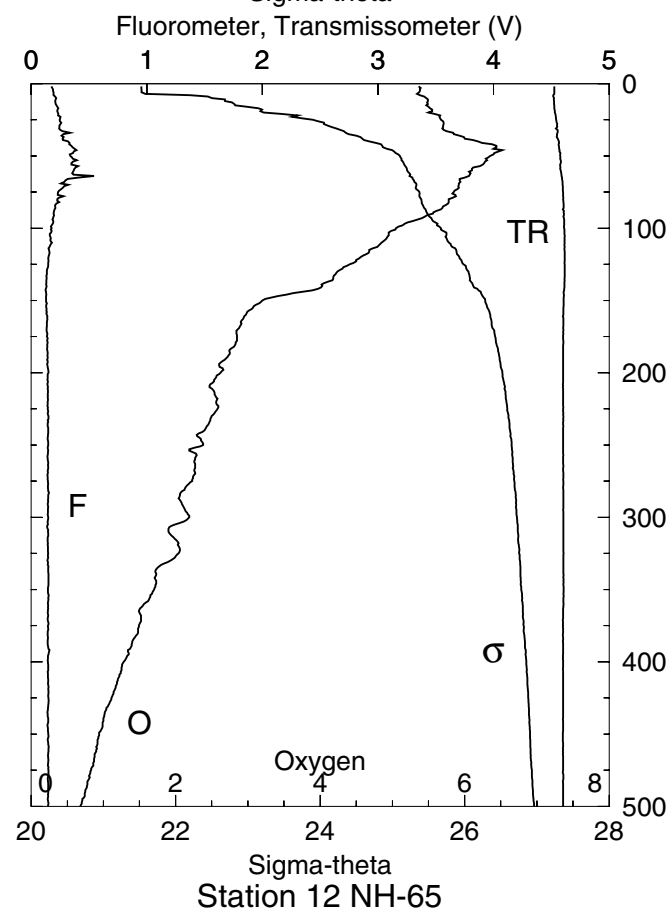
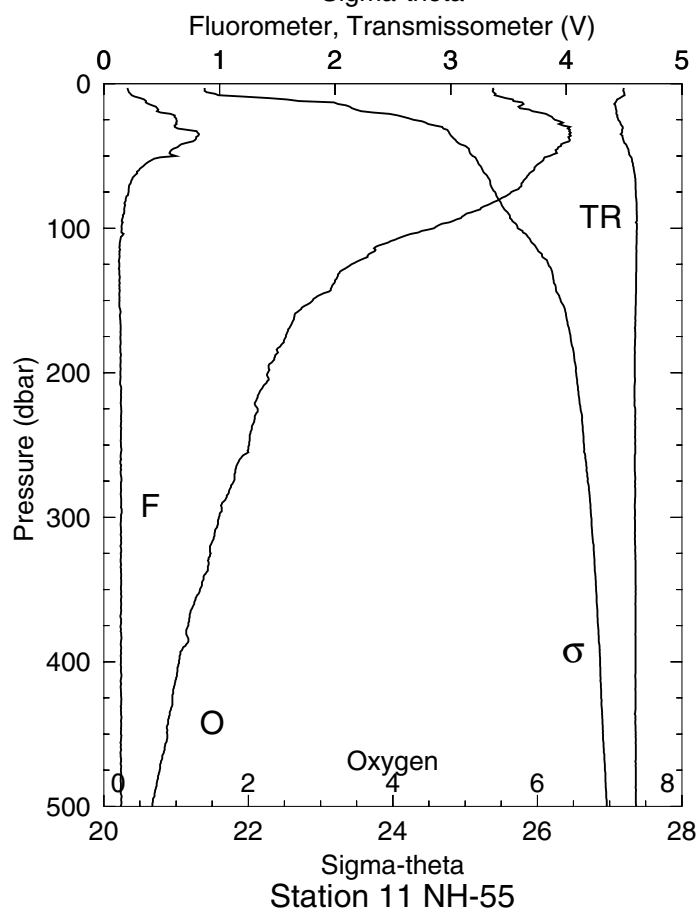
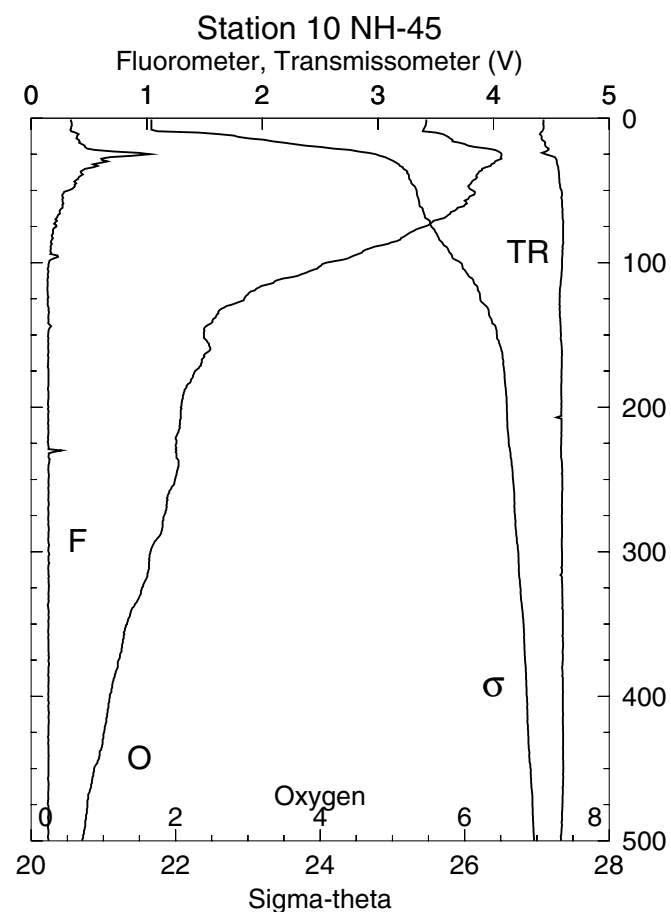
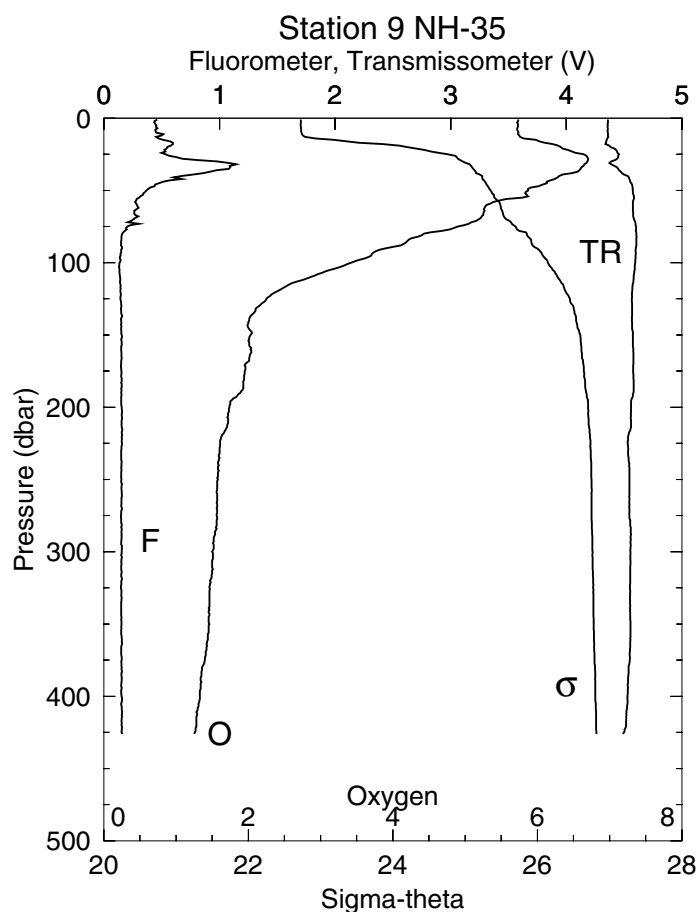




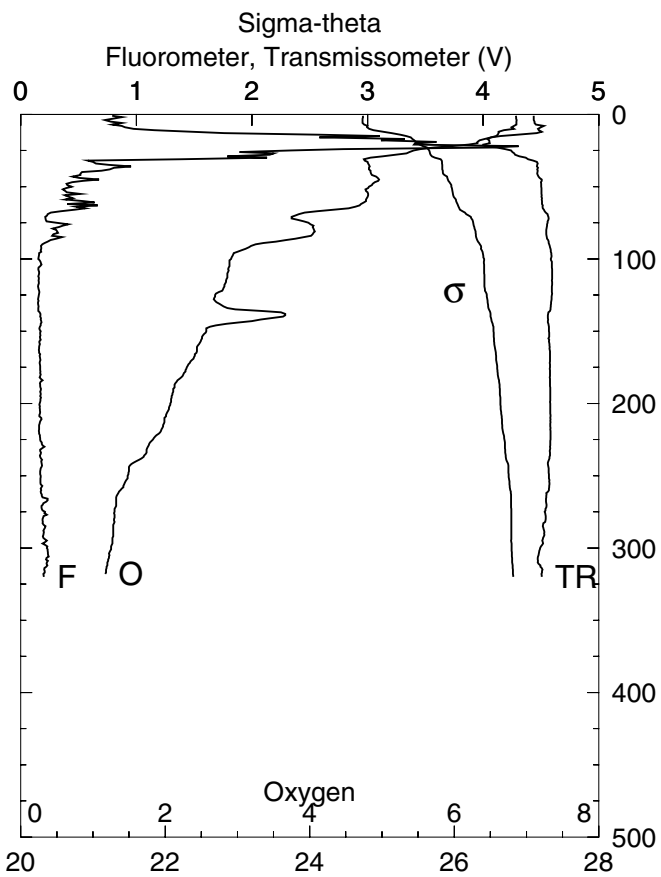
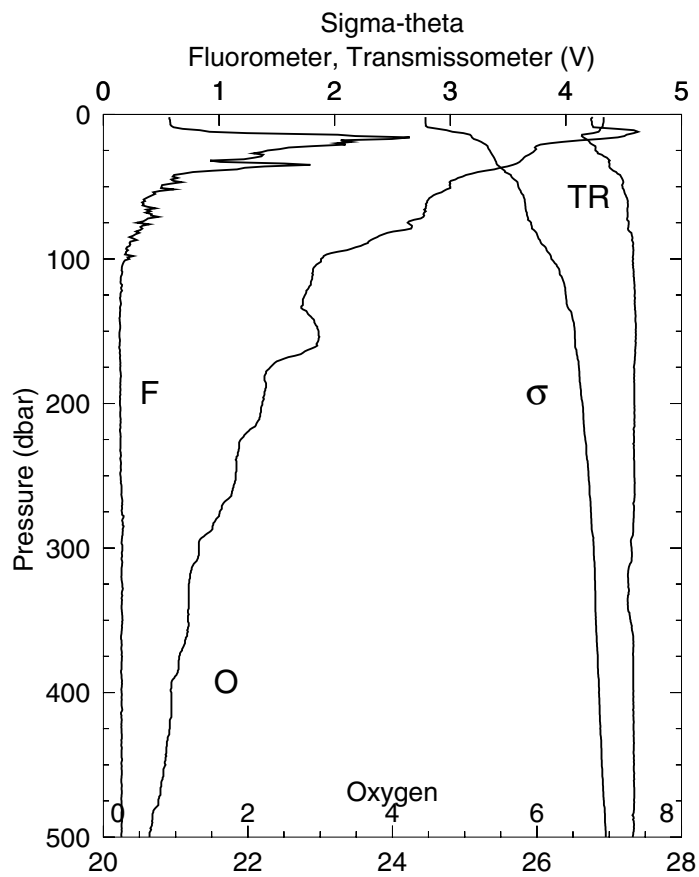
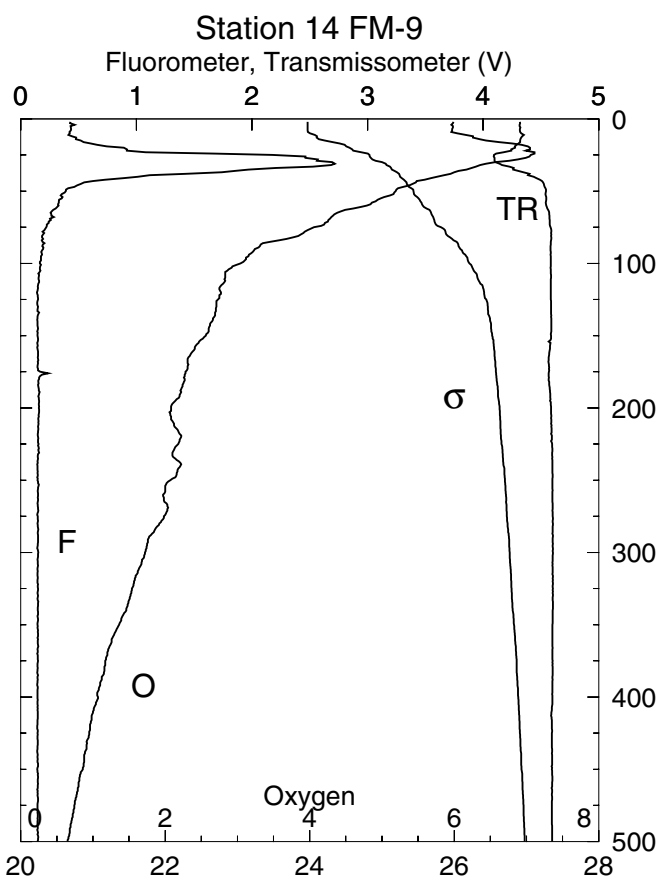
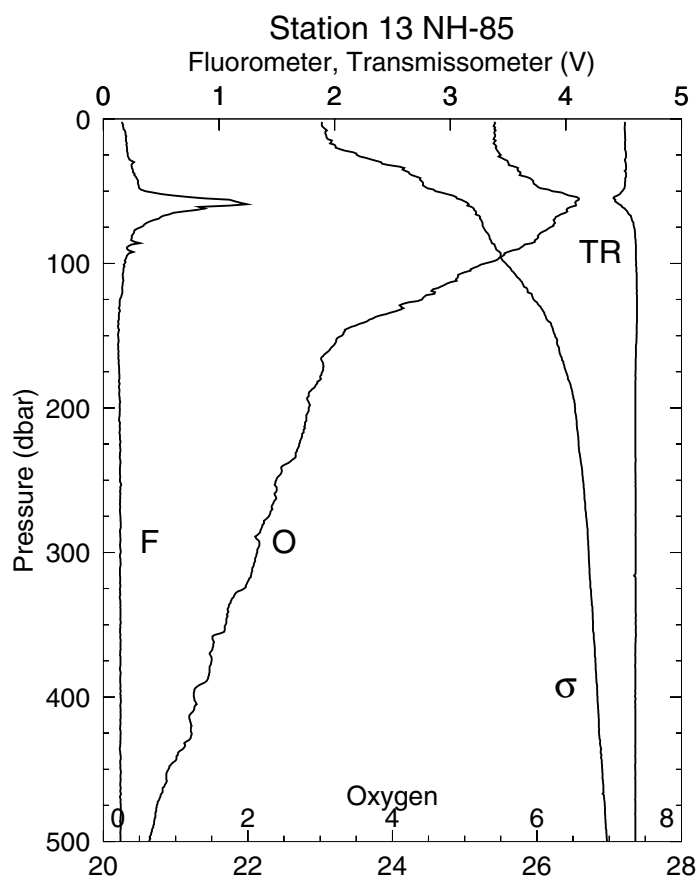


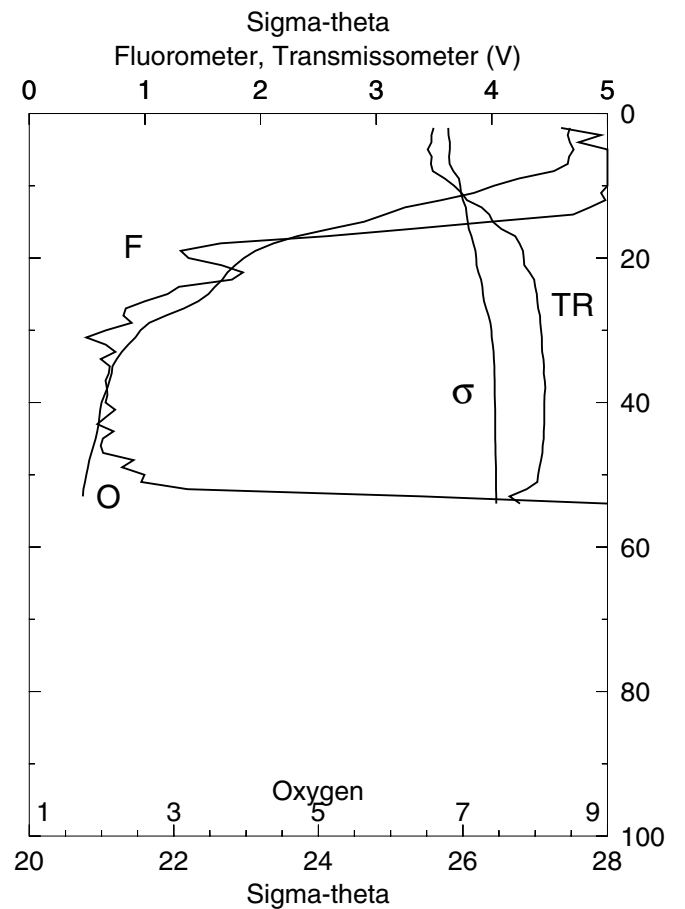
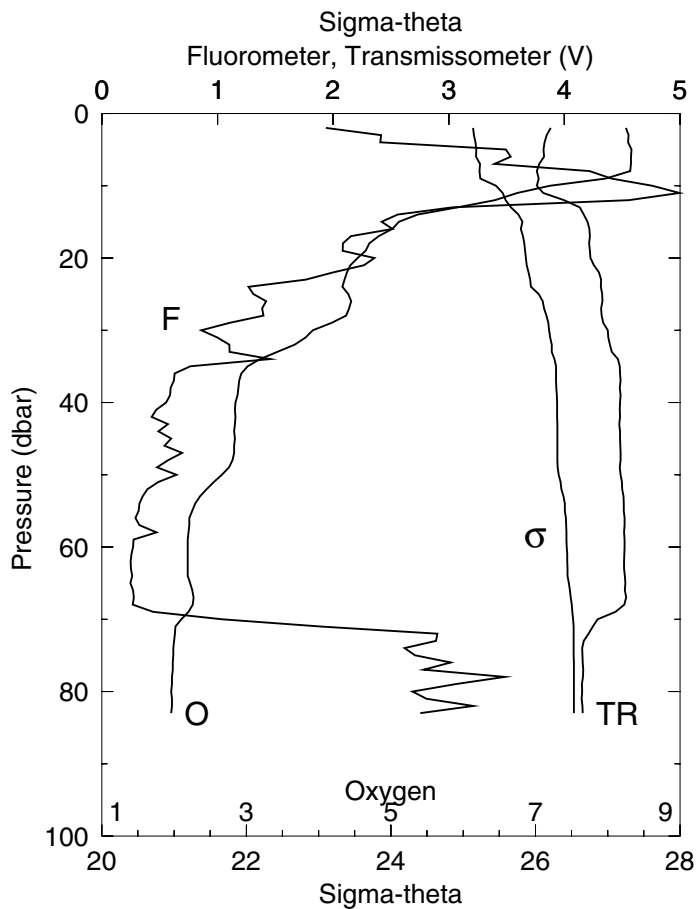
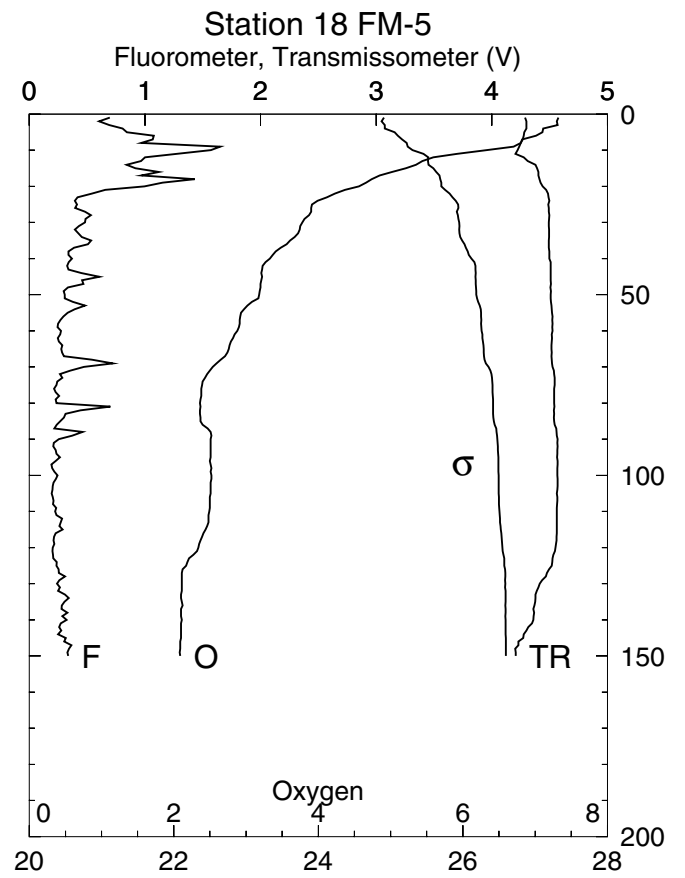
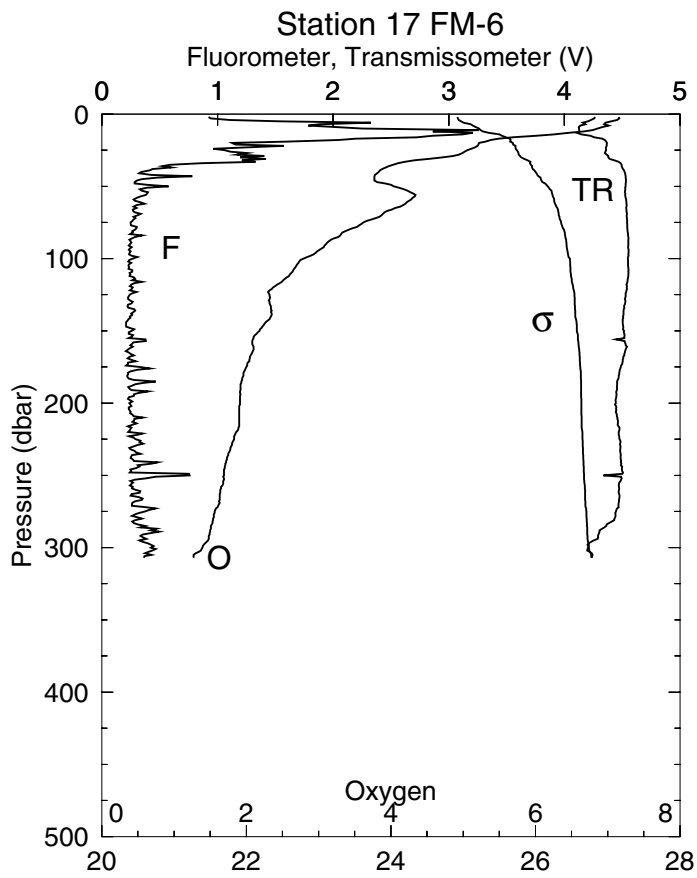


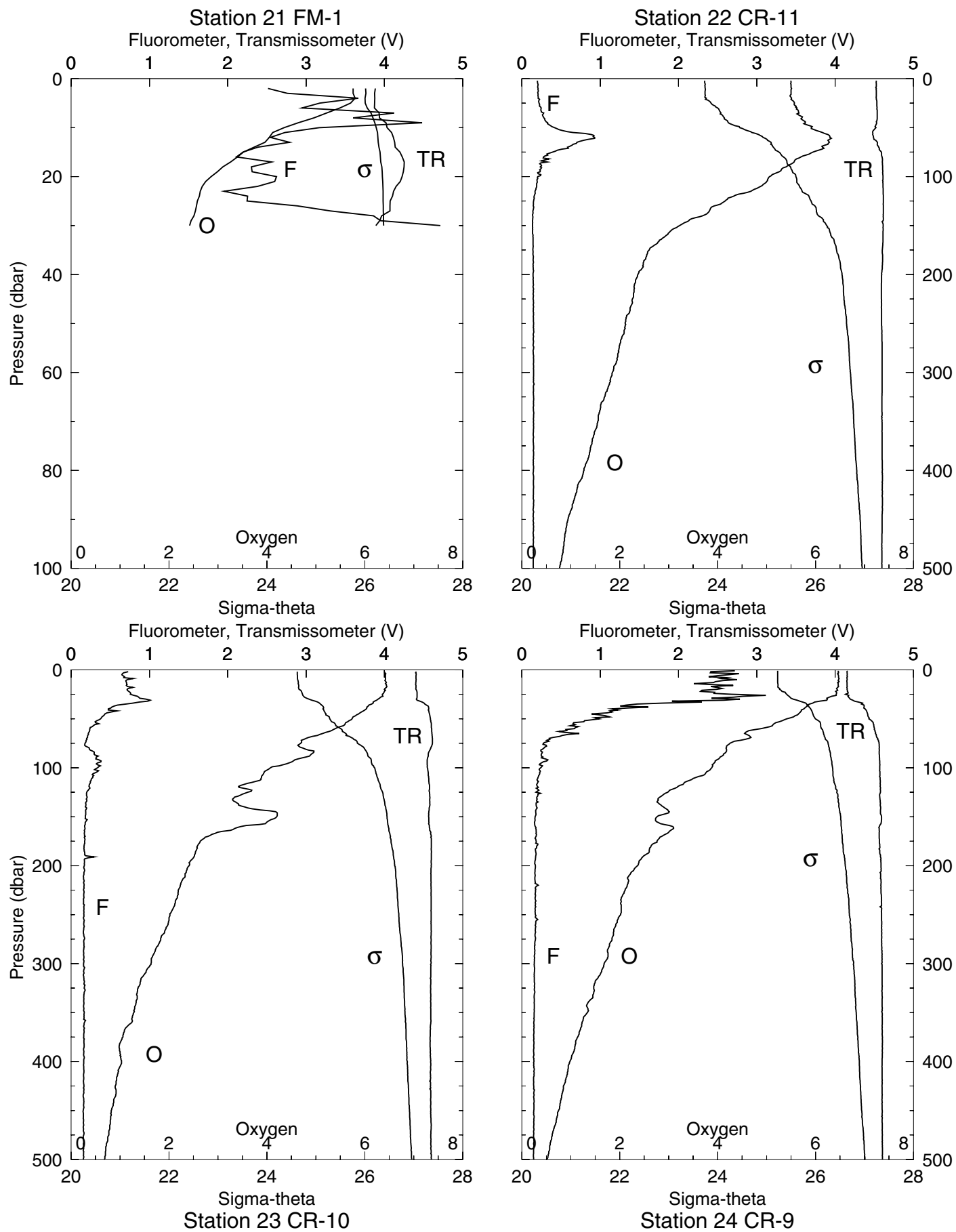


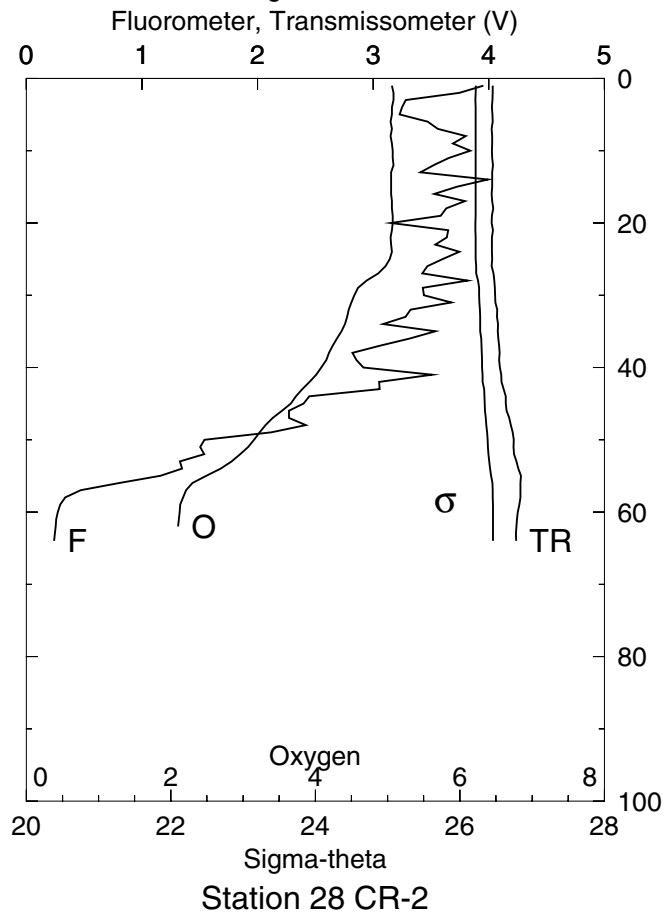
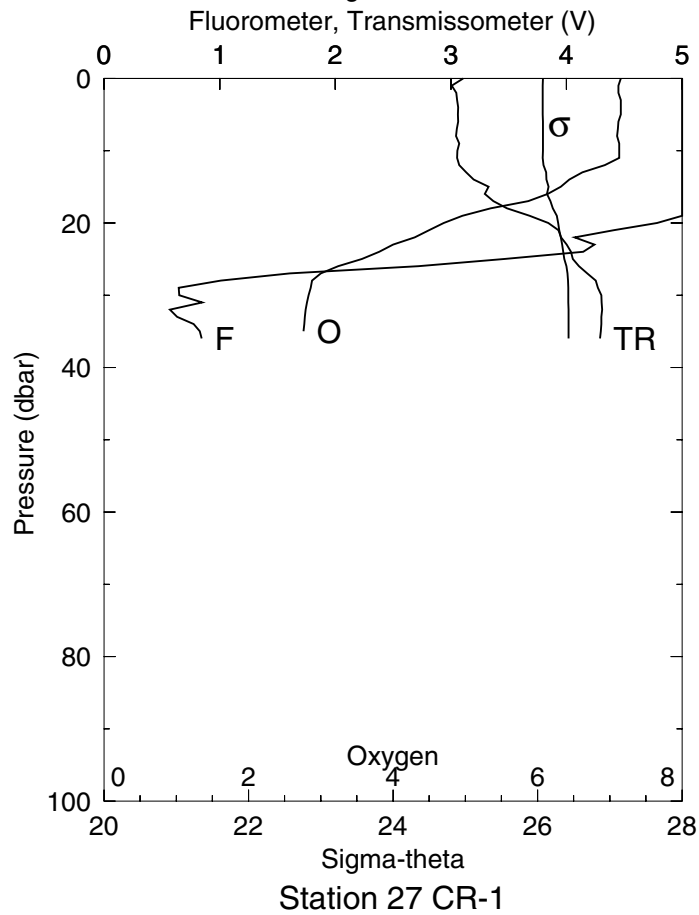
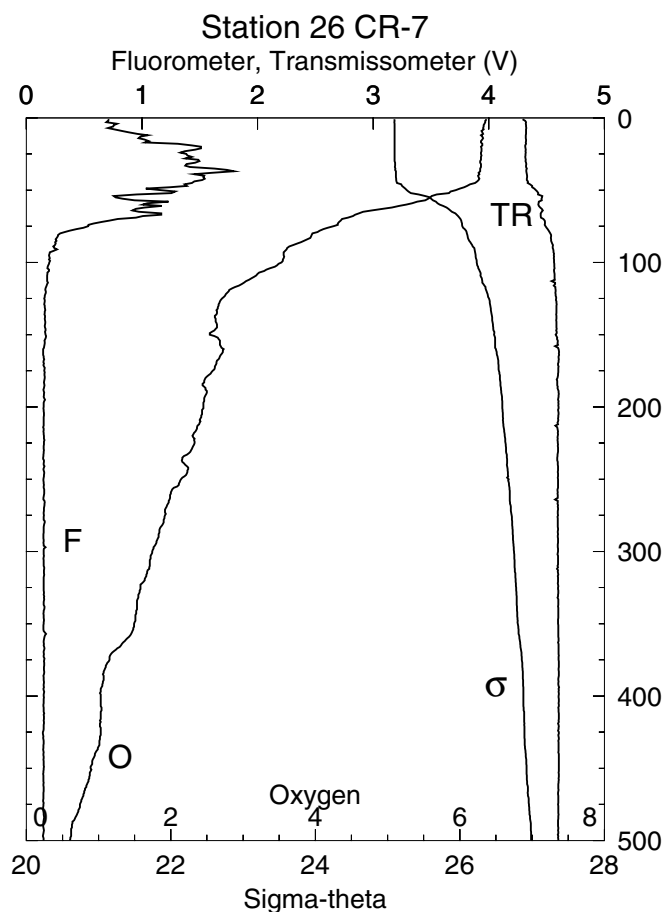
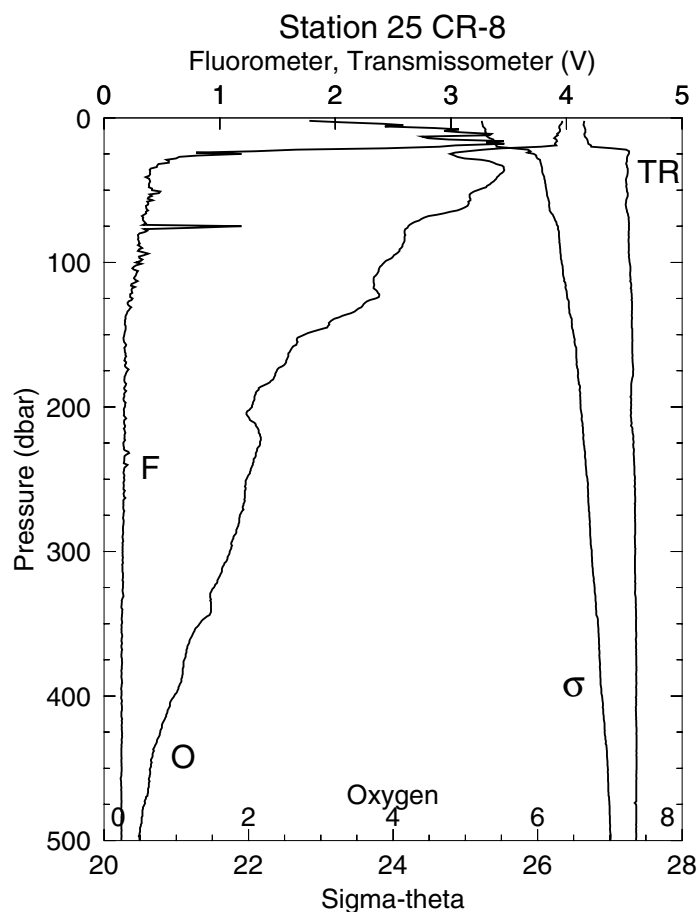


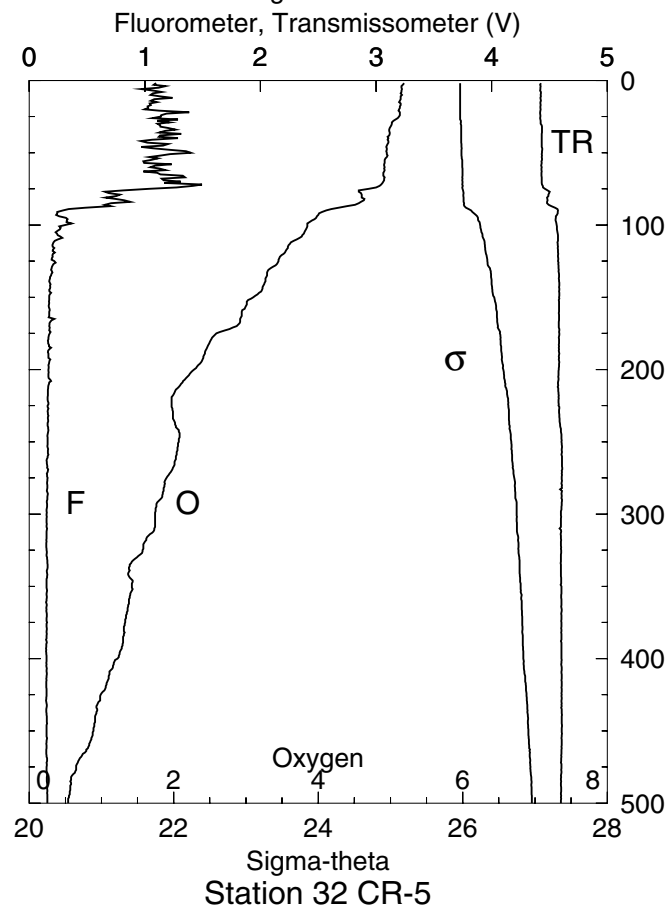
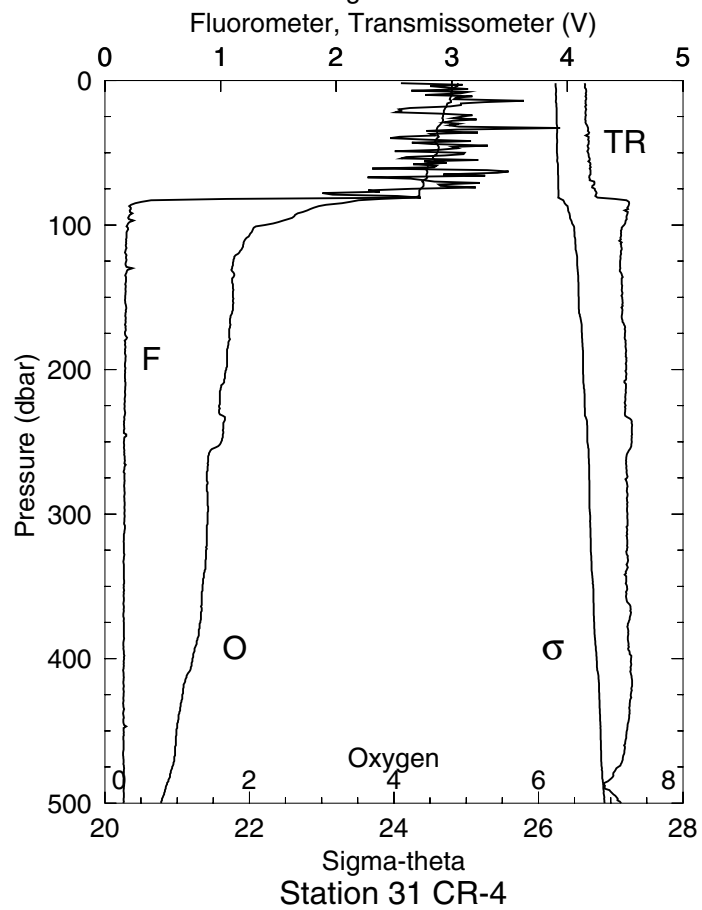
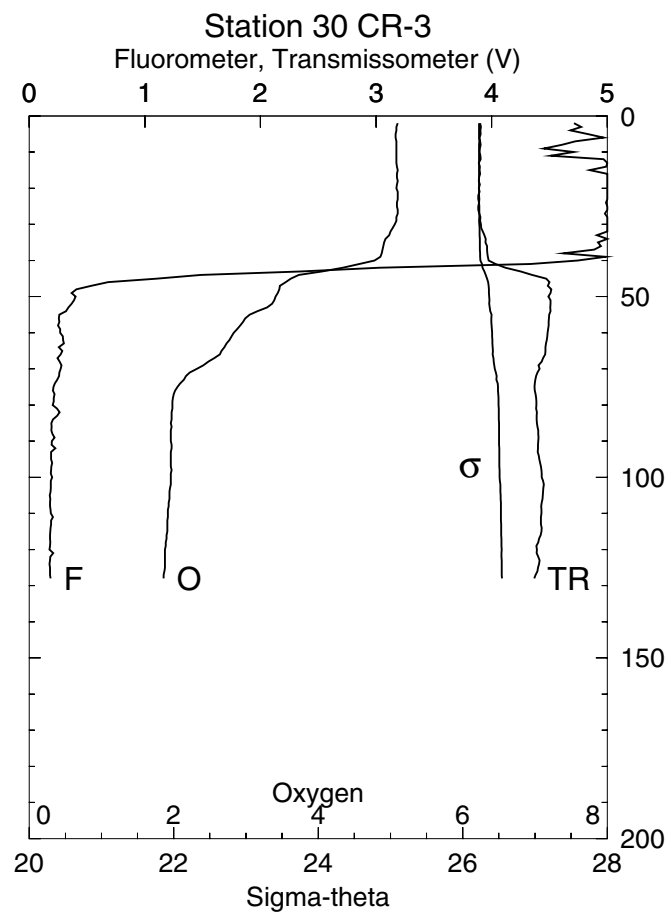
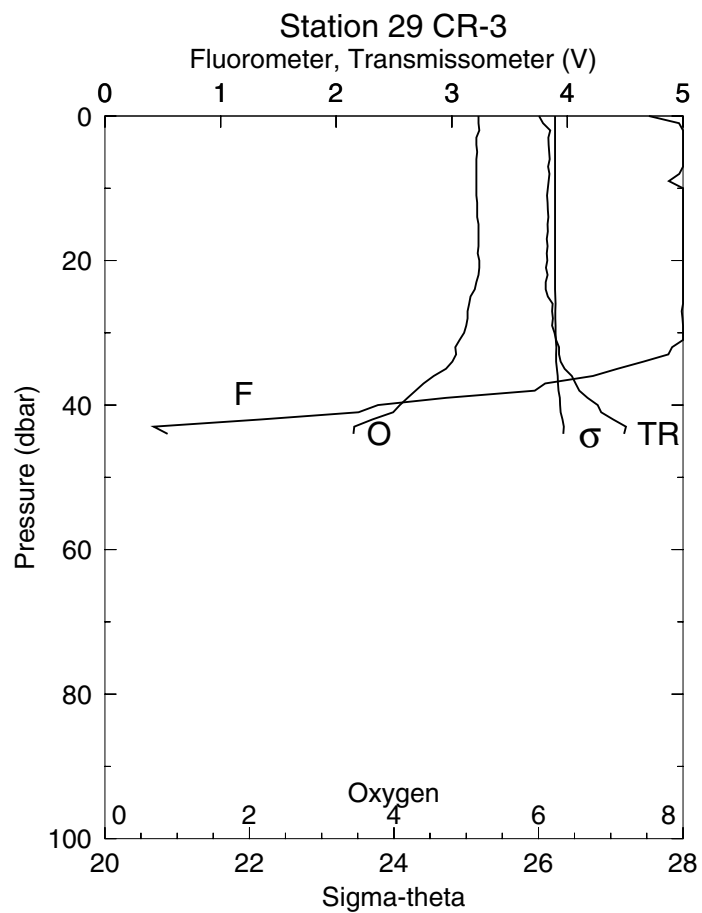


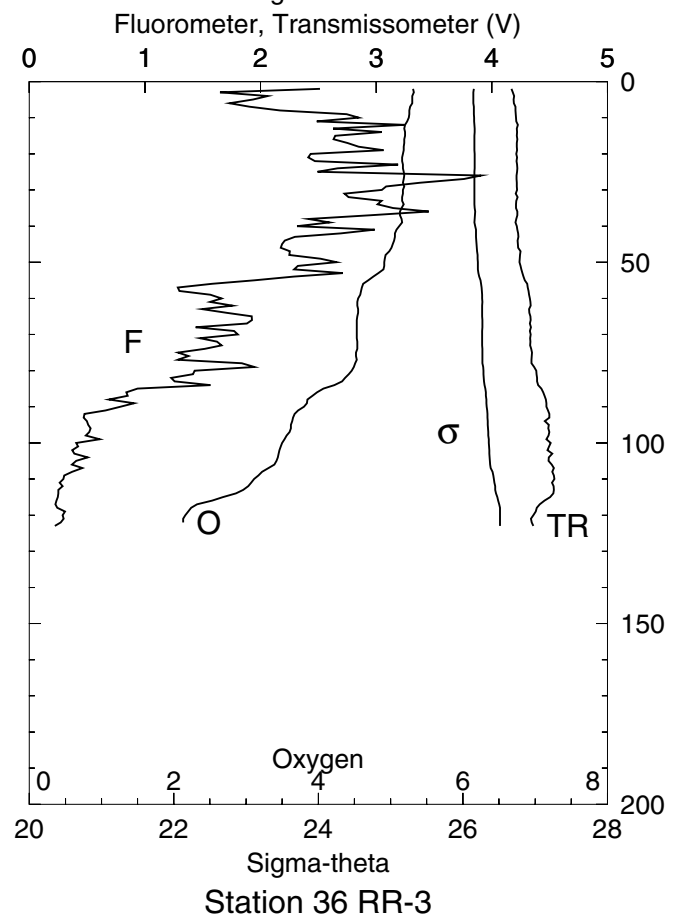
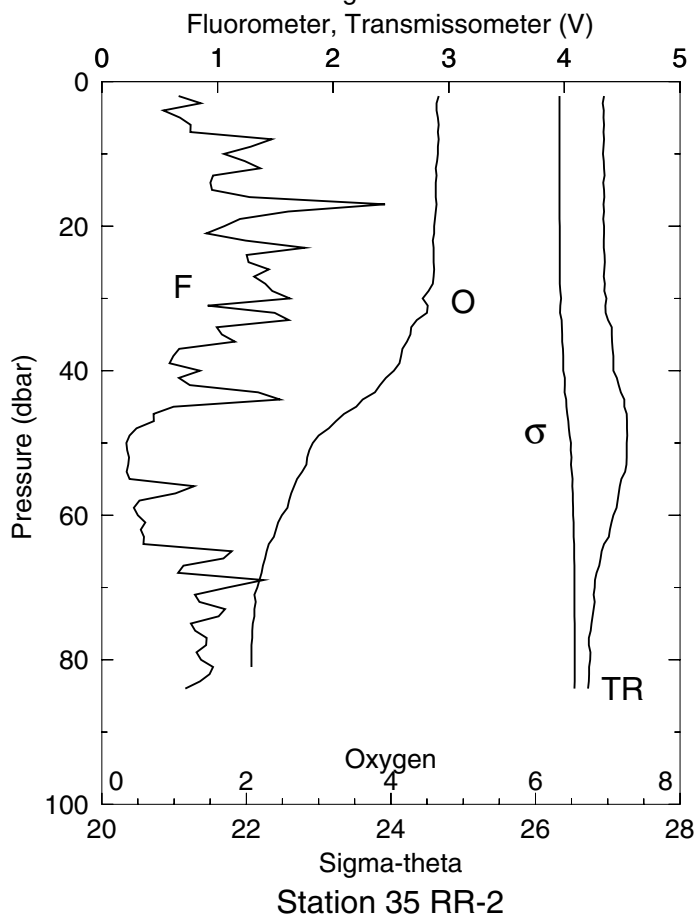
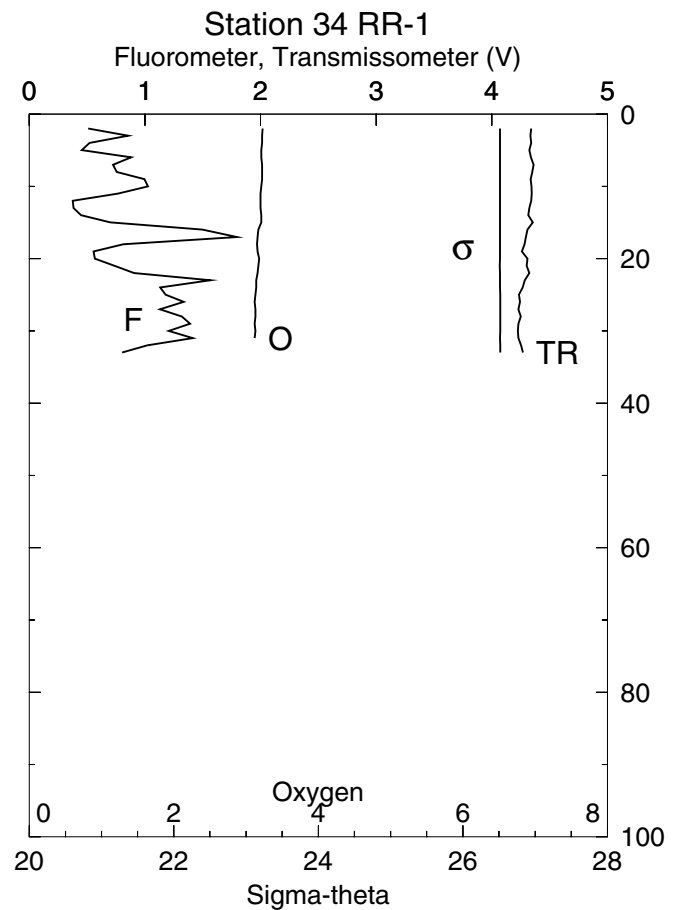
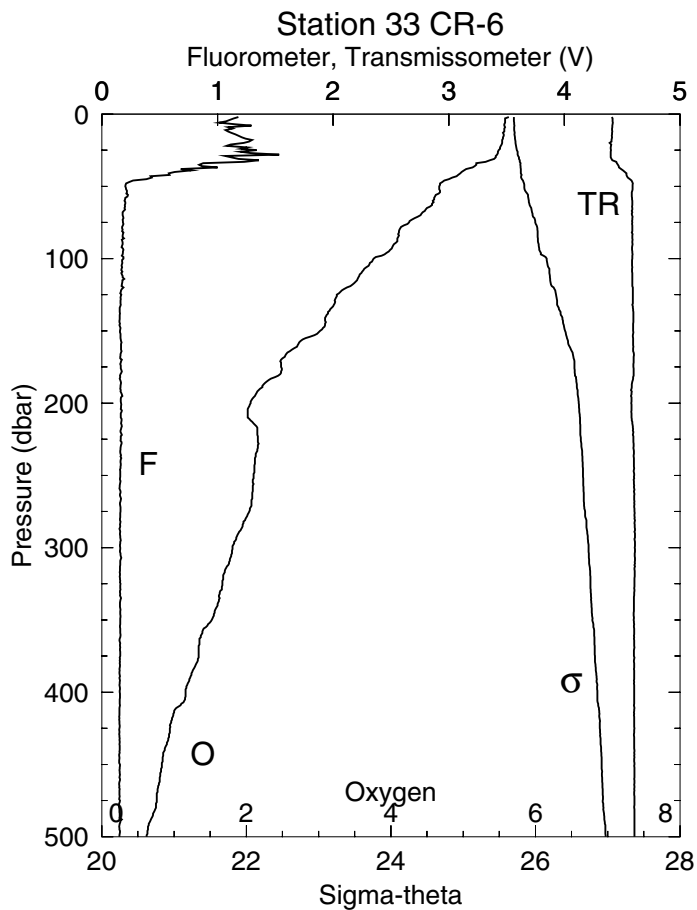






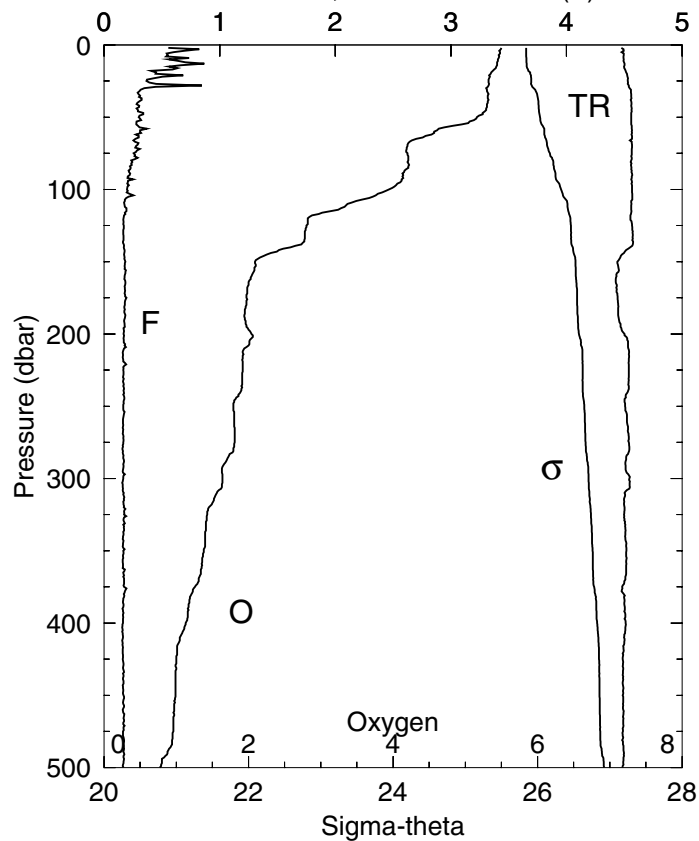






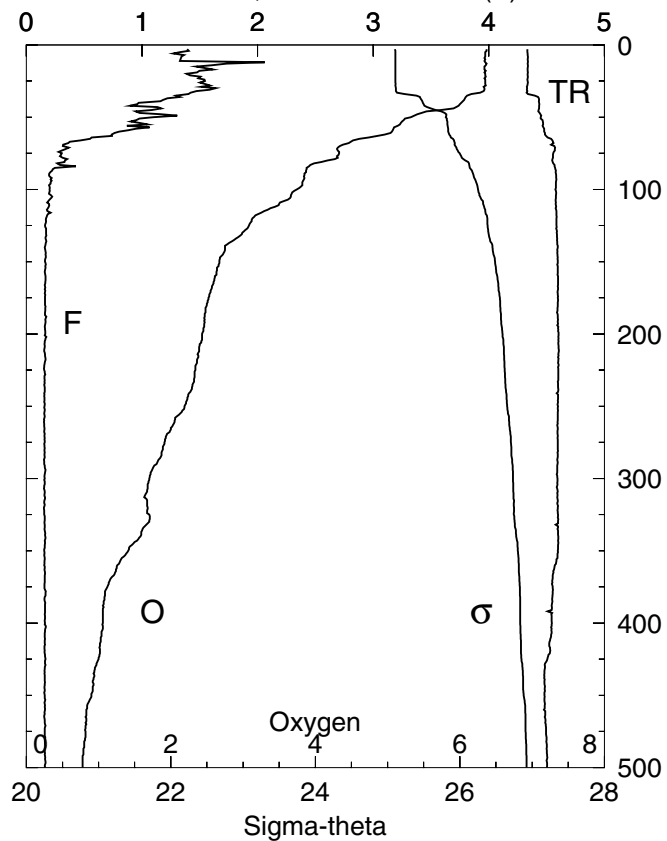
Station 37 RR-4

Fluorometer, Transmissometer (V)

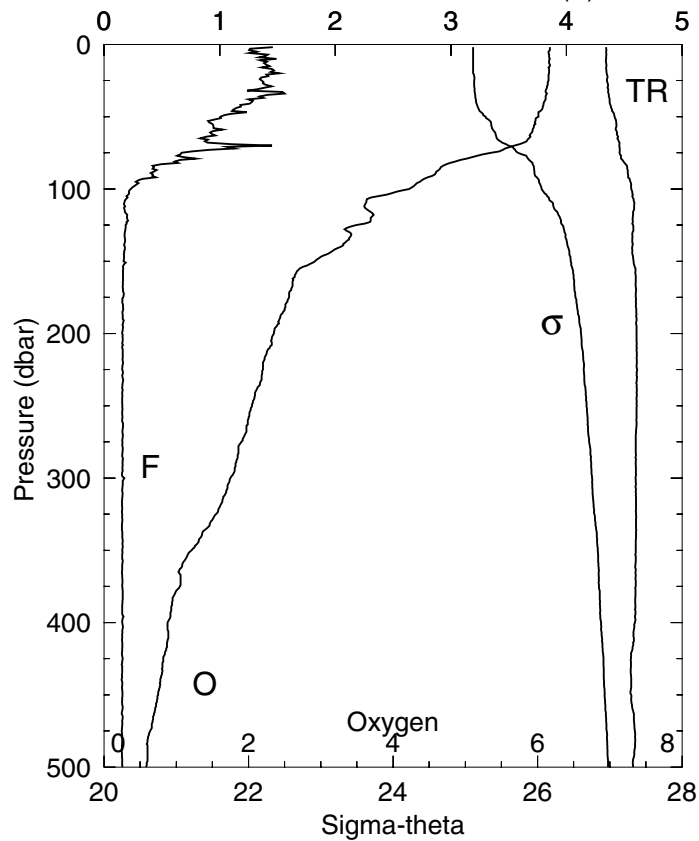


Station 38 RR-5

Fluorometer, Transmissometer (V)

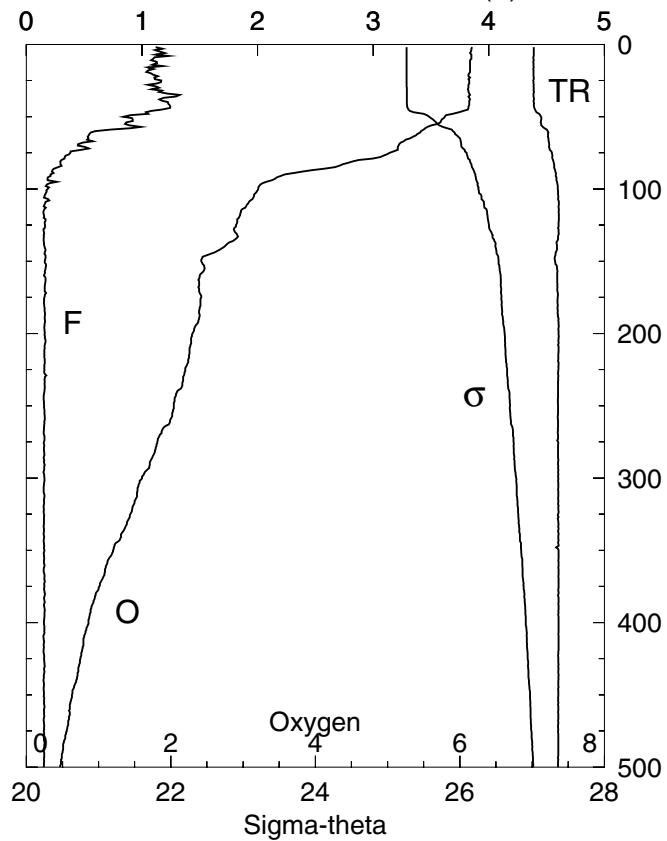


Fluorometer, Transmissometer (V)

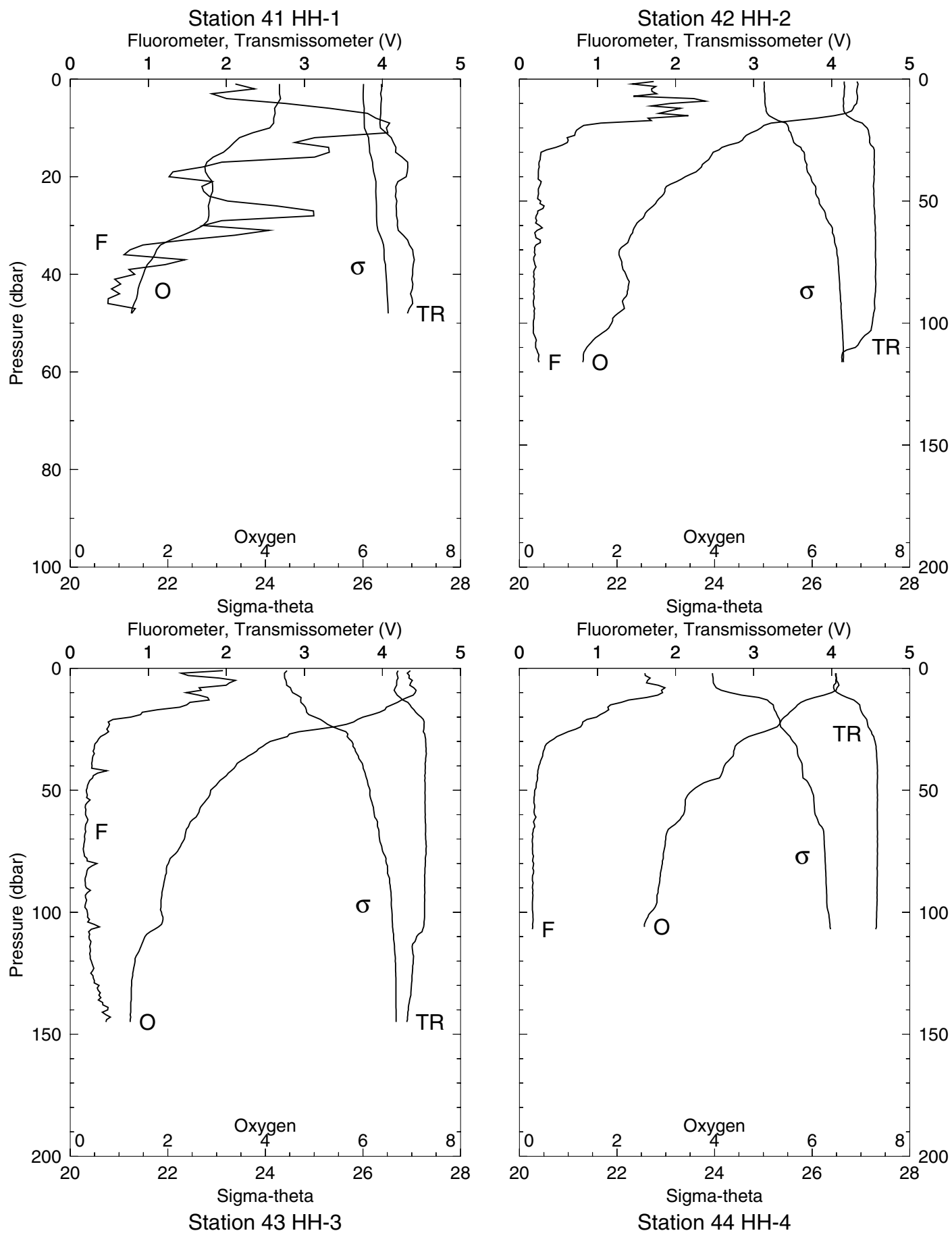


Station 39 RR-6

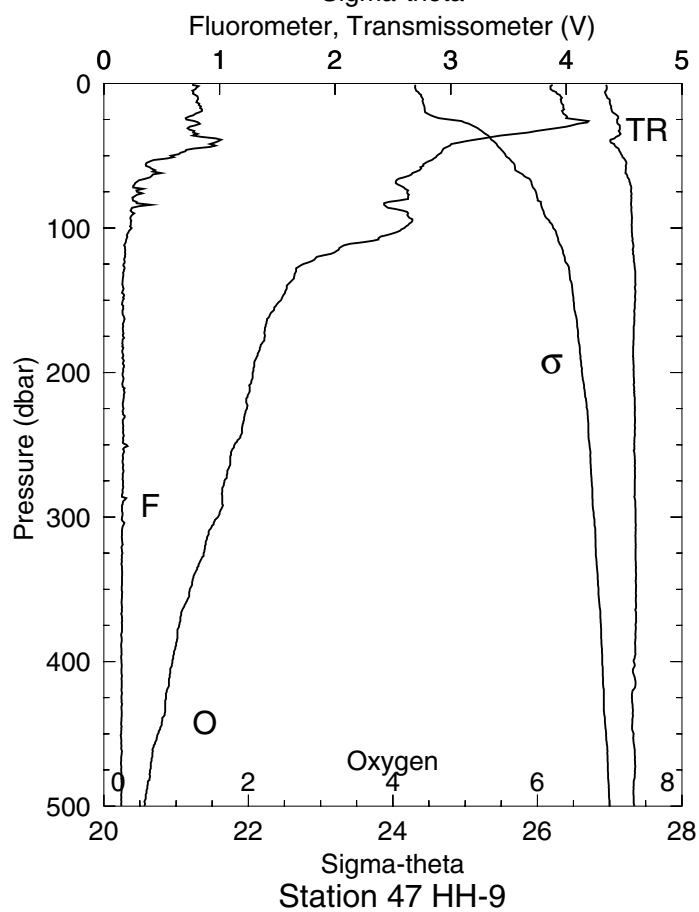
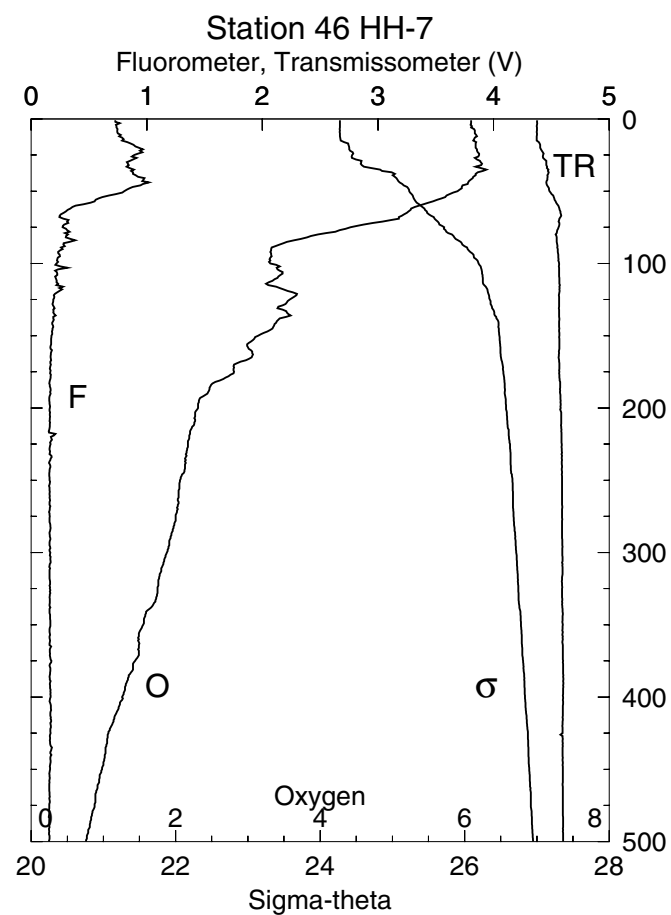
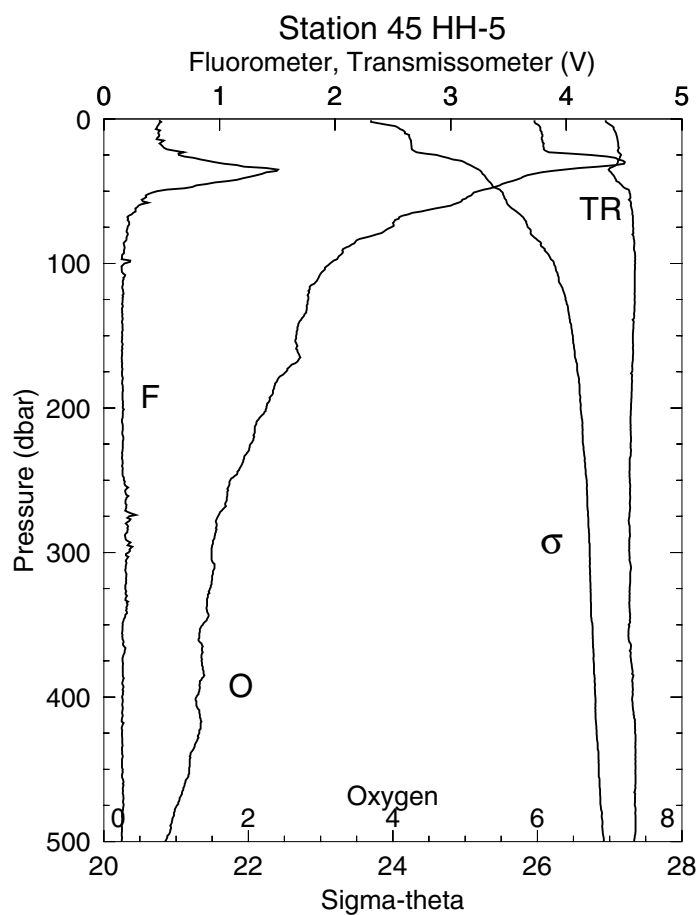
Fluorometer, Transmissometer (V)

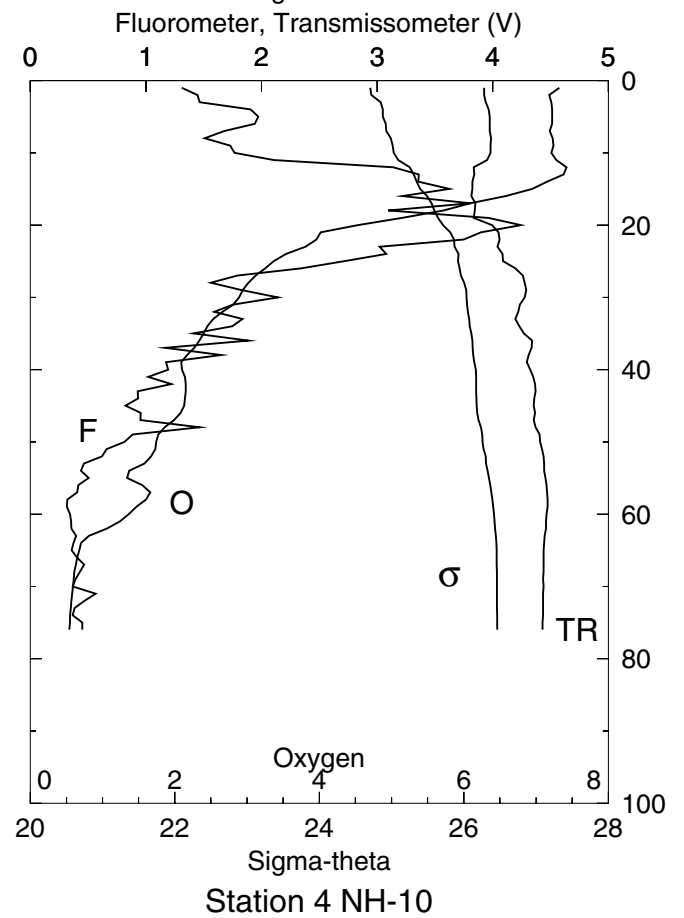
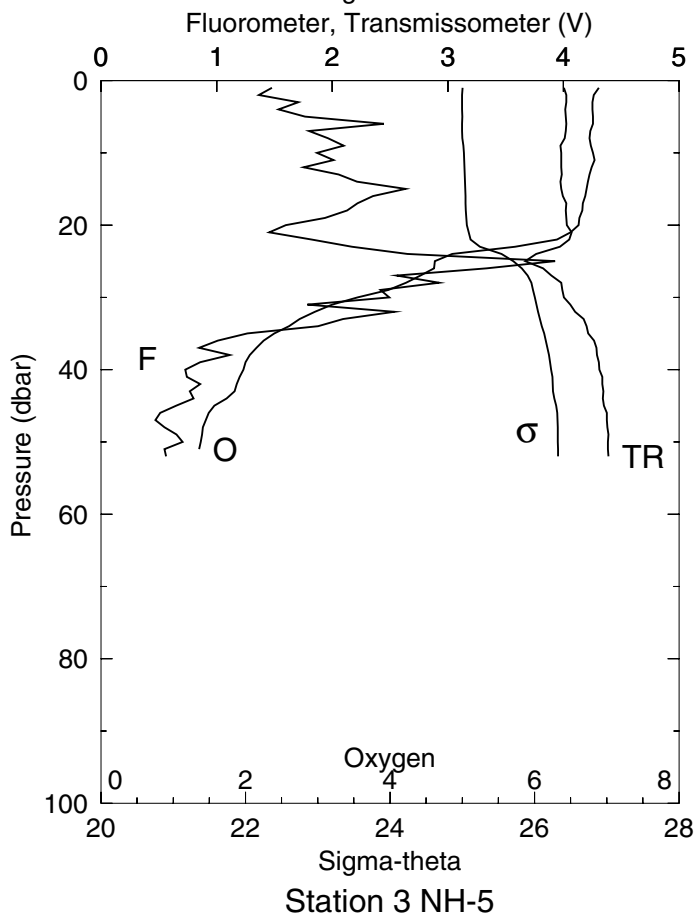
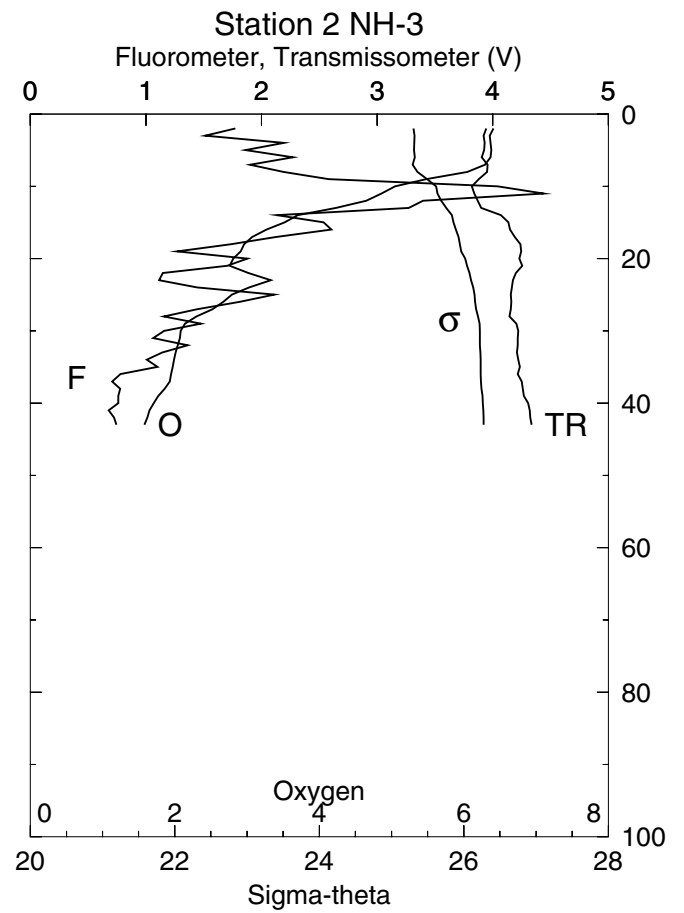
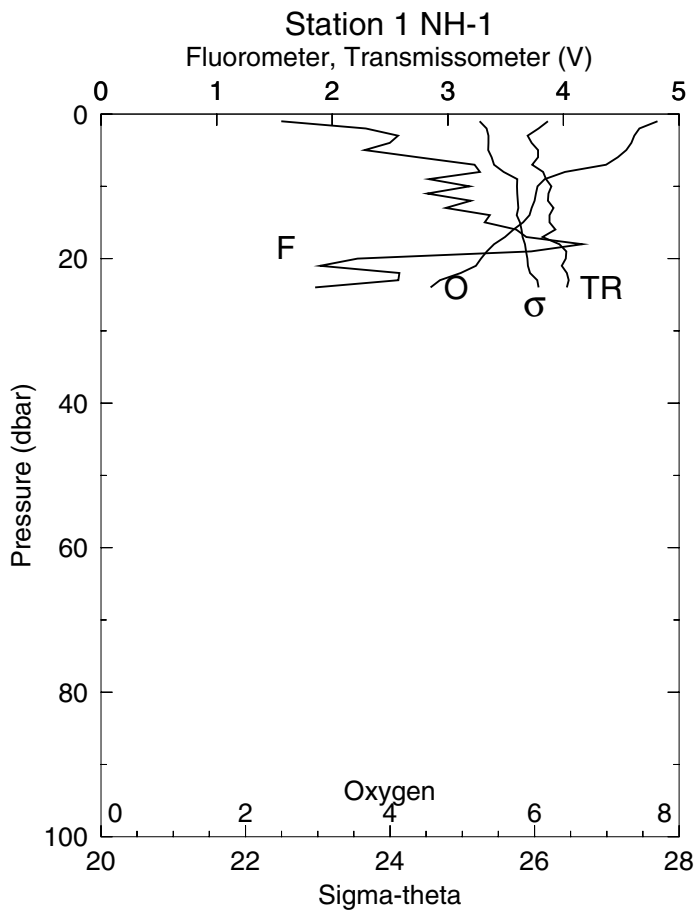


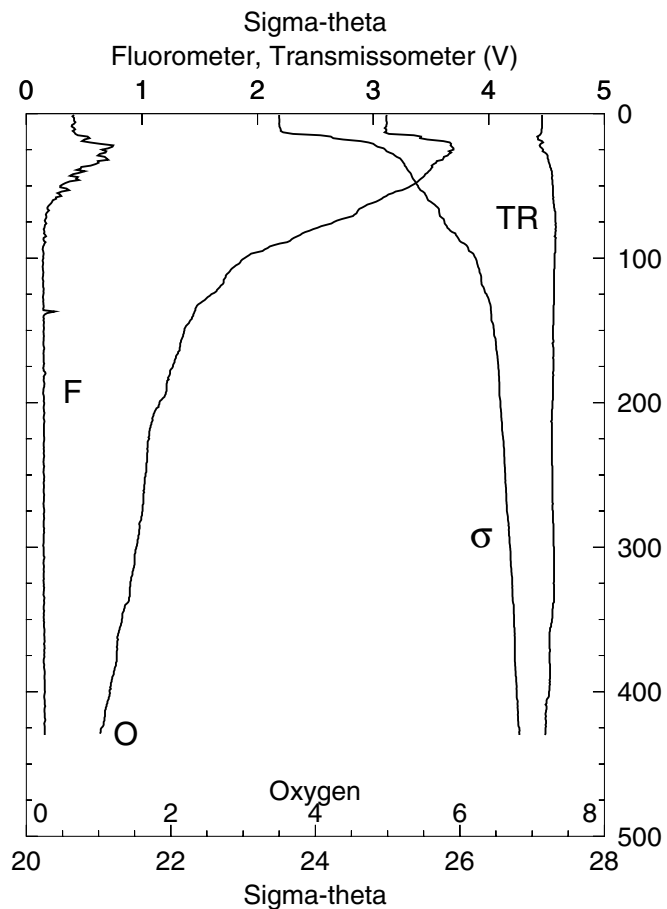
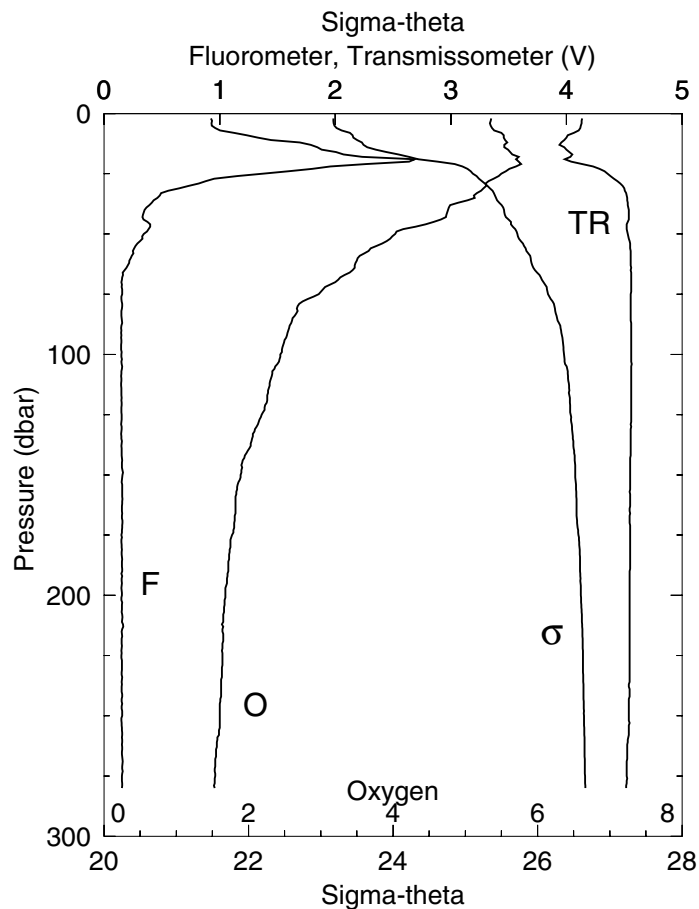
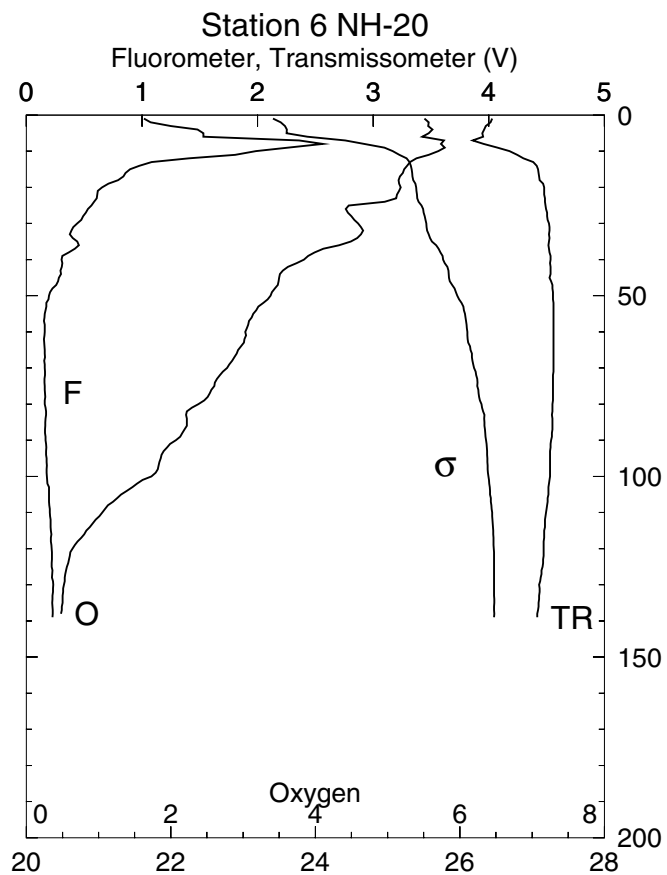
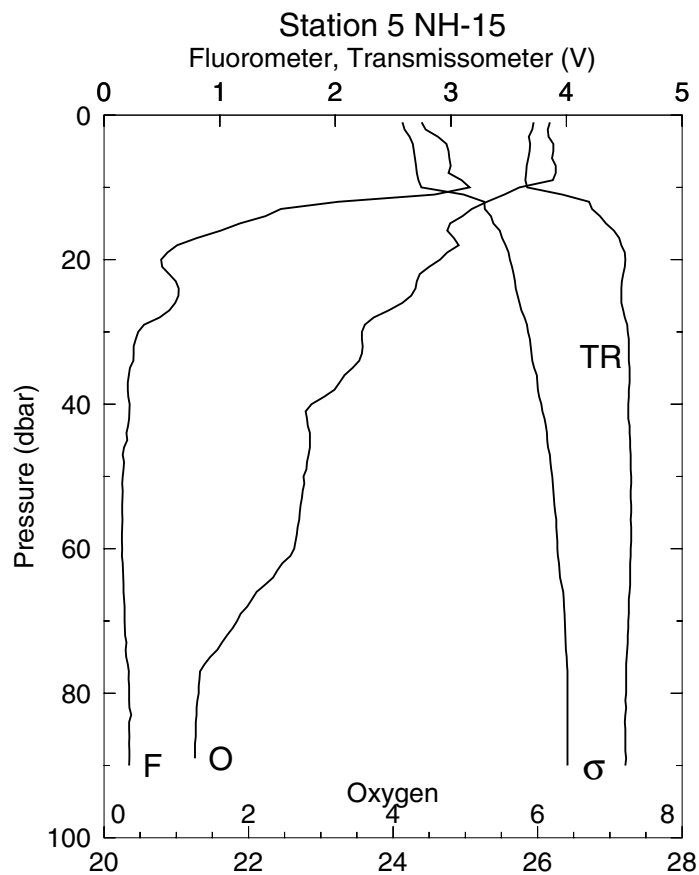
Station 40 RR-7

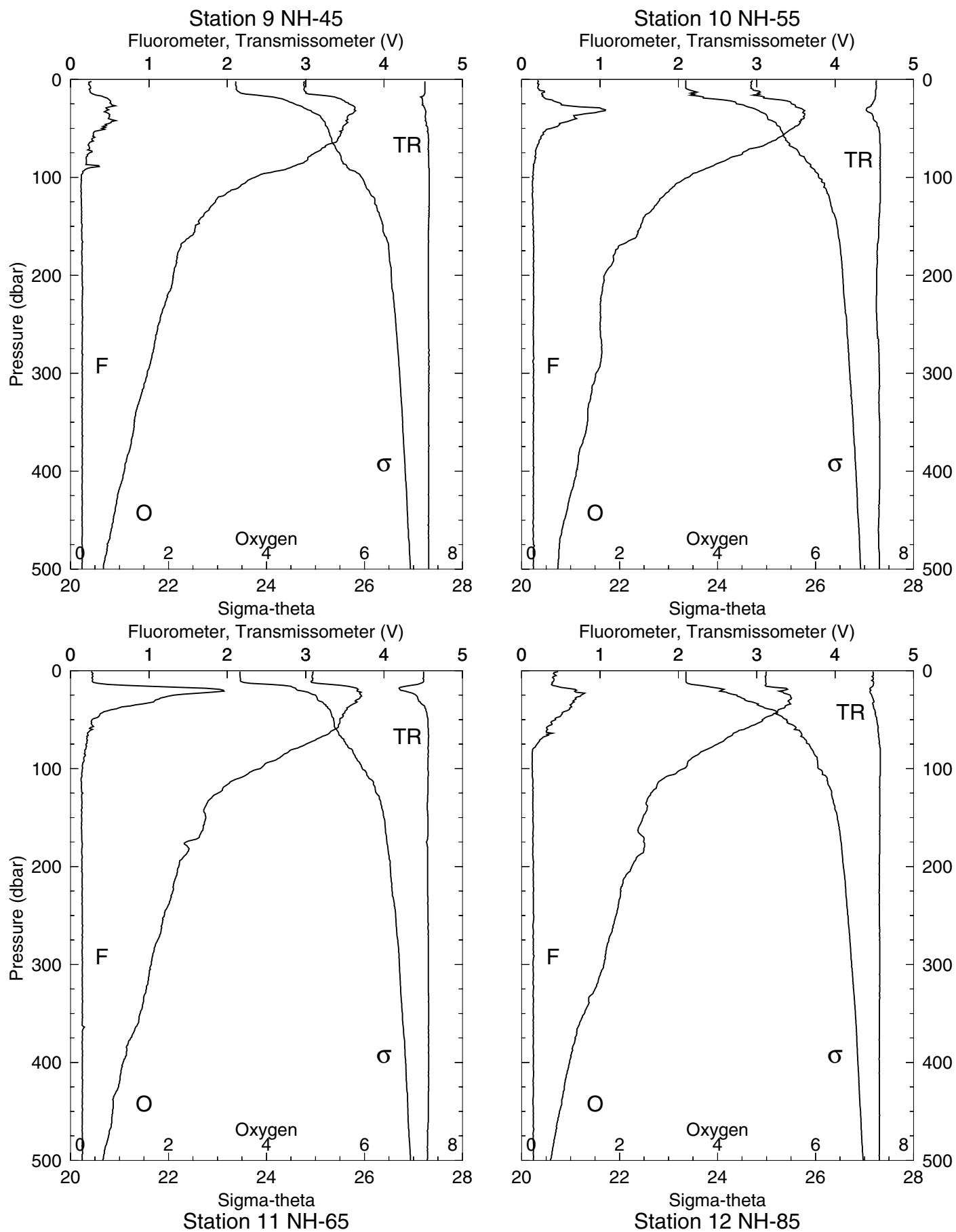


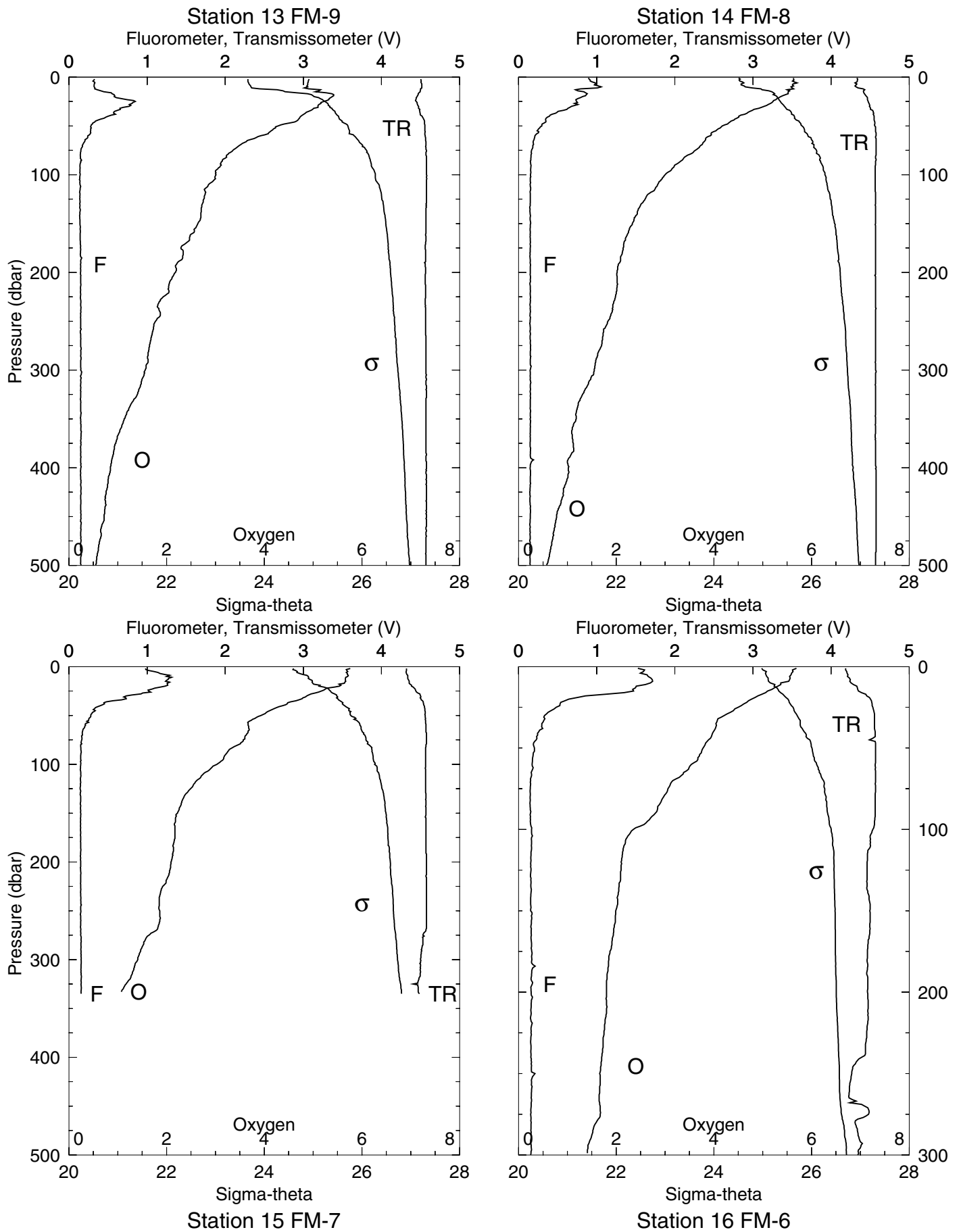


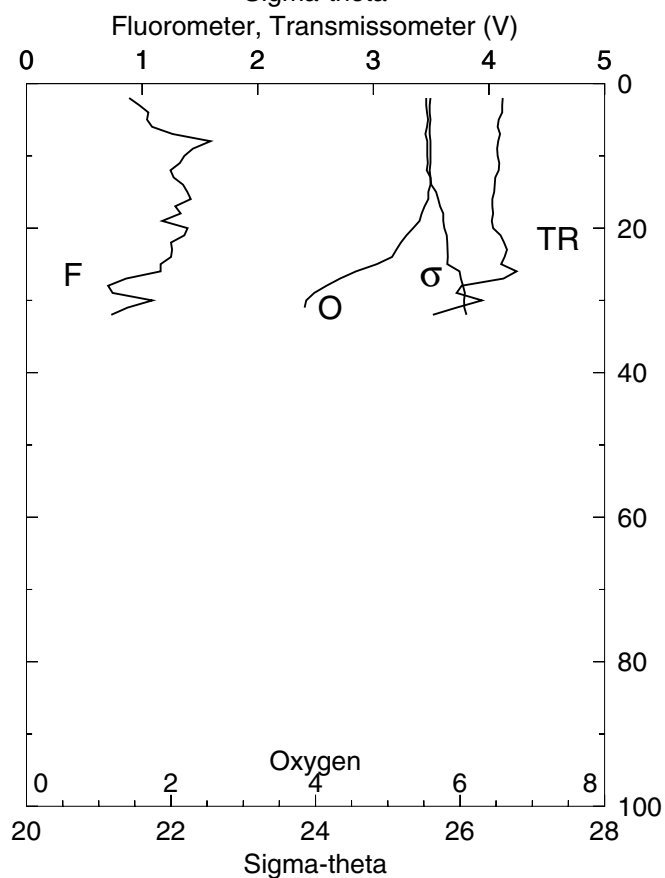
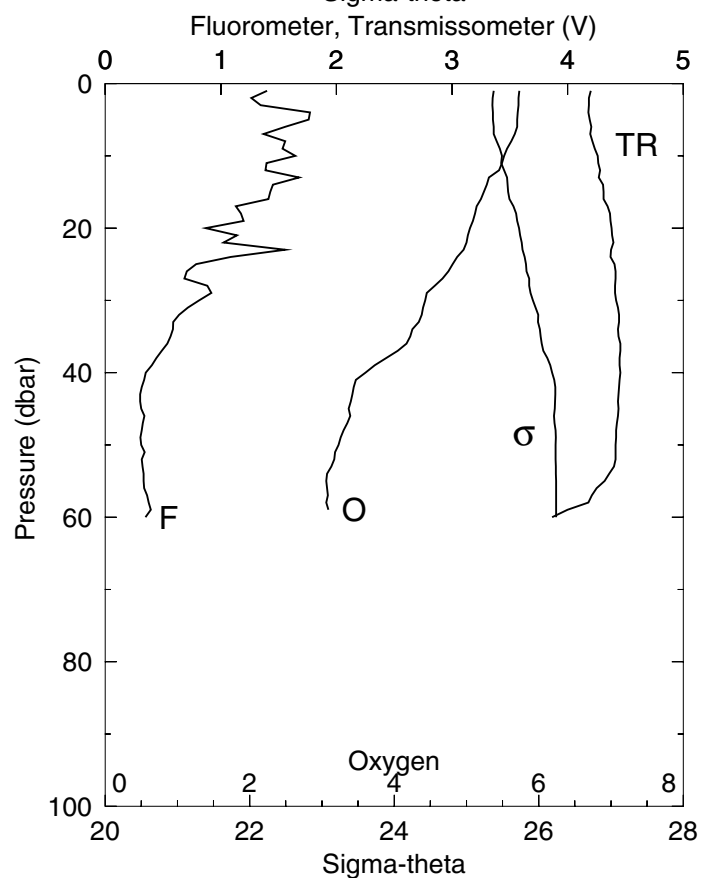
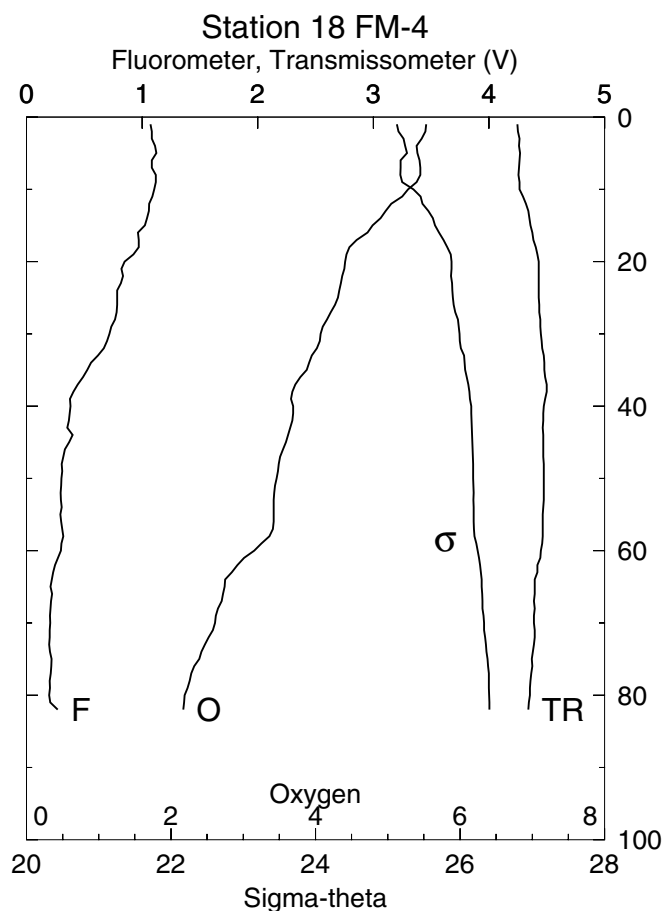
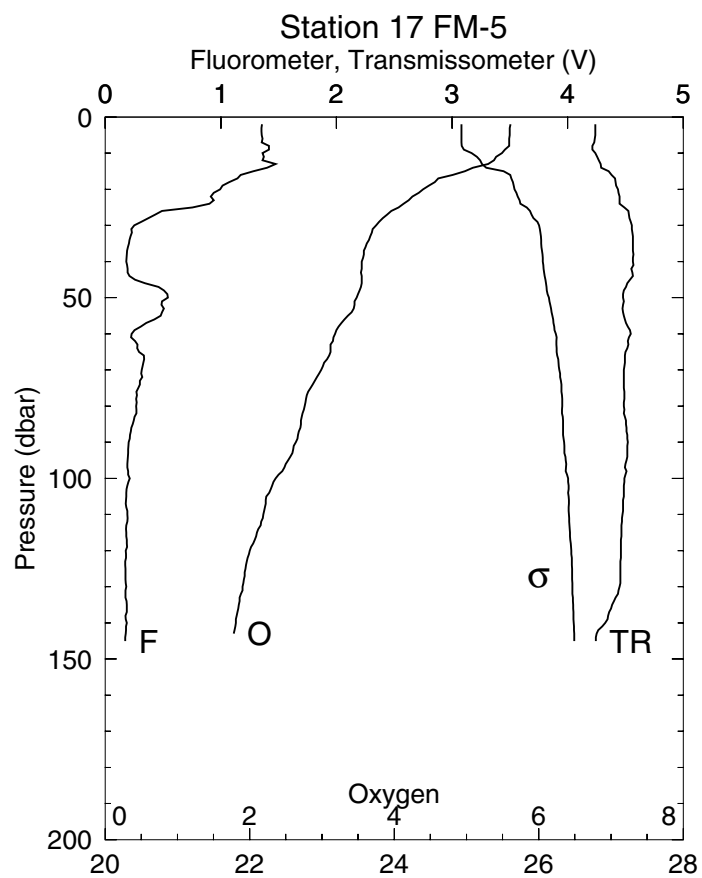


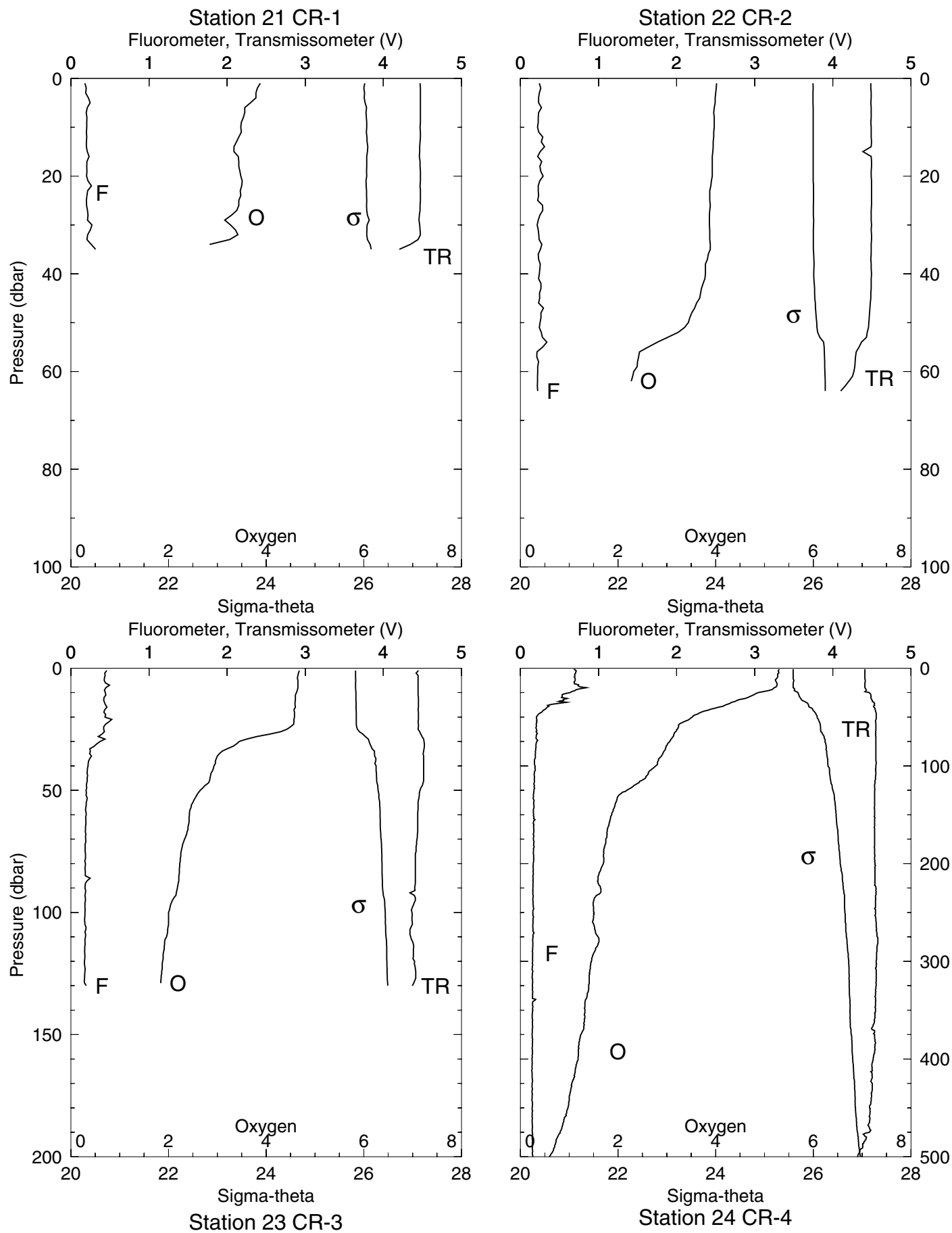


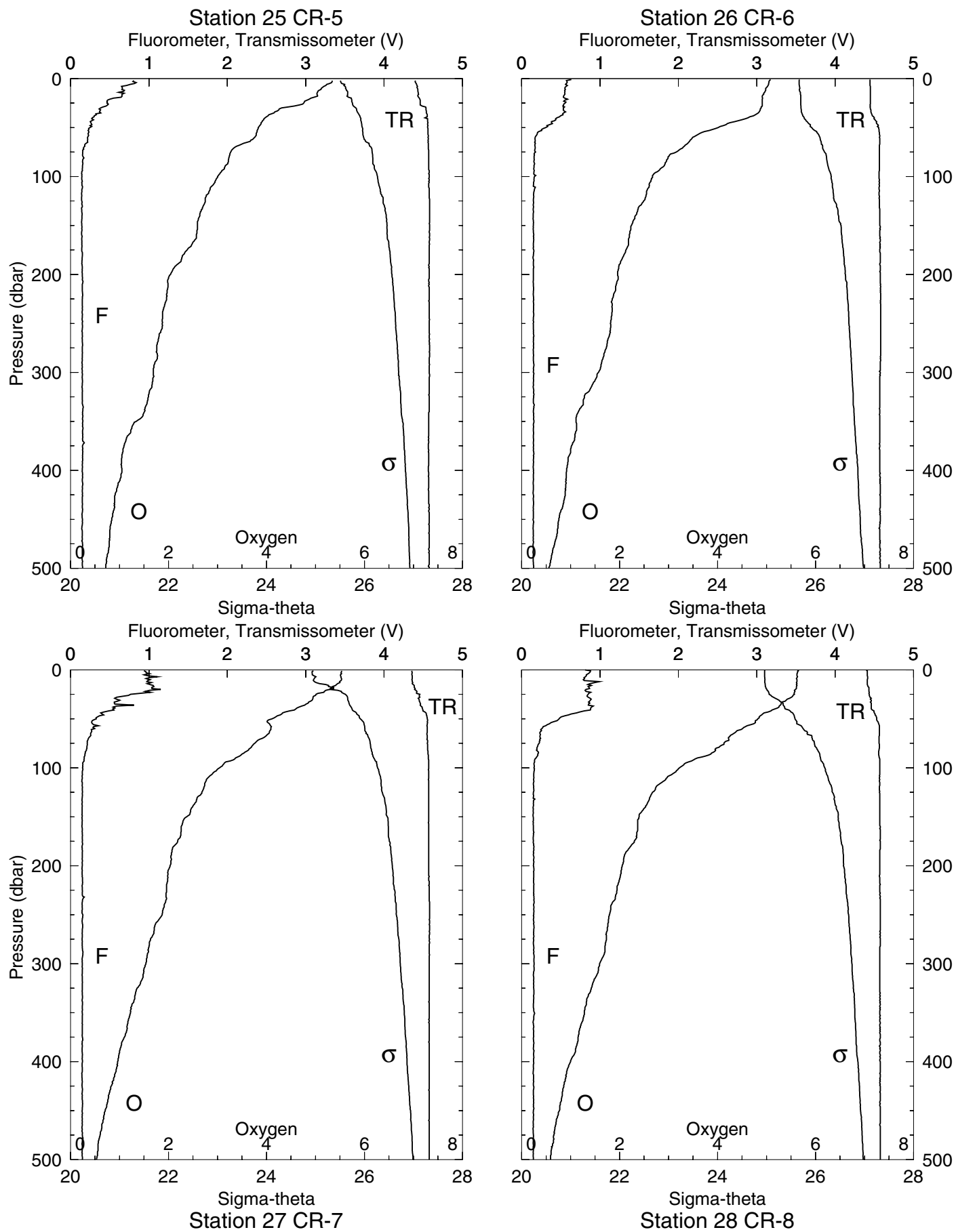




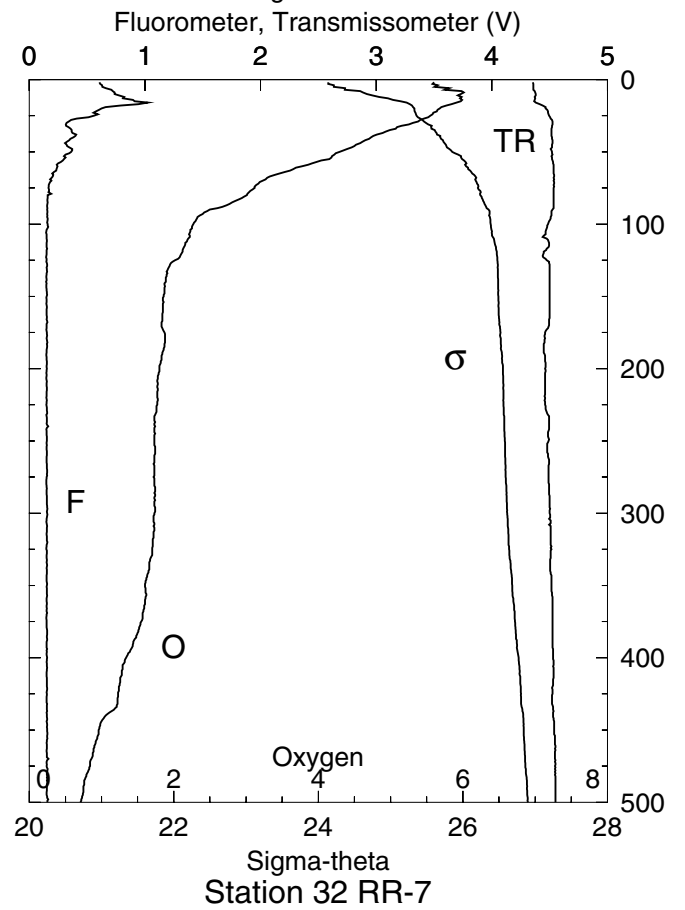
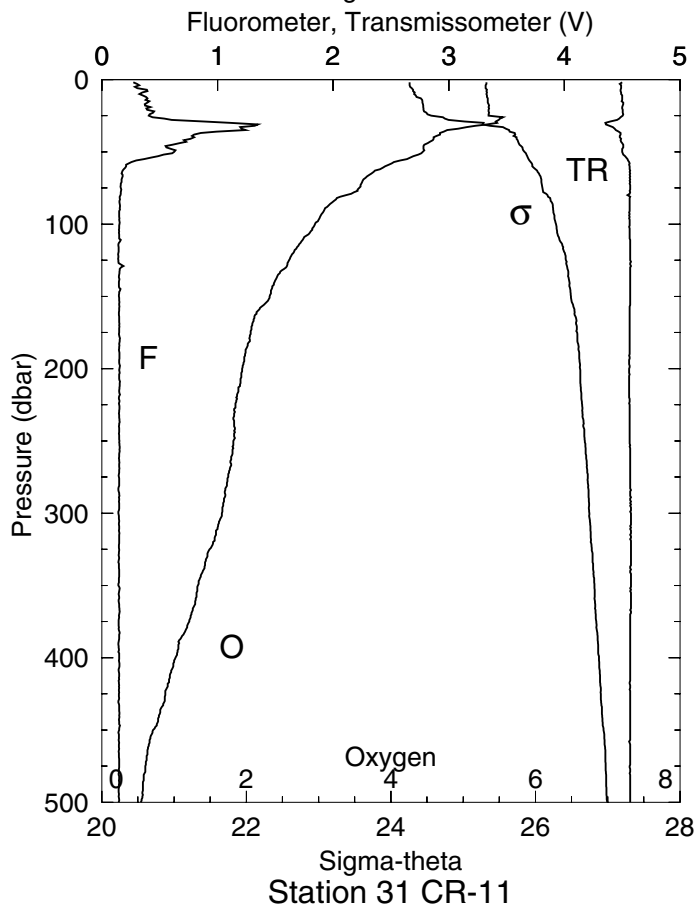
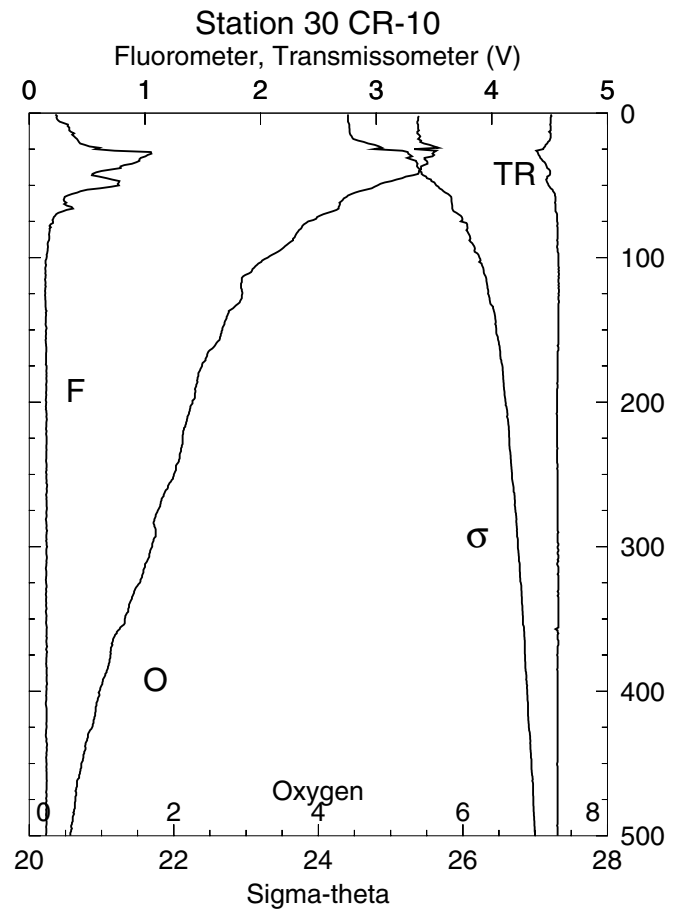
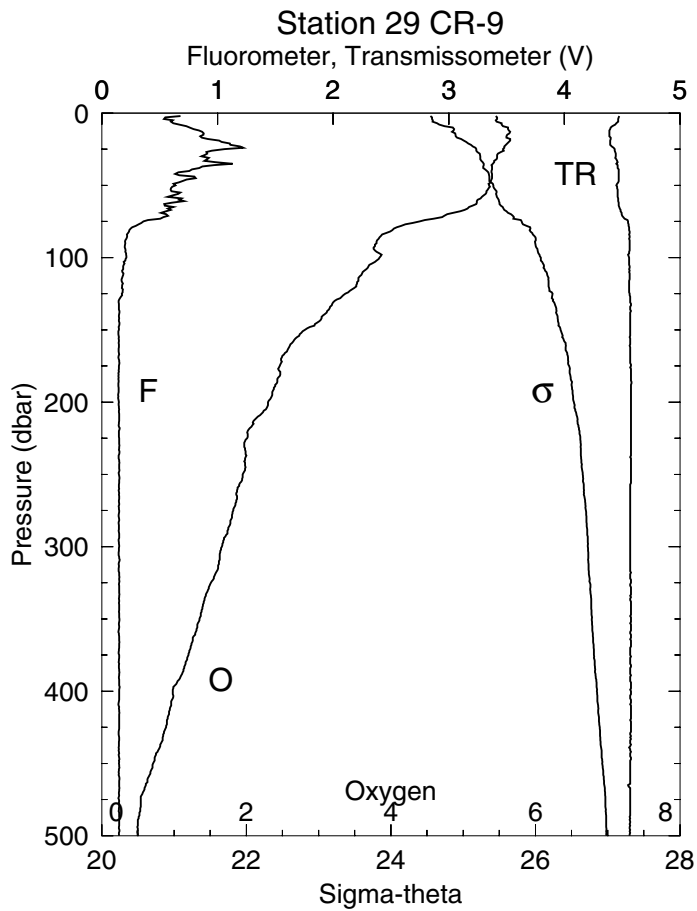


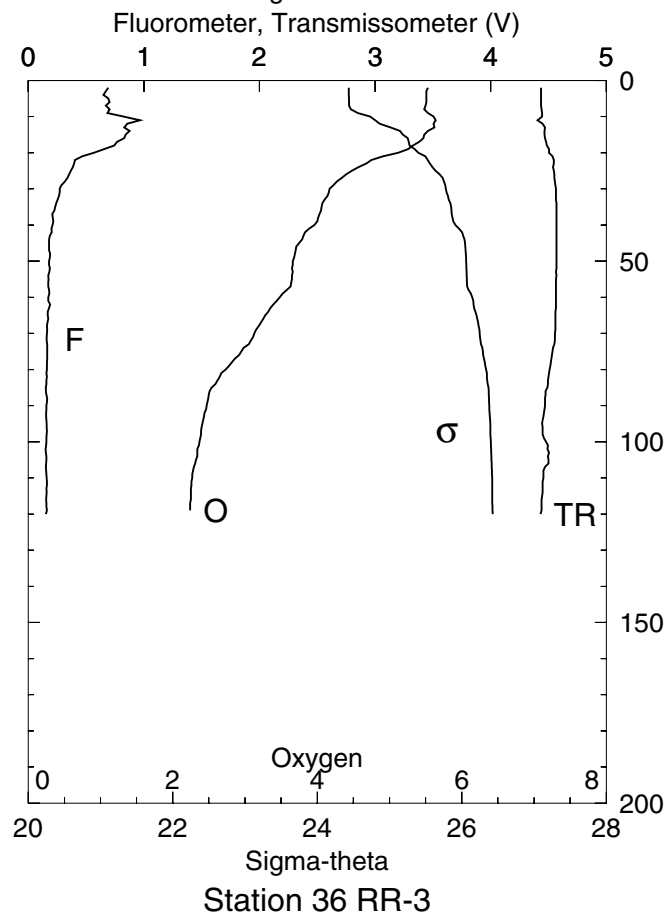
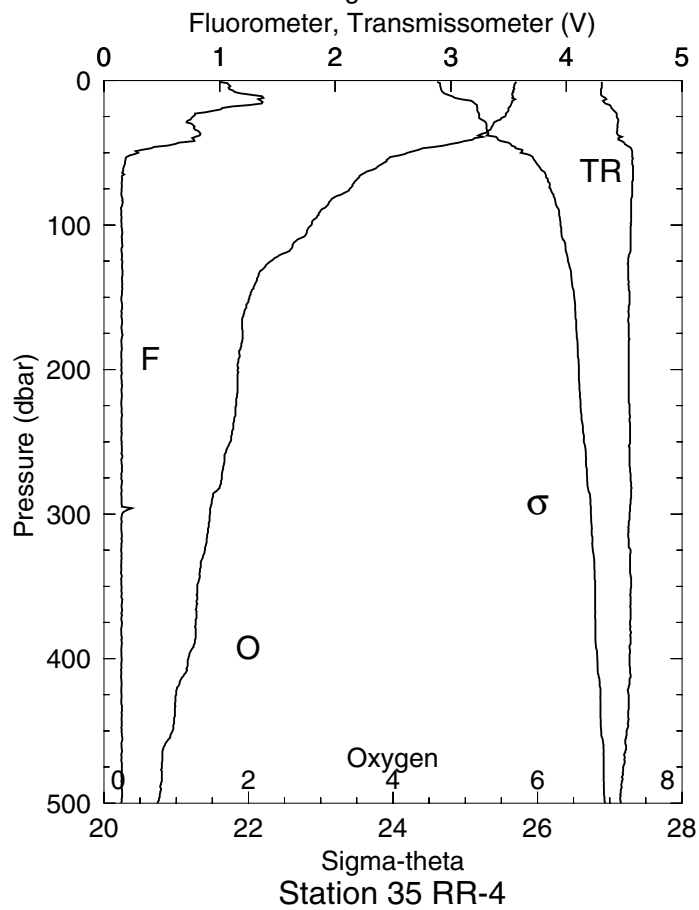
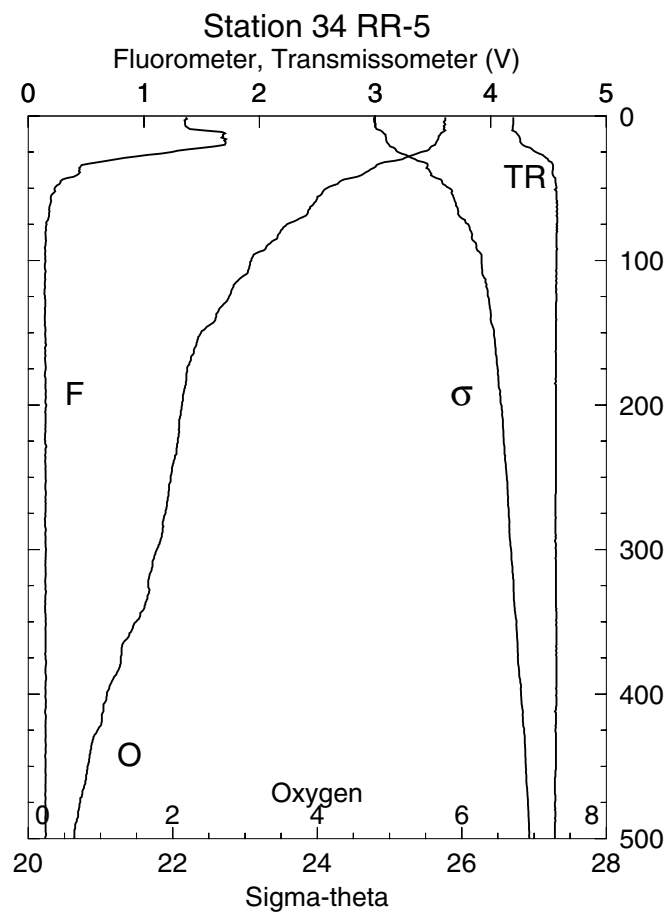
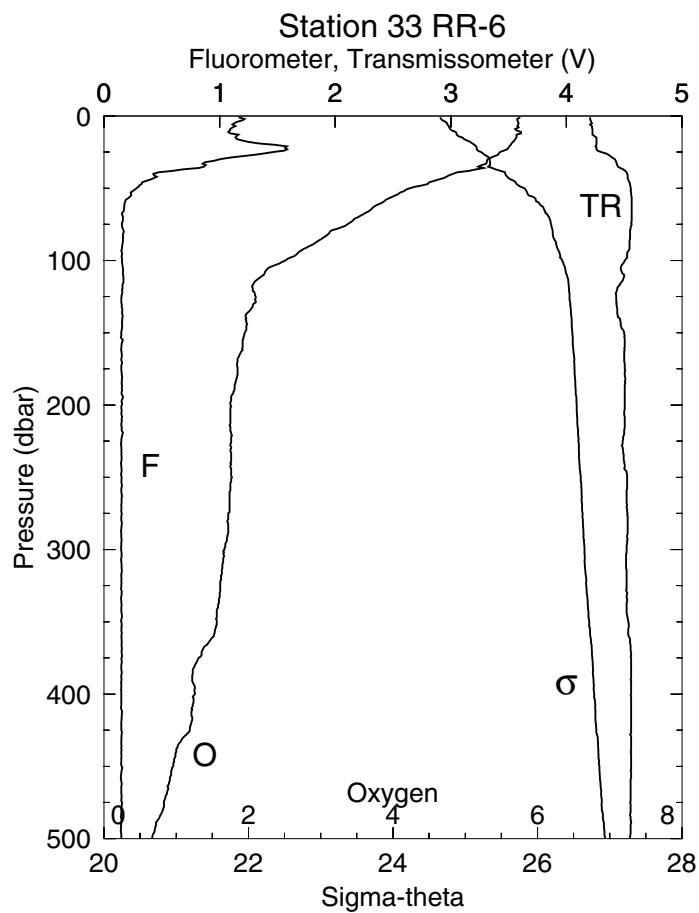


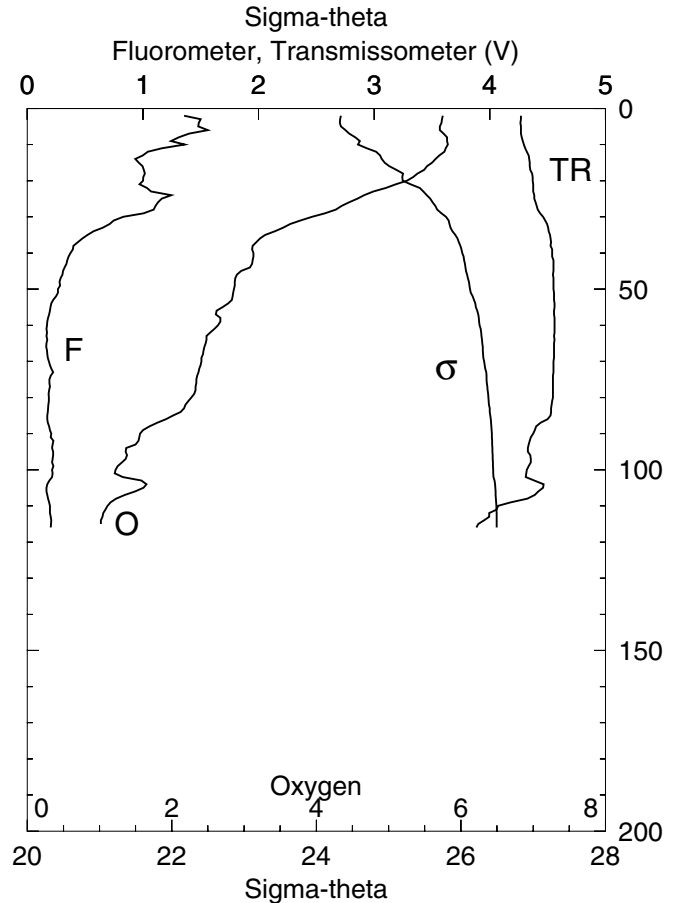
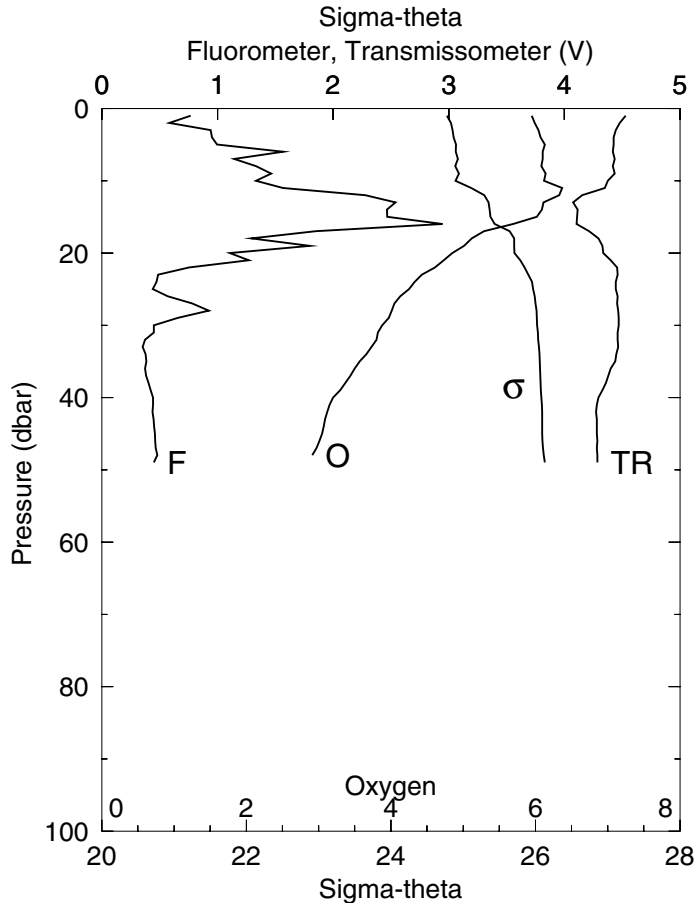
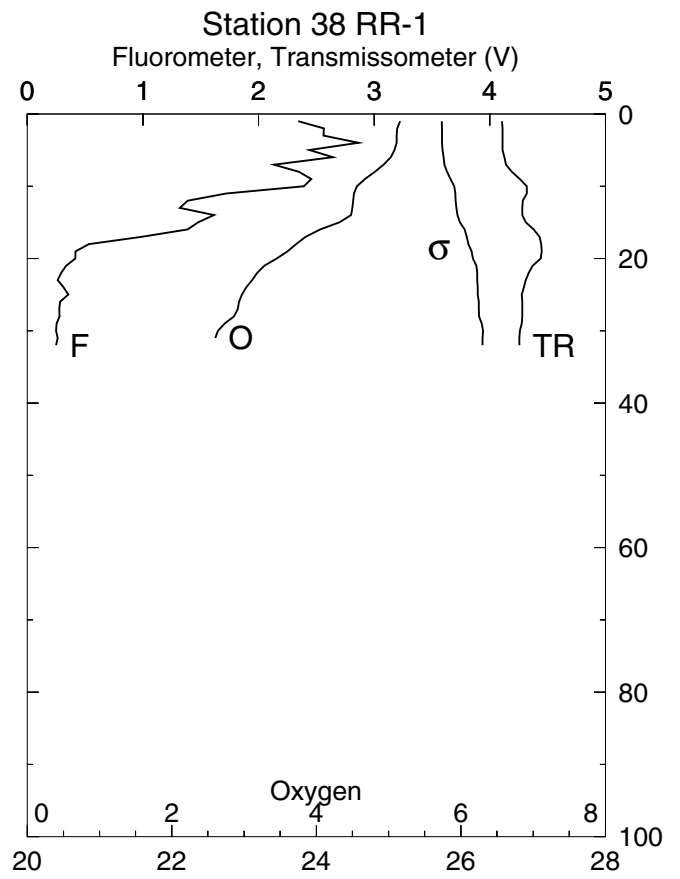
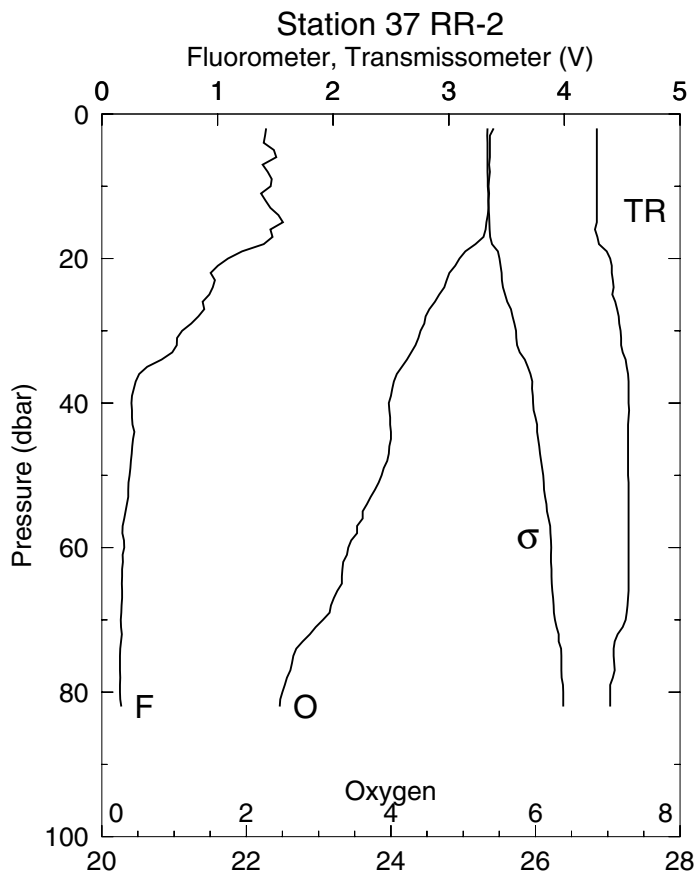


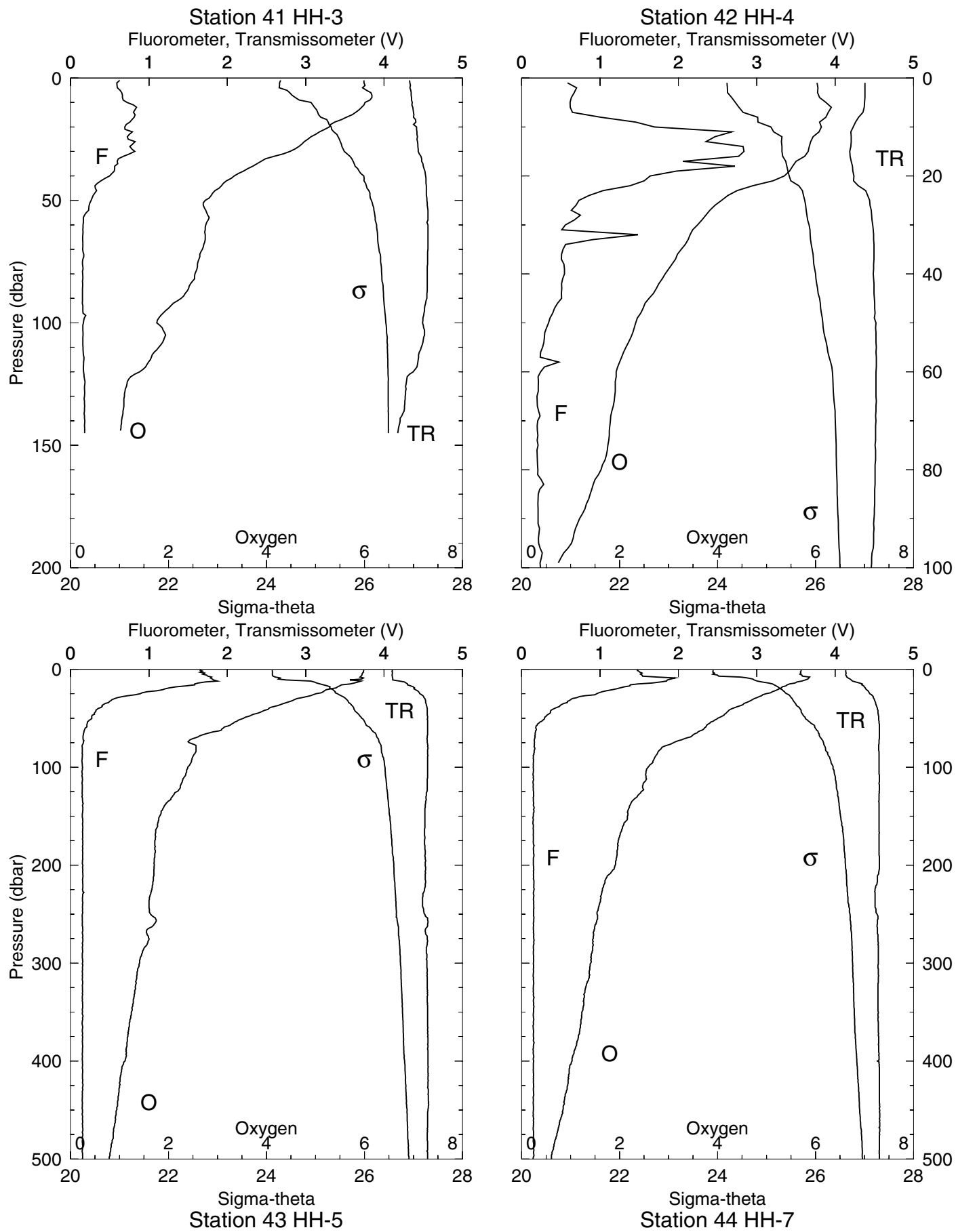


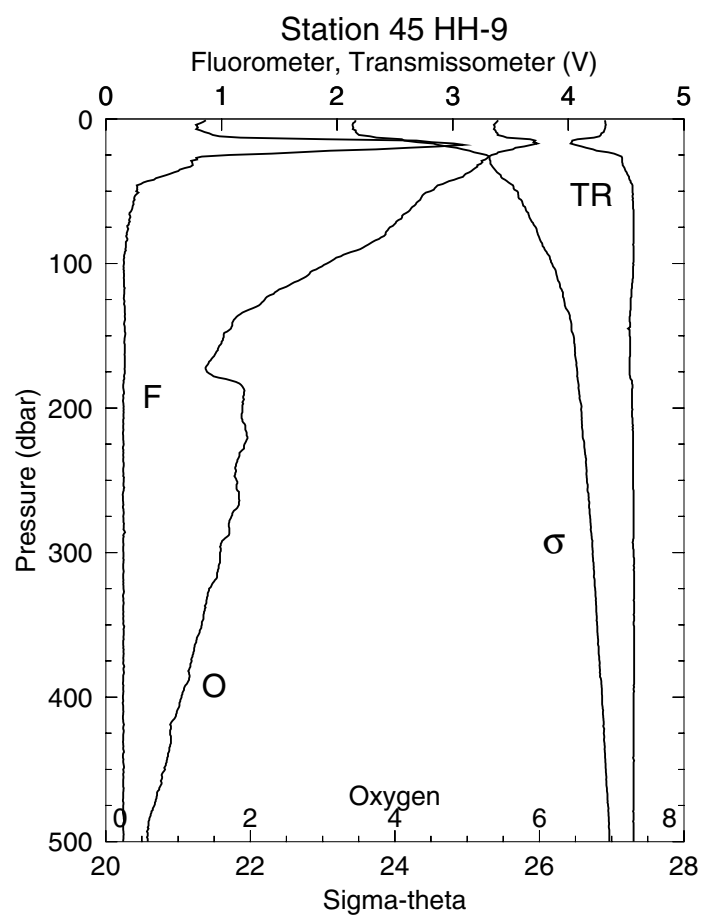














## APPENDIX B. CALIBRATION OF DISSOLVED OXYGEN DATA

Dissolved oxygen concentrations reported throughout this data report were those measured by the Beckman oxygen probe mounted on the SBE 9/11*plus* CTD, and were calculated from the recent SBE calibration data (see Table 14 for calibration dates). To check the calibration of the oxygen probe, oxygen concentration was also determined by standard Winkler titrations of water samples collected at a few stations on each cruise. The sample titration values (collected during ascent) were compared with CTD values at the same depths (measured during descent). Results are summarized in a set of scatter diagrams (one for each of the nine cruises), and in 28 profile plots (one for each station).

There are some systematic differences between Winkler and CTD values, which tend to increase with time since calibration, as might be expected from aging of the sensor. We have therefore calculated simple linear regression equations, one for each cruise, and these are provided in Table B1. We have not applied these equations to our reported values, as our interest is in the vertical and offshore structure. However, we recommend applying these corrections to anyone who is seriously interested in compare absolute values between cruises.

The full set of sample values of the dissolved oxygen concentration measured by Winkler titration is given in Table B2.

Table B1. Results of simple linear regression of Winkler titration values on CTD values of dissolved oxygen concentration, by cruise.

	Number of Samples	Intercept	Slope	Rms deviation from regression line
W9902A	11	0.08	1.077	0.10
W9904B	24	0.16	0.956	0.10
W9907A	47	0.10	1.044	0.18
W9909C	36	0.08	1.011	0.18
W9911A	23	-0.01	0.997	0.20
W0002A	11	0.02	1.009	0.07
W0004B	48	0.01	0.987	0.17
W0007A	44	0.00	1.039	0.23
W0009A	65	0.01	1.087	0.32

Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O <sub>2</sub> -titration (ml/l)	O <sub>2</sub> -probe (ml/l)
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	2	6.32	5.85
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	10	6.38	5.85
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	20	6.45	5.84
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	30	6.53	5.82
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	40	6.35	5.82
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	50	6.32	5.82
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	70	6.24	5.77
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	100	5.06	4.71
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	150	3.12	2.90
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	200	2.55	2.34
W9902A	6	NH-25	18-Feb-99	44°39.2'N	124°38.9'W	285	2.18	1.82
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	2	6.63	6.75
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	10	6.56	6.75
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	20	6.7	6.74
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	30	6.66	6.77
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	40	6.71	6.78
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	50	6.61	6.75
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	70	6.5	6.66
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	100	6.21	6.43
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	150	3.08	3.14
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	465	0.95	0.76
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	830	0.28	0.15
W9904B	11	NH-65	20-Apr-99	44°39.3'N	125°36.2'W	1004	0.45	0.23
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	2	6.60	6.59
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	5	6.47	6.58
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	10	6.37	6.54
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	20	6.30	6.46
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	25	6.21	6.43
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	30	5.88	5.85
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	40	4.99	4.89
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	50	4.09	4.29
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	60	3.80	3.85
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	70	3.17	3.20
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	100	2.57	2.51
W9904B	23	CR-3	22-Apr-99	41°54.0'N	124°30.0'W	110	2.51	2.44
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	1	5.91	5.43
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	10	6.04	5.51
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	20	7.38	6.89
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	30	7.29	6.91
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	34	6.71	6.30
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	41	6.54	6.17
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	50	6.34	6.02
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	70	6.18	5.86
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	100	4.08	3.84
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	151	3.22	3.03
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	885	0.23	0.13



Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O <sub>2</sub> -titration (ml/l)	O <sub>2</sub> -probe (ml/l)
W9907A	12	NH-85	4-Jul-99	44°39.1'N	126°03.1'W	1005	0.32	0.23
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	2	6.22	5.70
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	10	6.62	6.24
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	17	6.99	6.59
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	20	6.77	6.28
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	29	7.36	6.89
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	40	6.39	6.07
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	50	5.33	6.03
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	70	6.17	5.82
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	100	3.75	3.43
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	150	2.68	2.50
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	850	0.27	0.16
W9907A	20	FM-9	5-Jul-99	43°13.0'N	125°10.0'W	1004	0.29	0.18
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	2	7.14	6.66
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	10	7.12	6.65
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	20	6.38	6.01
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	31	6.10	5.80
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	40	5.49	5.16
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	51	4.79	4.53
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	70	4.73	4.48
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	85	4.66	4.20
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	101	4.55	4.22
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	150	2.70	2.53
W9907A	36	EUR-7	6-Jul-99	40°51.9'N	124°56.0'W	714	0.27	0.17
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	1	6.07	5.57
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	10	6.33	5.87
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	20	7.10	6.71
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	30	6.82	6.41
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	35	6.49	6.17
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	40	6.33	6.02
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	50	6.29	5.99
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	70	5.71	5.35
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	100	2.36	2.13
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	150	2.04	1.90
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	555	0.54	0.43
W9907A	45	HH-9	8-Jul-99	44°00.0'N	125°24.0'W	1005	0.30	0.20
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	1	6.28	6.12
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	10	6.43	6.22
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	16	6.14	5.90
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	20	6.08	5.84
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	30	5.85	5.60
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	40	5.24	5.06
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	50	4.77	4.29
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	70	3.91	3.52
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	101	3.00	2.63

Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O <sub>2</sub> -titration (ml/l)	O <sub>2</sub> -probe (ml/l)
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	149	2.35	2.43
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	524	0.54	0.49
W9909C	12	NH-85	23-Sep-99	44°39.1'N	126°03.1'W	1006	0.29	0.20
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	1	6.24	5.93
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	8	6.50	5.97
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	14	6.63	6.46
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	18	6.44	6.31
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	28	6.36	6.34
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	38	6.18	6.15
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	49	6.25	6.15
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	68	5.93	6.02
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	98	3.66	4.04
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	148	2.60	2.73
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	854	0.30	0.17
W9909C	13	FM-9	24-Sep-99	43°13.0'N	125°10.0'W	1003	0.32	0.22
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	1	6.17	6.00
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	2	6.17	6.01
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	8	6.16	5.99
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	19	6.16	6.00
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	28	5.92	5.86
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	38	5.30	5.38
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	48	4.75	4.75
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	69	4.29	3.96
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	98	3.25	3.27
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	149	2.61	2.55
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	839	0.26	0.13
W9909C	29	CR-9	25-Sep-99	41°54.0'N	125°19.9'W	1001	0.31	0.20
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	2	6.31	6.28
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	20	6.26	6.28
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	30	5.56	5.96
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	40	5.17	5.39
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	50	4.79	5.07
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	70	3.34	3.6
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	100	2.74	2.81
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	116	2.57	2.58
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	149	2.43	2.44
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	200	2.46	2.47
W9911A	6	NH-25	3-Nov-99	44°39.1'N	124°39.0'W	276	2.22	2.23
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	2	6.02	5.88
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	10	5.99	5.88
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	20	6.02	5.84
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	30	6.01	5.85
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	40	6.16	5.85
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	50	6.40	6.2
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	70	6.34	6.39

Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O <sub>2</sub> -titration (ml/l)	O <sub>2</sub> -probe (ml/l)
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	100	4.88	5.34
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	150	2.34	2.46
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	735	0.24	0.19
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	861	0.23	0.14
W9911A	8	NH-55	3-Nov-99	44°39.1'N	125°35.9'W	1005	0.30	0.22
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	3	6.36	6.28
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	10	6.33	6.29
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	22	6.36	6.25
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	30	6.38	6.26
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	42	6.37	6.25
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	45	6.36	6.25
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	50	6.36	6.22
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	69	5.92	5.90
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	100	3.4	3.50
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	152	2.67	2.66
W0002A	9	NH-85	2-Feb-00	44°39.1'N	126°02.9'W	900	0.29	0.17
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	1	6.65	6.67
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	10	6.81	6.79
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	19	6.85	6.99
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	25	6.65	6.79
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	29	6.60	6.74
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	40	6.49	6.55
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	50	6.44	6.49
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	70	5.97	6.19
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	100	4.16	4.86
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	150	2.90	3.12
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	300	1.83	1.84
W0004B	11	NH-65	13-Apr-00	44°39.1'N	125°36.0'W	831	0.24	0.14
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	1	6.63	6.59
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	10	6.61	6.55
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	20	6.66	6.62
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	25	6.63	6.57
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	30	6.63	6.51
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	40	6.49	6.42
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	50	6.40	6.29
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	69	6.24	6.21
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	100	4.67	4.72
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	150	2.98	3.05
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	900	0.28	0.16
W0004B	20	FM-9	14-Apr-00	43°13.0'N	125°09.9'W	1005	0.33	0.21
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	2	6.65	6.52
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	50	6.41	6.38
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	100	5.03	5.17
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	150	3.13	3.29
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	200	2.52	2.60

Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O <sub>2</sub> -titration (ml/l)	O <sub>2</sub> -probe (ml/l)
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	250	2.06	2.13
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	300	1.91	1.93
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	400	1.17	1.26
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	500	0.68	0.67
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	600	0.42	0.36
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	800	0.27	0.15
W0004B	28	CR-8	15-Apr-00	41°54.0'N	125°12.0'W	1005	0.33	0.21
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	2	6.60	6.66
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	50	6.21	6.28
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	100	3.95	4.60
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	150	2.52	2.44
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	200	2.10	2.21
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	250	1.92	2.00
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	300	1.61	1.77
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	400	1.07	1.06
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	500	0.68	0.64
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	600	0.47	0.45
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	800	0.33	0.19
W0004B	38	RR-5	16-Apr-00	42°30.0'N	124°54.1'W	1006	0.35	0.22
W0007A	11	NH-55	8-Jul-00	44°39.1'N	125°22.0'W	2	5.84	5.38
W0007A	11	NH-55	8-Jul-00	44°39.1'N	125°22.0'W	36	6.71	6.46
W0007A	11	NH-55	8-Jul-00	44°39.1'N	125°22.0'W	100	4.35	4.57
W0007A	11	NH-55	8-Jul-00	44°39.1'N	125°22.0'W	200	2.31	2.29
W0007A	11	NH-55	8-Jul-00	44°39.1'N	125°22.0'W	300	1.64	1.59
W0007A	11	NH-55	8-Jul-00	44°39.1'N	125°22.0'W	450	0.94	0.88
W0007A	11	NH-55	8-Jul-00	44°39.1'N	125°22.0'W	700	0.28	0.21
W0007A	11	NH-55	8-Jul-00	44°39.1'N	125°22.0'W	899	0.22	0.13
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	1	7.49	7.10
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	10	7.59	7.16
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	20	6.47	6.32
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	23	6.11	5.72
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	30	5.09	4.84
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	40	4.90	4.84
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	50	4.91	4.82
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	70	4.32	3.80
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	100	2.93	2.91
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	150	2.67	2.57
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	300	1.32	1.25
W0007A	16	FM-7	9-Jul-00	43°13.0'N	124°50.0'W	320	1.24	1.17
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	5	6.7	6.42
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	25	6.6	6.36
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	75	5.19	4.69
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	100	5.02	4.07
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	150	3.63	4.2
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	200	2.55	2.41

Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O <sub>2</sub> -titration (ml/l)	O <sub>2</sub> -probe (ml/l)
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	300	1.76	1.63
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	400	1.00	1.03
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	500	0.77	0.68
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	600	0.48	0.39
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	800	0.23	0.14
W0007A	23	CR-10	10-Jul-00	41°53.9'N	125°39.9'W	975	0.29	0.19
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	10	6.51	6.35
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	20	6.49	6.35
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	76	4.30	4.32
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	100	3.66	3.74
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	150	2.64	2.67
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	200	2.41	2.43
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	300	1.17	1.70
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	400	1.07	1.06
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	499	0.78	0.78
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	600	0.49	0.48
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	800	0.28	0.20
W0007A	38	RR-5	12-Jul-00	42°30.0'N	124°54.1'W	1005	0.32	0.21
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	1	5.92	5.00
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	9	5.91	4.98
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	20	6.36	5.37
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	26	6.35	5.49
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	30	6.15	5.46
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	41	5.60	5.23
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	50	5.19	4.91
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	69	4.27	4.18
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	100	3.50	1.98
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	150	2.59	2.48
W0009A	12	NH-85	8-Sep-00	44°39.1'N	126°03.0'W	1005	0.33	0.16
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	2	6.39	5.63
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	10	6.36	5.58
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	20	6.05	5.37
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	30	5.49	5.03
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	40	5.16	4.51
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	50	4.77	4.17
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	70	4.04	3.73
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	100	3.25	3.00
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	148	2.45	2.35
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	225	2.09	1.98
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	885	0.28	0.17
W0009A	14	FM-8	9-Sep-00	43°13.0'N	125°00.0'W	1005	0.42	0.25
W0009A	30	CR-10	10-Sep-00	41°54.0'N	125°40.0'W	611	0.31	0.24
W0009A	30	CR-10	10-Sep-00	41°54.0'N	125°40.0'W	900	0.26	0.15
W0009A	30	CR-10	10-Sep-00	41°54.0'N	125°40.0'W	991	0.32	0.21

Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O <sub>2</sub> -titration (ml/l)	O <sub>2</sub> -probe (ml/l)
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	1	6.01	5.32
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	10	6.02	5.32
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	20	6.12	5.36
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	30	5.13	5.47
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	34	5.03	4.93
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	40	4.75	4.59
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	50	4.48	4.44
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	70	3.76	3.61
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	100	2.98	2.95
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	151	2.44	2.32
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	630	0.33	0.23
W0009A	31	CR-11	10-Sep-00	41°54.0'N	126°00.0'W	1004	0.35	0.21
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	1	6.35	5.77
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	50	4.56	4.13
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	100	3.16	3.09
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	200	2.21	2.13
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	300	1.83	1.78
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	400	1.18	1.09
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	500	0.67	0.63
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	600	0.47	0.40
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	700	0.27	0.17
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	835	0.23	0.14
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	900	0.27	0.17
W0009A	34	RR-5	11-Sep-00	42°30.0'N	124°54.0'W	1005	0.35	0.22
W0009A	41	HH-3	12-Sep-00	44°00.0'N	124°36.0'W	100	1.88	1.76
W0009A	41	HH-3	12-Sep-00	44°00.0'N	124°36.0'W	135	1.11	1.08
W0009A	41	HH-3	12-Sep-00	44°00.0'N	124°36.0'W	145	1.14	1.65
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	2	6.75	5.98
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	11	6.50	5.7
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	20	5.18	5.31
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	30	4.49	4.62
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	40	3.83	4.05
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	50	3.36	3.53
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	70	2.54	2.55
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	100	2.57	2.39
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	150	1.94	1.82
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	300	1.50	1.41
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	500	0.87	0.79
W0009A	43	HH-5	12-Sep-00	44°00.0'N	125°00.2'W	885	0.30	0.17

