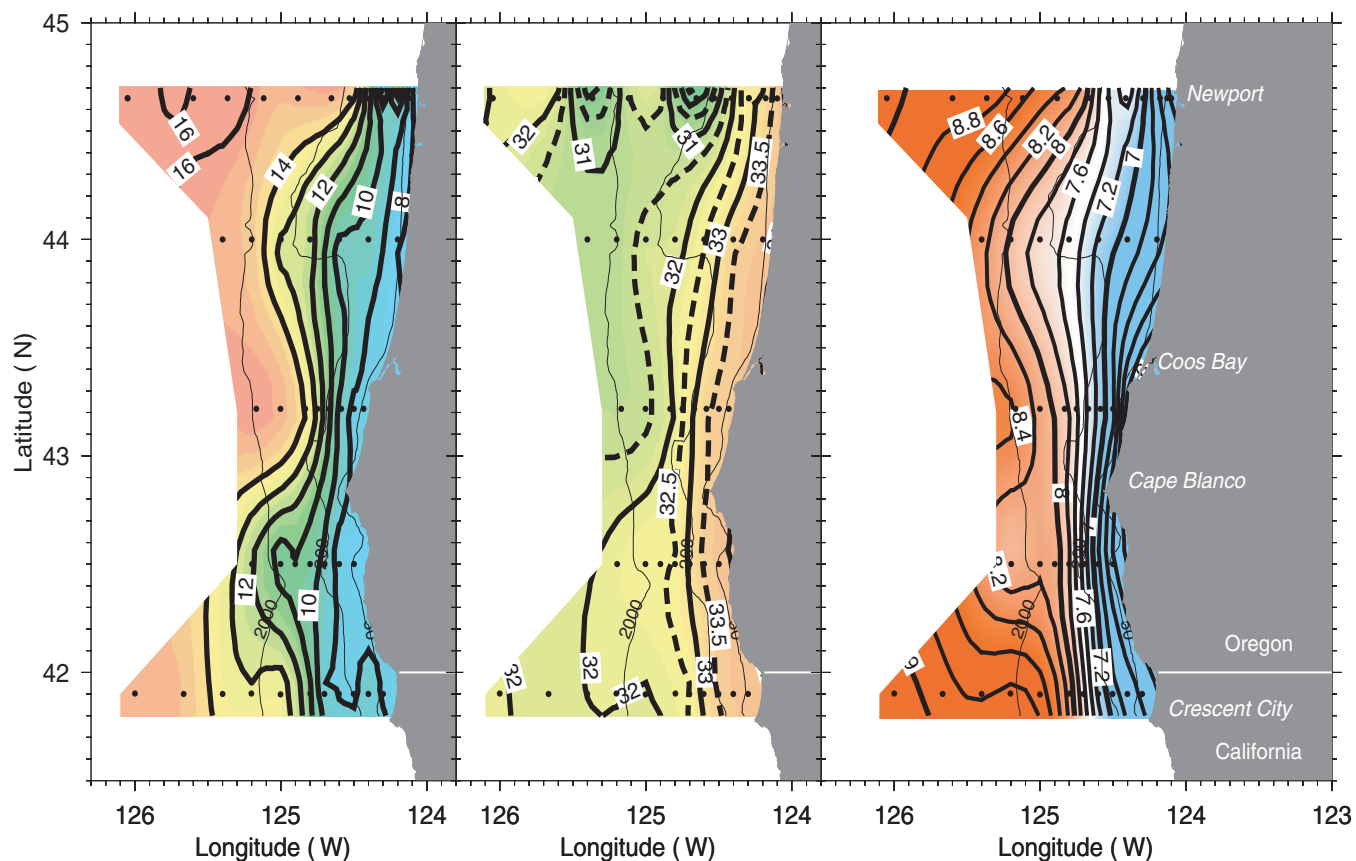


College of Oceanic and Atmospheric Sciences

T (C) at 10 m, July 2002

S (psu) at 10 m, July 2002

Geopot. Anom. (0/500 dbar), July 2002



Hydrographic Data from the GLOBEC Long-Term Observation Program off Oregon, 2002 and 2003

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Hydrographic Data from the GLOBEC Long-Term Observation Program off Oregon, 2002 and 2003

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; Fleischbein et al, 2001; Fleischbein et al, 2002). 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 2002-2003, the LTOP program continued sampling along these two lines and three 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 data from nine cruises made between February 2002 and September 2003.

During the 2002-2003 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'N from Coos Bay, Oregon; the Rogue River (RR) line which extends 65 km west long 42°30'N from the Rogue River, Oregon; and the CR line which extends 150 km west along 41°54'N from Crescent City, California. 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).

Seven 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). Two of the cruises were on research vessels from other institutions: the September 2002 survey (A7-21) was on the R/V *Atlantis*, operated by the Wood's Hole Oceanographic Institution, and the July 2003 cruise was aboard the R/V *New Horizon*, operated by the Scripps Institute of Oceanography. Several persons participated in almost all LTOP CTD cruises (Table 2). This overlap of personnel ensured that similar sampling protocols were used throughout; these protocols are described below.

The first LTOP CTD cruise of 2002, W0202A, sampled the Newport Hydro line out to NH-65 (Table 3, Figure 2) on 19-20 February. Following station 7 at NH-25, only vertical and MOCNESS tows were done during the early am on Feb. 20th at NH-35 and NH-45 to allow the tows to be completed in darkness. CTD casts were resumed at NH-55. NH-65 was completed, and the ship ran inshore to complete CTD casts at NH-45 and 35. NH-85 was skipped due to forecast of a gale approaching.

During W0204A, CTD casts were completed on the Newport Hydro line and Five Mile lines on 4-7 April, and then, with the forecast of favorable weather, the ship ran to the Crescent City line (Table 4, Figure 2). Casts were completed along the CR-line, followed by the Rogue River and Heceta Head lines on 7-10 April.

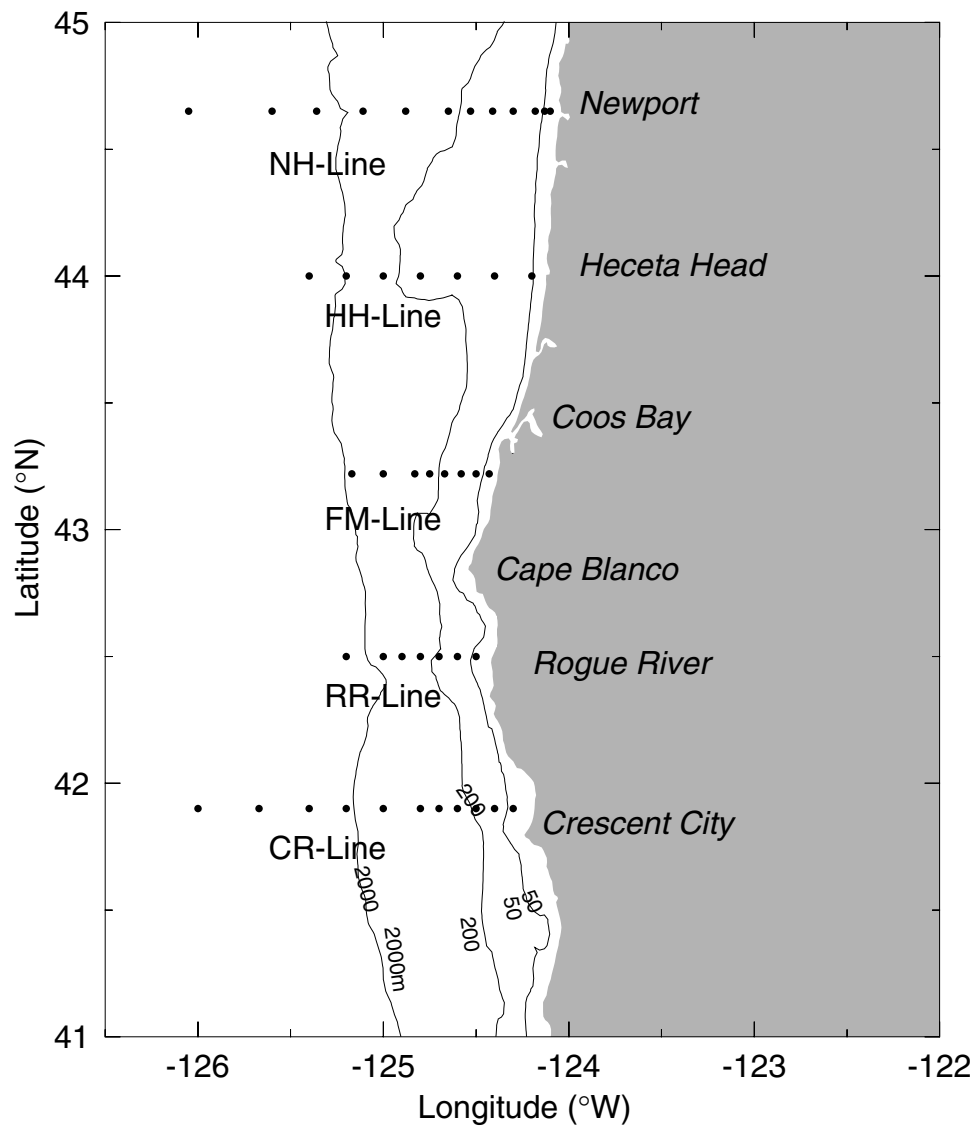


Figure 1. Location of standard sampling lines.

Cruise W0207A, 9-15 July, followed a similar sampling pattern as in April with the addition of an extra cast at NH-85 to collect surface water, and an extra cast was done at NH-10 at the end of the cruise to 50m for additional nutrient sampling (Table 5, Figure 2). The cruise went smoothly, except the ship had to hove to because of bad weather for a short time when it arrived at CR-11.

Sampling began at NH-3 instead of NH-1 on the September 2002 cruise, AT7-21, due to dense fog at NH-1, and in order to save time since the ship's crew and science party needed to learn the sampling procedures aboard the R/V Atlantis. The Newport line was worked offshore as usual, and an extra shallow cast was done at NH-85 to collect surface water. Sampling continued along the CR line, the FM line and the HH line (Table 6, Figure 2). The Rogue River line was not sampled since the line had the lowest priority for sampling and there was not sufficient time to do it.

During W0212A, 3-5 December 2002, CTD casts were done along the Newport Hydro line initially out to NH-25. The ship then worked back in toward shore doing only net tows to do the MOCNESS tows in darkness. CTD sampling resumed at NH-35 and net tows and CTD's were done out to NH-85 (Table 7, Figure 2).

The CTD cast NH-1 was skipped on W0302A, 14-16 February 2003, to save time due to a forecast of bad weather. After CTD's were completed out to NH-35, the ship backtracked to do MOCNESS tows in darkness at NH-15, 25 and 35. Due to deteriorating weather conditions and winch problems, the MOCNESS at NH-35 was aborted and the ship ran to NH-85 (Table 8, Figure 3). The winds came down and CTD casts along the NH line were completed working towards shore. Upon returning to NH-35, the MOCNESS was successfully completed there.

From 1 to 6 April 2003, 44 CTD stations were completed on cruise W0304A (Table 9, Figure 3). In order to maximize darkness for the MOCNESS tows, CTD stations were done out of order: from NH1 to NH-10, NH-20, then back to NH-15. MOCNESS tows were then done at NH-15, 25, 35 and 45. A CTD cast followed at NH-45, 35 and 25 before running back to NH-55 where the rest of the line was completed in order out to NH-85. CTD casts were completed along the Five Mile, Crescent City, Rogue River and Heceta Head lines. Due to a forecast of bad weather the outer stations and MOCNESS tows were skipped along the HH-line in order to finish the inshore stations. Time was sufficient to add on intermediate station HH-1.5 between HH-2 and HH-1 to get more sampling along the inshore end of the line.

Cruise NH0307A was completed in two legs to accommodate a video crew making a documentary on ocean research. During the first leg from 3-6 July 2003 (Table 10, Figure 3) CTD casts were completed along the Newport Hydro line, Crescent City line, Five Mile line, HH-7 and HH-5, and the ship returned to Newport to disembark five of the science party and pick up one scientist and four camera crew to film night operations. During the second leg (7-8 July) CTD's were completed at HH-3, 4, 5 and 7.

The final 2003 LTOP cruise, from 26 September to 1 October, completed CTD casts along the Newport Hydro line, out of order to accommodate the MOCNESS tows in darkness, and along the Crescent City line, Five Mile line and Heceta Head lines (Table 10, Figure 3). The Rogue River line was skipped in order to allow time for repeated deep MOCNESS tows at HH-9.

Satellite-tracked drifters were deployed on six cruises: in April, July and September 2002 and April, July and September 2003 (Table 11).

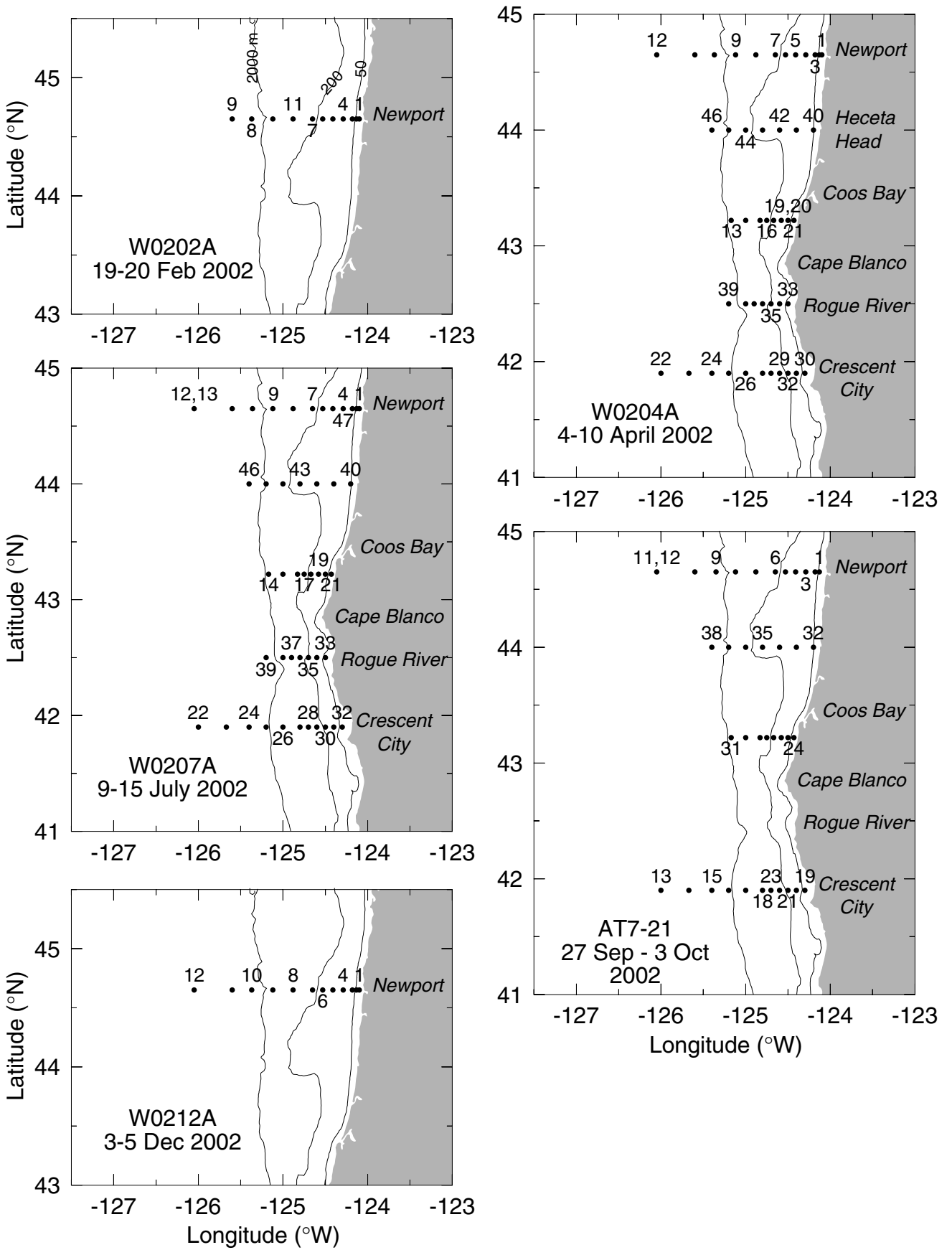


Figure 2. Location of CTD stations during W0202A, W0207A, W0212A, W0204A, AT7-21.

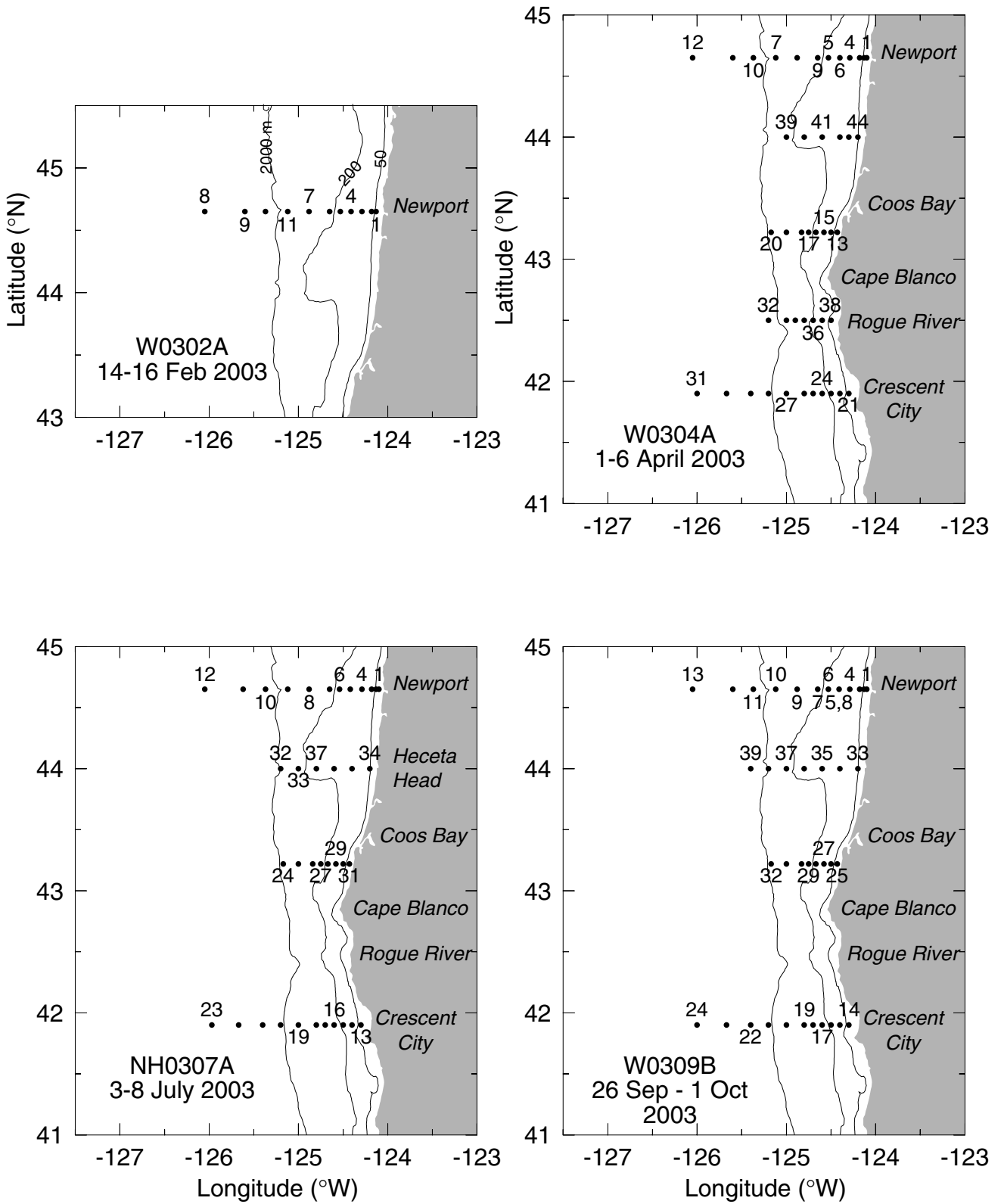


Figure 3. Location of CTD stations during W0302A, W0304A, NH0307A, W0309B.

Table 1. Stations occupied along the 5 hydrographic lines: Newport, Five Mile, Crescent City, Rogue River and Heceta Head during the 2002-2003 GLOBEC cruises.

Station	W0202a 19-20 Feb	W0204a 4-10 Apr	W0207a 9-15 July	AT7-21 27 Sep - 3 Oct	W0212a 3-5 Dec	W0302a 14-16 Feb	W0304a 1-6 April	NH0307A 3-8 July	W0309B 26 Sep-1 Oct
NH-1	1	1	1		1		1	1	1
-3	2	2	2	1	2	1	2	2	2
-5	3	3	3	2	3	2	3	3	3
-10	4	4	4,47	3	4	3	4	4	4
-15	5	5	6	4	5	4	6	5	5,8
-20	6	6	5	5	6	5	5	6	6
-25	7	7	7	6	7	6	9	7	7
-35	11	8	8	7	8	7	8	8	9
-45	10	9	9	8	9	11	7	9	10
-55	8	10	10	9	10	10	10	10	11
-65	9	11	11	10	11	9	11	11	12
-85		12	12,13	11,12	12	8	12	12	13
FM-1		21	21	24			13	31	25
-3		19,20	20	25			14	30	26
-4		18	19	26			15	29	27
-5		17	18	27			16	28	28
-6		16	17	28			17	27	29
-7		15	16	29			18	26	30
-8		14	15	30			19	25	31
-9		13	14	31			20	24	32
CR-1		30	32	19			21	13	14
-2		31	31	20			22	14	15
-3		32	30	21			23	15	16
-4		29	29	22			24	16	17
-5		28	28	23			25	17	18
-6		27	27	18			26	18	19
-7		26	26	17			27	19	20
-8		25	25	16			28	20	21
-9		24	24	15			29	21	22
-10		26	23	14			30	22	23
-11		22	22	13			31	23	24
RR-1		33	33				38		
-2		34	34				37		
-3		35	35				36		
-4		36	36				35		
-5		37	37				34		
-6		38	38				33		
-7		39	39				32		
HH-1		40	40	32			44,1.5-43	34	33
-2		41	41	33			42	35	34
-3		42	42	34			41	36	35
-4		43	43	35			40	37	36
-5		44	44	36			39	33	37
-6									
-7		45	45	37				32	38
-8									
-9		46	46	38					39

Table 2. Names, affiliations, and responsibilities of scientific personnel participating on the LTOP Cruises.

			W0202A	W0204A	W0207A	AT7-21	W0212A	W0302A	W0304A	NH0307A	W0309B
Adriana Huyer	OSU	CTD	x	x	x	x			x	x	x
Robert L. Smith	OSU	CTD	x	x		x		x	x	x ¹	x
Jane Fleischbein	OSU	CTD	x	x	x	x	x	x	x	x ¹	x
Joe Jennings	OSU	CTD, oxygen			x	x	x		x	x	x
Margaret Sparrow	OSU	CTD		x	x	x	x				x
Kathryn Brooksforce	OSU	CTD		x						x	
Dale Hubbard	OSU	CTD				x			x		
Hali Kugler	OSU	CTD						x			
Andy Ross	OSU	CTD, oxygen						x			
David Lett	OSU	CTD	x					x			
Chad Waluk	OSU	CTD			x	x					
Julie Arrington	OSU	nuts, chl	x	x	x	x	x		x	x	x
Mike Wetz	OSU	nuts, chl	x	x		x			x	x ¹	
Jennifer Harmon	OSU	nuts, chl	x	x	x	x	x	x	x	x	x
Jennifer Jarrell-Wetz	OSU	nuts, chl			x	x	x	x	x	x	x
Christie Walker	OSU	nuts, chl	x								
Carrie Newell	OSU	nuts, chl		x							
Erin Clark	OSU	nuts, chl			x						
Kerry Mammone	OSU	nuts, chl				x		x			x
Somrudee Meprasert	OSU	Nuts, chl								x ¹	
Barry Sherr	OSU	microzooplankton				x					
Carlos López	OSU	microzooplankton	x	x	x	x	x	x	x	x	x
Greer Martin	OSU	microzooplankton								x	
Aaron Hartz	OSU	microzooplankton									x
Julie Keister	HMSC	zooplankton		x		x	x	x	x	x	
Leah Feinberg	HMSC	zooplankton					x	x	x		x
Anders Roestad	HMSC	zooplankton	x	x	x	x					
Mitch Vance	HMSC	zooplankton	x	x	x	x	x	x	x		
Jesse Lamb	HMSC	zooplankton	x								
Caroline Tracy Shaw	HMSC	zooplankton	x	x	x	x	x	x		x	x
Steve Romaine	UVic	zooplankton			x						
Frank Estella	HMSC	zooplankton				x					
Carolyn Knight	HMSC	zooplankton				x					
Mary Buthimethee	HMSC	zooplankton					x				
Rian Hooff	HMSC	zooplankton								x	
Wm. T. Peterson	NOAA	zooplankton								x ²	
Kristina Johnson	HMSC	zooplankton								x ¹	
Travis Johnson	ORI	zooplankton									x
Richard Roberts	HMSC	zooplankton									x
Linda Faylor	OSU	martec	x	x	x	x	x	x	x		x
Daryl Swensen	OSU	martec	x	x	x	x	x	x	x	x	x

¹First leg only

²Second leg only

Table 3. CTD stations occupied during W0202A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Dist. From Shore	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	19 Feb	2037	44°39.2'N	124°06.0'W	3.0km	29	1015.4	250	10	
2	NH-3	20 Feb	0030	44°39.2'	124°07.8'	5.4	47	1017.2	280	8	
3	NH-5		0135	44°39.1'	124°10.6'	9.1	58	1019.3	300	6	Y
4	NH-10		0353	44°39.1'	124°17.7'	18.3	81	1019.3	020	4	
5	NH-15		0515	44°39.1'	124°24.7'	27.6	92	1019.5	020	3	Y
6	NH-20		0700	44°39.1'	124°31.6'	36.7	140	1020.4	020	4	
7	NH-25		0839	44°39.1'	124°39.0'	46.5	295	1020.0	035	2-3	Y
8	NH-55		1622	44°39.1'	125°22.0'	103.2	2867	1023.5	080	6	
9	NH-65		1827	44°39.1'	125°36.0'	121.5	2860	1024.9	095	8	Y
10	NH-45		2108	44°39.1'	125°07.0'	83.3	701	1025.0	080	6	Y
11	NH-35		2309	44°39.1'	124°53.0'	65.0	439	1024.5	085	8	Y

Table 4. CTD stations occupied during W0204A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Dist. From Shore	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	4 Apr	2320	44°39.1'N	124°06.1'W	3.1 km	29	1017.0	205	12	
2	NH-3		2359	44°39.1'	124°07.8'	5.4	48	1016.5	200	10	
3	NH-5	5 Apr	0053	44°39.1'	124°10.6'	9.1	59	1016.5	200	11	Y
4	NH-10		0240	44°39.0'	124°17.7'	18.3	83	1016.2	185	10	
5	NH-15		0351	44°39.0'	124°24.7'	27.6	92	1015.8	180	11	Y
6	NH-20		0547	44°39.1'	124°31.7'	36.9	143	1016.0	160	10	
7	NH-25		0702	44°39.1'	124°39.0'	46.5	295	1016.1	180	14	Y
8	NH-35		1017	44°39.1'	124°52.9'	64.8	437	1015.9	170	18	Y
9	NH-45		1347	44°39.1'	125°07.0'	83.3	702	1014.2	175	18	Y
10	NH-55		1808	44°39.1'	125°22.0'	103.2	2866	1015.2	175	16	
11	NH-65		2009	44°39.1'	125°36.0'	121.5	2857	1015.1	190	17	Y
12	NH-85		2313	44°39.1'	126°02.9'	157.0	2884	1014.8	200	18	Y
13	FM-9	6 Apr	0831	43°13.0'	125°10.1'	62.8	1649	1018.2	310	7	Y
14	FM-8		1032	43°13.0'	125°00.0'	49.1	1083	1018.3	320	6	Y
15	FM-7		1249	43°13.0'	124°50.0'	35.7	343	1018.5	320	8	Y
16	FM-6		1614	43°13.0'	124°45.1'	29.1	317	1020.5	310	3	
17	FM-5		1723	43°13.0'	124°40.0'	22.2	157	1021.2	340	6	Y
18	FM-4		2000	43°13.0'	124°34.9'	15.2	85	1021.2	340	5	Y
19	FM-3		2213	43°13.0'	124°30.0'	8.7	65	1021.2	340	11	
20	FM-3		2247	43°13.0'	124°30.0'	8.7	66				Y
21	FM-1	7 Apr	0022	43°13.0'	124°26.0'	3.3	34	1021.1	330	11	
22	CR-11		0944	41°54.0'	126°00.0'	148.5	3329	1021.7	325	14	Y
23	CR-10		1222	41°54.0'	125°39.9'	120.8	2930	1020.5	335	15	
24	CR-9a		1426	41°54.0'	125°24.0'	98.9	3096	1020.5	340	15	Y
25	CR-8		1636	41°54.0'	125°12.0'	82.2	2723	1020.9	345	13	
26	CR-7		1824	41°54.0'	125°00.0'	65.7	838	1021.0	335	17	Y
27	CR-6		2016	41°54.0'	124°48.0'	49.3	699	1021.0	335	18	
28	CR-5		2126	41°54.0'	124°42.0'	40.9	658	1019.5	345	18	Y
29	CR-4		2255	41°54.0'	124°36.0'	32.6	504	1018.6	325	23	Y
30	CR-1	8 Apr	0106	41°54.0'	124°17.9'	7.8	40	1015.9	320	27	Y
31	CR-2		0219	41°54.0'	124°24.0'	16.1	68	1016.2	335	23	
32	CR-3		0416	41°54.0'	124°30.0'	24.4	138	1016.2	335	23	Y
33	RR-1		1504	42°30.0'	124°30.0'	7.2	37	1014.4	160	3	Y
34	RR-2		1623	42°30.0'	124°36.0'	15.6	88	1014.9	200	5	Y
35	RR-3		1819	42°30.0'	124°42.0'	23.7	135	1015.4	200	4	Y
36	RR-4		2037	42°30.0'	124°48.1'	32.0	584	1015.2	157	7	Y
37	RR-5		2342	42°30.0'	124°54.0'	40.0	1158	1015.2	150	8	
38	RR-6	9 Apr	0112	42°30.0'	125°00.0'	48.3	1768	1014.0	180	12	Y
39	RR-7		0318	42°30.0'	125°12.0'	64.6	2970	1013.2	140	10	Y
40	HH-1		1258	44°00.1'	124°12.0'	5.0	54	1012.5	180	19	Y
41	HH-2		1438	44°00.0'	124°24.0'	20.9	120	1012.0	190	30	Y
42	HH-3		1636	44°00.0'	124°35.9'	36.9	155	1012.6	190	24	Y
43	HH-4		1806	44°00.0'	124°47.9'	52.8	113	1013.2	210	24	Y
44	HH-5		2004	44°00.0'	125°00.0'	68.9	927	1012.8	205	18	Y
45	HH-7		2158	44°00.0'	125°12.0'	84.8	1687	1014.0	205	15	Y
46	HH-9		2354	44°00.0'	125°24.0'	108.9	3016	1015.1	200	17	Y

Table 5. CTD stations occupied during W0207A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Dist. From Shore	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	9 July	2217	44°39.0'N	124°06.0'W	3 km	29	1015.5	335	22	
2	NH-3		2255	44°39.1'	124°07.8'	5.4	48	1016.8	345	15	
3	NH-5		2353	44°39.1'	124°10.7'	9.3	60	1015.9	330	17	Y
4	NH-10	10 July	0132	44°39.1'	124°17.7'	18.3	81	1015.1	345	18	
5	NH-20		0329	44°39.1'	124°31.8'	37	145	1015.0	350	21	
6	NH-15		0459	44°39.1'	124°24.7'	27.6	93	1015.1	345	16	Y
7	NH-25		0740	44°39.1'	124°39.2'	46.7	292	1015.1	340	20	Y
8	NH-35		1045	44°39.1'	124°53.0'	65	439	1015.9	340	18	Y
9	NH-45		1453	44°39.1'	125°07.0'	83.3	703	1018.2	335	16	Y
10	NH-55		1859	44°39.1'	125°21.9'	103	2865	1019.2	330	18	
11	NH-65		2122	44°39.1'	125°36.0'	121.5	2860	1020.1	330	21	Y
12	NH-85	11 July	0021	44°39.1'	126°03.0'	157.2	2884	1020.9	335	17	
13	NH-85		0042	44°39.1'	126°03.0'	157.2	2884				Y
14	FM-9		1004	43°13.0'	125°10.1'	62.8	1652	1020.4	355	26	Y
15	FM-8		1224	43°13.0'	125°00.1'	49.3	1079	1020.0	000	26	Y
16	FM-7		1443	43°13.0'	124°50.0'	35.7	342	1020.2	005	24	Y
17	FM-6		1805	43°13.0'	124°45.0'	28.9	313	1020.0	005	25	
18	FM-5		1917	43°13.0'	124°40.1'	22.2	160	1019.3	000	23	Y
19	FM-4		2144	43°13.0'	124°35.1'	15.6	87	1019.1	000	20	Y
20	FM-3		2337	43°13.0'	124°30.0'	8.7	66	1018.0	000	21	Y
21	FM-1	12 July	0120	43°13.0'	124°26.0'	3.3	35	1017.5	010	18	
22	CR-11		1218	41°54.1'	126°00.0'	148.5	3330	1015.9	355	28	Y
23	CR-10		1516	41°54.0'	125°40.0'	120.9	2927	1015.2	355	29	
24	CR-9a		1740	41°54.1'	125°24.0'	98.9	3096	1013.9	355	31	Y
25	CR-8		2012	41°54.1'	125°12.1'	82.4	2766	1013.5	355	28	
26	CR-7	13 July	2244	41°53.9'	125°00.1'	65.9	842	1012.2	350	26	Y
27	CR-6		0101	41°54.1'	124°47.9'	49.1	698	1013.0	340	22	
28	CR-5		0242	41°54.0'	124°42.1'	41.1	661	1012.8	000	20	Y
29	CR-4		0418	41°54.0'	124°36.1'	32.8	506	1014.0	000	9	Y
30	CR-3		0714	41°54.0'	124°30.1'	24.4	139	1014.1	000	15	Y
31	CR-2		0918	41°54.0'	124°24.0'	16.1	70	1013.2	000	18	
32	CR-1		1101	41°54.0'	124°18.0'	7.8	42	1012.6	310	8	Y
33	RR-1		1505	42°30.0'	124°30.0'	7.2	36	1013.7	330	16	Y
34	RR-2		1620	42°30.0'	124°36.0'	15.6	86	1014.2	355	20	Y
35	RR-3		1800	42°30.0'	124°42.0'	23.7	133	1014.2	350	19	Y
36	RR-4		2009	42°30.0'	124°48.0'	31.9	599	1015.0	340	21	Y
37	RR-5	14 July	2258	42°30.0'	124°54.0'	40	1168	1015.1	345	15	
38	RR-6		0032	42°30.0'	125°00.1'	48.3	1774	1015.0	330	17	Y
39	RR-7		0225	42°30.0'	125°11.9'	64.4	2971				Y
40	HH-1		1250	44°00.1'	124°12.0'	5	54	1018.0	355	15	Y
41	HH-2		1404	44°00.0'	124°24.0'	20.9	120	1018.6	355	15	Y
42	HH-3		1527	44°00.0'	124°36.0'	36.9	153	1019.4	015	14	Y
43	HH-4	15 July	1650	44°00.0'	124°48.0'	53	110	1019.9	000	11	Y
44	HH-5		1813	44°00.0'	125°00.0'	68.9	927	1020.0	000	13	Y
45	HH-7		2011	44°00.0'	125°12.0'	84.8	1699	1020.0	000	16	Y
46	HH-9		2202	44°00.0'	125°24.0'	100.9	3020	1019.7	000	21	Y
47	NH-10		1649	44°39.1'	124°17.7'	18.3	80	1017.9	000	16	

Table 6. CTD stations occupied during AT7-21. Atmospheric pressure, wind direction and speed are from the underway data acquisition system.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Dist. From Shore	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-3	28 Sept	0022	44°39.1'N	124°07.8'W	5.4	47	1009.1	344	10	
2	NH-5		0346	44°39.1'	124°10.6'	9.1	58	1009.8	349	33	Y
3	NH-10		0716	44°39.1'	124°17.7'	18.3	80	1009.4	005	14	
4	NH-15		0933	44°39.1'	124°24.7'	27.6	91	1009.6	005	14	Y
5	NH-20		1328	44°39.1'	124°31.6'	36.9	143	1009.2	015	16	
6	NH-25		1519	44°39.1'	124°39.0'	46.5	294	1009.5	010	14	Y
7	NH-35		1928	44°39.1'	124°53.0'	65	435	1010.2	352	17	Y
8	NH-45	29 Sept	0006	44°39.1'	125°07.0'	83.3	698	1008.4	343	17	Y
9	NH-55		0525	44°39.1'	125°21.9'	101.9	2845	1009.5	305	8	
10	NH-65		0817	44°39.1'	125°36.0'	121.5	2858	1010.4	338	23	Y
11	NH-85		1236	44°39.1'	126°03.1'	157.4	2864	1012.4	330	16	Y
12	NH-85		1314	44°39.1'	126°03.1'	157.2	2863	1012.3	332	16	
13	CR-11	30 Sept	0457	41°54.0'	126°00.0'	148.5	3300	1018.0	290	6	Y
14	CR-10		0824	41°54.0'	125°40.0'	120.9	2907	1017.9	313	4	
15	CR-9a		1103	41°54.0'	125°24.1'	98.9	3073	1017.5	322	10	Y
16	CR-8		1402	41°54.0'	125°12.0'	82.2	2707	1017.8	324	10	
17	CR-7		1636	41°54.0'	125°00.0'	65.7	827	1018.1	335	6	Y
18	CR-6		1923	41°54.0'	124°48.0'	49.3	693	1018.7	354	8	
19	CR-1		2245	41°54.0'	124°18.0'	7.8	41	1016.5	315	23	Y
20	CR-2	1 Oct	0018	41°54.0'	124°24.0'	16.1	69	1017.1	327	17	
21	CR-3		0240	41°54.0'	124°30.0'	24.4	137	1017.8	333	19	Y
22	CR-4		0522	41°54.0'	124°36.0'	32.6	501	1018.6	354	19	Y
23	CR-5		0855	41°54.0'	124°42.0'	40.9	652	1019.2	338	16	Y
24	FM-1		1926	43°13.0'	124°26.0'	3.3	35	1022.4	357	14	
25	FM-3		2046	43°13.0'	124°30.0'	8.7	60	1022.2	007	6	Y
26	FM-4		2210	43°13.0'	124°35.1'	15.6	84	1021.6	348	17	Y
27	FM-5		2335	43°13.0'	124°40.1'	22.2	158	1021.7	352	21	Y
28	FM-6	2 Oct	0113	43°13.0'	124°45.0'	28.9	312	1022.0	010		
29	FM-7		0243	43°13.0'	124°50.0'	35.7	341	1022.4	356	17	Y
30	FM-8		0516	43°13.0'	125°00.0'	49.1	1055	1022.8	008	16	Y
31	FM-9		0817	43°13.0'	125°10.1'	63	1632	1023.7	019	12	Y
32	HH-1		1550	44°00.0'	124°12.0'	5	54	1024.1	068	4	Y
33	HH-2		1733	44°00.0'	124°24.0'	20.9	121	1024.2	334	6	Y
34	HH-3		2054	44°00.0'	124°36.0'	36.9	153	1022.9	018	12	Y
35	HH-4		2344	44°00.0'	124°48.0'	53	110	1022.2	002	10	Y
36	HH-5	3 Oct	0336	44°00.0'	125°00.0'	68.9	924	1021.6	350	12	Y
37	HH-7		0618	44°00.0'	125°12.0'	84.8	1689	1021.4	337	6	Y
38	HH-9		0827	44°00.0'	125°24.0'	100.9	3029	1021.1	299	8	Y

Table 7. CTD stations occupied during W0212A

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Dist. From Shore	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	3 Dec	1913	44°39.1'N	124°06.0'W	3kts.	30	1019.9	075	9	
2	NH-3		1952	44°39.1'	124°08.0'	5.6	50	1019.1	120	8	
3	NH-5		2023	44°39.1'	124°10.6'	9.1	60	1019.1	100	8	Y
4	NH-10		2138	44°39.1'	124°17.7'	18.3	82	1018.9	175	10	
5	NH-15		2228	44°39.1'	124°24.7'	27.6	92	1018.3	180	15	Y
6	NH-20		2333	44°39.1'	124°31.7'	36.9	141	1018.2	170	13	
7	NH-25	4 Dec	0043	44°39.1'	124°39.0'	46.5	296	1019.0	160	11	Y
8	NH-35		1312	44°39.1'	124°52.9'	64.8	437	1017.5	180	25	Y
9	NH-45		1457	44°39.1'	125°07.0'	83.3	702	1018.8	180	21	Y
10	NH-55		1649	44°39.1'	125°22.0'	103.2	2875	1019.9	190	11	
11	NH-65		1855	44°39.1'	125°36.0'	121.5	2871	1020.9	155	9	Y
12	NH-85		2200	44°39.1'	126°03.0'	157.2	2895	1019.9	150	14	Y

Table 8. CTD stations occupied during W0302A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Dist. From Shore	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-3	14 Feb	1915	44°39.1'N	124°07.8'W	5.4km	48	1016.9	110	5	
2	NH-5		1956	44°39.1'	124°10.6'	9.1	59	1016.4	175	5	Y
3	NH-10		2138	44°39.2'	124°17.7'	18.3	80	1014.8	175	10-12	
4	NH-15		2238	44°39.1'	124°24.7'	27.6	90	1014.5	180	13	Y
5	NH-20		2344	44°39.1'	124°31.7'	36.9	141	1013.8	180	14	
6	NH-25	15 Feb	0032	44°39.1'	124°39.0'	46.5	293	1013.3	190	15	Y
7	NH-35		0158	44°39.1'	124°53.0'	65.0	451	1012.8	165	16	Y
8	NH-85		1523	44°39.1'	126°03.0'	157.2	2883	1006.8	190	10	Y
9	NH-65		1841	44°39.1'	125°36.0'	121.5	2862	1007.8			Y
10	NH-55		2139	44°39.1'	125°22.0'	103.2	2866	1006.5	178	19	
11	NH-45		2347	44°39.2'	125°07.0'	83.3	690	1006.0	170	20	Y

Table 9. CTD stations occupied during W0304A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Dist. From Shore	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	1 Apr	2205	44°39.2'N	124°06.0'W	3	29	1005.0	200	30	
2	NH-3		2249	44°39.1'	124°07.6'	5.2	48	1005.0	200	31	
3	NH-5		2330	44°39.1'	124°10.6'	9.1	58	1004.5	215	23	Y
4	NH-10	2 Apr	0145	44°39.0'	124°17.7'	18.3	80	1005.0	240	25	
5	NH-20		0320	44°39.1'	124°24.7'	36.9	142	1003.8	240	17	
6	NH-15		0439	44°39.1'	124°07.0'	27.6	95	1004.1	240	15	Y
7	NH-45		1448	44°39.1'	124°52.9'	83.3	699				Y
8	NH-35		1644	44°39.1'	124°39.0'	64.8	433	1002.2	250	20	Y
9	NH-25		1825	44°39.2'	125°07.0'	46.5	298	1003.5	240	15	Y
10	NH-55		2224	44°39.0'	125°52.9'	103.2	2867	1005.0	295	15	
11	NH-65	3 Apr	0041	44°39.1'	125°36.0'	121.5	2861	1005.9	290	20	Y
12	NH-85		0405	44°39.1'	126°03.0'	157	2884	1008.5	310	22	Y
13	FM-1		1512	43°13.0'	124°26.0'	3.3	34	1015.0	275	9	
14	FM-3		1556	43°13.0'	124°30.0'	8.7	64	1015.8	290	11	Y
15	FM-4		1725	43°13.1'	124°34.9'	15.2	86	1015.8	240	21	Y
16	FM-5		1853	43°13.0'	124°40.0'	22.2	156				Y
17	FM-6		2058	43°13.0'	124°45.0'	28.9	310	1015.0	210	25	
18	FM-7		2208	43°13.0'	124°50.0'	35.7	344	1014.0	195	26	Y
19	FM-8	4 Apr	0110	43°13.0'	125°00.0'	49.1	1080	1011.5	200	30	Y
20	FM-9		0310	43°13.0'	125°09.9'	62.6	1654	1010	170	20	Y
21	CR-1		1338	41°54.0'	124°18.1'	8	41	1013.8	095	7	Y
22	CR-2		1451	41°53.9'	124°24.1'	16.3	68				
23	CR-3		1615	41°54.0'	124°30.0'	24.4	138	1014.9	090	18	Y
24	CR-4		1800	41°54.0'	124°36.0'	32.6	504	1016.5	095	12	Y
25	CR-5		2038	41°53.9'	124°42.0'	40.9	659	1018.0	-	Lt. Airs	Y
26	CR-6		2211	41°54.0'	124°48.0'	49.3	698				
27	CR-7	5 Apr	0048	41°54.0'	125°00.0'	65.7	835	1019.0	330	24	Y
28	CR-8		0242	41°54.0'	125°12.0'	82.2	2726	1019.0	335	25	
29	CR-9a		0425	41°54.0'	125°24.0'	98.9	3096	1021.5	335	22	Y
30	CR-10		0659	41°54.0'	125°40.0'	120.9	2929	1022.2	330	15	
31	CR-11		0933	41°54.0'	126°00.0'	148.5	3325	1023.0	340	5	Y
32	RR-7		1510	42°30.0'	125°12.0'	64.6	2973	1021.8	285	8	Y
33	RR-6		1657	42°30.0'	125°00.0'	48.3	1769	1022.1	260	17	Y
34	RR-5		1831	42°30.0'	124°54.0'	40	1159	1022.5	240	15	
35	RR-4		2017	42°30.0'	124°48.0'	31.9	600	1021.5	210	18	Y
36	RR-3		2255	42°30.0'	124°41.9'	23.5	132	1020.5	200	22	Y
37	RR-2	6 Apr	0040	42°30.0'	124°35.9'	15.4	86	1019.5	200	24	Y
38	RR-1		0211	42°30.0'	124°30.0'	7.2	37	1019.0	225	20	Y
39	HH-5		1112	44°00.0'	125°00.0'	68.9	933	1016.5	290	20	Y
40	HH-4		1318	44°00.0'	124°48.0'	53	111	1017.1	290	17	Y
41	HH-3		1440	44°00.0'	124°36.0'	36.9	153	1018.1	290	12	Y
42	HH-2		1604	44°00.0'	124°24.0'	20.9	120	1019.8	300	12	Y
43	HH-1.5		1750	44°00.0'	124°18.0'	13	93	1020.5	280	8	Y
44	HH-1		1851	44°00.0'	124°12.0'	5	53	1021.5	260	5	Y

Table 10. CTD stations occupied during NH0307A.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Dist. From Shore	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	3 July	0043	44°39.1'N	124°06.2'W	3.3	33	1018.9	000	17	
2	NH-3		0157	44°39.0'	124°07.9'	5.6	49	1018.9	000	17	
3	NH-5		0250	44°39.1'	124°10.7'	9.3	61	1018.0	005	14	Y
4	NH-10		0627	44°39.1'	124°17.6'	18.3	82	1019.0	000	15	
5	NH-15		0749	44°39.1'	124°24.9'	28	91	1019.0	355	15	Y
6	NH-20		1000	44°39.0'	124°32.1'	37.4	148	1018.9	360	14	
7	NH-25		1231	44°39.1'	124°39.0'	46.5	297	1019.0	020	17	Y
8	NH-35		1430	44°39.1'	124°52.9'	64.8	432	1019.8	020	17	Y
9	NH-45		1755	44°39.1'	125°07.0'	83.3	699				Y
10	NH-55		2114	44°39.1'	125°22.1'	103.3	2867	1021.4	005	10	
11	NH-65		2323	44°38.5'	125°37.5'	123.5	2866				Y
12	NH-85	4 July	0239	44°39.2'	126°03.0'	157.2	2884	1021.9	000	22	Y
13	CR-1		2050	41°54.1'	124°18.1'	8	42	1019.6	250	4	Y
14	CR-2		2204	41°54.0'	124°24.1'	16.3	70	1019.6	340	10	
15	CR-3		2354	41°54.0'	124°30.0'	24.4	140	1019.6	340	20	Y
16	CR-4	5 July	0210	41°54.0'	124°36.0'	32.6	505	1018.9	350	20-25	Y
17	CR-5		0512	41°54.0'	124°41.9'	40.7	659	1019.1	350	20-25	Y
18	CR-6		0718	41°54.1'	124°48.2'	49.4	700	1019.1	340	23	
19	CR-7		1055	41°54.0'	124°59.9'	65.6	835	1019.7	350	20	Y
20	CR-8		1322	41°54.0'	125°12.2'	82.6	2764	1019.8	350	20-25	
21	CR-9a		1555	41°53.9'	125°24.0'	98.9	3097		350	22	Y
22	CR-10		1845	41°54.0'	125°40.0'	120.9	2927	1020.5	000	19	
23	CR-11		2110	41°54.3'	125°58.2'	145.9	3333	1020.4	000	24	Y
24	FM-9	6 July	0636	43°13.0'	125°10.2'	63	1708	1018.8	005	17	Y
25	FM-8		0928	43°13.2'	125°00.1'	49.3	1083	1018.2	005	20	Y
26	FM-7		1159	43°12.9'	124°50.3'	36.1	338	1017.9	010	20	Y
27	FM-6		1504	43°12.9''	124°45.3'	29.3	325	1019.2	005	17	
28	FM-5		1607	43°13.0'	124°40.2'	22.4	164	1019.1	015	17	Y
29	FM-4		1755	43°13.1'	124°35.1'	15.6	90	1017.5	010	16	Y
30	FM-3		1945	43°13.1'	124°30.1'	8.9	57	1017.4	020	15	Y
31	FM-1		2140	43°13.1'	124°26.0'	3.3	36	1017.9	015	16	
32	HH-7	7 July	0344	44°00.0'	125°12.0'	84.8	1698	1016.7	020	22	Y
33	HH-5		0602	44°00.0'	125°00.1'	69.1	939	1016.4	005	19	Y
34	HH-1	8 July	0055	44°00.1'	124°12.2'	5.2	56	1015.6	250	8	Y
35	HH-2		0218	44°00.0'	124°23.9'	20.7	123	1016.8	270	10	Y
36	HH-3		0428	44°00.0'	124°36.0'	36.9	155	-	190	5	Y
37	HH-4		0704	44°00.1'	124°48.1'	53	109	1018.1	180	8	Y

Table 11. CTD stations occupied during W0309B.

Sta. No.	Station Name	Date UT	Time UT	Latitude	Longitude	Dist. From Shore	Depth (m)	Atm. Pr. (mbar)	Wind Dir. (°T)	Wind Spd. (kt)	Chlor., Nuts.
1	NH-1	26 Sept.	1819	44°39.1'N	124°06.1'W	3.1	30	1018.2	010	13	
2	NH-3		1856	44°39.1'	124°07.9'	5.6	49	1017.7	005	12	
3	NH-5		1923	44°39.1'	124°10.6'	9.1	60	1017.7	005	16	Y
4	NH-10		2100	44°39.1'	124°17.7'	18.3	82	1016.6	355	15	
5	NH-15		2155	44°39.1'	124°24.7'	27.6	94	1016.1	350	12	Y
6	NH-20		2304	44°39.1'	124°31.7'	36.9	143	1015.2	010	18	
7	NH-25	27 Sept.	0004	44°39.1'	124°39.0'	46.5	294	1014.5	010	22	Y
8	NH-15		0224	44°39.1'	124°24.7'	27.6	94	1013.8	015	15	
9	NH-35		0646	44°39.1'	124°53.0'	65	447	1013.3	020	18	Y
10	NH-45		1021	44°39.1'	125°07.0'	83.3	696	1012.9	045	6	Y
11	NH-55		1345	44°39.1'	125°22.0'	103.2	2865	1012.9	140	6	
12	NH-65		1535	44°39.1'	125°36.0'	121.5	2858	1013.2	150	9	Y
13	NH-85		1838	44°39.1'	126°03.0'	157.2	2884	1013.6	180	11	Y
14	CR-1		1321	41°54.0'	124°18.0'	7.8	41	1015.0	180	2	Y
15	CR-2		1419	41°54.0'	124°24.0'	16.1	68	1015.0	100	4	Y
16	CR-3		1549	41°54.0'	124°30.0'	24.4	136	1015.3	125	7	Y
17	CR-4		1803	41°54.0'	124°36.0'	32.6	503	1015.7	145	7	Y
18	CR-5		2034	41°54.1'	124°42.0'	40.9	661	1015.2	150	10	Y
19	CR-6		2203	41°54.0'	124°48.2'	49.3	699	1014.9	150	9	Y
20	CR-7	29 Sept.	0029	41°54.1'	125°00.0'	65.7	833	1014.2	170	8	Y
21	CR-8		0216	41°54.0'	125°12.0'	82.2	2735	1014.1	170	8	
22	CR-9a		0402	41°54.0'	125°24.0'	98.9	3095	1014.8	180	5	Y
23	CR-10		0629	41°54.0'	125°40.0'	120.9	2929	1014.6	205	2	
24	CR-11		0913	41°54.0'	126°00.0'	148.5	3323	1014.6	220	7	Y
25	FM-1		1857	43°13.0'	124°26.0'	3.3	35	1016.3	235	7	
26	FM-3		1932	43°13.0'	124°30.0'	8.7	67	1016.3	200	13	Y
27	FM-4		2032	43°13.0'	124°35.0'	15.4	88	1016.3	205	14	Y
28	FM-5		2132	43°13.0'	124°40.0'	22.2	159				Y
29	FM-6		2232	43°13.0'	124°45.0'	28.9	311	1016.6	190	15	Y
30	FM-7		2328	43°13.0'	124°50.0'	35.7	344	1016.8	190	11	Y
31	FM-8	30 Sept.	0118	43°13.0'	125°00.0'	49.1	1079	1017.0	185	12	Y
32	FM-9		0257	43°13.0'	125°10.0'	62.6	1659	1017.2	180	8	Y
33	HH-1		0931	44°00.0'	124°12.0'	5	55	1018.0	airs	2	Y
34	HH-2		1050	44°00.0'	124°24.0'	20.9	122	1017.9	080	6	Y
35	HH-3		1249	44°00.0'	124°36.0'	36.9	155	1017.9	var	3	Y
36	HH-4		1451	44°00.0'	124°48.0'	53	111	1018.6	var	3	Y
37	HH-5		1829	44°00.0'	125°00.0'	68.9	935				Y
38	HH-7		2317	44°00.0'	125°12.0'	84.8	1751	1017.2	350	9	Y
39	HH-9	1 Oct.	0131	44°00.0'	124°24.0'	100.9	3021	1017.1	350	9	Y

Table 12. 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)
W0204A	22915	NH-10	44°38.96'	124°18.35'	2310	20 March 2002
	22933	NH-15	44°39.93'	124°26.12'	0111	21 March 2002
	22935	NH-25	44°41.46'	124°40.68'	0539	21 March 2002
	22936	NH-45	44°39.16'	125°07.32'	1521	21 March 2002
	22937	NH-65	44°39.2'	125°36.1'	2051	21 March 2002
W0207A	27438	NH-10	44°39.10'	124°17.48'	2243	6 July 2002
	27439	NH-15	44°39.97'	124°26.57'	0110	7 July 2002
	27440	NH-25	44°41.05'	124°39.33'	0458	7 July 2002
	27441	NH-45	44°41.06'	125°09.31'	1215	7 July 2002
	27442	NH-65	44°39.06'	125°36.14'	1637	7 July 2002
AT7-21	27641	NH-10	44°39.13'	124°17.75'	1341	5 Sept. 2002
	27462	NH-15	44°39.22'	124°25.07'	1445	5 Sept. 2002
	27463	NH-25	44°39.15'	124°39.12'	1642	5 Sept. 2002
	27464	NH-45	44°41.96'	125°06.86'	2131	5 Sept. 2002
	27465	NH-65	44°39.18'	125°36.12'	0224	6 Sept. 2002
W0304A	40172	NH-10	44°39.04'	124°17.81'	0209	2 April 2003
	40173	NH-15	44°38.75'	124°26.07'	0552	2 April 2003
	40175	NH-45	44°39.11'	125°07.09'	1535	2 April 2003
	40174	NH-25	44°39.21'	124°38.90'	1900	2 April 2003
	40176	NH-65	44°39.10'	125°36.01'	0151	3 April 2003
NH0307A	40177	NH-10	44°39.04'	124°17.94'	0705	3 July 2003
	40178	NH-15	44°40.46'	124°26.46'	0918	3 July 2003
	40179	NH-25	44°39.17'	124°39.53'	1325	3 July 2003
	40180	NH-45	44°41.40'	125°06.48'	1955	3 July 2003
	40181	NH-65	44°38.72'	125°38.31'	0047	4 July 2003
W0309B	35894	NH-10	44°39.08'	124°17.99'	2123	26 Sept. 2003
	36543	NH-15	44°39.15'	124°24.94'	2223	26 Sept. 2003
	36544	NH-25	44°39.12'	124°38.90'	0055	27 Sept. 2003
	27466	NH-45	44°40.96'	125°08.03'	1228	27 Sept. 2003
	27442	NH-65	44°39.13'	125°36.05'	1650	27 Sept. 2003

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 12). A transmissometer and 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 (Table 13).

For most cruises the fluorometer had the time constant set to 1 second, and the range set to medium ($X3 = 10 \text{ mg m}^{-3}$ chlorophyll). For cruises W0207A and W0309B, the fluorometer range was set to high ($X1 = 30 \text{ mg m}^{-3}$ chlorophyll) and the fluorescence voltages presented in the data listings (CTD Data section) and in the plots (Appendix A) were multiplied by three to facilitate comparisons with other cruises in this report. The transmissometers were configured with wavelengths of 660 nm and pathlengths of 25 cm, except for cruise W0202A the pathlength was 20 cm. The fluorometer and transmissometer data were recorded as voltages by the CTD system. All fluorometer results are presented as fluorescence voltage.

Air Calibrations of the transmissometers were recorded during cruises for correcting transmission voltage and were used in computing the light transmission values except for cruises W0207A and AT7-21 the factory air calibrations were used. The methodology utilized to compute light transmission varied depending on the transmissometer used and the manufacturer's recommendations. The equations used to compute percent light transmission are presented below:

$$\begin{aligned} \text{W0202A} \quad \%LT &= (4.681/4.853)*0.9987*(V_x-0.000)*20 \\ \text{W0204A} \quad \%LT &= (4.681/4.624)*0.9987*(V_x-0.000)*20 \\ \text{W0207A} \quad \%LT &= (V_x - 0.058)/(4.771-0.058)*100-8.7 \\ \text{AT7-21} \quad \%LT &= (V_x - 0.058)/(4.749-0.058)*100-8.7 \\ \text{W0212A} \quad \%LT &= ((V_x+0.045)-0.056)/(4.771-0.056)*100-8.7 \\ \text{W0302A} \quad \%LT &= ((V_x+0.025)-0.056)/(4.771-0.056)*100-8.7 \\ \text{W0304A} \quad \%LT &= (19.377*V_x)-1.0657 \\ \text{NH0307A} \quad \%LT &= (20.430*V_x)-1.1475 \\ \text{W0309B} \quad \%LT &= (19.467*V_x)-1.0697 \end{aligned}$$

where %LT = calibrated % light transmission and V_x = raw output voltage.

Calibrated transmission voltage is plotted for all cruises in Appendix A and presented as percent light transmission in the data listings.

The pressure sensors were Digiquartz pressure transducers and calibrated by Sea-Bird (Table 13). The Sea-Bird CTD temperature and conductivity sensors were also calibrated by Sea-Bird at least once a year (Table 13). 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.

Table 13. Instruments and sensors used for CTD sampling, and dates of laboratory calibration. Cruise station numbers are listed for each CTD used, and 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 (*) or as footnoted.

Instrument/ Sensor No.	Factory Calibrations	W0202A 19-20 Feb	W0204A 4-10 April	W0207A 9-15 July	AT7-21 27 Sept-3 Oct	W0212A 3-5 Dec	W0302A 14-16 Feb	W0304A 1-6 April	NH0307A 3-8 July	W0309B 26 Sep-2 Oct
CTD/Rosette										
Ctd-256		1								
Pressure 50130	28 Dec 01	•								
Ctd-2843		2-11	1-46	1-47		1-12	1-11	1-44		1-39
Pressure 86527	18 Dec 01	•	•	•		•	•	•		•
Ctd-WHOI					1-38					
Pressure 58939	30 Apr 01				•					
Ctd-0675									1-37	
Pressure 88907	12 Jun 03								•	
Temperature										
1369	11 Dec 01	17 Dec 02	P ¹	P*	P ²		P	P*	P*	
1371	11 Dec 01	17 Dec 02	S	S	S		S*	S	S	S ⁵
2130	20 Feb 02				P ³					
4148	21 Jun 02				S					
2166	12 Jun 03 (at SIO)								P ⁴	
2165	12 Jun 03 (at SIO)								S	
1366	5 Sept 02									P
Conductivity										
1021	11 Dec 01		P	P*	P		P			
1030	11 Dec 01, 17 Dec 02, 8 Jul 03		S	S	S		S*	P*	P*	S
2710	28 Jun 02					P				
2707	20 Jun 02					S				
2356	17 Dec 02						S	S		P
1879	23 May 03								P	
2569	23 May 03								S	

¹ Primary sensor pair used in final processing of W0202A for station 1; secondary sensor pair used for all other stations.

² Secondary sensor pair used in final processing of W0207A for stations 27 and 36; primary sensor pair used for all other stations.

³ Primary sensor pair used in final processing of AT7-21 for station 37; secondary sensor pair used for all other stations.

⁴ Secondary sensor pair used in final processing of NH0307A for stations 1 and 34; primary sensor pair used for all other stations.

⁵ Primary sensor pair used in final processing of W0309B for stations 4, 29 and 37; secondary sensor pair used for all other stations.

Table 13 cont.

Instrument/ Sensor No.	Factory Calibrations	W0202A 19-20 Feb	W0204A 4-10 April	W0207A 9-15 July	AT7-21 27 Sept-3 Oct	W0212A 3-5 Dec	W0302A 14-16 Feb	W0304A 1-6 April	NH0307A 3-8 July	W0309B 26 Sep-2 Oct
Transmissometer										
SeaTech 1024D	11 Feb 98	•								
SeaTech 225D	1 Dec 94		•							
Wetlabs CST-590DR	1 May 02			•		•	•	•		•
Wetlabs CST-536DR	4 Jan 02				•					
Wetlabs CST-492DR	30 Aug 01								•	
Fluorometer										
SeaTech 101S	19 Dec 01	•	•	•		•	•	•		•
Wetlabs 008	25 Sept 00				•					
SeaTech 91S	21 Mar 00								•	
Oxygen										
SBE13 130505	10 Dec 01	•	•	•		•				
SBE43 0113	24 Aug 01				•					
SBE43 0387	3 Jan 03						•	•		•
SBE43 0186	6 Jun 03								•	

One set of the duplicate salinity samples was run on a Guildline Portasal if available on board ship during the cruise, and the rest were run on a Guildline Autosal 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 ± 0.002 and an accuracy of ± 0.003 . Sample conductivity was calculated using the sample salinity value with the CTD temperature and pressure values; a value of 4.2914 S m^{-1} for the conductivity of standard seawater 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 comparisons are shown in Table 14. 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 13. 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 15.

Table 14. 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
W0202A	1-11	21/21	no corr.	no corr.	0.002	0.000	0.003	0.003
W0204A	1-46	83/83	no corr.	no corr.	0.001	-0.001	0.003	0.003
W0207A	1-47	88/88	no corr.	no corr.	0.002	0.003	0.004	0.003
AT7-21	1-38	72/76	1.00016713	no corr.	0.006	0.003	0.003	0.003
W0212A	1-12	27/26	no corr.	no corr.	0.003	0.002	0.003	0.002
W0302A	1-11	24/24	no corr.	no corr.	-0.001	0.001	0.003	0.004
W0304A	1-44	83/84	1.00010844	1.00027835	0.004	0.010	0.002	0.002
NH0307A	1-37	64/64	no corr.	1.00009930	0.001	0.004	0.002	0.002
W0309A	1-39	77/76	1.00026381	0.99990249	0.010	-0.004	0.003	0.002

Table 15. Data Acquisition and Processing Notes.

W0202A	During station 1, CTD #258 would not communicate with the rosette or record secondary temperature data. The CTD was replaced with CTD #2843.
W0204A	Some of the Niskin bottles came up partially empty at station 19, FM-3, so the cast was repeated as station 20.
W0207A	Stations 27 and 36 had clogging in the primary sensor pair.
AT7-21	Station 37 had a clogging in the secondary pair from 8 to 94 db, and clogging in the primary sensor pair from 809 to 993 db. The primary pair was used from 0-100 db, and the data merged with data using the secondary pair from 101 – 1005 db. The oxygen data were deleted from 809 to 993 db.
NH0307A	Stations 1 and 34 had areas of minor clogging in the primary sensor pair.
W0309B	Station 4 had minor clogging in the secondary sensor pair. Station 29 became clogged at 230 db in the secondary sensor pair. The secondary sensor pair of station 37 clogged at 912 db; oxygen data were deleted at depths greater than 911 db.

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, ALIGNCTD, WILDEDIT, CELLTM, FILTER, LOOPEDIT, DERIVE and BINAVG 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 (θ), density anomaly ($\sigma\text{-}\theta$) 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 $\sigma\text{-}t$ 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.

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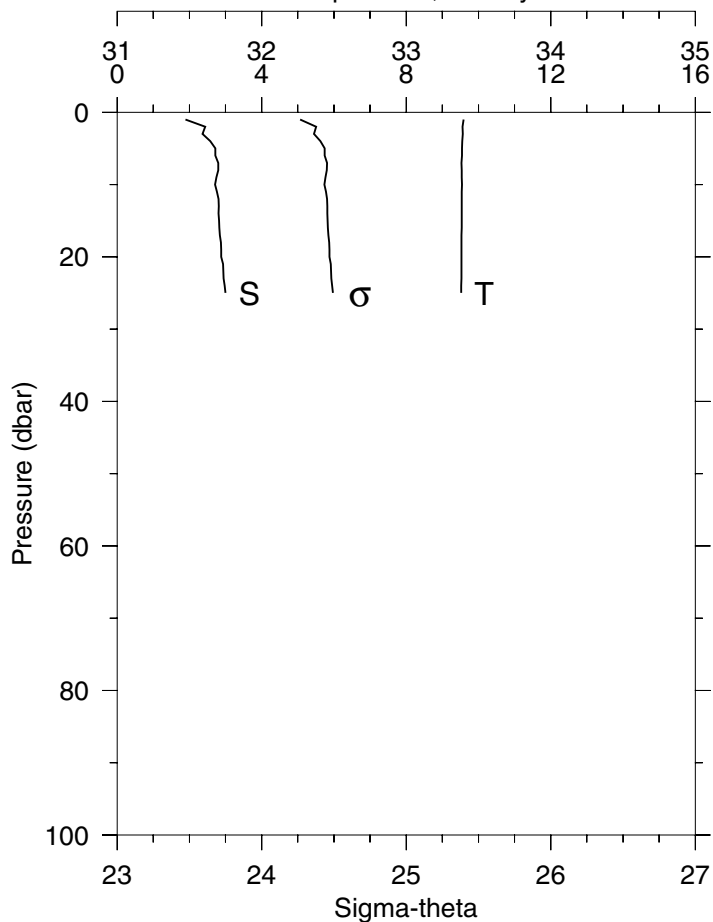
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CTD Data

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

W0202A

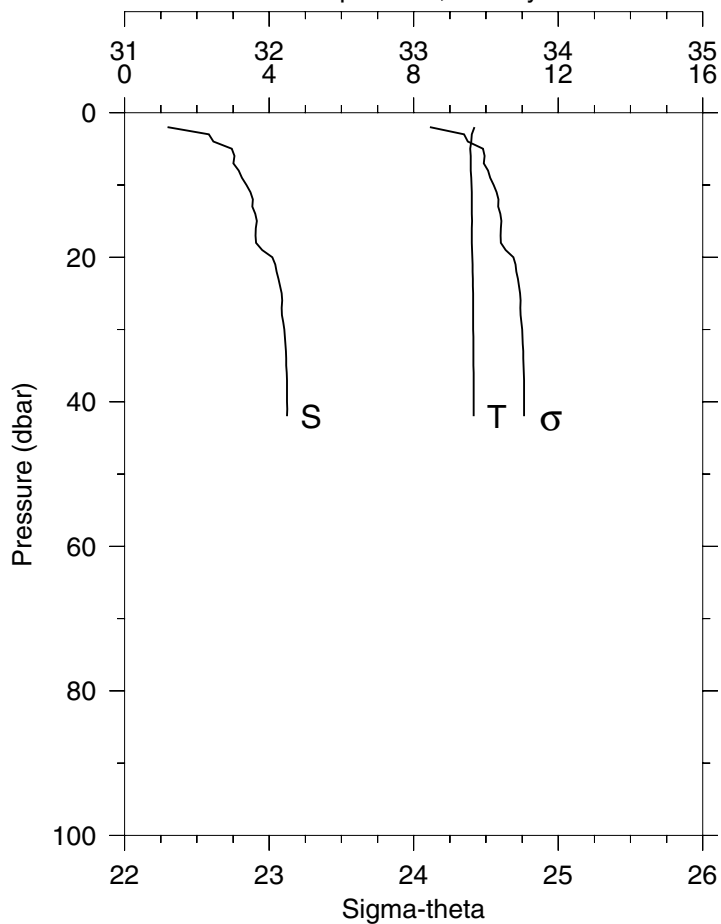
Station 1 NH-1
Temperature, Salinity



STA: 1 NH-1 LAT: 44 39.2 N LONG: 124 6.1 W
19 FEB 2002 2037 GMT DEPTH 29

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	9.59	31.472	9.59	24.265	0.036	1.89	78.3
10	9.54	31.678	9.54	24.433	0.352	3.18	80.3
20	9.53	31.719	9.53	24.468	0.699	3.11	79.9
25	9.52	31.749	9.52	24.493	0.871	2.10	80.8

Station 2 NH-3
Temperature, Salinity



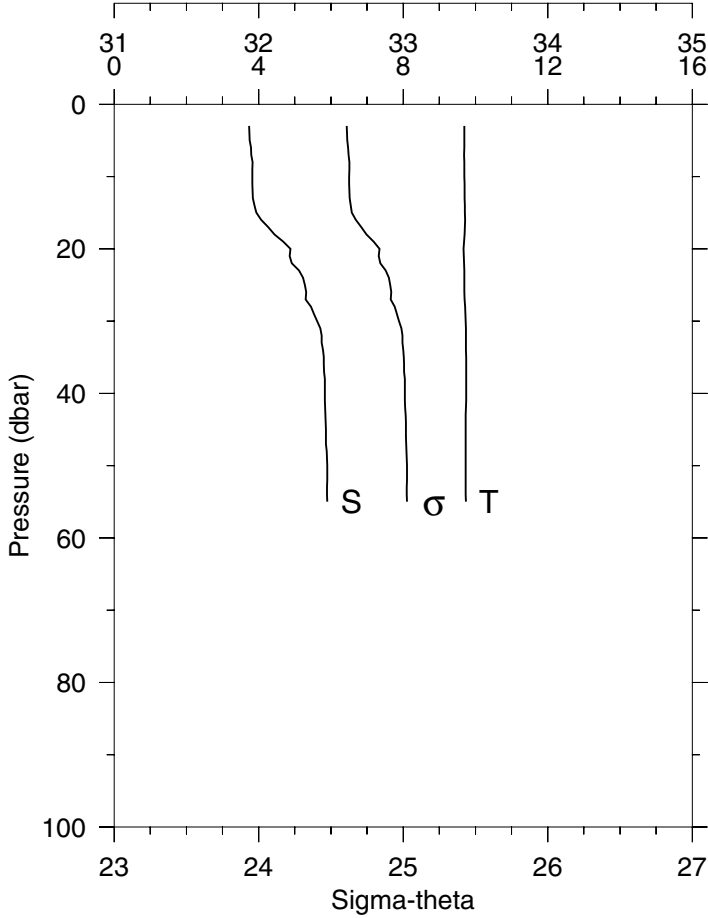
STA: 2 NH-3 LAT: 44 39.2 N LONG: 124 7.9 W
20 FEB 2002 0030 GMT DEPTH 47

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.68	31.296	9.68	24.113	0.076	2.73	78.3
10	9.60	31.843	9.60	24.553	0.354	2.29	81.6
20	9.63	32.021	9.62	24.689	0.687	1.95	83.8
30	9.65	32.105	9.64	24.750	1.008	1.65	84.1
40	9.66	32.124	9.66	24.764	1.327	1.63	84.5
42	9.66	32.124	9.66	24.764	1.390	1.99	84.8

W0202A

Station 3 NH-5
Temperature, Salinity

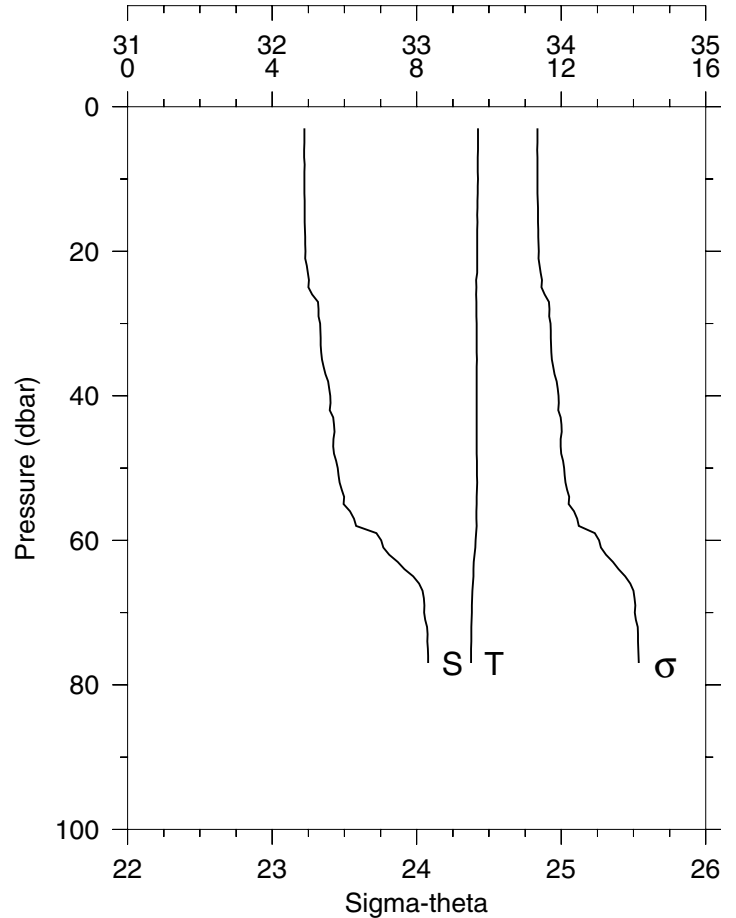
STA: 3 NH-5 LAT: 44 39.1 N LONG: 124 10.7 W
20 FEB 2002 0123 GMT DEPTH 58



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.69	31.934	9.69	24.609	0.100	3.10	83.0
10	9.69	31.955	9.69	24.626	0.331	3.88	83.0
20	9.67	32.219	9.67	24.836	0.657	2.79	84.9
30	9.73	32.404	9.73	24.971	0.962	2.27	86.4
40	9.74	32.457	9.74	25.011	1.257	1.47	86.2
50	9.73	32.474	9.73	25.026	1.551	1.68	85.5
55	9.73	32.475	9.73	25.026	1.698	2.42	86.1

Station 4 NH-10
Temperature, Salinity

STA: 4 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W
20 FEB 2002 0341 GMT DEPTH 81

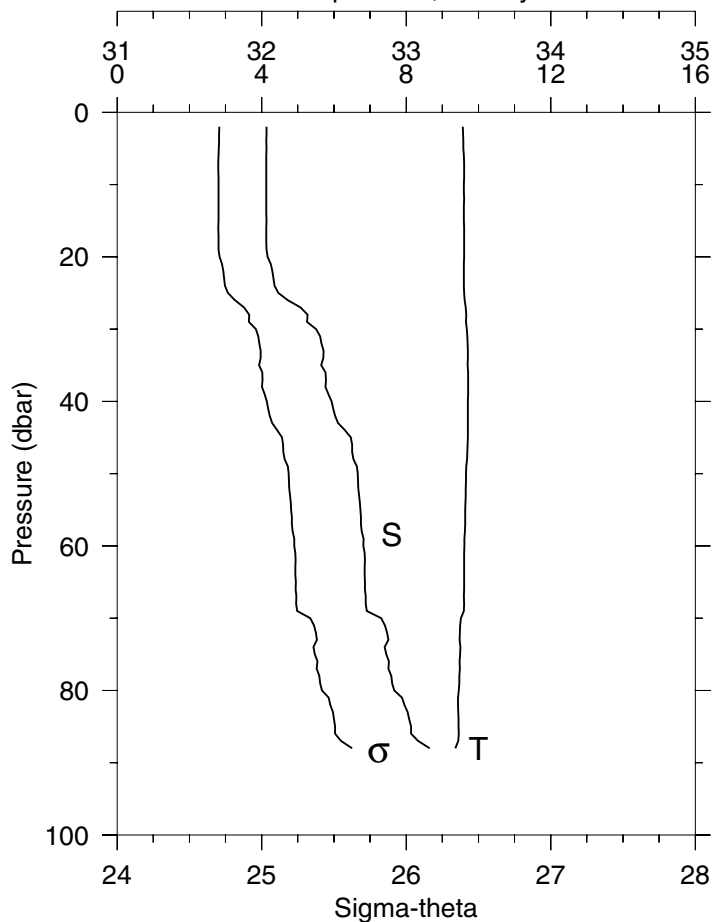


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.70	32.223	9.69	24.835	0.093	2.15	85.5
10	9.69	32.223	9.69	24.835	0.311	2.68	85.5
20	9.67	32.231	9.67	24.845	0.621	2.19	85.6
30	9.66	32.331	9.65	24.926	0.928	1.34	86.6
40	9.66	32.402	9.65	24.981	1.228	1.00	87.0
50	9.67	32.454	9.66	25.020	1.524	1.36	87.1
60	9.63	32.755	9.62	25.261	1.812	1.12	87.2
70	9.53	33.051	9.52	25.509	2.068	0.70	85.5
77	9.50	33.080	9.50	25.536	2.240	0.34	84.1

W0202A

Station 5 NH-15
Temperature, Salinity

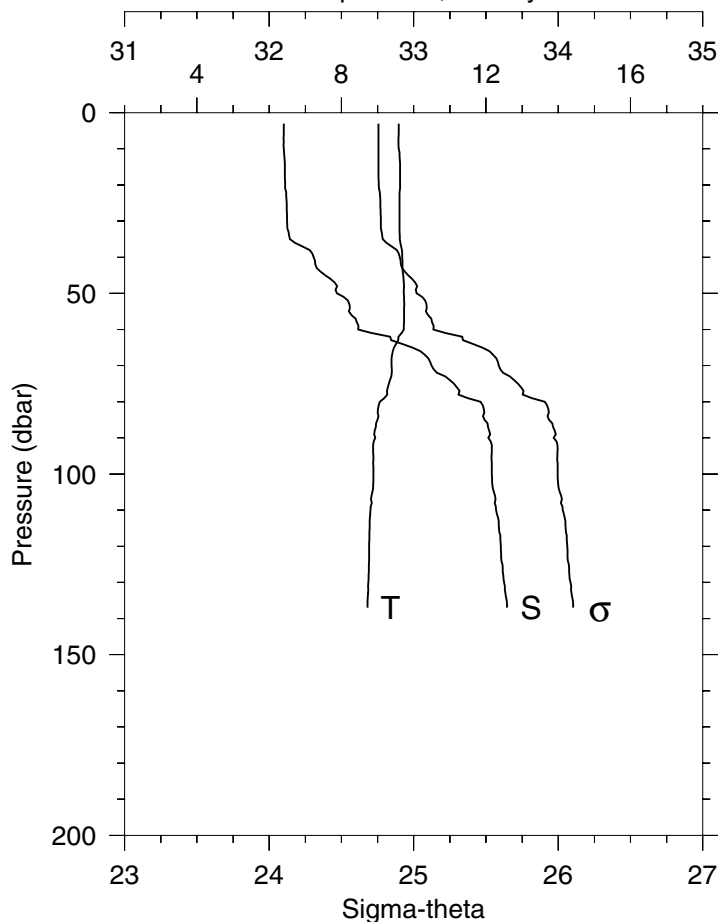
STA: 5 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W
20 FEB 2002 0455 GMT DEPTH 92



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.57	32.033	9.57	24.706	0.065	1.55	85.7
10	9.60	32.032	9.60	24.701	0.323	1.60	85.6
20	9.60	32.041	9.60	24.708	0.647	2.05	85.6
30	9.68	32.377	9.67	24.959	0.960	1.09	89.1
40	9.71	32.483	9.70	25.036	1.256	0.94	88.8
50	9.65	32.664	9.65	25.186	1.541	0.65	87.9
60	9.61	32.704	9.61	25.225	1.817	0.56	88.3
70	9.51	32.826	9.50	25.336	2.090	0.42	87.0
80	9.46	32.918	9.45	25.417	2.350	0.47	84.6
88	9.36	33.163	9.35	25.625	2.549	0.37	85.3

Station 6 NH-20
Temperature, Salinity

STA: 6 NH-20 LAT: 44 39.1 N LONG: 124 31.6 W
20 FEB 2002 0644 GMT DEPTH 140

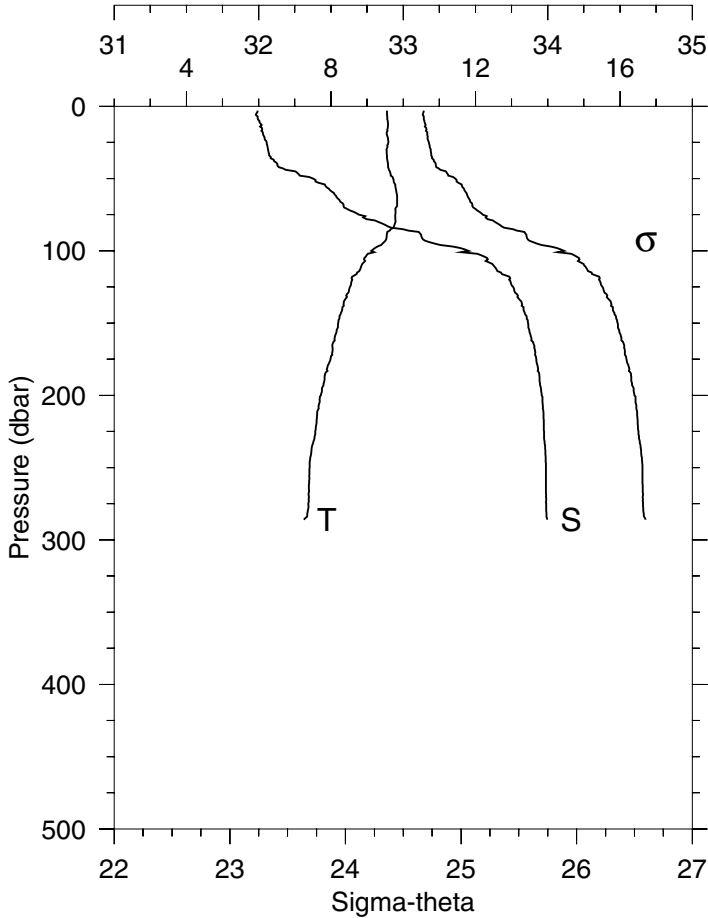


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.59	32.101	9.59	24.757	0.095	1.56	86.6
10	9.58	32.101	9.58	24.757	0.318	1.52	86.7
20	9.62	32.110	9.62	24.758	0.636	1.67	86.7
30	9.61	32.124	9.60	24.772	0.954	1.36	87.1
40	9.68	32.308	9.68	24.903	1.266	0.91	88.2
50	9.73	32.468	9.72	25.021	1.565	0.46	89.1
60	9.72	32.616	9.72	25.137	1.852	0.30	89.2
70	9.39	33.124	9.38	25.589	2.107	0.29	88.5
80	9.06	33.463	9.05	25.907	2.335	0.23	87.6
90	8.94	33.516	8.93	25.968	2.541	0.27	86.2
100	8.88	33.541	8.87	25.996	2.744	0.30	85.4
110	8.80	33.570	8.79	26.032	2.944	0.40	84.3
120	8.77	33.603	8.76	26.062	3.141	0.42	84.0
130	8.74	33.626	8.73	26.085	3.336	0.32	83.8
137	8.72	33.646	8.71	26.104	3.472	0.38	83.4

W0202A

Station 7 NH-25
Temperature, Salinity

STA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W
20 FEB 2002 0804 GMT DEPTH 295

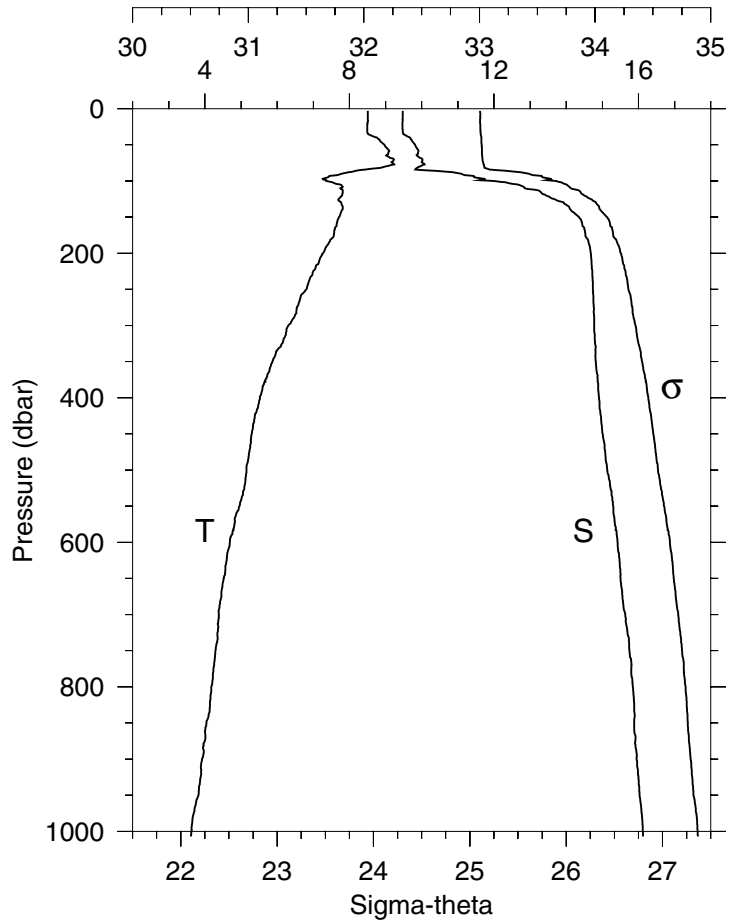


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.55	31.992	9.55	24.677	0.098	0.86	84.2
10	9.57	32.004	9.57	24.683	0.326	0.99	84.1
20	9.55	32.031	9.55	24.708	0.650	1.20	83.8
30	9.54	32.065	9.54	24.737	0.971	1.08	84.2
40	9.58	32.130	9.57	24.782	1.291	0.90	84.8
50	9.72	32.376	9.71	24.951	1.600	0.55	86.2
60	9.81	32.520	9.81	25.048	1.896	0.28	86.5
70	9.80	32.590	9.79	25.105	2.185	0.24	86.6
80	9.79	32.825	9.78	25.291	2.463	0.21	85.8
90	9.54	33.125	9.53	25.566	2.717	0.19	85.0
100	9.12	33.452	9.11	25.890	2.948	0.19	85.1
110	8.85	33.623	8.84	26.065	3.151	0.24	85.2
120	8.59	33.733	8.58	26.192	3.341	0.20	85.0
130	8.44	33.787	8.43	26.257	3.522	0.19	85.1
140	8.31	33.833	8.30	26.313	3.697	0.20	85.3
150	8.20	33.863	8.18	26.354	3.867	0.18	85.6
175	7.99	33.920	7.97	26.430	4.280	0.17	86.0
200	7.72	33.958	7.70	26.499	4.677	0.16	86.3
225	7.57	33.974	7.54	26.534	5.061	0.17	86.5
250	7.41	33.987	7.38	26.568	5.439	0.16	86.5
275	7.38	33.989	7.35	26.574	5.814	0.16	86.6
286	7.25	33.996	7.22	26.597	5.978	0.16	86.3

STA: 8 NH-55 LAT: 44 39.1 N LONG: 125 22.0 W
20 FEB 2002 1622 GMT DEPTH 2867

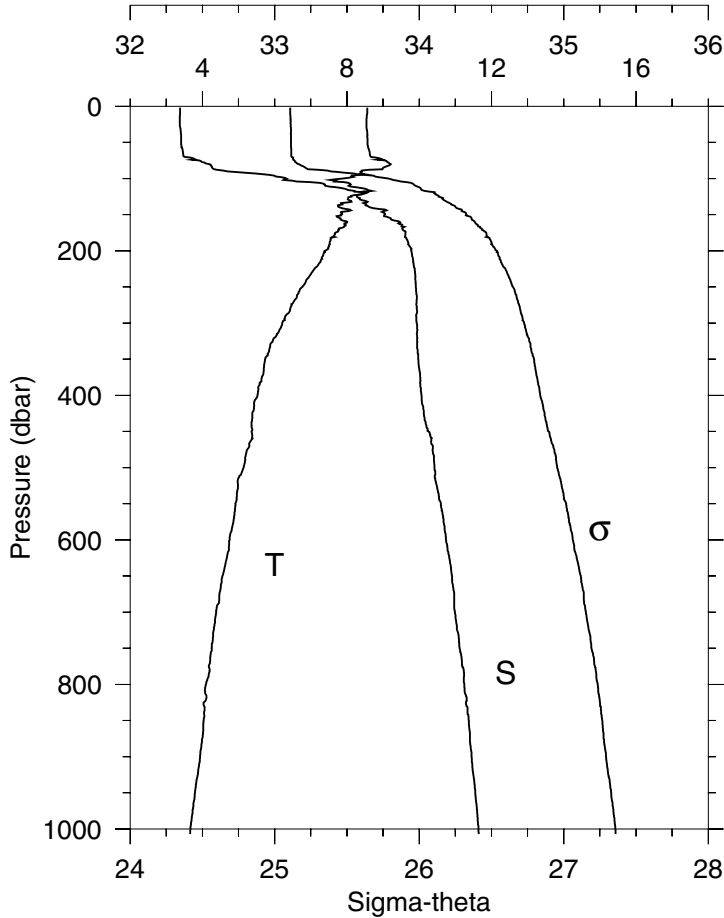
Station 8 NH-55
Temperature, Salinity

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	8.51	32.335	8.51	25.107	0.085	0.35	86.9
10	8.51	32.335	8.51	25.108	0.285	0.36	86.9
20	8.51	32.334	8.50	25.107	0.569	0.41	86.8
30	8.49	32.335	8.49	25.110	0.854	0.45	86.9
40	8.76	32.398	8.76	25.119	1.139	0.40	86.9
50	8.97	32.442	8.96	25.122	1.423	0.41	86.9
60	9.08	32.469	9.08	25.125	1.707	0.40	86.9
70	9.23	32.507	9.22	25.132	1.991	0.41	86.9
80	8.98	32.481	8.98	25.151	2.274	0.34	87.1
90	7.78	32.843	7.77	25.614	2.539	0.17	87.7
100	7.36	33.128	7.35	25.896	2.763	0.16	87.8
110	7.75	33.391	7.74	26.048	2.965	0.15	87.8
120	7.80	33.574	7.79	26.185	3.154	0.15	87.8
130	7.77	33.728	7.76	26.311	3.332	0.15	87.9
140	7.80	33.790	7.79	26.355	3.503	0.15	87.9
150	7.71	33.860	7.70	26.423	3.668	0.15	87.9
175	7.57	33.916	7.55	26.488	4.064	0.15	87.9
200	7.27	33.962	7.25	26.567	4.445	0.15	87.8
225	7.00	33.975	6.98	26.615	4.812	0.15	87.9
250	6.81	33.981	6.79	26.645	5.171	0.15	87.7
275	6.55	33.989	6.52	26.686	5.521	0.16	87.7
300	6.31	33.991	6.28	26.720	5.865	0.15	86.4
350	5.86	34.006	5.84	26.788	6.529	0.15	81.8
400	5.52	34.034	5.49	26.852	7.162	0.15	87.6
450	5.30	34.065	5.26	26.904	7.770	0.16	88.1
500	5.15	34.104	5.11	26.952	8.356	0.15	88.1
600	4.69	34.194	4.64	27.076	9.452	0.15	88.0
800	4.18	34.327	4.12	27.239	11.389	0.16	88.1
1000	3.63	34.412	3.55	27.364	13.091	0.15	87.4
1007	3.61	34.414	3.54	27.366	13.146	0.16	87.3



W0202A

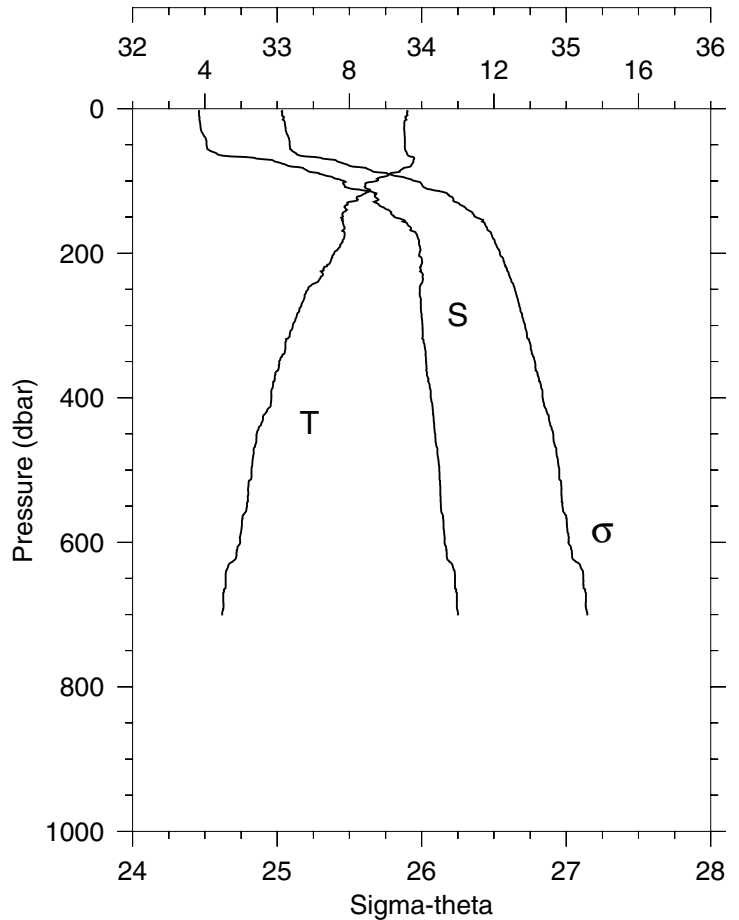
Station 9 NH-65
Temperature, Salinity



STA: 9 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W
20 FEB 2002 1827 GMT DEPTH 2860

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.56	32.345	8.56	25.107	0.057	0.31	7.3
10	8.56	32.346	8.56	25.107	0.285	0.33	0.0
20	8.54	32.344	8.54	25.110	0.569	0.43	0.0
30	8.54	32.347	8.54	25.112	0.854	0.48	33.4
40	8.57	32.352	8.56	25.112	1.139	0.45	45.8
50	8.57	32.353	8.56	25.113	1.424	0.42	43.7
60	8.61	32.361	8.60	25.114	1.709	0.43	50.6
70	8.66	32.378	8.66	25.118	1.993	0.38	52.0
80	9.21	32.548	9.20	25.167	2.277	0.32	52.5
90	8.40	32.672	8.40	25.388	2.550	0.25	54.1
100	7.87	33.082	7.86	25.789	2.789	0.15	85.3
110	8.05	33.351	8.03	25.974	3.000	0.15	85.5
120	8.54	33.611	8.53	26.104	3.199	0.15	85.4
130	8.06	33.605	8.05	26.171	3.388	0.15	85.6
140	7.80	33.661	7.79	26.253	3.569	0.14	85.7
150	7.83	33.760	7.82	26.327	3.743	0.15	85.6
175	7.68	33.904	7.66	26.463	4.155	0.15	85.7
200	7.38	33.946	7.36	26.538	4.545	0.15	85.7
225	7.10	33.969	7.08	26.596	4.919	0.15	85.7
250	6.77	33.976	6.74	26.647	5.280	0.16	85.8
275	6.46	33.980	6.44	26.690	5.630	0.16	84.6
300	6.20	33.982	6.18	26.726	5.972	0.15	85.7
350	5.73	33.993	5.70	26.794	6.632	0.15	85.9
400	5.52	34.015	5.49	26.838	7.267	0.16	85.9
450	5.36	34.063	5.32	26.895	7.881	0.15	85.9
500	5.14	34.106	5.10	26.955	8.467	0.15	85.9
600	4.75	34.185	4.70	27.063	9.566	0.16	85.9
800	4.10	34.312	4.04	27.235	11.514	0.16	84.6
1000	3.67	34.409	3.59	27.357	13.216	0.15	84.5
1007	3.66	34.411	3.59	27.359	13.272	0.15	84.6

Station 10 NH-45
Temperature, Salinity

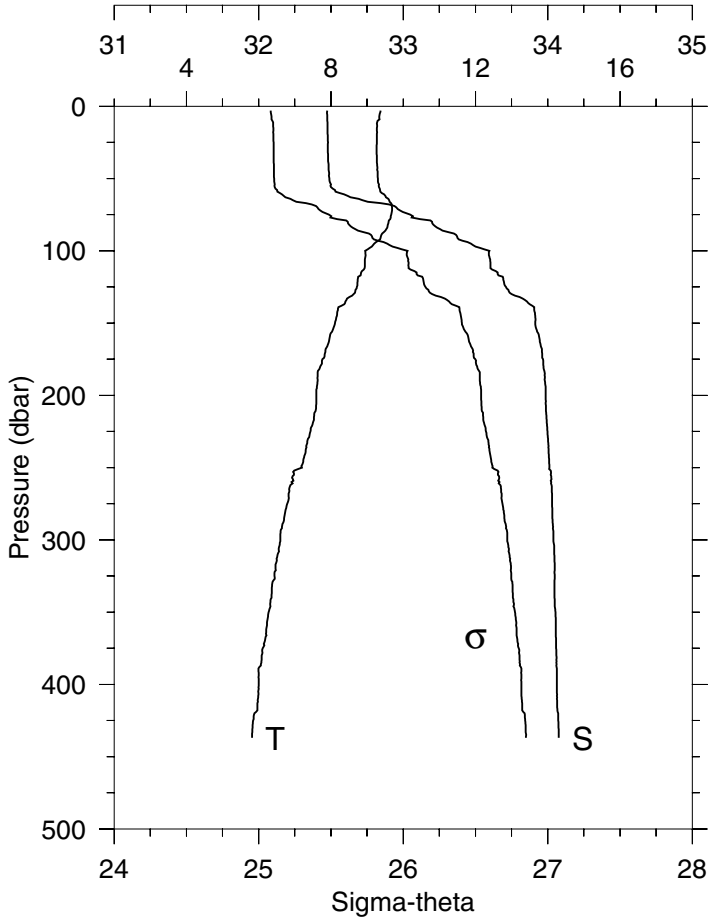


STA: 10 NH-45 LAT: 44 39.2 N LONG: 125 7.1 W
20 FEB 2002 2118 GMT DEPTH 701

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.61	32.459	9.60	25.033	0.058	0.74	83.9
10	9.59	32.459	9.58	25.037	0.292	1.09	83.9
20	9.52	32.467	9.52	25.053	0.582	1.72	84.0
30	9.52	32.473	9.52	25.059	0.872	0.91	84.5
40	9.53	32.503	9.53	25.080	1.161	1.21	84.8
50	9.53	32.511	9.53	25.086	1.449	0.74	85.1
60	9.57	32.556	9.57	25.115	1.736	0.61	85.6
70	9.78	32.917	9.77	25.363	2.013	0.20	86.7
80	9.69	33.100	9.68	25.522	2.266	0.18	86.8
90	9.12	33.290	9.11	25.761	2.501	0.17	87.0
100	8.76	33.462	8.75	25.953	2.715	0.17	87.1
110	8.45	33.498	8.44	26.028	2.917	0.16	87.2
120	8.34	33.677	8.33	26.186	3.107	0.16	87.2
130	7.94	33.678	7.93	26.247	3.288	0.15	87.3
140	7.93	33.769	7.92	26.319	3.463	0.16	87.4
150	7.80	33.812	7.79	26.372	3.632	0.15	87.4
175	7.87	33.967	7.85	26.485	4.033	0.16	87.4
200	7.58	33.985	7.56	26.541	4.418	0.16	87.4
225	7.21	33.988	7.19	26.596	4.791	0.16	87.5
250	6.85	33.986	6.83	26.643	5.153	0.16	87.5
275	6.64	33.995	6.62	26.679	5.505	0.16	87.6
300	6.43	34.006	6.41	26.715	5.850	0.16	87.6
350	6.05	34.031	6.02	26.784	6.517	0.16	87.6
400	5.84	34.063	5.80	26.837	7.155	0.16	87.5
450	5.43	34.093	5.39	26.910	7.767	0.16	87.5
500	5.29	34.122	5.25	26.951	8.353	0.16	87.5
600	4.98	34.157	4.93	27.015	9.482	0.15	87.4
701	4.47	34.251	4.42	27.146	10.515	0.16	87.0

W0202A

Station 11 NH-35
Temperature, Salinity

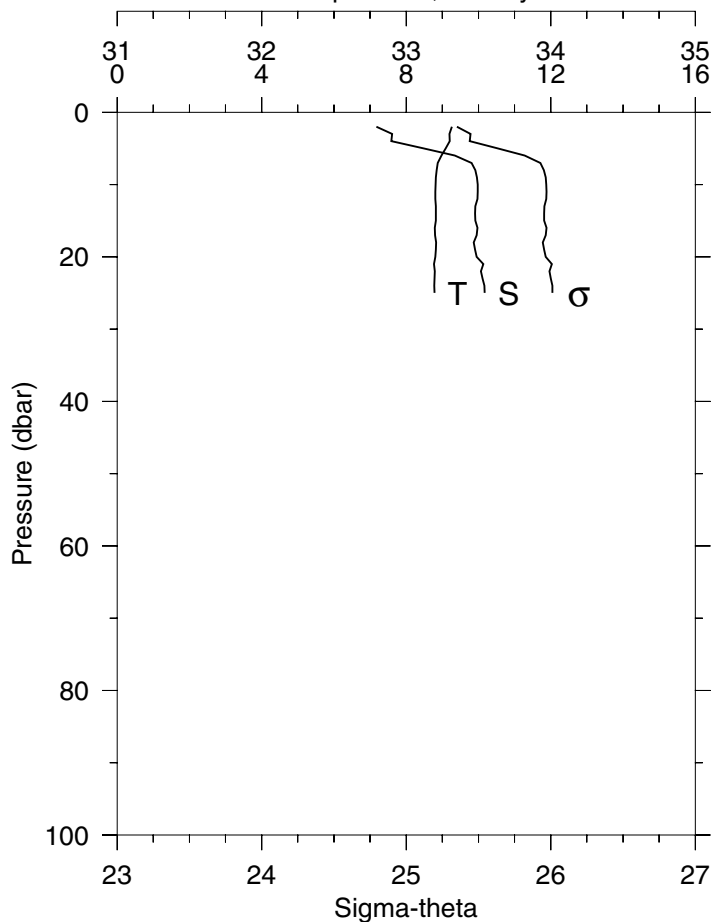


STA: 11 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W
20 FEB 2002 2309 GMT DEPTH 439

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
3	9.37	32.474	9.37	25.083	0.086	0.65	85.50
10	9.29	32.474	9.29	25.095	0.287	0.99	85.50
20	9.27	32.478	9.27	25.102	0.572	0.80	85.60
30	9.27	32.478	9.26	25.103	0.858	0.73	85.70
40	9.28	32.483	9.27	25.105	1.143	0.49	86.00
50	9.30	32.489	9.29	25.107	1.429	0.65	86.20
60	9.40	32.559	9.40	25.145	1.714	0.67	86.30
70	9.69	32.952	9.68	25.406	1.985	0.35	86.50
80	9.59	33.200	9.58	25.616	2.235	0.21	86.60
90	9.38	33.373	9.37	25.785	2.466	0.17	86.60
100	8.95	33.596	8.94	26.029	2.679	0.16	86.70
110	8.94	33.603	8.93	26.036	2.877	0.17	86.70
120	8.74	33.693	8.73	26.138	3.071	0.16	86.80
130	8.63	33.749	8.62	26.199	3.258	0.16	86.90
140	8.19	33.907	8.18	26.389	3.431	0.17	86.70
150	8.11	33.913	8.10	26.406	3.596	0.17	86.30
175	7.77	33.967	7.75	26.499	3.994	0.16	86.20
200	7.60	33.986	7.58	26.539	4.377	0.16	86.10
225	7.43	33.998	7.41	26.573	4.754	0.16	85.90
250	7.19	34.011	7.17	26.616	5.122	0.16	86.00
275	6.79	34.030	6.76	26.687	5.473	0.16	86.90
300	6.59	34.039	6.57	26.720	5.815	0.16	86.90
350	6.28	34.053	6.24	26.773	6.483	0.15	86.50
400	6.00	34.063	5.97	26.817	7.129	0.16	87.00
437	5.82	34.075	5.78	26.849	7.597	0.16	86.00

W0204A

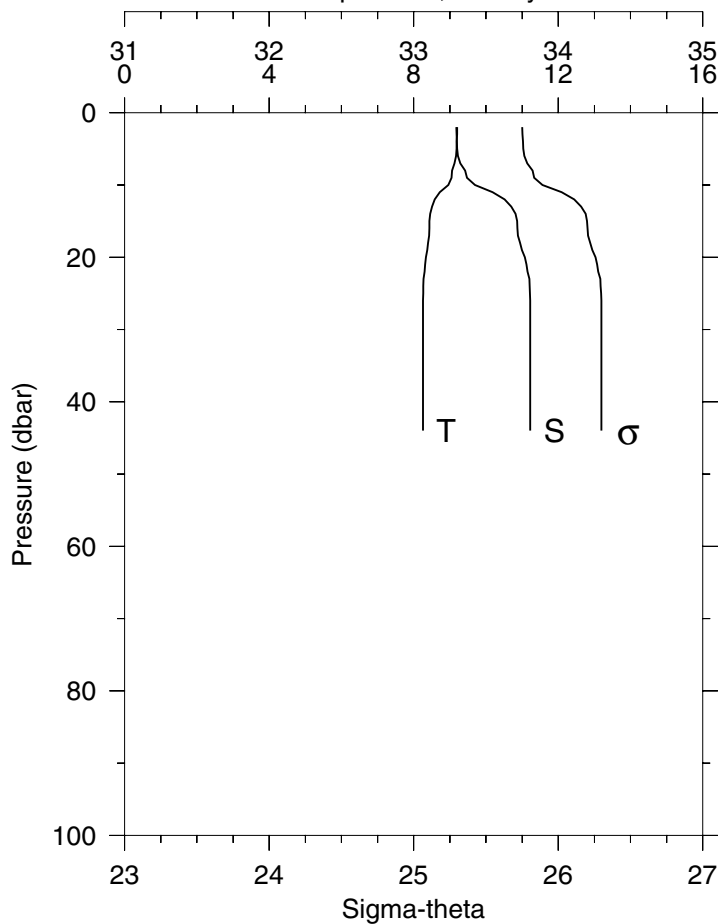
Station 1 NH-1
Temperature, Salinity



STA: 1 NH-1 LAT: 44 39.1 N LONG: 124 6.2 W
04 APR 2002 2320 GMT DEPTH 29

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.26	32.794	9.26	25.351	0.052	0.49	76.4
10	8.81	33.494	8.81	25.969	0.233	0.50	79.5
20	8.81	33.487	8.81	25.965	0.436	0.45	79.3
25	8.78	33.542	8.78	26.011	0.536	0.47	79.3

Station 2 NH-3
Temperature, Salinity



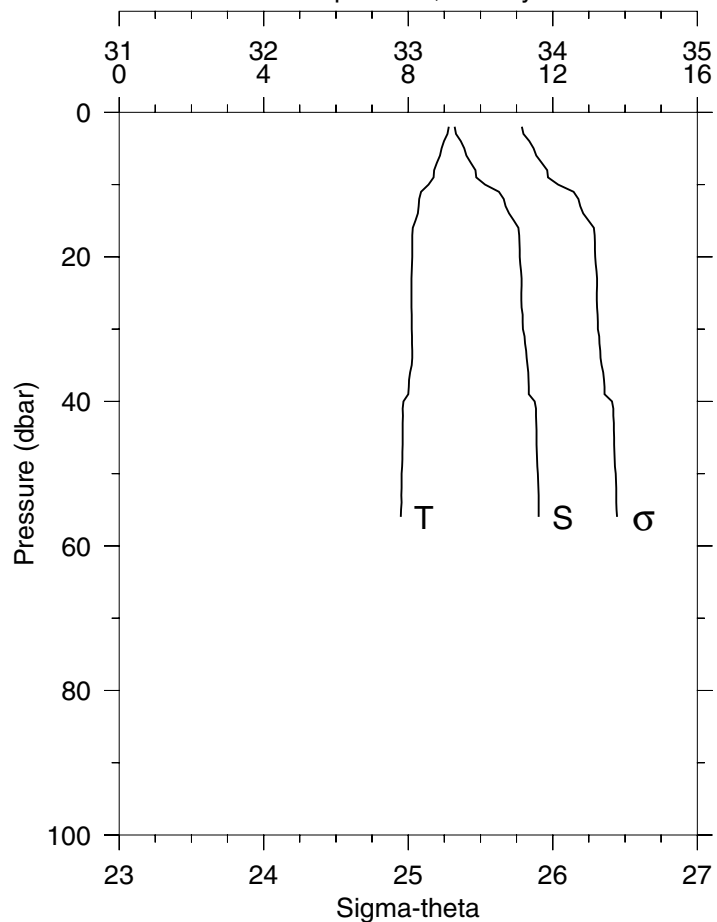
STA: 2 NH-3 LAT: 44 39.1 N LONG: 124 7.9 W
04 APR 2002 2359 GMT DEPTH 48

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.20	33.295	9.20	25.751	0.045	1.00	78.7
10	8.96	33.425	8.96	25.891	0.221	0.99	79.1
20	8.34	33.769	8.33	26.258	0.405	0.29	81.5
30	8.26	33.807	8.26	26.299	0.578	0.26	78.8
40	8.26	33.807	8.26	26.299	0.750	0.25	78.6
44	8.26	33.807	8.26	26.299	0.819	0.25	77.7

W0204A

Station 3 NH-5
Temperature, Salinity

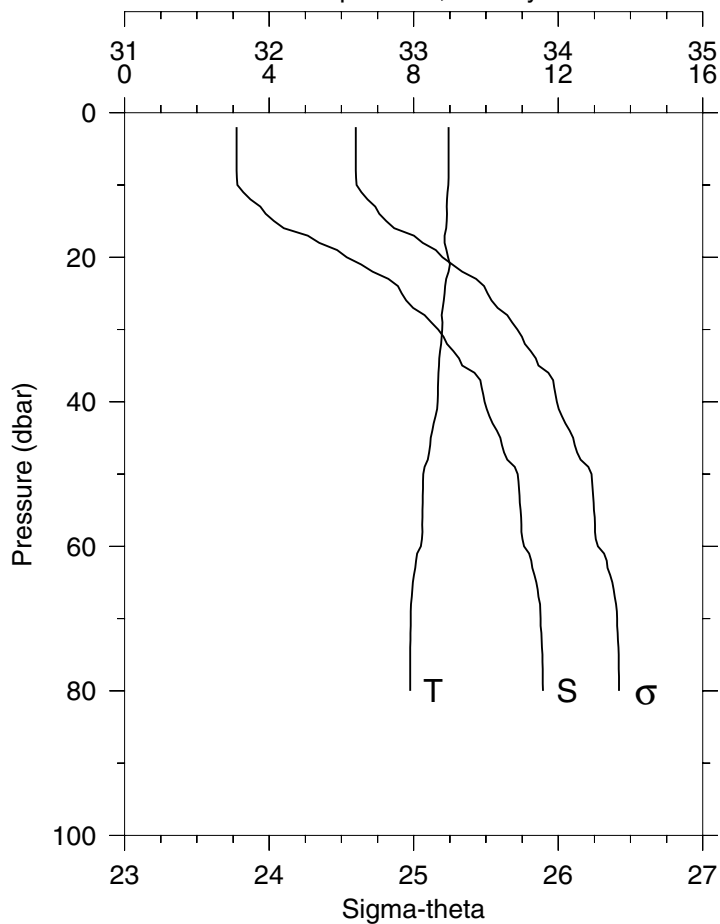
STA: 3 NH-5 LAT: 44 39.1 N LONG: 124 10.7 W
05 APR 2002 0053 GMT DEPTH 59



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.12	33.322	9.12	25.786	0.044	1.67	73.2
10	8.56	33.531	8.56	26.037	0.212	1.34	74.2
20	8.11	33.772	8.11	26.294	0.390	0.49	77.9
30	8.10	33.793	8.10	26.312	0.561	0.46	79.9
40	7.87	33.874	7.87	26.410	0.729	0.28	81.5
50	7.82	33.896	7.82	26.435	0.889	0.24	81.2
56	7.79	33.903	7.79	26.444	0.985	0.20	78.9

Station 4 NH-10
Temperature, Salinity

STA: 4 NH-10 LAT: 44 39.0 N LONG: 124 17.8 W
05 APR 2002 0240 GMT DEPTH 83

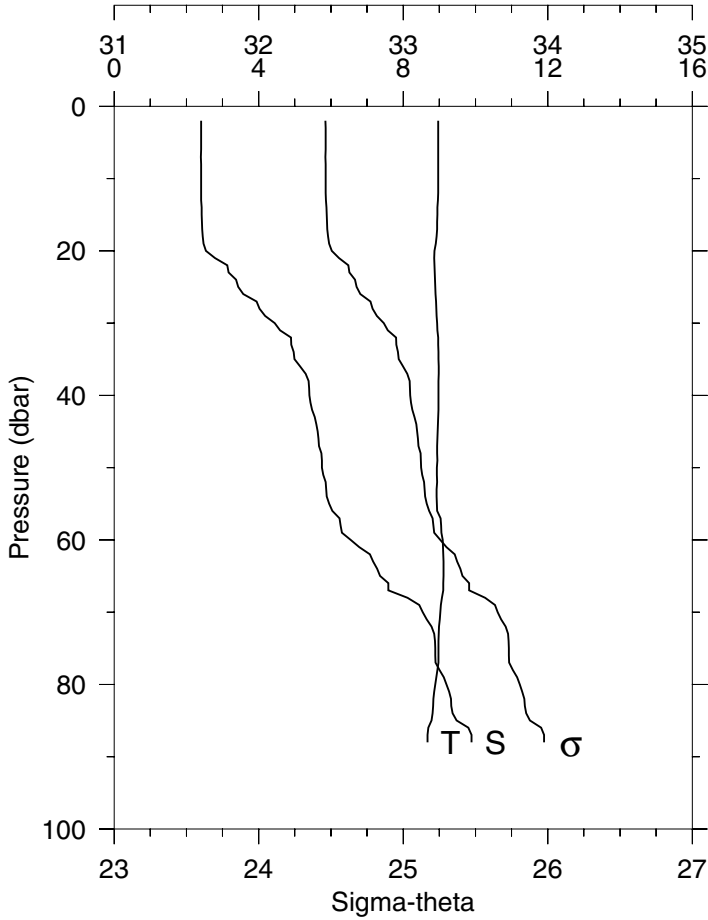


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.96	31.775	8.96	24.600	0.067	0.52	86.2
10	8.96	31.781	8.96	24.605	0.333	0.54	86.2
20	8.95	32.537	8.95	25.199	0.641	0.34	86.1
30	8.79	33.169	8.79	25.718	0.889	0.21	86.3
40	8.66	33.491	8.66	25.990	1.102	0.19	86.1
50	8.26	33.720	8.26	26.230	1.293	0.18	85.6
60	8.20	33.763	8.19	26.274	1.470	0.17	86.4
70	7.92	33.879	7.91	26.407	1.636	0.17	86.0
80	7.90	33.894	7.90	26.421	1.798	0.17	86.0

W0204A

Station 5 NH-15
Temperature, Salinity

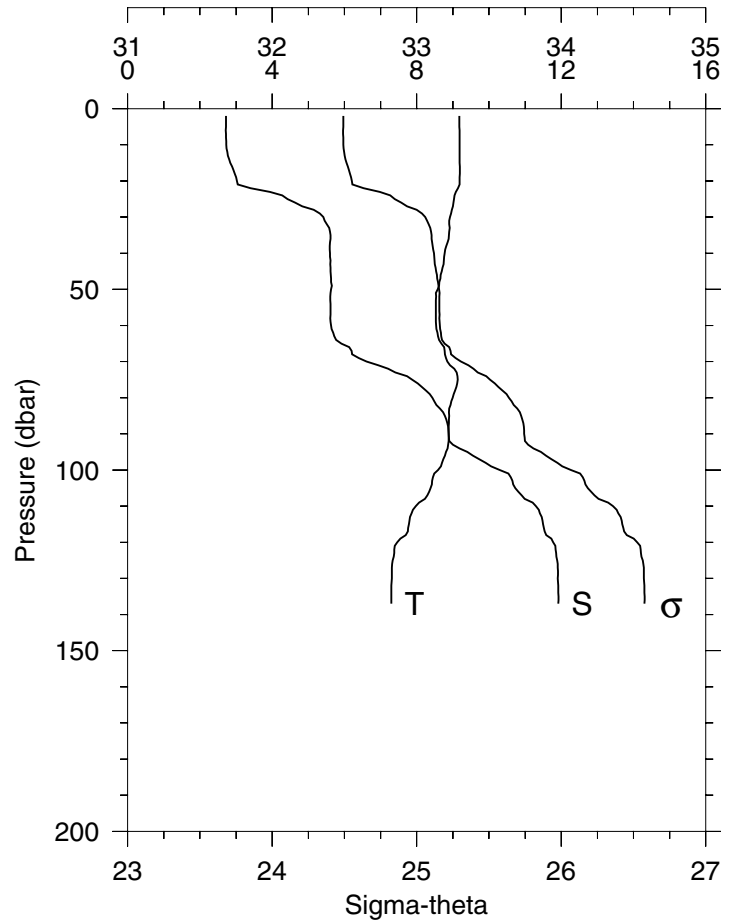
STA: 5 NH-15 LAT: 44 39.0 N LONG: 124 24.8 W
05 APR 2002 0351 GMT DEPTH 92



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.97	31.601	8.97	24.462	0.069	0.60	85.6
10	8.97	31.602	8.97	24.463	0.346	0.74	85.6
20	8.86	31.634	8.86	24.505	0.691	0.73	85.2
30	8.94	32.110	8.94	24.866	1.016	0.57	86.4
40	8.98	32.351	8.97	25.049	1.313	0.61	87.2
50	8.93	32.438	8.92	25.124	1.600	0.37	88.0
60	9.09	32.637	9.09	25.256	1.879	0.28	88.1
70	9.03	33.134	9.02	25.654	2.133	0.22	87.8
80	8.89	33.300	8.88	25.807	2.360	0.18	88.0
88	8.67	33.473	8.66	25.975	2.530	0.18	86.9

Station 6 NH-20
Temperature, Salinity

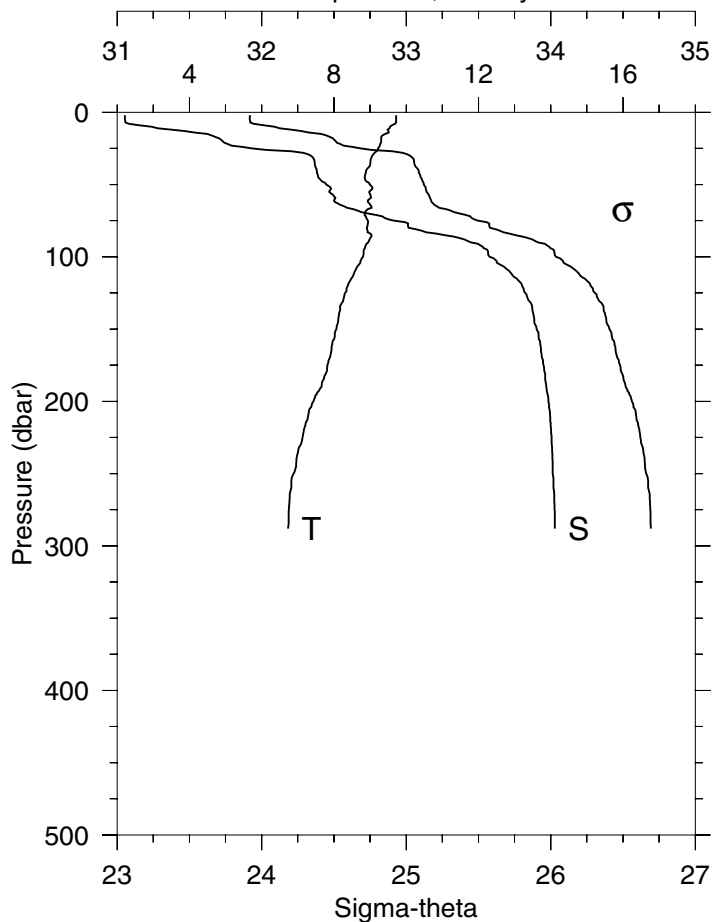
STA: 6 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W
05 APR 2002 0547 GMT DEPTH 143



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.18	31.681	9.18	24.493	0.069	1.90	80.5
10	9.19	31.683	9.19	24.493	0.343	2.21	79.6
20	9.19	31.757	9.19	24.551	0.684	2.53	78.6
30	8.92	32.354	8.92	25.059	0.996	0.82	86.7
40	8.77	32.400	8.77	25.119	1.282	0.54	87.7
50	8.58	32.407	8.58	25.154	1.565	0.40	88.5
60	8.54	32.407	8.53	25.160	1.845	0.31	88.8
70	8.85	32.653	8.84	25.306	2.122	0.22	89.0
80	9.00	33.108	8.99	25.638	2.371	0.17	88.4
90	8.89	33.221	8.88	25.744	2.599	0.17	88.2
100	8.59	33.576	8.58	26.069	2.814	0.17	86.9
110	7.97	33.825	7.96	26.357	2.996	0.17	85.4
120	7.46	33.945	7.45	26.525	3.157	0.17	85.0
130	7.32	33.976	7.30	26.571	3.306	0.17	84.8
137	7.30	33.980	7.28	26.576	3.409	0.17	84.9

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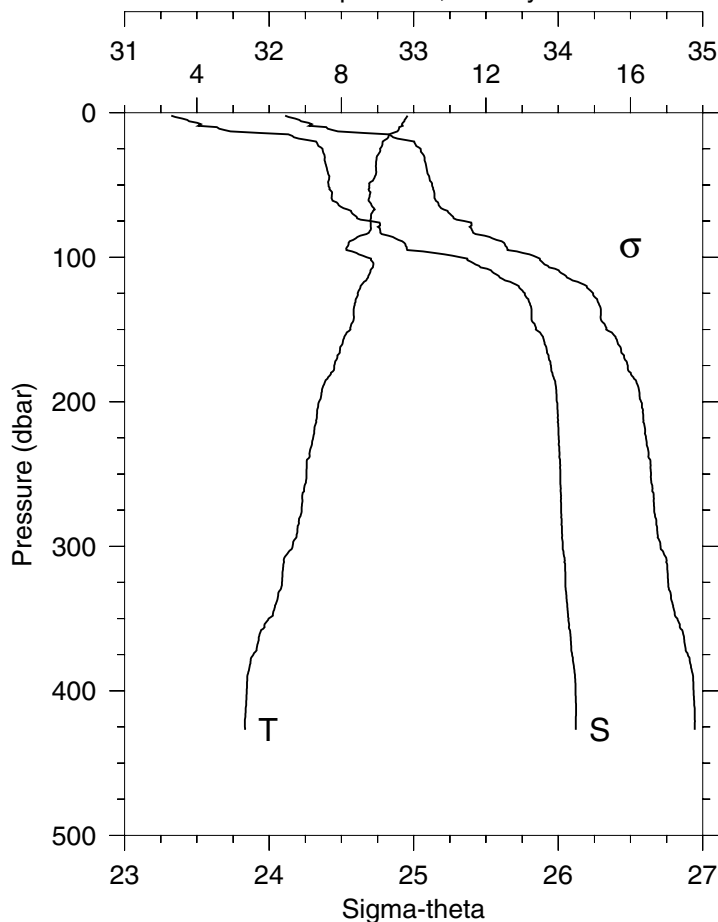
Station 7 NH-25
Temperature, Salinity



STA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W
05 APR 2002 0702 GMT DEPTH 295

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.72	31.052	9.72	23.916	0.080	1.22	78.8
10	9.55	31.239	9.55	24.089	0.396	1.13	79.9
20	9.30	31.729	9.30	24.511	0.752	3.84	75.2
30	9.06	32.338	9.06	25.025	1.073	0.54	87.6
40	8.89	32.381	8.89	25.085	1.363	0.46	88.0
50	8.99	32.447	8.98	25.122	1.648	0.36	88.3
60	8.98	32.506	8.98	25.169	1.930	0.23	88.4
70	8.85	32.731	8.85	25.366	2.204	0.19	88.7
80	8.91	33.016	8.90	25.580	2.452	0.17	88.8
90	8.95	33.449	8.94	25.914	2.677	0.16	88.6
100	8.80	33.578	8.79	26.038	2.878	0.17	88.5
110	8.58	33.714	8.57	26.179	3.069	0.16	88.5
120	8.39	33.801	8.38	26.276	3.249	0.16	88.4
130	8.26	33.846	8.25	26.331	3.422	0.16	88.3
140	8.14	33.881	8.12	26.377	3.590	0.16	88.2
150	8.06	33.903	8.05	26.406	3.756	0.16	88.0
175	7.82	33.951	7.80	26.480	4.157	0.16	88.2
200	7.43	33.984	7.41	26.561	4.541	0.17	87.6
225	7.13	34.005	7.11	26.620	4.908	0.16	87.9
250	6.88	34.014	6.86	26.661	5.264	0.16	88.6
275	6.75	34.026	6.72	26.689	5.612	0.16	88.5
288	6.73	34.027	6.71	26.692	5.792	0.16	88.5

Station 8 NH-35
Temperature, Salinity



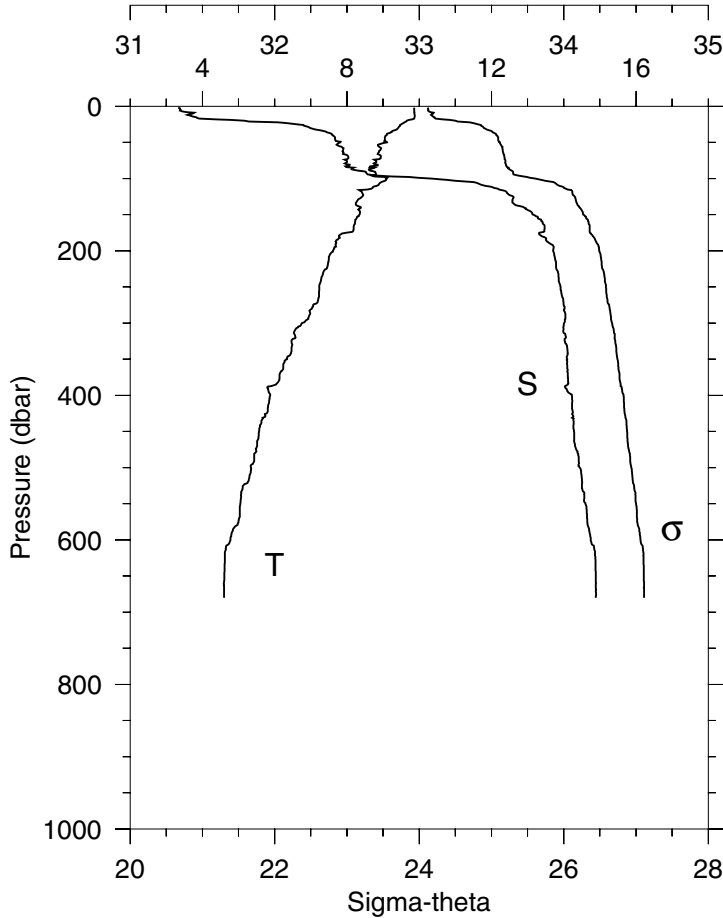
STA: 8 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W
05 APR 2002 1017 GMT DEPTH 437

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.83	31.323	9.83	24.111	0.076	1.76	74.4
10	9.60	31.639	9.60	24.394	0.370	3.38	72.4
20	9.14	32.325	9.14	25.003	0.694	1.02	85.2
30	8.99	32.383	8.99	25.072	0.985	0.55	87.5
40	8.96	32.402	8.95	25.092	1.273	0.43	88.2
50	8.77	32.411	8.77	25.128	1.558	0.43	88.3
60	8.75	32.435	8.75	25.149	1.840	0.32	88.7
70	8.83	32.578	8.82	25.251	2.118	0.21	89.1
80	8.82	32.765	8.81	25.398	2.382	0.19	89.0
90	8.20	32.935	8.19	25.625	2.632	0.17	89.2
100	8.70	33.322	8.69	25.853	2.861	0.16	89.1
110	8.80	33.542	8.79	26.010	3.070	0.17	88.7
120	8.53	33.727	8.51	26.197	3.264	0.16	88.6
130	8.39	33.795	8.38	26.271	3.443	0.16	88.6
140	8.34	33.816	8.32	26.296	3.618	0.16	88.6
150	8.25	33.845	8.24	26.332	3.791	0.16	88.6
175	7.80	33.950	7.79	26.481	4.196	0.16	89.1
200	7.38	33.991	7.36	26.574	4.577	0.16	89.1
225	7.22	34.004	7.20	26.607	4.944	0.15	89.1
250	7.03	34.015	7.01	26.642	5.304	0.16	88.9
275	6.90	34.021	6.88	26.664	5.659	0.16	88.8
300	6.65	34.032	6.62	26.708	6.007	0.16	88.6
350	5.99	34.071	5.95	26.824	6.665	0.16	88.1
400	5.38	34.119	5.35	26.937	7.263	0.16	89.1
427	5.33	34.121	5.30	26.944	7.575	0.15	82.6

W0204A

Station 9 NH-45
Temperature, Salinity

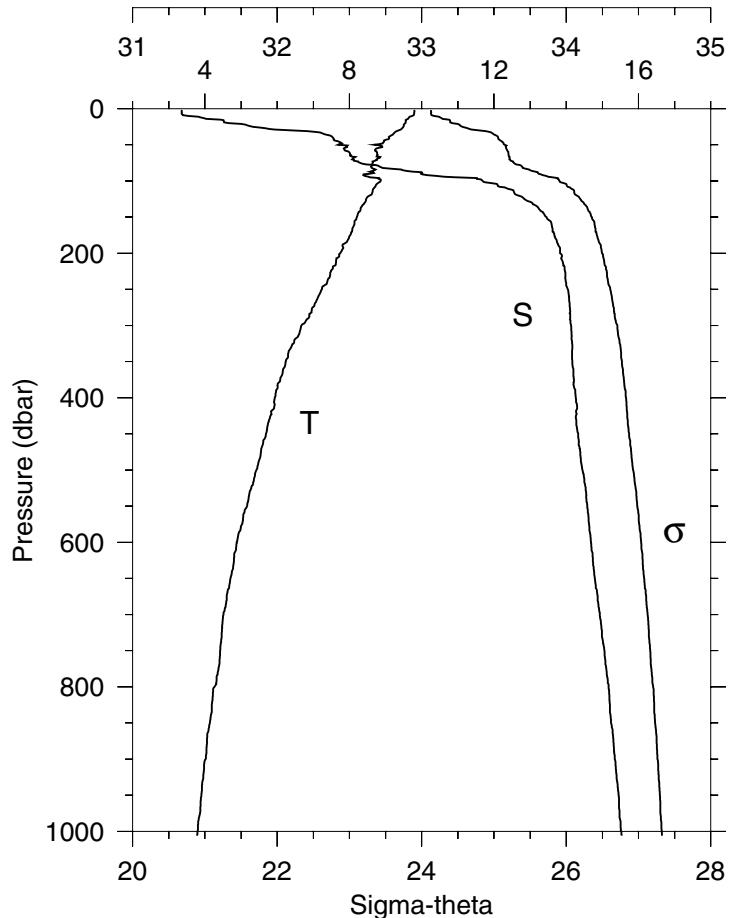
STA: 9 NH-45 LAT: 44 39.1 N LONG: 125 7.1 W
05 APR 2002 1347 GMT DEPTH 702



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.86	31.333	9.86	24.113	0.076	0.80	82.9
10	9.87	31.434	9.87	24.191	0.377	1.01	82.1
20	9.65	31.791	9.65	24.504	0.744	1.43	80.9
30	9.42	32.244	9.42	24.895	1.061	1.85	81.7
40	9.10	32.398	9.09	25.067	1.357	0.60	87.0
50	9.11	32.454	9.10	25.109	1.644	0.93	87.3
60	8.93	32.475	8.92	25.154	1.926	0.59	87.5
70	8.94	32.510	8.93	25.179	2.206	0.45	88.3
80	8.76	32.498	8.75	25.198	2.485	0.34	88.8
90	8.74	32.621	8.73	25.297	2.759	0.22	89.1
100	9.08	33.087	9.07	25.610	3.019	0.18	88.9
110	8.83	33.456	8.82	25.939	3.239	0.18	88.8
120	8.42	33.607	8.41	26.119	3.435	0.16	89.1
130	8.29	33.645	8.28	26.168	3.623	0.16	89.1
140	8.38	33.723	8.37	26.216	3.808	0.16	89.1
150	8.35	33.786	8.33	26.271	3.986	0.16	89.0
175	7.98	33.831	7.96	26.362	4.412	0.16	89.2
200	7.61	33.927	7.59	26.491	4.814	0.15	89.5
225	7.42	33.949	7.40	26.535	5.199	0.15	89.6
250	7.23	33.978	7.21	26.585	5.574	0.16	89.5
275	7.07	34.001	7.04	26.626	5.942	0.15	89.6
300	6.75	34.002	6.72	26.670	6.300	0.16	89.6
350	6.34	34.025	6.31	26.743	6.985	0.16	89.6
400	5.87	34.056	5.84	26.827	7.641	0.15	89.7
450	5.57	34.071	5.53	26.876	8.264	0.15	89.7
500	5.35	34.111	5.31	26.935	8.864	0.15	89.8
600	4.77	34.187	4.73	27.062	9.978	0.15	89.9
680	4.60	34.222	4.55	27.110	10.794	0.15	89.8

Station 10 NH-55
Temperature, Salinity

STA: 10 NH-55 LAT: 44 39.1 N LONG: 125 22.0 W
05 APR 2002 1808 GMT DEPTH 2866

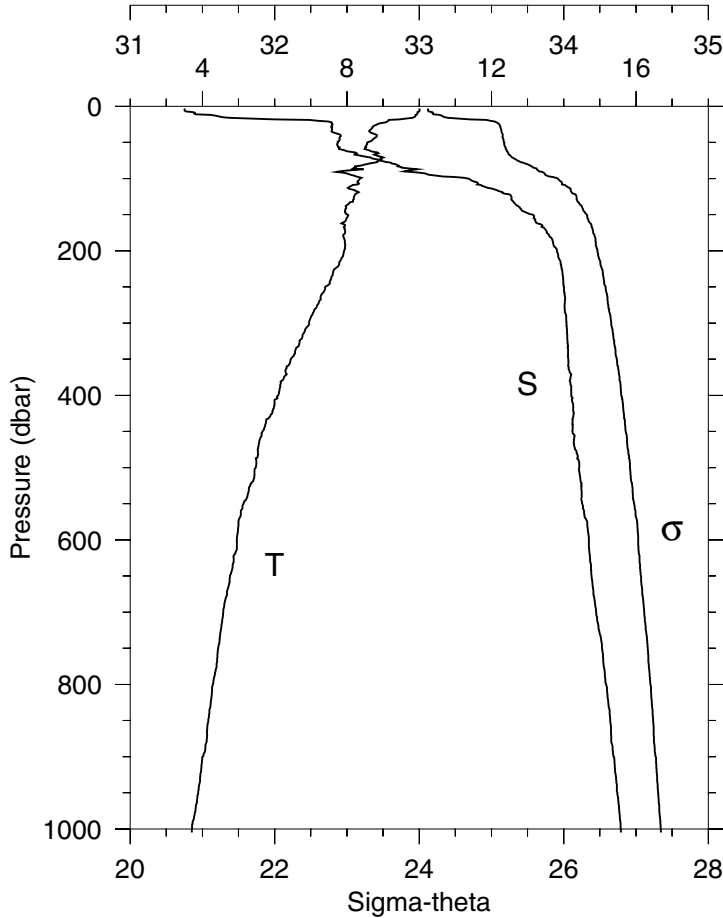


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.79	31.342	9.79	24.132	0.075	0.81	82.6
10	9.74	31.383	9.74	24.171	0.377	0.81	82.4
20	9.55	31.664	9.55	24.422	0.736	1.60	80.3
30	9.37	32.092	9.36	24.785	1.071	0.80	84.8
40	9.10	32.385	9.09	25.057	1.368	0.47	87.5
50	8.69	32.423	8.69	25.149	1.654	0.54	87.6
60	8.76	32.497	8.75	25.198	1.934	0.33	88.7
70	8.75	32.518	8.74	25.215	2.210	0.25	88.9
80	8.60	32.709	8.59	25.388	2.478	0.19	88.8
90	8.55	32.996	8.54	25.620	2.727	0.17	89.0
100	8.86	33.422	8.85	25.907	2.948	0.16	89.1
110	8.68	33.587	8.66	26.064	3.151	0.16	89.1
120	8.57	33.665	8.56	26.142	3.342	0.16	89.0
130	8.43	33.762	8.41	26.240	3.526	0.15	89.1
140	8.31	33.817	8.29	26.301	3.702	0.15	89.1
150	8.20	33.863	8.19	26.353	3.873	0.16	89.1
175	8.02	33.918	8.00	26.424	4.286	0.15	89.1
200	7.75	33.958	7.73	26.496	4.683	0.15	89.2
225	7.49	33.992	7.47	26.560	5.066	0.16	89.4
250	7.24	34.011	7.22	26.610	5.438	0.15	89.4
275	6.98	34.025	6.96	26.656	5.797	0.15	89.4
300	6.67	34.034	6.64	26.707	6.147	0.16	89.5
350	6.24	34.043	6.21	26.770	6.819	0.16	89.6
400	5.94	34.067	5.90	26.828	7.464	0.15	89.5
450	5.69	34.083	5.65	26.871	8.089	0.16	89.7
500	5.43	34.113	5.39	26.927	8.692	0.15	89.8
600	4.88	34.172	4.83	27.038	9.819	0.15	89.9
800	4.26	34.293	4.20	27.203	11.835	0.16	89.8
1000	3.80	34.380	3.72	27.321	13.600	0.15	89.9
1006	3.78	34.384	3.70	27.327	13.650	0.15	89.9

W0204A

Station 11 NH-65
Temperature, Salinity

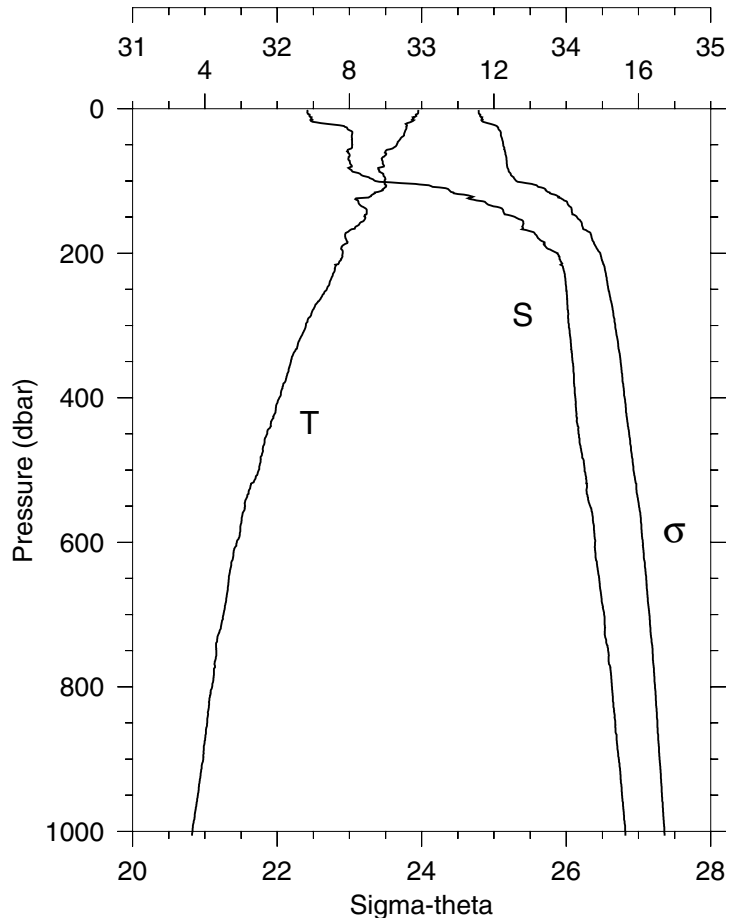
STA: 11 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W
05 APR 2002 2009 GMT DEPTH 2857



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.01	31.377	10.01	24.124	0.113	0.86	80.6
10	9.95	31.442	9.94	24.184	0.377	1.17	80.5
20	9.14	32.293	9.14	24.978	0.723	1.21	84.5
30	8.70	32.394	8.70	25.125	1.009	0.77	86.7
40	8.83	32.456	8.83	25.154	1.292	0.64	87.5
50	8.57	32.437	8.56	25.179	1.572	0.34	88.7
60	8.54	32.461	8.54	25.202	1.850	0.27	88.8
70	8.97	32.642	8.96	25.278	2.123	0.19	89.0
80	8.54	32.834	8.53	25.494	2.384	0.17	89.2
90	7.79	32.899	7.78	25.656	2.625	0.16	89.3
100	8.36	33.339	8.35	25.918	2.848	0.16	89.2
110	8.13	33.432	8.12	26.025	3.052	0.15	89.2
120	8.29	33.576	8.28	26.115	3.246	0.15	89.2
130	8.16	33.640	8.15	26.184	3.432	0.14	89.3
140	7.98	33.696	7.97	26.255	3.613	0.15	89.4
150	8.02	33.783	8.01	26.317	3.789	0.15	89.4
175	7.95	33.882	7.93	26.407	4.208	0.15	89.4
200	7.92	33.953	7.90	26.466	4.611	0.15	89.1
225	7.66	33.986	7.64	26.530	5.002	0.15	89.4
250	7.40	34.001	7.38	26.580	5.381	0.15	89.4
275	7.18	34.006	7.16	26.615	5.749	0.15	89.6
300	6.95	34.019	6.93	26.656	6.108	0.15	89.6
350	6.44	34.032	6.41	26.735	6.802	0.15	89.6
400	6.09	34.052	6.06	26.796	7.462	0.15	89.6
450	5.66	34.061	5.62	26.857	8.095	0.15	89.8
500	5.47	34.107	5.43	26.916	8.701	0.15	89.6
600	4.95	34.173	4.91	27.030	9.838	0.15	89.7
800	4.29	34.293	4.23	27.200	11.868	0.15	89.9
1000	3.71	34.395	3.63	27.342	13.621	0.15	90.0
1005	3.70	34.396	3.63	27.343	13.662	0.15	89.9

Station 12 NH-85
Temperature, Salinity

STA: 12 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W
05 APR 2002 2313 GMT DEPTH 2884

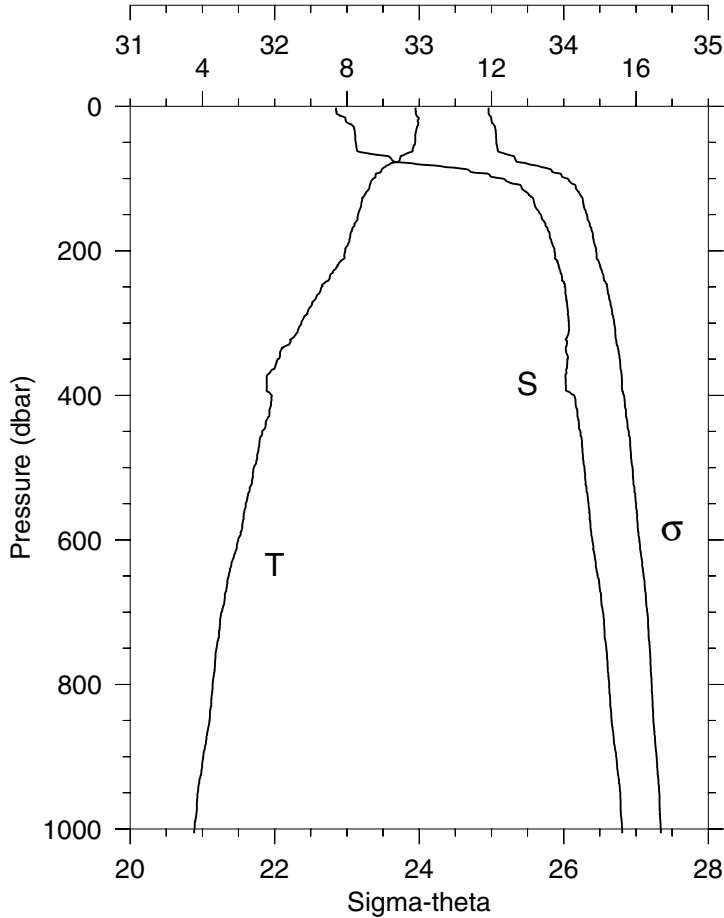


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.92	32.206	9.92	24.785	0.063	2.19	79.9
10	9.85	32.223	9.85	24.809	0.314	1.90	80.5
20	9.60	32.303	9.60	24.912	0.625	1.70	82.2
30	9.55	32.501	9.55	25.076	0.917	0.79	86.8
40	9.44	32.517	9.43	25.106	1.204	0.46	87.9
50	9.31	32.520	9.31	25.128	1.488	0.41	88.1
60	8.99	32.491	8.99	25.156	1.770	0.45	88.0
70	8.90	32.492	8.89	25.172	2.050	0.35	88.7
80	8.95	32.517	8.94	25.184	2.330	0.28	88.8
90	8.94	32.574	8.93	25.231	2.607	0.24	88.8
100	8.97	32.679	8.96	25.308	2.878	0.20	89.1
110	8.97	33.165	8.95	25.689	3.125	0.17	89.2
120	8.60	33.322	8.59	25.868	3.350	0.16	89.2
130	8.25	33.442	8.24	26.016	3.557	0.16	89.2
140	8.48	33.563	8.46	26.076	3.755	0.15	89.2
150	8.44	33.646	8.42	26.148	3.948	0.15	89.2
175	7.88	33.793	7.86	26.346	4.398	0.14	89.3
200	7.81	33.940	7.80	26.471	4.811	0.15	89.4
225	7.58	33.986	7.56	26.542	5.199	0.15	89.3
250	7.37	34.000	7.35	26.583	5.575	0.15	89.3
275	7.03	34.009	7.01	26.638	5.939	0.15	89.5
300	6.79	34.019	6.77	26.678	6.294	0.16	89.5
350	6.38	34.045	6.35	26.753	6.976	0.15	89.4
400	6.06	34.062	6.03	26.809	7.631	0.16	89.6
450	5.72	34.085	5.68	26.869	8.260	0.16	89.7
500	5.49	34.127	5.45	26.930	8.861	0.15	89.6
600	4.88	34.200	4.84	27.060	9.971	0.15	89.6
800	4.20	34.317	4.14	27.228	11.934	0.15	89.8
1000	3.65	34.409	3.58	27.358	13.640	0.15	89.8
1006	3.65	34.410	3.57	27.360	13.688	0.15	89.7

W0204A

Station 13 FM-9
Temperature, Salinity

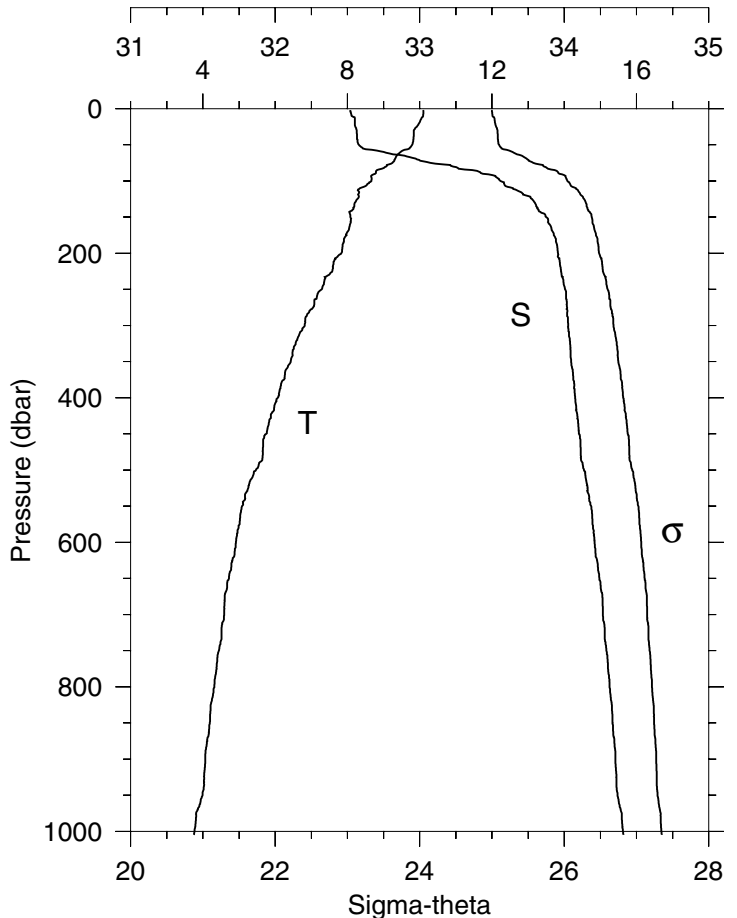
STA: 13 FM-9 LAT: 43 13.1 N LONG: 125 10.2 W
06 APR 2002 0831 GMT DEPTH 1649



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.90	32.425	9.90	24.959	0.060	4.11	73.4
10	9.91	32.429	9.91	24.961	0.299	4.26	73.8
20	9.96	32.492	9.95	25.002	0.595	3.90	78.2
30	9.93	32.549	9.93	25.051	0.888	1.18	84.6
40	9.89	32.557	9.89	25.064	1.178	0.71	85.9
50	9.89	32.560	9.88	25.067	1.467	0.65	86.2
60	9.82	32.568	9.81	25.085	1.756	0.53	87.0
70	9.48	32.793	9.48	25.315	2.035	0.31	88.1
80	9.19	32.984	9.18	25.512	2.296	0.31	88.2
90	8.95	33.352	8.94	25.838	2.524	0.19	88.5
100	8.72	33.579	8.71	26.051	2.731	0.17	88.5
110	8.63	33.704	8.61	26.164	2.923	0.18	88.0
120	8.52	33.749	8.51	26.215	3.107	0.17	87.7
130	8.41	33.791	8.40	26.264	3.286	0.16	87.5
140	8.38	33.806	8.36	26.283	3.463	0.17	87.4
150	8.30	33.841	8.29	26.321	3.636	0.16	87.5
175	8.11	33.901	8.09	26.398	4.058	0.15	87.8
200	7.95	33.936	7.93	26.448	4.466	0.15	88.1
225	7.68	33.971	7.66	26.515	4.862	0.16	88.2
250	7.30	34.007	7.28	26.598	5.239	0.15	88.9
275	7.02	34.024	7.00	26.650	5.601	0.15	88.5
300	6.74	34.035	6.71	26.699	5.951	0.15	88.8
350	6.08	34.025	6.05	26.776	6.625	0.15	89.7
400	5.92	34.072	5.89	26.833	7.269	0.15	89.7
450	5.66	34.115	5.62	26.901	7.887	0.15	89.7
500	5.42	34.142	5.38	26.951	8.477	0.15	89.7
600	4.99	34.197	4.94	27.046	9.595	0.15	89.7
800	4.28	34.313	4.22	27.217	11.564	0.15	89.6
1000	3.78	34.404	3.70	27.342	13.298	0.15	89.2
1006	3.77	34.404	3.69	27.343	13.347	0.15	89.2

Station 14 FM-8
Temperature, Salinity

STA: 14 FM-8 LAT: 43 12.9 N LONG: 125 0.1 W
06 APR 2002 1032 GMT DEPTH 1083

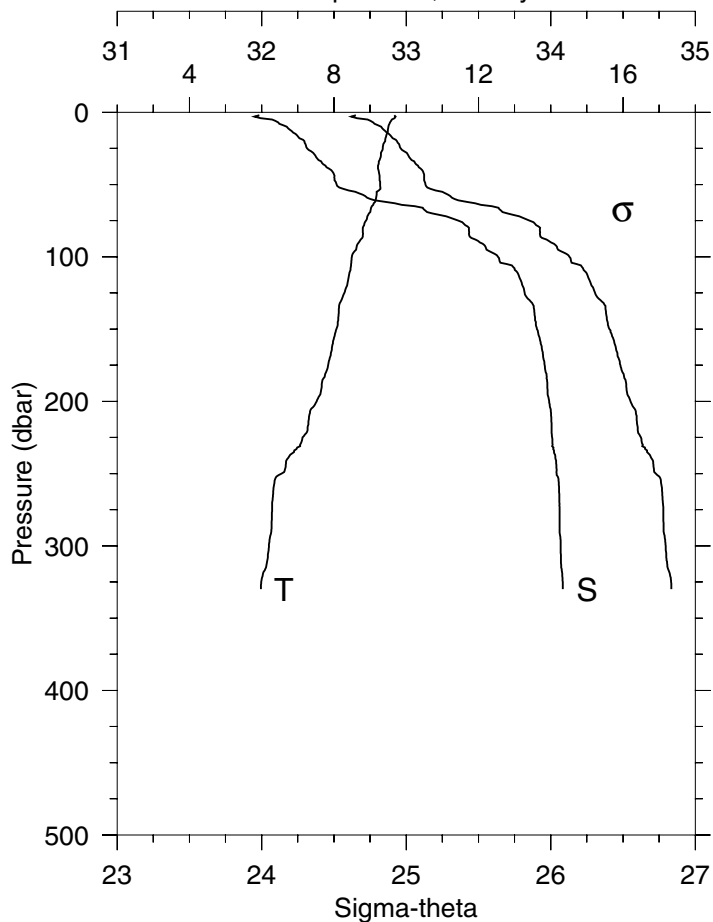


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.09	32.520	10.09	25.001	0.059	1.63	83.4
10	10.10	32.530	10.10	25.008	0.295	1.17	84.0
20	9.98	32.551	9.98	25.044	0.586	0.86	84.9
30	9.84	32.565	9.84	25.078	0.876	0.89	86.8
40	9.83	32.566	9.83	25.081	1.164	0.48	87.2
50	9.79	32.579	9.79	25.098	1.451	0.44	87.4
60	9.47	32.750	9.47	25.283	1.732	0.32	88.0
70	9.31	32.981	9.30	25.490	1.990	0.19	88.5
80	9.07	33.233	9.06	25.724	2.229	0.18	88.5
90	8.77	33.438	8.76	25.933	2.446	0.16	88.6
100	8.66	33.558	8.65	26.043	2.646	0.16	88.6
110	8.35	33.646	8.34	26.161	2.839	0.16	88.7
120	8.31	33.735	8.29	26.237	3.021	0.15	88.9
130	8.20	33.796	8.19	26.300	3.197	0.15	88.9
140	8.14	33.823	8.12	26.331	3.370	0.15	89.0
150	8.08	33.874	8.06	26.380	3.538	0.16	89.0
175	7.97	33.927	7.96	26.438	3.947	0.15	89.0
200	7.83	33.958	7.81	26.484	4.344	0.15	89.1
225	7.58	33.978	7.56	26.536	4.729	0.15	88.9
250	7.29	34.006	7.26	26.600	5.102	0.15	88.0
275	7.05	34.020	7.03	26.643	5.463	0.16	88.8
300	6.82	34.028	6.79	26.682	5.815	0.15	89.3
350	6.43	34.047	6.40	26.749	6.495	0.16	89.3
400	6.07	34.076	6.04	26.817	7.146	0.15	89.1
450	5.76	34.101	5.72	26.877	7.770	0.15	89.1
500	5.47	34.137	5.43	26.941	8.369	0.15	89.0
600	4.91	34.211	4.87	27.065	9.468	0.15	89.5
800	4.32	34.314	4.26	27.214	11.434	0.15	89.0
1000	3.77	34.406	3.69	27.345	13.182	0.15	88.9
1005	3.74	34.410	3.67	27.350	13.222	0.15	88.9

W0204A

Station 15 FM-7
Temperature, Salinity

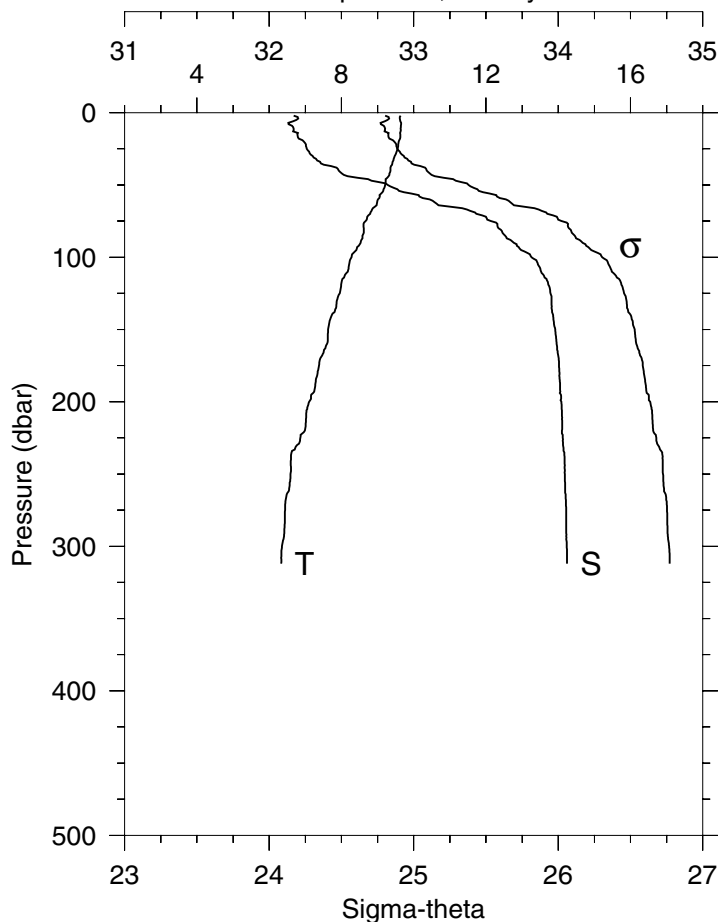
STA: 15 FM-7 LAT: 43 13.1 N LONG: 124 50.0 W
06 APR 2002 1249 GMT DEPTH 343



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.67	31.984	9.67	24.652	0.066	3.89	74.1
10	9.51	32.173	9.51	24.826	0.322	5.00	67.6
20	9.42	32.295	9.42	24.935	0.628	4.86	71.3
30	9.30	32.371	9.29	25.015	0.926	3.36	79.1
40	9.23	32.481	9.23	25.111	1.216	1.53	82.7
50	9.28	32.518	9.27	25.133	1.500	1.63	81.7
60	9.16	32.752	9.15	25.335	1.774	0.50	87.1
70	8.97	33.180	8.96	25.699	2.018	0.22	88.5
80	8.80	33.434	8.79	25.926	2.234	0.17	88.6
90	8.69	33.510	8.68	26.002	2.441	0.18	88.7
100	8.50	33.635	8.48	26.130	2.636	0.16	88.8
110	8.44	33.762	8.43	26.237	2.820	0.16	88.4
120	8.36	33.804	8.35	26.283	2.997	0.16	88.3
130	8.21	33.852	8.19	26.344	3.170	0.16	88.9
140	8.13	33.888	8.11	26.384	3.337	0.15	88.9
150	8.07	33.905	8.06	26.406	3.502	0.15	89.0
175	7.84	33.958	7.82	26.482	3.902	0.15	89.1
200	7.52	33.989	7.50	26.552	4.287	0.15	88.5
225	7.13	34.010	7.11	26.624	4.654	0.15	87.9
250	6.55	34.040	6.53	26.727	5.002	0.16	88.4
275	6.28	34.061	6.26	26.778	5.328	0.15	88.4
300	6.20	34.068	6.18	26.795	5.652	0.16	87.0
330	5.98	34.084	5.95	26.835	6.033	0.16	87.3

Station 16 FM-6
Temperature, Salinity

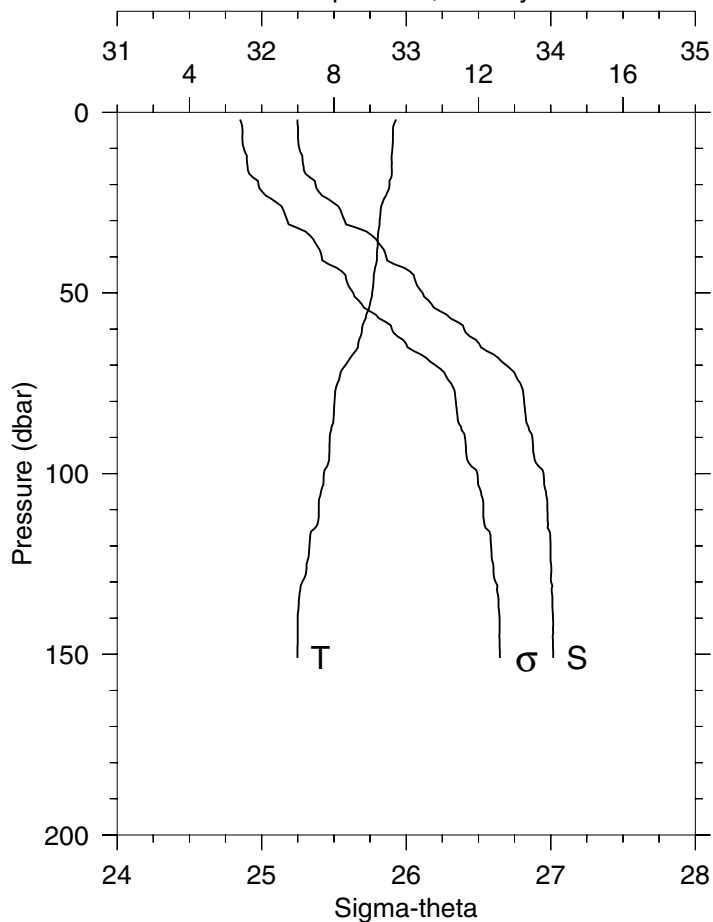
STA: 16 FM-6 LAT: 43 13.1 N LONG: 124 45.1 W
06 APR 2002 1614 GMT DEPTH 317



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.64	32.169	9.64	24.802	0.063	5.00	62.4
10	9.64	32.165	9.64	24.798	0.314	5.00	63.5
20	9.59	32.240	9.58	24.866	0.626	5.00	63.6
30	9.47	32.300	9.47	24.931	0.931	5.00	69.6
40	9.36	32.481	9.35	25.091	1.226	4.04	74.0
50	9.21	32.821	9.21	25.380	1.501	0.87	83.8
60	9.01	33.110	9.00	25.639	1.750	0.27	87.7
70	8.80	33.433	8.79	25.924	1.972	0.20	87.9
80	8.62	33.587	8.61	26.073	2.171	0.20	87.6
90	8.53	33.693	8.52	26.169	2.361	0.19	87.7
100	8.28	33.816	8.27	26.304	2.540	0.16	87.9
110	8.18	33.882	8.16	26.371	2.709	0.16	88.5
120	7.99	33.938	7.98	26.443	2.871	0.16	88.5
130	7.88	33.954	7.86	26.473	3.029	0.15	88.6
140	7.73	33.964	7.72	26.501	3.186	0.15	88.9
150	7.63	33.979	7.62	26.529	3.339	0.16	89.0
175	7.38	34.006	7.36	26.585	3.714	0.15	88.8
200	7.11	34.022	7.09	26.636	4.077	0.15	89.0
225	6.86	34.031	6.84	26.678	4.430	0.16	88.7
250	6.59	34.046	6.57	26.725	4.769	0.15	88.2
275	6.44	34.055	6.42	26.753	5.103	0.16	87.6
300	6.36	34.059	6.33	26.767	5.433	0.16	86.1
312	6.33	34.061	6.31	26.771	5.590	0.16	84.4

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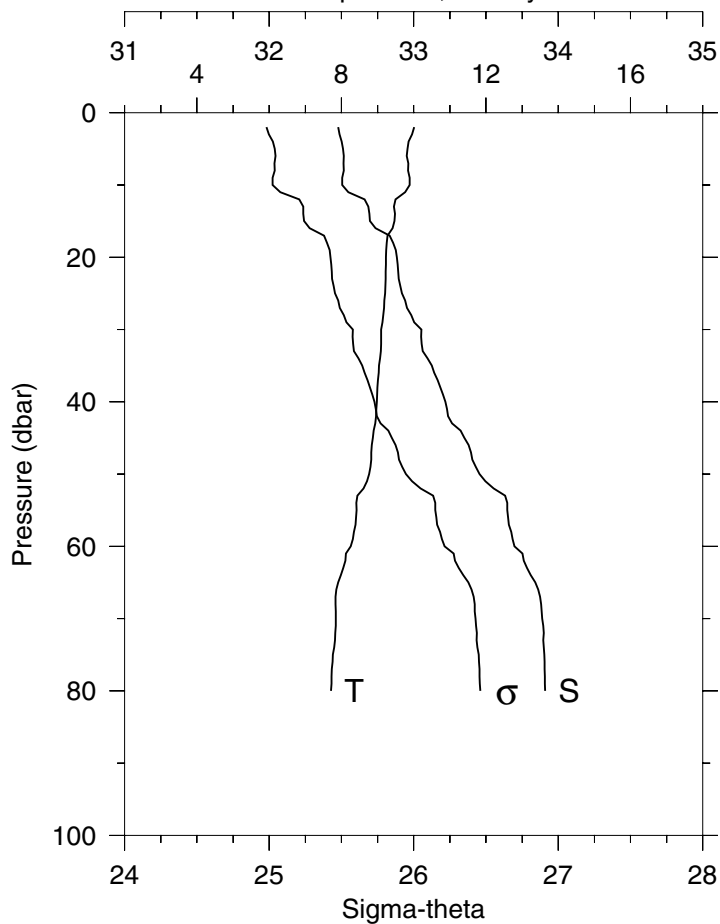
Station 17 FM-5
Temperature, Salinity



STA: 17 FM-5 LAT: 43 13.1 N LONG: 124 40.0 W
06 APR 2002 1723 GMT DEPTH 157

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.72	32.247	9.72	24.850	0.062	4.87	59.9
10	9.61	32.260	9.61	24.876	0.308	5.00	60.5
20	9.53	32.373	9.53	24.978	0.611	5.00	63.8
30	9.27	32.574	9.26	25.178	0.898	1.30	83.3
40	9.19	32.862	9.19	25.415	1.162	1.22	84.2
50	9.06	33.113	9.05	25.633	1.406	0.73	84.8
60	8.78	33.400	8.77	25.901	1.630	0.22	87.6
70	8.31	33.692	8.31	26.201	1.828	0.20	86.0
80	8.01	33.816	8.01	26.343	2.000	0.25	84.5
90	7.88	33.873	7.87	26.407	2.167	0.21	85.3
100	7.72	33.951	7.71	26.493	2.327	0.16	87.0
110	7.58	33.977	7.57	26.533	2.480	0.16	87.5
120	7.32	33.998	7.31	26.587	2.629	0.16	86.1
130	7.12	34.003	7.11	26.619	2.774	0.16	85.0
140	6.99	34.015	6.98	26.646	2.915	0.16	82.3
150	6.99	34.016	6.97	26.648	3.056	0.17	82.0
151	6.99	34.016	6.97	26.647	3.070	0.19	82.1

Station 18 FM-4
Temperature, Salinity



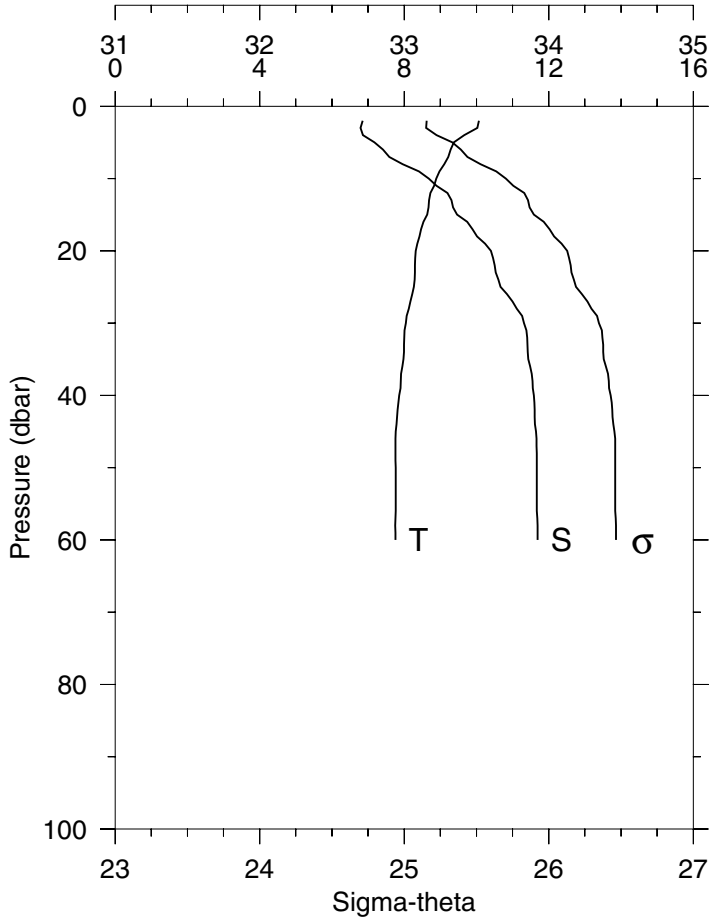
STA: 18 FM-4 LAT: 43 13.1 N LONG: 124 35.0 W
06 APR 2002 2000 GMT DEPTH 85

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.01	32.477	10.01	24.981	0.059	5.00	54.7
10	9.89	32.505	9.89	25.023	0.293	5.00	54.6
20	9.23	32.884	9.23	25.425	0.563	4.38	72.4
30	9.10	33.053	9.10	25.579	0.813	3.77	77.5
40	8.98	33.219	8.98	25.728	1.047	1.28	84.2
50	8.77	33.456	8.76	25.946	1.264	0.24	86.9
60	8.26	33.697	8.25	26.214	1.452	0.24	85.1
70	7.84	33.890	7.84	26.427	1.619	0.31	85.4
80	7.71	33.909	7.70	26.461	1.778	0.20	84.7

W0204A

Station 19 FM-3
Temperature, Salinity

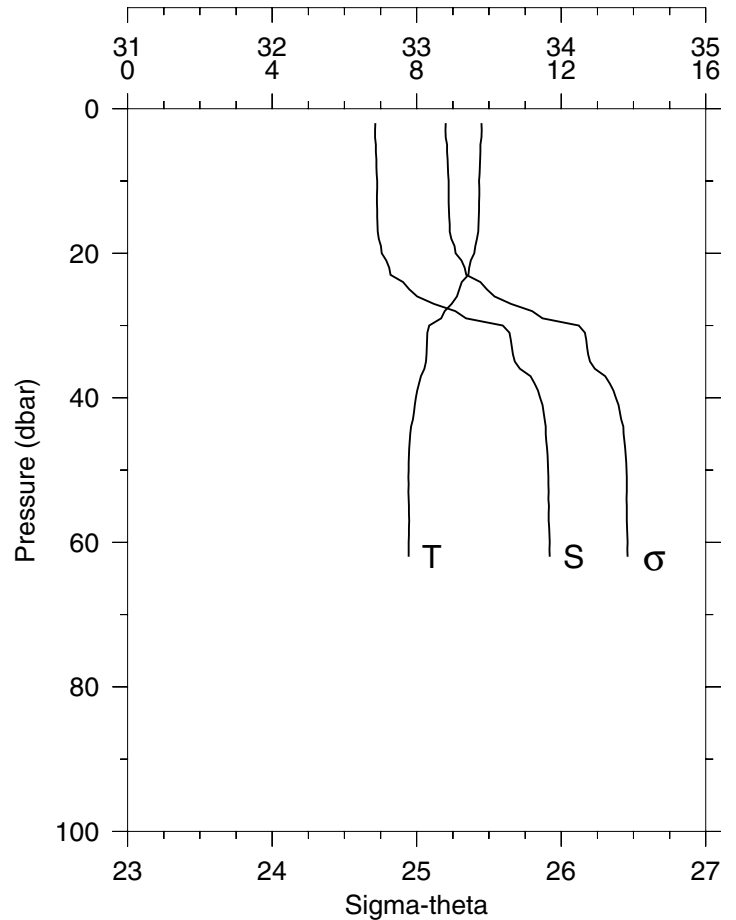
STA: 19 FM-3 LAT: 43 13.1 N LONG: 124 30.0 W
06 APR 2002 2213 GMT DEPTH 65



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.07	32.713	10.07	25.156	0.056	5.00	61.0
10	8.89	33.170	8.89	25.703	0.262	2.97	76.7
20	8.32	33.599	8.32	26.127	0.470	0.99	82.6
30	8.04	33.829	8.04	26.348	0.649	0.26	85.2
40	7.86	33.897	7.86	26.428	0.812	0.18	85.6
50	7.76	33.917	7.76	26.459	0.970	0.21	83.9
60	7.76	33.923	7.75	26.465	1.127	0.19	84.4

Station 20 FM-3
Temperature, Salinity

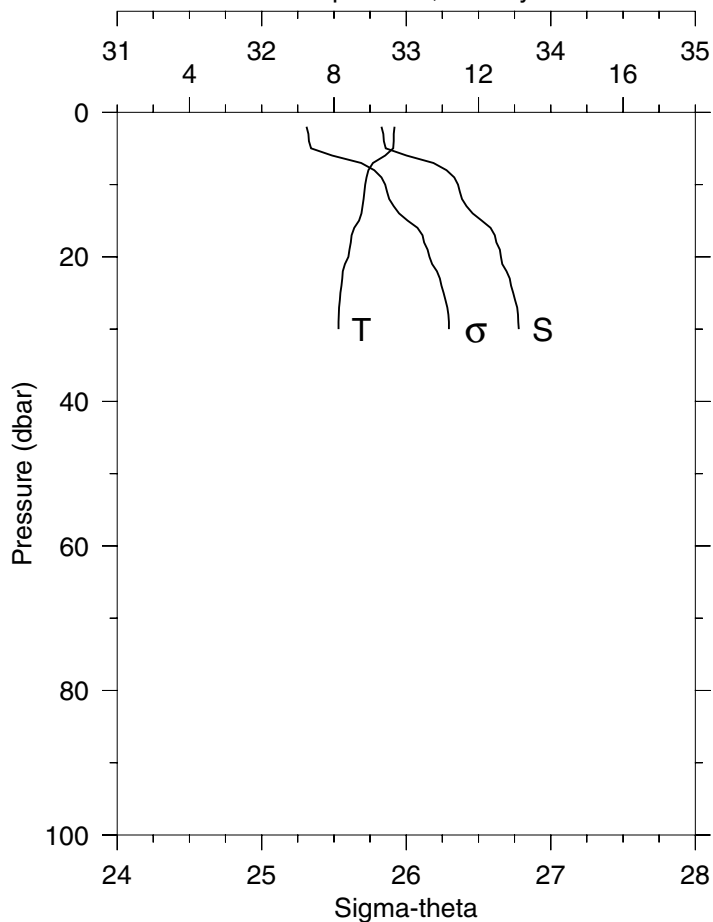
STA: 20 FM-3 LAT: 43 13.1 N LONG: 124 30.0 W
06 APR 2002 2247 GMT DEPTH 66



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.80	32.713	9.80	25.201	0.055	5.00	58.8
10	9.73	32.726	9.73	25.222	0.275	5.00	59.5
20	9.60	32.759	9.59	25.269	0.548	5.00	61.9
30	8.35	33.596	8.34	26.121	0.791	2.16	77.9
40	7.98	33.855	7.97	26.379	0.969	0.26	85.1
50	7.78	33.910	7.77	26.452	1.129	0.23	83.7
60	7.78	33.920	7.78	26.459	1.287	0.23	83.8
62	7.78	33.920	7.77	26.459	1.318	0.21	83.9

W0204A

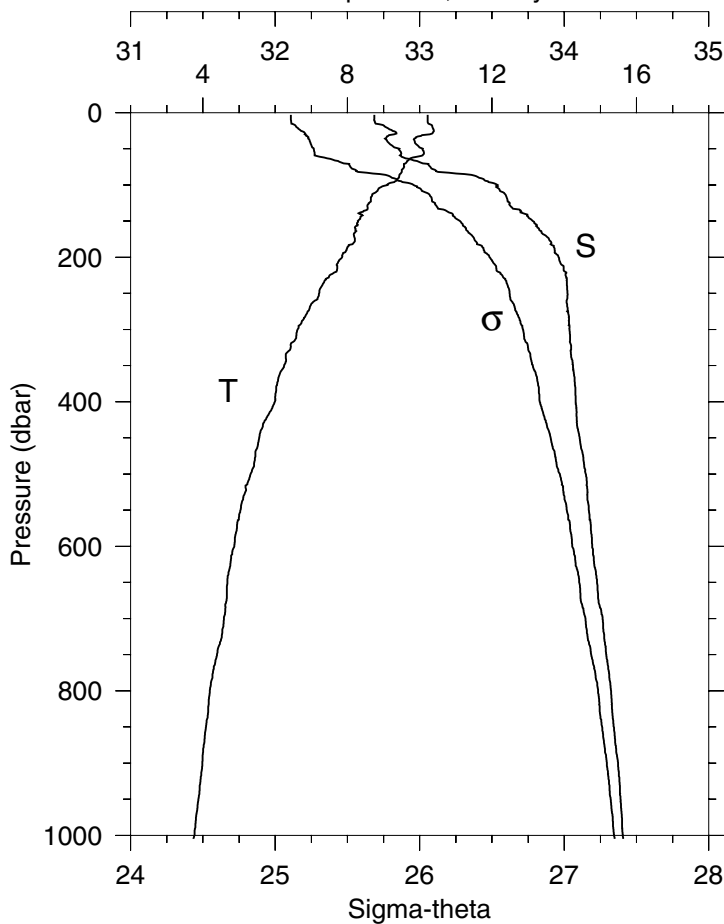
Station 21 FM-1
Temperature, Salinity



STA: 21 FM-1 LAT: 43 13.1 N LONG: 124 26.0 W
07 APR 2002 0022 GMT DEPTH 34

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.68	32.828	9.68	25.310	0.053	4.74	66.1
10	8.86	33.358	8.86	25.854	0.248	4.38	71.4
20	8.40	33.656	8.40	26.160	0.447	1.38	79.7
30	8.13	33.778	8.12	26.296	0.623	0.87	79.1

Station 22 CR-11
Temperature, Salinity

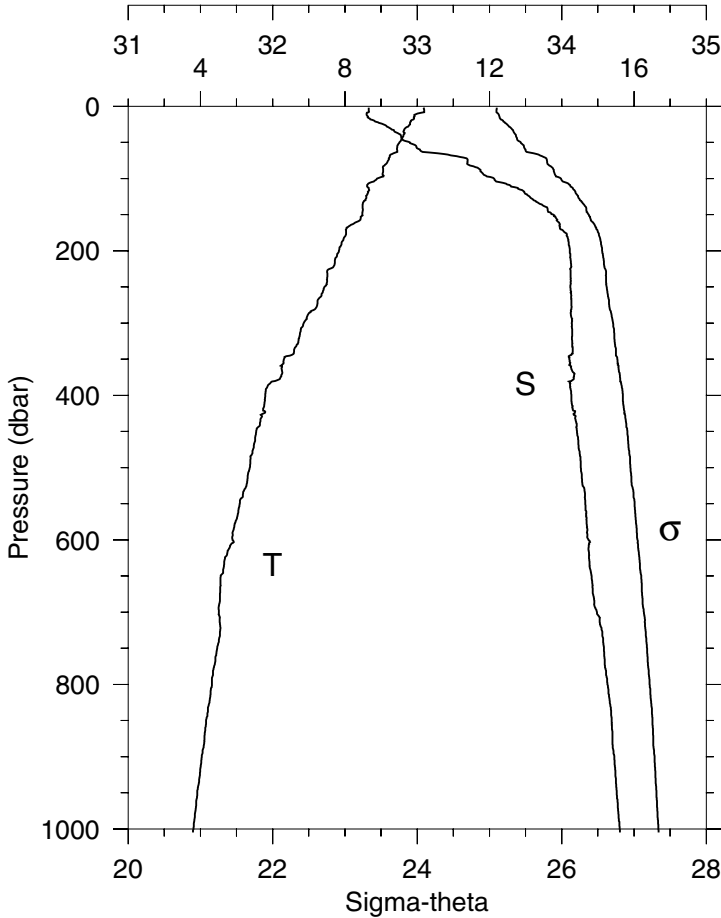


STA: 22 CR-11 LAT: 41 54.1 N LONG: 126 0.1 W
07 APR 2002 0944 GMT DEPTH 3329

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.22	32.686	10.22	25.109	0.085	2.55	78.7
10	10.22	32.685	10.22	25.108	0.285	3.21	78.6
20	10.36	32.765	10.35	25.148	0.568	3.41	79.1
30	10.28	32.822	10.28	25.205	0.846	0.93	85.4
40	9.87	32.777	9.87	25.239	1.120	0.80	86.7
50	10.09	32.859	10.09	25.267	1.391	0.47	87.1
60	10.03	32.871	10.03	25.286	1.662	0.47	87.2
70	9.61	33.022	9.60	25.474	1.920	0.50	86.3
80	9.50	33.113	9.49	25.562	2.167	0.50	86.5
90	9.42	33.411	9.41	25.808	2.397	0.29	87.6
100	9.12	33.539	9.11	25.958	2.610	0.23	88.0
110	8.79	33.575	8.78	26.037	2.812	0.19	88.3
120	8.65	33.606	8.63	26.084	3.007	0.17	88.3
130	8.55	33.631	8.54	26.118	3.199	0.17	88.4
140	8.33	33.726	8.32	26.226	3.385	0.16	88.6
150	8.29	33.783	8.27	26.278	3.564	0.16	88.8
175	8.21	33.895	8.19	26.378	3.993	0.16	88.8
200	7.85	33.961	7.83	26.483	4.398	0.15	89.1
225	7.51	34.010	7.49	26.571	4.782	0.16	89.2
250	7.22	34.022	7.19	26.622	5.148	0.16	89.3
275	6.90	34.021	6.88	26.665	5.505	0.16	89.4
300	6.62	34.037	6.59	26.715	5.851	0.15	89.5
350	6.25	34.061	6.22	26.783	6.518	0.15	89.5
400	5.99	34.080	5.96	26.831	7.157	0.15	89.6
450	5.56	34.106	5.52	26.906	7.771	0.15	89.7
500	5.32	34.150	5.28	26.970	8.355	0.15	89.6
600	4.87	34.193	4.82	27.056	9.450	0.15	89.7
800	4.19	34.324	4.13	27.235	11.419	0.15	89.6
1000	3.77	34.404	3.69	27.343	13.132	0.15	89.7
1005	3.74	34.408	3.66	27.349	13.172	0.15	89.7

W0204A

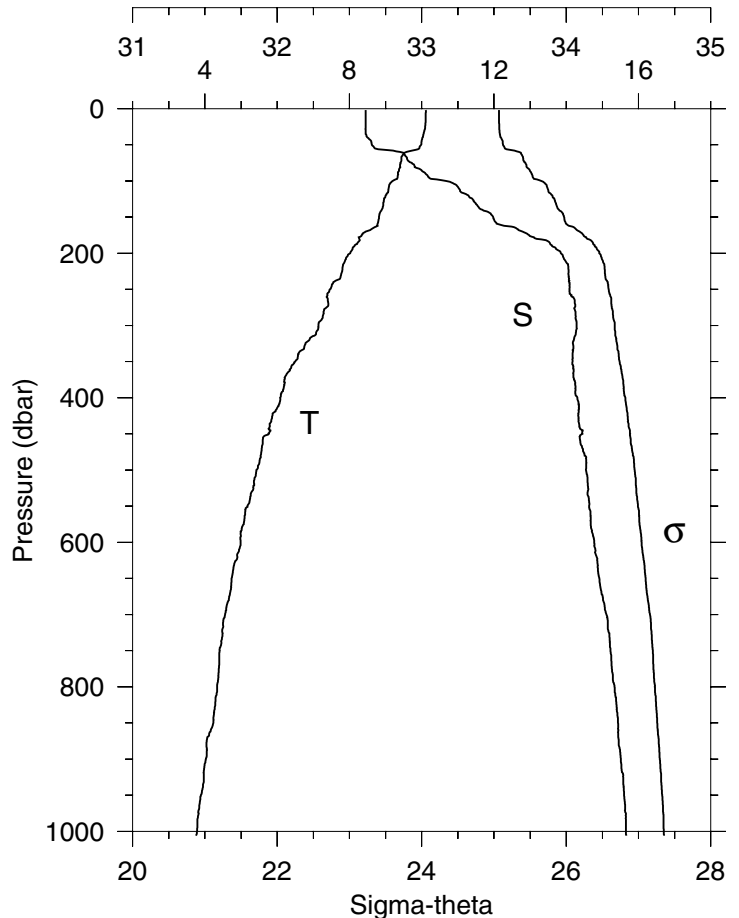
Station 23 CR-10
Temperature, Salinity



STA: 23 CR-10 LAT: 41 54.0 N LONG: 125 40.0 W
07 APR 2002 1222 GMT DEPTH 2930

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.17	32.664	10.17	25.100	0.057	1.70	80.9
10	10.01	32.650	10.01	25.117	0.285	1.32	79.0
20	9.83	32.704	9.82	25.189	0.567	0.95	85.0
30	9.67	32.809	9.67	25.296	0.839	1.50	83.8
40	9.62	32.886	9.61	25.366	1.103	0.75	85.1
50	9.51	32.949	9.50	25.433	1.362	0.75	86.0
60	9.44	33.018	9.44	25.497	1.613	0.76	86.3
70	9.24	33.298	9.23	25.749	1.851	0.34	86.9
80	9.13	33.347	9.12	25.805	2.072	0.32	87.1
90	9.06	33.438	9.05	25.888	2.287	0.26	87.3
100	8.88	33.532	8.87	25.989	2.496	0.23	87.7
110	8.61	33.646	8.60	26.120	2.693	0.18	87.2
120	8.63	33.743	8.62	26.193	2.880	0.18	88.2
130	8.57	33.805	8.55	26.253	3.060	0.18	88.3
140	8.49	33.898	8.48	26.337	3.234	0.17	88.4
150	8.48	33.942	8.47	26.373	3.404	0.17	88.3
175	8.03	34.025	8.01	26.507	3.806	0.16	88.7
200	7.83	34.055	7.81	26.559	4.186	0.16	89.0
225	7.57	34.058	7.54	26.601	4.557	0.16	89.2
250	7.43	34.060	7.41	26.621	4.921	0.17	89.2
275	7.23	34.067	7.21	26.656	5.279	0.16	89.3
300	6.86	34.069	6.83	26.709	5.628	0.15	89.4
350	6.31	34.052	6.28	26.768	6.302	0.15	89.4
400	5.79	34.066	5.76	26.845	6.944	0.15	89.4
450	5.54	34.106	5.50	26.908	7.556	0.15	89.5
500	5.37	34.132	5.32	26.950	8.143	0.15	89.6
600	4.89	34.184	4.84	27.047	9.254	0.15	89.5
800	4.32	34.316	4.26	27.216	11.241	0.15	89.5
1000	3.81	34.401	3.73	27.337	12.977	0.15	89.4
1005	3.80	34.403	3.72	27.340	13.017	0.15	89.4

Station 24 CR-9a
Temperature, Salinity



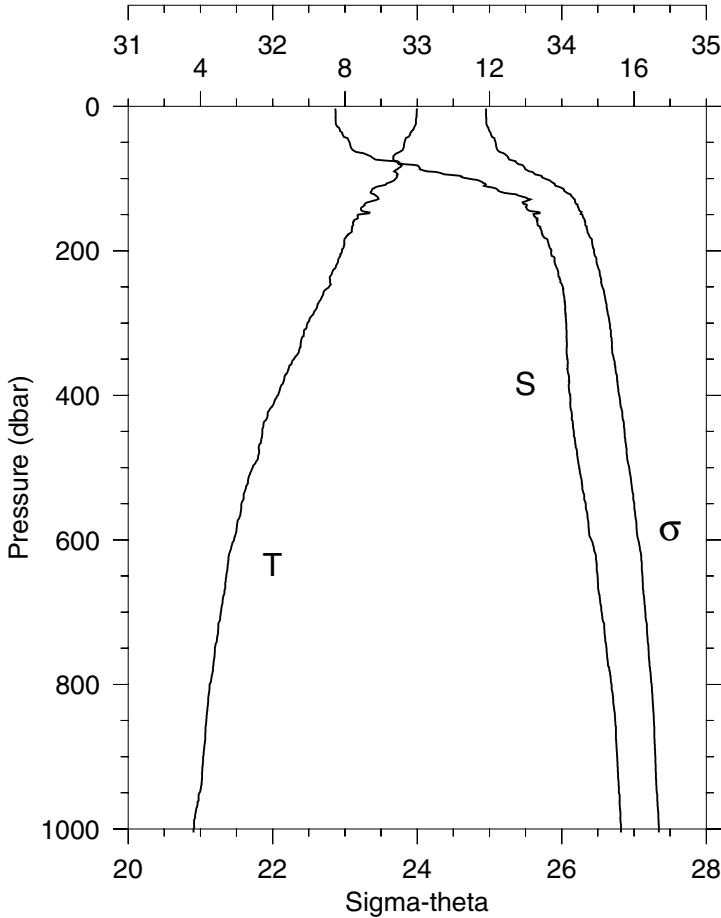
STA: 24 CR-9a LAT: 41 54.0 N LONG: 125 24.0 W
07 APR 2002 1426 GMT DEPTH 3096

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.11	32.612	10.11	25.070	0.058	0.91	83.5
10	10.11	32.613	10.11	25.071	0.288	1.00	83.7
20	10.10	32.612	10.10	25.071	0.577	0.99	83.7
30	10.08	32.612	10.07	25.076	0.865	0.87	83.9
40	10.02	32.626	10.02	25.096	1.153	0.88	84.4
50	9.98	32.655	9.98	25.125	1.437	0.48	87.0
60	9.58	32.851	9.57	25.345	1.715	0.47	86.7
70	9.44	32.900	9.43	25.406	1.974	0.46	86.4
80	9.40	32.951	9.40	25.451	2.229	0.54	86.5
90	9.35	33.028	9.34	25.522	2.479	0.54	86.4
100	9.20	33.170	9.19	25.656	2.722	0.39	86.6
110	9.09	33.256	9.07	25.741	2.951	0.31	86.6
120	9.00	33.323	8.99	25.806	3.176	0.30	86.9
130	8.94	33.369	8.93	25.853	3.394	0.29	86.6
140	8.89	33.420	8.88	25.900	3.608	0.27	86.7
150	8.82	33.494	8.80	25.970	3.816	0.25	86.7
175	8.34	33.744	8.32	26.240	4.304	0.17	88.2
200	8.02	33.963	8.00	26.459	4.724	0.16	88.6
225	7.80	34.016	7.78	26.534	5.112	0.16	88.9
250	7.46	34.022	7.44	26.587	5.489	0.16	89.0
275	7.37	34.059	7.34	26.630	5.853	0.15	89.1
300	7.14	34.072	7.11	26.672	6.209	0.16	89.2
350	6.50	34.044	6.47	26.737	6.900	0.16	89.2
400	6.08	34.078	6.05	26.818	7.555	0.15	89.3
450	5.77	34.112	5.73	26.884	8.179	0.15	89.4
500	5.43	34.137	5.39	26.947	8.774	0.15	89.4
600	4.99	34.193	4.94	27.043	9.893	0.15	89.5
800	4.34	34.333	4.28	27.226	11.861	0.15	89.2
1000	3.78	34.413	3.71	27.349	13.571	0.15	89.1
1006	3.75	34.416	3.68	27.354	13.619	0.15	89.1

W0204A

Station 25 CR-8
Temperature, Salinity

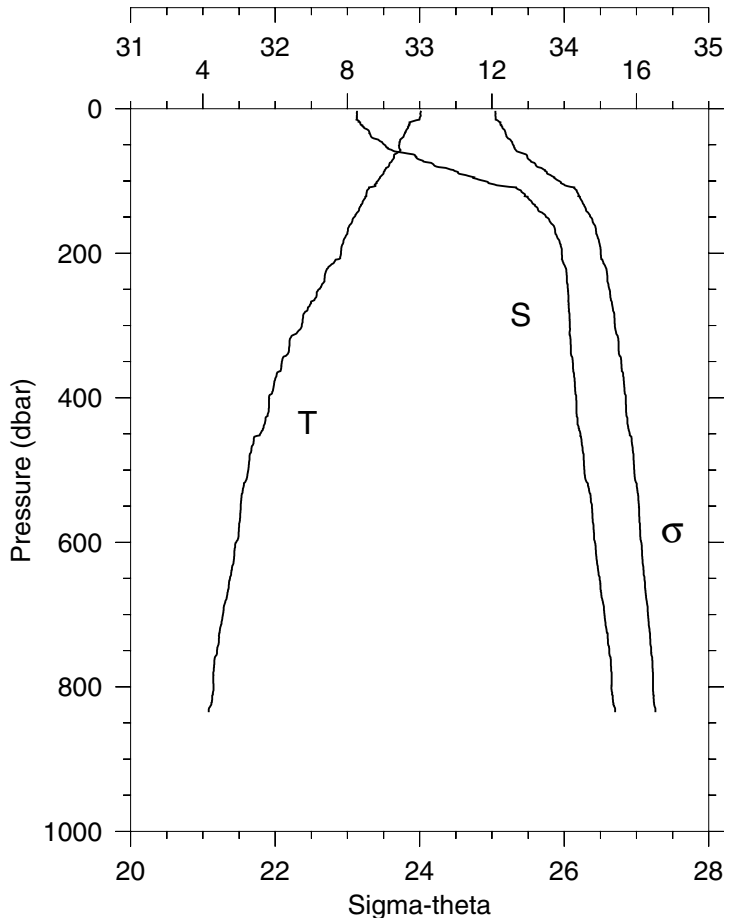
STA: 25 CR-8 LAT: 41 54.0 N LONG: 125 12.1 W
07 APR 2002 1636 GMT DEPTH 2723



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.99	32.434	9.99	24.951	0.090	2.04	78.2
10	9.99	32.434	9.99	24.951	0.299	1.73	78.0
20	9.97	32.436	9.96	24.957	0.599	2.01	78.5
30	9.91	32.459	9.91	24.984	0.898	1.48	78.1
40	9.79	32.485	9.79	25.024	1.193	1.45	78.9
50	9.65	32.531	9.64	25.084	1.482	1.10	84.4
60	9.60	32.550	9.60	25.106	1.769	0.46	85.6
70	9.34	32.685	9.33	25.254	2.048	0.35	86.9
80	9.49	32.906	9.48	25.403	2.314	0.69	86.1
90	9.36	33.071	9.35	25.553	2.564	0.25	86.2
100	9.40	33.355	9.39	25.768	2.797	0.31	86.2
110	9.01	33.462	8.99	25.915	3.012	0.18	87.4
120	8.72	33.607	8.70	26.074	3.213	0.20	87.4
130	8.85	33.769	8.84	26.180	3.402	0.16	87.9
140	8.46	33.755	8.44	26.230	3.585	0.15	88.0
150	8.36	33.806	8.35	26.284	3.763	0.16	88.2
175	8.15	33.861	8.14	26.360	4.192	0.16	88.3
200	7.92	33.927	7.90	26.447	4.602	0.15	88.5
225	7.70	33.968	7.68	26.511	4.998	0.15	88.4
250	7.56	34.008	7.53	26.563	5.379	0.16	88.7
275	7.24	34.023	7.21	26.621	5.748	0.15	87.8
300	6.96	34.031	6.93	26.664	6.107	0.16	88.4
350	6.59	34.038	6.56	26.720	6.804	0.15	88.7
400	6.14	34.058	6.11	26.795	7.468	0.16	88.9
450	5.71	34.083	5.68	26.869	8.099	0.15	89.0
500	5.45	34.121	5.41	26.930	8.704	0.15	89.0
600	4.93	34.205	4.88	27.059	9.820	0.15	88.8
800	4.26	34.345	4.20	27.244	11.768	0.15	89.0
1000	3.81	34.409	3.74	27.343	13.478	0.15	88.8
1005	3.81	34.409	3.74	27.343	13.519	0.15	88.8

Station 26 CR-7
Temperature, Salinity

STA: 26 CR-7 LAT: 41 54.0 N LONG: 125 0.1 W
07 APR 2002 1824 GMT DEPTH 838

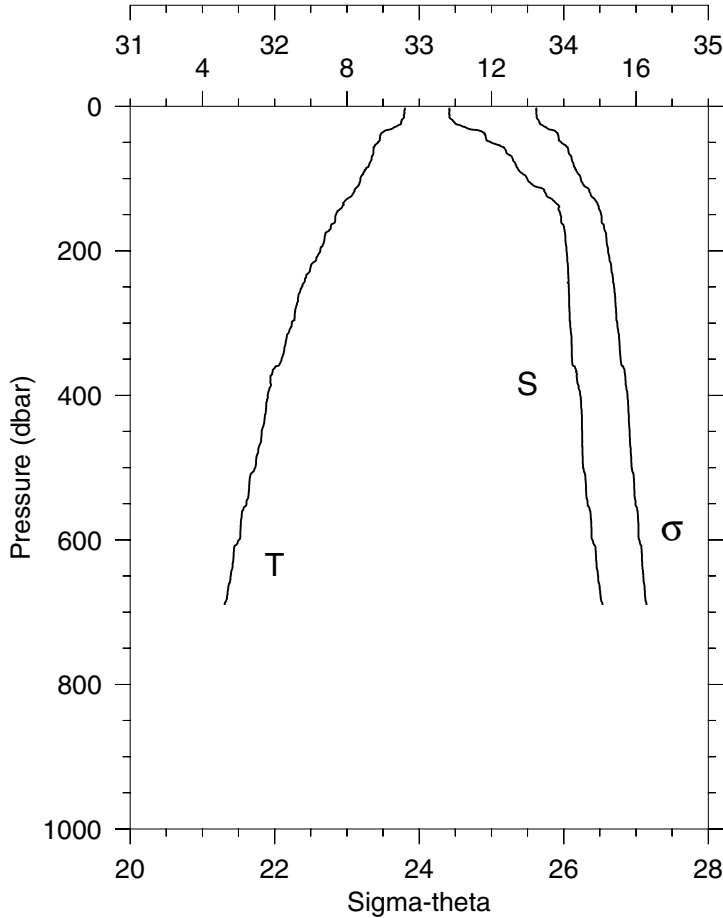


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.04	32.567	10.04	25.046	0.087	1.91	71.8
10	10.03	32.564	10.03	25.046	0.290	3.93	72.0
20	9.72	32.588	9.72	25.115	0.579	3.91	78.2
30	9.63	32.645	9.63	25.176	0.861	1.83	80.6
40	9.53	32.670	9.52	25.212	1.138	1.80	82.3
50	9.44	32.756	9.43	25.293	1.408	1.06	84.5
60	9.42	32.848	9.41	25.368	1.674	2.02	82.9
70	9.26	32.995	9.25	25.508	1.925	0.64	84.1
80	9.14	33.116	9.13	25.623	2.167	0.82	84.4
90	9.00	33.273	8.99	25.768	2.395	0.51	84.8
100	8.84	33.449	8.83	25.931	2.611	0.33	86.1
110	8.60	33.669	8.58	26.141	2.811	0.17	87.8
120	8.52	33.729	8.51	26.200	2.996	0.16	87.9
130	8.42	33.779	8.40	26.254	3.176	0.16	88.0
140	8.32	33.819	8.31	26.301	3.352	0.15	88.1
150	8.19	33.875	8.18	26.364	3.522	0.15	88.2
175	7.97	33.946	7.95	26.454	3.929	0.15	88.3
200	7.82	33.983	7.80	26.505	4.321	0.16	88.4
225	7.40	34.015	7.38	26.590	4.701	0.16	88.2
250	7.21	34.025	7.19	26.625	5.067	0.16	87.9
275	6.91	34.032	6.89	26.672	5.423	0.16	88.3
300	6.74	34.038	6.71	26.701	5.770	0.15	88.5
350	6.19	34.059	6.16	26.789	6.438	0.15	88.7
400	5.83	34.083	5.80	26.854	7.073	0.15	88.9
450	5.59	34.112	5.55	26.907	7.687	0.15	88.6
500	5.25	34.140	5.21	26.969	8.265	0.16	88.9
600	4.92	34.212	4.87	27.065	9.354	0.15	89.0
800	4.30	34.327	4.23	27.227	11.303	0.15	88.8
835	4.16	34.353	4.10	27.262	11.618	0.15	88.3

W0204A

Station 27 CR-6
Temperature, Salinity

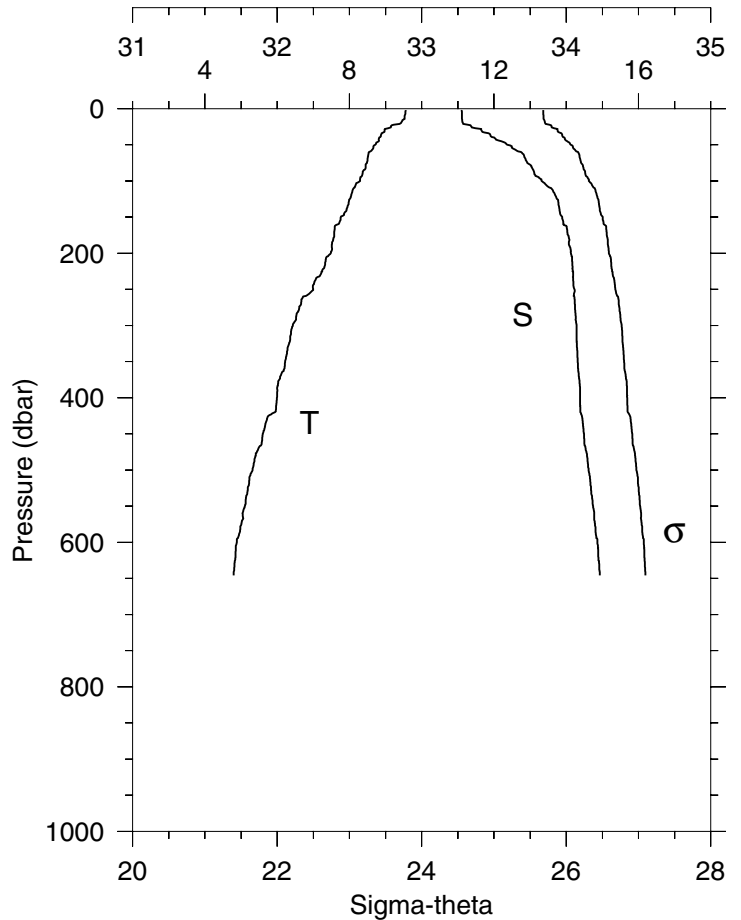
STA: 27 CR-6 LAT: 41 54.0 N LONG: 124 48.0 W
07 APR 2002 2016 GMT DEPTH 699



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.60	33.208	9.60	25.618	0.047	0.87	79.2
10	9.59	33.207	9.59	25.621	0.236	1.72	79.0
20	9.51	33.233	9.51	25.654	0.471	2.73	78.5
30	9.29	33.326	9.28	25.763	0.700	2.06	83.8
40	8.92	33.458	8.92	25.924	0.913	0.61	86.1
50	8.86	33.495	8.86	25.963	1.120	0.50	86.5
60	8.73	33.597	8.73	26.063	1.318	0.29	87.3
70	8.69	33.640	8.68	26.103	1.512	0.23	87.8
80	8.62	33.667	8.61	26.135	1.702	0.18	88.1
90	8.48	33.694	8.48	26.177	1.888	0.17	88.1
100	8.37	33.747	8.36	26.236	2.070	0.16	88.2
110	8.32	33.792	8.31	26.280	2.247	0.16	88.2
120	8.18	33.873	8.17	26.364	2.417	0.16	88.3
130	7.97	33.925	7.95	26.437	2.581	0.16	87.9
140	7.86	33.966	7.84	26.485	2.739	0.16	88.3
150	7.70	33.977	7.68	26.517	2.894	0.16	88.2
175	7.41	34.009	7.39	26.584	3.271	0.16	88.4
200	7.26	34.019	7.24	26.613	3.636	0.16	88.6
225	6.98	34.029	6.96	26.659	3.993	0.16	88.7
250	6.75	34.034	6.73	26.695	4.341	0.15	88.8
275	6.61	34.038	6.59	26.717	4.682	0.15	88.8
300	6.47	34.044	6.45	26.740	5.020	0.15	88.8
350	6.19	34.057	6.16	26.788	5.678	0.15	88.8
400	5.80	34.114	5.77	26.882	6.301	0.16	89.2
450	5.64	34.127	5.60	26.912	6.902	0.15	89.2
500	5.46	34.134	5.42	26.940	7.492	0.16	89.2
600	5.01	34.197	4.96	27.043	8.607	0.15	88.9
690	4.61	34.268	4.56	27.145	9.531	0.15	87.1

Station 28 CR-5
Temperature, Salinity

STA: 28 CR-5 LAT: 41 54.0 N LONG: 124 42.0 W
07 APR 2002 2126 GMT DEPTH 658

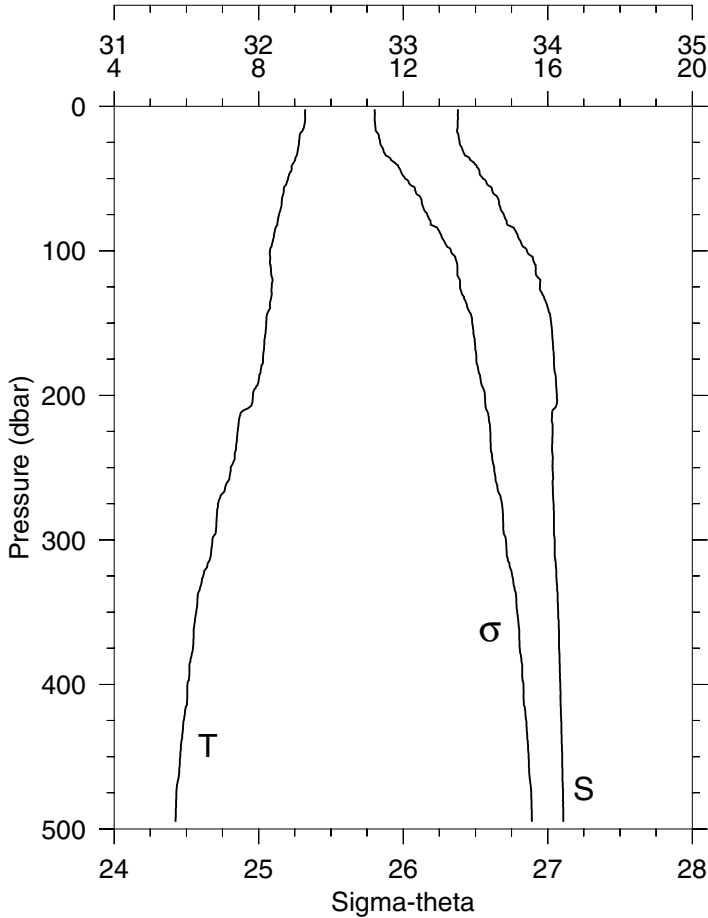


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.56	33.278	9.56	25.681	0.046	0.88	80.5
10	9.53	33.278	9.53	25.686	0.230	1.28	80.5
20	9.42	33.285	9.42	25.709	0.459	1.44	82.0
30	8.98	33.413	8.97	25.880	0.678	0.53	86.0
40	8.82	33.501	8.82	25.973	0.885	0.56	86.0
50	8.72	33.592	8.71	26.061	1.084	0.41	86.3
60	8.55	33.686	8.54	26.161	1.275	0.33	86.7
70	8.50	33.719	8.49	26.194	1.458	0.26	87.0
80	8.45	33.759	8.44	26.234	1.639	0.23	87.2
90	8.36	33.780	8.35	26.264	1.817	0.25	86.4
100	8.29	33.831	8.28	26.314	1.991	0.22	86.9
110	8.11	33.897	8.10	26.393	2.159	0.16	88.5
120	8.05	33.925	8.04	26.424	2.322	0.16	88.6
130	7.98	33.946	7.97	26.451	2.482	0.16	88.7
140	7.92	33.953	7.91	26.466	2.640	0.16	88.7
150	7.76	33.973	7.75	26.505	2.797	0.15	88.6
175	7.58	34.012	7.57	26.562	3.176	0.16	88.8
200	7.48	34.033	7.46	26.592	3.546	0.16	88.9
225	7.24	34.045	7.22	26.635	3.907	0.16	89.0
250	6.99	34.057	6.97	26.680	4.259	0.15	89.0
275	6.61	34.061	6.59	26.735	4.599	0.15	88.9
300	6.43	34.071	6.41	26.767	4.931	0.15	88.9
350	6.22	34.080	6.19	26.802	5.581	0.15	89.0
400	5.99	34.095	5.96	26.843	6.213	0.15	89.1
450	5.60	34.123	5.56	26.914	6.825	0.15	89.2
500	5.32	34.154	5.28	26.972	7.406	0.15	89.2
600	4.88	34.216	4.83	27.072	8.497	0.16	87.2
646	4.79	34.233	4.74	27.096	8.974	0.16	85.0

W0204A

Station 29 CR-4
Temperature, Salinity

STA: 29 CR-4 LAT: 41 54.0 N LONG: 124 36.0 W
07 APR 2002 2255 GMT DEPTH 504

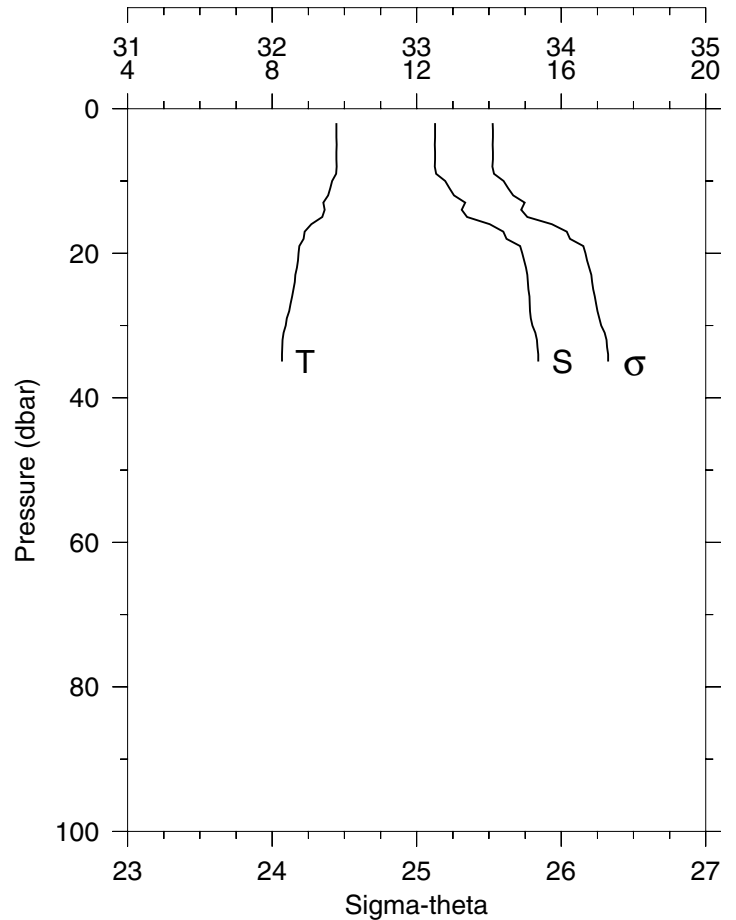


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.29	33.378	9.28	25.803	0.044	0.59	84.4
10	9.28	33.377	9.28	25.803	0.218	0.67	84.4
20	9.13	33.382	9.13	25.830	0.436	1.09	83.7
30	9.08	33.410	9.08	25.861	0.652	0.93	84.0
40	8.94	33.497	8.93	25.952	0.862	0.68	85.5
50	8.82	33.552	8.81	26.014	1.064	0.45	86.5
60	8.69	33.622	8.68	26.089	1.259	0.30	87.0
70	8.62	33.671	8.61	26.138	1.448	0.27	87.0
80	8.52	33.717	8.51	26.189	1.634	0.25	86.9
90	8.42	33.793	8.41	26.264	1.813	0.21	88.0
100	8.31	33.857	8.30	26.331	1.986	0.20	87.8
110	8.33	33.917	8.32	26.375	2.154	0.19	87.6
120	8.39	33.948	8.37	26.392	2.320	0.19	88.2
130	8.36	33.962	8.35	26.407	2.485	0.16	88.4
140	8.31	34.003	8.30	26.447	2.646	0.16	88.6
150	8.21	34.024	8.19	26.478	2.804	0.16	88.8
175	8.12	34.042	8.10	26.506	3.193	0.16	88.9
200	7.84	34.063	7.82	26.565	3.575	0.16	89.0
225	7.41	34.033	7.39	26.602	3.945	0.15	87.8
250	7.23	34.033	7.21	26.629	4.309	0.15	87.9
275	6.88	34.040	6.85	26.683	4.664	0.15	88.3
300	6.72	34.048	6.69	26.710	5.010	0.15	88.7
350	6.27	34.072	6.24	26.788	5.676	0.15	89.0
400	6.03	34.087	5.99	26.832	6.317	0.15	89.1
450	5.83	34.100	5.79	26.867	6.941	0.15	87.8
495	5.70	34.108	5.66	26.891	7.492	0.15	86.6

Station 30 CR-1
Temperature, Salinity

STA: 30 CR-1 LAT: 41 54.0 N LONG: 124 17.9 W
08 APR 2002 0056 GMT DEPTH 40

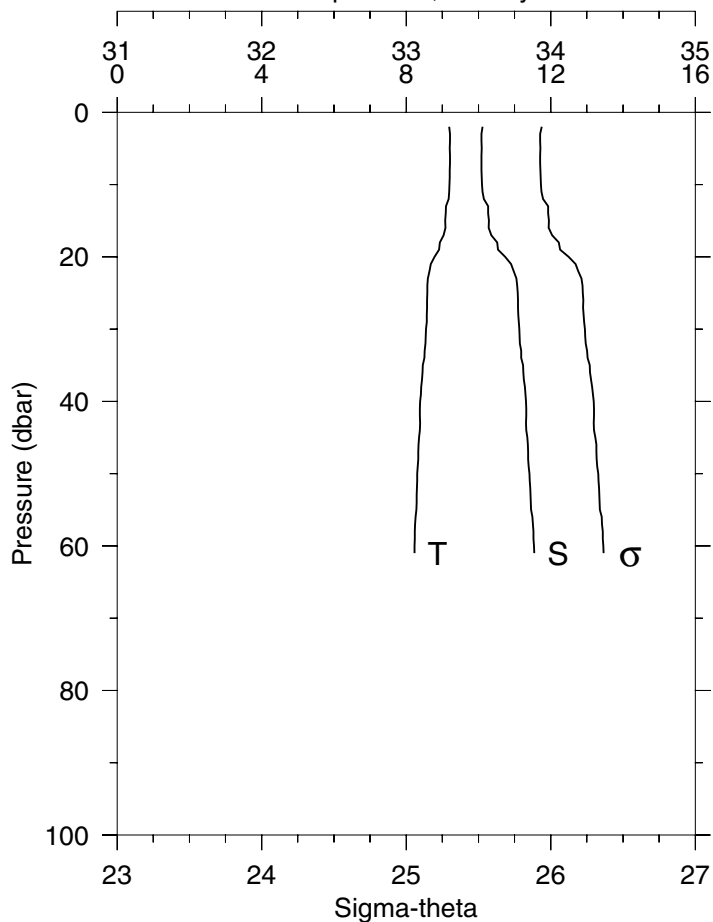
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.78	33.127	9.78	25.526	0.049	4.79	67.8
10	9.66	33.197	9.65	25.602	0.244	5.00	68.1
20	8.73	33.730	8.73	26.167	0.458	1.53	79.5
30	8.37	33.800	8.37	26.276	0.637	1.39	81.0
35	8.27	33.842	8.27	26.324	0.722	2.41	73.7



W0204A

Station 31 CR-2
Temperature, Salinity

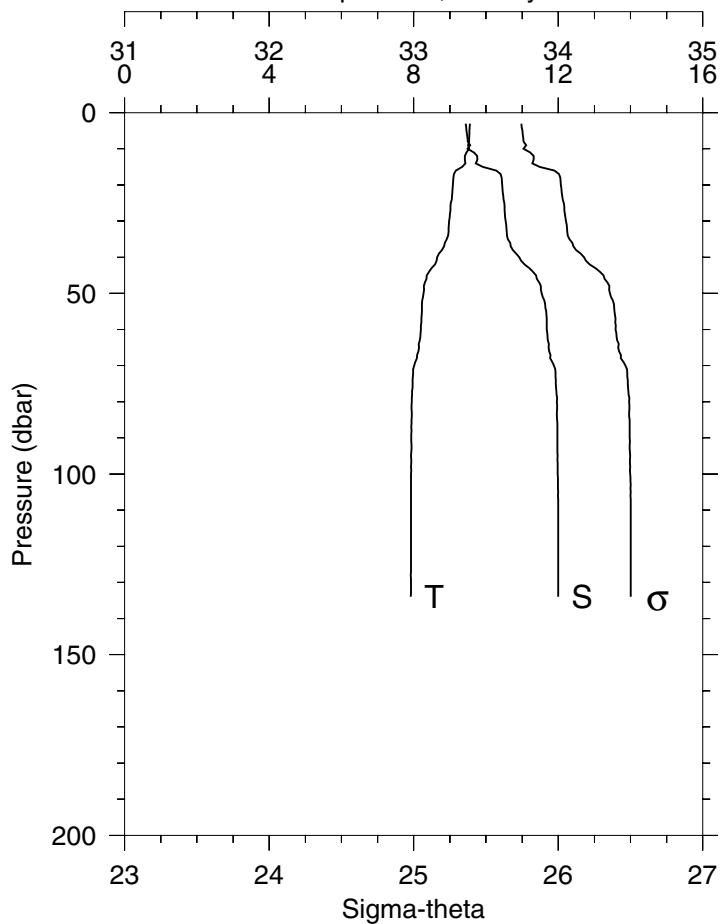
STA: 31 CR-2 LAT: 41 54.0 N LONG: 124 24.0 W
08 APR 2002 0210 GMT DEPTH 68



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.19	33.528	9.19	25.937	0.041	3.72	75.9
10	9.20	33.524	9.20	25.932	0.206	3.23	75.9
20	8.78	33.685	8.78	26.123	0.407	1.30	80.4
30	8.55	33.782	8.54	26.236	0.587	0.61	83.4
40	8.39	33.829	8.38	26.297	0.762	1.80	81.6
50	8.31	33.853	8.30	26.329	0.933	4.06	71.1
60	8.23	33.884	8.22	26.364	1.101	5.00	63.1
61	8.23	33.885	8.22	26.365	1.118	5.00	65.1

Station 32 CR-3
Temperature, Salinity

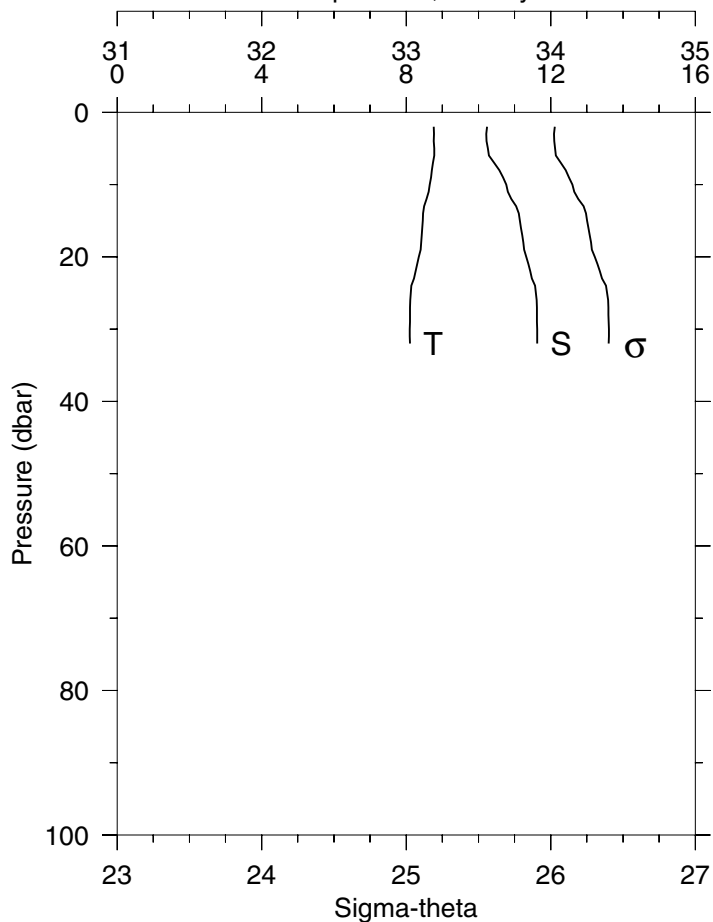
STA: 32 CR-3 LAT: 41 54.0 N LONG: 124 30.0 W
08 APR 2002 0416 GMT DEPTH 138



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.55	33.360	9.55	25.745	0.067	3.54	75.7
10	9.53	33.373	9.53	25.760	0.223	3.09	76.6
20	9.08	33.613	9.08	26.019	0.432	0.98	84.5
30	8.98	33.636	8.98	26.054	0.629	0.83	85.2
40	8.65	33.730	8.65	26.179	0.820	0.79	84.5
50	8.27	33.885	8.27	26.358	0.993	0.31	85.8
60	8.20	33.920	8.19	26.397	1.157	0.22	86.1
70	8.02	33.971	8.01	26.465	1.318	0.19	83.5
80	7.95	33.991	7.94	26.491	1.473	0.19	79.8
90	7.94	33.994	7.93	26.495	1.628	0.19	79.0
100	7.93	33.996	7.92	26.498	1.782	0.17	77.4
110	7.93	34.000	7.91	26.501	1.936	0.18	74.2
120	7.93	33.999	7.91	26.501	2.090	0.18	73.4
130	7.92	33.999	7.91	26.502	2.245	0.19	72.8
134	7.92	33.999	7.91	26.502	2.306	0.17	72.5

W0204A

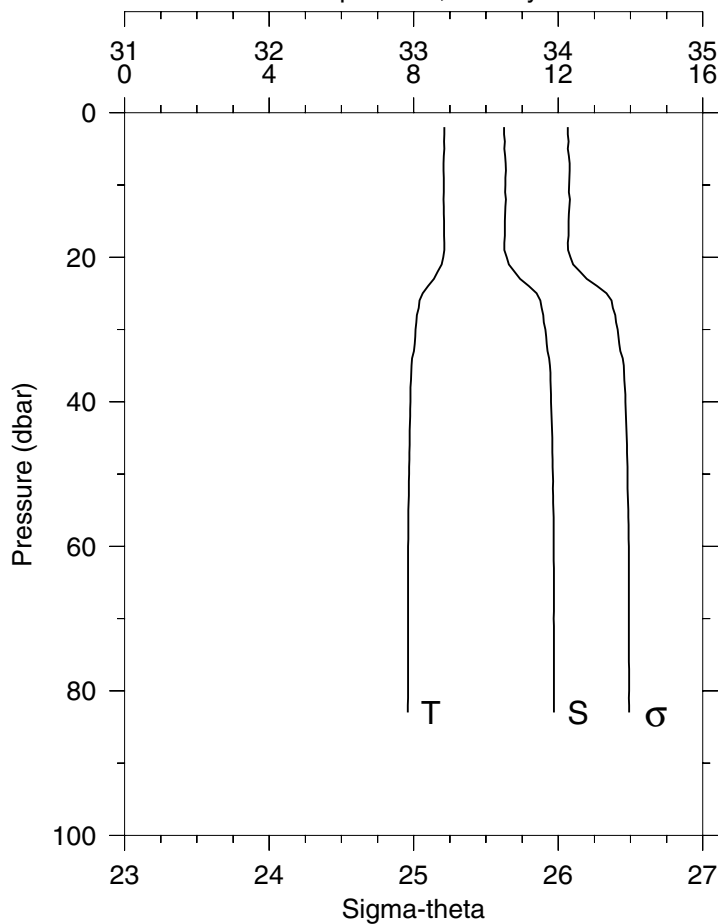
Station 33 RR-1
Temperature, Salinity



STA: 33 RR-1 LAT: 42 30.0 N LONG: 124 30.0 W
08 APR 2002 1504 GMT DEPTH 37

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.76	33.560	8.76	26.028	0.039	4.55	72.8
10	8.65	33.693	8.65	26.150	0.194	3.40	76.9
20	8.35	33.831	8.35	26.305	0.372	0.89	82.0
30	8.10	33.907	8.09	26.402	0.536	1.63	78.7
32	8.10	33.906	8.10	26.400	0.569	2.10	78.3

Station 34 RR-2
Temperature, Salinity



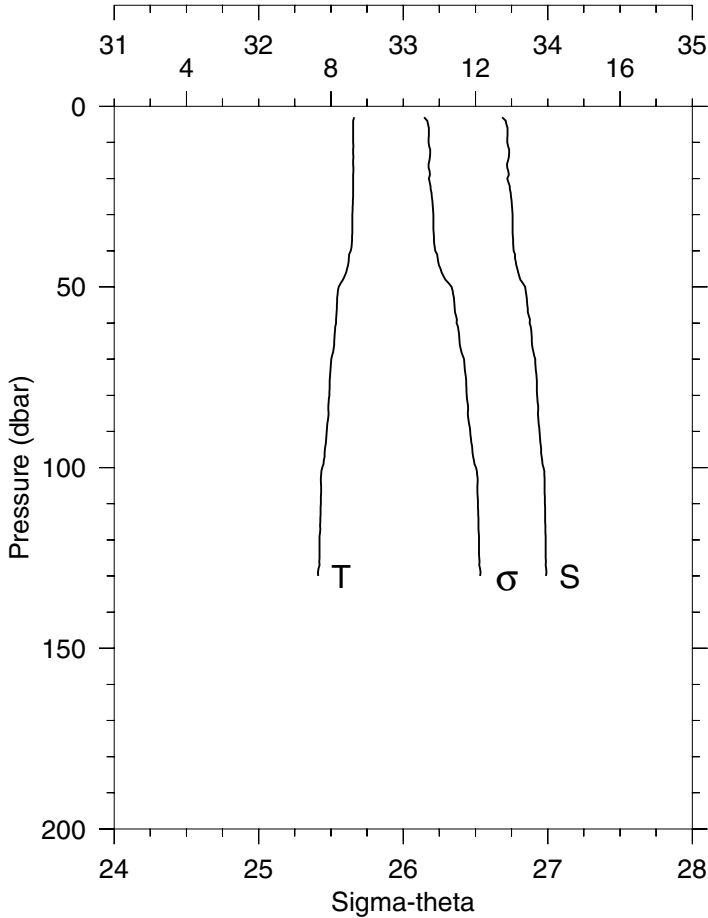
STA: 34 RR-2 LAT: 42 30.0 N LONG: 124 36.0 W
08 APR 2002 1610 GMT DEPTH 88

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.85	33.626	8.85	26.066	0.039	3.16	76.5
10	8.83	33.635	8.83	26.076	0.193	2.93	76.9
20	8.81	33.643	8.81	26.085	0.386	3.19	76.7
30	8.05	33.911	8.05	26.412	0.559	0.37	84.9
40	7.91	33.950	7.90	26.464	0.717	0.23	82.7
50	7.87	33.963	7.87	26.479	0.873	0.25	81.8
60	7.85	33.969	7.84	26.488	1.027	0.24	81.9
70	7.84	33.969	7.84	26.489	1.182	0.39	81.5
80	7.84	33.970	7.84	26.490	1.336	0.41	81.4
83	7.84	33.971	7.83	26.491	1.383	0.36	81.2

W0204A

Station 35 RR-3
Temperature, Salinity

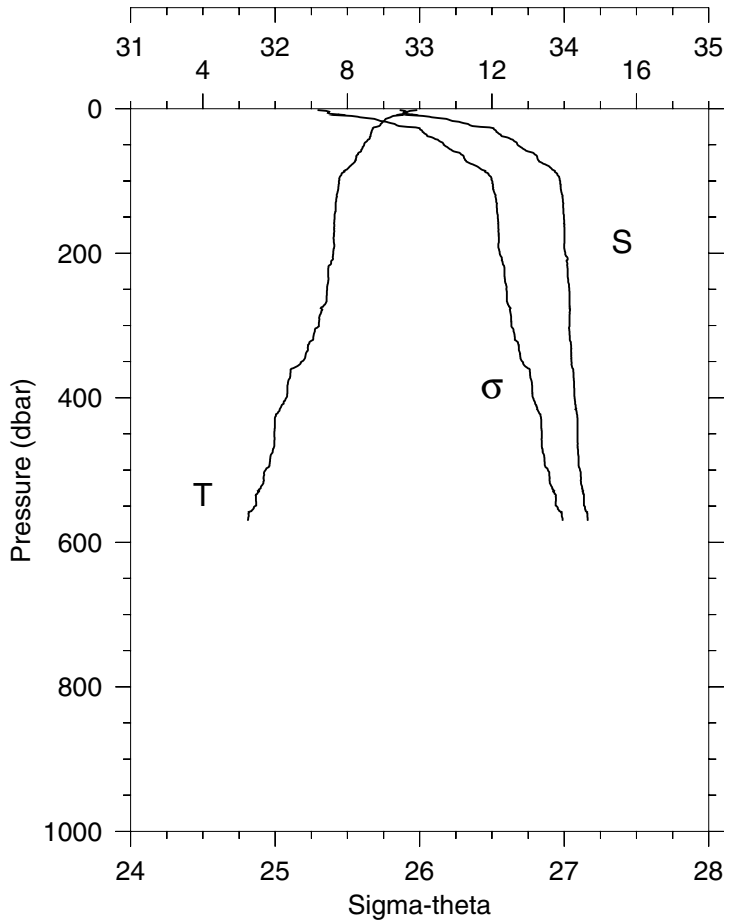
STA: 35 RR-3 LAT: 42 30.0 N LONG: 124 42.0 W
08 APR 2002 1801 GMT DEPTH 135



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	8.64	33.685	8.64	26.145	0.056	1.96	76.7
10	8.61	33.719	8.61	26.176	0.184	2.91	77.5
20	8.61	33.720	8.61	26.177	0.367	3.38	77.4
30	8.59	33.756	8.59	26.208	0.548	3.13	77.8
40	8.55	33.764	8.54	26.222	0.729	2.56	78.7
50	8.21	33.843	8.21	26.334	0.904	0.67	84.7
60	8.14	33.875	8.14	26.370	1.071	0.35	86.0
70	8.01	33.913	8.00	26.420	1.235	0.34	85.3
80	7.95	33.927	7.95	26.439	1.395	0.31	84.8
90	7.88	33.943	7.87	26.463	1.553	0.27	84.2
100	7.76	33.971	7.74	26.503	1.709	0.32	82.8
110	7.72	33.980	7.71	26.516	1.862	0.26	81.6
120	7.69	33.985	7.67	26.524	2.014	0.38	81.4
130	7.64	33.987	7.63	26.532	2.166	0.26	78.2

Station 36 RR-4
Temperature, Salinity

STA: 36 RR-4 LAT: 42 30.0 N LONG: 124 48.1 W
08 APR 2002 2005 GMT DEPTH 584

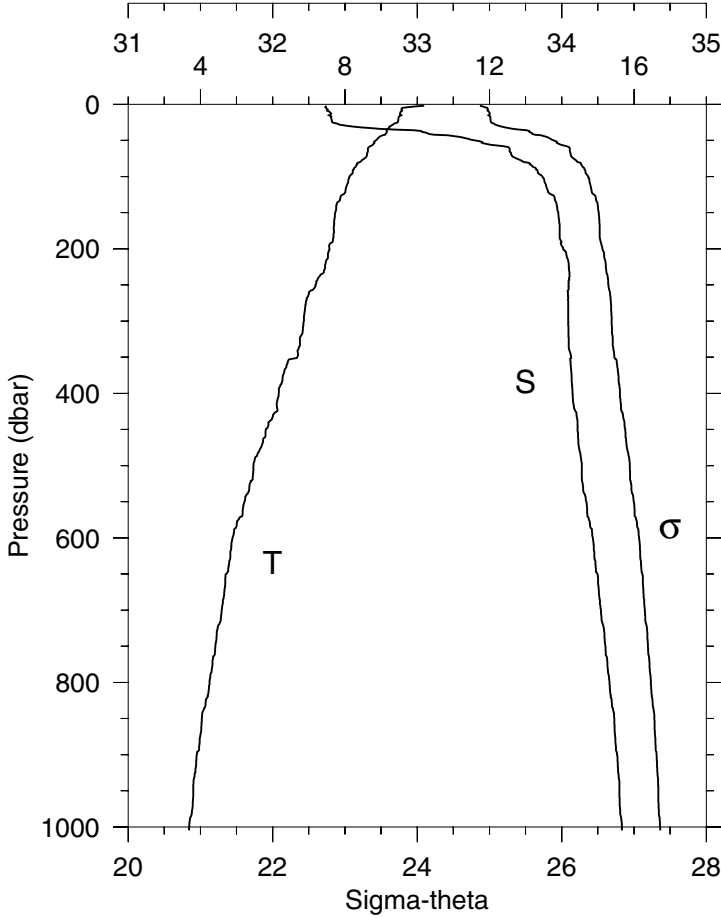


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.93	32.862	9.93	25.294	0.053	4.88	60.3
10	9.27	33.022	9.27	25.528	0.260	5.00	66.3
20	8.95	33.305	8.95	25.800	0.490	0.68	85.3
30	8.68	33.525	8.68	26.014	0.698	0.43	86.1
40	8.62	33.608	8.61	26.089	0.894	0.32	84.3
50	8.46	33.677	8.46	26.166	1.082	0.28	84.6
60	8.35	33.763	8.34	26.251	1.263	0.52	84.1
70	8.23	33.818	8.22	26.313	1.436	0.30	84.7
80	8.06	33.898	8.05	26.401	1.604	0.29	84.5
90	7.84	33.951	7.83	26.475	1.764	0.27	82.3
100	7.77	33.972	7.76	26.502	1.918	0.38	82.2
110	7.75	33.976	7.74	26.508	2.072	0.21	82.1
120	7.70	33.988	7.69	26.525	2.225	0.27	83.0
130	7.68	33.992	7.66	26.532	2.377	0.24	83.0
140	7.67	33.994	7.66	26.534	2.528	0.23	82.9
150	7.64	33.998	7.63	26.541	2.679	0.25	82.8
175	7.62	34.001	7.61	26.547	3.056	0.22	82.9
200	7.61	34.007	7.59	26.554	3.433	0.21	83.0
225	7.47	34.024	7.45	26.587	3.805	0.18	82.7
250	7.44	34.035	7.42	26.600	4.174	0.16	83.9
275	7.28	34.038	7.25	26.626	4.541	0.17	84.5
300	7.21	34.036	7.18	26.634	4.902	0.17	84.5
350	6.73	34.049	6.70	26.710	5.606	0.15	86.1
400	6.31	34.071	6.27	26.784	6.270	0.16	86.1
450	5.98	34.093	5.94	26.844	6.906	0.15	87.5
500	5.74	34.109	5.69	26.887	7.531	0.15	87.1
570	5.24	34.164	5.20	26.990	8.355	0.16	86.6

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Station 37 RR-5
Temperature, Salinity

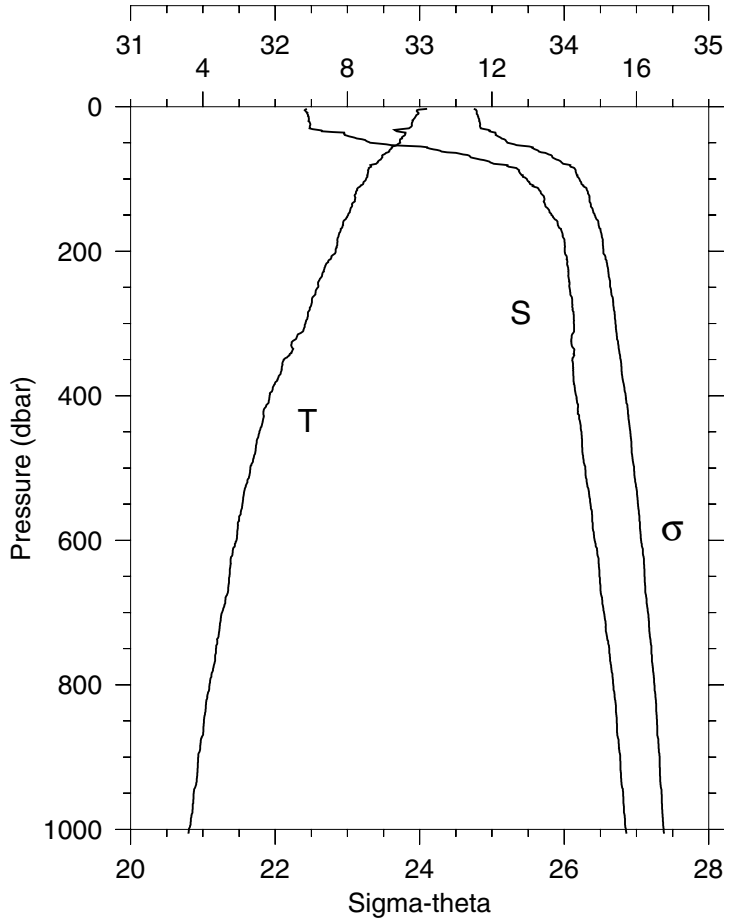
STA: 37 RR-5 LAT: 42 30.0 N LONG: 124 54.0 W
08 APR 2002 2251 GMT DEPTH 1158



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.19	32.370	10.19	24.868	0.061	4.62	66.9
10	9.54	32.391	9.54	24.991	0.301	5.00	66.5
20	9.47	32.406	9.47	25.013	0.596	4.45	72.9
30	9.27	32.518	9.27	25.134	0.887	0.64	87.6
40	9.14	33.071	9.13	25.588	1.145	0.33	87.7
50	8.86	33.397	8.85	25.886	1.368	0.20	87.7
60	8.65	33.633	8.65	26.103	1.570	0.19	87.1
70	8.61	33.652	8.60	26.125	1.760	0.25	87.1
80	8.41	33.743	8.40	26.227	1.946	0.22	86.5
90	8.25	33.821	8.24	26.313	2.120	0.25	86.5
100	8.12	33.866	8.11	26.367	2.290	0.22	86.5
110	8.07	33.888	8.06	26.392	2.455	0.21	86.7
120	8.01	33.904	8.00	26.413	2.618	0.23	85.7
130	7.87	33.950	7.86	26.471	2.778	0.25	85.3
140	7.76	33.966	7.75	26.499	2.934	0.20	85.7
150	7.73	33.976	7.72	26.511	3.089	0.18	85.8
175	7.69	33.986	7.68	26.525	3.471	0.21	85.3
200	7.57	34.010	7.55	26.562	3.851	0.17	87.8
225	7.45	34.050	7.43	26.611	4.219	0.16	87.7
250	7.18	34.047	7.16	26.646	4.579	0.16	87.2
275	6.92	34.045	6.89	26.681	4.930	0.15	86.3
300	6.86	34.045	6.83	26.690	5.278	0.15	86.2
350	6.68	34.064	6.64	26.729	5.967	0.16	87.9
400	6.17	34.075	6.13	26.805	6.622	0.16	86.4
450	5.81	34.110	5.77	26.878	7.253	0.16	89.1
500	5.47	34.139	5.43	26.943	7.852	0.15	89.0
600	4.89	34.215	4.84	27.072	8.969	0.15	88.2
800	4.25	34.331	4.19	27.234	10.927	0.15	88.4
1000	3.69	34.417	3.61	27.361	12.613	0.15	88.2
1005	3.69	34.416	3.61	27.361	12.653	0.15	88.1

Station 38 RR-6
Temperature, Salinity

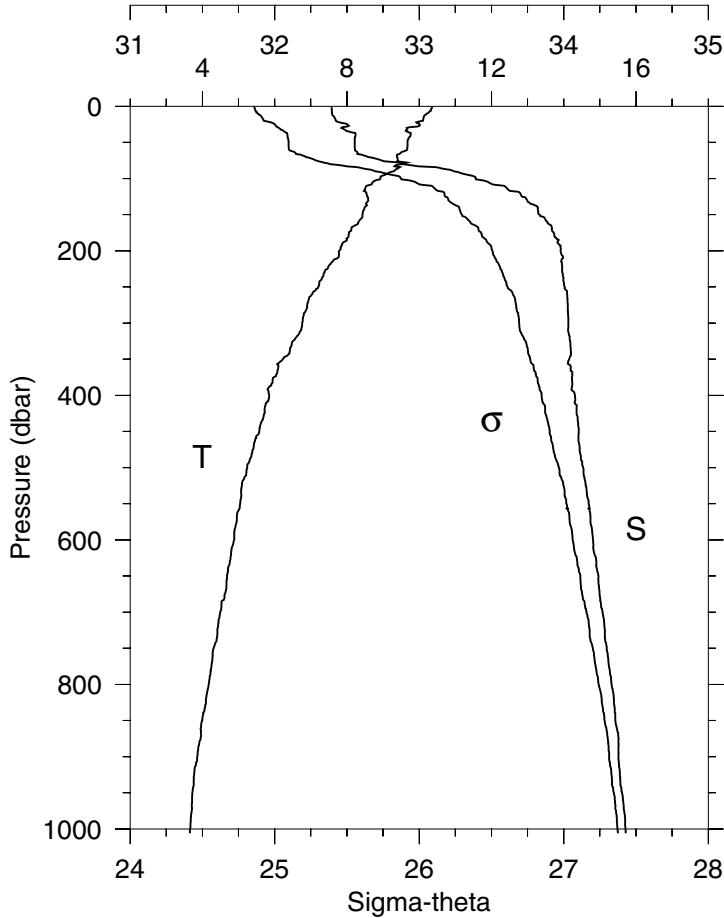
STA: 38 RR-6 LAT: 42 30.0 N LONG: 125 0.1 W
09 APR 2002 0020 GMT DEPTH 1768



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.20	32.220	10.20	24.748	0.096	3.46	73.6
10	9.97	32.223	9.96	24.790	0.316	4.28	71.5
20	9.81	32.230	9.81	24.822	0.629	4.79	70.1
30	9.70	32.237	9.70	24.844	0.940	3.36	74.0
40	9.57	32.494	9.57	25.066	1.236	1.24	84.0
50	9.46	32.657	9.45	25.213	1.517	0.93	85.1
60	9.17	33.120	9.16	25.621	1.770	0.53	86.9
70	8.97	33.354	8.96	25.836	1.995	0.27	87.4
80	8.68	33.571	8.68	26.050	2.203	0.22	87.5
90	8.58	33.688	8.57	26.159	2.392	0.23	87.4
100	8.51	33.741	8.50	26.210	2.577	0.17	87.5
110	8.36	33.783	8.35	26.267	2.756	0.24	86.7
120	8.23	33.840	8.22	26.330	2.928	0.23	86.7
130	8.21	33.861	8.19	26.351	3.097	0.35	86.1
140	8.09	33.882	8.08	26.384	3.265	0.27	86.5
150	8.02	33.912	8.01	26.419	3.429	0.28	85.6
175	7.77	33.987	7.76	26.514	3.823	0.19	87.1
200	7.67	34.004	7.65	26.543	4.204	0.17	88.1
225	7.35	34.028	7.33	26.607	4.575	0.16	88.8
250	7.18	34.036	7.16	26.637	4.936	0.16	88.9
275	7.00	34.057	6.97	26.680	5.289	0.16	89.0
300	6.84	34.067	6.81	26.709	5.634	0.16	89.2
350	6.24	34.057	6.21	26.781	6.304	0.15	89.1
400	5.84	34.083	5.81	26.852	6.944	0.15	89.1
450	5.56	34.119	5.53	26.915	7.551	0.15	89.2
500	5.31	34.146	5.27	26.967	8.135	0.15	89.1
600	4.93	34.211	4.88	27.064	9.230	0.15	89.1
800	4.19	34.340	4.13	27.248	11.174	0.15	89.2
1000	3.61	34.427	3.54	27.377	12.842	0.15	88.4
1006	3.60	34.429	3.53	27.380	12.889	0.15	88.5

W0204A

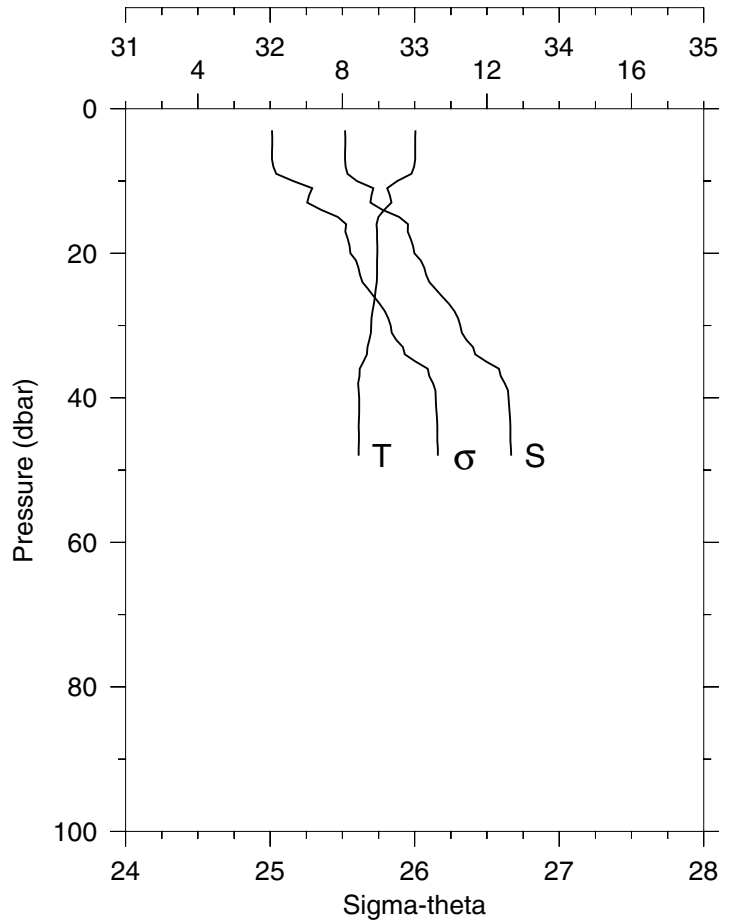
Station 39 RR-7
Temperature, Salinity



STA: 39 RR-7 LAT: 42 30.0 N LONG: 125 12.1 W
09 APR 2002 0224 GMT DEPTH 2970

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	10.38	32.393	10.38	24.854	0.031	1.85	80.1
10	10.22	32.396	10.22	24.884	0.308	1.63	80.4
20	10.10	32.423	10.10	24.924	0.611	1.27	78.4
30	9.66	32.461	9.65	25.027	0.907	2.94	78.8
40	9.76	32.560	9.76	25.088	1.197	0.51	85.9
50	9.68	32.553	9.67	25.096	1.484	0.33	87.5
60	9.67	32.555	9.66	25.099	1.770	0.30	87.8
70	9.38	32.644	9.37	25.215	2.052	0.24	88.3
80	9.51	32.886	9.50	25.384	2.320	0.21	88.3
90	9.28	33.242	9.27	25.699	2.562	0.19	88.2
100	8.92	33.393	8.91	25.874	2.782	0.16	88.2
110	8.54	33.587	8.53	26.086	2.987	0.16	88.4
120	8.54	33.698	8.53	26.173	3.177	0.16	88.4
130	8.59	33.746	8.58	26.202	3.361	0.16	88.4
140	8.48	33.821	8.47	26.277	3.541	0.16	88.6
150	8.43	33.833	8.42	26.295	3.717	0.16	88.6
175	8.05	33.930	8.04	26.428	4.136	0.15	88.7
200	7.79	33.978	7.77	26.506	4.532	0.15	88.8
225	7.45	33.989	7.43	26.562	4.914	0.17	89.0
250	7.21	34.006	7.18	26.611	5.284	0.16	89.1
275	6.90	34.027	6.87	26.670	5.639	0.15	88.4
300	6.76	34.031	6.74	26.692	5.988	0.15	88.8
350	6.22	34.038	6.19	26.768	6.664	0.16	89.2
400	5.84	34.077	5.81	26.847	7.304	0.16	89.3
450	5.57	34.104	5.54	26.902	7.914	0.15	89.4
500	5.24	34.134	5.20	26.966	8.501	0.15	89.5
600	4.88	34.203	4.83	27.062	9.595	0.15	89.3
800	4.17	34.330	4.11	27.242	11.545	0.15	89.4
1000	3.66	34.427	3.59	27.372	13.210	0.15	89.4
1006	3.65	34.428	3.57	27.374	13.257	0.16	89.3

Station 40 HH-1
Temperature, Salinity

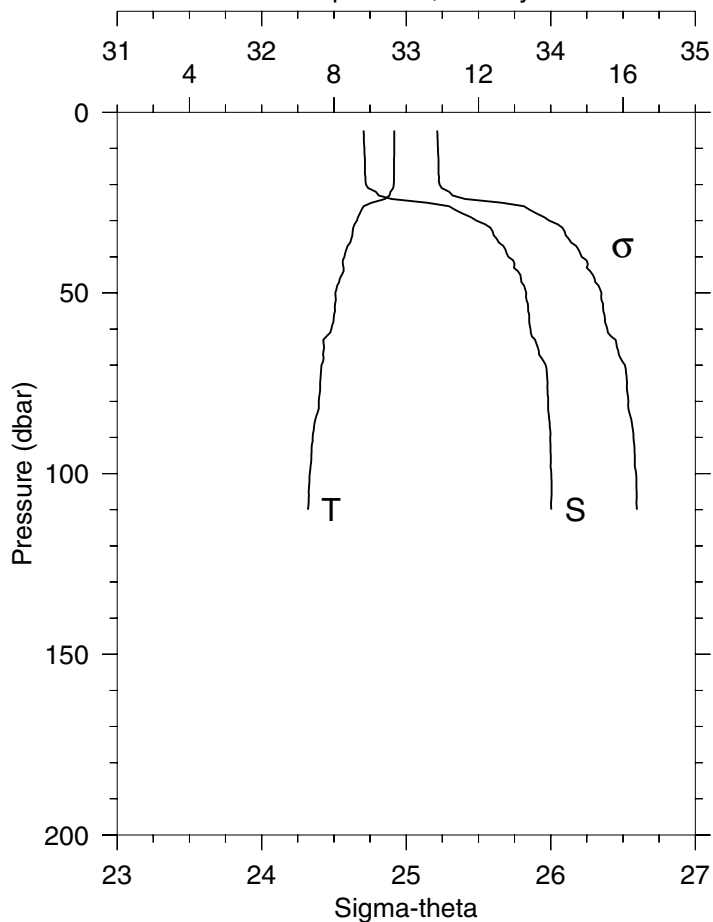


STA: 40 HH-1 LAT: 44 0.2 N LONG: 124 12.1 W
09 APR 2002 1245 GMT DEPTH 54

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.02	32.518	10.02	25.012	0.088	5.00	54.6
10	9.52	32.600	9.52	25.158	0.293	5.00	65.7
20	8.97	32.998	8.97	25.556	0.548	0.56	85.8
30	8.79	33.316	8.79	25.833	0.778	0.76	83.8
40	8.46	33.649	8.46	26.145	0.978	0.28	81.9
48	8.45	33.667	8.44	26.161	1.127	0.27	78.8

W0204A

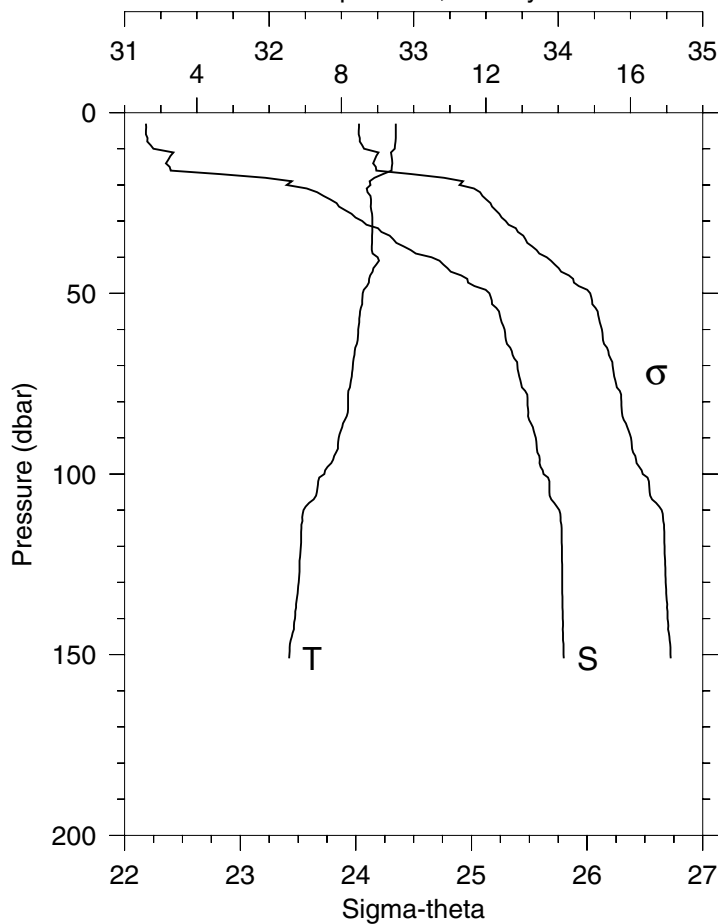
Station 41 HH-2
Temperature, Salinity



STA: 41 HH-2 LAT: 44 0.1 N LONG: 124 24.0 W
09 APR 2002 1420 GMT DEPTH 120

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
5	9.67	32.705	9.67	25.215	0.137	5.00	55.5
10	9.67	32.710	9.67	25.220	0.274	5.00	56.0
20	9.66	32.722	9.65	25.231	0.548	5.00	56.2
30	8.64	33.486	8.63	25.990	0.786	0.50	79.6
40	8.29	33.706	8.29	26.215	0.974	0.23	85.3
50	8.04	33.831	8.03	26.351	1.147	0.18	84.8
60	7.93	33.860	7.92	26.391	1.313	0.18	84.6
70	7.65	33.966	7.65	26.513	1.471	0.17	88.1
80	7.58	33.982	7.58	26.537	1.622	0.16	88.8
90	7.41	33.997	7.40	26.573	1.770	0.16	88.4
100	7.33	34.004	7.32	26.590	1.916	0.16	84.5
110	7.28	34.004	7.27	26.597	2.061	0.18	78.7

Station 42 HH-3
Temperature, Salinity

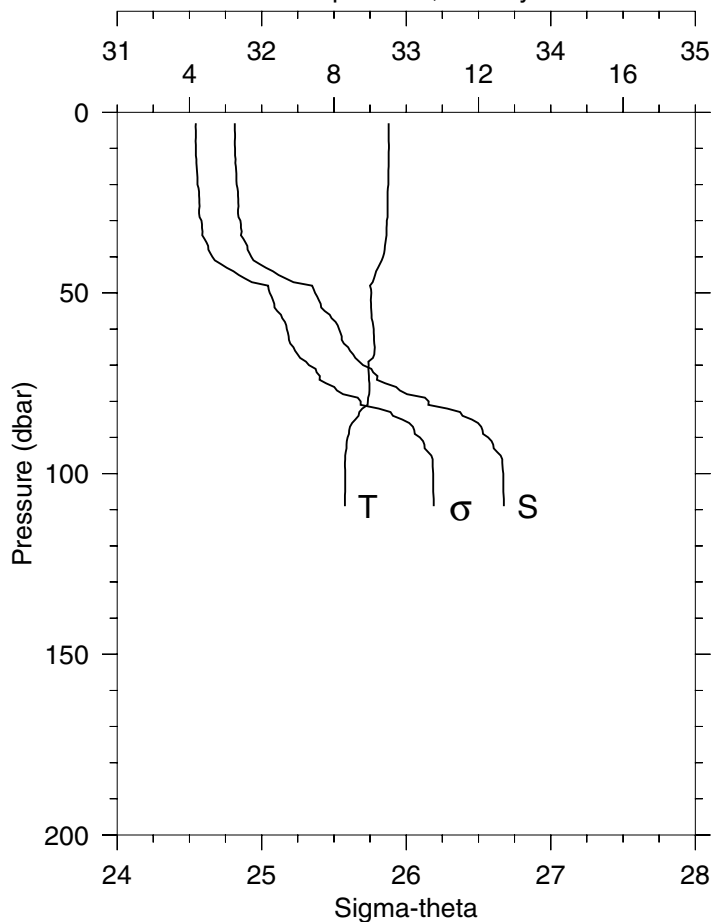


STA: 42 HH-3 LAT: 44 0.1 N LONG: 124 36.0 W
09 APR 2002 1619 GMT DEPTH 155

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.51	31.148	9.51	24.026	0.116	1.03	83.7
10	9.47	31.199	9.47	24.071	0.387	1.18	83.6
20	8.80	32.122	8.80	24.896	0.742	2.87	80.0
30	8.85	32.643	8.85	25.296	1.024	0.60	86.1
40	9.00	33.124	9.00	25.650	1.275	0.91	83.5
50	8.59	33.524	8.59	26.027	1.491	0.24	85.4
60	8.47	33.629	8.46	26.128	1.685	0.19	86.6
70	8.31	33.718	8.31	26.221	1.869	0.18	86.4
80	8.18	33.788	8.18	26.296	2.046	0.17	85.7
90	7.93	33.845	7.92	26.379	2.216	0.17	85.2
100	7.52	33.899	7.51	26.480	2.378	0.19	85.1
110	6.95	34.008	6.94	26.645	2.526	0.17	84.2
120	6.88	34.025	6.87	26.669	2.665	0.17	80.4
130	6.82	34.028	6.80	26.680	2.803	0.17	78.9
140	6.71	34.031	6.70	26.696	2.939	0.17	80.4
150	6.56	34.036	6.55	26.721	3.074	0.17	80.6
151	6.55	34.038	6.54	26.723	3.087	0.17	78.9

W0204A

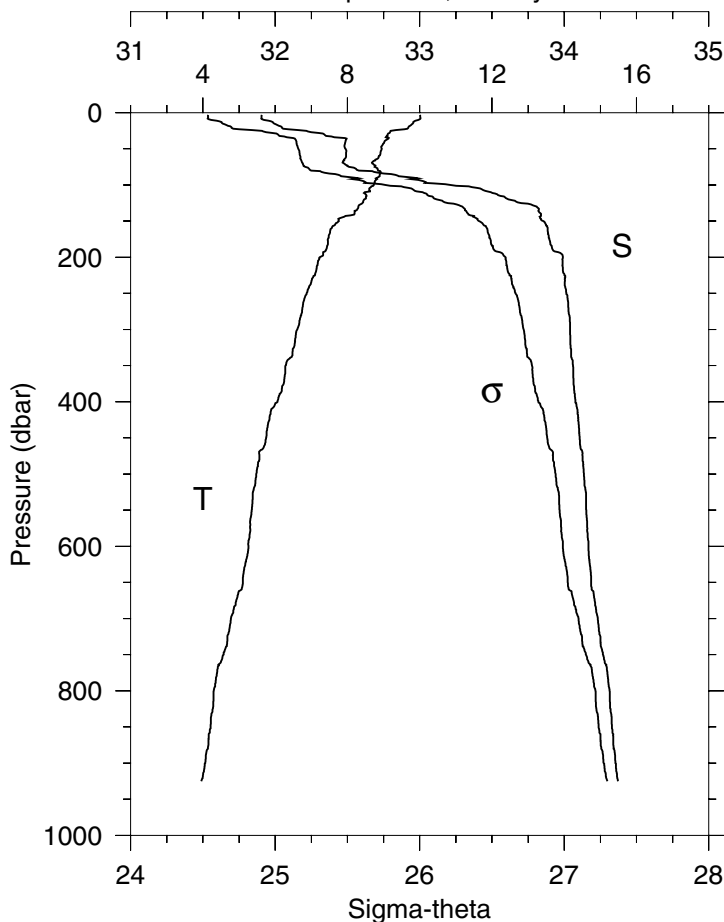
Station 43 HH-4
Temperature, Salinity



STA: 43 HH-4 LAT: 44 0.1 N LONG: 124 48.0 W
09 APR 2002 1752 GMT DEPTH 113

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.52	31.814	9.52	24.544	0.101	3.19	76.7
10	9.52	31.815	9.52	24.544	0.338	2.54	76.7
20	9.50	31.826	9.50	24.556	0.676	3.43	76.0
30	9.46	31.852	9.46	24.583	1.013	3.48	76.0
40	9.36	31.928	9.35	24.659	1.345	1.98	76.5
50	9.03	32.370	9.03	25.055	1.654	0.70	86.6
60	9.10	32.535	9.09	25.174	1.939	0.29	88.5
70	8.96	32.702	8.95	25.327	2.214	0.20	88.6
80	8.94	33.155	8.93	25.685	2.465	0.19	87.7
90	8.38	33.567	8.37	26.094	2.672	0.19	87.0
100	8.31	33.672	8.30	26.187	2.859	0.18	86.1
109	8.31	33.676	8.29	26.191	3.024	0.19	85.8

Station 44 HH-5
Temperature, Salinity



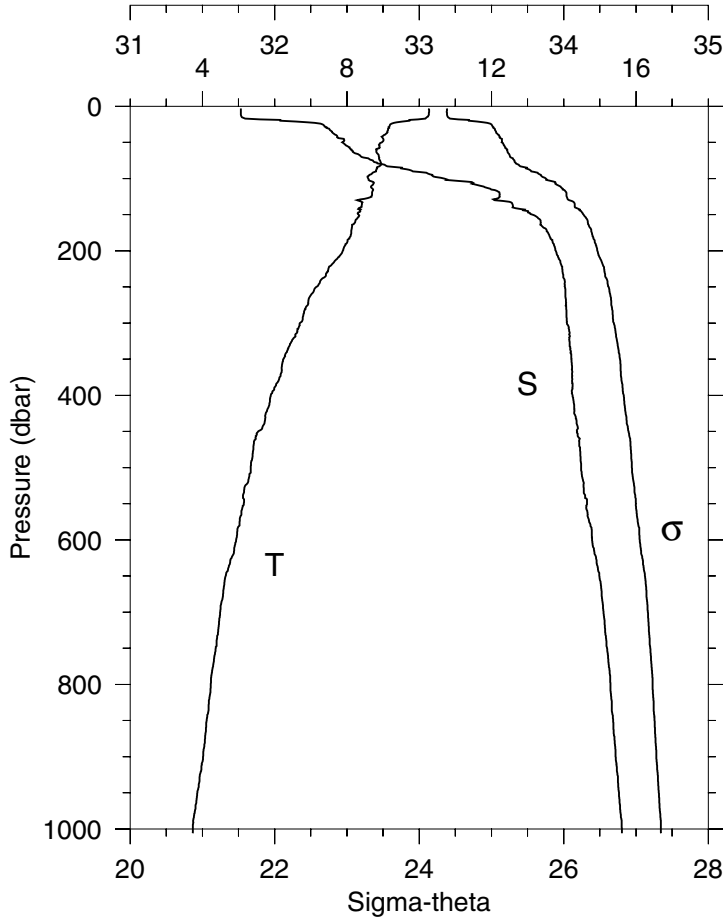
STA: 44 HH-5 LAT: 44 0.1 N LONG: 125 0.1 W
09 APR 2002 1919 GMT DEPTH 927

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.01	31.907	10.01	24.537	0.102	0.50	83.9
10	9.96	31.923	9.96	24.557	0.339	0.56	84.3
20	9.69	32.045	9.69	24.697	0.668	0.93	83.3
30	9.11	32.339	9.11	25.018	0.977	1.08	83.8
40	9.02	32.486	9.02	25.147	1.263	0.67	85.0
50	8.95	32.487	8.94	25.160	1.544	0.97	84.2
60	8.87	32.490	8.86	25.174	1.824	0.52	85.7
70	8.68	32.475	8.68	25.191	2.103	0.63	87.2
80	8.85	32.579	8.84	25.248	2.378	0.38	87.6
90	8.82	32.963	8.81	25.553	2.636	1.22	83.4
100	8.73	33.213	8.72	25.764	2.874	0.72	86.4
110	8.48	33.493	8.47	26.021	3.083	0.24	88.5
120	8.46	33.614	8.45	26.118	3.279	0.18	88.7
130	8.30	33.809	8.29	26.295	3.461	0.16	88.9
140	8.20	33.840	8.19	26.335	3.633	0.15	88.5
150	7.76	33.854	7.75	26.410	3.799	0.18	85.1
175	7.46	33.897	7.44	26.489	4.195	0.17	86.5
200	7.23	33.990	7.21	26.594	4.578	0.16	87.8
225	7.10	34.002	7.08	26.622	4.942	0.16	87.6
250	6.87	34.014	6.85	26.663	5.298	0.18	85.8
275	6.75	34.030	6.72	26.693	5.645	0.16	84.2
300	6.61	34.040	6.59	26.719	5.988	0.16	85.3
350	6.29	34.061	6.26	26.777	6.659	0.16	87.4
400	6.06	34.078	6.03	26.821	7.307	0.15	88.3
450	5.75	34.106	5.71	26.882	7.925	0.16	87.9
500	5.48	34.137	5.44	26.940	8.519	0.15	88.2
600	5.26	34.167	5.21	26.990	9.666	0.15	87.9
800	4.30	34.314	4.24	27.216	11.737	0.15	88.9
925	3.95	34.373	3.88	27.299	12.857	0.15	88.0

W0204A

Station 45 HH-7
Temperature, Salinity

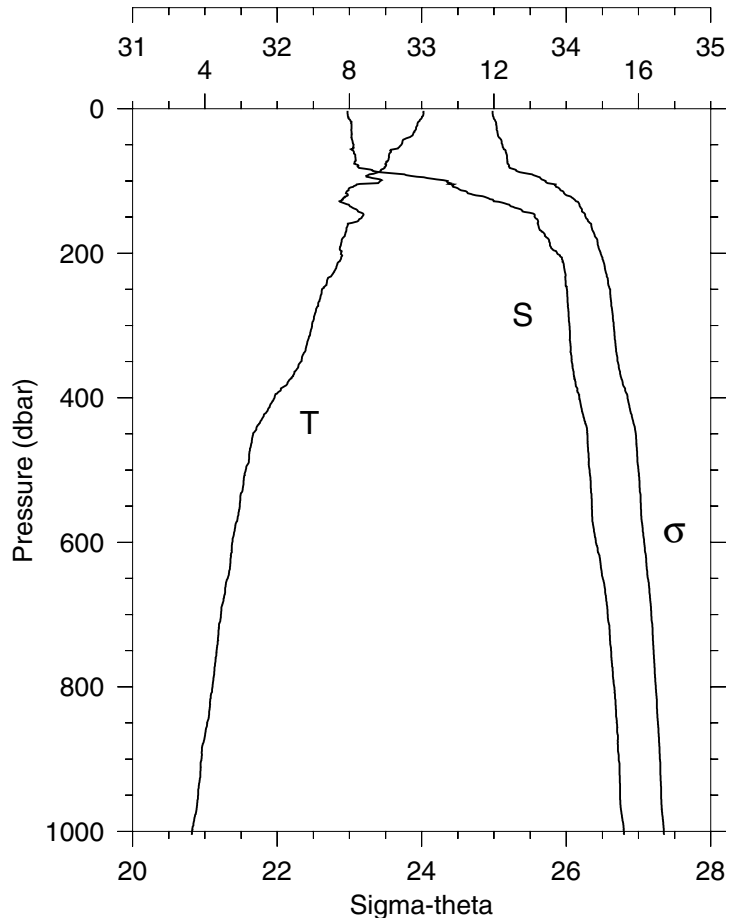
STA: 45 HH-7 LAT: 44 0.1 N LONG: 125 12.1 W
09 APR 2002 2110 GMT DEPTH 1687



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.27	31.765	10.27	24.382	0.106	0.30	86.1
10	10.27	31.766	10.27	24.384	0.354	0.34	86.2
20	9.73	32.039	9.73	24.685	0.701	1.54	82.0
30	9.16	32.358	9.16	25.025	1.001	3.69	79.2
40	9.02	32.426	9.01	25.102	1.290	1.73	81.4
50	8.97	32.467	8.96	25.141	1.573	1.67	84.3
60	8.80	32.532	8.80	25.218	1.852	0.37	86.5
70	8.89	32.602	8.88	25.260	2.125	0.40	87.1
80	8.95	32.743	8.94	25.360	2.392	0.23	86.7
90	8.80	32.956	8.79	25.550	2.644	0.70	85.8
100	8.59	33.173	8.58	25.754	2.877	0.45	87.3
110	8.68	33.422	8.67	25.935	3.093	0.45	88.3
120	8.70	33.556	8.68	26.037	3.296	0.28	88.5
130	8.28	33.522	8.27	26.074	3.493	0.19	89.0
140	8.38	33.646	8.36	26.157	3.682	0.15	89.1
150	8.32	33.782	8.31	26.272	3.862	0.16	89.0
175	8.12	33.891	8.10	26.388	4.288	0.15	89.0
200	7.88	33.945	7.86	26.466	4.694	0.15	89.0
225	7.48	33.990	7.46	26.559	5.081	0.15	89.3
250	7.15	34.008	7.12	26.620	5.451	0.15	89.4
275	6.92	34.016	6.89	26.659	5.808	0.15	89.5
300	6.70	34.023	6.67	26.694	6.158	0.16	89.5
350	6.24	34.052	6.20	26.778	6.830	0.15	89.4
400	5.89	34.061	5.86	26.829	7.475	0.15	89.6
450	5.55	34.093	5.51	26.896	8.095	0.15	89.7
500	5.34	34.121	5.30	26.943	8.683	0.15	89.8
600	4.93	34.196	4.88	27.051	9.798	0.15	89.8
800	4.23	34.323	4.17	27.230	11.745	0.15	89.7
1000	3.73	34.402	3.66	27.345	13.469	0.15	89.8
1006	3.72	34.403	3.65	27.347	13.518	0.15	89.7

Station 46 HH-9
Temperature, Salinity

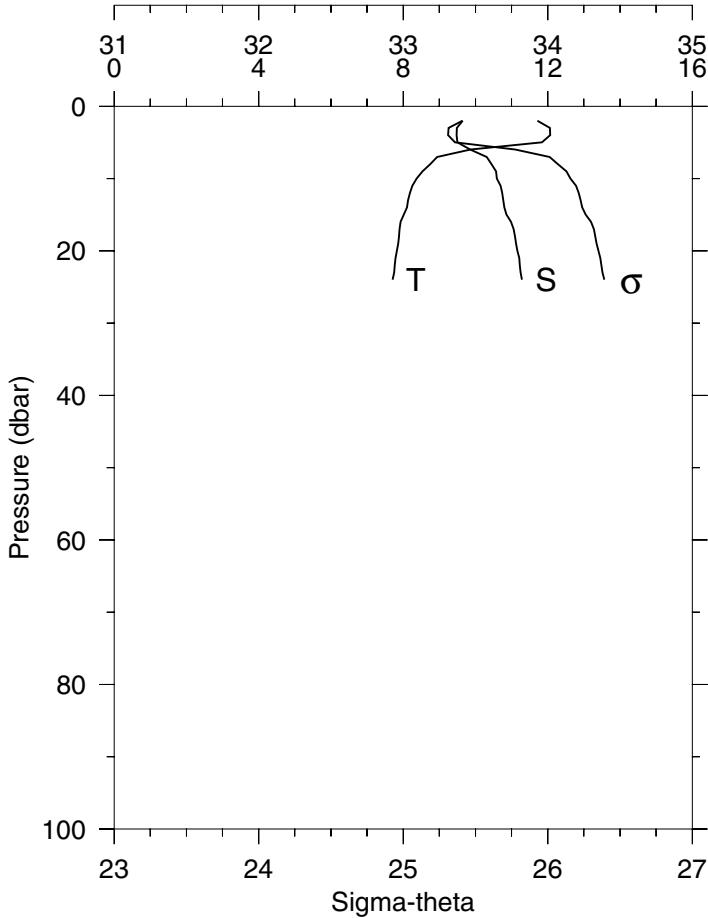
STA: 46 HH-9 LAT: 44 0.1 N LONG: 125 30.0 W
09 APR 2002 2305 GMT DEPTH 3016



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.05	32.486	10.05	24.981	0.089	0.31	86.1
10	10.04	32.488	10.04	24.985	0.297	0.35	86.1
20	9.89	32.510	9.89	25.028	0.591	0.54	85.9
30	9.82	32.512	9.82	25.040	0.883	0.72	85.9
40	9.64	32.512	9.63	25.071	1.173	0.69	86.4
50	9.44	32.529	9.43	25.116	1.459	0.72	87.2
60	9.15	32.531	9.15	25.163	1.742	0.56	88.1
70	9.08	32.543	9.08	25.183	2.021	0.39	88.6
80	8.99	32.557	8.99	25.208	2.299	0.29	88.8
90	8.66	32.836	8.65	25.478	2.566	0.19	89.1
100	8.86	33.178	8.85	25.716	2.804	0.16	88.8
110	7.99	33.249	7.98	25.901	3.024	0.15	89.0
120	7.96	33.377	7.95	26.008	3.230	0.15	89.1
130	7.80	33.557	7.79	26.171	3.422	0.14	89.2
140	8.20	33.689	8.19	26.216	3.606	0.15	89.1
150	8.35	33.782	8.33	26.268	3.785	0.15	89.0
175	7.87	33.853	7.86	26.394	4.210	0.15	89.2
200	7.77	33.937	7.75	26.476	4.614	0.14	89.2
225	7.58	33.991	7.56	26.545	5.000	0.15	89.2
250	7.24	34.006	7.21	26.607	5.373	0.16	89.4
275	7.10	34.013	7.07	26.631	5.736	0.15	89.4
300	6.97	34.022	6.94	26.657	6.094	0.15	89.3
350	6.66	34.038	6.63	26.711	6.794	0.15	89.2
400	5.93	34.091	5.89	26.848	7.452	0.15	88.5
450	5.33	34.147	5.30	26.964	8.048	0.15	88.9
500	5.13	34.162	5.09	27.001	8.610	0.15	89.3
600	4.76	34.205	4.71	27.078	9.687	0.15	89.7
800	4.21	34.332	4.15	27.240	11.607	0.15	89.5
1000	3.64	34.399	3.57	27.352	13.312	0.15	89.9
1005	3.63	34.401	3.56	27.354	13.352	0.15	89.9

W0207A

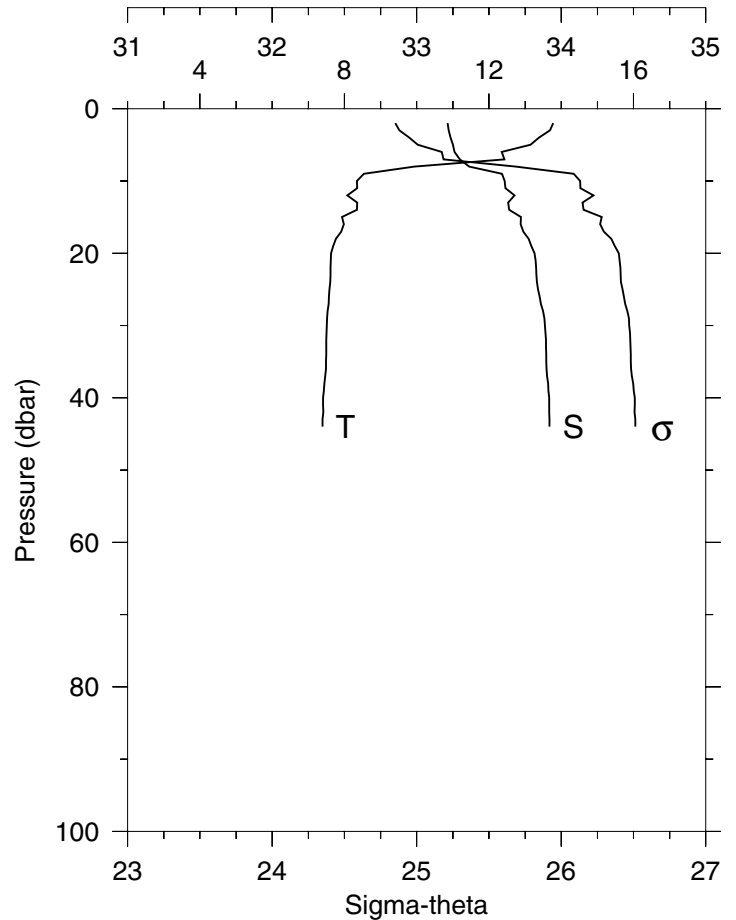
Station 1 NH-1
Temperature, Salinity



STA: 1 NH-1 LAT: 44 39.0 N LONG: 124 6.1 W
09 JUL 2002 2217 GMT DEPTH 29

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.72	33.411	11.72	25.409	0.051	5.00	38.3
10	8.37	33.648	8.37	26.157	0.232	5.00	67.4
20	7.82	33.790	7.82	26.350	0.407	1.91	80.6
24	7.71	33.822	7.71	26.392	0.473	1.71	82.2

Station 2 NH-3
Temperature, Salinity



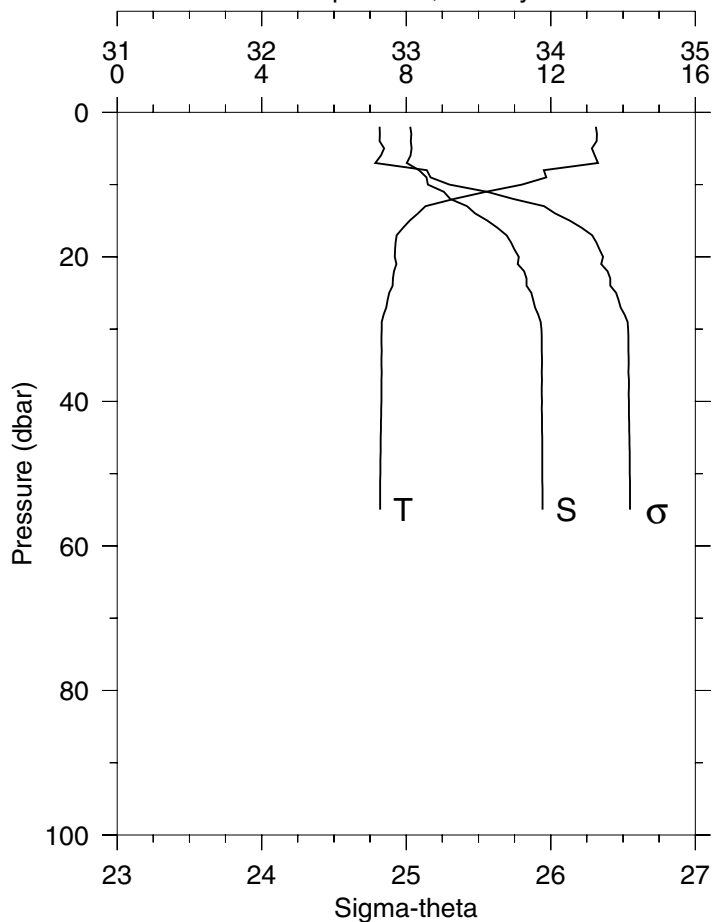
STA: 2 NH-3 LAT: 44 39.1 N LONG: 124 7.9 W
09 JUL 2002 2255 GMT DEPTH 48

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.78	33.214	13.78	24.853	0.062	5.00	36.1
10	8.34	33.609	8.34	26.131	0.274	5.00	70.6
20	7.63	33.816	7.63	26.399	0.451	0.64	87.5
30	7.51	33.887	7.51	26.471	0.610	0.53	87.6
40	7.41	33.916	7.40	26.509	0.764	0.66	86.7
44	7.40	33.919	7.39	26.513	0.825	0.56	86.6

W0207A

Station 3 NH-5
Temperature, Salinity

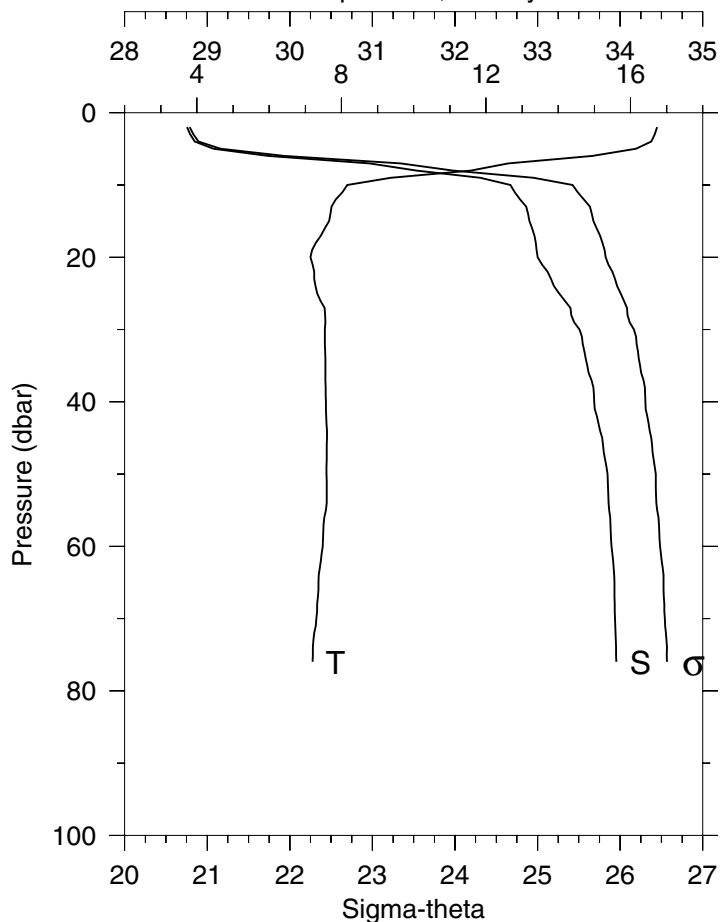
STA: 3 NH-5 LAT: 44 39.1 N LONG: 124 10.8 W
09 JUL 2002 2353 GMT DEPTH 60



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.25	33.027	13.25	24.816	0.062	5.00	35.5
10	11.21	33.149	11.20	25.299	0.304	5.00	36.1
20	7.68	33.779	7.68	26.362	0.500	0.79	87.6
30	7.32	33.935	7.32	26.536	0.657	0.48	87.5
40	7.31	33.939	7.31	26.540	0.807	0.57	86.5
50	7.28	33.942	7.28	26.547	0.955	0.52	86.0
55	7.28	33.943	7.27	26.549	1.030	0.58	85.2

Station 4 NH-10
Temperature, Salinity

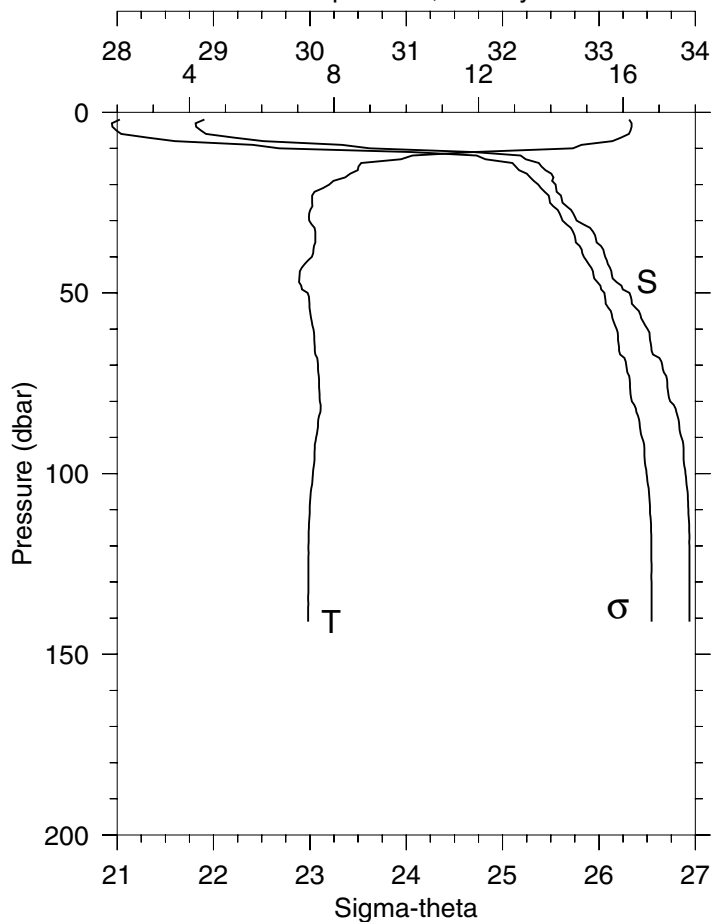
STA: 4 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W
10 JUL 2002 0132 GMT DEPTH 81



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.74	28.754	16.74	20.787	0.139	5.00	41.8
10	8.16	32.673	8.16	25.424	0.565	2.74	79.3
20	7.14	33.001	7.14	25.825	0.796	0.53	88.8
30	7.54	33.507	7.54	26.168	0.996	0.44	89.4
40	7.57	33.686	7.57	26.305	1.173	0.38	89.6
50	7.59	33.847	7.58	26.430	1.338	0.38	89.8
60	7.48	33.896	7.47	26.483	1.496	0.39	89.3
70	7.30	33.937	7.30	26.540	1.647	0.42	87.3
76	7.20	33.953	7.20	26.567	1.736	0.45	85.7

W0207A

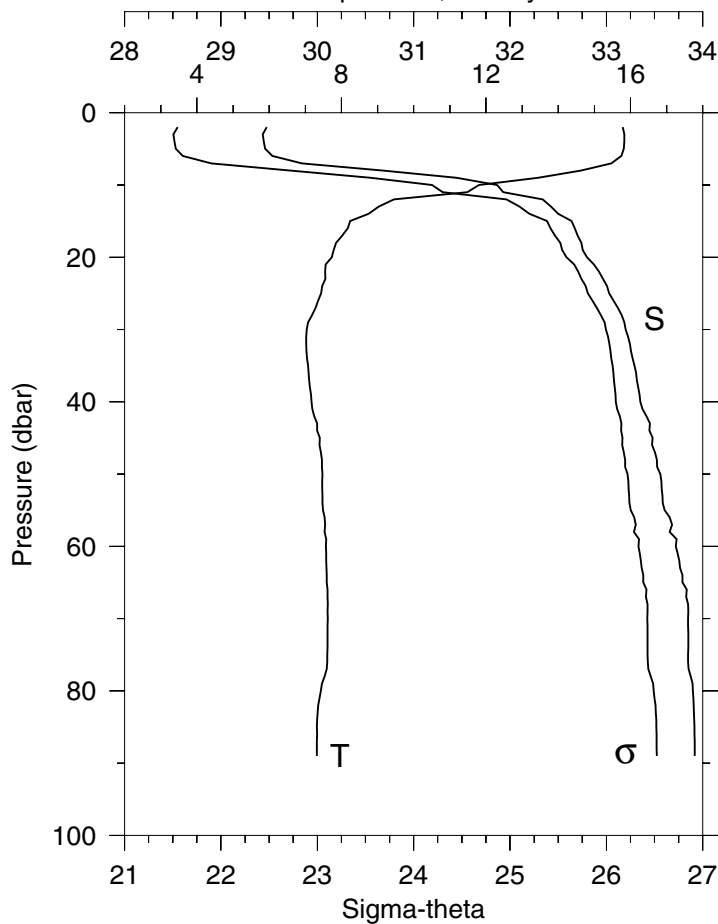
Station 5 NH-20
Temperature, Salinity



STA: 5 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W
10 JUL 2002 0329 GMT DEPTH 145

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.17	28.904	16.17	21.028	0.135	1.40	74.9
10	14.61	30.621	14.61	22.681	0.647	1.69	76.3
20	7.87	32.550	7.86	25.370	0.952	0.67	88.7
30	7.31	32.770	7.31	25.621	1.199	0.48	89.7
40	7.39	33.066	7.39	25.843	1.423	0.41	89.4
50	7.27	33.317	7.27	26.057	1.628	0.38	90.0
60	7.43	33.506	7.42	26.184	1.818	0.38	89.7
70	7.56	33.658	7.55	26.285	1.997	0.38	89.7
80	7.61	33.741	7.61	26.342	2.168	0.38	89.8
90	7.51	33.856	7.50	26.448	2.331	0.40	89.1
100	7.42	33.899	7.41	26.495	2.487	0.42	88.5
110	7.33	33.928	7.32	26.530	2.640	0.43	87.6
120	7.30	33.939	7.28	26.544	2.790	0.43	86.3
130	7.29	33.940	7.28	26.546	2.940	0.43	86.1
140	7.29	33.940	7.27	26.546	3.090	0.45	84.2
141	7.29	33.940	7.27	26.546	3.105	0.43	83.8

Station 6 NH-15
Temperature, Salinity

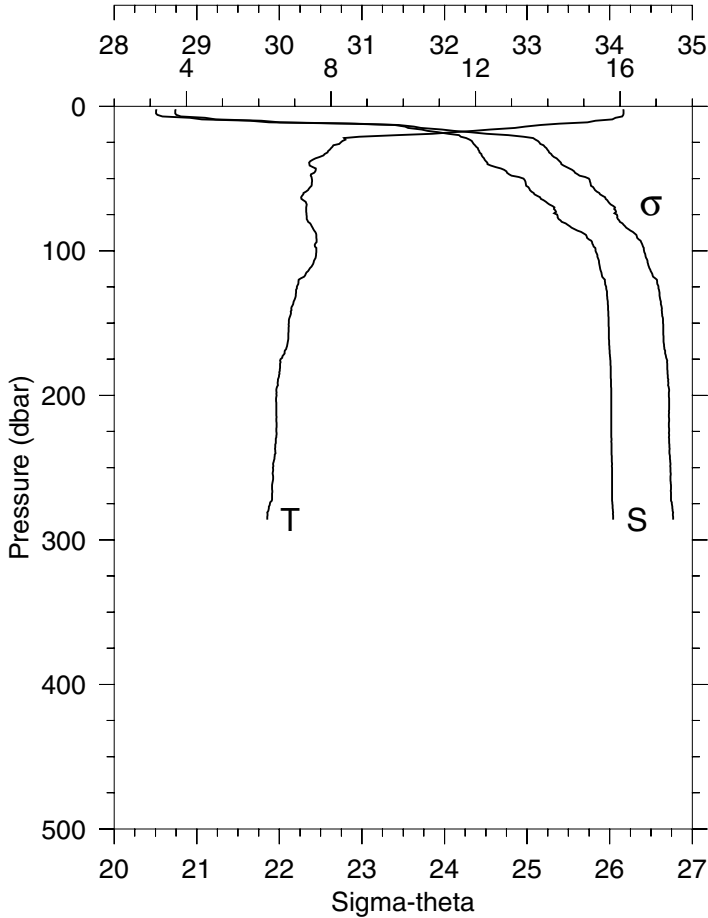


STA: 6 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W
10 JUL 2002 0459 GMT DEPTH 93

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	15.78	29.476	15.78	21.551	0.125	2.41	66.7
10	11.81	31.866	11.81	24.192	0.578	2.18	76.2
20	7.73	32.799	7.73	25.585	0.856	0.54	89.0
30	7.04	33.200	7.03	25.996	1.074	0.41	89.6
40	7.17	33.351	7.17	26.097	1.269	0.38	89.8
50	7.48	33.561	7.47	26.220	1.454	0.38	89.6
60	7.57	33.720	7.57	26.332	1.629	0.38	89.6
70	7.62	33.848	7.61	26.425	1.793	0.38	89.9
80	7.43	33.897	7.42	26.491	1.952	0.40	88.5
89	7.32	33.918	7.31	26.523	2.089	0.42	87.9

W0207A

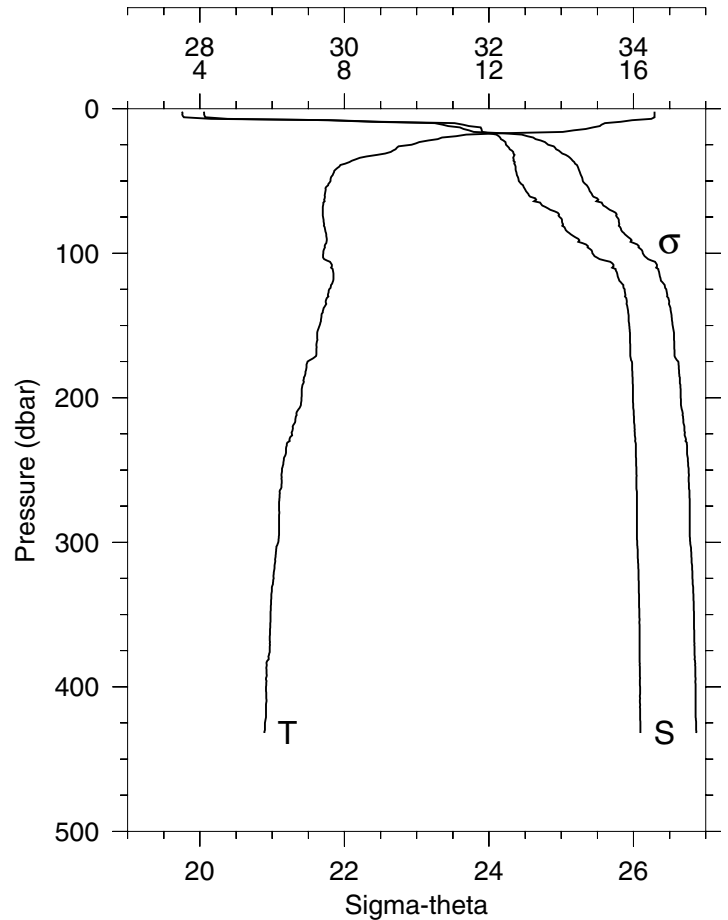
Station 7 NH-25
Temperature, Salinity



STA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.2 W
10 JUL 2002 0740 GMT DEPTH 292

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.09	28.514	16.09	20.746	0.140	1.06	79.2
10	15.32	29.646	15.32	21.782	0.688	1.31	78.4
20	9.84	32.174	9.83	24.773	1.118	1.62	82.4
30	7.97	32.409	7.97	25.245	1.401	0.76	89.0
40	7.40	32.522	7.40	25.414	1.665	0.55	89.7
50	7.47	32.958	7.47	25.747	1.907	0.45	89.4
60	7.24	33.080	7.24	25.875	2.127	0.46	89.3
70	7.32	33.332	7.31	26.063	2.331	0.39	89.8
80	7.36	33.417	7.36	26.123	2.524	0.38	89.7
90	7.60	33.721	7.59	26.329	2.703	0.39	89.6
100	7.59	33.830	7.59	26.416	2.868	0.44	89.0
110	7.49	33.878	7.47	26.469	3.027	0.43	88.9
120	7.11	33.942	7.10	26.572	3.180	0.42	88.5
130	7.03	33.967	7.02	26.603	3.326	0.42	88.0
140	6.90	33.981	6.89	26.631	3.470	0.44	87.7
150	6.83	33.988	6.82	26.646	3.611	0.42	87.4
175	6.61	34.006	6.59	26.691	3.960	0.39	88.1
200	6.50	34.019	6.48	26.716	4.299	0.38	88.0
225	6.49	34.020	6.47	26.718	4.636	0.38	88.1
250	6.39	34.028	6.37	26.737	4.972	0.38	88.8
275	6.31	34.033	6.28	26.753	5.305	0.38	88.5
286	6.24	34.040	6.21	26.768	5.449	0.38	88.2

Station 8 NH-35
Temperature, Salinity



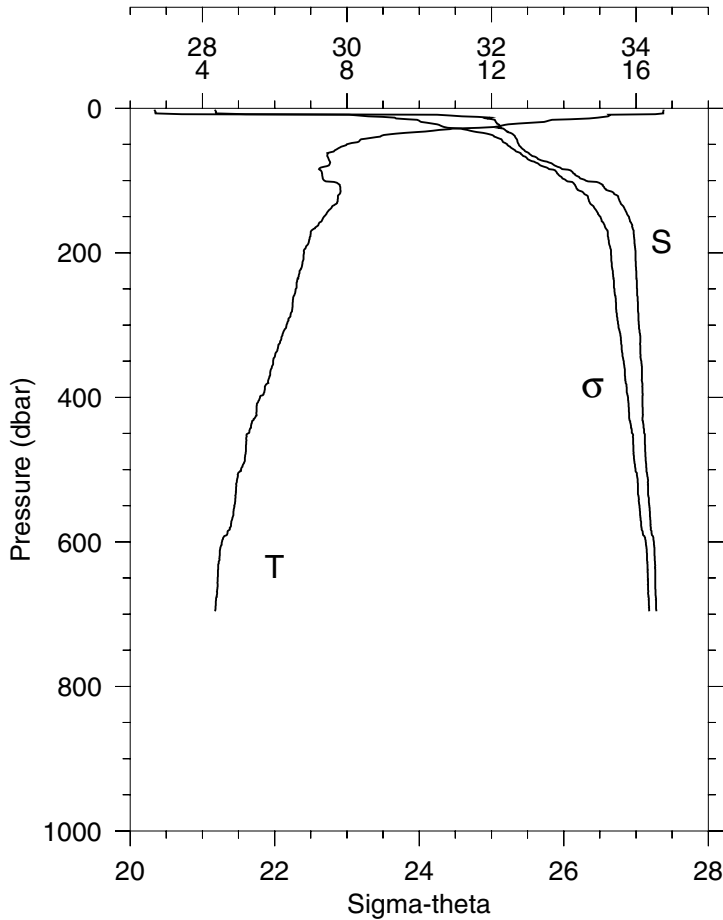
STA: 8 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W
10 JUL 2002 1045 GMT DEPTH 439

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.58	27.752	16.58	20.054	0.154	0.91	82.1
10	15.21	31.524	15.21	23.249	0.710	0.58	85.5
20	10.70	32.153	10.70	24.613	1.113	0.95	87.2
30	9.28	32.335	9.28	24.989	1.425	1.07	87.4
40	7.86	32.369	7.86	25.229	1.708	0.86	88.5
50	7.61	32.414	7.61	25.299	1.978	0.74	89.2
60	7.45	32.552	7.45	25.430	2.239	0.58	89.5
70	7.40	32.849	7.39	25.672	2.482	0.47	89.6
80	7.44	33.024	7.43	25.804	2.705	0.43	90.0
90	7.51	33.235	7.50	25.959	2.920	0.41	90.2
100	7.42	33.433	7.41	26.128	3.116	0.38	90.0
110	7.63	33.705	7.62	26.313	3.295	0.38	90.1
120	7.68	33.822	7.66	26.398	3.462	0.37	90.2
130	7.55	33.883	7.54	26.464	3.621	0.38	90.1
140	7.40	33.925	7.39	26.518	3.776	0.40	90.0
150	7.31	33.941	7.30	26.543	3.928	0.38	89.9
175	6.98	33.978	6.96	26.620	4.300	0.38	89.6
200	6.81	33.994	6.79	26.654	4.654	0.38	89.3
225	6.54	34.019	6.52	26.710	5.000	0.38	89.5
250	6.27	34.040	6.25	26.762	5.332	0.38	89.1
275	6.19	34.048	6.17	26.779	5.657	0.38	89.0
300	6.17	34.051	6.14	26.785	5.982	0.38	88.9
350	5.96	34.082	5.93	26.836	6.615	0.39	89.1
400	5.83	34.091	5.80	26.860	7.237	0.41	88.7
432	5.79	34.094	5.75	26.868	7.632	0.38	88.5

W0207A

Station 9 NH-45
Temperature, Salinity

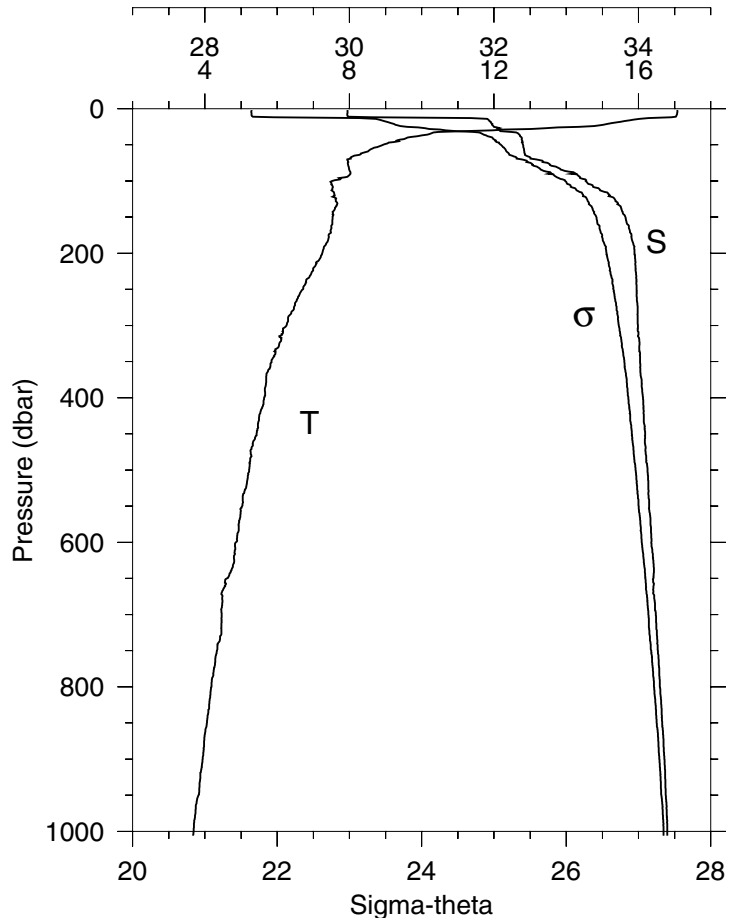
STA: 9 NH-45 LAT: 44 39.1 N LONG: 125 7.1 W
10 JUL 2002 1453 GMT DEPTH 703



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.76	28.172	16.76	20.336	0.148	0.57	85.1
10	15.26	31.431	15.26	23.166	0.697	0.54	84.0
20	13.10	32.071	13.09	24.107	1.111	0.62	87.5
30	10.55	32.188	10.55	24.665	1.467	1.00	85.6
40	8.80	32.328	8.80	25.058	1.772	1.10	87.3
50	7.99	32.378	7.99	25.217	2.053	0.90	88.7
60	7.63	32.474	7.62	25.345	2.322	0.64	89.4
70	7.49	32.643	7.48	25.497	2.577	0.55	90.0
80	7.44	32.899	7.43	25.704	2.815	0.43	90.2
90	7.31	33.134	7.30	25.908	3.032	0.39	90.2
100	7.38	33.303	7.37	26.032	3.237	0.37	90.2
110	7.82	33.563	7.80	26.174	3.426	0.37	90.3
120	7.77	33.727	7.76	26.310	3.605	0.37	90.2
130	7.73	33.781	7.72	26.358	3.774	0.38	90.1
140	7.53	33.846	7.51	26.438	3.938	0.38	89.4
150	7.36	33.902	7.35	26.505	4.096	0.39	89.2
175	6.99	33.970	6.98	26.611	4.468	0.39	89.1
200	6.81	33.992	6.79	26.653	4.824	0.38	89.0
225	6.68	34.004	6.66	26.680	5.175	0.38	89.1
250	6.58	34.014	6.56	26.701	5.519	0.38	89.2
275	6.49	34.026	6.47	26.723	5.859	0.38	89.1
300	6.33	34.040	6.30	26.756	6.193	0.38	89.2
350	5.96	34.074	5.93	26.830	6.838	0.38	90.0
400	5.59	34.089	5.56	26.888	7.455	0.38	90.3
450	5.26	34.116	5.23	26.949	8.048	0.38	90.6
500	5.07	34.143	5.03	26.992	8.615	0.37	90.6
600	4.54	34.246	4.49	27.135	9.676	0.37	90.0
696	4.35	34.282	4.29	27.184	10.599	0.38	90.2

Station 10 NH-55
Temperature, Salinity

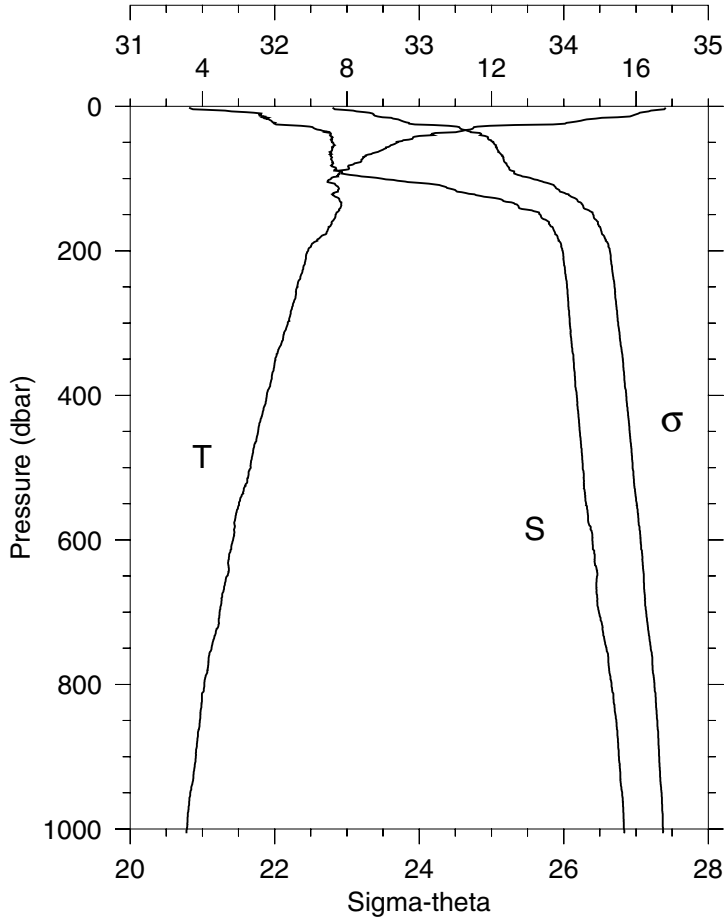
STA: 10 NH-55 LAT: 44 39.1 N LONG: 125 21.9 W
10 JUL 2002 1859 GMT DEPTH 2865



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	17.07	29.974	17.07	21.646	0.123	0.38	88.2
10	17.05	29.972	17.05	21.649	0.615	0.41	88.2
20	15.26	31.962	15.25	23.577	1.100	0.42	88.2
30	11.97	32.077	11.96	24.328	1.503	0.54	85.2
40	9.61	32.385	9.60	24.976	1.818	2.79	80.1
50	8.94	32.403	8.93	25.096	2.111	1.32	87.3
60	8.46	32.419	8.46	25.181	2.393	0.84	88.9
70	7.94	32.582	7.94	25.385	2.664	0.73	89.8
80	7.98	32.855	7.97	25.594	2.913	0.38	90.4
90	8.03	33.065	8.02	25.752	3.145	0.39	90.3
100	7.52	33.270	7.51	25.986	3.357	0.36	90.4
110	7.53	33.445	7.52	26.122	3.555	0.37	90.4
120	7.59	33.602	7.58	26.236	3.739	0.36	90.4
130	7.66	33.712	7.65	26.314	3.914	0.36	90.4
140	7.58	33.766	7.57	26.367	4.083	0.36	90.4
150	7.54	33.818	7.52	26.415	4.248	0.37	90.4
175	7.43	33.903	7.41	26.498	4.647	0.37	90.4
200	7.25	33.946	7.23	26.557	5.029	0.38	90.4
225	6.97	33.963	6.95	26.608	5.398	0.37	90.4
250	6.72	33.973	6.69	26.652	5.756	0.38	90.5
275	6.47	33.989	6.44	26.697	6.105	0.38	90.6
300	6.25	33.991	6.23	26.726	6.445	0.38	90.5
350	5.84	34.023	5.81	26.804	7.102	0.38	90.6
400	5.64	34.062	5.61	26.860	7.729	0.38	90.6
450	5.43	34.092	5.40	26.909	8.335	0.37	90.7
500	5.22	34.126	5.18	26.961	8.920	0.37	90.7
600	4.86	34.178	4.81	27.045	10.027	0.38	90.7
800	4.18	34.296	4.12	27.214	12.013	0.38	90.7
1000	3.69	34.398	3.62	27.346	13.732	0.37	90.7
1006	3.67	34.399	3.60	27.349	13.780	0.38	90.6

W0207A

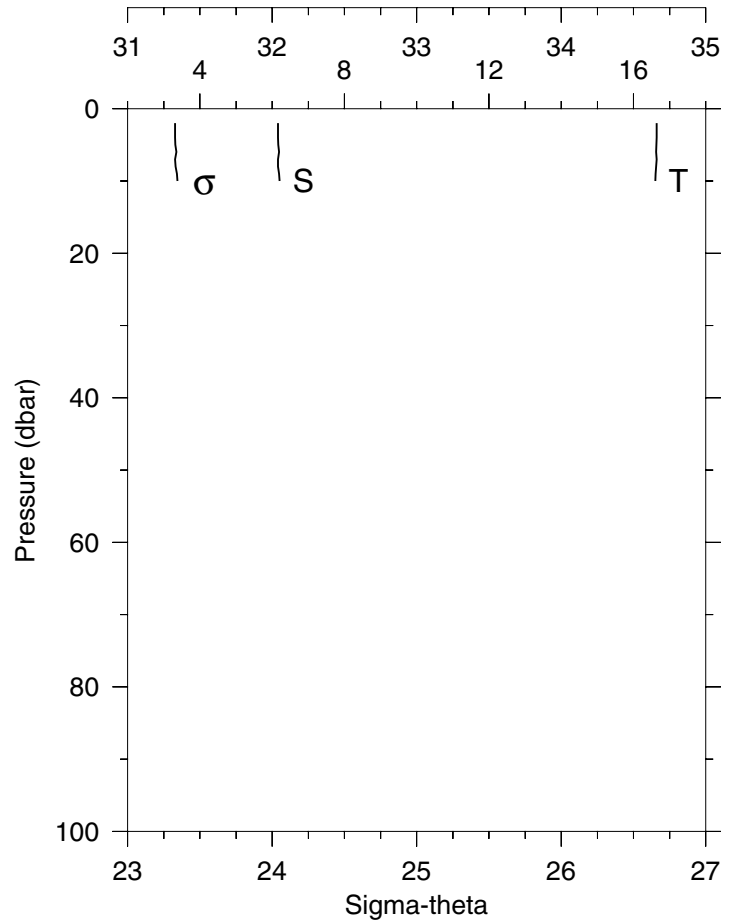
Station 11 NH-65
Temperature, Salinity



STA: 11 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W
10 JUL 2002 2122 GMT DEPTH 2860

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.82	31.408	16.82	22.801	0.101	0.36	88.2
10	16.07	31.907	16.07	23.356	0.485	0.37	88.3
20	14.47	31.976	14.47	23.754	0.921	0.46	87.2
30	11.50	32.267	11.49	24.560	1.301	0.87	81.6
40	10.38	32.383	10.38	24.846	1.624	4.00	78.6
50	9.40	32.396	9.40	25.018	1.923	1.52	86.7
60	9.00	32.397	9.00	25.081	2.213	1.08	88.6
70	8.45	32.395	8.44	25.164	2.498	0.64	89.9
80	8.19	32.399	8.18	25.206	2.777	0.50	90.2
90	7.80	32.466	7.80	25.314	3.050	0.44	90.3
100	7.57	32.740	7.56	25.563	3.309	0.39	90.4
110	7.71	33.155	7.70	25.868	3.536	0.36	90.4
120	7.63	33.321	7.61	26.011	3.745	0.36	90.4
130	7.80	33.578	7.78	26.189	3.936	0.36	90.4
140	7.83	33.689	7.81	26.272	4.115	0.36	90.4
150	7.69	33.836	7.67	26.408	4.284	0.37	90.3
175	7.43	33.940	7.42	26.526	4.678	0.37	90.3
200	6.92	33.992	6.91	26.638	5.045	0.38	89.7
225	6.79	34.007	6.77	26.668	5.397	0.38	89.5
250	6.63	34.022	6.61	26.701	5.742	0.38	89.4
275	6.50	34.032	6.48	26.727	6.082	0.37	89.4
300	6.36	34.042	6.34	26.753	6.416	0.38	89.4
350	6.01	34.068	5.99	26.818	7.066	0.38	89.5
400	5.78	34.090	5.75	26.865	7.692	0.38	89.8
450	5.54	34.111	5.50	26.911	8.296	0.37	89.9
500	5.33	34.131	5.29	26.952	8.881	0.38	90.0
600	4.85	34.198	4.80	27.062	9.984	0.38	90.4
800	4.05	34.331	3.99	27.255	11.937	0.38	90.6
1000	3.57	34.417	3.50	27.373	13.588	0.38	90.2
1006	3.56	34.418	3.49	27.375	13.634	0.38	90.3

Station 12 NH-85
Temperature, Salinity

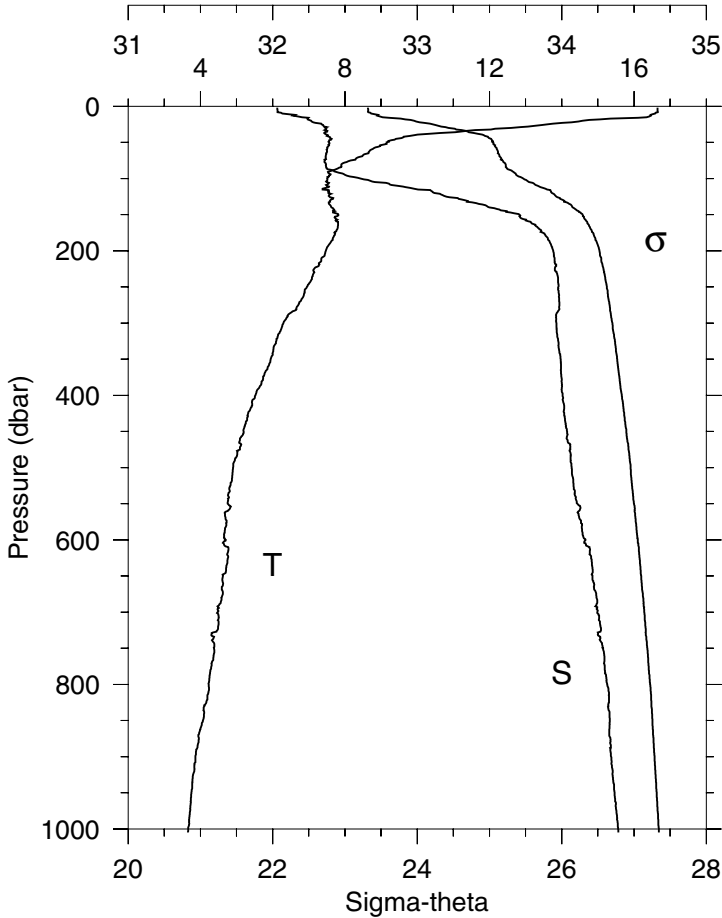


STA: 12 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W
11 JUL 2002 0021 GMT DEPTH 2884

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.64	32.040	16.64	23.328	0.091	0.45	86.6
10	16.60	32.051	16.60	23.345	0.454	0.44	86.5

W0207A

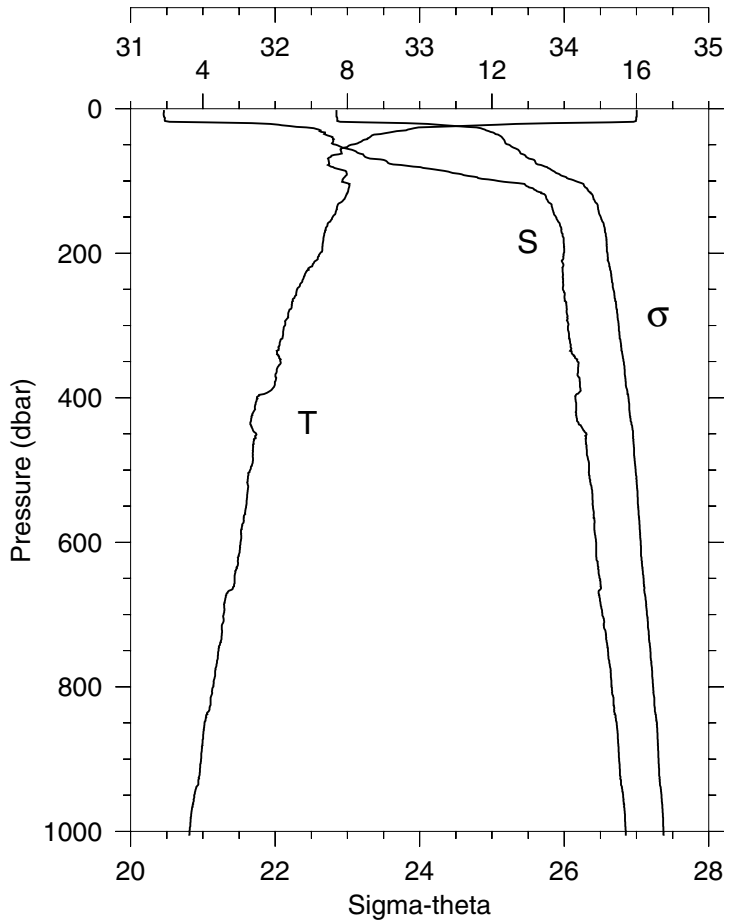
Station 13 NH-85
Temperature, Salinity



STA: 13 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W
11 JUL 2002 0042 GMT DEPTH 2884

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.65	32.031	16.65	23.318	0.091	0.47	86.7
10	16.58	32.067	16.58	23.362	0.455	0.47	86.5
20	14.58	32.266	14.57	23.957	0.882	0.62	84.8
30	12.60	32.364	12.59	24.431	1.254	1.46	80.8
40	9.93	32.380	9.92	24.920	1.579	2.33	81.8
50	9.15	32.389	9.15	25.051	1.874	1.53	86.8
60	8.73	32.372	8.72	25.104	2.162	0.95	89.1
70	8.39	32.365	8.39	25.149	2.446	0.70	89.8
80	7.91	32.368	7.90	25.222	2.725	0.48	90.3
90	7.57	32.427	7.56	25.317	2.998	0.42	90.3
100	7.51	32.609	7.49	25.468	3.257	0.38	90.5
110	7.50	32.864	7.49	25.670	3.500	0.37	90.4
120	7.54	33.118	7.53	25.864	3.722	0.36	90.5
130	7.60	33.329	7.58	26.022	3.929	0.36	90.5
140	7.63	33.498	7.61	26.150	4.122	0.36	90.5
150	7.82	33.706	7.80	26.287	4.303	0.37	90.4
175	7.71	33.869	7.69	26.431	4.724	0.37	90.4
200	7.47	33.941	7.45	26.522	5.117	0.37	90.4
225	7.14	33.952	7.12	26.577	5.495	0.37	90.4
250	6.94	33.976	6.92	26.623	5.861	0.37	90.5
275	6.71	33.984	6.68	26.661	6.218	0.37	90.6
300	6.29	33.963	6.27	26.700	6.567	0.38	90.6
350	5.95	33.992	5.91	26.767	7.240	0.37	90.6
400	5.52	34.006	5.49	26.830	7.885	0.38	90.6
450	5.19	34.037	5.16	26.894	8.500	0.37	90.6
500	4.90	34.069	4.86	26.952	9.087	0.37	90.7
600	4.70	34.164	4.65	27.051	10.196	0.37	90.7
800	4.23	34.314	4.17	27.223	12.173	0.37	90.6
1000	3.66	34.390	3.59	27.343	13.896	0.37	90.8
1005	3.65	34.392	3.58	27.345	13.937	0.37	90.7

Station 14 FM-9
Temperature, Salinity



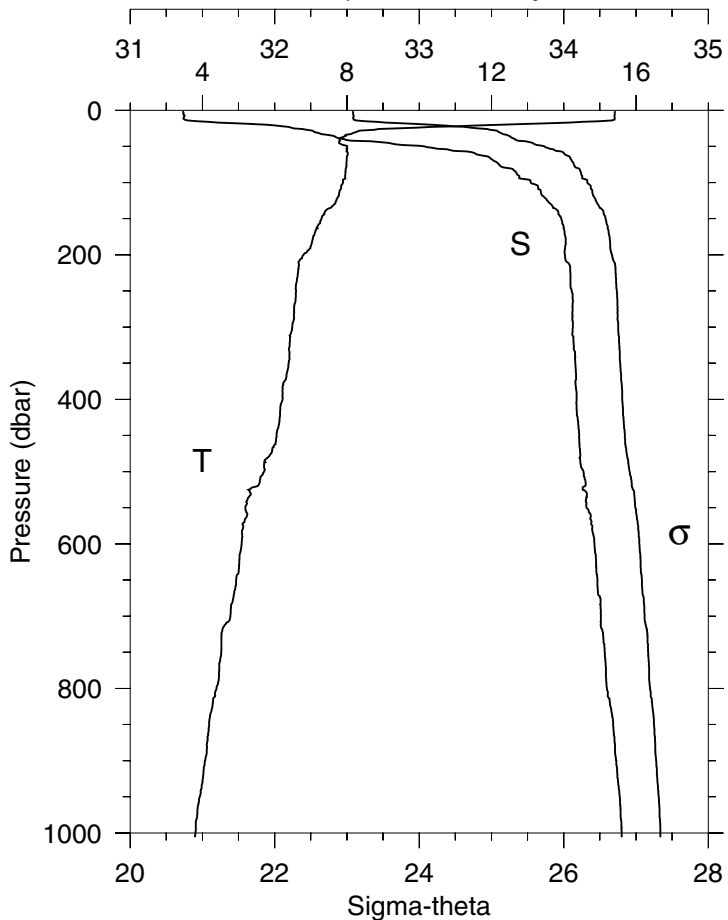
STA: 14 FM-9 LAT: 43 13.1 N LONG: 125 10.2 W
11 JUL 2002 1004 GMT DEPTH 1652

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.01	31.230	16.00	22.849	0.100	0.46	88.9
10	16.01	31.230	16.01	22.849	0.500	0.46	88.9
20	13.68	31.837	13.67	23.811	0.991	0.50	89.0
30	9.63	32.314	9.62	24.917	1.328	1.21	84.7
40	8.61	32.396	8.61	25.140	1.619	1.13	85.6
50	8.10	32.421	8.10	25.236	1.897	1.00	87.1
60	7.83	32.563	7.82	25.386	2.162	0.67	88.7
70	7.48	32.729	7.47	25.566	2.415	0.59	89.4
80	7.54	32.955	7.53	25.735	2.651	0.51	89.4
90	7.99	33.272	7.98	25.921	2.868	0.41	89.8
100	7.86	33.545	7.85	26.154	3.067	0.40	89.7
110	8.03	33.783	8.02	26.315	3.245	0.43	89.8
120	7.96	33.870	7.95	26.394	3.413	0.39	90.1
130	7.81	33.895	7.80	26.436	3.576	0.39	89.8
140	7.70	33.921	7.68	26.472	3.734	0.39	89.7
150	7.59	33.943	7.58	26.506	3.890	0.39	89.4
175	7.36	33.988	7.34	26.575	4.266	0.38	88.8
200	7.25	33.997	7.23	26.597	4.634	0.39	87.9
225	6.87	33.989	6.85	26.644	4.995	0.38	90.4
250	6.61	33.990	6.59	26.679	5.347	0.38	90.5
275	6.45	34.017	6.43	26.721	5.689	0.38	90.5
300	6.27	34.027	6.24	26.753	6.023	0.38	90.5
350	6.14	34.092	6.11	26.821	6.673	0.38	89.5
400	5.50	34.077	5.46	26.889	7.293	0.38	90.4
450	5.48	34.153	5.44	26.953	7.883	0.38	90.1
500	5.31	34.172	5.27	26.988	8.451	0.39	90.2
600	5.04	34.221	4.99	27.059	9.542	0.38	89.5
800	4.29	34.327	4.23	27.227	11.517	0.38	90.2
1000	3.63	34.426	3.56	27.374	13.197	0.38	89.6
1006	3.63	34.426	3.56	27.374	13.244	0.37	89.6

W0207A

Station 15 FM-8
Temperature, Salinity

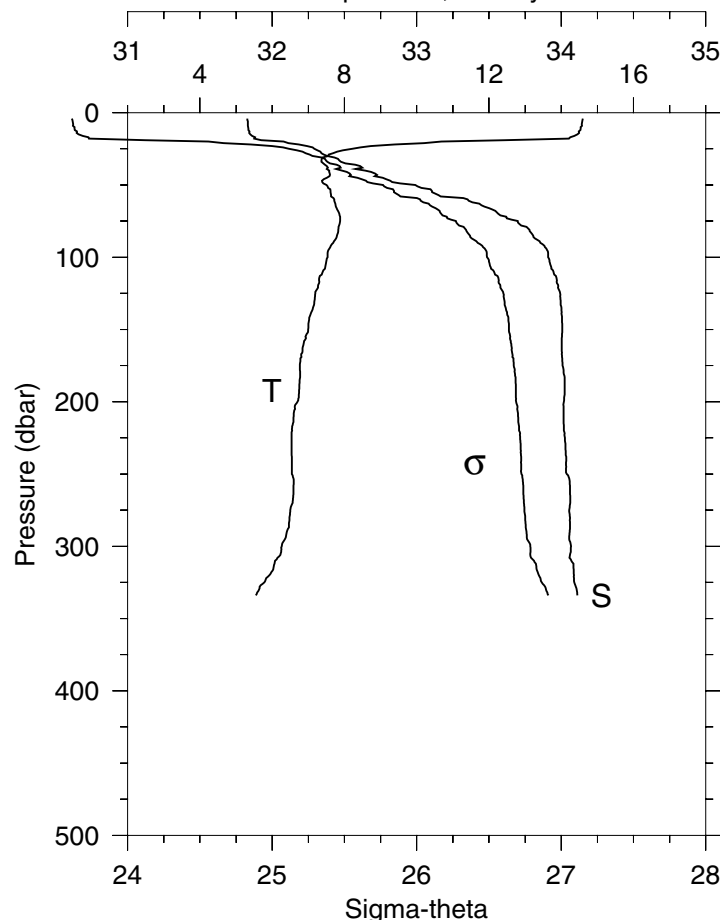
STA: 15 FM-8 LAT: 43 13.1 N LONG: 125 0.2 W
11 JUL 2002 1224 GMT DEPTH 1079



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	15.42	31.364	15.42	23.082	0.048	0.53	87.8
10	15.41	31.370	15.41	23.087	0.477	0.52	87.8
20	12.27	31.945	12.27	24.168	0.925	0.52	88.2
30	8.27	32.274	8.27	25.095	1.242	1.66	80.8
40	7.79	32.481	7.78	25.327	1.517	0.97	87.0
50	8.01	33.035	8.01	25.731	1.762	0.48	89.6
60	8.02	33.390	8.02	26.008	1.974	0.38	90.1
70	7.99	33.517	7.98	26.112	2.168	0.39	89.9
80	7.97	33.620	7.96	26.196	2.356	0.38	90.0
90	7.95	33.686	7.94	26.250	2.535	0.38	90.0
100	7.89	33.771	7.88	26.327	2.709	0.42	89.9
110	7.81	33.838	7.80	26.391	2.876	0.38	90.0
120	7.75	33.864	7.74	26.420	3.039	0.38	89.9
130	7.66	33.911	7.64	26.471	3.199	0.38	90.0
140	7.39	33.961	7.38	26.548	3.353	0.38	90.1
150	7.29	33.983	7.28	26.579	3.501	0.38	89.9
175	7.07	34.012	7.05	26.634	3.863	0.38	89.5
200	6.80	34.007	6.78	26.667	4.217	0.38	90.3
225	6.64	34.046	6.62	26.718	4.558	0.38	88.7
250	6.59	34.055	6.57	26.733	4.894	0.38	88.8
275	6.54	34.061	6.51	26.744	5.228	0.38	89.1
300	6.49	34.063	6.46	26.754	5.560	0.38	89.1
350	6.39	34.080	6.35	26.780	6.218	0.38	89.0
400	6.22	34.088	6.18	26.809	6.865	0.38	89.2
450	6.05	34.107	6.01	26.845	7.501	0.38	89.5
500	5.70	34.137	5.66	26.913	8.117	0.38	89.4
600	5.08	34.212	5.03	27.046	9.241	0.38	89.6
800	4.39	34.299	4.33	27.194	11.257	0.38	90.3
1000	3.81	34.400	3.74	27.335	12.999	0.38	89.9
1006	3.79	34.402	3.72	27.339	13.048	0.38	89.9

Station 16 FM-7
Temperature, Salinity

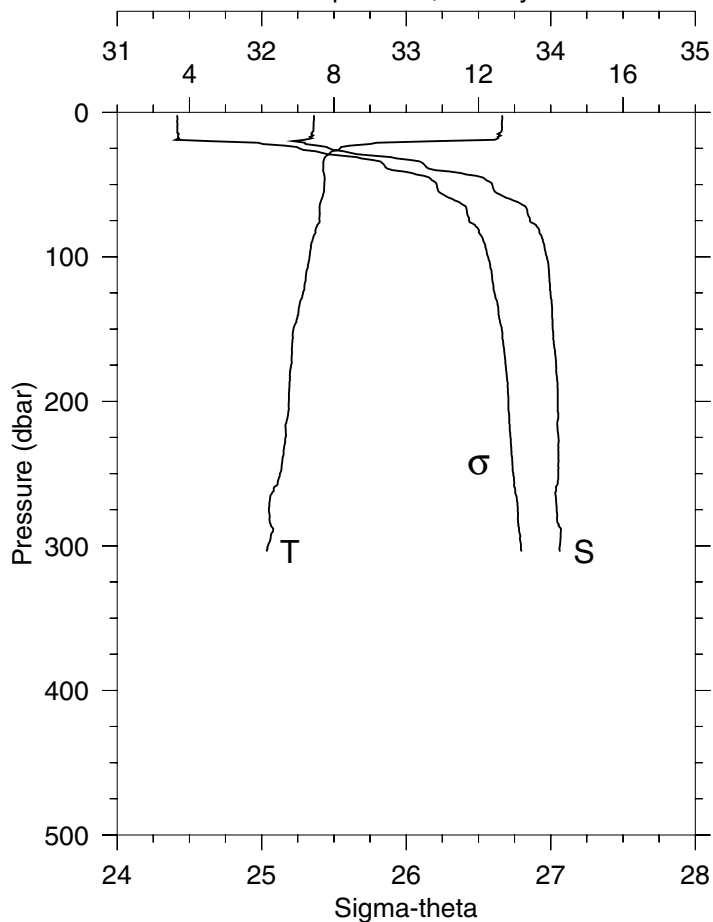
STA: 16 FM-7 LAT: 43 13.1 N LONG: 124 50.0 W
11 JUL 2002 1443 GMT DEPTH 342



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
4	14.60	31.828	14.60	23.615	0.171	1.61	83.1
10	14.54	31.834	14.53	23.632	0.427	1.63	83.1
20	10.69	32.080	10.68	24.558	0.840	2.13	83.5
30	7.56	32.379	7.56	25.279	1.130	0.71	88.1
40	7.58	32.643	7.58	25.484	1.387	0.62	89.2
50	7.51	32.990	7.50	25.767	1.626	0.58	89.4
60	7.72	33.353	7.71	26.023	1.839	0.47	89.8
70	7.86	33.565	7.85	26.169	2.030	0.42	89.6
80	7.84	33.769	7.83	26.332	2.207	0.40	89.6
90	7.69	33.856	7.68	26.422	2.373	0.39	89.5
100	7.53	33.910	7.52	26.487	2.530	0.40	89.3
110	7.40	33.946	7.39	26.534	2.683	0.40	89.2
120	7.27	33.979	7.26	26.579	2.832	0.39	89.1
130	7.17	33.996	7.16	26.606	2.977	0.39	89.5
140	7.06	34.004	7.04	26.628	3.120	0.38	89.9
150	7.00	34.007	6.99	26.639	3.262	0.38	89.6
175	6.77	34.010	6.75	26.672	3.612	0.38	89.8
200	6.70	34.018	6.68	26.688	3.956	0.38	89.7
225	6.54	34.026	6.52	26.716	4.296	0.38	90.0
250	6.55	34.038	6.52	26.725	4.633	0.38	89.7
275	6.50	34.056	6.48	26.746	4.967	0.38	89.1
300	6.27	34.068	6.24	26.785	5.297	0.38	89.5
334	5.55	34.113	5.52	26.911	5.720	0.39	89.7

W0207A

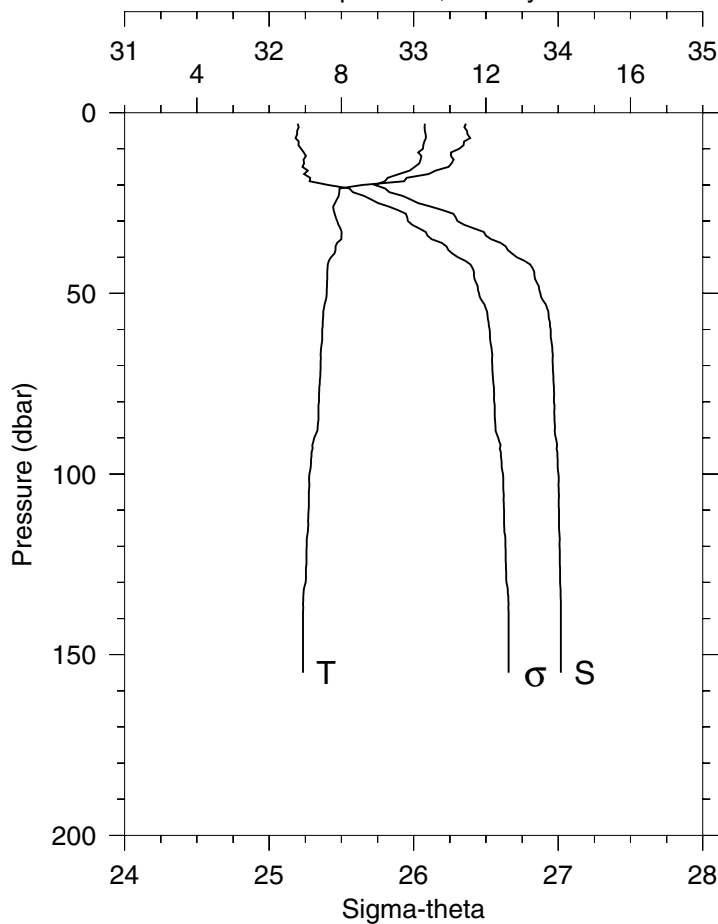
Station 17 FM-6
Temperature, Salinity



STA: 17 FM-6 LAT: 43 13.1 N LONG: 124 45.0 W
11 JUL 2002 1805 GMT DEPTH 313

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	12.66	32.361	12.66	24.416	0.070	2.20	81.1
10	12.65	32.359	12.65	24.416	0.350	2.29	80.6
20	10.83	32.217	10.83	24.639	0.700	1.99	82.2
30	7.80	32.762	7.80	25.545	0.974	0.64	89.0
40	7.70	33.202	7.70	25.906	1.194	0.60	89.4
50	7.73	33.595	7.73	26.211	1.383	0.51	89.2
60	7.66	33.719	7.65	26.319	1.560	0.44	89.3
70	7.61	33.839	7.60	26.420	1.724	0.41	89.4
80	7.51	33.912	7.50	26.492	1.883	0.40	89.4
90	7.38	33.949	7.38	26.539	2.035	0.40	89.3
100	7.32	33.973	7.31	26.567	2.183	0.38	89.8
110	7.24	33.988	7.23	26.591	2.330	0.38	89.8
120	7.18	33.994	7.17	26.603	2.475	0.52	89.5
130	7.08	34.005	7.07	26.626	2.619	0.38	89.2
140	7.01	34.009	7.00	26.639	2.760	0.38	88.6
150	6.88	34.014	6.87	26.660	2.901	0.44	89.1
175	6.82	34.038	6.80	26.689	3.246	0.38	88.7
200	6.75	34.049	6.73	26.706	3.586	0.38	87.9
225	6.66	34.053	6.64	26.722	3.925	0.38	88.2
250	6.50	34.052	6.48	26.742	4.259	0.38	88.3
275	6.20	34.040	6.18	26.772	4.589	0.38	88.6
300	6.17	34.063	6.14	26.794	4.913	0.40	80.9
304	6.14	34.064	6.12	26.798	4.964	0.40	81.3

Station 18 FM-5
Temperature, Salinity



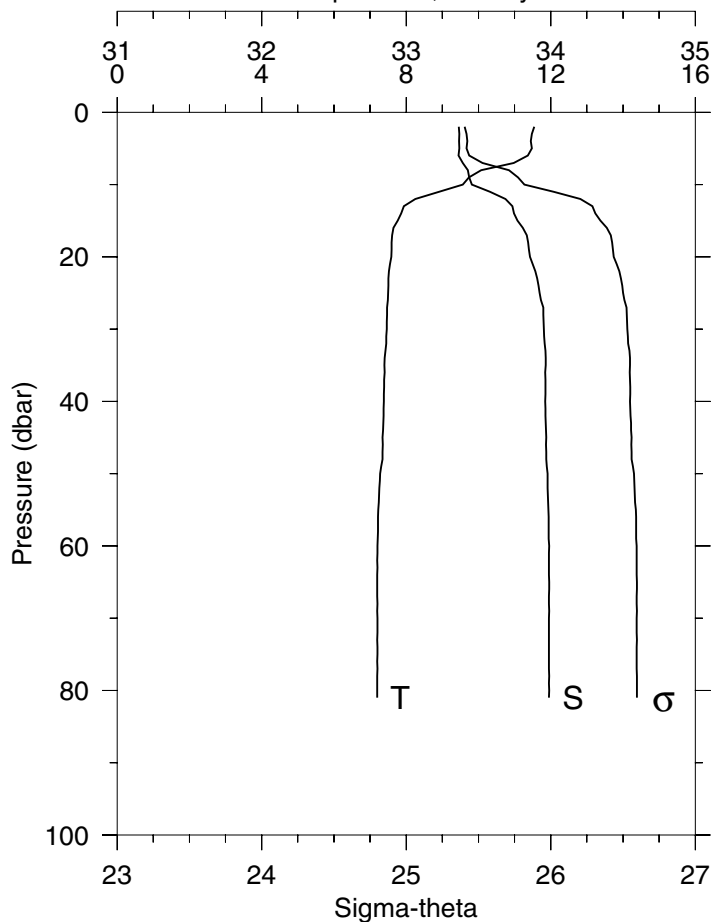
STA: 18 FM-5 LAT: 43 13.1 N LONG: 124 40.1 W
11 JUL 2002 1917 GMT DEPTH 160

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.45	33.077	11.45	25.198	0.083	5.00	61.4
10	11.26	33.064	11.26	25.221	0.276	5.00	62.1
20	8.57	32.733	8.57	25.409	0.546	4.76	76.6
30	7.88	33.303	7.88	25.959	0.770	0.69	88.3
40	7.72	33.713	7.71	26.306	0.957	0.69	88.3
50	7.59	33.876	7.59	26.452	1.118	0.40	89.6
60	7.47	33.948	7.46	26.526	1.272	0.39	89.7
70	7.42	33.963	7.42	26.544	1.422	0.39	89.7
80	7.38	33.971	7.37	26.557	1.570	0.39	89.6
90	7.25	33.984	7.24	26.585	1.718	0.40	89.2
100	7.11	34.002	7.10	26.618	1.862	0.39	89.3
110	7.09	34.005	7.08	26.625	2.004	0.39	89.0
120	7.04	34.010	7.03	26.635	2.146	0.39	88.2
130	7.01	34.012	7.00	26.641	2.287	0.40	85.6
140	6.94	34.019	6.92	26.657	2.427	0.40	80.2
150	6.94	34.019	6.92	26.657	2.566	0.41	78.3
155	6.94	34.018	6.92	26.656	2.636	0.42	76.2

W0207A

Station 19 FM-4
Temperature, Salinity

STA: 19 FM-4 LAT: 43 13.1 N LONG: 124 35.1 W
11 JUL 2002 2144 GMT DEPTH 87

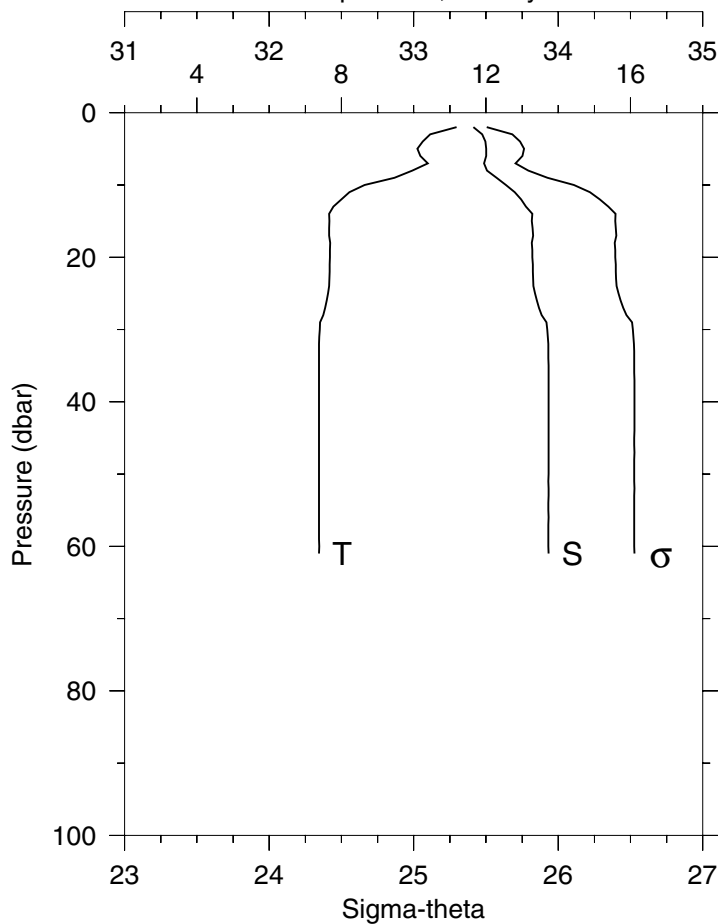


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.54	33.364	11.54	25.404	0.051	5.00	47.4
10	9.57	33.454	9.56	25.817	0.246	5.00	66.4
20	7.59	33.856	7.59	26.436	0.418	0.42	88.9
30	7.46	33.953	7.46	26.530	0.571	0.43	89.5
40	7.38	33.962	7.38	26.549	0.719	0.39	89.4
50	7.28	33.978	7.27	26.576	0.867	0.39	87.6
60	7.20	33.989	7.19	26.595	1.012	0.43	83.7
70	7.20	33.988	7.19	26.595	1.156	0.44	83.3
80	7.19	33.989	7.19	26.596	1.300	0.44	83.1
81	7.20	33.988	7.19	26.596	1.315	0.44	83.1

STA: 20 FM-3 LAT: 43 13.1 N LONG: 124 30.0 W
11 JUL 2002 2337 GMT DEPTH 66

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.19	33.413	11.19	25.506	0.049	5.00	48.5
10	8.64	33.638	8.64	26.108	0.227	5.00	74.4
20	7.68	33.821	7.68	26.394	0.393	1.00	86.0
30	7.40	33.924	7.39	26.517	0.552	0.56	86.2
40	7.38	33.933	7.37	26.527	0.703	0.62	85.4
50	7.38	33.933	7.38	26.526	0.853	0.63	85.4
60	7.38	33.932	7.38	26.525	1.004	0.59	85.3
61	7.38	33.933	7.37	26.527	1.019	0.60	85.1

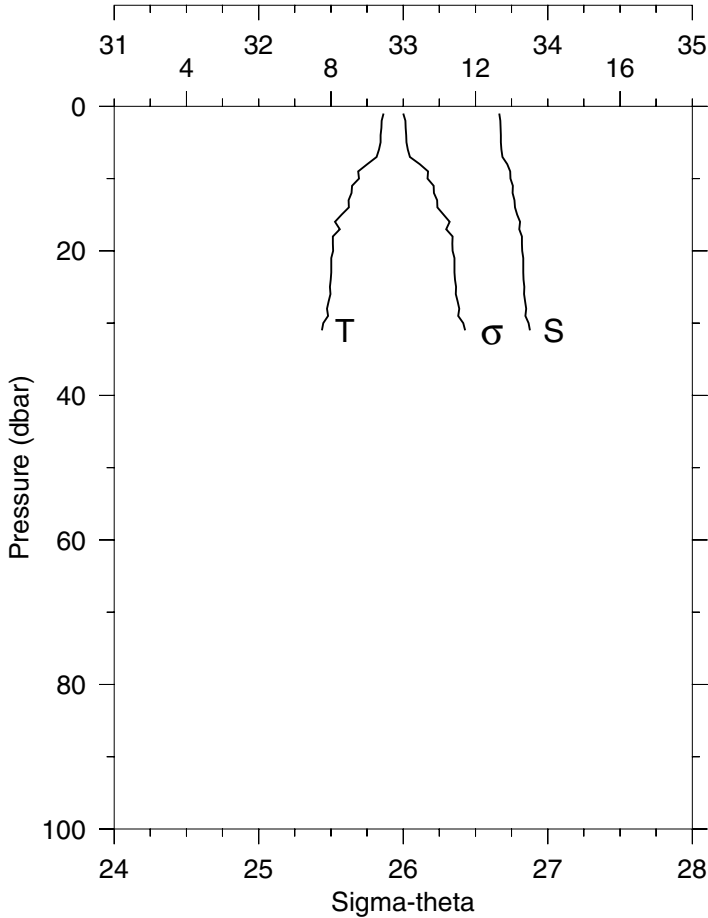
Station 20 FM-3
Temperature, Salinity



W0207A

Station 21 FM-1
Temperature, Salinity

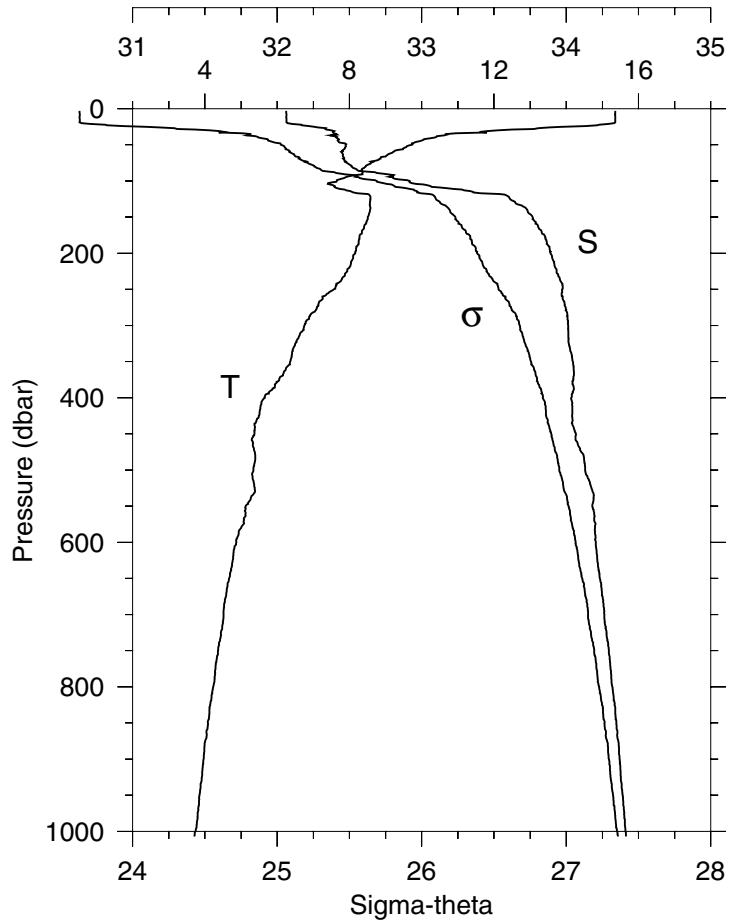
STA: 21 FM-1 LAT: 43 13.1 N LONG: 124 26.0 W
12 JUL 2002 0120 GMT DEPTH 35



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	9.45	33.664	9.45	26.000	0.020	5.00	59.4
10	8.77	33.742	8.77	26.168	0.195	5.00	66.1
20	8.06	33.823	8.06	26.342	0.369	3.18	68.4
30	7.79	33.868	7.78	26.416	0.534	2.91	68.8
31	7.75	33.876	7.75	26.429	0.550	3.07	67.7

Station 22 CR-11
Temperature, Salinity

STA: 22 CR-11 LAT: 41 54.1 N LONG: 126 0.1 W
12 JUL 2002 1218 GMT DEPTH 3330

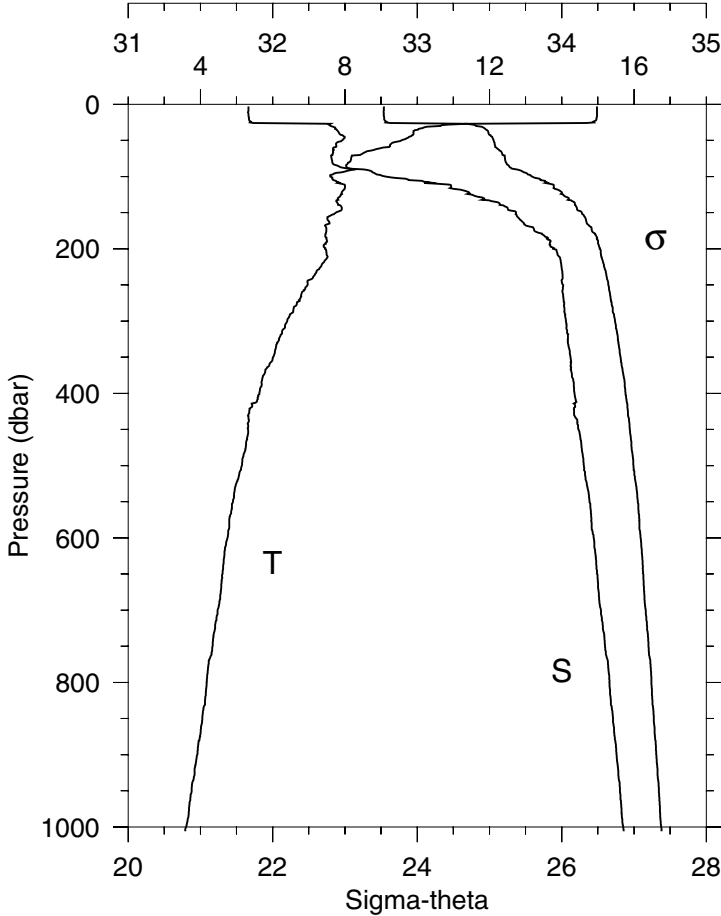


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	15.36	32.063	15.36	23.632	0.128	0.46	88.4
10	15.35	32.064	15.35	23.634	0.425	0.44	88.4
20	15.33	32.071	15.32	23.646	0.851	0.46	88.4
30	12.10	32.375	12.10	24.534	1.235	0.53	87.9
40	10.36	32.410	10.36	24.871	1.555	1.75	84.7
50	9.73	32.474	9.73	25.025	1.854	1.25	88.1
60	9.21	32.443	9.20	25.085	2.144	0.93	89.3
70	8.81	32.464	8.81	25.163	2.428	0.63	90.0
80	8.45	32.515	8.44	25.258	2.704	0.48	90.3
90	8.36	32.738	8.35	25.446	2.969	0.41	90.4
100	7.65	32.917	7.64	25.689	3.212	0.37	90.5
110	7.66	33.175	7.65	25.892	3.434	0.36	90.6
120	8.56	33.586	8.55	26.082	3.638	0.37	90.4
130	8.57	33.647	8.56	26.128	3.830	0.37	90.4
140	8.57	33.731	8.56	26.194	4.016	0.37	90.3
150	8.51	33.768	8.49	26.232	4.199	0.37	90.3
175	8.29	33.849	8.27	26.330	4.640	0.37	90.3
200	8.16	33.891	8.14	26.383	5.063	0.37	90.3
225	7.94	33.933	7.92	26.448	5.473	0.37	90.4
250	7.57	33.972	7.55	26.532	5.865	0.37	90.5
275	7.10	33.996	7.08	26.618	6.238	0.37	90.5
300	6.75	34.013	6.72	26.679	6.593	0.37	90.6
350	6.36	34.046	6.33	26.757	7.276	0.37	90.4
400	5.66	34.035	5.62	26.837	7.920	0.37	90.6
450	5.38	34.067	5.34	26.896	8.534	0.38	90.6
500	5.34	34.131	5.30	26.951	9.122	0.38	90.5
600	4.87	34.205	4.82	27.065	10.224	0.37	90.5
800	4.23	34.319	4.17	27.227	12.182	0.38	90.6
1000	3.74	34.411	3.66	27.352	13.890	0.38	90.5
1007	3.70	34.414	3.63	27.358	13.946	0.38	90.6

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Station 23 CR-10
Temperature, Salinity

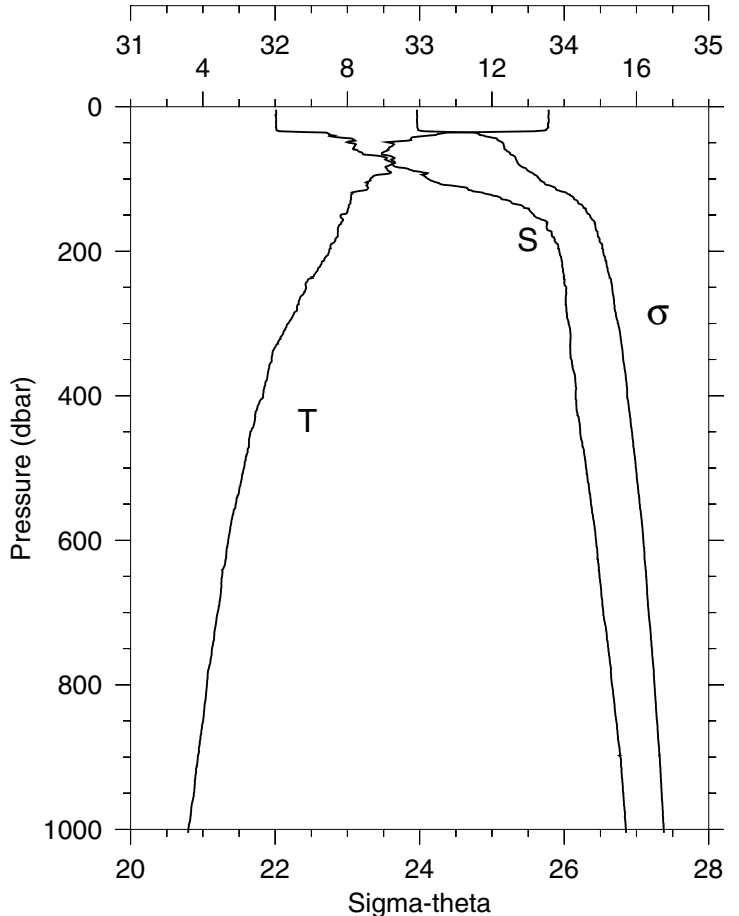
STA: 23 CR-10 LAT: 41 54.0 N LONG: 125 40.0 W
12 JUL 2002 1516 GMT DEPTH 2927



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	14.98	31.832	14.98	23.536	0.130	0.42	88.6
10	14.98	31.830	14.98	23.536	0.434	0.45	86.1
20	14.96	31.836	14.96	23.543	0.869	0.45	88.6
30	10.65	32.400	10.65	24.813	1.261	1.48	84.1
40	9.90	32.460	9.89	24.987	1.562	2.05	84.1
50	9.56	32.480	9.56	25.057	1.855	1.23	87.6
60	9.06	32.421	9.05	25.092	2.144	0.97	88.6
70	8.42	32.413	8.41	25.183	2.426	0.63	89.6
80	8.12	32.412	8.11	25.226	2.701	0.62	89.8
90	8.27	32.628	8.26	25.373	2.972	0.47	90.2
100	7.59	32.782	7.58	25.592	3.221	0.39	90.3
110	7.90	33.145	7.89	25.833	3.449	0.40	90.4
120	7.93	33.334	7.92	25.977	3.660	0.36	90.4
130	7.80	33.461	7.78	26.097	3.859	0.36	90.5
140	7.87	33.596	7.86	26.192	4.047	0.37	90.4
150	7.75	33.682	7.73	26.278	4.228	0.37	90.4
175	7.49	33.811	7.47	26.417	4.651	0.36	90.5
200	7.45	33.942	7.43	26.526	5.042	0.37	90.5
225	7.32	33.998	7.30	26.588	5.418	0.37	90.5
250	6.97	34.009	6.95	26.645	5.780	0.38	90.5
275	6.67	34.016	6.64	26.692	6.131	0.38	90.2
300	6.40	34.029	6.37	26.738	6.472	0.38	90.3
350	6.01	34.062	5.98	26.814	7.125	0.37	90.5
400	5.63	34.088	5.60	26.882	7.744	0.38	90.5
450	5.32	34.115	5.28	26.942	8.335	0.38	90.6
500	5.14	34.153	5.10	26.992	8.902	0.38	90.6
600	4.75	34.221	4.70	27.092	9.968	0.38	90.6
800	4.17	34.329	4.11	27.241	11.898	0.38	90.6
1000	3.60	34.425	3.53	27.377	13.576	0.37	90.6
1006	3.58	34.428	3.51	27.381	13.622	0.37	90.6

Station 24 CR-9a
Temperature, Salinity

STA: 24 CR-9a LAT: 41 54.0 N LONG: 125 24.0 W
12 JUL 2002 1740 GMT DEPTH 3096

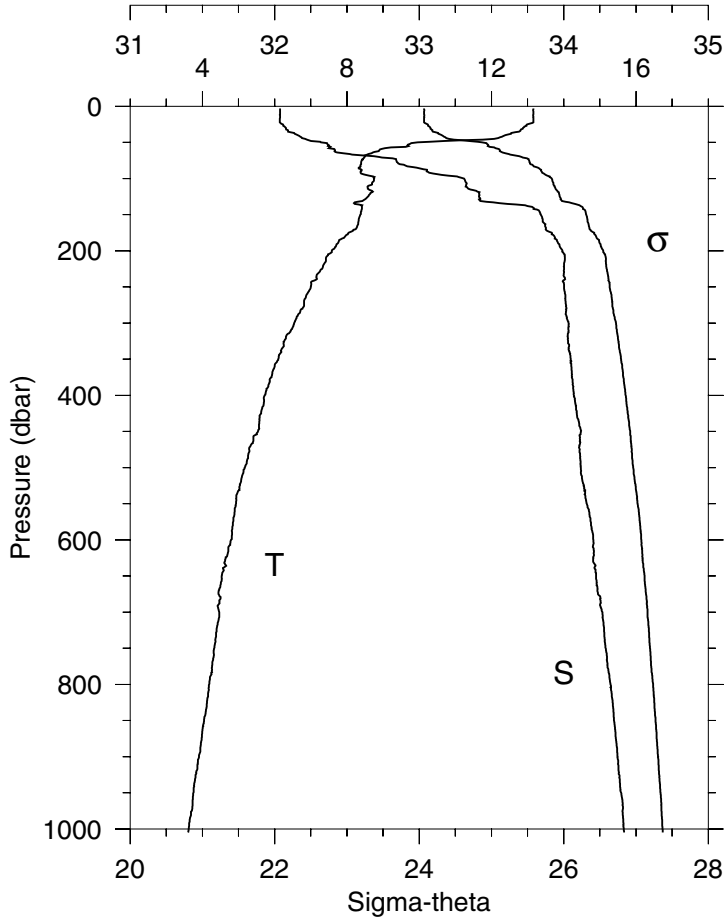


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
4	13.57	32.006	13.57	23.962	0.157	0.52	87.4
10	13.57	32.007	13.57	23.963	0.394	0.52	87.3
20	13.57	32.007	13.57	23.962	0.788	0.55	87.3
30	13.53	32.008	13.53	23.972	1.182	0.69	86.6
40	10.25	32.406	10.25	24.886	1.533	2.51	83.8
50	9.16	32.507	9.16	25.142	1.825	2.27	85.4
60	9.14	32.568	9.13	25.194	2.104	1.87	86.8
70	9.28	32.762	9.27	25.324	2.376	0.99	88.2
80	9.22	32.813	9.21	25.373	2.639	0.74	88.0
90	9.19	33.005	9.19	25.527	2.893	0.85	87.7
100	8.63	33.058	8.62	25.656	3.132	0.63	88.7
110	8.54	33.255	8.53	25.825	3.361	0.85	87.7
120	8.14	33.447	8.12	26.036	3.570	0.52	90.0
130	8.09	33.617	8.07	26.177	3.761	0.38	90.3
140	8.03	33.722	8.02	26.267	3.942	0.39	90.4
150	7.82	33.791	7.80	26.354	4.114	0.38	90.3
175	7.74	33.913	7.72	26.462	4.522	0.39	90.2
200	7.50	33.966	7.48	26.537	4.910	0.38	90.2
225	7.18	33.991	7.16	26.602	5.283	0.38	90.4
250	6.86	34.014	6.83	26.665	5.641	0.38	90.5
275	6.61	34.012	6.59	26.696	5.989	0.38	90.6
300	6.36	34.030	6.34	26.743	6.329	0.38	90.5
350	5.90	34.049	5.87	26.817	6.976	0.37	89.9
400	5.66	34.080	5.63	26.871	7.596	0.37	90.5
450	5.31	34.110	5.28	26.938	8.191	0.38	90.6
500	5.14	34.151	5.10	26.991	8.761	0.37	90.2
600	4.70	34.220	4.65	27.096	9.828	0.38	90.6
800	4.11	34.331	4.05	27.249	11.741	0.37	90.7
1000	3.60	34.427	3.53	27.378	13.401	0.37	90.7
1005	3.59	34.428	3.52	27.380	13.440	0.37	90.7

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Station 25 CR-8
Temperature, Salinity

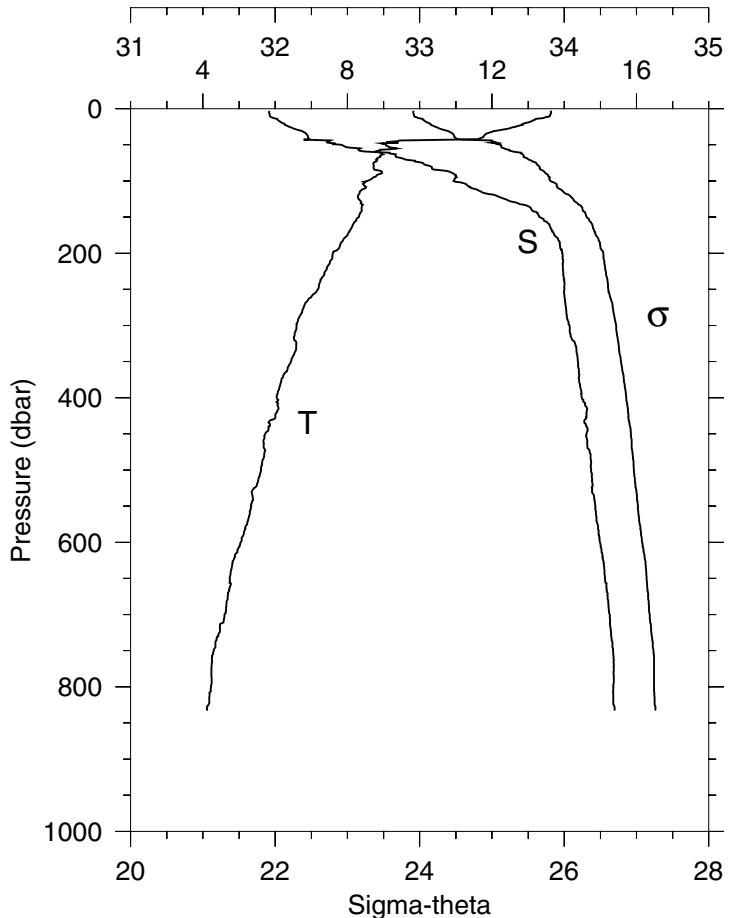
STA: 25 CR-8 LAT: 41 54.1 N LONG: 125 12.2 W
12 JUL 2002 2012 GMT DEPTH 2766



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	13.16	32.037	13.16	24.068	0.115	0.85	86.1
10	13.16	32.037	13.15	24.068	0.384	0.92	86.2
20	13.16	32.036	13.16	24.067	0.768	0.85	86.2
30	12.87	32.077	12.87	24.155	1.148	1.11	85.5
40	12.39	32.159	12.38	24.312	1.518	1.33	86.3
50	9.96	32.320	9.95	24.868	1.862	1.74	84.8
60	8.90	32.416	8.90	25.111	2.159	1.10	88.1
70	8.48	32.724	8.47	25.417	2.434	0.62	89.7
80	8.39	32.865	8.38	25.541	2.682	0.96	89.2
90	8.38	33.052	8.37	25.690	2.918	0.44	89.8
100	8.76	33.311	8.75	25.836	3.143	0.62	88.9
110	8.59	33.323	8.58	25.870	3.359	0.57	89.0
120	8.65	33.415	8.64	25.933	3.570	0.55	88.7
130	8.46	33.418	8.44	25.966	3.777	0.57	88.9
140	8.41	33.787	8.40	26.261	3.967	0.44	89.7
150	8.37	33.842	8.35	26.312	4.141	0.50	89.8
175	8.05	33.918	8.03	26.420	4.566	0.41	90.1
200	7.58	33.991	7.56	26.546	4.958	0.41	90.2
225	7.30	34.002	7.28	26.594	5.329	0.38	90.2
250	7.00	34.003	6.98	26.637	5.692	0.38	90.2
275	6.81	34.015	6.79	26.672	6.045	0.38	90.4
300	6.54	34.033	6.51	26.723	6.390	0.38	90.2
350	6.09	34.049	6.07	26.793	7.053	0.38	90.5
400	5.72	34.071	5.69	26.857	7.685	0.38	90.7
450	5.54	34.119	5.50	26.919	8.290	0.37	90.6
500	5.17	34.118	5.13	26.961	8.872	0.37	90.7
600	4.79	34.205	4.74	27.075	9.962	0.38	90.6
800	4.19	34.324	4.13	27.236	11.910	0.37	90.7
1000	3.62	34.416	3.55	27.367	13.596	0.37	90.8
1005	3.61	34.417	3.53	27.370	13.635	0.37	90.8

Station 26 CR-7
Temperature, Salinity

STA: 26 CR-7 LAT: 41 54.0 N LONG: 125 0.2 W
12 JUL 2002 2244 GMT DEPTH 842

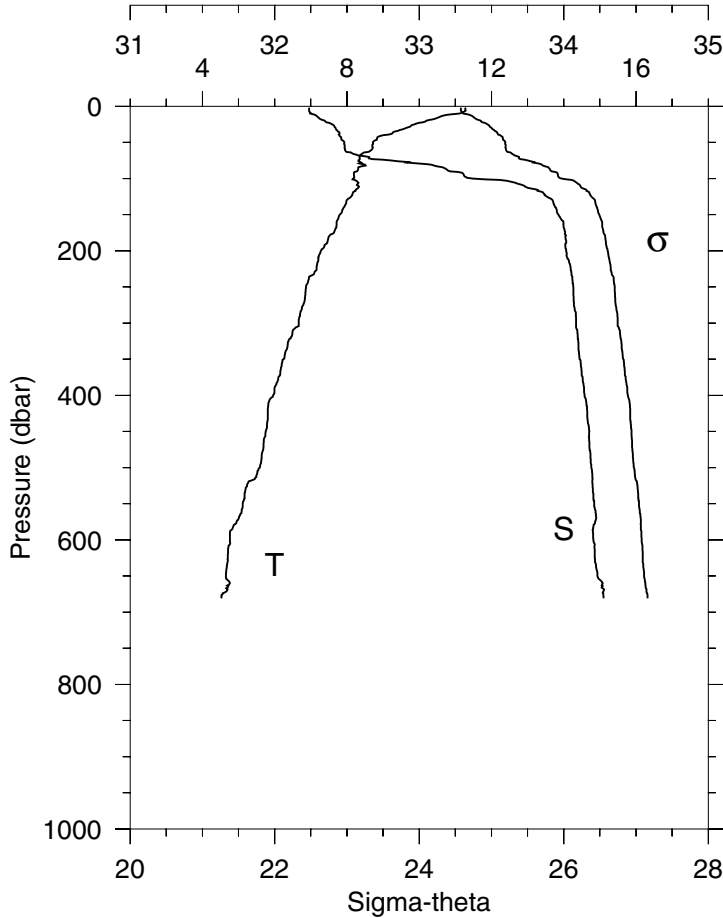


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	13.62	31.960	13.62	23.918	0.119	0.85	86.4
10	13.61	31.962	13.60	23.922	0.398	0.74	86.2
20	12.92	32.054	12.92	24.128	0.786	0.87	85.7
30	12.20	32.167	12.19	24.354	1.155	1.69	84.5
40	11.73	32.229	11.72	24.490	1.503	1.66	84.7
50	9.07	32.457	9.07	25.117	1.812	1.40	87.6
60	8.82	32.669	8.81	25.322	2.090	0.85	88.6
70	8.83	32.897	8.82	25.500	2.344	0.67	89.1
80	8.73	33.079	8.73	25.657	2.584	0.56	89.1
90	8.92	33.236	8.91	25.751	2.814	0.64	88.6
100	8.55	33.235	8.54	25.808	3.036	0.51	89.2
110	8.50	33.361	8.49	25.914	3.249	0.59	89.1
120	8.30	33.526	8.28	26.075	3.451	0.55	89.1
130	8.38	33.667	8.37	26.172	3.642	0.64	89.6
140	8.40	33.774	8.38	26.254	3.823	0.42	89.9
150	8.31	33.831	8.30	26.311	3.998	0.41	90.0
175	8.00	33.932	7.99	26.437	4.412	0.40	90.3
200	7.60	33.986	7.58	26.538	4.803	0.39	90.1
225	7.39	33.992	7.37	26.574	5.179	0.39	90.4
250	7.18	34.000	7.15	26.610	5.547	0.39	90.3
275	6.79	34.012	6.76	26.673	5.904	0.38	90.5
300	6.59	34.037	6.57	26.718	6.249	0.40	90.4
350	6.43	34.094	6.40	26.785	6.917	0.38	90.3
400	6.04	34.121	6.01	26.858	7.550	0.38	90.4
450	5.73	34.154	5.69	26.923	8.156	0.38	90.4
500	5.61	34.186	5.56	26.964	8.737	0.38	90.4
600	5.05	34.248	5.00	27.079	9.835	0.38	90.1
800	4.23	34.341	4.17	27.244	11.736	0.38	90.3
833	4.10	34.351	4.04	27.266	12.030	0.38	90.3

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Station 27 CR-6
Temperature, Salinity

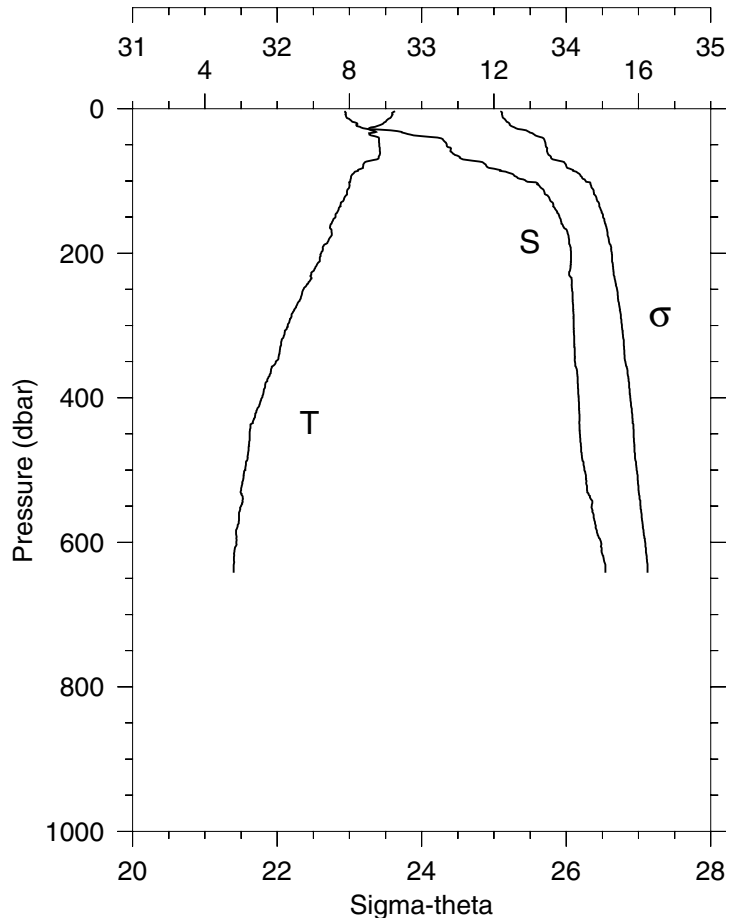
STA: 27 CR-6 LAT: 41 54.1 N LONG: 124 48.0 W
13 JUL 2002 0101 GMT DEPTH 698



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.26	32.238	11.26	24.579	0.067	1.56	83.8
10	11.11	32.245	11.11	24.611	0.335	1.50	83.6
20	10.19	32.347	10.19	24.851	0.654	2.57	83.2
30	9.64	32.421	9.64	24.999	0.955	3.66	83.4
40	9.02	32.446	9.01	25.117	1.245	1.77	87.4
50	8.72	32.481	8.71	25.191	1.526	0.57	89.6
60	8.69	32.485	8.68	25.198	1.803	0.61	89.8
70	8.35	32.654	8.34	25.382	2.073	0.42	90.4
80	8.45	33.055	8.44	25.682	2.321	0.41	89.8
90	8.27	33.215	8.26	25.834	2.544	0.54	89.6
100	8.17	33.371	8.16	25.971	2.753	0.57	89.4
110	8.31	33.727	8.30	26.229	2.940	0.38	90.3
120	8.16	33.859	8.15	26.356	3.115	0.40	90.4
130	7.99	33.923	7.98	26.431	3.280	0.39	90.2
140	7.91	33.944	7.90	26.460	3.440	0.38	90.4
150	7.80	33.963	7.78	26.492	3.597	0.39	90.3
175	7.64	34.010	7.62	26.552	3.978	0.38	89.9
200	7.28	34.016	7.26	26.608	4.347	0.41	90.1
225	7.16	34.048	7.14	26.651	4.705	0.38	89.8
250	6.87	34.066	6.84	26.704	5.052	0.40	90.0
275	6.79	34.071	6.76	26.720	5.393	0.39	90.1
300	6.67	34.085	6.64	26.747	5.728	0.41	90.2
350	6.25	34.110	6.22	26.822	6.376	0.38	90.3
400	5.95	34.145	5.92	26.887	6.994	0.38	90.1
450	5.75	34.177	5.71	26.938	7.586	0.38	90.3
500	5.59	34.191	5.55	26.970	8.164	0.38	90.2
600	4.76	34.205	4.71	27.077	9.242	0.37	90.6
681	4.52	34.275	4.47	27.160	10.062	0.38	89.3

Station 28 CR-5
Temperature, Salinity

STA: 28 CR-5 LAT: 41 54.0 N LONG: 124 42.1 W
13 JUL 2002 0242 GMT DEPTH 661

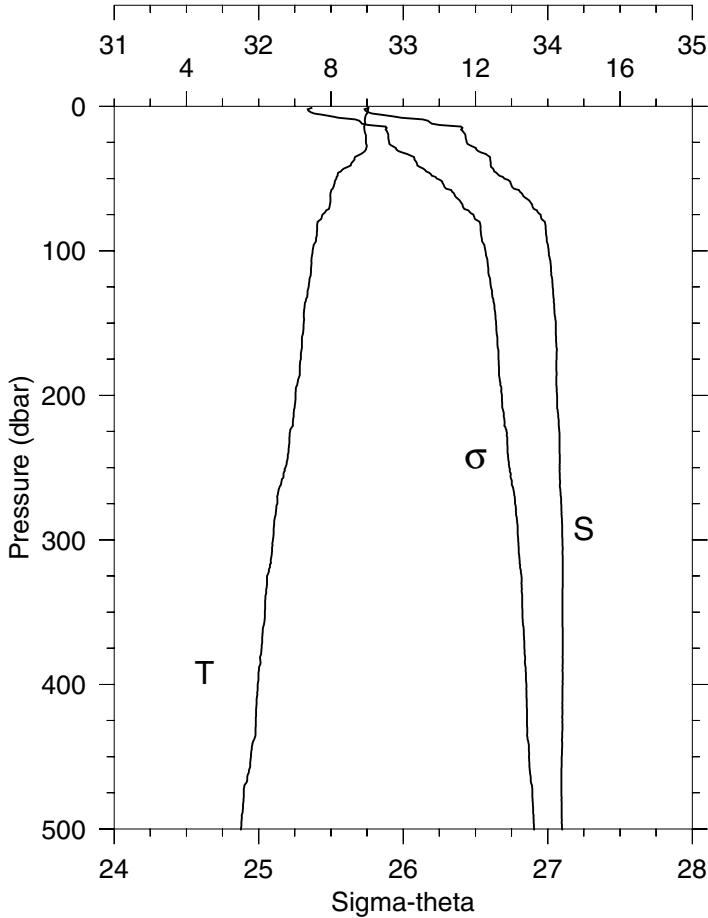


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.23	32.470	9.23	25.103	0.086	1.53	86.0
10	9.17	32.476	9.17	25.116	0.285	1.80	86.1
20	8.95	32.551	8.94	25.210	0.565	1.64	86.4
30	8.61	32.786	8.60	25.446	0.834	0.56	89.1
40	8.81	33.109	8.81	25.668	1.077	2.11	83.6
50	8.82	33.174	8.82	25.717	1.306	2.62	81.7
60	8.85	33.205	8.84	25.738	1.532	3.19	80.8
70	8.76	33.285	8.75	25.814	1.755	4.07	80.5
80	8.38	33.452	8.37	26.003	1.961	1.84	85.8
90	8.10	33.625	8.09	26.181	2.153	0.94	88.6
100	8.02	33.722	8.01	26.269	2.334	0.44	90.3
110	7.98	33.828	7.97	26.357	2.504	0.38	90.4
120	7.91	33.870	7.89	26.402	2.669	0.37	90.4
130	7.77	33.906	7.75	26.451	2.831	0.37	90.3
140	7.70	33.928	7.68	26.479	2.989	0.38	90.4
150	7.62	33.953	7.61	26.509	3.144	0.38	90.4
175	7.51	34.014	7.50	26.573	3.520	0.40	90.3
200	7.22	34.033	7.20	26.629	3.884	0.38	90.4
225	6.99	34.024	6.97	26.654	4.239	0.38	90.5
250	6.73	34.040	6.71	26.703	4.587	0.38	90.5
275	6.52	34.048	6.50	26.736	4.926	0.38	90.6
300	6.29	34.052	6.26	26.770	5.256	0.38	90.6
350	5.97	34.061	5.93	26.819	5.900	0.38	90.7
400	5.58	34.086	5.55	26.886	6.516	0.37	90.7
450	5.24	34.094	5.20	26.934	7.107	0.38	90.7
500	5.12	34.125	5.08	26.973	7.683	0.38	90.7
600	4.87	34.241	4.82	27.093	8.766	0.38	90.4
642	4.80	34.272	4.75	27.127	9.190	0.39	87.5

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Station 29 CR-4
Temperature, Salinity

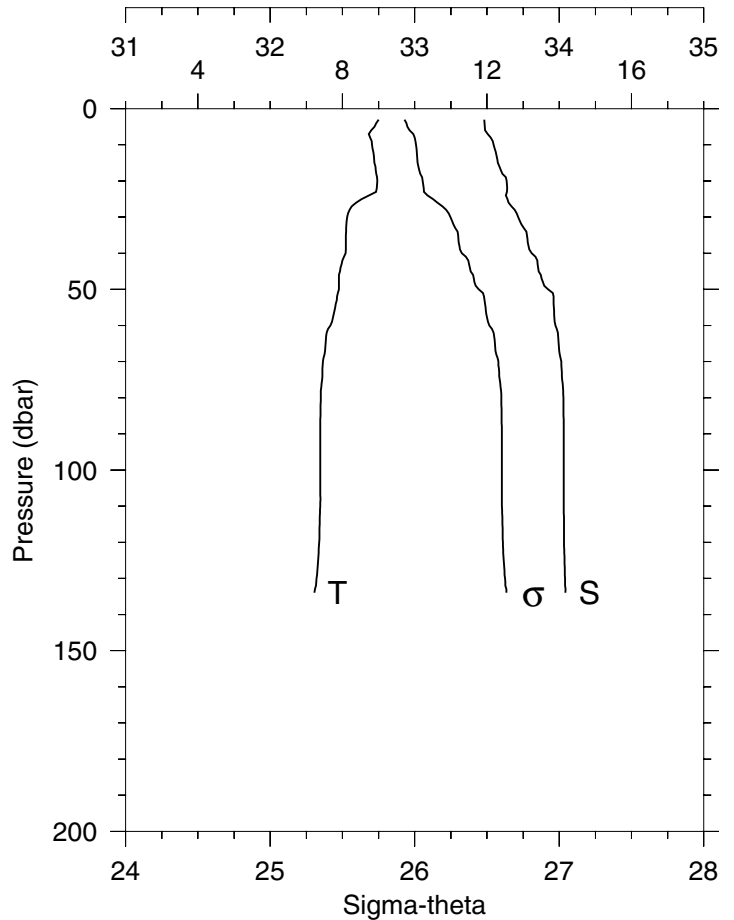
STA: 29 CR-4 LAT: 41 54.0 N LONG: 124 36.1 W
13 JUL 2002 0418 GMT DEPTH 506



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	8.99	32.766	8.99	25.371	0.026	2.90	84.4
10	8.94	33.170	8.94	25.695	0.252	4.15	79.4
20	8.97	33.431	8.96	25.896	0.468	5.00	74.9
30	8.97	33.505	8.97	25.953	0.677	5.00	72.9
40	8.55	33.606	8.55	26.097	0.873	3.43	79.9
50	8.15	33.700	8.14	26.232	1.058	0.49	89.3
60	7.99	33.818	7.98	26.348	1.231	0.53	88.8
70	7.96	33.897	7.95	26.415	1.395	0.80	87.1
80	7.63	33.980	7.62	26.528	1.551	0.47	88.7
90	7.60	33.991	7.59	26.541	1.701	0.44	89.7
100	7.49	34.006	7.48	26.569	1.850	0.42	89.8
110	7.46	34.021	7.45	26.586	1.997	0.47	89.7
120	7.40	34.031	7.39	26.601	2.142	0.39	89.0
130	7.35	34.038	7.34	26.614	2.286	0.38	89.0
140	7.26	34.045	7.25	26.632	2.429	0.39	89.3
150	7.24	34.055	7.23	26.643	2.571	0.39	89.6
175	7.17	34.061	7.15	26.659	2.922	0.39	89.6
200	7.02	34.064	7.00	26.682	3.270	0.39	89.7
225	6.87	34.080	6.85	26.715	3.613	0.38	89.6
250	6.74	34.082	6.71	26.735	3.950	0.38	89.5
275	6.51	34.092	6.49	26.773	4.280	0.44	89.4
300	6.39	34.101	6.37	26.795	4.603	0.38	89.3
350	6.17	34.102	6.14	26.825	5.239	0.38	89.0
400	5.97	34.103	5.94	26.852	5.866	0.38	88.7
450	5.79	34.097	5.75	26.870	6.485	0.38	88.9
500	5.51	34.099	5.47	26.906	7.092	0.38	88.1
501	5.52	34.099	5.47	26.905	7.104	0.38	88.0

Station 30 CR-3
Temperature, Salinity

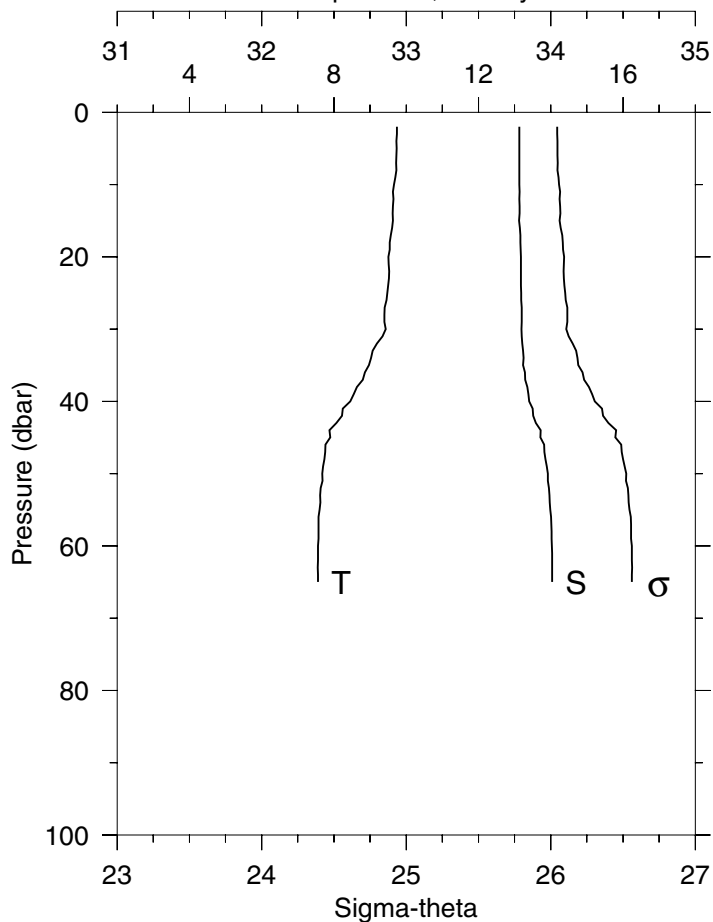
STA: 30 CR-3 LAT: 41 54.0 N LONG: 124 30.1 W
13 JUL 2002 0714 GMT DEPTH 139



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.01	33.482	9.01	25.929	0.062	5.00	64.4
10	8.82	33.546	8.82	26.009	0.203	5.00	74.4
20	8.97	33.636	8.97	26.056	0.401	5.00	69.0
30	8.13	33.716	8.13	26.247	0.588	0.81	88.0
40	8.09	33.809	8.08	26.327	0.761	1.03	87.2
50	7.90	33.923	7.90	26.443	0.924	0.73	86.8
60	7.67	33.974	7.66	26.517	1.079	0.54	86.6
70	7.46	34.014	7.45	26.579	1.227	0.44	87.4
80	7.40	34.029	7.39	26.599	1.372	0.39	85.7
90	7.39	34.031	7.38	26.603	1.516	0.41	83.8
100	7.39	34.031	7.38	26.603	1.660	0.41	83.1
110	7.39	34.032	7.38	26.604	1.804	0.41	82.6
120	7.36	34.034	7.34	26.610	1.948	0.50	81.6
130	7.28	34.040	7.27	26.625	2.091	0.41	82.0
134	7.23	34.043	7.21	26.635	2.148	0.42	83.0

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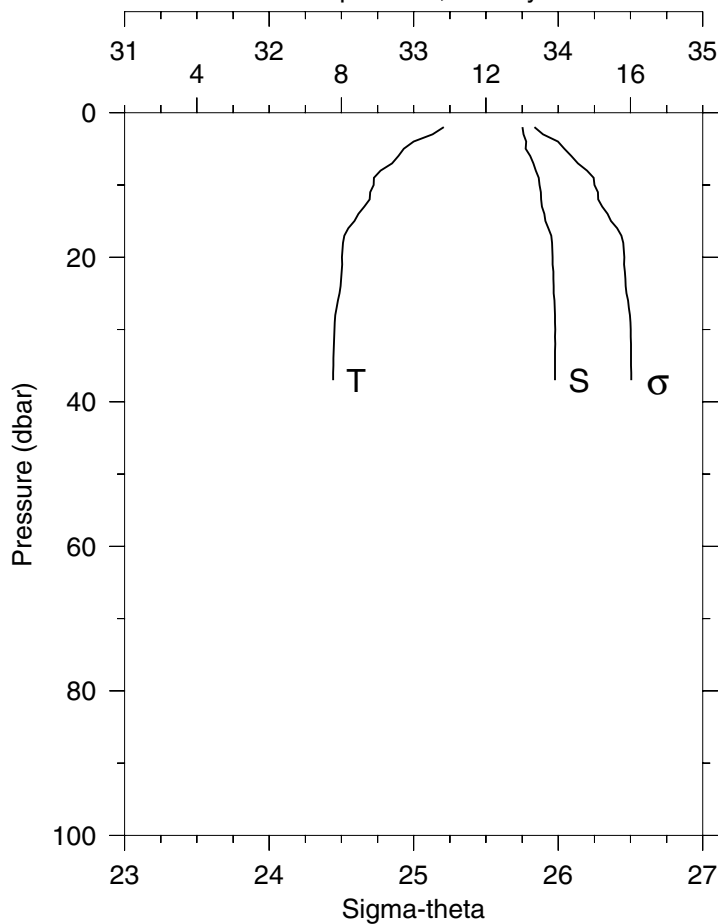
Station 31 CR-2
Temperature, Salinity



STA: 31 CR-2 LAT: 41 54.0 N LONG: 124 24.0 W
13 JUL 2002 0918 GMT DEPTH 70

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.74	33.782	9.74	26.044	0.039	0.91	84.1
10	9.66	33.782	9.66	26.058	0.195	0.92	84.1
20	9.51	33.793	9.51	26.092	0.389	1.02	83.9
30	9.43	33.798	9.43	26.108	0.579	1.00	84.2
40	8.45	33.851	8.45	26.304	0.760	0.76	85.9
50	7.67	33.980	7.67	26.522	0.919	0.63	85.5
60	7.56	34.008	7.55	26.561	1.068	0.63	82.4
65	7.56	34.010	7.55	26.562	1.142	0.65	80.9

Station 32 CR-1
Temperature, Salinity

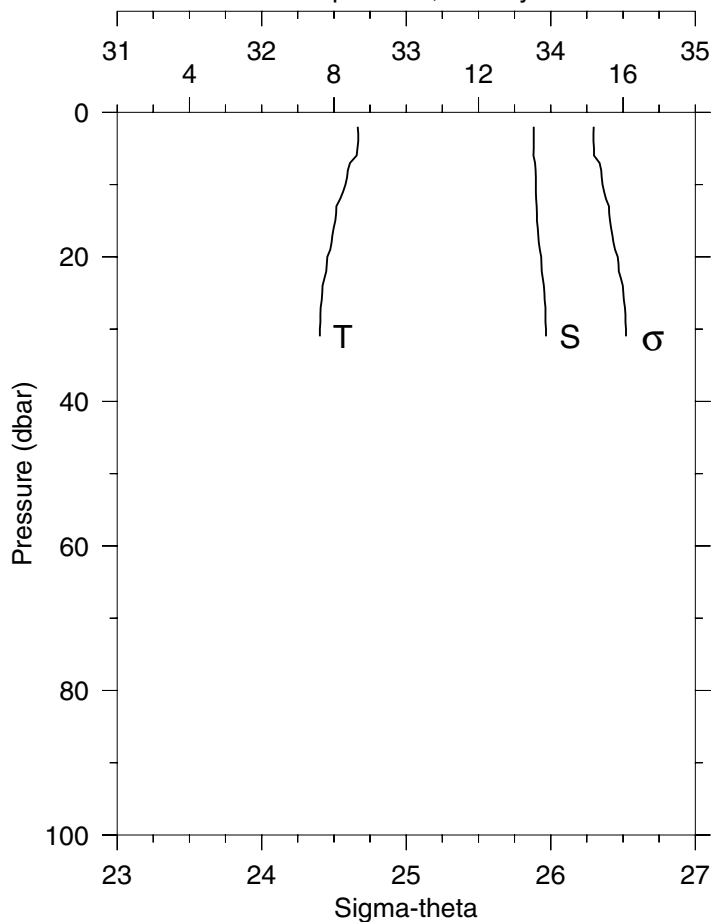


STA: 32 CR-1 LAT: 41 54.0 N LONG: 124 18.0 W
13 JUL 2002 1101 GMT DEPTH 42

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.83	33.753	10.83	25.835	0.043	5.00	43.8
10	8.89	33.870	8.89	26.251	0.197	5.00	60.7
20	8.02	33.962	8.02	26.457	0.362	1.49	80.5
30	7.81	33.979	7.80	26.501	0.517	1.04	74.1
37	7.77	33.977	7.76	26.505	0.623	1.09	69.3

W0207A

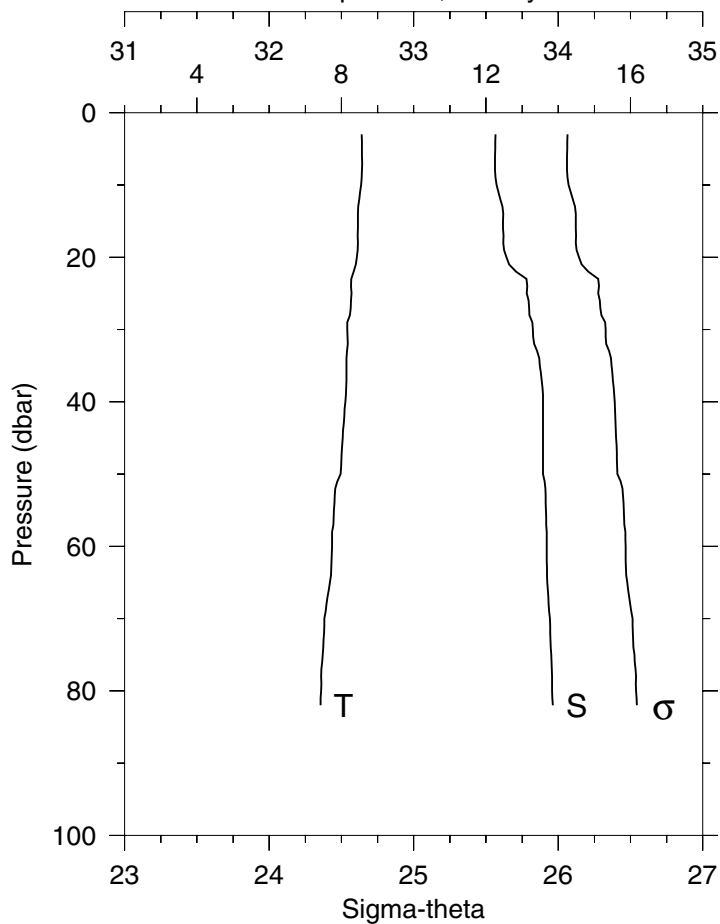
Station 33 RR-1
Temperature, Salinity



STA: 33 RR-1 LAT: 42 30.0 N LONG: 124 30.0 W
13 JUL 2002 1505 GMT DEPTH 36

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.66	33.882	8.66	26.297	0.034	5.00	67.4
10	8.32	33.896	8.32	26.359	0.170	4.59	71.2
20	7.82	33.933	7.82	26.463	0.331	1.85	80.0
30	7.61	33.967	7.61	26.520	0.484	1.20	81.1
31	7.61	33.967	7.61	26.521	0.499	1.11	81.0

Station 34 RR-2
Temperature, Salinity

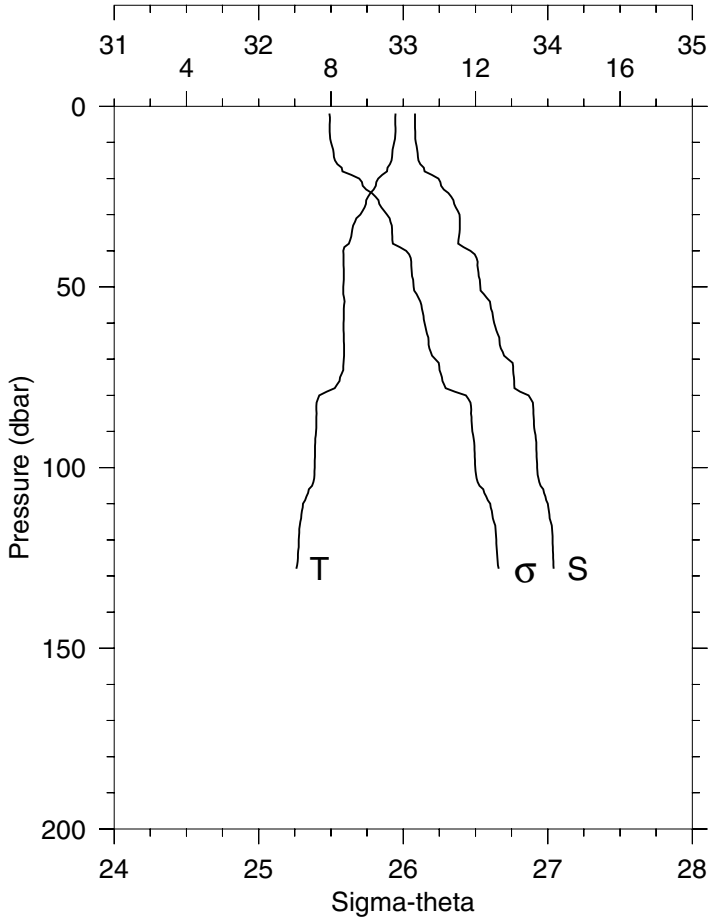


STA: 34 RR-2 LAT: 42 30.0 N LONG: 124 36.0 W
13 JUL 2002 1620 GMT DEPTH 86

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	8.56	33.566	8.56	26.064	0.058	2.86	76.0
10	8.55	33.573	8.55	26.071	0.194	4.42	75.9
20	8.43	33.641	8.43	26.143	0.383	4.78	76.0
30	8.16	33.824	8.16	26.328	0.558	3.48	75.2
40	8.11	33.895	8.10	26.391	0.724	3.08	74.4
50	7.98	33.894	7.97	26.409	0.886	2.77	79.7
60	7.74	33.921	7.73	26.466	1.044	1.33	83.2
70	7.53	33.943	7.52	26.514	1.199	0.55	86.4
80	7.44	33.958	7.43	26.538	1.350	0.46	84.4
82	7.43	33.963	7.42	26.544	1.380	0.44	83.0

W0207A

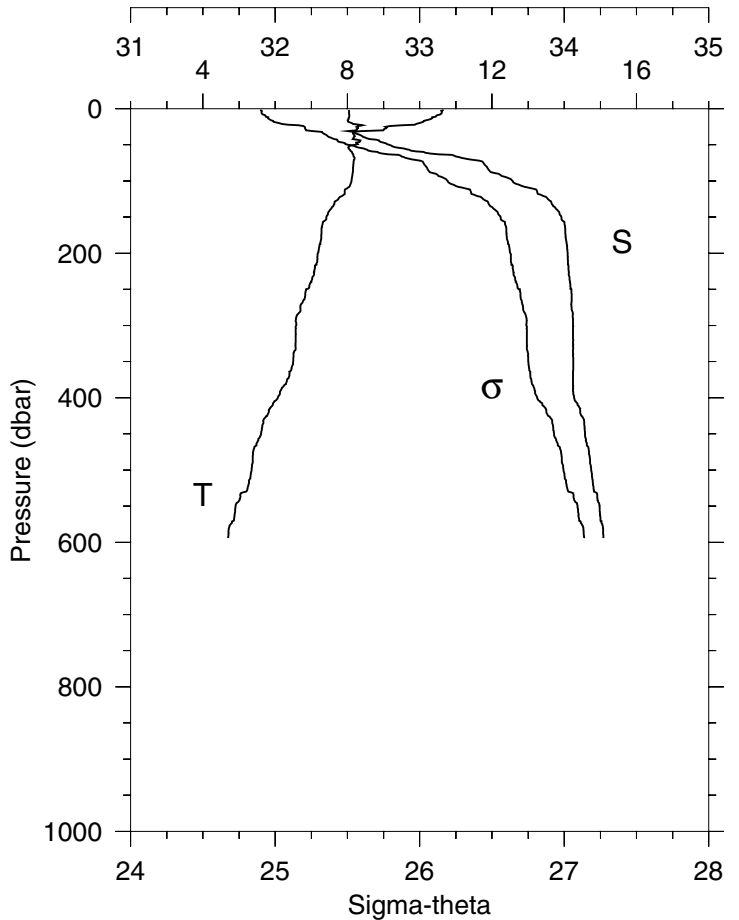
Station 35 RR-3
Temperature, Salinity



STA: 35 RR-3 LAT: 42 30.0 N LONG: 124 42.0 W
13 JUL 2002 1800 GMT DEPTH 133

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.79	33.081	9.79	25.489	0.050	3.85	68.2
10	9.75	33.087	9.75	25.501	0.248	5.00	67.7
20	9.30	33.243	9.30	25.695	0.491	5.00	69.4
30	8.81	33.389	8.81	25.887	0.710	5.00	75.1
40	8.34	33.466	8.34	26.020	0.917	1.99	84.6
50	8.34	33.534	8.34	26.073	1.113	2.20	83.8
60	8.35	33.630	8.34	26.147	1.302	2.36	82.1
70	8.36	33.725	8.35	26.221	1.486	3.29	79.7
80	7.68	33.867	7.67	26.433	1.661	1.22	84.5
90	7.59	33.910	7.58	26.479	1.817	0.49	86.1
100	7.55	33.927	7.54	26.498	1.972	0.47	86.8
110	7.23	34.001	7.22	26.602	2.122	0.48	85.4
120	7.11	34.033	7.10	26.644	2.265	0.40	85.7
128	7.04	34.041	7.03	26.660	2.377	0.40	85.2

Station 36 RR-4
Temperature, Salinity



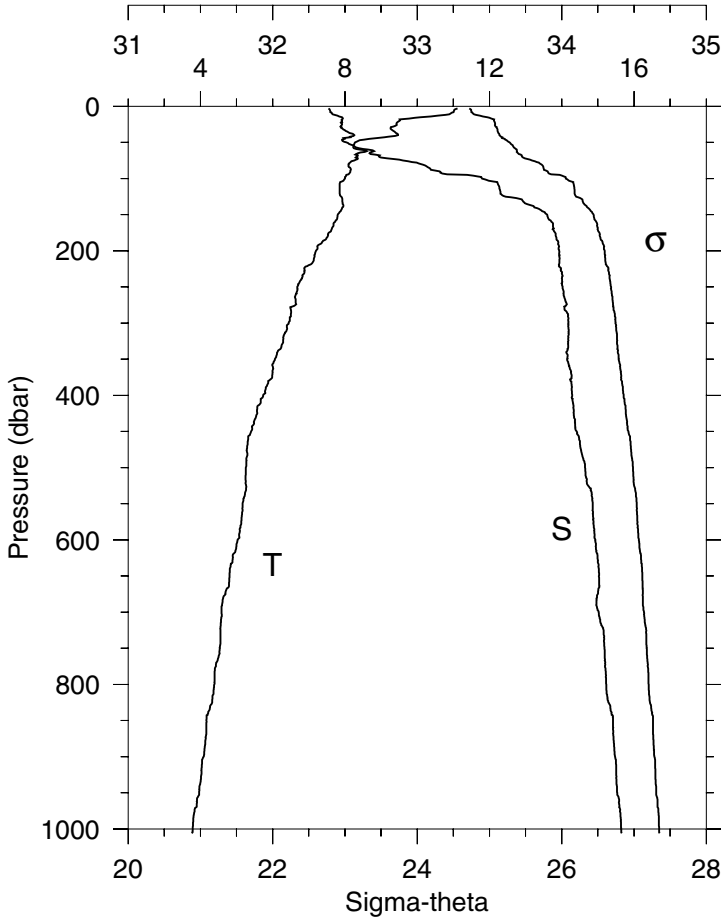
STA: 36 RR-4 LAT: 42 30.0 N LONG: 124 48.0 W
13 JUL 2002 2009 GMT DEPTH 599

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.66	32.509	10.66	24.896	0.061	2.29	76.1
10	10.45	32.513	10.45	24.934	0.304	5.00	76.1
20	9.99	32.532	9.98	25.028	0.602	4.60	77.1
30	8.99	32.564	8.99	25.213	0.881	3.08	82.7
40	8.17	32.623	8.16	25.384	1.145	0.62	89.3
50	8.23	32.787	8.23	25.504	1.398	1.29	86.6
60	8.13	33.028	8.12	25.708	1.637	0.42	89.7
70	8.19	33.344	8.18	25.947	1.853	0.42	89.9
80	8.16	33.463	8.15	26.045	2.052	0.42	89.9
90	8.14	33.546	8.13	26.113	2.247	0.40	90.0
100	8.11	33.644	8.10	26.194	2.434	0.40	89.6
110	8.00	33.770	7.99	26.310	2.613	0.44	89.2
120	7.88	33.846	7.86	26.388	2.781	0.42	90.2
130	7.64	33.912	7.63	26.474	2.942	0.47	90.0
140	7.52	33.951	7.51	26.522	3.097	0.41	88.9
150	7.42	33.980	7.41	26.559	3.247	0.43	87.1
175	7.28	34.009	7.26	26.602	3.613	0.42	86.6
200	7.18	34.023	7.16	26.627	3.975	0.39	88.5
225	7.08	34.032	7.06	26.648	4.332	0.39	87.6
250	6.86	34.050	6.83	26.693	4.683	0.40	87.8
275	6.70	34.051	6.67	26.716	5.025	0.38	89.2
300	6.58	34.060	6.55	26.738	5.362	0.39	88.9
350	6.50	34.062	6.47	26.751	6.031	0.39	88.8
400	6.07	34.069	6.04	26.813	6.689	0.38	89.3
450	5.61	34.143	5.57	26.929	7.294	0.39	88.2
500	5.35	34.187	5.31	26.995	7.863	0.38	88.7
594	4.70	34.272	4.65	27.137	8.843	0.39	88.6

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Station 37 RR-5
Temperature, Salinity

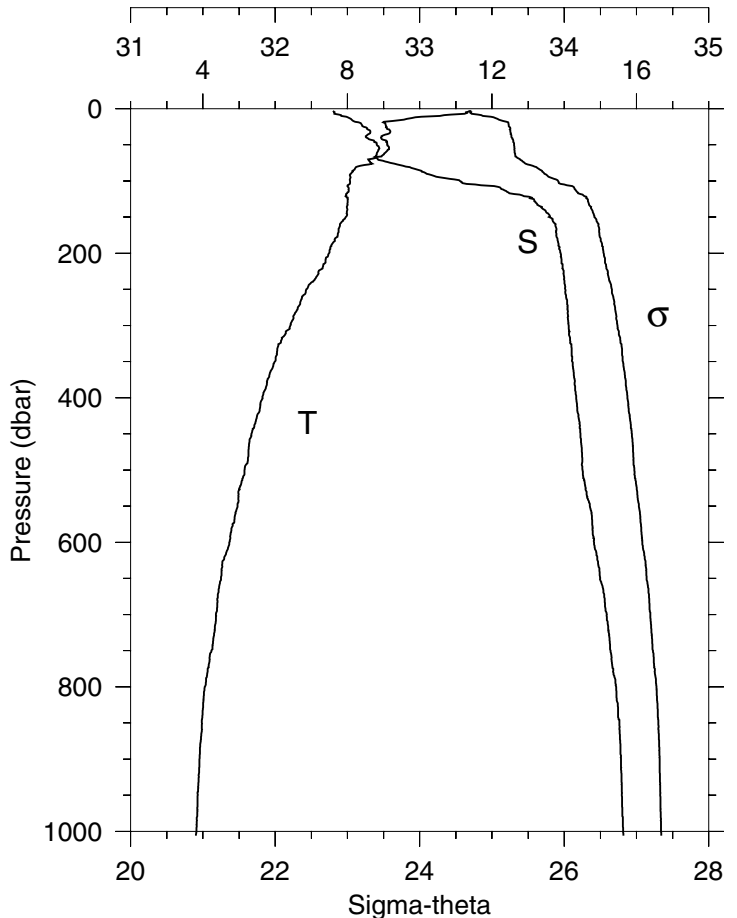
STA: 37 RR-5 LAT: 42 30.0 N LONG: 124 54.0 W
13 JUL 2002 2258 GMT DEPTH 1168



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.12	32.385	11.12	24.720	0.096	3.42	75.7
10	10.93	32.410	10.93	24.773	0.320	5.00	74.6
20	9.51	32.479	9.51	25.065	0.620	3.16	81.5
30	9.26	32.475	9.26	25.101	0.908	2.72	83.6
40	9.47	32.565	9.47	25.138	1.192	4.22	77.6
50	8.28	32.509	8.27	25.278	1.468	0.60	89.1
60	8.40	32.659	8.40	25.377	1.733	0.79	87.8
70	8.31	32.739	8.30	25.454	1.990	1.49	88.5
80	8.09	33.028	8.09	25.713	2.230	0.50	89.9
90	8.15	33.156	8.14	25.805	2.455	0.81	89.0
100	8.00	33.448	7.99	26.057	2.663	0.44	90.1
110	7.85	33.565	7.84	26.171	2.852	0.40	90.2
120	7.85	33.576	7.84	26.179	3.037	0.40	90.2
130	7.93	33.728	7.91	26.288	3.218	0.38	90.3
140	7.93	33.811	7.91	26.353	3.390	0.38	90.3
150	7.80	33.898	7.79	26.440	3.554	0.38	90.4
175	7.55	33.954	7.53	26.521	3.947	0.38	90.4
200	7.20	33.982	7.18	26.593	4.321	0.37	90.4
225	6.88	33.992	6.86	26.644	4.685	0.37	90.6
250	6.68	34.006	6.66	26.682	5.036	0.38	90.6
275	6.63	34.032	6.60	26.710	5.380	0.38	90.6
300	6.44	34.044	6.41	26.744	5.716	0.38	90.6
350	6.06	34.038	6.03	26.788	6.374	0.38	90.6
400	5.74	34.073	5.70	26.857	7.007	0.37	90.7
450	5.40	34.103	5.36	26.922	7.611	0.38	90.6
500	5.26	34.161	5.22	26.985	8.183	0.38	90.1
600	5.03	34.232	4.98	27.068	9.271	0.38	89.0
800	4.38	34.308	4.32	27.202	11.249	0.38	90.3
1000	3.79	34.410	3.71	27.346	12.984	0.38	90.0
1006	3.76	34.416	3.68	27.354	13.033	0.37	89.8

Station 38 RR-6
Temperature, Salinity

STA: 38 RR-6 LAT: 42 30.0 N LONG: 125 0.2 W
14 JUL 2002 0032 GMT DEPTH 1774

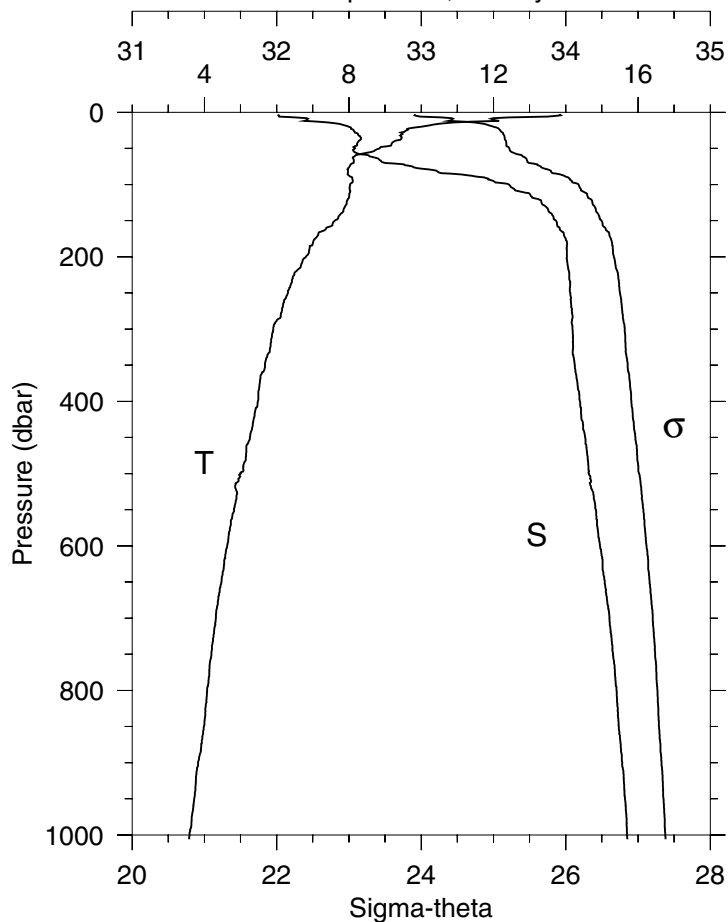


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.43	32.400	11.43	24.676	0.098	5.00	73.7
10	10.56	32.457	10.56	24.873	0.321	5.00	73.9
20	9.04	32.592	9.04	25.227	0.606	2.50	82.4
30	9.17	32.654	9.17	25.256	0.879	3.36	79.7
40	8.93	32.630	8.93	25.274	1.149	2.08	83.1
50	9.10	32.703	9.09	25.306	1.417	3.05	80.9
60	9.07	32.709	9.06	25.315	1.683	2.98	80.9
70	8.58	32.710	8.57	25.391	1.947	2.46	85.4
80	8.27	32.904	8.27	25.590	2.199	1.93	87.9
90	8.10	33.047	8.09	25.727	2.431	0.60	89.2
100	8.07	33.279	8.06	25.914	2.650	0.40	90.2
110	8.03	33.560	8.02	26.140	2.850	0.38	90.4
120	7.97	33.710	7.96	26.267	3.034	0.38	90.4
130	8.01	33.803	8.00	26.335	3.206	0.38	90.4
140	8.00	33.863	7.98	26.384	3.374	0.41	90.1
150	7.96	33.895	7.94	26.415	3.538	0.40	90.2
175	7.74	33.945	7.72	26.487	3.933	0.38	90.2
200	7.49	33.975	7.47	26.545	4.317	0.41	90.3
225	7.20	33.997	7.18	26.603	4.690	0.38	90.4
250	6.86	34.008	6.84	26.659	5.050	0.38	90.5
275	6.62	34.024	6.60	26.704	5.398	0.38	90.5
300	6.42	34.031	6.39	26.737	5.737	0.38	90.5
350	5.99	34.055	5.96	26.811	6.387	0.38	90.5
400	5.65	34.082	5.62	26.875	7.009	0.38	90.5
450	5.34	34.112	5.31	26.936	7.605	0.37	90.6
500	5.15	34.128	5.11	26.971	8.180	0.37	90.7
600	4.73	34.206	4.69	27.082	9.262	0.38	90.6
800	4.05	34.359	3.99	27.277	11.148	0.37	90.6
1000	3.82	34.407	3.74	27.341	12.813	0.38	90.1
1006	3.81	34.409	3.73	27.343	12.862	0.38	90.0

W0207A

Station 39 RR-7
Temperature, Salinity

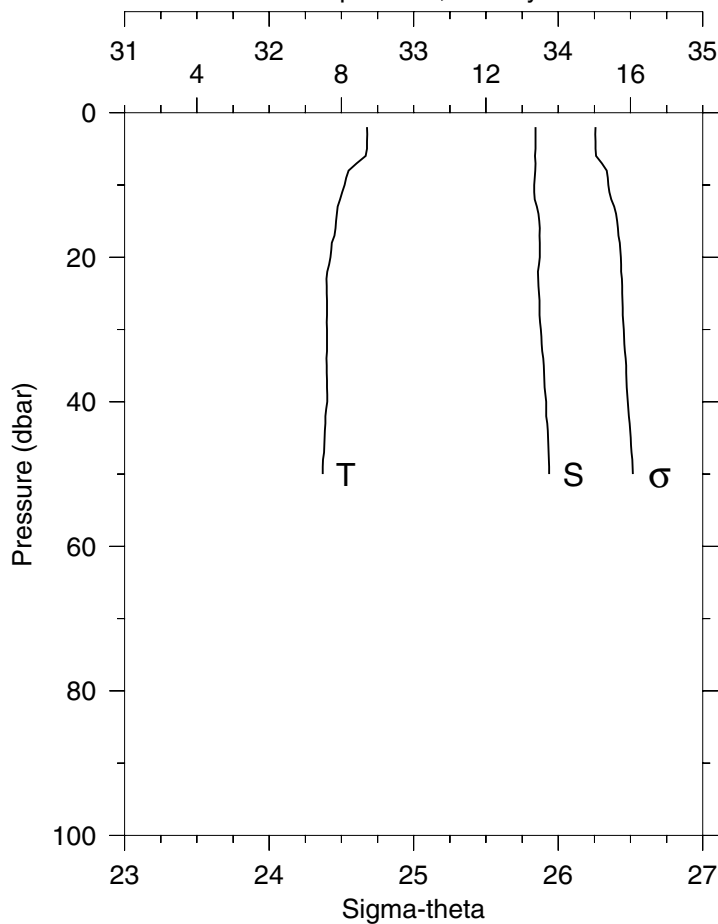
STA: 39 RR-7 LAT: 42 30.0 N LONG: 125 11.9 W
14 JUL 2002 0225 GMT DEPTH 2971



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	13.83	32.014	13.83	23.915	0.119	0.64	86.8
10	12.01	32.209	12.01	24.421	0.382	2.44	83.3
20	10.00	32.499	10.00	25.000	0.702	5.00	76.6
30	9.48	32.562	9.48	25.134	0.989	5.00	77.8
40	9.26	32.566	9.26	25.173	1.270	4.34	79.4
50	8.85	32.542	8.85	25.218	1.548	1.73	84.5
60	8.18	32.637	8.17	25.394	1.817	1.04	88.6
70	8.12	32.751	8.12	25.491	2.070	0.41	90.1
80	7.97	33.088	7.96	25.779	2.304	0.42	90.2
90	8.09	33.436	8.08	26.034	2.517	0.42	90.2
100	8.03	33.607	8.02	26.177	2.709	0.37	90.3
110	8.03	33.693	8.02	26.246	2.892	0.38	90.2
120	7.97	33.808	7.96	26.344	3.065	0.39	90.3
130	7.90	33.858	7.88	26.395	3.232	0.38	90.4
140	7.78	33.900	7.77	26.444	3.395	0.48	90.4
150	7.61	33.932	7.59	26.495	3.553	0.38	90.4
175	7.06	34.000	7.04	26.625	3.926	0.38	90.4
200	6.80	34.007	6.79	26.666	4.279	0.37	90.5
225	6.49	34.025	6.47	26.722	4.621	0.38	90.5
250	6.31	34.031	6.28	26.751	4.954	0.38	90.5
275	6.14	34.042	6.12	26.781	5.281	0.38	90.6
300	5.91	34.047	5.88	26.815	5.600	0.38	90.5
350	5.68	34.063	5.65	26.856	6.226	0.38	90.6
400	5.48	34.098	5.45	26.908	6.828	0.37	90.6
450	5.26	34.135	5.22	26.964	7.409	0.38	90.6
500	5.01	34.161	4.97	27.014	7.967	0.37	90.6
600	4.63	34.237	4.58	27.117	9.009	0.38	90.7
800	4.07	34.351	4.01	27.269	10.868	0.37	90.7
1000	3.59	34.423	3.52	27.376	12.515	0.37	90.7
1006	3.58	34.426	3.51	27.379	12.561	0.37	90.7

Station 40 HH-1
Temperature, Salinity

STA: 40 HH-1 LAT: 44 0.1 N LONG: 124 12.1 W
14 JUL 2002 1250 GMT DEPTH 54

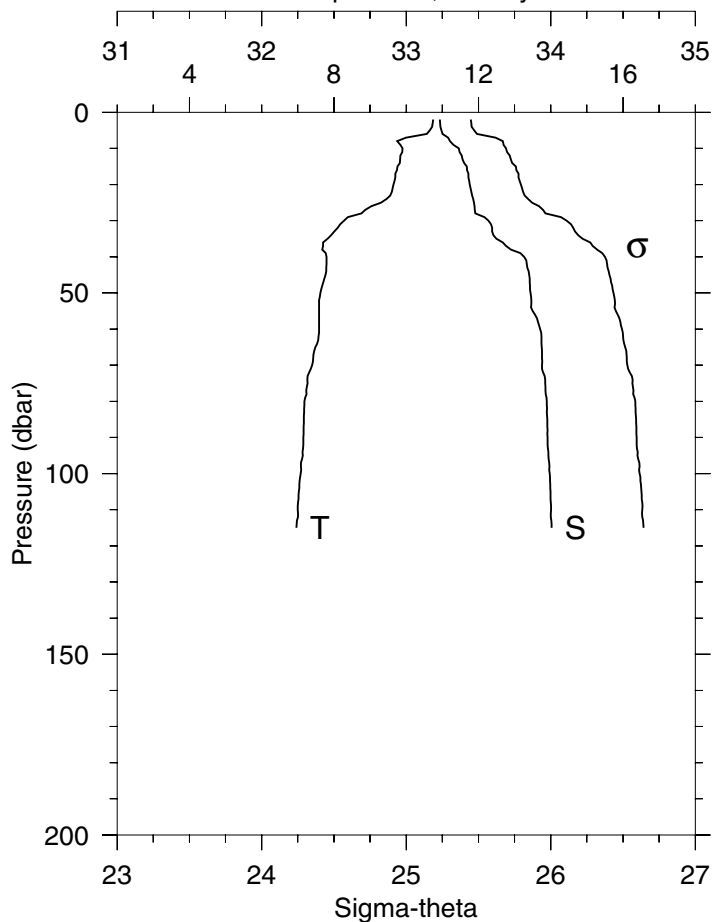


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.71	33.843	8.71	26.258	0.035	2.62	79.9
10	8.09	33.834	8.09	26.346	0.173	1.20	83.2
20	7.70	33.872	7.70	26.433	0.335	1.48	86.7
30	7.60	33.880	7.59	26.453	0.493	1.37	86.9
40	7.61	33.917	7.61	26.481	0.649	0.90	85.9
50	7.49	33.938	7.48	26.516	0.802	1.17	82.3

W0207A

Station 41 HH-2
Temperature, Salinity

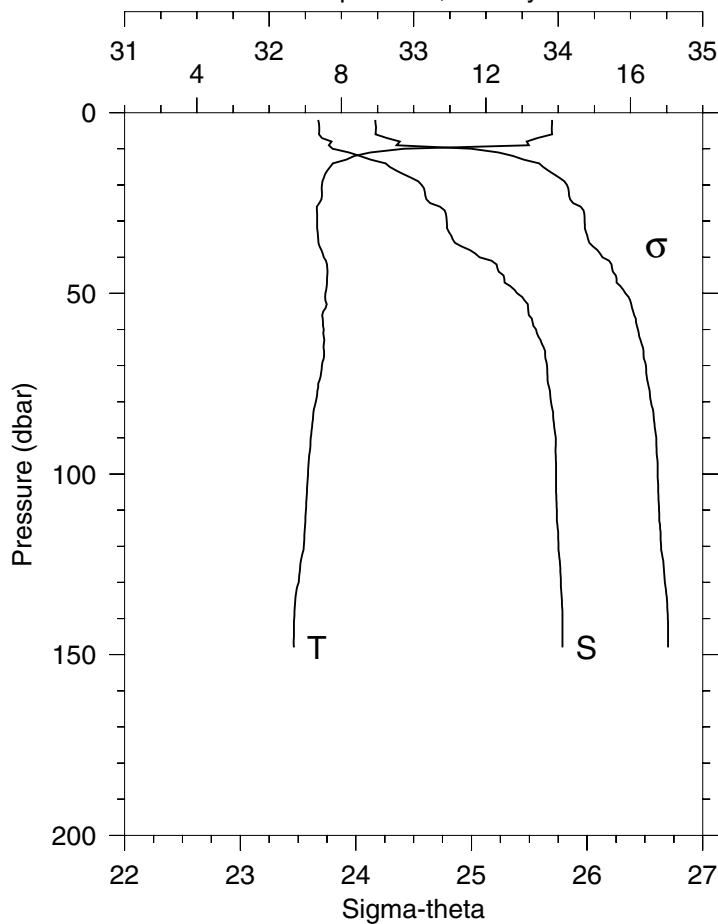
STA: 41 HH-2 LAT: 44 0.1 N LONG: 124 24.0 W
14 JUL 2002 1404 GMT DEPTH 120



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.74	33.233	10.74	25.446	0.050	5.00	47.1
10	9.90	33.363	9.90	25.691	0.245	5.00	70.6
20	9.65	33.440	9.65	25.793	0.469	5.00	65.1
30	8.28	33.569	8.28	26.109	0.678	4.01	78.9
40	7.80	33.816	7.79	26.375	0.856	0.44	89.2
50	7.62	33.860	7.62	26.434	1.018	0.44	89.2
60	7.58	33.927	7.58	26.493	1.175	0.40	89.2
70	7.40	33.940	7.39	26.530	1.327	0.40	89.2
80	7.18	33.972	7.18	26.585	1.475	0.41	88.3
90	7.16	33.979	7.15	26.594	1.620	0.41	87.9
100	7.08	33.992	7.07	26.615	1.764	0.41	86.4
110	7.00	34.002	6.99	26.634	1.906	0.43	81.6
115	6.96	34.005	6.95	26.642	1.976	0.44	79.5

Station 42 HH-3
Temperature, Salinity

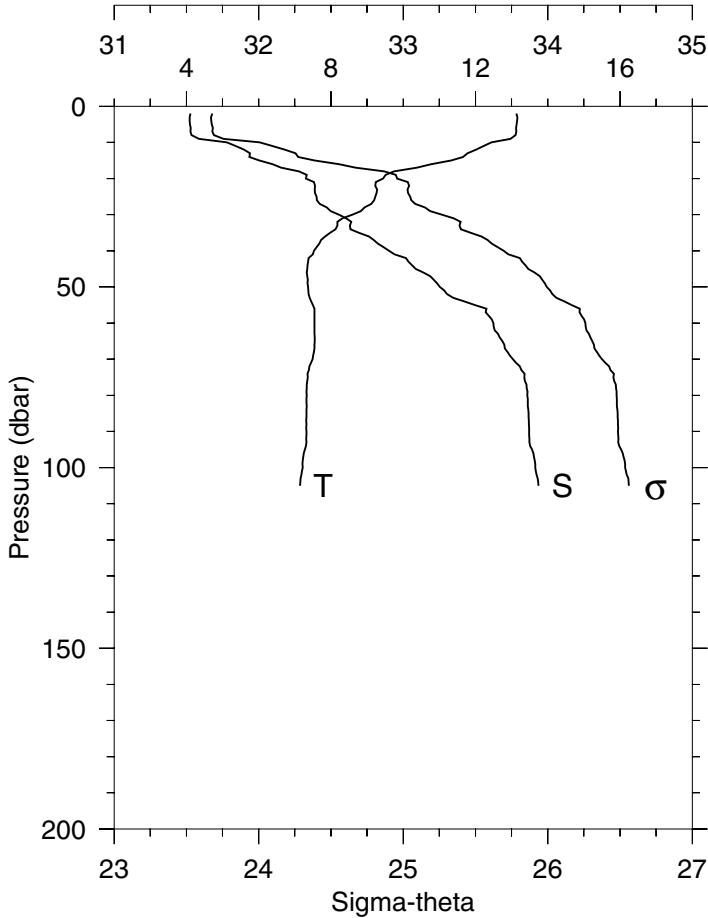
STA: 42 HH-3 LAT: 44 0.1 N LONG: 124 36.0 W
14 JUL 2002 1527 GMT DEPTH 153



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.83	32.339	13.83	24.167	0.075	3.40	66.9
10	9.73	32.439	9.73	24.998	0.365	4.09	66.6
20	7.46	33.056	7.46	25.825	0.607	0.56	88.7
30	7.32	33.228	7.32	25.979	0.816	0.44	89.5
40	7.51	33.456	7.51	26.133	1.014	0.41	89.6
50	7.55	33.716	7.55	26.332	1.191	0.41	89.5
60	7.51	33.847	7.50	26.440	1.354	0.40	89.4
70	7.46	33.923	7.45	26.508	1.510	0.39	89.4
80	7.29	33.950	7.29	26.552	1.661	0.41	88.8
90	7.15	33.983	7.14	26.598	1.807	0.40	88.4
100	7.08	33.985	7.07	26.611	1.951	0.40	87.8
110	7.02	33.990	7.01	26.622	2.094	0.41	87.2
120	6.96	34.002	6.95	26.639	2.235	0.41	86.8
130	6.82	34.018	6.80	26.672	2.374	0.40	86.3
140	6.69	34.029	6.68	26.697	2.511	0.42	81.7
148	6.68	34.029	6.67	26.699	2.619	0.42	79.6

W0207A

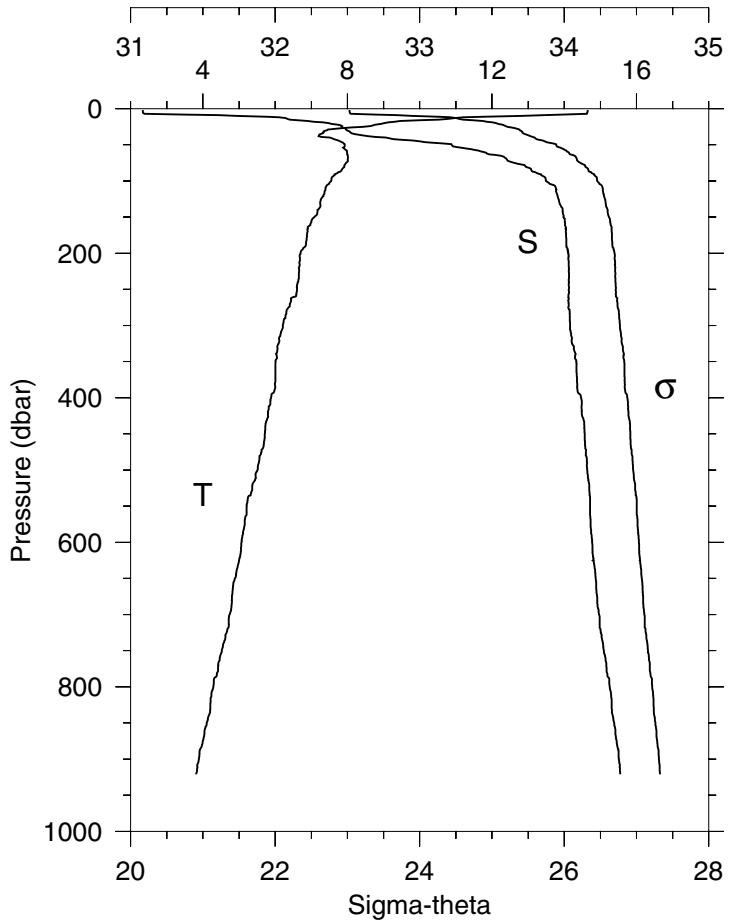
Station 43 HH-4
Temperature, Salinity



STA: 43 HH-4 LAT: 44 0.1 N LONG: 124 48.0 W
14 JUL 2002 1650 GMT DEPTH 110

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.13	31.527	13.13	23.680	0.084	5.00	60.4
10	12.44	31.778	12.44	24.006	0.419	5.00	61.9
20	9.44	32.327	9.44	24.958	0.764	1.69	82.8
30	8.60	32.553	8.60	25.265	1.052	1.29	85.5
40	7.53	32.903	7.53	25.696	1.301	0.62	88.8
50	7.37	33.253	7.36	25.993	1.514	0.62	89.6
60	7.54	33.624	7.53	26.261	1.700	0.40	89.6
70	7.49	33.758	7.48	26.374	1.872	0.40	89.3
80	7.33	33.859	7.32	26.476	2.030	0.41	89.0
90	7.32	33.871	7.31	26.486	2.186	0.42	88.9
100	7.22	33.913	7.21	26.535	2.339	0.44	88.3
105	7.14	33.935	7.13	26.562	2.413	0.46	87.8

Station 44 HH-5
Temperature, Salinity

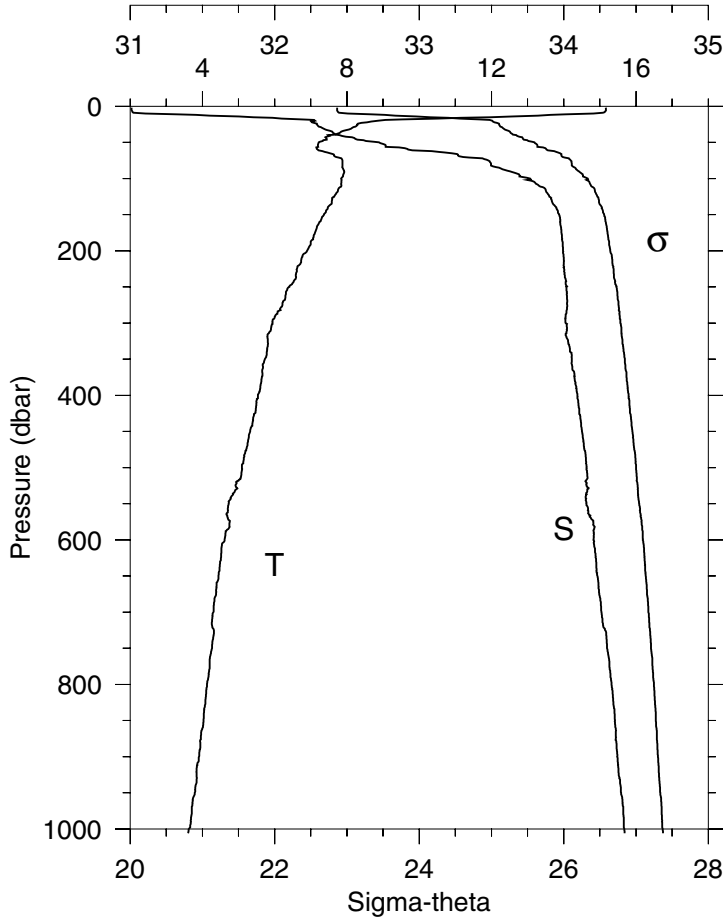


STA: 44 HH-5 LAT: 44 0.1 N LONG: 125 0.1 W
14 JUL 2002 1813 GMT DEPTH 927

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	14.65	31.084	14.65	23.030	0.097	0.88	80.9
10	12.79	31.738	12.79	23.908	0.469	1.90	78.1
20	9.02	32.370	9.02	25.058	0.799	1.71	83.4
30	7.43	32.496	7.43	25.389	1.071	0.62	89.4
40	7.51	32.765	7.51	25.589	1.322	0.49	89.9
50	7.92	33.222	7.92	25.890	1.548	0.40	90.2
60	7.99	33.440	7.99	26.051	1.752	0.39	90.3
70	8.01	33.603	8.00	26.176	1.941	0.38	90.2
80	7.91	33.732	7.91	26.292	2.120	0.38	90.3
90	7.68	33.822	7.67	26.397	2.289	0.38	89.9
100	7.55	33.874	7.54	26.457	2.448	0.38	89.9
110	7.39	33.942	7.38	26.532	2.602	0.38	89.9
120	7.34	33.954	7.32	26.550	2.753	0.38	89.8
130	7.25	33.966	7.23	26.572	2.901	0.38	89.3
140	7.17	33.989	7.16	26.600	3.048	0.38	89.6
150	7.08	33.995	7.07	26.618	3.192	0.38	89.3
175	6.88	34.013	6.86	26.660	3.544	0.39	87.0
200	6.70	34.030	6.68	26.698	3.892	0.39	85.9
225	6.66	34.032	6.64	26.705	4.232	0.39	85.8
250	6.61	34.032	6.58	26.713	4.572	0.39	87.0
275	6.37	34.027	6.34	26.740	4.909	0.38	90.2
300	6.22	34.041	6.19	26.771	5.238	0.38	90.4
350	6.01	34.084	5.98	26.831	5.879	0.38	89.1
400	5.89	34.117	5.85	26.874	6.505	0.38	89.4
450	5.71	34.142	5.68	26.915	7.107	0.38	89.5
500	5.51	34.159	5.47	26.954	7.693	0.38	89.4
600	5.07	34.193	5.02	27.033	8.808	0.38	89.8
800	4.29	34.315	4.23	27.218	10.839	0.38	89.8
921	3.82	34.387	3.76	27.324	11.894	0.38	89.4

W0207A

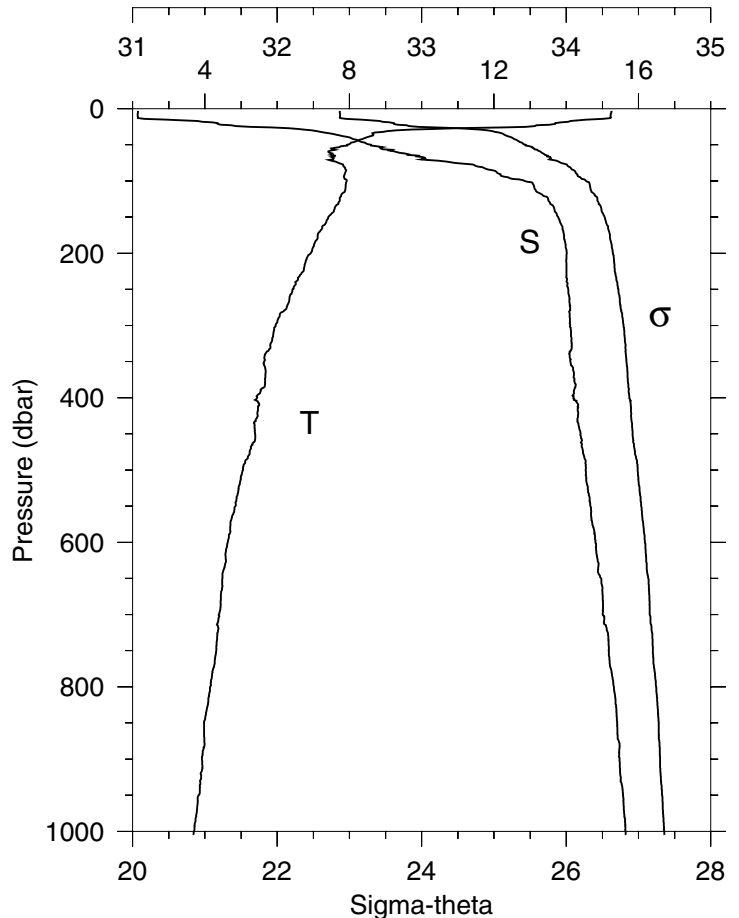
Station 45 HH-7
Temperature, Salinity



STA: 45 HH-7 LAT: 44 0.1 N LONG: 125 12.1 W
14 JUL 2002 2011 GMT DEPTH 1699

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	15.16	31.009	15.16	22.864	0.100	0.80	81.0
10	14.82	31.106	14.81	23.012	0.498	1.14	81.2
20	8.86	32.278	8.85	25.010	0.874	1.13	86.3
30	8.14	32.328	8.14	25.156	1.161	0.85	88.3
40	7.49	32.448	7.48	25.343	1.433	0.66	89.5
50	7.22	32.721	7.21	25.595	1.686	0.46	89.9
60	7.19	32.923	7.18	25.759	1.918	0.40	89.9
70	7.70	33.302	7.69	25.986	2.127	0.37	90.0
80	7.88	33.496	7.87	26.112	2.320	0.36	90.2
90	7.92	33.629	7.91	26.210	2.506	0.36	90.3
100	7.84	33.767	7.83	26.331	2.683	0.37	90.3
110	7.84	33.828	7.83	26.378	2.851	0.37	90.2
120	7.71	33.886	7.70	26.443	3.013	0.38	90.4
130	7.59	33.917	7.57	26.486	3.170	0.37	90.3
140	7.47	33.949	7.45	26.528	3.325	0.37	90.3
150	7.36	33.967	7.35	26.557	3.476	0.38	90.4
175	7.11	33.984	7.10	26.605	3.843	0.38	90.3
200	6.90	33.994	6.88	26.643	4.201	0.37	90.5
225	6.61	34.003	6.59	26.689	4.550	0.38	90.5
250	6.41	34.016	6.38	26.726	4.891	0.37	90.3
275	6.21	34.024	6.19	26.758	5.223	0.38	90.3
300	5.94	34.013	5.91	26.784	5.549	0.37	90.6
350	5.72	34.056	5.70	26.845	6.183	0.37	90.6
400	5.54	34.095	5.51	26.899	6.793	0.37	90.6
450	5.32	34.126	5.28	26.950	7.380	0.37	90.6
500	5.10	34.158	5.06	27.001	7.943	0.38	90.7
600	4.61	34.205	4.56	27.094	9.008	0.37	90.7
800	4.13	34.331	4.07	27.247	10.917	0.37	90.5
1000	3.62	34.419	3.55	27.369	12.597	0.37	90.1
1006	3.60	34.421	3.53	27.373	12.644	0.38	90.0

Station 46 HH-9
Temperature, Salinity

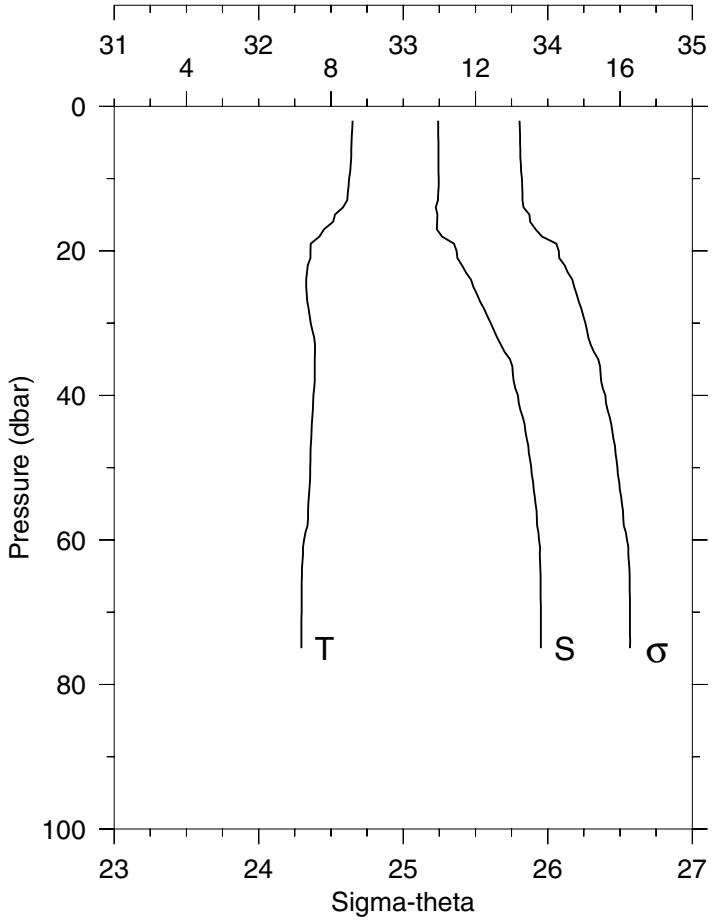


STA: 46 HH-9 LAT: 44 0.1 N LONG: 125 24.0 W
14 JUL 2002 2202 GMT DEPTH 3020

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	15.25	31.037	15.25	22.867	0.150	0.70	83.4
10	15.23	31.035	15.22	22.870	0.498	0.75	83.4
20	13.69	31.589	13.69	23.615	0.968	3.13	73.0
30	9.30	32.240	9.29	24.912	1.347	1.82	82.4
40	8.46	32.503	8.46	25.246	1.632	1.05	86.0
50	7.94	32.650	7.94	25.438	1.895	0.81	87.7
60	7.42	32.822	7.41	25.648	2.138	0.44	90.0
70	7.55	32.996	7.54	25.767	2.365	0.41	90.0
80	7.84	33.390	7.83	26.034	2.572	0.37	90.2
90	7.88	33.534	7.87	26.142	2.764	0.37	90.2
100	7.93	33.712	7.92	26.275	2.947	0.37	90.3
110	7.89	33.781	7.88	26.334	3.118	0.37	90.4
120	7.77	33.837	7.76	26.396	3.285	0.37	90.2
130	7.70	33.888	7.69	26.447	3.447	0.37	90.3
140	7.58	33.918	7.57	26.487	3.604	0.37	90.3
150	7.42	33.945	7.40	26.531	3.758	0.38	90.1
175	7.12	33.985	7.11	26.604	4.128	0.38	90.1
200	6.93	34.003	6.91	26.645	4.487	0.38	90.3
225	6.72	34.001	6.70	26.672	4.837	0.38	90.5
250	6.43	34.014	6.41	26.722	5.180	0.38	90.4
275	6.26	34.028	6.24	26.754	5.513	0.38	90.4
300	5.96	34.027	5.93	26.792	5.839	0.37	90.4
350	5.64	34.029	5.61	26.833	6.472	0.37	90.6
400	5.45	34.052	5.41	26.876	7.089	0.38	90.5
450	5.39	34.099	5.35	26.920	7.686	0.37	90.5
500	5.05	34.135	5.01	26.988	8.261	0.38	90.6
600	4.64	34.202	4.59	27.088	9.333	0.37	90.6
800	4.14	34.330	4.08	27.245	11.260	0.37	90.5
1000	3.69	34.411	3.62	27.356	12.953	0.37	90.2
1005	3.68	34.414	3.60	27.360	12.992	0.37	90.1

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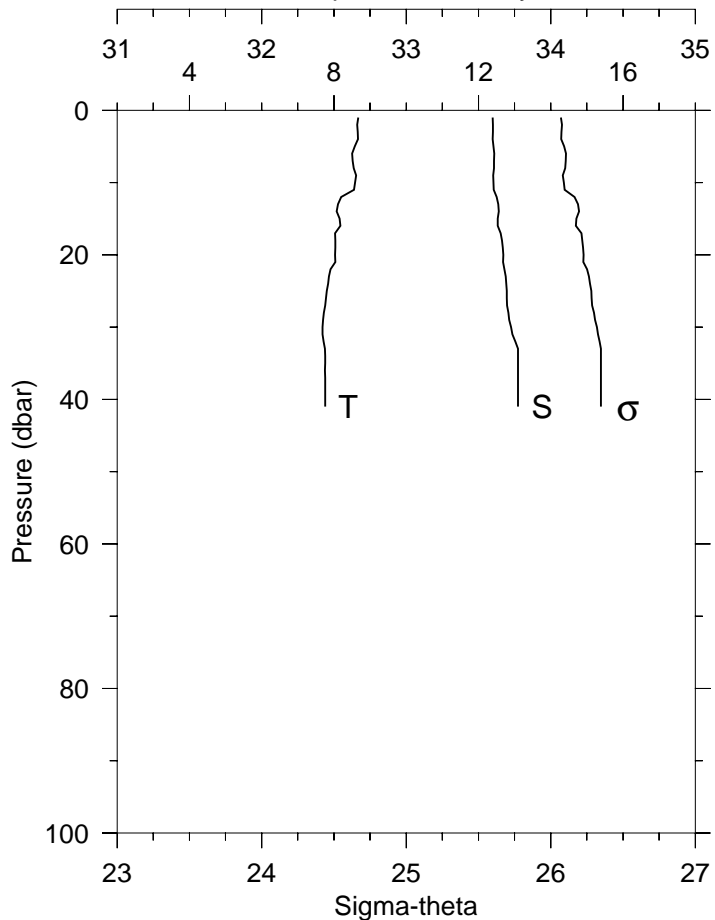
Station 47 NH-10
Temperature, Salinity



STA: 47 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W
15 JUL 2002 1649 GMT DEPTH 80

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.60	33.242	8.60	25.804	0.044	2.16	75.80
10	8.51	33.246	8.51	25.822	0.218	3.99	76.30
20	7.43	33.369	7.43	26.075	0.428	0.61	88.00
30	7.44	33.605	7.43	26.260	0.611	0.39	89.10
40	7.51	33.794	7.51	26.398	0.780	0.40	89.20
50	7.43	33.885	7.42	26.482	0.938	0.40	89.20
60	7.26	33.939	7.25	26.549	1.090	0.41	87.80
70	7.19	33.952	7.18	26.568	1.238	0.42	87.00
75	7.18	33.952	7.18	26.569	1.311	0.42	86.90

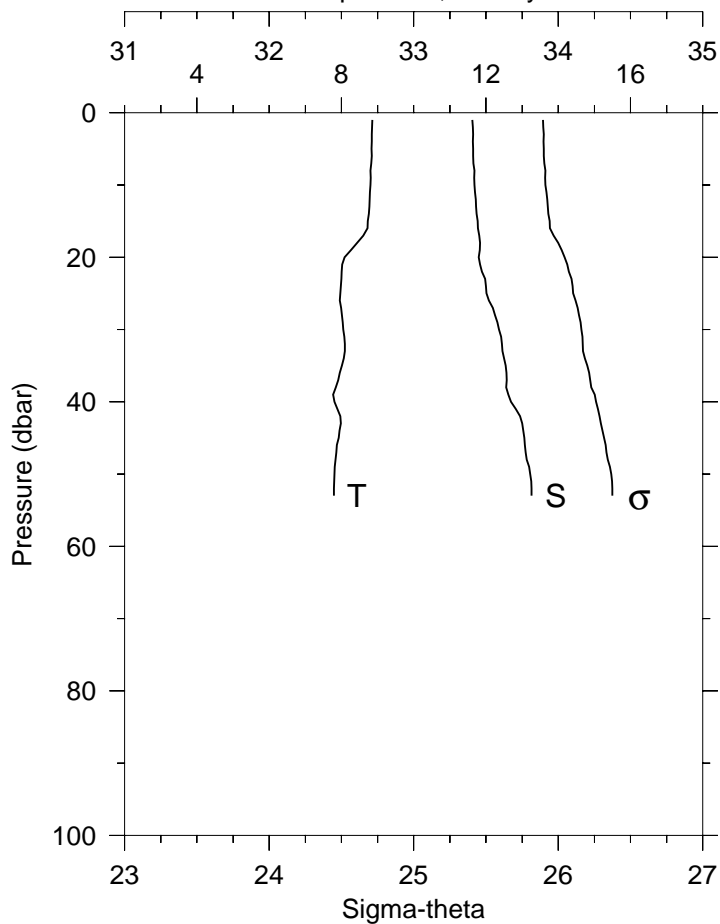
Station 1 NH-3
Temperature, Salinity



STA: 1 NH-3 LAT: 44 39.1 N LONG: 124 7.9 W
28 SEP 2002 0021 GMT DEPTH 47

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	8.67	33.598	8.67	26.071	0.019	0.19	81.0
10	8.59	33.604	8.58	26.090	0.192	0.19	81.4
20	8.03	33.672	8.03	26.227	0.374	0.16	82.7
30	7.69	33.725	7.68	26.319	0.548	0.15	86.8
40	7.76	33.774	7.75	26.348	0.716	0.17	78.2
41	7.76	33.774	7.75	26.348	0.733	0.17	78.0

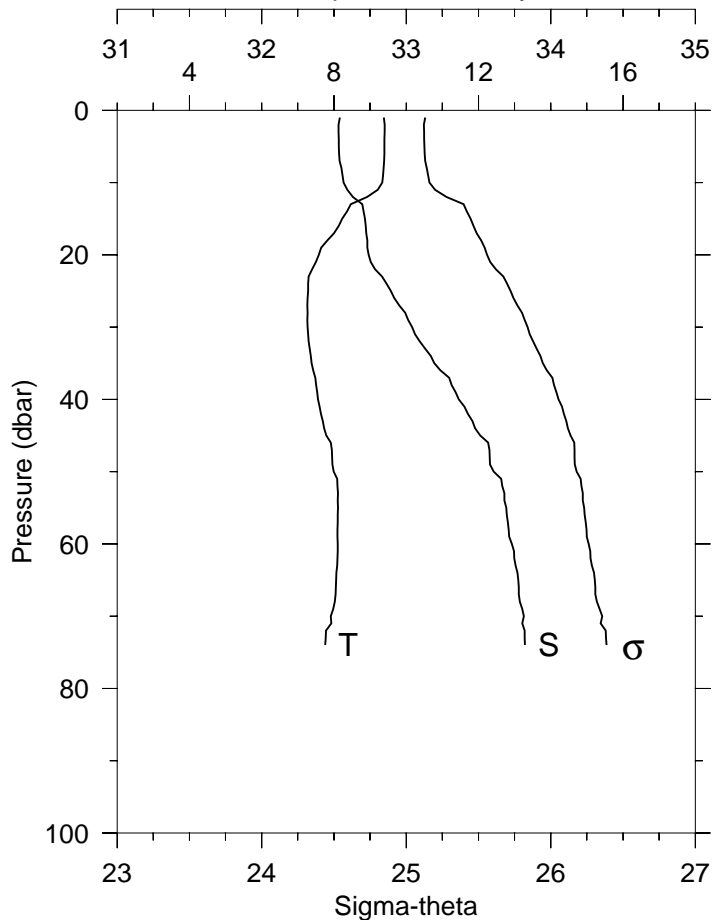
Station 2 NH-5
Temperature, Salinity



STA: 2 NH-5 LAT: 44 39.1 N LONG: 124 10.7 W
28 SEP 2002 0316 GMT DEPTH 58

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	8.85	33.406	8.85	25.894	0.021	0.54	82.0
10	8.81	33.420	8.80	25.912	0.209	0.36	83.3
20	8.09	33.450	8.09	26.044	0.413	0.19	88.0
30	8.05	33.590	8.05	26.160	0.603	0.16	87.4
40	7.81	33.674	7.81	26.261	0.784	0.16	88.9
50	7.80	33.807	7.80	26.367	0.955	0.14	88.1
53	7.79	33.816	7.79	26.375	1.004	0.15	86.0

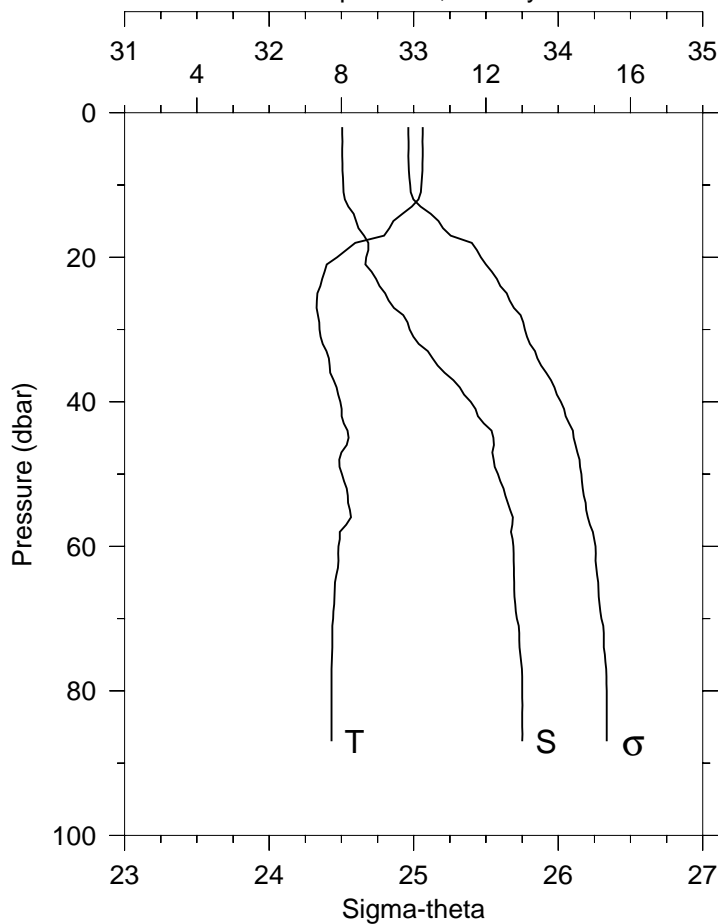
Station 3 NH-10
Temperature, Salinity



STA: 3 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W
28 SEP 2002 0733 GMT DEPTH 80

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	9.38	32.540	9.38	25.132	0.028	0.28	83.0
10	9.34	32.567	9.34	25.161	0.282	0.36	81.6
20	7.58	32.740	7.57	25.560	0.538	0.54	82.9
30	7.27	33.041	7.27	25.839	0.766	0.12	89.6
40	7.55	33.363	7.55	26.053	0.971	0.11	89.8
50	7.99	33.605	7.99	26.180	1.159	0.11	89.9
60	8.10	33.731	8.10	26.263	1.338	0.12	89.6
70	7.91	33.813	7.90	26.356	1.510	0.12	88.8
74	7.76	33.821	7.75	26.385	1.576	0.13	86.8

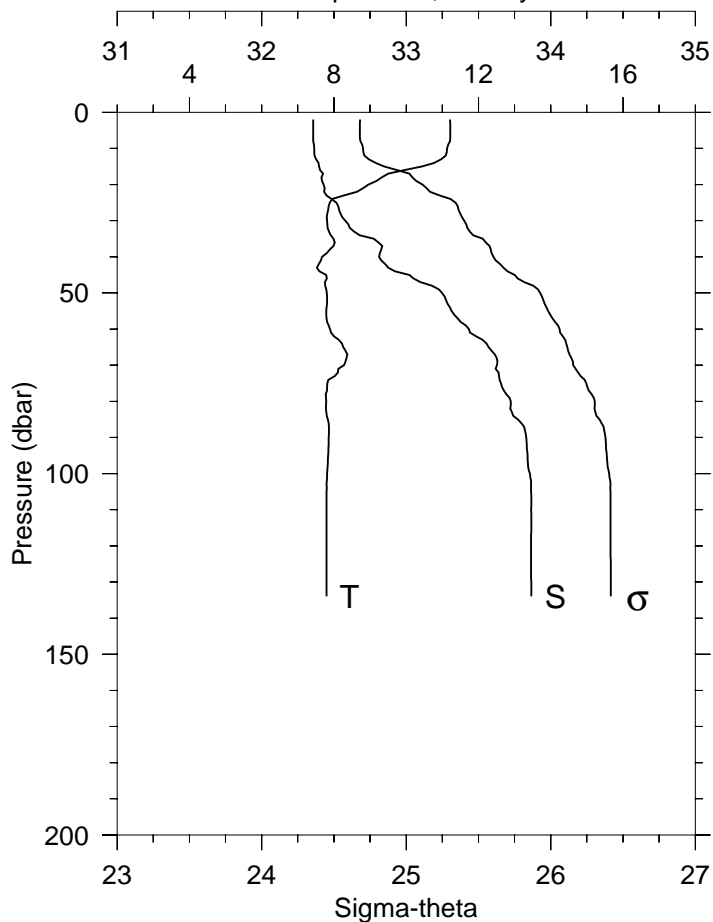
Station 4 NH-15
Temperature, Salinity



STA: 4 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W
28 SEP 2002 0933 GMT DEPTH 91

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.25	32.505	10.25	24.962	0.060	0.41	80.8
10	10.22	32.512	10.21	24.975	0.298	0.40	80.4
20	7.88	32.672	7.88	25.464	0.576	1.22	72.9
30	7.39	32.973	7.39	25.770	0.811	0.34	87.1
40	7.97	33.395	7.97	26.018	1.022	0.14	88.5
50	8.01	33.583	8.01	26.161	1.212	0.11	89.2
60	7.92	33.690	7.91	26.258	1.394	0.12	88.4
70	7.77	33.714	7.76	26.299	1.569	0.12	87.9
80	7.72	33.751	7.72	26.335	1.739	0.13	86.9
87	7.72	33.751	7.72	26.335	1.858	0.13	86.7

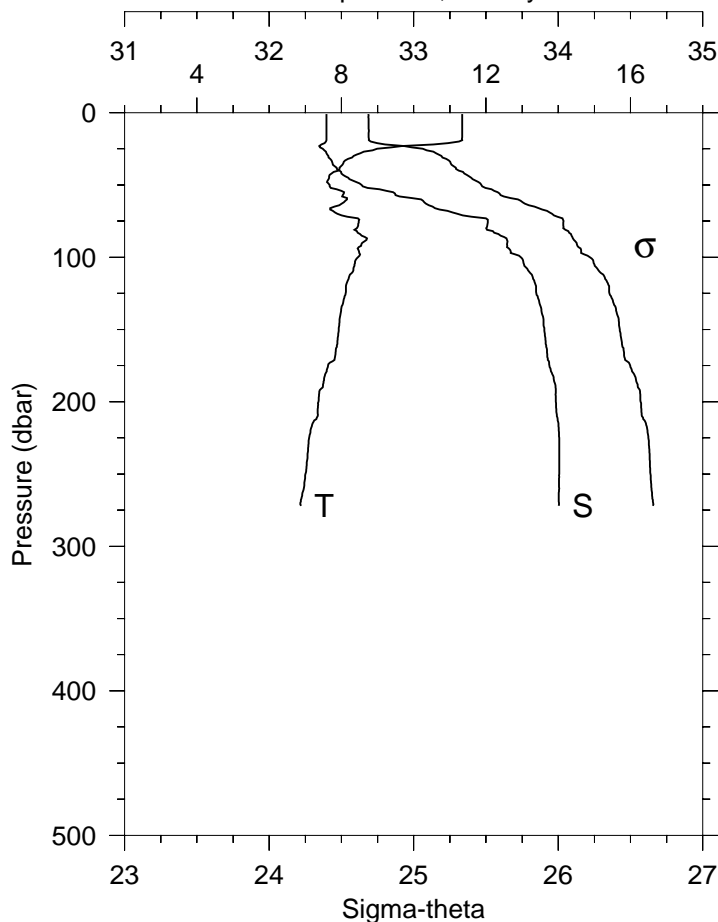
Station 5 NH-20
Temperature, Salinity



STA: 5 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W
28 SEP 2002 1328 GMT DEPTH 143

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.21	32.357	11.21	24.681	0.065	0.29	83.9
10	11.13	32.364	11.13	24.701	0.325	0.31	83.8
20	8.95	32.428	8.95	25.113	0.632	0.27	86.9
30	7.81	32.578	7.80	25.400	0.899	0.19	89.0
40	7.67	32.812	7.67	25.603	1.146	0.15	89.3
50	7.80	33.247	7.80	25.927	1.370	0.12	90.1
60	7.89	33.434	7.88	26.061	1.572	0.12	90.1
70	8.28	33.628	8.27	26.156	1.762	0.12	90.1
80	7.78	33.724	7.78	26.305	1.941	0.13	89.1
90	7.85	33.830	7.84	26.378	2.110	0.14	88.2
100	7.81	33.857	7.80	26.405	2.274	0.14	87.1
110	7.80	33.864	7.78	26.414	2.437	0.15	85.9
120	7.79	33.864	7.78	26.414	2.599	0.16	85.6
130	7.79	33.865	7.78	26.415	2.761	0.16	85.3
134	7.79	33.866	7.78	26.416	2.826	0.16	85.2

Station 6 NH-25
Temperature, Salinity

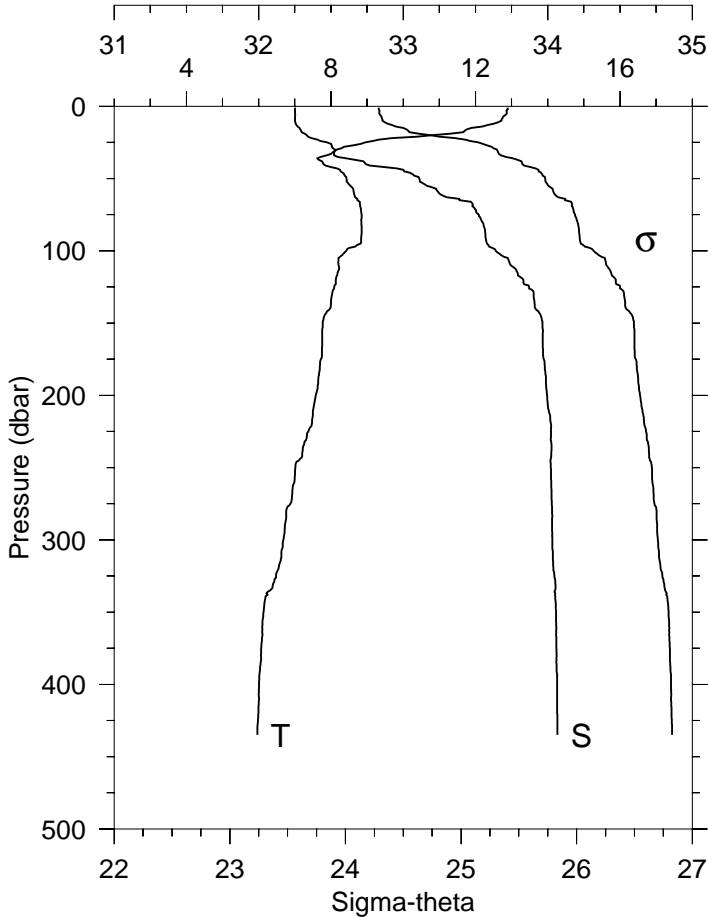


STA: 6 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W
28 SEP 2002 1519 GMT DEPTH 294

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	11.35	32.396	11.34	24.687	0.032	0.31	82.2
10	11.35	32.396	11.34	24.688	0.325	0.31	82.2
20	11.25	32.393	11.25	24.702	0.649	0.29	82.3
30	8.34	32.409	8.33	25.191	0.944	0.22	88.0
40	7.92	32.486	7.91	25.312	1.215	0.20	88.6
50	7.67	32.640	7.67	25.469	1.473	0.15	89.6
60	8.15	33.052	8.15	25.722	1.714	0.12	90.3
70	7.89	33.302	7.89	25.957	1.930	0.11	90.5
80	8.42	33.501	8.42	26.035	2.130	0.12	90.4
90	8.57	33.647	8.56	26.127	2.323	0.12	90.4
100	8.45	33.742	8.44	26.220	2.509	0.11	90.3
110	8.31	33.798	8.30	26.285	2.686	0.12	90.3
120	8.12	33.847	8.11	26.352	2.857	0.11	90.3
130	8.06	33.867	8.05	26.378	3.025	0.12	90.3
140	7.97	33.891	7.96	26.410	3.190	0.12	90.3
150	7.92	33.904	7.91	26.427	3.352	0.12	90.4
175	7.63	33.939	7.61	26.498	3.752	0.12	90.2
200	7.37	33.983	7.35	26.570	4.130	0.12	90.2
225	7.11	34.007	7.09	26.624	4.497	0.12	90.0
250	7.01	34.007	6.98	26.639	4.855	0.12	90.1
272	6.88	34.004	6.86	26.654	5.169	0.12	90.0

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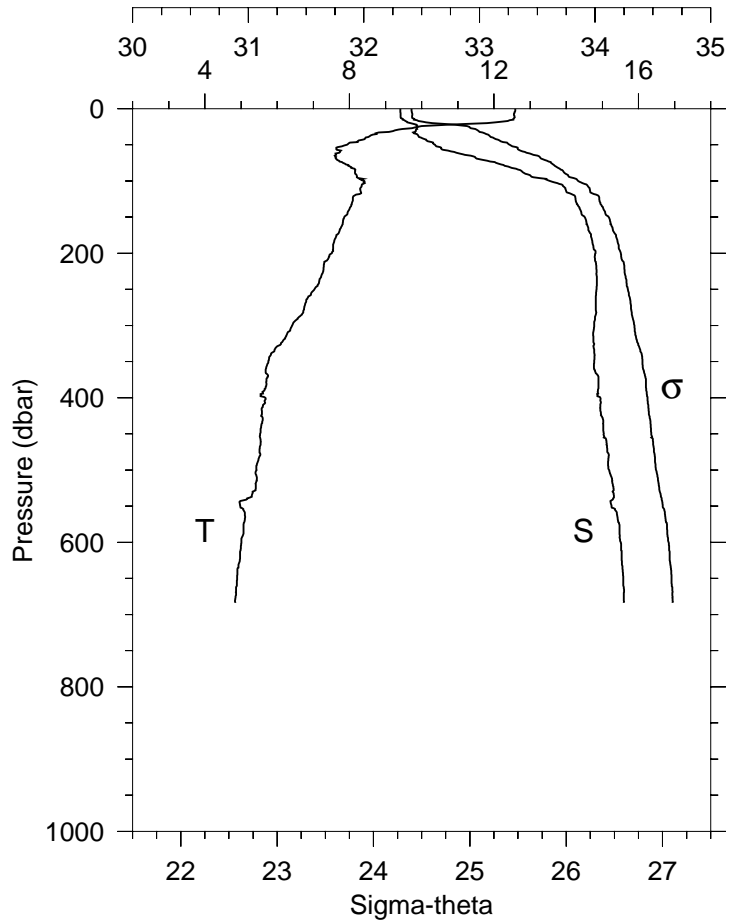
Station 7 NH-35
Temperature, Salinity



STA: 7 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W
28 SEP 2002 1928 GMT DEPTH 435

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	12.89	32.252	12.89	24.288	0.036	0.24	84.6
10	12.71	32.251	12.71	24.321	0.362	0.30	84.4
20	10.81	32.332	10.81	24.732	0.706	0.28	86.6
30	8.16	32.527	8.16	25.309	0.992	0.19	89.5
40	7.79	32.742	7.79	25.532	1.248	0.14	90.1
50	8.43	33.110	8.42	25.727	1.481	0.13	90.3
60	8.63	33.247	8.63	25.804	1.704	0.12	90.3
70	8.82	33.490	8.81	25.966	1.914	0.12	90.3
80	8.84	33.547	8.83	26.007	2.117	0.12	90.3
90	8.84	33.569	8.83	26.024	2.317	0.12	90.3
100	8.42	33.641	8.41	26.146	2.512	0.12	90.4
110	8.21	33.743	8.20	26.257	2.693	0.12	90.4
120	8.13	33.831	8.12	26.338	2.867	0.12	90.3
130	8.03	33.902	8.02	26.409	3.033	0.12	90.3
140	7.97	33.915	7.96	26.428	3.196	0.12	90.3
150	7.77	33.963	7.76	26.495	3.353	0.12	89.7
175	7.72	33.973	7.70	26.511	3.740	0.12	89.2
200	7.58	33.995	7.56	26.549	4.122	0.12	90.1
225	7.37	34.022	7.35	26.600	4.494	0.12	90.3
250	7.01	34.021	6.99	26.649	4.855	0.12	90.5
275	6.88	34.028	6.85	26.673	5.208	0.12	90.6
300	6.68	34.031	6.66	26.702	5.554	0.12	90.7
350	6.13	34.057	6.10	26.795	6.223	0.12	90.6
400	6.01	34.065	5.97	26.817	6.865	0.12	90.3
435	5.97	34.067	5.93	26.825	7.311	0.12	90.1

Station 8 NH-45
Temperature, Salinity

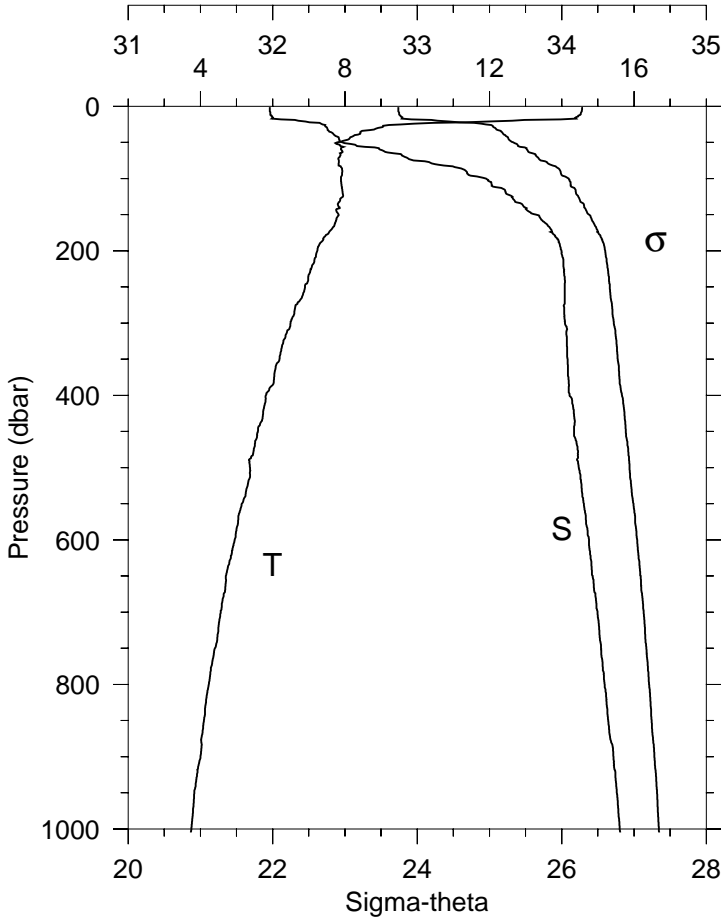


STA: 8 NH-45 LAT: 44 39.1 N LONG: 125 7.1 W
29 SEP 2002 0006 GMT DEPTH 698

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
0	12.59	32.316	12.59	24.395	0.000	0.35	83.5
10	12.57	32.317	12.57	24.400	0.352	0.33	83.8
20	11.81	32.404	11.81	24.610	0.699	0.31	86.0
30	9.26	32.449	9.26	25.081	1.000	0.25	87.8
40	8.45	32.493	8.44	25.240	1.280	0.21	89.0
50	7.93	32.615	7.93	25.412	1.544	0.15	89.9
60	7.74	32.782	7.74	25.570	1.793	0.13	90.0
70	7.65	33.007	7.64	25.761	2.025	0.12	90.3
80	8.02	33.249	8.02	25.896	2.241	0.12	90.3
90	8.16	33.398	8.16	25.993	2.447	0.12	90.3
100	8.41	33.610	8.40	26.123	2.643	0.12	90.4
110	8.30	33.742	8.29	26.243	2.826	0.12	90.4
120	8.15	33.821	8.14	26.328	3.003	0.12	90.4
130	8.07	33.838	8.06	26.353	3.172	0.12	90.4
140	7.99	33.871	7.98	26.391	3.339	0.12	90.4
150	7.86	33.910	7.84	26.441	3.502	0.12	90.4
175	7.64	33.964	7.62	26.516	3.896	0.12	90.4
200	7.51	34.004	7.49	26.566	4.275	0.12	90.4
225	7.28	34.012	7.25	26.606	4.643	0.12	90.5
250	7.03	34.012	7.01	26.640	5.004	0.12	90.6
275	6.75	34.006	6.73	26.673	5.358	0.12	90.6
300	6.41	33.992	6.38	26.707	5.704	0.12	90.7
350	5.76	33.992	5.73	26.790	6.370	0.12	90.7
400	5.68	34.045	5.64	26.843	7.005	0.12	90.3
450	5.53	34.075	5.49	26.884	7.621	0.12	90.7
500	5.43	34.121	5.39	26.933	8.216	0.12	90.8
600	5.01	34.222	4.97	27.062	9.327	0.12	90.7
684	4.84	34.247	4.78	27.103	10.200	0.12	90.7

AT7-21

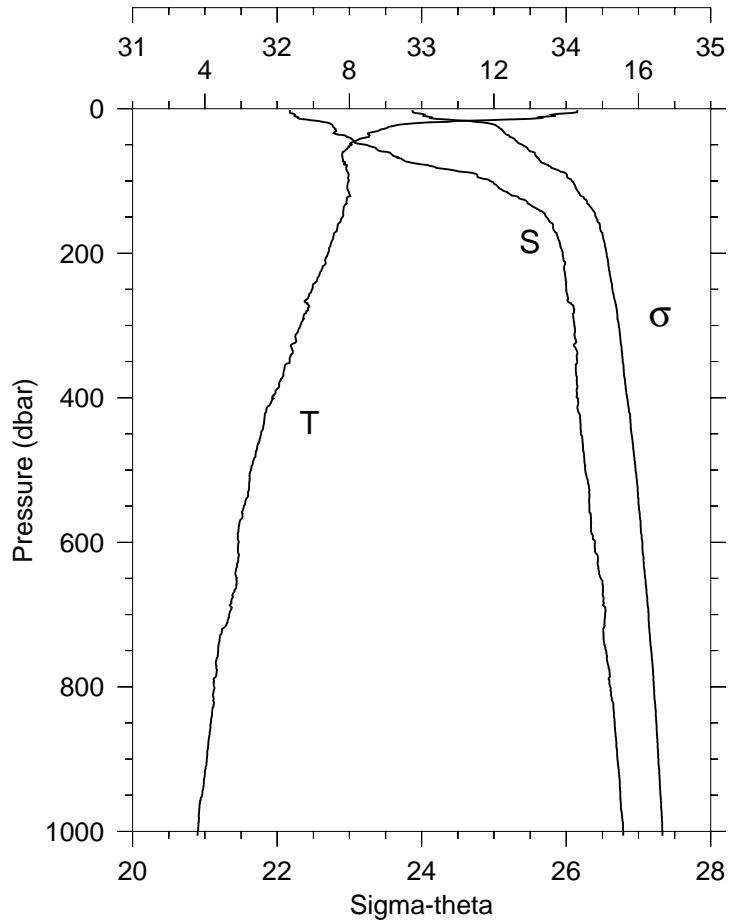
Station 9 NH-55
Temperature, Salinity



STA: 9 NH-55 LAT: 44 39.1 N LONG: 125 21.0 W
29 SEP 2002 0525 GMT DEPTH 2845

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	14.56	31.980	14.56	23.740	0.041	0.32	85.9
10	14.52	31.983	14.52	23.749	0.415	0.34	86.0
20	12.63	32.178	12.62	24.281	0.819	0.29	86.8
30	8.91	32.376	8.91	25.079	1.129	0.19	88.9
40	8.27	32.428	8.26	25.217	1.410	0.16	89.4
50	7.79	32.482	7.78	25.328	1.680	0.14	89.8
60	7.89	32.742	7.88	25.518	1.935	0.13	90.3
70	7.85	32.916	7.84	25.660	2.175	0.12	90.3
80	7.82	33.123	7.81	25.828	2.401	0.12	90.4
90	7.93	33.340	7.92	25.982	2.609	0.12	90.4
100	7.89	33.477	7.88	26.095	2.808	0.12	90.4
110	7.90	33.515	7.89	26.124	2.999	0.12	90.3
120	7.93	33.613	7.92	26.196	3.184	0.12	90.4
130	7.86	33.672	7.85	26.253	3.364	0.12	90.5
140	7.85	33.745	7.84	26.312	3.539	0.12	90.5
150	7.82	33.821	7.81	26.376	3.708	0.12	90.5
175	7.55	33.935	7.53	26.506	4.109	0.12	90.5
200	7.23	33.999	7.21	26.601	4.482	0.12	90.5
225	7.05	34.015	7.03	26.639	4.843	0.12	90.5
250	6.90	34.021	6.87	26.665	5.197	0.12	90.6
275	6.64	34.015	6.61	26.696	5.546	0.12	90.6
300	6.49	34.023	6.47	26.721	5.888	0.12	90.7
350	6.19	34.040	6.16	26.775	6.553	0.12	90.7
400	5.81	34.053	5.77	26.833	7.197	0.12	90.7
450	5.59	34.085	5.55	26.885	7.813	0.12	90.8
500	5.37	34.118	5.33	26.938	8.407	0.12	90.8
600	4.95	34.188	4.90	27.043	9.530	0.12	90.6
800	4.23	34.297	4.17	27.209	11.529	0.12	90.8
1000	3.75	34.401	3.68	27.342	13.261	0.12	90.7
1005	3.73	34.404	3.66	27.346	13.302	0.12	90.7

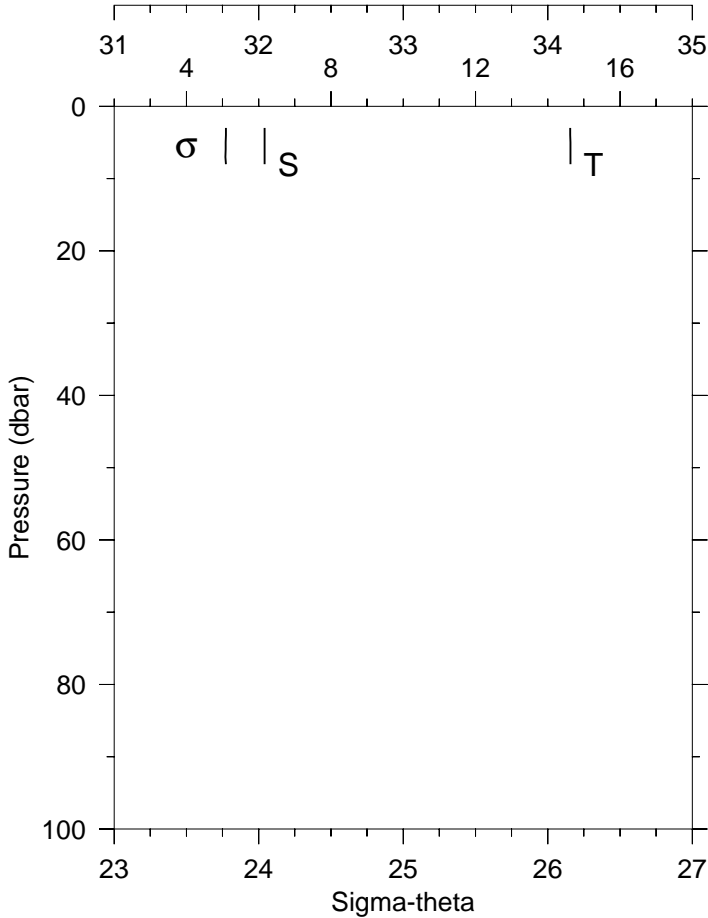
Station 10 NH-65
Temperature, Salinity



STA: 10 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W
29 SEP 2002 0817 GMT DEPTH 2834

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	14.30	32.089	14.30	23.876	0.080	0.29	83.9
10	13.68	32.119	13.68	24.027	0.397	0.34	83.7
20	9.84	32.362	9.84	24.920	0.748	0.21	88.0
30	8.83	32.408	8.83	25.116	1.039	0.19	89.1
40	8.45	32.500	8.44	25.246	1.318	0.15	89.7
50	8.06	32.613	8.05	25.392	1.583	0.13	90.1
60	7.82	32.761	7.81	25.544	1.835	0.12	90.2
70	7.82	32.865	7.81	25.625	2.075	0.12	90.3
80	7.92	33.083	7.91	25.782	2.306	0.12	90.3
90	7.97	33.372	7.96	26.001	2.518	0.12	90.4
100	7.98	33.474	7.97	26.080	2.716	0.12	90.4
110	7.94	33.534	7.93	26.133	2.907	0.12	90.4
120	8.01	33.622	8.00	26.192	3.093	0.12	90.4
130	7.92	33.732	7.91	26.292	3.271	0.12	90.4
140	7.83	33.810	7.82	26.366	3.441	0.11	90.4
150	7.81	33.863	7.79	26.412	3.606	0.12	90.4
175	7.57	33.936	7.55	26.504	4.003	0.12	90.4
200	7.41	33.975	7.39	26.557	4.384	0.12	90.3
225	7.21	33.988	7.19	26.596	4.755	0.12	90.4
250	6.97	34.000	6.95	26.638	5.116	0.12	90.5
275	6.87	34.051	6.84	26.693	5.468	0.12	90.5
300	6.64	34.057	6.61	26.728	5.810	0.12	90.6
350	6.35	34.076	6.32	26.782	6.472	0.12	90.6
400	5.86	34.073	5.82	26.842	7.112	0.12	90.7
450	5.55	34.102	5.52	26.903	7.722	0.12	90.7
500	5.27	34.131	5.23	26.960	8.307	0.12	90.7
600	4.93	34.199	4.89	27.054	9.413	0.12	90.5
800	4.26	34.305	4.20	27.213	11.404	0.12	90.7
1000	3.81	34.394	3.73	27.331	13.149	0.11	90.7
1006	3.79	34.395	3.72	27.334	13.198	0.12	90.7

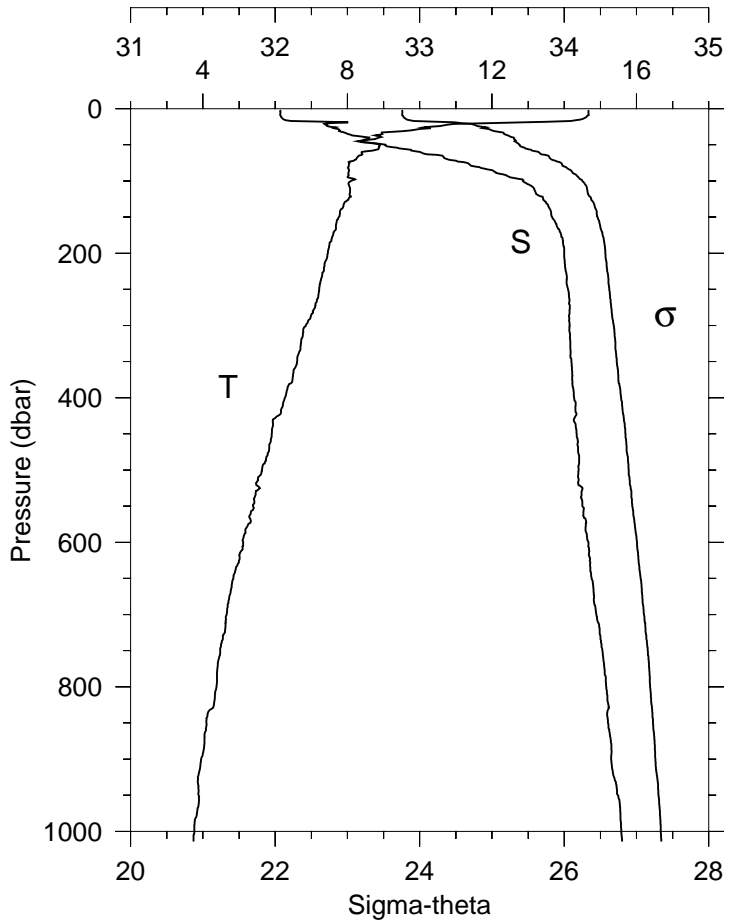
Station 11 NH-85
Temperature, Salinity



STA: 11 NH-85 LAT: 44 39.2 N LONG: 126 3.2 W
29 SEP 2002 1236 GMT DEPTH 2864

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	14.62	32.041	14.62	23.773	0.124	0.22	86.1
8	14.62	32.041	14.62	23.773	0.330	0.23	86.1

Station 12 NH-85
Temperature, Salinity



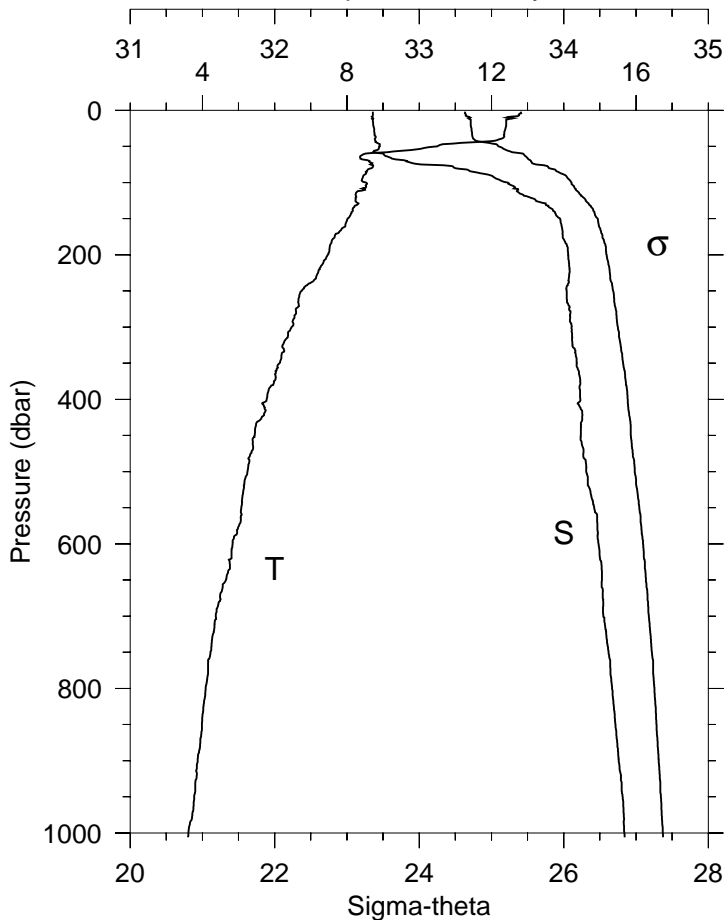
STA: 12 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W
29 SEP 2002 1315 GMT DEPTH 2863

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	14.68	32.033	14.68	23.754	0.083	0.22	86.1
10	14.64	32.039	14.63	23.769	0.413	0.22	86.1
20	11.94	32.384	11.94	24.570	0.807	0.26	87.6
30	9.77	32.446	9.77	24.996	1.117	0.24	88.3
40	8.88	32.652	8.87	25.300	1.397	0.17	89.3
50	8.90	32.763	8.90	25.383	1.661	0.15	89.7
60	8.40	33.001	8.39	25.647	1.910	0.13	90.1
70	8.24	33.196	8.23	25.823	2.135	0.12	90.2
80	8.03	33.385	8.03	26.002	2.343	0.12	90.3
90	8.02	33.555	8.01	26.138	2.537	0.11	90.3
100	8.10	33.714	8.09	26.251	2.719	0.11	90.3
110	8.07	33.790	8.06	26.315	2.893	0.12	90.3
120	8.07	33.820	8.06	26.339	3.064	0.12	90.3
130	7.92	33.875	7.91	26.404	3.231	0.12	90.3
140	7.81	33.904	7.80	26.443	3.393	0.12	90.3
150	7.76	33.916	7.75	26.460	3.552	0.12	90.3
175	7.60	33.979	7.59	26.532	3.940	0.12	90.2
200	7.46	33.999	7.44	26.569	4.315	0.12	90.2
225	7.34	34.011	7.32	26.595	4.685	0.12	90.2
250	7.22	34.026	7.20	26.624	5.049	0.12	90.3
275	7.10	34.039	7.08	26.651	5.407	0.12	90.4
300	6.85	34.038	6.82	26.685	5.760	0.12	90.4
350	6.61	34.050	6.57	26.728	6.448	0.12	90.5
400	6.27	34.069	6.23	26.787	7.115	0.12	90.5
450	5.91	34.086	5.87	26.847	7.754	0.12	90.6
500	5.64	34.099	5.60	26.891	8.371	0.12	90.6
600	5.12	34.167	5.07	27.007	9.537	0.12	90.5
800	4.38	34.291	4.32	27.189	11.587	0.12	90.6
1000	3.76	34.394	3.69	27.336	13.348	0.12	90.5
1014	3.74	34.402	3.66	27.345	13.462	0.11	90.5

AT7-21

Station 13 CR-11
Temperature, Salinity

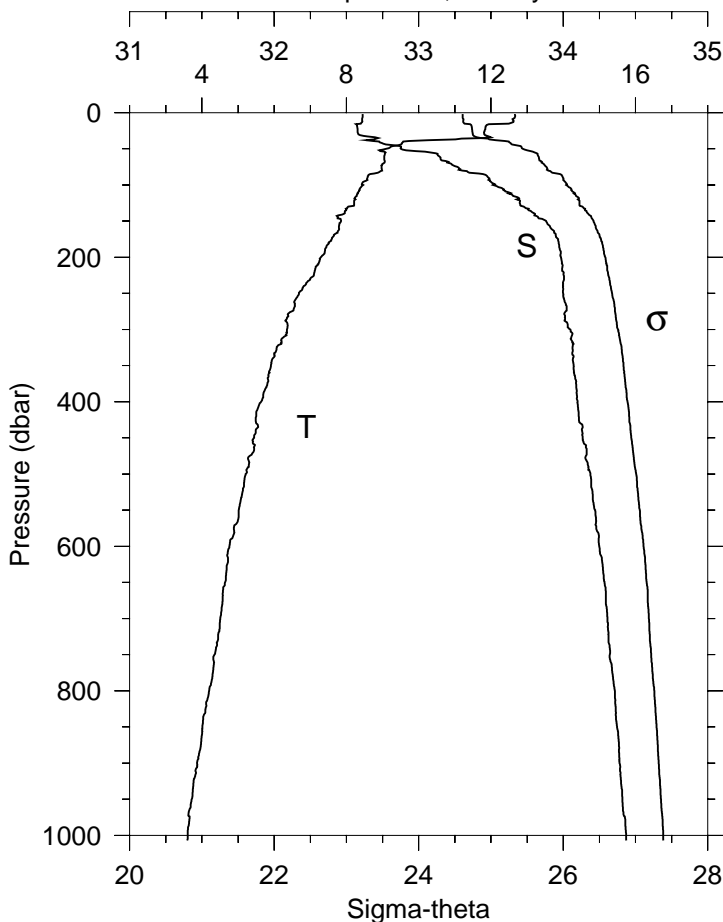
STA: 13 CR-11 LAT: 41 54.0 N LONG: 126 0.1 W
30 SEP 2002 0457 GMT DEPTH 3300



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	12.81	32.680	12.80	24.635	0.066	0.23	87.2
10	12.42	32.677	12.42	24.707	0.329	0.26	86.6
20	12.41	32.681	12.41	24.713	0.652	0.33	86.6
30	12.35	32.688	12.35	24.729	0.974	0.31	86.7
40	12.22	32.692	12.22	24.757	1.294	0.27	87.1
50	10.50	32.727	10.49	25.095	1.596	0.20	88.4
60	8.52	32.753	8.51	25.434	1.871	0.15	89.7
70	8.62	32.915	8.61	25.545	2.120	0.14	89.9
80	8.68	33.250	8.67	25.799	2.353	0.12	90.2
90	8.46	33.495	8.45	26.025	2.562	0.12	90.2
100	8.53	33.612	8.52	26.107	2.757	0.12	90.2
110	8.50	33.685	8.49	26.168	2.946	0.12	90.2
120	8.26	33.758	8.24	26.262	3.128	0.12	90.2
130	8.30	33.874	8.29	26.347	3.300	0.12	90.1
140	8.15	33.933	8.13	26.416	3.466	0.12	89.9
150	8.01	33.975	8.00	26.469	3.626	0.12	89.8
175	7.66	33.993	7.64	26.535	4.014	0.12	89.9
200	7.47	34.031	7.45	26.593	4.386	0.12	89.9
225	7.20	34.039	7.18	26.638	4.747	0.12	90.1
250	6.74	34.020	6.72	26.684	5.100	0.12	90.6
275	6.59	34.037	6.56	26.720	5.443	0.12	90.5
300	6.47	34.054	6.44	26.749	5.779	0.12	90.4
350	6.13	34.089	6.10	26.820	6.428	0.12	90.3
400	5.78	34.115	5.75	26.885	7.045	0.12	90.5
450	5.45	34.118	5.41	26.928	7.639	0.12	90.7
500	5.25	34.156	5.21	26.983	8.213	0.12	90.7
600	4.83	34.241	4.79	27.098	9.284	0.12	90.6
800	4.09	34.335	4.03	27.254	11.186	0.12	90.7
1000	3.61	34.420	3.53	27.371	12.852	0.12	90.7
1006	3.60	34.422	3.53	27.374	12.899	0.12	90.7

Station 14 CR-10
Temperature, Salinity

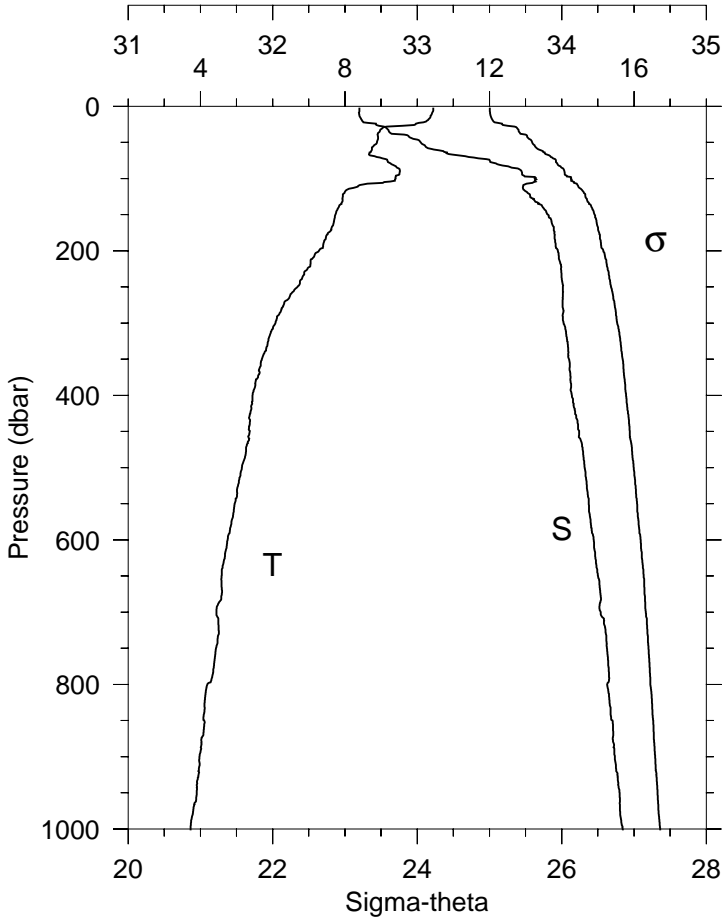
STA: 14 CR-10 LAT: 41 54.0 N LONG: 125 40.0 W
30 SEP 2002 0824 GMT DEPTH 2907



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	12.66	32.612	12.66	24.610	0.066	0.36	86.3
10	12.60	32.609	12.60	24.619	0.332	0.38	86.2
20	11.85	32.575	11.85	24.735	0.659	0.51	84.8
30	11.82	32.583	11.81	24.748	0.979	0.49	84.6
40	9.57	32.726	9.57	25.248	1.282	0.18	88.7
50	9.11	32.876	9.10	25.439	1.545	0.15	89.8
60	9.05	33.138	9.04	25.654	1.785	0.13	90.1
70	9.03	33.219	9.02	25.721	2.017	0.13	90.1
80	8.99	33.303	8.98	25.793	2.241	0.12	90.1
90	8.58	33.483	8.57	25.997	2.450	0.12	90.1
100	8.46	33.514	8.45	26.040	2.649	0.12	90.2
110	8.32	33.620	8.31	26.144	2.841	0.12	90.2
120	8.25	33.678	8.24	26.201	3.026	0.12	90.3
130	8.05	33.726	8.04	26.267	3.206	0.12	90.4
140	7.94	33.804	7.92	26.347	3.379	0.12	90.4
150	7.85	33.882	7.83	26.420	3.544	0.12	90.5
175	7.59	33.964	7.57	26.523	3.939	0.12	90.5
200	7.29	33.985	7.27	26.582	4.315	0.12	90.5
225	7.10	34.004	7.08	26.624	4.680	0.12	90.4
250	6.69	33.999	6.66	26.676	5.034	0.12	90.6
275	6.48	34.016	6.46	26.717	5.377	0.12	90.6
300	6.35	34.049	6.33	26.759	5.712	0.12	90.7
350	5.91	34.072	5.88	26.835	6.353	0.12	90.7
400	5.63	34.099	5.60	26.890	6.967	0.12	90.7
450	5.44	34.135	5.41	26.942	7.557	0.12	90.7
500	5.21	34.188	5.17	27.012	8.123	0.12	90.6
600	4.76	34.249	4.72	27.112	9.179	0.12	90.6
800	4.20	34.357	4.14	27.260	11.070	0.12	90.3
1000	3.61	34.435	3.54	27.383	12.719	0.12	90.7
1007	3.60	34.437	3.52	27.387	12.773	0.11	90.7

AT7-21

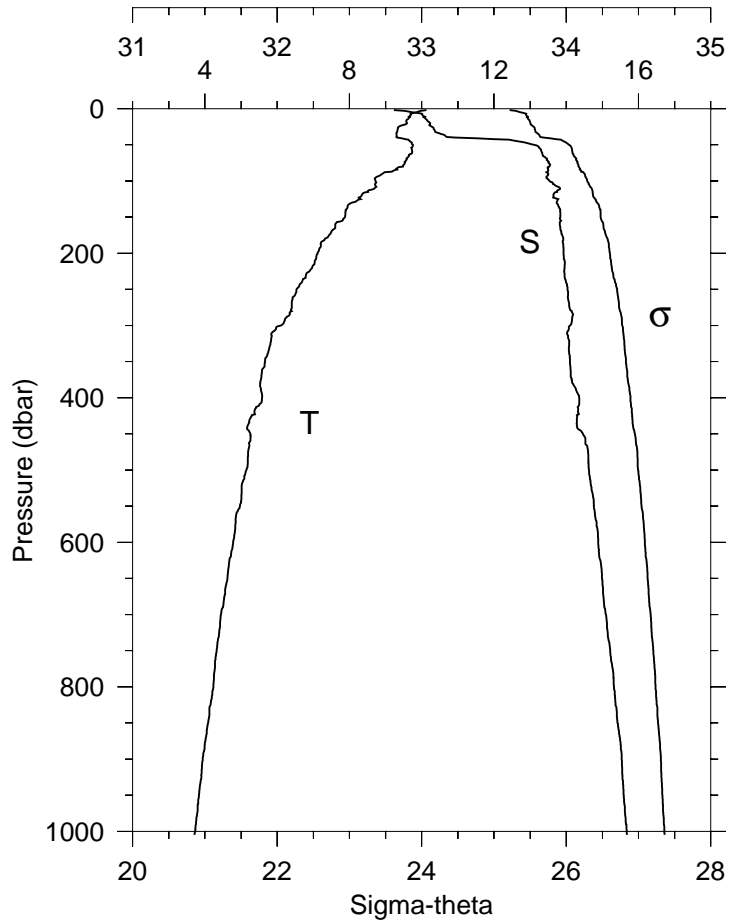
Station 15 CR-9a
Temperature, Salinity



STA: 15 CR-9a LAT: 41 54.0 N LONG: 125 24.0 W
30 SEP 2002 1104 GMT DEPTH 3073

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.44	32.600	10.44	25.005	0.059	0.31	86.0
10	10.41	32.598	10.41	25.009	0.294	0.32	86.5
20	10.27	32.618	10.27	25.048	0.587	0.29	86.3
30	9.04	32.786	9.04	25.379	0.864	0.16	89.7
40	8.91	32.930	8.90	25.513	1.119	0.15	90.1
50	8.88	33.024	8.88	25.590	1.362	0.12	90.3
60	8.75	33.114	8.74	25.682	1.598	0.12	90.3
70	8.88	33.356	8.87	25.851	1.821	0.12	90.0
80	9.29	33.554	9.28	25.942	2.031	0.14	89.3
90	9.52	33.722	9.51	26.036	2.232	0.14	89.5
100	9.40	33.814	9.39	26.127	2.427	0.13	89.5
110	8.37	33.732	8.36	26.225	2.613	0.12	90.2
120	7.98	33.764	7.97	26.308	2.789	0.12	90.4
130	7.93	33.810	7.92	26.351	2.960	0.11	90.5
140	7.82	33.870	7.81	26.415	3.125	0.12	90.5
150	7.74	33.904	7.72	26.454	3.286	0.12	90.5
175	7.54	33.948	7.52	26.518	3.677	0.12	90.5
200	7.27	33.973	7.26	26.575	4.056	0.12	90.5
225	6.96	33.995	6.94	26.636	4.419	0.12	90.6
250	6.68	34.007	6.66	26.682	4.771	0.12	90.6
275	6.30	34.006	6.28	26.732	5.111	0.12	90.6
300	6.07	34.013	6.05	26.767	5.442	0.12	90.6
350	5.70	34.050	5.67	26.843	6.078	0.12	90.6
400	5.44	34.070	5.41	26.890	6.690	0.12	90.6
450	5.36	34.121	5.33	26.941	7.280	0.12	90.7
500	5.15	34.159	5.11	26.996	7.847	0.12	90.7
600	4.75	34.221	4.71	27.091	8.919	0.12	90.7
800	4.19	34.314	4.13	27.227	10.851	0.12	90.6
1000	3.73	34.421	3.65	27.361	12.560	0.12	90.4
1002	3.72	34.422	3.65	27.362	12.575	0.11	90.4

Station 16 CR-8
Temperature, Salinity

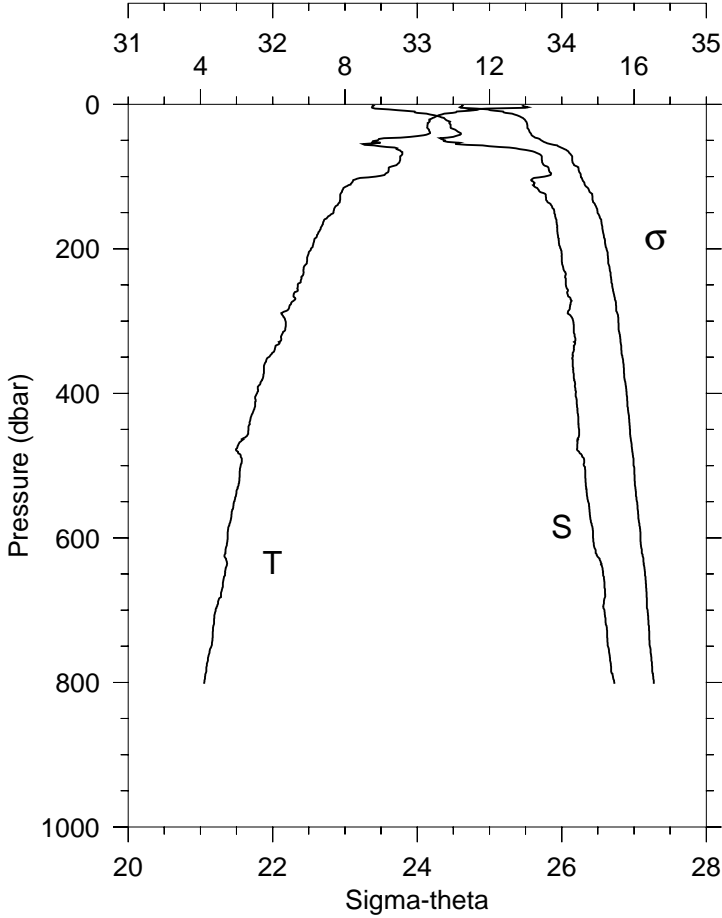


STA: 16 CR-8 LAT: 41 54.0 N LONG: 125 12.1 W
30 SEP 2002 1403 GMT DEPTH 2707

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.13	32.808	10.13	25.219	0.055	0.27	85.8
10	9.68	33.011	9.68	25.453	0.261	0.34	83.5
20	9.59	33.059	9.59	25.504	0.511	0.37	83.1
30	9.33	33.090	9.33	25.571	0.754	0.29	86.1
40	9.32	33.228	9.31	25.681	0.992	0.25	86.7
50	9.75	33.775	9.75	26.038	1.198	0.14	89.0
60	9.74	33.831	9.73	26.085	1.392	0.14	88.6
70	9.58	33.867	9.58	26.138	1.583	0.14	88.2
80	9.48	33.884	9.47	26.169	1.769	0.13	87.8
90	8.92	33.876	8.91	26.253	1.951	0.12	89.9
100	8.72	33.885	8.71	26.291	2.127	0.11	90.1
110	8.70	33.957	8.69	26.351	2.299	0.11	90.2
120	8.34	33.912	8.32	26.371	2.466	0.11	90.2
130	8.07	33.934	8.06	26.428	2.630	0.11	90.3
140	7.89	33.959	7.88	26.474	2.789	0.11	90.4
150	7.88	33.959	7.86	26.477	2.946	0.11	90.4
175	7.44	33.973	7.42	26.551	3.330	0.11	90.5
200	7.11	33.982	7.09	26.604	3.699	0.12	90.5
225	6.89	33.986	6.87	26.638	4.059	0.12	90.5
250	6.54	34.010	6.52	26.704	4.408	0.12	90.6
275	6.40	34.022	6.38	26.732	4.746	0.12	90.6
300	6.10	34.028	6.08	26.775	5.076	0.12	90.6
350	5.66	34.025	5.63	26.828	5.714	0.12	90.7
400	5.58	34.090	5.55	26.889	6.330	0.12	90.7
450	5.26	34.117	5.22	26.950	6.921	0.12	90.7
500	5.15	34.157	5.11	26.995	7.485	0.12	90.8
600	4.78	34.222	4.73	27.089	8.552	0.12	90.7
800	4.23	34.330	4.17	27.236	10.480	0.12	90.7
1000	3.73	34.419	3.66	27.358	12.171	0.12	90.7
1005	3.71	34.421	3.63	27.362	12.211	0.12	90.7

AT7-21

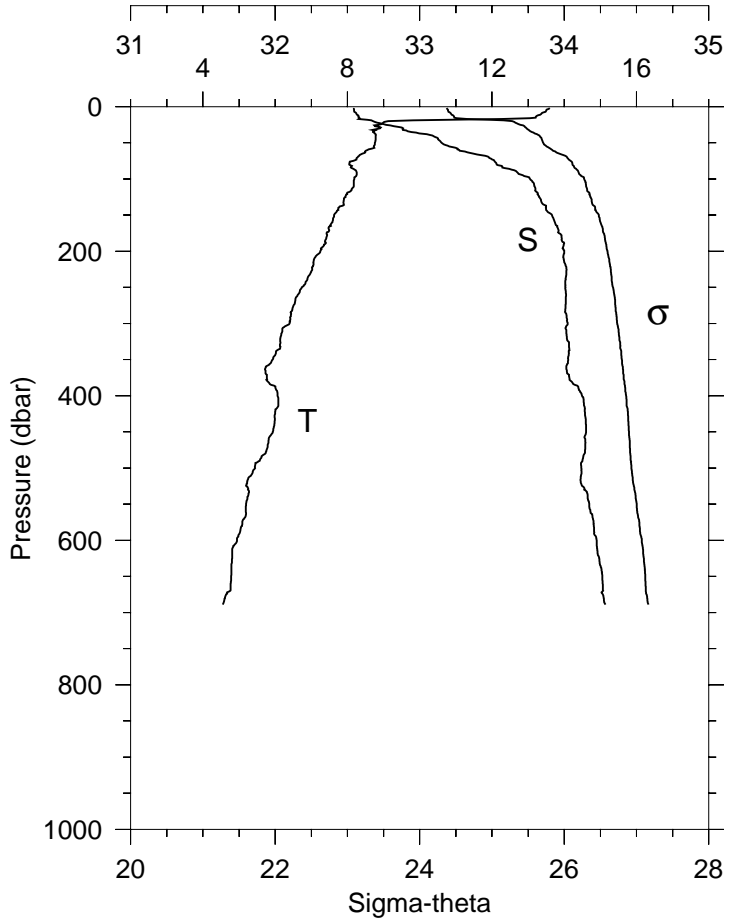
Station 17 CR-7
Temperature, Salinity



STA: 17 CR-7 LAT: 41 54.0 N LONG: 125 0.1 W
30 SEP 2002 1636 GMT DEPTH 827

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	12.92	32.687	12.92	24.618	0.033	0.45	81.1
10	11.09	32.981	11.09	25.188	0.315	0.45	81.4
20	10.39	33.191	10.39	25.474	0.577	0.40	81.7
30	10.28	33.231	10.27	25.525	0.824	0.39	82.8
40	10.35	33.301	10.35	25.567	1.068	0.36	82.1
50	8.91	33.190	8.90	25.716	1.304	0.17	88.1
60	9.38	33.636	9.37	25.991	1.519	0.13	88.8
70	9.57	33.854	9.56	26.130	1.712	0.14	87.7
80	9.51	33.864	9.50	26.148	1.900	0.13	87.9
90	9.21	33.910	9.20	26.233	2.083	0.12	88.7
100	8.85	33.881	8.84	26.268	2.261	0.12	89.4
110	8.16	33.809	8.15	26.316	2.435	0.12	90.1
120	7.92	33.844	7.91	26.380	2.604	0.12	90.3
130	7.87	33.891	7.85	26.425	2.766	0.12	90.4
140	7.78	33.928	7.76	26.467	2.927	0.12	90.4
150	7.68	33.948	7.67	26.496	3.083	0.12	90.5
175	7.30	33.968	7.28	26.567	3.460	0.12	90.4
200	7.06	33.993	7.04	26.621	3.826	0.12	90.6
225	6.86	34.009	6.84	26.660	4.182	0.12	90.6
250	6.70	34.028	6.67	26.698	4.530	0.12	90.6
275	6.51	34.062	6.49	26.749	4.868	0.12	90.6
300	6.35	34.079	6.33	26.783	5.196	0.12	90.6
350	5.89	34.075	5.86	26.839	5.834	0.12	90.6
400	5.57	34.097	5.53	26.897	6.445	0.12	90.7
450	5.33	34.120	5.29	26.944	7.033	0.12	90.7
500	5.11	34.153	5.07	26.995	7.599	0.12	90.7
600	4.75	34.217	4.70	27.088	8.671	0.12	90.7
800	4.11	34.363	4.05	27.274	10.561	0.12	89.8
802	4.11	34.363	4.05	27.275	10.578	0.12	89.6

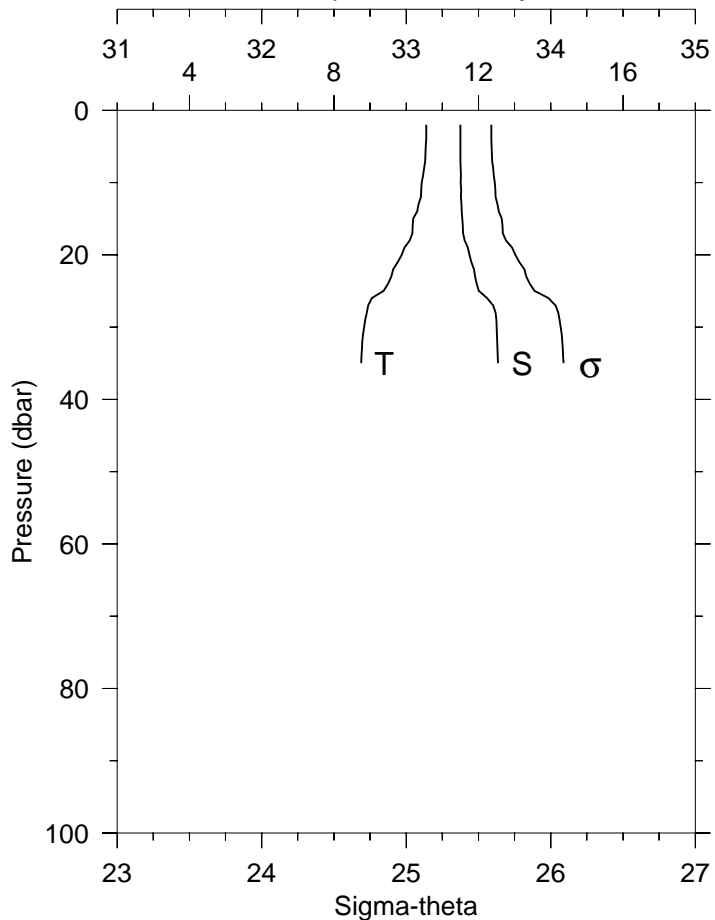
Station 18 CR-6
Temperature, Salinity



STA: 18 CR-6 LAT: 41 54.0 N LONG: 124 48.0 W
30 SEP 2002 1923 GMT DEPTH 693

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.60	32.546	13.60	24.374	0.071	0.49	82.2
10	13.36	32.563	13.36	24.434	0.352	1.54	80.4
20	9.12	32.677	9.12	25.280	0.681	0.17	84.1
30	8.90	32.886	8.89	25.480	0.939	0.14	90.1
40	8.78	33.089	8.78	25.657	1.181	0.13	90.2
50	8.76	33.152	8.76	25.710	1.411	0.12	90.2
60	8.56	33.273	8.56	25.835	1.634	0.12	90.2
70	8.28	33.480	8.27	26.040	1.841	0.12	90.3
80	8.05	33.533	8.05	26.115	2.034	0.12	90.4
90	8.25	33.671	8.24	26.195	2.221	0.12	90.4
100	8.19	33.763	8.18	26.276	2.400	0.12	90.5
110	8.18	33.794	8.16	26.302	2.574	0.12	90.5
120	7.98	33.817	7.97	26.349	2.745	0.12	90.5
130	7.90	33.840	7.89	26.380	2.912	0.12	90.5
140	7.75	33.873	7.74	26.428	3.077	0.12	90.5
150	7.63	33.915	7.62	26.478	3.236	0.12	90.5
175	7.42	33.963	7.40	26.546	3.621	0.12	90.5
200	7.25	34.000	7.23	26.599	3.992	0.12	90.5
225	7.02	34.016	7.00	26.644	4.352	0.12	90.6
250	6.74	34.009	6.72	26.676	4.705	0.12	90.7
275	6.51	34.010	6.49	26.708	5.049	0.12	90.7
300	6.39	34.023	6.37	26.733	5.388	0.12	90.7
350	5.93	34.027	5.90	26.796	6.044	0.12	90.7
400	6.07	34.123	6.03	26.856	6.676	0.12	90.7
450	5.93	34.152	5.90	26.896	7.287	0.12	90.7
500	5.44	34.118	5.40	26.930	7.884	0.12	90.7
600	4.94	34.225	4.89	27.073	8.998	0.12	90.2
689	4.55	34.286	4.50	27.166	9.897	0.12	90.2

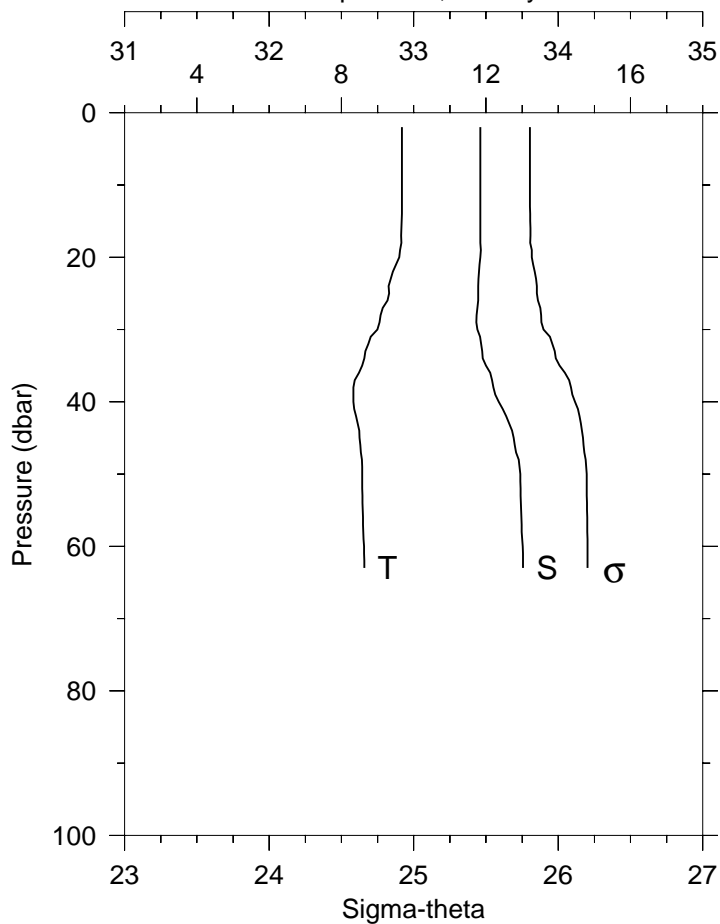
Station 19 CR-1
Temperature, Salinity



STA: 19 CR-1 LAT: 41 54.0 N LONG: 124 18.0 W
30 SEP 2002 2245 GMT DEPTH 41

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.55	33.375	10.55	25.589	0.048	1.37	59.5
10	10.43	33.377	10.43	25.612	0.238	1.40	61.2
20	9.87	33.437	9.87	25.754	0.471	0.89	74.4
30	8.84	33.625	8.83	26.068	0.678	0.18	81.7
35	8.75	33.634	8.75	26.088	0.775	0.17	77.4

Station 20 CR-2
Temperature, Salinity

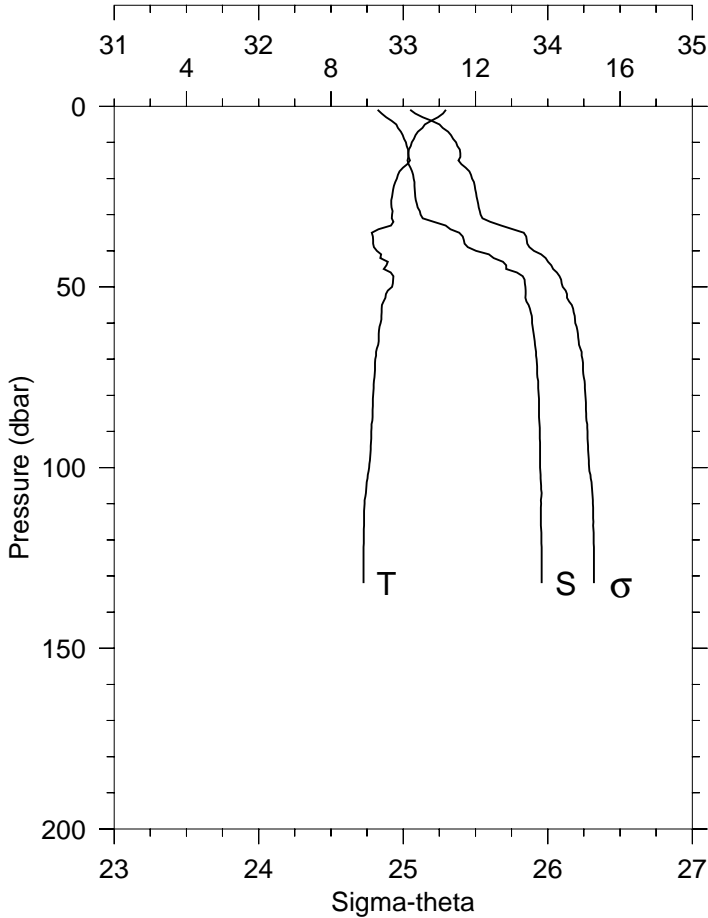


STA: 20 CR-2 LAT: 41 54.0 N LONG: 124 24.0 W
01 OCT 2002 0018 GMT DEPTH 69

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.68	33.461	9.68	25.804	0.044	0.49	77.0
10	9.67	33.461	9.67	25.805	0.218	0.50	76.7
20	9.60	33.462	9.60	25.818	0.437	0.54	76.2
30	9.00	33.440	9.00	25.898	0.650	0.32	81.8
40	8.33	33.588	8.33	26.116	0.849	0.13	89.2
50	8.57	33.737	8.57	26.197	1.034	0.13	80.2
60	8.62	33.755	8.62	26.203	1.215	0.13	72.2
63	8.63	33.757	8.63	26.203	1.270	0.14	68.7

AT7-21

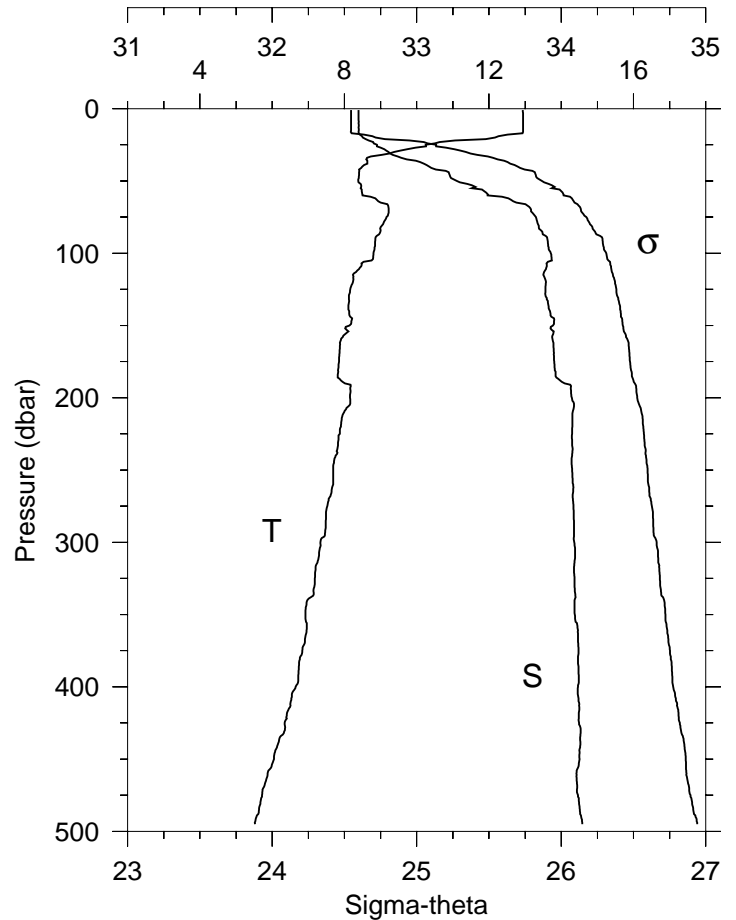
Station 21 CR-3
Temperature, Salinity



STA: 21 CR-3 LAT: 41 54.0 N LONG: 124 30.0 W
01 OCT 2002 0240 GMT DEPTH 137

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	11.19	32.823	11.19	25.048	0.029	0.49	81.7
10	10.24	33.018	10.24	25.365	0.274	0.44	78.1
20	9.82	33.073	9.82	25.477	0.530	0.46	79.3
30	9.69	33.120	9.69	25.536	0.777	0.47	78.8
40	9.27	33.503	9.27	25.904	1.000	0.17	87.6
50	9.69	33.846	9.69	26.103	1.198	0.14	88.4
60	9.38	33.891	9.37	26.191	1.384	0.12	87.9
70	9.22	33.923	9.22	26.240	1.564	0.12	86.7
80	9.17	33.937	9.16	26.261	1.741	0.12	86.3
90	9.12	33.944	9.11	26.275	1.918	0.12	86.0
100	9.06	33.947	9.05	26.287	2.093	0.12	86.4
110	8.93	33.954	8.92	26.312	2.266	0.12	82.4
120	8.91	33.956	8.90	26.317	2.438	0.12	75.1
130	8.90	33.958	8.89	26.320	2.610	0.12	69.5
132	8.90	33.958	8.89	26.320	2.644	0.12	69.3

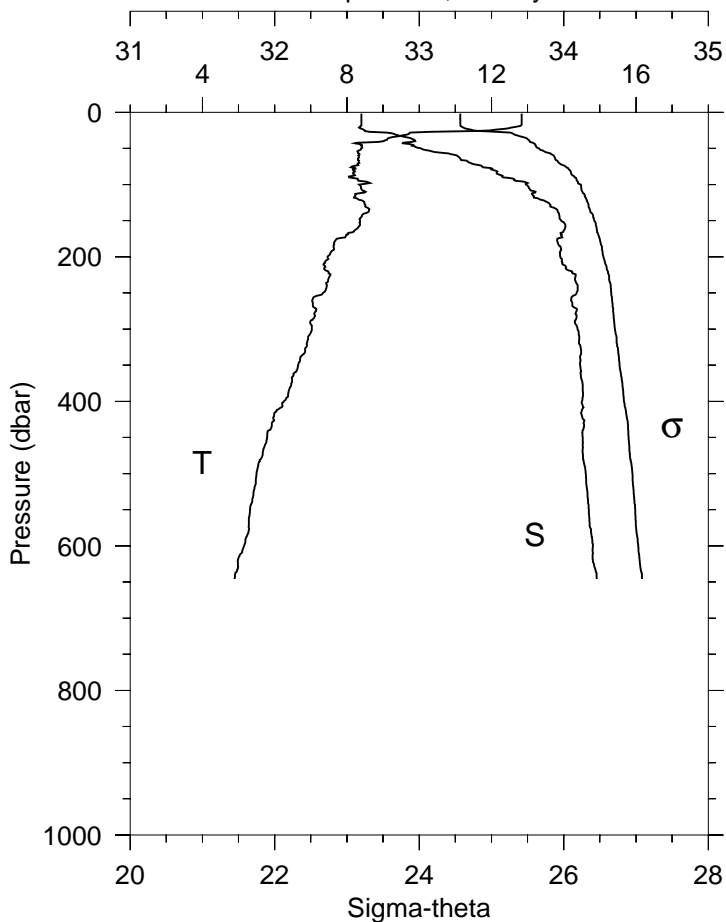
Station 22 CR-4
Temperature, Salinity



STA: 22 CR-4 LAT: 41 54.0 N LONG: 124 36.0 W
01 OCT 2002 0522 GMT DEPTH 501

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	12.94	32.598	12.94	24.545	0.034	0.73	83.6
10	12.94	32.598	12.94	24.545	0.338	0.76	83.9
20	12.17	32.627	12.17	24.715	0.674	0.67	85.1
30	9.38	32.804	9.38	25.339	0.960	0.16	89.2
40	8.49	33.087	8.49	25.699	1.204	0.11	90.4
50	8.38	33.279	8.38	25.867	1.423	0.11	90.5
60	8.50	33.491	8.49	26.016	1.628	0.11	90.4
70	9.22	33.791	9.22	26.137	1.820	0.12	90.0
80	9.07	33.839	9.06	26.199	2.005	0.12	89.9
90	8.85	33.904	8.85	26.285	2.184	0.12	89.9
100	8.81	33.928	8.80	26.311	2.357	0.12	90.1
110	8.43	33.896	8.41	26.345	2.528	0.12	90.3
120	8.23	33.894	8.22	26.373	2.696	0.12	90.4
130	8.12	33.893	8.11	26.389	2.861	0.12	90.5
140	8.13	33.923	8.11	26.412	3.025	0.12	90.5
150	8.14	33.942	8.12	26.426	3.188	0.11	90.4
175	7.85	33.951	7.83	26.475	3.586	0.12	90.5
200	8.15	34.073	8.14	26.526	3.975	0.12	90.4
225	7.87	34.076	7.85	26.571	4.352	0.12	88.5
250	7.69	34.076	7.66	26.597	4.723	0.12	89.0
275	7.53	34.085	7.50	26.628	5.089	0.12	88.5
300	7.34	34.091	7.31	26.660	5.449	0.12	89.1
350	6.92	34.094	6.89	26.721	6.148	0.12	89.6
400	6.65	34.116	6.61	26.775	6.819	0.12	89.9
450	6.05	34.127	6.01	26.861	7.459	0.12	90.2
495	5.53	34.145	5.49	26.940	8.004	0.11	86.4

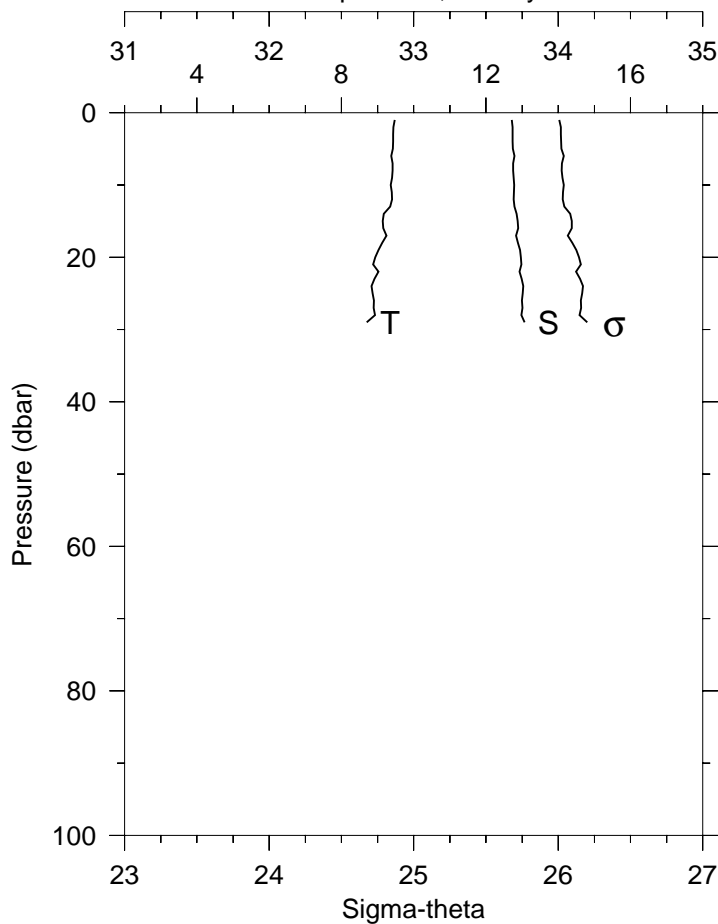
Station 23 CR-5
Temperature, Salinity



STA: 23 CR-5 LAT: 41 54.0 N LONG: 124 42.0 W
01 OCT 2002 0855 GMT DEPTH 652

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	12.83	32.599	12.83	24.568	0.067	0.52	85.2
10	12.84	32.599	12.83	24.567	0.336	0.48	85.2
20	12.69	32.589	12.68	24.588	0.672	0.49	84.7
30	9.71	32.827	9.71	25.304	0.980	0.13	89.6
40	9.02	32.972	9.02	25.528	1.233	0.13	90.2
50	8.39	33.012	8.39	25.656	1.472	0.12	90.3
60	8.31	33.260	8.31	25.862	1.696	0.11	90.5
70	8.34	33.357	8.33	25.935	1.907	0.11	90.5
80	8.17	33.515	8.16	26.084	2.106	0.11	90.4
90	8.06	33.581	8.05	26.153	2.297	0.12	90.5
100	8.34	33.739	8.33	26.235	2.481	0.12	90.3
110	8.52	33.804	8.50	26.259	2.659	0.12	90.1
120	8.29	33.829	8.28	26.312	2.834	0.12	90.3
130	8.51	33.907	8.49	26.342	3.004	0.12	90.0
140	8.49	33.967	8.48	26.391	3.172	0.12	90.1
150	8.36	33.981	8.34	26.423	3.336	0.12	90.1
175	7.72	33.956	7.70	26.497	3.733	0.12	90.4
200	7.46	33.976	7.44	26.550	4.116	0.12	90.5
225	7.54	34.084	7.52	26.625	4.485	0.12	90.3
250	7.34	34.089	7.32	26.658	4.842	0.12	90.4
275	7.14	34.088	7.12	26.685	5.192	0.12	90.5
300	7.03	34.097	7.00	26.708	5.538	0.12	90.6
350	6.65	34.113	6.62	26.772	6.209	0.12	90.6
400	6.25	34.125	6.22	26.834	6.853	0.12	90.5
450	5.79	34.131	5.75	26.898	7.466	0.12	89.3
500	5.50	34.152	5.46	26.950	8.059	0.12	89.1
600	5.15	34.202	5.11	27.030	9.188	0.12	89.8
646	4.89	34.229	4.84	27.082	9.679	0.11	87.4

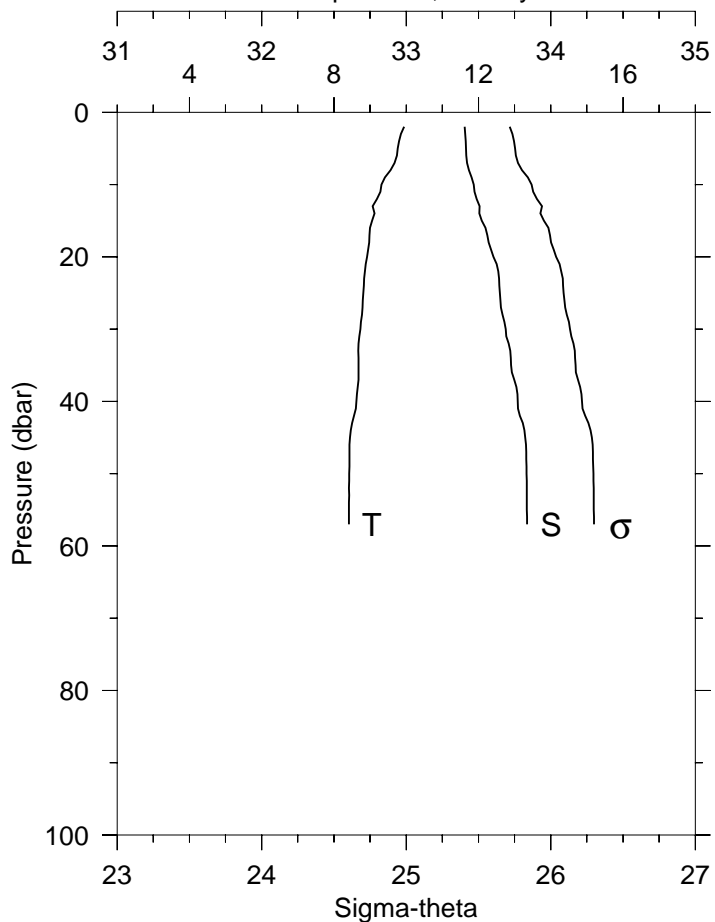
Station 24 FM-1
Temperature, Salinity



STA: 24 FM-1 LAT: 43 13.1 N LONG: 124 26.0 W
01 OCT 2002 1926 GMT DEPTH 35

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	9.47	33.679	9.47	26.008	0.020	0.26	74.3
10	9.37	33.695	9.37	26.038	0.198	0.37	72.6
20	8.94	33.742	8.93	26.144	0.390	0.39	73.5
29	8.70	33.768	8.70	26.201	0.557	0.33	78.4

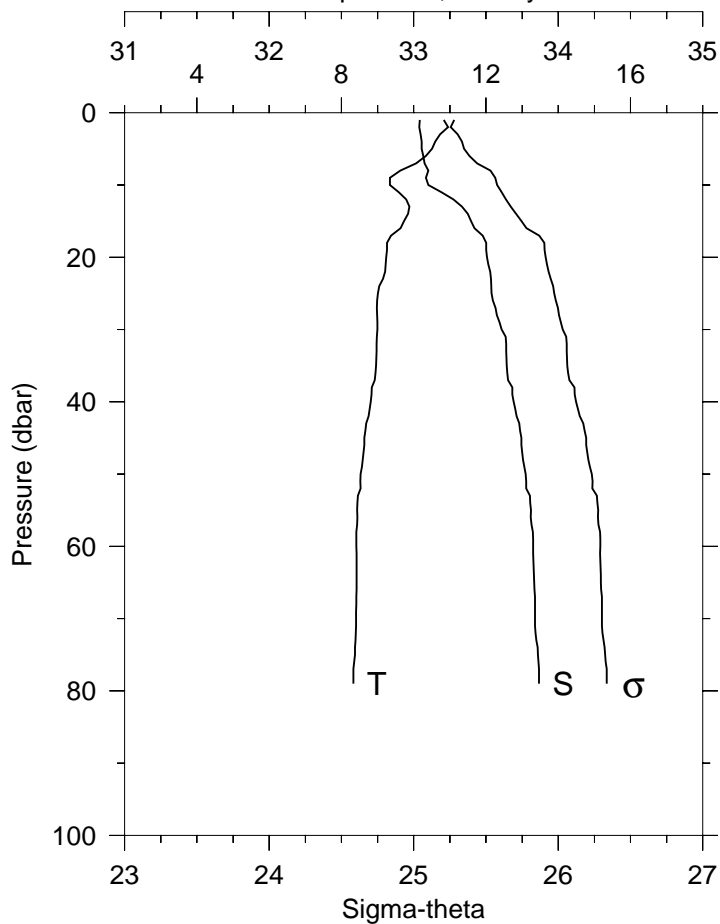
Station 25 FM-3
Temperature, Salinity



STA: 25 FM-3 LAT: 43 13.1 N LONG: 124 30.0 W
01 OCT 2002 2046 GMT DEPTH 60

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.94	33.405	9.94	25.717	0.045	0.41	74.8
10	9.31	33.467	9.31	25.868	0.222	0.70	78.5
20	8.91	33.603	8.91	26.038	0.426	0.32	84.2
30	8.73	33.688	8.73	26.134	0.618	0.29	83.0
40	8.62	33.772	8.61	26.217	0.802	0.20	81.5
50	8.42	33.833	8.42	26.295	0.976	0.16	77.8
57	8.41	33.836	8.41	26.299	1.097	0.16	76.6

Station 26 FM-4
Temperature, Salinity



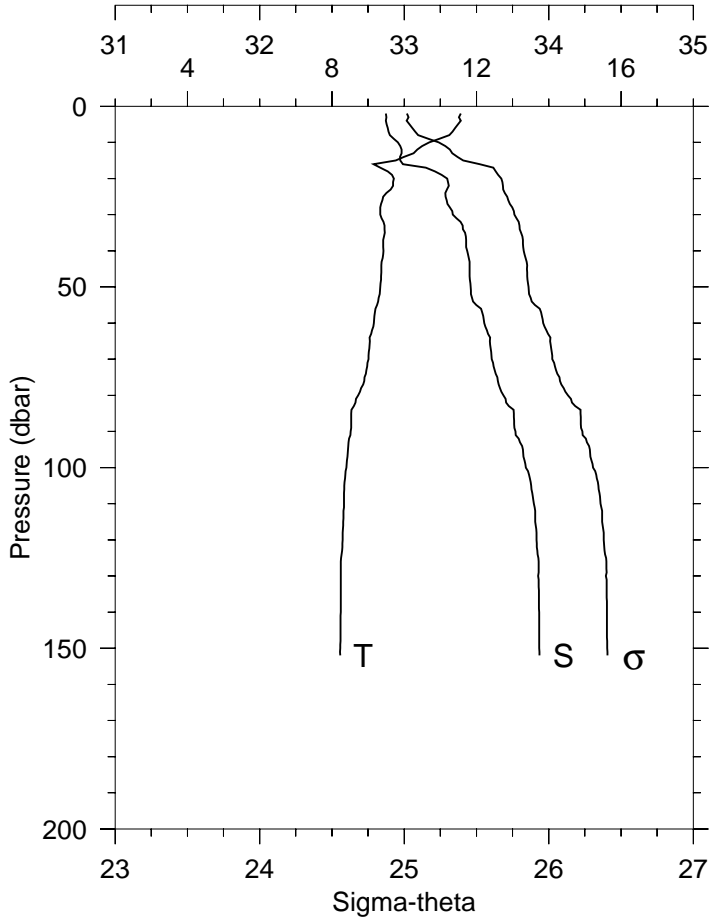
STA: 26 FM-4 LAT: 43 13.1 N LONG: 124 35.1 W
01 OCT 2002 2210 GMT DEPTH 84

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	10.84	33.043	10.84	25.281	0.027	0.62	70.7
10	9.34	33.101	9.34	25.577	0.258	1.25	72.1
20	9.24	33.508	9.24	25.913	0.481	0.55	78.6
30	8.99	33.609	8.99	26.031	0.684	0.32	85.1
40	8.81	33.691	8.81	26.124	0.877	0.28	85.5
50	8.53	33.774	8.53	26.232	1.060	0.23	84.5
60	8.42	33.826	8.41	26.291	1.235	0.19	83.2
70	8.41	33.839	8.40	26.302	1.408	0.20	82.1
79	8.33	33.867	8.33	26.336	1.562	0.22	81.9

AT7-21

Station 27 FM-5
Temperature, Salinity

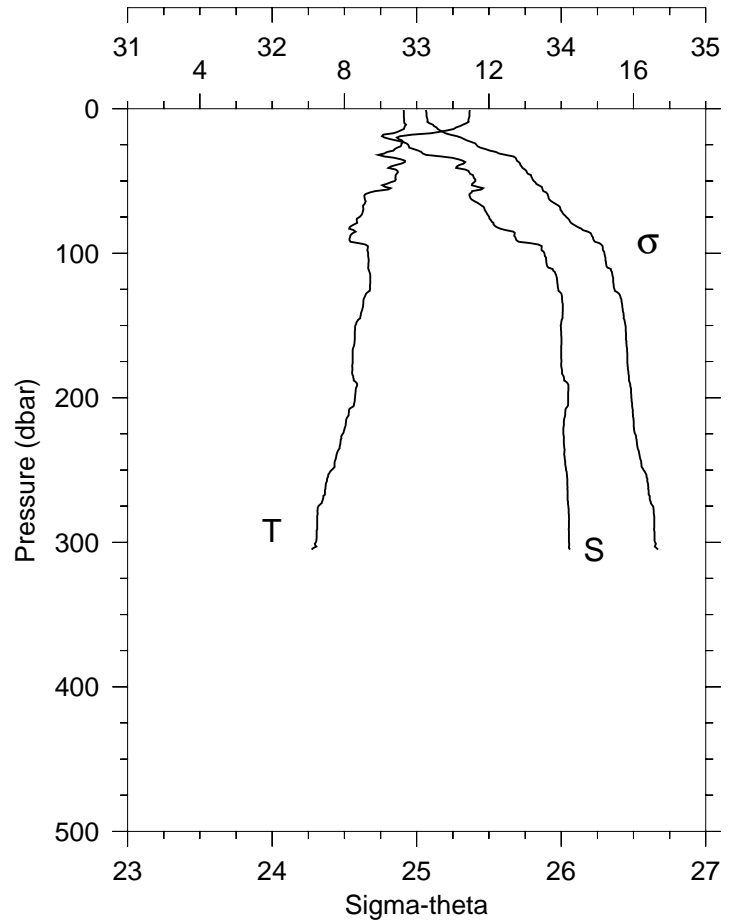
STA: 27 FM-5 LAT: 43 13.1 N LONG: 124 40.1 W
01 OCT 2002 2335 GMT DEPTH 158



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.56	32.872	11.56	25.018	0.059	0.52	77.8
10	10.70	32.955	10.69	25.238	0.289	1.28	74.5
20	9.71	33.297	9.71	25.671	0.540	0.69	81.9
30	9.34	33.336	9.34	25.762	0.768	0.44	82.3
40	9.42	33.436	9.42	25.827	0.987	0.32	86.5
50	9.33	33.460	9.33	25.860	1.202	0.25	86.9
60	9.16	33.554	9.15	25.962	1.411	0.27	86.4
70	9.01	33.605	9.00	26.025	1.612	0.22	86.2
80	8.72	33.686	8.71	26.134	1.806	0.17	86.4
90	8.52	33.770	8.51	26.232	1.988	0.17	84.3
100	8.40	33.842	8.39	26.307	2.163	0.18	86.2
110	8.34	33.896	8.32	26.358	2.333	0.16	87.5
120	8.30	33.916	8.29	26.380	2.499	0.16	86.9
130	8.24	33.926	8.23	26.396	2.664	0.15	79.6
140	8.24	33.933	8.23	26.402	2.828	0.15	79.0
150	8.23	33.934	8.21	26.405	2.992	0.15	76.5
152	8.23	33.935	8.21	26.406	3.025	0.17	74.4

Station 28 FM-6
Temperature, Salinity

STA: 28 FM-6 LAT: 43 13.1 N LONG: 124 45.0 W
02 OCT 2002 0113 GMT DEPTH 312

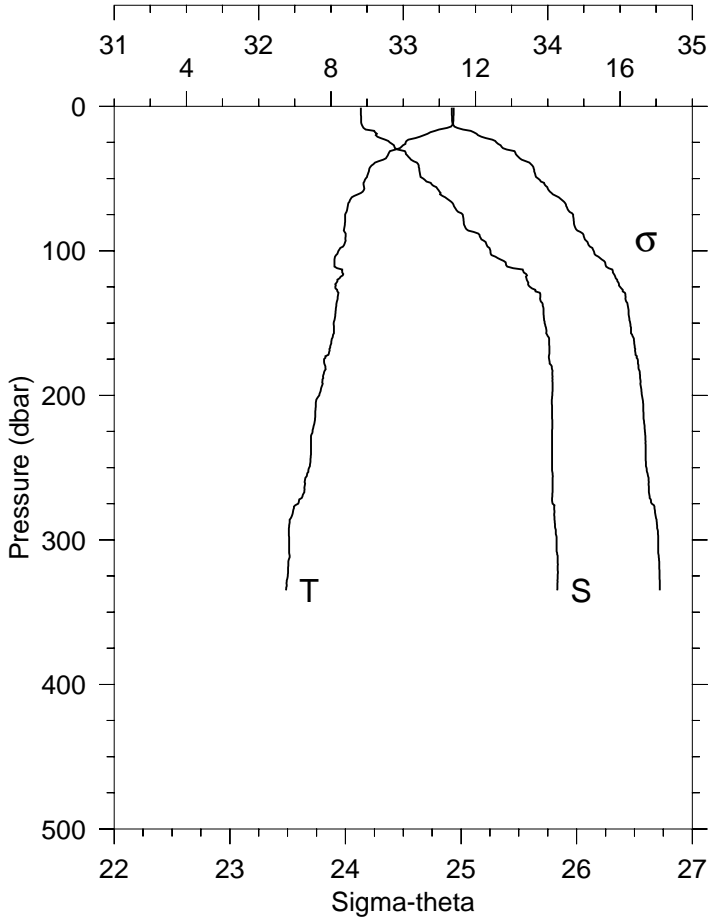


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	11.48	32.910	11.48	25.063	0.029	1.03	73.9
10	11.38	32.915	11.38	25.086	0.288	0.93	73.8
20	9.45	32.776	9.45	25.306	0.567	0.34	86.4
30	9.19	33.031	9.18	25.548	0.822	0.17	86.7
40	9.28	33.276	9.27	25.726	1.054	0.17	87.5
50	9.39	33.406	9.39	25.809	1.276	0.16	88.0
60	8.55	33.365	8.55	25.908	1.490	0.12	90.0
70	8.52	33.470	8.52	25.995	1.696	0.12	90.0
80	8.28	33.532	8.27	26.081	1.893	0.11	90.2
90	8.14	33.686	8.13	26.222	2.078	0.11	90.4
100	8.65	33.883	8.64	26.299	2.254	0.11	89.9
110	8.66	33.911	8.65	26.321	2.427	0.12	89.9
120	8.71	33.972	8.70	26.360	2.595	0.12	89.7
130	8.56	34.005	8.55	26.409	2.761	0.12	89.3
140	8.48	34.011	8.46	26.427	2.924	0.12	88.6
150	8.30	33.997	8.28	26.444	3.085	0.12	86.9
175	8.23	34.001	8.21	26.458	3.484	0.12	87.6
200	8.29	34.048	8.27	26.486	3.880	0.12	89.8
225	7.95	34.015	7.93	26.511	4.271	0.12	88.6
250	7.65	34.034	7.62	26.570	4.654	0.12	89.0
275	7.28	34.050	7.26	26.635	5.021	0.12	84.7
300	7.21	34.054	7.18	26.649	5.379	0.12	80.8
305	7.09	34.060	7.06	26.670	5.451	0.12	79.8

AT7-21

Station 29 FM-7
Temperature, Salinity

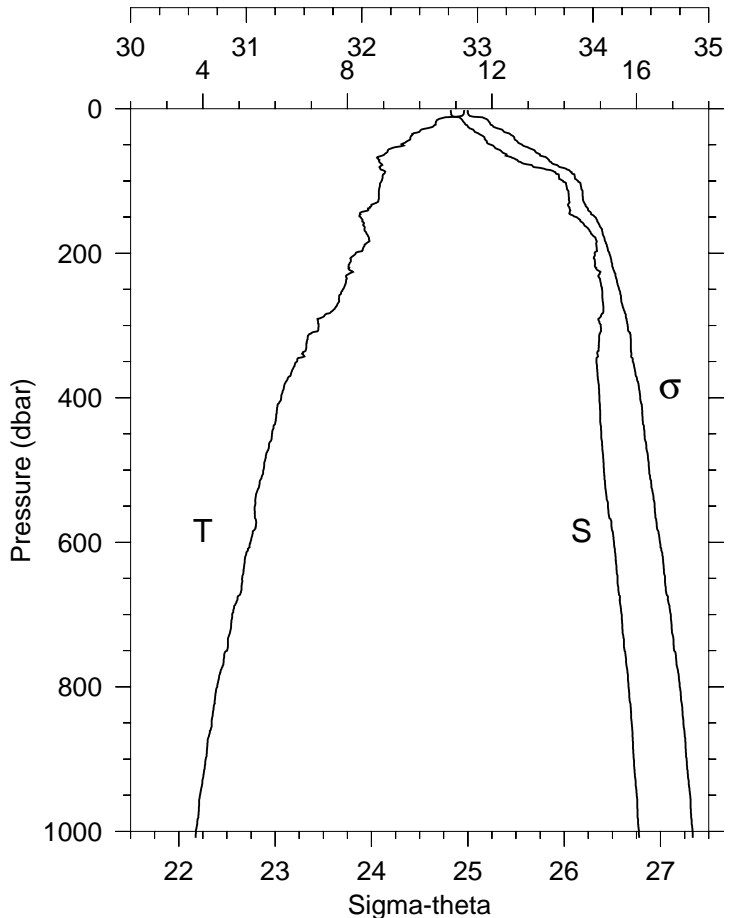
STA: 29 FM-7 LAT: 43 13.1 N LONG: 124 50.0 W
02 OCT 2002 0243 GMT DEPTH 341



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	11.40	32.706	11.40	24.919	0.030	0.28	84.2
10	11.39	32.708	11.39	24.923	0.302	0.29	84.2
20	10.57	32.810	10.57	25.145	0.597	0.30	84.0
30	9.79	32.962	9.79	25.396	0.864	0.29	85.9
40	9.18	33.103	9.17	25.606	1.112	0.18	88.5
50	8.96	33.138	8.95	25.668	1.347	0.16	89.0
60	8.83	33.258	8.82	25.782	1.573	0.16	88.8
70	8.46	33.357	8.45	25.917	1.787	0.11	89.6
80	8.39	33.419	8.38	25.976	1.992	0.11	88.7
90	8.40	33.530	8.39	26.061	2.193	0.11	88.6
100	8.20	33.603	8.19	26.148	2.385	0.11	90.3
110	8.10	33.713	8.09	26.251	2.567	0.11	90.4
120	8.18	33.854	8.17	26.349	2.739	0.11	89.4
130	8.20	33.948	8.19	26.421	2.905	0.11	87.4
140	8.14	33.970	8.12	26.447	3.066	0.12	89.5
150	8.08	33.979	8.06	26.463	3.226	0.11	88.2
175	7.81	34.010	7.79	26.527	3.616	0.12	89.7
200	7.68	34.031	7.66	26.564	3.993	0.12	90.0
225	7.49	34.030	7.47	26.590	4.364	0.12	90.5
250	7.40	34.030	7.37	26.603	4.732	0.12	89.3
275	7.09	34.034	7.07	26.649	5.094	0.12	90.4
300	6.84	34.062	6.81	26.706	5.441	0.12	88.9
335	6.76	34.065	6.73	26.720	5.920	0.12	88.0

Station 30 FM-8
Temperature, Salinity

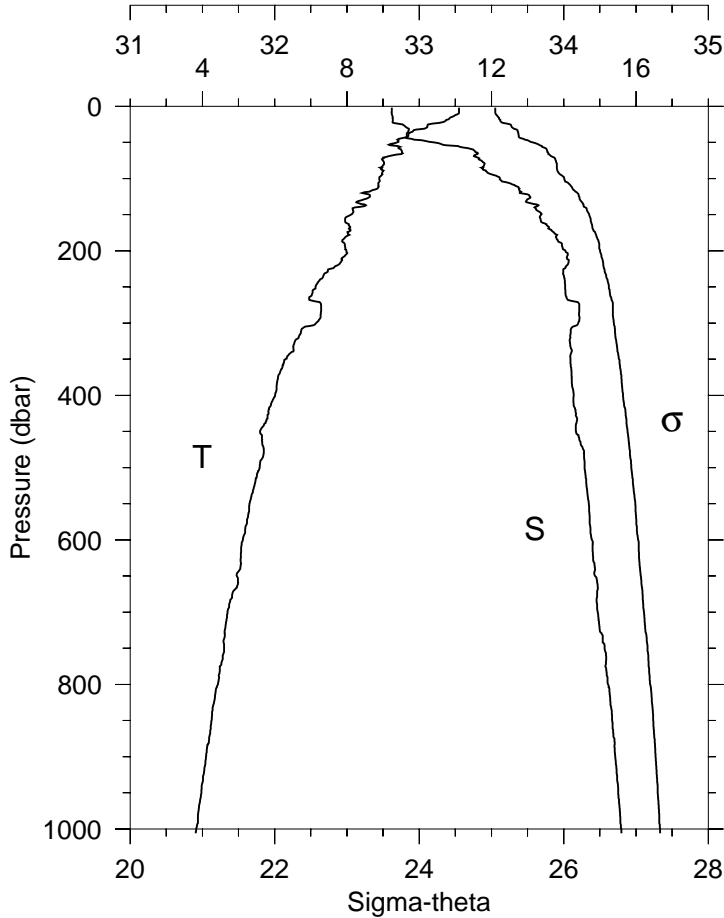
STA: 30 FM-8 LAT: 43 13.1 N LONG: 125 0.1 W
02 OCT 2002 0516 GMT DEPTH 1055



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.23	32.768	11.23	24.997	0.059	0.29	85.0
10	11.16	32.782	11.16	25.020	0.295	0.28	85.0
20	10.44	32.889	10.44	25.230	0.573	0.26	86.8
30	10.02	32.967	10.02	25.362	0.842	0.20	88.2
40	9.74	33.061	9.74	25.482	1.096	0.20	88.3
50	9.52	33.116	9.51	25.562	1.343	0.20	88.6
60	9.10	33.212	9.10	25.703	1.578	0.15	89.1
70	8.86	33.329	8.85	25.834	1.801	0.14	89.3
80	8.90	33.479	8.89	25.945	2.013	0.14	88.8
90	9.02	33.681	9.01	26.085	2.212	0.15	87.7
100	8.94	33.740	8.93	26.143	2.402	0.14	86.7
110	8.89	33.772	8.87	26.177	2.588	0.14	86.7
120	8.87	33.789	8.86	26.192	2.772	0.14	85.8
130	8.81	33.795	8.80	26.207	2.956	0.13	85.9
140	8.58	33.801	8.57	26.247	3.136	0.13	86.9
150	8.36	33.854	8.34	26.322	3.312	0.12	88.1
175	8.56	33.995	8.54	26.403	3.731	0.12	89.2
200	8.23	34.013	8.21	26.468	4.136	0.12	90.2
225	8.14	34.060	8.12	26.519	4.528	0.12	90.3
250	7.87	34.077	7.85	26.571	4.908	0.12	90.3
275	7.68	34.089	7.65	26.610	5.279	0.12	90.2
300	7.20	34.065	7.18	26.658	5.639	0.12	90.3
350	6.60	34.029	6.57	26.712	6.336	0.12	90.7
400	6.17	34.054	6.14	26.788	7.003	0.12	90.6
450	5.91	34.070	5.88	26.834	7.645	0.12	90.7
500	5.67	34.094	5.63	26.882	8.267	0.12	90.7
600	5.32	34.180	5.27	26.994	9.445	0.12	89.2
800	4.39	34.306	4.33	27.199	11.512	0.12	90.3
1000	3.81	34.396	3.73	27.333	13.269	0.12	90.1
1009	3.80	34.398	3.72	27.335	13.343	0.12	90.1

AT7-21

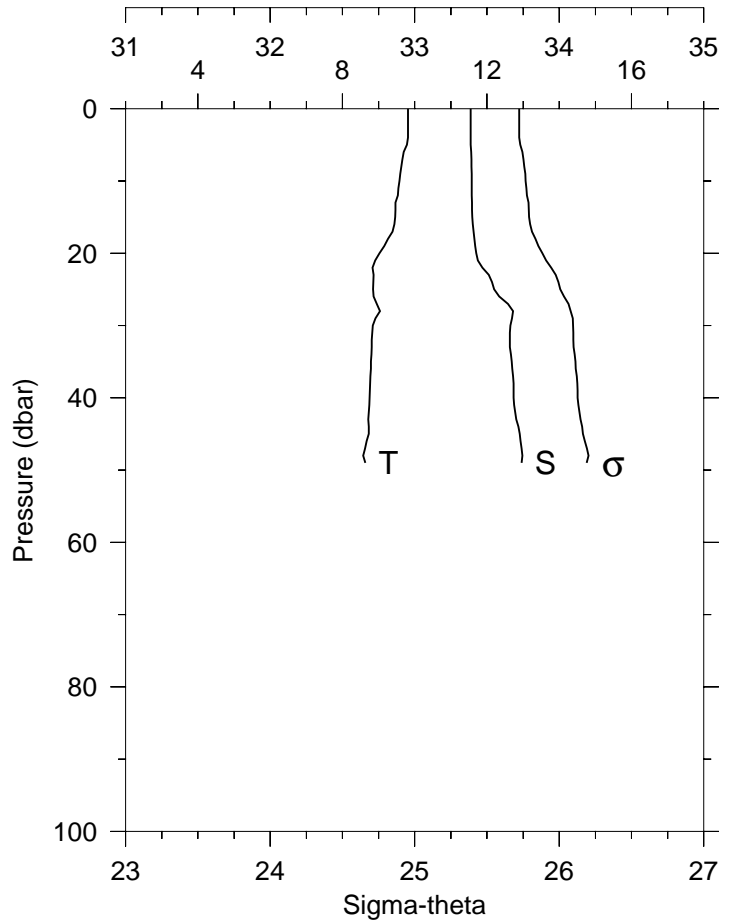
Station 31 FM-9
Temperature, Salinity



STA: 31 FM-9 LAT: 43 13.1 N LONG: 125 10.4 W
02 OCT 2002 0805 GMT DEPTH 1632

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.10	32.810	11.10	25.053	0.058	0.28	85.3
10	11.09	32.810	11.09	25.054	0.290	0.28	85.4
20	10.73	32.817	10.73	25.124	0.576	0.30	85.5
30	10.19	32.917	10.19	25.294	0.850	0.26	87.3
40	9.70	32.914	9.69	25.375	1.112	0.23	87.5
50	9.39	33.100	9.39	25.570	1.365	0.24	86.8
60	9.50	33.373	9.49	25.766	1.596	0.34	83.9
70	9.08	33.394	9.07	25.849	1.817	0.19	88.3
80	9.02	33.452	9.01	25.904	2.028	0.18	88.1
90	9.00	33.464	8.99	25.917	2.239	0.17	88.1
100	8.90	33.558	8.89	26.007	2.444	0.16	88.4
110	8.87	33.665	8.85	26.096	2.641	0.14	89.5
120	8.43	33.695	8.41	26.187	2.830	0.12	90.1
130	8.41	33.744	8.40	26.228	3.012	0.12	90.1
140	8.22	33.797	8.20	26.299	3.189	0.12	90.3
150	8.11	33.844	8.10	26.351	3.360	0.12	90.3
175	8.01	33.933	7.99	26.437	3.775	0.12	90.3
200	7.99	34.011	7.97	26.502	4.170	0.12	90.3
225	7.51	33.998	7.49	26.561	4.552	0.12	90.5
250	7.13	34.009	7.11	26.624	4.920	0.12	90.6
275	7.28	34.107	7.26	26.680	5.275	0.12	90.2
300	7.14	34.099	7.12	26.693	5.624	0.12	90.2
350	6.29	34.047	6.26	26.766	6.302	0.12	90.6
400	6.01	34.068	5.98	26.819	6.949	0.12	90.6
450	5.60	34.085	5.56	26.884	7.571	0.12	90.6
500	5.58	34.145	5.54	26.934	8.168	0.12	90.6
600	5.12	34.196	5.07	27.030	9.299	0.12	90.5
800	4.43	34.306	4.36	27.196	11.339	0.12	90.3
1000	3.83	34.397	3.76	27.331	13.097	0.12	90.3
1006	3.81	34.401	3.74	27.336	13.146	0.11	90.4

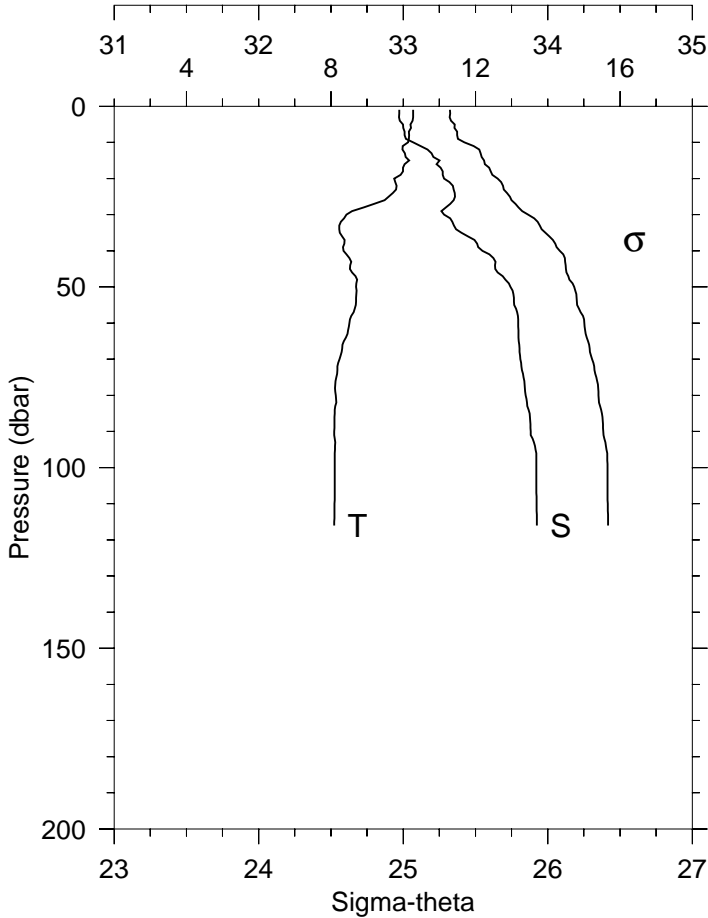
Station 32 HH-1
Temperature, Salinity



STA: 32 HH-1 LAT: 44 0.1 N LONG: 124 12.1 W
02 OCT 2002 1550 GMT DEPTH 54

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
0	9.82	33.388	9.82	25.724	0.000	0.87	70.9
10	9.58	33.394	9.58	25.768	0.225	0.76	78.5
20	9.02	33.426	9.02	25.883	0.443	0.44	84.1
30	8.84	33.662	8.84	26.096	0.642	0.34	82.5
40	8.75	33.685	8.75	26.128	0.832	0.28	81.0
49	8.63	33.739	8.63	26.189	0.999	0.26	74.8

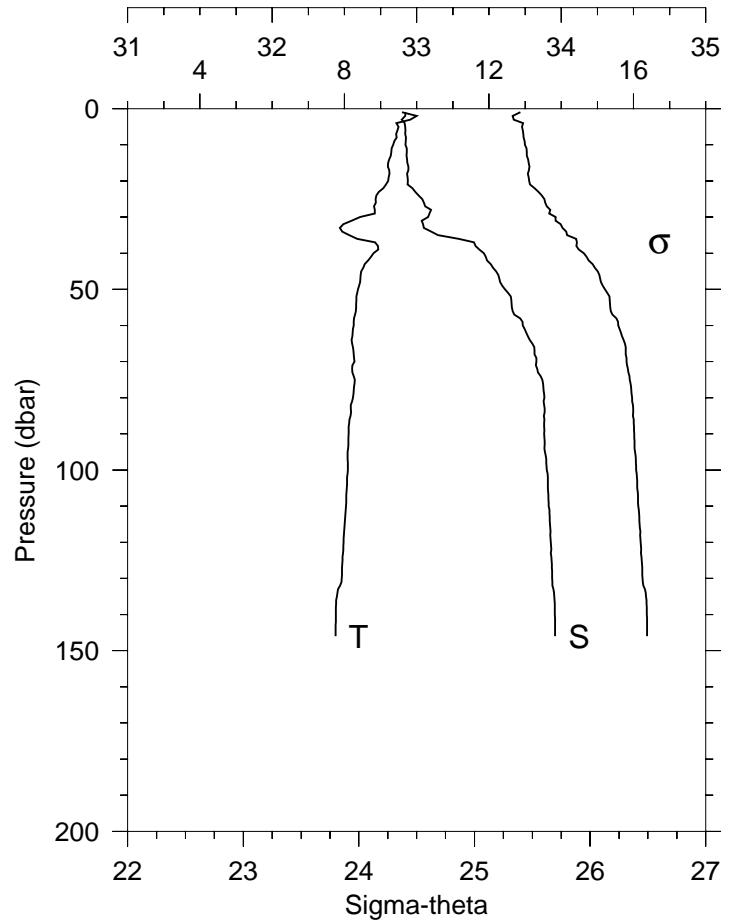
Station 33 HH-2
Temperature, Salinity



STA: 33 HH-2 LAT: 44 0.1 N LONG: 124 24.0 W
02 OCT 2002 1735 GMT DEPTH 121

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	10.27	32.973	10.27	25.324	0.026	0.47	77.4
10	10.13	33.069	10.13	25.423	0.262	0.79	77.0
20	9.75	33.283	9.75	25.653	0.504	0.37	84.2
30	8.43	33.283	8.42	25.863	0.728	0.30	86.8
40	8.34	33.548	8.34	26.084	0.930	0.28	85.3
50	8.70	33.742	8.69	26.182	1.118	0.27	86.8
60	8.51	33.795	8.50	26.253	1.298	0.16	88.2
70	8.24	33.811	8.23	26.306	1.473	0.14	87.5
80	8.13	33.848	8.12	26.351	1.642	0.23	88.3
90	8.09	33.882	8.08	26.384	1.808	0.18	86.2
100	8.11	33.921	8.10	26.413	1.971	0.17	80.7
110	8.10	33.923	8.09	26.415	2.134	0.18	77.1
116	8.09	33.925	8.08	26.418	2.231	0.21	74.9

Station 34 HH-3
Temperature, Salinity



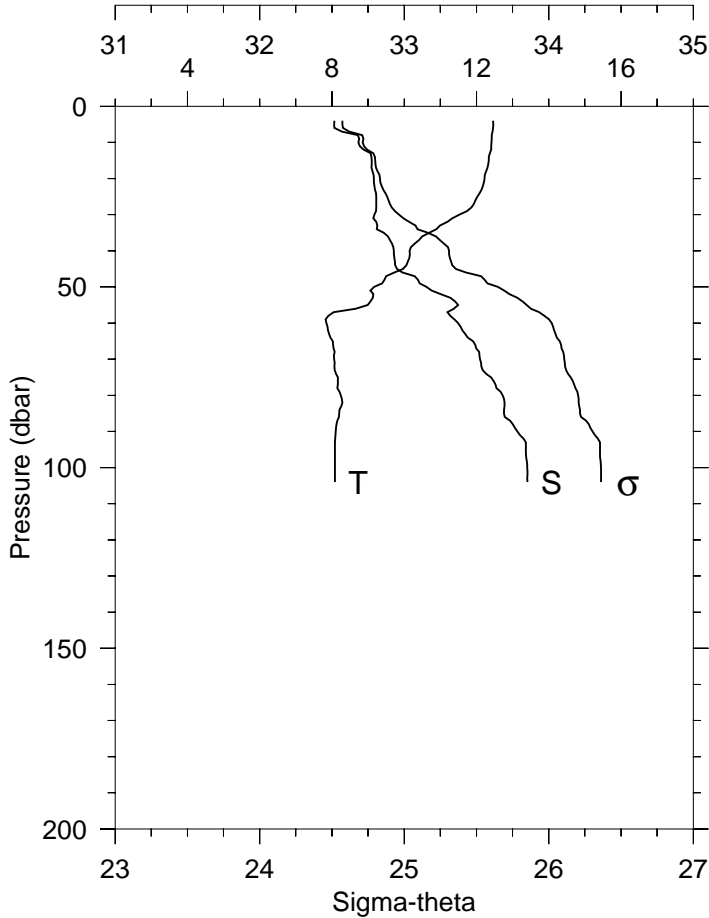
STA: 34 HH-3 LAT: 44 0.1 N LONG: 124 36.0 W
02 OCT 2002 2054 GMT DEPTH 153

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	9.60	32.922	9.59	25.397	0.026	0.31	80.4
10	9.35	32.922	9.35	25.437	0.257	0.36	81.0
20	9.21	32.939	9.21	25.472	0.508	0.38	81.4
30	8.44	33.079	8.43	25.702	0.747	0.43	84.3
40	8.81	33.464	8.80	25.946	0.965	0.19	88.6
50	8.37	33.611	8.37	26.128	1.161	0.17	88.4
60	8.26	33.735	8.25	26.244	1.344	0.14	89.1
70	8.28	33.829	8.27	26.314	1.517	0.13	89.3
80	8.24	33.883	8.23	26.363	1.686	0.13	89.4
90	8.11	33.882	8.10	26.381	1.851	0.13	89.0
100	8.09	33.901	8.08	26.399	2.016	0.13	89.0
110	8.05	33.913	8.03	26.416	2.179	0.13	86.9
120	7.97	33.927	7.96	26.437	2.340	0.13	83.1
130	7.93	33.938	7.91	26.453	2.499	0.12	86.8
140	7.76	33.956	7.75	26.491	2.656	0.15	76.1
146	7.76	33.958	7.74	26.493	2.749	0.14	72.9

AT7-21

Station 35 HH-4
Temperature, Salinity

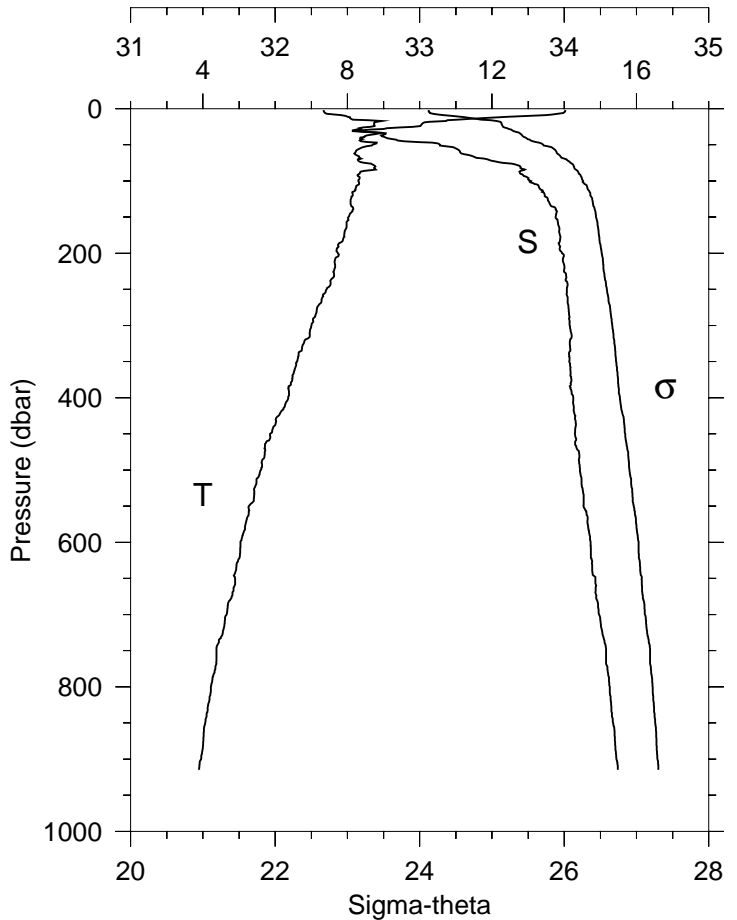
STA: 35 HH-4 LAT: 44 0.1 N LONG: 124 48.0 W
02 OCT 2002 2344 GMT DEPTH 110



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
4	12.46	32.516	12.46	24.573	0.134	0.25	84.0
10	12.41	32.683	12.41	24.713	0.332	0.28	84.3
20	12.22	32.790	12.22	24.833	0.647	0.30	85.4
30	11.52	32.793	11.52	24.964	0.954	0.28	86.8
40	10.15	32.929	10.15	25.311	1.235	0.18	88.8
50	9.17	33.153	9.16	25.647	1.490	0.16	89.3
60	7.85	33.373	7.84	26.020	1.705	0.20	88.1
70	8.06	33.524	8.05	26.107	1.900	0.20	88.1
80	8.24	33.681	8.24	26.203	2.086	0.19	88.5
90	8.11	33.782	8.10	26.303	2.265	0.16	87.9
100	8.08	33.851	8.07	26.361	2.434	0.16	87.9
104	8.09	33.853	8.07	26.362	2.500	0.16	87.9

Station 36 HH-5
Temperature, Salinity

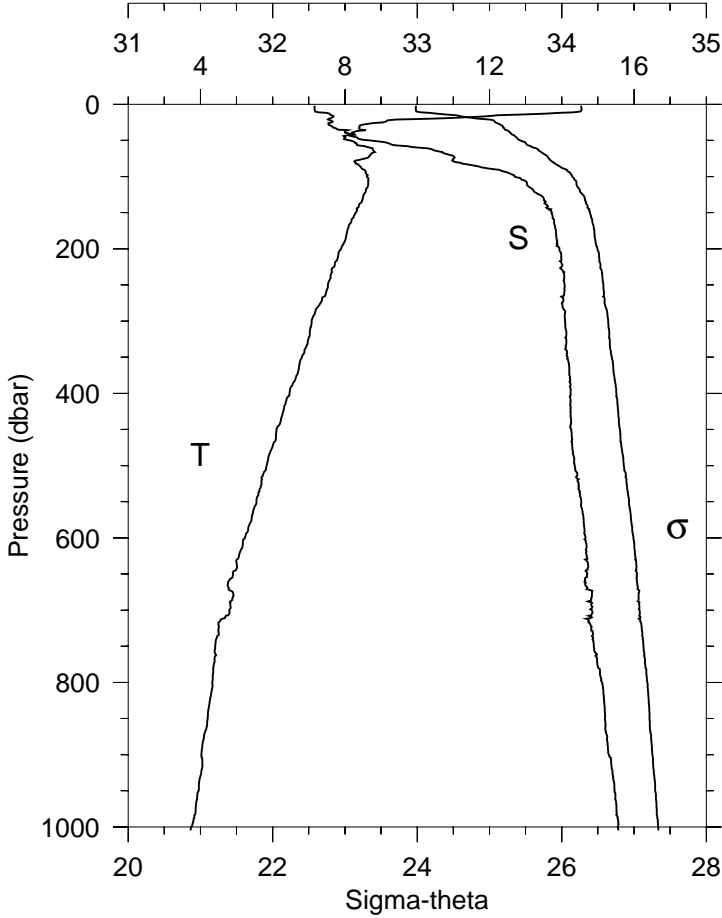
STA: 36 HH-5 LAT: 44 0.1 N LONG: 125 0.1 W
03 OCT 2002 0336 GMT DEPTH 924



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	14.03	32.336	14.03	24.125	0.076	0.28	86.0
10	12.98	32.489	12.98	24.452	0.373	0.37	85.0
20	10.09	32.684	10.08	25.131	0.681	0.30	86.3
30	8.42	32.537	8.41	25.280	0.959	0.29	88.1
40	8.36	32.764	8.35	25.466	1.218	0.17	89.5
50	8.70	33.140	8.69	25.709	1.458	0.14	89.5
60	8.23	33.279	8.22	25.891	1.675	0.12	89.8
70	8.28	33.471	8.28	26.032	1.881	0.12	89.9
80	8.77	33.697	8.77	26.135	2.074	0.12	89.8
90	8.33	33.698	8.32	26.204	2.259	0.12	89.6
100	8.31	33.769	8.30	26.263	2.438	0.12	89.4
110	8.23	33.829	8.22	26.322	2.612	0.12	89.4
120	8.15	33.866	8.14	26.363	2.781	0.11	89.2
130	8.09	33.897	8.08	26.396	2.946	0.12	89.1
140	8.15	33.941	8.13	26.423	3.110	0.12	88.6
150	8.03	33.940	8.02	26.439	3.271	0.12	88.8
175	7.91	33.970	7.90	26.481	3.667	0.12	89.0
200	7.74	33.985	7.72	26.519	4.056	0.12	89.6
225	7.62	33.998	7.60	26.546	4.437	0.12	89.8
250	7.42	34.019	7.40	26.591	4.811	0.12	89.9
275	7.16	34.030	7.14	26.636	5.176	0.12	90.1
300	7.00	34.038	6.98	26.664	5.533	0.12	90.2
350	6.59	34.035	6.56	26.718	6.227	0.12	90.3
400	6.36	34.063	6.32	26.771	6.900	0.12	90.3
450	5.86	34.074	5.82	26.843	7.544	0.12	90.5
500	5.60	34.108	5.56	26.902	8.158	0.12	89.8
600	5.04	34.183	4.99	27.028	9.306	0.12	90.2
800	4.22	34.315	4.16	27.225	11.321	0.12	90.2
915	3.90	34.370	3.83	27.302	12.333	0.12	89.8

AT7-21

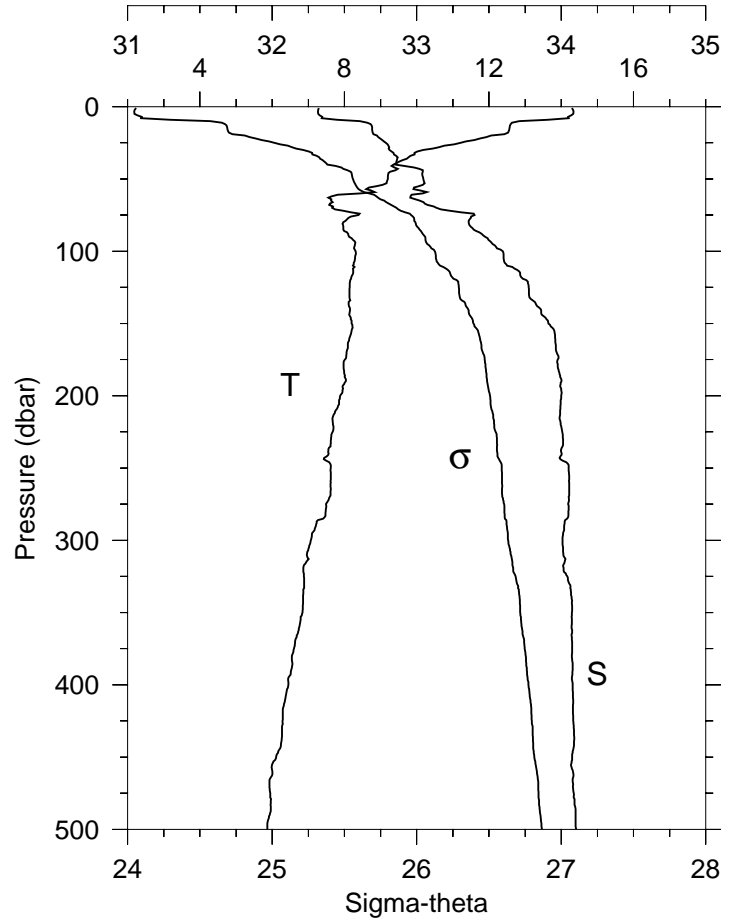
Station 37 HH-7
Temperature, Salinity



STA: 37 HH-7 LAT: 44 0.1 N LONG: 125 12.1 W
03 OCT 2002 0618 GMT DEPTH 1689

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	14.54	32.289	14.54	23.981	0.078	0.31	85.9
10	14.52	32.293	14.51	23.990	0.392	0.32	85.8
20	10.35	32.387	10.35	24.854	0.739	0.55	83.7
30	8.40	32.406	8.39	25.180	1.027	0.34	87.3
40	8.19	32.517	8.19	25.297	1.300	0.28	88.3
50	8.13	32.666	8.12	25.424	1.561	0.20	89.2
60	8.67	33.001	8.66	25.605	1.808	0.14	89.8
70	8.71	33.228	8.70	25.777	2.037	0.12	90.0
80	8.28	33.267	8.27	25.874	2.255	0.12	90.1
90	8.50	33.541	8.49	26.055	2.460	0.12	90.1
100	8.61	33.674	8.60	26.143	2.651	0.12	90.0
110	8.64	33.759	8.63	26.205	2.853	0.12	90.0
120	8.58	33.804	8.56	26.250	3.033	0.12	90.0
130	8.49	33.874	8.48	26.318	3.208	0.12	90.0
140	8.39	33.901	8.37	26.355	3.379	0.12	90.0
150	8.30	33.932	8.28	26.393	3.546	0.12	90.0
175	8.07	33.959	8.05	26.449	3.952	0.12	90.0
200	7.89	33.984	7.87	26.495	4.349	0.12	89.9
225	7.69	33.996	7.67	26.534	4.734	0.12	89.9
250	7.53	34.020	7.51	26.576	5.111	0.12	90.0
275	7.32	34.001	7.29	26.592	5.483	0.12	89.8
300	7.08	34.023	7.05	26.643	5.846	0.12	89.8
350	6.81	34.040	6.77	26.693	6.556	0.12	90.2
400	6.47	34.061	6.43	26.756	7.238	0.12	90.4
450	6.11	34.065	6.07	26.805	7.897	0.12	90.4
500	5.83	34.089	5.79	26.860	8.534	0.12	90.4
600	5.23	34.165	5.18	26.993	9.719	0.12	90.4
800	4.32	34.279	4.26	27.185	11.809	0.12	90.5
1000	3.74	34.387	3.67	27.332	13.590	0.12	90.3
1005	3.73	34.391	3.65	27.337	13.631	0.11	90.4

Station 38 HH-9
Temperature, Salinity

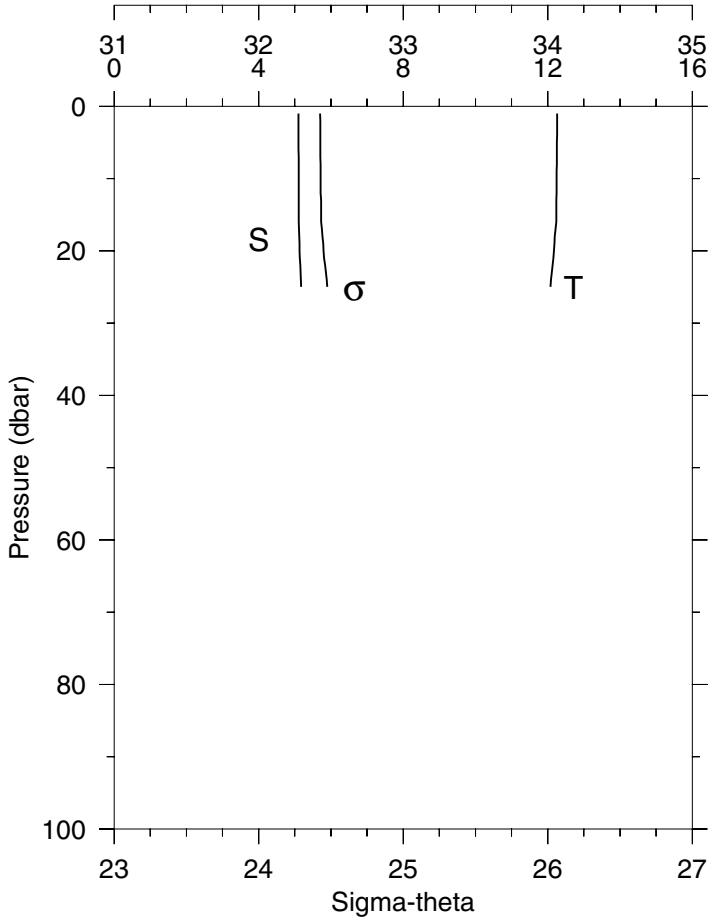


STA: 38 HH-9 LAT: 44 0.1 N LONG: 125 24.0 W
03 OCT 2002 0827 GMT DEPTH 3029

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	14.29	32.322	14.29	24.059	0.038	0.28	86.2
10	12.84	32.606	12.84	24.571	0.380	0.40	85.9
20	12.06	32.725	12.06	24.812	0.704	0.27	87.4
30	10.18	32.812	10.18	25.214	0.998	0.24	88.4
40	9.35	32.853	9.35	25.382	1.264	0.16	89.2
50	9.20	33.046	9.19	25.558	1.510	0.14	89.6
60	8.45	33.043	8.44	25.671	1.750	0.14	89.8
70	7.66	33.136	7.65	25.860	1.973	0.12	90.2
80	7.97	33.359	7.96	25.991	2.179	0.12	90.2
90	8.13	33.474	8.12	26.058	2.378	0.12	90.2
100	8.31	33.595	8.30	26.126	2.572	0.12	90.1
110	8.23	33.626	8.22	26.162	2.760	0.12	90.2
120	8.16	33.758	8.15	26.277	2.941	0.12	90.0
130	8.14	33.777	8.13	26.295	3.115	0.12	90.2
140	8.15	33.857	8.14	26.356	3.286	0.12	90.0
150	8.20	33.912	8.18	26.392	3.453	0.12	89.7
175	8.01	33.976	7.99	26.471	3.856	0.12	89.5
200	7.88	34.000	7.86	26.508	4.248	0.12	89.7
225	7.67	34.008	7.65	26.546	4.632	0.12	89.8
250	7.62	34.052	7.60	26.589	5.008	0.12	88.9
275	7.49	34.048	7.46	26.605	5.377	0.12	89.0
300	7.07	34.009	7.04	26.633	5.742	0.12	90.4
350	6.84	34.074	6.81	26.716	6.443	0.12	89.3
400	6.45	34.080	6.41	26.773	7.115	0.12	89.6
450	6.11	34.076	6.07	26.814	7.767	0.12	89.6
500	5.87	34.104	5.82	26.867	8.397	0.12	90.1

W0212A

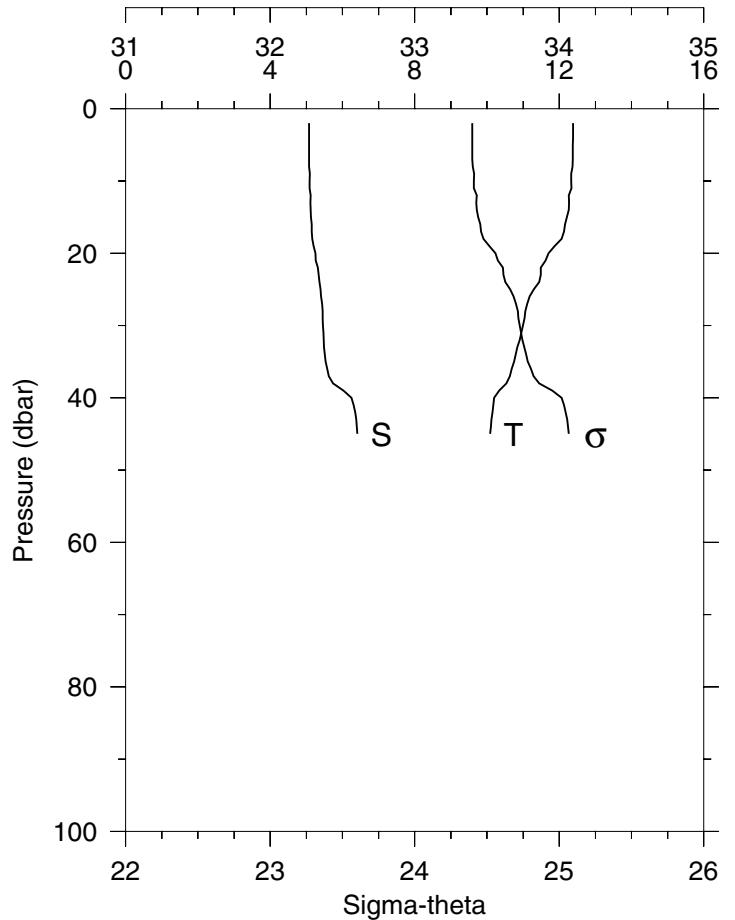
Station 1 NH-1
Temperature, Salinity



STA: 1 NH-1 LAT: 44 39.1 N LONG: 124 6.1 W
03 DEC 2002 1913 GMT DEPTH 30

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	12.26	32.275	12.26	24.425	0.035	1.54	85.9
10	12.24	32.276	12.24	24.429	0.349	1.56	85.7
20	12.17	32.283	12.17	24.449	0.698	1.35	86.3
25	12.07	32.293	12.07	24.475	0.872	1.15	86.7

Station 2 NH-3
Temperature, Salinity

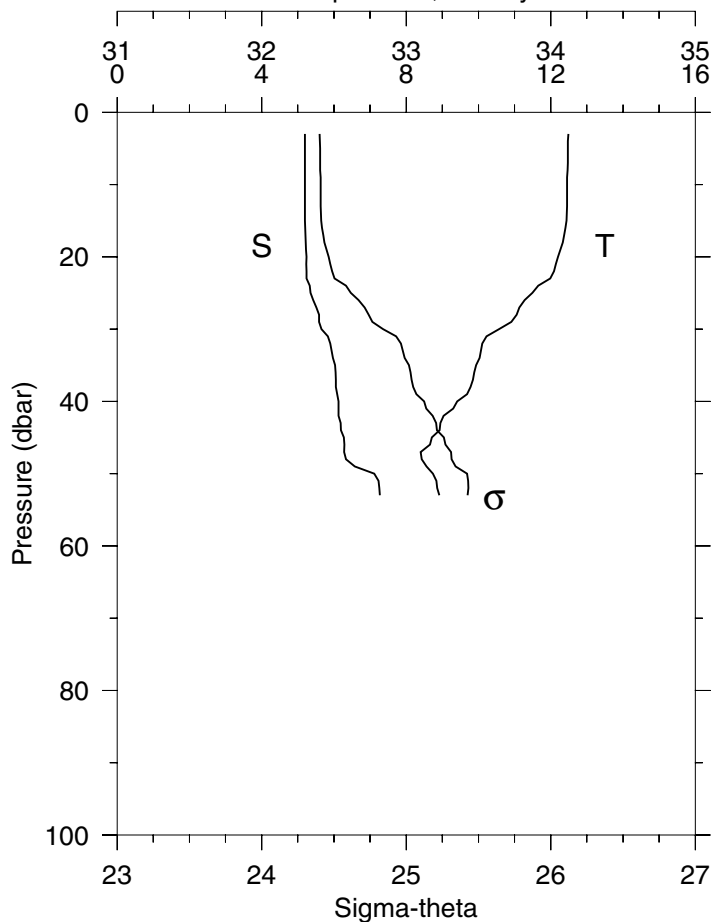


STA: 2 NH-3 LAT: 44 39.1 N LONG: 124 8.1 W
03 DEC 2002 1952 GMT DEPTH 50

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	12.38	32.269	12.38	24.398	0.070	1.25	86.1
10	12.34	32.273	12.33	24.410	0.352	2.31	86.4
20	11.70	32.314	11.70	24.559	0.699	0.70	87.8
30	11.00	32.366	10.99	24.727	1.028	0.42	89.3
40	10.20	32.563	10.20	25.017	1.341	0.29	85.6
45	10.09	32.604	10.09	25.067	1.487	0.28	83.7

W0212A

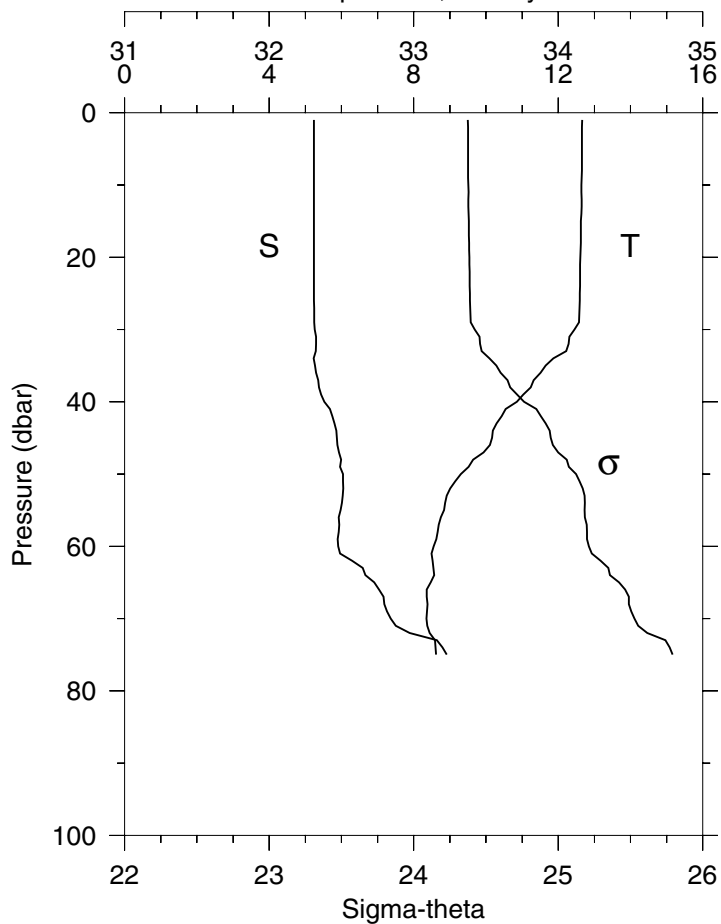
Station 3 NH-5
Temperature, Salinity



STA: 3 NH-5 LAT: 44 39.1 N LONG: 124 10.7 W
03 DEC 2002 2023 GMT DEPTH 60

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	12.49	32.299	12.49	24.401	0.106	0.85	86.4
10	12.45	32.299	12.45	24.408	0.352	1.55	86.3
20	12.20	32.310	12.20	24.464	0.702	0.93	87.0
30	10.57	32.414	10.56	24.839	1.034	0.73	89.5
40	9.41	32.532	9.40	25.123	1.329	0.26	90.2
50	8.74	32.778	8.73	25.420	1.600	0.22	87.0
53	8.91	32.818	8.91	25.424	1.677	0.26	85.1

Station 4 NH-10
Temperature, Salinity



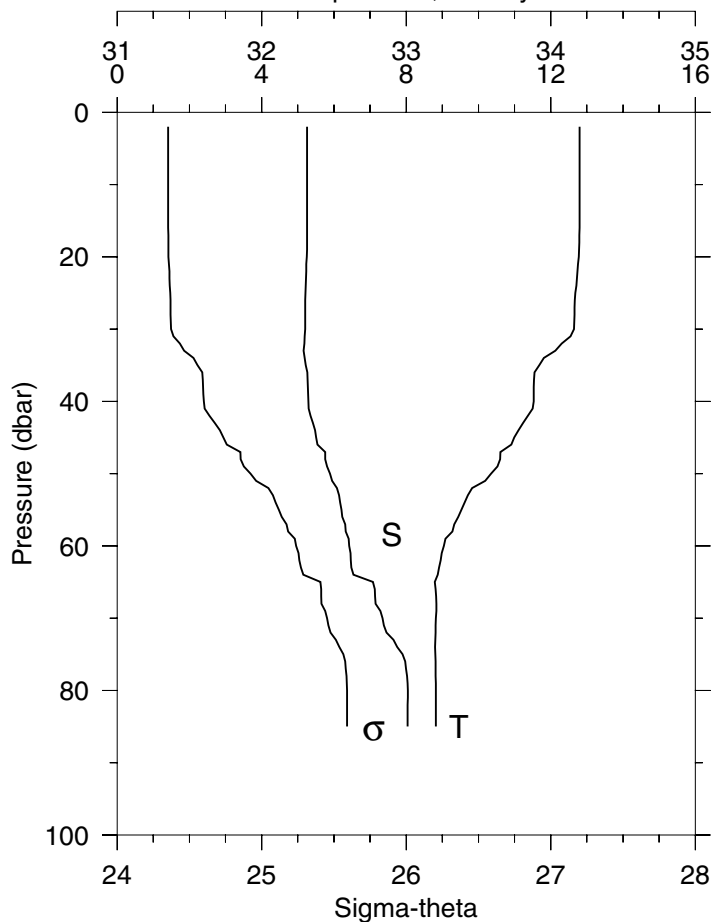
STA: 4 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W
03 DEC 2002 2138 GMT DEPTH 82

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	12.66	32.309	12.66	24.375	0.035	0.74	86.5
10	12.65	32.309	12.64	24.378	0.354	0.81	86.5
20	12.61	32.309	12.61	24.385	0.708	0.90	86.7
30	12.45	32.315	12.44	24.422	1.062	0.69	87.9
40	10.85	32.381	10.85	24.764	1.398	0.85	88.3
50	9.30	32.511	9.30	25.123	1.698	0.26	90.4
60	8.56	32.477	8.55	25.212	1.977	0.22	90.5
70	8.36	32.842	8.35	25.528	2.235	0.19	90.3
75	8.62	33.228	8.61	25.792	2.351	0.20	85.8

W0212A

Station 5 NH-15
Temperature, Salinity

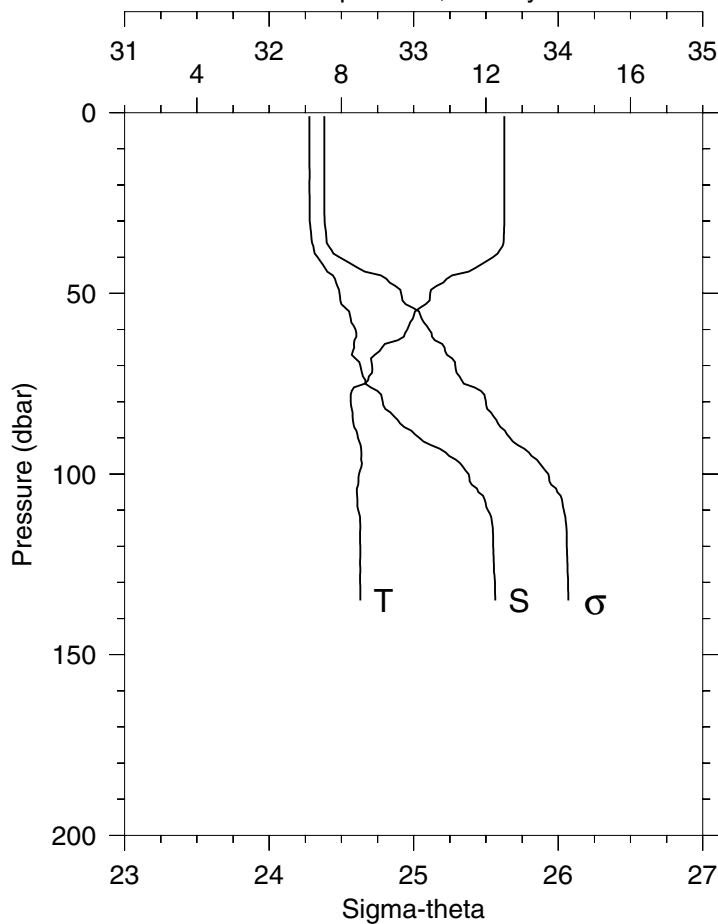
STA: 5 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W
03 DEC 2002 2228 GMT DEPTH 92



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	12.80	32.314	12.80	24.353	0.071	1.04	85.9
10	12.80	32.314	12.80	24.353	0.357	0.95	85.9
20	12.78	32.312	12.77	24.355	0.713	1.64	85.9
30	12.64	32.300	12.64	24.373	1.069	0.81	87.5
40	11.52	32.323	11.52	24.599	1.410	1.14	87.6
50	10.35	32.473	10.35	24.922	1.730	0.35	89.9
60	9.04	32.606	9.03	25.239	2.015	0.23	90.3
70	8.82	32.836	8.81	25.453	2.278	0.19	89.7
80	8.82	33.011	8.81	25.590	2.523	0.19	89.0
85	8.82	33.010	8.81	25.590	2.643	0.19	88.9

Station 6 NH-20
Temperature, Salinity

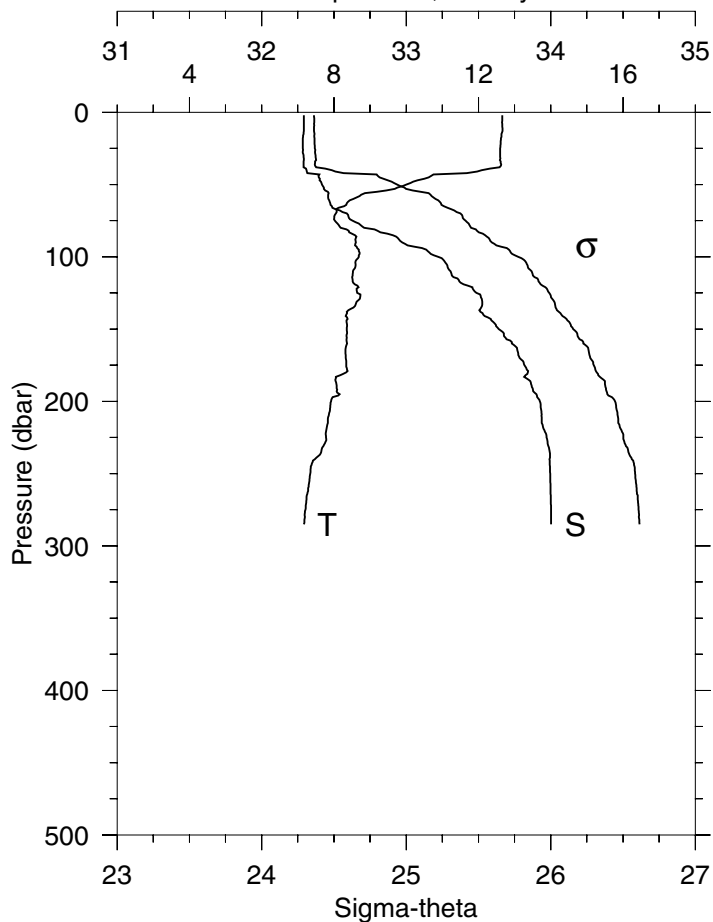
STA: 6 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W
03 DEC 2002 2333 GMT DEPTH 141



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	12.51	32.279	12.51	24.382	0.035	0.88	87.6
10	12.51	32.279	12.51	24.382	0.354	0.88	87.6
20	12.51	32.279	12.51	24.382	0.708	0.87	87.6
30	12.51	32.281	12.51	24.383	1.062	0.81	87.9
40	12.19	32.335	12.18	24.487	1.414	0.48	89.5
50	10.46	32.487	10.45	24.914	1.736	0.26	90.0
60	9.82	32.598	9.82	25.107	2.031	0.21	90.4
70	8.85	32.630	8.84	25.288	2.308	0.18	90.7
80	8.26	32.785	8.25	25.499	2.567	0.17	90.7
90	8.46	33.038	8.45	25.666	2.809	0.18	90.1
100	8.49	33.380	8.48	25.931	3.028	0.17	90.0
110	8.46	33.512	8.45	26.038	3.231	0.16	89.5
120	8.52	33.550	8.51	26.059	3.428	0.17	87.0
130	8.52	33.562	8.51	26.069	3.624	0.19	86.4
135	8.52	33.564	8.51	26.070	3.721	0.17	86.4

W0212A

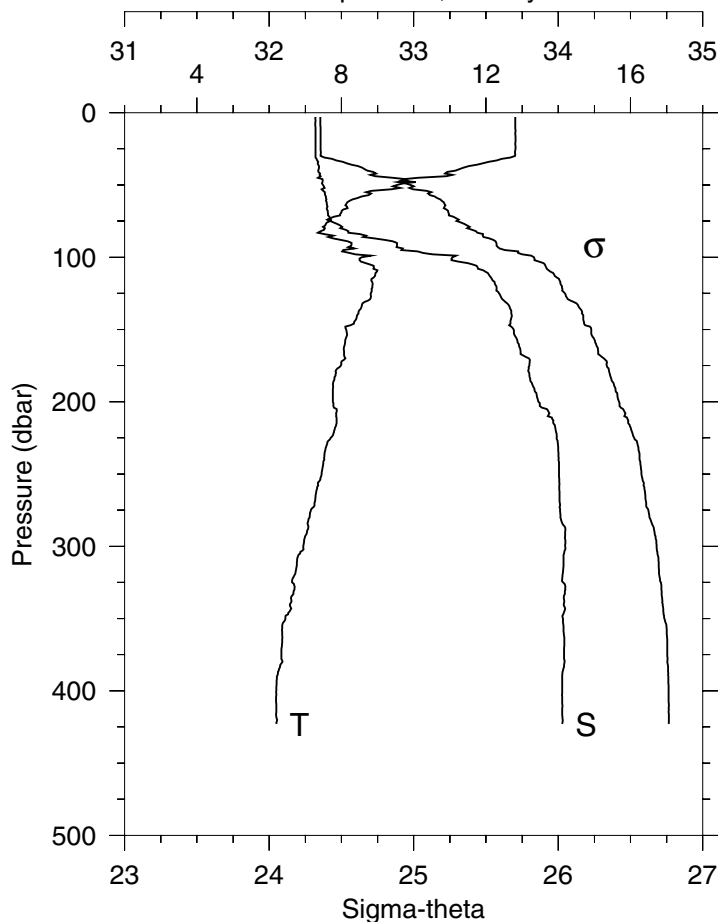
Station 7 NH-25
Temperature, Salinity



STA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W
04 DEC 2002 0043 GMT DEPTH 296

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	12.66	32.291	12.66	24.362	0.071	0.79	87.8
10	12.66	32.292	12.66	24.362	0.356	0.76	87.9
20	12.62	32.284	12.61	24.365	0.711	0.73	88.0
30	12.60	32.289	12.60	24.372	1.067	0.69	88.2
40	12.09	32.311	12.08	24.486	1.421	0.49	89.0
50	10.00	32.418	9.99	24.938	1.739	0.27	90.3
60	8.53	32.462	8.52	25.204	2.026	0.19	90.6
70	8.05	32.588	8.04	25.374	2.296	0.17	90.7
80	8.18	32.709	8.18	25.449	2.553	0.17	90.7
90	8.61	32.972	8.60	25.592	2.798	0.16	90.6
100	8.69	33.221	8.68	25.776	3.029	0.16	90.4
110	8.52	33.307	8.51	25.868	3.246	0.16	90.1
120	8.65	33.427	8.64	25.943	3.458	0.17	89.8
130	8.68	33.525	8.66	26.016	3.661	0.17	89.1
140	8.34	33.534	8.33	26.074	3.859	0.17	89.8
150	8.35	33.640	8.34	26.156	4.050	0.16	89.6
175	8.34	33.817	8.32	26.297	4.500	0.15	89.8
200	7.92	33.924	7.90	26.444	4.921	0.15	89.9
225	7.78	33.971	7.76	26.502	5.318	0.16	89.8
250	7.34	33.996	7.32	26.584	5.697	0.16	89.7
275	7.21	34.002	7.19	26.607	6.066	0.16	90.0
285	7.17	34.003	7.14	26.614	6.212	0.15	89.8

Station 8 NH-35
Temperature, Salinity

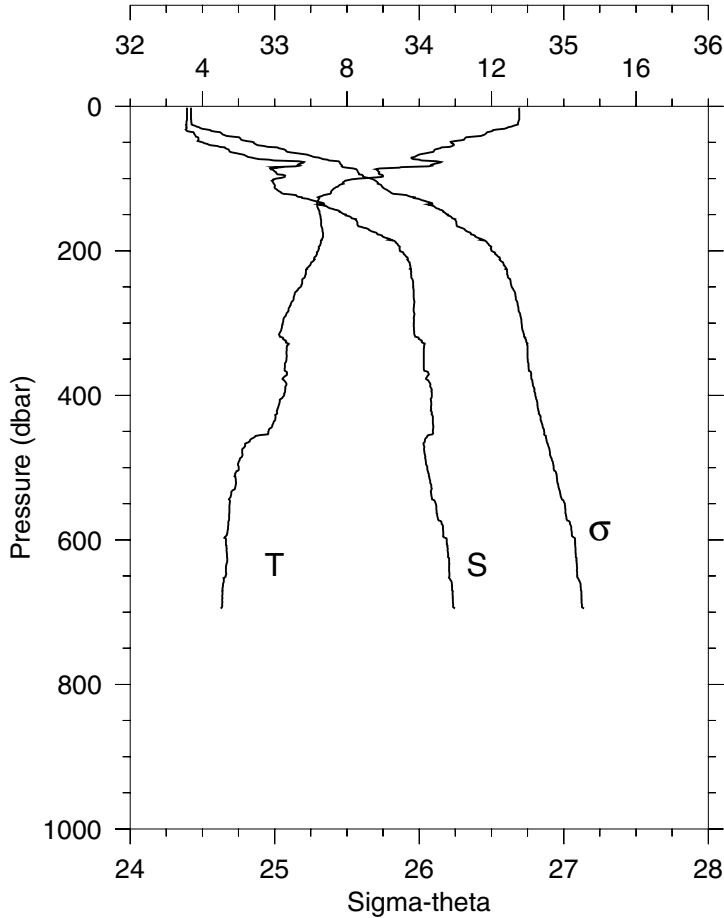


STA: 8 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W
04 DEC 2002 1312 GMT DEPTH 437

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	12.81	32.320	12.81	24.354	0.107	0.60	88.3
10	12.81	32.321	12.81	24.356	0.356	0.61	88.2
20	12.81	32.321	12.81	24.355	0.713	0.64	88.3
30	12.81	32.320	12.80	24.356	1.070	0.66	88.4
40	11.15	32.340	11.15	24.678	1.410	0.32	90.1
50	9.53	32.373	9.53	24.979	1.721	0.25	90.5
60	8.31	32.396	8.31	25.185	2.010	0.22	90.7
70	7.97	32.408	7.96	25.244	2.285	0.20	90.8
80	7.54	32.492	7.53	25.371	2.551	0.16	90.9
90	8.28	32.883	8.27	25.572	2.801	0.15	90.8
100	8.56	33.269	8.55	25.832	3.034	0.14	90.6
110	8.98	33.496	8.97	25.946	3.246	0.14	90.6
120	8.86	33.572	8.85	26.025	3.448	0.15	90.7
130	8.75	33.624	8.73	26.083	3.646	0.15	90.6
140	8.44	33.678	8.42	26.173	3.835	0.15	90.7
150	8.13	33.692	8.12	26.229	4.019	0.14	90.9
175	7.99	33.800	7.97	26.336	4.460	0.15	90.8
200	7.76	33.864	7.74	26.420	4.877	0.15	90.9
225	7.71	33.988	7.68	26.526	5.273	0.15	90.0
250	7.45	34.006	7.43	26.576	5.649	0.15	89.5
275	7.16	34.012	7.13	26.623	6.017	0.16	90.2
300	6.95	34.048	6.92	26.680	6.372	0.16	90.4
350	6.45	34.033	6.42	26.735	7.060	0.15	90.3
400	6.20	34.027	6.16	26.764	7.727	0.15	90.2
423	6.20	34.028	6.17	26.764	8.032	0.15	89.4

W0212A

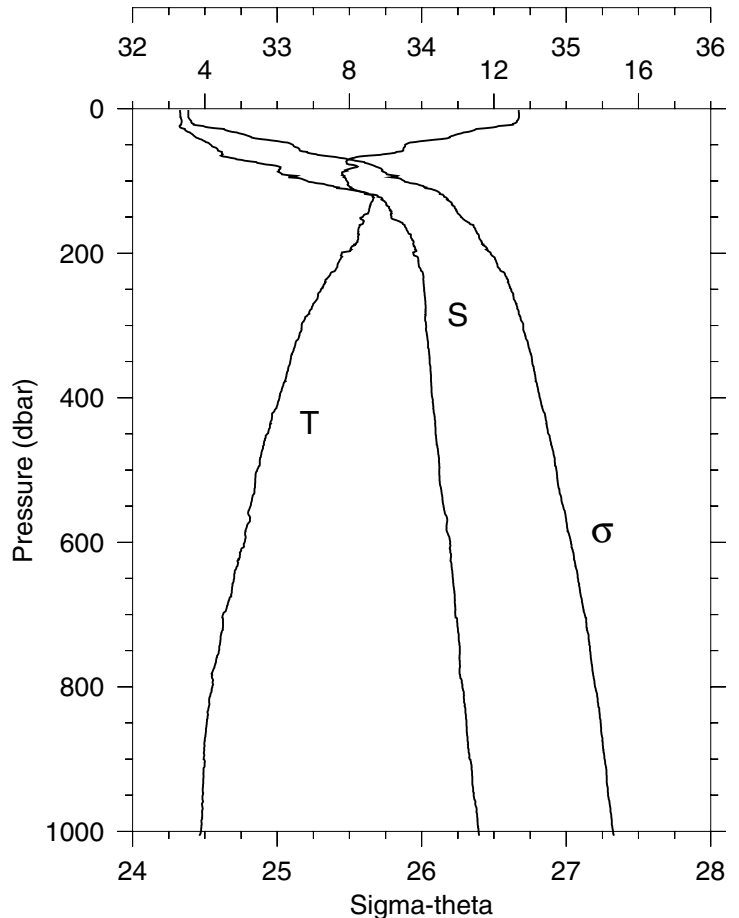
Station 9 NH-45
Temperature, Salinity



STA: 9 NH-45 LAT: 44 39.1 N LONG: 125 7.1 W
04 DEC 2002 1457 GMT DEPTH 702

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	12.77	32.393	12.77	24.420	0.070	0.61	88.7
10	12.77	32.394	12.77	24.421	0.350	0.59	88.7
20	12.75	32.391	12.75	24.422	0.700	0.59	88.8
30	12.43	32.391	12.43	24.484	1.049	0.52	89.3
40	11.77	32.450	11.76	24.654	1.385	0.38	89.8
50	10.88	32.502	10.87	24.854	1.703	0.33	90.1
60	10.44	32.681	10.43	25.069	2.005	0.23	90.0
70	9.87	32.815	9.86	25.270	2.286	0.19	90.1
80	10.38	33.165	10.37	25.456	2.545	0.17	89.9
90	8.86	32.998	8.85	25.574	2.793	0.14	90.7
100	8.32	33.011	8.31	25.666	3.032	0.14	90.8
110	7.77	33.002	7.76	25.740	3.261	0.14	90.9
120	7.56	33.047	7.55	25.806	3.485	0.14	91.0
130	7.20	33.256	7.19	26.019	3.693	0.14	91.0
140	7.19	33.370	7.18	26.111	3.887	0.13	91.1
150	7.26	33.493	7.24	26.199	4.074	0.13	91.1
175	7.33	33.704	7.32	26.354	4.517	0.14	91.1
200	7.21	33.866	7.19	26.500	4.918	0.14	91.0
225	6.90	33.936	6.88	26.597	5.293	0.15	91.1
250	6.72	33.958	6.69	26.640	5.654	0.15	91.1
275	6.44	33.964	6.42	26.681	6.005	0.15	91.1
300	6.22	33.962	6.19	26.708	6.349	0.15	91.1
350	6.32	34.032	6.29	26.751	7.022	0.16	91.0
400	6.26	34.087	6.22	26.803	7.679	0.16	91.0
450	5.82	34.095	5.79	26.864	8.312	0.15	91.1
500	5.00	34.056	4.96	26.931	8.912	0.15	91.2
600	4.65	34.191	4.60	27.078	10.021	0.15	91.0
695	4.50	34.248	4.45	27.141	10.992	0.15	90.8

Station 10 NH-55
Temperature, Salinity



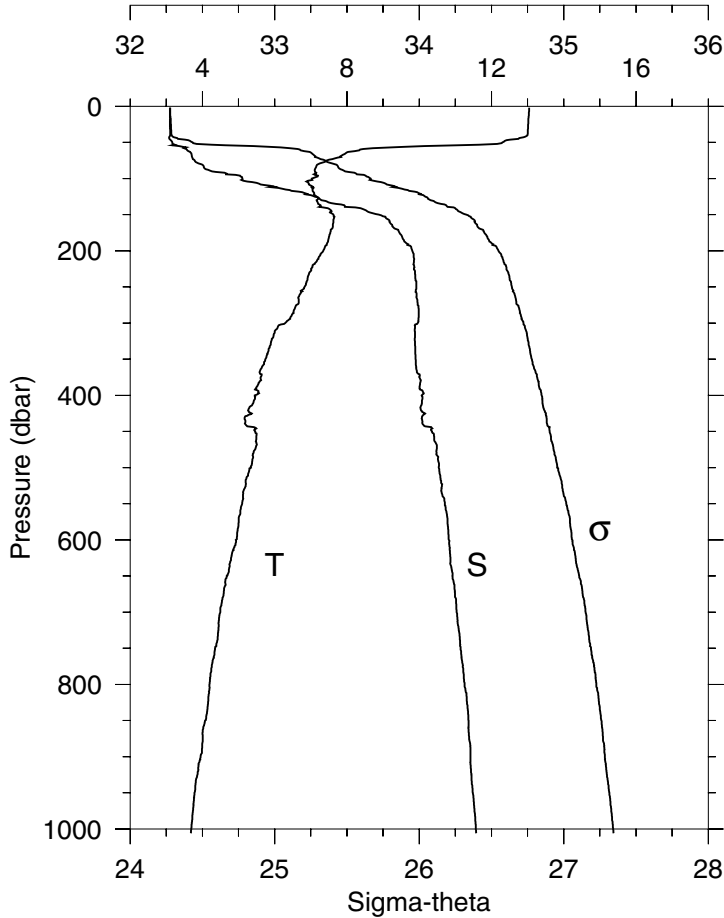
STA: 10 NH-55 LAT: 44 39.1 N LONG: 125 22.0 W
04 DEC 2002 1649 GMT DEPTH 2875

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	12.69	32.330	12.69	24.386	0.071	0.87	88.0
10	12.69	32.330	12.69	24.386	0.353	1.20	88.1
20	12.59	32.337	12.59	24.410	0.706	0.92	88.5
30	11.44	32.365	11.44	24.647	1.047	1.43	88.5
40	10.77	32.438	10.77	24.822	1.367	0.36	89.8
50	9.54	32.541	9.54	25.108	1.664	0.22	90.3
60	9.30	32.618	9.29	25.208	1.946	0.29	90.4
70	7.99	32.722	7.98	25.488	2.210	0.17	90.8
80	8.23	33.013	8.22	25.682	2.448	0.17	90.8
90	7.80	33.031	7.80	25.757	2.676	0.15	90.9
100	7.93	33.209	7.92	25.879	2.894	0.15	90.9
110	8.04	33.418	8.03	26.028	3.098	0.15	90.9
120	8.66	33.694	8.65	26.151	3.290	0.15	90.8
130	8.60	33.753	8.59	26.206	3.475	0.15	90.7
140	8.54	33.784	8.53	26.240	3.657	0.16	90.7
150	8.37	33.789	8.35	26.271	3.835	0.16	90.7
175	8.26	33.926	8.24	26.395	4.260	0.16	90.6
200	7.78	33.942	7.76	26.478	4.666	0.16	90.8
225	7.58	34.001	7.56	26.554	5.052	0.16	90.8
250	7.21	34.019	7.18	26.620	5.420	0.16	91.0
275	6.96	34.027	6.94	26.662	5.778	0.15	91.0
300	6.68	34.031	6.65	26.703	6.127	0.16	91.1
350	6.36	34.056	6.33	26.764	6.801	0.16	91.1
400	6.06	34.074	6.03	26.818	7.451	0.15	91.1
450	5.72	34.096	5.68	26.877	8.075	0.15	91.2
500	5.45	34.122	5.41	26.932	8.673	0.15	91.1
600	5.10	34.198	5.05	27.034	9.809	0.16	91.2
800	4.20	34.282	4.14	27.200	11.821	0.15	91.2
1000	3.89	34.394	3.81	27.324	13.583	0.15	91.1
1006	3.85	34.397	3.77	27.330	13.633	0.15	91.2

W0212A

Station 11 NH-65
Temperature, Salinity

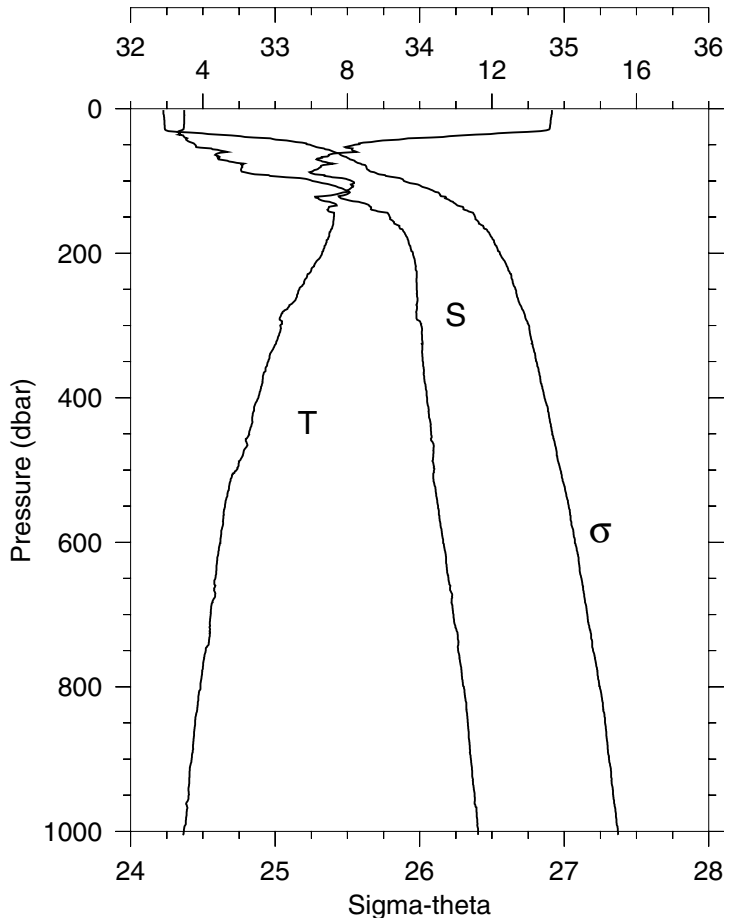
STA: 11 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W
04 DEC 2002 1855 GMT DEPTH 2871



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.04	32.275	13.04	24.276	0.073	0.72	86.9
10	13.04	32.275	13.03	24.277	0.364	2.06	86.7
20	13.02	32.275	13.02	24.280	0.728	1.87	86.6
30	13.01	32.276	13.01	24.283	1.092	1.81	86.7
40	12.99	32.277	12.99	24.287	1.455	1.65	86.6
50	12.30	32.291	12.30	24.431	1.813	1.63	87.2
60	8.37	32.391	8.36	25.173	2.128	0.18	90.7
70	7.84	32.428	7.83	25.279	2.400	0.14	91.0
80	7.20	32.490	7.19	25.416	2.663	0.14	91.0
90	7.11	32.566	7.10	25.488	2.917	0.13	91.0
100	7.03	32.776	7.02	25.664	3.156	0.13	91.0
110	7.01	32.970	7.00	25.820	3.383	0.13	91.0
120	7.09	33.205	7.08	25.994	3.594	0.13	91.0
130	7.16	33.323	7.15	26.078	3.792	0.14	91.0
140	7.34	33.558	7.32	26.239	3.979	0.13	91.0
150	7.62	33.719	7.61	26.325	4.155	0.14	91.1
175	7.54	33.863	7.52	26.451	4.568	0.15	91.1
200	7.34	33.953	7.32	26.549	4.957	0.16	91.1
225	7.01	33.964	6.99	26.604	5.327	0.15	91.1
250	6.83	33.979	6.80	26.641	5.687	0.15	91.2
275	6.60	33.990	6.58	26.681	6.039	0.15	91.2
300	6.28	33.989	6.26	26.721	6.383	0.15	91.1
350	5.74	33.975	5.72	26.778	7.046	0.15	91.1
400	5.44	34.017	5.41	26.848	7.682	0.15	91.2
450	5.47	34.089	5.43	26.903	8.292	0.15	91.2
500	5.34	34.135	5.30	26.954	8.879	0.15	91.2
600	4.92	34.205	4.88	27.059	9.978	0.15	91.2
800	4.20	34.313	4.14	27.225	11.941	0.15	91.2
1000	3.69	34.392	3.62	27.341	13.661	0.15	91.2
1006	3.68	34.395	3.60	27.345	13.710	0.15	91.2

Station 12 NH-85
Temperature, Salinity

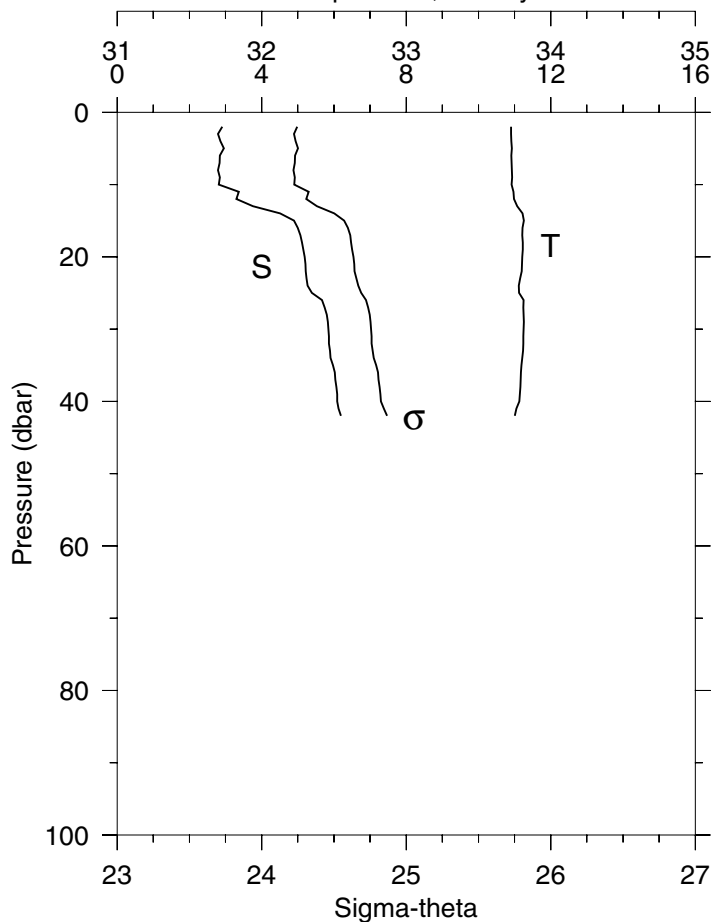
STA: 12 NH-85 LAT: 44 39.2 N LONG: 126 3.0 W
04 DEC 2002 2200 GMT DEPTH 2895



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.66	32.371	13.66	24.226	0.074	0.59	89.1
10	13.65	32.371	13.64	24.230	0.369	0.45	88.9
20	13.62	32.370	13.62	24.234	0.737	0.75	88.8
30	13.50	32.353	13.50	24.245	1.105	2.06	88.4
40	10.31	32.374	10.31	24.851	1.444	0.21	90.1
50	8.20	32.447	8.20	25.241	1.731	0.15	90.9
60	8.26	32.669	8.25	25.407	1.995	0.15	91.0
70	7.14	32.609	7.14	25.518	2.246	0.14	90.9
80	7.26	32.773	7.26	25.630	2.487	0.15	91.0
90	7.05	32.837	7.04	25.709	2.721	0.14	90.9
100	8.11	33.258	8.11	25.891	2.939	0.15	90.9
110	8.09	33.459	8.08	26.052	3.143	0.15	90.9
120	7.54	33.472	7.53	26.142	3.335	0.14	91.0
130	7.57	33.595	7.55	26.235	3.518	0.13	91.0
140	7.44	33.667	7.43	26.309	3.694	0.14	91.1
150	7.63	33.793	7.61	26.383	3.862	0.14	91.1
175	7.49	33.903	7.48	26.488	4.265	0.16	91.1
200	7.30	33.953	7.28	26.555	4.648	0.15	91.1
225	6.99	33.980	6.97	26.619	5.016	0.16	91.1
250	6.67	33.980	6.65	26.663	5.372	0.15	91.1
275	6.36	33.981	6.33	26.705	5.719	0.15	91.2
300	6.14	34.010	6.11	26.756	6.056	0.15	91.1
350	5.80	34.022	5.78	26.808	6.706	0.15	91.2
400	5.54	34.051	5.50	26.864	7.332	0.15	91.2
450	5.28	34.079	5.24	26.918	7.932	0.15	91.2
500	4.93	34.100	4.89	26.974	8.510	0.15	91.2
600	4.48	34.162	4.44	27.074	9.590	0.15	91.3
800	3.93	34.306	3.88	27.247	11.518	0.15	91.3
1000	3.47	34.403	3.40	27.371	13.180	0.15	91.3
1005	3.44	34.403	3.37	27.374	13.219	0.15	91.3

W0302A

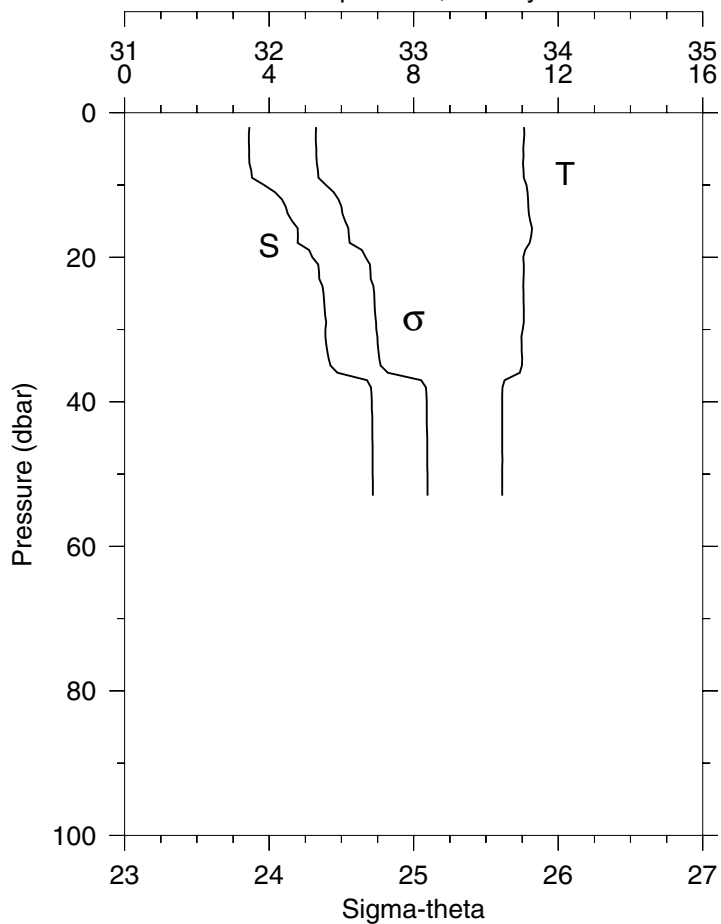
Station 1 NH-3
Temperature, Salinity



STA: 1 NH-3 LAT: 44 39.1 N LONG: 124 7.9 W
14 FEB 2003 1915 GMT DEPTH 48

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.90	31.727	10.90	24.245	0.073	1.31	83.1
10	10.91	31.704	10.91	24.226	0.368	1.56	82.4
20	11.21	32.297	11.21	24.635	0.711	0.42	88.3
30	11.25	32.461	11.24	24.756	1.035	0.38	84.6
40	11.13	32.522	11.13	24.824	1.351	0.30	85.7
42	11.00	32.548	11.00	24.868	1.413	0.29	83.7

Station 2 NH-5
Temperature, Salinity

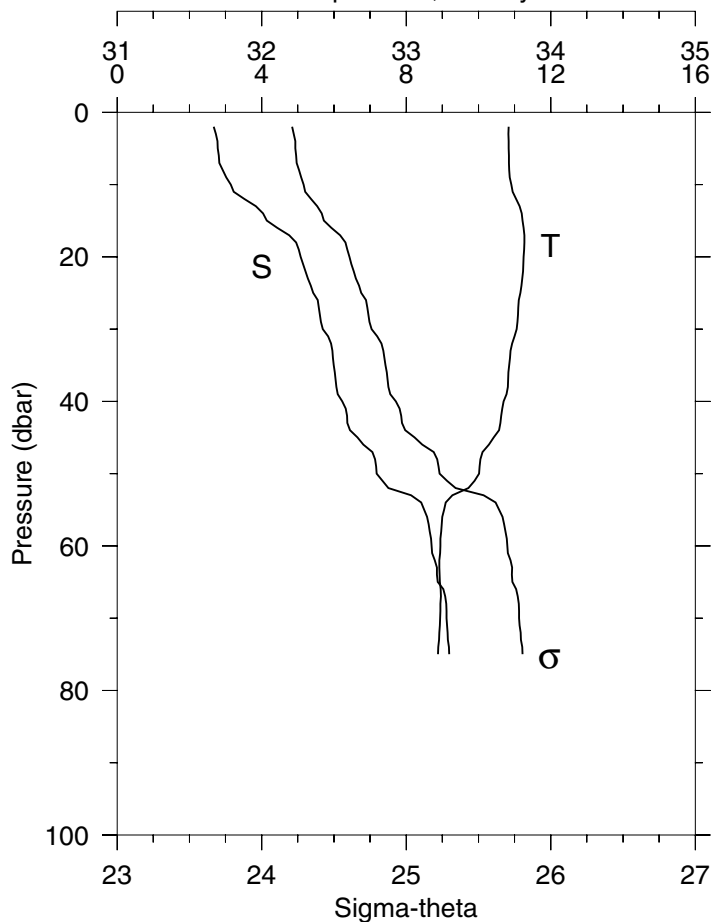


STA: 2 NH-5 LAT: 44 39.1 N LONG: 124 10.7 W
14 FEB 2003 1956 GMT DEPTH 59

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.06	31.863	11.06	24.324	0.072	1.19	82.3
10	11.12	31.964	11.12	24.392	0.359	1.36	83.0
20	11.03	32.299	11.03	24.668	0.699	0.56	88.2
30	11.02	32.389	11.02	24.741	1.021	0.32	89.0
40	10.45	32.711	10.45	25.090	1.328	0.27	83.5
50	10.45	32.716	10.44	25.095	1.615	0.28	83.4
53	10.45	32.717	10.44	25.096	1.701	0.25	83.4

W0302A

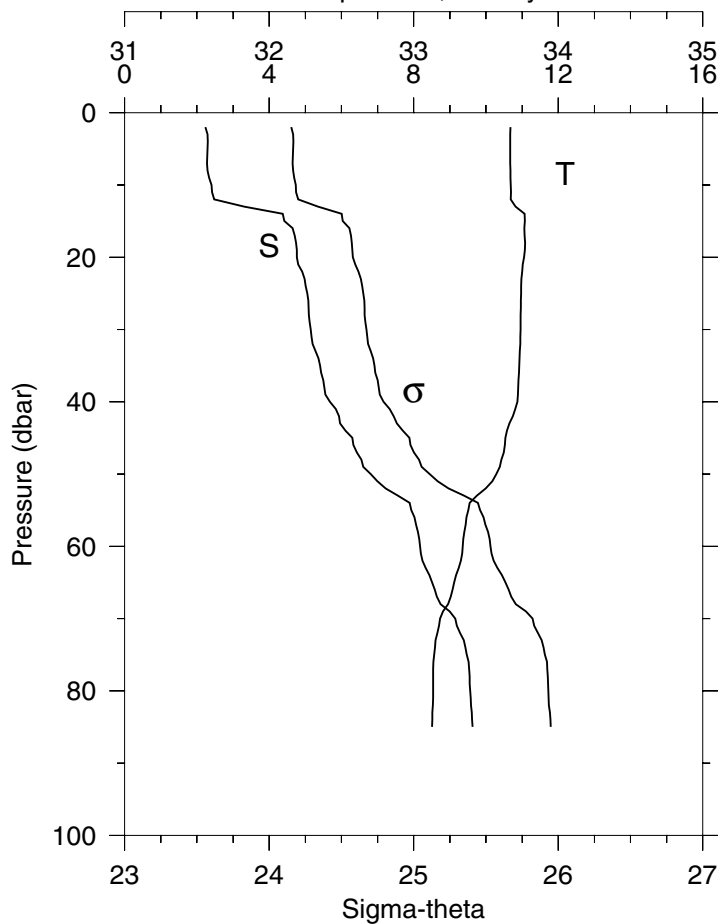
Station 3 NH-10
Temperature, Salinity



STA: 3 NH-10 LAT: 44 39.2 N LONG: 124 17.8 W
14 FEB 2003 2138 GMT DEPTH 80

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.84	31.668	10.84	24.211	0.074	1.78	78.1
10	10.91	31.786	10.91	24.290	0.368	1.64	81.9
20	11.25	32.270	11.25	24.607	0.715	0.63	87.0
30	11.06	32.423	11.05	24.760	1.040	0.36	87.6
40	10.69	32.558	10.69	24.929	1.349	0.25	87.6
50	10.02	32.796	10.01	25.230	1.638	0.20	86.6
60	8.94	33.175	8.94	25.700	1.880	0.18	85.6
70	8.94	33.279	8.93	25.781	2.105	0.19	83.4
75	8.88	33.297	8.88	25.805	2.216	0.20	83.1

Station 4 NH-15
Temperature, Salinity

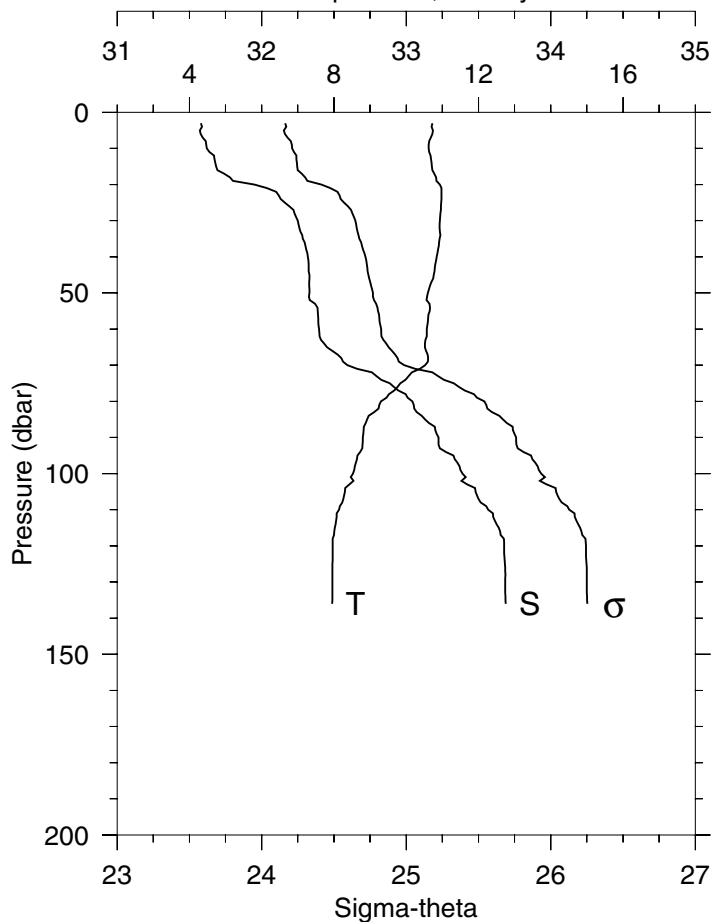


STA: 4 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W
14 FEB 2003 2238 GMT DEPTH 90

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.68	31.558	10.67	24.153	0.075	2.81	74.4
10	10.69	31.601	10.69	24.185	0.375	2.97	76.1
20	11.06	32.192	11.05	24.580	0.723	0.57	86.2
30	10.96	32.287	10.95	24.673	1.053	0.36	86.9
40	10.87	32.420	10.87	24.791	1.374	0.28	85.9
50	10.29	32.703	10.28	25.111	1.675	0.19	86.8
60	9.36	33.044	9.35	25.531	1.933	0.19	84.9
70	8.73	33.288	8.72	25.822	2.168	0.16	85.7
80	8.54	33.391	8.53	25.932	2.378	0.16	86.8
85	8.51	33.407	8.50	25.949	2.482	0.17	86.9

W0302A

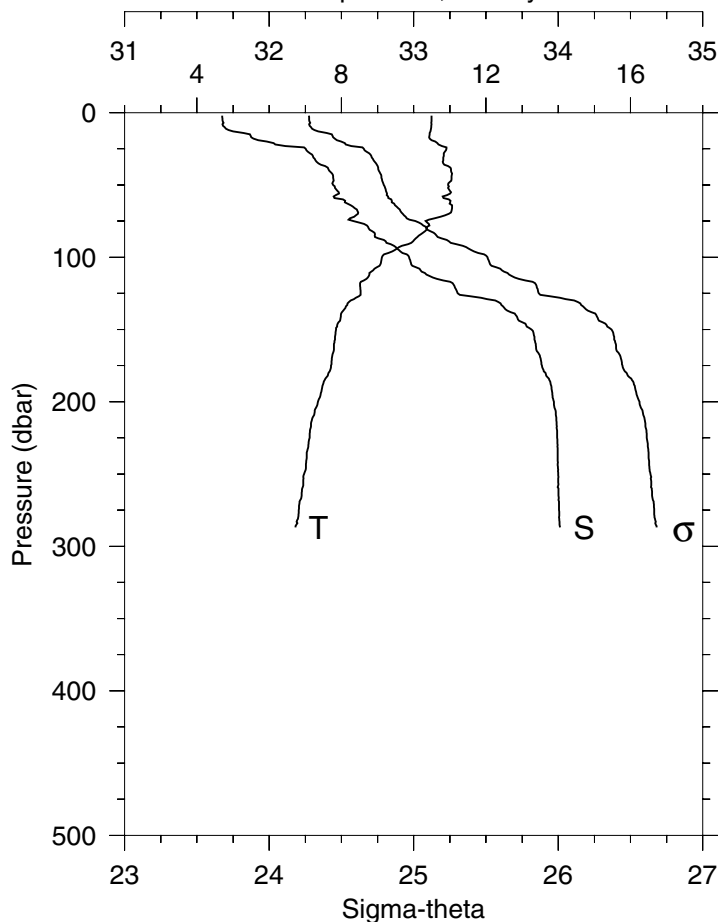
Station 5 NH-20
Temperature, Salinity



STA: 5 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W
14 FEB 2003 2344 GMT DEPTH 141

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.72	31.579	10.72	24.162	0.112	2.85	75.4
10	10.62	31.620	10.62	24.211	0.374	3.06	76.4
20	10.93	31.950	10.93	24.414	0.739	1.39	85.2
30	10.93	32.249	10.93	24.647	1.075	0.43	88.2
40	10.85	32.320	10.84	24.718	1.401	0.31	87.7
50	10.60	32.331	10.60	24.769	1.722	0.25	88.9
60	10.57	32.397	10.56	24.826	2.037	0.20	88.4
70	10.52	32.593	10.52	24.986	2.344	0.21	87.5
80	9.30	33.042	9.29	25.540	2.611	0.18	85.9
90	8.80	33.223	8.79	25.760	2.845	0.15	86.3
100	8.52	33.390	8.51	25.933	3.061	0.15	86.0
110	8.14	33.566	8.13	26.128	3.260	0.16	87.0
120	7.96	33.678	7.95	26.243	3.443	0.16	86.5
130	7.96	33.685	7.94	26.250	3.622	0.15	86.4
136	7.95	33.688	7.94	26.253	3.728	0.16	86.4

Station 6 NH-25
Temperature, Salinity



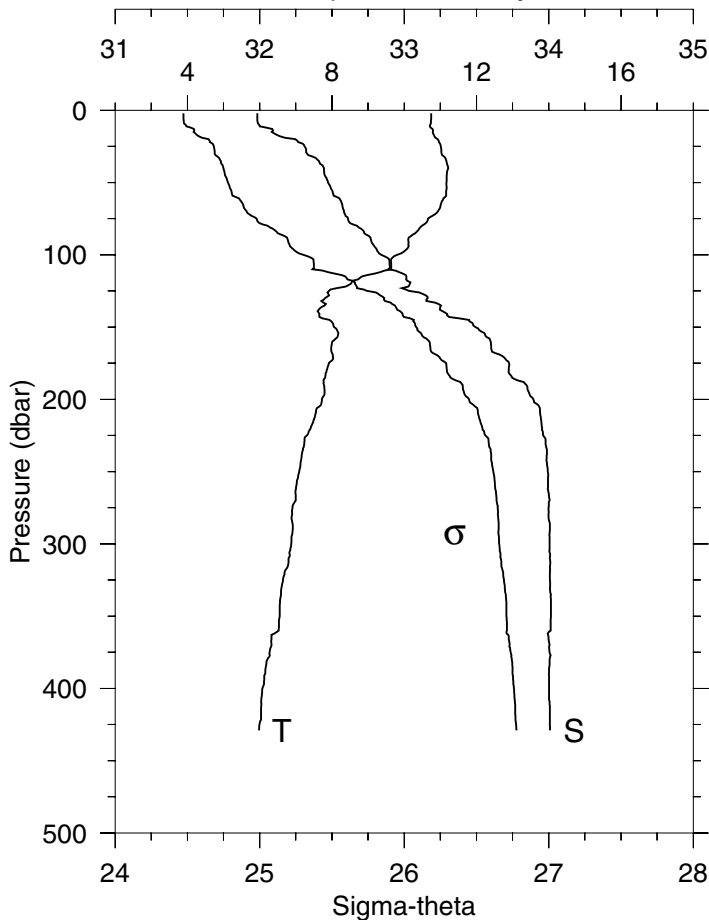
STA: 6 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W
15 FEB 2003 0032 GMT DEPTH 293

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.49	31.675	10.49	24.275	0.073	1.22	81.4
10	10.49	31.692	10.48	24.290	0.364	1.27	81.6
20	10.59	31.983	10.59	24.498	0.716	1.21	83.4
30	10.83	32.303	10.83	24.706	1.047	0.73	87.2
40	11.04	32.415	11.03	24.758	1.368	0.28	89.2
50	10.95	32.442	10.95	24.794	1.685	0.23	89.3
60	10.97	32.511	10.96	24.845	1.999	0.19	89.4
70	10.97	32.614	10.96	24.925	2.306	0.16	89.2
80	10.37	32.688	10.36	25.087	2.602	0.15	89.1
90	9.94	32.811	9.93	25.256	2.883	0.15	88.8
100	9.12	32.968	9.11	25.510	3.141	0.14	88.6
110	8.82	33.056	8.81	25.626	3.386	0.14	88.4
120	8.52	33.282	8.51	25.850	3.612	0.15	87.8
130	8.25	33.564	8.24	26.110	3.822	0.15	86.9
140	7.99	33.707	7.97	26.263	4.006	0.15	87.5
150	7.85	33.816	7.83	26.369	4.179	0.15	88.1
175	7.72	33.888	7.70	26.445	4.589	0.15	88.0
200	7.35	33.970	7.33	26.562	4.974	0.15	89.1
225	7.12	33.993	7.10	26.612	5.341	0.16	89.2
250	6.97	33.999	6.94	26.639	5.702	0.15	89.2
275	6.82	34.006	6.80	26.664	6.057	0.15	89.0
287	6.73	34.012	6.70	26.681	6.225	0.16	88.1

W0302A

Station 7 NH-35
Temperature, Salinity

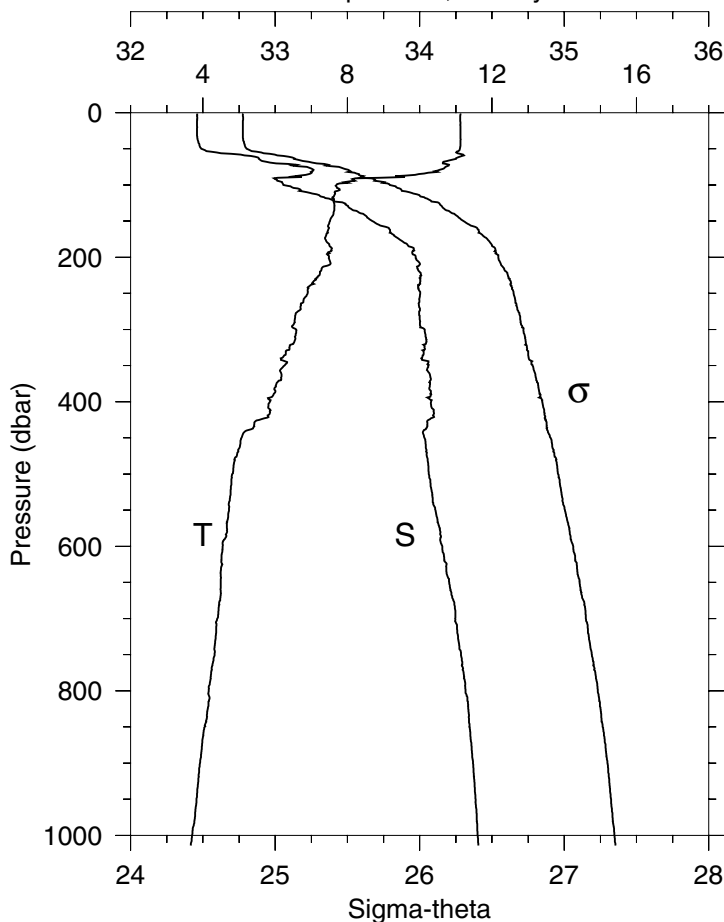
STA: 7 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W
15 FEB 2003 0158 GMT DEPTH 451



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.74	31.984	10.74	24.473	0.069	1.14	84.2
10	10.72	31.996	10.72	24.487	0.345	1.13	84.3
20	10.93	32.246	10.93	24.645	0.683	0.78	86.6
30	11.03	32.326	11.03	24.689	1.009	0.46	88.7
40	11.22	32.444	11.21	24.749	1.331	0.26	89.2
50	11.17	32.473	11.16	24.780	1.649	0.21	89.3
60	11.13	32.533	11.12	24.834	1.964	0.18	89.4
70	10.93	32.584	10.92	24.909	2.272	0.17	88.9
80	10.48	32.673	10.48	25.055	2.571	0.17	88.7
90	10.11	32.772	10.10	25.196	2.855	0.15	88.9
100	9.80	32.842	9.79	25.303	3.130	0.14	88.7
110	9.64	32.890	9.63	25.366	3.392	0.14	88.2
120	8.53	33.039	8.51	25.658	3.636	0.14	88.2
130	7.81	33.163	7.80	25.861	3.861	0.14	89.7
140	7.63	33.285	7.62	25.983	4.070	0.14	90.2
150	8.06	33.492	8.05	26.083	4.268	0.14	90.2
175	7.91	33.726	7.89	26.289	4.733	0.15	90.0
200	7.72	33.893	7.70	26.448	5.155	0.15	90.2
225	7.30	33.962	7.28	26.562	5.541	0.15	90.2
250	7.09	33.993	7.07	26.617	5.908	0.15	90.0
275	6.91	33.999	6.88	26.646	6.268	0.16	90.0
300	6.87	34.006	6.85	26.657	6.623	0.15	89.8
350	6.55	34.015	6.52	26.707	7.320	0.15	89.8
400	6.08	34.003	6.04	26.759	7.997	0.15	90.1
429	5.97	34.009	5.93	26.779	8.382	0.16	89.7

Station 8 NH-85
Temperature, Salinity

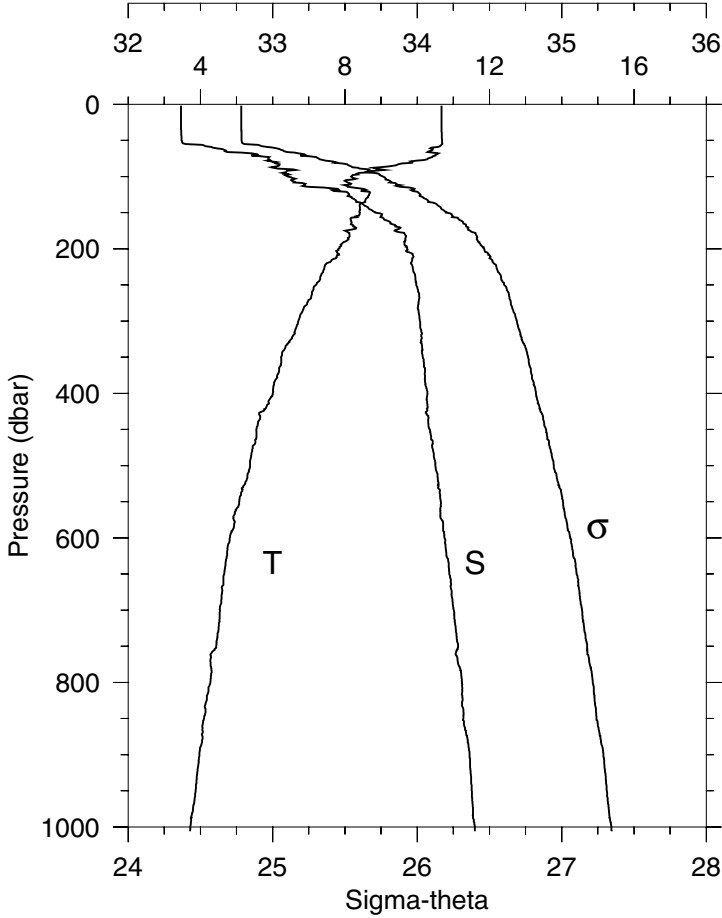
STA: 8 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W
15 FEB 2003 1523 GMT DEPTH 2883



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	11.12	32.461	11.12	24.778	0.032	0.53	86.9
10	11.12	32.461	11.12	24.778	0.316	0.63	87.7
20	11.12	32.461	11.12	24.777	0.632	0.62	87.7
30	11.13	32.460	11.13	24.776	0.949	0.65	87.7
40	11.13	32.468	11.13	24.783	1.266	0.58	87.7
50	11.11	32.488	11.10	24.802	1.581	0.57	87.9
60	11.18	32.830	11.17	25.057	1.886	0.24	89.2
70	10.65	33.007	10.64	25.288	2.167	0.18	89.4
80	10.50	33.263	10.49	25.514	2.423	0.16	89.1
90	8.88	33.017	8.87	25.586	2.666	0.16	89.6
100	7.70	33.057	7.69	25.794	2.894	0.14	90.2
110	7.65	33.219	7.64	25.928	3.109	0.14	90.3
120	7.63	33.385	7.62	26.061	3.310	0.14	90.3
130	7.64	33.506	7.63	26.155	3.501	0.15	90.3
140	7.62	33.608	7.60	26.239	3.685	0.15	90.3
150	7.52	33.671	7.50	26.302	3.861	0.14	90.4
175	7.39	33.858	7.37	26.468	4.273	0.14	90.4
200	7.49	33.973	7.47	26.544	4.659	0.15	90.4
225	7.22	34.010	7.20	26.611	5.031	0.16	90.5
250	6.90	34.003	6.88	26.650	5.389	0.15	90.6
275	6.62	33.997	6.60	26.683	5.741	0.15	90.6
300	6.58	34.035	6.56	26.718	6.085	0.15	90.5
350	6.26	34.060	6.23	26.781	6.754	0.15	90.4
400	5.86	34.080	5.82	26.848	7.392	0.15	90.5
450	5.07	34.033	5.03	26.905	8.003	0.14	90.6
500	4.81	34.063	4.78	26.958	8.585	0.15	90.7
600	4.54	34.156	4.50	27.062	9.686	0.15	90.7
800	4.16	34.317	4.10	27.232	11.641	0.15	90.5
1000	3.70	34.401	3.63	27.347	13.345	0.15	90.5
1014	3.66	34.406	3.59	27.356	13.457	0.15	90.5

W0302A

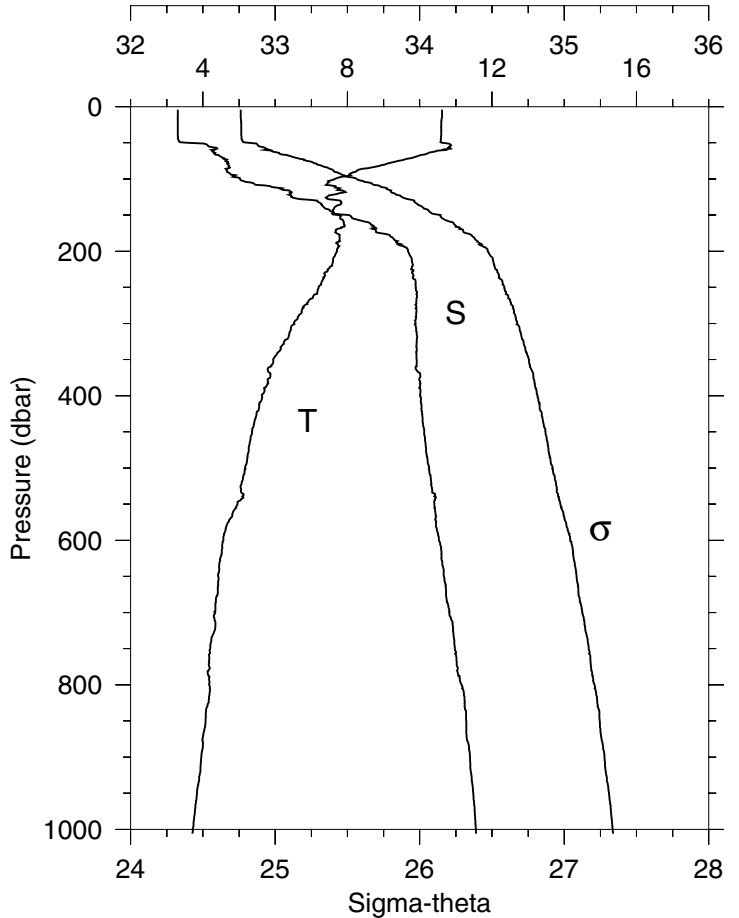
Station 9 NH-65
Temperature, Salinity



STA: 9 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W
15 FEB 2003 1841 GMT DEPTH 2862

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.67	32.365	10.67	24.783	0.063	0.69	87.0
10	10.67	32.365	10.67	24.783	0.316	0.70	87.0
20	10.67	32.366	10.67	24.783	0.631	0.73	87.1
30	10.67	32.366	10.67	24.783	0.947	0.72	87.2
40	10.68	32.367	10.67	24.784	1.263	0.74	87.2
50	10.68	32.370	10.68	24.785	1.580	0.66	87.2
60	10.41	32.584	10.40	24.998	1.889	0.20	89.7
70	10.50	32.899	10.49	25.228	2.176	0.15	89.4
80	9.87	33.028	9.86	25.436	2.442	0.14	89.4
90	8.98	33.143	8.98	25.668	2.688	0.14	89.7
100	8.17	33.106	8.16	25.764	2.917	0.14	90.0
110	8.17	33.226	8.16	25.857	3.138	0.14	90.2
120	8.46	33.423	8.45	25.969	3.347	0.14	90.1
130	8.60	33.550	8.59	26.047	3.547	0.14	90.0
140	8.40	33.633	8.39	26.142	3.740	0.14	90.1
150	8.41	33.708	8.40	26.200	3.926	0.14	90.1
175	8.00	33.843	7.98	26.368	4.361	0.14	90.3
200	7.82	33.930	7.80	26.464	4.769	0.15	90.2
225	7.43	33.968	7.41	26.549	5.157	0.15	90.3
250	7.19	33.993	7.17	26.602	5.530	0.15	90.3
275	6.95	34.008	6.93	26.647	5.890	0.15	90.4
300	6.71	34.019	6.68	26.690	6.242	0.16	90.4
350	6.23	34.039	6.20	26.768	6.919	0.16	90.5
400	6.00	34.070	5.97	26.822	7.567	0.15	90.5
450	5.55	34.086	5.51	26.891	8.188	0.15	90.4
500	5.37	34.126	5.33	26.944	8.781	0.15	90.5
600	4.81	34.188	4.76	27.058	9.889	0.15	90.6
800	4.28	34.310	4.21	27.215	11.869	0.15	90.5
1000	3.72	34.398	3.65	27.343	13.603	0.15	90.6
1006	3.71	34.399	3.64	27.344	13.651	0.15	90.6

Station 10 NH-55
Temperature, Salinity

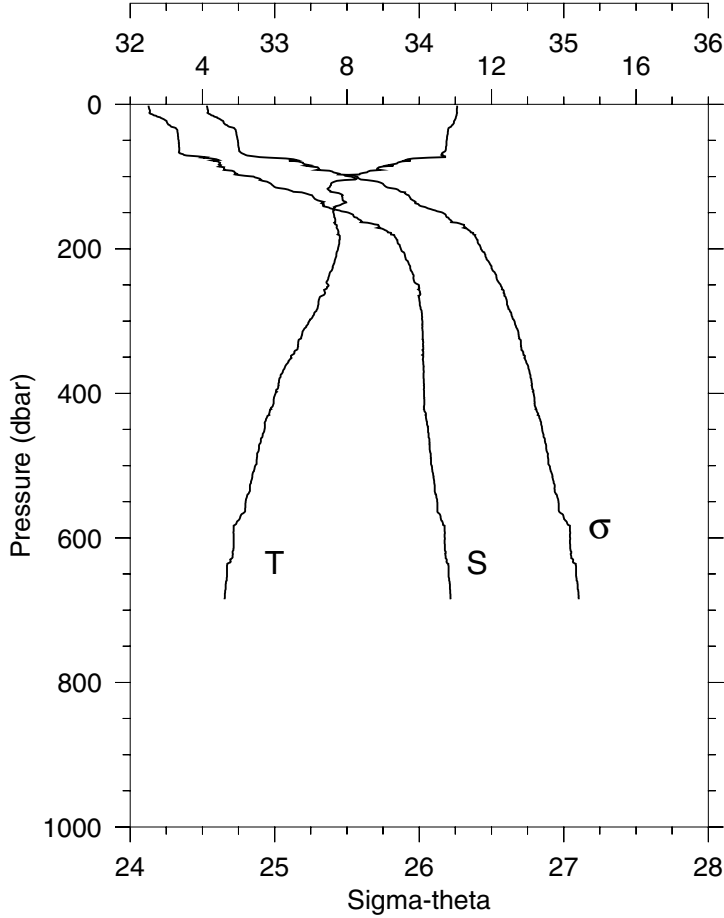


STA: 10 NH-55 LAT: 44 39.1 N LONG: 125 22.0 W
15 FEB 2003 2139 GMT DEPTH 2866

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
4	10.62	32.327	10.62	24.761	0.127	0.64	87.6
10	10.62	32.327	10.62	24.761	0.318	0.58	87.6
20	10.60	32.326	10.60	24.764	0.635	0.78	87.6
30	10.59	32.326	10.59	24.765	0.953	0.60	87.7
40	10.59	32.327	10.59	24.766	1.271	0.63	88.0
50	10.61	32.388	10.61	24.811	1.588	0.44	88.7
60	10.71	32.560	10.70	24.929	1.894	0.21	89.4
70	9.83	32.630	9.82	25.132	2.186	0.17	89.7
80	9.03	32.672	9.02	25.292	2.461	0.15	89.8
90	8.22	32.665	8.22	25.409	2.723	0.14	89.9
100	7.64	32.757	7.63	25.565	2.973	0.14	90.1
110	7.67	32.967	7.66	25.726	3.209	0.14	90.2
120	7.76	33.110	7.74	25.827	3.431	0.14	90.1
130	7.80	33.292	7.79	25.963	3.644	0.13	90.2
140	7.64	33.341	7.62	26.026	3.847	0.14	90.2
150	7.74	33.510	7.73	26.143	4.042	0.14	90.3
175	7.69	33.724	7.67	26.320	4.494	0.15	90.3
200	7.71	33.918	7.69	26.470	4.904	0.15	90.3
225	7.45	33.940	7.43	26.525	5.293	0.15	90.4
250	7.20	33.974	7.18	26.586	5.670	0.15	90.4
275	6.81	33.975	6.78	26.641	6.035	0.15	90.5
300	6.53	33.972	6.50	26.676	6.388	0.16	90.5
350	5.95	33.979	5.92	26.756	7.070	0.15	90.6
400	5.63	34.004	5.59	26.816	7.720	0.15	90.6
450	5.36	34.031	5.32	26.870	8.345	0.15	90.6
500	5.17	34.065	5.13	26.920	8.949	0.15	90.6
600	4.57	34.133	4.52	27.042	10.080	0.15	90.7
800	4.17	34.290	4.11	27.210	12.076	0.15	90.6
1000	3.72	34.389	3.65	27.336	13.815	0.15	90.5
1006	3.71	34.390	3.64	27.338	13.864	0.15	90.5

W0302A

Station 11 NH-45
Temperature, Salinity

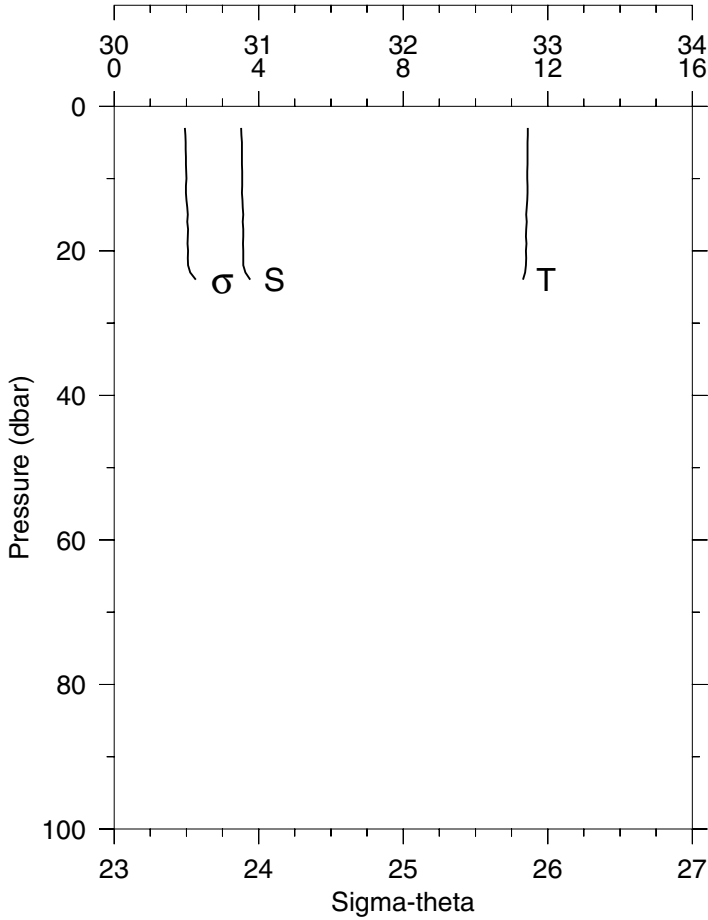


STA: 11 NH-45 LAT: 44 39.2 N LONG: 125 7.1 W
15 FEB 2003 2347 GMT DEPTH 690

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (V)
2	11.05	32.128	11.05	24.532	0.068	0.70	86.80
10	11.04	32.136	11.04	24.539	0.339	0.70	86.90
20	11.00	32.226	11.00	24.617	0.675	0.68	87.10
30	10.90	32.278	10.89	24.675	1.004	0.72	87.10
40	10.79	32.329	10.78	24.735	1.327	0.63	87.50
50	10.76	32.335	10.75	24.745	1.647	0.75	87.80
60	10.74	32.339	10.73	24.751	1.967	0.66	87.90
70	10.61	32.372	10.61	24.799	2.286	0.34	88.60
80	9.44	32.614	9.43	25.182	2.581	0.17	89.80
90	8.83	32.653	8.82	25.308	2.854	0.15	89.90
100	8.12	32.854	8.11	25.573	3.110	0.14	90.00
110	7.56	32.975	7.55	25.749	3.344	0.13	90.20
120	7.54	33.118	7.53	25.863	3.565	0.13	90.30
130	7.88	33.274	7.86	25.939	3.775	0.14	90.10
140	7.79	33.335	7.77	26.000	3.980	0.14	90.20
150	7.62	33.510	7.61	26.160	4.174	0.14	90.30
175	7.76	33.773	7.74	26.349	4.621	0.14	90.20
200	7.75	33.872	7.73	26.427	5.034	0.15	89.90
225	7.61	33.937	7.58	26.500	5.432	0.15	89.80
250	7.49	33.996	7.46	26.563	5.816	0.15	90.10
275	7.21	34.003	7.18	26.608	6.186	0.15	90.40
300	6.95	34.022	6.93	26.658	6.548	0.16	90.40
350	6.45	34.027	6.42	26.730	7.241	0.15	90.50
400	6.02	34.034	5.99	26.791	7.903	0.15	90.50
450	5.72	34.061	5.68	26.851	8.542	0.15	90.40
500	5.46	34.086	5.42	26.901	9.154	0.15	90.50
600	4.86	34.177	4.81	27.044	10.296	0.28	90.20
685	4.61	34.217	4.56	27.104	11.187	0.15	90.30

W0304A

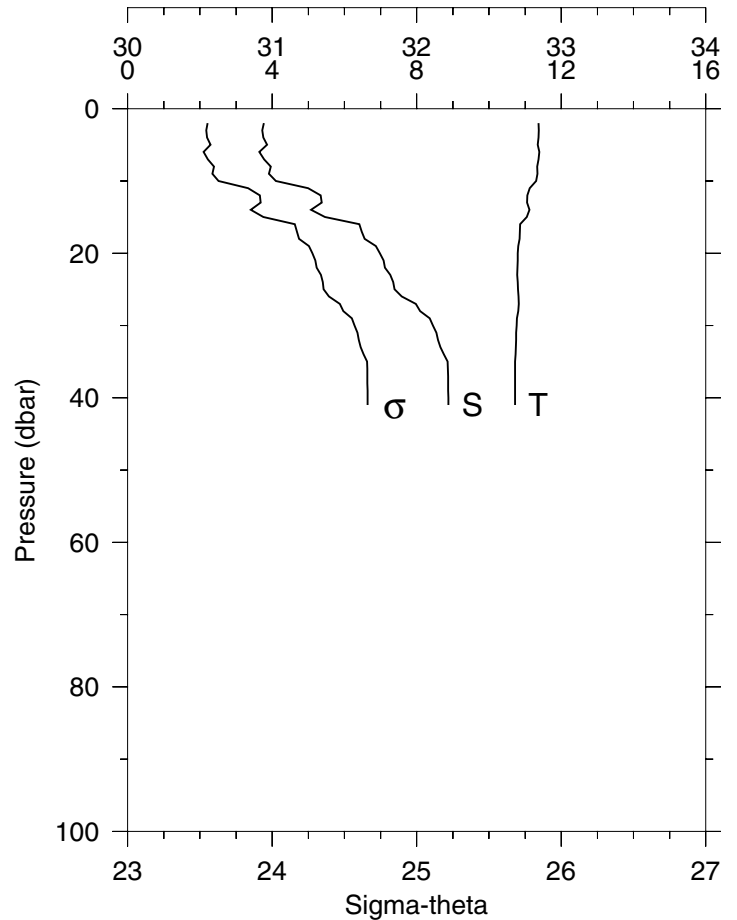
Station 1 NH-1
Temperature, Salinity



STA: 1 NH-1 LAT: 44 39.2 N LONG: 124 6.1 W
01 APR 2003 2205 GMT DEPTH 29

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.45	30.878	11.45	23.489	0.132	4.03	75.8
10	11.43	30.886	11.43	23.500	0.438	4.02	76.1
20	11.40	30.894	11.39	23.512	0.876	2.85	76.6
24	11.31	30.942	11.31	23.564	1.051	2.87	76.5

Station 2 NH-3
Temperature, Salinity

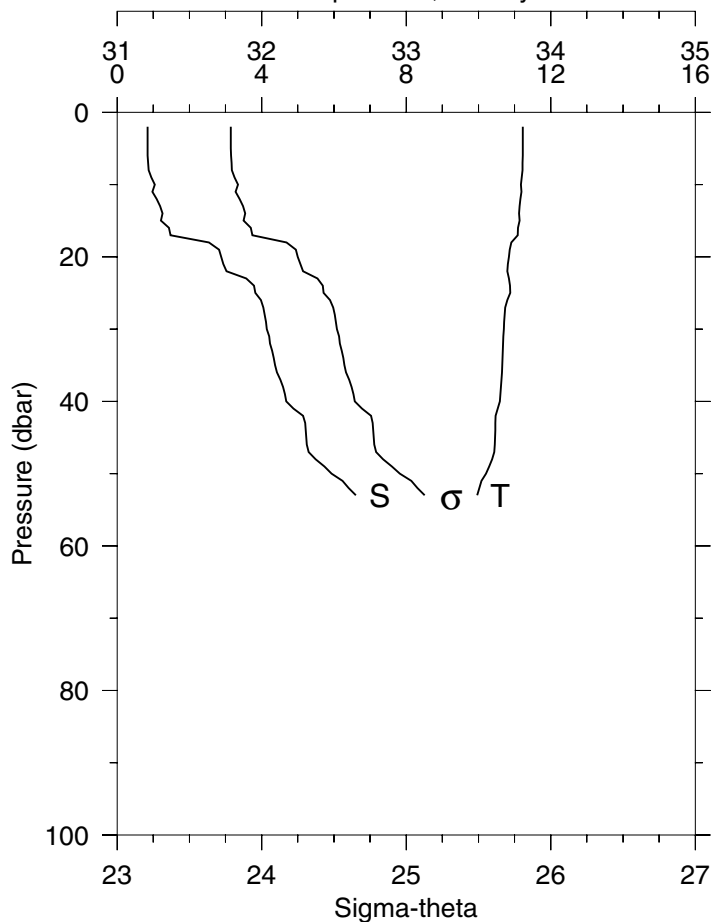


STA: 2 NH-3 LAT: 44 39.1 N LONG: 124 7.7 W
01 APR 2003 2249 GMT DEPTH 48

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.37	30.943	11.37	23.554	0.087	4.06	75.7
10	11.31	31.026	11.31	23.629	0.432	4.25	76.2
20	10.80	31.746	10.79	24.279	0.820	4.27	79.2
30	10.77	32.113	10.76	24.570	1.173	0.68	82.1
40	10.72	32.219	10.71	24.661	1.503	0.70	67.1
41	10.72	32.219	10.71	24.661	1.536	0.67	67.5

W0304A

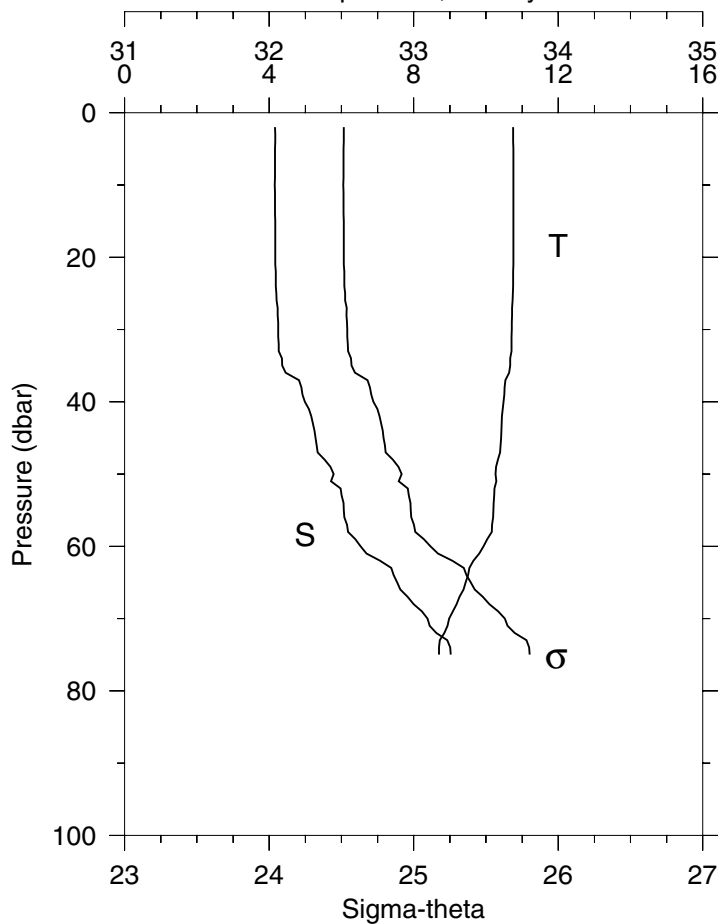
Station 3 NH-5
Temperature, Salinity



STA: 3 NH-5 LAT: 44 39.1 N LONG: 124 10.7 W
01 APR 2003 2330 GMT DEPTH 58

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.23	31.210	11.23	23.787	0.082	4.29	77.1
10	11.17	31.261	11.17	23.836	0.410	3.67	77.6
20	10.84	31.719	10.84	24.250	0.804	1.96	81.8
30	10.70	32.035	10.70	24.520	1.155	1.17	85.8
40	10.59	32.170	10.59	24.645	1.490	0.42	81.5
50	10.20	32.483	10.20	24.955	1.806	0.35	78.6
53	9.96	32.652	9.95	25.127	1.894	0.38	81.0

Station 4 NH-10
Temperature, Salinity



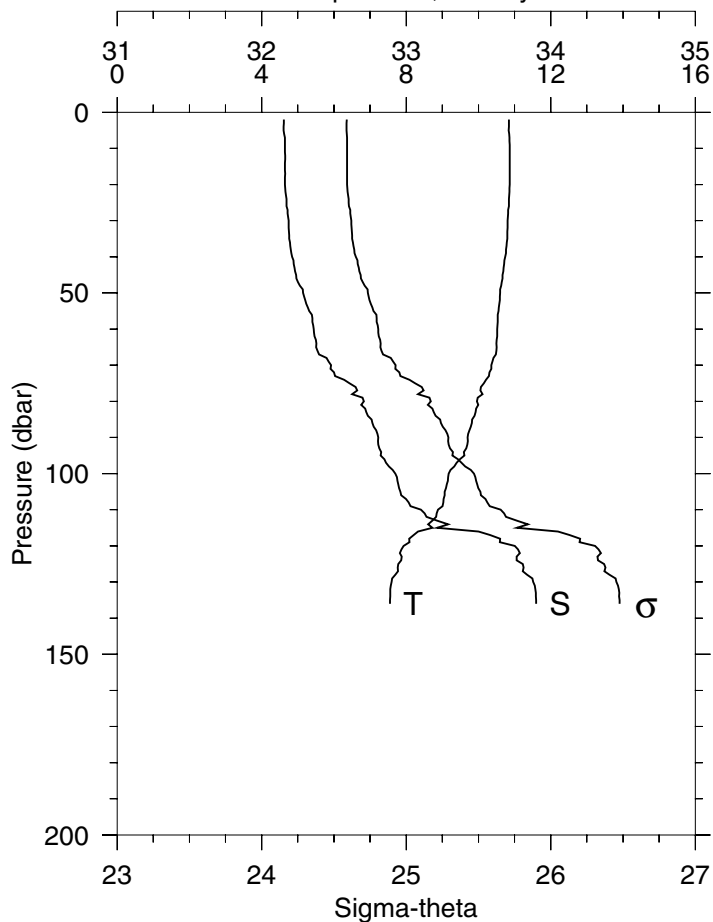
STA: 4 NH-10 LAT: 44 39.0 N LONG: 124 17.8 W
02 APR 2003 0145 GMT DEPTH 80

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.75	32.041	10.75	24.516	0.068	1.50	85.1
10	10.76	32.039	10.76	24.513	0.341	1.67	85.3
20	10.76	32.043	10.76	24.517	0.682	1.29	85.4
30	10.71	32.063	10.71	24.540	1.023	1.11	85.5
40	10.49	32.247	10.49	24.722	1.356	0.30	85.4
50	10.26	32.447	10.26	24.916	1.670	0.25	87.8
60	9.93	32.632	9.93	25.116	1.967	0.23	87.3
70	8.98	33.095	8.97	25.631	2.226	0.19	86.3
75	8.70	33.257	8.69	25.802	2.339	0.19	86.1

W0304A

Station 5 NH-20
Temperature, Salinity

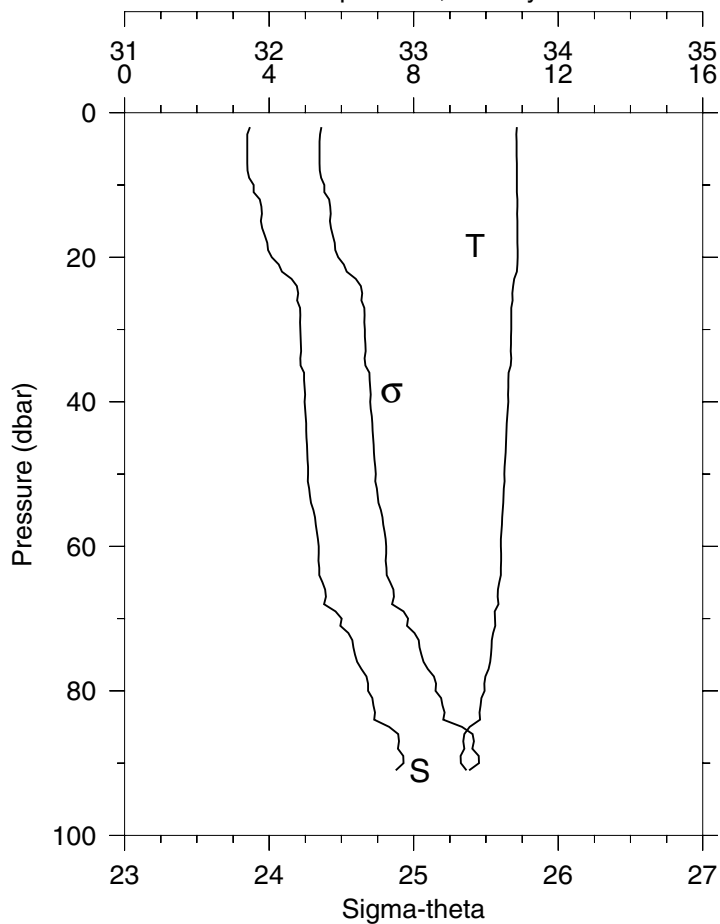
STA: 5 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W
02 APR 2003 0320 GMT DEPTH 142



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.85	32.154	10.85	24.588	0.067	1.12	85.4
10	10.86	32.161	10.86	24.591	0.334	1.11	85.5
20	10.86	32.161	10.86	24.591	0.668	1.12	85.5
30	10.81	32.187	10.80	24.621	1.001	1.01	86.3
40	10.74	32.211	10.73	24.651	1.332	0.88	87.0
50	10.60	32.286	10.59	24.734	1.657	0.35	88.5
60	10.52	32.360	10.51	24.806	1.975	0.23	89.2
70	10.36	32.480	10.35	24.927	2.286	0.19	89.1
80	9.96	32.706	9.95	25.170	2.578	0.17	88.9
90	9.69	32.807	9.69	25.292	2.853	0.17	88.5
100	9.17	32.925	9.16	25.469	3.117	0.17	88.9
110	8.88	33.102	8.87	25.653	3.364	0.16	88.1
120	7.93	33.752	7.92	26.306	3.572	0.17	82.8
130	7.59	33.878	7.58	26.454	3.739	0.16	85.0
136	7.55	33.899	7.54	26.476	3.833	0.17	85.0

Station 6 NH-15
Temperature, Salinity

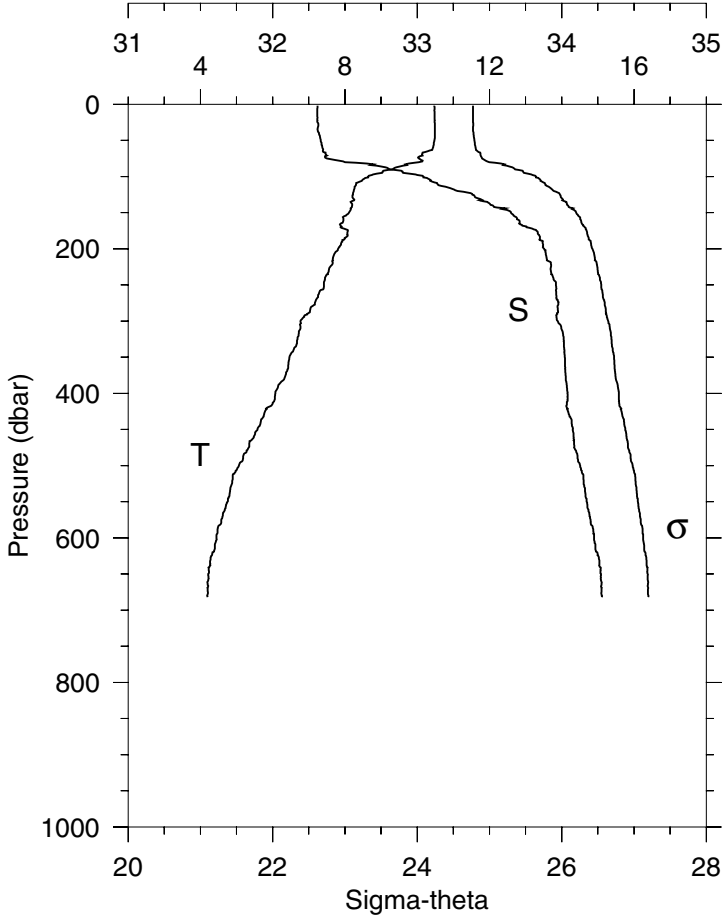
STA: 6 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W
02 APR 2003 0439 GMT DEPTH 95



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.86	31.867	10.86	24.362	0.071	2.99	81.6
10	10.86	31.892	10.86	24.382	0.356	1.94	82.1
20	10.88	32.018	10.87	24.477	0.706	2.15	83.2
30	10.70	32.216	10.69	24.662	1.038	0.87	86.8
40	10.62	32.246	10.61	24.699	1.364	0.73	87.5
50	10.51	32.270	10.50	24.737	1.687	0.56	88.2
60	10.42	32.343	10.41	24.809	2.004	0.36	89.0
70	10.25	32.501	10.24	24.961	2.315	0.27	87.5
80	9.96	32.684	9.95	25.152	2.606	0.19	88.6
90	9.30	32.930	9.29	25.451	2.872	0.21	85.2
91	9.46	32.876	9.45	25.384	2.898	0.17	84.8

W0304A

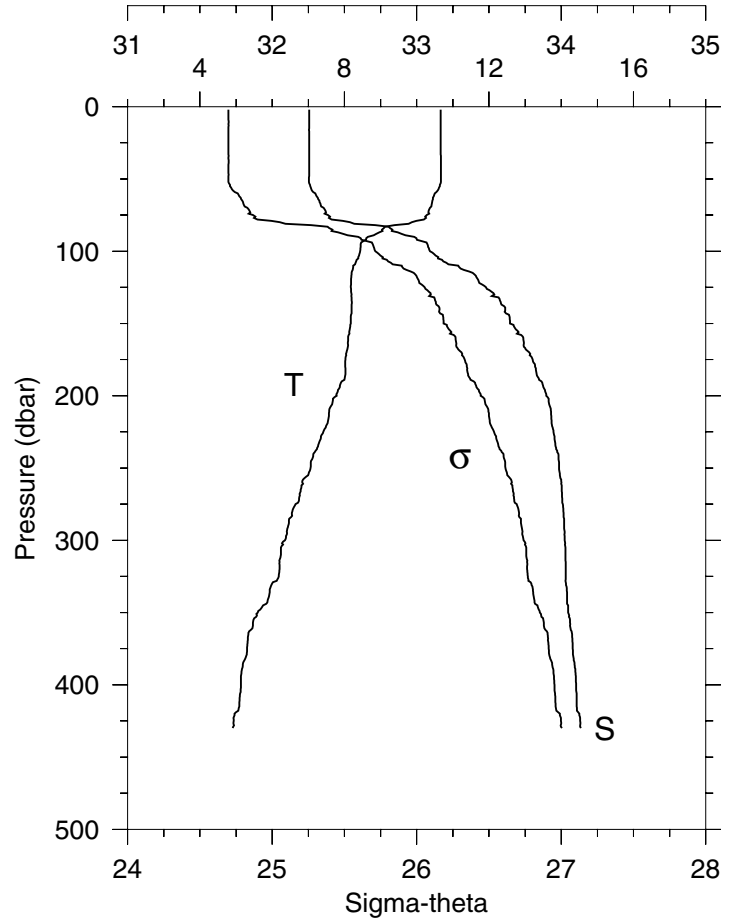
Station 7 NH-45
Temperature, Salinity



STA: 7 NH-45 LAT: 44 39.1 N LONG: 125 7.1 W
02 APR 2003 1448 GMT DEPTH 699

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.48	32.311	10.48	24.773	0.063	0.38	88.9
10	10.48	32.309	10.48	24.771	0.317	0.37	89.0
20	10.48	32.309	10.48	24.771	0.633	0.35	88.9
30	10.49	32.315	10.48	24.775	0.950	0.42	88.9
40	10.49	32.319	10.49	24.778	1.267	0.39	88.8
50	10.48	32.332	10.47	24.791	1.584	0.55	88.4
60	10.44	32.344	10.43	24.807	1.899	0.49	88.3
70	10.14	32.368	10.13	24.876	2.210	0.43	88.4
80	10.04	32.500	10.03	24.995	2.514	0.27	88.9
90	9.32	32.810	9.31	25.356	2.789	0.18	89.1
100	8.64	33.043	8.63	25.644	3.037	0.16	89.3
110	8.31	33.138	8.30	25.768	3.266	0.18	89.4
120	8.24	33.279	8.23	25.889	3.484	0.15	89.5
130	8.22	33.418	8.21	26.001	3.690	0.15	89.5
140	8.20	33.523	8.19	26.087	3.887	0.15	89.5
150	8.11	33.648	8.10	26.198	4.075	0.15	89.6
175	8.08	33.825	8.06	26.343	4.517	0.15	89.5
200	7.81	33.879	7.79	26.424	4.933	0.16	89.6
225	7.59	33.924	7.57	26.493	5.333	0.16	89.6
250	7.42	33.960	7.40	26.545	5.719	0.16	89.7
275	7.17	33.977	7.14	26.594	6.095	0.15	89.7
300	6.77	33.972	6.74	26.644	6.459	0.16	89.8
350	6.47	34.021	6.43	26.724	7.157	0.16	89.4
400	6.07	34.039	6.04	26.789	7.826	0.15	89.1
450	5.58	34.076	5.54	26.880	8.460	0.16	88.8
500	5.06	34.127	5.02	26.981	9.048	0.15	89.5
600	4.45	34.223	4.40	27.126	10.102	0.15	89.7
682	4.20	34.276	4.15	27.195	10.880	0.15	89.7

Station 8 NH-35
Temperature, Salinity



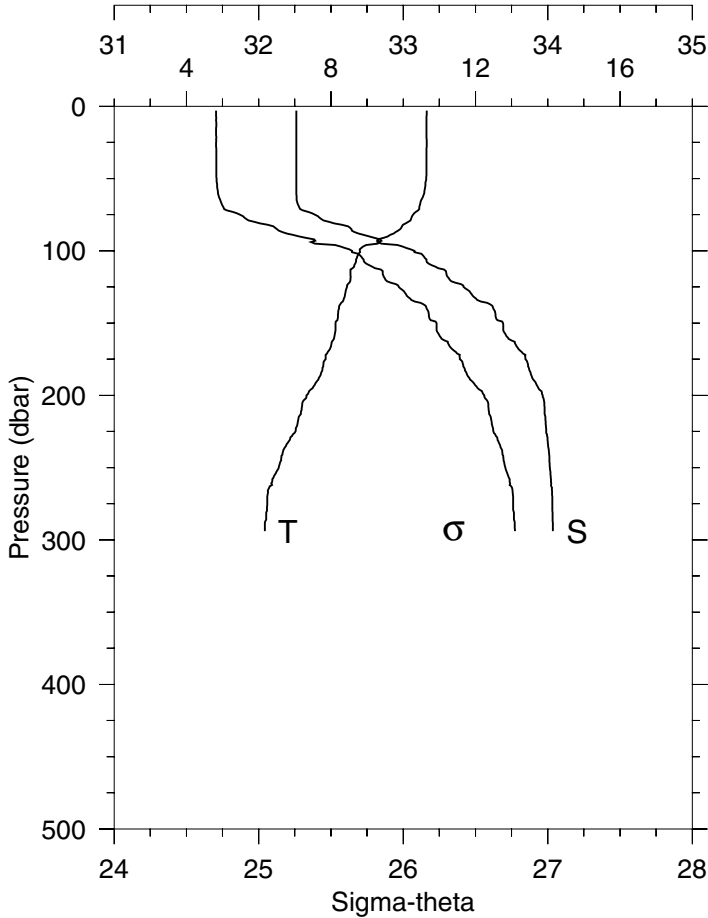
STA: 8 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W
02 APR 2003 1644 GMT DEPTH 433

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.66	32.256	10.66	24.698	0.065	0.51	86.6
10	10.66	32.256	10.66	24.699	0.324	0.57	86.6
20	10.66	32.256	10.66	24.698	0.647	0.67	86.6
30	10.67	32.256	10.66	24.698	0.971	0.65	86.6
40	10.67	32.256	10.66	24.698	1.296	0.65	86.6
50	10.67	32.255	10.66	24.698	1.620	0.64	86.6
60	10.50	32.298	10.49	24.761	1.943	0.35	88.7
70	10.36	32.356	10.36	24.829	2.259	0.28	89.1
80	9.86	32.538	9.86	25.054	2.567	0.21	89.2
90	8.65	32.983	8.64	25.595	2.827	0.16	89.3
100	8.44	33.092	8.43	25.713	3.060	0.16	89.3
110	8.24	33.288	8.23	25.896	3.282	0.16	89.4
120	8.18	33.426	8.17	26.013	3.487	0.15	89.4
130	8.20	33.536	8.19	26.097	3.684	0.15	89.5
140	8.20	33.613	8.18	26.158	3.874	0.15	89.5
150	8.18	33.646	8.16	26.186	4.059	0.15	89.4
175	8.03	33.802	8.01	26.332	4.502	0.16	89.3
200	7.78	33.896	7.76	26.442	4.920	0.16	88.9
225	7.42	33.947	7.39	26.535	5.310	0.16	88.5
250	7.07	33.986	7.04	26.614	5.681	0.16	88.6
275	6.65	34.011	6.62	26.691	6.035	0.16	88.4
300	6.35	34.024	6.32	26.740	6.374	0.16	88.7
350	5.60	34.048	5.57	26.853	7.023	0.15	89.6
400	5.14	34.103	5.10	26.953	7.610	0.15	89.6
430	4.91	34.137	4.87	27.005	7.947	0.15	89.5

W0304A

Station 9 NH-25
Temperature, Salinity

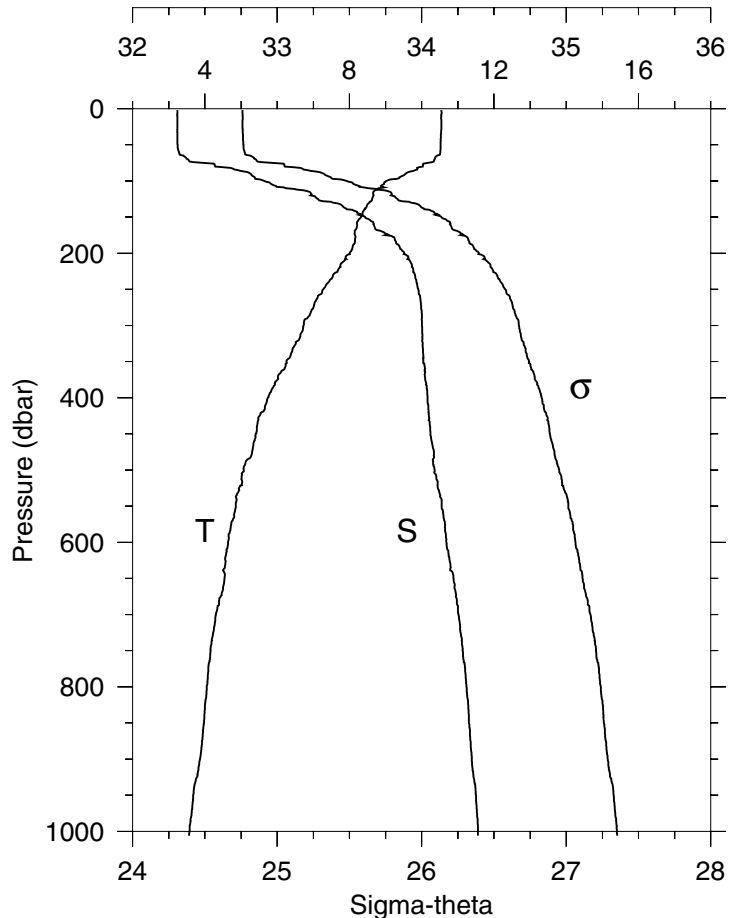
STA: 9 NH-25 LAT: 44 39.2 N LONG: 124 39.0 W
02 APR 2003 1825 GMT DEPTH 298



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.65	32.261	10.65	24.705	0.097	0.54	86.4
10	10.65	32.261	10.64	24.705	0.323	0.63	86.4
20	10.65	32.261	10.64	24.705	0.646	0.74	86.3
30	10.64	32.261	10.64	24.706	0.969	0.75	86.5
40	10.65	32.261	10.64	24.706	1.293	0.74	86.5
50	10.64	32.260	10.63	24.708	1.617	0.71	86.6
60	10.58	32.261	10.57	24.718	1.940	0.63	87.2
70	10.45	32.281	10.44	24.756	2.261	0.36	88.9
80	10.14	32.486	10.13	24.968	2.571	0.22	89.2
90	9.57	32.766	9.56	25.280	2.856	0.18	88.8
100	8.80	33.077	8.78	25.646	3.108	0.16	88.9
110	8.64	33.198	8.63	25.765	3.337	0.16	88.1
120	8.54	33.321	8.53	25.876	3.554	0.16	88.0
130	8.39	33.472	8.38	26.018	3.759	0.16	87.9
140	8.22	33.623	8.20	26.162	3.953	0.16	87.9
150	8.13	33.691	8.11	26.230	4.138	0.17	88.1
175	7.85	33.846	7.83	26.392	4.574	0.16	87.4
200	7.32	33.965	7.31	26.561	4.970	0.16	88.3
225	7.02	33.990	7.00	26.623	5.336	0.16	87.9
250	6.55	34.015	6.53	26.706	5.685	0.16	87.7
275	6.24	34.032	6.21	26.761	6.017	0.16	87.6
294	6.17	34.036	6.14	26.773	6.266	0.16	87.1

Station 10 NH-55
Temperature, Salinity

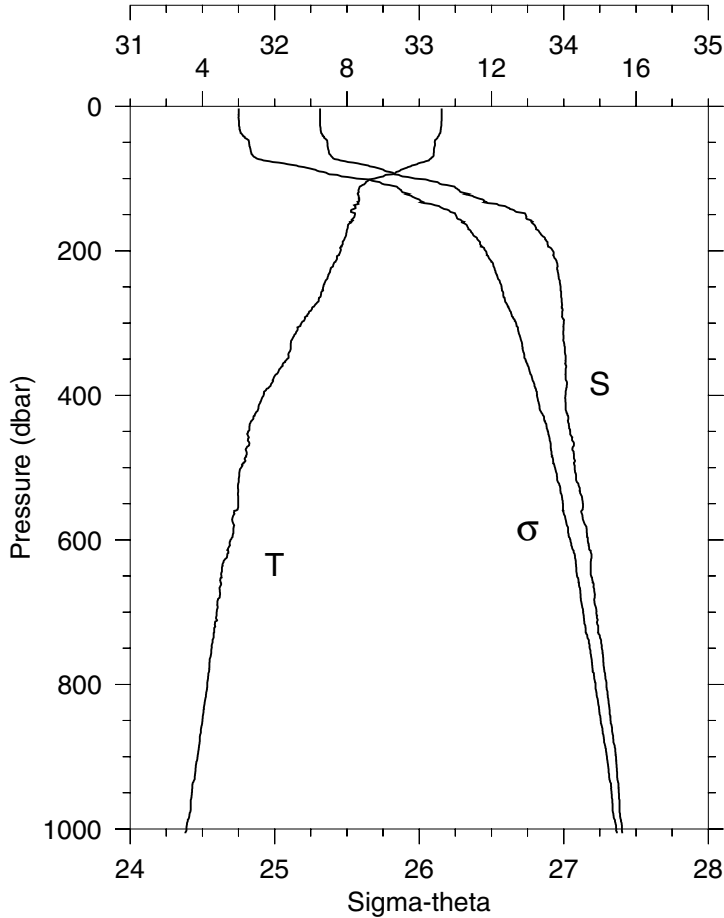
STA: 10 NH-55 LAT: 44 39.0 N LONG: 125 22.0 W
02 APR 2003 2224 GMT DEPTH 2867



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.54	32.309	10.54	24.760	0.064	0.30	88.8
10	10.54	32.308	10.54	24.760	0.318	0.29	88.7
20	10.55	32.309	10.54	24.760	0.636	0.35	88.7
30	10.54	32.309	10.53	24.761	0.954	0.40	88.6
40	10.53	32.309	10.52	24.764	1.272	0.38	88.8
50	10.52	32.311	10.52	24.767	1.590	0.42	88.7
60	10.52	32.320	10.51	24.775	1.908	0.37	89.0
70	10.35	32.383	10.34	24.852	2.222	0.28	89.5
80	10.03	32.572	10.02	25.054	2.523	0.20	89.4
90	9.56	32.816	9.55	25.322	2.799	0.19	89.1
100	9.02	32.911	9.01	25.481	3.059	0.18	89.1
110	8.81	33.059	8.80	25.630	3.304	0.16	89.2
120	8.67	33.230	8.66	25.786	3.529	0.16	89.3
130	8.56	33.383	8.54	25.924	3.746	0.18	89.3
140	8.40	33.520	8.39	26.054	3.949	0.15	89.4
150	8.32	33.608	8.30	26.136	4.142	0.16	89.3
175	8.16	33.747	8.14	26.270	4.599	0.16	89.4
200	8.01	33.880	7.99	26.397	5.025	0.15	89.5
225	7.67	33.943	7.65	26.495	5.426	0.15	89.6
250	7.28	33.976	7.25	26.577	5.807	0.16	89.7
275	7.00	33.996	6.98	26.631	6.172	0.16	89.7
300	6.73	34.002	6.70	26.673	6.527	0.17	89.8
350	6.26	34.011	6.23	26.743	7.215	0.15	89.8
400	5.74	34.041	5.71	26.831	7.865	0.15	89.9
450	5.41	34.060	5.37	26.887	8.481	0.15	90.0
500	5.07	34.091	5.03	26.951	9.073	0.15	90.1
600	4.64	34.171	4.59	27.064	10.170	0.15	90.1
800	4.05	34.310	3.99	27.239	12.104	0.15	89.9
1000	3.58	34.389	3.50	27.350	13.806	0.15	90.0
1006	3.56	34.390	3.49	27.353	13.854	0.15	90.0

W0304A

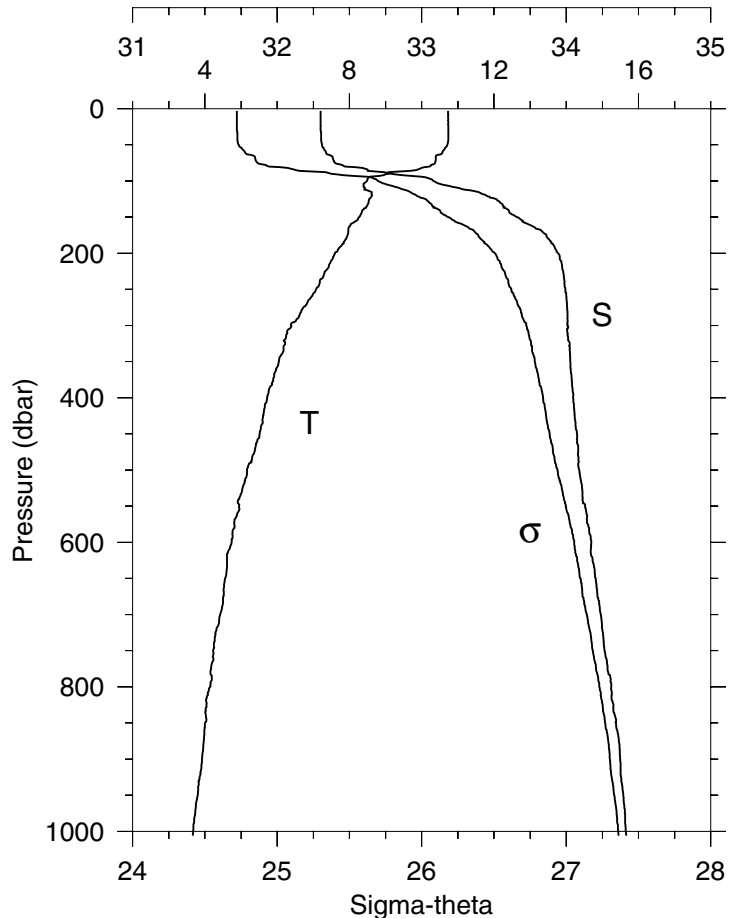
Station 11 NH-65
Temperature, Salinity



STA: 11 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W
03 APR 2003 0041 GMT DEPTH 2861

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.62	32.313	10.62	24.751	0.096	0.66	87.0
10	10.62	32.314	10.62	24.751	0.319	0.69	86.9
20	10.62	32.314	10.61	24.752	0.637	0.68	87.0
30	10.60	32.317	10.60	24.757	0.956	0.74	87.1
40	10.55	32.332	10.54	24.779	1.274	0.66	87.6
50	10.43	32.364	10.43	24.823	1.589	0.64	87.8
60	10.41	32.371	10.40	24.833	1.901	0.46	88.4
70	10.37	32.396	10.36	24.858	2.212	0.32	88.9
80	9.94	32.598	9.93	25.089	2.513	0.22	89.1
90	9.43	32.773	9.42	25.309	2.790	0.19	89.1
100	8.76	32.971	8.75	25.569	3.046	0.16	89.2
110	8.40	33.216	8.39	25.815	3.275	0.15	89.1
120	8.30	33.312	8.29	25.905	3.489	0.15	89.2
130	8.34	33.446	8.33	26.005	3.695	0.16	89.3
140	8.24	33.610	8.22	26.150	3.891	0.15	89.4
150	8.22	33.736	8.21	26.251	4.073	0.15	89.4
175	7.98	33.834	7.97	26.363	4.506	0.16	89.4
200	7.83	33.925	7.81	26.459	4.916	0.16	89.5
225	7.55	33.955	7.53	26.522	5.307	0.16	89.5
250	7.34	33.978	7.32	26.570	5.687	0.16	89.4
275	7.11	33.989	7.09	26.610	6.058	0.16	89.5
300	6.74	34.000	6.71	26.670	6.417	0.15	89.7
350	6.34	34.013	6.31	26.734	7.105	0.16	89.8
400	5.69	34.012	5.66	26.814	7.760	0.15	90.0
450	5.26	34.045	5.23	26.892	8.381	0.15	90.0
500	5.07	34.075	5.03	26.939	8.975	0.15	90.1
600	4.77	34.167	4.73	27.046	10.092	0.16	90.0
800	4.13	34.296	4.07	27.219	12.074	0.15	90.0
1000	3.56	34.403	3.48	27.363	13.777	0.15	89.9
1006	3.53	34.404	3.46	27.367	13.825	0.15	89.9

Station 12 NH-85
Temperature, Salinity

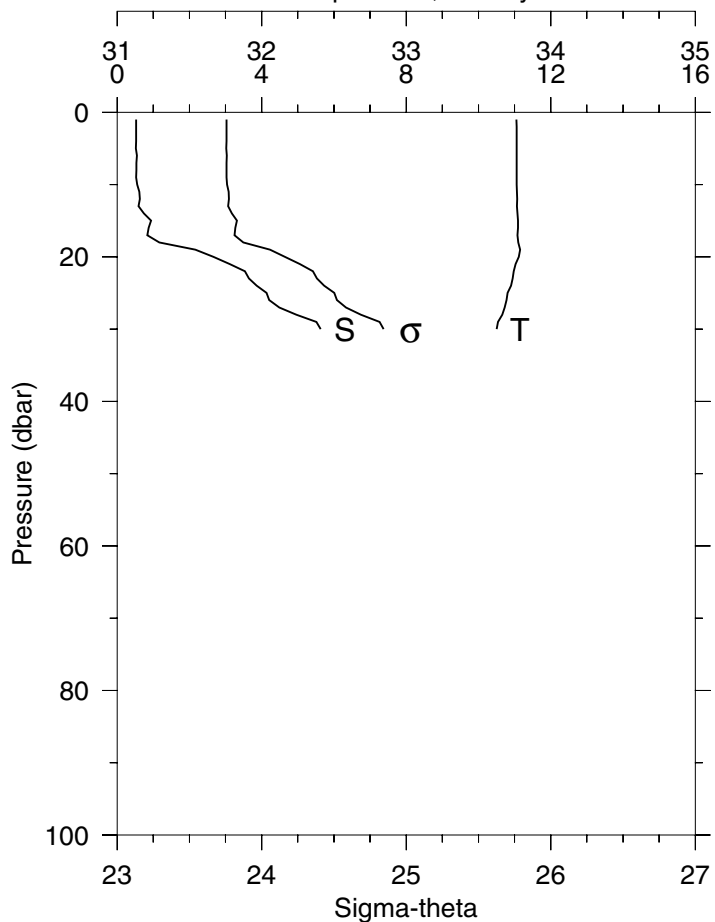


STA: 12 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W
03 APR 2003 0405 GMT DEPTH 2884

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.73	32.301	10.73	24.722	0.096	0.47	88.1
10	10.73	32.301	10.73	24.722	0.321	0.53	88.2
20	10.73	32.301	10.73	24.721	0.643	0.59	88.2
30	10.74	32.301	10.74	24.721	0.965	0.59	87.8
40	10.74	32.304	10.73	24.724	1.287	0.61	88.1
50	10.71	32.310	10.70	24.734	1.608	0.59	88.0
60	10.58	32.337	10.57	24.777	1.928	0.57	88.5
70	10.39	32.388	10.38	24.850	2.241	0.32	88.8
80	10.21	32.470	10.20	24.944	2.549	0.28	89.0
90	9.08	32.787	9.07	25.375	2.829	0.19	89.1
100	8.48	33.081	8.48	25.697	3.069	0.15	89.2
110	8.43	33.262	8.42	25.846	3.293	0.15	89.3
120	8.62	33.447	8.61	25.963	3.503	0.15	89.2
130	8.53	33.542	8.52	26.052	3.704	0.15	89.1
140	8.36	33.599	8.35	26.122	3.898	0.15	89.1
150	8.27	33.659	8.25	26.183	4.086	0.15	89.2
175	7.95	33.863	7.93	26.391	4.522	0.16	89.4
200	7.59	33.945	7.57	26.508	4.924	0.15	89.4
225	7.32	33.979	7.30	26.572	5.304	0.16	89.4
250	7.08	33.994	7.05	26.619	5.672	0.16	89.5
275	6.73	34.006	6.70	26.676	6.028	0.16	89.6
300	6.39	34.008	6.36	26.723	6.372	0.18	89.8
350	6.05	34.028	6.02	26.783	7.035	0.15	89.7
400	5.72	34.048	5.69	26.839	7.673	0.15	89.8
450	5.51	34.074	5.48	26.886	8.290	0.15	89.7
500	5.16	34.091	5.12	26.940	8.886	0.15	89.9
600	4.74	34.174	4.69	27.055	9.999	0.15	89.9
800	4.15	34.311	4.09	27.229	11.970	0.15	90.0
1000	3.67	34.413	3.60	27.360	13.662	0.15	90.0
1006	3.66	34.416	3.59	27.363	13.709	0.15	90.0

W0304A

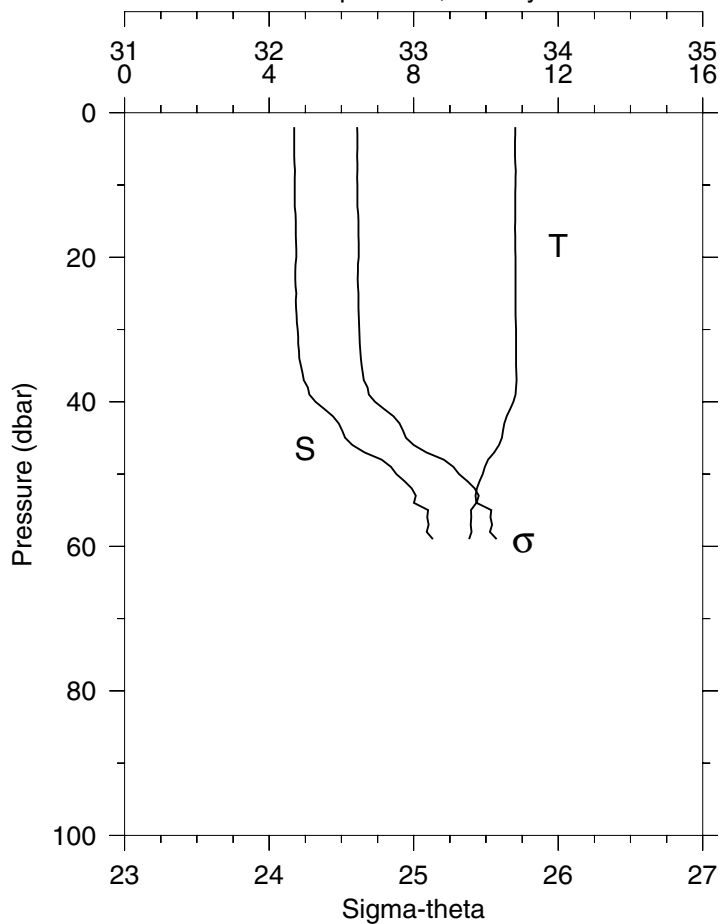
Station 13 FM-1
Temperature, Salinity



STA: 13 FM-1 LAT: 43 13.1 N LONG: 124 26.0 W
03 APR 2003 1512 GMT DEPTH 34

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	11.05	31.132	11.05	23.757	0.041	3.60	75.5
10	11.06	31.139	11.06	23.761	0.413	2.94	76.1
20	11.12	31.666	11.11	24.161	0.818	2.70	76.8
30	10.51	32.407	10.50	24.844	1.161	1.18	46.5

Station 14 FM-2
Temperature, Salinity



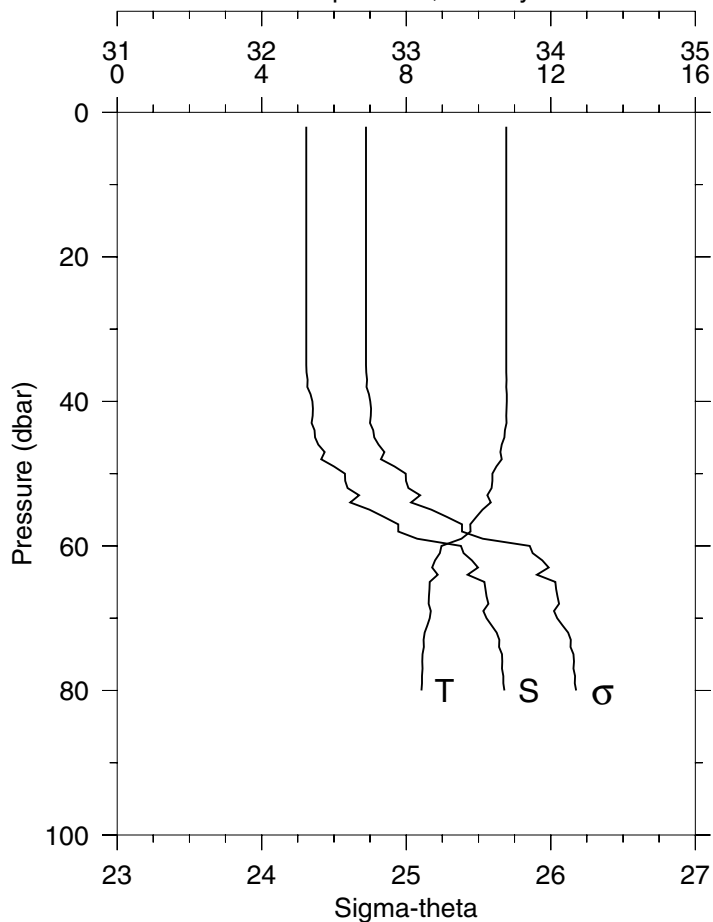
STA: 14 FM-3 LAT: 43 13.1 N LONG: 124 30.0 W
03 APR 2003 1556 GMT DEPTH 64

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.81	32.174	10.81	24.609	0.066	3.82	79.8
10	10.82	32.177	10.82	24.610	0.332	4.02	79.7
20	10.82	32.188	10.82	24.619	0.664	3.29	80.0
30	10.83	32.197	10.83	24.624	0.995	3.44	80.2
40	10.76	32.321	10.76	24.732	1.324	1.68	81.0
50	9.91	32.880	9.91	25.313	1.620	0.52	80.5
59	9.53	33.133	9.52	25.573	1.845	0.50	76.8

W0304A

Station 15 FM-4
Temperature, Salinity

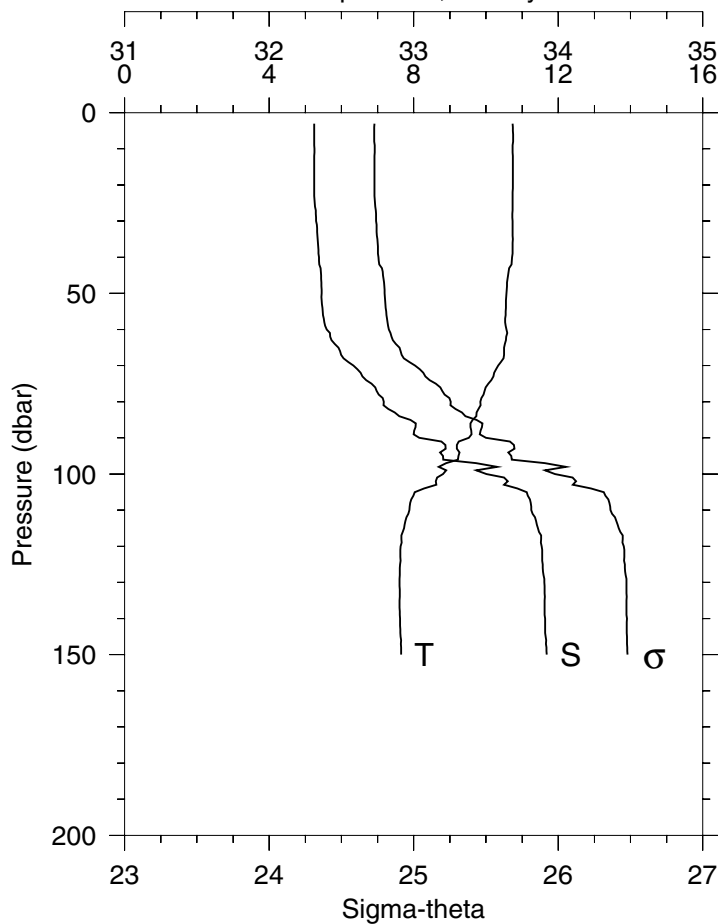
STA: 15 FM-4 LAT: 43 13.2 N LONG: 124 35.0 W
03 APR 2003 1725 GMT DEPTH 86



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.77	32.308	10.77	24.721	0.064	0.94	85.8
10	10.77	32.308	10.77	24.721	0.321	1.02	85.8
20	10.77	32.308	10.77	24.721	0.643	1.23	85.8
30	10.77	32.309	10.77	24.722	0.965	0.97	85.9
40	10.78	32.350	10.78	24.752	1.286	1.00	87.3
50	10.38	32.576	10.38	24.996	1.600	0.43	87.4
60	8.97	33.379	8.97	25.854	1.874	0.22	85.1
70	8.65	33.556	8.64	26.044	2.077	0.20	83.9
80	8.42	33.680	8.41	26.175	2.264	0.22	81.1

Station 16 FM-5
Temperature, Salinity

STA: 16 FM-5 LAT: 43 13.1 N LONG: 124 40.0 W
03 APR 2003 1853 GMT DEPTH 156

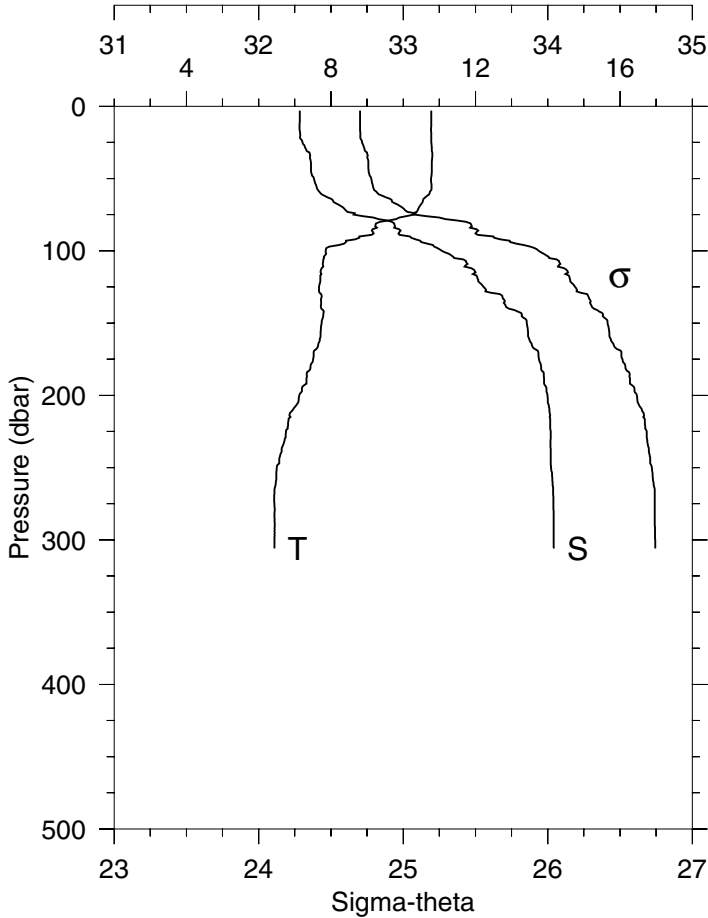


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.74	32.312	10.74	24.729	0.096	0.59	86.2
10	10.73	32.313	10.73	24.730	0.321	0.75	86.2
20	10.74	32.312	10.74	24.729	0.642	0.72	86.2
30	10.73	32.325	10.73	24.740	0.962	0.77	86.5
40	10.72	32.344	10.72	24.757	1.282	0.61	87.8
50	10.57	32.363	10.56	24.799	1.598	0.46	88.6
60	10.56	32.399	10.56	24.828	1.912	0.43	88.9
70	10.34	32.582	10.33	25.009	2.218	0.23	88.8
80	9.85	32.794	9.84	25.257	2.501	0.18	88.6
90	9.52	33.038	9.52	25.500	2.760	0.18	87.7
100	8.81	33.503	8.80	25.977	2.984	0.20	83.3
110	7.88	33.814	7.87	26.362	3.162	0.18	85.0
120	7.64	33.886	7.63	26.454	3.324	0.16	85.7
130	7.61	33.904	7.60	26.472	3.482	0.16	85.3
140	7.62	33.910	7.61	26.475	3.639	0.16	84.6
150	7.65	33.920	7.64	26.479	3.796	0.17	83.4

W0304A

Station 17 FM-6
Temperature, Salinity

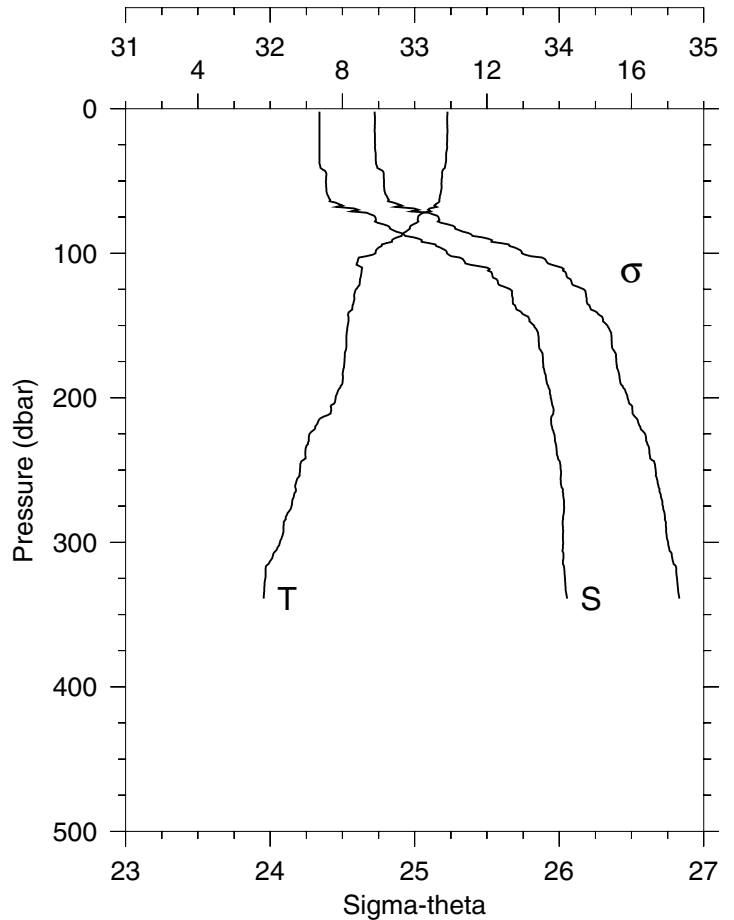
STA: 17 FM-6 LAT: 43 13.1 N LONG: 124 45.0 W
03 APR 2003 2058 GMT DEPTH 310



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.77	32.285	10.77	24.702	0.097	0.64	86.3
10	10.77	32.284	10.77	24.701	0.323	0.70	86.4
20	10.77	32.288	10.77	24.704	0.647	0.77	86.4
30	10.79	32.328	10.79	24.733	0.969	0.57	87.6
40	10.79	32.361	10.79	24.758	1.288	0.37	88.7
50	10.77	32.382	10.76	24.779	1.606	0.35	88.8
60	10.73	32.426	10.72	24.821	1.922	0.25	88.6
70	10.44	32.583	10.43	24.993	2.227	0.26	87.9
80	9.36	32.920	9.35	25.434	2.509	0.19	88.1
90	8.78	33.046	8.77	25.624	2.758	0.21	88.2
100	7.85	33.268	7.84	25.937	2.980	0.15	89.1
110	7.78	33.432	7.77	26.076	3.179	0.16	89.0
120	7.70	33.518	7.69	26.155	3.368	0.15	89.1
130	7.73	33.669	7.72	26.271	3.552	0.15	87.9
140	7.73	33.732	7.72	26.319	3.726	0.16	87.6
150	7.74	33.854	7.73	26.414	3.892	0.17	85.6
175	7.50	33.940	7.49	26.516	4.290	0.16	86.0
200	7.12	33.999	7.10	26.616	4.663	0.16	87.3
225	6.75	34.020	6.73	26.684	5.016	0.16	87.8
250	6.50	34.023	6.48	26.719	5.358	0.16	88.7
275	6.43	34.039	6.41	26.741	5.693	0.17	86.7
300	6.44	34.041	6.41	26.743	6.027	0.16	85.4
306	6.43	34.042	6.41	26.744	6.107	0.15	85.0

Station 18 FM-7
Temperature, Salinity

STA: 18 FM-7 LAT: 43 13.1 N LONG: 124 50.0 W
03 APR 2003 2208 GMT DEPTH 344

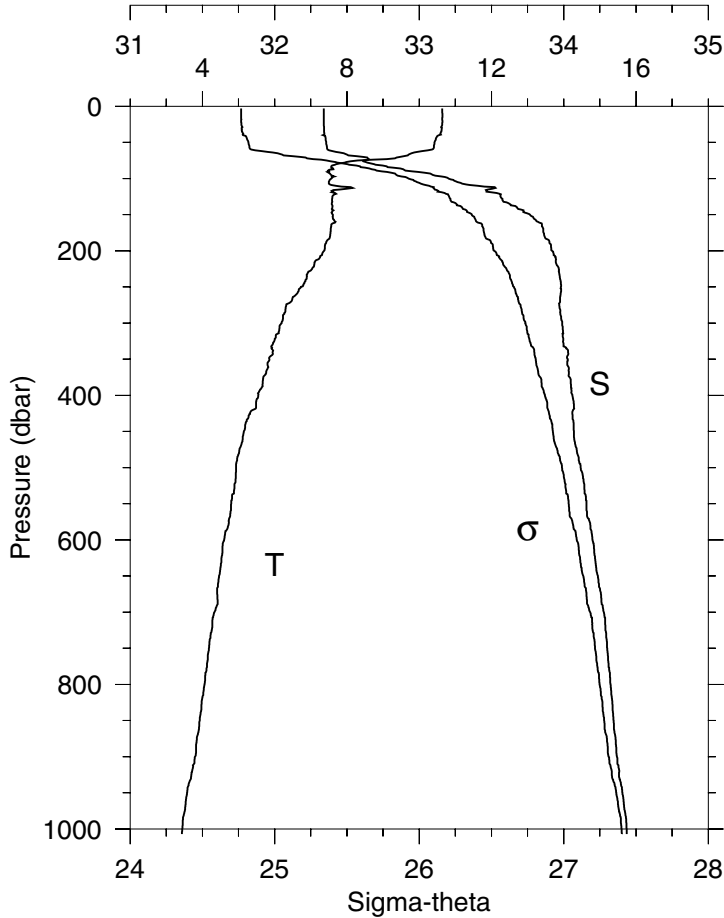


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.90	32.342	10.90	24.723	0.064	0.45	86.7
10	10.90	32.341	10.90	24.725	0.321	0.57	86.7
20	10.90	32.342	10.90	24.725	0.643	0.75	86.7
30	10.88	32.341	10.87	24.729	0.964	0.71	86.9
40	10.84	32.347	10.83	24.740	1.285	0.69	87.3
50	10.74	32.386	10.74	24.787	1.602	0.44	88.5
60	10.70	32.398	10.69	24.804	1.918	0.32	89.1
70	10.36	32.609	10.36	25.026	2.227	0.23	89.0
80	9.97	32.780	9.96	25.225	2.510	0.27	88.9
90	9.42	33.031	9.41	25.512	2.774	0.18	88.7
100	8.92	33.223	8.91	25.742	3.009	0.17	88.9
110	8.55	33.502	8.54	26.018	3.221	0.17	88.8
120	8.48	33.575	8.47	26.085	3.418	0.15	88.6
130	8.33	33.676	8.31	26.187	3.606	0.15	88.7
140	8.21	33.729	8.20	26.247	3.788	0.15	88.6
150	8.14	33.826	8.13	26.333	3.963	0.15	88.1
175	8.06	33.888	8.04	26.394	4.382	0.16	87.8
200	7.82	33.941	7.80	26.472	4.788	0.15	88.2
225	7.09	33.965	7.07	26.594	5.171	0.15	89.7
250	6.82	34.011	6.80	26.667	5.531	0.16	89.7
275	6.59	34.034	6.56	26.717	5.876	0.15	89.4
300	6.27	34.027	6.24	26.753	6.211	0.15	89.6
339	5.82	34.054	5.80	26.831	6.711	0.16	87.2

W0304A

Station 19 FM-8
Temperature, Salinity

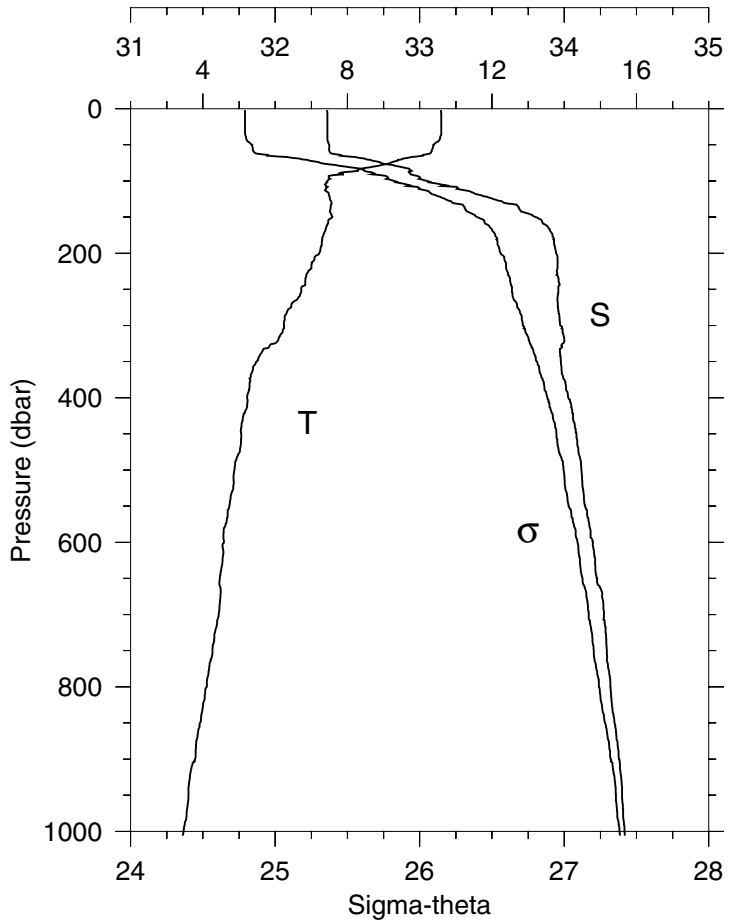
STA: 19 FM-8 LAT: 43 13.1 N LONG: 125 0.1 W
04 APR 2003 0110 GMT DEPTH 1080



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.64	32.340	10.64	24.768	0.095	0.73	86.6
10	10.64	32.340	10.64	24.768	0.317	0.76	86.7
20	10.64	32.340	10.64	24.768	0.634	0.75	86.7
30	10.62	32.341	10.62	24.772	0.951	0.75	86.8
40	10.55	32.335	10.54	24.780	1.268	0.75	86.8
50	10.42	32.356	10.42	24.818	1.582	0.75	87.8
60	10.35	32.365	10.35	24.837	1.895	0.55	88.2
70	9.46	32.617	9.45	25.182	2.191	0.27	89.1
80	7.70	32.689	7.69	25.504	2.454	0.18	89.6
90	7.50	32.954	7.49	25.741	2.691	0.15	89.7
100	7.57	33.204	7.55	25.927	2.906	0.14	89.7
110	7.69	33.407	7.68	26.069	3.109	0.14	89.7
120	7.67	33.536	7.65	26.175	3.299	0.14	89.7
130	7.59	33.575	7.58	26.216	3.482	0.14	89.8
140	7.59	33.678	7.58	26.297	3.660	0.14	89.8
150	7.61	33.765	7.59	26.363	3.830	0.14	89.8
175	7.55	33.860	7.53	26.448	4.238	0.14	89.8
200	7.37	33.919	7.35	26.519	4.630	0.14	89.9
225	7.03	33.966	7.01	26.603	5.004	0.15	89.9
250	6.72	33.980	6.70	26.656	5.362	0.16	89.9
275	6.32	33.969	6.29	26.701	5.711	0.15	89.9
300	6.19	33.989	6.16	26.733	6.050	0.16	90.0
350	5.85	34.027	5.82	26.806	6.706	0.15	89.9
400	5.55	34.060	5.51	26.870	7.333	0.15	90.0
450	5.15	34.070	5.11	26.925	7.930	0.15	90.1
500	4.93	34.117	4.89	26.988	8.503	0.15	90.1
600	4.60	34.199	4.55	27.090	9.579	0.15	90.0
800	4.06	34.323	4.00	27.248	11.483	0.16	90.0
1000	3.44	34.435	3.37	27.400	13.132	0.15	88.7
1007	3.43	34.436	3.36	27.401	13.184	0.14	88.6

Station 20 FM-9
Temperature, Salinity

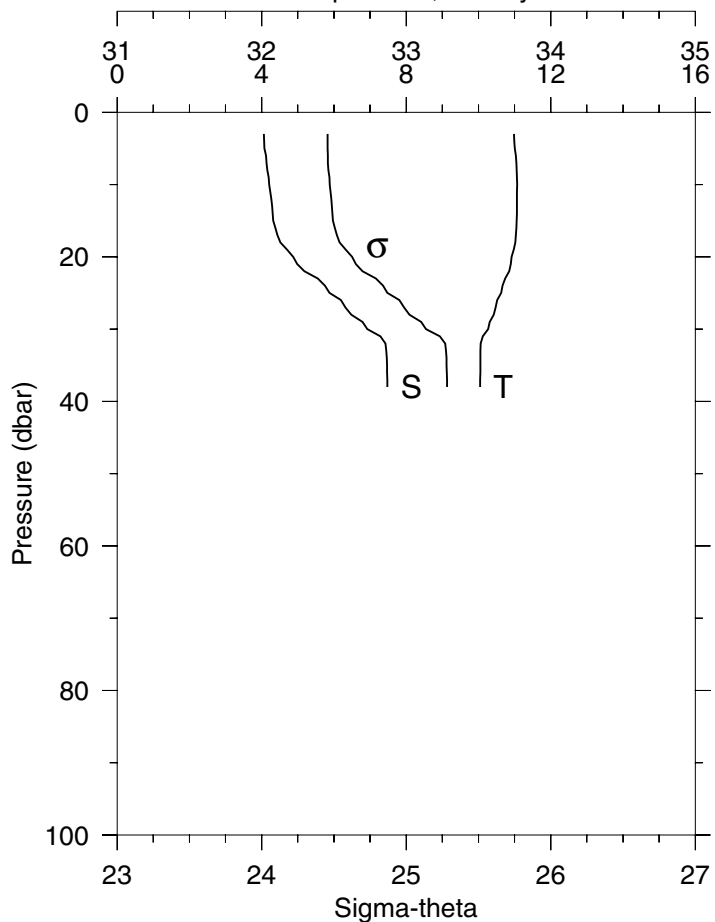
STA: 20 FM-9 LAT: 43 13.1 N LONG: 125 10.1 W
04 APR 2003 0310 GMT DEPTH 1654



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.60	32.361	10.60	24.792	0.063	0.76	86.9
10	10.60	32.361	10.60	24.792	0.315	0.71	86.8
20	10.60	32.361	10.60	24.792	0.630	0.73	86.8
30	10.60	32.361	10.60	24.792	0.945	0.72	86.8
40	10.56	32.362	10.56	24.799	1.260	0.78	86.9
50	10.38	32.375	10.37	24.841	1.573	0.76	87.8
60	10.32	32.378	10.31	24.854	1.884	0.62	88.4
70	9.50	32.631	9.49	25.186	2.181	0.28	89.2
80	8.72	32.859	8.71	25.487	2.446	0.20	89.4
90	7.76	32.938	7.76	25.690	2.684	0.17	89.6
100	7.45	33.053	7.44	25.825	2.908	0.16	89.7
110	7.40	33.265	7.39	25.998	3.118	0.14	89.8
120	7.49	33.427	7.48	26.114	3.314	0.15	89.8
130	7.56	33.580	7.55	26.225	3.500	0.14	89.8
140	7.53	33.693	7.51	26.318	3.674	0.14	89.8
150	7.59	33.803	7.57	26.396	3.842	0.14	89.8
175	7.34	33.918	7.32	26.522	4.235	0.15	89.8
200	7.22	33.945	7.20	26.561	4.613	0.15	89.8
225	6.92	33.949	6.90	26.606	4.981	0.14	89.9
250	6.72	33.959	6.70	26.639	5.341	0.15	90.0
275	6.44	33.956	6.42	26.675	5.695	0.15	90.0
300	6.24	33.973	6.22	26.714	6.038	0.15	90.0
350	5.48	33.977	5.45	26.811	6.695	0.15	90.0
400	5.22	34.028	5.19	26.883	7.314	0.15	90.0
450	5.06	34.084	5.02	26.947	7.901	0.15	90.1
500	4.87	34.119	4.83	26.996	8.467	0.15	90.1
600	4.58	34.199	4.54	27.093	9.539	0.15	90.1
800	4.11	34.320	4.05	27.240	11.460	0.15	90.0
1000	3.47	34.417	3.39	27.383	13.110	0.15	90.0
1006	3.45	34.418	3.38	27.385	13.156	0.15	90.0

W0304A

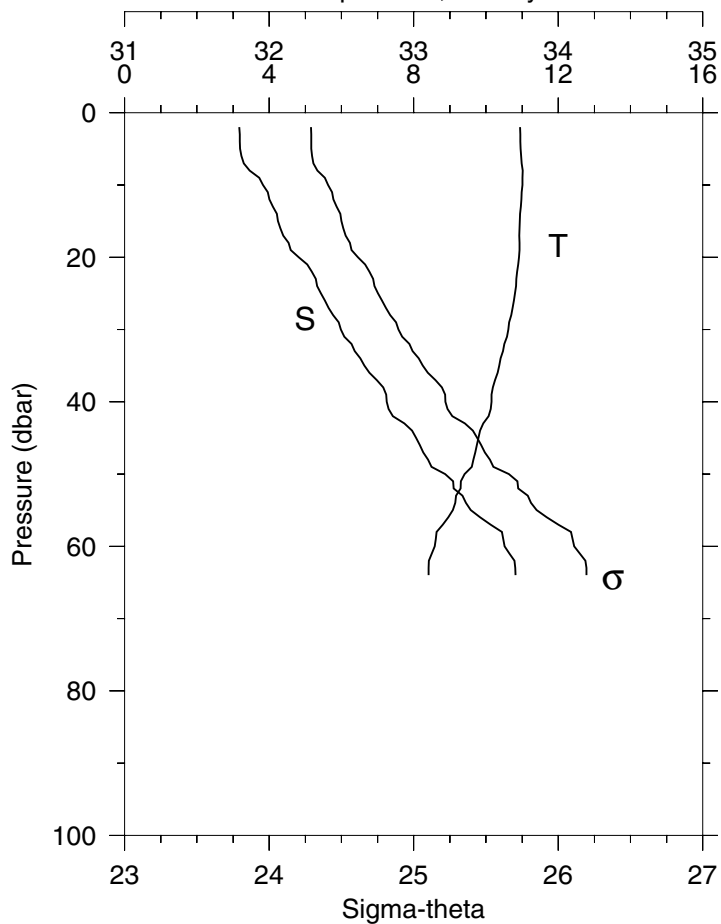
Station 21 CR-1
Temperature, Salinity



STA: 21 CR-1 LAT: 41 54.0 N LONG: 124 18.1 W
04 APR 2003 1338 GMT DEPTH 41

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.98	32.015	10.98	24.455	0.104	1.53	81.5
10	11.07	32.052	11.07	24.470	0.346	1.46	81.5
20	10.92	32.218	10.92	24.625	0.688	1.15	83.3
30	10.27	32.730	10.27	25.136	0.995	0.44	84.2
38	10.05	32.870	10.04	25.282	1.211	0.34	70.9

Station 22 CR-2
Temperature, Salinity

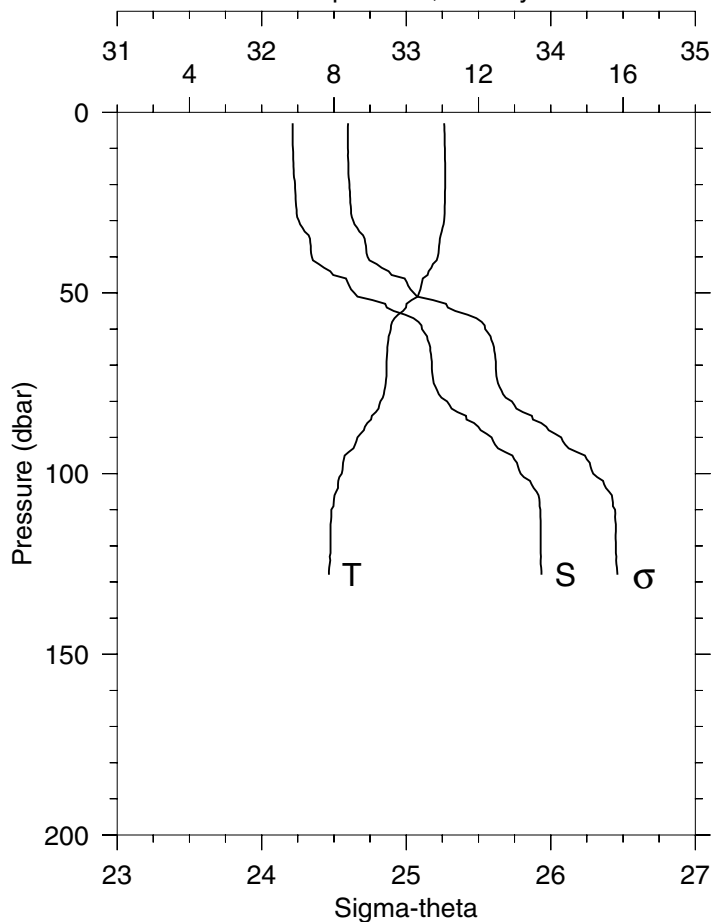


STA: 22 CR-2 LAT: 41 54.0 N LONG: 124 24.1 W
04 APR 2003 1451 GMT DEPTH 68

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.94	31.793	10.94	24.290	0.072	2.42	79.0
10	11.01	31.958	11.01	24.407	0.360	2.03	81.1
20	10.92	32.204	10.92	24.614	0.703	0.93	85.1
30	10.62	32.497	10.61	24.895	1.021	0.59	84.7
40	10.16	32.813	10.15	25.220	1.310	0.30	84.4
50	9.41	33.218	9.41	25.659	1.566	0.20	85.3
60	8.59	33.629	8.58	26.110	1.777	0.22	69.3
64	8.42	33.704	8.41	26.195	1.851	0.18	73.3

W0304A

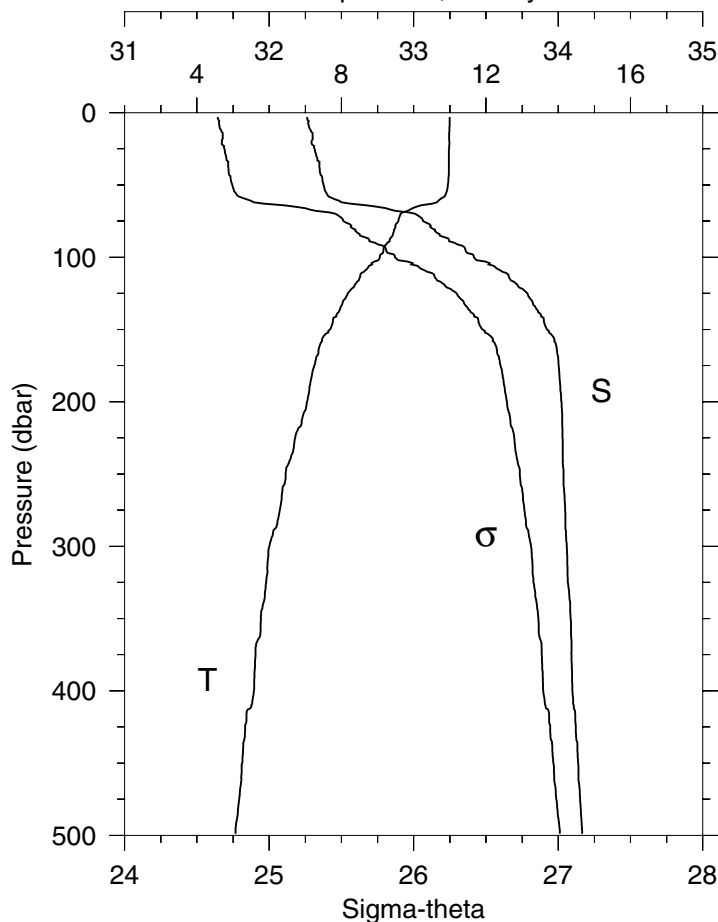
Station 23 CR-3
Temperature, Salinity



STA: 23 CR-3 LAT: 41 54.0 N LONG: 124 30.0 W
04 APR 2003 1615 GMT DEPTH 138

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.05	32.214	11.05	24.598	0.100	1.23	83.9
10	11.07	32.216	11.07	24.597	0.333	1.30	83.8
20	11.08	32.230	11.07	24.607	0.666	1.25	84.4
30	11.05	32.256	11.04	24.633	0.998	1.11	85.2
40	10.87	32.347	10.87	24.733	1.323	0.55	87.9
50	10.36	32.641	10.35	25.052	1.627	0.22	88.0
60	9.57	33.109	9.57	25.547	1.891	0.19	86.3
70	9.46	33.178	9.45	25.620	2.130	0.18	86.4
80	9.28	33.283	9.27	25.730	2.364	0.17	86.2
90	8.65	33.591	8.64	26.072	2.576	0.17	82.9
100	8.22	33.791	8.20	26.294	2.759	0.16	84.3
110	7.93	33.928	7.92	26.444	2.923	0.15	88.0
120	7.90	33.930	7.89	26.450	3.083	0.16	85.2
128	7.86	33.936	7.84	26.461	3.210	0.16	79.6

Station 24 CR-4
Temperature, Salinity



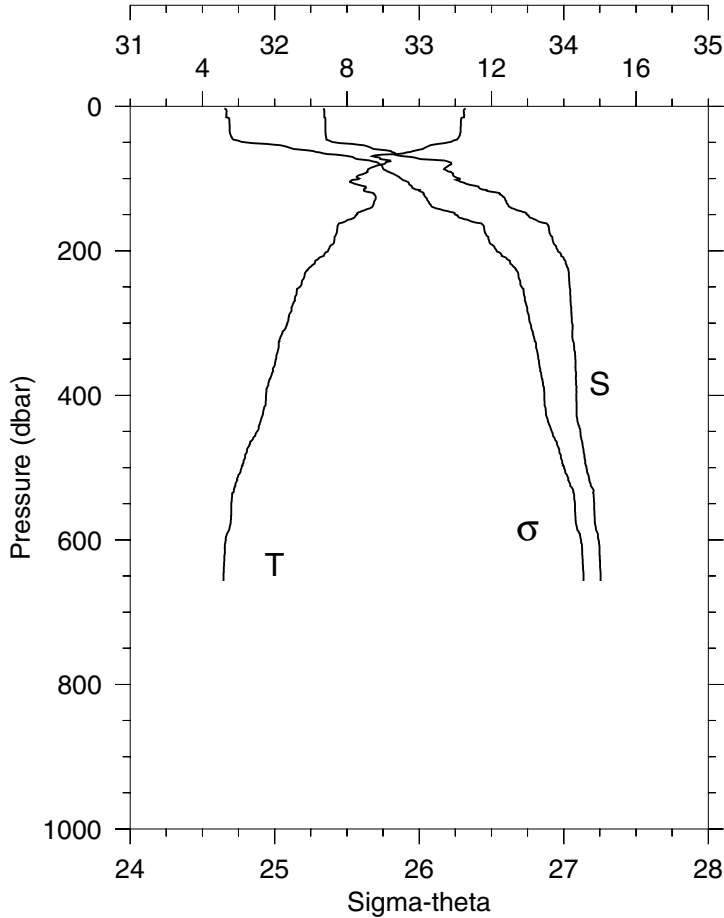
STA: 24 CR-4 LAT: 41 54.0 N LONG: 124 36.0 W
04 APR 2003 1800 GMT DEPTH 504

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.00	32.261	11.00	24.644	0.099	0.63	85.8
10	10.99	32.276	10.99	24.657	0.328	0.95	85.7
20	10.98	32.294	10.98	24.673	0.655	0.90	86.1
30	10.98	32.327	10.97	24.700	0.980	0.78	86.8
40	10.97	32.351	10.97	24.719	1.302	0.63	87.3
50	10.94	32.377	10.94	24.745	1.624	0.50	88.1
60	10.72	32.457	10.72	24.846	1.941	0.36	88.8
70	9.64	33.010	9.63	25.460	2.224	0.23	88.4
80	9.48	33.125	9.48	25.575	2.471	0.18	88.1
90	9.27	33.284	9.26	25.734	2.706	0.18	87.4
100	9.06	33.416	9.05	25.870	2.925	0.17	85.4
110	8.63	33.613	8.62	26.092	3.128	0.18	83.9
120	8.36	33.721	8.35	26.218	3.314	0.16	84.4
130	8.05	33.818	8.04	26.340	3.489	0.16	83.7
140	7.86	33.882	7.84	26.419	3.656	0.16	84.8
150	7.68	33.923	7.67	26.476	3.815	0.15	86.2
175	7.25	34.003	7.23	26.602	4.188	0.16	87.8
200	7.05	34.022	7.03	26.645	4.547	0.16	88.4
225	6.72	34.030	6.70	26.696	4.896	0.15	89.5
250	6.46	34.036	6.44	26.735	5.234	0.15	89.7
275	6.29	34.048	6.27	26.766	5.565	0.16	89.7
300	6.01	34.058	5.99	26.811	5.888	0.16	89.9
350	5.77	34.086	5.74	26.863	6.512	0.16	89.5
400	5.58	34.098	5.55	26.896	7.116	0.15	89.7
450	5.25	34.138	5.22	26.967	7.696	0.15	88.8
499	5.07	34.165	5.03	27.011	8.243	0.15	88.2

W0304A

Station 25 CR-5
Temperature, Salinity

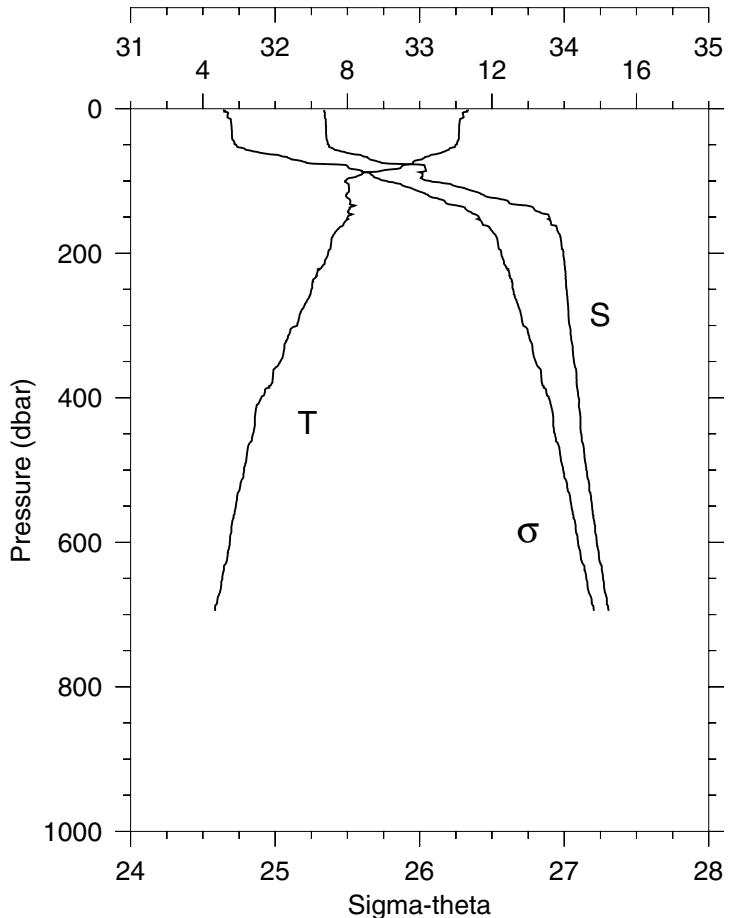
STA: 25 CR-5 LAT: 41 54.0 N LONG: 124 42.0 W
04 APR 2003 2038 GMT DEPTH 659



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.29	32.336	11.29	24.651	0.098	0.34	87.2
10	11.24	32.344	11.24	24.666	0.327	0.44	87.3
20	11.15	32.350	11.15	24.686	0.653	0.65	87.0
30	11.15	32.351	11.14	24.688	0.978	0.70	87.4
40	11.12	32.353	11.12	24.695	1.304	0.60	87.8
50	10.81	32.413	10.80	24.797	1.626	0.44	88.5
60	10.02	32.719	10.02	25.169	1.919	0.22	89.1
70	8.79	32.943	8.78	25.541	2.181	0.18	89.1
80	9.01	33.222	9.00	25.726	2.416	0.19	88.6
90	8.55	33.198	8.54	25.778	2.641	0.17	88.9
100	8.34	33.280	8.33	25.875	2.859	0.16	89.0
110	8.42	33.387	8.41	25.946	3.068	0.15	88.8
120	8.72	33.553	8.71	26.030	3.272	0.16	88.1
130	8.78	33.597	8.77	26.056	3.470	0.16	87.3
140	8.68	33.631	8.66	26.099	3.665	0.15	86.0
150	8.27	33.745	8.26	26.250	3.850	0.23	84.4
175	7.72	33.901	7.70	26.454	4.265	0.15	86.1
200	7.47	33.959	7.45	26.535	4.655	0.15	87.0
225	6.93	34.029	6.91	26.666	5.018	0.16	88.5
250	6.69	34.041	6.67	26.708	5.363	0.15	88.9
275	6.50	34.049	6.47	26.741	5.700	0.16	89.1
300	6.35	34.058	6.32	26.767	6.030	0.15	89.0
350	6.04	34.080	6.01	26.825	6.672	0.15	88.4
400	5.76	34.087	5.72	26.865	7.294	0.15	89.4
450	5.51	34.115	5.48	26.918	7.901	0.16	88.6
500	5.08	34.158	5.04	27.003	8.472	0.15	89.3
600	4.65	34.241	4.60	27.119	9.517	0.16	89.1
657	4.59	34.255	4.54	27.136	10.082	0.16	87.4

Station 26 CR-6
Temperature, Salinity

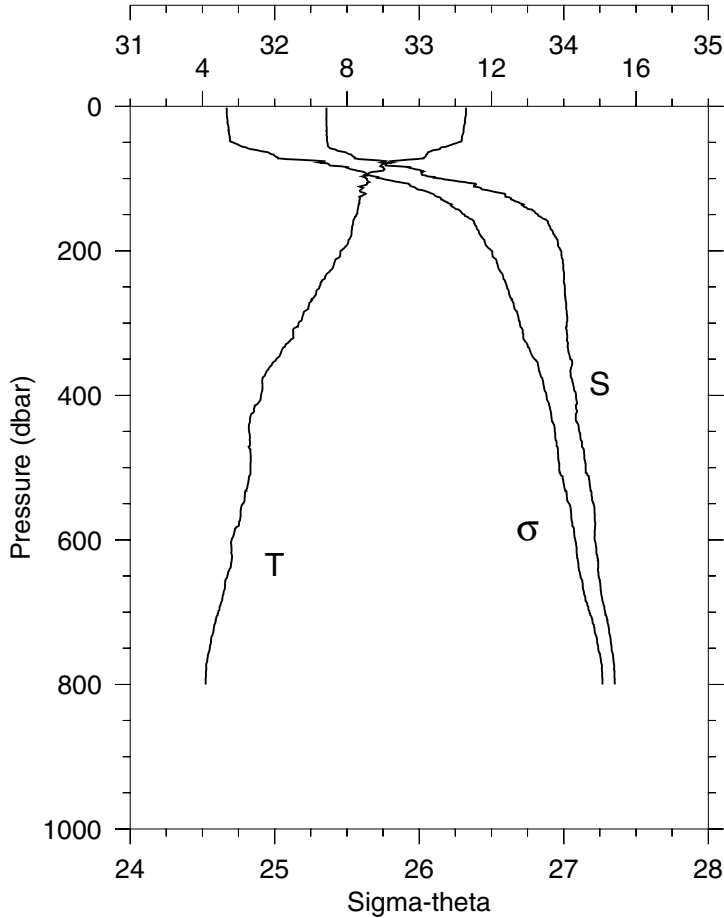
STA: 26 CR-6 LAT: 41 54.0 N LONG: 124 48.0 W
04 APR 2003 2211 GMT DEPTH 698



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.36	32.337	11.36	24.640	0.066	0.48	86.8
10	11.21	32.343	11.21	24.670	0.327	0.65	86.7
20	11.10	32.351	11.10	24.696	0.652	0.75	86.5
30	11.09	32.353	11.09	24.700	0.976	0.77	86.6
40	11.08	32.354	11.08	24.702	1.300	0.77	87.1
50	11.00	32.371	10.99	24.731	1.623	0.61	87.8
60	10.64	32.480	10.63	24.878	1.940	0.28	88.9
70	10.06	32.655	10.06	25.112	2.235	0.27	89.0
80	9.50	33.035	9.49	25.502	2.503	0.21	89.2
90	8.41	33.020	8.40	25.660	2.745	0.17	89.3
100	7.93	33.074	7.92	25.772	2.975	0.15	89.6
110	8.05	33.312	8.04	25.943	3.189	0.15	89.7
120	7.96	33.446	7.95	26.061	3.391	0.15	89.7
130	8.08	33.617	8.07	26.178	3.580	0.15	89.7
140	8.04	33.795	8.03	26.324	3.757	0.15	89.6
150	8.01	33.896	7.99	26.408	3.924	0.15	89.3
175	7.61	33.971	7.59	26.525	4.321	0.16	86.0
200	7.47	33.994	7.45	26.564	4.699	0.16	88.0
225	7.17	34.009	7.15	26.617	5.068	0.16	89.6
250	7.00	34.016	6.98	26.647	5.427	0.15	89.4
275	6.79	34.027	6.76	26.684	5.778	0.15	89.4
300	6.61	34.036	6.58	26.716	6.122	0.16	89.3
350	6.14	34.068	6.11	26.802	6.779	0.15	89.0
400	5.62	34.100	5.58	26.893	7.400	0.15	89.1
450	5.38	34.118	5.35	26.936	7.989	0.15	89.6
500	5.14	34.153	5.10	26.992	8.558	0.15	89.0
600	4.75	34.225	4.70	27.095	9.622	0.15	89.2
695	4.34	34.307	4.28	27.205	10.548	0.16	87.7

W0304A

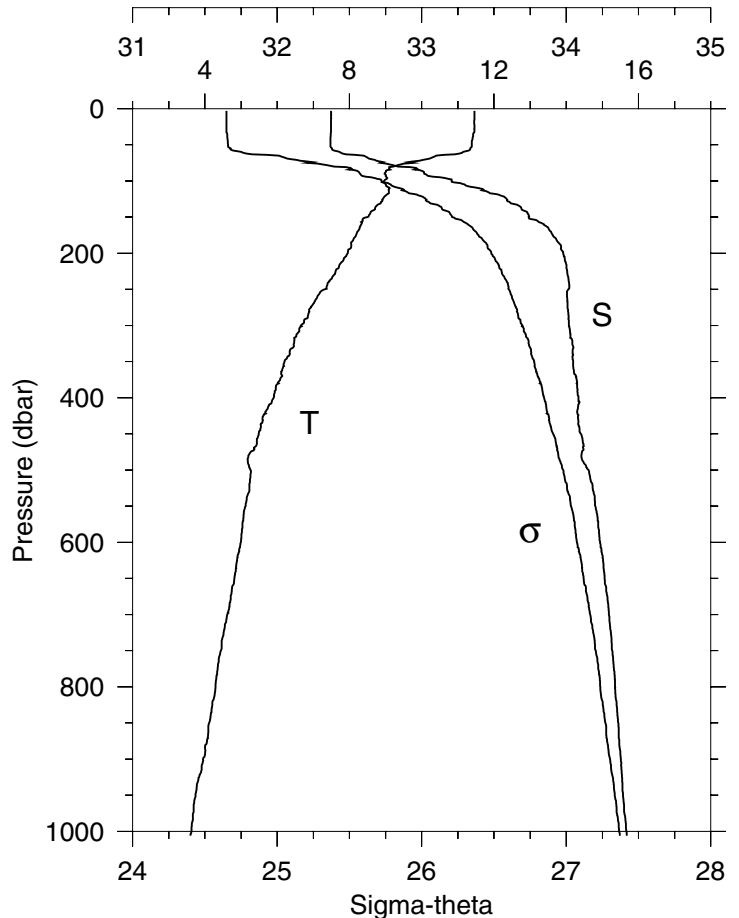
Station 27 CR-7
Temperature, Salinity



STA: 27 CR-7 LAT: 41 54.0 N LONG: 125 0.1 W
05 APR 2003 0048 GMT DEPTH 835

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.29	32.359	11.29	24.668	0.065	0.67	87.0
10	11.30	32.359	11.29	24.668	0.327	0.70	87.0
20	11.26	32.359	11.26	24.674	0.653	0.75	87.1
30	11.23	32.360	11.23	24.681	0.979	0.75	87.5
40	11.20	32.360	11.19	24.686	1.305	0.73	87.8
50	11.08	32.364	11.07	24.711	1.630	0.59	88.1
60	10.52	32.420	10.51	24.852	1.948	0.31	88.8
70	10.16	32.548	10.15	25.012	2.248	0.25	89.1
80	8.99	32.769	8.98	25.375	2.524	0.19	89.3
90	8.86	33.029	8.85	25.599	2.774	0.16	89.5
100	8.55	33.154	8.54	25.744	3.008	0.15	89.7
110	8.44	33.378	8.43	25.937	3.223	0.16	89.7
120	8.48	33.563	8.47	26.076	3.425	0.15	89.6
130	8.34	33.651	8.33	26.166	3.615	0.15	89.7
140	8.31	33.739	8.29	26.240	3.797	0.16	89.7
150	8.26	33.824	8.24	26.314	3.973	0.16	89.7
175	8.13	33.926	8.11	26.414	4.390	0.15	89.8
200	7.83	33.981	7.81	26.502	4.790	0.16	89.8
225	7.59	33.997	7.57	26.550	5.174	0.16	89.9
250	7.24	34.008	7.21	26.608	5.545	0.16	89.9
275	6.95	34.016	6.93	26.654	5.905	0.16	89.9
300	6.66	34.020	6.63	26.696	6.255	0.15	90.0
350	6.04	34.045	6.01	26.797	6.926	0.15	90.0
400	5.62	34.085	5.59	26.881	7.548	0.15	90.1
450	5.29	34.107	5.25	26.938	8.141	0.15	90.1
500	5.33	34.151	5.29	26.968	8.715	0.16	90.1
600	4.80	34.214	4.76	27.080	9.799	0.15	89.3
800	4.09	34.352	4.03	27.268	11.703	0.15	88.7

Station 28 CR-8
Temperature, Salinity



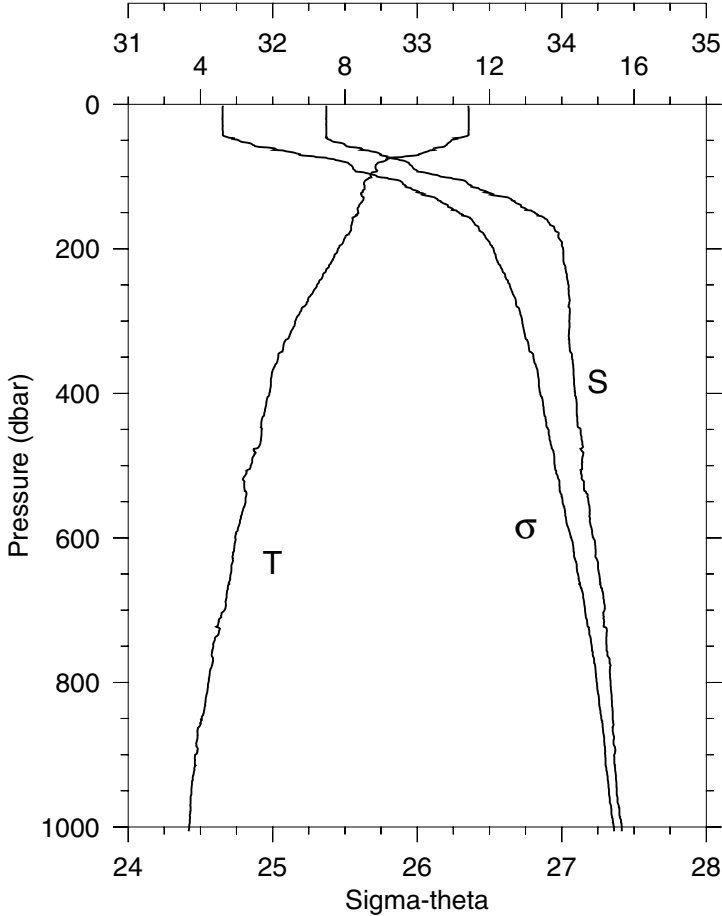
STA: 28 CR-8 LAT: 41 54.0 N LONG: 125 12.1 W
05 APR 2003 0242 GMT DEPTH 2726

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.46	32.373	11.46	24.649	0.098	1.01	85.1
10	11.46	32.373	11.46	24.649	0.328	1.13	85.0
20	11.45	32.372	11.45	24.650	0.657	1.12	85.2
30	11.46	32.373	11.46	24.649	0.985	0.93	85.2
40	11.41	32.369	11.41	24.655	1.314	0.89	85.9
50	11.39	32.369	11.38	24.660	1.642	0.93	86.4
60	11.14	32.432	11.14	24.753	1.969	0.40	88.8
70	10.11	32.658	10.10	25.107	2.270	0.21	89.2
80	9.21	32.837	9.20	25.394	2.543	0.20	89.2
90	8.98	33.019	8.97	25.573	2.789	0.17	89.0
100	8.96	33.206	8.95	25.722	3.024	0.16	89.1
110	9.11	33.397	9.10	25.848	3.247	0.16	88.4
120	9.01	33.544	9.00	25.978	3.458	0.15	88.4
130	8.87	33.612	8.86	26.054	3.658	0.16	88.7
140	8.70	33.693	8.68	26.145	3.849	0.15	88.9
150	8.51	33.740	8.49	26.210	4.033	0.15	89.2
175	8.18	33.908	8.16	26.392	4.463	0.15	89.6
200	7.95	33.979	7.93	26.482	4.865	0.15	89.7
225	7.62	34.007	7.59	26.553	5.250	0.16	89.7
250	7.32	34.015	7.30	26.601	5.622	0.15	89.8
275	6.93	34.010	6.91	26.652	5.982	0.16	89.9
300	6.66	34.021	6.63	26.698	6.333	0.15	89.5
350	6.20	34.047	6.18	26.778	7.005	0.15	90.0
400	5.90	34.085	5.87	26.846	7.644	0.15	90.0
450	5.49	34.101	5.45	26.910	8.254	0.15	89.8
500	5.27	34.154	5.23	26.979	8.834	0.15	90.0
600	4.99	34.234	4.95	27.074	9.917	0.15	90.1
800	4.29	34.338	4.23	27.236	11.855	0.16	90.0
1000	3.63	34.416	3.56	27.367	13.545	0.15	90.0
1006	3.60	34.420	3.53	27.372	13.592	0.15	90.0

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Station 29 CR-9a
Temperature, Salinity

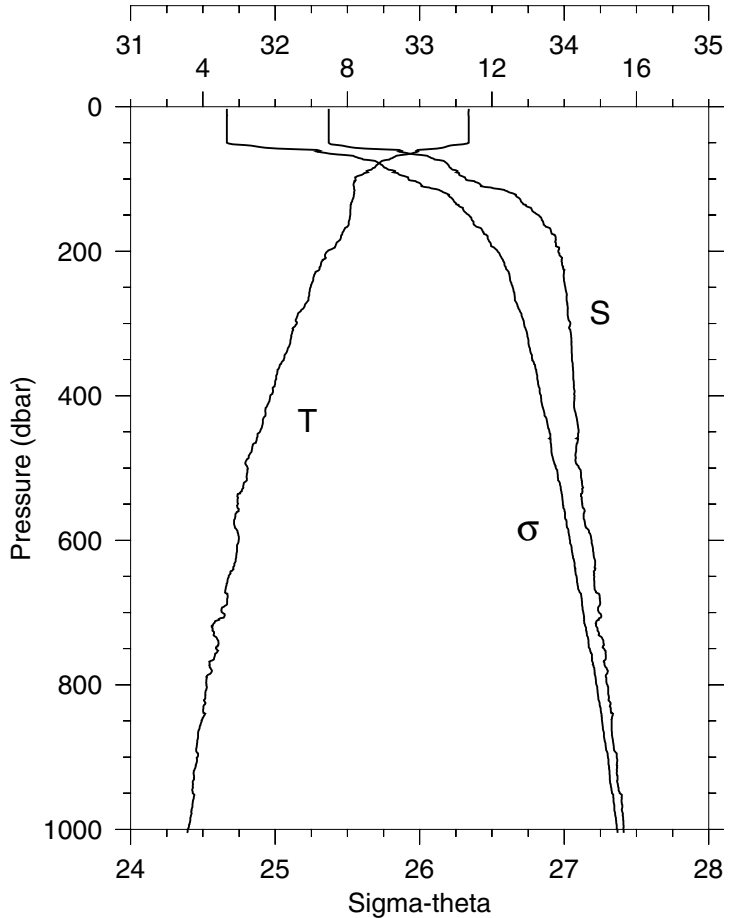
STA: 29 CR-9a LAT: 41 54.0 N LONG: 125 24.0 W
05 APR 2003 0425 GMT DEPTH 3096



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.42	32.371	11.42	24.655	0.066	0.80	86.5
10	11.42	32.371	11.42	24.654	0.328	0.85	86.6
20	11.43	32.369	11.42	24.652	0.656	0.87	86.6
30	11.42	32.371	11.42	24.655	0.984	0.89	86.7
40	11.43	32.371	11.42	24.655	1.313	0.89	86.6
50	10.94	32.402	10.94	24.764	1.638	0.41	88.5
60	10.57	32.580	10.56	24.968	1.948	0.28	88.9
70	10.04	32.745	10.03	25.186	2.236	0.20	89.1
80	8.97	32.931	8.96	25.505	2.497	0.17	89.4
90	8.86	32.981	8.85	25.561	2.742	0.17	89.4
100	8.72	33.160	8.71	25.722	2.977	0.17	89.3
110	8.53	33.350	8.52	25.901	3.194	0.16	89.6
120	8.49	33.471	8.48	26.002	3.401	0.15	89.6
130	8.52	33.636	8.51	26.127	3.598	0.15	89.6
140	8.39	33.718	8.37	26.212	3.784	0.15	89.6
150	8.37	33.814	8.35	26.290	3.963	0.15	89.3
175	8.17	33.955	8.15	26.431	4.380	0.16	89.6
200	7.80	34.010	7.78	26.528	4.772	0.16	89.7
225	7.55	34.026	7.53	26.577	5.150	0.16	89.8
250	7.23	34.047	7.20	26.640	5.515	0.15	89.8
275	6.94	34.051	6.91	26.684	5.868	0.16	89.7
300	6.62	34.052	6.59	26.727	6.210	0.15	89.8
350	6.15	34.071	6.12	26.804	6.872	0.15	89.6
400	5.91	34.092	5.87	26.851	7.502	0.16	89.8
450	5.70	34.130	5.66	26.907	8.112	0.15	90.0
500	5.39	34.140	5.35	26.953	8.699	0.15	90.0
600	4.96	34.219	4.91	27.066	9.806	0.15	90.0
800	4.22	34.337	4.16	27.242	11.750	0.15	90.0
1000	3.69	34.416	3.62	27.361	13.441	0.15	90.0
1006	3.67	34.416	3.59	27.363	13.489	0.15	90.1

Station 30 CR-10
Temperature, Salinity

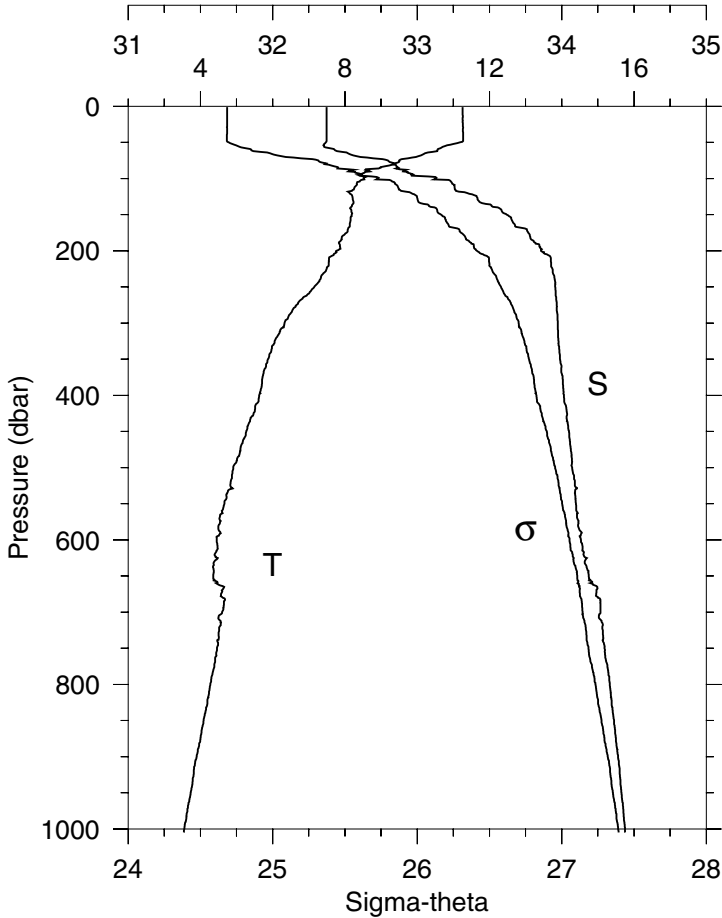
STA: 30 CR-10 LAT: 41 54.0 N LONG: 125 40.0 W
05 APR 2003 0659 GMT DEPTH 2929



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.36	32.370	11.36	24.665	0.098	0.61	87.7
10	11.35	32.370	11.35	24.666	0.327	0.62	87.6
20	11.35	32.370	11.35	24.666	0.654	0.67	87.6
30	11.36	32.370	11.36	24.665	0.981	0.67	87.5
40	11.36	32.370	11.35	24.666	1.308	0.67	87.6
50	11.36	32.370	11.35	24.666	1.636	0.71	87.5
60	9.94	32.857	9.94	25.290	1.942	0.37	89.3
70	9.27	33.073	9.26	25.568	2.200	0.20	89.5
80	8.83	33.195	8.82	25.732	2.433	0.19	89.5
90	8.54	33.261	8.53	25.830	2.655	0.33	89.6
100	8.22	33.319	8.21	25.923	2.869	0.16	89.6
110	8.17	33.424	8.16	26.013	3.072	0.17	89.6
120	8.19	33.645	8.18	26.184	3.263	0.16	89.6
130	8.14	33.699	8.12	26.234	3.445	0.17	89.6
140	8.09	33.770	8.07	26.298	3.622	0.16	89.7
150	8.08	33.821	8.06	26.339	3.795	0.16	89.7
175	7.86	33.912	7.84	26.443	4.209	0.16	89.7
200	7.45	33.960	7.43	26.539	4.600	0.15	89.8
225	7.23	33.995	7.20	26.599	4.972	0.16	89.9
250	6.98	34.008	6.96	26.644	5.333	0.16	89.8
275	6.82	34.022	6.79	26.677	5.686	0.16	89.9
300	6.60	34.043	6.57	26.722	6.030	0.16	89.9
350	6.23	34.054	6.20	26.780	6.695	0.16	90.0
400	5.86	34.071	5.83	26.840	7.333	0.16	90.0
450	5.58	34.100	5.54	26.898	7.949	0.16	90.0
500	5.24	34.103	5.20	26.942	8.543	0.16	90.1
600	4.99	34.190	4.94	27.040	9.661	0.15	90.1
800	4.10	34.298	4.04	27.224	11.653	0.15	90.1
1000	3.58	34.410	3.51	27.367	13.348	0.15	90.1
1005	3.56	34.411	3.49	27.369	13.387	0.15	90.1

W0304A

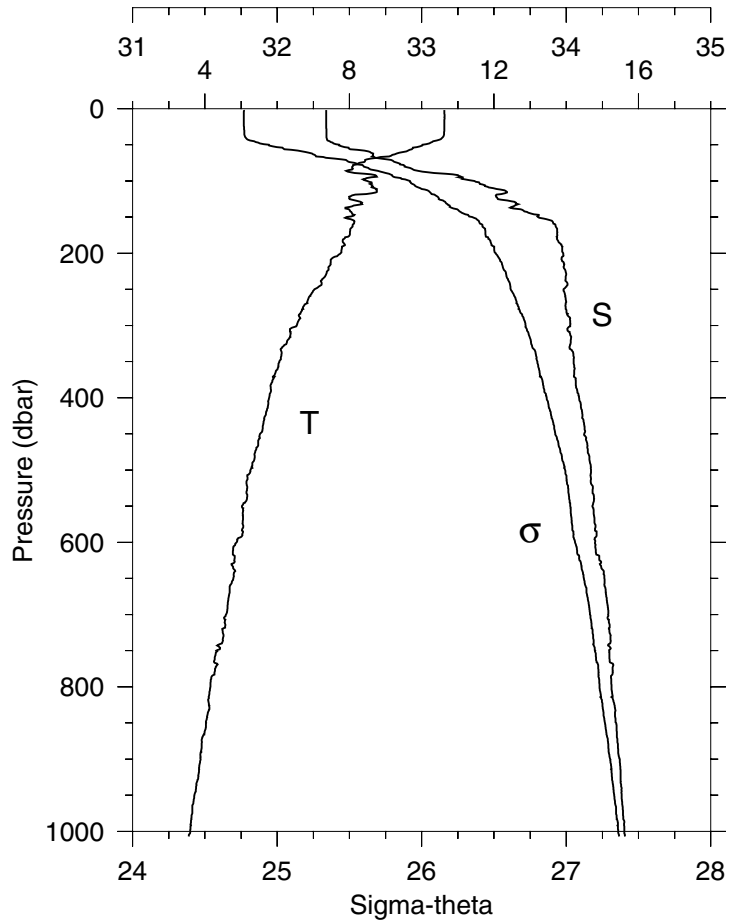
Station 31 CR-11
Temperature, Salinity



STA: 31 CR-11 LAT: 41 54.0 N LONG: 126 0.1 W
05 APR 2003 0933 GMT DEPTH 3325

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	11.26	32.372	11.26	24.685	0.032	0.61	87.8
10	11.26	32.372	11.26	24.685	0.325	0.64	87.7
20	11.26	32.372	11.26	24.684	0.650	0.65	87.8
30	11.27	32.372	11.26	24.684	0.975	0.66	87.7
40	11.27	32.372	11.27	24.683	1.301	0.67	87.8
50	11.19	32.367	11.18	24.695	1.627	0.61	88.1
60	10.56	32.427	10.56	24.850	1.945	0.31	89.1
70	9.96	32.607	9.96	25.091	2.245	0.25	89.3
80	9.39	32.831	9.38	25.361	2.514	0.19	89.3
90	8.70	32.902	8.69	25.524	2.767	0.18	89.4
100	8.52	33.129	8.51	25.729	3.003	0.17	89.5
110	8.30	33.257	8.29	25.863	3.221	0.15	89.6
120	8.13	33.345	8.12	25.957	3.433	0.14	89.6
130	8.22	33.420	8.21	26.003	3.636	0.15	89.6
140	8.15	33.558	8.14	26.121	3.834	0.15	89.5
150	8.18	33.619	8.17	26.165	4.022	0.15	89.6
175	8.05	33.768	8.03	26.302	4.475	0.15	89.6
200	7.76	33.856	7.74	26.414	4.897	0.15	89.8
225	7.49	33.936	7.47	26.515	5.291	0.15	89.8
250	7.15	33.955	7.13	26.579	5.670	0.15	89.8
275	6.66	33.965	6.63	26.654	6.033	0.15	89.9
300	6.32	33.972	6.30	26.702	6.382	0.15	89.9
350	5.87	33.988	5.84	26.773	7.052	0.15	89.9
400	5.63	34.015	5.59	26.825	7.694	0.15	90.0
450	5.27	34.050	5.23	26.896	8.311	0.15	90.0
500	4.91	34.072	4.87	26.954	8.899	0.15	90.1
600	4.45	34.133	4.40	27.054	10.002	0.15	90.1
800	4.27	34.333	4.21	27.233	11.969	0.15	89.9
1000	3.55	34.437	3.48	27.390	13.634	0.15	90.0
1005	3.54	34.439	3.46	27.394	13.672	0.15	90.0

Station 32 RR-7
Temperature, Salinity



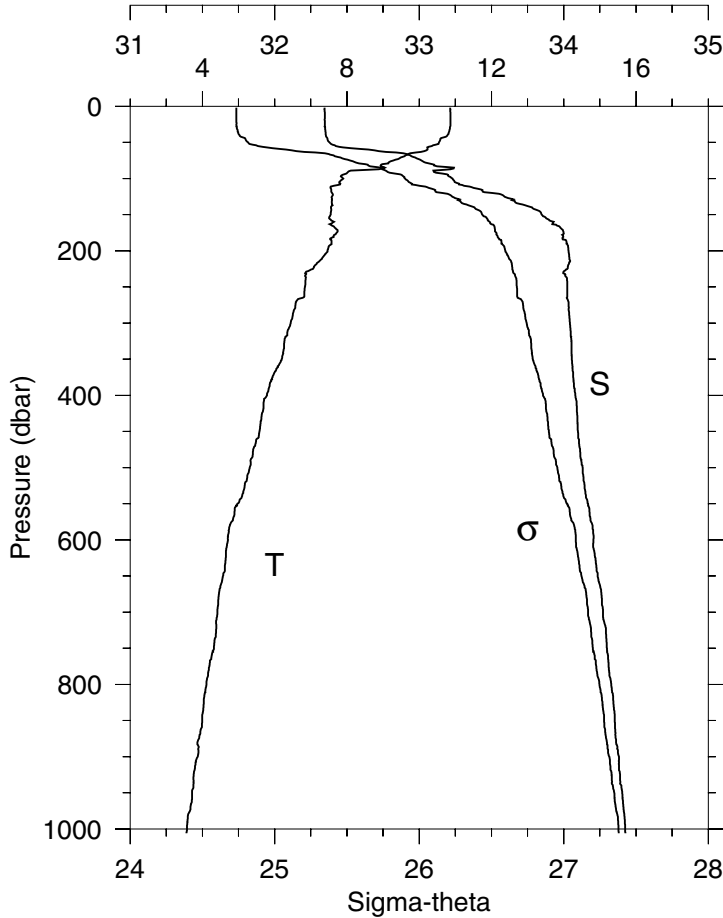
STA: 32 RR-7 LAT: 42 30.0 N LONG: 125 12.1 W
05 APR 2003 1510 GMT DEPTH 2973

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.62	32.339	10.62	24.770	0.063	0.63	87.2
10	10.63	32.340	10.63	24.769	0.317	0.61	87.2
20	10.63	32.340	10.63	24.770	0.634	0.61	87.3
30	10.62	32.341	10.62	24.772	0.951	0.61	87.3
40	10.57	32.342	10.57	24.782	1.268	0.60	87.5
50	10.02	32.429	10.02	24.943	1.579	0.42	88.5
60	9.49	32.641	9.49	25.194	1.870	0.25	89.1
70	8.48	32.762	8.47	25.448	2.138	0.26	89.2
80	8.08	32.881	8.07	25.600	2.384	0.17	89.4
90	8.43	33.170	8.42	25.774	2.616	0.15	89.2
100	8.49	33.365	8.48	25.918	2.833	0.15	89.0
110	8.70	33.497	8.69	25.990	3.040	0.15	88.6
120	8.08	33.512	8.06	26.096	3.237	0.15	88.8
130	8.34	33.651	8.33	26.165	3.426	0.16	89.1
140	8.00	33.695	7.99	26.251	3.610	0.15	89.0
150	7.93	33.804	7.91	26.348	3.784	0.14	89.2
175	8.01	33.939	7.99	26.442	4.192	0.15	89.2
200	7.75	33.979	7.73	26.512	4.585	0.15	89.5
225	7.38	33.996	7.35	26.579	4.963	0.15	89.8
250	7.03	33.982	7.01	26.616	5.330	0.15	89.9
275	6.71	33.997	6.69	26.671	5.686	0.15	89.9
300	6.53	34.028	6.51	26.719	6.031	0.15	89.9
350	6.06	34.052	6.03	26.800	6.691	0.15	90.0
400	5.78	34.089	5.74	26.865	7.321	0.16	90.0
450	5.52	34.125	5.49	26.925	7.921	0.15	90.0
500	5.26	34.171	5.22	26.992	8.494	0.16	90.0
600	4.88	34.199	4.83	27.060	9.582	0.16	90.0
800	4.15	34.313	4.09	27.231	11.523	0.15	90.0
1000	3.59	34.403	3.52	27.360	13.215	0.15	90.1
1007	3.55	34.407	3.48	27.367	13.270	0.15	90.1

W0304A

Station 33 RR-6
Temperature, Salinity

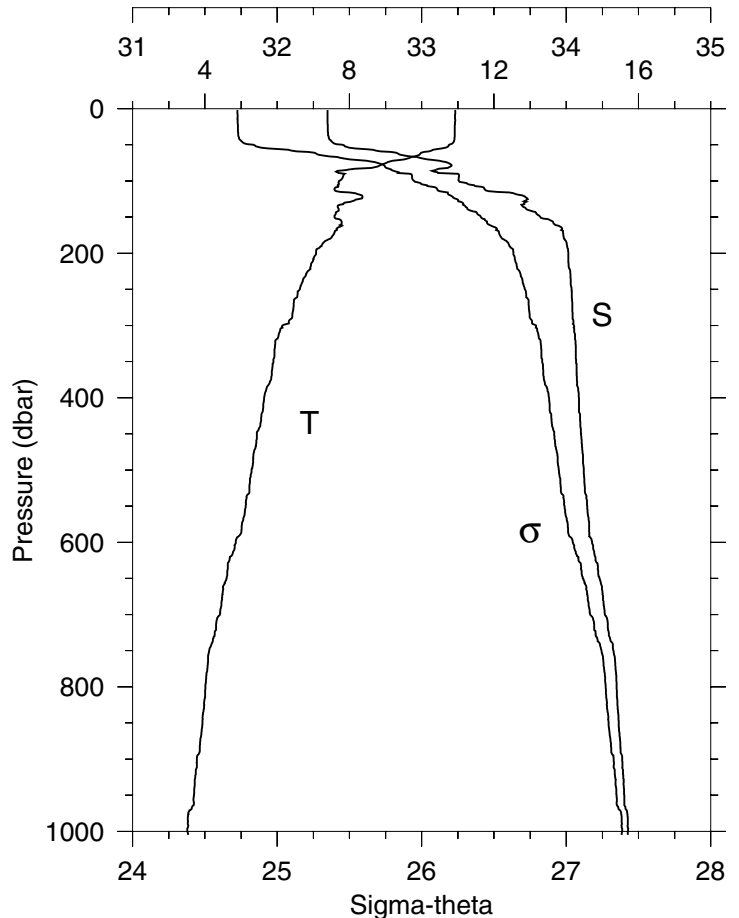
STA: 33 RR-6 LAT: 42 30.0 N LONG: 125 0.1 W
05 APR 2003 1657 GMT DEPTH 1769



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.86	32.345	10.86	24.734	0.064	0.58	86.9
10	10.87	32.347	10.86	24.735	0.320	0.69	87.0
20	10.86	32.347	10.86	24.735	0.641	0.67	87.0
30	10.85	32.349	10.85	24.739	0.961	0.68	87.0
40	10.78	32.354	10.77	24.756	1.281	0.65	87.3
50	10.55	32.379	10.54	24.815	1.597	0.46	88.2
60	10.23	32.647	10.22	25.078	1.901	0.24	88.8
70	9.53	32.960	9.52	25.438	2.169	0.21	88.8
80	8.98	33.090	8.97	25.628	2.416	0.18	88.9
90	8.04	33.100	8.03	25.777	2.645	0.15	89.4
100	7.90	33.231	7.89	25.902	2.860	0.14	89.5
110	7.63	33.311	7.62	26.002	3.067	0.14	89.6
120	7.59	33.505	7.58	26.161	3.260	0.14	89.8
130	7.58	33.643	7.57	26.270	3.440	0.14	89.8
140	7.56	33.780	7.54	26.382	3.612	0.14	89.8
150	7.55	33.847	7.53	26.436	3.775	0.15	89.8
175	7.71	33.999	7.70	26.533	4.163	0.16	89.8
200	7.46	34.033	7.44	26.596	4.536	0.15	89.8
225	7.06	34.024	7.04	26.645	4.896	0.15	89.8
250	6.84	34.024	6.81	26.676	5.247	0.15	87.8
275	6.57	34.033	6.55	26.718	5.592	0.15	88.3
300	6.44	34.042	6.41	26.743	5.929	0.15	87.9
350	6.20	34.056	6.16	26.786	6.586	0.16	88.1
400	5.79	34.079	5.75	26.856	7.219	0.16	88.9
450	5.58	34.098	5.54	26.897	7.826	0.15	88.6
500	5.30	34.131	5.26	26.956	8.415	0.16	89.5
600	4.71	34.205	4.66	27.084	9.506	0.15	89.9
800	4.11	34.328	4.05	27.247	11.432	0.15	90.0
1000	3.57	34.424	3.50	27.379	13.097	0.15	90.0
1006	3.56	34.426	3.48	27.381	13.143	0.15	90.0

Station 34 RR-5
Temperature, Salinity

STA: 34 RR-5 LAT: 42 30.0 N LONG: 124 54.0 W
05 APR 2003 1831 GMT DEPTH 1159

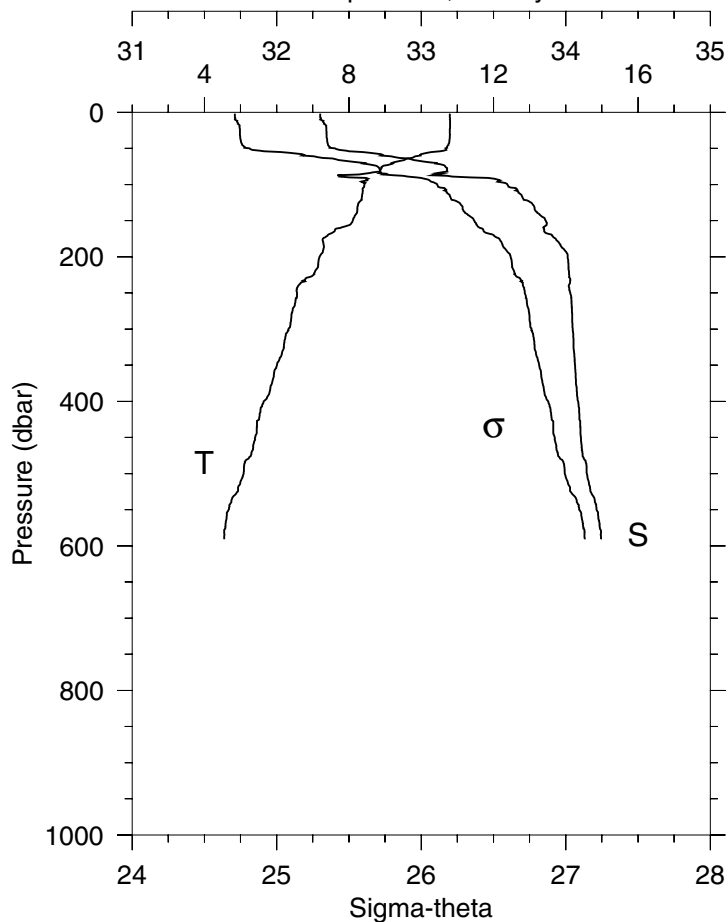


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.93	32.349	10.92	24.726	0.064	0.49	86.8
10	10.92	32.349	10.92	24.726	0.321	0.67	86.7
20	10.92	32.349	10.92	24.727	0.642	0.70	86.7
30	10.92	32.351	10.91	24.729	0.963	0.75	87.0
40	10.91	32.357	10.90	24.735	1.285	0.66	87.3
50	10.76	32.452	10.75	24.835	1.603	0.41	88.7
60	10.07	32.787	10.06	25.214	1.901	0.19	89.0
70	9.52	33.040	9.51	25.502	2.165	0.19	88.9
80	8.78	33.200	8.77	25.745	2.397	0.16	88.9
90	7.86	33.250	7.86	25.921	2.617	0.14	89.5
100	7.71	33.258	7.70	25.949	2.824	0.15	89.4
110	7.59	33.433	7.58	26.104	3.024	0.15	89.6
120	8.35	33.695	8.34	26.199	3.212	0.15	87.4
130	7.87	33.711	7.86	26.283	3.391	0.15	89.0
140	7.71	33.733	7.69	26.324	3.564	0.15	89.6
150	7.59	33.820	7.57	26.410	3.730	0.15	89.7
175	7.55	33.980	7.53	26.540	4.122	0.16	87.3
200	7.08	34.014	7.06	26.634	4.487	0.15	87.6
225	6.84	34.028	6.82	26.677	4.840	0.16	88.0
250	6.63	34.037	6.60	26.714	5.183	0.16	88.1
275	6.45	34.042	6.43	26.741	5.519	0.16	88.3
300	6.14	34.054	6.12	26.791	5.850	0.16	88.5
350	5.90	34.069	5.87	26.834	6.482	0.16	88.6
400	5.64	34.088	5.61	26.881	7.101	0.15	88.5
450	5.44	34.102	5.40	26.917	7.701	0.15	88.6
500	5.29	34.121	5.25	26.949	8.287	0.15	88.7
600	4.86	34.178	4.81	27.046	9.410	0.16	89.3
800	4.02	34.349	3.96	27.273	11.318	0.15	89.3
1000	3.52	34.428	3.45	27.387	12.960	0.15	89.0
1005	3.53	34.426	3.46	27.383	12.999	0.15	88.9

W0304A

Station 35 RR-4
Temperature, Salinity

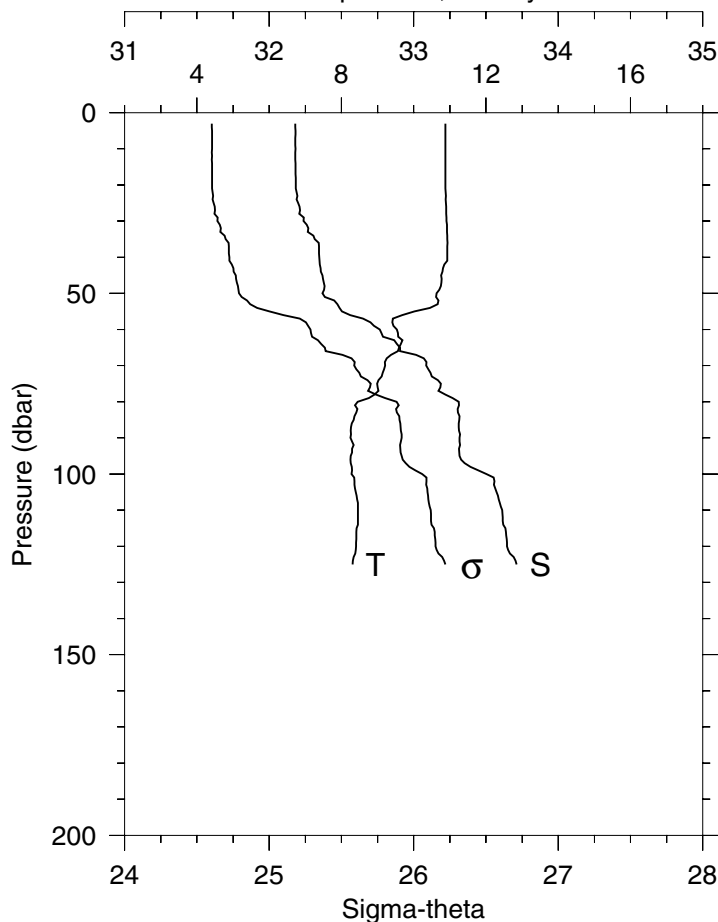
STA: 35 RR-4 LAT: 42 30.0 N LONG: 124 48.0 W
05 APR 2003 2017 GMT DEPTH 600



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.80	32.300	10.80	24.710	0.064	0.73	85.9
10	10.79	32.301	10.79	24.711	0.322	0.80	86.0
20	10.80	32.341	10.80	24.742	0.643	0.81	86.4
30	10.79	32.345	10.79	24.745	0.963	0.75	87.0
40	10.78	32.349	10.77	24.752	1.282	0.71	87.3
50	10.67	32.402	10.67	24.812	1.600	0.57	88.4
60	9.98	32.723	9.97	25.180	1.896	0.27	88.9
70	9.19	33.103	9.18	25.605	2.154	0.19	88.9
80	8.86	33.178	8.85	25.715	2.385	0.16	88.9
90	8.02	33.337	8.01	25.967	2.608	0.15	89.2
100	8.43	33.597	8.42	26.111	2.803	0.16	88.1
110	8.38	33.671	8.37	26.175	2.991	0.16	87.4
120	8.35	33.706	8.34	26.207	3.175	0.15	86.8
130	8.24	33.781	8.22	26.284	3.353	0.16	84.5
140	8.20	33.810	8.19	26.311	3.527	0.16	85.7
150	8.10	33.861	8.09	26.367	3.697	0.16	85.9
175	7.28	33.930	7.26	26.540	4.100	0.15	89.7
200	7.18	34.014	7.17	26.619	4.469	0.15	88.0
225	7.01	34.025	6.99	26.652	4.827	0.16	88.2
250	6.57	34.031	6.54	26.717	5.170	0.15	88.4
275	6.44	34.042	6.41	26.743	5.506	0.15	88.2
300	6.33	34.049	6.30	26.763	5.837	0.16	88.3
350	6.01	34.064	5.98	26.816	6.485	0.15	88.4
400	5.64	34.085	5.61	26.879	7.109	0.16	88.5
450	5.40	34.105	5.36	26.923	7.705	0.15	88.9
500	5.08	34.146	5.04	26.993	8.278	0.15	88.7
591	4.55	34.242	4.50	27.130	9.220	0.16	88.8

Station 36 RR-3
Temperature, Salinity

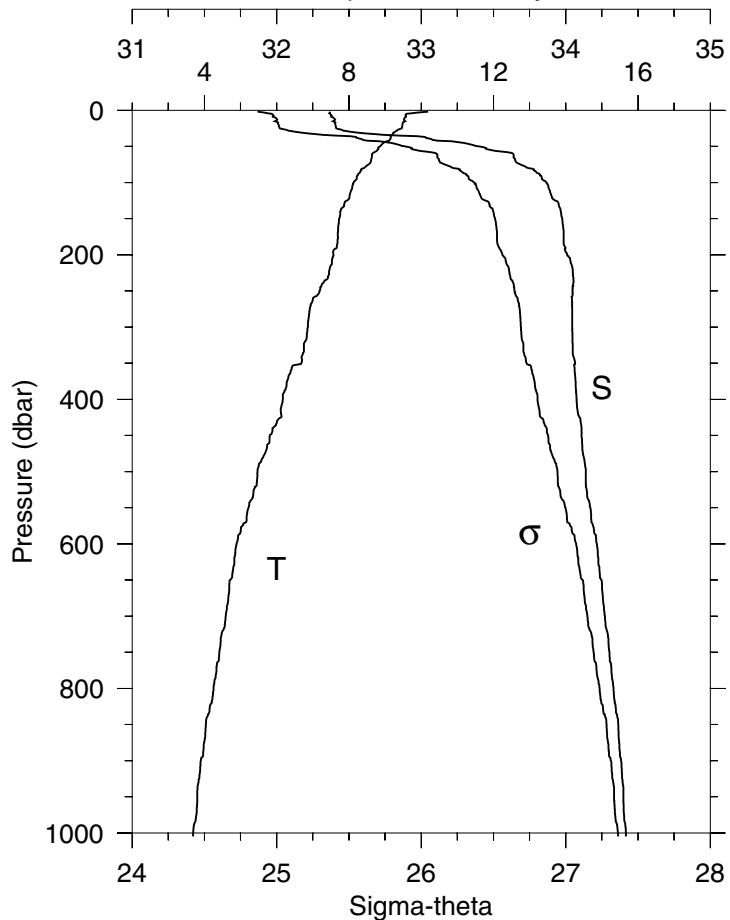
STA: 36 RR-3 LAT: 42 30.0 N LONG: 124 42.0 W
05 APR 2003 2255 GMT DEPTH 132



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.88	32.180	10.87	24.603	0.100	1.18	84.4
10	10.88	32.182	10.88	24.604	0.333	1.42	84.3
20	10.88	32.184	10.88	24.605	0.665	1.33	84.3
30	10.91	32.237	10.91	24.642	0.997	1.54	84.7
40	10.93	32.347	10.93	24.724	1.322	0.75	87.0
50	10.63	32.368	10.63	24.792	1.640	0.46	88.3
60	9.53	32.766	9.53	25.286	1.933	0.22	88.9
70	9.21	33.087	9.20	25.589	2.189	0.19	88.7
80	8.45	33.311	8.44	25.882	2.420	0.16	88.9
90	8.25	33.318	8.24	25.917	2.630	0.22	89.0
100	8.28	33.503	8.27	26.058	2.838	0.15	88.8
110	8.46	33.612	8.45	26.117	3.030	0.16	87.6
120	8.40	33.646	8.39	26.152	3.219	0.16	87.0
125	8.31	33.712	8.30	26.219	3.311	0.16	86.3

W0304A

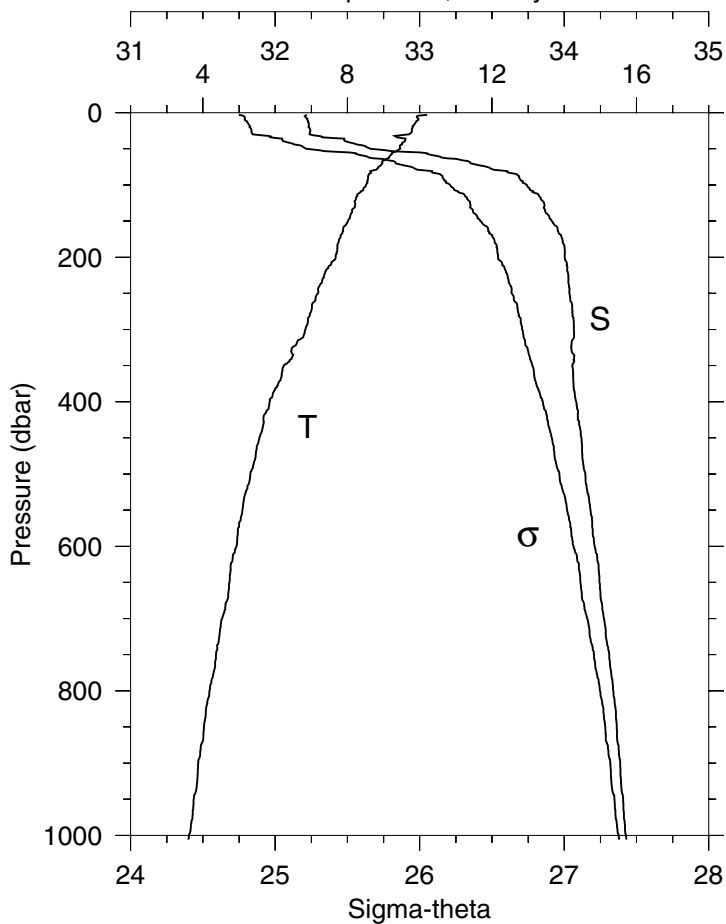
Station 37 RR-5
Temperature, Salinity



STA: 37 RR-2 LAT: 42 30.0 N LONG: 124 36.0 W
06 APR 2003 0040 GMT DEPTH 86

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	10.90	32.063	10.90	24.508	0.034	1.78	81.7
10	10.90	32.064	10.90	24.508	0.342	1.95	81.8
20	10.91	32.066	10.90	24.509	0.684	1.67	81.8
30	10.89	32.182	10.89	24.603	1.022	1.06	85.2
40	10.83	32.244	10.83	24.661	1.353	0.98	86.3
50	10.47	32.530	10.47	24.945	1.675	0.73	86.0
60	9.38	32.999	9.37	25.493	1.942	0.18	88.7
70	8.61	33.316	8.60	25.862	2.168	0.17	88.4
80	8.50	33.521	8.49	26.039	2.373	0.16	87.3
81	8.50	33.535	8.49	26.050	2.393	0.17	86.8

Station 38 RR-6
Temperature, Salinity



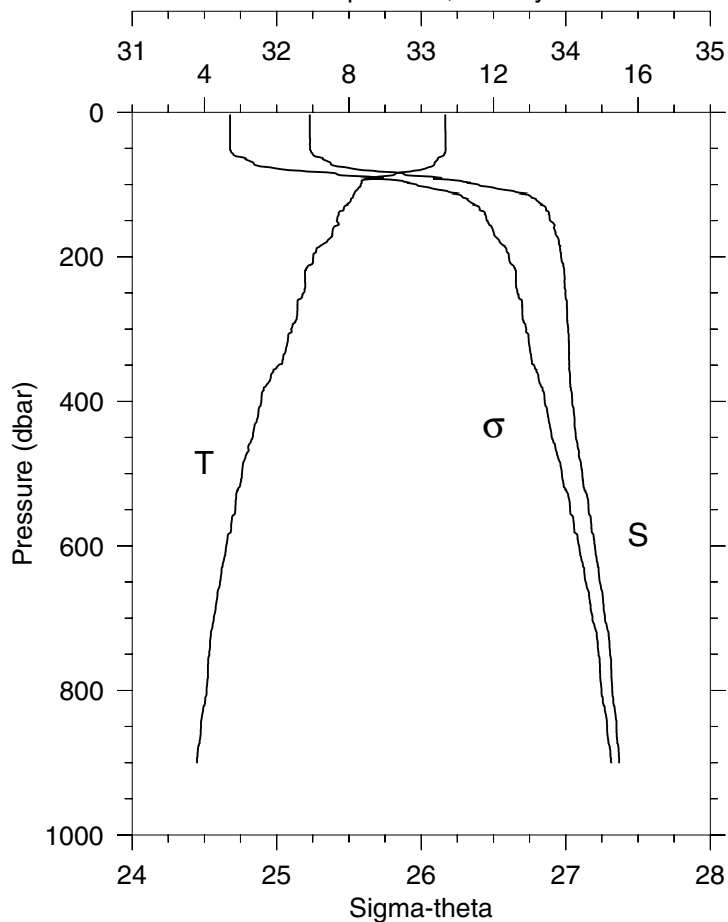
STA: 38 RR-1 LAT: 42 30.1 N LONG: 124 30.0 W
06 APR 2003 0211 GMT DEPTH 37

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.83	31.110	10.83	23.778	0.123	2.41	76.4
10	10.87	31.443	10.87	24.030	0.409	2.29	77.5
20	10.95	31.985	10.95	24.438	0.767	2.05	79.9
30	10.96	32.103	10.95	24.529	1.110	3.13	81.0
33	10.90	32.160	10.90	24.583	1.211	1.34	83.2

W0304A

Station 39 HH-5
Temperature, Salinity

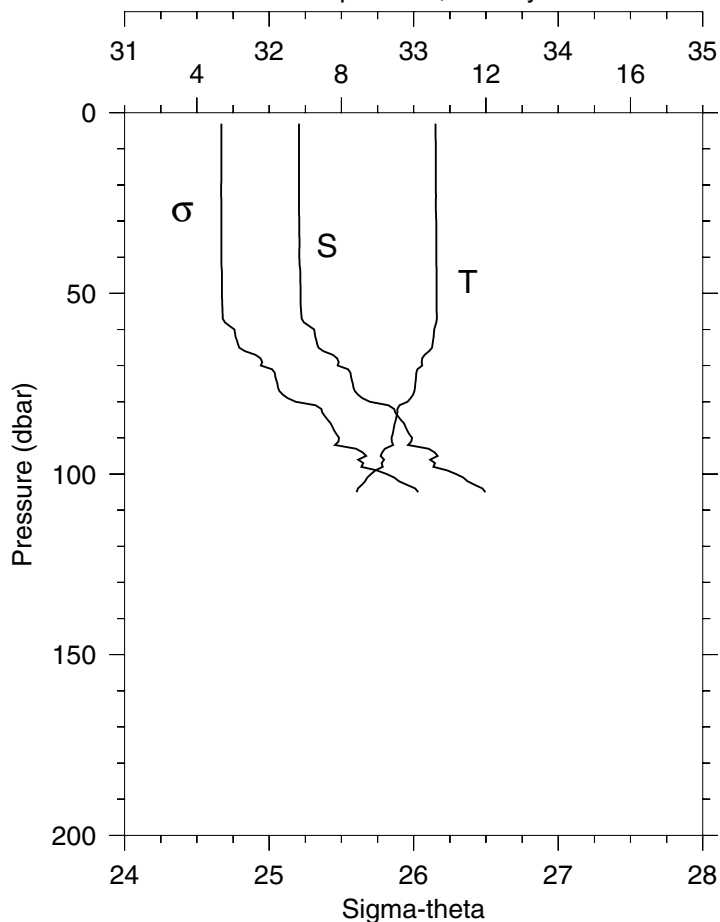
STA: 39 HH-5 LAT: 44 0.1 N LONG: 125 0.1 W
06 APR 2003 1112 GMT DEPTH 933



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.67	32.229	10.67	24.677	0.098	0.67	87.3
10	10.67	32.229	10.66	24.677	0.326	0.68	87.4
20	10.67	32.229	10.66	24.677	0.651	0.71	87.4
30	10.67	32.229	10.67	24.677	0.977	0.73	87.4
40	10.68	32.231	10.67	24.677	1.304	0.76	87.4
50	10.68	32.230	10.67	24.677	1.630	0.73	87.4
60	10.61	32.256	10.60	24.709	1.956	0.47	88.7
70	10.37	32.372	10.36	24.840	2.272	0.23	89.4
80	9.94	32.595	9.93	25.086	2.576	0.21	89.3
90	8.68	33.109	8.67	25.689	2.835	0.17	89.0
100	8.32	33.397	8.31	25.969	3.052	0.15	89.0
110	8.17	33.651	8.16	26.191	3.247	0.15	88.9
120	8.06	33.794	8.04	26.321	3.423	0.16	89.5
130	7.88	33.853	7.87	26.393	3.592	0.15	89.0
140	7.71	33.884	7.70	26.442	3.755	0.16	88.8
150	7.66	33.894	7.65	26.457	3.914	0.15	88.7
175	7.47	33.949	7.45	26.528	4.304	0.16	89.1
200	7.01	33.967	6.99	26.607	4.674	0.16	87.2
225	6.78	33.991	6.76	26.656	5.031	0.15	87.2
250	6.74	33.998	6.72	26.667	5.383	0.15	88.0
275	6.57	34.009	6.55	26.699	5.729	0.16	89.2
300	6.40	34.017	6.38	26.728	6.070	0.15	88.4
350	6.05	34.025	6.02	26.780	6.736	0.15	89.3
400	5.57	34.045	5.54	26.854	7.368	0.15	89.9
450	5.33	34.070	5.30	26.903	7.975	0.15	90.0
500	5.04	34.114	5.00	26.973	8.554	0.15	90.0
600	4.60	34.202	4.56	27.092	9.632	0.15	89.8
800	4.06	34.322	4.00	27.247	11.522	0.16	89.7
901	3.79	34.370	3.72	27.313	12.388	0.15	89.5

Station 40 HH-4
Temperature, Salinity

STA: 40 HH-4 LAT: 44 0.1 N LONG: 124 48.0 W
06 APR 2003 1318 GMT DEPTH 111

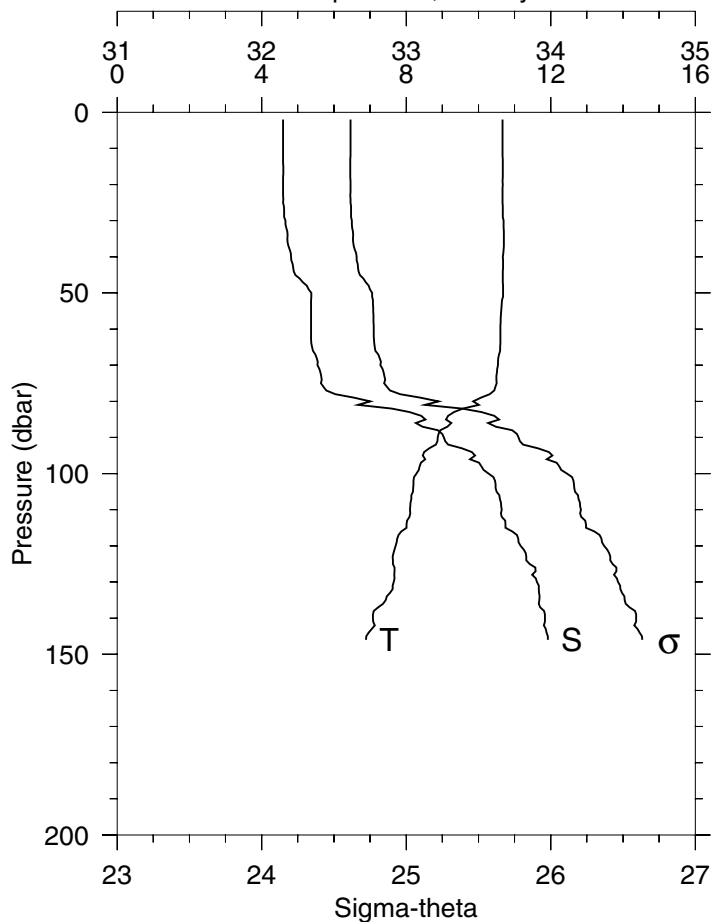


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.61	32.207	10.61	24.670	0.098	1.01	86.2
10	10.61	32.206	10.61	24.669	0.326	0.90	86.1
20	10.61	32.206	10.61	24.668	0.653	1.07	86.3
30	10.62	32.208	10.62	24.669	0.980	0.91	86.1
40	10.62	32.209	10.62	24.669	1.307	0.97	86.2
50	10.63	32.217	10.63	24.674	1.634	1.37	86.3
60	10.57	32.311	10.56	24.759	1.959	0.66	88.6
70	10.23	32.474	10.23	24.943	2.271	0.23	88.8
80	9.83	32.698	9.82	25.185	2.561	0.22	88.6
90	9.39	32.988	9.38	25.483	2.820	0.20	88.2
100	8.82	33.294	8.81	25.813	3.058	0.18	88.0
105	8.42	33.496	8.41	26.032	3.162	0.18	88.3

W0304A

Station 41 HH-3
Temperature, Salinity

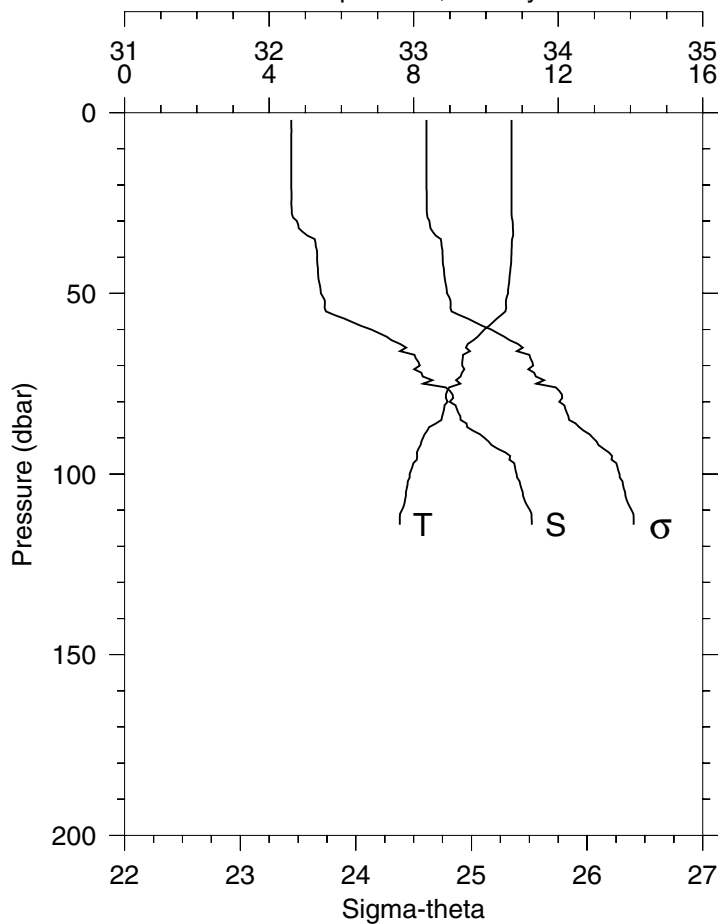
STA: 41 HH-3 LAT: 44 0.1 N LONG: 124 36.0 W
06 APR 2003 1440 GMT DEPTH 153



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.66	32.148	10.66	24.614	0.066	1.58	83.4
10	10.67	32.148	10.66	24.614	0.332	1.86	83.5
20	10.67	32.148	10.67	24.614	0.663	1.29	83.5
30	10.69	32.165	10.69	24.623	0.995	1.23	84.0
40	10.67	32.204	10.67	24.657	1.326	1.15	86.3
50	10.68	32.344	10.68	24.764	1.650	0.43	88.8
60	10.61	32.342	10.60	24.776	1.968	0.32	89.2
70	10.54	32.385	10.53	24.821	2.284	0.26	89.0
80	9.85	32.752	9.84	25.223	2.589	0.23	88.2
90	8.88	33.260	8.86	25.777	2.833	0.20	87.2
100	8.28	33.571	8.27	26.112	3.039	0.18	87.0
110	8.10	33.660	8.09	26.208	3.224	0.17	86.5
120	7.71	33.792	7.70	26.370	3.399	0.16	88.5
130	7.66	33.904	7.64	26.465	3.560	0.16	88.6
140	7.08	33.960	7.06	26.591	3.713	0.18	79.9
146	6.89	33.980	6.88	26.633	3.799	0.17	74.5

Station 42 HH-2
Temperature, Salinity

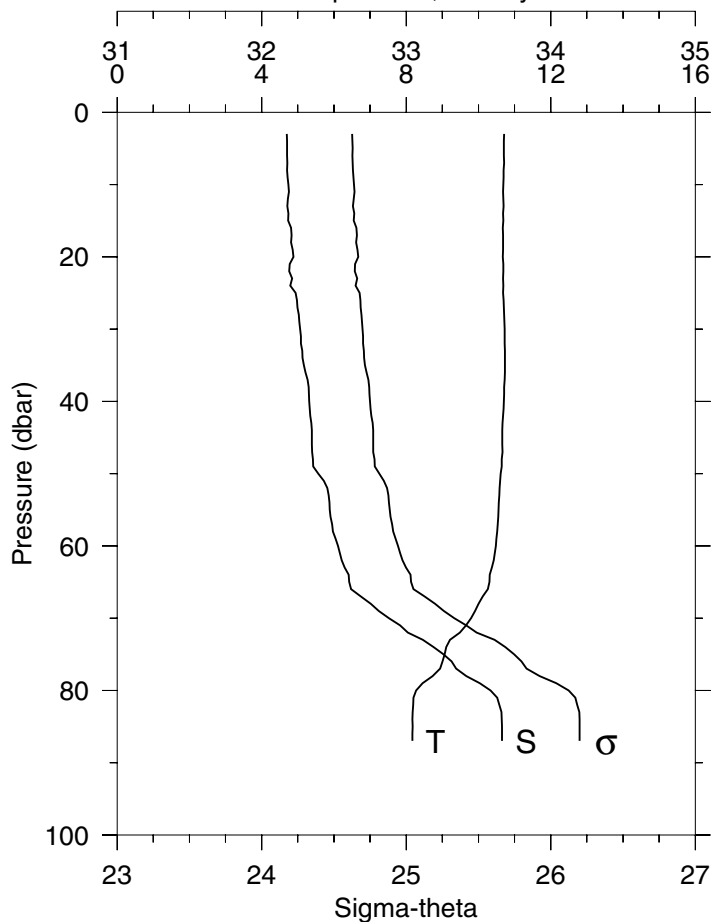
STA: 42 HH-2 LAT: 44 0.1 N LONG: 124 24.0 W
06 APR 2003 1604 GMT DEPTH 120



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.71	32.153	10.71	24.611	0.066	1.94	80.3
10	10.71	32.153	10.71	24.611	0.332	2.24	80.3
20	10.71	32.153	10.70	24.611	0.664	3.64	80.4
30	10.74	32.191	10.74	24.635	0.996	2.15	81.9
40	10.70	32.332	10.70	24.751	1.320	0.36	88.7
50	10.61	32.357	10.60	24.787	1.638	0.25	88.6
60	9.96	32.706	9.95	25.170	1.942	0.19	88.4
70	9.34	33.042	9.34	25.532	2.201	0.17	87.8
80	8.94	33.248	8.93	25.758	2.435	0.18	86.8
90	8.26	33.488	8.25	26.050	2.648	0.15	88.3
100	7.89	33.712	7.88	26.280	2.831	0.15	88.2
110	7.67	33.804	7.66	26.384	3.002	0.16	87.5
114	7.61	33.817	7.60	26.403	3.067	0.16	81.1

W0304A

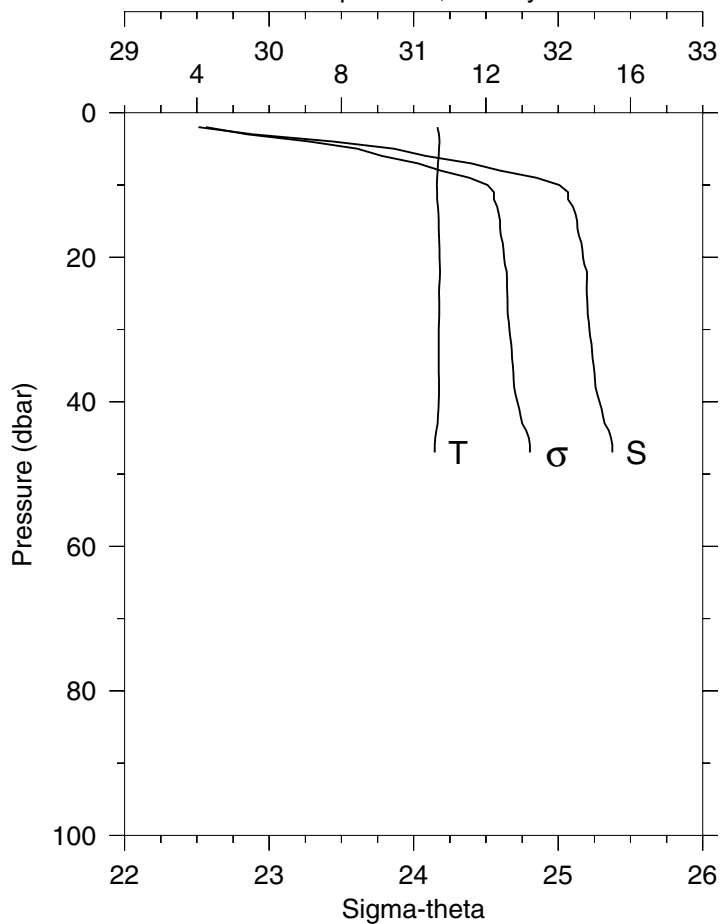
Station 43 HH-1.5
Temperature, Salinity



STA: 43 HH-1.5 LAT: 44 0.1 N LONG: 124 18.0 W
06 APR 2003 1750 GMT DEPTH 93

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.71	32.173	10.71	24.626	0.099	1.53	80.6
10	10.69	32.185	10.69	24.639	0.330	2.39	80.5
20	10.68	32.220	10.67	24.668	0.659	2.61	80.6
30	10.72	32.266	10.72	24.697	0.985	2.01	82.3
40	10.70	32.328	10.70	24.749	1.308	1.14	84.6
50	10.61	32.392	10.61	24.814	1.625	1.10	87.7
60	10.48	32.528	10.47	24.943	1.932	0.19	88.6
70	9.79	32.880	9.78	25.333	2.221	0.28	84.3
80	8.27	33.584	8.26	26.123	2.448	0.20	81.9
87	8.17	33.662	8.16	26.199	2.576	0.19	75.2

Station 44 HH-1
Temperature, Salinity

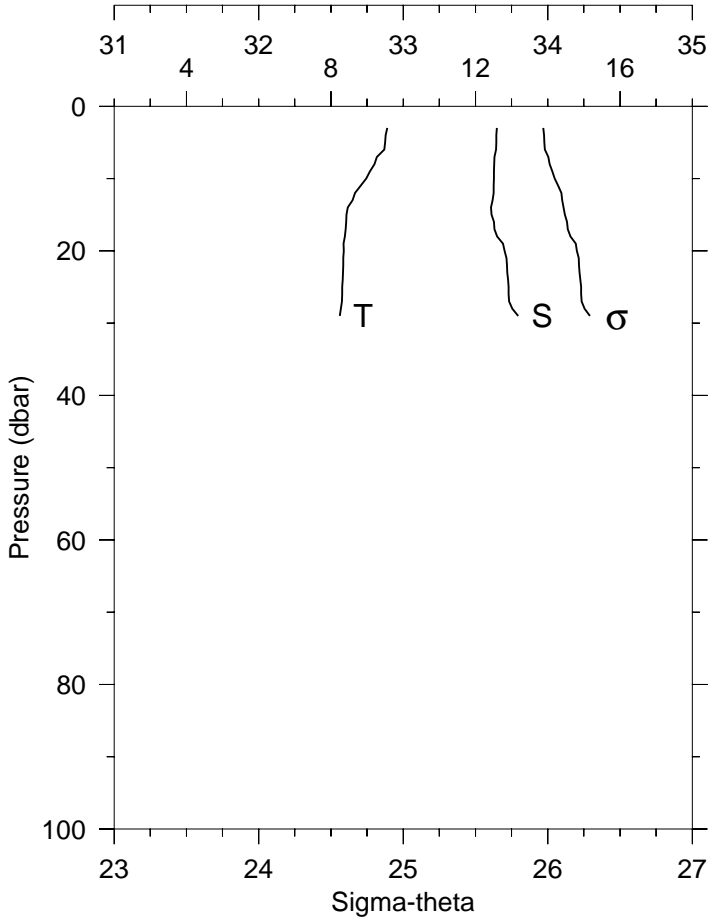


STA: 44 HH-1 LAT: 44 0.1 N LONG: 124 12.1 W
06 APR 2003 1851 GMT DEPTH 53

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.66	29.510	10.66	22.563	0.105	2.74	73.2
10	10.64	32.008	10.64	24.510	0.440	2.67	79.4
20	10.72	32.172	10.71	24.625	0.774	3.04	81.0
30	10.69	32.216	10.69	24.663	1.103	3.40	81.7
40	10.69	32.286	10.69	24.717	1.429	1.73	83.8
47	10.59	32.375	10.58	24.805	1.651	1.17	83.7

NH0307A

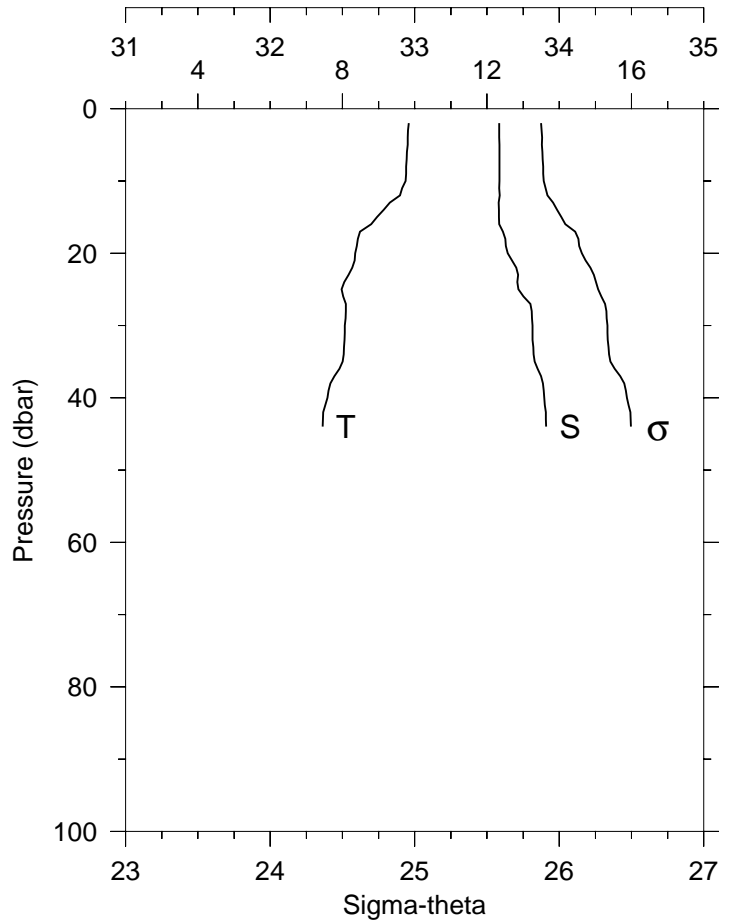
Station 1 NH-1
Temperature, Salinity



STA: 1 NH-1 LAT: 44 39.1 N LONG: 124 6.2 W
03 JUL 2003 0043 GMT DEPTH 33

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.56	33.647	9.56	25.969	0.061	3.53	65.7
10	8.97	33.628	8.97	26.048	0.201	3.22	69.5
20	8.36	33.701	8.35	26.201	0.389	0.80	80.2
29	8.25	33.795	8.24	26.292	0.549	0.54	75.1

Station 2 NH-3
Temperature, Salinity

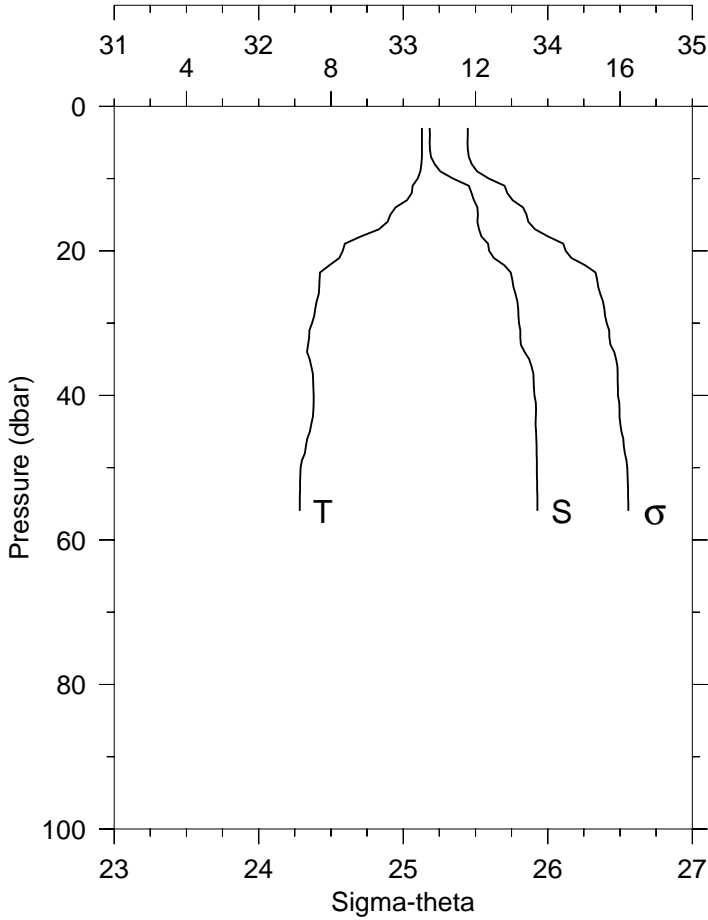


STA: 2 NH-3 LAT: 44 39.0 N LONG: 124 8.0 W
03 JUL 2003 0157 GMT DEPTH 49

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.84	33.585	9.84	25.875	0.042	5.00	58.7
10	9.74	33.587	9.74	25.892	0.211	5.00	58.7
20	8.35	33.643	8.35	26.156	0.409	2.91	73.2
30	8.07	33.815	8.07	26.333	0.584	0.26	84.5
40	7.59	33.896	7.58	26.468	0.747	0.23	84.2
44	7.45	33.909	7.45	26.497	0.809	0.23	83.8

NH0307A

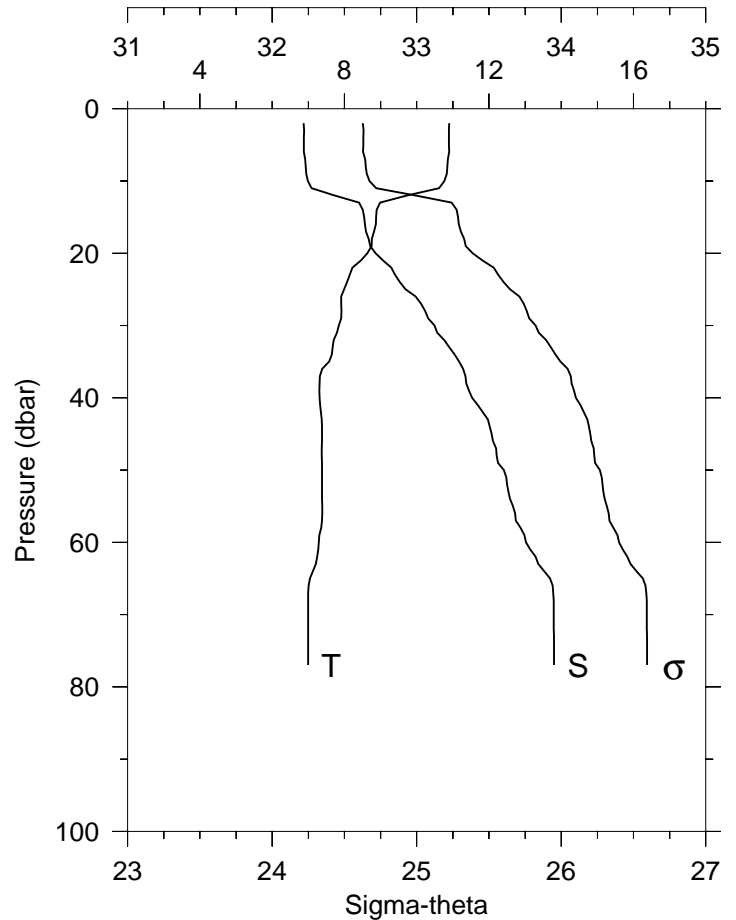
Station 3 NH-5
Temperature, Salinity



STA: 3 NH-5 LAT: 44 39.1 N LONG: 124 10.8 W
03 JUL 2003 0250 GMT DEPTH 61

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.52	33.183	10.52	25.446	0.076	5.00	57.6
10	10.40	33.346	10.40	25.593	0.251	5.00	53.9
20	8.33	33.595	8.32	26.123	0.464	2.78	79.7
30	7.48	33.801	7.48	26.408	0.633	0.14	87.9
40	7.52	33.908	7.52	26.486	0.790	0.12	87.2
50	7.16	33.924	7.16	26.550	0.942	0.11	86.4
56	7.14	33.929	7.13	26.557	1.030	0.12	85.4

Station 4 NH-10
Temperature, Salinity



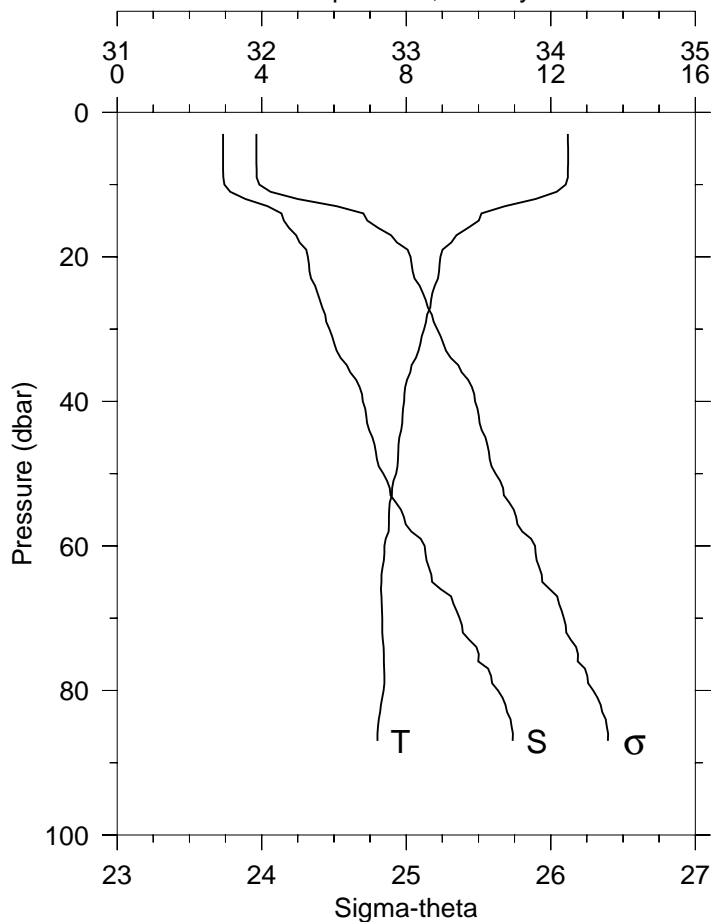
STA: 4 NH-10 LAT: 44 39.1 N LONG: 124 17.6 W
03 JUL 2003 0627 GMT DEPTH 82

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.90	32.217	10.90	24.627	0.066	4.87	62.4
10	10.77	32.247	10.77	24.674	0.329	4.75	63.8
20	8.64	32.716	8.63	25.387	0.607	0.42	87.6
30	7.84	33.123	7.84	25.823	0.842	0.12	89.7
40	7.32	33.383	7.31	26.102	1.043	0.06	90.4
50	7.38	33.603	7.37	26.267	1.225	0.06	90.6
60	7.29	33.757	7.28	26.401	1.395	0.07	90.0
70	6.99	33.949	6.99	26.593	1.546	0.09	87.3
77	6.99	33.950	6.99	26.594	1.647	0.09	86.5

NH0307A

Station 5 NH-15
Temperature, Salinity

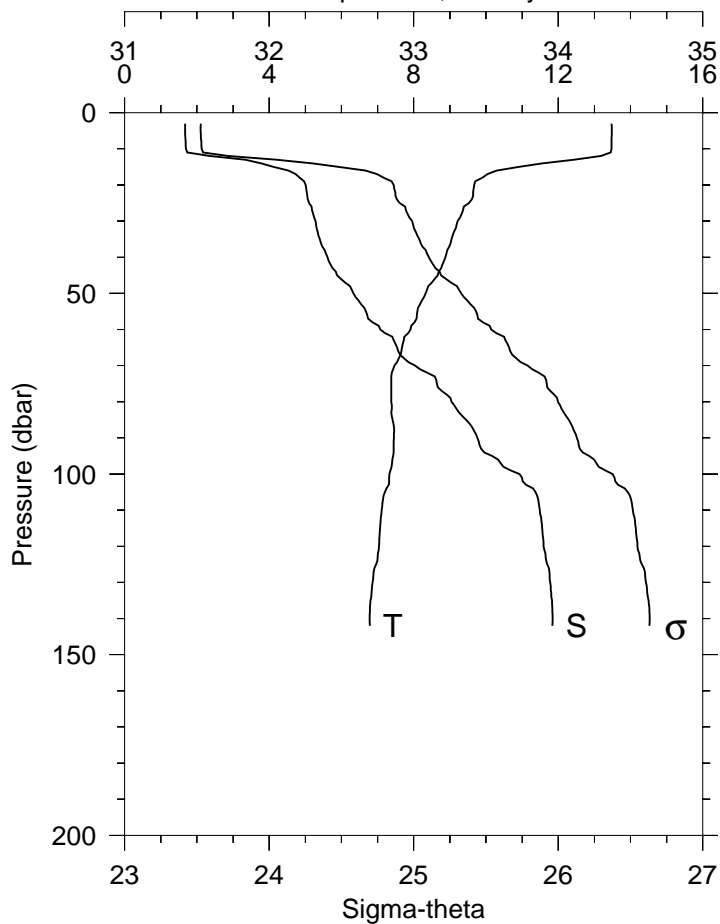
STA: 5 NH-15 LAT: 44 39.1 N LONG: 124 24.9 W
03 JUL 2003 0749 GMT DEPTH 91



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	12.48	31.732	12.48	23.964	0.118	1.59	76.3
10	12.41	31.742	12.41	23.983	0.394	1.76	76.6
20	8.94	32.319	8.94	25.029	0.723	0.54	88.0
30	8.49	32.468	8.49	25.214	1.007	0.27	90.3
40	7.94	32.699	7.94	25.476	1.269	0.16	90.8
50	7.72	32.841	7.72	25.619	1.513	0.08	91.3
60	7.40	33.128	7.39	25.891	1.738	0.06	91.0
70	7.33	33.370	7.33	26.091	1.941	0.05	91.0
80	7.37	33.635	7.37	26.293	2.125	0.06	90.4
87	7.21	33.737	7.20	26.396	2.241	0.07	89.7

Station 6 NH-20
Temperature, Salinity

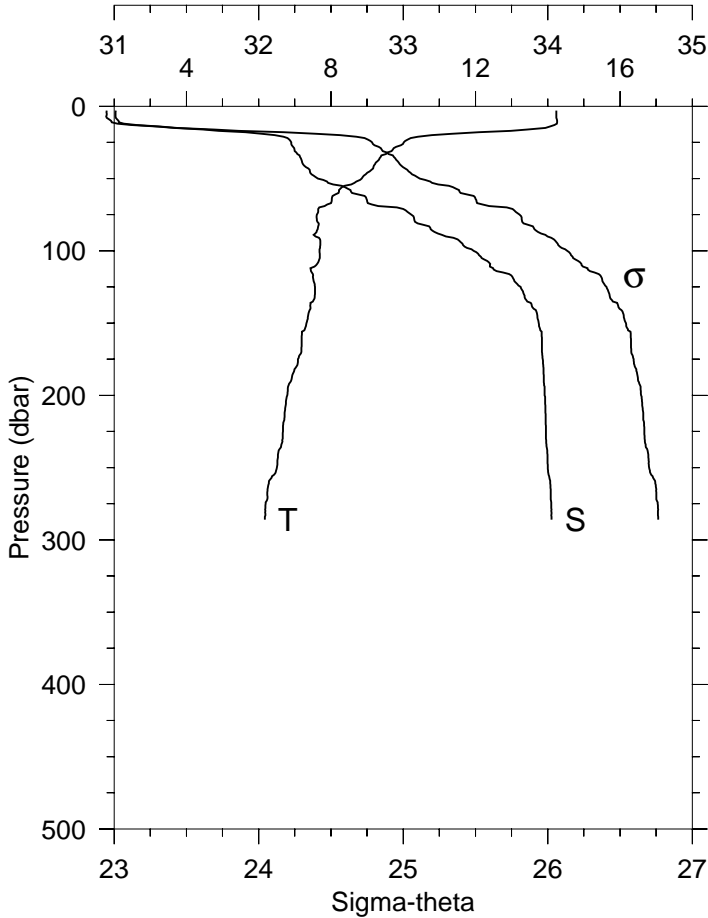
STA: 6 NH-20 LAT: 44 39.0 N LONG: 124 32.1 W
03 JUL 2003 1000 GMT DEPTH 148



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	13.48	31.418	13.48	23.527	0.131	0.95	78.2
10	13.47	31.424	13.47	23.533	0.435	0.96	78.3
20	9.67	32.253	9.67	24.862	0.794	0.25	89.9
30	9.21	32.321	9.21	24.988	1.097	0.19	90.5
40	8.88	32.403	8.87	25.105	1.389	0.25	91.1
50	8.33	32.583	8.33	25.328	1.665	0.10	91.3
60	7.91	32.770	7.91	25.536	1.920	0.07	91.3
70	7.47	33.009	7.47	25.787	2.153	0.06	91.3
80	7.38	33.261	7.37	25.998	2.361	0.05	91.3
90	7.45	33.440	7.44	26.129	2.556	0.05	91.3
100	7.33	33.733	7.32	26.377	2.736	0.06	90.1
110	7.12	33.872	7.11	26.516	2.894	0.06	88.8
120	7.04	33.899	7.03	26.548	3.045	0.06	88.8
130	6.86	33.944	6.85	26.607	3.191	0.06	88.3
140	6.78	33.961	6.77	26.632	3.334	0.06	86.6
142	6.79	33.960	6.77	26.630	3.362	0.07	86.9

NH0307A

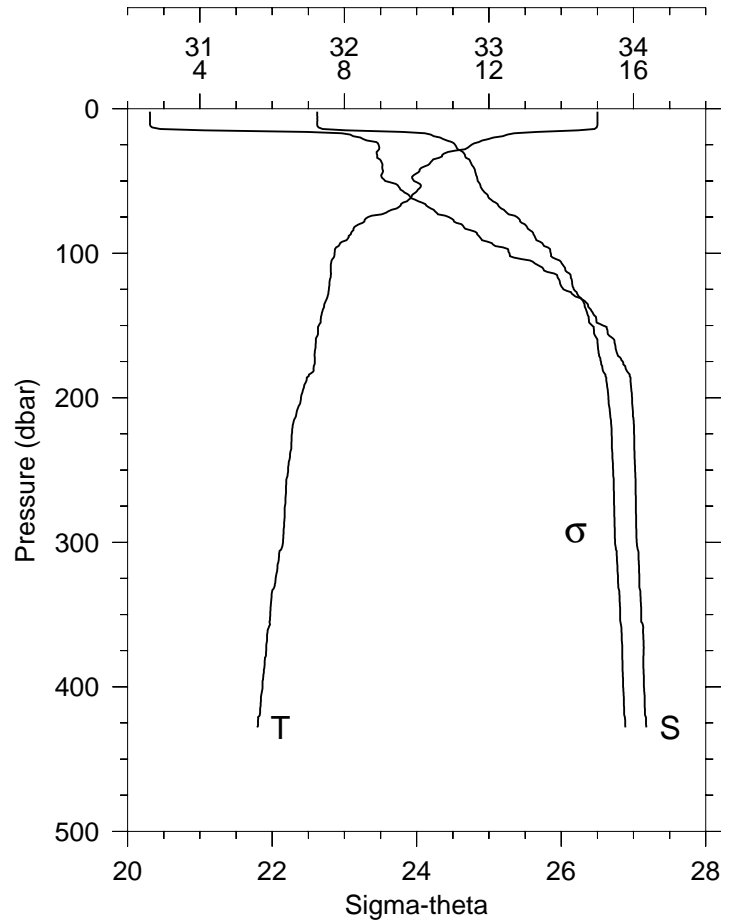
Station 7 NH-25
Temperature, Salinity



STA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W
03 JUL 2003 1231 GMT DEPTH 297

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	14.23	30.948	14.23	23.011	0.145	0.84	77.3
10	14.26	30.978	14.26	23.029	0.484	0.85	77.1
20	10.79	32.111	10.79	24.563	0.914	0.26	89.3
30	9.71	32.247	9.71	24.851	1.231	0.22	90.1
40	9.22	32.306	9.22	24.976	1.534	0.17	90.6
50	8.85	32.409	8.85	25.114	1.825	0.12	91.0
60	8.20	32.646	8.20	25.397	2.094	0.08	91.3
70	7.68	32.956	7.67	25.716	2.341	0.06	91.4
80	7.62	33.082	7.62	25.823	2.561	0.06	91.5
90	7.57	33.295	7.56	25.998	2.771	0.05	91.5
100	7.68	33.488	7.67	26.135	2.966	0.05	91.4
110	7.59	33.599	7.58	26.235	3.150	0.05	91.3
120	7.51	33.765	7.50	26.376	3.321	0.05	91.3
130	7.55	33.835	7.54	26.426	3.485	0.05	91.4
140	7.43	33.903	7.41	26.497	3.643	0.05	91.3
150	7.32	33.938	7.31	26.540	3.795	0.06	91.4
175	7.09	33.966	7.07	26.595	4.166	0.05	91.5
200	6.79	33.979	6.77	26.646	4.524	0.06	90.7
225	6.67	33.987	6.65	26.669	4.875	0.06	90.5
250	6.51	34.000	6.48	26.701	5.221	0.06	90.2
275	6.19	34.025	6.17	26.761	5.554	0.06	89.4
286	6.17	34.026	6.15	26.765	5.699	0.06	89.3

Station 8 NH-35
Temperature, Salinity

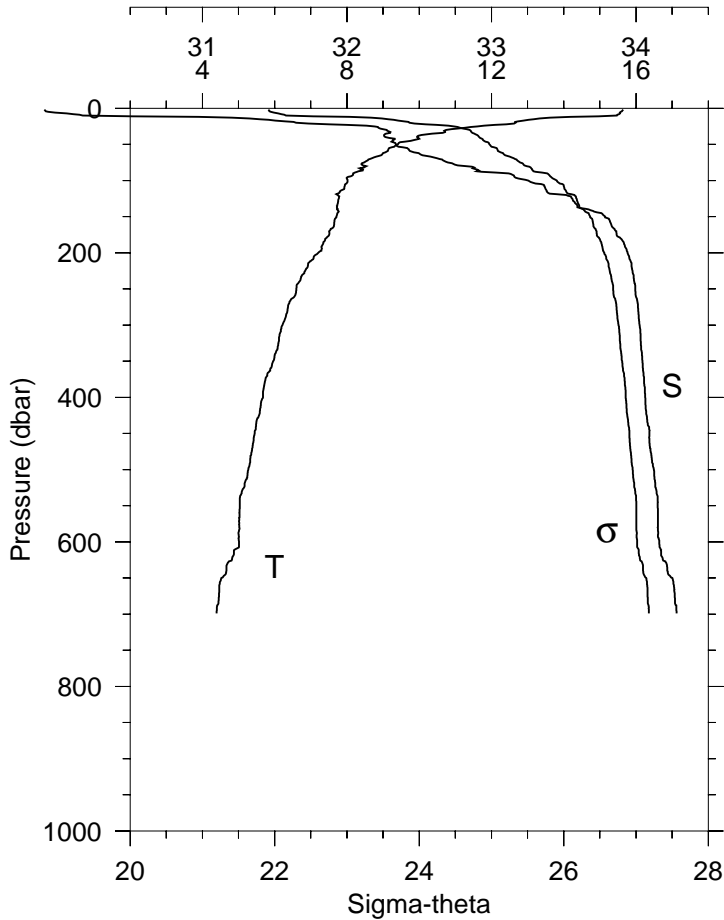


STA: 8 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W
03 JUL 2003 1430 GMT DEPTH 432

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	15.00	30.653	15.00	22.624	0.104	0.43	79.5
10	15.00	30.655	15.00	22.625	0.522	0.60	79.6
20	12.12	32.110	12.12	24.324	0.975	0.25	87.9
30	10.87	32.223	10.86	24.638	1.317	0.29	89.5
40	10.21	32.262	10.20	24.781	1.640	0.28	89.9
50	9.93	32.283	9.92	24.845	1.953	0.25	90.2
60	9.87	32.449	9.86	24.984	2.258	0.14	91.1
70	9.30	32.617	9.30	25.206	2.546	0.17	91.1
80	8.40	32.810	8.39	25.496	2.808	0.07	91.3
90	8.09	32.947	8.08	25.651	3.049	0.06	91.4
100	7.73	33.141	7.72	25.855	3.272	0.05	91.4
110	7.62	33.371	7.61	26.051	3.477	0.05	91.5
120	7.59	33.491	7.58	26.150	3.669	0.05	91.4
130	7.54	33.598	7.53	26.242	3.853	0.05	91.4
140	7.39	33.710	7.38	26.350	4.025	0.05	91.0
150	7.29	33.790	7.28	26.428	4.191	0.05	90.7
175	7.18	33.926	7.16	26.550	4.579	0.05	90.9
200	6.80	33.990	6.78	26.653	4.941	0.15	91.3
225	6.55	34.004	6.53	26.698	5.287	0.05	90.4
250	6.44	34.011	6.42	26.718	5.627	0.05	90.1
275	6.35	34.017	6.33	26.734	5.963	0.06	90.0
300	6.30	34.022	6.27	26.746	6.298	0.05	90.1
350	5.95	34.053	5.92	26.815	6.945	0.05	91.0
400	5.73	34.072	5.70	26.857	7.570	0.06	90.2
428	5.59	34.089	5.55	26.888	7.912	0.06	90.7

NH0307A

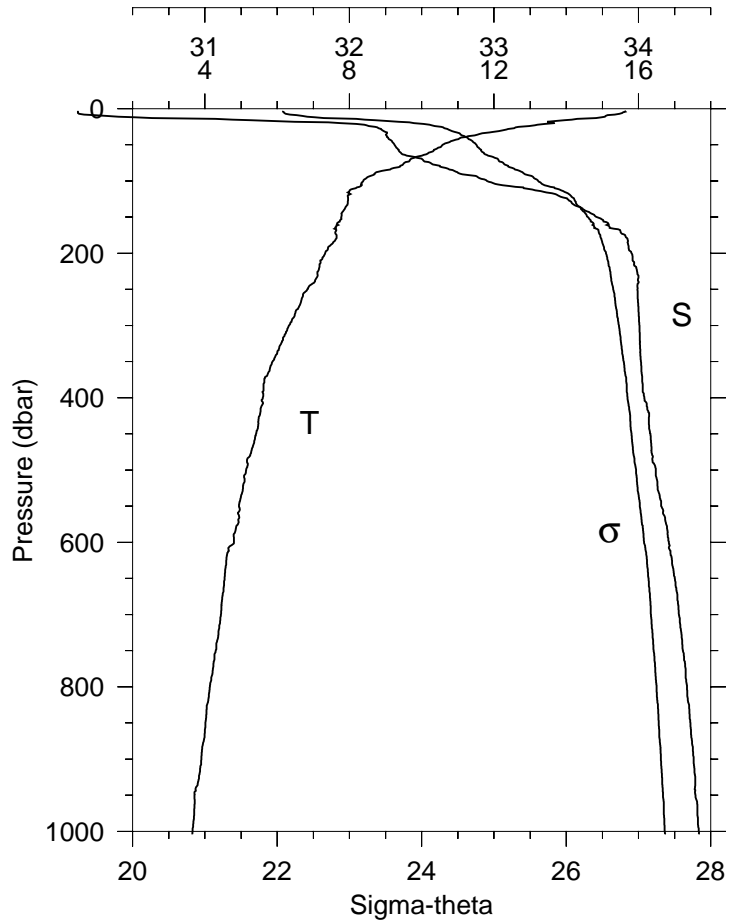
Station 9 NH-45
Temperature, Salinity



STA: 9 NH-45 LAT: 44 39.1 N LONG: 125 7.1 W
03 JUL 2003 1755 GMT DEPTH 699

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	15.65	29.906	15.65	21.911	0.118	0.11	82.1
10	15.47	30.172	15.47	22.155	0.582	0.24	81.8
20	12.66	31.648	12.66	23.864	1.030	0.50	84.8
30	10.75	32.275	10.74	24.699	1.385	0.57	87.9
40	9.94	32.267	9.94	24.830	1.703	0.38	89.4
50	9.41	32.337	9.40	24.971	2.007	0.17	90.9
60	9.10	32.446	9.10	25.104	2.299	0.13	91.2
70	8.64	32.640	8.63	25.327	2.575	0.08	91.3
80	8.53	32.826	8.53	25.489	2.832	0.06	91.4
90	8.17	33.119	8.16	25.773	3.073	0.05	91.6
100	8.02	33.255	8.01	25.903	3.290	0.05	91.6
110	7.93	33.372	7.92	26.008	3.495	0.05	91.6
120	7.74	33.516	7.73	26.148	3.693	0.05	91.5
130	7.75	33.576	7.74	26.194	3.878	0.05	91.5
140	7.72	33.672	7.71	26.273	4.060	0.05	91.5
150	7.71	33.786	7.69	26.366	4.231	0.05	91.5
175	7.51	33.866	7.49	26.458	4.638	0.05	91.4
200	7.20	33.942	7.18	26.561	5.022	0.05	91.0
225	6.84	33.976	6.82	26.637	5.386	0.05	90.9
250	6.60	33.995	6.58	26.684	5.737	0.05	90.9
275	6.37	34.014	6.34	26.730	6.078	0.05	91.2
300	6.22	34.024	6.19	26.757	6.412	0.05	91.2
350	5.96	34.044	5.93	26.807	7.062	0.05	91.2
400	5.68	34.063	5.64	26.857	7.688	0.05	91.1
450	5.44	34.093	5.41	26.908	8.295	0.05	91.2
500	5.27	34.123	5.23	26.953	8.883	0.06	91.4
600	5.01	34.161	4.96	27.015	10.001	0.05	91.7
699	4.39	34.280	4.34	27.178	11.001	0.05	91.8

Station 10 NH-55
Temperature, Salinity

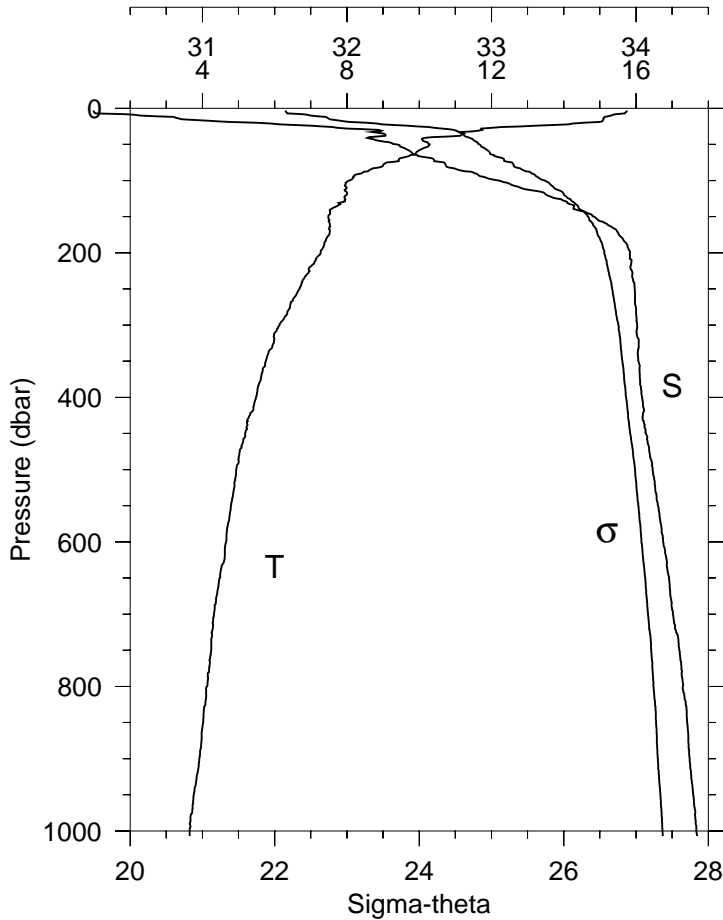


STA: 10 NH-55 LAT: 44 39.1 N LONG: 125 22.1 W
03 JUL 2003 2114 GMT DEPTH 2867

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	15.62	30.122	15.62	22.083	0.172	0.14	81.0
10	15.09	30.321	15.09	22.349	0.569	0.22	83.4
20	13.66	31.939	13.65	23.894	1.041	0.13	88.5
30	12.24	32.229	12.24	24.393	1.411	0.12	89.6
40	11.09	32.267	11.09	24.632	1.752	0.18	89.5
50	10.59	32.312	10.58	24.757	2.077	0.61	87.7
60	10.26	32.348	10.26	24.839	2.392	0.29	90.4
70	9.69	32.505	9.68	25.057	2.694	0.14	91.3
80	9.40	32.627	9.40	25.199	2.978	0.10	91.5
90	8.69	32.768	8.68	25.420	3.244	0.07	91.5
100	8.38	32.952	8.37	25.611	3.490	0.05	91.6
110	8.18	33.207	8.16	25.842	3.719	0.05	91.7
120	7.96	33.443	7.95	26.059	3.924	0.05	91.6
130	7.96	33.537	7.94	26.134	4.116	0.05	91.7
140	7.85	33.623	7.84	26.216	4.301	0.05	91.7
150	7.78	33.711	7.76	26.297	4.479	0.05	91.7
175	7.64	33.908	7.62	26.471	4.892	0.05	91.7
200	7.33	33.952	7.31	26.551	5.279	0.05	91.7
225	7.13	33.990	7.11	26.609	5.649	0.05	91.6
250	6.83	33.993	6.81	26.651	6.008	0.05	91.7
275	6.60	33.999	6.57	26.688	6.358	0.05	91.7
300	6.32	34.007	6.30	26.730	6.700	0.05	91.6
350	5.87	34.017	5.84	26.796	7.359	0.05	91.8
400	5.60	34.040	5.57	26.847	7.991	0.05	91.9
450	5.41	34.082	5.38	26.903	8.599	0.05	91.8
500	5.14	34.119	5.10	26.965	9.185	0.05	92.0
600	4.81	34.211	4.76	27.077	10.276	0.05	92.1
800	4.14	34.336	4.08	27.250	12.188	0.05	92.0
1000	3.66	34.417	3.59	27.364	13.862	0.05	92.0
1004	3.66	34.417	3.59	27.364	13.893	0.05	92.0

NH0307A

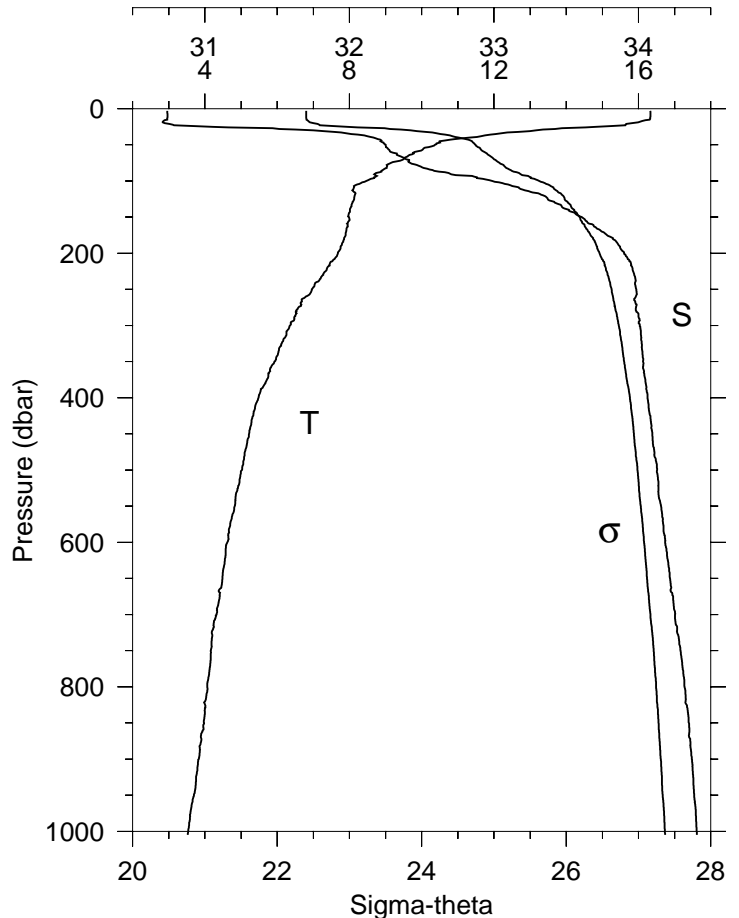
Station 11 NH-65
Temperature, Salinity



STA: 11 NH-65 LAT: 44 38.5 N LONG: 125 37.5 W
03 JUL 2003 2323 GMT DEPTH 2866

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	15.74	30.248	15.74	22.153	0.170	0.08	87.9
10	15.32	30.567	15.31	22.491	0.560	0.10	88.0
20	14.55	31.373	14.55	23.273	1.063	0.15	88.3
30	11.73	32.218	11.73	24.479	1.461	0.19	89.1
40	10.35	32.154	10.35	24.673	1.796	0.60	88.0
50	10.29	32.341	10.28	24.830	2.114	0.22	90.8
60	9.94	32.441	9.93	24.966	2.420	0.15	91.4
70	9.44	32.598	9.43	25.170	2.712	0.10	91.6
80	8.99	32.686	8.98	25.310	2.985	0.08	91.6
90	8.41	32.886	8.40	25.555	3.240	0.06	91.6
100	8.05	33.051	8.04	25.737	3.476	0.05	91.6
110	7.99	33.201	7.98	25.864	3.695	0.05	91.7
120	7.99	33.380	7.98	26.006	3.901	0.04	91.7
130	7.87	33.525	7.86	26.137	4.096	0.04	91.8
140	7.53	33.580	7.52	26.228	4.281	0.05	91.6
150	7.48	33.708	7.47	26.336	4.455	0.05	91.6
175	7.51	33.881	7.49	26.470	4.863	0.05	91.6
200	7.27	33.958	7.25	26.563	5.246	0.05	91.7
225	6.97	33.972	6.95	26.616	5.613	0.05	91.7
250	6.69	33.991	6.66	26.669	5.968	0.05	91.8
275	6.42	33.998	6.40	26.710	6.313	0.05	91.8
300	6.13	34.008	6.11	26.756	6.649	0.05	91.8
350	5.75	34.017	5.72	26.811	7.298	0.05	91.9
400	5.49	34.042	5.45	26.863	7.922	0.05	92.0
450	5.18	34.068	5.14	26.919	8.524	0.05	92.1
500	4.93	34.115	4.90	26.986	9.097	0.05	92.1
600	4.66	34.188	4.61	27.075	10.176	0.05	92.1
800	4.12	34.324	4.06	27.242	12.099	0.06	92.2
1000	3.64	34.417	3.57	27.366	13.781	0.06	92.1
1007	3.64	34.422	3.57	27.370	13.836	0.05	92.1

Station 12 NH-85
Temperature, Salinity

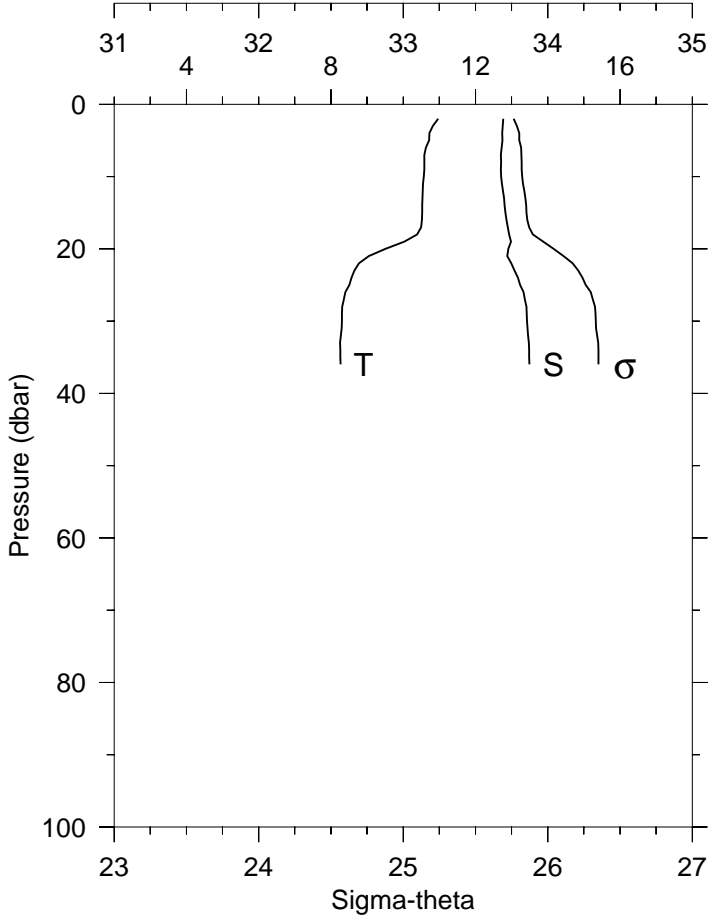


STA: 12 NH-85 LAT: 44 39.2 N LONG: 126 3.0 W
04 JUL 2003 0239 GMT DEPTH 2884

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	16.33	30.740	16.33	22.402	0.163	0.12	88.1
10	16.33	30.741	16.33	22.402	0.543	0.11	88.2
20	15.82	30.721	15.82	22.500	1.084	0.12	88.1
30	13.16	31.751	13.16	23.847	1.565	0.15	89.3
40	11.34	32.165	11.34	24.509	1.933	0.22	89.1
50	10.37	32.251	10.36	24.745	2.261	0.39	89.8
60	9.81	32.286	9.80	24.866	2.575	0.18	91.0
70	9.49	32.395	9.48	25.003	2.877	0.12	91.5
80	9.04	32.494	9.03	25.152	3.166	0.08	91.3
90	8.70	32.697	8.70	25.362	3.439	0.06	91.5
100	8.47	32.988	8.46	25.626	3.688	0.08	91.6
110	8.12	33.175	8.11	25.825	3.914	0.04	91.7
120	8.15	33.342	8.14	25.952	4.126	0.05	91.7
130	8.09	33.420	8.07	26.023	4.330	0.05	91.7
140	8.02	33.518	8.00	26.110	4.525	0.04	91.7
150	7.98	33.607	7.97	26.185	4.714	0.05	91.7
175	7.90	33.783	7.88	26.336	5.159	0.05	91.7
200	7.68	33.901	7.66	26.460	5.570	0.05	91.6
225	7.33	33.963	7.31	26.559	5.956	0.05	91.7
250	6.96	33.985	6.94	26.628	6.323	0.05	91.8
275	6.59	33.983	6.57	26.676	6.678	0.05	91.8
300	6.35	34.009	6.32	26.728	7.021	0.05	91.8
350	5.92	34.032	5.89	26.801	7.678	0.05	91.9
400	5.48	34.063	5.45	26.880	8.302	0.05	91.9
450	5.22	34.095	5.19	26.937	8.894	0.05	92.0
500	5.03	34.129	4.99	26.986	9.465	0.06	92.1
600	4.62	34.184	4.57	27.077	10.544	0.05	92.1
800	4.06	34.319	4.00	27.244	12.469	0.06	92.2
1000	3.54	34.403	3.46	27.365	14.145	0.05	92.2
1005	3.53	34.404	3.45	27.367	14.184	0.05	92.2

NH0307A

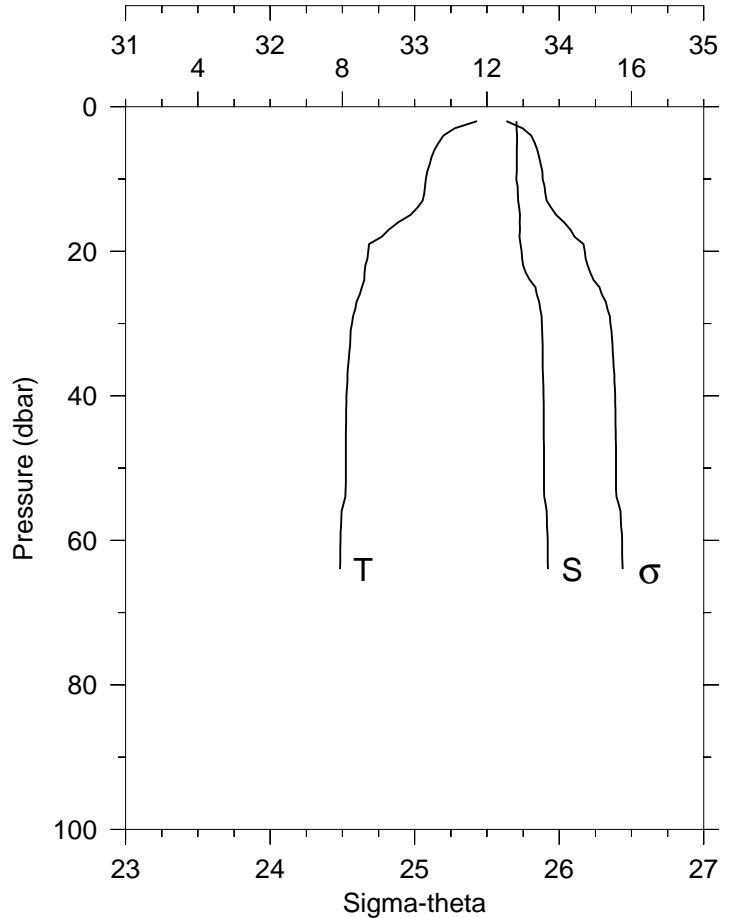
Station 13 CR-1
Temperature, Salinity



STA: 13 CR-1 LAT: 41 54.1 N LONG: 124 18.1 W
04 JUL 2003 2050 GMT DEPTH 42

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.96	33.692	10.96	25.764	0.044	4.95	49.8
10	10.57	33.677	10.57	25.823	0.219	5.00	48.3
20	9.50	33.727	9.50	26.041	0.431	5.00	54.8
30	8.30	33.857	8.30	26.332	0.608	2.51	73.6
36	8.27	33.873	8.26	26.350	0.708	2.09	71.1

Station 14 CR-2
Temperature, Salinity

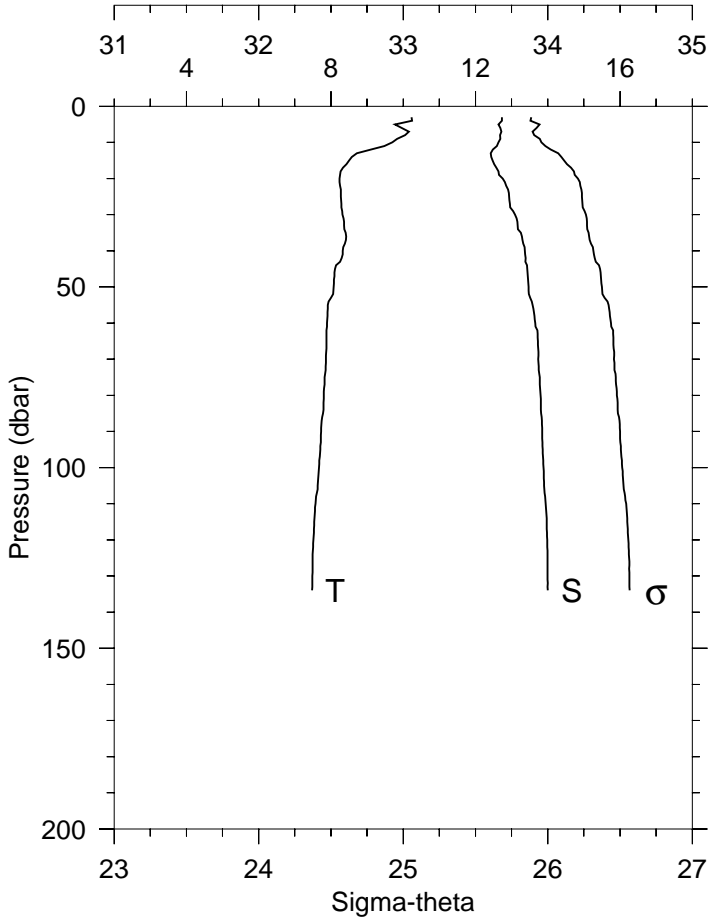


STA: 14 CR-2 LAT: 41 54.0 N LONG: 124 24.1 W
04 JUL 2003 2204 GMT DEPTH 70

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.73	33.705	11.73	25.635	0.047	1.96	57.4
10	10.31	33.702	10.31	25.886	0.220	5.00	54.4
20	8.71	33.740	8.71	26.177	0.419	1.44	81.0
30	8.27	33.880	8.26	26.355	0.594	0.43	83.7
40	8.11	33.891	8.11	26.387	0.759	0.38	83.0
50	8.09	33.894	8.09	26.392	0.922	0.30	82.4
60	7.94	33.920	7.94	26.435	1.084	0.27	78.2
64	7.93	33.923	7.93	26.439	1.148	0.24	76.4

NH0307A

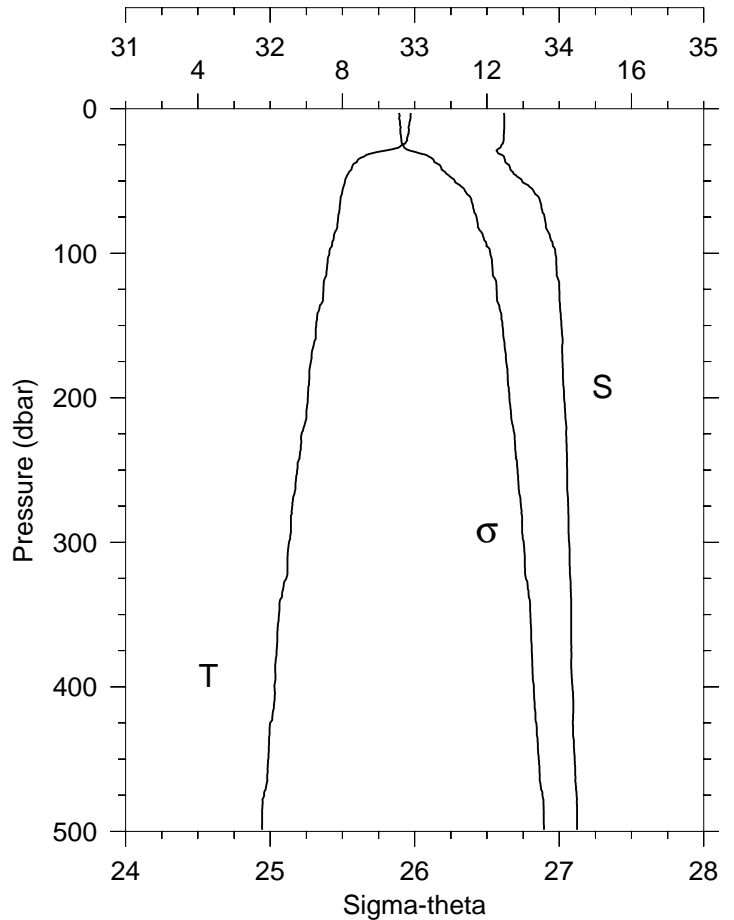
Station 15 CR-3
Temperature, Salinity



STA: 15 CR-3 LAT: 41 54.0 N LONG: 124 30.1 W
04 JUL 2003 2354 GMT DEPTH 140

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.23	33.683	10.23	25.886	0.063	5.00	53.7
10	9.70	33.659	9.70	25.956	0.209	5.00	59.8
20	8.24	33.688	8.24	26.208	0.399	0.22	89.8
30	8.32	33.774	8.32	26.264	0.576	0.20	89.2
40	8.33	33.841	8.32	26.316	0.750	0.30	86.6
50	8.07	33.867	8.07	26.374	0.917	1.26	77.8
60	7.89	33.914	7.89	26.437	1.079	0.22	83.8
70	7.86	33.933	7.85	26.457	1.236	0.17	83.2
80	7.80	33.950	7.80	26.479	1.393	0.13	83.2
90	7.72	33.961	7.72	26.500	1.548	0.08	85.9
100	7.67	33.970	7.66	26.515	1.701	0.08	85.9
110	7.57	33.986	7.56	26.542	1.852	0.09	86.0
120	7.51	33.996	7.50	26.558	2.002	0.12	85.8
130	7.49	33.999	7.47	26.565	2.150	0.08	84.6
134	7.48	34.000	7.47	26.566	2.210	0.09	84.0

Station 16 CR-4
Temperature, Salinity

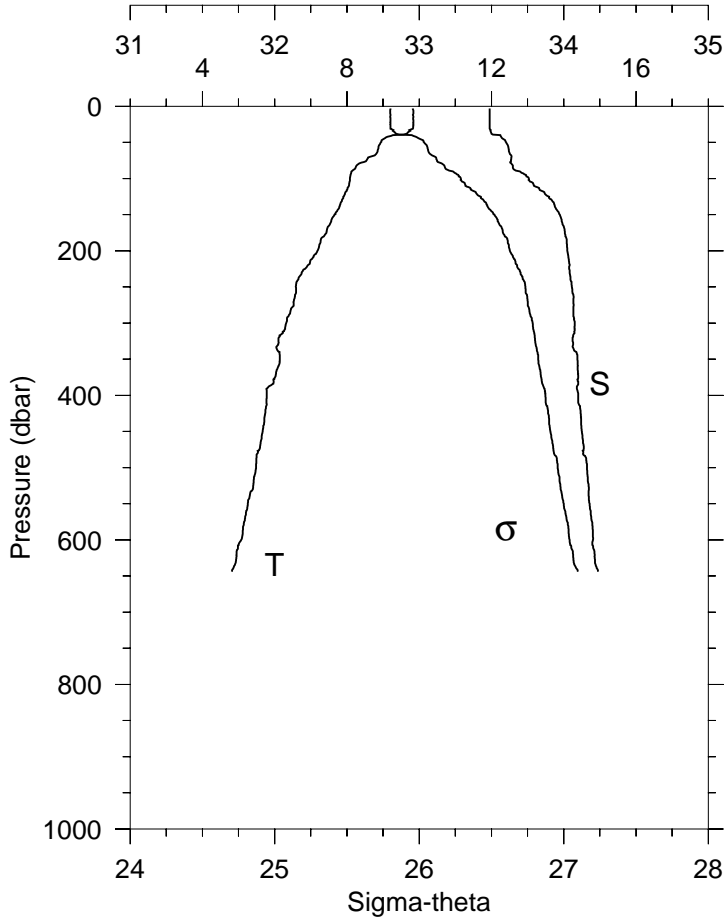


STA: 16 CR-4 LAT: 41 54.0 N LONG: 124 36.0 W
05 JUL 2003 0210 GMT DEPTH 505

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.89	33.616	9.89	25.891	0.063	5.00	60.7
10	9.85	33.619	9.85	25.899	0.210	5.00	61.4
20	9.79	33.616	9.79	25.906	0.419	5.00	62.2
30	8.98	33.572	8.97	26.004	0.626	1.67	83.6
40	8.27	33.657	8.27	26.180	0.816	0.18	90.1
50	8.07	33.744	8.07	26.278	0.995	0.09	90.5
60	7.97	33.847	7.96	26.374	1.164	0.10	90.7
70	7.92	33.881	7.91	26.409	1.328	0.07	90.8
80	7.86	33.908	7.85	26.438	1.488	0.09	90.5
90	7.75	33.941	7.74	26.480	1.646	0.09	90.5
100	7.64	33.974	7.63	26.523	1.800	0.08	90.5
110	7.57	33.981	7.56	26.538	1.951	0.08	90.5
120	7.48	33.999	7.47	26.565	2.100	0.07	90.5
130	7.47	34.002	7.45	26.569	2.248	0.07	90.4
140	7.34	34.008	7.33	26.592	2.395	0.07	90.8
150	7.28	34.015	7.26	26.606	2.540	0.10	90.8
175	7.13	34.022	7.11	26.633	2.899	0.07	91.1
200	7.04	34.034	7.02	26.655	3.252	0.06	91.1
225	6.87	34.048	6.85	26.690	3.601	0.07	90.8
250	6.75	34.055	6.73	26.712	3.944	0.07	90.7
275	6.61	34.062	6.59	26.736	4.281	0.07	90.8
300	6.52	34.069	6.49	26.754	4.615	0.06	90.8
350	6.24	34.082	6.21	26.800	5.269	0.07	90.1
400	6.12	34.092	6.09	26.824	5.910	0.06	89.2
450	5.95	34.107	5.91	26.858	6.539	0.06	88.6
499	5.77	34.124	5.73	26.894	7.139	0.10	84.3

NH0307A

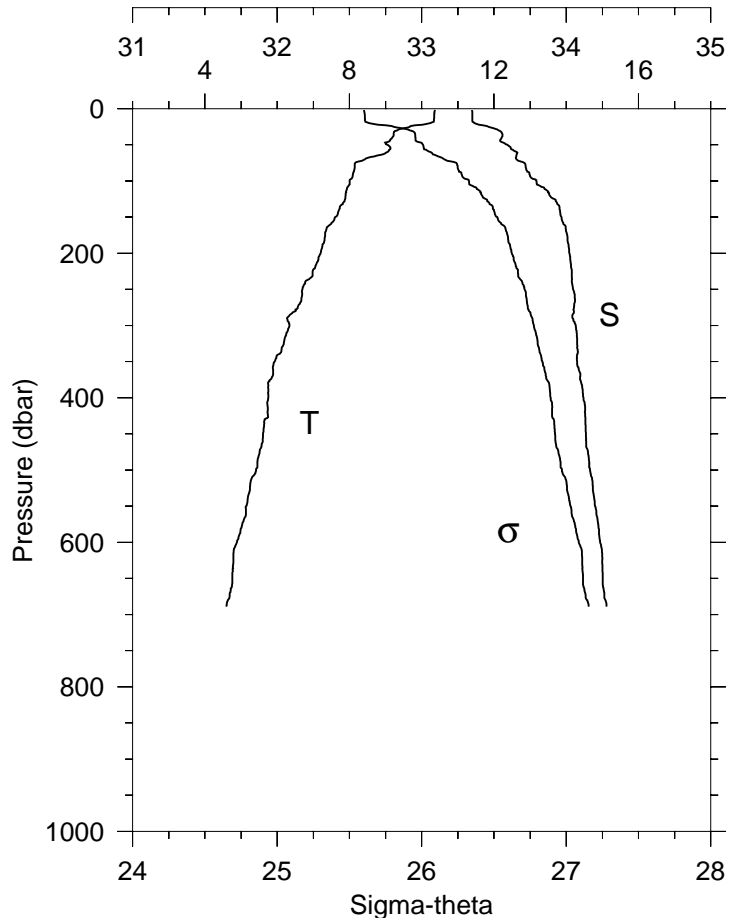
Station 17 CR-5
Temperature, Salinity



STA: 17 CR-5 LAT: 41 54.0 N LONG: 124 42.0 W
05 JUL 2003 0512 GMT DEPTH 659

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.82	33.487	9.82	25.801	0.066	1.17	83.9
10	9.84	33.488	9.84	25.799	0.219	1.21	83.6
20	9.84	33.488	9.83	25.800	0.438	1.15	83.7
30	9.83	33.488	9.83	25.800	0.657	1.17	83.6
40	9.27	33.561	9.27	25.949	0.873	0.58	88.4
50	8.94	33.601	8.93	26.034	1.074	0.24	90.1
60	8.86	33.620	8.85	26.061	1.270	0.25	90.1
70	8.62	33.638	8.61	26.112	1.464	0.26	89.8
80	8.31	33.641	8.30	26.162	1.652	0.18	89.7
90	8.12	33.696	8.12	26.233	1.836	0.11	90.8
100	8.08	33.758	8.07	26.288	2.012	0.08	90.7
110	8.06	33.794	8.05	26.320	2.185	0.09	91.0
120	7.95	33.867	7.94	26.394	2.353	0.09	91.2
130	7.86	33.917	7.85	26.445	2.515	0.07	91.2
140	7.79	33.941	7.77	26.476	2.673	0.07	91.2
150	7.66	33.973	7.64	26.520	2.828	0.06	91.2
175	7.43	34.007	7.42	26.579	3.203	0.06	90.8
200	7.18	34.025	7.16	26.628	3.565	0.06	91.0
225	6.83	34.038	6.81	26.687	3.916	0.06	91.4
250	6.59	34.056	6.57	26.734	4.255	0.06	91.6
275	6.52	34.068	6.50	26.752	4.587	0.06	91.5
300	6.32	34.075	6.29	26.785	4.915	0.06	91.6
350	6.14	34.095	6.11	26.824	5.555	0.06	91.3
400	5.78	34.099	5.74	26.873	6.177	0.06	91.3
450	5.66	34.125	5.63	26.908	6.781	0.07	90.6
500	5.48	34.160	5.44	26.958	7.368	0.06	90.0
600	5.07	34.201	5.02	27.040	8.483	0.06	91.4
644	4.81	34.238	4.76	27.098	8.949	0.07	89.6

Station 18 CR-6
Temperature, Salinity

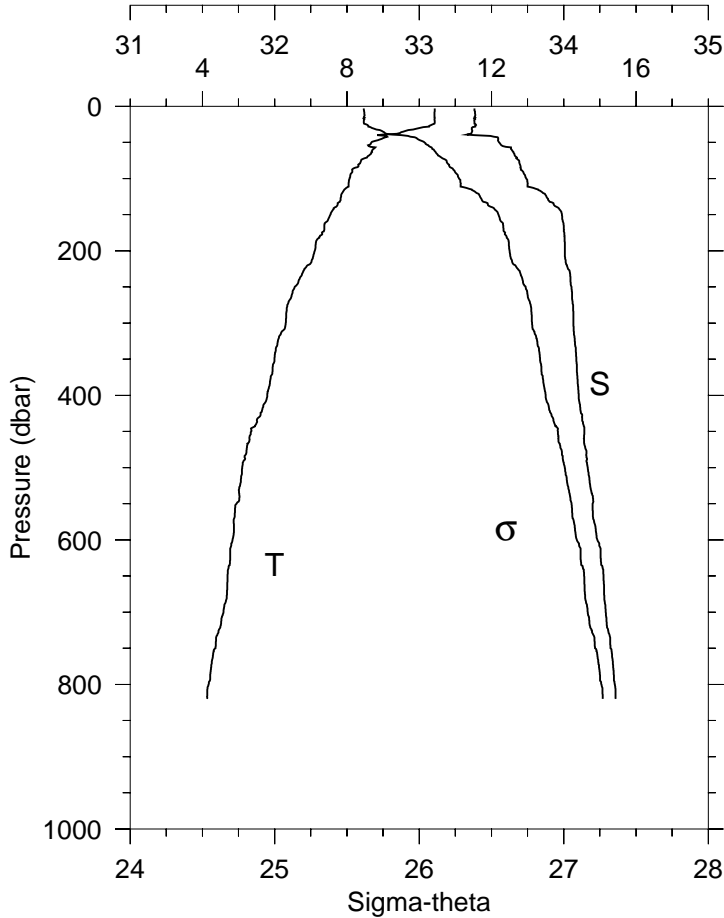


STA: 18 CR-6 LAT: 41 54.1 N LONG: 124 48.2 W
05 JUL 2003 0718 GMT DEPTH 700

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.38	33.349	10.38	25.600	0.048	1.27	83.5
10	10.35	33.351	10.34	25.606	0.237	0.97	83.6
20	10.24	33.365	10.23	25.636	0.475	1.02	84.2
30	9.33	33.531	9.32	25.916	0.694	0.31	89.2
40	9.19	33.553	9.18	25.957	0.899	0.38	89.7
50	9.05	33.592	9.05	26.009	1.102	0.28	90.0
60	9.05	33.656	9.05	26.059	1.301	0.26	89.7
70	8.42	33.656	8.42	26.156	1.491	0.23	89.8
80	8.14	33.720	8.14	26.248	1.672	0.13	90.2
90	8.10	33.745	8.09	26.275	1.848	0.15	90.6
100	8.01	33.794	8.00	26.327	2.022	0.09	90.7
110	7.94	33.848	7.93	26.380	2.191	0.08	91.1
120	7.89	33.886	7.88	26.417	2.354	0.08	91.4
130	7.83	33.936	7.81	26.466	2.514	0.07	91.4
140	7.71	33.956	7.69	26.499	2.670	0.07	90.8
150	7.61	33.967	7.59	26.522	2.824	0.06	91.2
175	7.33	34.007	7.31	26.594	3.197	0.07	90.9
200	7.20	34.022	7.18	26.623	3.560	0.07	91.0
225	6.98	34.038	6.96	26.666	3.915	0.07	91.2
250	6.70	34.047	6.67	26.712	4.260	0.07	91.5
275	6.57	34.054	6.55	26.735	4.597	0.06	91.3
300	6.34	34.067	6.31	26.776	4.927	0.06	91.5
350	5.94	34.075	5.91	26.833	5.566	0.06	91.9
400	5.75	34.119	5.72	26.892	6.178	0.06	91.7
450	5.61	34.136	5.57	26.923	6.774	0.06	90.5
500	5.41	34.165	5.37	26.970	7.354	0.06	91.3
600	4.89	34.234	4.84	27.086	8.439	0.06	91.2
689	4.59	34.280	4.54	27.157	9.335	0.07	90.8

NH0307A

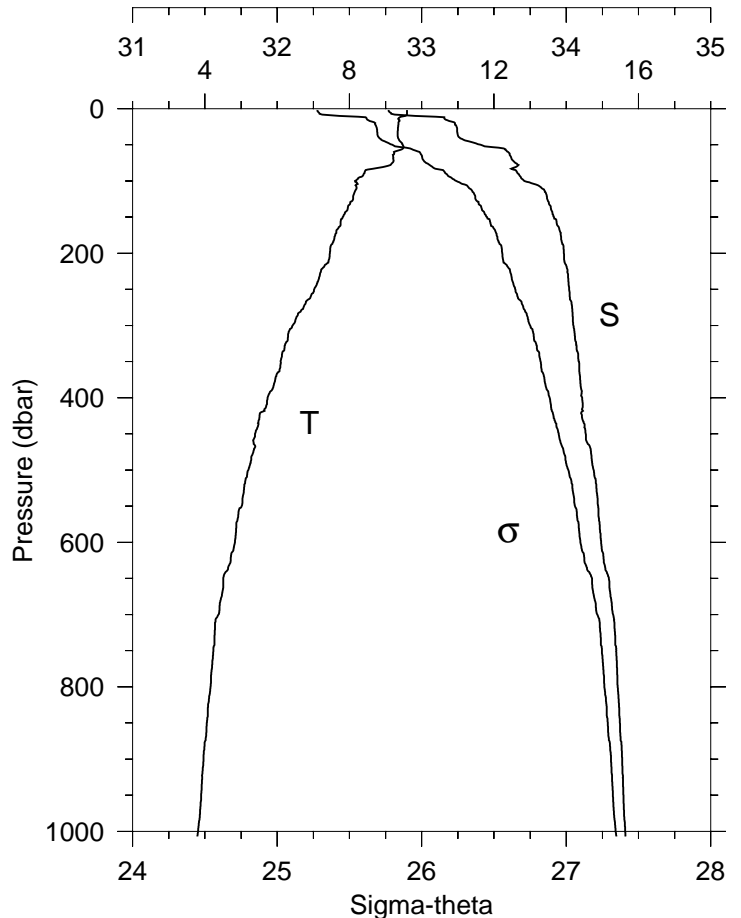
Station 19 CR-7
Temperature, Salinity



STA: 19 CR-7 LAT: 41 54.0 N LONG: 124 60.0 W
05 JUL 2003 1055 GMT DEPTH 835

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.43	33.382	10.43	25.616	0.071	1.64	81.6
10	10.42	33.386	10.42	25.621	0.236	1.37	81.8
20	10.43	33.381	10.43	25.616	0.472	1.98	81.5
30	10.02	33.363	10.02	25.672	0.707	1.48	82.2
40	8.84	33.380	8.84	25.876	0.932	0.37	89.0
50	8.68	33.551	8.68	26.035	1.134	0.15	91.1
60	8.71	33.639	8.70	26.099	1.328	0.17	90.8
70	8.56	33.672	8.56	26.148	1.518	0.19	90.3
80	8.33	33.696	8.32	26.202	1.702	0.14	90.6
90	8.15	33.717	8.14	26.246	1.882	0.12	91.1
100	8.07	33.741	8.06	26.276	2.058	0.08	91.2
110	8.05	33.750	8.03	26.287	2.233	0.08	91.3
120	7.87	33.857	7.86	26.397	2.401	0.08	91.4
130	7.82	33.894	7.81	26.434	2.563	0.11	91.4
140	7.66	33.958	7.65	26.507	2.721	0.07	91.6
150	7.54	33.987	7.53	26.548	2.873	0.07	91.6
175	7.31	34.004	7.29	26.594	3.243	0.06	91.5
200	7.11	34.007	7.09	26.625	3.604	0.06	91.5
225	6.82	34.030	6.80	26.682	3.959	0.06	91.6
250	6.55	34.054	6.53	26.737	4.299	0.07	91.6
275	6.35	34.064	6.32	26.772	4.629	0.06	91.7
300	6.31	34.067	6.28	26.780	4.954	0.06	91.6
350	5.99	34.087	5.96	26.836	5.590	0.06	91.8
400	5.79	34.103	5.76	26.874	6.209	0.07	91.9
450	5.35	34.142	5.31	26.959	6.801	0.07	92.0
500	5.10	34.166	5.06	27.007	7.363	0.06	92.1
600	4.83	34.232	4.79	27.091	8.427	0.06	92.1
800	4.17	34.353	4.11	27.260	10.337	0.08	91.0
820	4.13	34.360	4.07	27.270	10.512	0.07	90.6

Station 20 CR-8
Temperature, Salinity

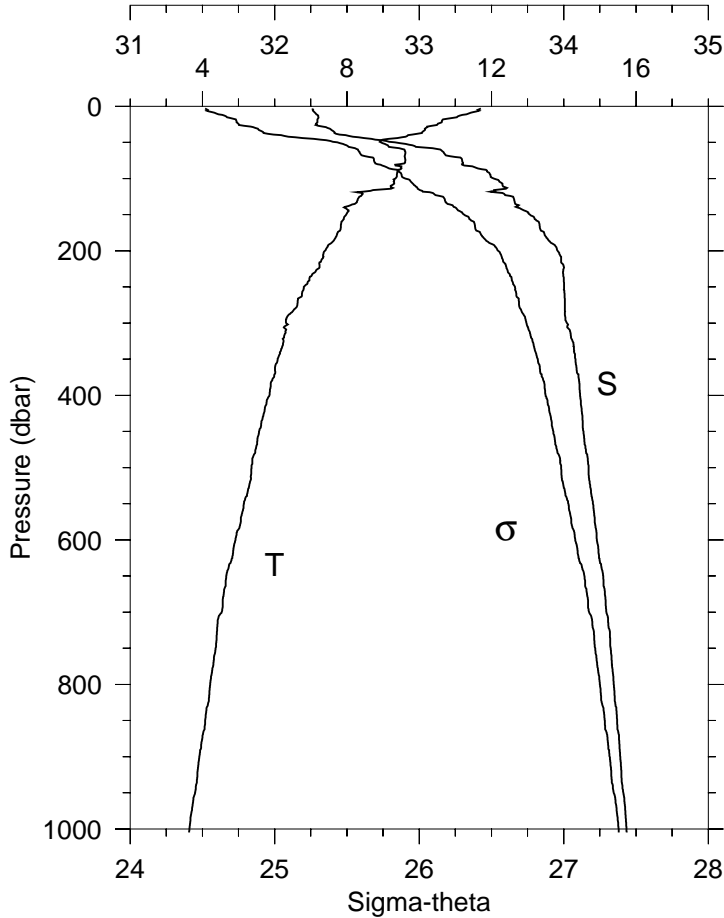


STA: 20 CR-8 LAT: 41 54.0 N LONG: 125 12.2 W
05 JUL 2003 1322 GMT DEPTH 2764

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.60	32.773	9.60	25.280	0.054	1.28	83.1
10	9.54	32.956	9.54	25.432	0.266	1.25	81.8
20	9.35	33.231	9.35	25.678	0.502	1.29	80.7
30	9.34	33.245	9.34	25.691	0.732	1.59	80.3
40	9.35	33.262	9.34	25.704	0.962	1.58	79.7
50	9.47	33.408	9.47	25.797	1.187	2.36	75.0
60	9.23	33.598	9.22	25.985	1.397	2.49	77.7
70	9.22	33.624	9.21	26.008	1.598	2.35	76.8
80	8.98	33.657	8.98	26.071	1.796	1.73	78.8
90	8.40	33.668	8.39	26.170	1.985	0.48	88.4
100	8.16	33.711	8.15	26.240	2.168	0.18	89.4
110	8.20	33.831	8.19	26.329	2.341	0.22	89.1
120	8.11	33.865	8.10	26.369	2.510	0.31	88.6
130	8.02	33.880	8.01	26.393	2.676	0.23	88.7
140	7.95	33.896	7.93	26.417	2.839	0.37	88.6
150	7.82	33.915	7.80	26.451	3.000	0.12	89.6
175	7.61	33.963	7.59	26.519	3.391	0.08	90.8
200	7.46	33.984	7.44	26.557	3.769	0.07	91.1
225	7.21	34.009	7.19	26.612	4.140	0.08	91.0
250	7.02	34.021	7.00	26.648	4.500	0.07	91.3
275	6.73	34.041	6.71	26.703	4.850	0.06	91.3
300	6.43	34.050	6.40	26.751	5.187	0.07	91.6
350	6.10	34.088	6.07	26.823	5.834	0.07	91.5
400	5.74	34.110	5.70	26.886	6.454	0.06	91.6
450	5.39	34.135	5.35	26.948	7.046	0.06	91.9
500	5.20	34.189	5.16	27.014	7.609	0.06	91.8
600	4.83	34.241	4.78	27.098	8.661	0.06	91.3
800	4.16	34.356	4.10	27.264	10.515	0.06	91.5
1000	3.81	34.408	3.74	27.342	12.201	0.08	91.0
1007	3.79	34.411	3.72	27.346	12.258	0.09	90.8

NH0307A

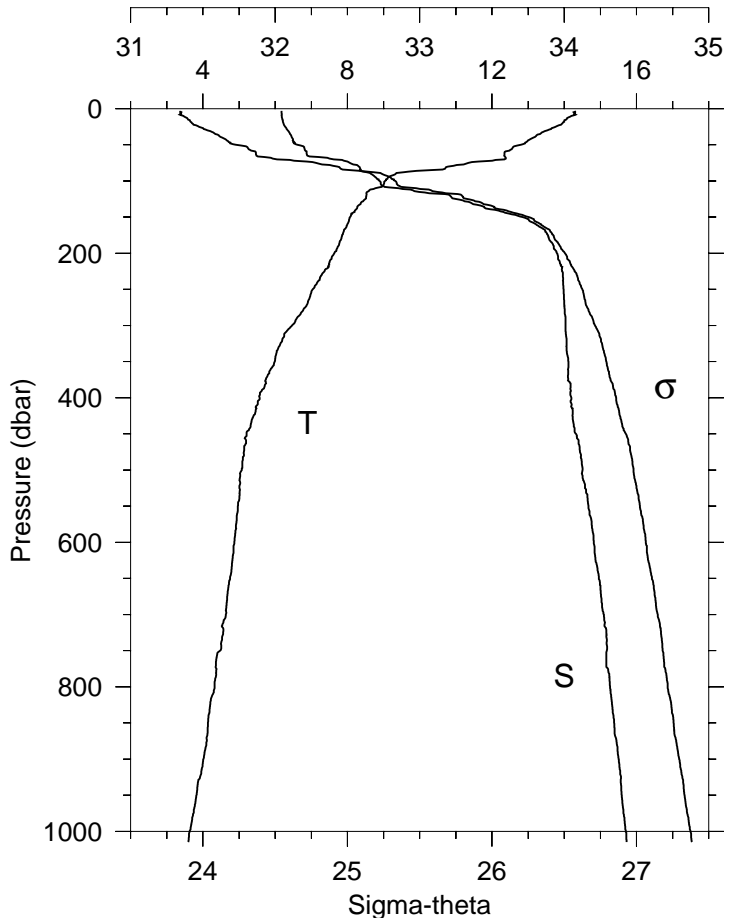
Station 21 CR-9
Temperature, Salinity



STA: 21 CR-9 LAT: 41 54.0 N LONG: 125 24.0 W
05 JUL 2003 1555 GMT DEPTH 3097

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.70	32.261	11.70	24.518	0.102	0.66	85.6
10	11.37	32.284	11.37	24.596	0.339	1.04	84.9
20	10.63	32.295	10.63	24.735	0.665	1.40	83.9
30	10.19	32.365	10.18	24.865	0.982	0.89	86.5
40	9.69	32.491	9.69	25.045	1.284	0.26	90.1
50	8.94	32.833	8.93	25.433	1.556	0.39	88.9
60	9.58	33.146	9.58	25.575	1.804	1.77	79.1
70	9.60	33.249	9.59	25.653	2.043	2.65	77.3
80	9.47	33.295	9.46	25.711	2.274	2.18	77.5
90	9.40	33.469	9.39	25.858	2.496	1.87	79.9
100	9.33	33.516	9.32	25.905	2.709	2.20	76.1
110	9.21	33.578	9.20	25.973	2.916	2.13	76.8
120	8.42	33.575	8.40	26.095	3.117	0.38	89.4
130	8.30	33.657	8.28	26.178	3.305	0.09	90.9
140	7.92	33.677	7.91	26.249	3.488	0.08	91.1
150	7.98	33.765	7.96	26.310	3.663	0.07	91.2
175	7.74	33.863	7.72	26.421	4.081	0.06	91.3
200	7.39	33.958	7.37	26.547	4.474	0.06	91.2
225	7.19	33.999	7.17	26.608	4.845	0.06	91.6
250	6.81	34.003	6.78	26.663	5.203	0.06	91.8
275	6.63	34.008	6.60	26.691	5.551	0.06	91.9
300	6.32	34.022	6.30	26.742	5.890	0.05	91.9
350	6.08	34.081	6.05	26.820	6.541	0.06	91.5
400	5.85	34.112	5.82	26.874	7.161	0.06	91.5
450	5.56	34.136	5.53	26.929	7.759	0.06	91.8
500	5.36	34.172	5.31	26.982	8.334	0.06	91.2
600	4.92	34.229	4.87	27.079	9.422	0.06	91.5
800	4.22	34.346	4.15	27.250	11.332	0.07	91.7
1000	3.64	34.434	3.57	27.380	12.997	0.06	92.1
1005	3.63	34.435	3.56	27.381	13.036	0.06	92.1

Station 22 CR-10
Temperature, Salinity



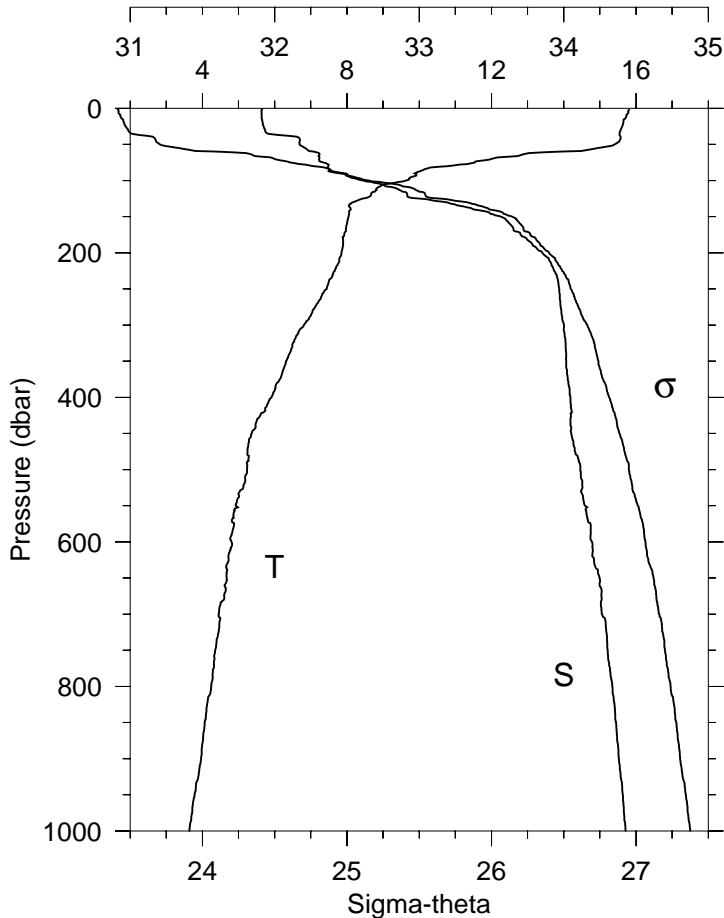
STA: 22 CR-10 LAT: 41 54.0 N LONG: 125 40.0 W
05 JUL 2003 1845 GMT DEPTH 2927

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	14.30	32.044	14.30	23.843	0.122	0.06	89.5
10	14.20	32.045	14.20	23.865	0.405	0.07	89.4
20	13.96	32.057	13.95	23.924	0.805	0.11	89.3
30	13.54	32.086	13.53	24.032	1.198	0.18	89.2
40	13.15	32.116	13.15	24.132	1.581	0.17	89.1
50	12.80	32.152	12.80	24.227	1.955	0.19	88.7
60	12.35	32.218	12.34	24.365	2.317	0.31	86.9
70	12.34	32.405	12.34	24.512	2.670	0.49	87.7
80	10.78	32.580	10.77	24.931	2.989	0.34	89.7
90	9.33	32.663	9.32	25.238	3.280	0.13	91.2
100	9.04	32.723	9.03	25.331	3.549	0.11	91.5
110	8.77	32.854	8.76	25.475	3.812	0.09	91.7
120	8.53	33.208	8.51	25.791	4.048	0.06	91.7
130	8.38	33.353	8.36	25.926	4.265	0.06	91.7
140	8.23	33.521	8.21	26.081	4.468	0.05	91.6
150	8.07	33.711	8.06	26.253	4.654	0.05	91.6
175	7.85	33.888	7.84	26.425	5.076	0.05	91.7
200	7.64	33.950	7.61	26.506	5.474	0.05	91.8
225	7.37	33.986	7.34	26.572	5.855	0.05	91.8
250	7.04	33.996	7.01	26.626	6.221	0.05	91.9
275	6.83	34.001	6.81	26.658	6.578	0.05	91.9
300	6.46	34.010	6.44	26.714	6.925	0.05	91.9
350	5.99	34.029	5.96	26.791	7.587	0.05	92.0
400	5.57	34.049	5.53	26.859	8.219	0.05	92.1
450	5.21	34.081	5.17	26.927	8.823	0.05	92.2
500	5.07	34.127	5.03	26.979	9.395	0.05	92.2
600	4.87	34.204	4.83	27.064	10.483	0.06	92.3
800	4.32	34.317	4.26	27.215	12.455	0.05	92.2
1000	3.64	34.426	3.57	27.374	14.161	0.06	92.3
1015	3.60	34.432	3.52	27.383	14.277	0.05	92.3

NH0307A

Station 23 CR-11
Temperature, Salinity

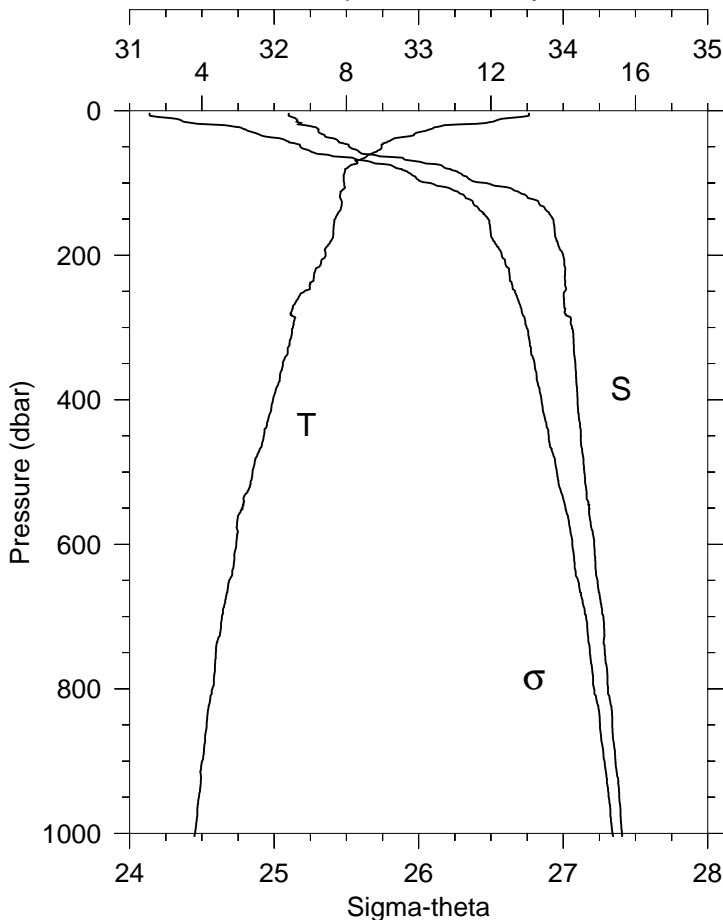
STA: 23 CR-11 LAT: 41 54.3 N LONG: 125 58.2 W
05 JUL 2003 2110 GMT DEPTH 3333



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	15.81	31.918	15.81	23.422	0.045	0.05	89.2
10	15.74	31.909	15.74	23.431	0.445	0.06	89.3
20	15.64	31.917	15.64	23.458	0.889	0.08	89.2
30	15.58	31.932	15.57	23.485	1.330	0.10	89.1
40	15.57	32.161	15.57	23.661	1.765	0.13	90.1
50	15.41	32.171	15.41	23.705	2.187	0.13	90.5
60	13.95	32.267	13.94	24.088	2.594	0.25	89.8
70	11.99	32.306	11.98	24.501	2.952	0.60	88.8
80	10.78	32.371	10.77	24.769	3.284	0.29	90.2
90	9.87	32.453	9.86	24.987	3.592	0.16	91.0
100	9.62	32.614	9.61	25.153	3.883	0.12	91.3
110	8.84	32.830	8.83	25.446	4.150	0.08	91.6
120	8.66	32.917	8.65	25.542	4.399	0.07	91.7
130	8.17	33.186	8.16	25.827	4.634	0.05	91.7
140	8.11	33.374	8.09	25.984	4.844	0.05	91.7
150	8.05	33.564	8.03	26.142	5.039	0.04	91.7
175	7.93	33.702	7.91	26.268	5.495	0.04	91.7
200	7.85	33.853	7.83	26.398	5.923	0.05	91.8
225	7.66	33.934	7.64	26.490	6.325	0.05	91.8
250	7.44	33.968	7.41	26.548	6.710	0.05	91.9
275	7.12	33.979	7.09	26.602	7.083	0.05	91.9
300	6.81	34.002	6.78	26.662	7.444	0.05	92.0
350	6.31	34.017	6.28	26.740	8.132	0.05	92.0
400	5.91	34.046	5.88	26.814	8.789	0.05	92.1
450	5.36	34.052	5.33	26.886	9.410	0.05	92.1
500	5.23	34.115	5.19	26.951	10.000	0.05	92.1
600	4.80	34.195	4.76	27.065	11.101	0.05	92.2
800	4.24	34.336	4.18	27.239	13.044	0.06	92.2
1000	3.64	34.428	3.56	27.375	14.721	0.05	92.3
1001	3.63	34.428	3.56	27.375	14.729	0.06	92.3

Station 24 FM-9
Temperature, Salinity

STA: 24 FM-9 LAT: 43 13.1 N LONG: 125 10.2 W
06 JUL 2003 0636 GMT DEPTH 1708

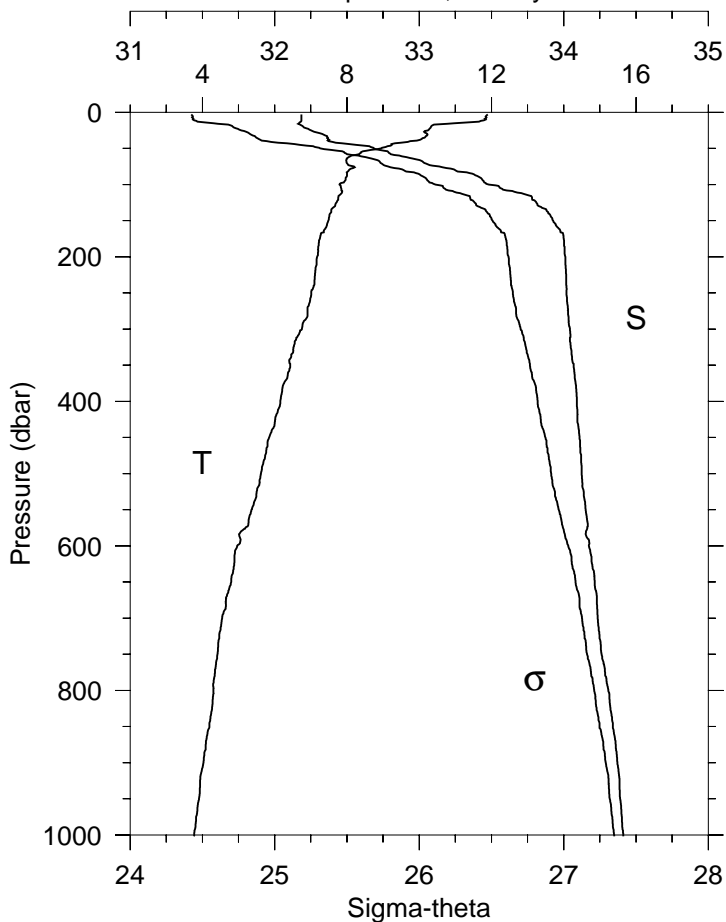


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	13.05	32.102	13.05	24.140	0.113	0.83	83.2
10	12.53	32.143	12.53	24.272	0.375	1.55	80.7
20	10.71	32.211	10.71	24.655	0.727	3.88	76.3
30	9.98	32.308	9.98	24.854	1.044	0.46	88.7
40	9.26	32.432	9.25	25.068	1.344	0.29	89.9
50	8.97	32.518	8.97	25.180	1.627	0.26	90.2
60	8.68	32.618	8.67	25.304	1.900	0.11	91.2
70	8.27	32.989	8.26	25.657	2.149	0.06	91.4
80	7.99	33.196	7.99	25.860	2.372	0.06	91.5
90	7.92	33.312	7.91	25.962	2.580	0.07	91.5
100	7.94	33.467	7.93	26.080	2.782	0.06	91.3
110	7.89	33.657	7.88	26.237	2.968	0.11	90.3
120	7.82	33.752	7.81	26.322	3.142	0.07	91.0
130	7.87	33.837	7.86	26.382	3.310	0.07	91.1
140	7.79	33.894	7.78	26.438	3.473	0.06	90.7
150	7.68	33.929	7.67	26.481	3.631	0.09	89.7
175	7.63	33.946	7.61	26.503	4.020	0.09	90.0
200	7.42	34.000	7.40	26.575	4.398	0.06	91.5
225	7.11	34.012	7.09	26.628	4.763	0.06	91.7
250	6.84	34.011	6.81	26.665	5.119	0.06	91.6
275	6.50	34.013	6.47	26.712	5.465	0.06	91.7
300	6.52	34.060	6.49	26.747	5.802	0.06	90.5
350	6.24	34.084	6.21	26.802	6.457	0.06	89.6
400	5.97	34.099	5.93	26.850	7.090	0.06	90.3
450	5.71	34.123	5.68	26.900	7.703	0.06	91.0
500	5.40	34.146	5.36	26.956	8.292	0.06	90.6
600	4.95	34.214	4.90	27.063	9.392	0.06	90.8
800	4.29	34.309	4.23	27.213	11.363	0.06	92.2
1000	3.81	34.406	3.73	27.341	13.092	0.06	91.5
1005	3.79	34.409	3.72	27.345	13.132	0.06	91.5

W0304A

Station 25 FM-8
Temperature, Salinity

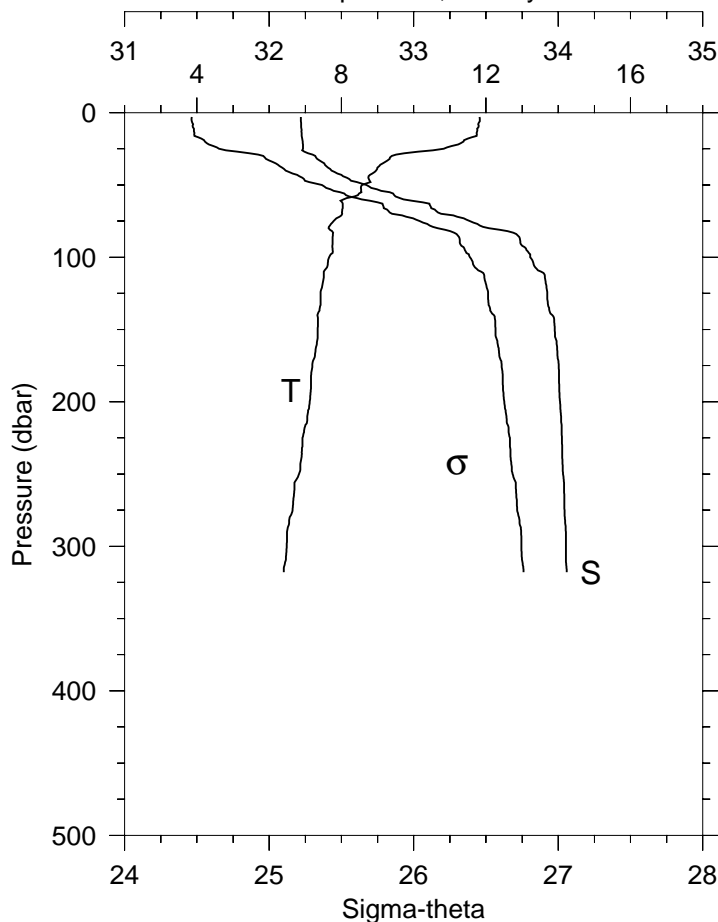
STA: 25 FM-8 LAT: 43 13.2 N LONG: 125 0.2 W
06 JUL 2003 0928 GMT DEPTH 1083



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.90	32.184	11.90	24.422	0.105	1.91	79.0
10	11.84	32.185	11.84	24.434	0.349	2.06	78.9
20	10.33	32.197	10.33	24.710	0.685	3.16	77.3
30	10.23	32.328	10.22	24.829	1.002	0.49	88.7
40	9.75	32.373	9.74	24.944	1.309	0.41	90.5
50	8.95	32.684	8.95	25.314	1.590	0.11	91.4
60	8.12	32.862	8.12	25.578	1.842	0.07	91.4
70	8.00	33.035	7.99	25.732	2.074	0.07	91.4
80	8.05	33.249	8.04	25.893	2.294	0.06	91.6
90	7.97	33.419	7.97	26.037	2.497	0.06	91.6
100	7.79	33.481	7.78	26.113	2.692	0.05	91.6
110	7.87	33.659	7.86	26.241	2.877	0.06	91.5
120	7.76	33.781	7.75	26.354	3.048	0.08	90.8
130	7.67	33.829	7.66	26.405	3.214	0.08	90.8
140	7.53	33.894	7.52	26.475	3.373	0.09	90.1
150	7.48	33.926	7.47	26.508	3.528	0.07	90.4
175	7.25	34.000	7.23	26.599	3.902	0.06	89.8
200	7.17	34.011	7.16	26.618	4.264	0.07	89.7
225	7.11	34.016	7.09	26.631	4.624	0.06	89.6
250	7.01	34.018	6.99	26.647	4.981	0.08	88.7
275	6.91	34.029	6.88	26.670	5.335	0.07	87.5
300	6.75	34.042	6.72	26.702	5.683	0.06	91.1
350	6.43	34.068	6.40	26.766	6.355	0.06	90.5
400	6.16	34.090	6.12	26.819	7.003	0.06	89.9
450	5.85	34.110	5.81	26.873	7.631	0.06	90.1
500	5.62	34.124	5.57	26.913	8.237	0.06	91.3
600	4.96	34.174	4.91	27.031	9.384	0.06	91.9
800	4.30	34.308	4.24	27.210	11.394	0.06	91.9
1000	3.77	34.411	3.69	27.349	13.119	0.06	91.4
1002	3.77	34.411	3.69	27.349	13.135	0.06	91.4

Station 26 FM-7
Temperature, Salinity

STA: 26 FM-7 LAT: 43 12.9 N LONG: 124 50.3 W
06 JUL 2003 1159 GMT DEPTH 338

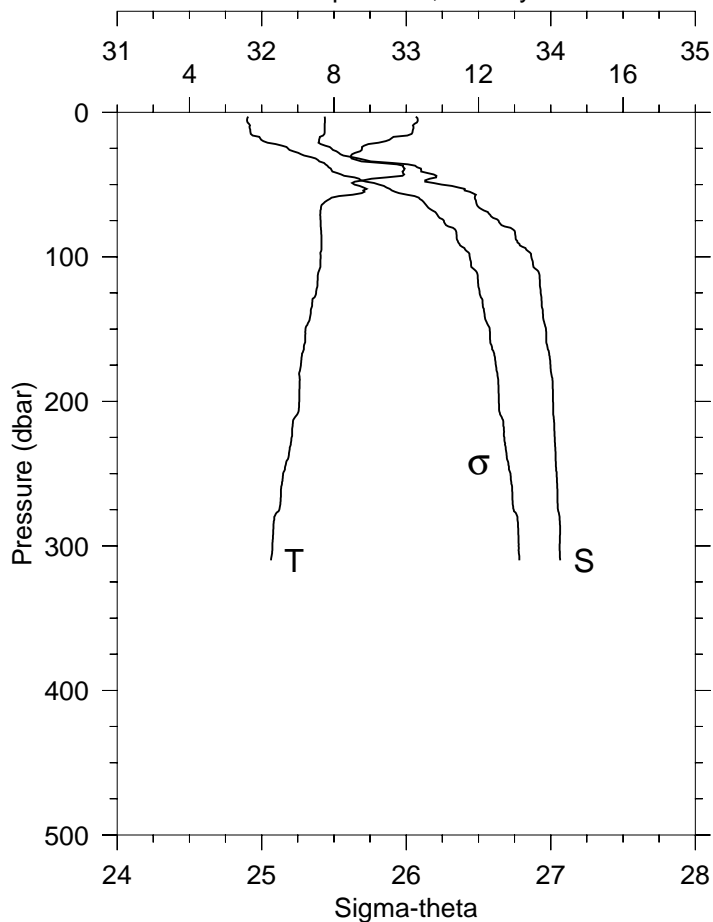


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.82	32.220	11.82	24.464	0.104	1.15	80.6
10	11.79	32.222	11.79	24.472	0.346	1.27	80.5
20	11.38	32.233	11.38	24.555	0.689	1.29	81.0
30	9.39	32.319	9.39	24.959	1.012	0.74	86.8
40	8.96	32.432	8.96	25.114	1.303	0.60	87.3
50	8.56	32.674	8.56	25.365	1.578	0.27	89.7
60	8.06	32.929	8.05	25.640	1.827	0.17	90.3
70	8.02	33.190	8.02	25.850	2.049	0.23	89.6
80	7.65	33.521	7.64	26.165	2.246	0.14	90.2
90	7.75	33.737	7.74	26.319	2.420	0.08	91.0
100	7.66	33.807	7.65	26.389	2.588	0.06	91.4
110	7.51	33.881	7.50	26.467	2.750	0.06	91.5
120	7.47	33.918	7.45	26.503	2.905	0.06	91.1
130	7.43	33.926	7.41	26.516	3.058	0.06	90.8
140	7.34	33.960	7.32	26.555	3.210	0.06	90.2
150	7.34	33.976	7.33	26.566	3.358	0.07	90.0
175	7.20	34.003	7.18	26.609	3.725	0.07	91.2
200	7.12	34.012	7.10	26.627	4.086	0.07	91.2
225	6.92	34.026	6.90	26.665	4.440	0.07	87.6
250	6.83	34.034	6.81	26.685	4.789	0.06	89.5
275	6.65	34.044	6.62	26.716	5.131	0.06	89.3
300	6.49	34.053	6.46	26.745	5.466	0.07	89.6
318	6.40	34.058	6.37	26.760	5.705	0.07	89.4

NH0307A

Station 27 FM-6
Temperature, Salinity

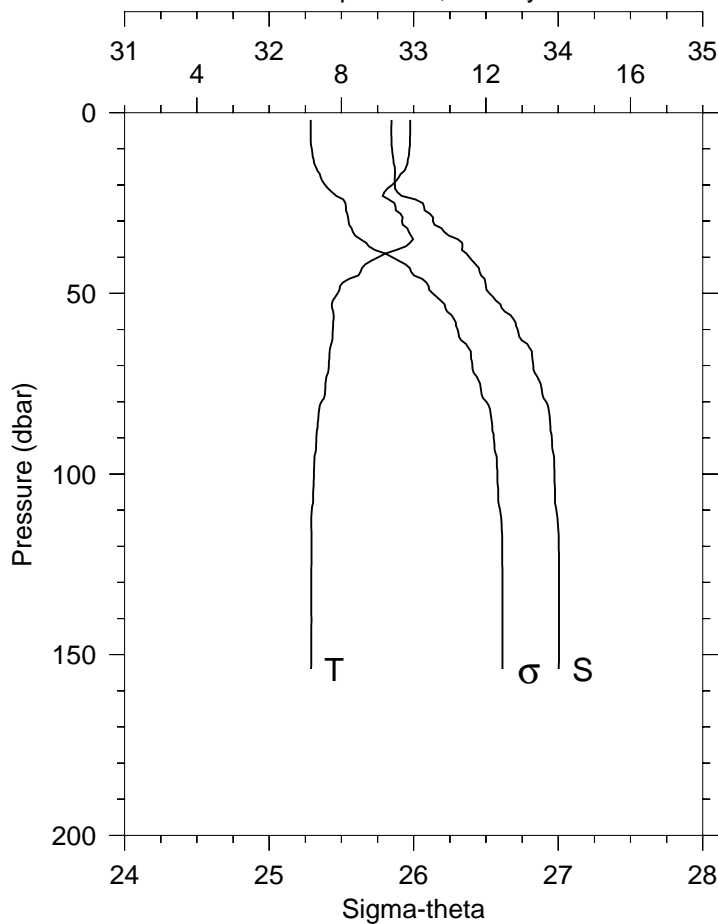
STA: 27 FM-6 LAT: 43 13.1 N LONG: 124 45.3 W
06 JUL 2003 1504 GMT DEPTH 325



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.27	32.436	10.27	24.906	0.091	1.22	83.6
10	10.20	32.435	10.20	24.916	0.304	1.15	84.0
20	9.43	32.396	9.43	25.012	0.604	0.65	86.6
30	8.47	32.564	8.47	25.293	0.883	0.25	89.6
40	9.94	33.103	9.93	25.483	1.139	4.99	63.3
50	8.57	33.246	8.56	25.812	1.375	2.54	76.9
60	7.88	33.476	7.87	26.095	1.580	1.04	82.6
70	7.62	33.571	7.61	26.208	1.767	0.11	89.9
80	7.64	33.721	7.63	26.324	1.944	0.12	89.6
90	7.66	33.770	7.65	26.360	2.112	0.22	89.2
100	7.63	33.866	7.62	26.439	2.275	0.12	90.0
110	7.58	33.913	7.57	26.484	2.433	0.07	90.9
120	7.54	33.925	7.53	26.498	2.588	0.26	91.1
130	7.40	33.936	7.39	26.527	2.741	0.07	90.3
140	7.35	33.946	7.34	26.542	2.892	0.08	90.1
150	7.21	33.967	7.20	26.578	3.042	0.07	89.8
175	7.08	33.998	7.07	26.620	3.406	0.08	89.1
200	7.04	34.015	7.02	26.641	3.762	0.07	88.9
225	6.83	34.027	6.81	26.679	4.113	0.07	86.1
250	6.59	34.041	6.57	26.721	4.456	0.07	89.5
275	6.49	34.050	6.46	26.743	4.791	0.07	88.9
300	6.30	34.062	6.27	26.777	5.118	0.08	83.5
310	6.26	34.064	6.23	26.783	5.248	0.08	83.4

Station 28 FM-5
Temperature, Salinity

STA: 28 FM-5 LAT: 43 13.2 N LONG: 124 40.2 W
06 JUL 2003 1607 GMT DEPTH 164

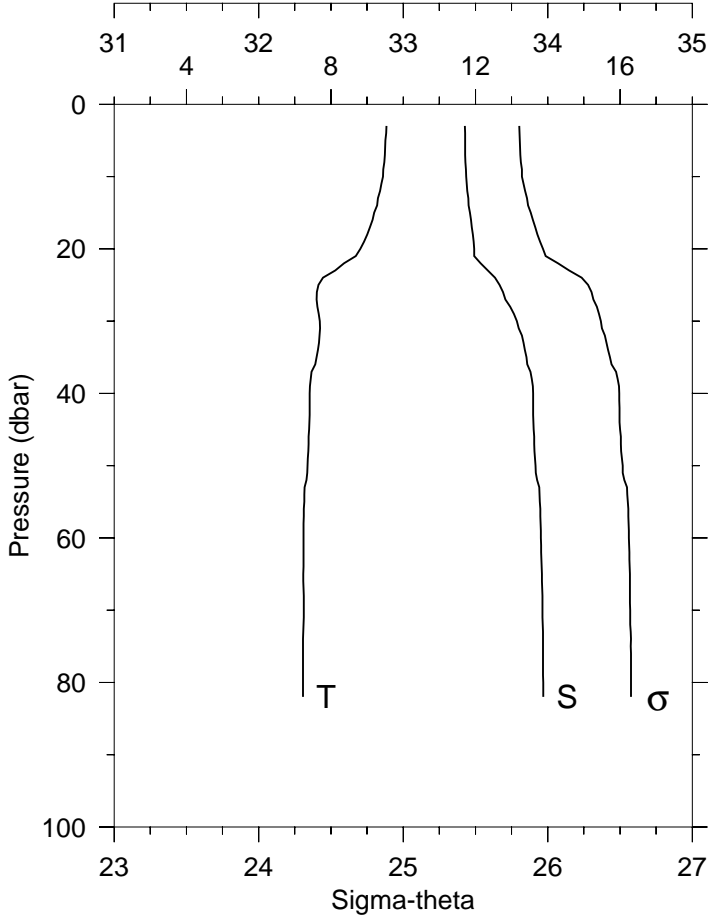


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.90	32.846	9.90	25.287	0.053	5.10	66.6
10	9.88	32.851	9.88	25.295	0.267	4.99	66.7
20	9.40	32.870	9.40	25.388	0.531	4.24	70.0
30	9.68	33.133	9.67	25.549	0.779	5.00	59.4
40	9.02	33.386	9.02	25.852	1.013	4.74	67.4
50	7.89	33.524	7.89	26.131	1.212	0.77	84.6
60	7.76	33.720	7.76	26.305	1.390	0.19	89.0
70	7.65	33.828	7.64	26.406	1.556	0.14	88.7
80	7.45	33.916	7.44	26.503	1.715	0.10	90.0
90	7.31	33.955	7.30	26.554	1.865	0.07	89.6
100	7.24	33.974	7.23	26.579	2.012	0.08	89.1
110	7.18	33.987	7.17	26.598	2.158	0.08	88.3
120	7.17	34.004	7.16	26.613	2.302	0.09	80.8
130	7.17	34.005	7.16	26.614	2.445	0.10	80.1
140	7.17	34.005	7.16	26.614	2.589	0.09	79.9
150	7.16	34.005	7.15	26.614	2.733	0.09	79.7
154	7.16	34.004	7.15	26.614	2.790	0.10	79.7

NH0307A

Station 29 FM-4
Temperature, Salinity

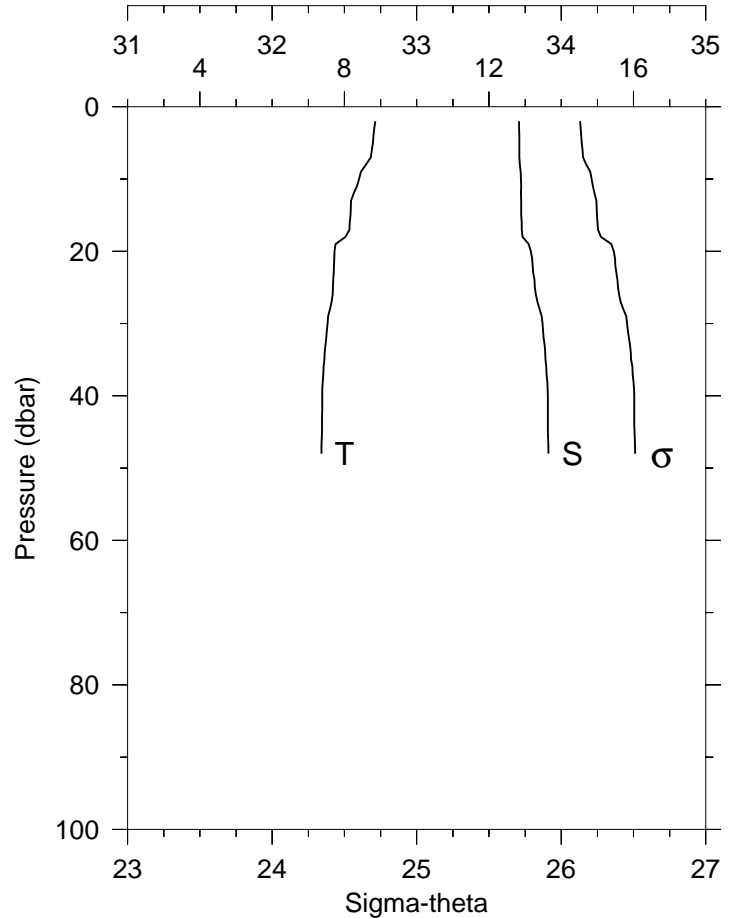
STA: 29 FM-4 LAT: 43 13.2 N LONG: 124 35.1 W
06 JUL 2003 1755 GMT DEPTH 90



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	9.53	33.427	9.53	25.802	0.066	4.94	56.8
10	9.44	33.435	9.44	25.822	0.218	5.00	57.7
20	8.81	33.491	8.81	25.967	0.429	4.12	66.7
30	7.69	33.787	7.69	26.367	0.608	0.21	89.4
40	7.41	33.898	7.41	26.495	0.767	0.14	87.5
50	7.35	33.916	7.34	26.518	0.920	0.13	87.2
60	7.24	33.953	7.23	26.562	1.069	0.13	86.0
70	7.24	33.963	7.24	26.570	1.215	0.11	86.0
80	7.23	33.968	7.22	26.576	1.362	0.11	85.7
82	7.22	33.968	7.22	26.576	1.391	0.11	85.9

Station 30 FM-3
Temperature, Salinity

STA: 30 FM-3 LAT: 43 13.2 N LONG: 124 30.1 W
06 JUL 2003 1945 GMT DEPTH 57

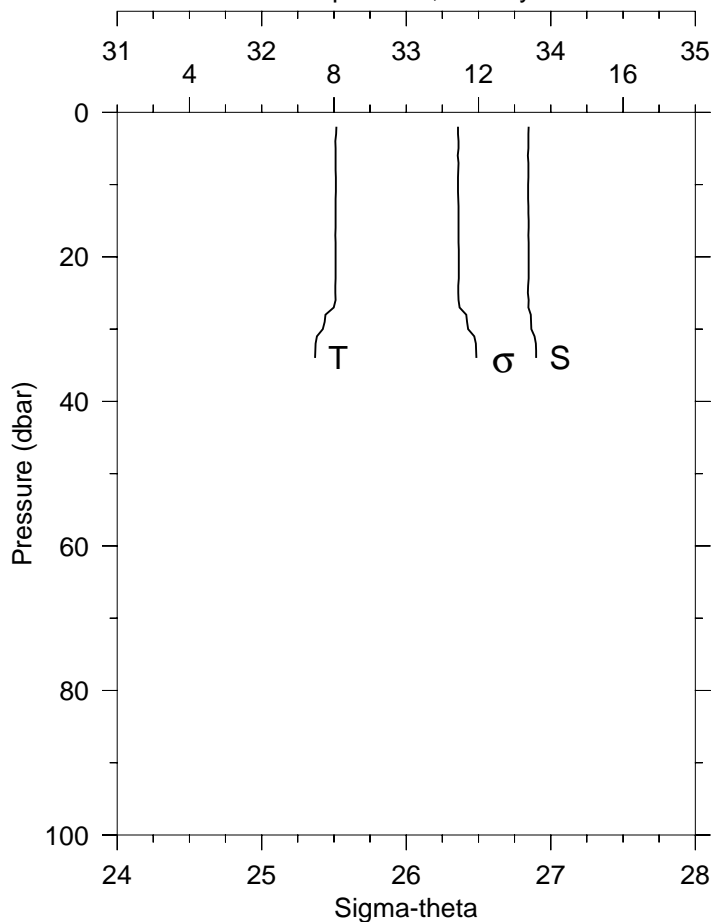


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.86	33.709	8.86	26.130	0.037	1.55	68.6
10	8.40	33.722	8.40	26.210	0.185	3.35	71.5
20	7.72	33.790	7.72	26.364	0.361	0.40	86.3
30	7.53	33.870	7.53	26.455	0.523	0.37	87.1
40	7.39	33.907	7.38	26.505	0.677	0.13	86.9
48	7.37	33.911	7.36	26.511	0.799	0.15	86.8

NH0307A

Station 31 FM-1
Temperature, Salinity

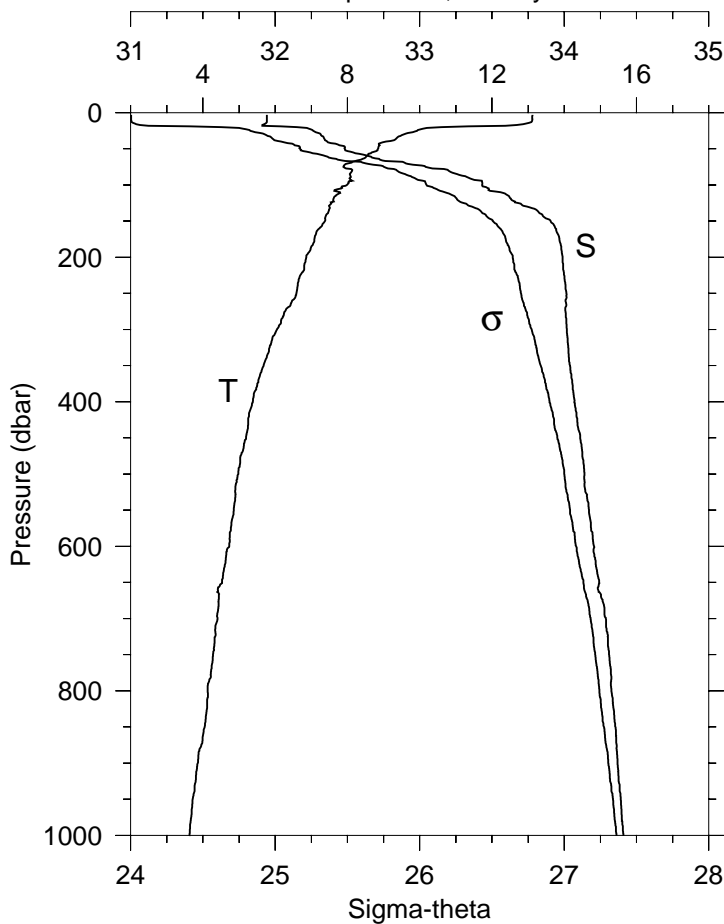
STA: 31 FM-1 LAT: 43 13.2 N LONG: 124 26.0 W
06 JUL 2003 2140 GMT DEPTH 36



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.07	33.847	8.07	26.359	0.033	0.35	80.7
10	8.05	33.844	8.05	26.359	0.166	1.01	80.5
20	8.04	33.847	8.04	26.363	0.331	0.80	80.7
30	7.69	33.866	7.69	26.429	0.496	0.65	82.8
34	7.47	33.899	7.47	26.486	0.558	0.30	83.8

Station 32 HH-7
Temperature, Salinity

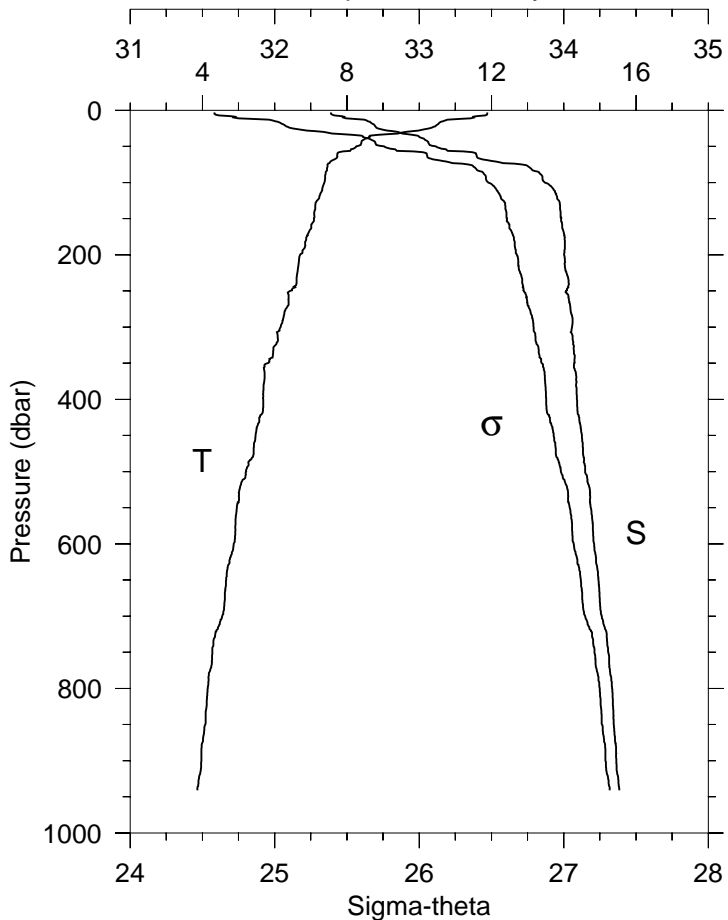
STA: 32 HH-7 LAT: 44 0.1 N LONG: 125 12.1 W
07 JUL 2003 0344 GMT DEPTH 1698



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	13.12	31.943	13.12	24.003	0.117	0.70	83.3
10	13.12	31.943	13.11	24.004	0.390	0.53	83.5
20	10.60	32.151	10.60	24.627	0.771	1.21	81.1
30	9.57	32.315	9.56	24.927	1.082	0.44	87.6
40	9.07	32.359	9.06	25.041	1.380	0.25	89.4
50	8.85	32.482	8.84	25.172	1.663	0.14	90.8
60	8.54	32.643	8.53	25.345	1.935	0.17	90.4
70	8.01	32.903	8.01	25.627	2.187	0.17	90.1
80	8.13	33.200	8.12	25.843	2.412	0.06	91.4
90	8.08	33.340	8.07	25.961	2.623	0.06	91.5
100	7.99	33.432	7.97	26.047	2.823	0.05	91.6
110	7.80	33.558	7.78	26.173	3.014	0.05	91.4
120	7.61	33.633	7.59	26.259	3.194	0.05	91.3
130	7.50	33.743	7.49	26.361	3.367	0.06	91.0
140	7.44	33.839	7.42	26.446	3.530	0.06	91.0
150	7.38	33.905	7.37	26.506	3.687	0.07	91.0
175	7.09	33.966	7.07	26.595	4.060	0.06	90.9
200	6.86	33.988	6.84	26.643	4.419	0.06	89.5
225	6.70	34.000	6.68	26.675	4.771	0.06	89.1
250	6.59	34.015	6.57	26.701	5.116	0.06	88.9
275	6.27	34.009	6.25	26.738	5.454	0.05	91.5
300	6.05	34.018	6.02	26.774	5.785	0.06	91.8
350	5.68	34.040	5.65	26.837	6.422	0.05	91.9
400	5.38	34.070	5.35	26.898	7.031	0.05	92.0
450	5.19	34.111	5.16	26.952	7.616	0.05	92.1
500	4.98	34.140	4.94	27.000	8.177	0.06	92.1
600	4.73	34.207	4.68	27.083	9.248	0.05	92.1
800	4.13	34.327	4.07	27.244	11.159	0.06	92.1
1000	3.63	34.409	3.56	27.361	12.842	0.06	92.2
1001	3.62	34.409	3.55	27.361	12.850	0.06	92.2

NH0307A

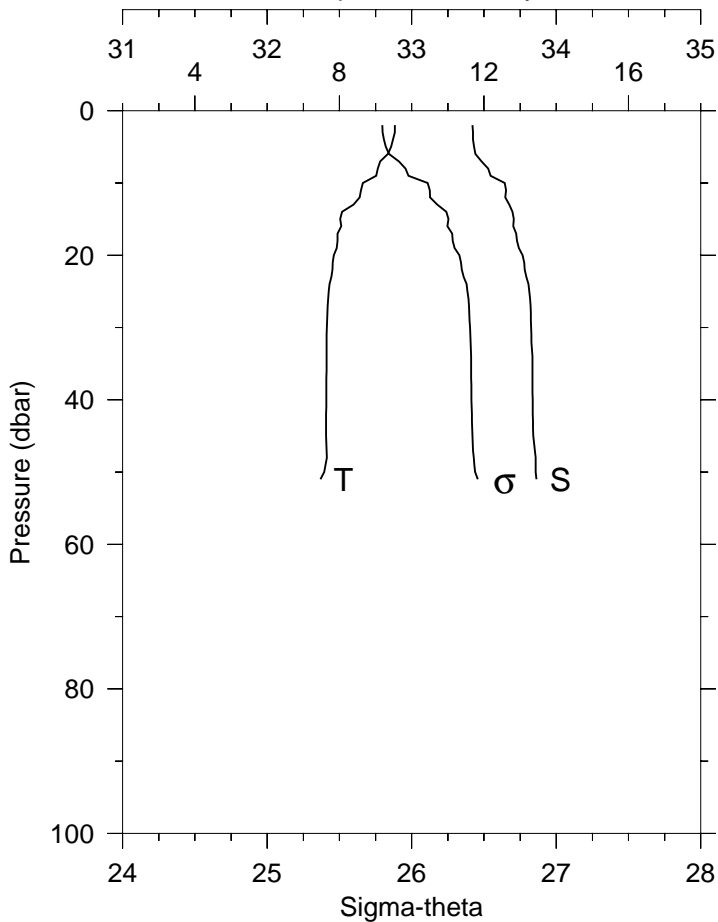
Station 33 HH-5
Temperature, Salinity



STA: 33 HH-5 LAT: 44 0.1 N LONG: 125 0.2 W
07 JUL 2003 0602 GMT DEPTH 939

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.89	32.391	11.89	24.585	0.100	5.00	64.8
10	11.52	32.475	11.52	24.718	0.331	5.00	65.6
20	10.50	32.689	10.49	25.065	0.630	5.00	56.7
30	9.62	32.852	9.61	25.339	0.911	5.00	59.9
40	8.48	33.036	8.48	25.661	1.155	1.88	81.3
50	8.26	33.115	8.26	25.756	1.385	1.40	84.1
60	7.73	33.393	7.73	26.052	1.597	0.32	88.4
70	7.56	33.502	7.56	26.162	1.790	0.21	89.2
80	7.45	33.770	7.44	26.389	1.962	0.12	89.6
90	7.40	33.848	7.39	26.458	2.123	0.13	89.7
100	7.38	33.869	7.36	26.478	2.280	0.21	89.6
110	7.31	33.931	7.30	26.535	2.433	0.10	90.4
120	7.23	33.955	7.22	26.565	2.582	0.07	91.0
130	7.13	33.973	7.12	26.594	2.729	0.07	91.0
140	7.10	33.978	7.09	26.602	2.874	0.06	90.9
150	7.09	33.981	7.07	26.606	3.019	0.07	91.0
175	6.88	34.006	6.87	26.654	3.375	0.06	91.0
200	6.70	34.002	6.68	26.676	3.725	0.06	91.5
225	6.63	34.018	6.61	26.698	4.069	0.06	91.6
250	6.43	34.015	6.40	26.723	4.408	0.06	91.3
275	6.30	34.047	6.28	26.764	4.740	0.06	91.1
300	6.16	34.058	6.14	26.791	5.064	0.06	91.1
350	5.81	34.073	5.78	26.848	5.697	0.06	90.7
400	5.68	34.091	5.65	26.879	6.307	0.06	91.4
450	5.47	34.125	5.43	26.931	6.906	0.06	90.5
500	5.21	34.147	5.17	26.980	7.482	0.06	91.0
600	4.87	34.210	4.82	27.069	8.558	0.06	90.9
800	4.14	34.335	4.09	27.249	10.496	0.06	91.5
941	3.86	34.384	3.79	27.318	11.718	0.06	91.0

Station 34 HH-1
Temperature, Salinity



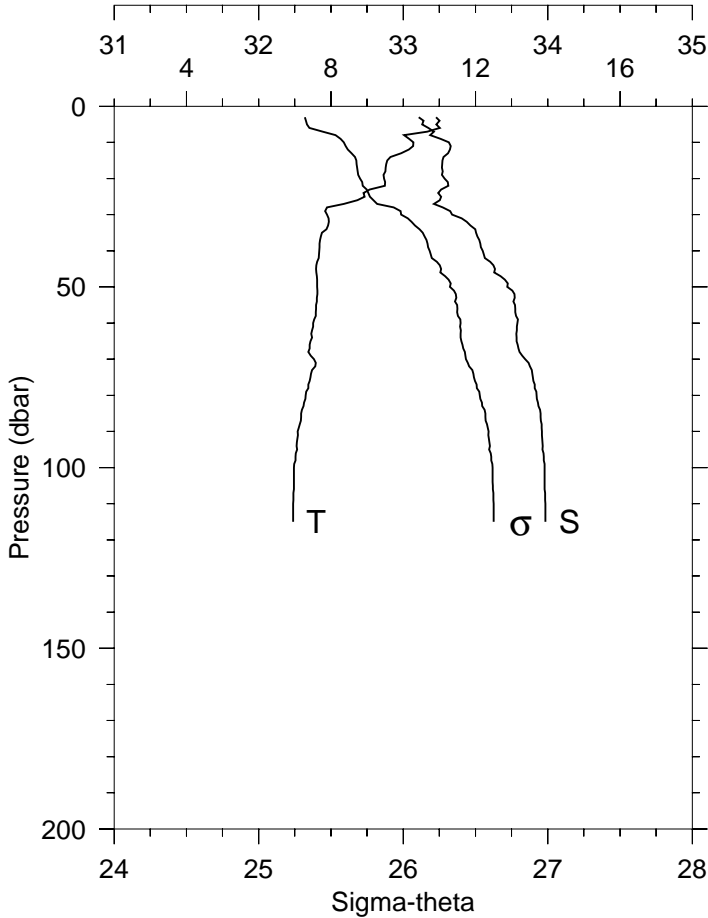
STA: 34 HH-1 LAT: 44 0.2 N LONG: 124 12.2 W
08 JUL 2003 0055 GMT DEPTH 56

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.53	33.421	9.53	25.797	0.044	5.00	60.2
10	8.65	33.643	8.65	26.111	0.212	4.65	76.3
20	7.84	33.768	7.84	26.330	0.391	1.44	84.1
30	7.65	33.826	7.65	26.404	0.555	0.61	85.7
40	7.64	33.837	7.63	26.414	0.717	0.58	84.1
50	7.57	33.858	7.57	26.439	0.877	0.39	85.2
51	7.47	33.863	7.47	26.458	0.893	0.70	85.4

NH0307A

Station 35 HH-2
Temperature, Salinity

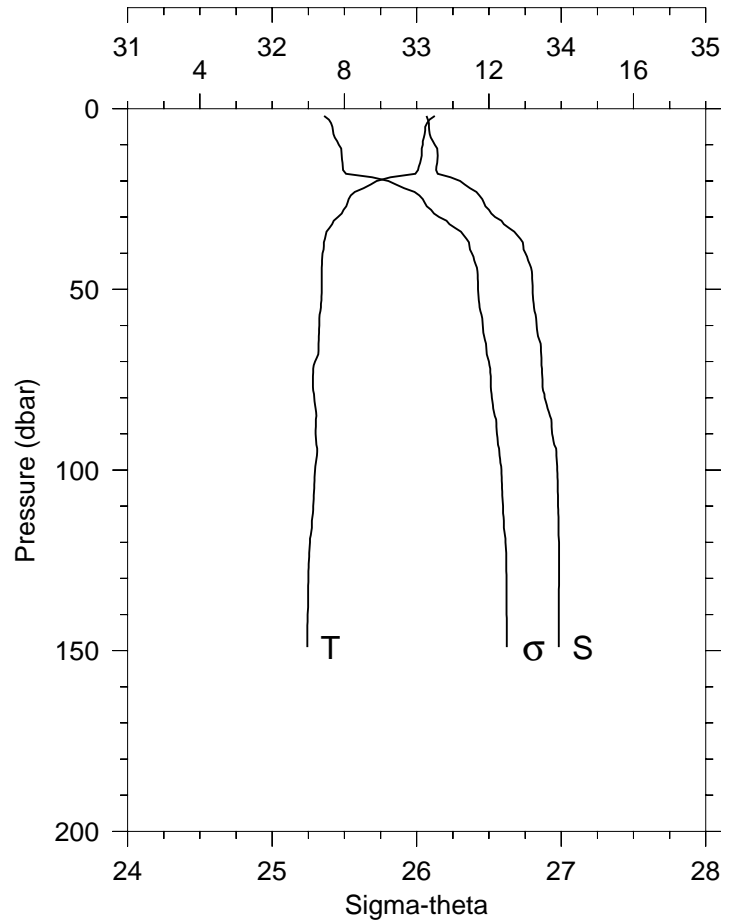
STA: 35 HH-2 LAT: 44 0.1 N LONG: 124 23.9 W
08 JUL 2003 0218 GMT DEPTH 123



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	10.91	33.108	10.91	25.319	0.079	5.00	39.5
10	10.28	33.315	10.28	25.589	0.257	5.00	36.8
20	9.47	33.287	9.47	25.702	0.490	5.00	43.7
30	7.89	33.338	7.89	25.986	0.708	1.54	86.1
40	7.67	33.550	7.67	26.183	0.897	0.18	89.0
50	7.62	33.719	7.61	26.324	1.073	0.15	89.4
60	7.51	33.790	7.50	26.396	1.239	0.14	89.2
70	7.53	33.843	7.52	26.434	1.401	0.11	88.6
80	7.30	33.922	7.29	26.529	1.555	0.12	88.0
90	7.08	33.960	7.07	26.590	1.703	0.09	88.3
100	6.98	33.978	6.97	26.618	1.847	0.10	83.6
110	6.95	33.983	6.94	26.625	1.990	0.14	80.2
115	6.95	33.983	6.94	26.626	2.061	0.20	79.4

Station 36 HH-3
Temperature, Salinity

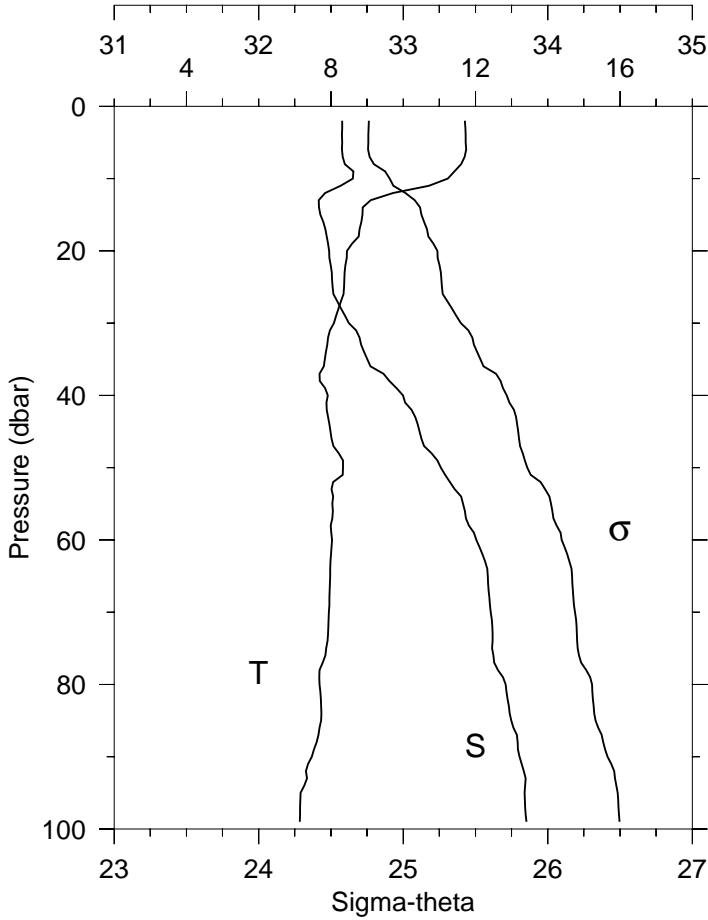
STA: 36 HH-3 LAT: 44 0.1 N LONG: 124 36.0 W
08 JUL 2003 0428 GMT DEPTH 155



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.50	33.068	10.50	25.359	0.052	5.00	45.6
10	10.17	33.126	10.17	25.461	0.256	5.00	42.3
20	8.89	33.300	8.89	25.805	0.502	5.00	50.7
30	7.82	33.542	7.82	26.155	0.700	0.94	84.0
40	7.40	33.752	7.39	26.382	0.872	0.16	89.0
50	7.37	33.802	7.36	26.425	1.033	0.10	89.1
60	7.30	33.831	7.30	26.457	1.192	0.12	88.8
70	7.18	33.864	7.18	26.500	1.347	0.09	88.7
80	7.16	33.886	7.16	26.520	1.500	0.08	89.1
90	7.20	33.938	7.19	26.556	1.649	0.08	89.6
100	7.19	33.973	7.18	26.586	1.797	0.08	90.5
110	7.14	33.978	7.13	26.597	1.942	0.08	89.7
120	7.05	33.986	7.03	26.615	2.086	0.15	87.6
130	7.00	33.985	6.99	26.621	2.229	0.09	84.8
140	6.98	33.983	6.97	26.622	2.372	0.12	83.2
149	6.97	33.983	6.96	26.624	2.500	0.12	80.4

NH0307A

Station 37 HH-4
Temperature, Salinity

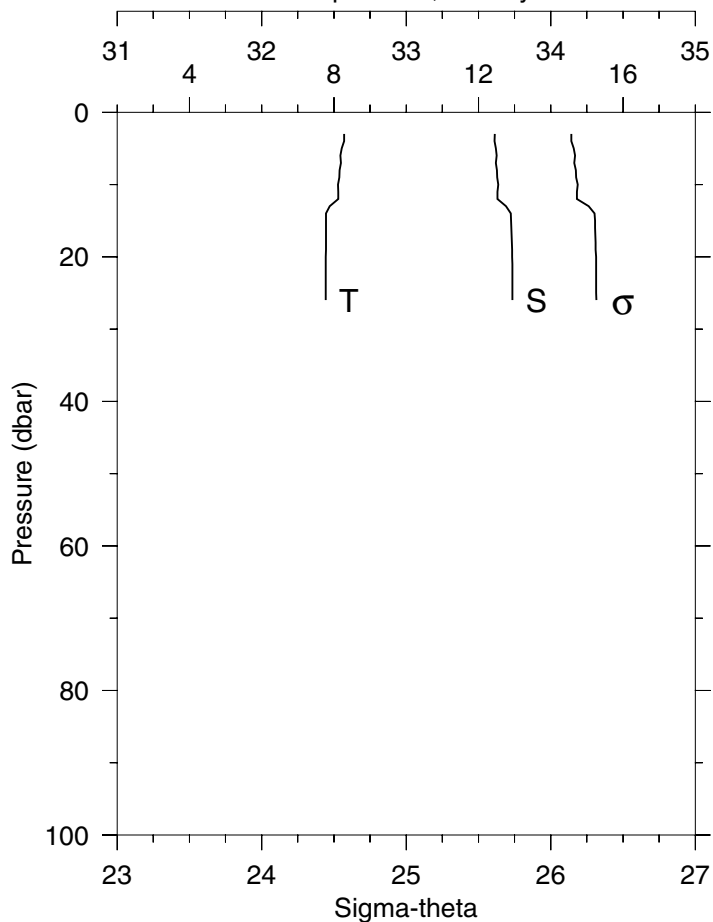


STA: 37 HH-4 LAT: 44 0.2 N LONG: 124 48.1 W
08 JUL 2003 0704 GMT DEPTH 109

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.71	32.578	11.71	24.763	0.063	2.80	73.90
10	11.23	32.652	11.23	24.907	0.316	4.20	69.60
20	8.44	32.487	8.44	25.236	0.601	2.79	78.70
30	8.08	32.624	8.08	25.398	0.868	2.57	79.50
40	7.91	32.999	7.91	25.717	1.111	0.23	89.50
50	8.33	33.260	8.33	25.859	1.331	0.44	88.70
60	8.03	33.505	8.02	26.097	1.531	0.19	89.50
70	7.95	33.606	7.94	26.188	1.717	0.18	89.80
80	7.68	33.708	7.68	26.307	1.896	0.10	89.90
90	7.47	33.805	7.46	26.413	2.065	0.10	89.80
99	7.14	33.852	7.13	26.497	2.205	0.11	89.40

W0309B

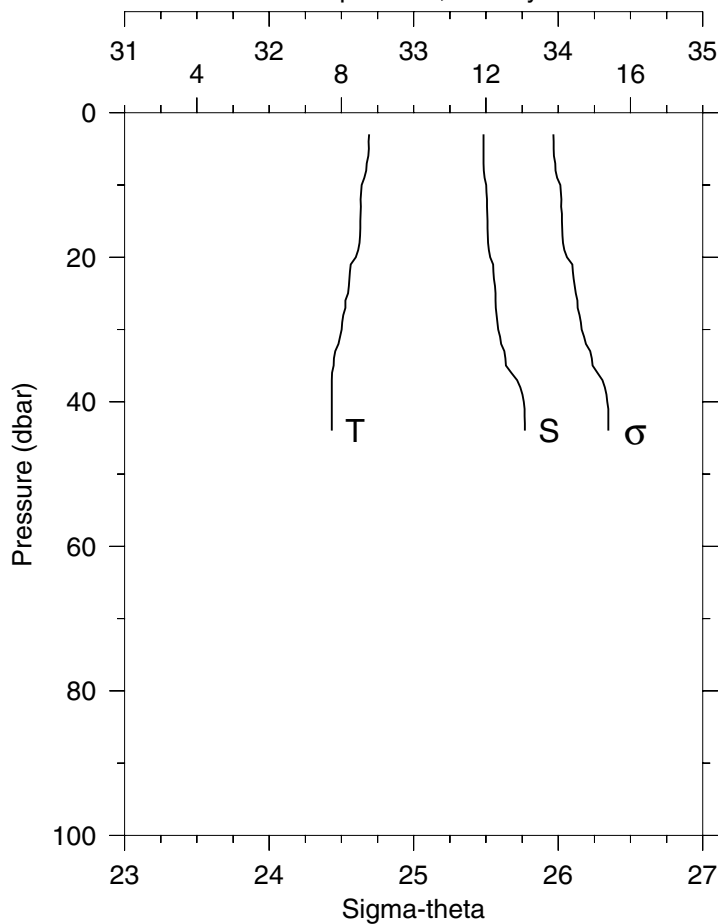
Station 1 NH-1
Temperature, Salinity



STA: 1 NH-1 LAT: 44 39.1 N LONG: 124 6.2 W
26 SEP 2003 1819 GMT DEPTH 30

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	8.28	33.612	8.28	26.142	0.056	0.49	84.7
10	8.11	33.636	8.11	26.186	0.185	0.76	83.0
20	7.77	33.733	7.77	26.313	0.359	0.73	76.5
26	7.77	33.735	7.77	26.315	0.461	0.67	75.4

Station 2 NH-3
Temperature, Salinity

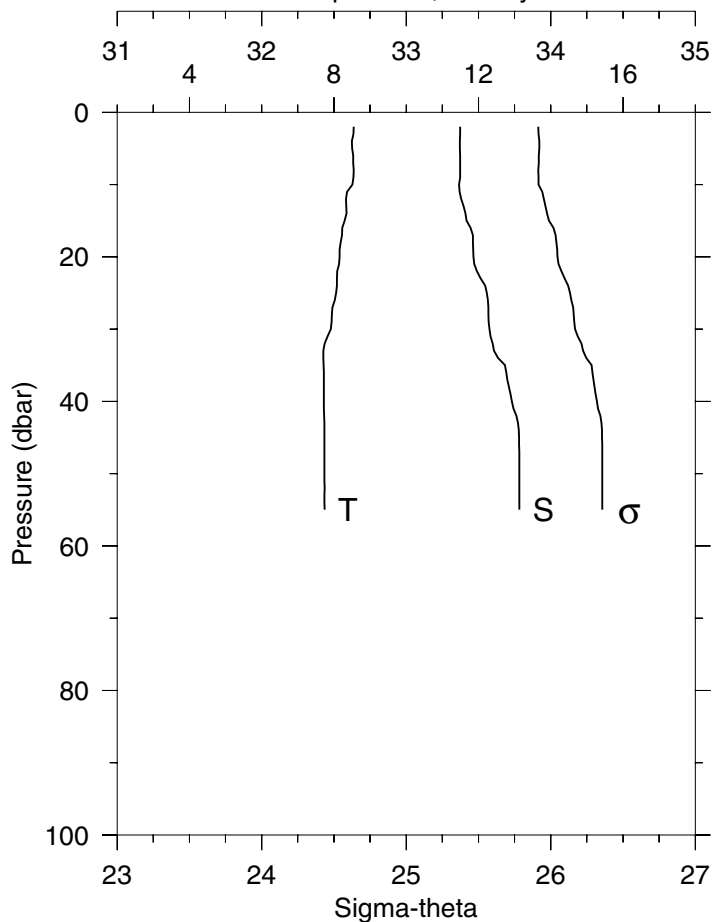


STA: 2 NH-3 LAT: 44 39.1 N LONG: 124 8.0 W
26 SEP 2003 1856 GMT DEPTH 49

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	8.77	33.483	8.77	25.967	0.061	0.52	86.0
10	8.56	33.502	8.56	26.015	0.202	0.56	85.7
20	8.40	33.529	8.39	26.060	0.399	0.68	85.9
30	8.00	33.584	8.00	26.162	0.588	0.49	87.4
40	7.73	33.761	7.73	26.340	0.764	0.50	84.7
44	7.74	33.770	7.73	26.347	0.831	0.55	81.9

W0309B

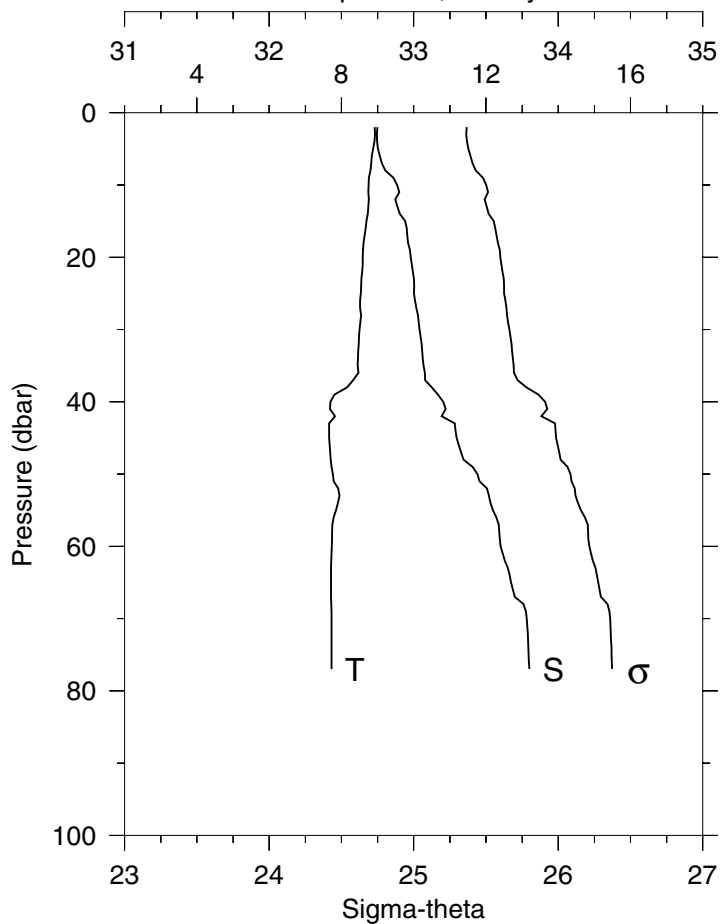
Station 3 NH-5
Temperature, Salinity



STA: 3 NH-5 LAT: 44 39.1 N LONG: 124 10.7 W
26 SEP 2003 1923 GMT DEPTH 60

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.55	33.372	8.55	25.914	0.042	0.48	86.7
10	8.51	33.366	8.51	25.915	0.208	0.51	86.6
20	8.15	33.466	8.15	26.047	0.408	0.56	86.7
30	7.91	33.575	7.91	26.169	0.597	0.45	87.4
40	7.72	33.731	7.72	26.319	0.773	0.42	87.0
50	7.74	33.782	7.73	26.357	0.940	0.46	85.1
55	7.74	33.782	7.73	26.357	1.023	0.51	84.6

Station 4 NH-10
Temperature, Salinity



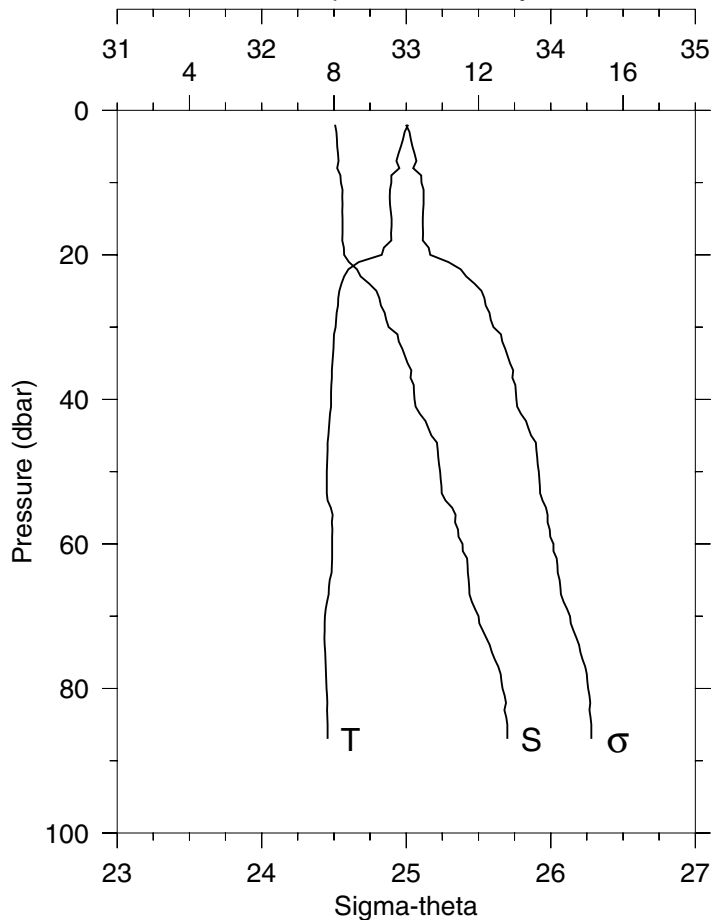
STA: 4 NH-10 LAT: 44 39.1 N LONG: 124 17.8 W
26 SEP 2003 2100 GMT DEPTH 82

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	8.92	32.748	8.92	25.367	0.052	0.58	87.1
10	8.75	32.885	8.75	25.502	0.257	0.82	86.4
20	8.59	32.980	8.59	25.600	0.500	1.27	85.0
30	8.50	33.041	8.50	25.662	0.735	1.18	86.1
40	7.70	33.205	7.69	25.909	0.962	0.50	89.2
50	7.76	33.440	7.76	26.084	1.164	0.42	88.8
60	7.73	33.602	7.73	26.215	1.350	0.40	88.2
70	7.73	33.782	7.72	26.359	1.523	0.42	86.1
77	7.73	33.800	7.72	26.372	1.640	0.47	85.0

W0309B

Station 5 NH-15
Temperature, Salinity

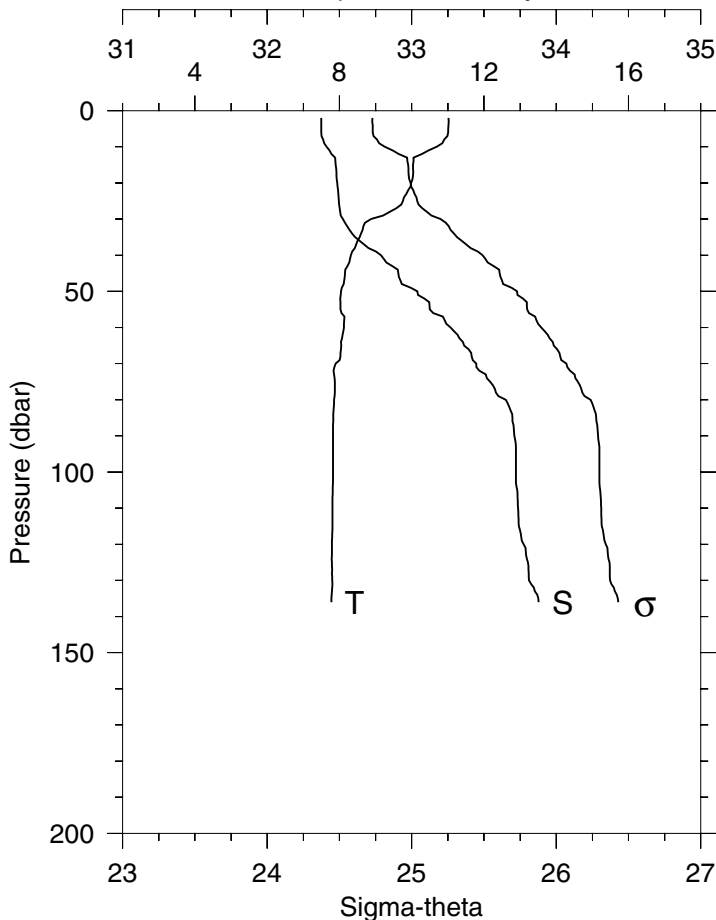
STA: 5 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W
26 SEP 2003 2155 GMT DEPTH 94



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.05	32.508	10.05	24.999	0.059	0.67	85.6
10	9.59	32.548	9.59	25.105	0.291	1.01	84.6
20	9.32	32.571	9.32	25.166	0.574	1.02	85.2
30	8.04	32.879	8.04	25.603	0.825	0.45	89.2
40	7.92	33.058	7.91	25.762	1.052	0.39	89.4
50	7.80	33.235	7.80	25.917	1.267	0.38	89.4
60	7.95	33.390	7.94	26.018	1.471	0.39	88.9
70	7.75	33.501	7.74	26.134	1.666	0.39	88.8
80	7.79	33.667	7.78	26.258	1.848	0.41	87.8
87	7.82	33.700	7.82	26.280	1.970	0.42	87.9

Station 6 NH-20
Temperature, Salinity

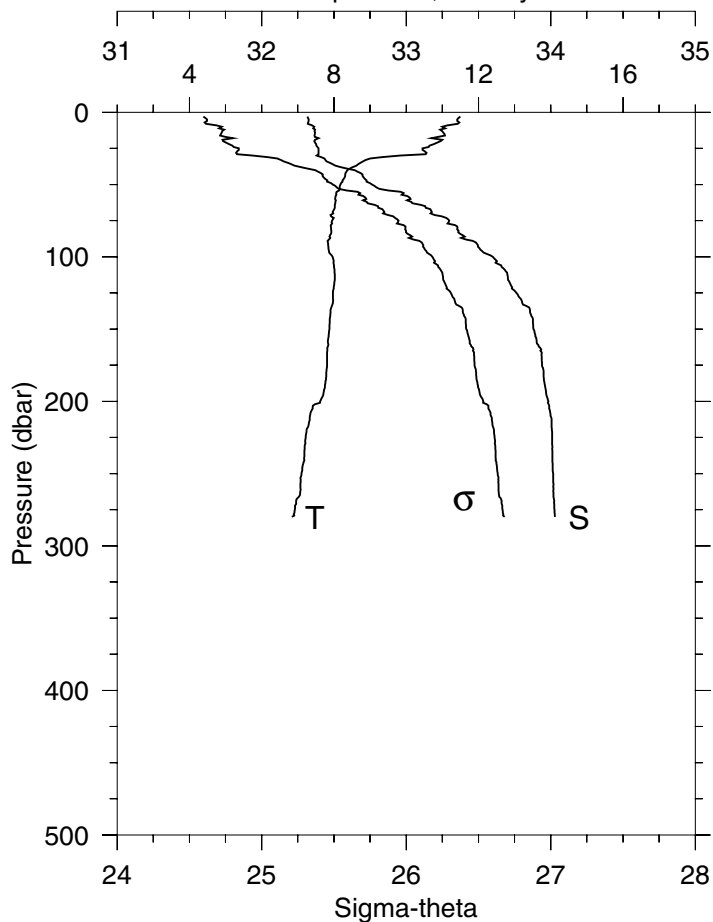
STA: 6 NH-20 LAT: 44 39.1 N LONG: 124 31.8 W
26 SEP 2003 2304 GMT DEPTH 143



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.02	32.374	11.02	24.728	0.064	1.28	82.5
10	10.69	32.411	10.69	24.814	0.319	1.57	82.2
20	9.99	32.485	9.98	24.992	0.619	1.76	82.9
30	8.88	32.523	8.87	25.199	0.909	0.97	87.1
40	8.31	32.788	8.31	25.491	1.173	0.48	89.2
50	8.04	33.039	8.03	25.729	1.412	0.41	89.3
60	8.13	33.269	8.12	25.897	1.630	0.41	89.0
70	7.90	33.446	7.89	26.070	1.832	0.41	88.5
80	7.85	33.651	7.85	26.237	2.020	0.44	88.8
90	7.82	33.711	7.82	26.289	2.195	0.47	88.5
100	7.82	33.722	7.81	26.298	2.368	0.46	88.3
110	7.81	33.736	7.80	26.311	2.541	0.57	88.2
120	7.80	33.774	7.78	26.343	2.712	0.49	87.5
130	7.80	33.812	7.79	26.372	2.879	0.49	87.0
136	7.78	33.879	7.76	26.429	2.977	0.41	85.5

W0204A

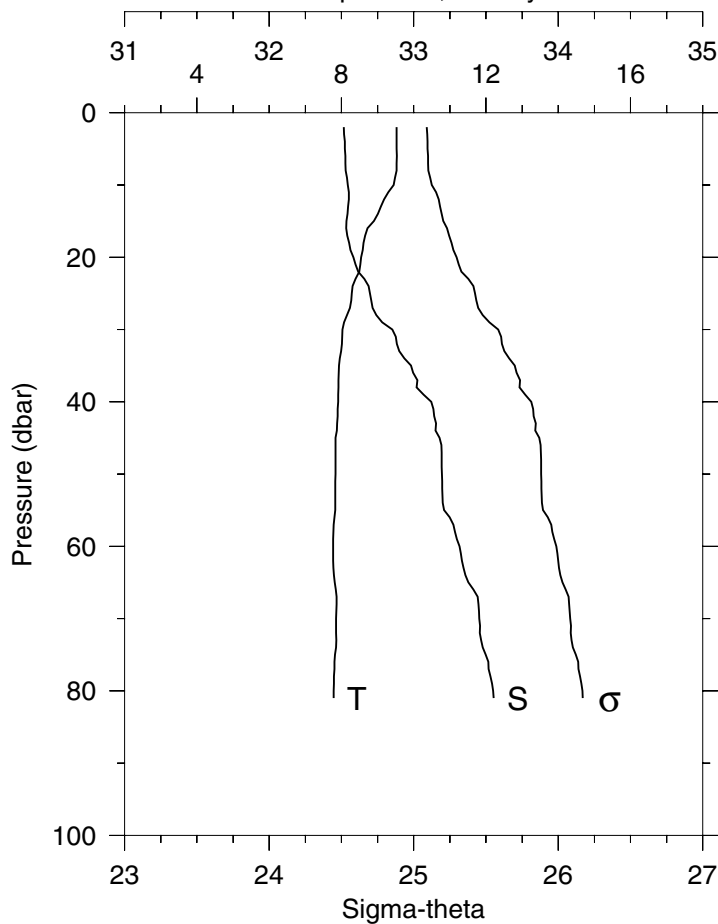
Station 7 NH-25
Temperature, Salinity



STA: 7 NH-25 LAT: 44 39.1 N LONG: 124 39.0 W
27 SEP 2003 0004 GMT DEPTH 294

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.50	32.315	11.50	24.596	0.100	1.77	80.5
10	11.00	32.363	11.00	24.723	0.331	2.00	81.1
20	10.95	32.363	10.95	24.732	0.652	1.83	81.8
30	9.84	32.381	9.83	24.936	0.965	1.78	83.7
40	8.37	32.644	8.36	25.371	1.243	0.46	89.3
50	8.18	32.764	8.17	25.493	1.497	0.42	89.4
60	8.03	33.030	8.02	25.724	1.734	0.40	89.3
70	7.98	33.168	7.97	25.839	1.955	0.38	89.2
80	7.92	33.354	7.91	25.995	2.162	0.38	89.2
90	7.83	33.482	7.82	26.108	2.361	0.37	89.4
100	7.97	33.600	7.95	26.181	2.549	0.37	89.2
110	8.01	33.689	8.00	26.244	2.731	0.37	89.0
120	8.00	33.726	7.99	26.275	2.908	0.38	88.8
130	7.98	33.797	7.96	26.335	3.081	0.38	88.4
140	7.90	33.864	7.89	26.398	3.248	0.38	88.3
150	7.87	33.881	7.86	26.416	3.411	0.37	88.3
175	7.81	33.940	7.79	26.472	3.810	0.38	88.1
200	7.62	33.983	7.60	26.534	4.200	0.38	88.9
225	7.22	34.009	7.19	26.611	4.568	0.38	88.1
250	7.10	34.016	7.08	26.633	4.930	0.37	87.5
275	6.91	34.026	6.89	26.667	5.286	0.38	87.1
280	6.84	34.030	6.81	26.681	5.357	0.37	86.9

Station 8 NH-15
Temperature, Salinity



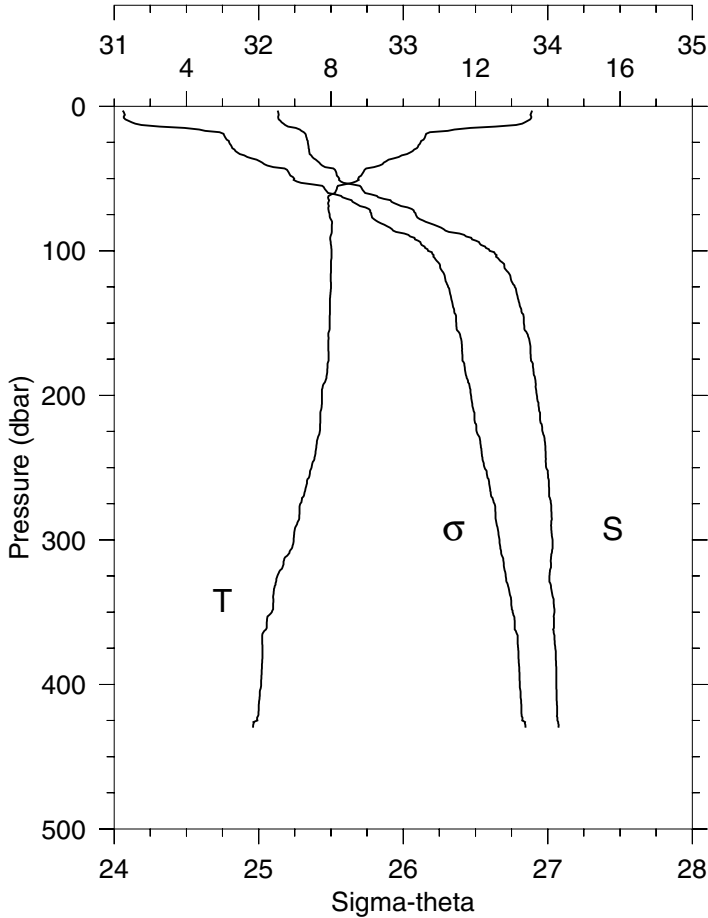
STA: 8 NH-15 LAT: 44 39.1 N LONG: 124 24.8 W
27 SEP 2003 0224 GMT DEPTH 94

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.53	32.516	9.53	25.091	0.057	1.03	85.0
10	9.45	32.544	9.45	25.125	0.285	1.10	84.8
20	8.55	32.583	8.55	25.296	0.560	0.82	87.4
30	8.03	32.853	8.03	25.584	0.816	0.53	88.6
40	7.91	33.122	7.91	25.813	1.046	0.39	89.3
50	7.83	33.196	7.83	25.882	1.260	0.37	89.4
60	7.77	33.317	7.76	25.987	1.468	0.37	89.4
70	7.85	33.454	7.84	26.083	1.666	0.40	88.6
80	7.79	33.549	7.78	26.167	1.855	0.41	88.2
81	7.79	33.553	7.78	26.170	1.874	0.40	87.5

W0309B

Station 9 NH-35
Temperature, Salinity

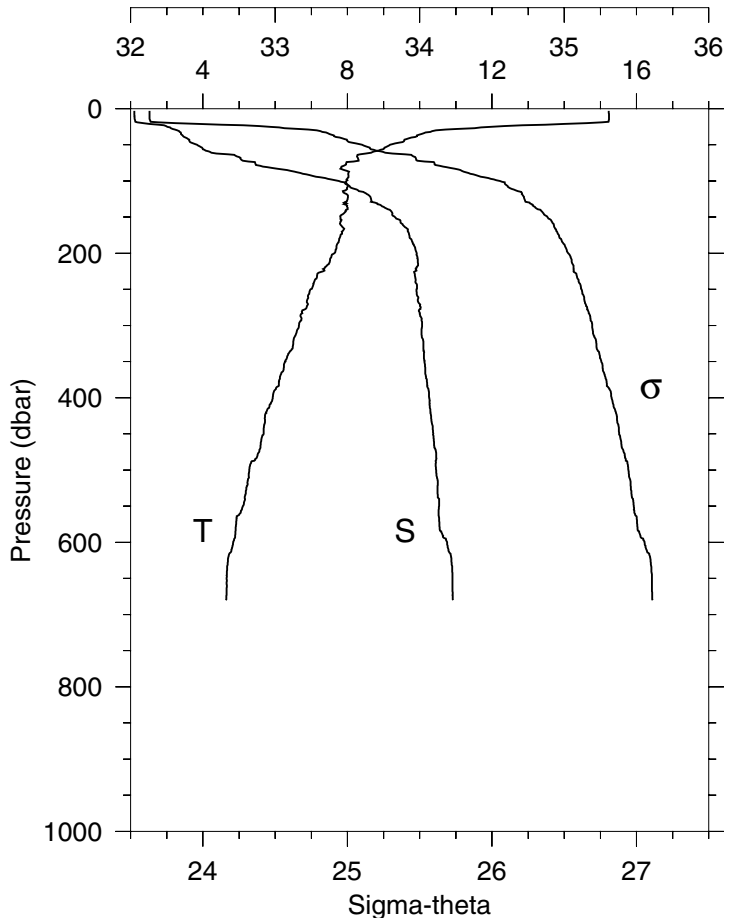
STA: 9 NH-35 LAT: 44 39.1 N LONG: 124 53.0 W
27 SEP 2003 0646 GMT DEPTH 447



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	13.57	32.131	13.57	24.059	0.115	1.28	84.2
10	13.45	32.149	13.45	24.097	0.384	1.29	84.8
20	10.62	32.327	10.62	24.761	0.732	0.79	88.4
30	10.30	32.348	10.30	24.832	1.047	0.79	88.6
40	9.43	32.428	9.42	25.039	1.349	0.66	88.8
50	8.75	32.558	8.74	25.246	1.628	0.52	89.1
60	8.11	32.736	8.11	25.480	1.888	0.42	89.3
70	7.93	33.029	7.92	25.738	2.124	0.39	89.5
80	8.03	33.156	8.02	25.824	2.346	0.38	89.5
90	7.98	33.436	7.97	26.049	2.554	0.38	89.4
100	8.02	33.598	8.01	26.172	2.744	0.37	89.2
110	8.00	33.699	7.99	26.254	2.924	0.38	88.9
120	8.00	33.745	7.98	26.291	3.100	0.37	88.6
130	7.99	33.786	7.97	26.325	3.272	0.38	88.2
140	7.97	33.816	7.96	26.351	3.442	0.38	87.9
150	7.96	33.835	7.95	26.367	3.610	0.38	87.9
175	7.93	33.884	7.91	26.410	4.023	0.38	87.9
200	7.75	33.924	7.73	26.469	4.426	0.38	88.4
225	7.69	33.964	7.67	26.508	4.818	0.38	88.6
250	7.46	33.990	7.43	26.563	5.199	0.38	88.5
275	7.15	34.023	7.13	26.632	5.568	0.38	88.8
300	6.97	34.033	6.94	26.666	5.925	0.38	89.5
350	6.36	34.046	6.33	26.757	6.610	0.38	88.7
400	6.07	34.060	6.03	26.806	7.260	0.38	88.0
430	5.84	34.075	5.80	26.847	7.643	0.38	88.1

Station 10 NH-45
Temperature, Salinity

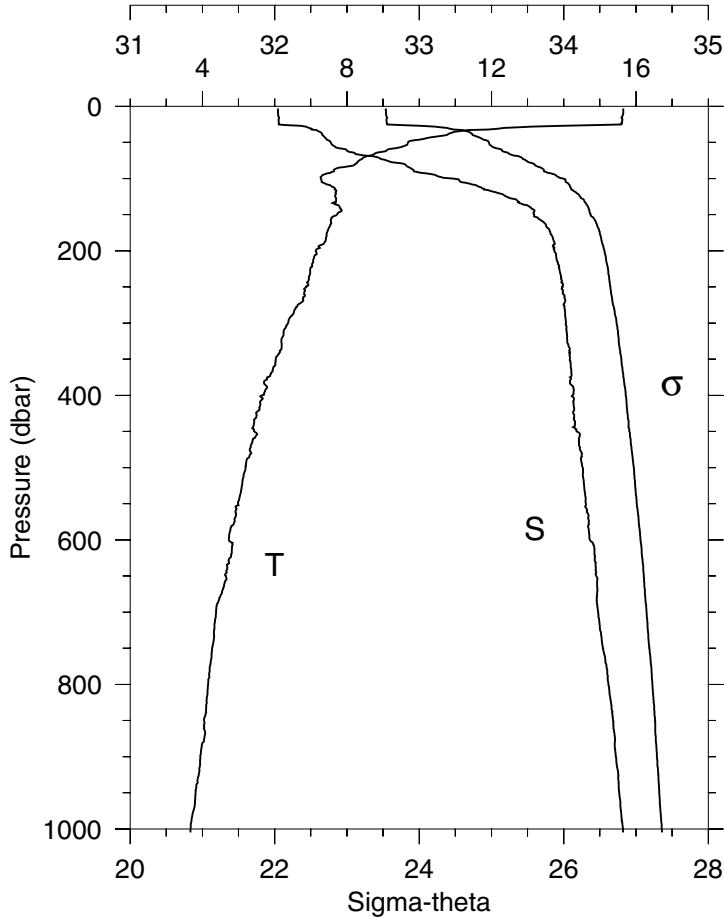
STA: 10 NH-45 LAT: 44 39.1 N LONG: 125 7.1 W
27 SEP 2003 1021 GMT DEPTH 696



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	15.23	32.026	15.23	23.630	0.128	0.75	87.7
10	15.24	32.027	15.24	23.630	0.425	0.75	87.6
20	14.62	32.086	14.62	23.808	0.850	0.80	87.4
30	10.45	32.323	10.44	24.788	1.202	0.70	88.8
40	9.77	32.380	9.77	24.946	1.509	0.62	88.9
50	9.18	32.460	9.18	25.102	1.804	0.59	89.0
60	8.70	32.550	8.70	25.247	2.084	0.49	89.2
70	8.30	32.764	8.29	25.475	2.341	0.41	89.3
80	7.84	32.915	7.83	25.662	2.582	0.39	89.4
90	8.02	33.191	8.01	25.851	2.805	0.38	89.5
100	7.97	33.440	7.96	26.055	3.011	0.38	89.4
110	7.99	33.533	7.97	26.126	3.204	0.37	89.3
120	8.01	33.649	8.00	26.214	3.388	0.37	89.1
130	7.91	33.690	7.90	26.260	3.568	0.38	89.2
140	7.97	33.794	7.95	26.335	3.743	0.38	88.7
150	7.81	33.828	7.79	26.384	3.911	0.38	89.2
175	7.81	33.928	7.79	26.463	4.316	0.38	88.5
200	7.64	33.979	7.62	26.528	4.705	0.39	88.2
225	7.32	33.967	7.30	26.564	5.082	0.37	89.5
250	6.98	33.978	6.96	26.619	5.449	0.38	89.4
275	6.87	34.007	6.84	26.658	5.807	0.38	89.4
300	6.66	34.016	6.63	26.693	6.157	0.38	89.5
350	6.29	34.033	6.26	26.756	6.837	0.38	89.5
400	5.93	34.066	5.90	26.828	7.486	0.38	89.5
450	5.68	34.093	5.64	26.880	8.105	0.37	89.5
500	5.28	34.114	5.24	26.945	8.700	0.38	89.8
600	4.84	34.189	4.79	27.056	9.826	0.38	89.7
680	4.64	34.230	4.58	27.112	10.647	0.37	89.6

W0309B

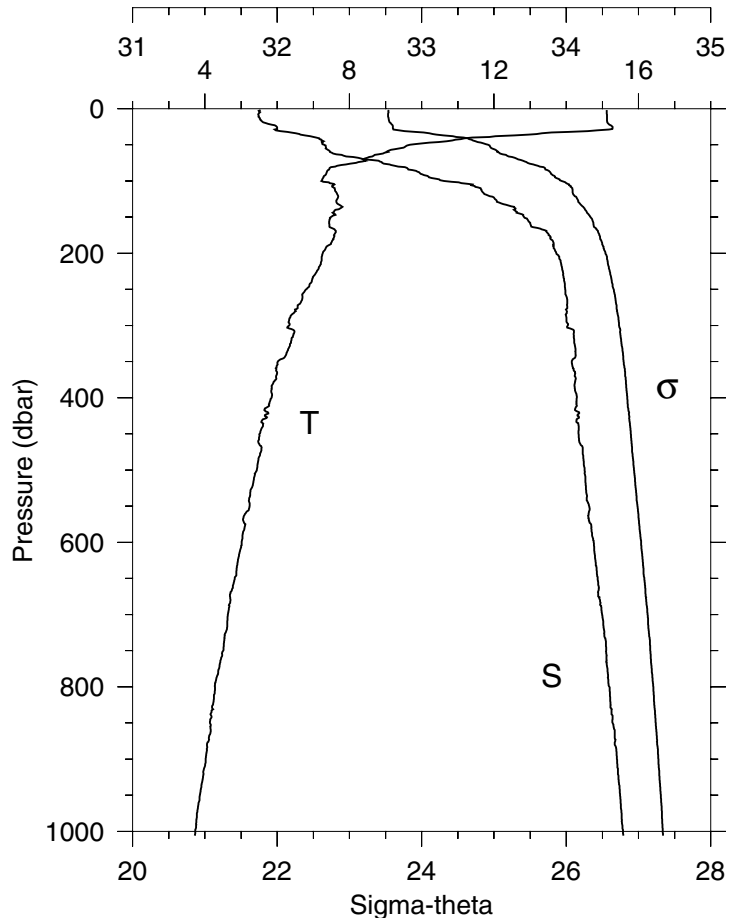
Station 11 NH-55
Temperature, Salinity



STA: 11 NH-55 LAT: 44 39.1 N LONG: 125 22.0 W
27 SEP 2003 1345 GMT DEPTH 2865

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	15.65	32.023	15.65	23.539	0.130	0.84	86.2
10	15.65	32.023	15.65	23.538	0.434	0.85	86.1
20	15.62	32.027	15.62	23.548	0.868	0.86	86.4
30	12.34	32.239	12.33	24.384	1.278	0.88	87.8
40	10.76	32.330	10.75	24.741	1.609	0.65	88.8
50	9.69	32.388	9.69	24.964	1.917	0.56	89.0
60	9.13	32.494	9.12	25.138	2.212	0.53	89.1
70	8.49	32.702	8.48	25.398	2.485	0.44	89.3
80	8.22	32.901	8.21	25.594	2.735	0.41	89.4
90	7.64	32.963	7.63	25.728	2.967	0.38	89.6
100	7.28	33.237	7.27	25.993	3.181	0.36	89.6
110	7.55	33.401	7.54	26.084	3.379	0.36	89.6
120	7.69	33.544	7.67	26.178	3.569	0.37	89.6
130	7.70	33.676	7.69	26.280	3.749	0.36	89.6
140	7.80	33.772	7.79	26.340	3.921	0.38	89.5
150	7.72	33.796	7.70	26.372	4.090	0.37	89.6
175	7.45	33.908	7.43	26.499	4.490	0.37	89.6
200	7.14	33.935	7.12	26.563	4.871	0.37	89.6
225	6.98	33.969	6.96	26.612	5.239	0.38	89.6
250	6.88	33.993	6.85	26.645	5.599	0.38	89.6
275	6.63	33.999	6.61	26.684	5.951	0.37	89.7
300	6.37	34.015	6.34	26.730	6.292	0.37	89.7
350	6.03	34.042	6.00	26.796	6.952	0.38	89.6
400	5.65	34.059	5.62	26.857	7.582	0.38	89.7
450	5.43	34.089	5.39	26.908	8.189	0.37	89.7
500	5.19	34.132	5.15	26.970	8.771	0.38	89.7
600	4.73	34.181	4.68	27.062	9.869	0.38	89.8
800	4.16	34.309	4.10	27.227	11.833	0.37	89.8
1000	3.67	34.409	3.60	27.356	13.543	0.37	89.7
1005	3.66	34.410	3.59	27.358	13.583	0.37	89.6

Station 12 NH-65
Temperature, Salinity

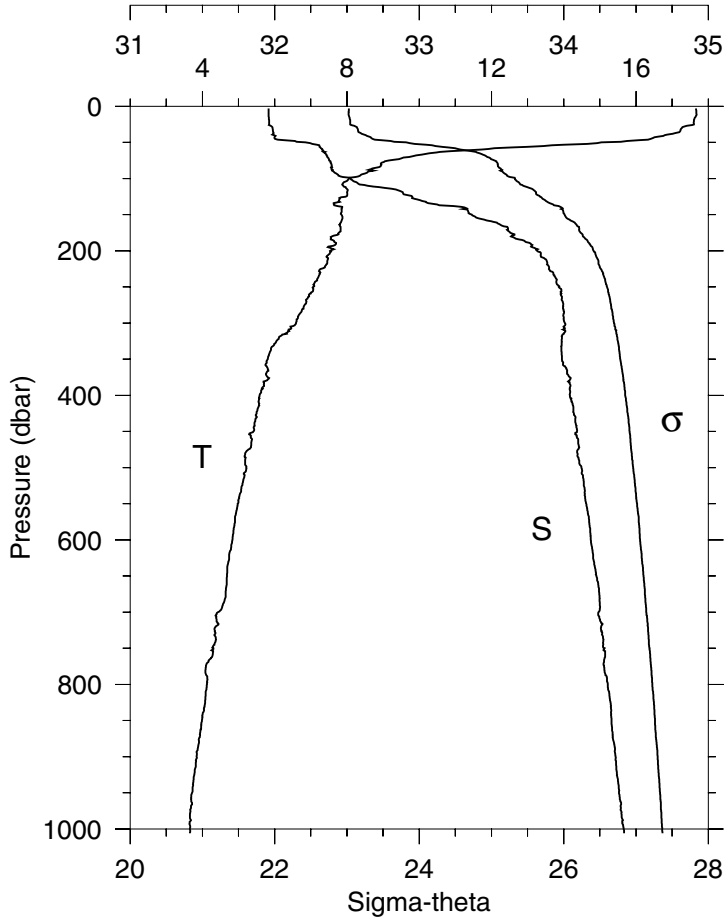


STA: 12 NH-65 LAT: 44 39.1 N LONG: 125 36.0 W
27 SEP 2003 1535 GMT DEPTH 2858

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	15.12	31.885	15.12	23.547	0.087	0.95	85.8
10	15.12	31.872	15.12	23.536	0.434	1.10	84.9
20	15.15	31.923	15.15	23.570	0.868	1.10	85.4
30	14.86	31.991	14.85	23.685	1.297	0.90	86.6
40	11.40	32.269	11.40	24.580	1.673	0.81	88.1
50	9.67	32.325	9.67	24.919	1.992	0.68	88.7
60	9.07	32.365	9.06	25.046	2.290	0.53	89.2
70	8.38	32.601	8.38	25.335	2.568	0.42	89.4
80	7.61	32.837	7.60	25.633	2.818	0.39	89.6
90	7.36	32.992	7.35	25.789	3.044	0.36	89.7
100	7.22	33.155	7.22	25.937	3.259	0.36	89.6
110	7.59	33.408	7.58	26.084	3.457	0.36	89.6
120	7.68	33.458	7.67	26.111	3.650	0.36	89.6
130	7.64	33.536	7.63	26.178	3.838	0.37	89.6
140	7.62	33.639	7.61	26.262	4.019	0.36	89.6
150	7.49	33.709	7.48	26.335	4.192	0.36	89.6
175	7.57	33.878	7.55	26.457	4.604	0.37	89.6
200	7.26	33.931	7.24	26.543	4.992	0.37	89.6
225	7.10	33.976	7.08	26.602	5.364	0.38	89.5
250	6.80	33.992	6.78	26.655	5.723	0.37	89.5
275	6.57	34.007	6.54	26.699	6.071	0.37	89.6
300	6.33	34.011	6.31	26.732	6.411	0.38	89.7
350	6.02	34.038	5.99	26.794	7.069	0.37	89.5
400	5.84	34.073	5.81	26.844	7.703	0.38	89.5
450	5.51	34.084	5.48	26.894	8.317	0.37	89.6
500	5.44	34.128	5.40	26.938	8.911	0.38	89.5
600	5.02	34.190	4.97	27.037	10.038	0.37	89.6
800	4.28	34.298	4.22	27.205	12.053	0.38	89.8
1000	3.73	34.392	3.66	27.337	13.801	0.37	89.8
1006	3.72	34.395	3.64	27.341	13.850	0.38	89.8

W0309B

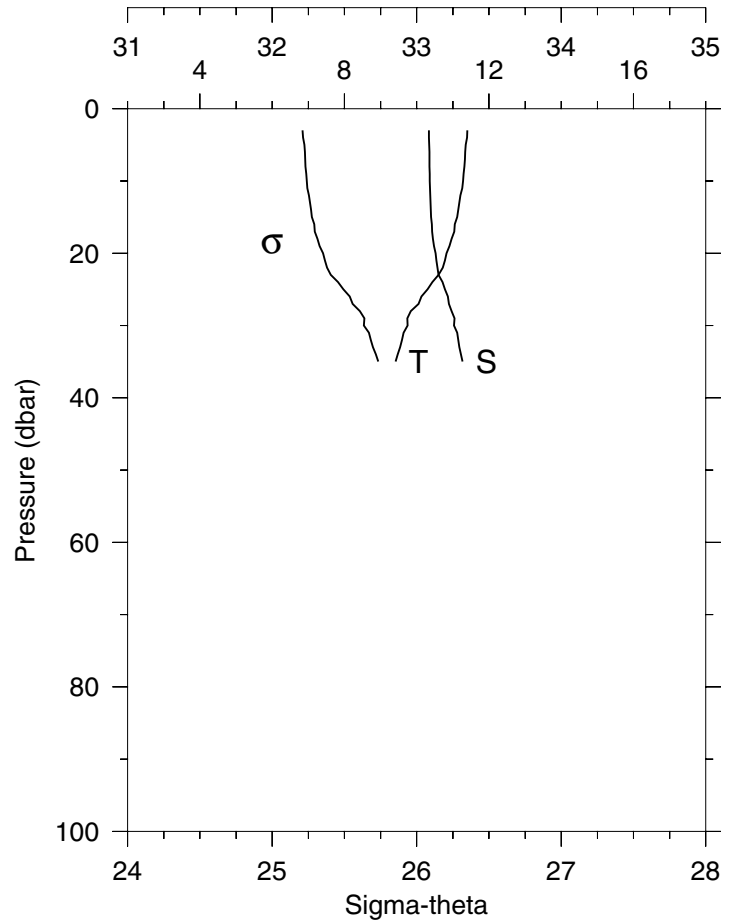
Station 13 NH-85
Temperature, Salinity



STA: 13 NH-85 LAT: 44 39.1 N LONG: 126 3.0 W
27 SEP 2003 1838 GMT DEPTH 2884

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	17.66	31.958	17.66	23.027	0.145	0.53	86.8
10	17.67	31.958	17.67	23.024	0.483	0.56	86.8
20	17.60	31.961	17.60	23.044	0.966	0.64	86.7
30	17.27	31.985	17.26	23.142	1.445	0.66	87.2
40	16.80	31.994	16.80	23.257	1.915	0.78	87.8
50	15.04	32.213	15.03	23.818	2.362	0.76	88.0
60	11.73	32.329	11.72	24.568	2.732	0.86	88.1
70	9.72	32.363	9.72	24.941	3.046	0.66	88.9
80	8.94	32.393	8.93	25.088	3.339	0.47	89.4
90	8.60	32.406	8.59	25.150	3.624	0.47	89.4
100	8.05	32.526	8.04	25.325	3.900	0.42	89.5
110	7.90	32.644	7.89	25.440	4.161	0.39	89.5
120	8.01	32.888	7.99	25.616	4.405	0.38	89.6
130	7.78	33.005	7.76	25.741	4.638	0.37	89.6
140	7.87	33.312	7.86	25.969	4.855	0.36	89.6
150	7.85	33.363	7.83	26.013	5.058	0.36	89.6
175	7.78	33.630	7.76	26.234	5.531	0.37	89.6
200	7.53	33.816	7.51	26.415	5.959	0.37	89.6
225	7.27	33.896	7.25	26.515	6.356	0.37	89.6
250	7.07	33.965	7.04	26.598	6.732	0.37	89.6
275	6.83	33.996	6.80	26.655	7.092	0.37	89.6
300	6.59	34.008	6.56	26.696	7.442	0.38	89.6
350	5.81	33.988	5.78	26.781	8.109	0.37	89.7
400	5.58	34.042	5.55	26.851	8.743	0.37	89.8
450	5.41	34.091	5.38	26.911	9.349	0.38	89.7
500	5.21	34.122	5.17	26.959	9.932	0.37	89.7
600	4.83	34.187	4.78	27.056	11.032	0.38	89.7
800	4.12	34.304	4.06	27.226	12.999	0.38	89.9
1000	3.65	34.415	3.58	27.363	14.696	0.37	89.8
1006	3.65	34.418	3.58	27.365	14.743	0.37	89.8

Station 14 CR-1
Temperature, Salinity

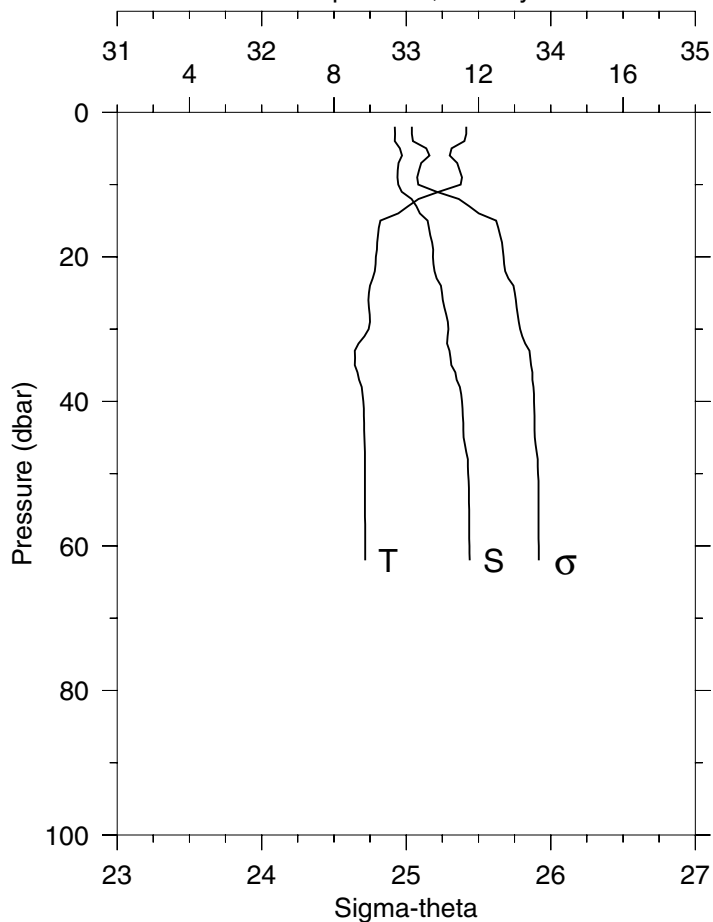


STA: 14 CR-1 LAT: 41 54.0 N LONG: 124 18.0 W
28 SEP 2003 1321 GMT DEPTH 41

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.40	33.084	11.40	25.211	0.082	5.00	70.0
10	11.28	33.090	11.28	25.239	0.274	5.00	69.9
20	10.83	33.131	10.82	25.352	0.542	5.00	67.7
30	9.75	33.258	9.75	25.634	0.790	5.00	75.4
35	9.41	33.317	9.41	25.735	0.905	3.02	75.8

W0309B

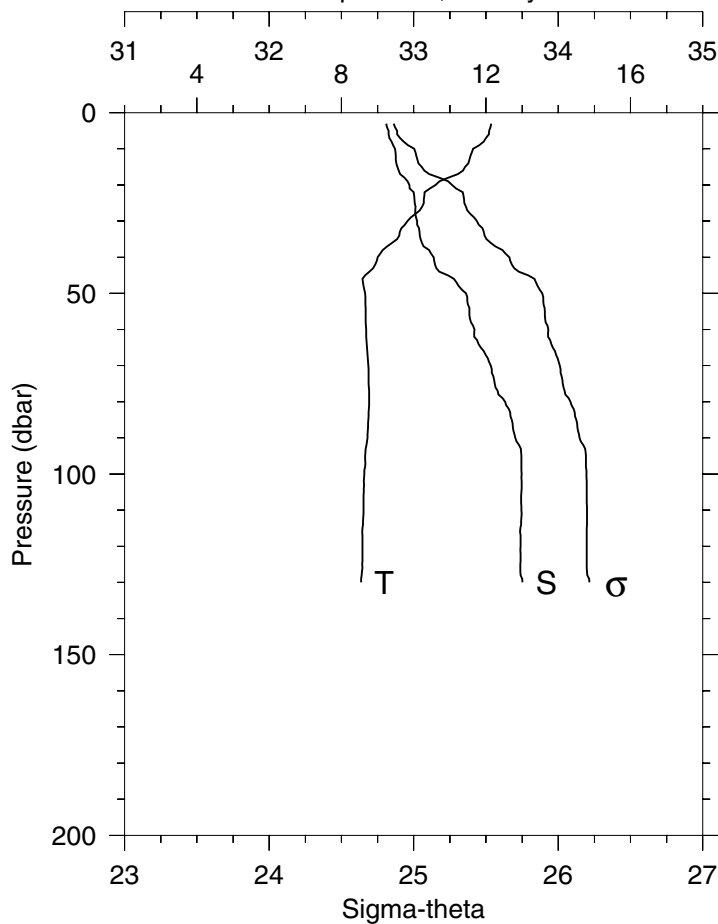
Station 15 CR-2
Temperature, Salinity



STA: 15 CR-2 LAT: 41 54.0 N LONG: 124 24.0 W
28 SEP 2003 1419 GMT DEPTH 68

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.66	32.921	11.66	25.039	0.058	1.42	84.5
10	11.51	32.944	11.51	25.084	0.287	1.28	84.5
20	9.16	33.185	9.16	25.673	0.534	1.07	87.8
30	8.96	33.291	8.95	25.788	0.759	1.35	84.9
40	8.82	33.386	8.81	25.884	0.973	0.89	83.8
50	8.86	33.429	8.85	25.912	1.184	1.26	79.6
60	8.86	33.437	8.86	25.917	1.392	1.46	77.2
62	8.87	33.439	8.86	25.918	1.434	1.71	76.0

Station 16 CR-3
Temperature, Salinity



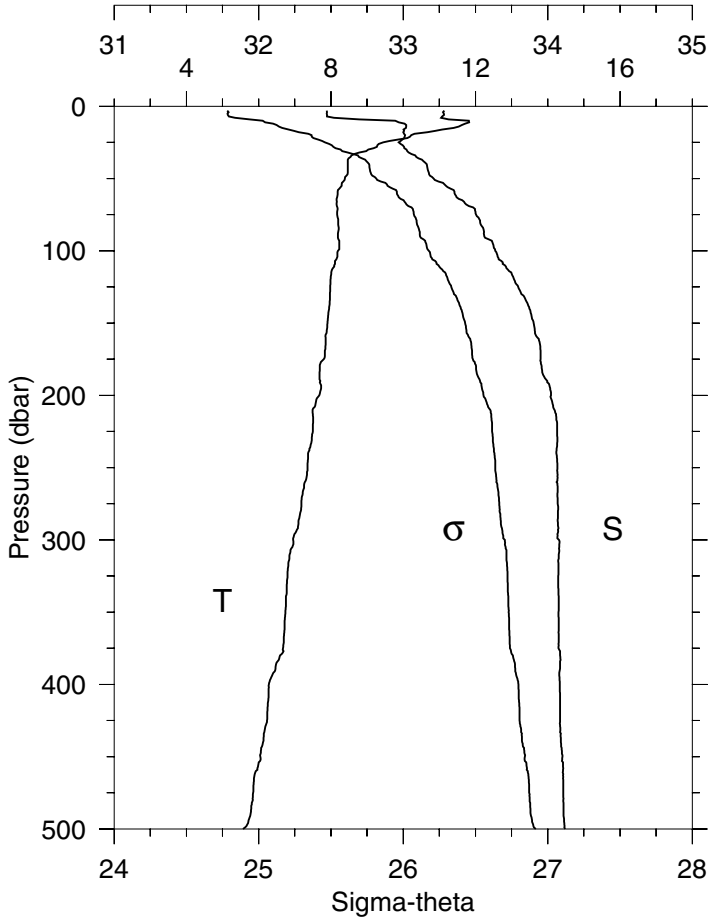
STA: 16 CR-3 LAT: 41 54.0 N LONG: 124 30.0 W
28 SEP 2003 1549 GMT DEPTH 136

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	12.15	32.810	12.15	24.862	0.092	2.10	83.6
10	11.65	32.871	11.64	25.003	0.305	1.63	84.1
20	10.60	32.971	10.60	25.266	0.592	1.61	85.1
30	9.83	33.023	9.83	25.437	0.853	1.12	86.6
40	9.00	33.139	9.00	25.662	1.098	0.65	88.7
50	8.65	33.362	8.65	25.890	1.320	0.48	88.8
60	8.69	33.420	8.68	25.932	1.529	0.50	88.7
70	8.74	33.533	8.73	26.011	1.734	0.50	88.5
80	8.77	33.632	8.76	26.085	1.931	0.51	88.3
90	8.72	33.703	8.71	26.148	2.121	0.49	88.1
100	8.63	33.747	8.62	26.196	2.305	0.44	84.8
110	8.61	33.746	8.60	26.199	2.488	0.44	82.4
120	8.59	33.739	8.57	26.198	2.671	0.44	80.7
130	8.54	33.753	8.53	26.216	2.854	0.43	77.9

W0309B

Station 17 CR-4
Temperature, Salinity

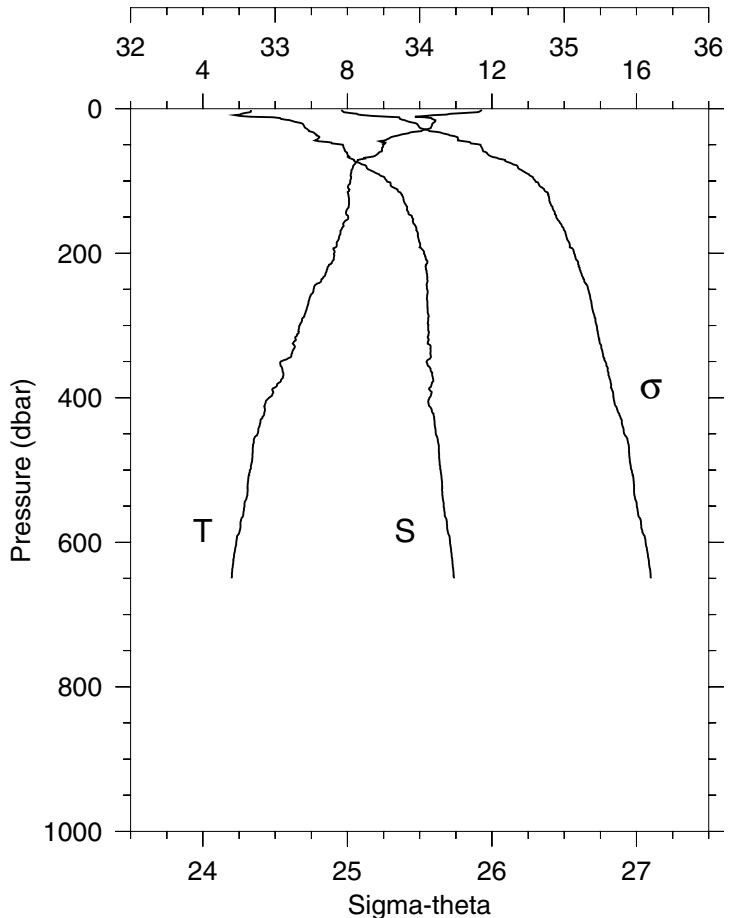
STA: 17 CR-4 LAT: 41 54.0 N LONG: 124 36.0 W
28 SEP 2003 1803 GMT DEPTH 503



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	11.14	32.471	11.14	24.783	0.095	1.02	86.6
10	11.82	32.944	11.81	25.028	0.312	2.55	83.8
20	10.22	33.013	10.22	25.365	0.590	3.37	85.4
30	9.03	33.023	9.03	25.566	0.842	1.07	88.1
40	8.46	33.163	8.46	25.764	1.072	0.74	89.2
50	8.39	33.211	8.38	25.813	1.294	0.70	89.2
60	8.19	33.355	8.18	25.955	1.504	0.64	89.3
70	8.18	33.483	8.17	26.057	1.706	0.56	89.3
80	8.20	33.532	8.19	26.093	1.899	0.46	89.3
90	8.19	33.561	8.18	26.117	2.090	0.40	89.3
100	8.19	33.637	8.18	26.177	2.277	0.38	89.3
110	8.09	33.703	8.08	26.244	2.459	0.39	89.3
120	7.99	33.767	7.98	26.309	2.634	0.37	89.4
130	7.97	33.817	7.96	26.351	2.805	0.37	89.5
140	7.95	33.873	7.93	26.399	2.971	0.38	89.5
150	7.90	33.903	7.89	26.429	3.134	0.37	89.5
175	7.80	33.951	7.79	26.482	3.531	0.38	89.4
200	7.68	34.022	7.66	26.556	3.914	0.39	86.2
225	7.50	34.064	7.47	26.615	4.281	0.38	87.3
250	7.35	34.066	7.33	26.637	4.641	0.38	86.9
275	7.18	34.069	7.16	26.664	4.997	0.38	87.1
300	6.95	34.078	6.92	26.703	5.347	0.38	88.0
350	6.74	34.074	6.71	26.729	6.029	0.38	87.9
400	6.28	34.083	6.25	26.797	6.698	0.38	88.4
450	6.05	34.101	6.01	26.842	7.341	0.38	89.3
500	5.56	34.121	5.52	26.917	7.958	0.38	81.4

Station 18 CR-5
Temperature, Salinity

STA: 18 CR-5 LAT: 41 54.1 N LONG: 124 42.0 W
28 SEP 2003 2034 GMT DEPTH 661

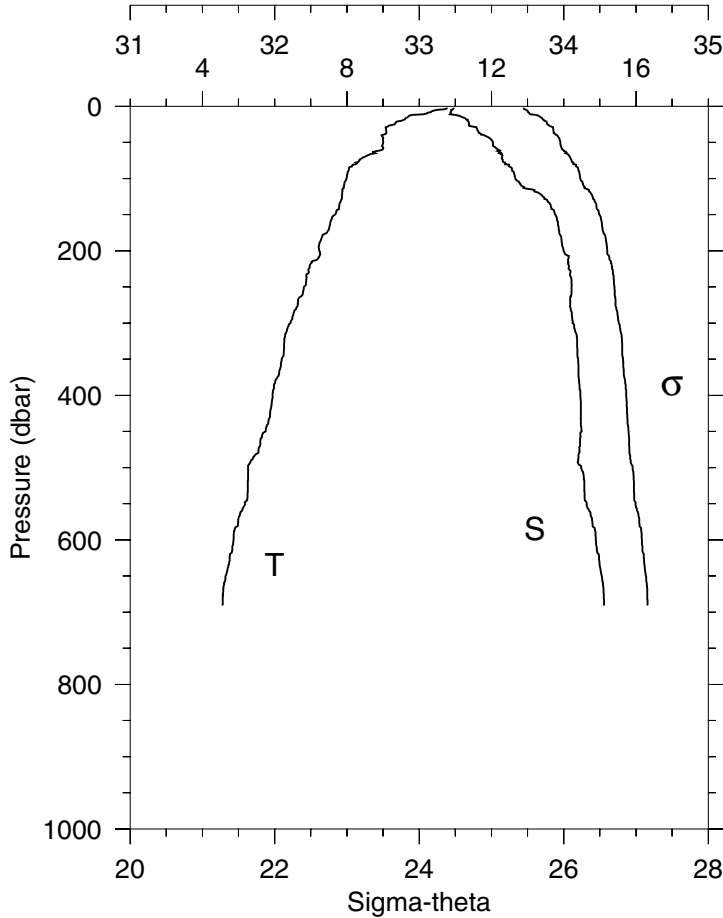


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.73	32.831	11.73	24.957	0.060	2.18	82.3
10	10.16	32.755	10.16	25.173	0.293	2.00	85.0
20	10.36	33.181	10.36	25.471	0.553	3.23	81.1
30	10.07	33.232	10.07	25.561	0.800	3.53	80.6
40	9.19	33.305	9.18	25.763	1.032	1.37	86.2
50	9.00	33.468	8.99	25.921	1.250	0.79	87.3
60	8.90	33.491	8.89	25.954	1.457	0.71	87.5
70	8.36	33.538	8.35	26.074	1.658	0.45	88.4
80	8.15	33.631	8.15	26.178	1.847	0.37	89.3
90	8.10	33.711	8.09	26.248	2.029	0.37	89.4
100	8.08	33.772	8.07	26.300	2.204	0.38	89.4
110	8.02	33.829	8.01	26.353	2.375	0.38	89.4
120	8.03	33.878	8.02	26.390	2.541	0.38	89.4
130	8.04	33.894	8.03	26.401	2.705	0.38	89.3
140	7.99	33.914	7.97	26.425	2.868	0.38	89.2
150	8.02	33.946	8.01	26.445	3.029	0.38	89.2
175	7.79	33.986	7.77	26.512	3.420	0.38	89.2
200	7.63	34.029	7.61	26.569	3.800	0.38	89.0
225	7.42	34.048	7.40	26.613	4.168	0.38	89.0
250	7.07	34.052	7.04	26.666	4.525	0.38	89.3
275	6.89	34.055	6.86	26.693	4.873	0.38	89.4
300	6.67	34.058	6.65	26.724	5.215	0.38	89.2
350	6.15	34.047	6.12	26.784	5.882	0.38	89.7
400	5.83	34.066	5.79	26.841	6.519	0.37	89.7
450	5.51	34.112	5.48	26.915	7.127	0.38	89.8
500	5.30	34.145	5.26	26.967	7.705	0.37	89.8
600	4.93	34.210	4.88	27.063	8.811	0.38	89.8
650	4.80	34.238	4.75	27.100	9.331	0.38	86.1

W0309B

Station 19 CR-6
Temperature, Salinity

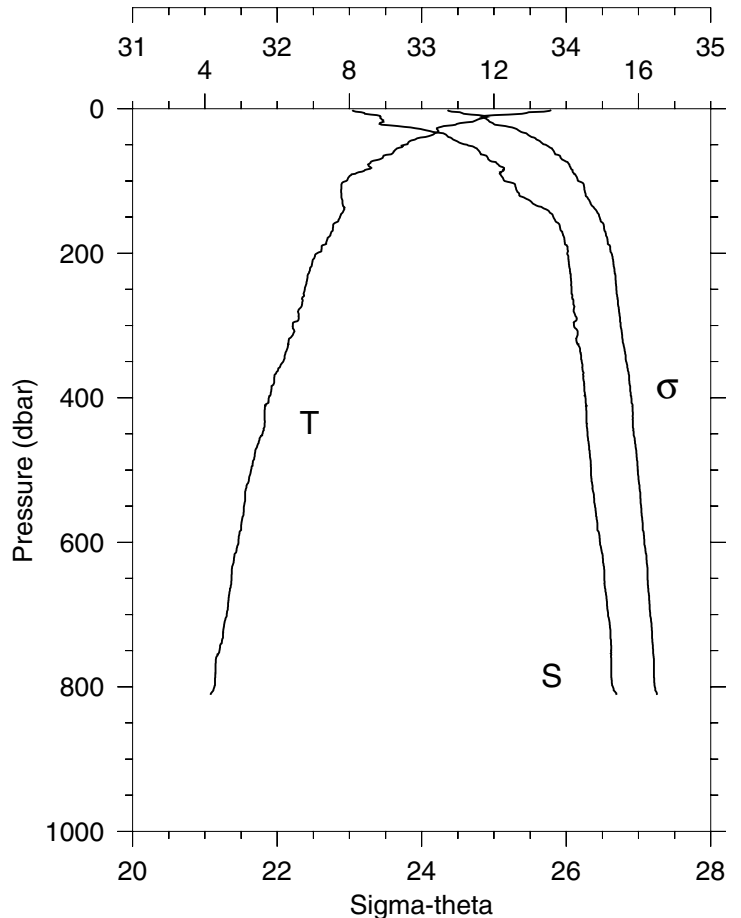
STA: 19 CR-6 LAT: 41 54.0 N LONG: 124 48.0 W
28 SEP 2003 2203 GMT DEPTH 699



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	10.76	33.239	10.75	25.448	0.050	5.00	71.2
10	10.21	33.218	10.20	25.526	0.249	5.00	75.4
20	9.52	33.334	9.52	25.732	0.482	2.56	83.0
30	9.07	33.396	9.07	25.852	0.702	0.83	87.4
40	8.96	33.448	8.96	25.910	0.915	0.76	87.6
50	9.01	33.510	9.00	25.952	1.122	0.70	87.3
60	8.99	33.542	8.98	25.980	1.326	0.72	87.3
70	8.48	33.574	8.47	26.084	1.523	0.52	88.4
80	8.25	33.594	8.24	26.134	1.714	0.46	88.9
90	8.03	33.649	8.02	26.210	1.897	0.38	89.3
100	7.99	33.666	7.97	26.230	2.078	0.39	89.3
110	7.92	33.706	7.91	26.272	2.255	0.37	89.4
120	7.87	33.826	7.86	26.373	2.426	0.39	89.4
130	7.84	33.886	7.82	26.425	2.590	0.38	89.4
140	7.78	33.913	7.77	26.454	2.750	0.38	89.4
150	7.66	33.942	7.65	26.494	2.907	0.38	89.5
175	7.44	33.969	7.42	26.549	3.288	0.38	89.5
200	7.24	33.999	7.22	26.601	3.657	0.37	89.6
225	6.94	34.034	6.91	26.670	4.013	0.38	89.6
250	6.81	34.053	6.79	26.702	4.358	0.37	89.7
275	6.64	34.044	6.61	26.718	4.699	0.40	89.7
300	6.43	34.062	6.41	26.760	5.033	0.37	89.7
350	6.19	34.099	6.16	26.820	5.675	0.38	89.8
400	5.94	34.115	5.91	26.865	6.301	0.38	89.8
450	5.75	34.123	5.71	26.896	6.911	0.38	89.8
500	5.26	34.121	5.22	26.953	7.506	0.38	89.8
600	4.86	34.222	4.81	27.080	8.612	0.38	89.7
691	4.55	34.280	4.50	27.160	9.520	0.38	88.1

Station 20 CR-7
Temperature, Salinity

STA: 20 CR-7 LAT: 41 54.1 N LONG: 125 0.1 W
29 SEP 2003 0029 GMT DEPTH 833

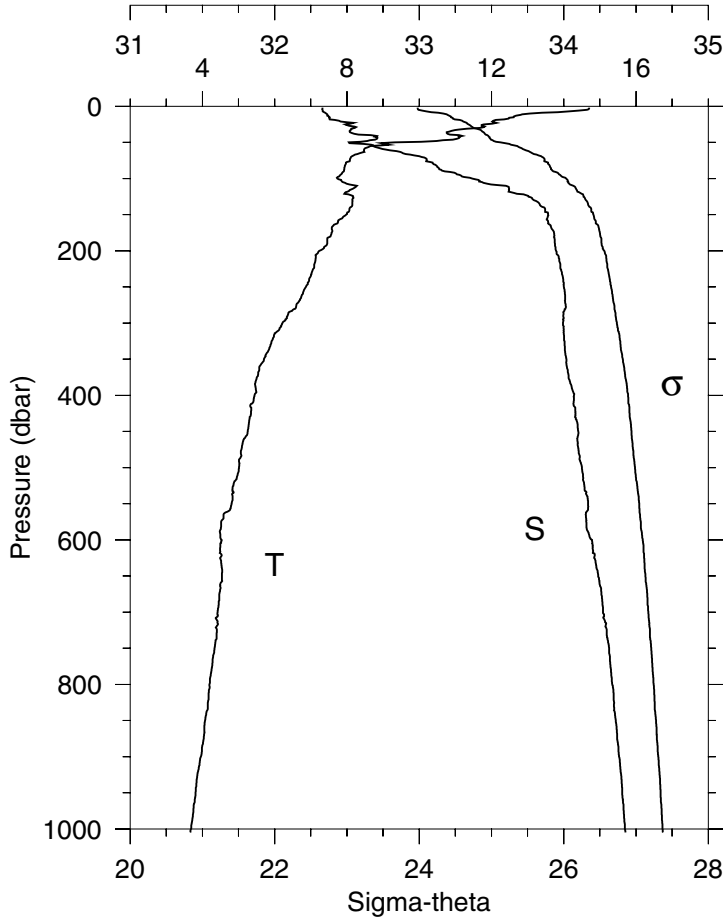


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.58	32.520	13.58	24.357	0.071	0.85	87.0
10	11.71	32.712	11.71	24.867	0.340	1.12	86.3
20	11.06	32.711	11.06	24.984	0.644	1.41	86.6
30	10.45	33.031	10.45	25.339	0.922	2.41	84.3
40	9.97	33.199	9.96	25.552	1.175	2.96	81.4
50	9.53	33.314	9.53	25.714	1.411	1.33	86.0
60	9.22	33.402	9.22	25.833	1.632	0.78	87.3
70	8.83	33.462	8.82	25.942	1.843	0.55	87.8
80	8.55	33.547	8.54	26.052	2.043	2.46	88.3
90	8.16	33.540	8.15	26.105	2.237	0.43	88.6
100	7.91	33.573	7.90	26.167	2.424	0.41	88.9
110	7.78	33.653	7.76	26.250	2.604	0.38	89.3
120	7.78	33.676	7.76	26.269	2.781	0.39	89.3
130	7.81	33.764	7.79	26.334	2.954	0.38	89.3
140	7.85	33.867	7.84	26.408	3.121	0.39	89.2
150	7.74	33.912	7.72	26.460	3.281	0.40	89.2
175	7.47	33.978	7.46	26.550	3.666	0.38	89.4
200	7.11	34.008	7.09	26.626	4.033	0.38	89.5
225	6.89	34.026	6.87	26.669	4.386	0.38	89.6
250	6.76	34.036	6.74	26.695	4.733	0.38	89.6
275	6.66	34.055	6.63	26.725	5.074	0.38	89.7
300	6.43	34.054	6.41	26.754	5.408	0.37	89.7
350	6.17	34.107	6.14	26.829	6.054	0.38	89.8
400	5.77	34.133	5.74	26.901	6.665	0.38	89.8
450	5.59	34.148	5.55	26.935	7.255	0.38	89.8
500	5.28	34.171	5.24	26.991	7.825	0.38	89.8
600	4.93	34.234	4.88	27.081	8.903	0.38	89.8
800	4.26	34.323	4.20	27.226	10.839	0.37	89.8
811	4.16	34.348	4.10	27.257	10.938	0.38	89.2

W0309B

Station 21 CR-8
Temperature, Salinity

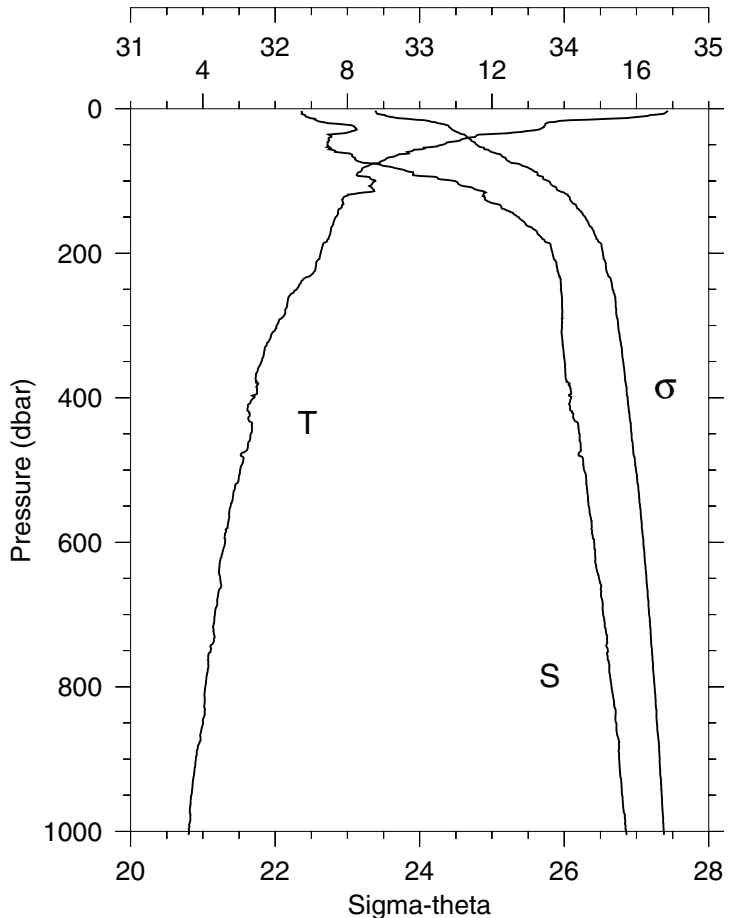
STA: 21 CR-8 LAT: 41 54.0 N LONG: 125 12.1 W
29 SEP 2003 0216 GMT DEPTH 2735



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	14.70	32.330	14.70	23.979	0.078	0.81	87.4
10	13.06	32.357	13.06	24.334	0.384	0.87	87.9
20	12.05	32.444	12.05	24.596	0.732	0.75	88.1
30	11.67	32.553	11.67	24.751	1.057	0.76	88.7
40	11.10	32.665	11.10	24.940	1.366	0.86	88.1
50	9.33	32.514	9.32	25.122	1.661	0.62	89.0
60	8.48	32.767	8.47	25.451	1.926	0.41	89.4
70	8.11	33.017	8.11	25.701	2.167	0.37	89.6
80	7.97	33.100	7.96	25.788	2.392	0.36	89.6
90	7.91	33.178	7.90	25.857	2.611	0.37	89.7
100	7.74	33.367	7.73	26.032	2.817	0.36	89.6
110	8.27	33.599	8.26	26.135	3.012	0.38	89.4
120	7.94	33.657	7.93	26.230	3.197	0.38	89.4
130	8.15	33.793	8.14	26.306	3.373	0.38	89.1
140	8.09	33.863	8.08	26.370	3.543	0.38	89.0
150	7.98	33.892	7.97	26.409	3.708	0.38	89.1
175	7.58	33.932	7.56	26.500	4.106	0.38	89.5
200	7.24	33.947	7.22	26.560	4.489	0.37	89.5
225	7.06	33.979	7.04	26.610	4.857	0.38	89.5
250	6.86	34.001	6.84	26.654	5.215	0.37	89.5
275	6.60	34.014	6.58	26.699	5.564	0.38	89.6
300	6.21	33.994	6.19	26.734	5.904	0.38	89.7
350	5.70	34.018	5.67	26.817	6.556	0.37	89.8
400	5.44	34.071	5.41	26.891	7.172	0.37	89.7
450	5.25	34.100	5.22	26.937	7.764	0.38	89.8
500	5.01	34.125	4.97	26.984	8.335	0.37	89.9
600	4.53	34.195	4.49	27.094	9.406	0.37	89.9
800	4.20	34.336	4.13	27.244	11.323	0.37	89.8
1000	3.68	34.423	3.61	27.367	13.005	0.37	89.8
1005	3.66	34.427	3.59	27.372	13.044	0.37	89.8

Station 22 CR-9a
Temperature, Salinity

STA: 22 CR-9a LAT: 41 54.0 N LONG: 125 24.0 W
29 SEP 2003 0402 GMT DEPTH 3095

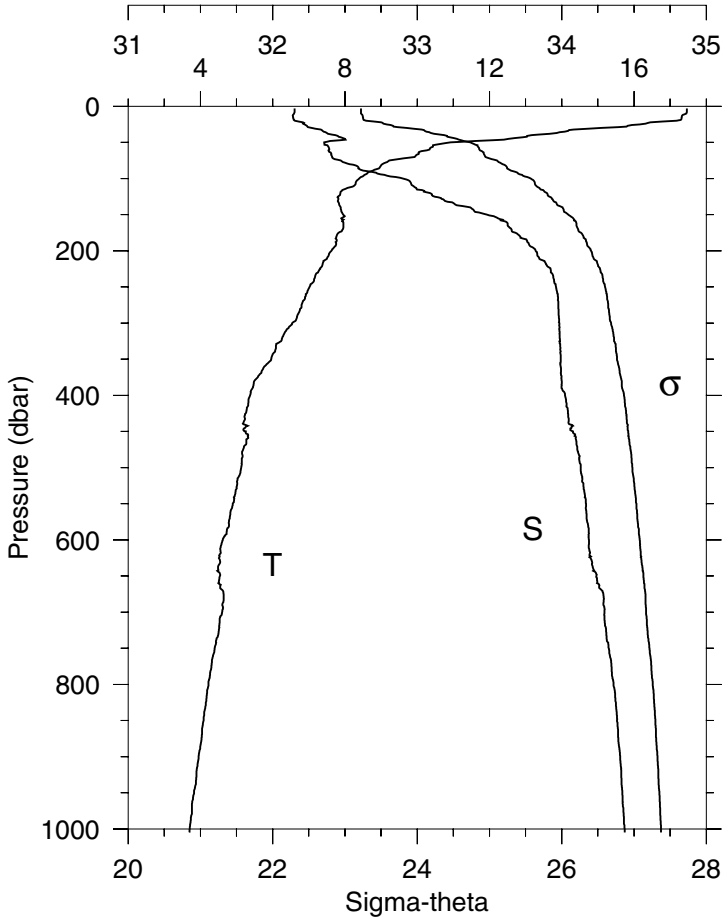


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	16.87	32.182	16.87	23.385	0.135	0.74	87.4
10	16.31	32.209	16.31	23.532	0.445	0.83	87.2
20	13.51	32.361	13.51	24.249	0.844	1.01	87.3
30	13.18	32.554	13.17	24.466	1.197	1.16	87.6
40	11.38	32.374	11.37	24.666	1.533	1.26	88.4
50	10.64	32.361	10.63	24.786	1.854	0.80	88.5
60	9.65	32.415	9.65	24.992	2.160	0.62	88.9
70	9.06	32.554	9.05	25.196	2.445	0.52	89.3
80	8.51	32.787	8.50	25.462	2.711	0.46	89.4
90	8.27	32.955	8.26	25.630	2.954	0.41	89.4
100	8.77	33.244	8.76	25.781	3.185	0.48	89.1
110	8.69	33.370	8.68	25.892	3.403	0.48	89.1
120	8.02	33.444	8.01	26.051	3.608	0.39	89.5
130	7.87	33.491	7.86	26.110	3.802	0.36	89.6
140	7.76	33.594	7.74	26.207	3.988	0.36	89.6
150	7.68	33.684	7.66	26.290	4.166	0.36	89.5
175	7.51	33.827	7.49	26.426	4.587	0.38	89.6
200	7.26	33.919	7.24	26.534	4.977	0.37	89.6
225	7.09	33.954	7.07	26.585	5.351	0.37	89.6
250	6.60	33.978	6.57	26.671	5.708	0.38	89.7
275	6.32	33.986	6.30	26.714	6.050	0.38	89.7
300	6.05	33.984	6.02	26.747	6.386	0.37	89.7
350	5.62	34.004	5.59	26.816	7.035	0.37	89.8
400	5.41	34.048	5.38	26.877	7.655	0.37	89.8
450	5.32	34.106	5.29	26.933	8.251	0.37	89.8
500	5.03	34.137	4.99	26.992	8.822	0.37	89.9
600	4.61	34.207	4.57	27.096	9.885	0.37	89.9
800	4.07	34.328	4.01	27.251	11.791	0.37	89.9
1000	3.62	34.430	3.54	27.379	13.448	0.37	89.9
1005	3.61	34.430	3.54	27.379	13.487	0.37	89.9

W0309B

Station 23 CR-10
Temperature, Salinity

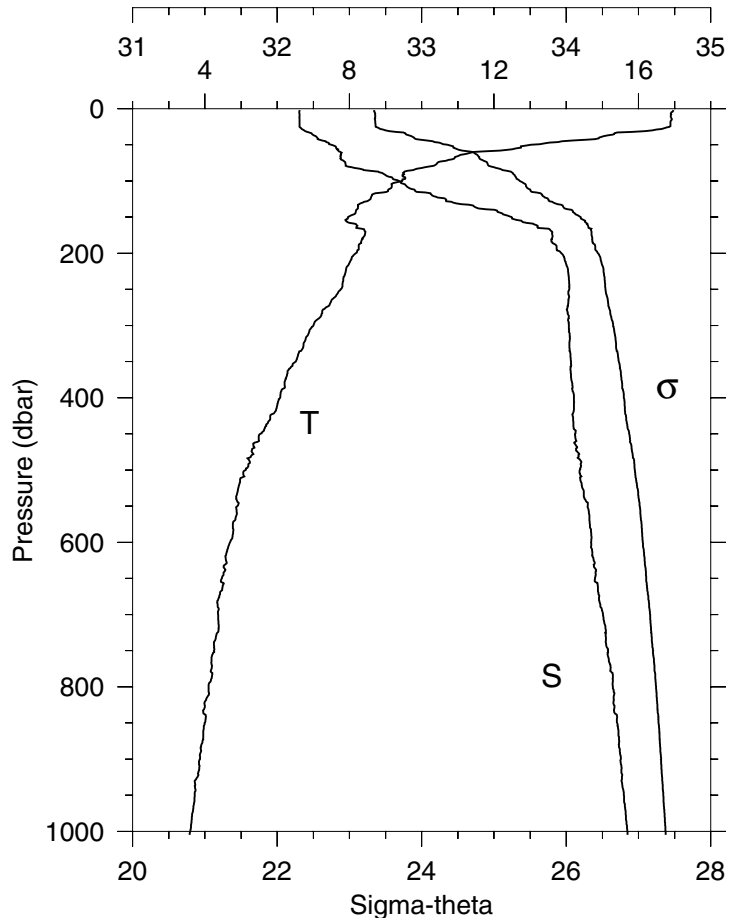
STA: 23 CR-10 LAT: 41 54.0 N LONG: 125 40.0 W
29 SEP 2003 0629 GMT DEPTH 2929



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
3	17.46	32.151	17.46	23.221	0.139	0.62	87.8
10	17.45	32.147	17.44	23.222	0.465	0.70	87.8
20	17.17	32.154	17.17	23.292	0.927	0.79	87.7
30	15.09	32.270	15.08	23.851	1.358	1.16	87.3
40	13.17	32.434	13.16	24.374	1.736	0.94	87.8
50	10.92	32.357	10.92	24.733	2.075	0.77	88.4
60	10.34	32.392	10.33	24.860	2.388	0.59	89.2
70	9.93	32.412	9.92	24.946	2.693	0.50	89.3
80	9.04	32.532	9.03	25.182	2.981	0.42	89.5
90	8.71	32.665	8.70	25.336	3.254	0.39	89.5
100	8.39	32.903	8.38	25.571	3.508	0.38	89.6
110	8.25	32.970	8.24	25.645	3.746	0.37	89.6
120	7.87	33.087	7.86	25.792	3.974	0.35	89.7
130	7.81	33.186	7.80	25.879	4.192	0.36	89.6
140	7.88	33.367	7.86	26.012	4.400	0.36	89.6
150	7.95	33.481	7.94	26.090	4.598	0.36	89.6
175	7.82	33.680	7.81	26.266	5.059	0.37	89.6
200	7.62	33.820	7.61	26.405	5.486	0.37	89.6
225	7.31	33.922	7.29	26.529	5.884	0.37	89.6
250	7.02	33.960	7.00	26.600	6.259	0.38	89.7
275	6.80	33.977	6.78	26.644	6.620	0.37	89.7
300	6.54	33.984	6.51	26.684	6.974	0.37	89.7
350	5.96	33.993	5.93	26.766	7.649	0.37	89.7
400	5.38	34.023	5.34	26.861	8.285	0.37	89.8
450	5.26	34.078	5.22	26.919	8.886	0.37	89.8
500	5.13	34.132	5.09	26.977	9.463	0.37	89.9
600	4.62	34.188	4.57	27.079	10.545	0.37	89.9
800	4.22	34.358	4.16	27.259	12.466	0.38	89.8
1000	3.70	34.435	3.63	27.374	14.122	0.37	89.7
1005	3.69	34.435	3.62	27.375	14.161	0.37	89.7

Station 24 CR-11
Temperature, Salinity

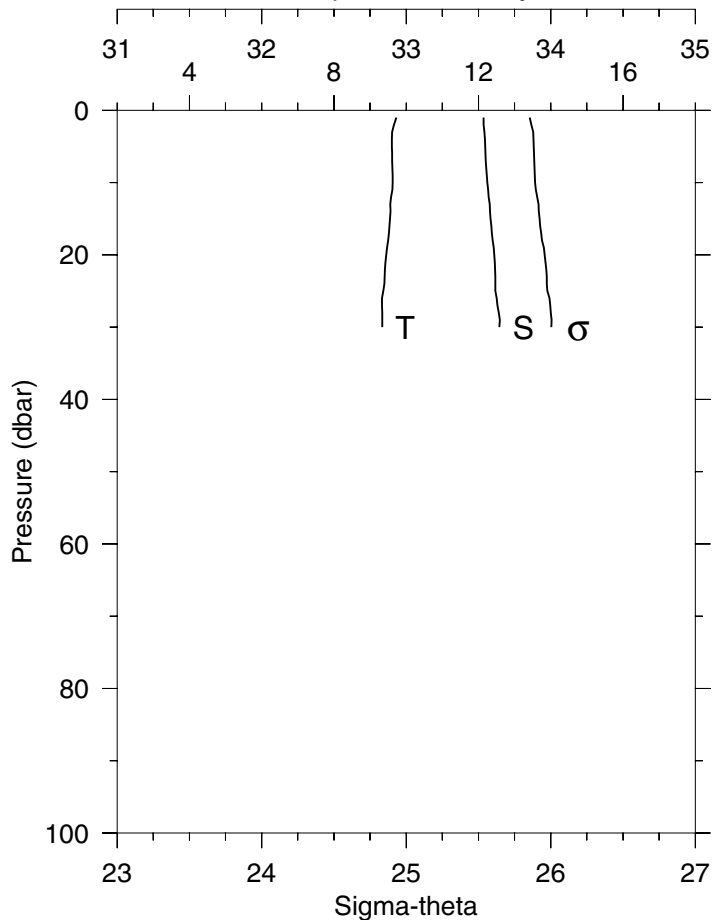
STA: 24 CR-11 LAT: 41 54.0 N LONG: 126 0.1 W
29 SEP 2003 0913 GMT DEPTH 3323



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.96	32.155	16.96	23.341	0.091	0.76	87.3
10	16.89	32.154	16.89	23.357	0.452	0.83	87.4
20	16.89	32.154	16.88	23.359	0.904	0.82	87.6
30	16.39	32.186	16.38	23.498	1.353	0.70	88.1
40	14.92	32.277	14.91	23.893	1.768	0.51	88.8
50	13.03	32.374	13.02	24.356	2.148	0.42	89.3
60	11.45	32.437	11.45	24.701	2.493	0.41	89.5
70	10.83	32.441	10.82	24.815	2.811	0.41	89.5
80	10.19	32.489	10.18	24.961	3.117	0.39	89.4
90	9.51	32.736	9.50	25.267	3.400	0.38	89.5
100	9.46	32.843	9.45	25.358	3.668	0.38	89.5
110	9.15	32.915	9.14	25.464	3.924	0.37	89.5
120	8.62	33.072	8.61	25.669	4.167	0.37	89.5
130	8.37	33.218	8.35	25.822	4.394	0.36	89.6
140	8.19	33.503	8.18	26.072	4.601	0.37	89.5
150	7.96	33.621	7.95	26.199	4.792	0.37	89.5
175	8.43	33.904	8.41	26.352	5.228	0.38	89.2
200	8.18	33.967	8.16	26.439	5.644	0.38	89.2
225	7.90	34.013	7.88	26.517	6.037	0.38	89.3
250	7.76	34.021	7.73	26.544	6.421	0.38	89.4
275	7.35	34.009	7.32	26.593	6.797	0.38	89.5
300	7.00	34.018	6.97	26.649	7.160	0.37	89.6
350	6.52	34.033	6.49	26.726	7.856	0.38	89.7
400	6.08	34.053	6.05	26.798	8.517	0.37	89.7
450	5.54	34.060	5.50	26.872	9.151	0.38	89.8
500	5.13	34.094	5.09	26.947	9.745	0.37	89.8
600	4.69	34.172	4.65	27.059	10.844	0.37	89.9
800	4.10	34.322	4.04	27.243	12.789	0.38	89.9
1000	3.59	34.423	3.52	27.375	14.459	0.37	89.9
1005	3.58	34.424	3.50	27.378	14.498	0.37	89.9

W0309B

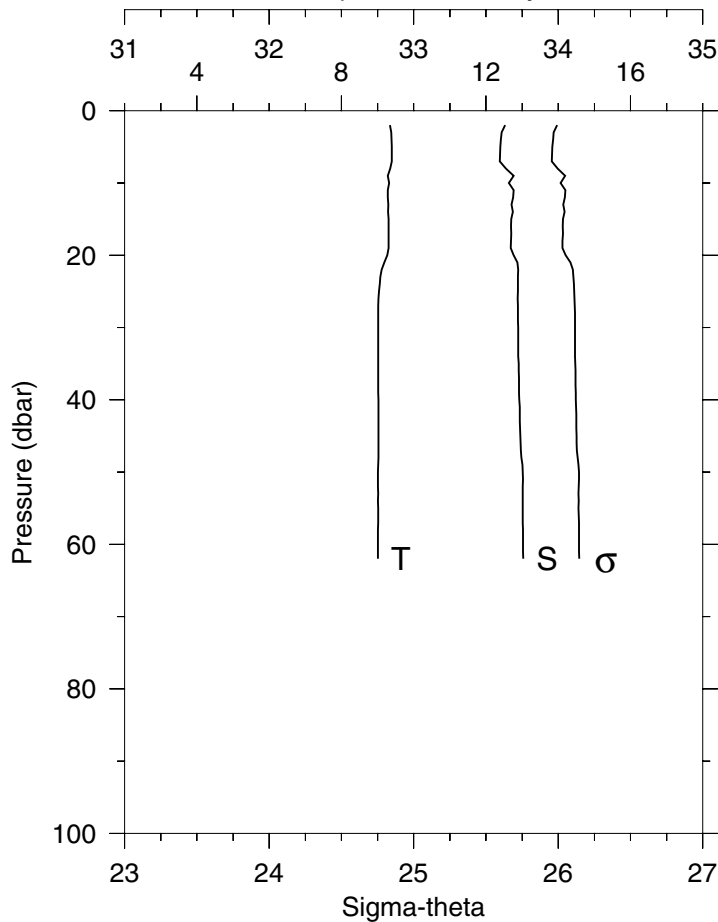
Station 25 FM-1
Temperature, Salinity



STA: 25 FM-1 LAT: 43 13.1 N LONG: 124 26.0 W
29 SEP 2003 1857 GMT DEPTH 35

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	9.73	33.536	9.73	25.855	0.021	4.85	71.1
10	9.62	33.561	9.62	25.892	0.211	5.00	74.3
20	9.45	33.609	9.44	25.958	0.419	5.00	74.3
30	9.34	33.644	9.33	26.004	0.620	4.19	75.4

Station 26 FM-3
Temperature, Salinity



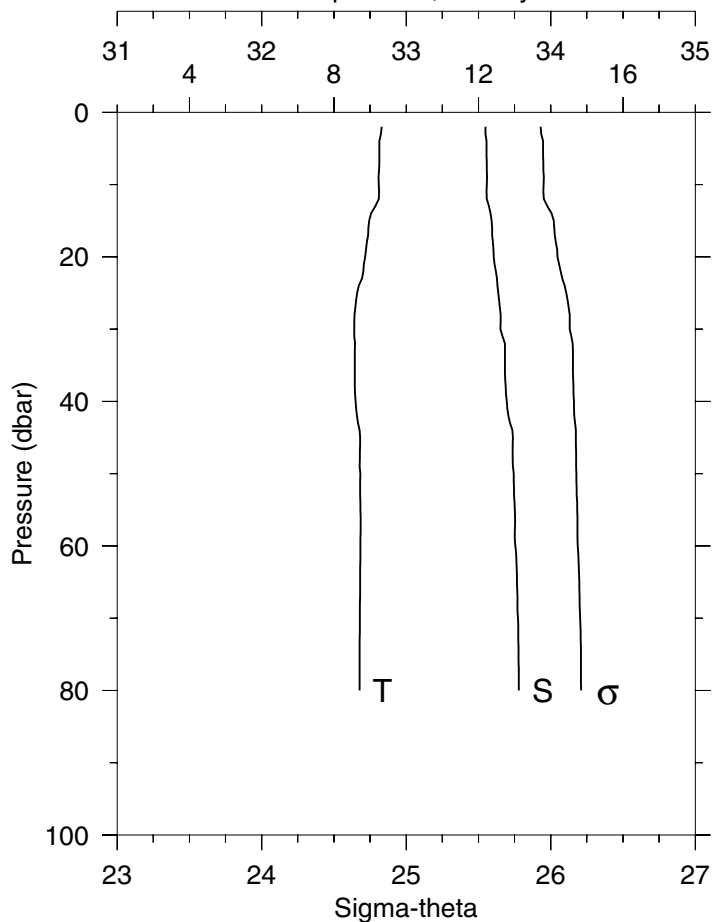
STA: 26 FM-3 LAT: 43 13.1 N LONG: 124 30.0 W
29 SEP 2003 1932 GMT DEPTH 67

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.35	33.633	9.35	25.993	0.040	4.90	77.6
10	9.32	33.658	9.32	26.017	0.201	4.93	77.8
20	9.27	33.692	9.27	26.052	0.398	3.83	77.8
30	9.02	33.723	9.02	26.116	0.588	2.25	80.6
40	9.02	33.731	9.02	26.122	0.777	2.26	80.2
50	9.01	33.755	9.01	26.143	0.965	2.08	79.4
60	9.01	33.756	9.01	26.144	1.153	2.36	79.4
62	9.01	33.758	9.00	26.145	1.190	2.78	79.1

W0309B

Station 27 FM-4
Temperature, Salinity

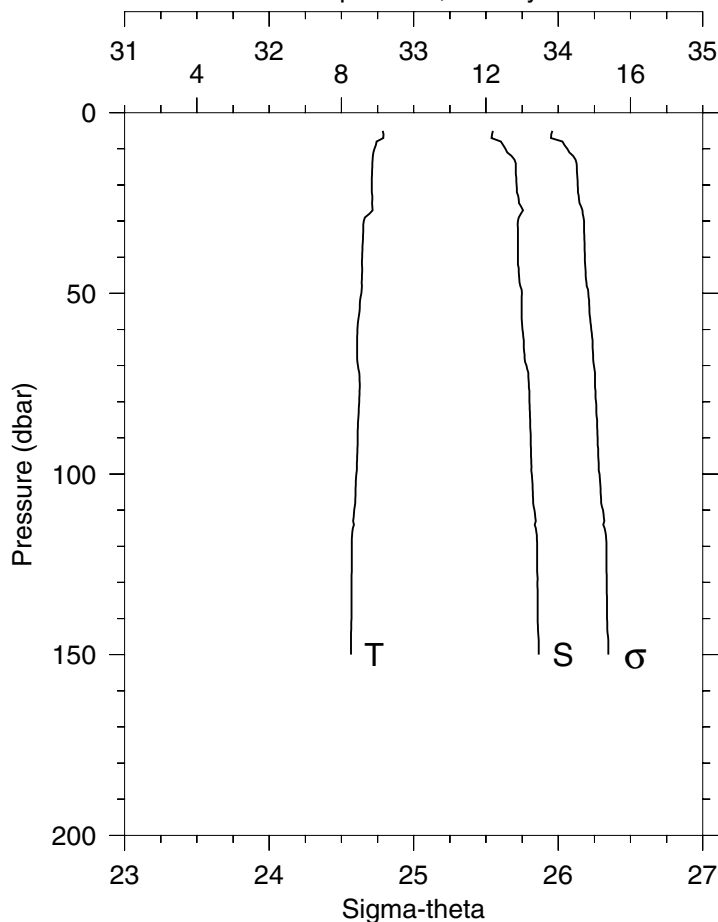
STA: 27 FM-4 LAT: 43 13.1 N LONG: 124 35.0 W
29 SEP 2003 2032 GMT DEPTH 88



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.32	33.548	9.32	25.930	0.041	2.32	80.1
10	9.24	33.558	9.24	25.951	0.205	2.50	80.7
20	8.87	33.605	8.86	26.047	0.405	1.69	83.6
30	8.56	33.652	8.56	26.132	0.596	0.77	85.0
40	8.60	33.695	8.59	26.160	0.781	0.98	85.7
50	8.73	33.743	8.73	26.177	0.966	0.84	85.9
60	8.73	33.754	8.73	26.186	1.149	0.84	85.5
70	8.72	33.773	8.71	26.204	1.331	0.82	84.3
80	8.71	33.779	8.70	26.210	1.513	0.86	83.9

Station 28 FM-5
Temperature, Salinity

STA: 28 FM-5 LAT: 43 13.1 N LONG: 124 40.0 W
29 SEP 2003 2132 GMT DEPTH 159

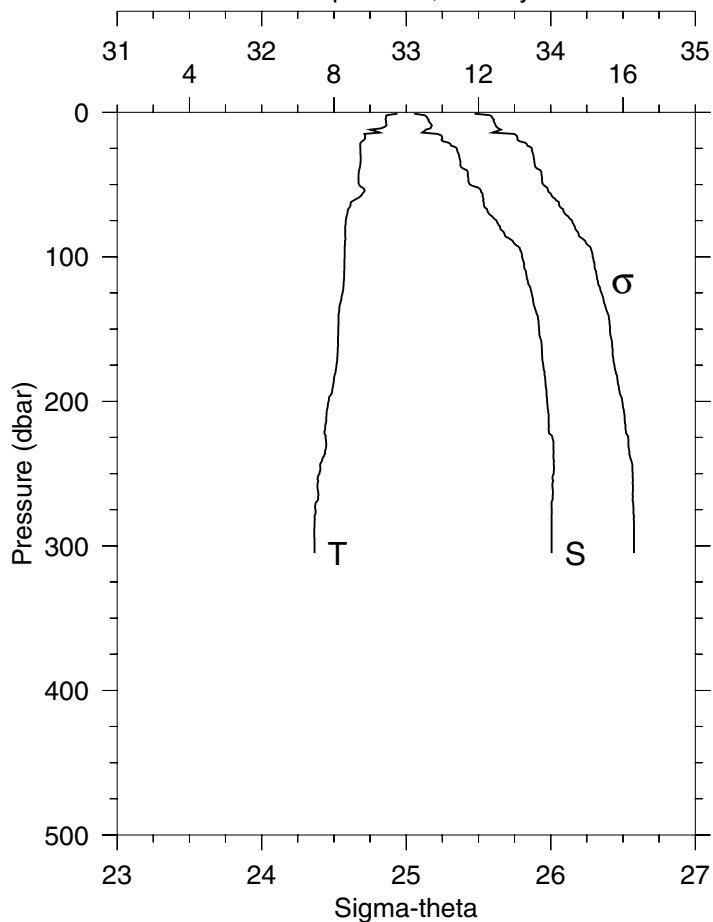


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
5	9.14	33.548	9.14	25.959	0.102	1.28	83.0
10	8.91	33.634	8.91	26.063	0.202	1.35	84.1
20	8.84	33.712	8.84	26.135	0.391	0.82	83.5
30	8.62	33.722	8.62	26.178	0.576	0.65	83.6
40	8.57	33.722	8.57	26.185	0.759	0.72	83.3
50	8.55	33.749	8.55	26.209	0.942	0.55	82.4
60	8.44	33.753	8.44	26.229	1.122	0.50	83.3
70	8.46	33.780	8.45	26.248	1.300	0.52	81.3
80	8.49	33.801	8.48	26.261	1.477	0.58	77.2
90	8.45	33.809	8.44	26.273	1.653	0.54	77.4
100	8.41	33.818	8.40	26.286	1.828	0.54	78.0
110	8.35	33.836	8.34	26.309	2.001	0.49	79.8
120	8.29	33.854	8.28	26.333	2.173	0.48	77.8
130	8.28	33.856	8.27	26.336	2.343	0.47	78.2
140	8.28	33.858	8.26	26.338	2.513	0.47	79.4
150	8.26	33.866	8.25	26.347	2.683	0.47	76.7

W0309B

Station 29 FM-6
Temperature, Salinity

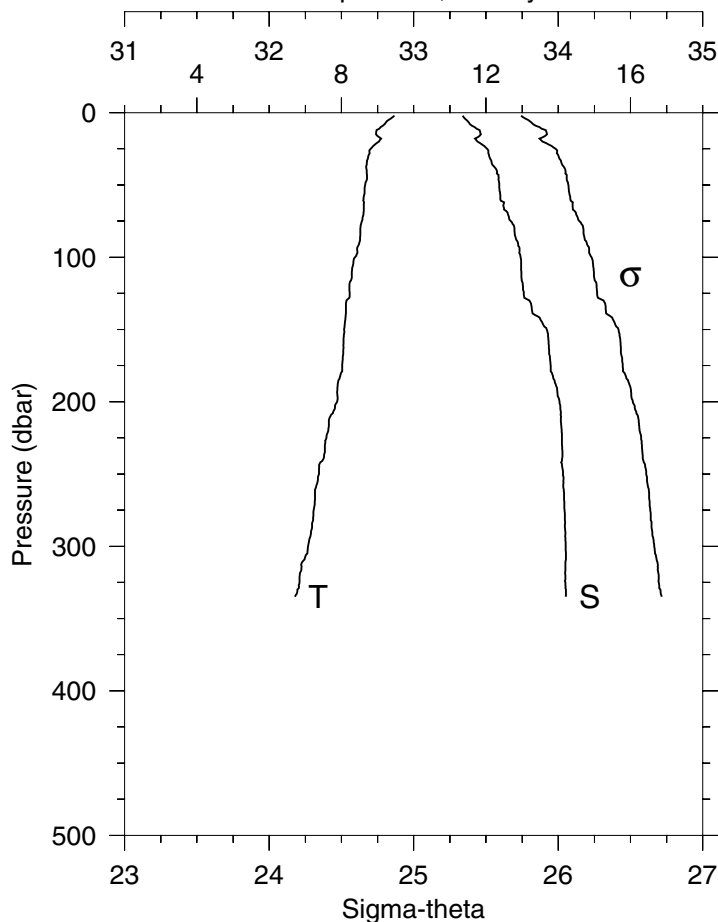
STA: 29 FM-6 LAT: 43 13.1 N LONG: 124 45.0 W
29 SEP 2003 2232 GMT DEPTH 311



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
1	9.76	33.055	9.76	25.473	0.025	0.99	82.6
10	9.41	33.174	9.41	25.624	0.239	1.29	83.8
20	8.79	33.251	8.78	25.783	0.467	1.15	85.4
30	8.74	33.365	8.73	25.880	0.681	1.09	86.2
40	8.69	33.419	8.69	25.929	0.892	0.99	86.2
50	8.69	33.442	8.69	25.948	1.098	0.83	86.6
60	8.62	33.535	8.61	26.032	1.300	0.92	87.3
70	8.37	33.571	8.36	26.097	1.495	0.53	88.2
80	8.31	33.650	8.31	26.169	1.682	0.41	88.3
90	8.30	33.742	8.30	26.242	1.865	0.41	88.1
100	8.30	33.801	8.28	26.290	2.040	0.39	87.9
110	8.28	33.828	8.27	26.313	2.213	0.40	87.8
120	8.26	33.852	8.25	26.335	2.384	0.40	87.7
130	8.20	33.877	8.18	26.365	2.553	0.39	88.1
140	8.13	33.906	8.11	26.398	2.719	0.39	88.2
150	8.12	33.919	8.11	26.410	2.883	0.40	87.4
175	8.07	33.949	8.05	26.441	3.289	0.41	85.7
200	7.85	33.975	7.83	26.494	3.686	0.39	87.2
225	7.77	34.011	7.75	26.535	4.073	0.38	87.4
250	7.60	34.020	7.58	26.566	4.451	0.38	87.4
275	7.49	34.007	7.46	26.572	4.827	0.39	86.2
300	7.46	34.006	7.43	26.575	5.202	0.39	85.7
305	7.46	34.006	7.43	26.576	5.277	0.39	85.2

Station 30 FM-7
Temperature, Salinity

STA: 30 FM-7 LAT: 43 13.1 N LONG: 124 50.0 W
29 SEP 2003 2328 GMT DEPTH 344

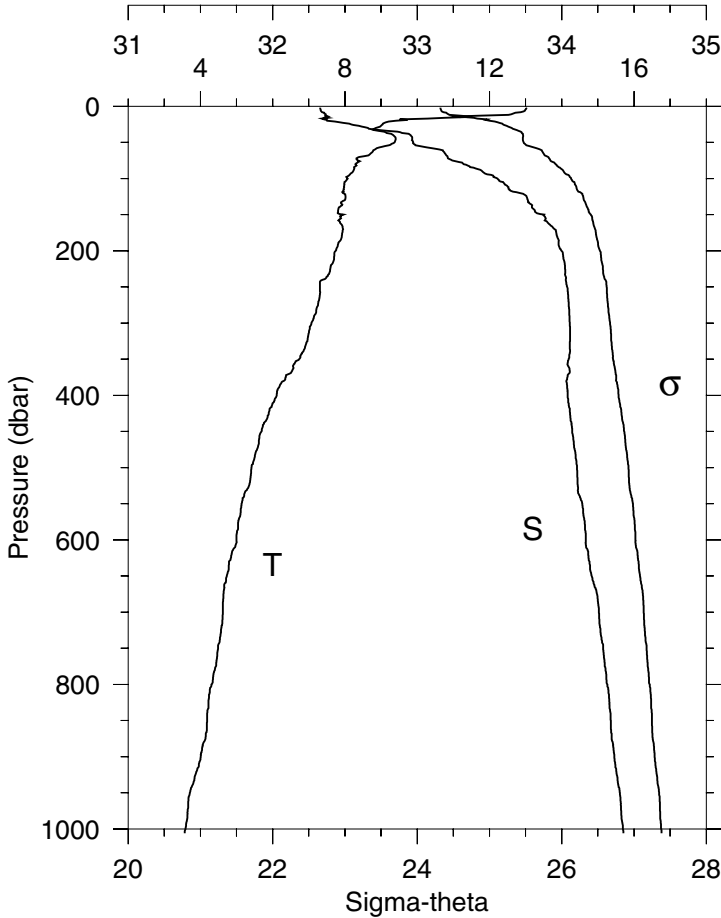


P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.47	33.340	9.47	25.743	0.045	1.69	82.1
10	9.08	33.422	9.08	25.870	0.220	2.60	83.1
20	9.04	33.440	9.04	25.891	0.429	1.60	83.6
30	8.75	33.522	8.74	26.001	0.632	1.23	85.6
40	8.70	33.575	8.70	26.050	0.830	0.94	86.4
50	8.66	33.592	8.65	26.070	1.025	0.88	86.8
60	8.61	33.600	8.60	26.084	1.219	0.80	87.0
70	8.61	33.652	8.60	26.124	1.410	0.71	86.9
80	8.52	33.697	8.52	26.173	1.597	0.60	87.0
90	8.49	33.722	8.48	26.198	1.781	0.58	87.1
100	8.38	33.740	8.37	26.230	1.962	0.54	87.7
110	8.29	33.745	8.28	26.247	2.141	0.45	88.3
120	8.22	33.756	8.21	26.266	2.319	0.42	88.7
130	8.14	33.801	8.13	26.314	2.495	0.41	89.0
140	8.12	33.842	8.10	26.349	2.666	0.38	89.0
150	8.08	33.920	8.06	26.417	2.831	0.38	88.7
175	8.02	33.948	8.00	26.447	3.235	0.38	88.6
200	7.88	34.009	7.86	26.516	3.627	0.39	87.3
225	7.59	34.026	7.56	26.573	4.005	0.38	87.6
250	7.38	34.034	7.36	26.609	4.375	0.38	88.2
275	7.24	34.044	7.21	26.637	4.736	0.38	88.6
300	7.08	34.051	7.05	26.664	5.093	0.38	88.8
335	6.71	34.052	6.68	26.716	5.580	0.38	84.2

W0309B

Station 31 FM-8
Temperature, Salinity

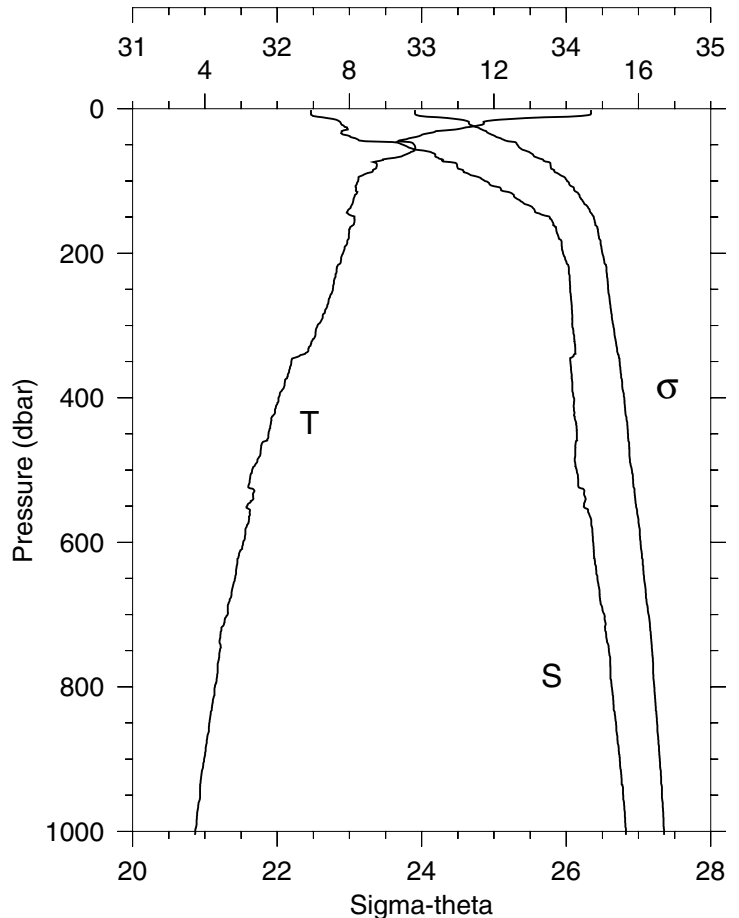
STA: 31 FM-8 LAT: 43 13.1 N LONG: 125 0.1 W
30 SEP 2003 0118 GMT DEPTH 1079



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	13.02	32.329	13.02	24.322	0.072	1.34	84.3
10	12.66	32.359	12.66	24.414	0.358	1.26	84.4
20	9.41	32.376	9.41	25.000	0.680	0.71	88.4
30	8.86	32.658	8.85	25.308	0.958	0.56	88.8
40	9.34	32.954	9.33	25.464	1.214	0.83	86.9
50	9.37	32.972	9.36	25.473	1.466	0.95	86.6
60	8.83	33.156	8.82	25.702	1.708	0.99	86.2
70	8.39	33.211	8.39	25.812	1.933	0.81	87.4
80	8.29	33.322	8.28	25.915	2.147	0.49	88.8
90	8.22	33.451	8.21	26.027	2.351	0.40	89.2
100	8.07	33.555	8.06	26.130	2.545	0.40	89.2
110	7.97	33.622	7.96	26.197	2.731	0.38	89.3
120	7.94	33.709	7.93	26.271	2.912	0.38	89.3
130	7.99	33.766	7.98	26.308	3.086	0.38	89.3
140	7.83	33.794	7.82	26.354	3.256	0.38	89.4
150	7.95	33.879	7.94	26.403	3.423	0.38	89.1
175	7.93	33.962	7.91	26.472	3.825	0.38	88.9
200	7.74	33.999	7.72	26.528	4.215	0.38	88.8
225	7.59	34.023	7.57	26.570	4.592	0.38	88.7
250	7.30	34.038	7.28	26.622	4.961	0.38	89.0
275	7.25	34.048	7.23	26.638	5.321	0.38	89.0
300	7.07	34.056	7.04	26.669	5.677	0.38	89.1
350	6.73	34.048	6.70	26.710	6.374	0.38	89.3
400	6.11	34.040	6.07	26.785	7.043	0.38	89.6
450	5.69	34.073	5.65	26.863	7.678	0.38	89.6
500	5.41	34.106	5.37	26.923	8.283	0.37	89.7
600	5.00	34.167	4.95	27.020	9.421	0.38	89.8
800	4.30	34.316	4.24	27.217	11.425	0.38	89.6
1000	3.59	34.423	3.51	27.377	13.132	0.37	89.4
1006	3.56	34.427	3.49	27.381	13.178	0.38	89.3

Station 32 FM-9
Temperature, Salinity

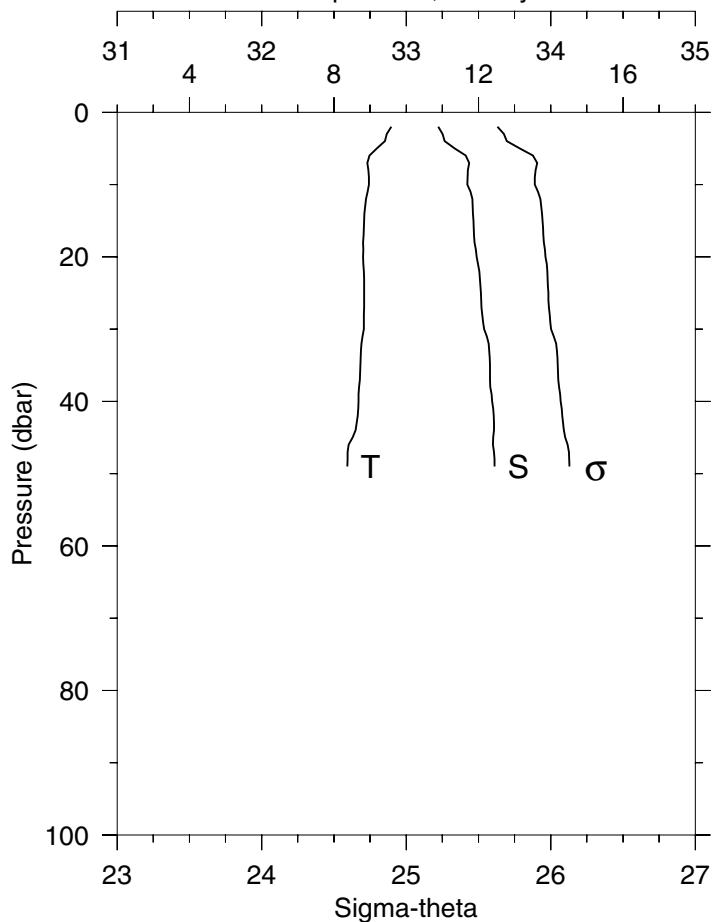
STA: 32 FM-9 LAT: 43 13.1 N LONG: 125 10.1 W
30 SEP 2003 0257 GMT DEPTH 1659



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	14.68	32.234	14.68	23.909	0.080	0.97	85.9
10	14.42	32.247	14.42	23.975	0.398	1.11	86.0
20	11.72	32.440	11.72	24.654	0.746	1.05	86.1
30	10.68	32.461	10.67	24.856	1.065	0.89	87.4
40	9.76	32.520	9.75	25.058	1.365	0.82	87.8
50	9.79	32.871	9.79	25.325	1.641	0.57	88.9
60	9.70	33.060	9.70	25.488	1.900	0.49	89.0
70	8.93	33.143	8.93	25.676	2.143	0.50	89.2
80	8.75	33.246	8.74	25.785	2.368	0.44	89.3
90	8.45	33.325	8.44	25.894	2.586	0.41	89.3
100	8.24	33.437	8.23	26.012	2.791	0.39	89.1
110	8.18	33.546	8.17	26.107	2.987	0.39	89.3
120	8.15	33.639	8.14	26.185	3.175	0.38	89.2
130	8.10	33.701	8.08	26.242	3.357	0.38	89.4
140	7.97	33.781	7.95	26.324	3.532	0.38	89.3
150	8.14	33.885	8.13	26.379	3.701	0.38	88.8
175	7.99	33.942	7.97	26.448	4.109	0.38	88.7
200	7.82	33.978	7.80	26.501	4.503	0.38	88.7
225	7.64	34.018	7.62	26.558	4.885	0.38	88.7
250	7.54	34.028	7.52	26.580	5.259	0.38	88.7
275	7.37	34.039	7.35	26.614	5.628	0.38	88.9
300	7.12	34.042	7.09	26.652	5.989	0.38	89.1
350	6.39	34.029	6.36	26.739	6.684	0.38	89.6
400	6.04	34.053	6.01	26.804	7.345	0.38	89.6
450	5.76	34.073	5.72	26.855	7.979	0.37	89.7
500	5.30	34.072	5.26	26.909	8.592	0.37	89.8
600	5.06	34.187	5.01	27.029	9.734	0.38	89.7
800	4.28	34.315	4.22	27.218	11.728	0.37	89.8
1000	3.73	34.413	3.66	27.354	13.441	0.37	89.6
1005	3.73	34.413	3.65	27.354	13.482	0.37	89.6

W0309B

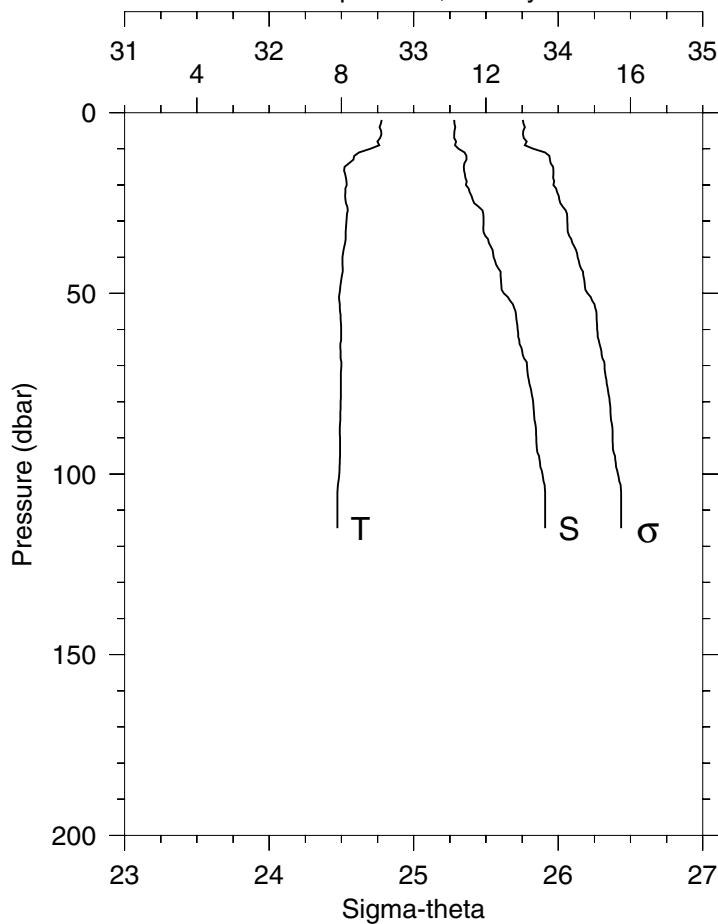
Station 33 HH-1
Temperature, Salinity



STA: 33 HH-1 LAT: 44 0.1 N LONG: 124 12.1 W
30 SEP 2003 0931 GMT DEPTH 55

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.59	33.221	9.58	25.632	0.047	5.00	71.6
10	8.97	33.423	8.97	25.889	0.221	5.00	76.7
20	8.81	33.487	8.80	25.964	0.427	3.21	80.5
30	8.82	33.539	8.82	26.002	0.629	2.57	80.9
40	8.68	33.594	8.68	26.068	0.825	1.19	81.2
49	8.37	33.611	8.37	26.129	0.997	2.20	75.2

Station 34 HH-2
Temperature, Salinity



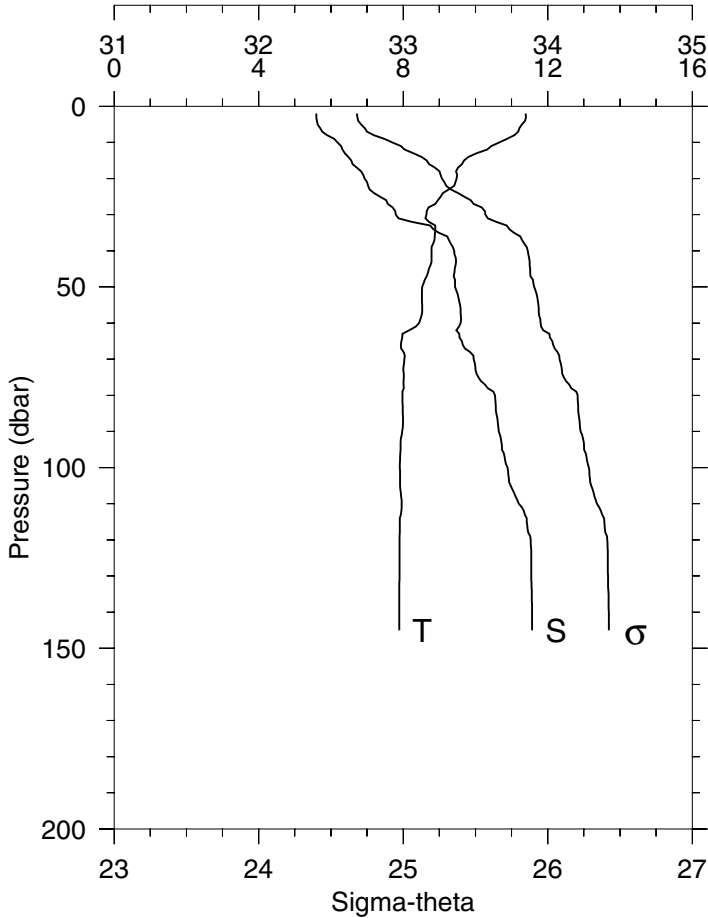
STA: 34 HH-2 LAT: 44 0.1 N LONG: 124 24.0 W
30 SEP 2003 1050 GMT DEPTH 122

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	9.11	33.280	9.11	25.754	0.045	4.85	76.2
10	8.80	33.310	8.80	25.826	0.222	3.76	80.8
20	8.15	33.361	8.14	25.966	0.427	2.75	85.8
30	8.14	33.483	8.14	26.063	0.625	0.74	87.2
40	8.03	33.554	8.03	26.134	0.817	0.56	87.8
50	7.94	33.623	7.94	26.202	1.001	0.56	88.6
60	7.99	33.719	7.99	26.270	1.178	0.44	88.3
70	8.00	33.784	7.99	26.320	1.351	0.43	88.1
80	7.98	33.826	7.97	26.356	1.520	0.45	88.1
90	7.96	33.848	7.95	26.377	1.686	0.42	87.6
100	7.94	33.891	7.93	26.414	1.850	0.41	86.3
110	7.89	33.909	7.88	26.435	2.011	0.43	80.1
115	7.89	33.909	7.88	26.436	2.091	0.44	79.4

W0309B

Station 35 HH-3
Temperature, Salinity

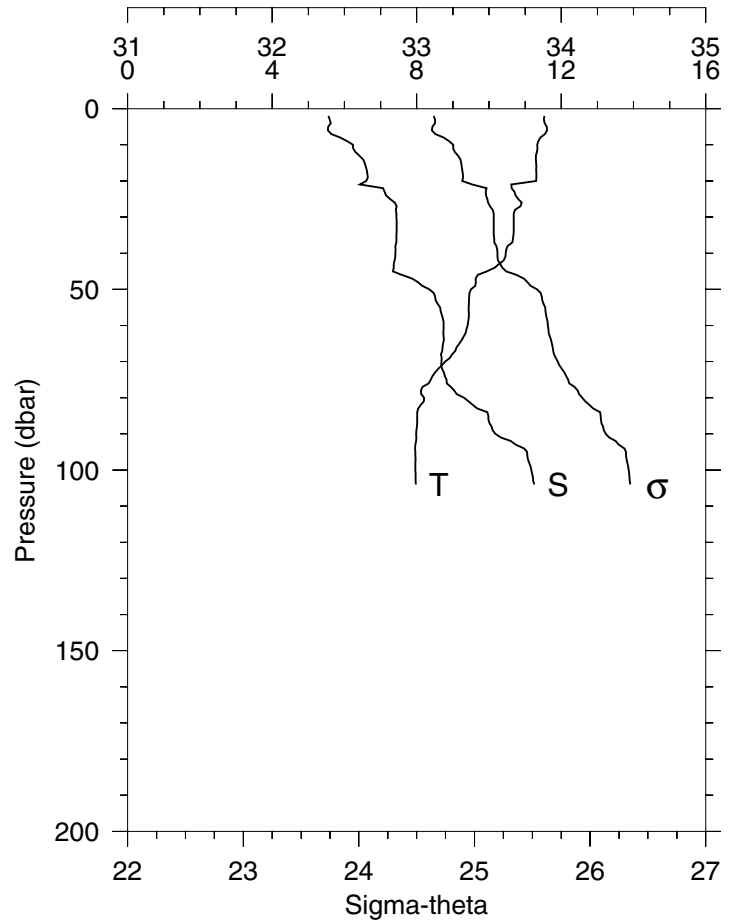
STA: 35 HH-3 LAT: 44 0.1 N LONG: 124 36.0 W
30 SEP 2003 1249 GMT DEPTH 155



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.39	32.398	11.39	24.680	0.065	2.13	81.1
10	10.67	32.545	10.67	24.923	0.320	3.09	83.1
20	9.48	32.733	9.48	25.268	0.602	0.80	87.4
30	8.64	32.949	8.64	25.568	0.857	0.62	88.6
40	8.78	33.352	8.78	25.862	1.082	0.82	87.1
50	8.53	33.358	8.52	25.907	1.293	1.27	87.2
60	8.44	33.396	8.43	25.951	1.500	1.34	86.9
70	8.03	33.487	8.03	26.082	1.699	0.76	87.4
80	7.98	33.634	7.97	26.206	1.888	1.28	87.4
90	7.97	33.661	7.96	26.228	2.069	0.70	87.2
100	7.91	33.721	7.90	26.285	2.246	0.47	88.1
110	7.96	33.799	7.95	26.339	2.418	0.94	87.3
120	7.90	33.882	7.89	26.412	2.583	0.45	82.0
130	7.89	33.886	7.88	26.417	2.746	0.53	81.9
140	7.89	33.891	7.88	26.422	2.908	0.49	80.3
145	7.89	33.891	7.87	26.422	2.989	0.87	79.8

Station 36 HH-4
Temperature, Salinity

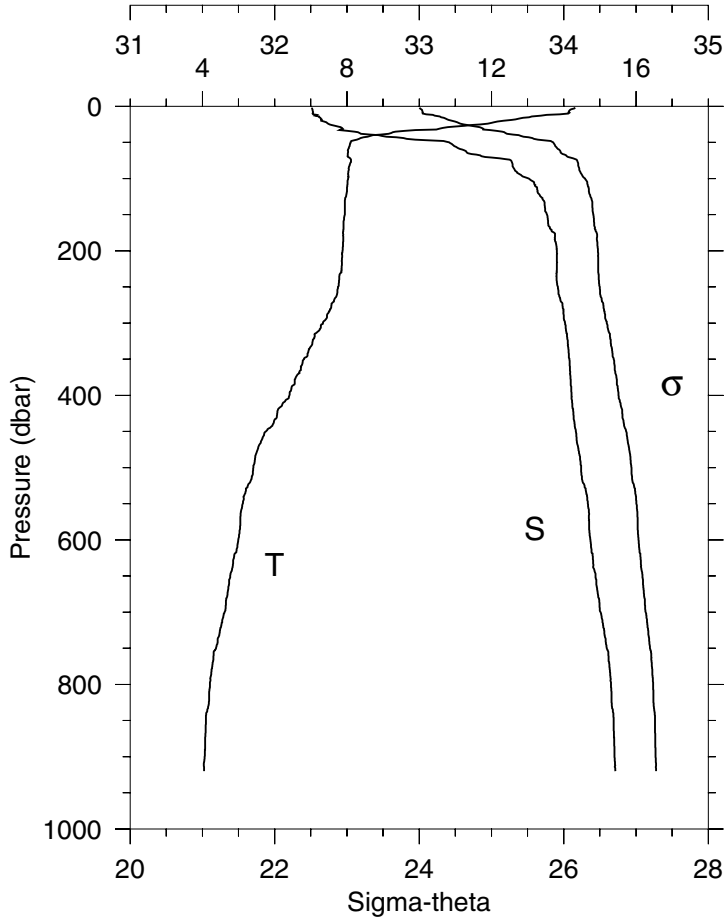
STA: 36 HH-4 LAT: 44 0.1 N LONG: 124 48.0 W
30 SEP 2003 1451 GMT DEPTH 111



P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	11.54	32.389	11.54	24.648	0.066	1.66	83.0
10	11.34	32.558	11.34	24.815	0.326	1.58	83.7
20	11.30	32.652	11.30	24.894	0.633	3.43	82.4
30	10.69	32.860	10.68	25.166	0.919	2.61	81.5
40	10.46	32.852	10.46	25.198	1.198	4.07	81.3
50	9.51	33.086	9.50	25.540	1.463	1.55	80.8
60	9.41	33.187	9.41	25.634	1.701	2.85	83.6
70	8.79	33.171	8.78	25.720	1.934	1.91	83.5
80	8.21	33.328	8.20	25.932	2.152	1.85	85.0
90	7.99	33.545	7.98	26.134	2.347	0.68	87.6
100	7.96	33.793	7.95	26.333	2.523	0.55	87.3
104	7.97	33.814	7.96	26.348	2.590	0.74	86.9

W0309B

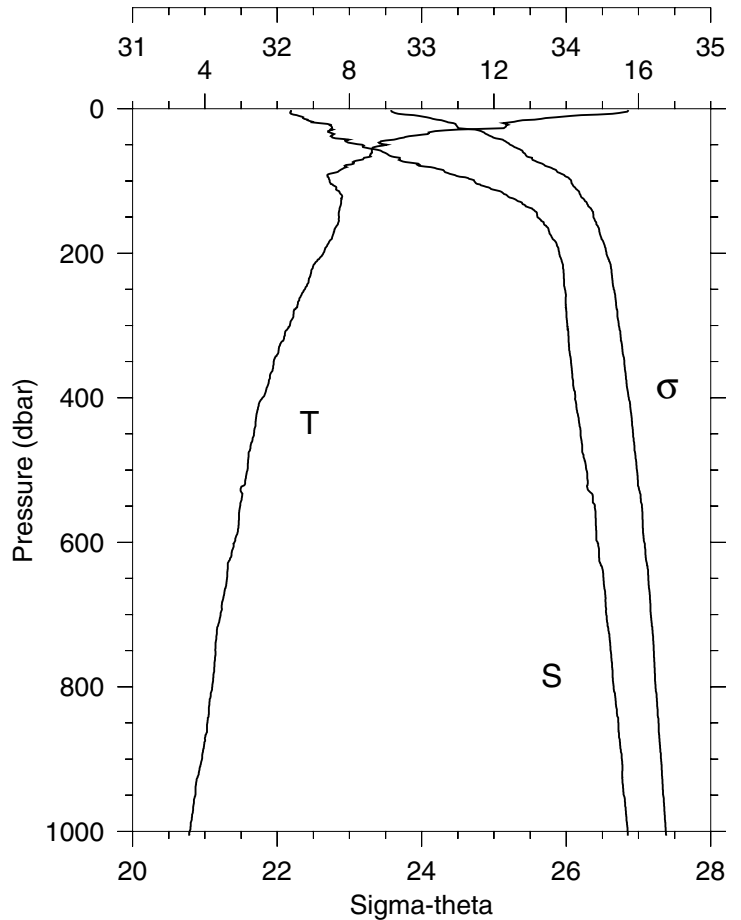
Station 37 HH-5
Temperature, Salinity



STA: 37 HH-5 LAT: 44 0.1 N LONG: 125 0.1 W
30 SEP 2003 1829 GMT DEPTH 935

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	14.32	32.259	14.32	24.004	0.078	0.86	84.0
10	14.13	32.263	14.12	24.048	0.387	1.31	82.9
20	12.33	32.322	12.33	24.449	0.751	1.10	86.5
30	10.65	32.465	10.65	24.864	1.080	0.83	87.7
40	8.71	32.718	8.71	25.377	1.366	0.55	89.0
50	8.10	33.207	8.09	25.853	1.604	0.44	89.1
60	8.03	33.297	8.02	25.934	1.815	0.44	89.1
70	8.03	33.456	8.02	26.058	2.017	0.48	88.9
80	8.08	33.646	8.07	26.200	2.203	0.49	88.7
90	8.04	33.670	8.03	26.226	2.384	0.45	88.5
100	8.03	33.759	8.02	26.296	2.561	0.44	88.3
110	8.01	33.801	8.00	26.332	2.732	0.44	88.2
120	7.99	33.821	7.98	26.351	2.901	0.43	87.5
130	7.94	33.858	7.93	26.387	3.068	0.43	86.5
140	7.94	33.869	7.93	26.397	3.233	0.43	86.3
150	7.94	33.884	7.92	26.409	3.397	0.45	86.2
175	7.89	33.934	7.87	26.456	3.802	0.43	82.9
200	7.88	33.952	7.86	26.472	4.200	0.42	82.9
225	7.85	33.953	7.82	26.478	4.596	0.41	83.5
250	7.75	33.960	7.73	26.497	4.990	0.42	85.4
275	7.57	33.991	7.54	26.548	5.378	0.40	85.9
300	7.34	34.009	7.31	26.596	5.755	0.39	86.7
350	6.81	34.039	6.78	26.691	6.472	0.38	87.1
400	6.41	34.053	6.37	26.758	7.155	0.38	87.9
450	5.76	34.084	5.72	26.864	7.799	0.38	88.5
500	5.41	34.121	5.36	26.936	8.399	0.38	88.4
600	4.99	34.185	4.94	27.035	9.516	0.38	89.2
800	4.21	34.327	4.15	27.235	11.498	0.38	89.5
920	4.04	34.358	3.97	27.278	12.560	0.38	88.8

Station 38 HH-7
Temperature, Salinity

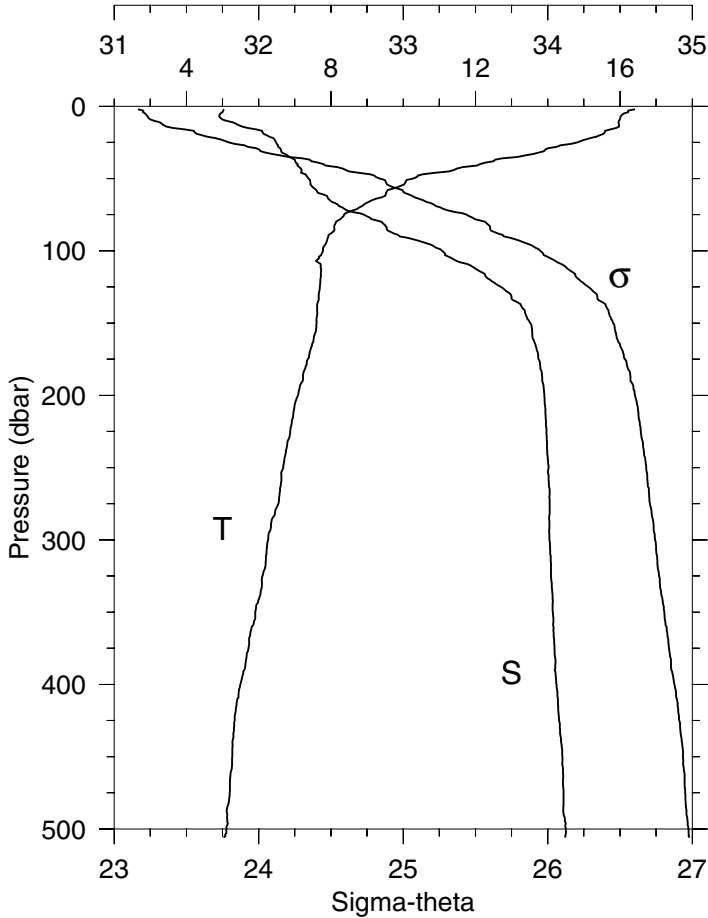


STA: 38 HH-7 LAT: 44 0.1 N LONG: 125 12.1 W
30 SEP 2003 2317 GMT DEPTH 1751

P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	15.72	32.095	15.72	23.578	0.086	0.98	84.7
10	14.13	32.151	14.12	23.962	0.422	1.20	83.8
20	12.26	32.293	12.26	24.440	0.793	1.07	86.3
30	10.66	32.367	10.65	24.787	1.132	0.70	88.1
40	9.51	32.382	9.51	24.990	1.437	0.64	88.6
50	9.04	32.588	9.03	25.225	1.719	0.55	89.0
60	8.63	32.731	8.62	25.400	1.984	0.46	89.2
70	8.37	32.848	8.36	25.531	2.236	0.42	89.3
80	7.88	33.023	7.87	25.740	2.472	0.38	89.4
90	7.46	33.193	7.45	25.935	2.688	0.36	89.5
100	7.45	33.364	7.45	26.069	2.888	0.37	89.5
110	7.64	33.474	7.63	26.130	3.080	0.36	89.5
120	7.79	33.591	7.78	26.200	3.266	0.37	89.5
130	7.77	33.693	7.76	26.284	3.445	0.37	89.4
140	7.72	33.775	7.71	26.354	3.617	0.38	89.4
150	7.71	33.801	7.69	26.377	3.784	0.38	89.4
175	7.54	33.892	7.53	26.473	4.188	0.38	89.4
200	7.28	33.952	7.26	26.557	4.571	0.38	89.5
225	6.94	33.981	6.92	26.627	4.937	0.38	89.6
250	6.77	33.990	6.75	26.658	5.294	0.37	89.6
275	6.55	33.997	6.53	26.693	5.641	0.38	89.7
300	6.36	34.008	6.33	26.727	5.982	0.38	89.7
350	5.91	34.034	5.88	26.805	6.639	0.38	89.6
400	5.59	34.062	5.56	26.866	7.268	0.38	89.7
450	5.36	34.100	5.32	26.925	7.866	0.37	89.6
500	5.18	34.140	5.14	26.977	8.441	0.37	89.8
600	4.82	34.217	4.77	27.081	9.520	0.38	89.4
800	4.20	34.328	4.14	27.237	11.438	0.37	89.7
1000	3.58	34.425	3.51	27.379	13.111	0.37	89.8
1006	3.56	34.427	3.49	27.382	13.157	0.38	89.8

W0309B

Station 39 HH-9
Temperature, Salinity



STA: 39 HH-9 LAT: 44 0.1 N LONG: 125 24.0 W
01 OCT 2003 0131 GMT DEPTH 3021

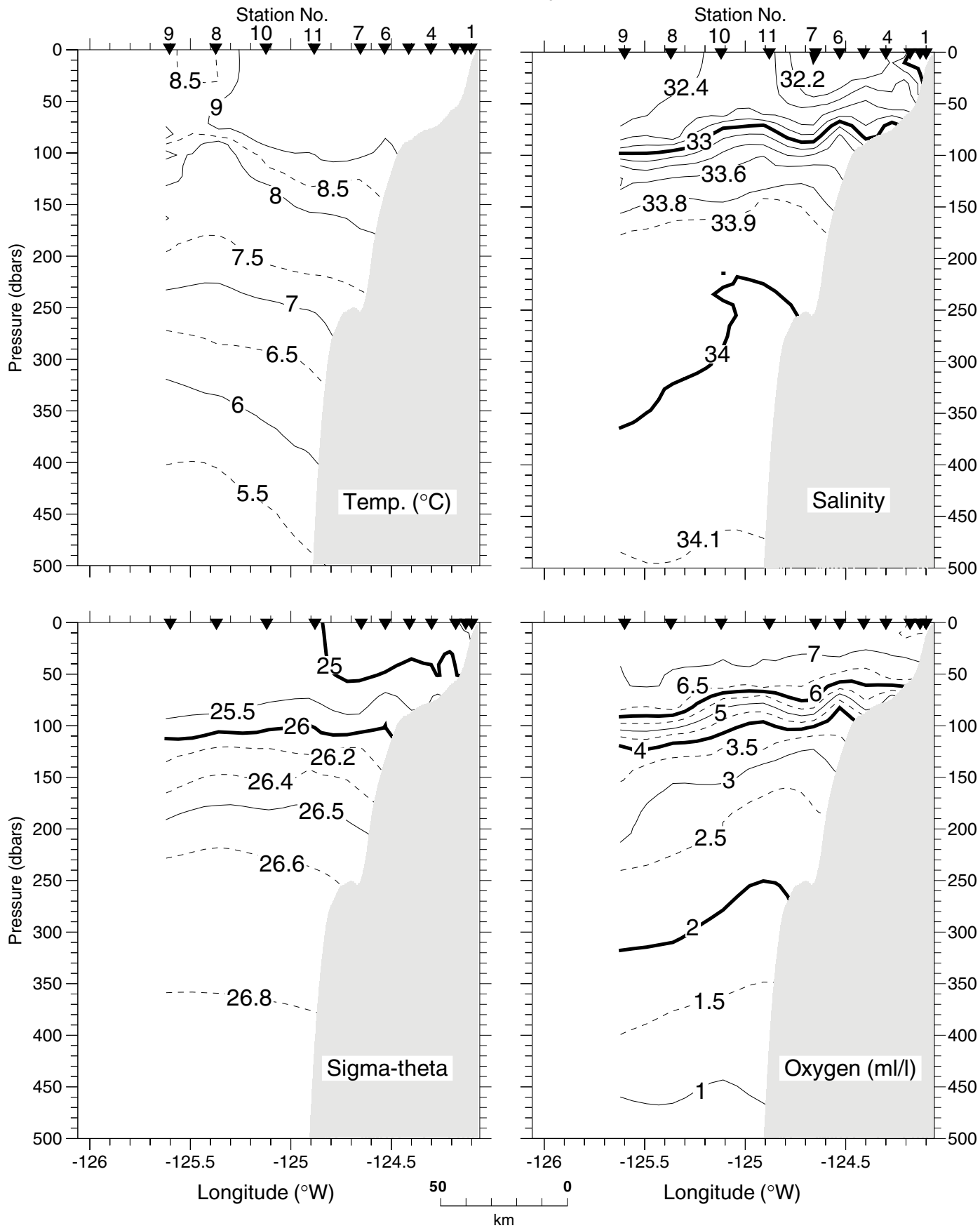
P (DB)	T (C)	S	POT T (C)	SIGMA THETA	DYN HT (J/KG)	FL (V)	TRN (%)
2	16.41	31.759	16.41	23.164	0.094	0.75	85.00
10	15.97	31.774	15.97	23.275	0.466	0.74	85.40
20	15.45	32.053	15.44	23.606	0.910	0.97	86.20
30	13.93	32.154	13.93	24.004	1.319	1.07	86.10
40	12.12	32.269	12.11	24.448	1.689	0.91	87.70
50	10.26	32.346	10.26	24.837	2.018	0.65	88.50
60	9.52	32.412	9.52	25.011	2.321	0.60	88.90
70	8.78	32.577	8.77	25.257	2.604	0.50	89.10
80	8.14	32.850	8.13	25.567	2.861	0.41	89.30
90	7.93	32.976	7.92	25.697	3.098	0.38	89.30
100	7.78	33.270	7.77	25.949	3.314	0.37	89.30
110	7.72	33.464	7.71	26.110	3.514	0.37	89.40
120	7.71	33.599	7.70	26.218	3.699	0.37	89.40
130	7.66	33.742	7.65	26.337	3.874	0.37	89.50
140	7.62	33.829	7.61	26.412	4.041	0.37	89.40
150	7.60	33.878	7.59	26.453	4.202	0.38	89.40
175	7.36	33.935	7.34	26.533	4.592	0.37	89.40
200	7.09	33.977	7.07	26.603	4.963	0.37	89.60
225	6.87	33.991	6.85	26.644	5.322	0.37	89.60
250	6.68	34.005	6.65	26.682	5.673	0.37	89.60
275	6.55	34.013	6.52	26.706	6.017	0.37	89.60
300	6.26	34.012	6.24	26.742	6.354	0.37	89.60
350	5.90	34.036	5.88	26.807	7.009	0.38	89.60
400	5.49	34.061	5.46	26.877	7.633	0.37	89.70
450	5.27	34.101	5.23	26.936	8.226	0.37	89.80
500	5.11	34.123	5.07	26.972	8.801	0.37	89.80
506	5.03	34.123	4.99	26.981	8.869	0.37	89.80

Vertical Sections

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

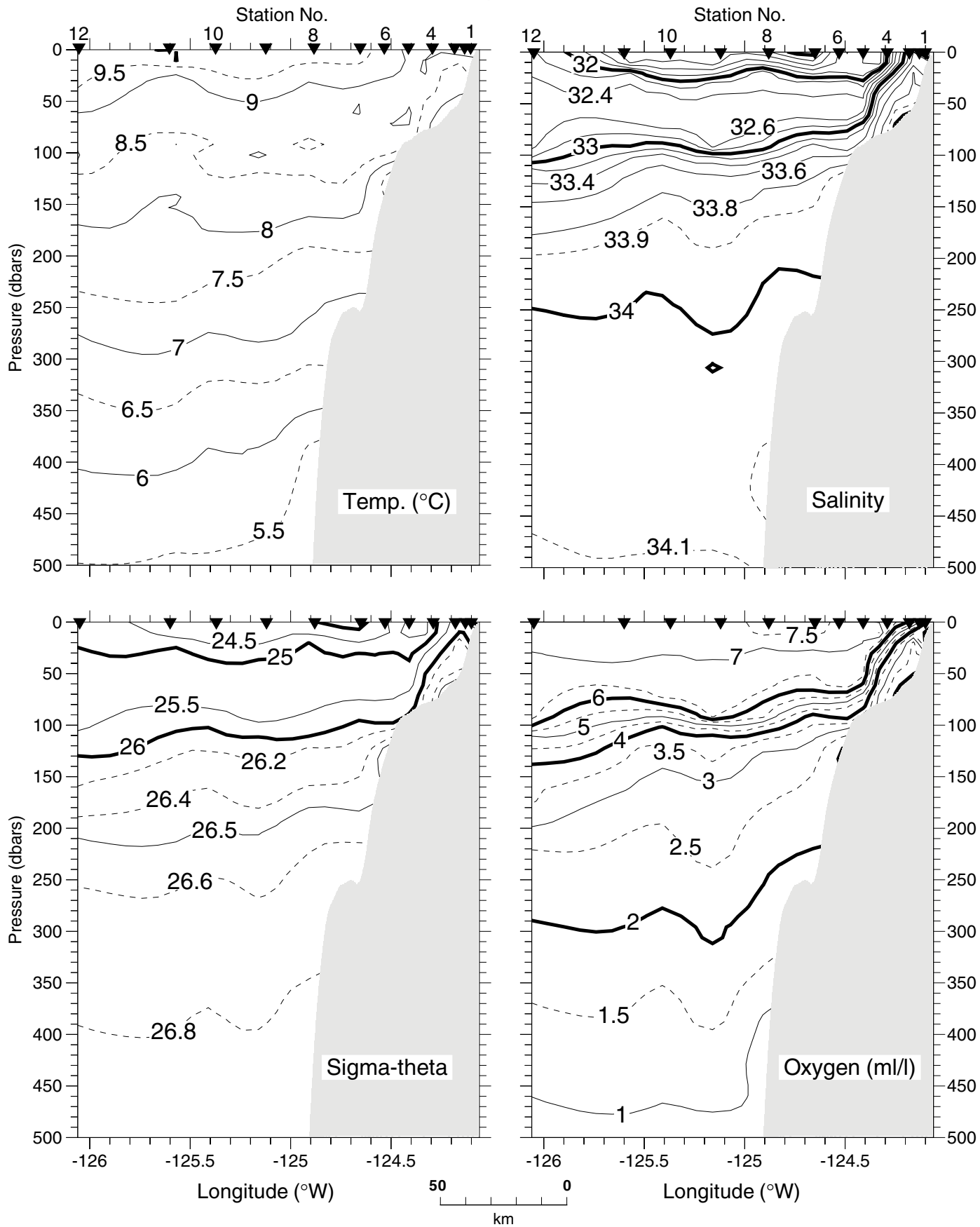
Newport Hydrographic Line 44°39'N

19-20 February 2002



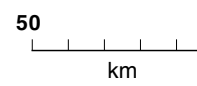
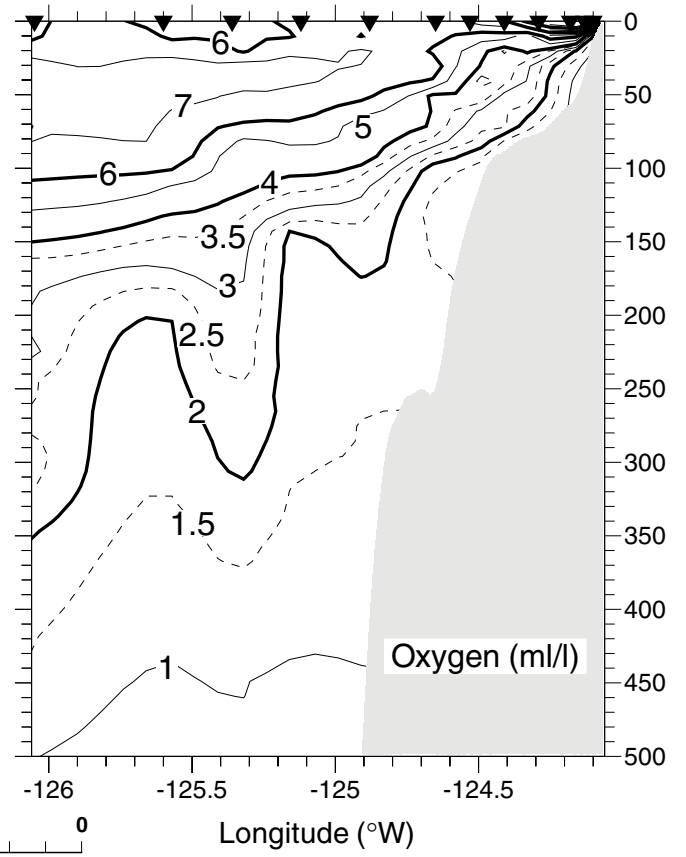
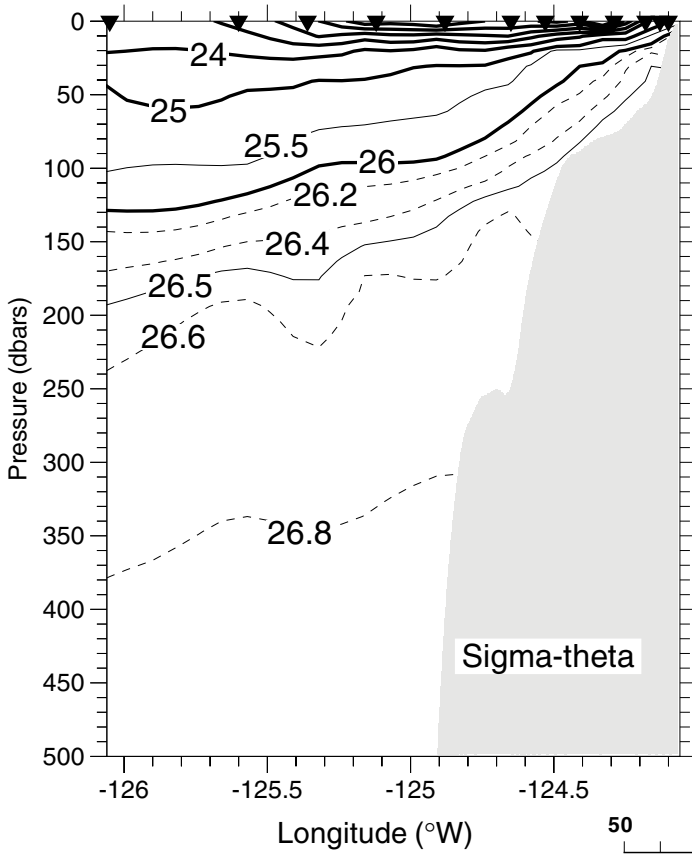
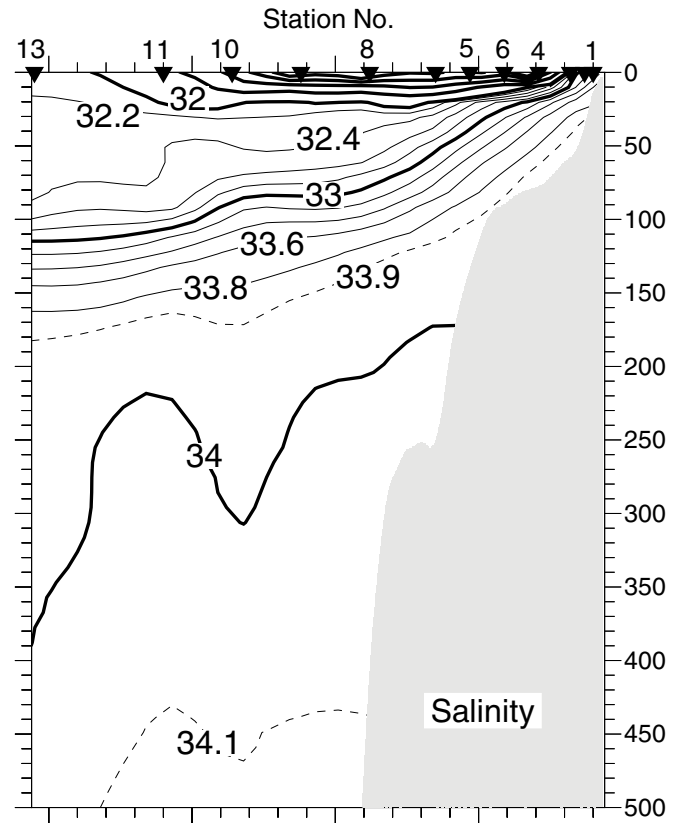
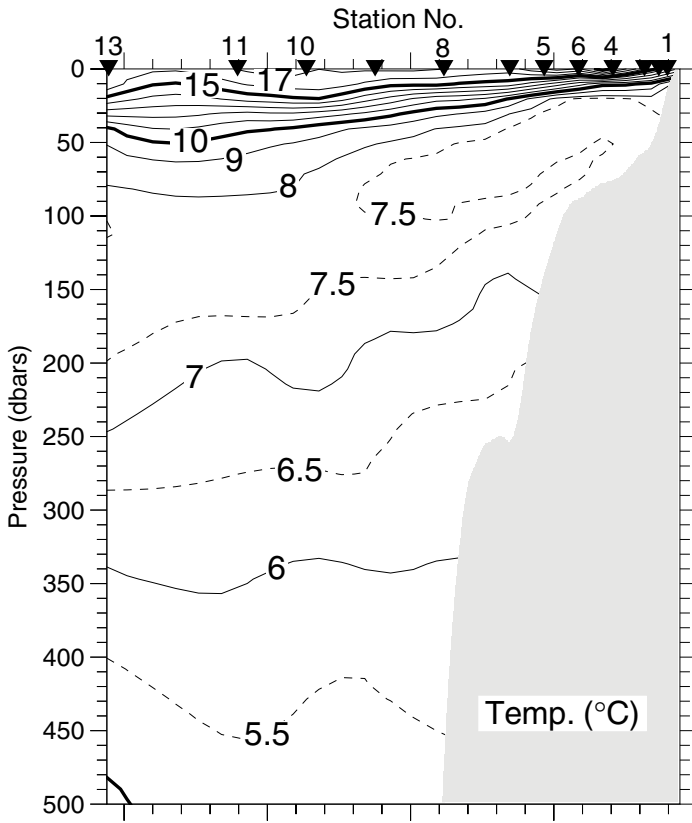
Newport Hydrographic Line 44°39'N

4-5 April 2002



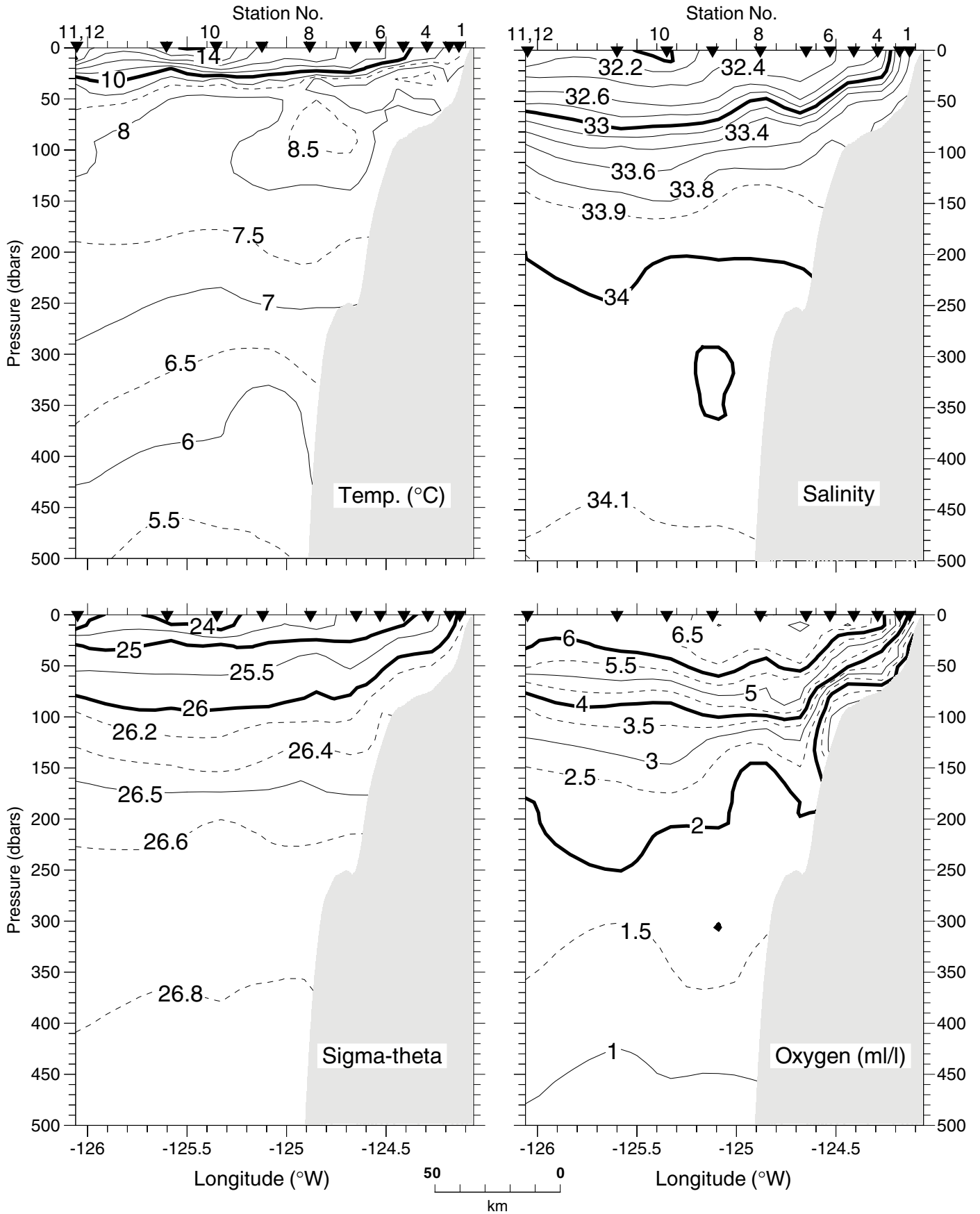
Newport Hydrographic Line 44°39'N

9-11 July 2002



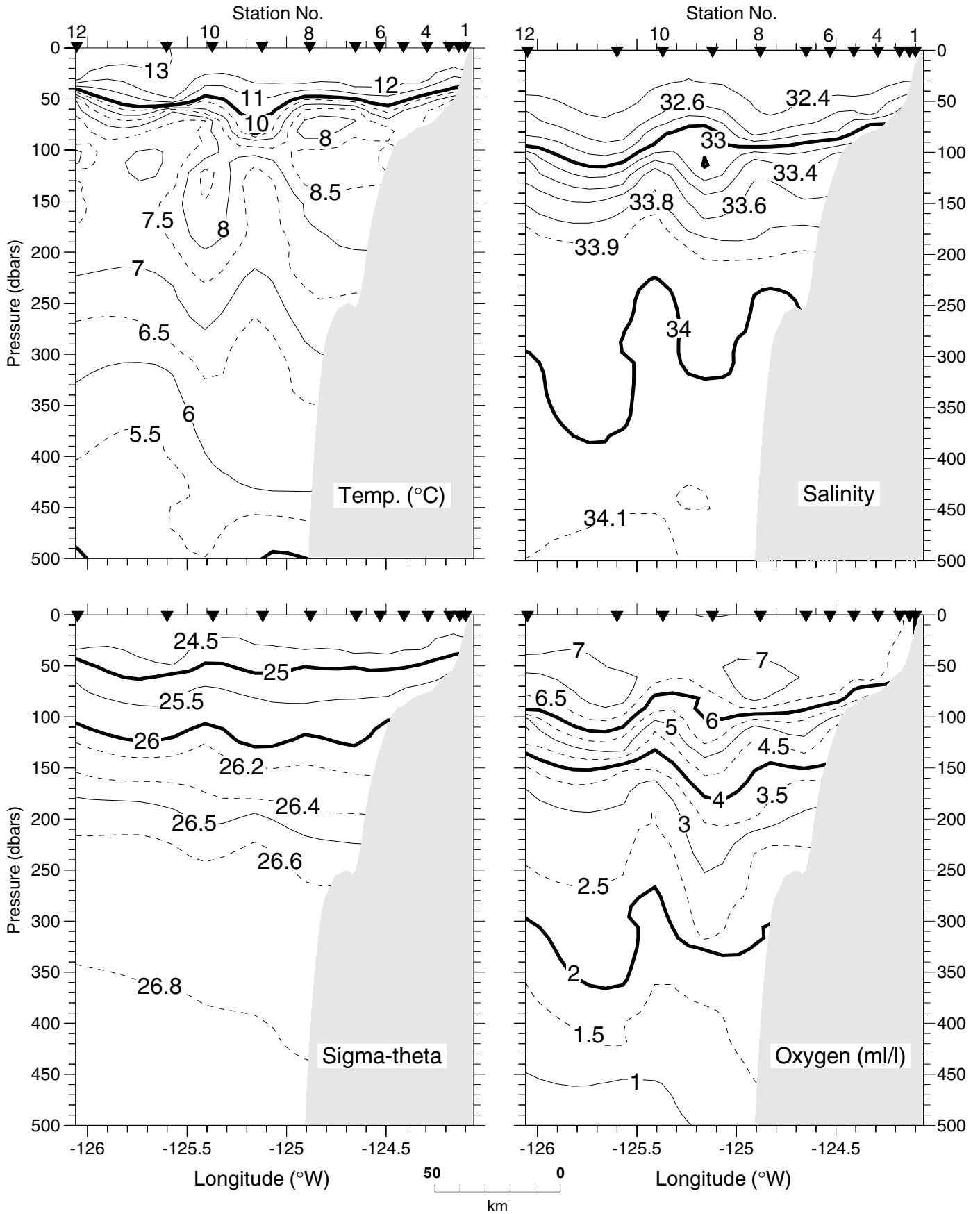
Newport Hydrographic Line 44°39'N

28-29 September 2002



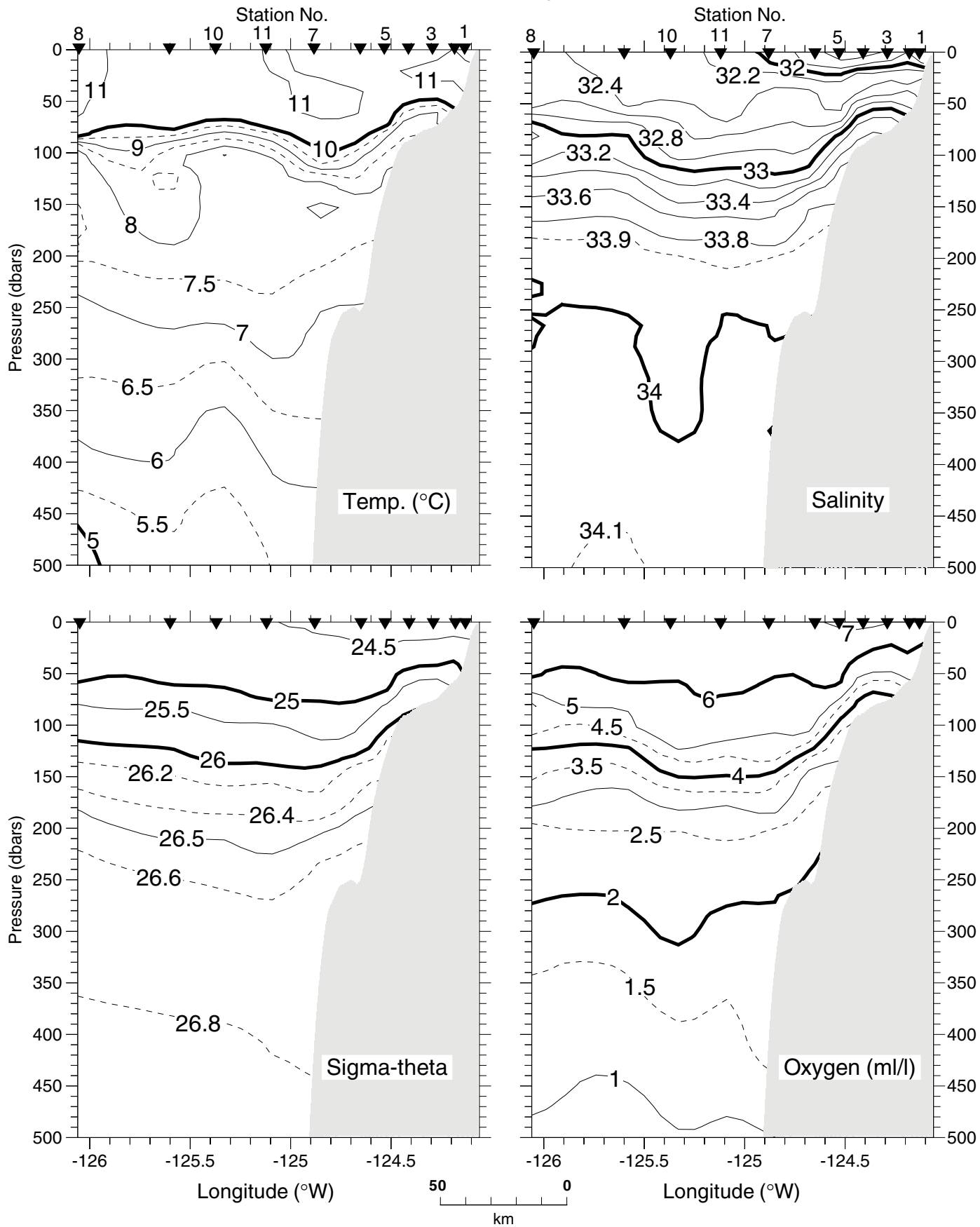
Newport Hydrographic Line 44°39'N

3-4 December 2002



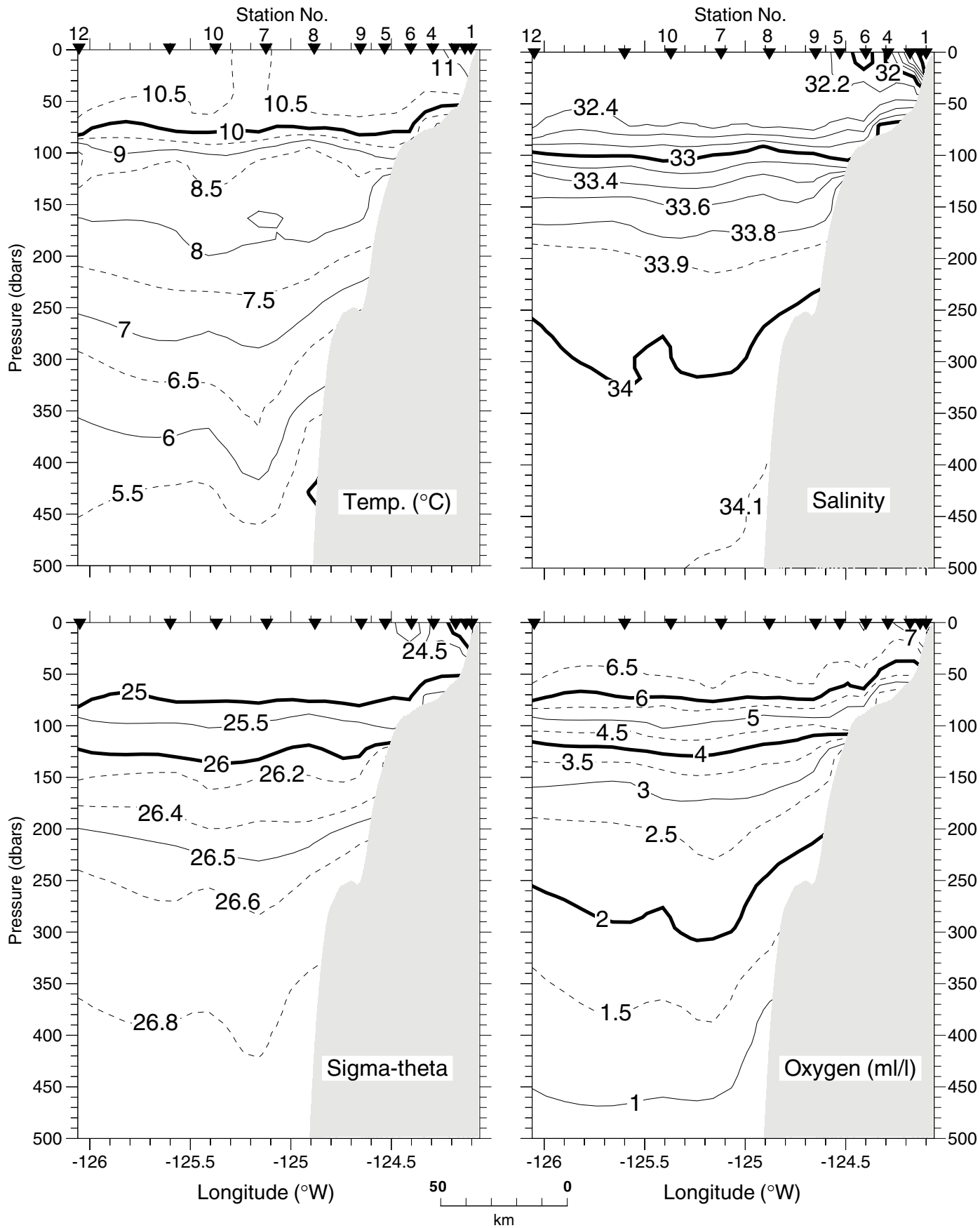
Newport Hydrographic Line 44°39'N

14-15 February 2003



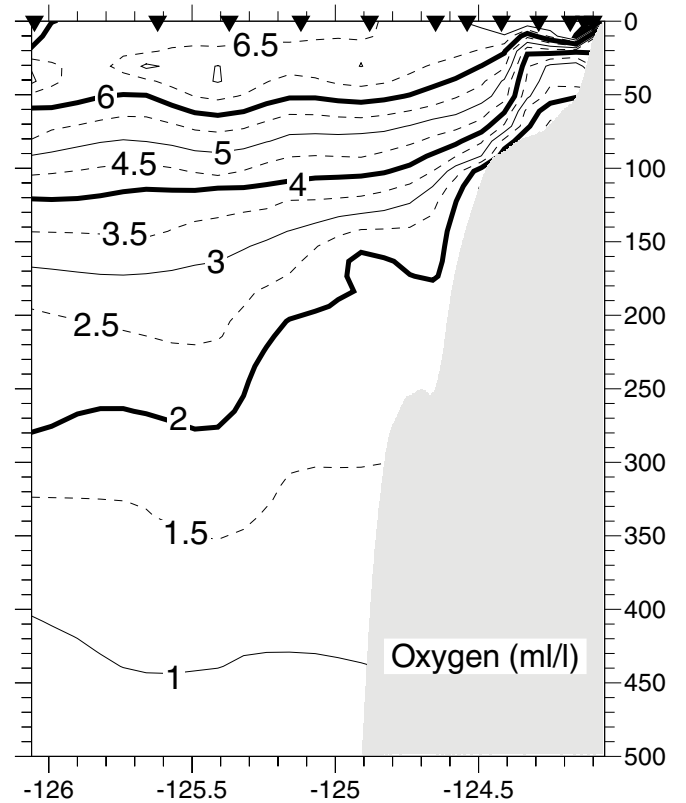
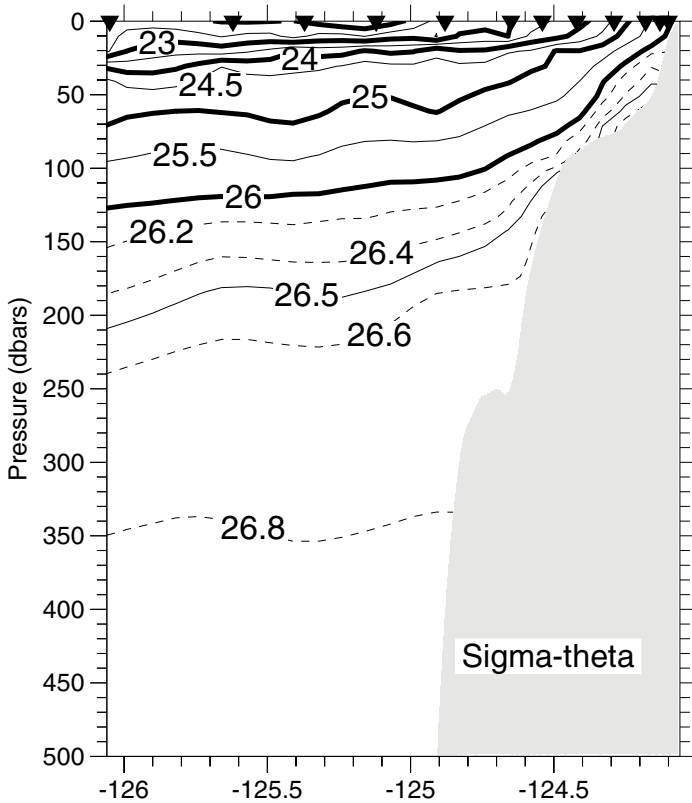
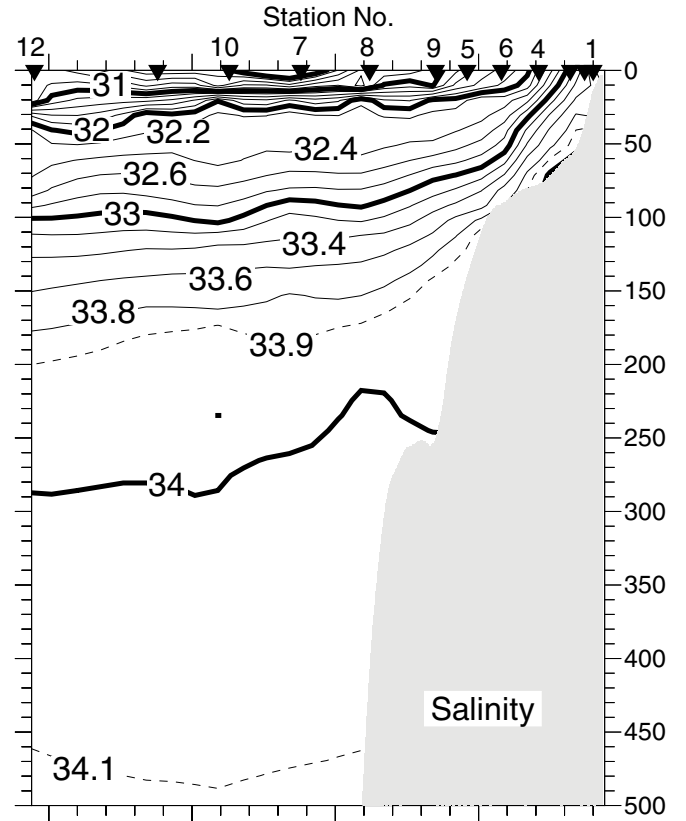
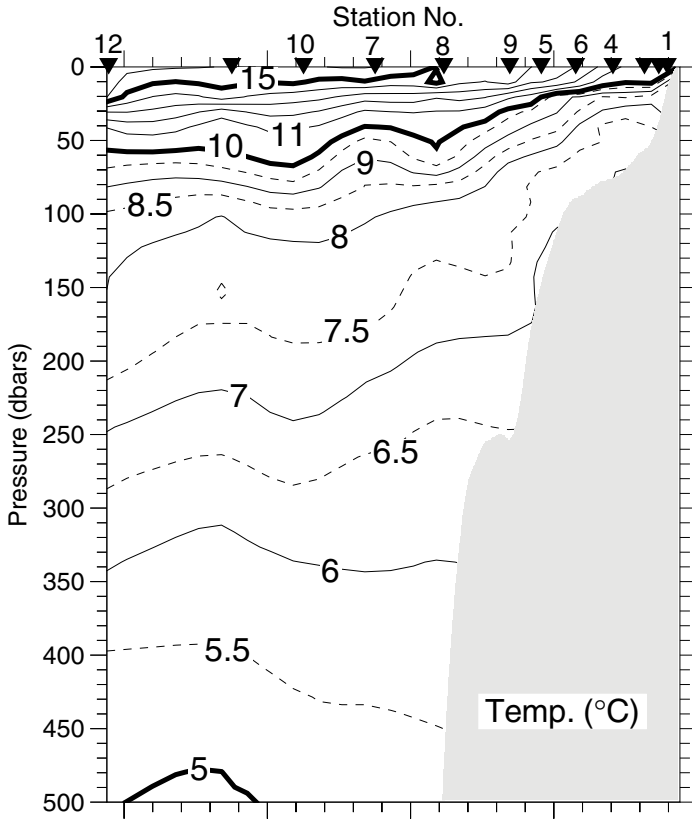
Newport Hydrographic Line 44°39'N

1-3 April 2003



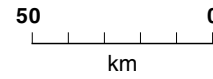
Newport Hydrographic Line 44°39'N

3-4 July 2003



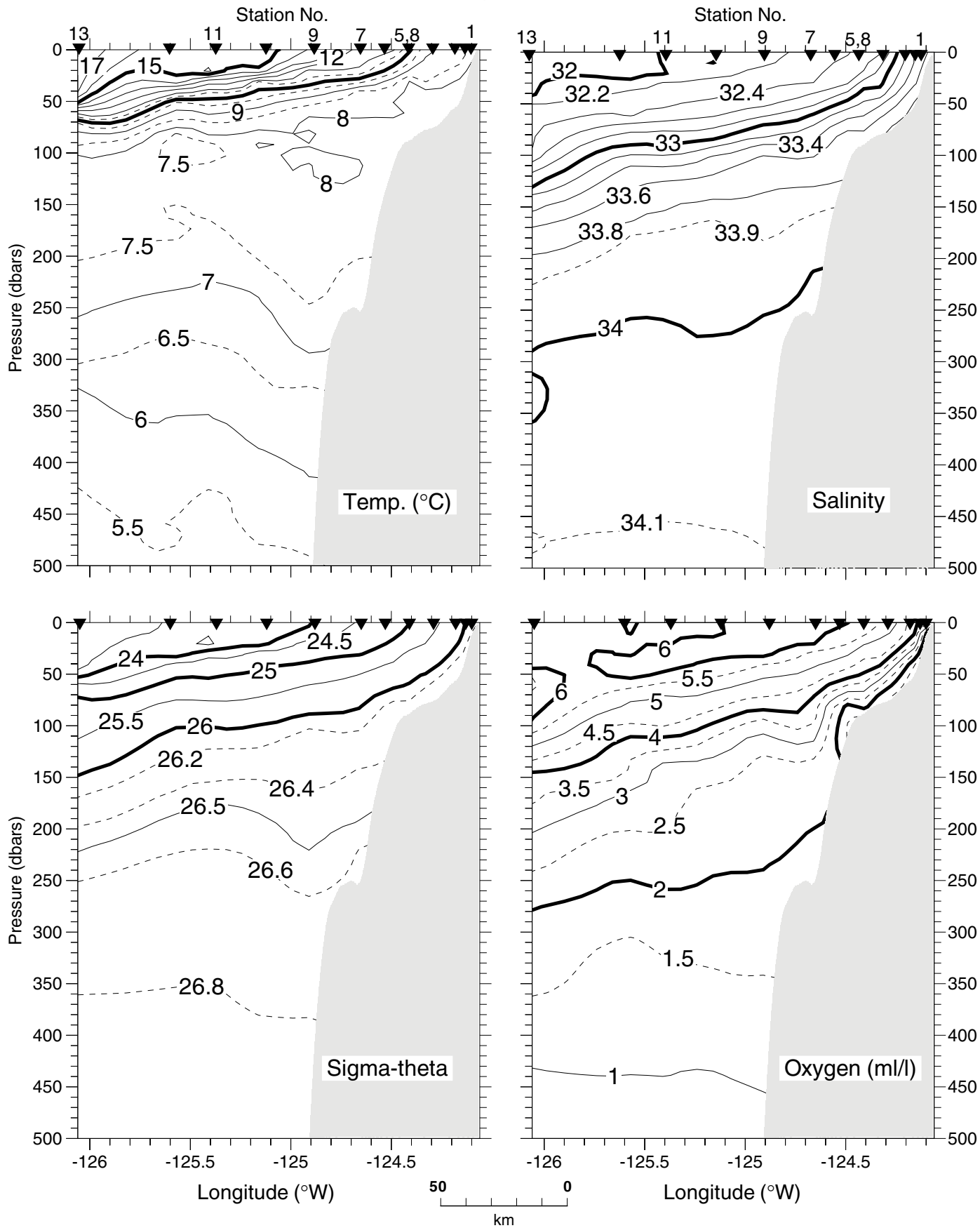
Longitude (°W)

Longitude (°W)



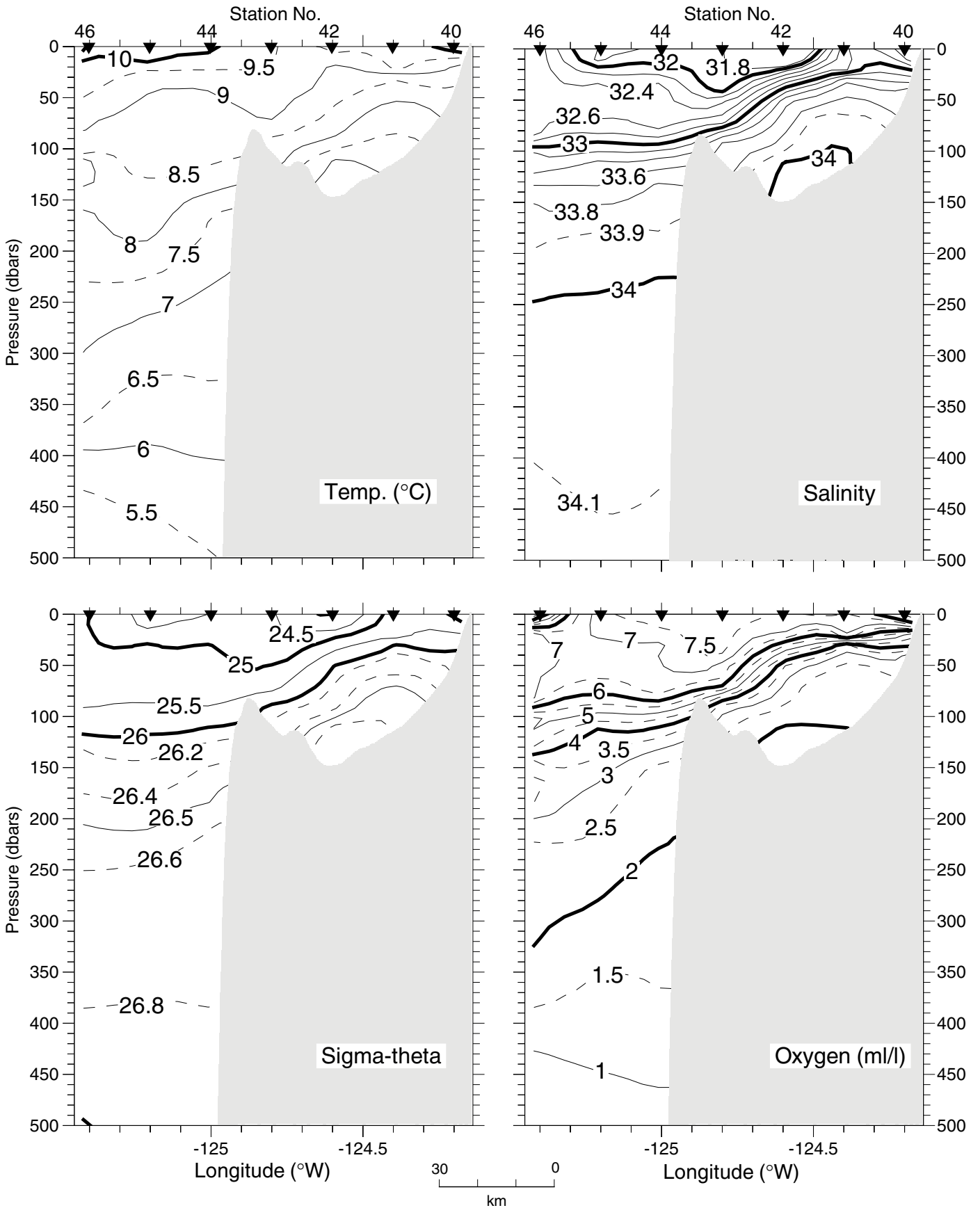
Newport Hydrographic Line 44°39'N

26-27 September 2003



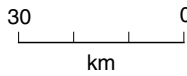
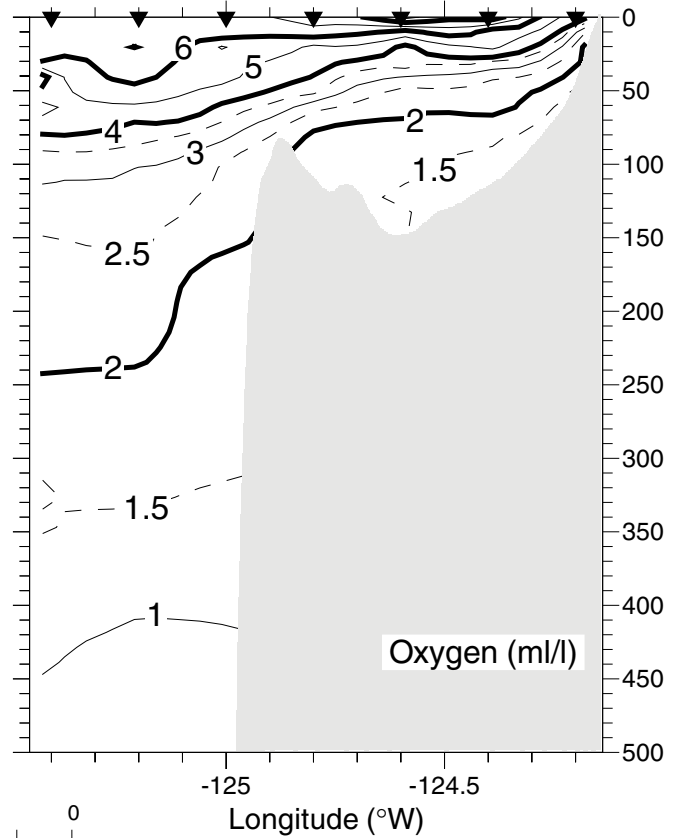
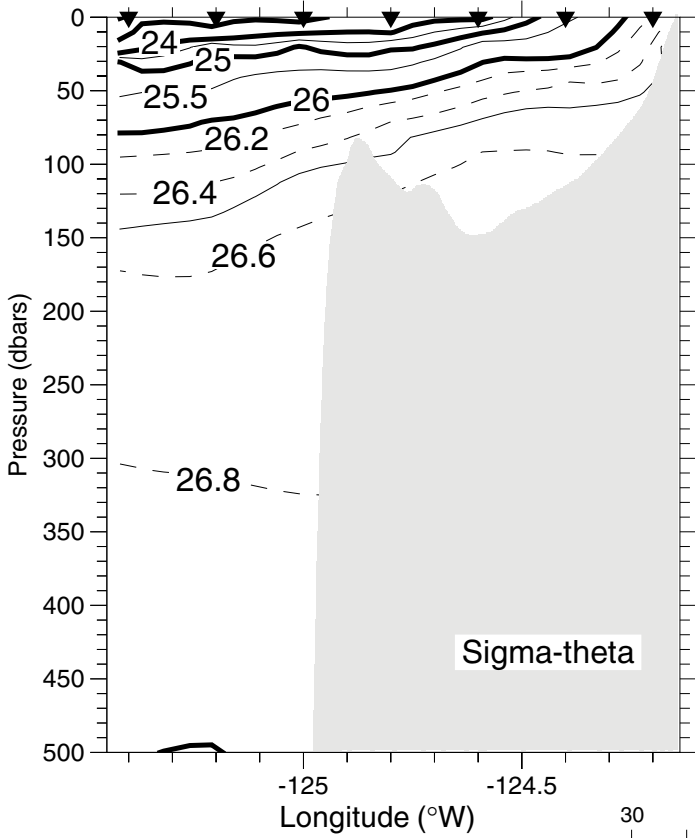
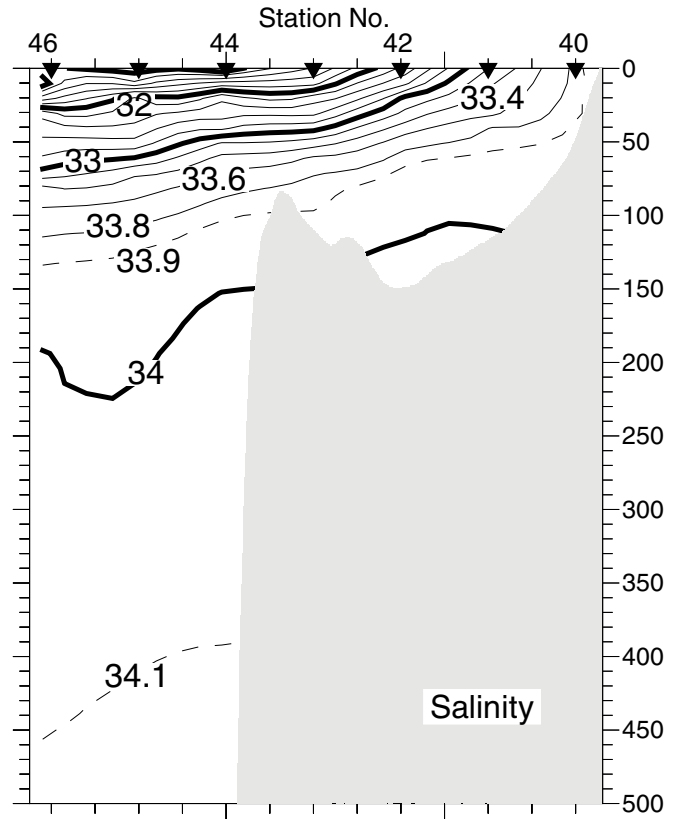
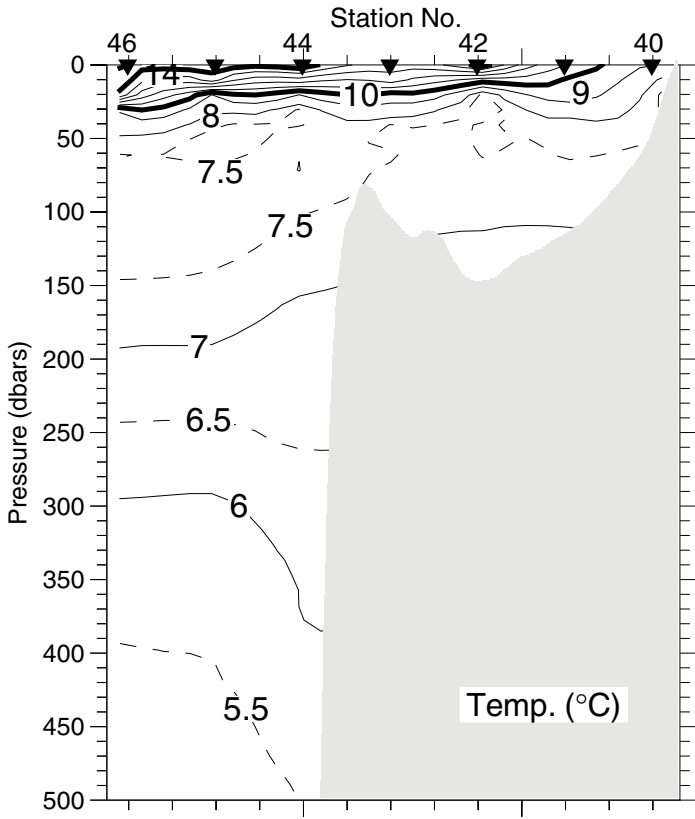
Heceta Head Hydrographic Line 44°00'N

9 April 2002



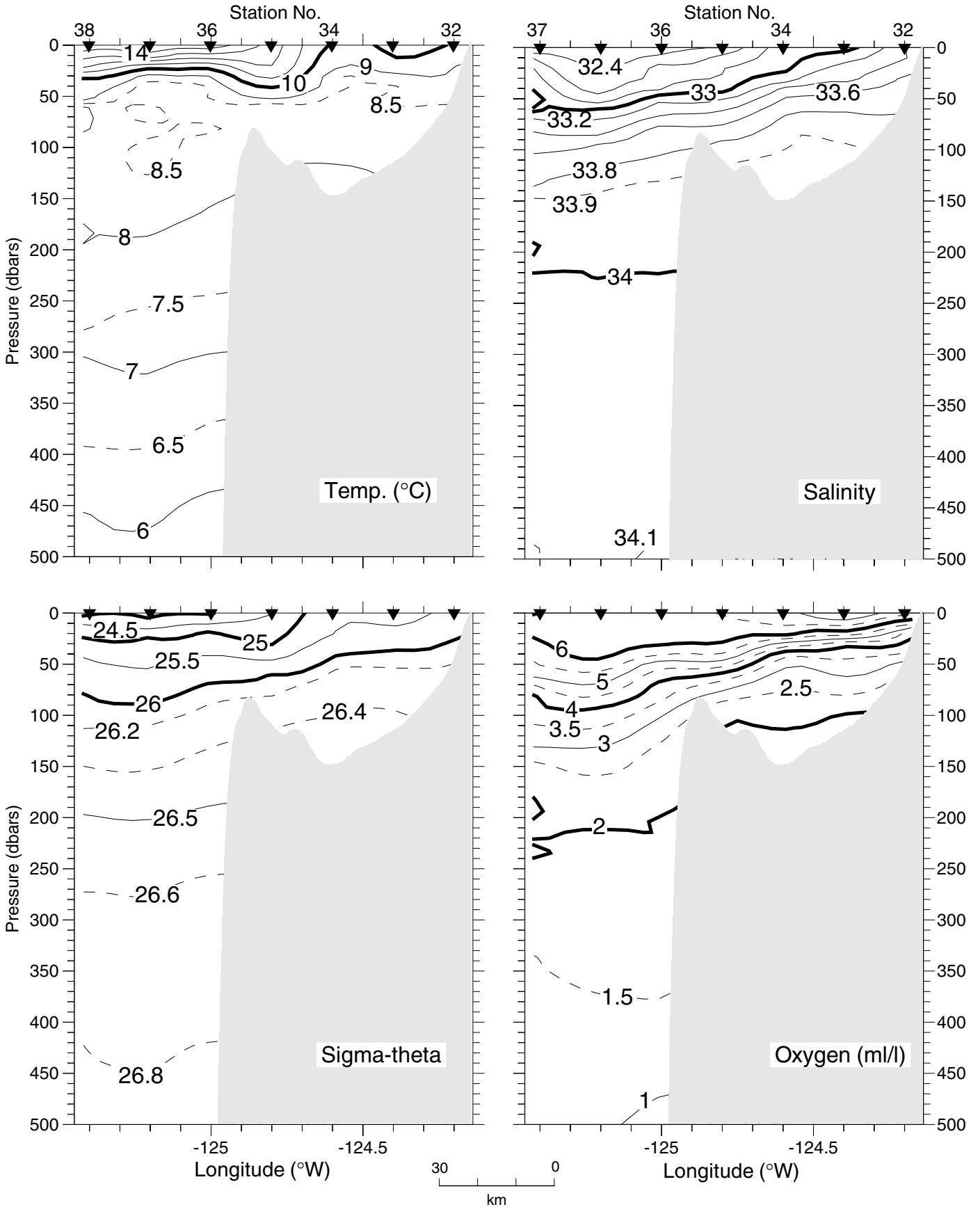
Heceta Head Hydrographic Line 44°00'N

14 July 2002



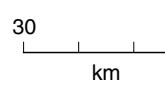
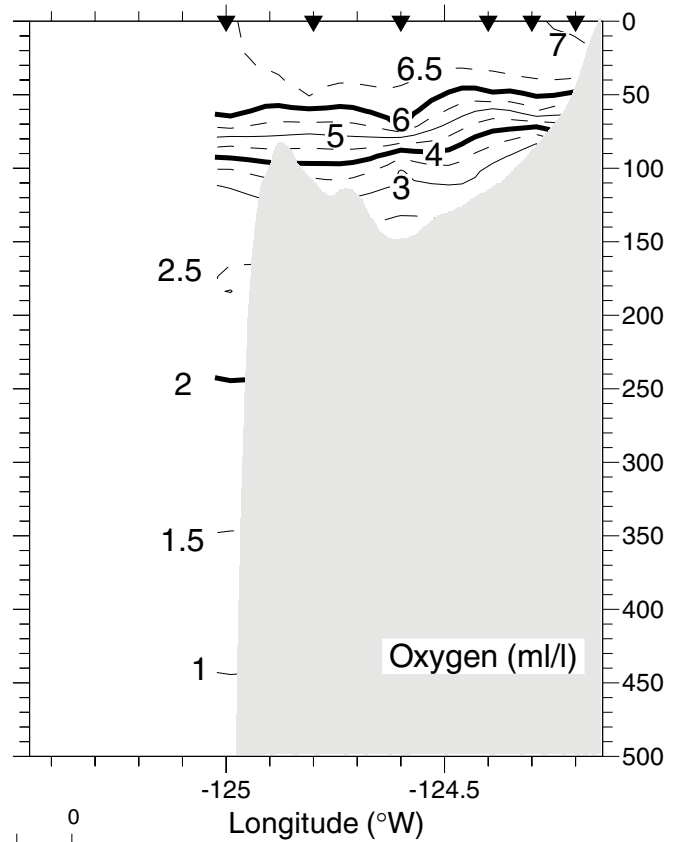
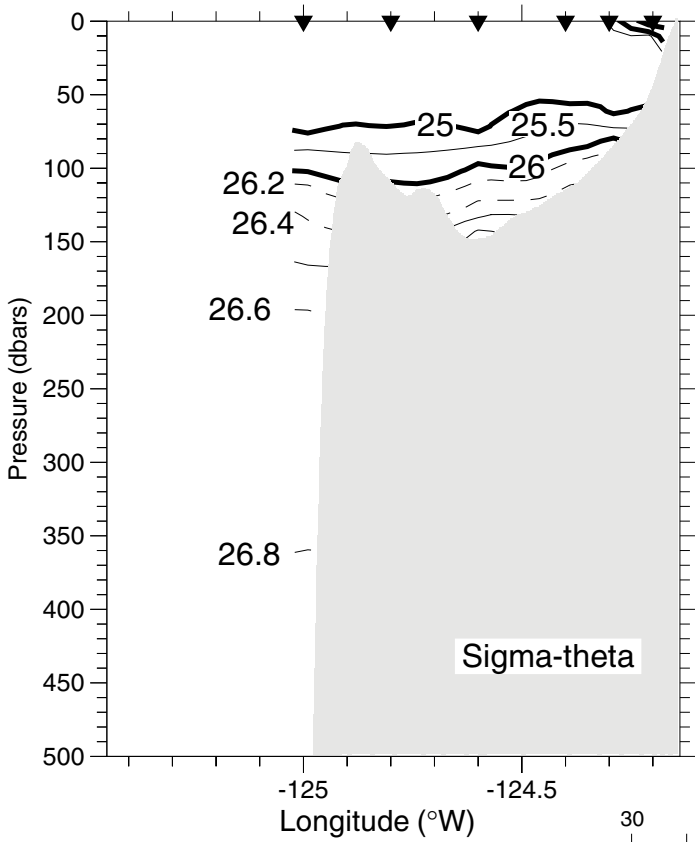
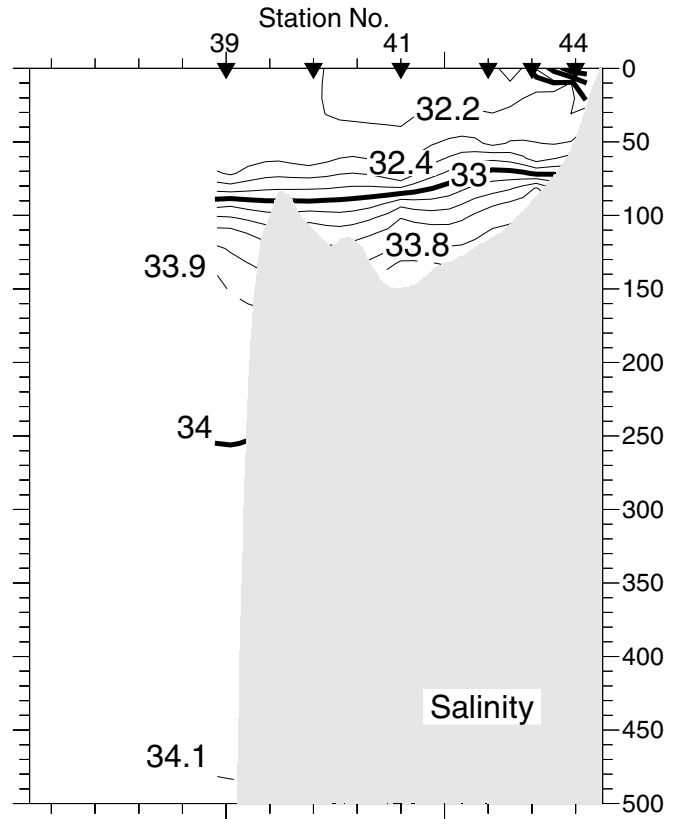
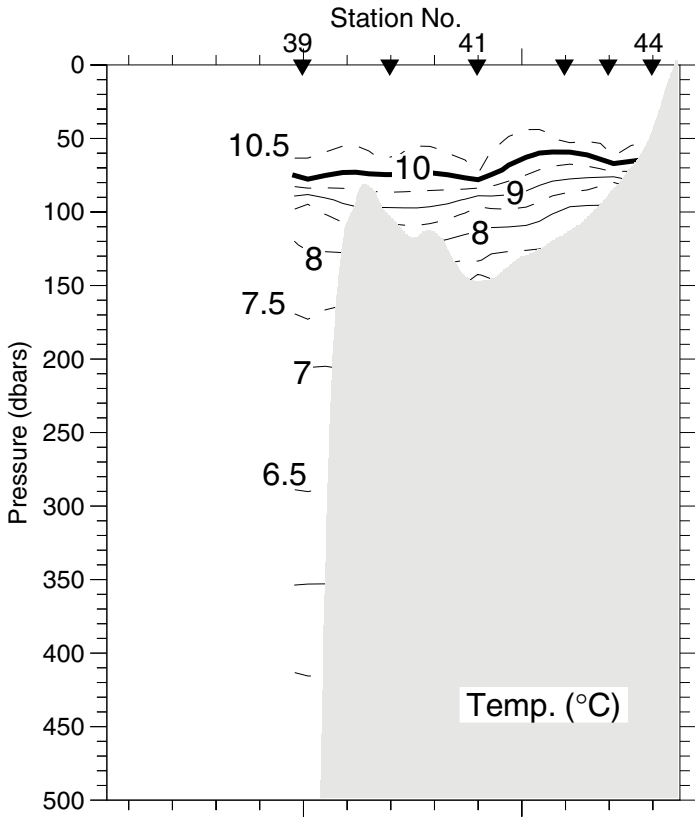
Heceta Head Hydrographic Line 44°00'N

2-3 October 2002



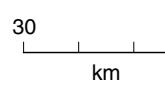
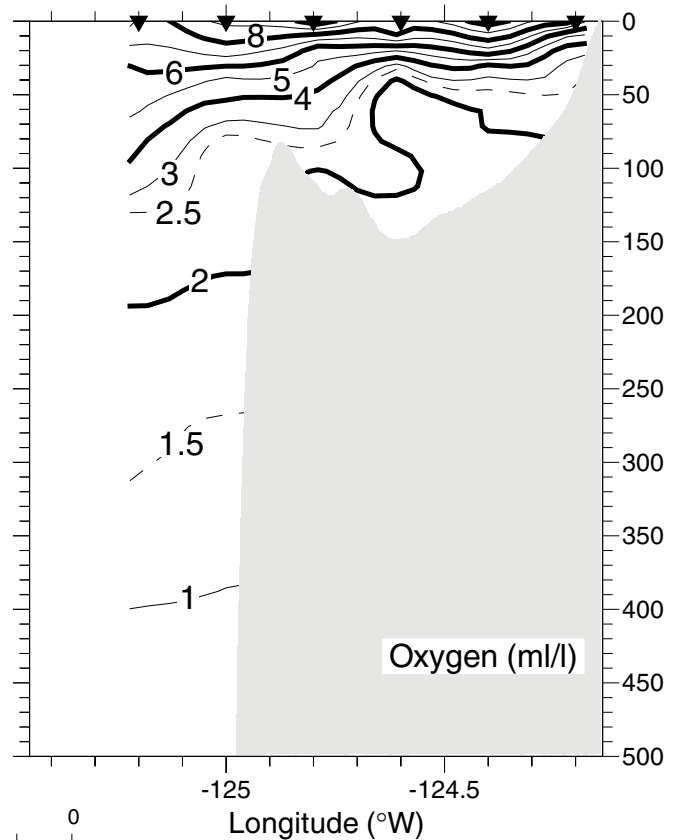
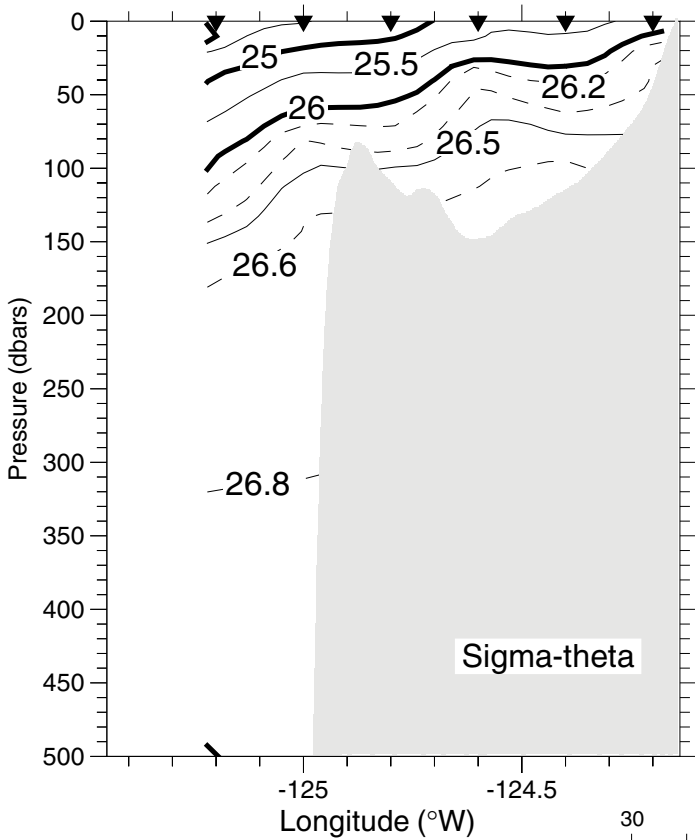
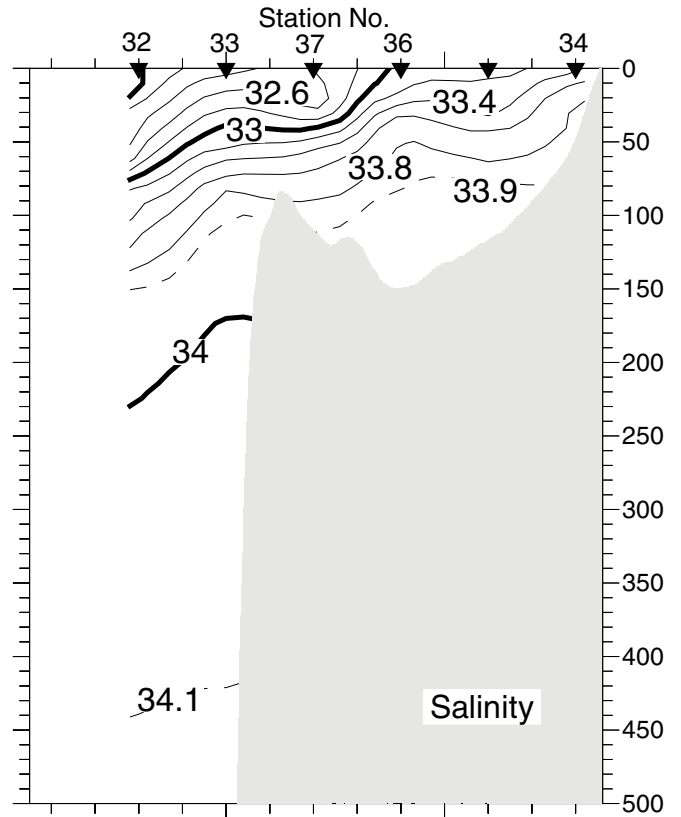
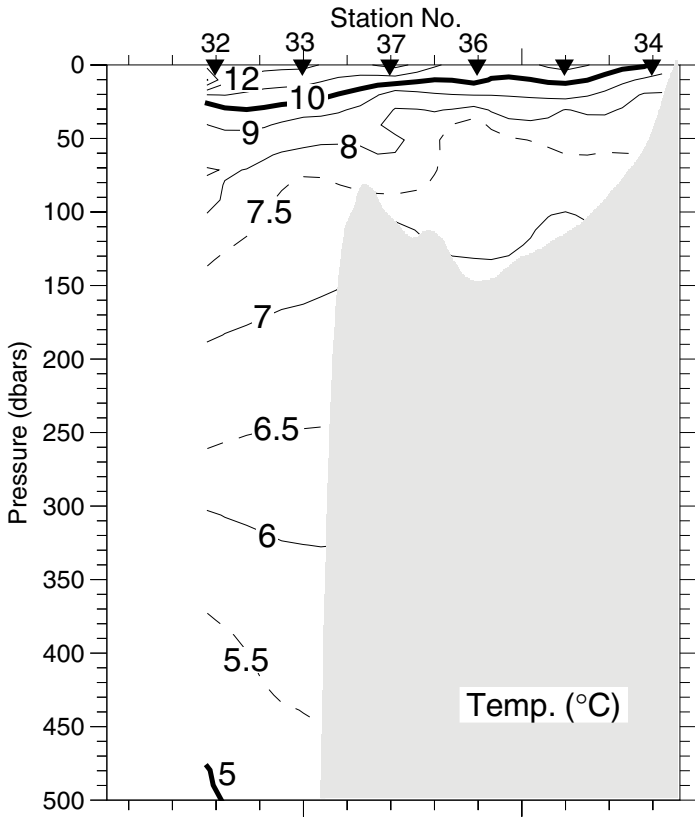
Heceta Head Hydrographic Line 44°00'N

6 April 2003



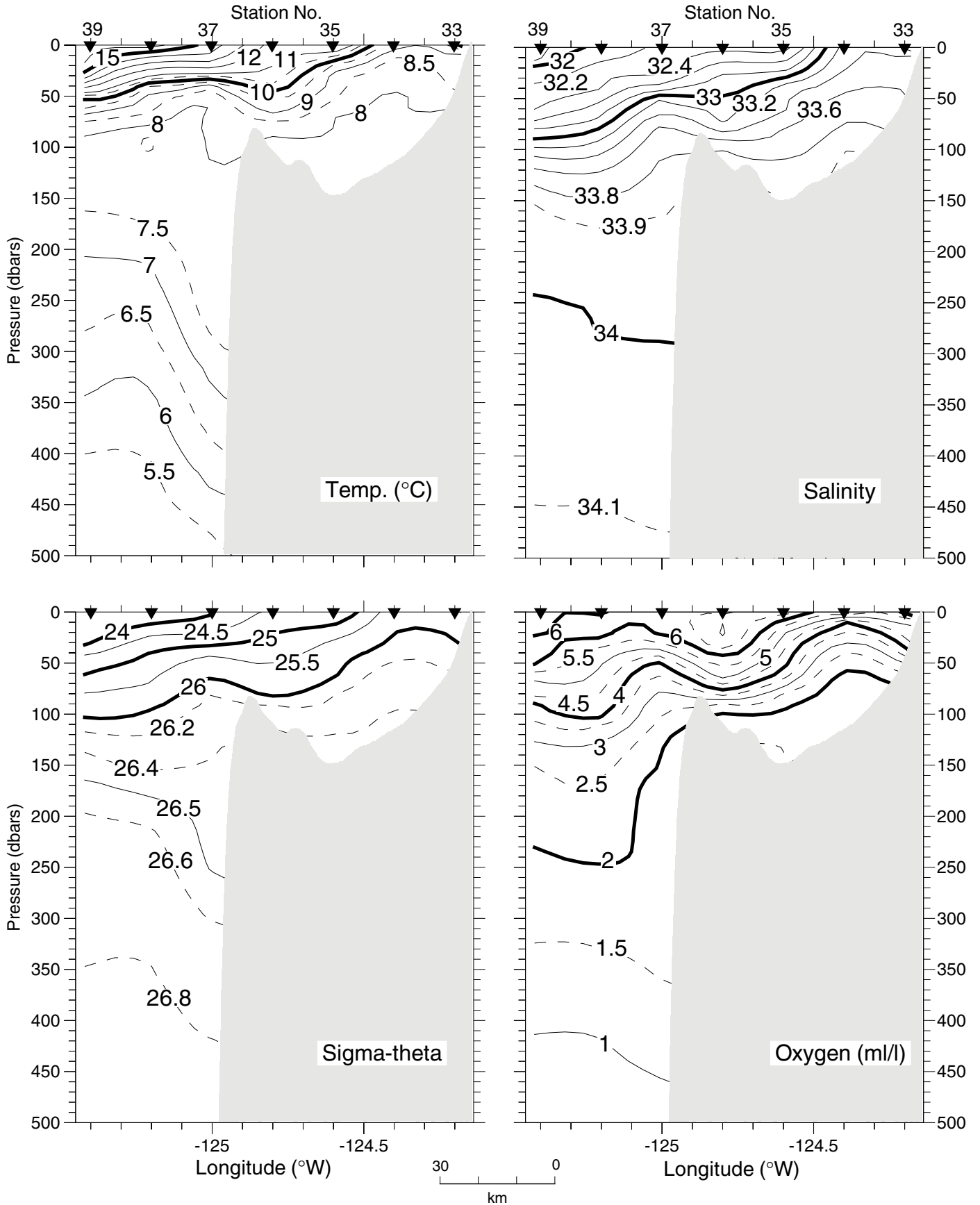
Heceta Head Hydrographic Line 44°00'N

7-8 July 2003



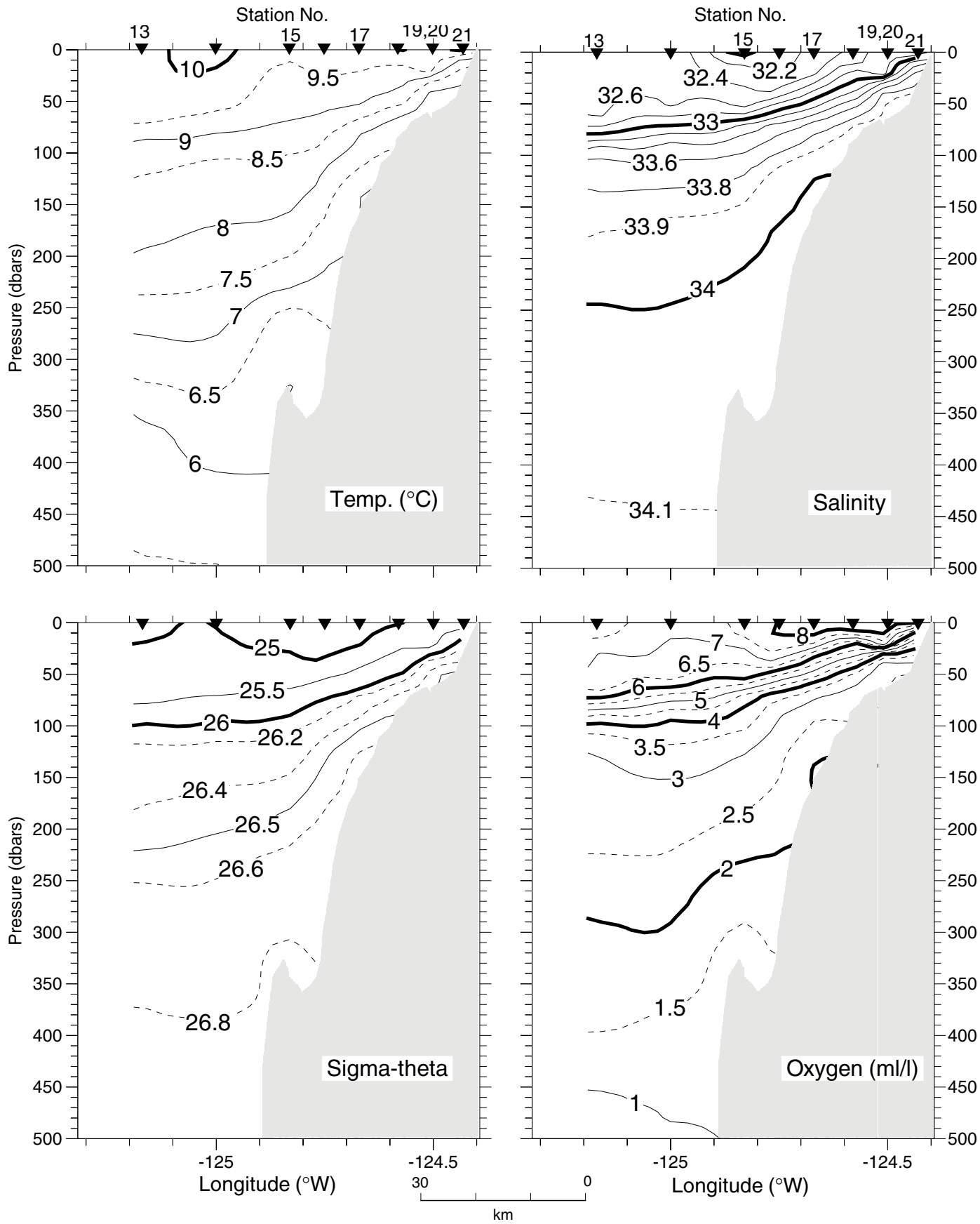
Heceta Head Hydrographic Line 44°00'N

30 Sept. - 1 Oct. 2003



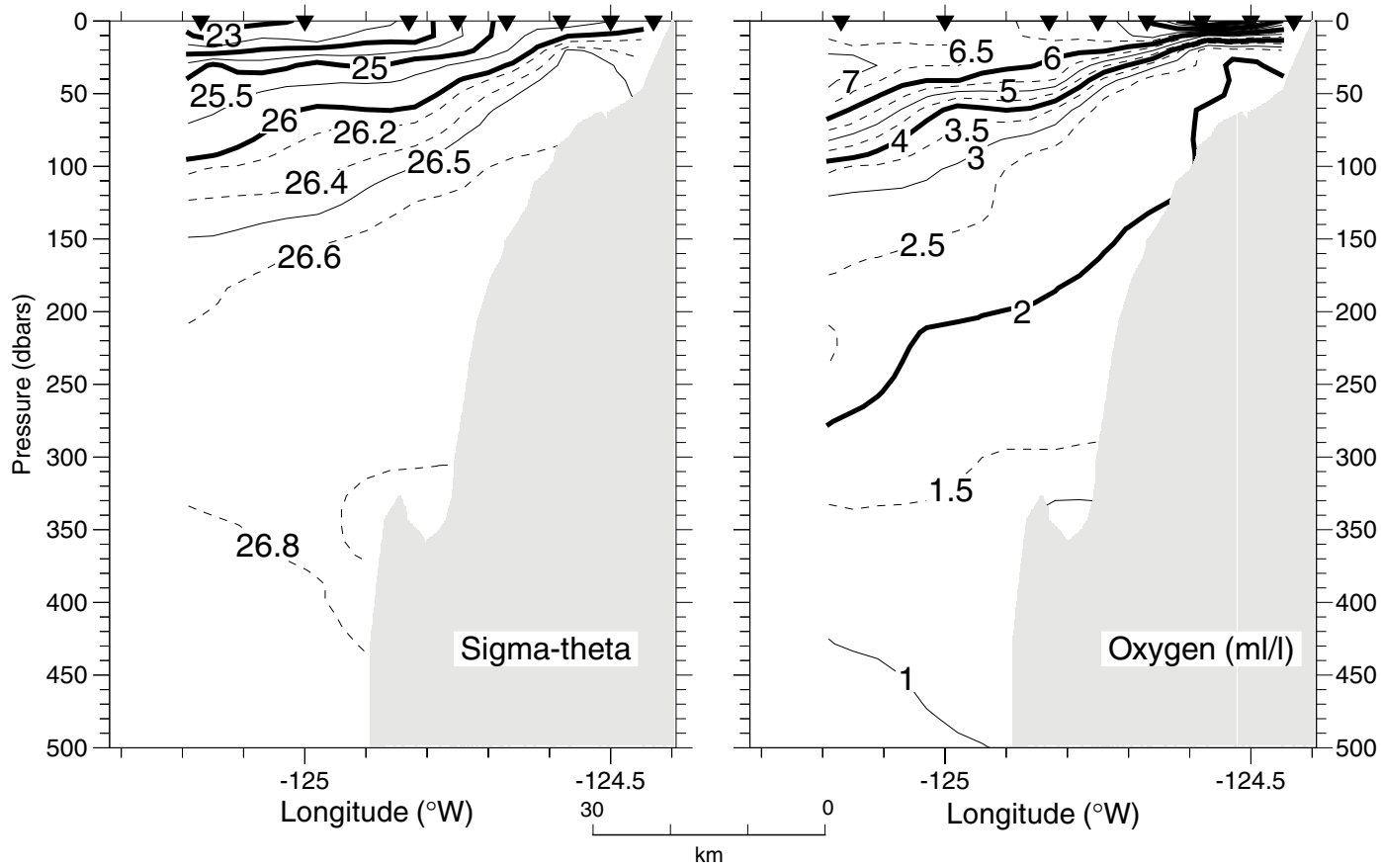
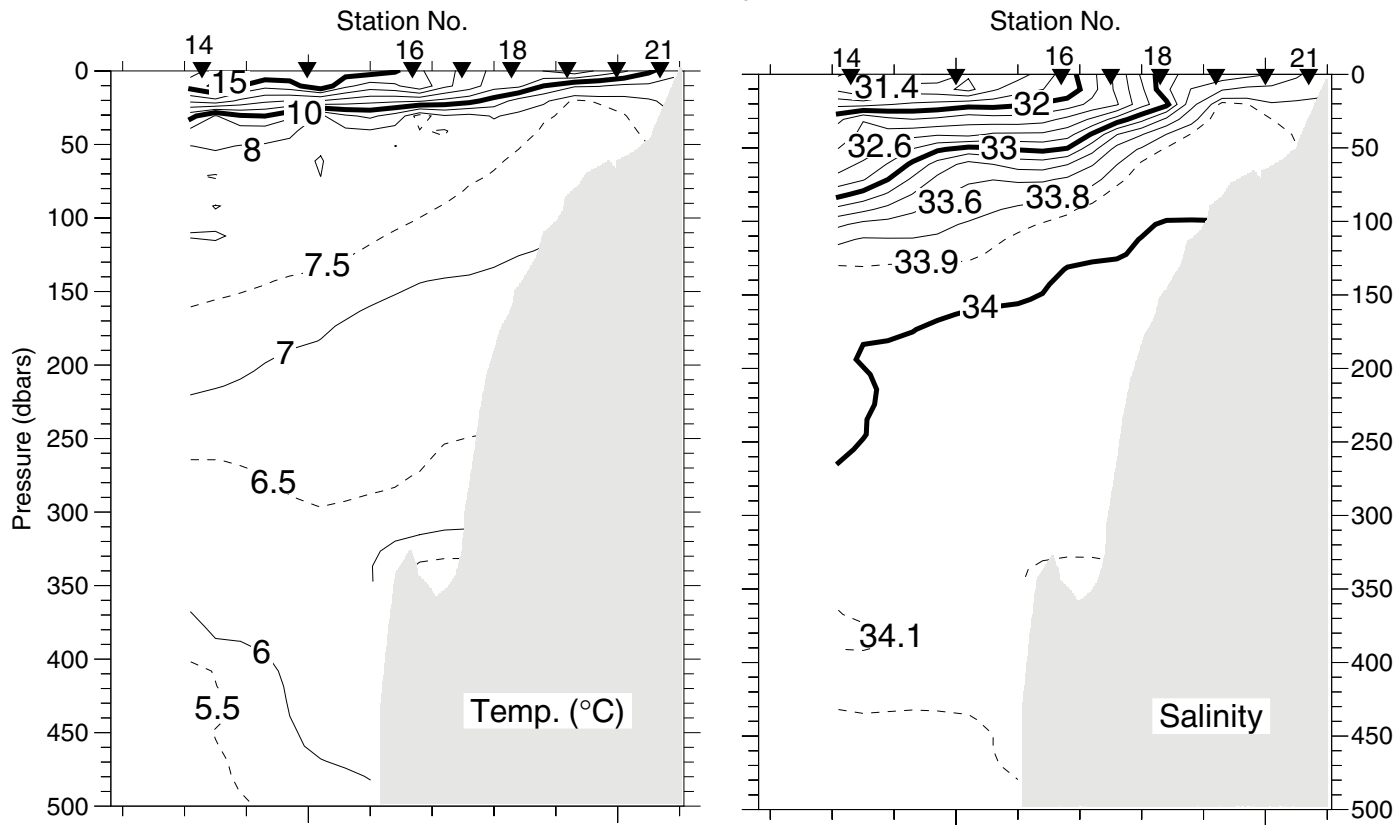
Five Mile Hydrographic Line 43°13'N

6-7 April 2002



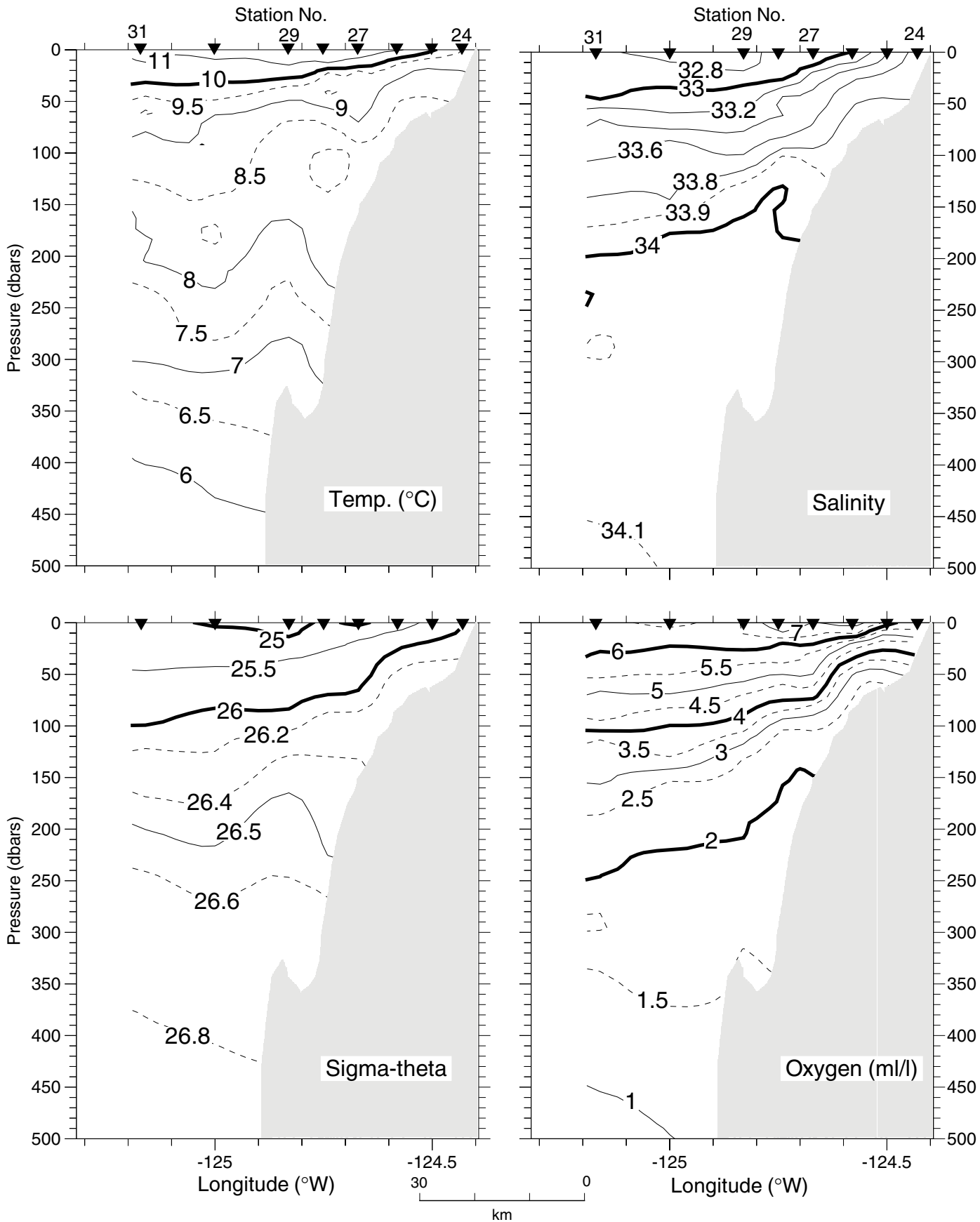
Five Mile Hydrographic Line 43°13'N

11-12 July 2002



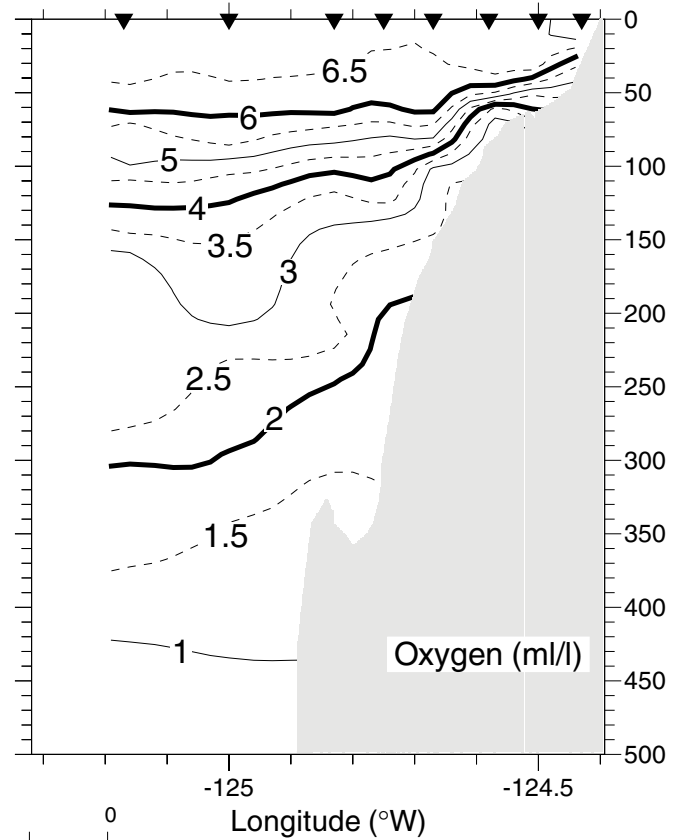
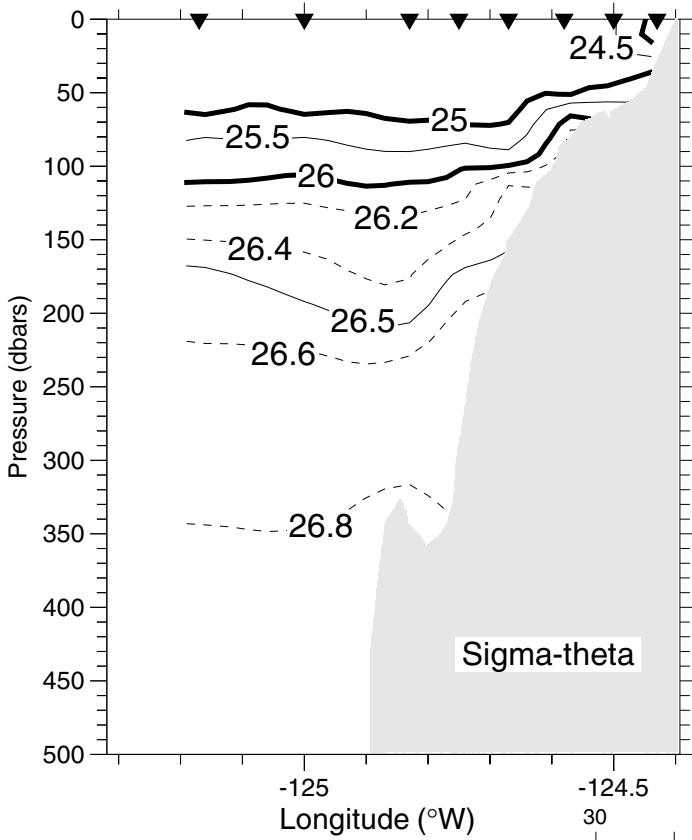
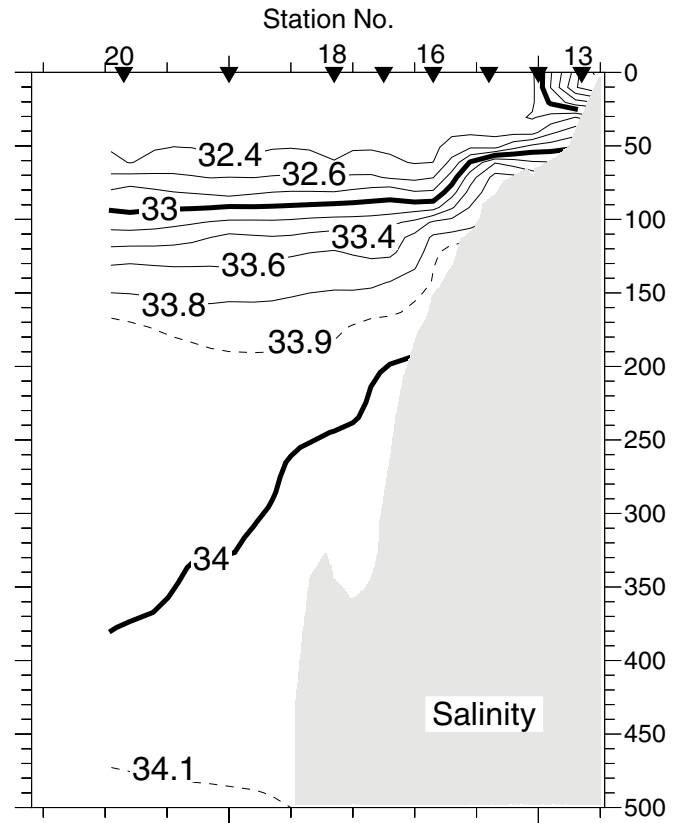
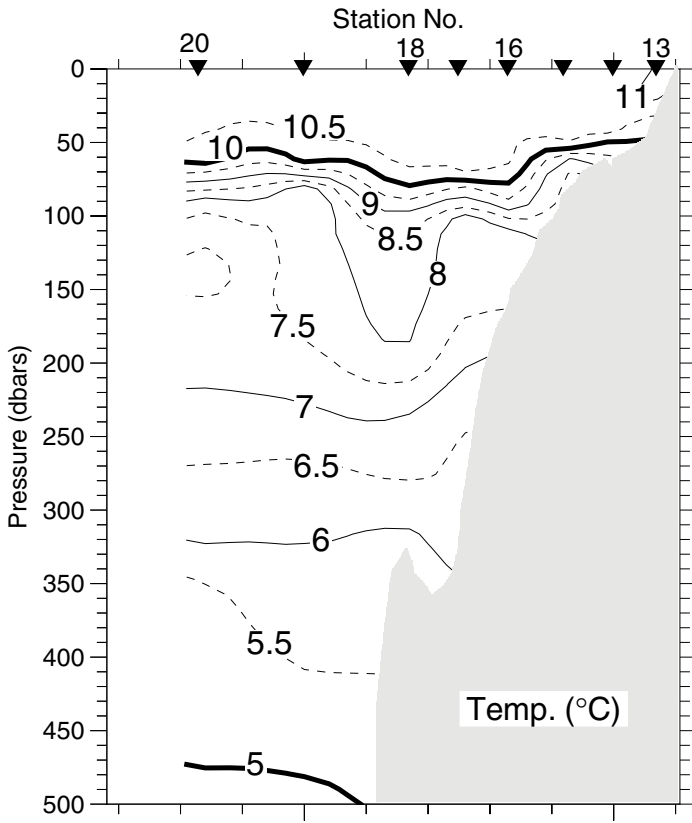
Five Mile Hydrographic Line 43°13'N

1-2 October 2002



Five Mile Hydrographic Line 43°13'N

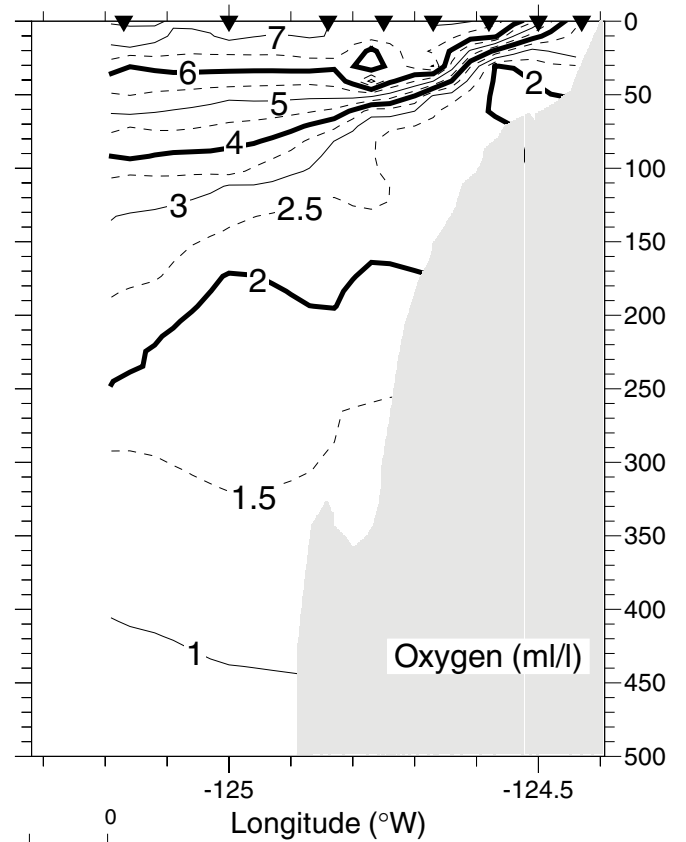
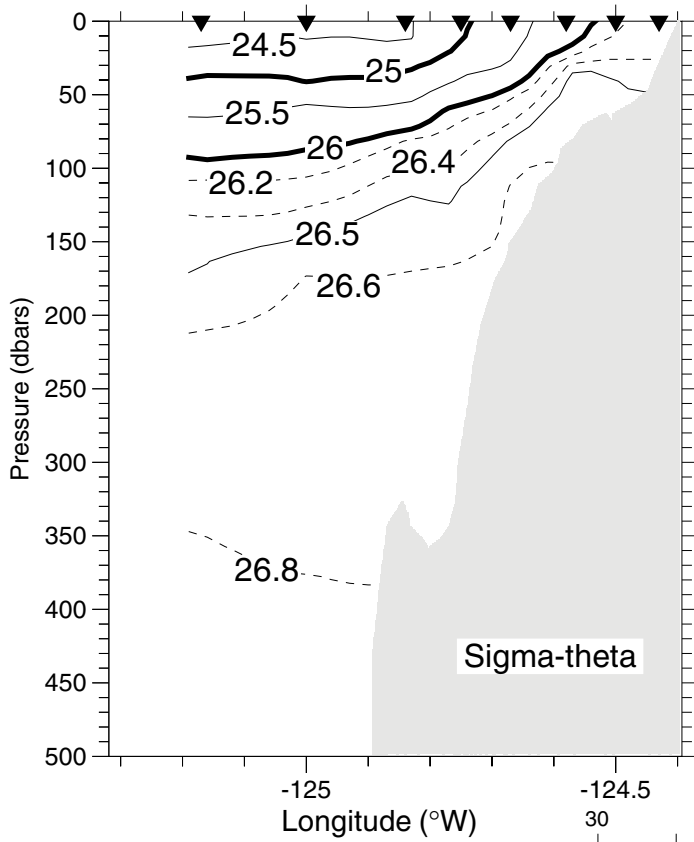
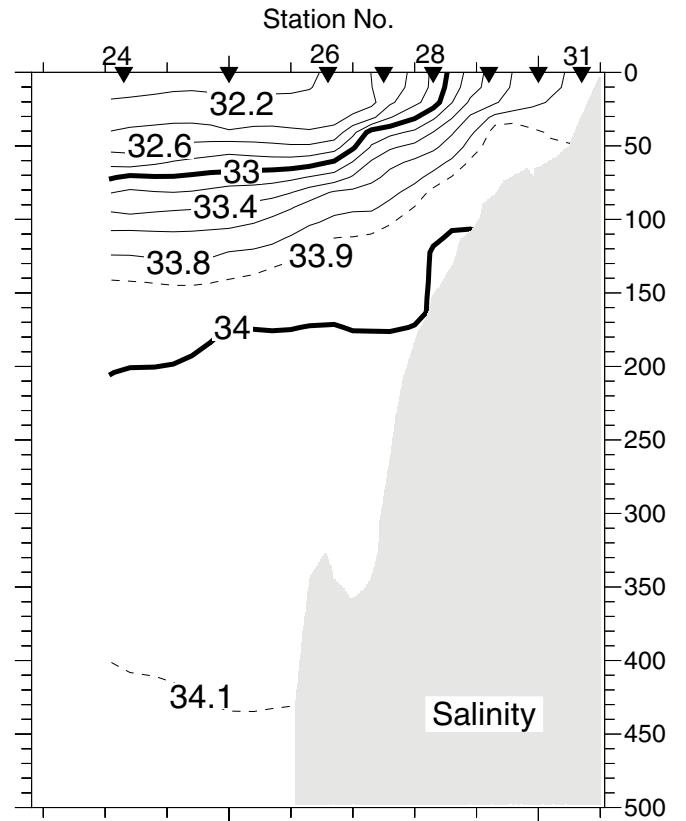
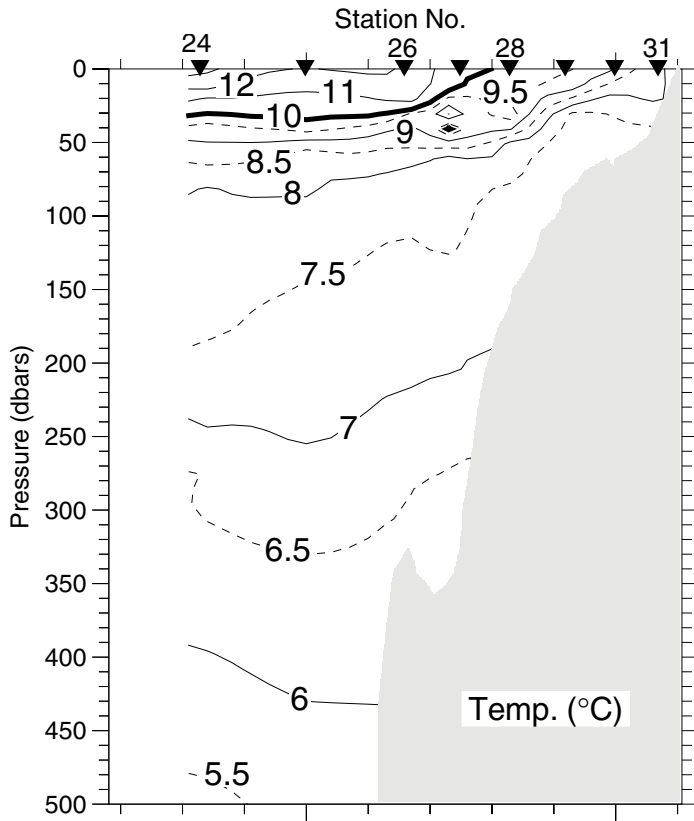
3-4 April 2003



km

Five Mile Hydrographic Line 43°13'N

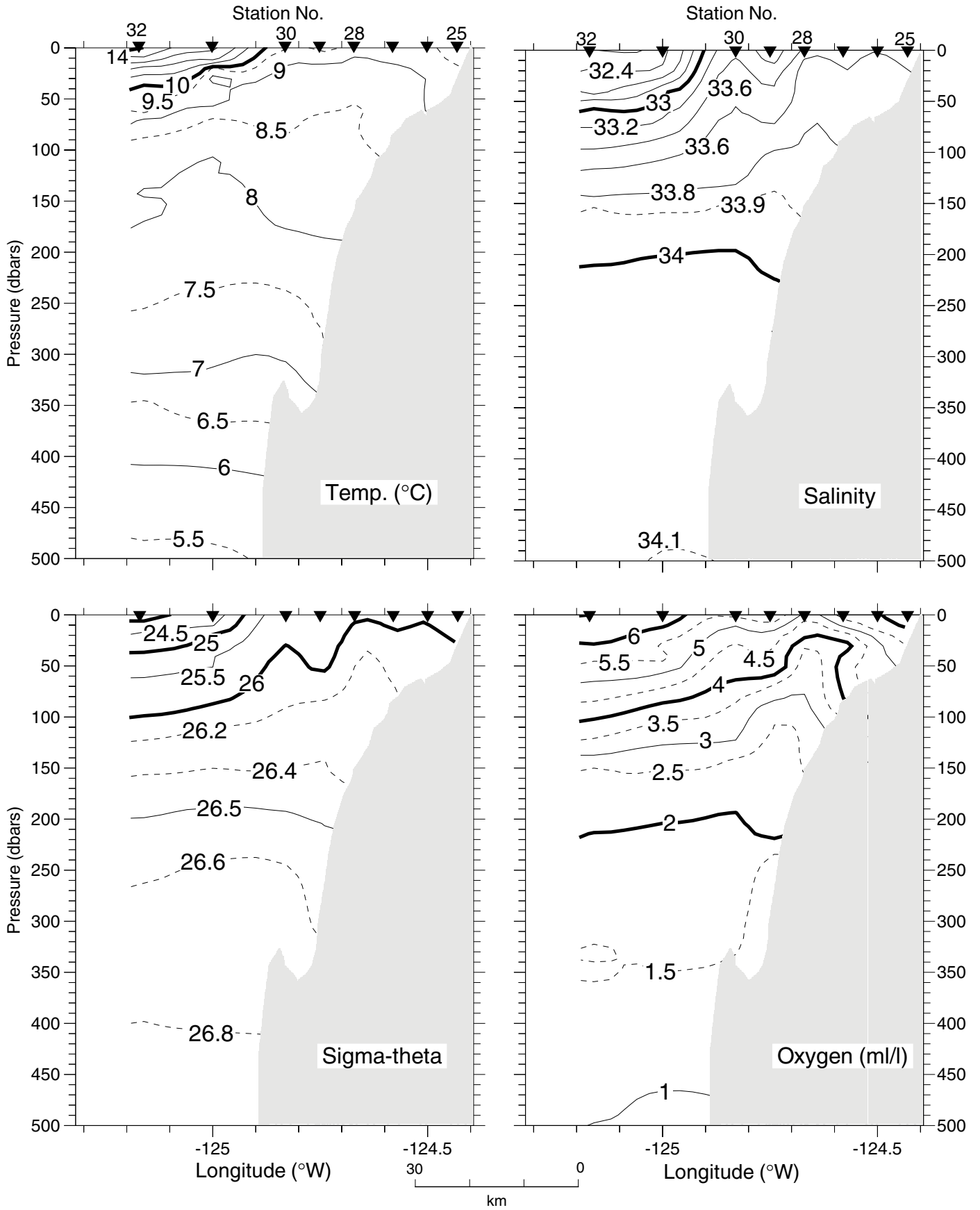
6 July 2003



km

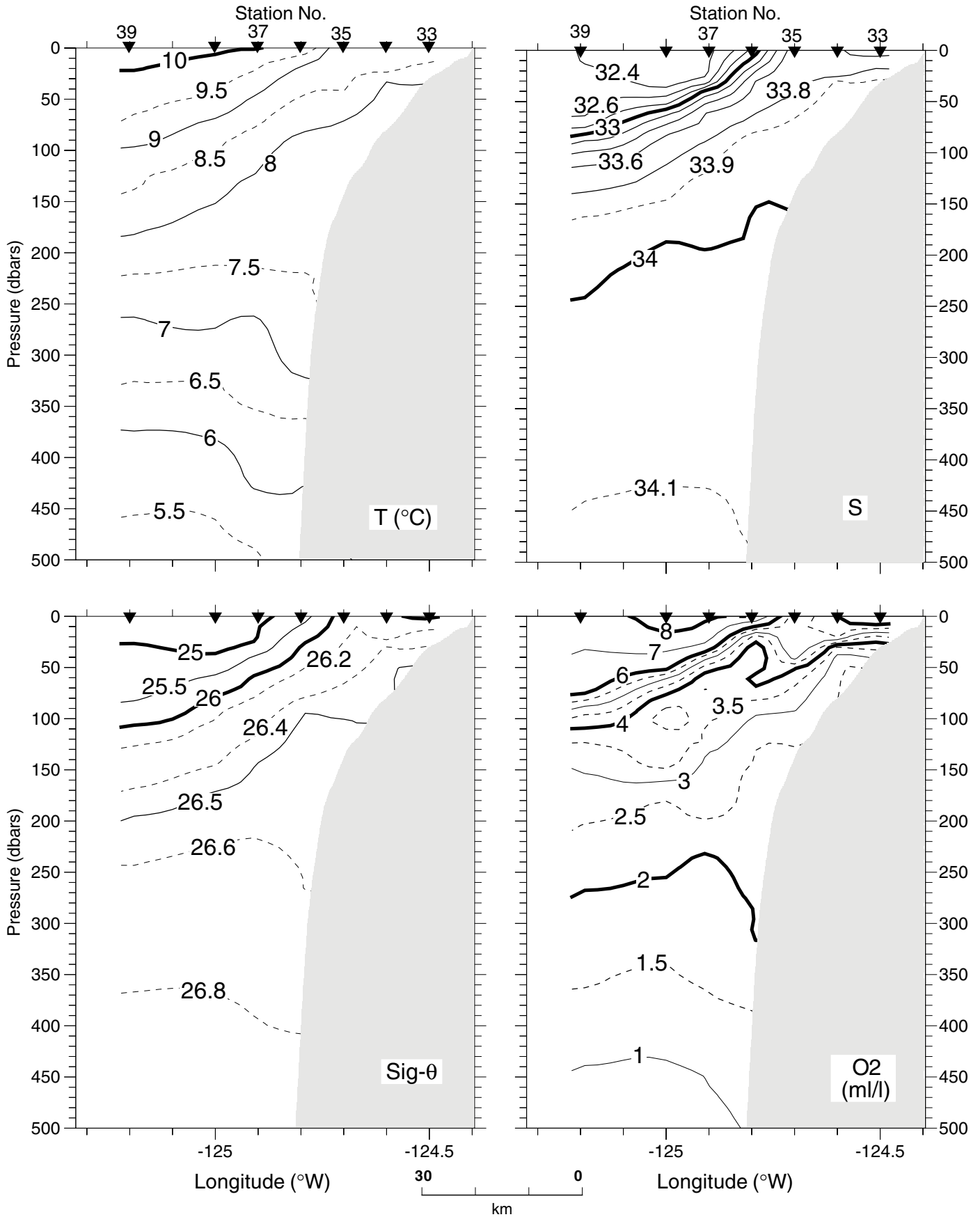
Five Mile Hydrographic Line 43°13'N

29-30 September 2003



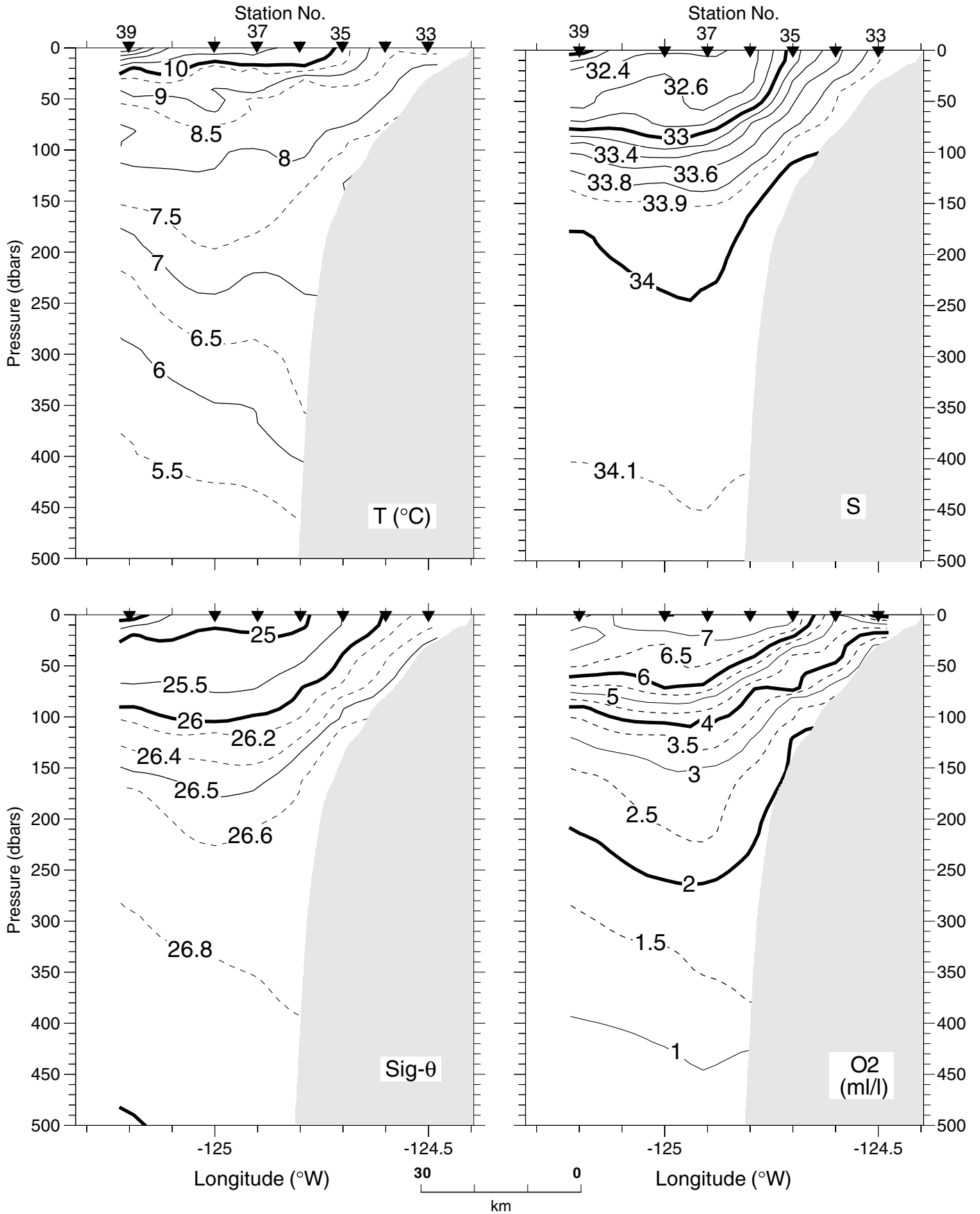
Rogue River Hydrographic Line 42°30'N

8-9 April 2002



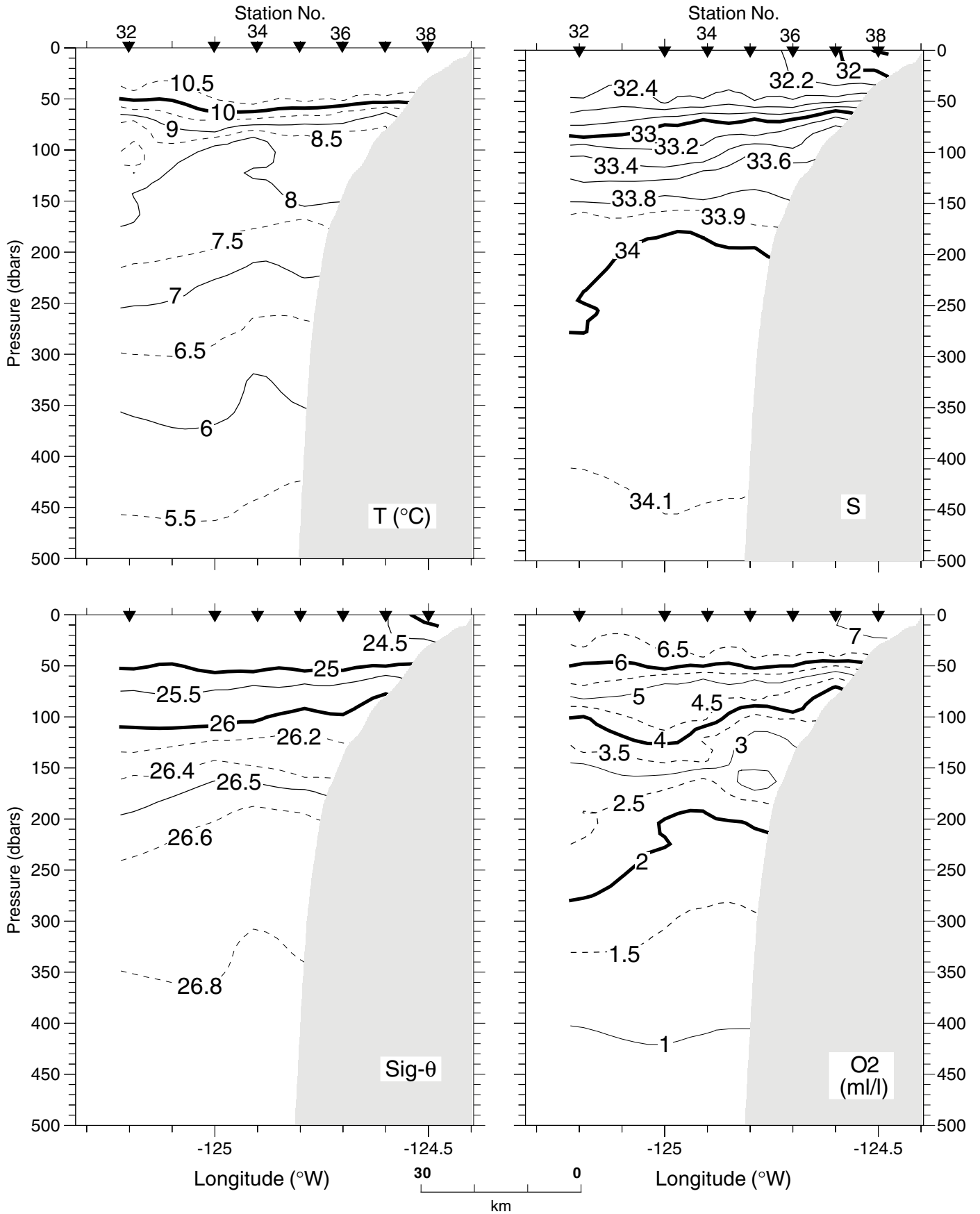
Rogue River Hydrographic Line 42°30'N

13-14 July 2002



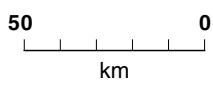
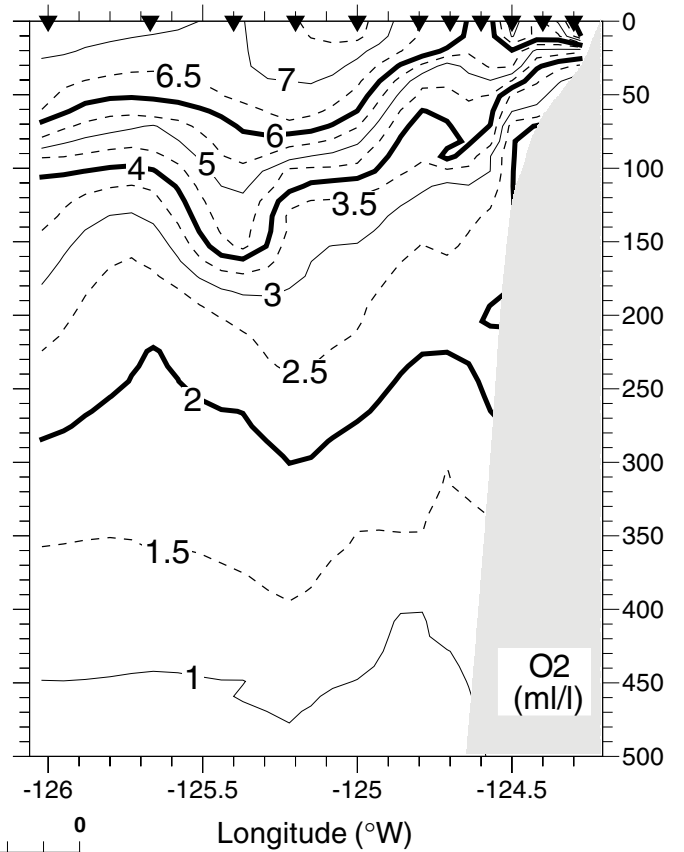
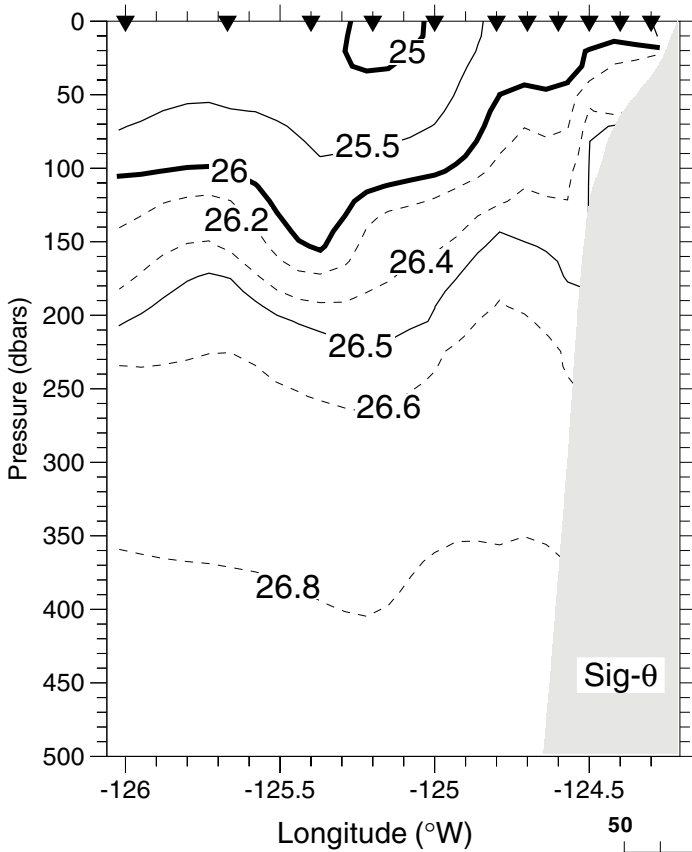
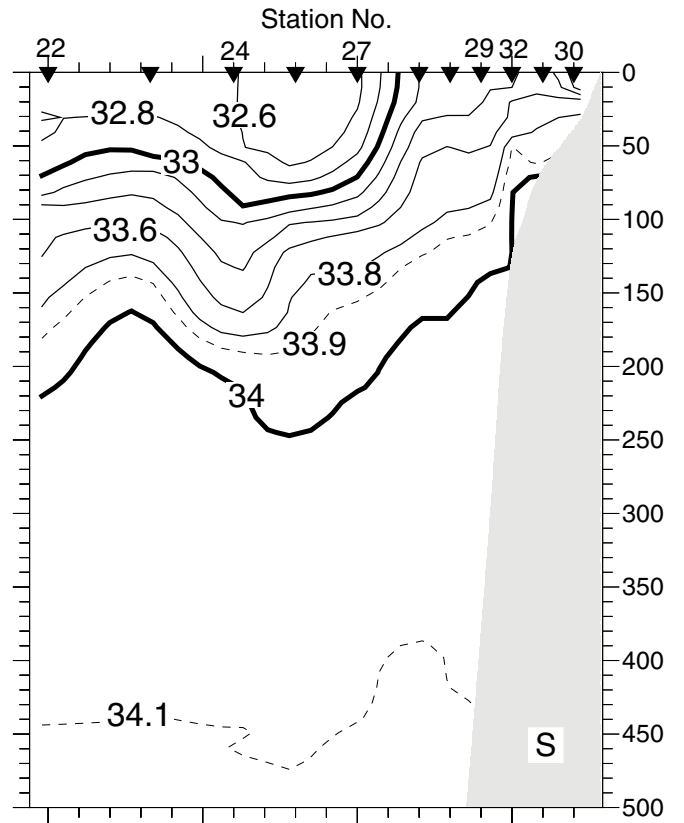
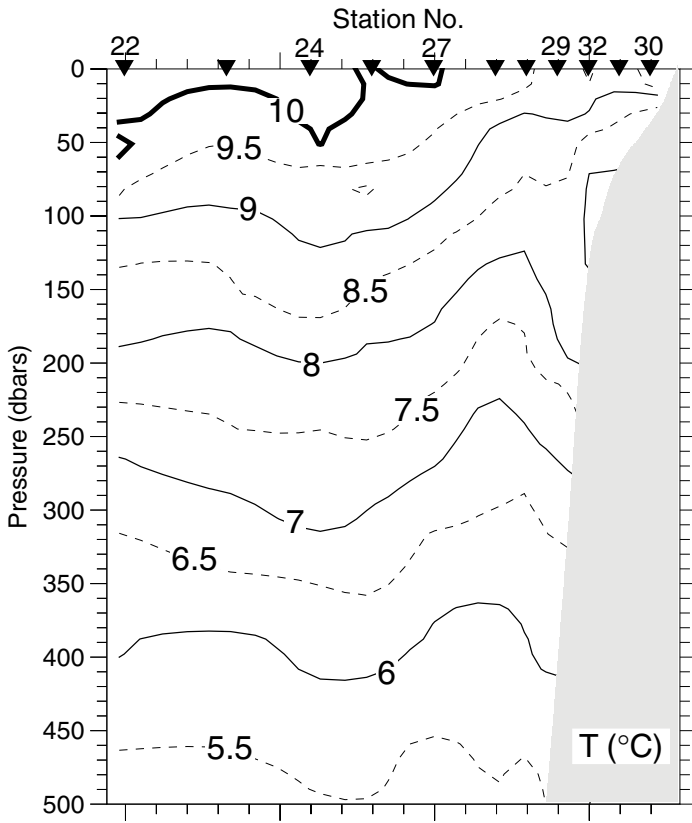
Rogue River Hydrographic Line 42°30'N

5-6 April 2003



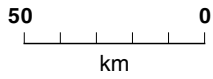
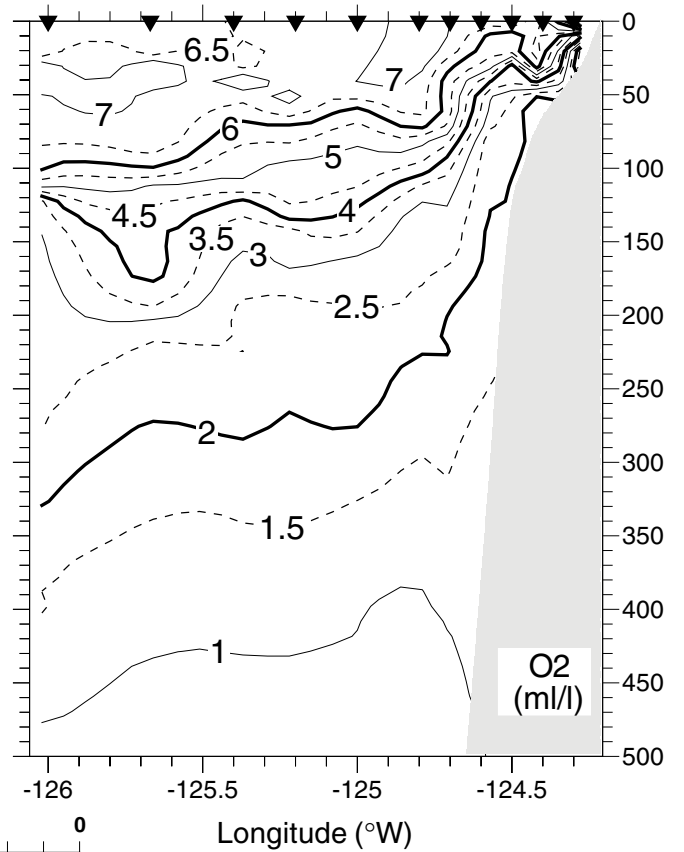
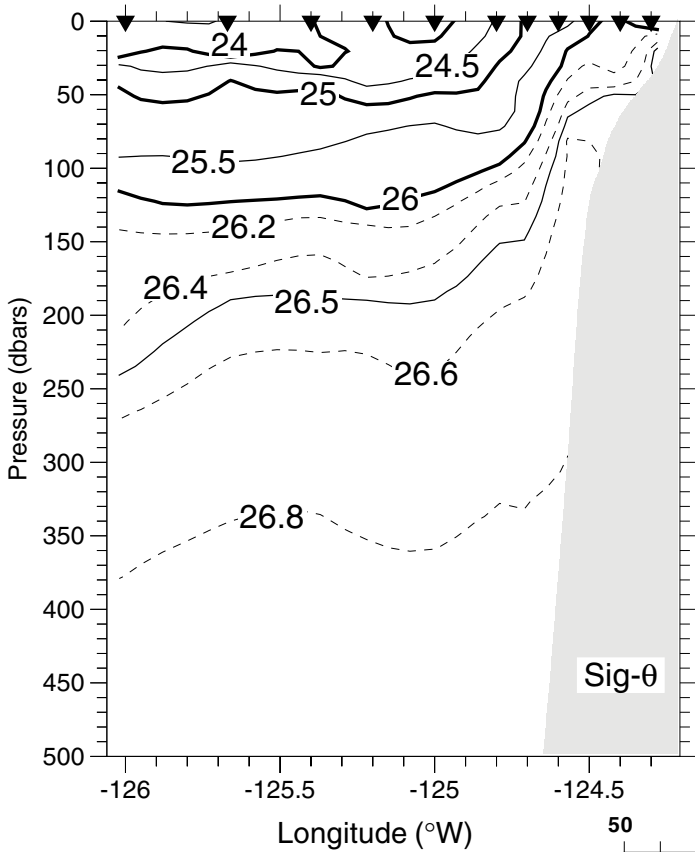
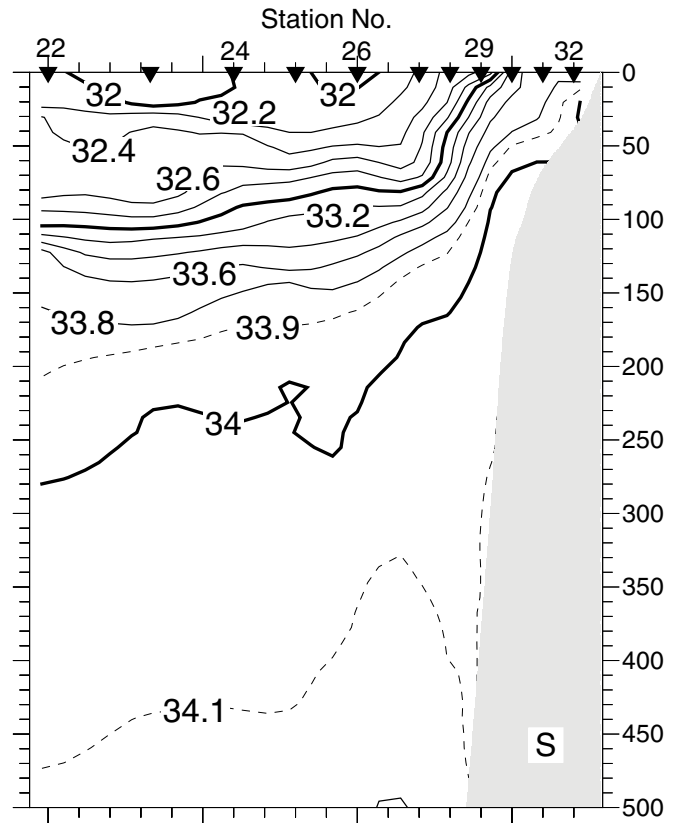
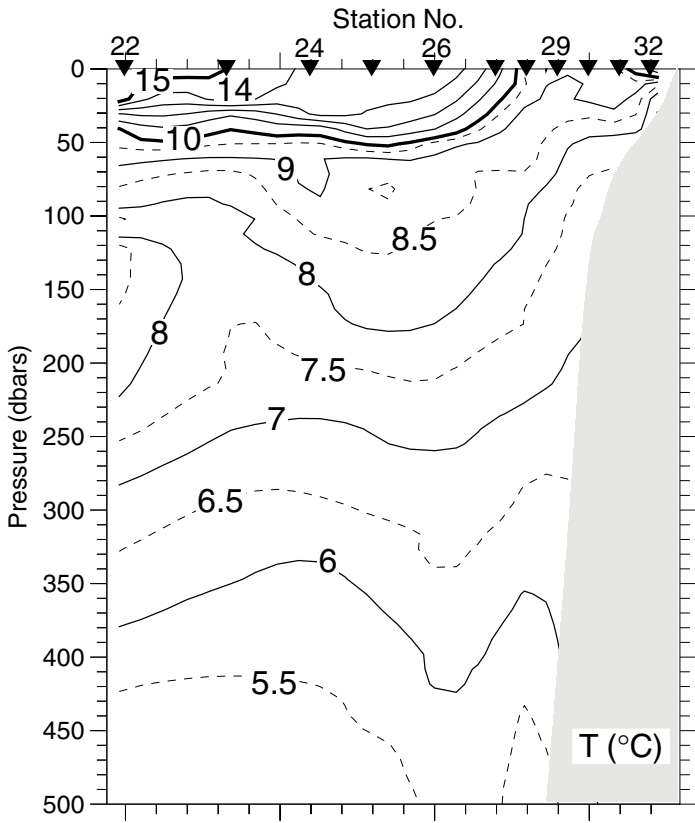
Crescent City Hydrographic Line 41°54'N

7-8 April 2002



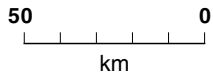
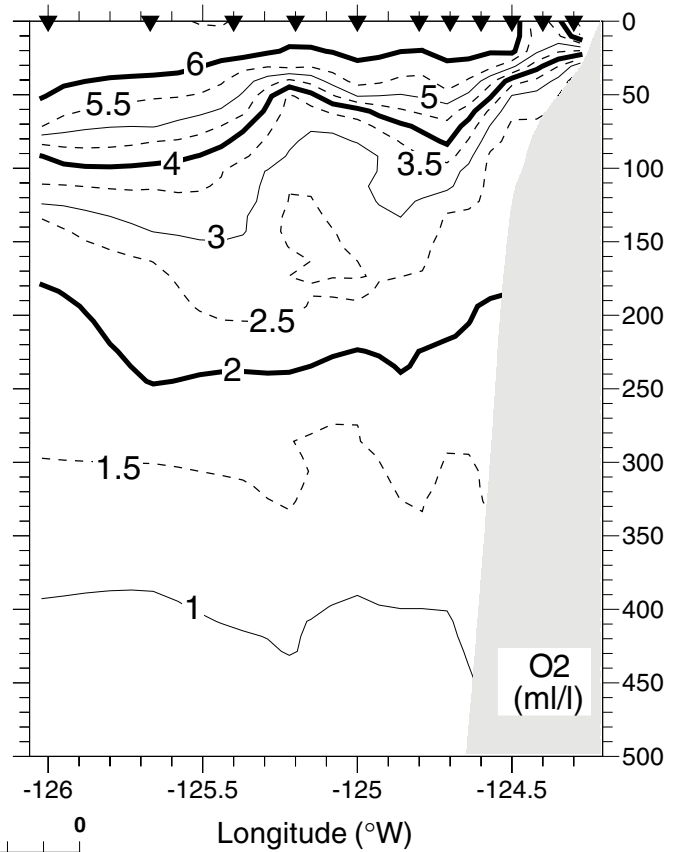
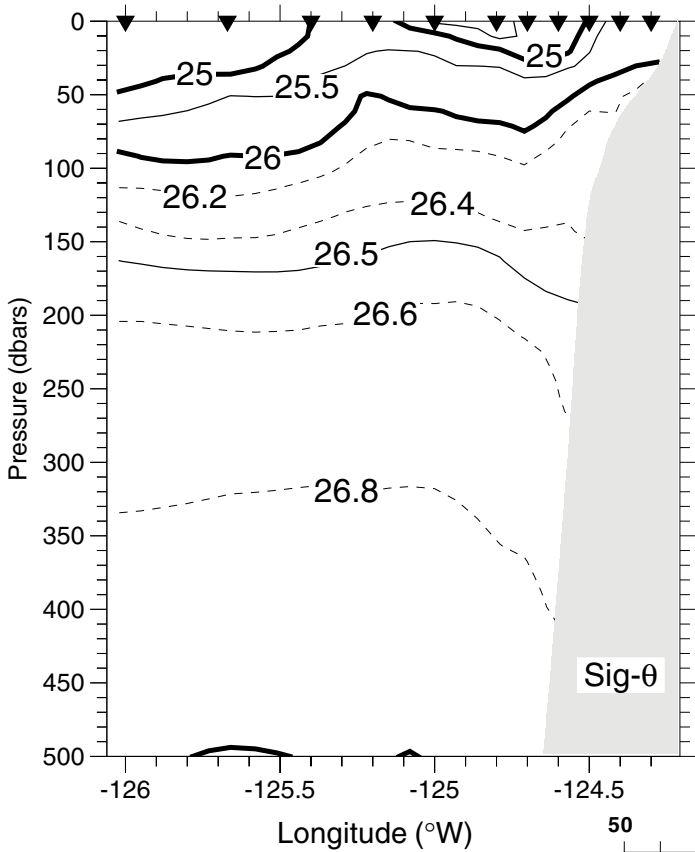
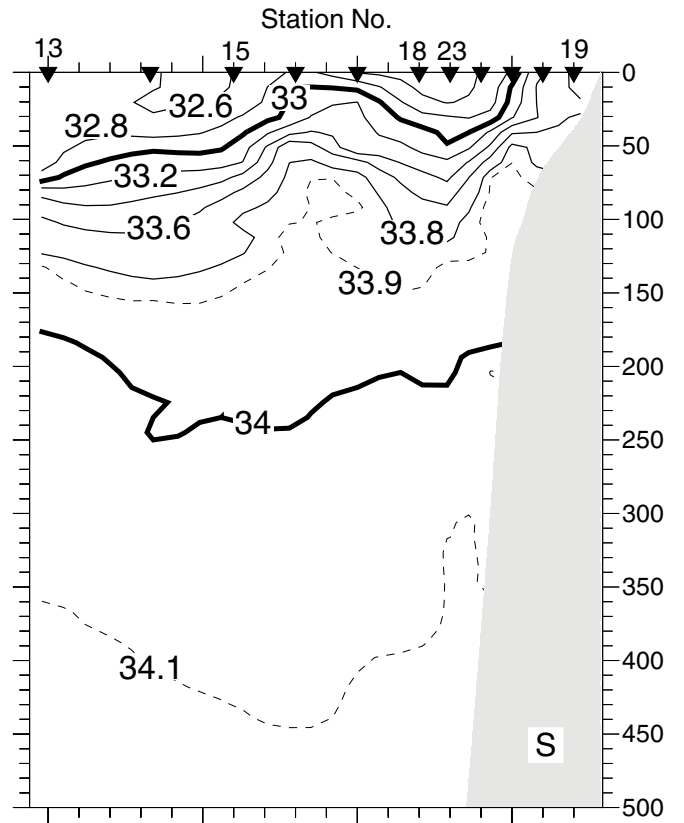
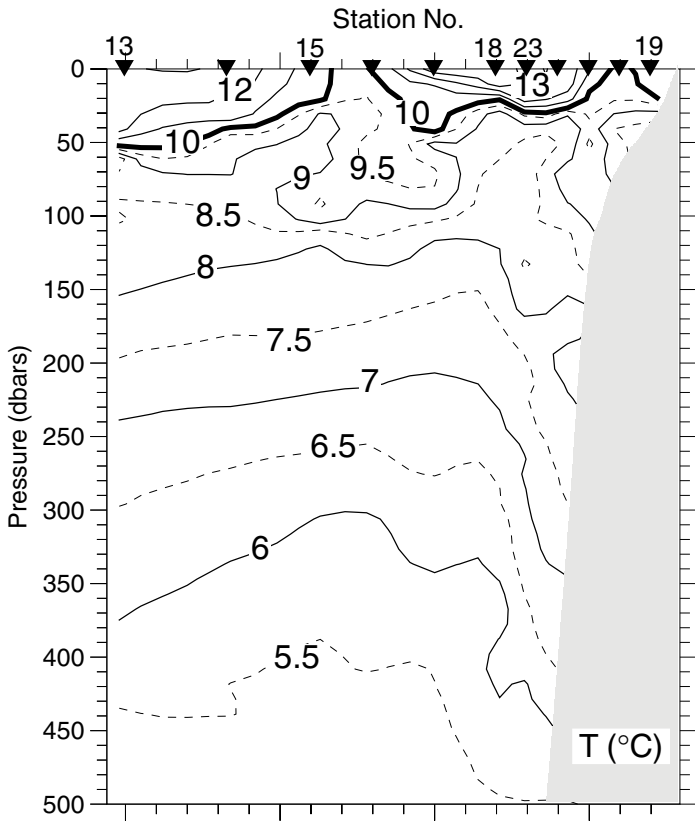
Crescent City Hydrographic Line 41°54'N

12-13 July 2002



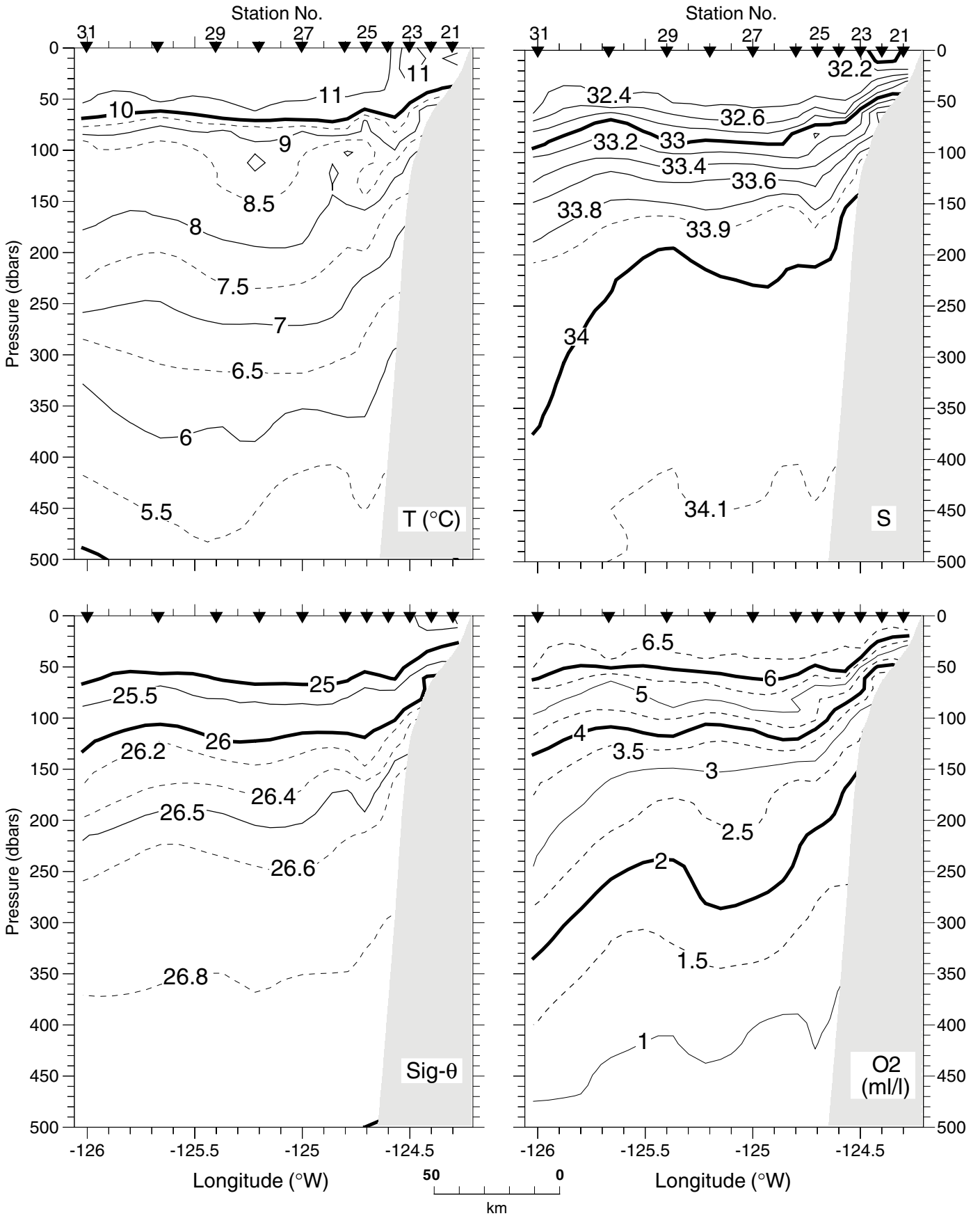
Crescent City Hydrographic Line 41°54'N

30 Sept. - 1 Oct. 2002



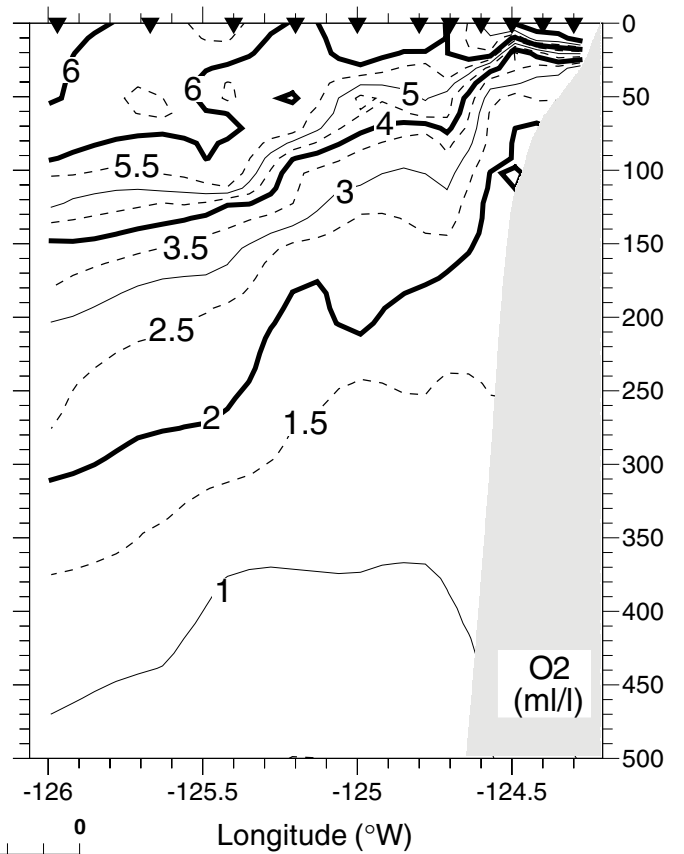
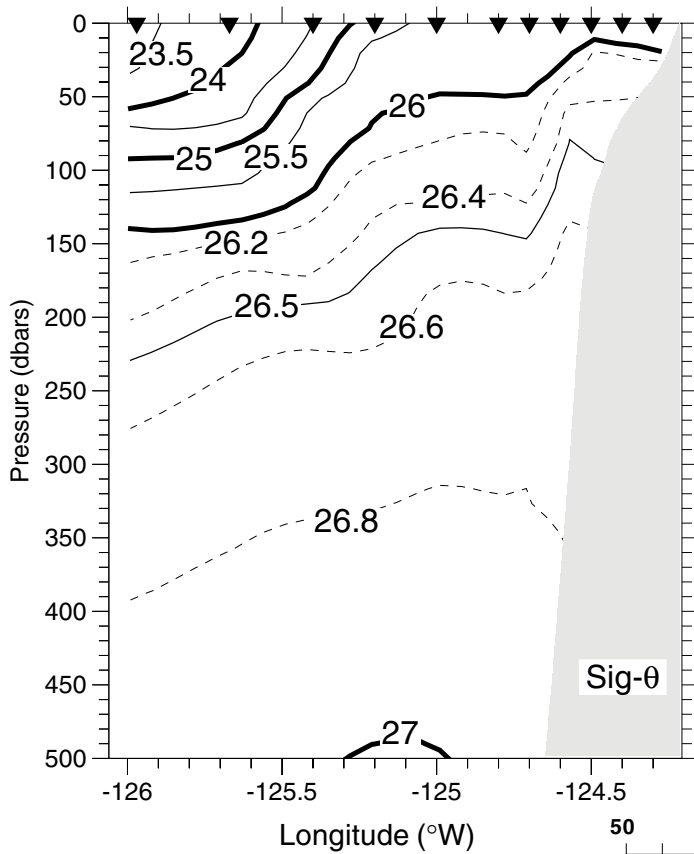
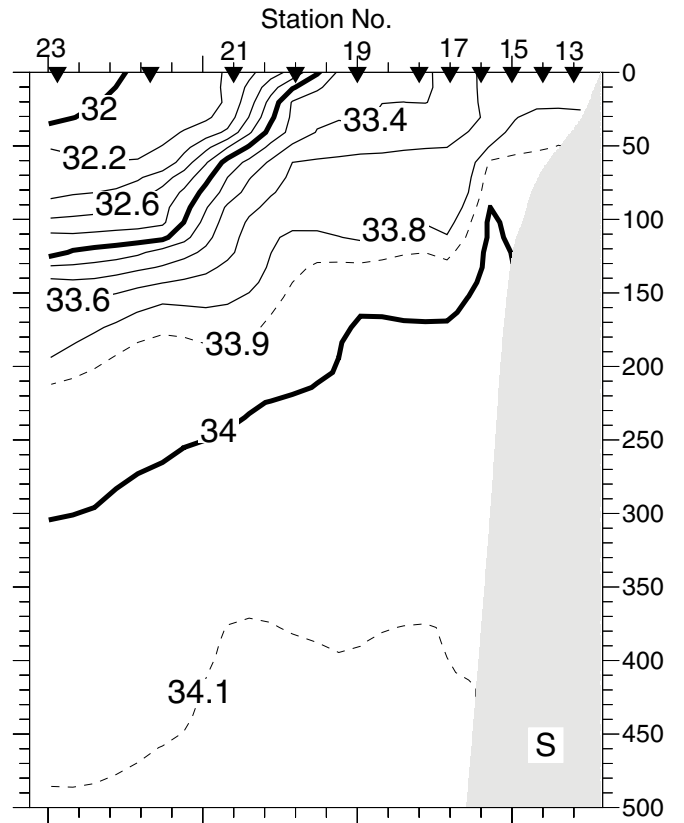
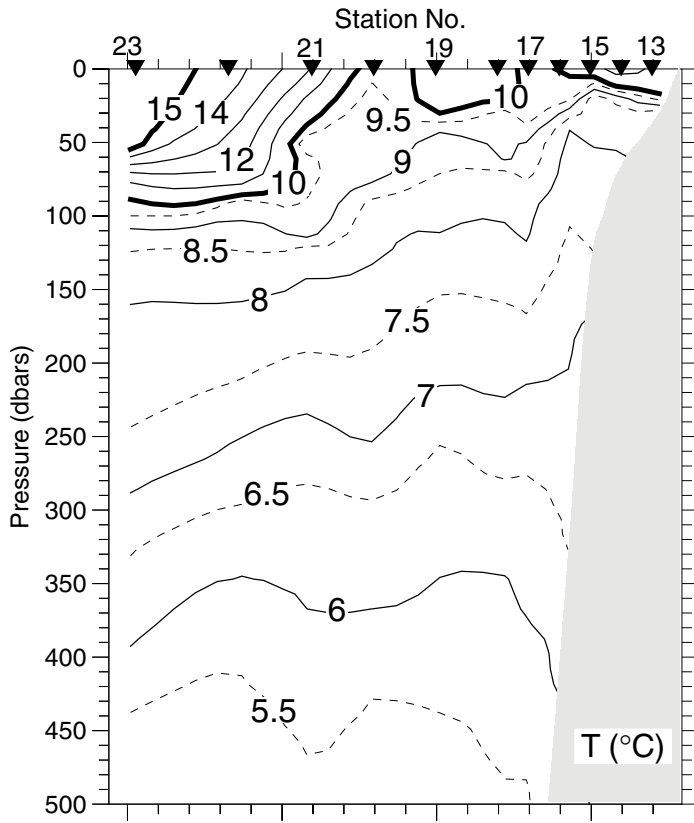
Crescent City Hydrographic Line 41°54'N

4-5 April 2003

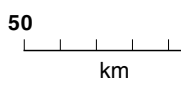
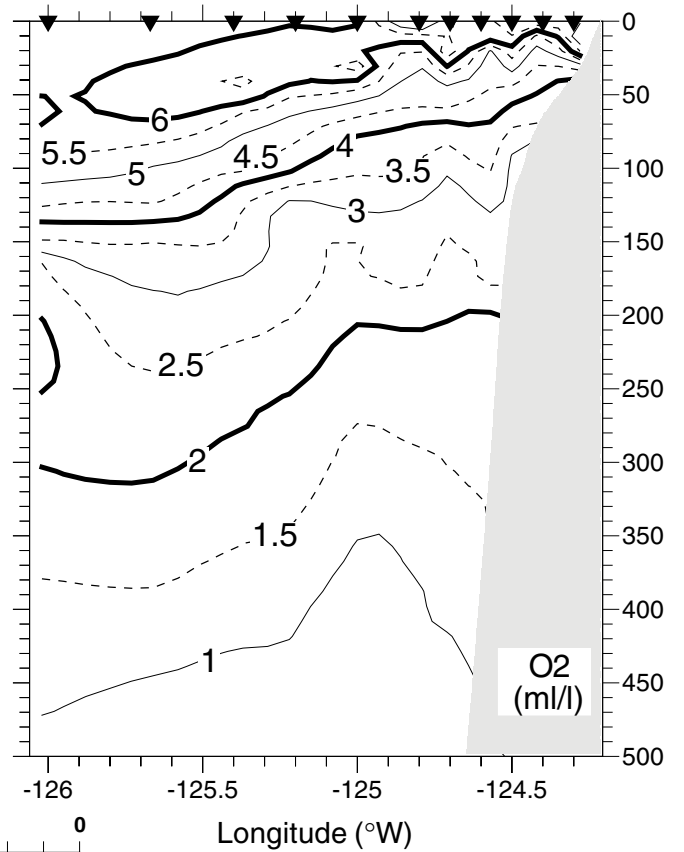
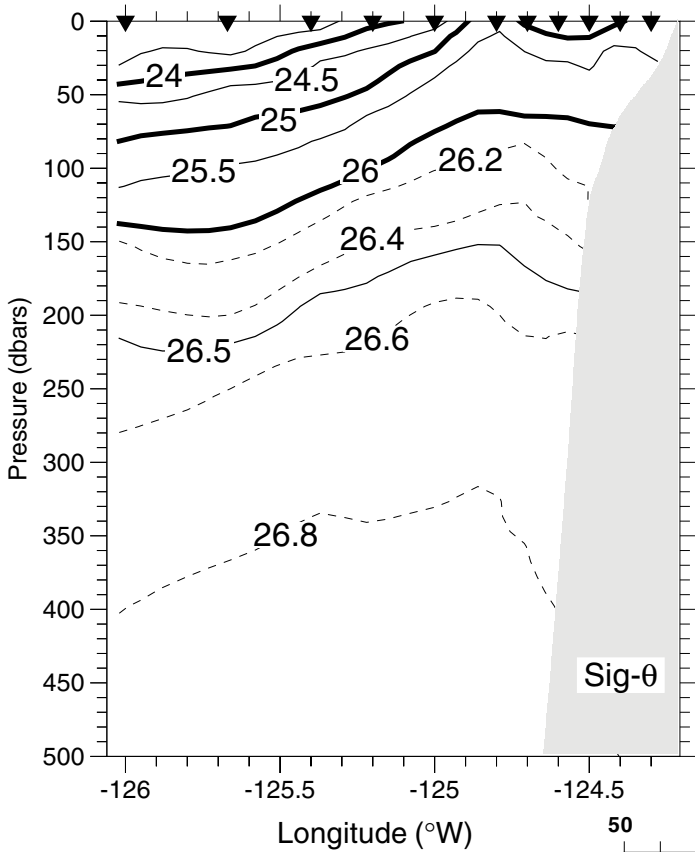
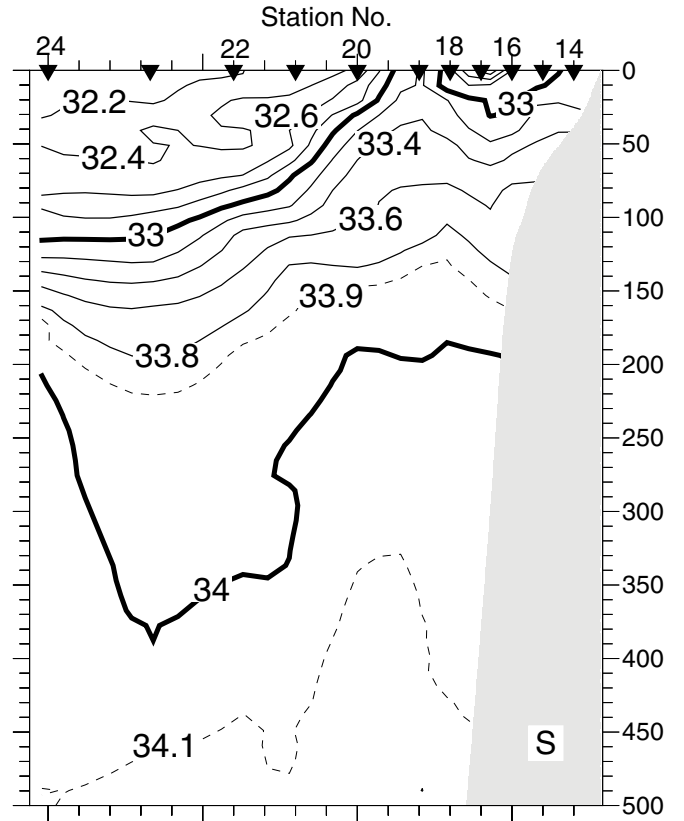
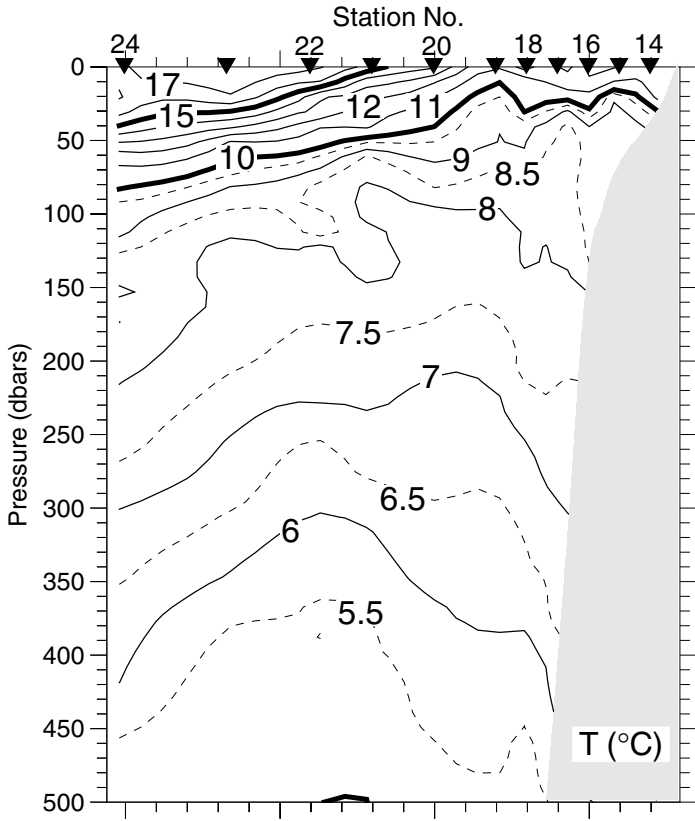


Crescent City Hydrographic Line 41°54'N

4-5 July 2003

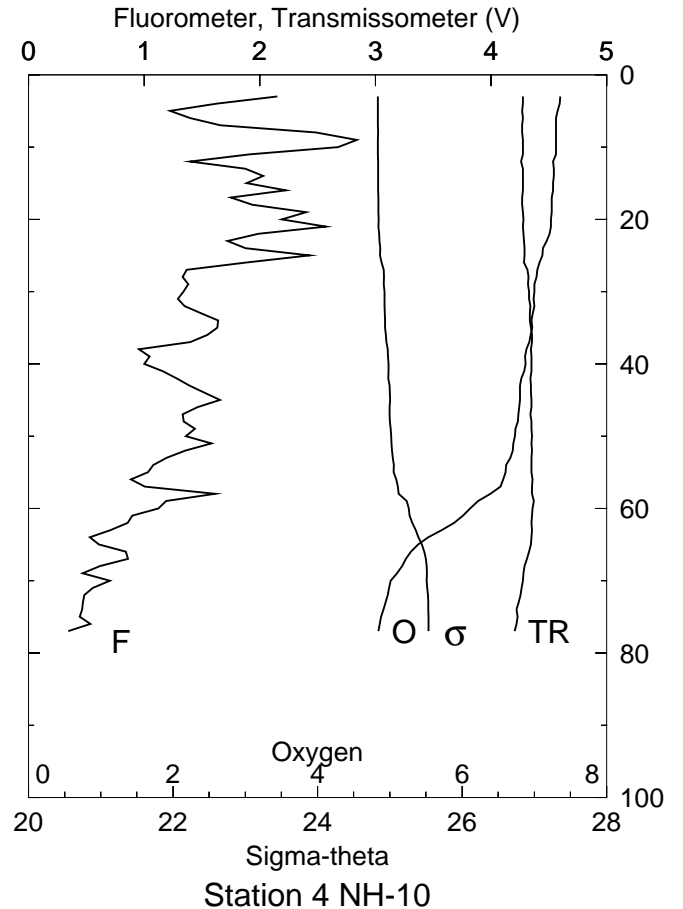
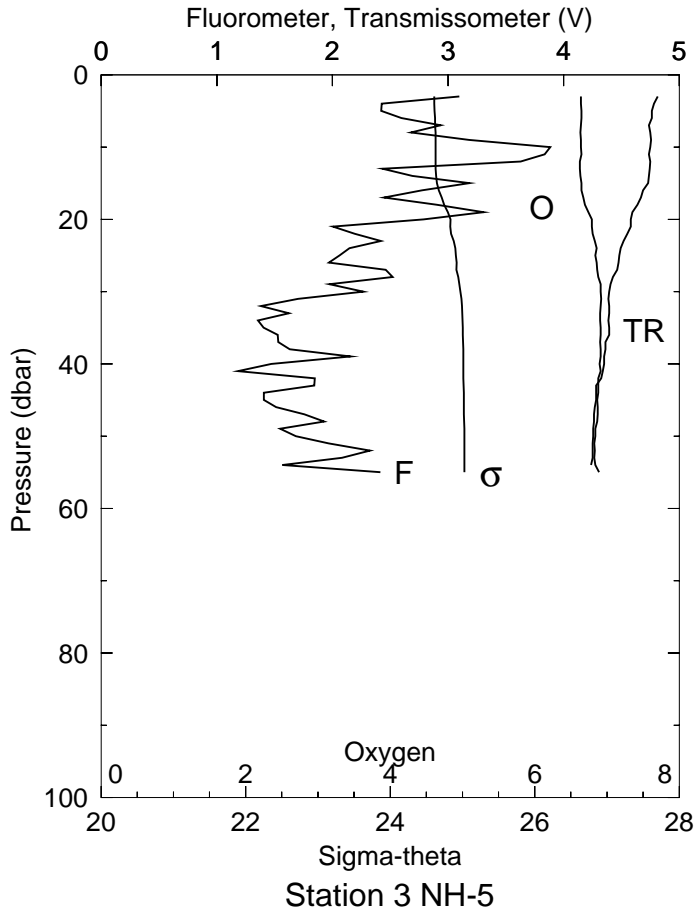
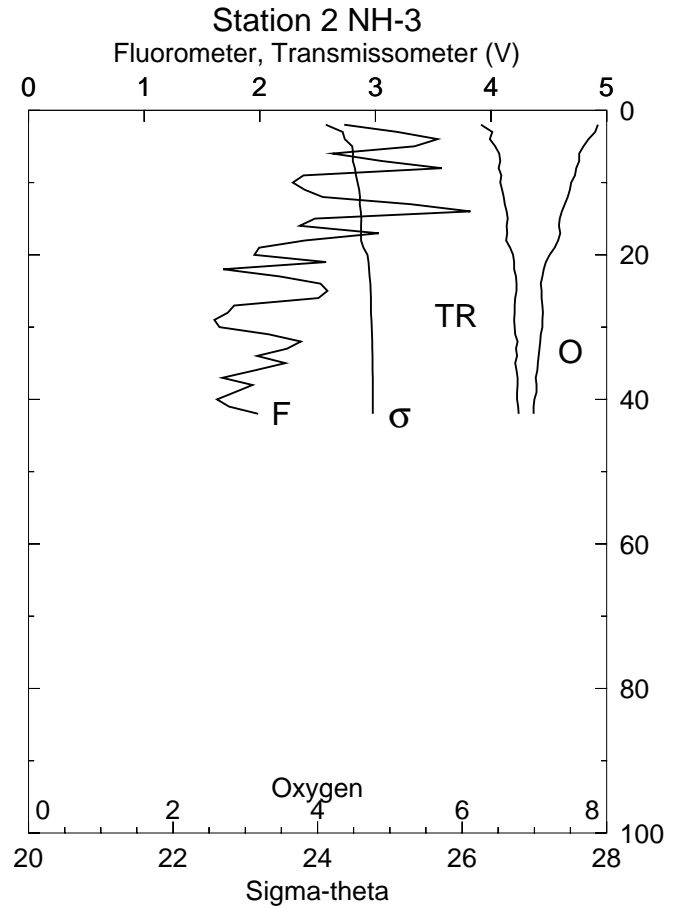
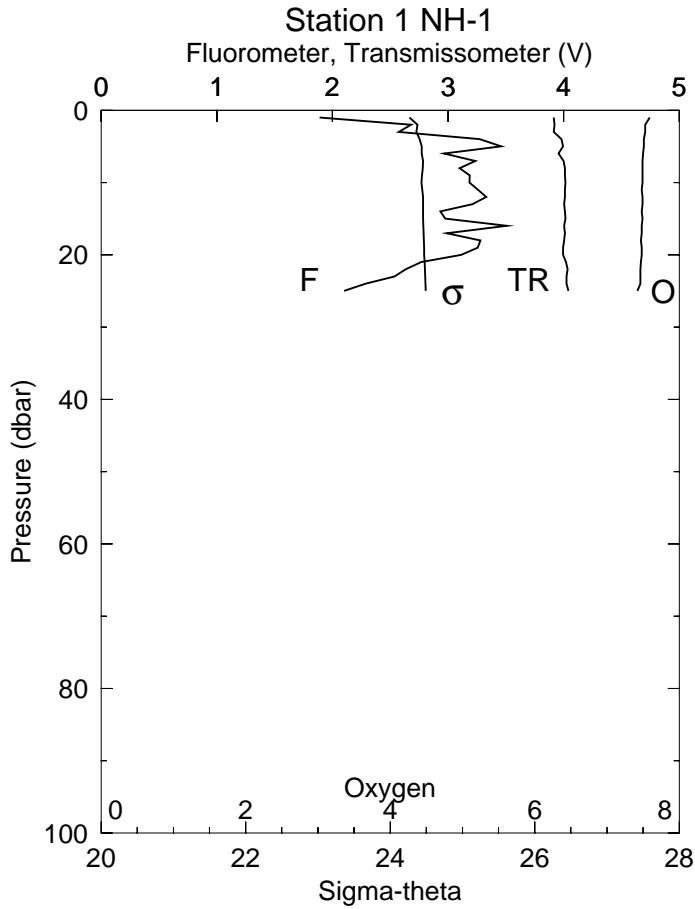


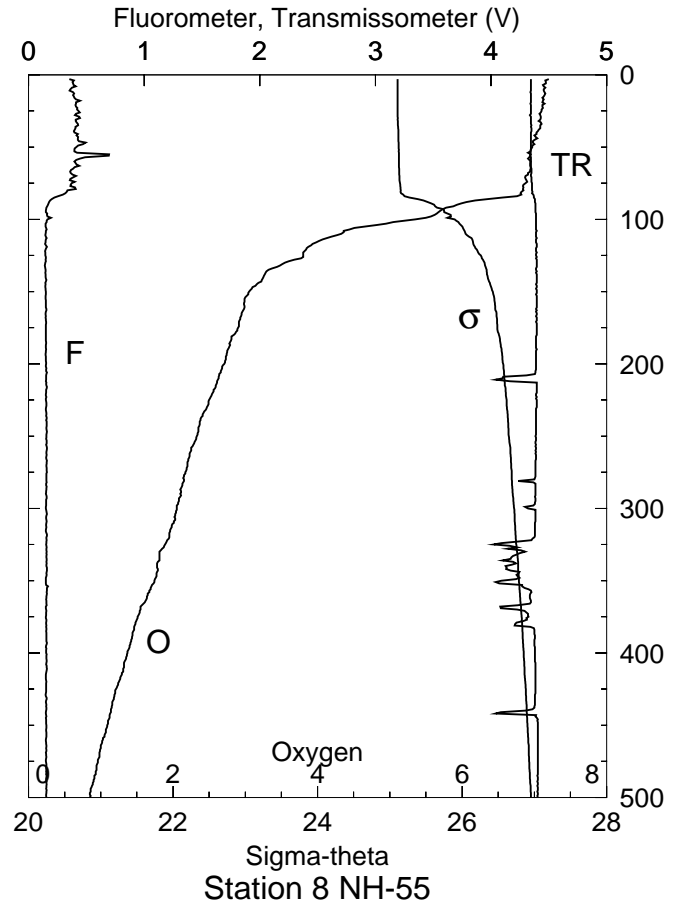
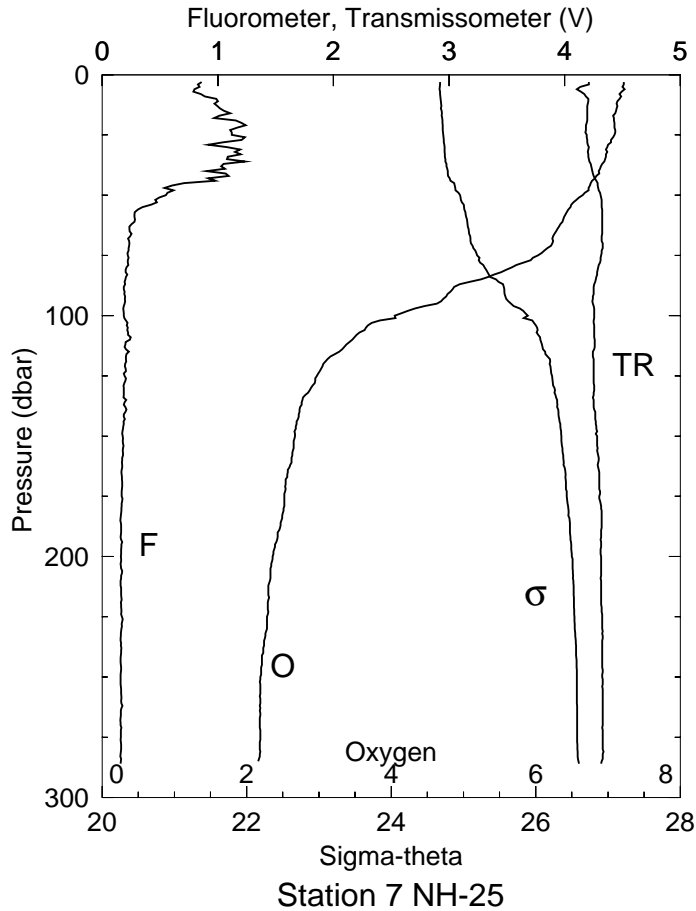
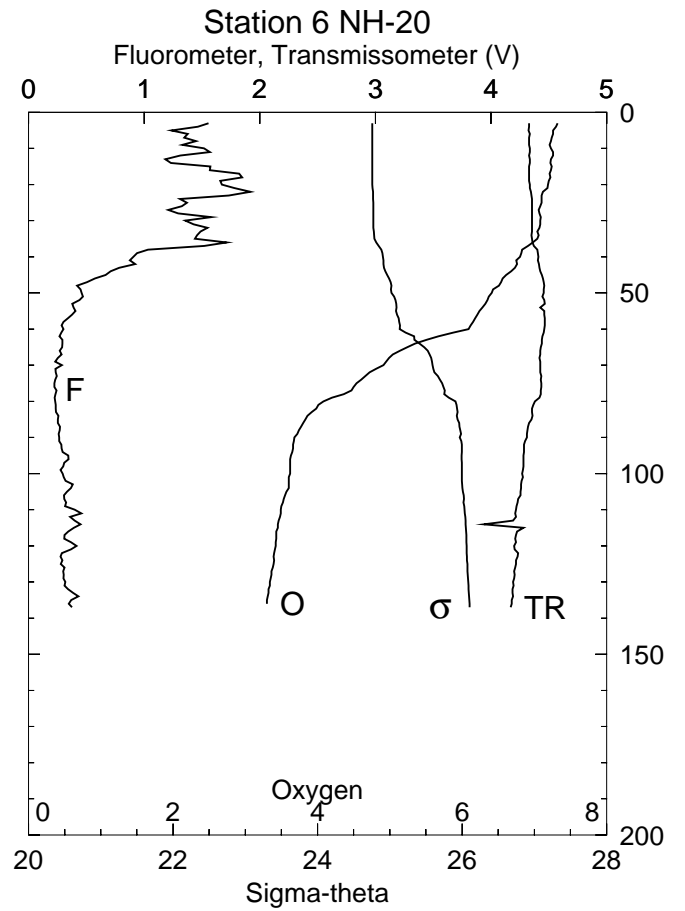
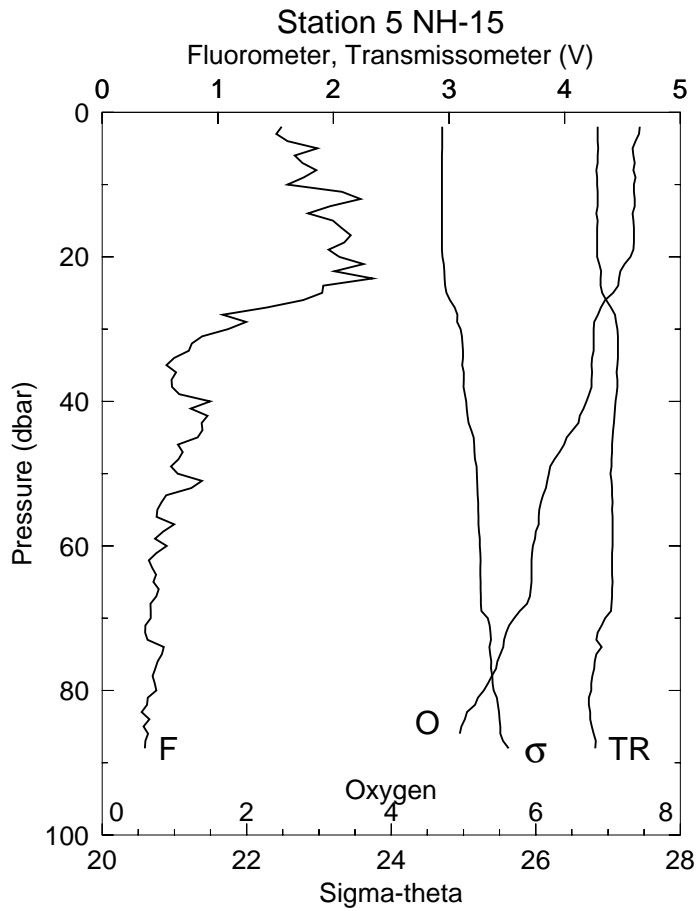
Crescent City Hydrographic Line 41°54'N
28-29 September 2003

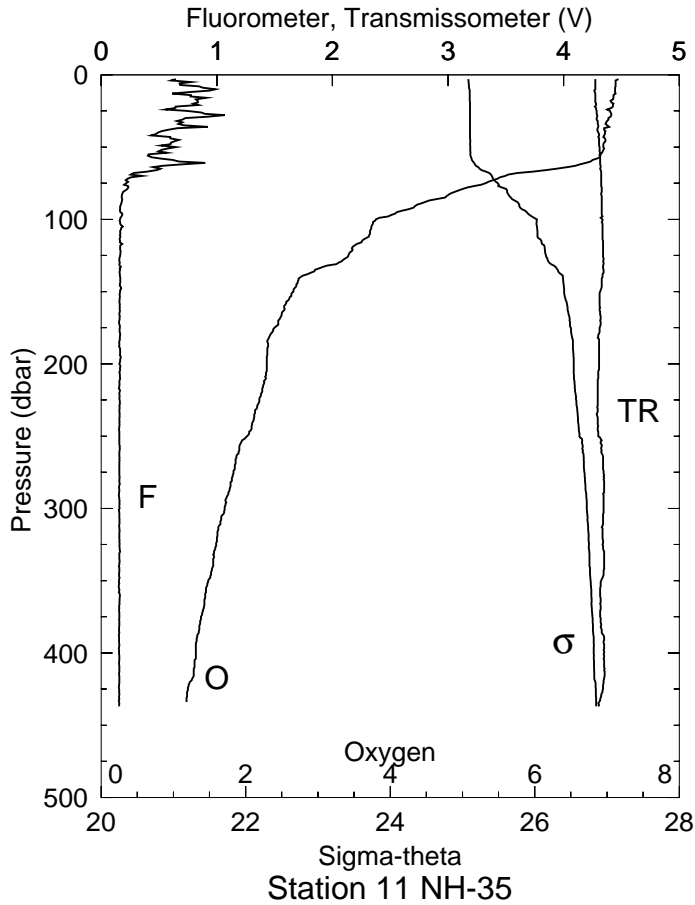
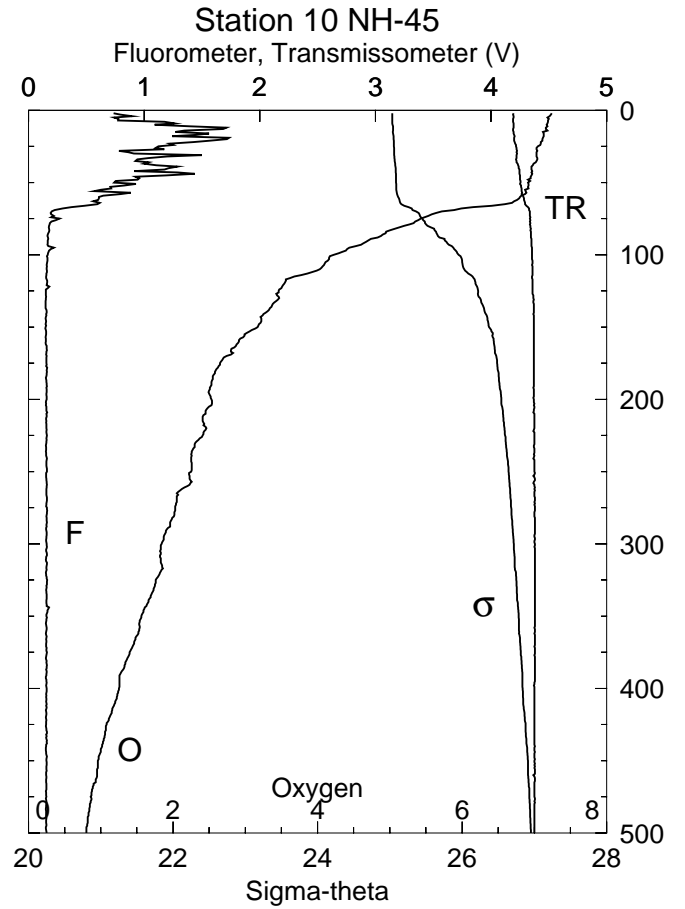
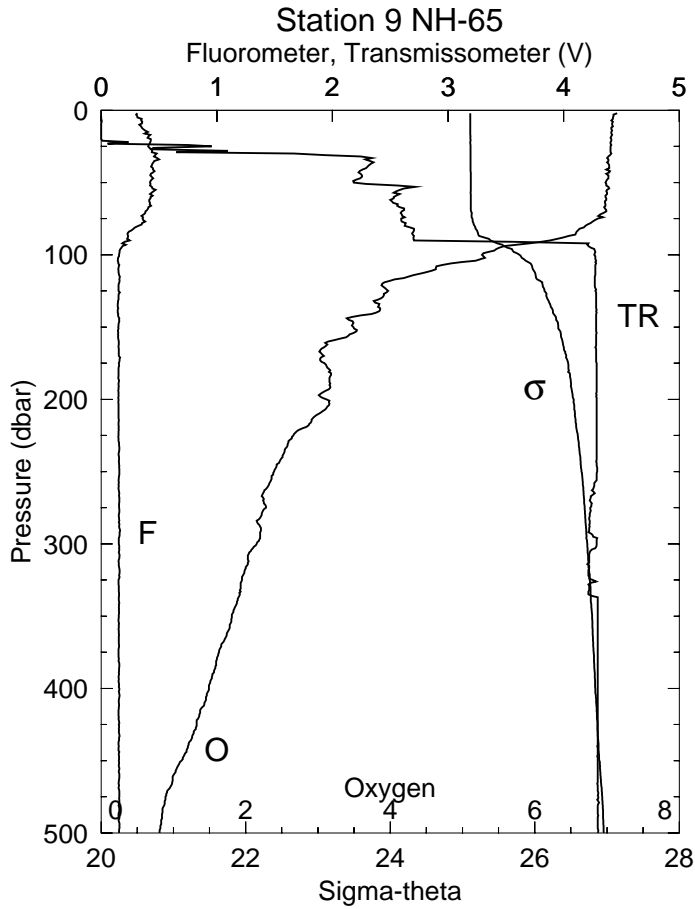


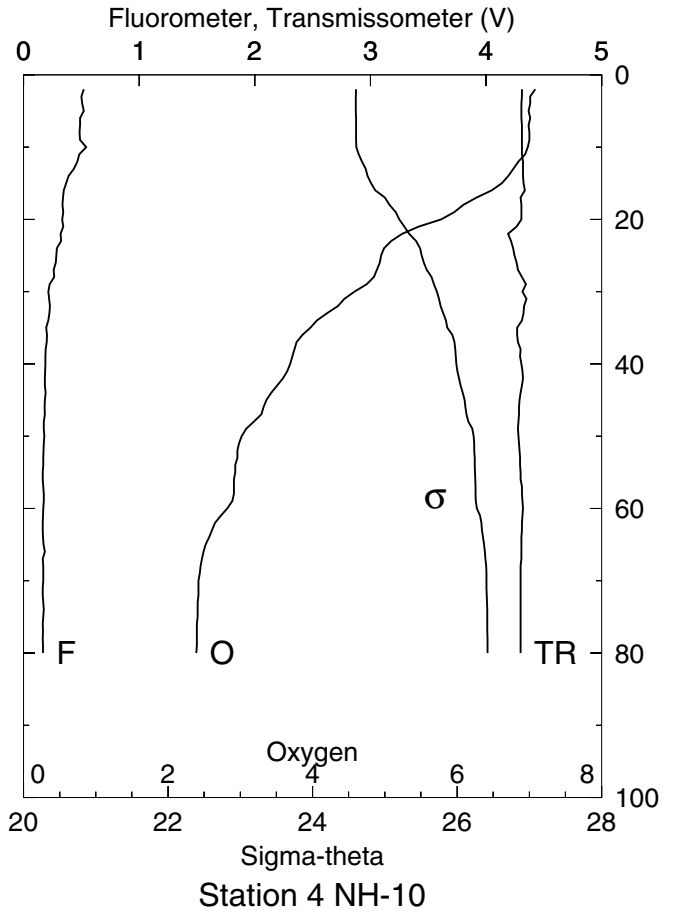
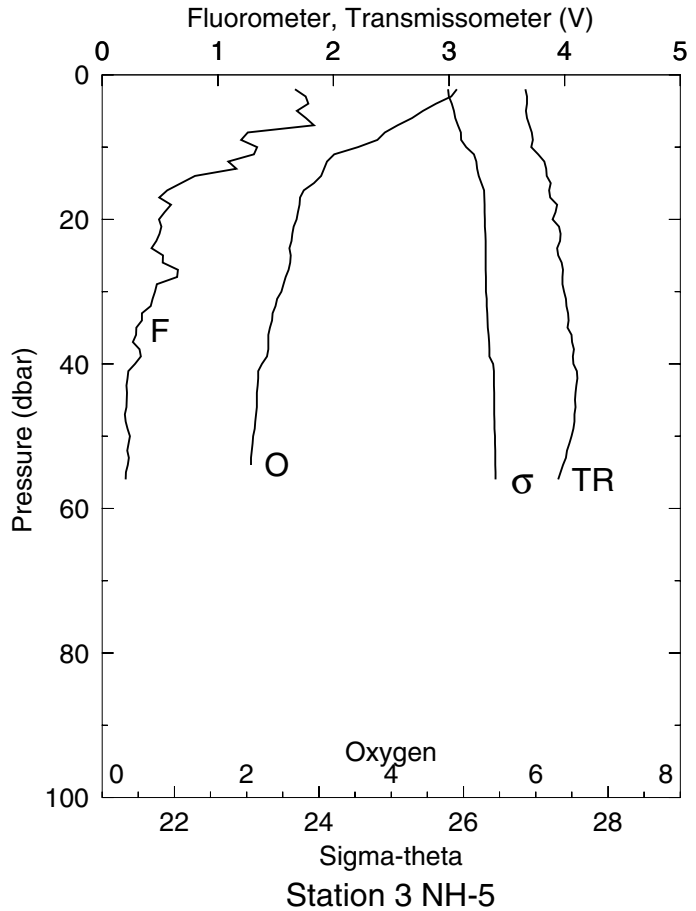
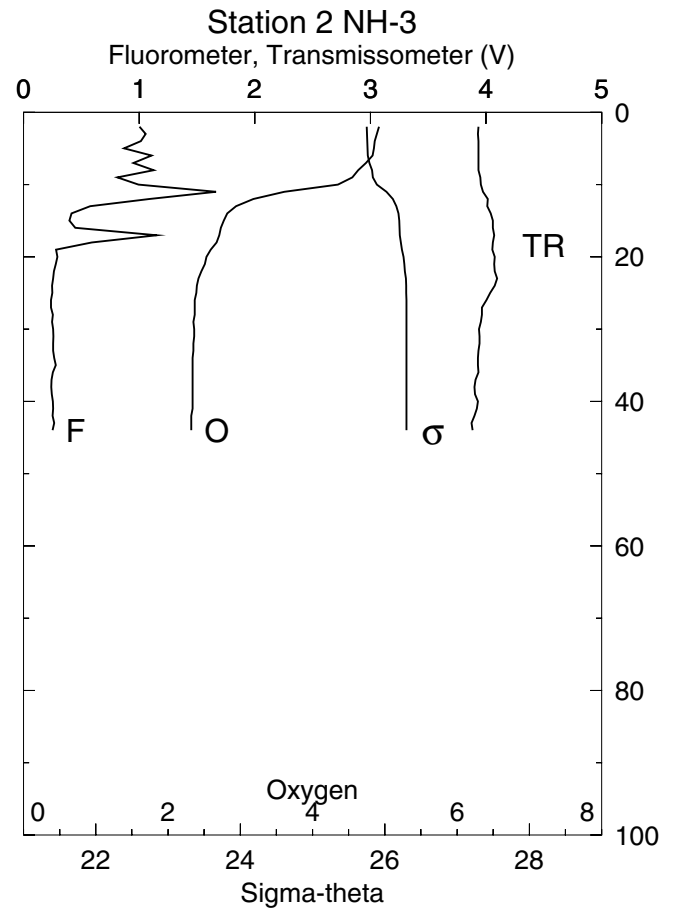
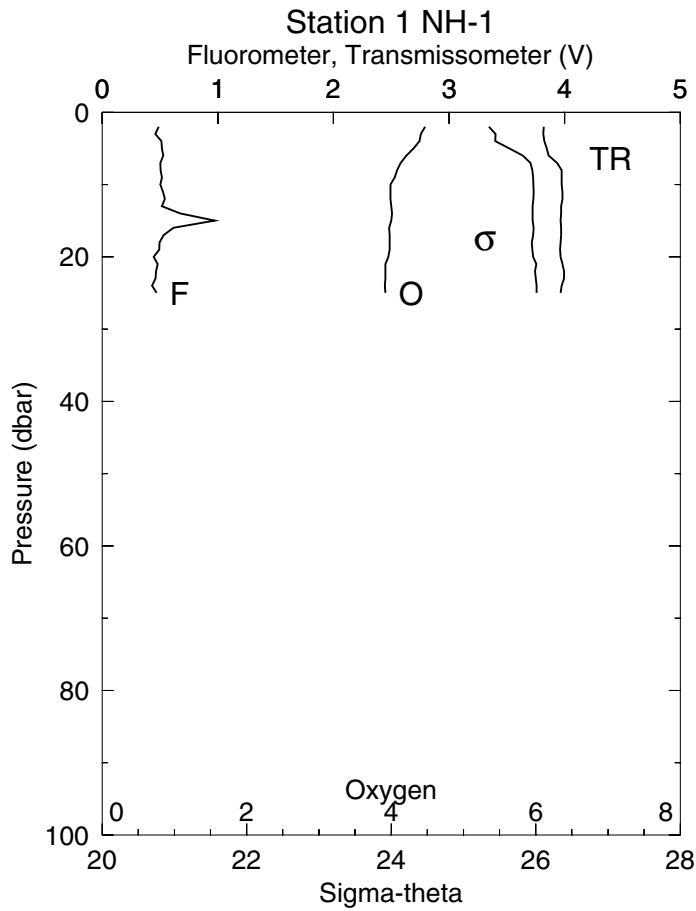
Appendix A

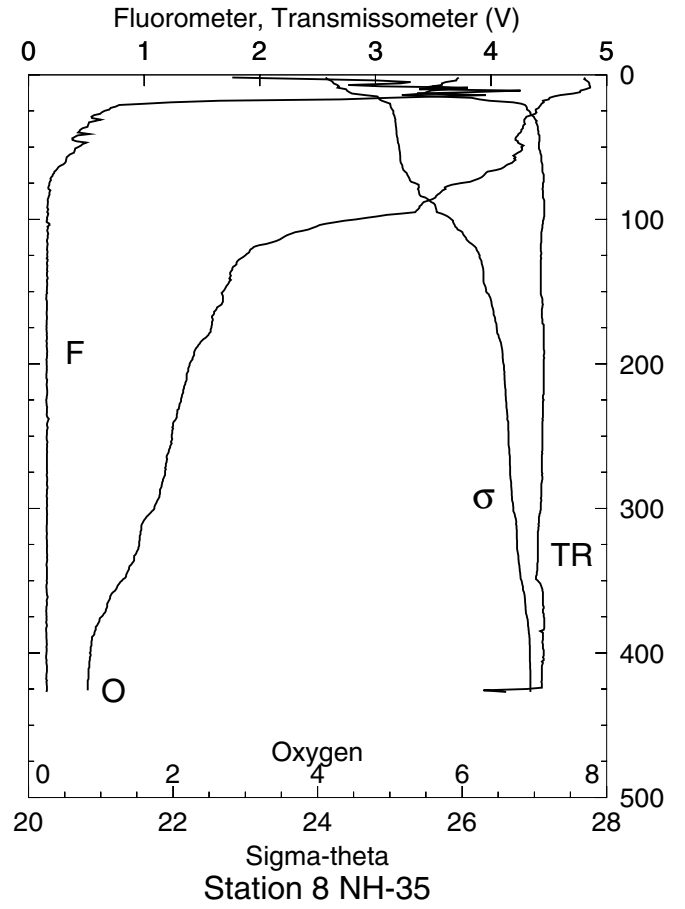
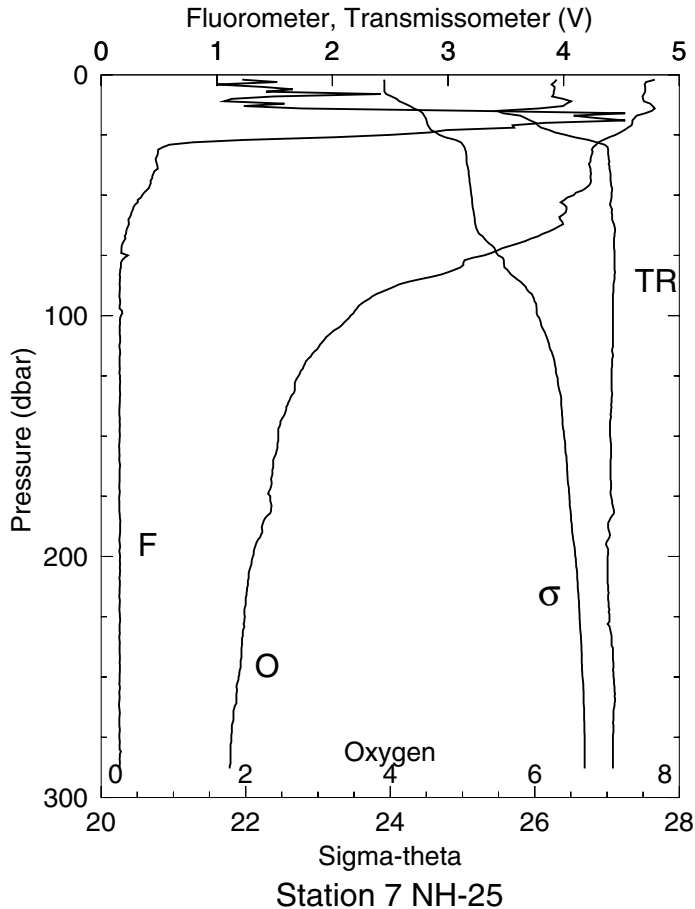
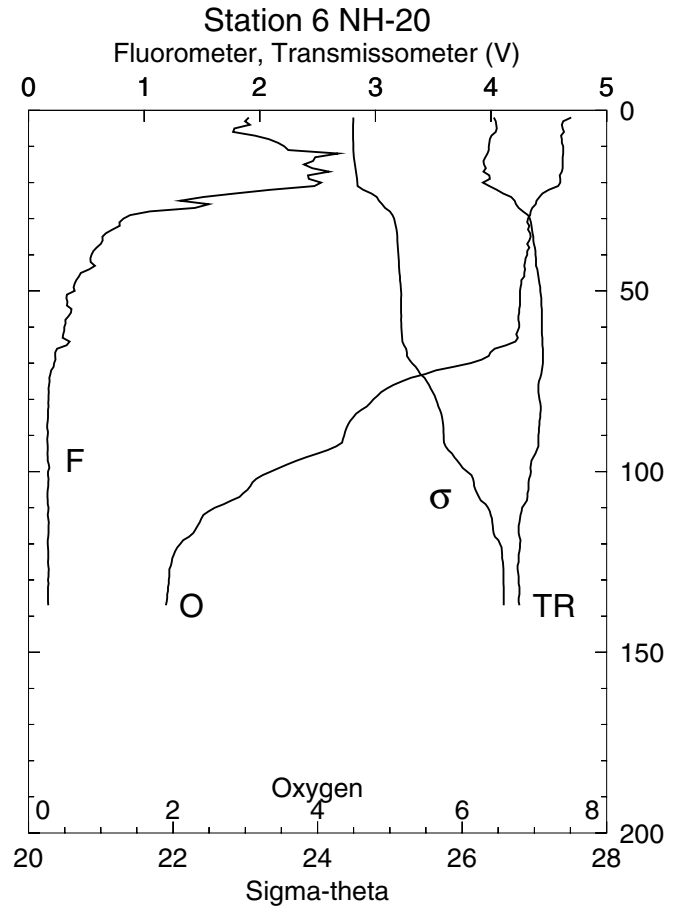
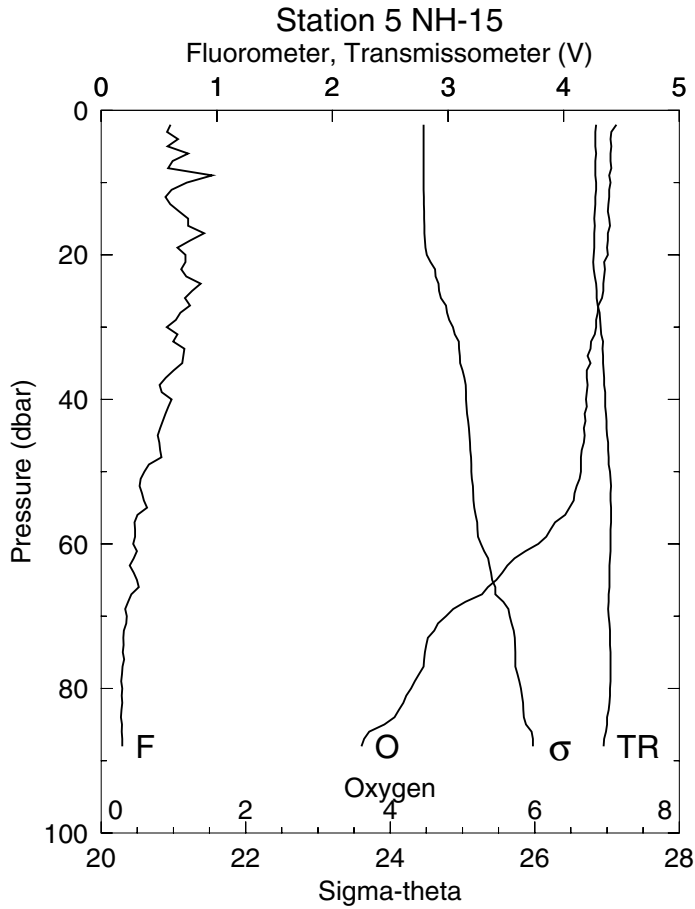
Vertical Profiles of Fluorometer Voltage (F),
Transmissometer Voltage (TR),
and Dissolved Oxygen (O)
with the Density Anomaly (σ) for reference



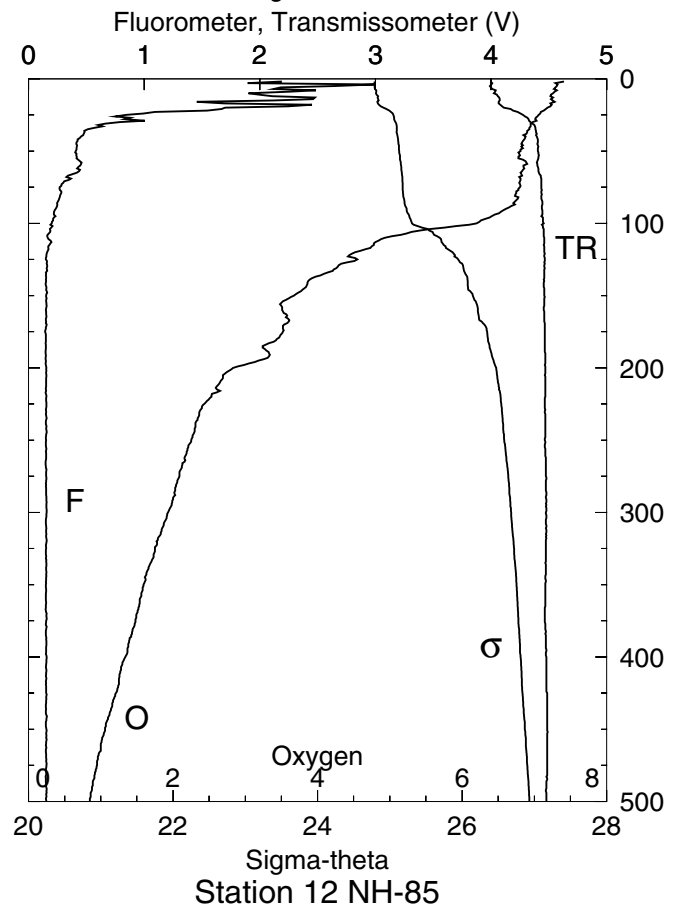
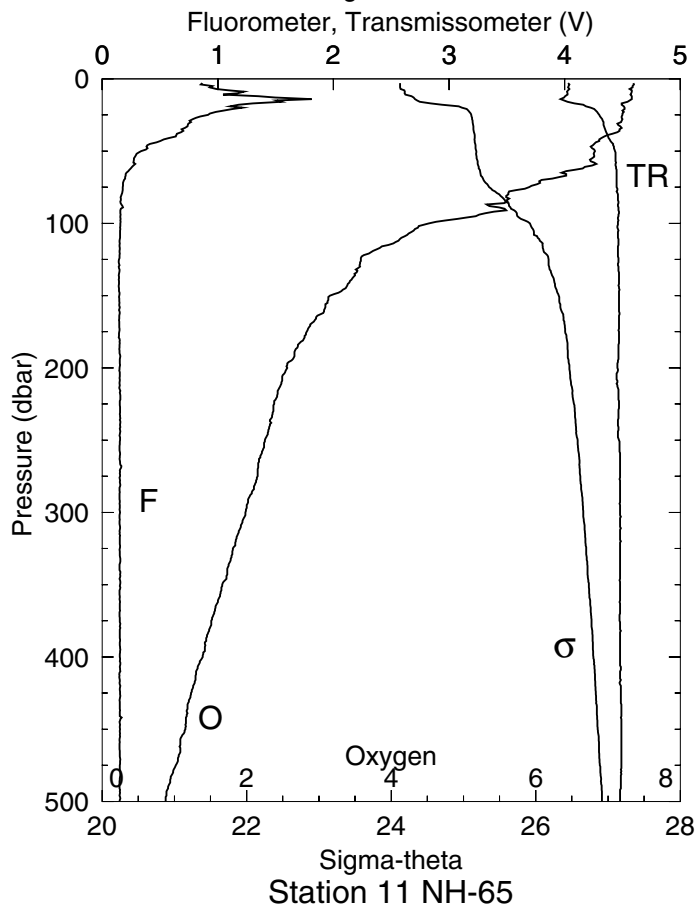
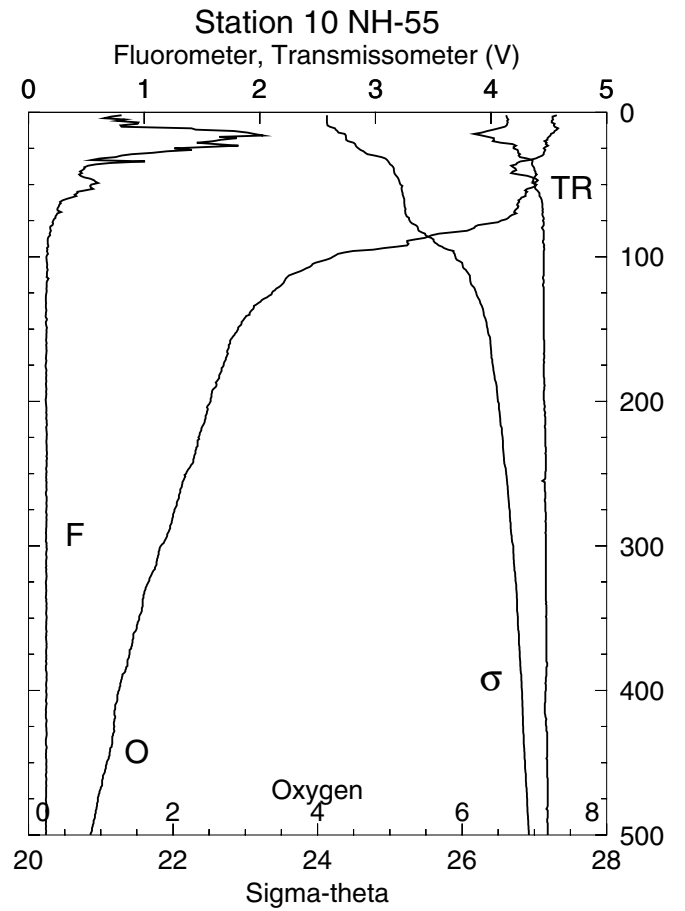
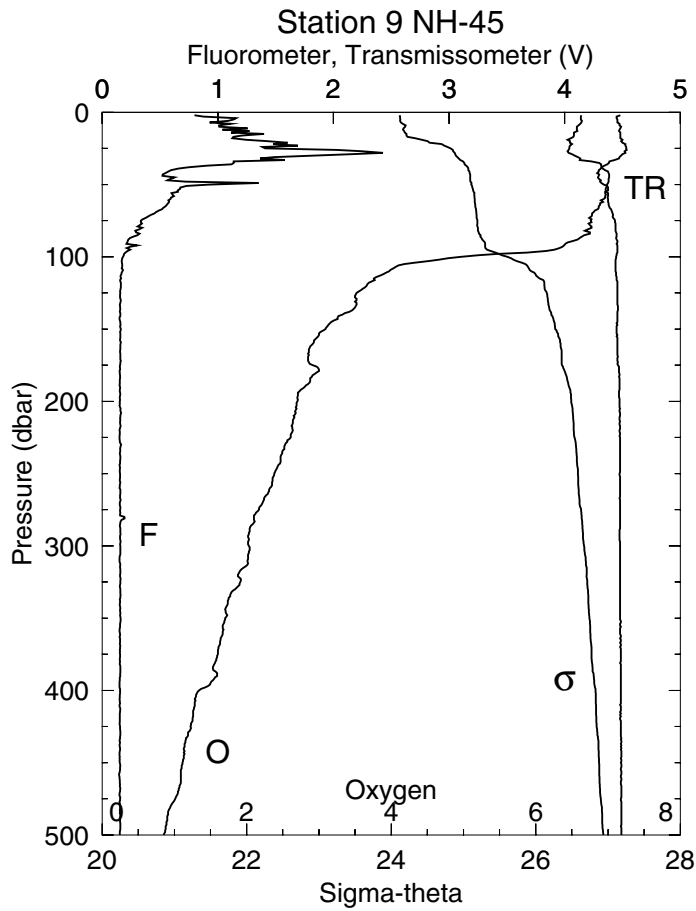




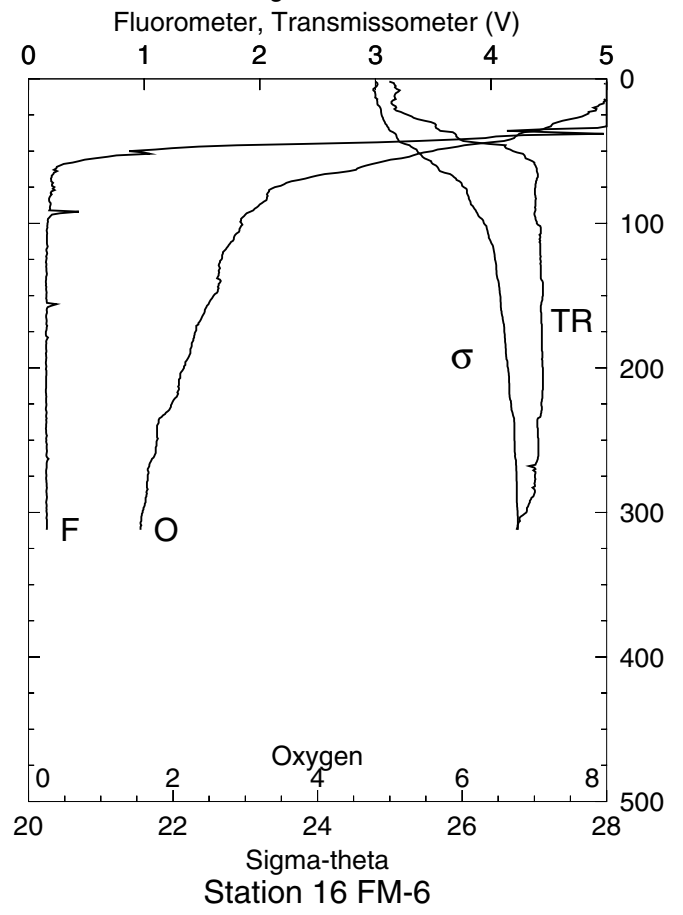
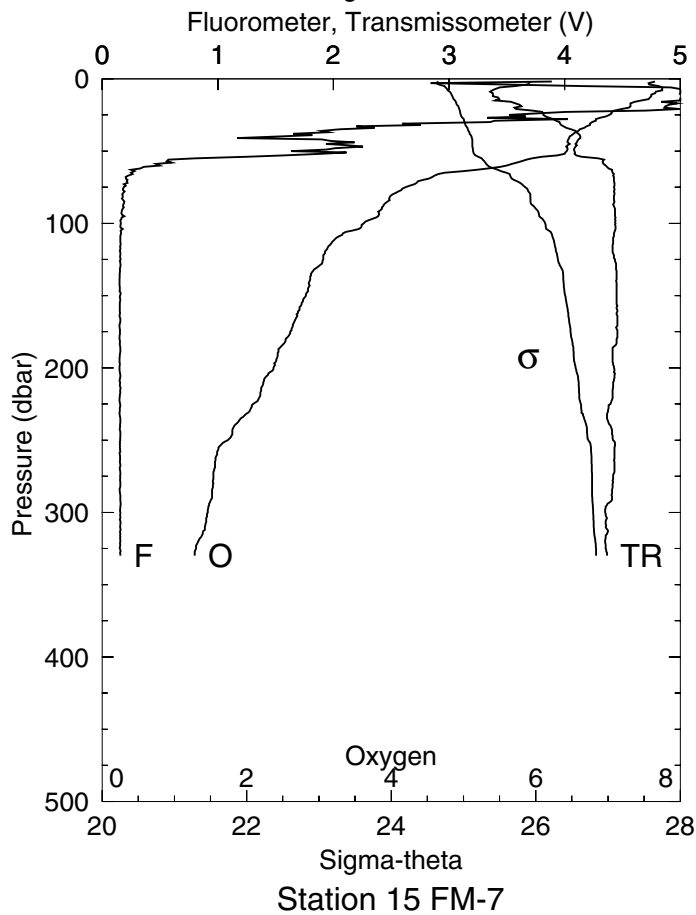
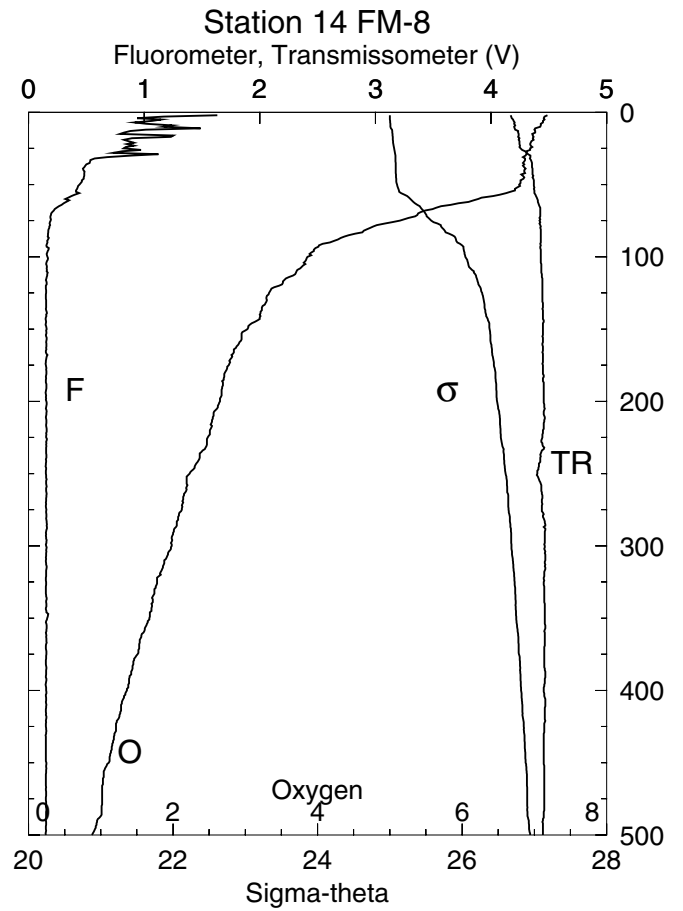
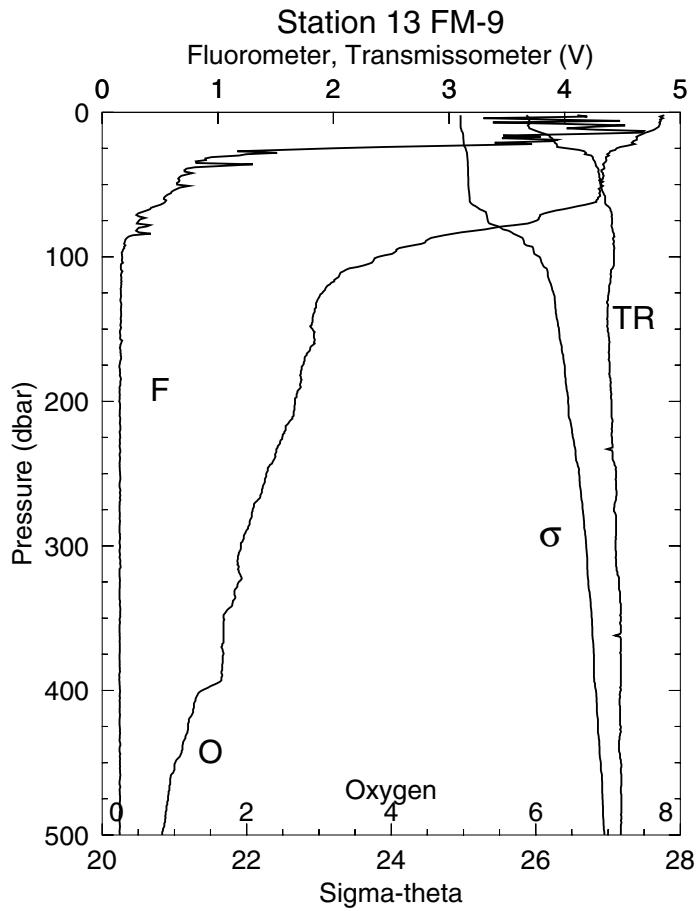


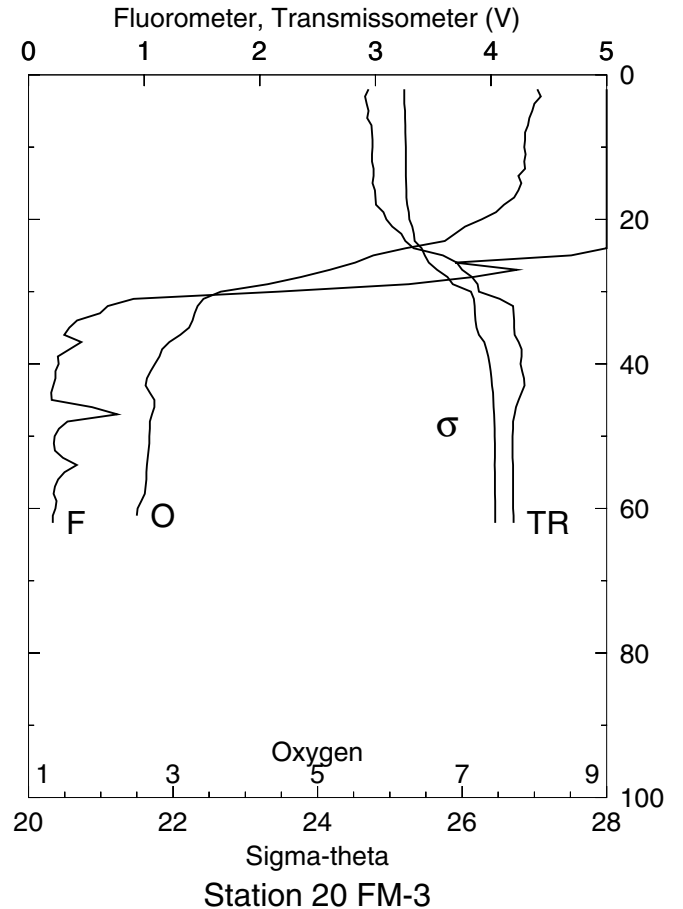
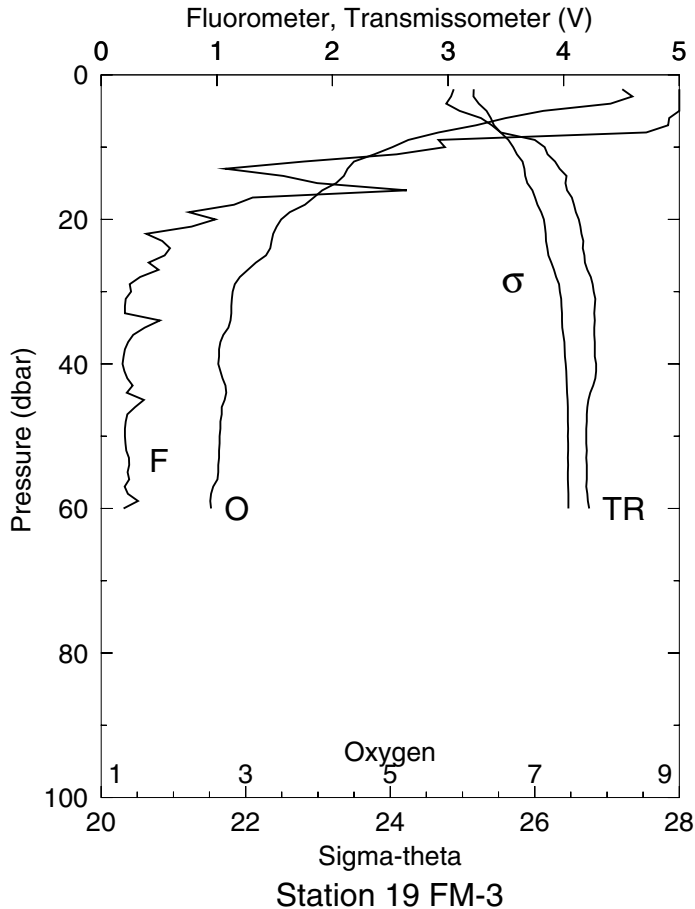
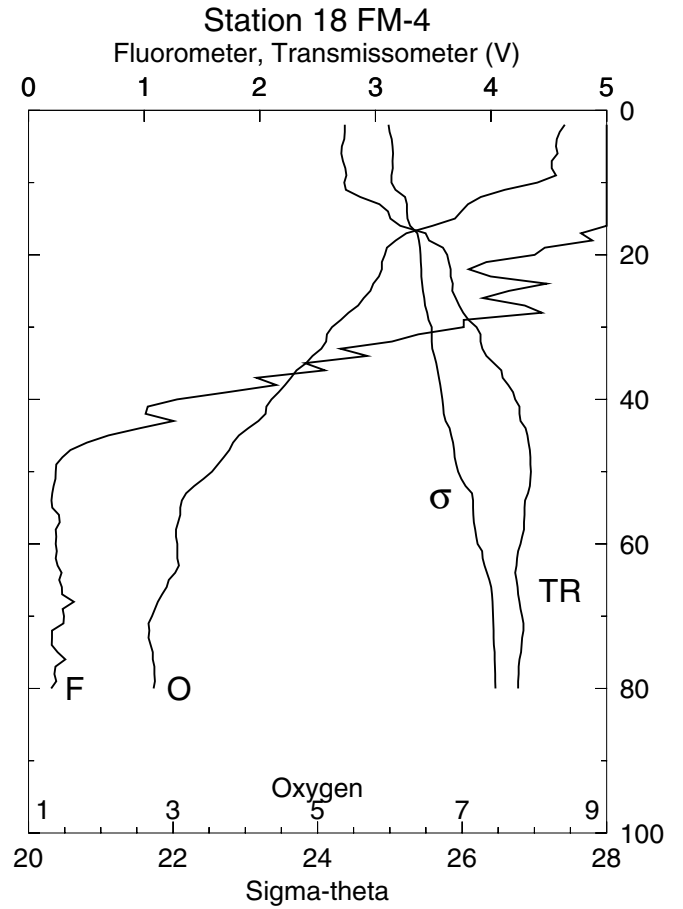
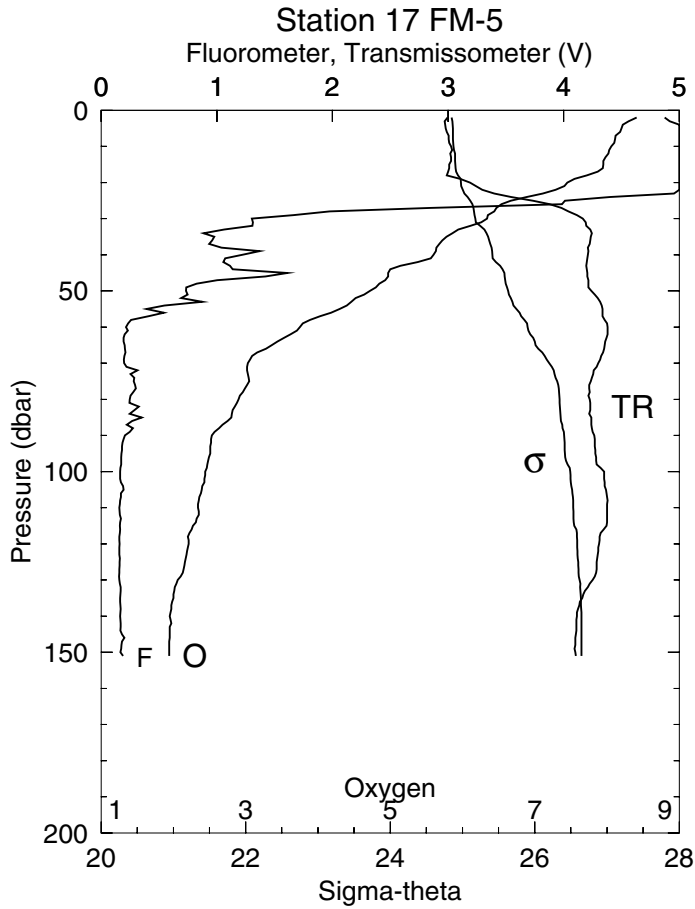


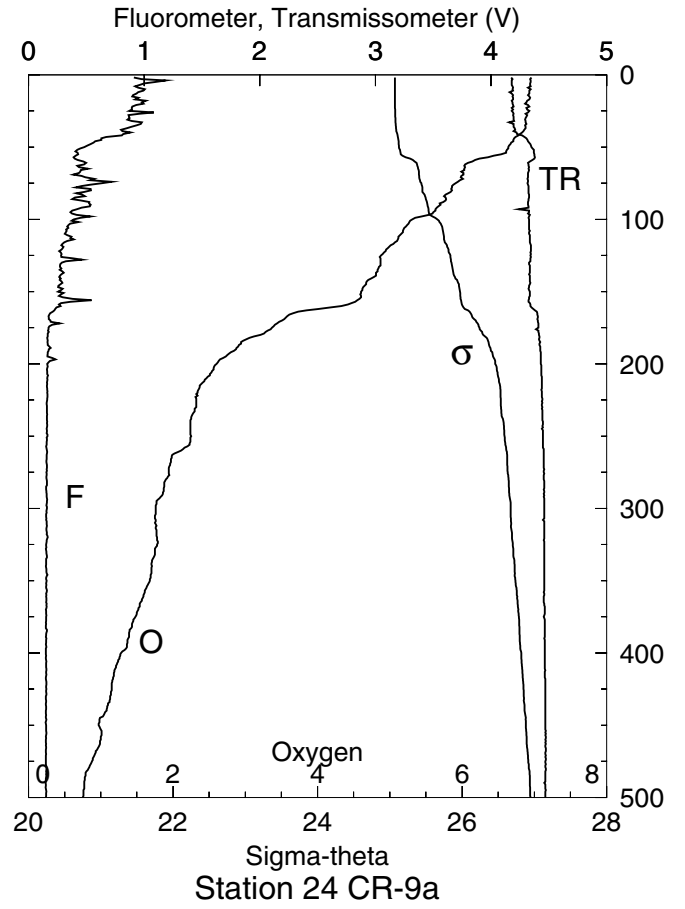
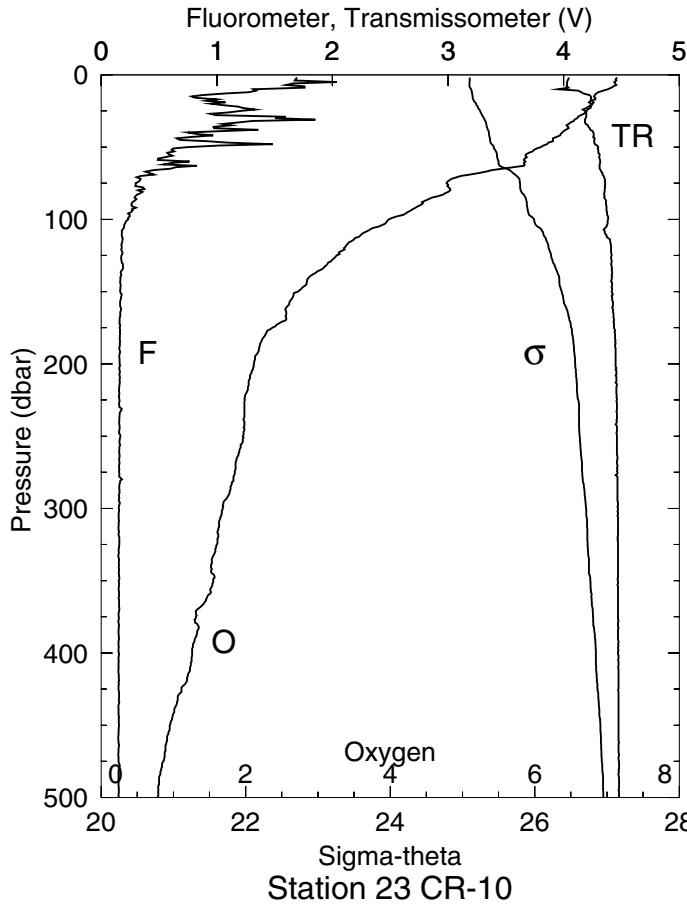
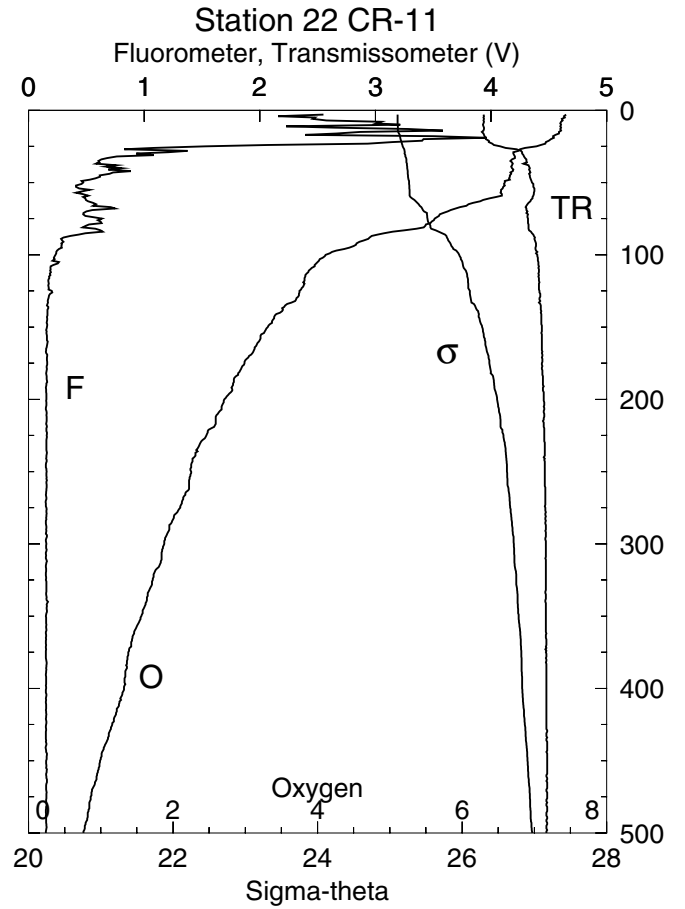
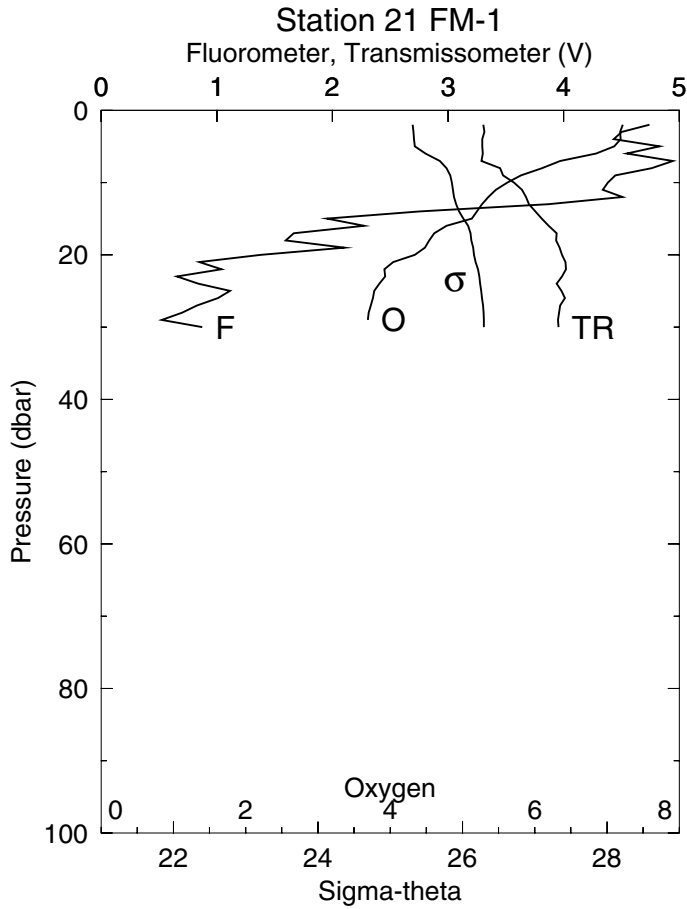
W0204A

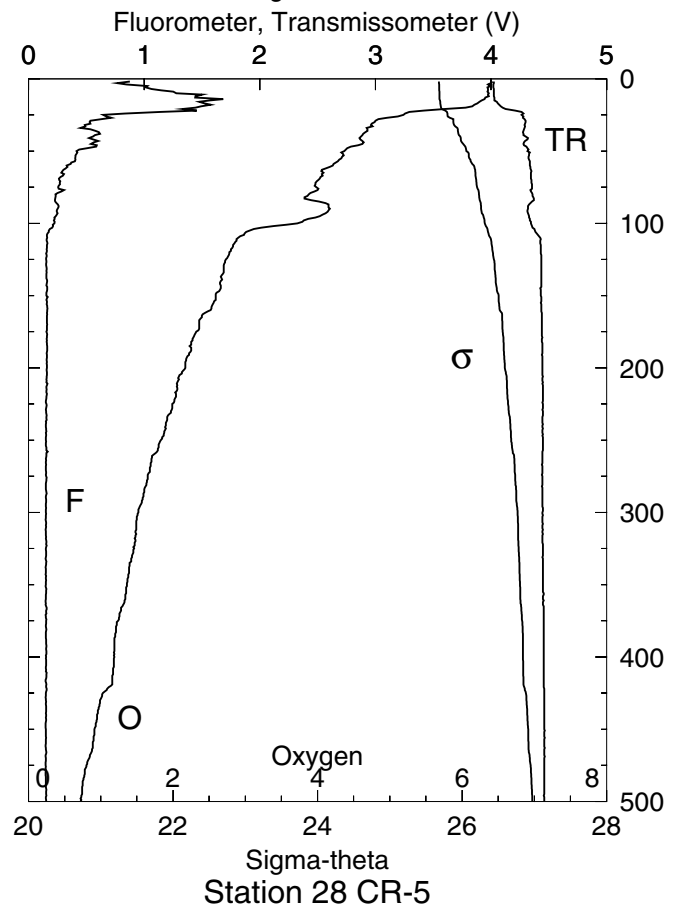
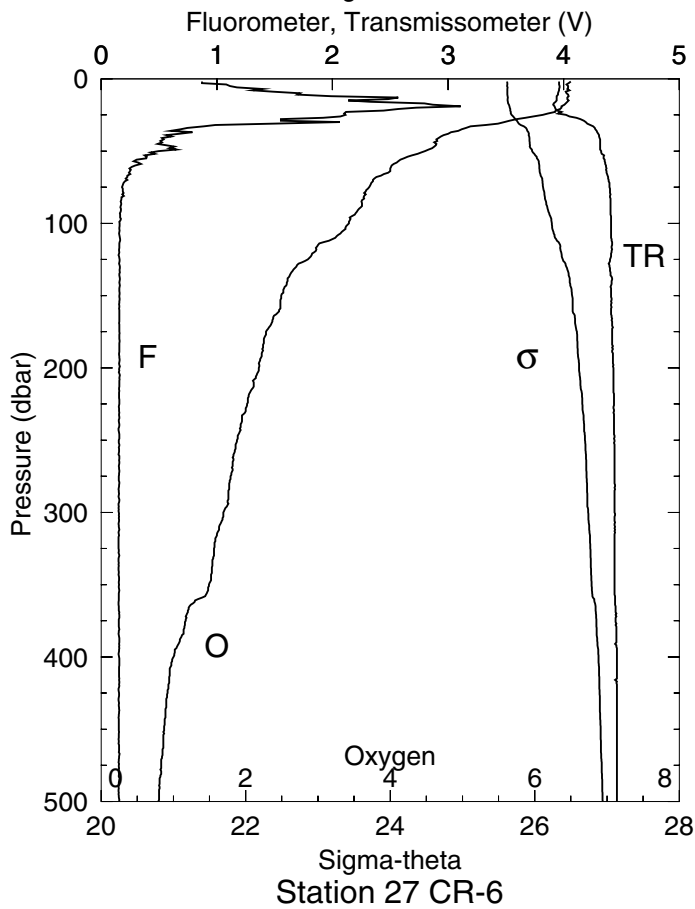
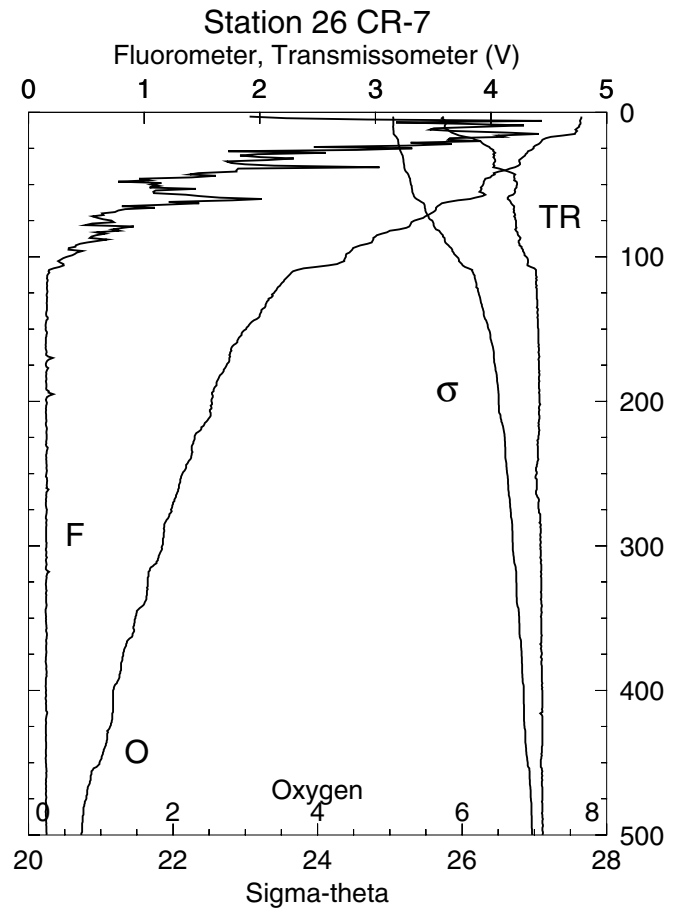
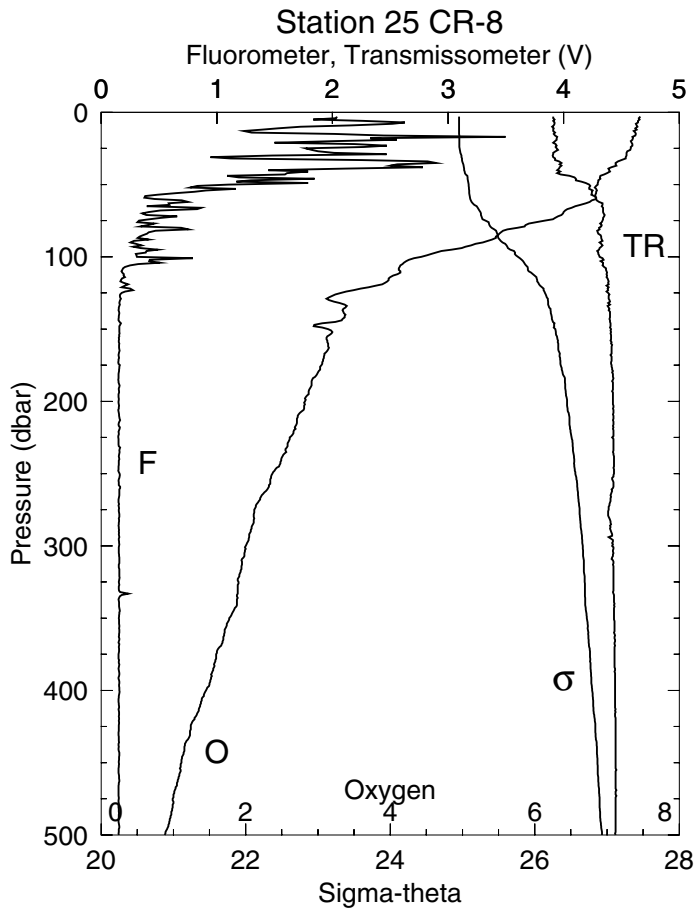


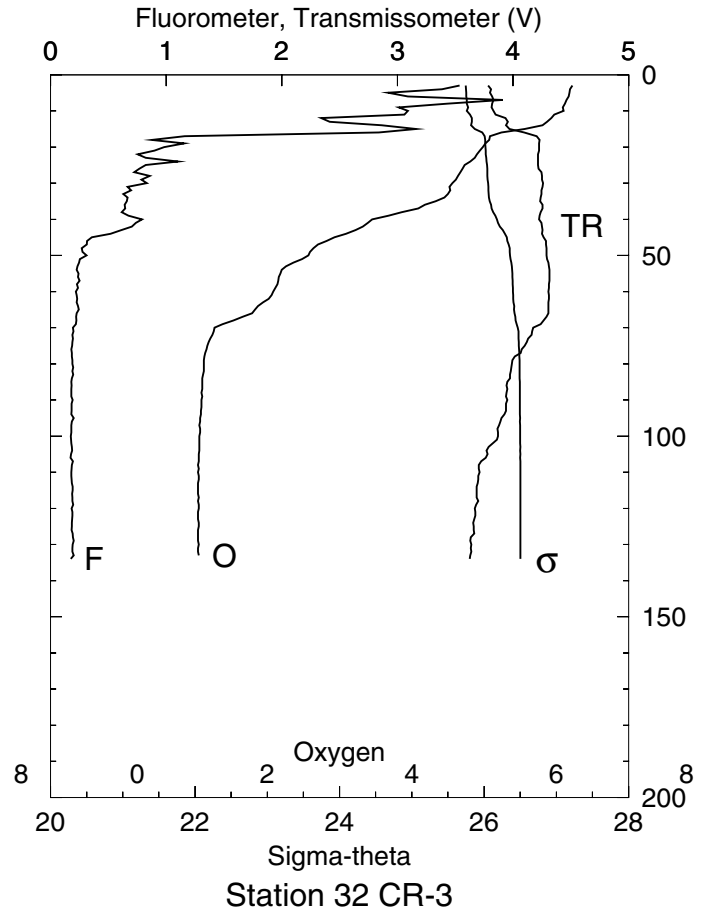
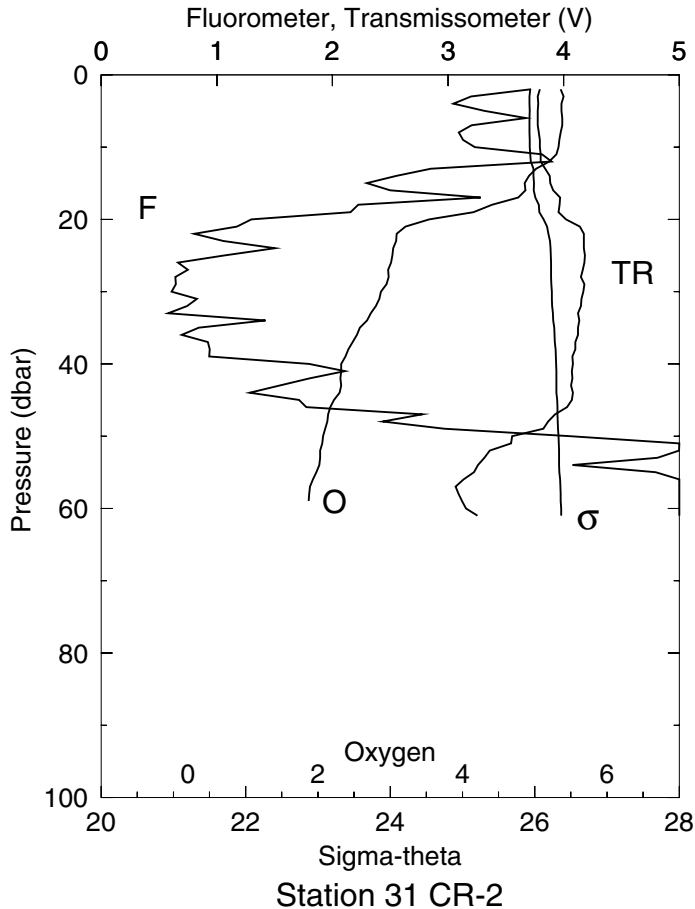
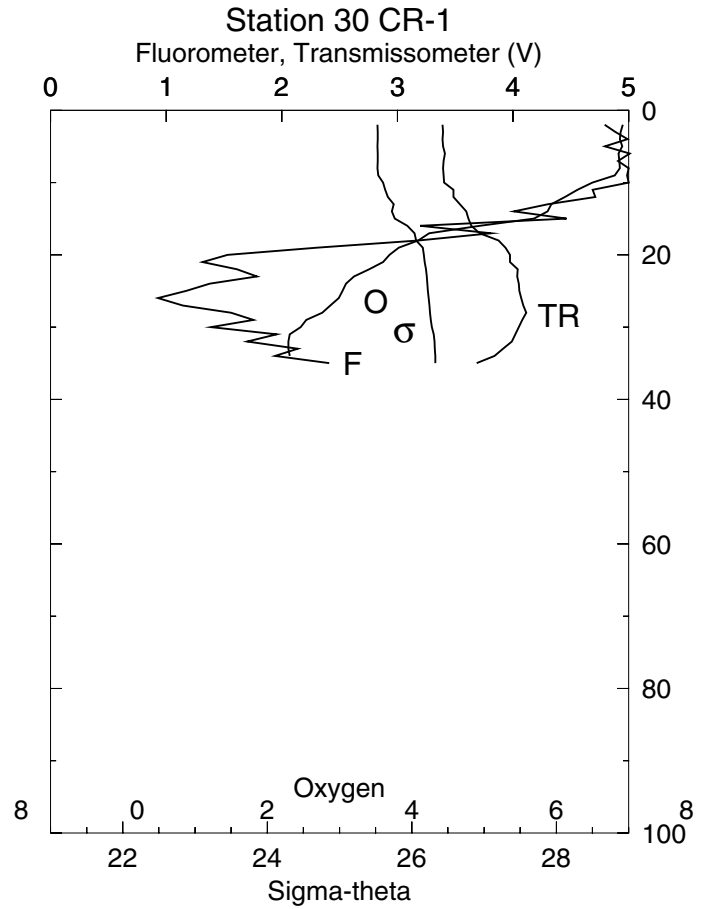
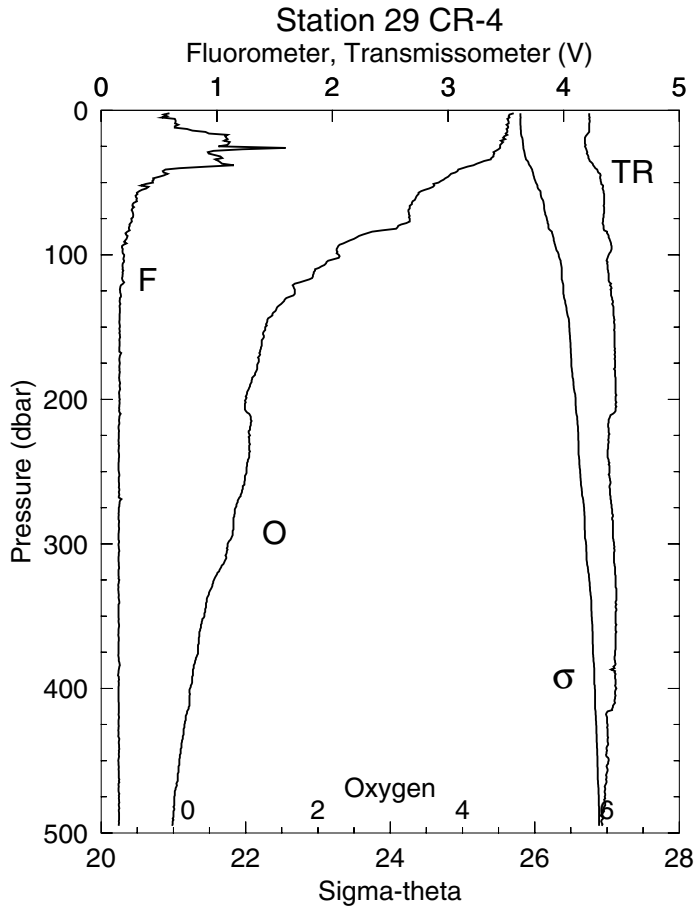
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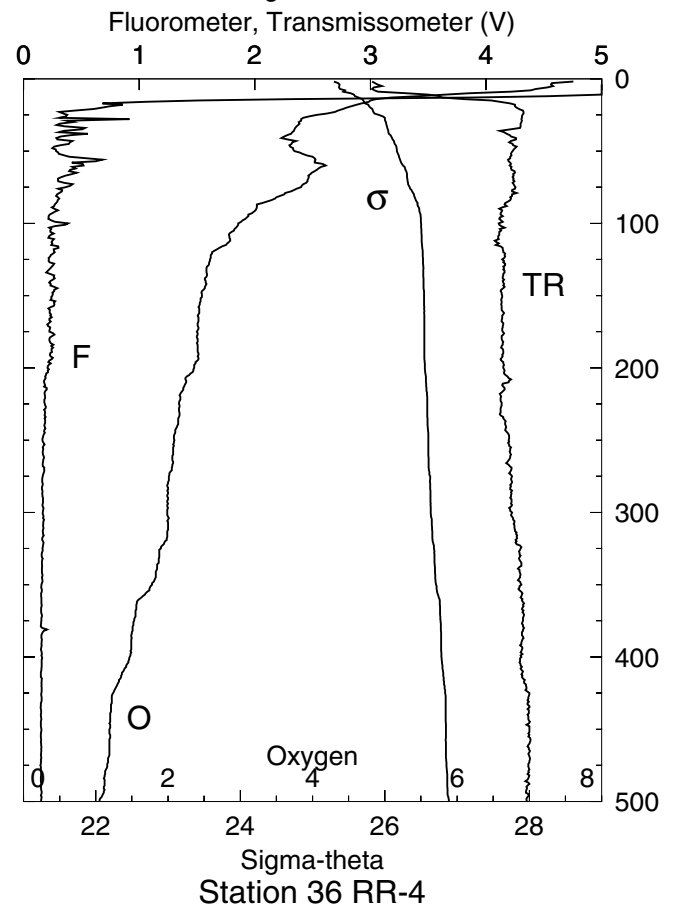
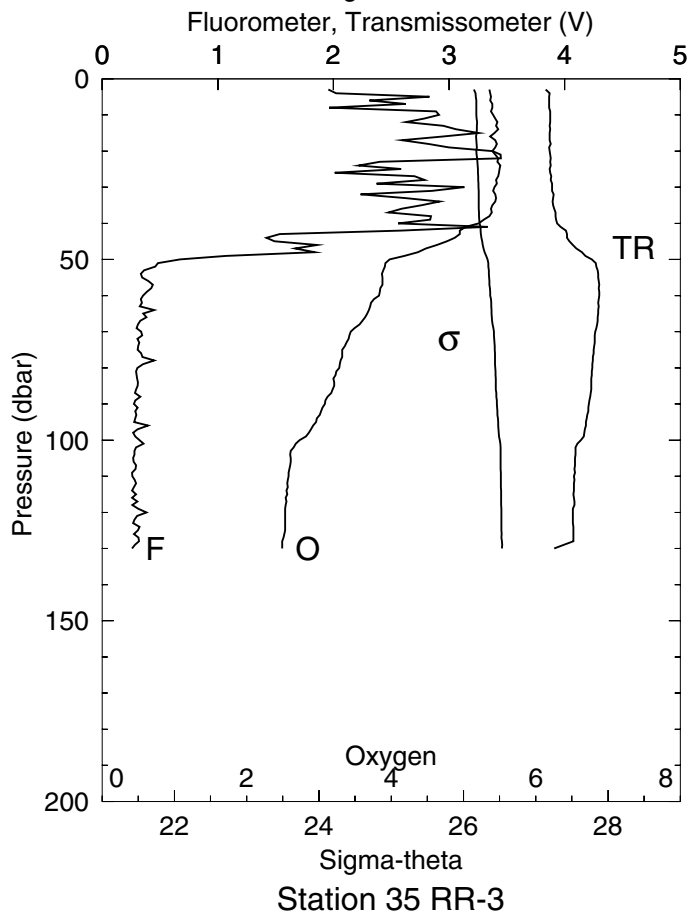
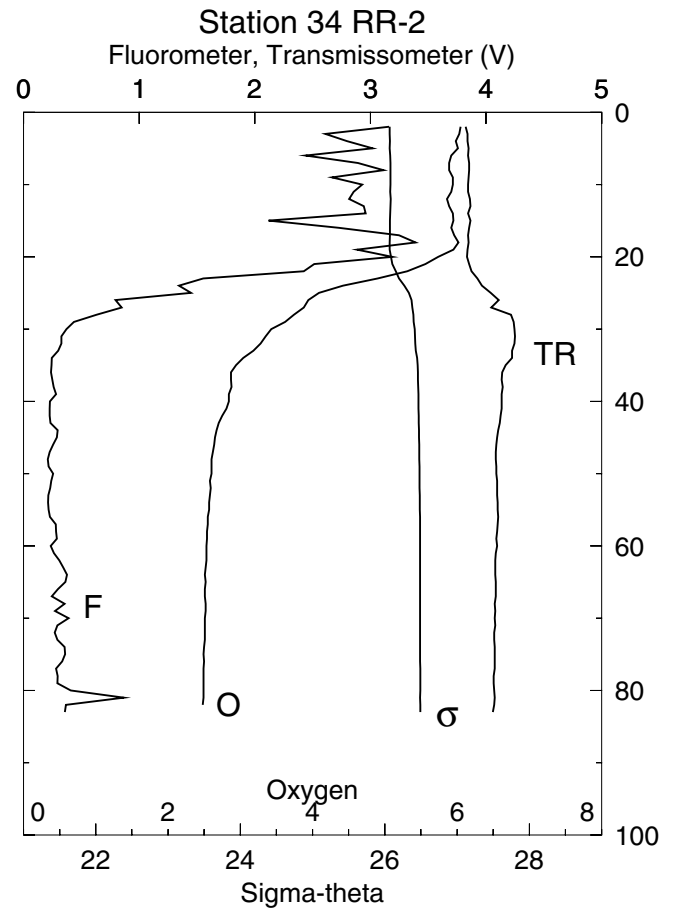
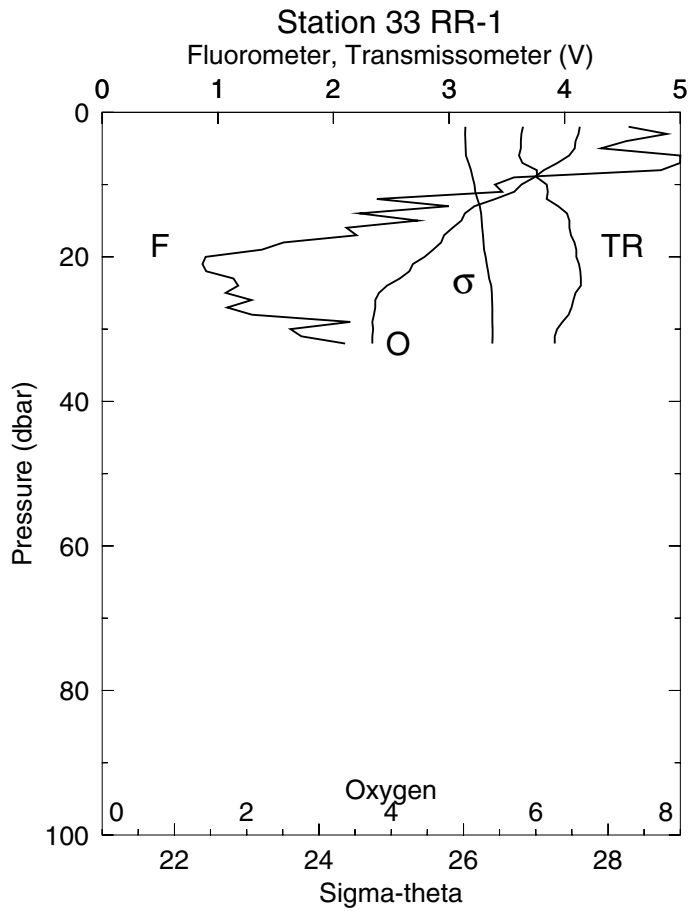


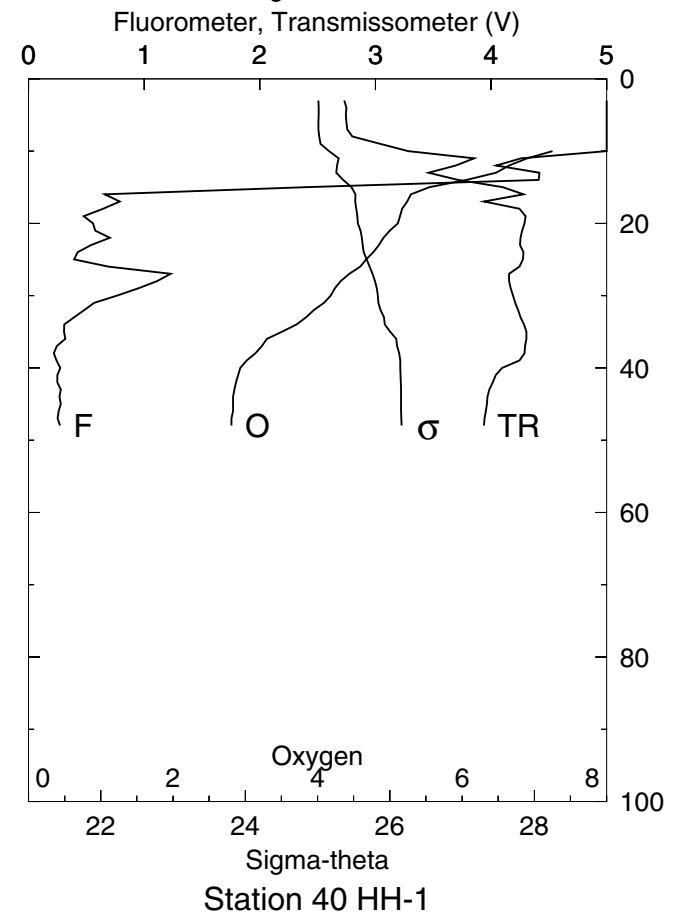
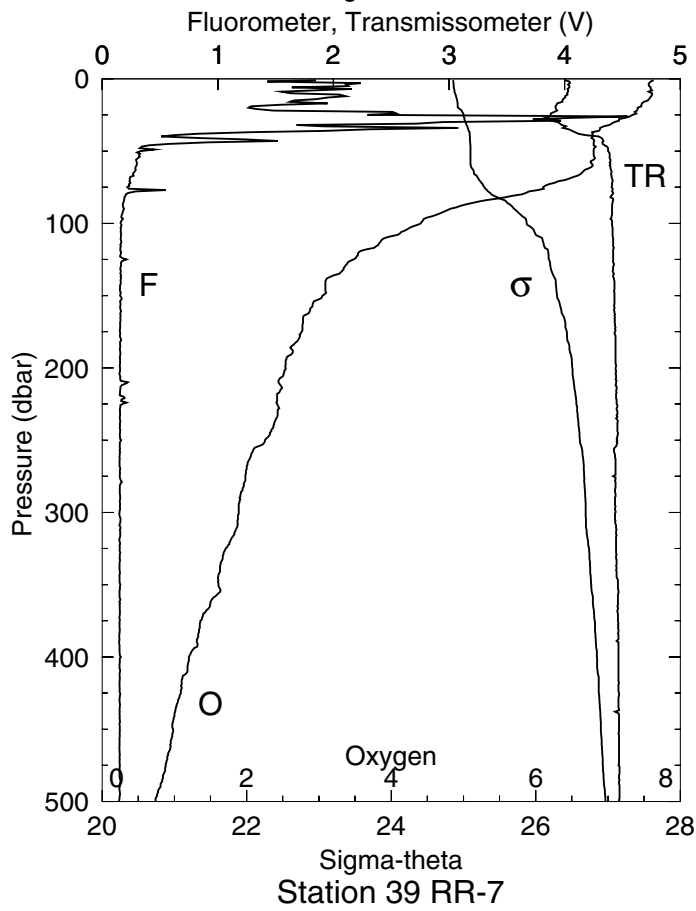
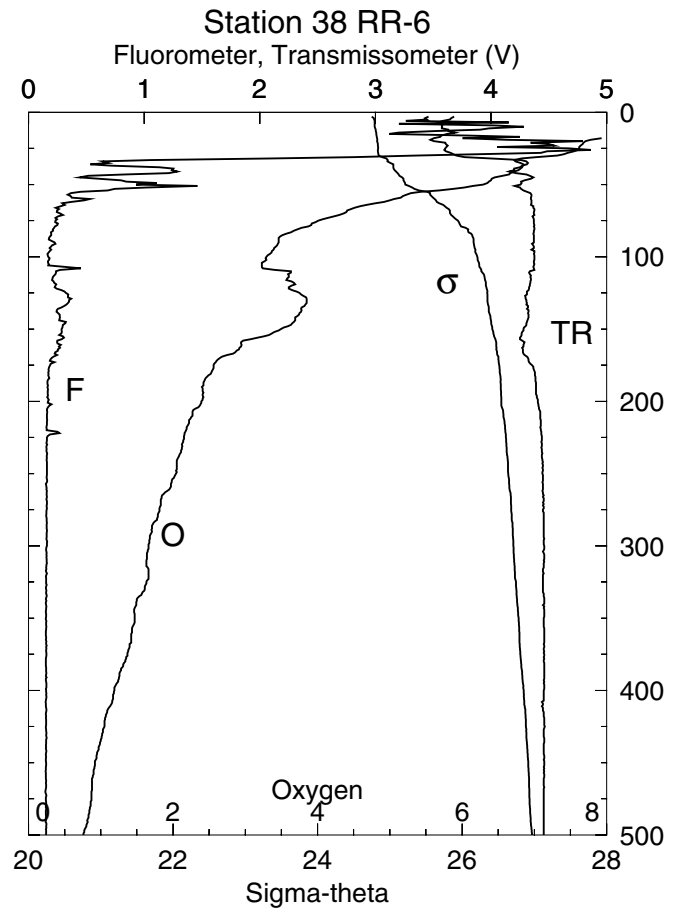
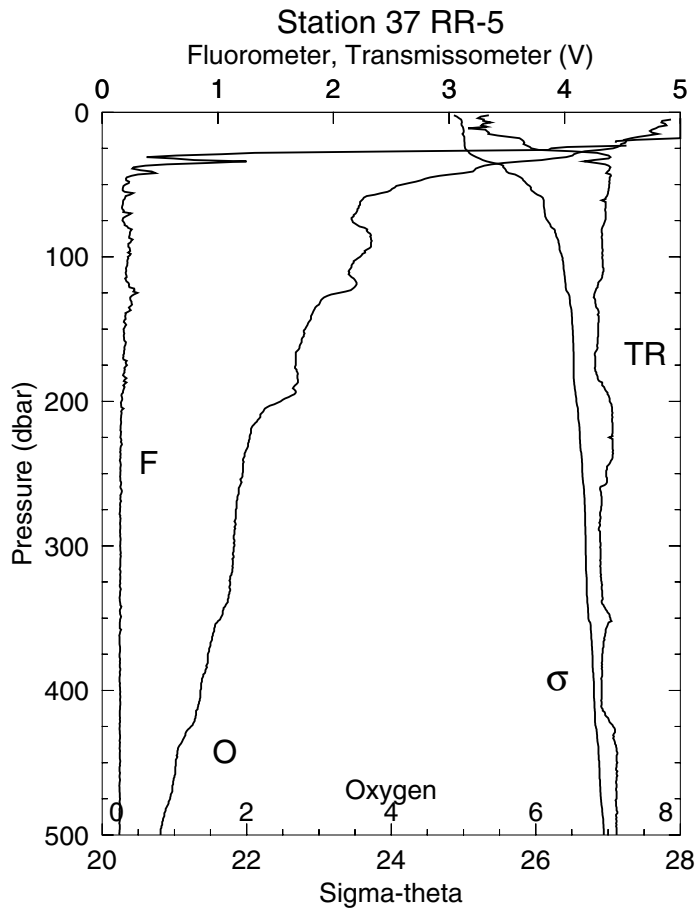




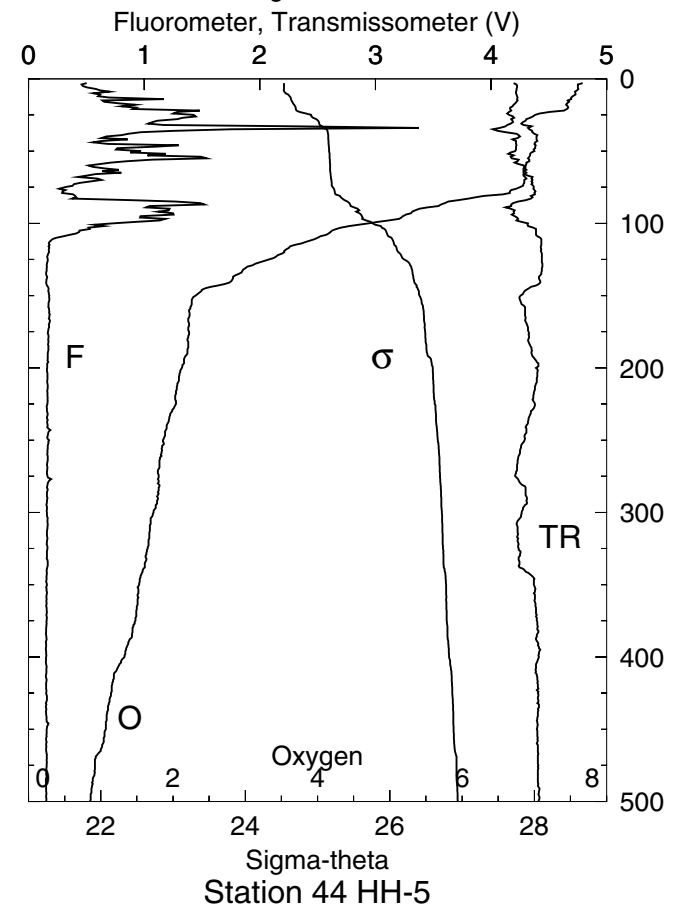
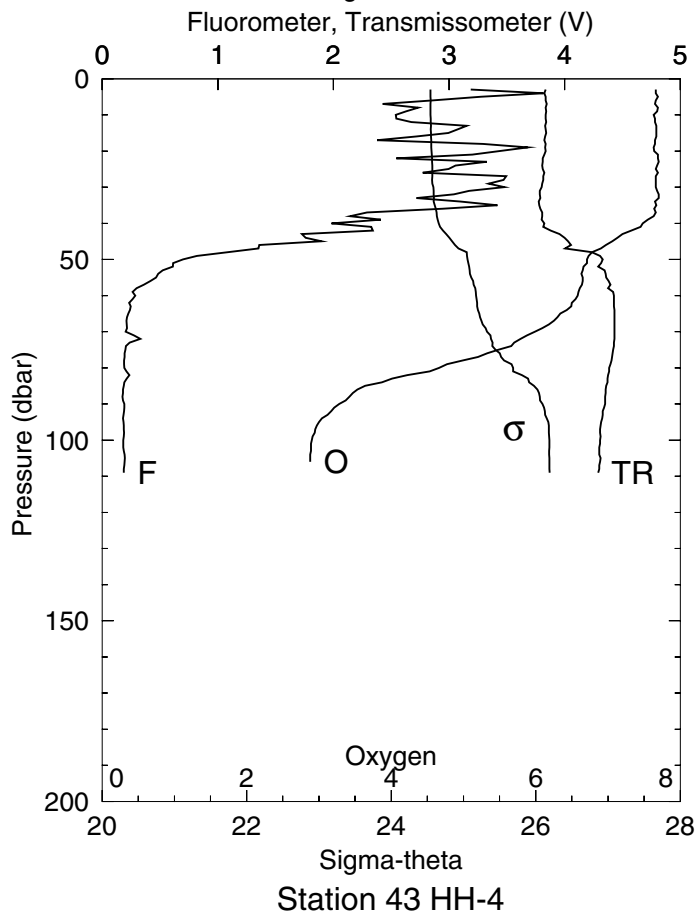
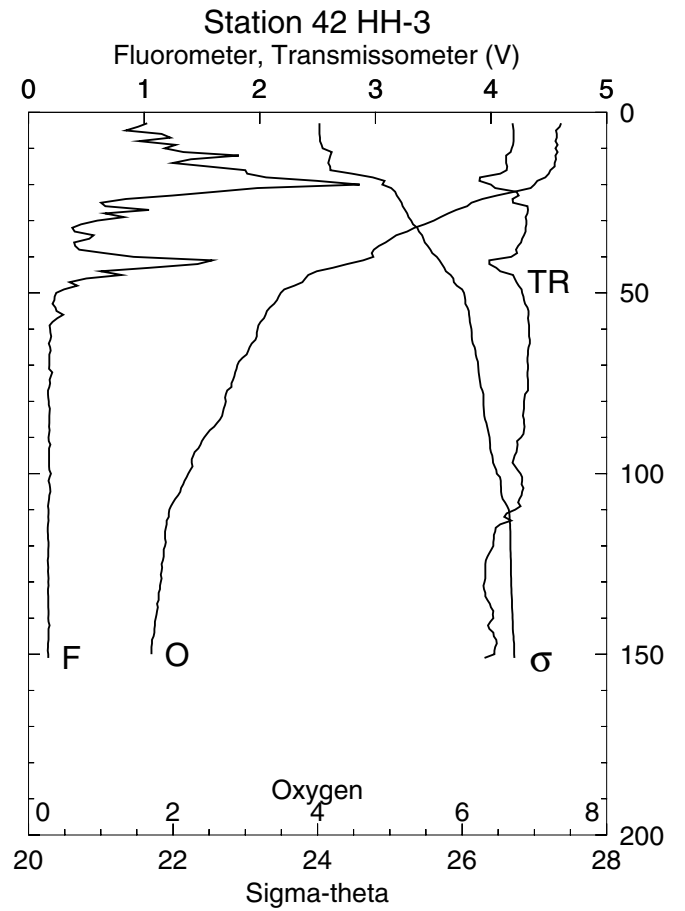
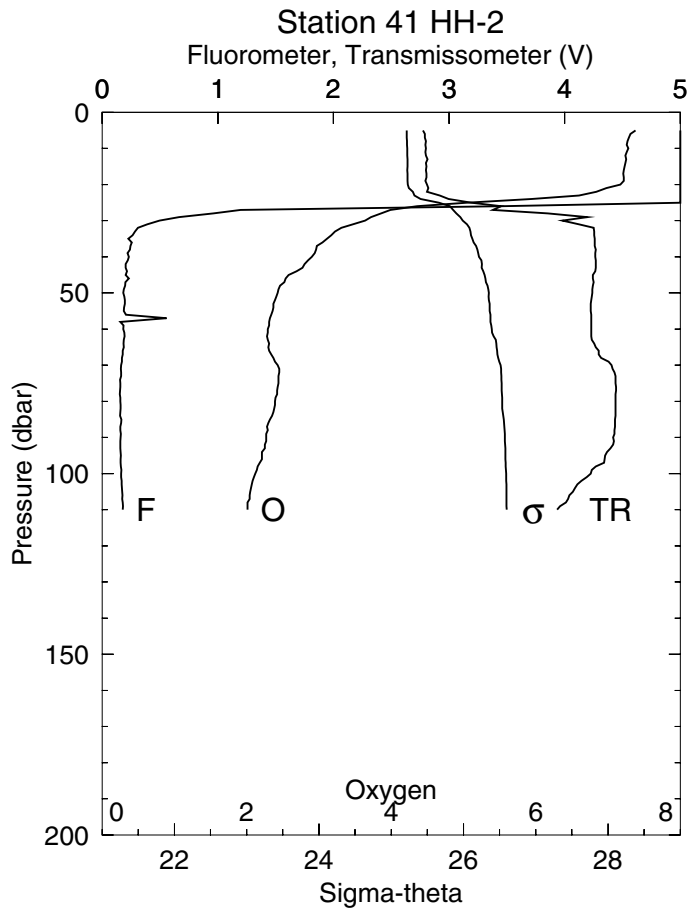


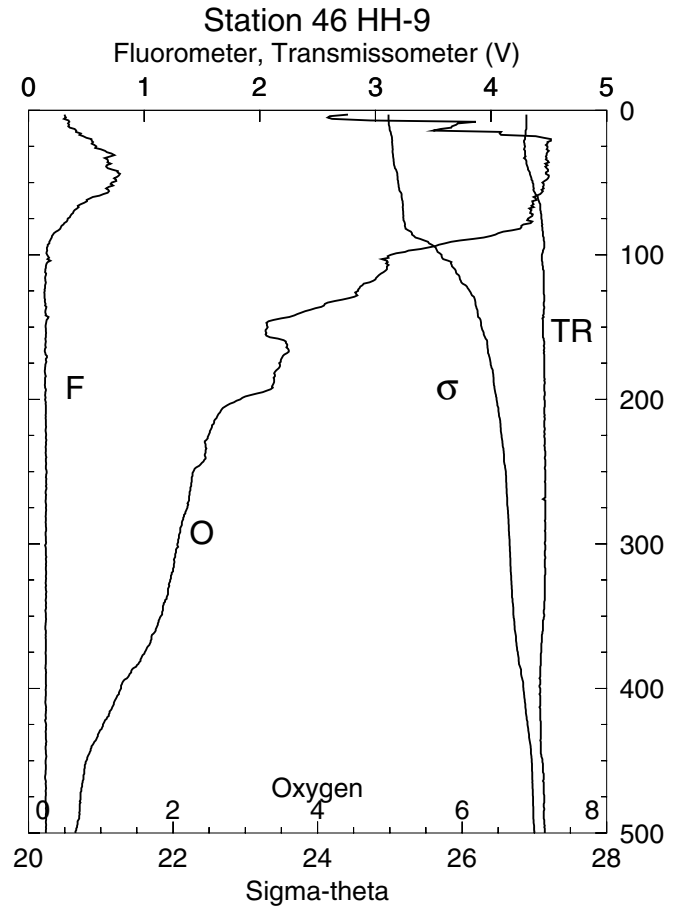
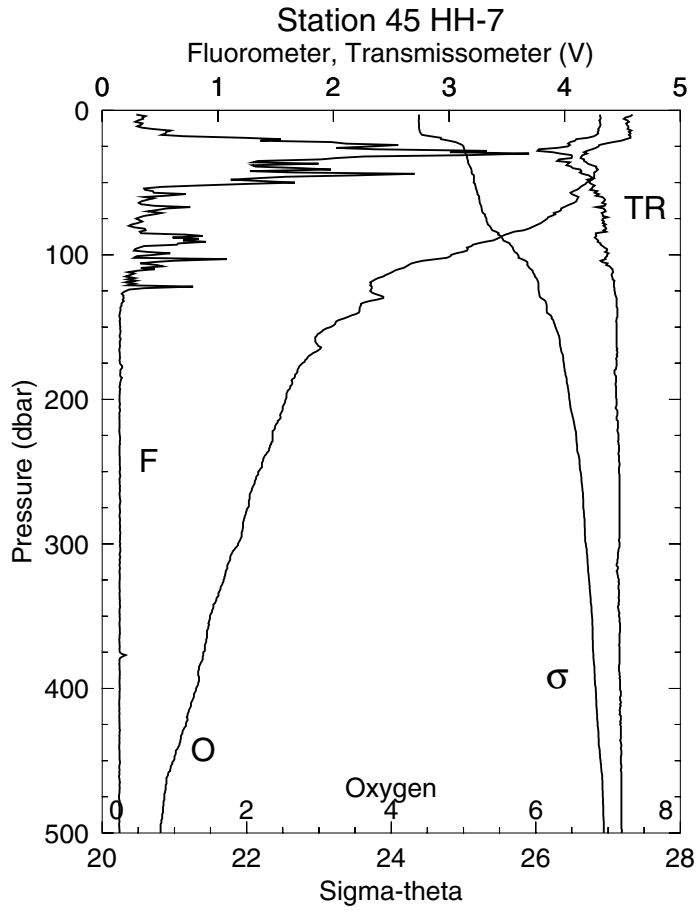
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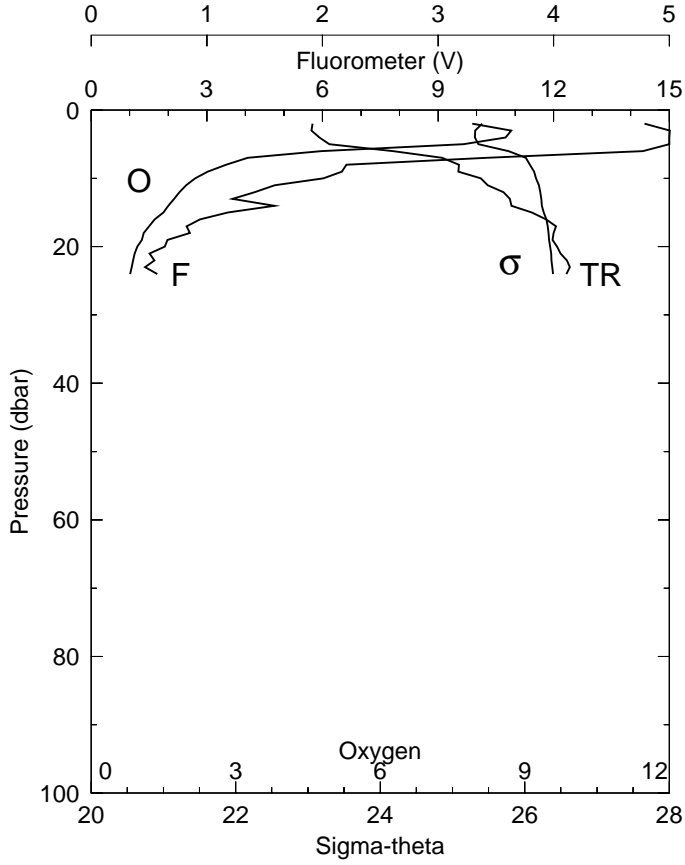
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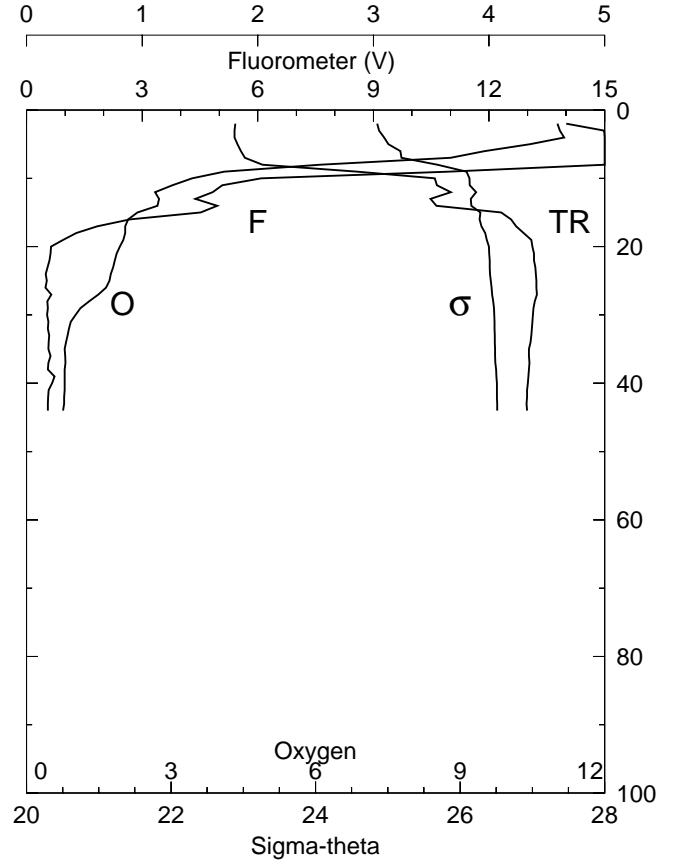


W0207A

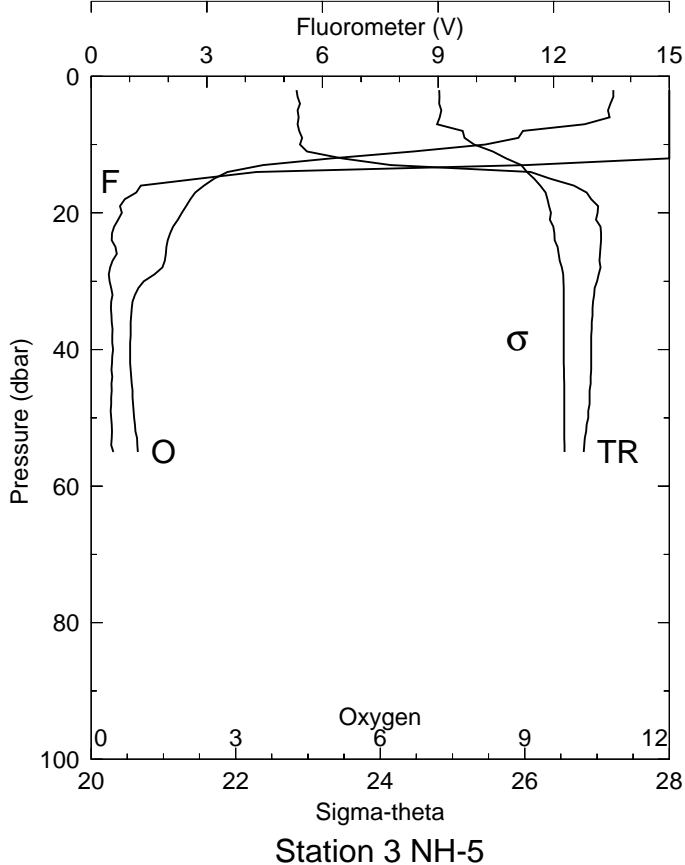
Station 1 NH-1
Transmissometer (V)



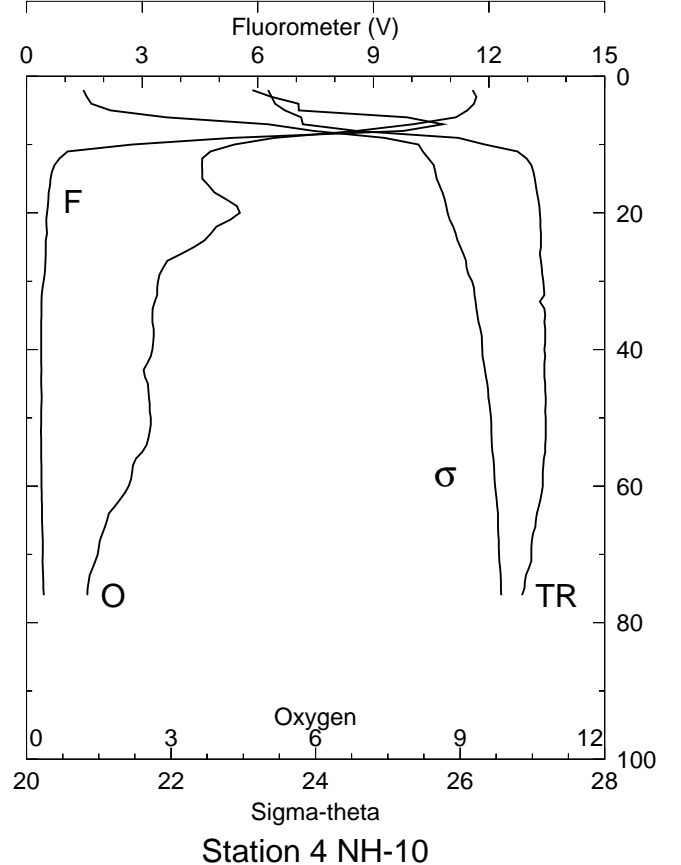
Station 2 NH-3
Transmissometer (V)



Station 3 NH-5
Transmissometer (V)

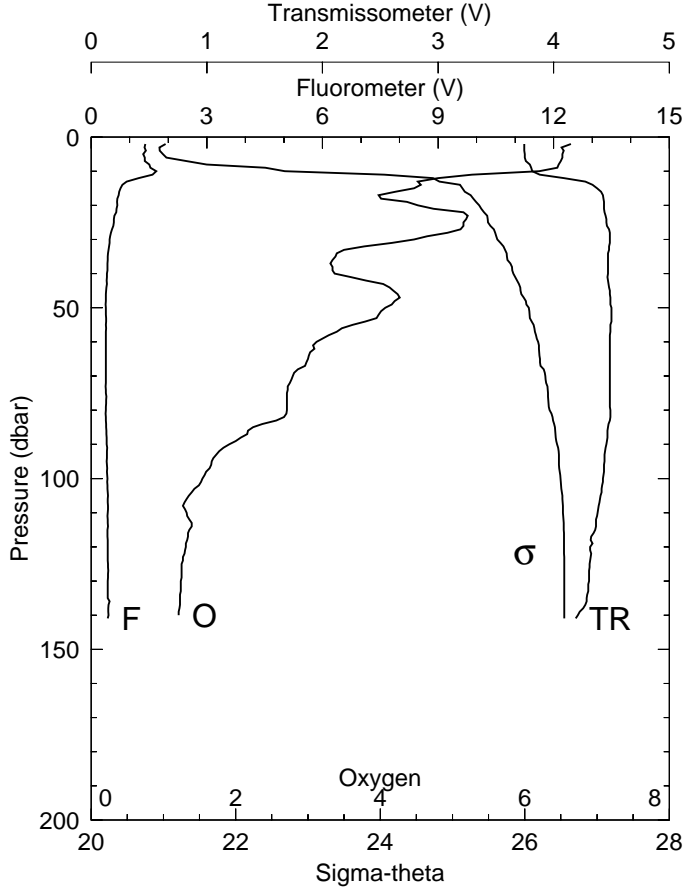


Station 4 NH-10
Transmissometer (V)

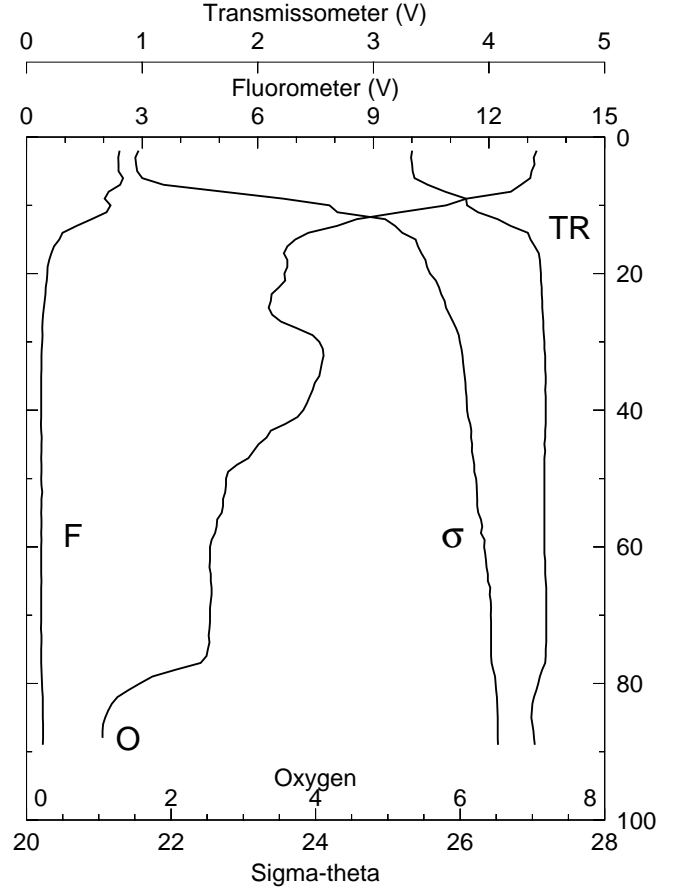


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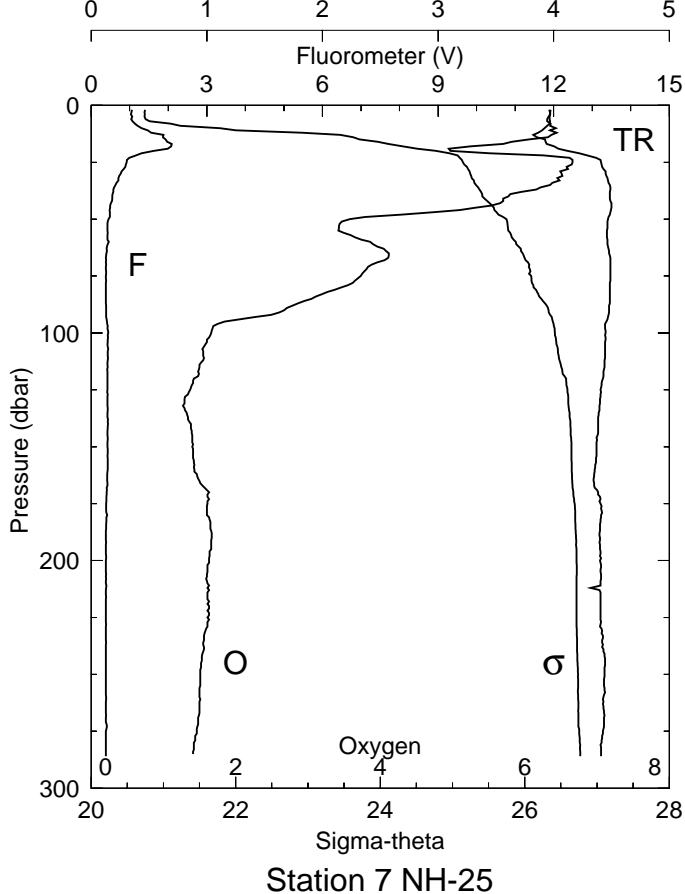
Station 5 NH-20



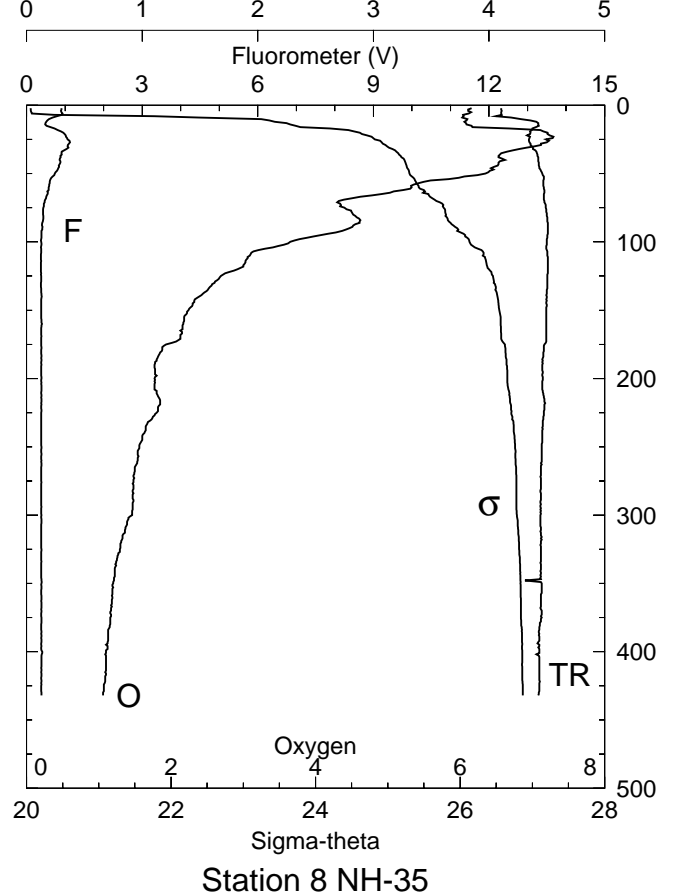
Station 6 NH-15



Station 7 NH-25

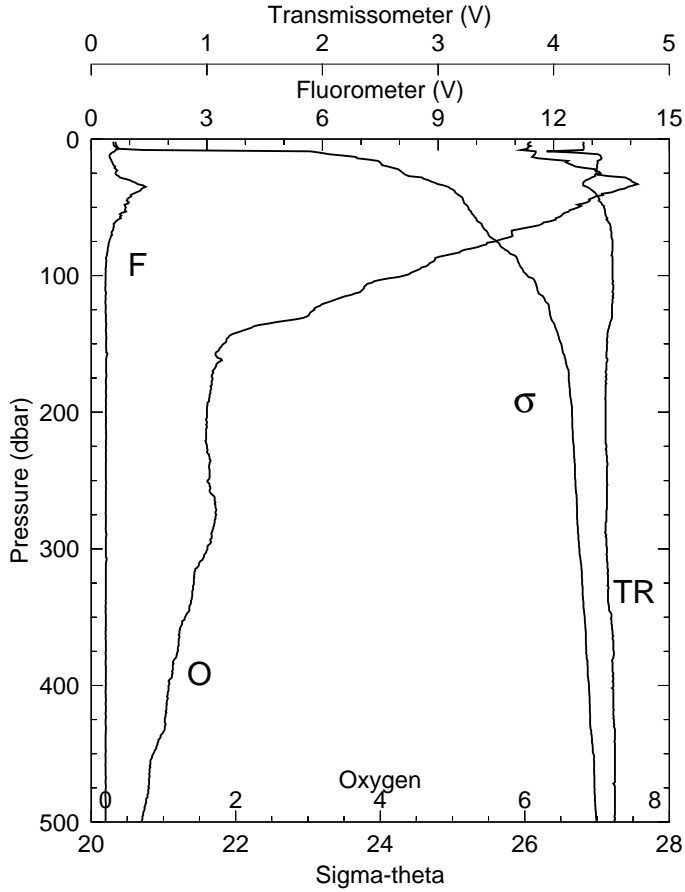


Station 8 NH-35

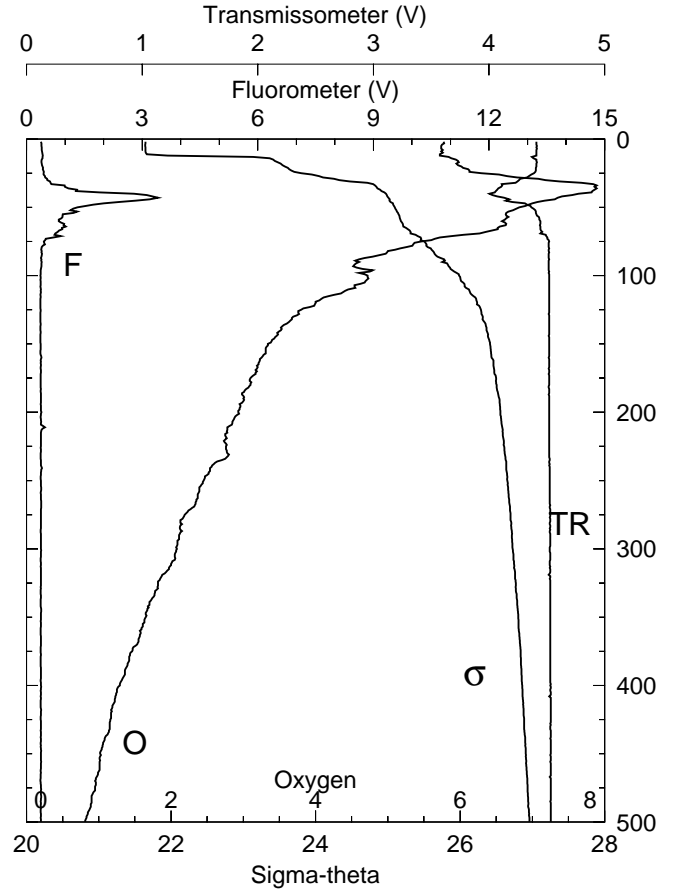


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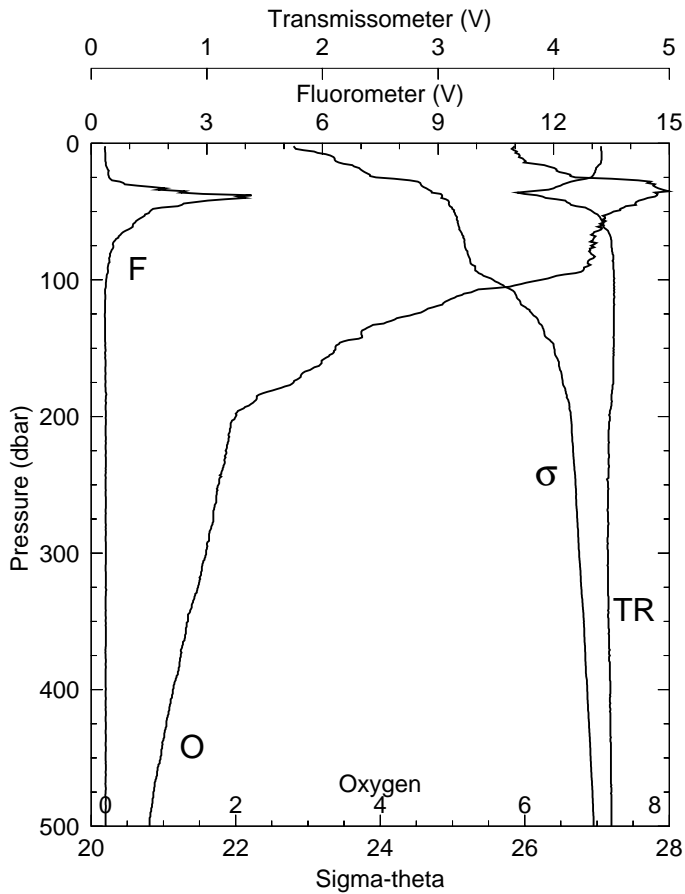
Station 9 NH-45



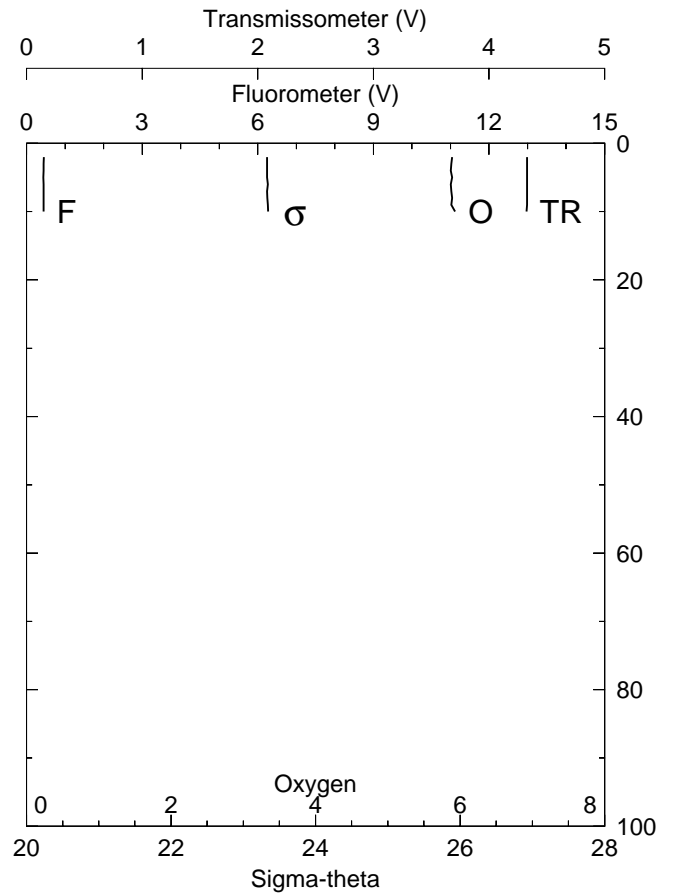
Station 10 NH-55



Station 11 NH-65

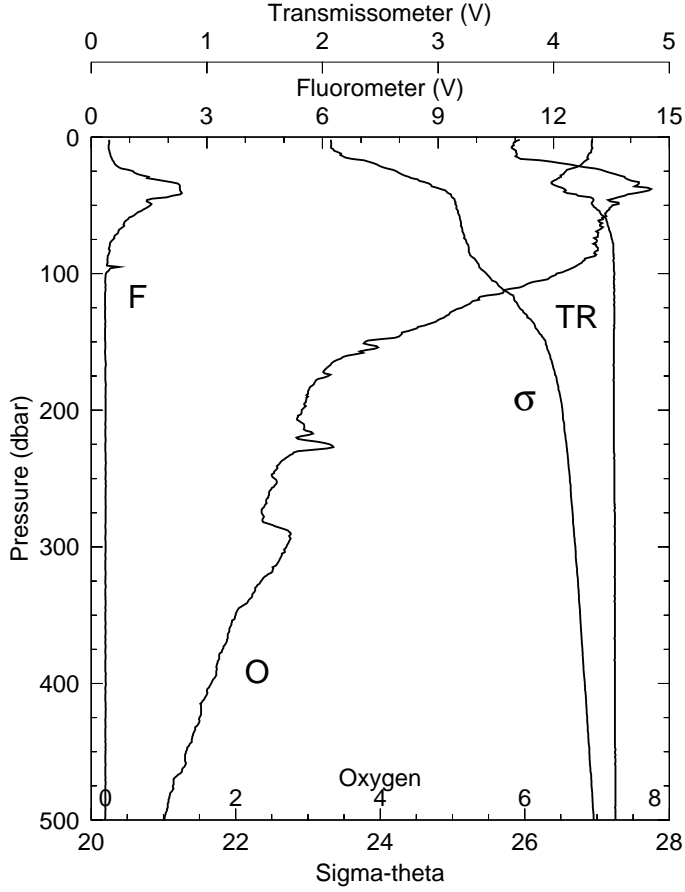


Station 12 NH-85

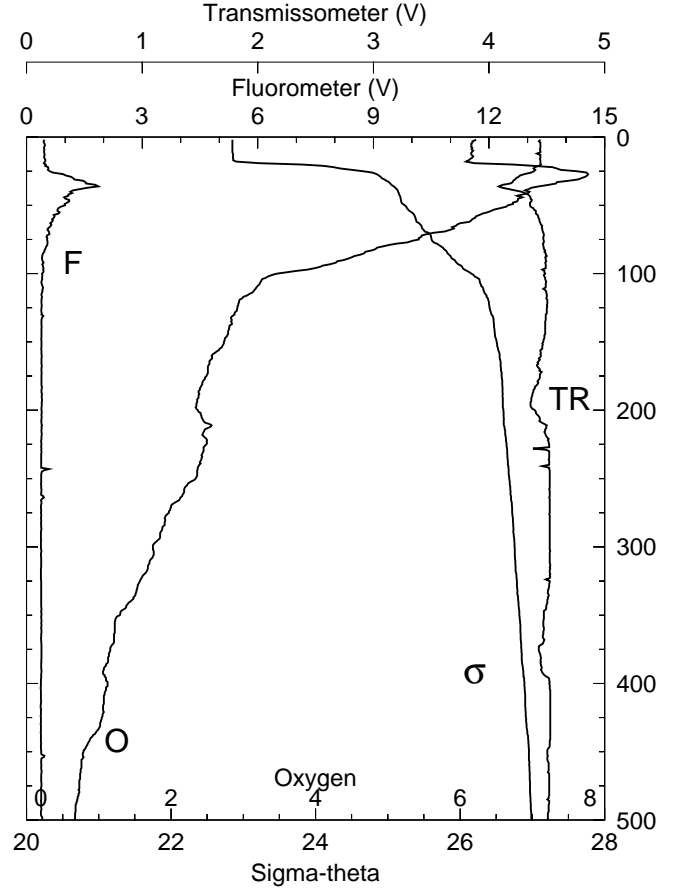


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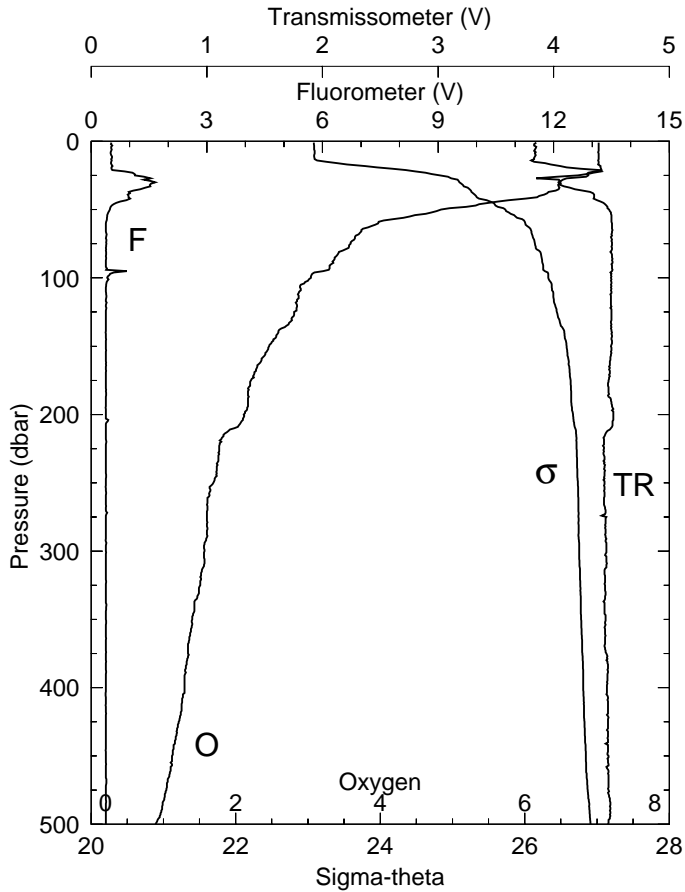
Station 13 NH-85



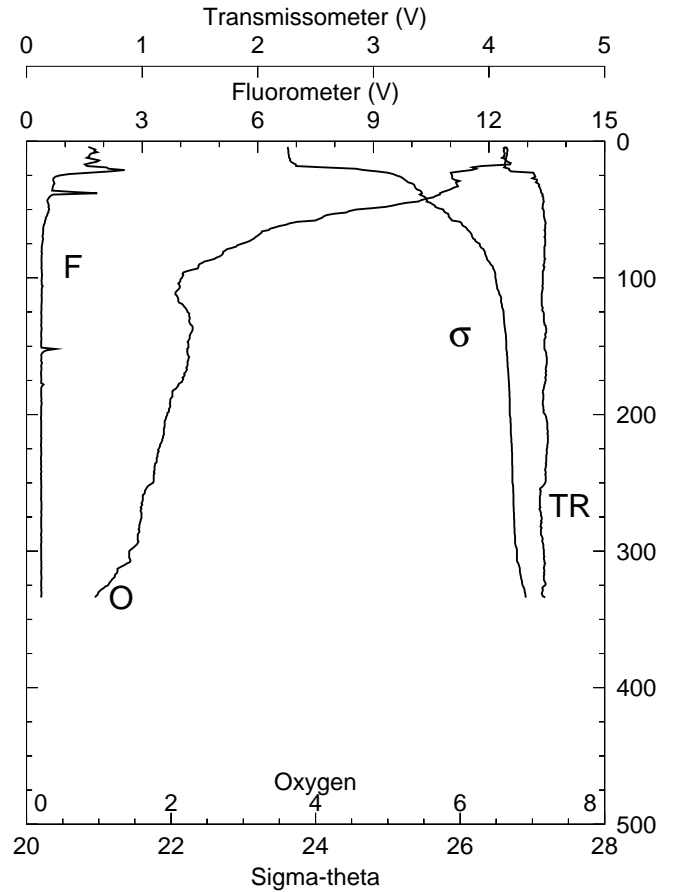
Station 14 FM-9



Station 15 FM-8

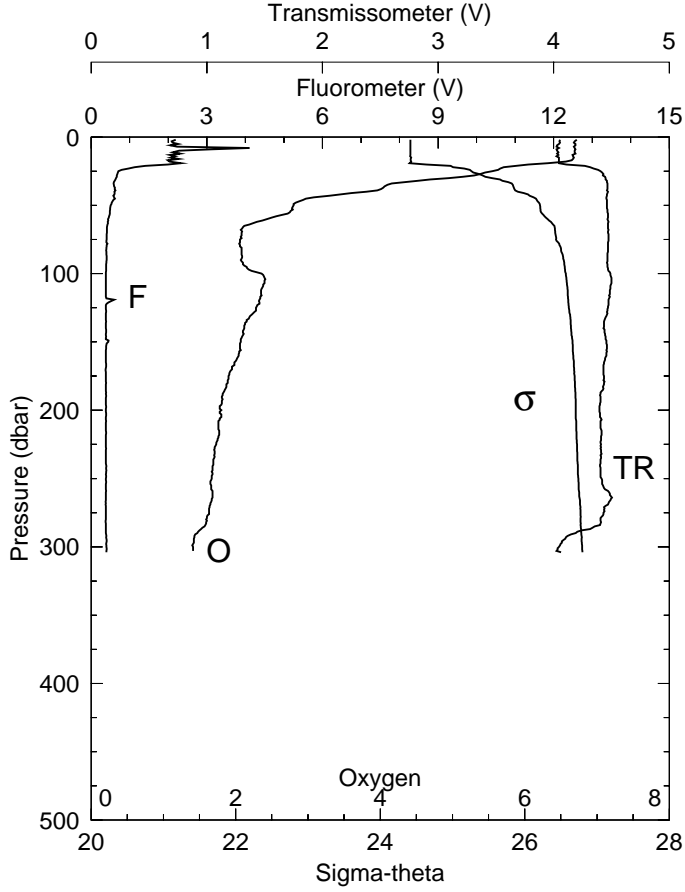


Station 16 FM-7

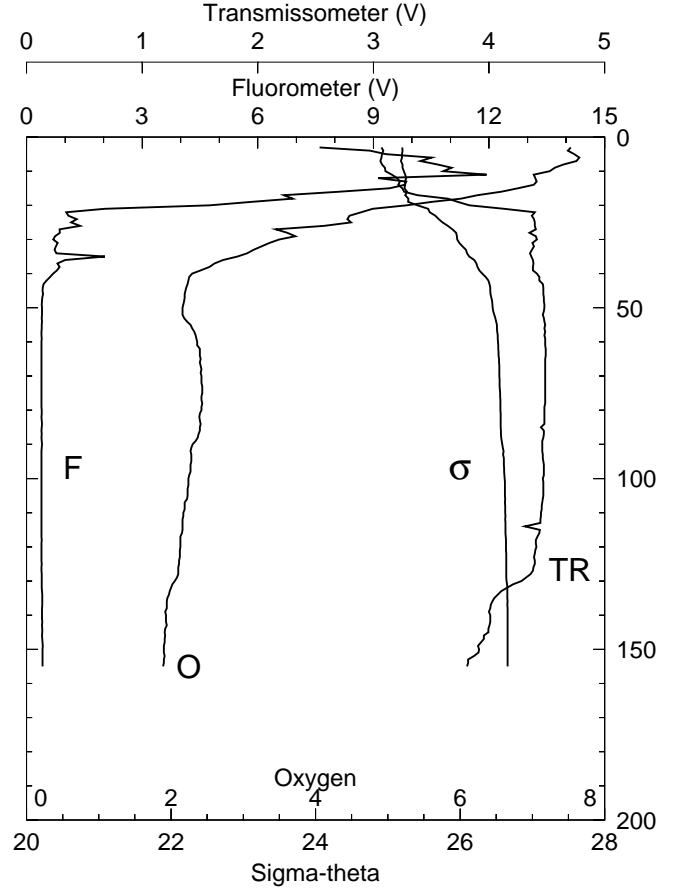


W0207A

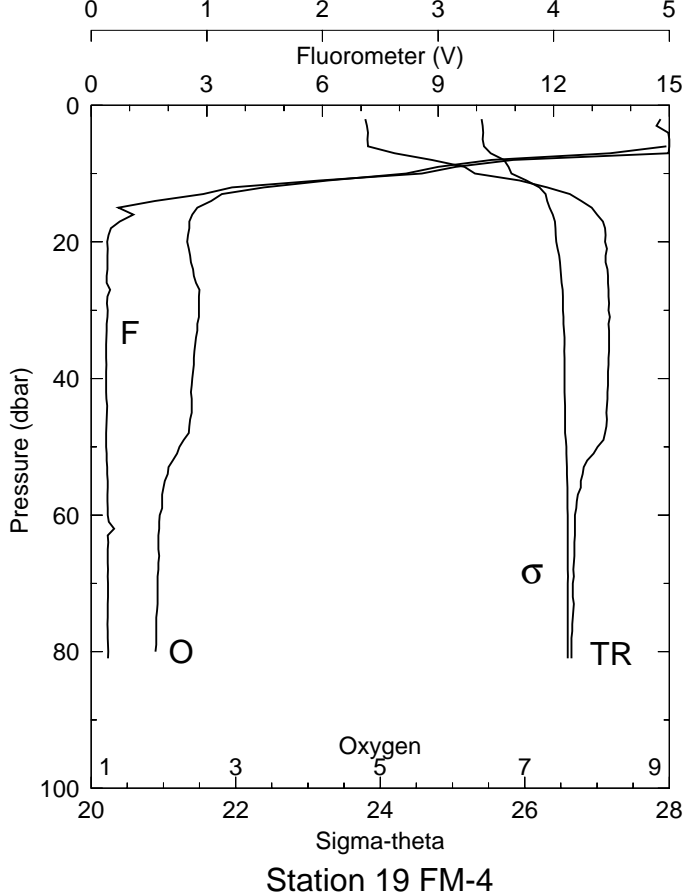
Station 17 FM-6



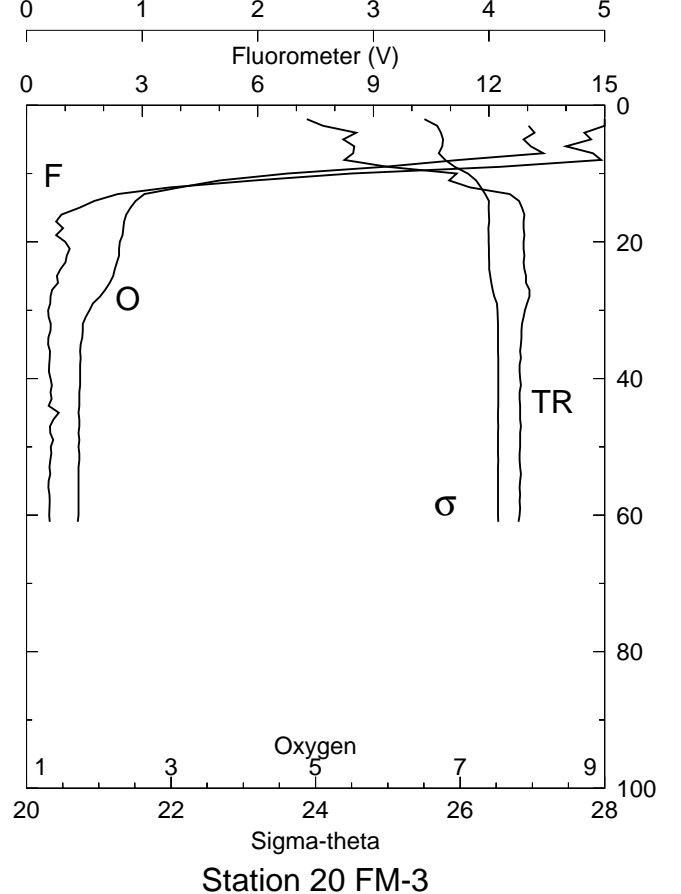
Station 18 FM-5



Station 19 FM-4



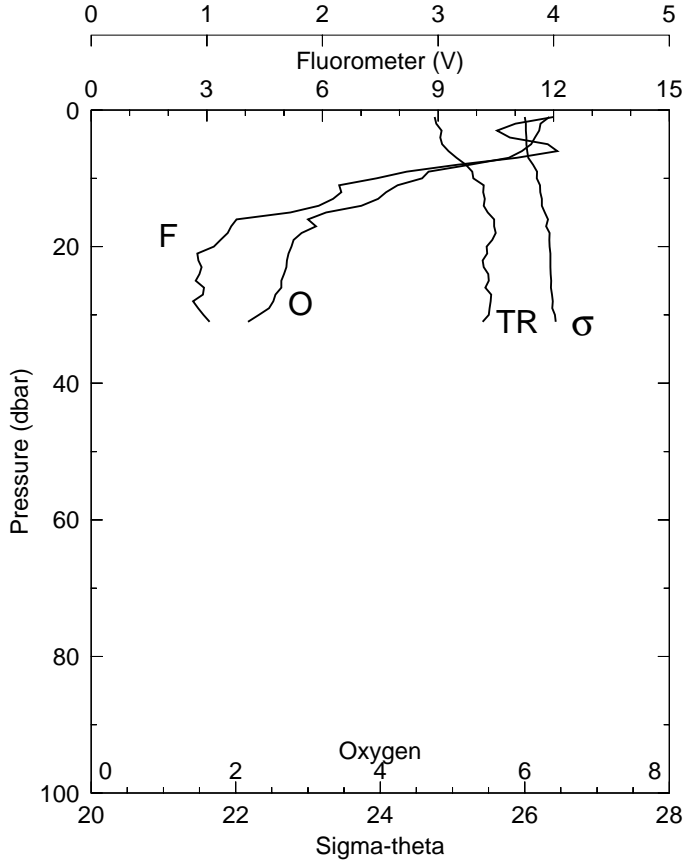
Station 20 FM-3



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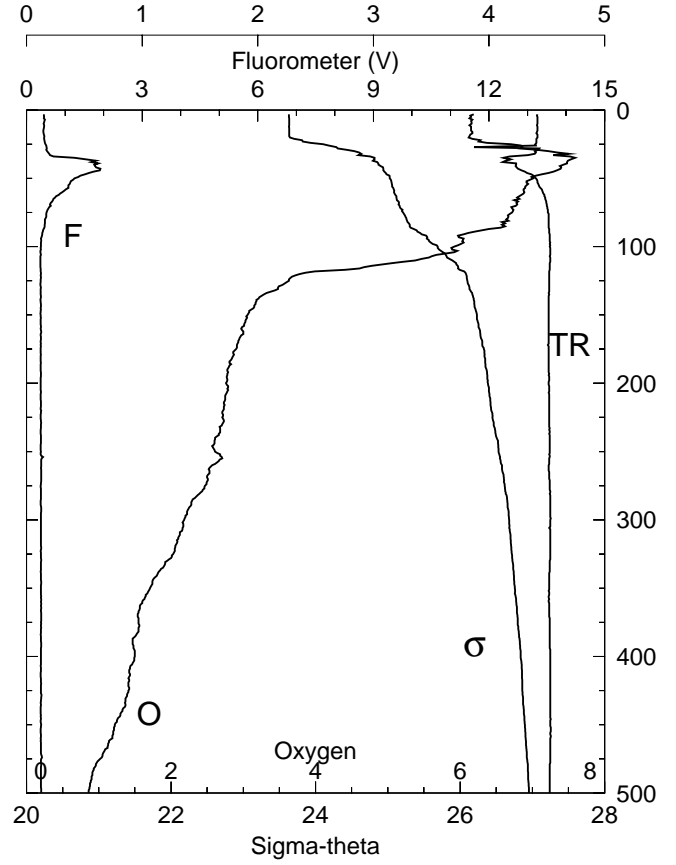
Station 21 FM-1

Transmissometer (V)

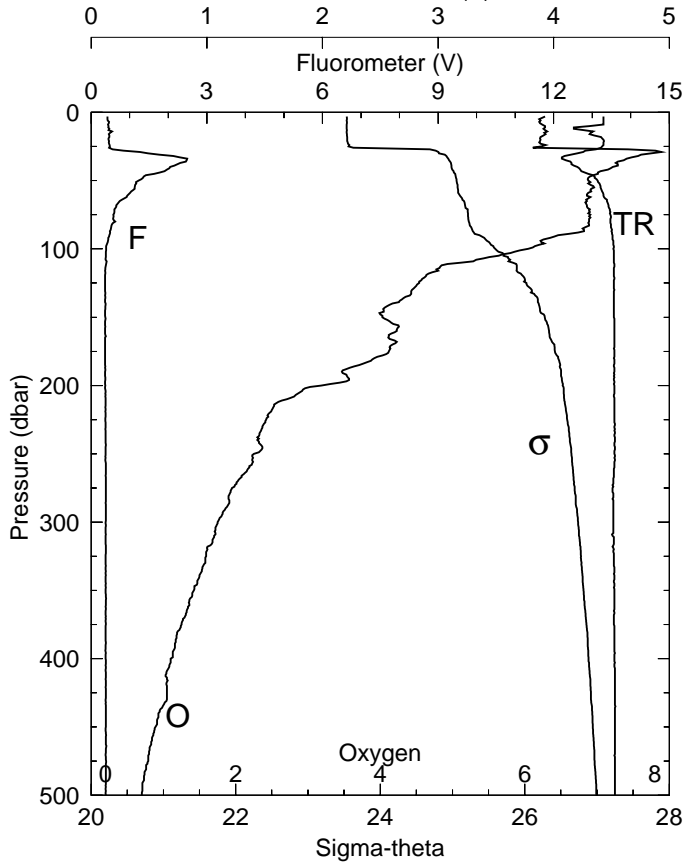


Station 22 CR-11

Transmissometer (V)

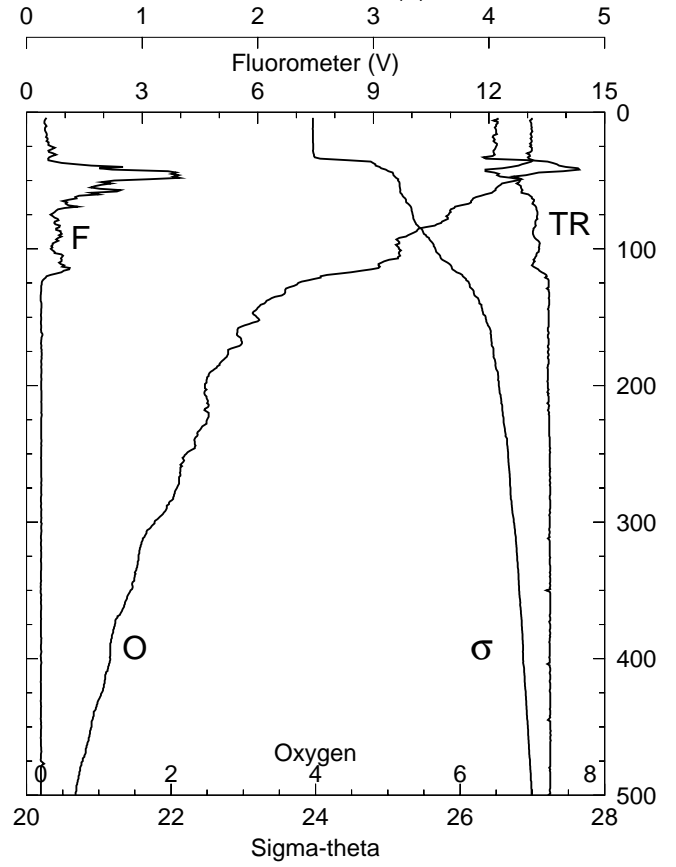


Transmissometer (V)



Station 23 CR-10

Transmissometer (V)

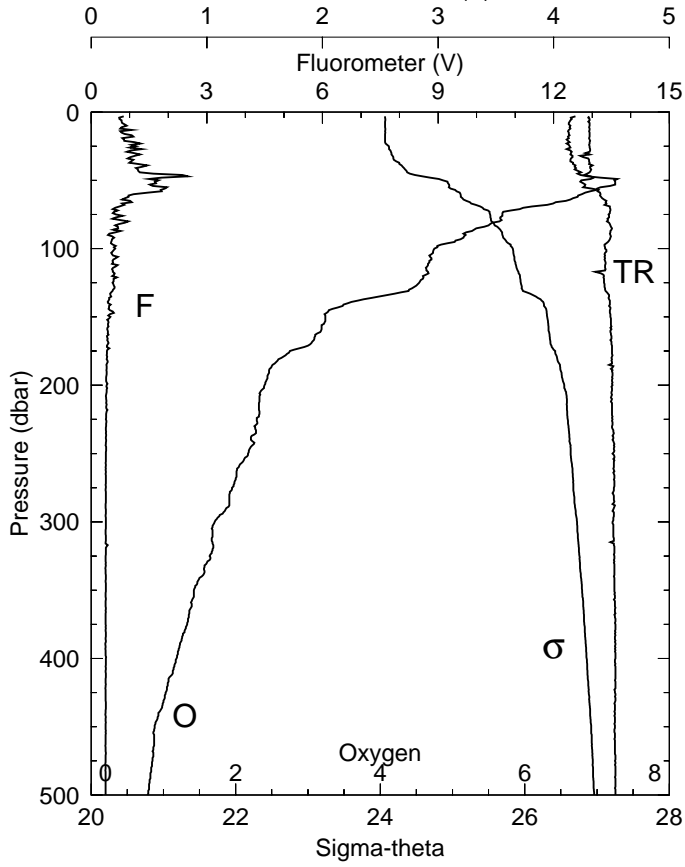


Station 24 CR-9a

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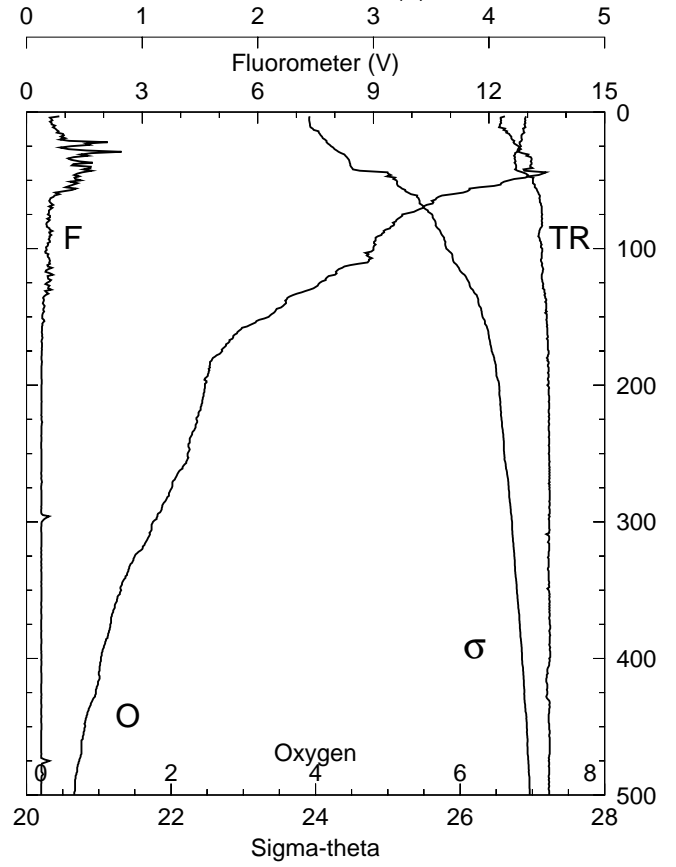
Station 25 CR-8

Transmissometer (V)

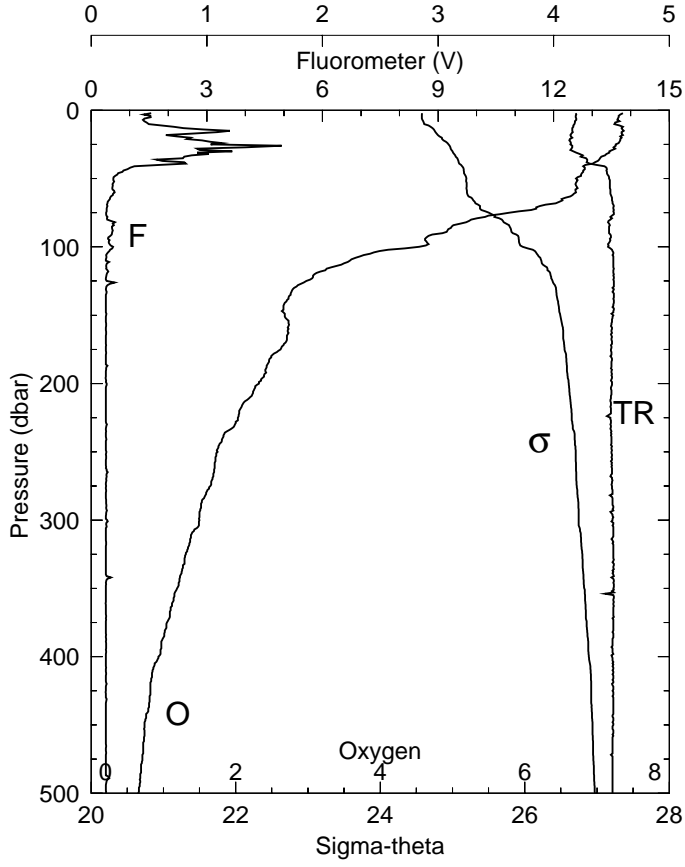


Station 26 CR-7

Transmissometer (V)

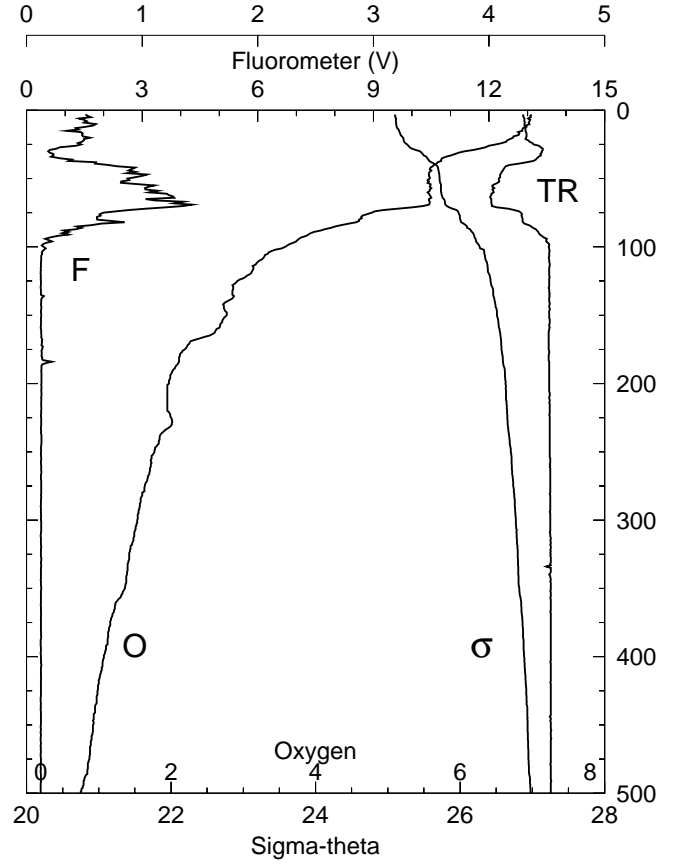


Transmissometer (V)



Station 27 CR-6

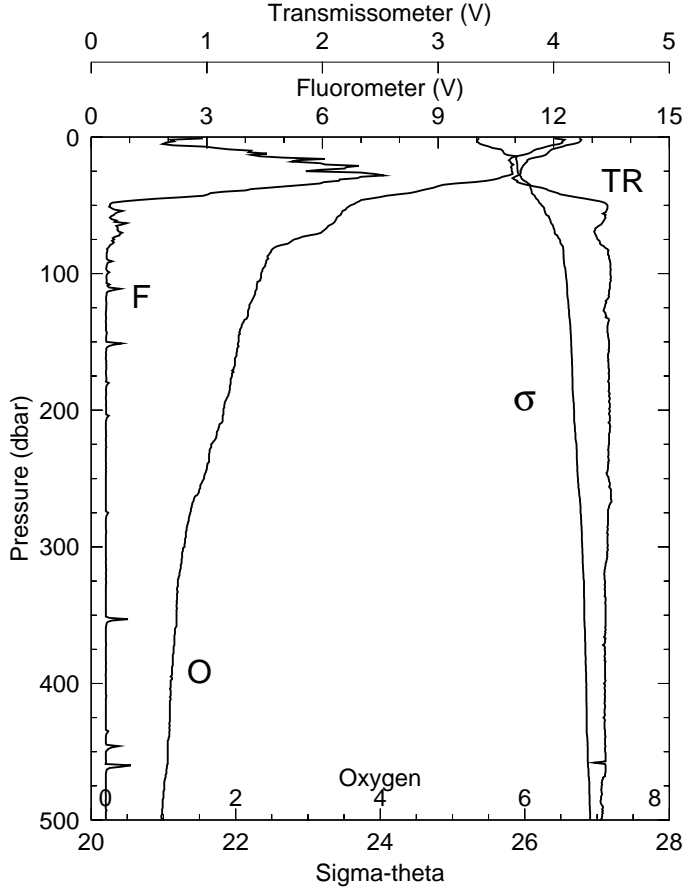
Transmissometer (V)



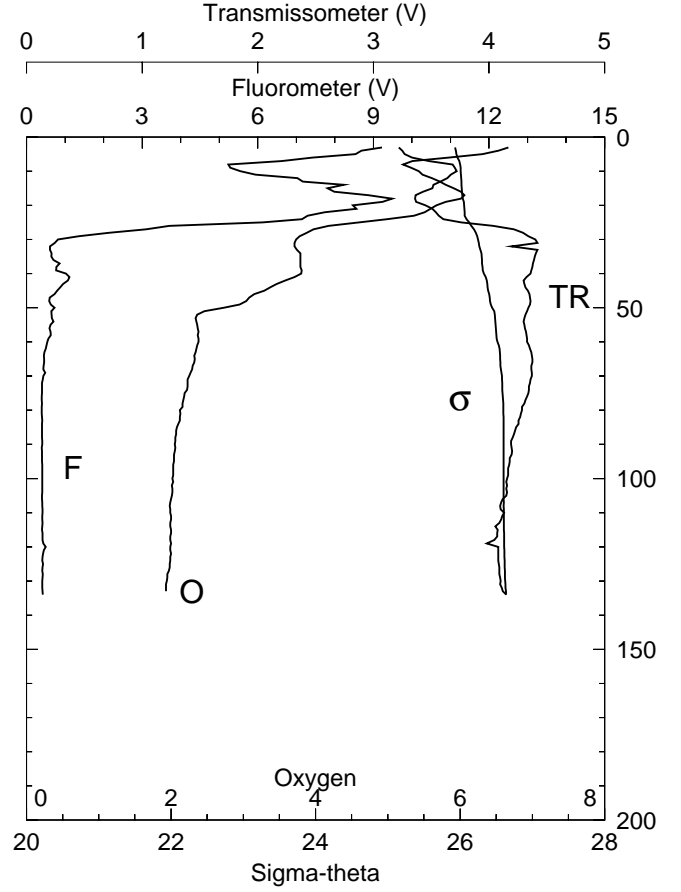
Station 28 CR-5

W0207A

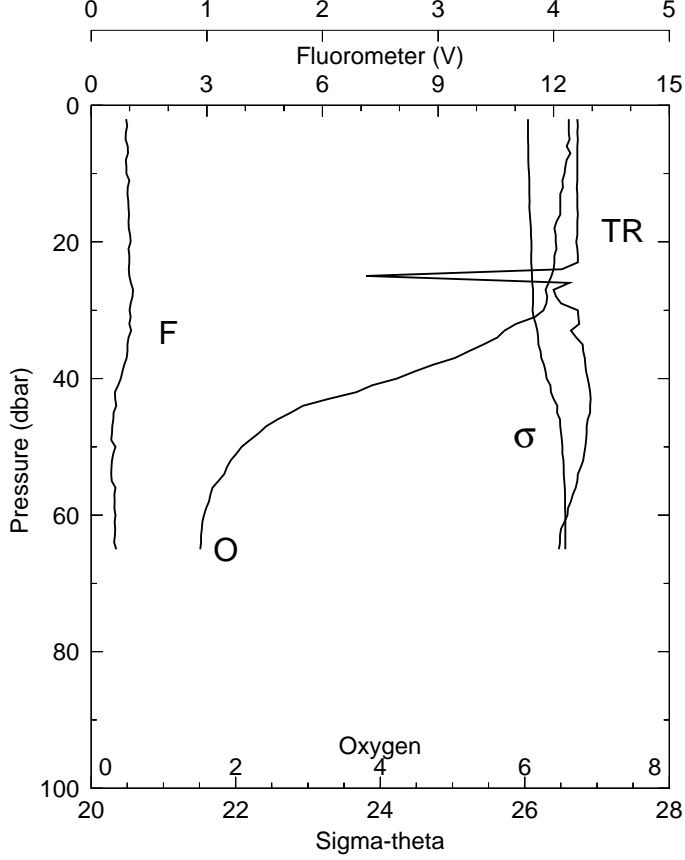
Station 29 CR-4



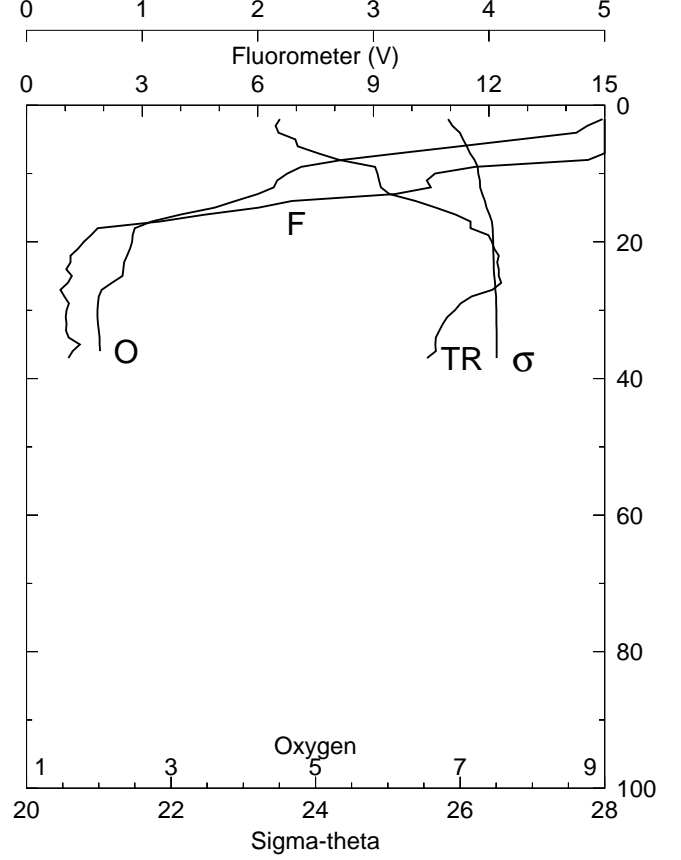
Station 30 CR-3



Station 31 CR-2

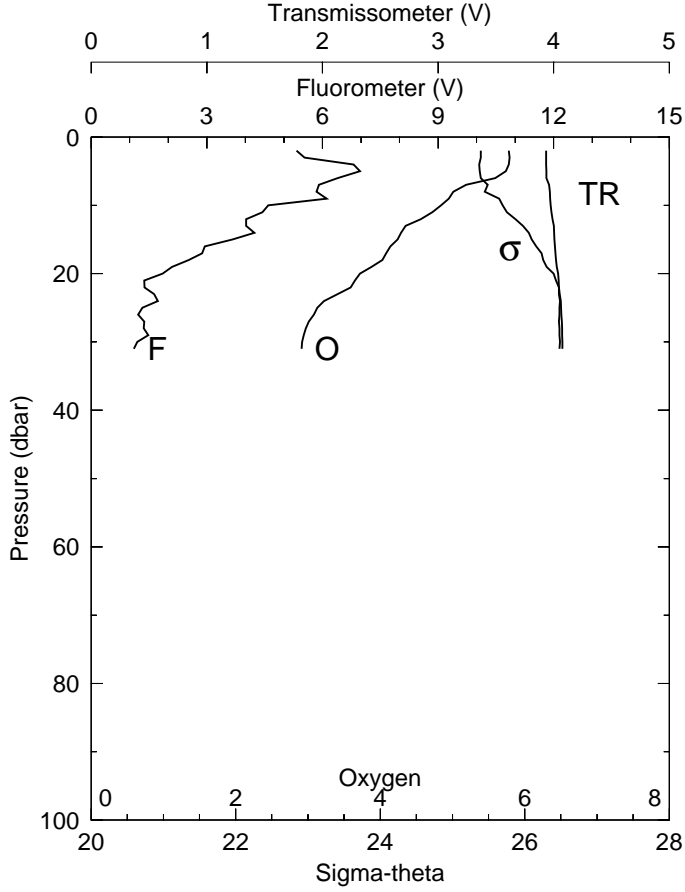


Station 32 CR-1

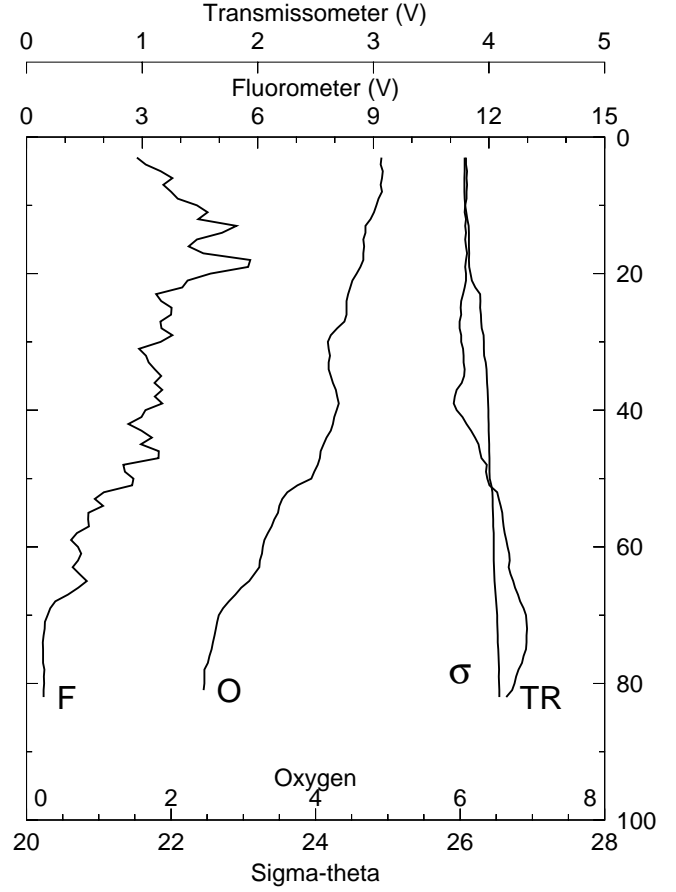


W0207A

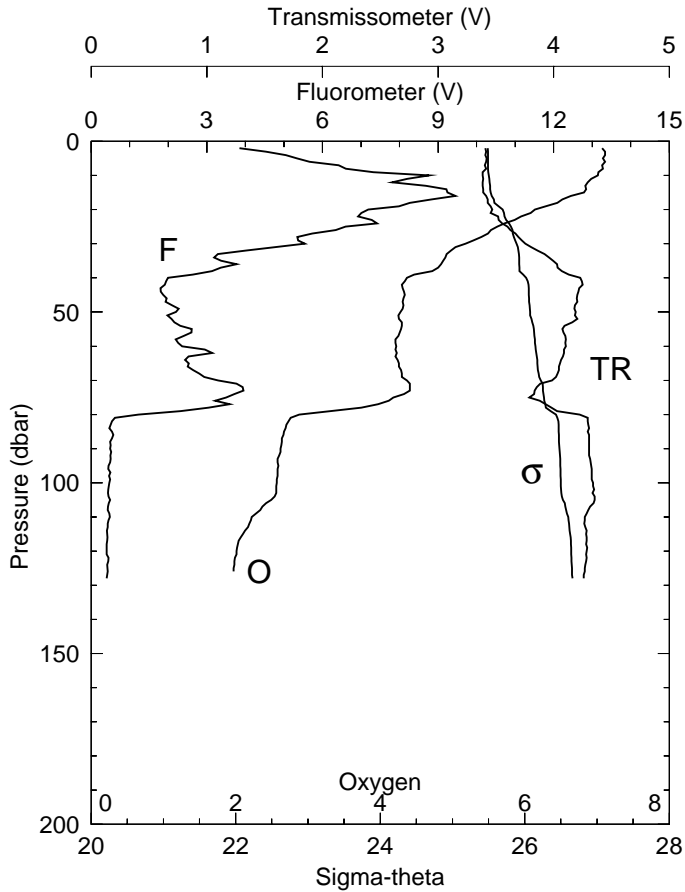
Station 33 RR-1



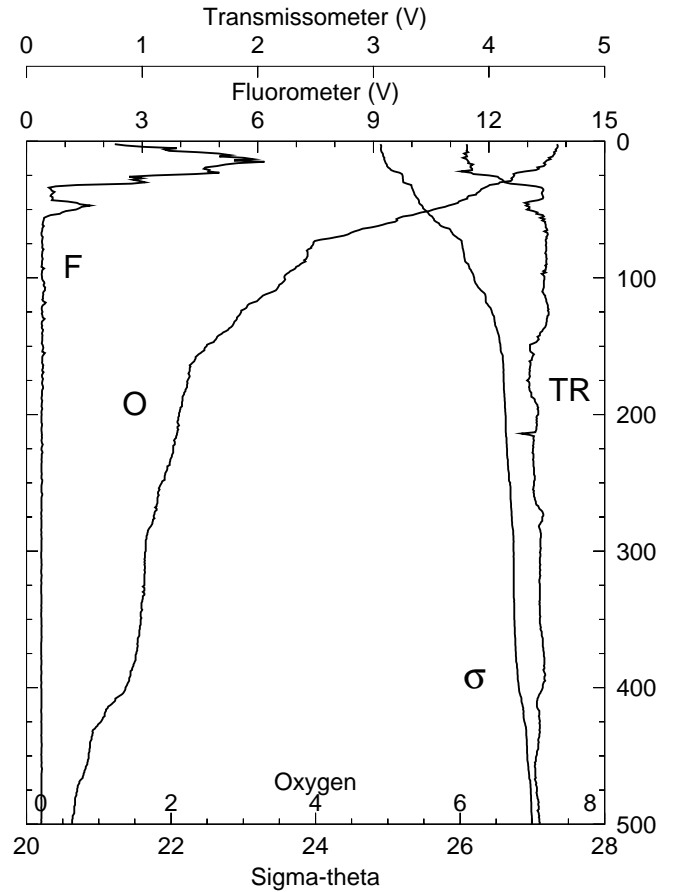
Station 34 RR-2



Station 35 RR-3

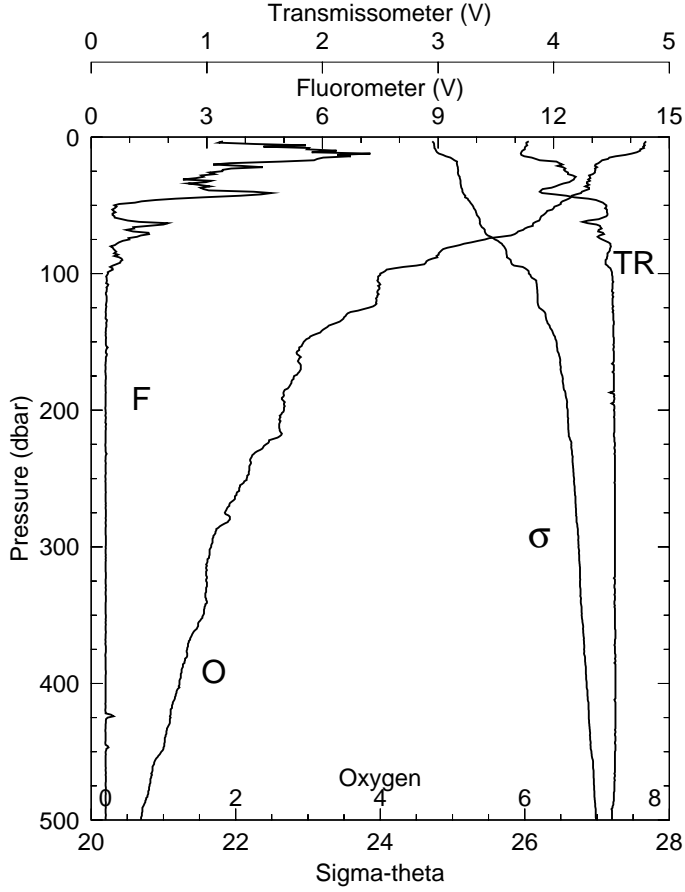


Station 36 RR-4

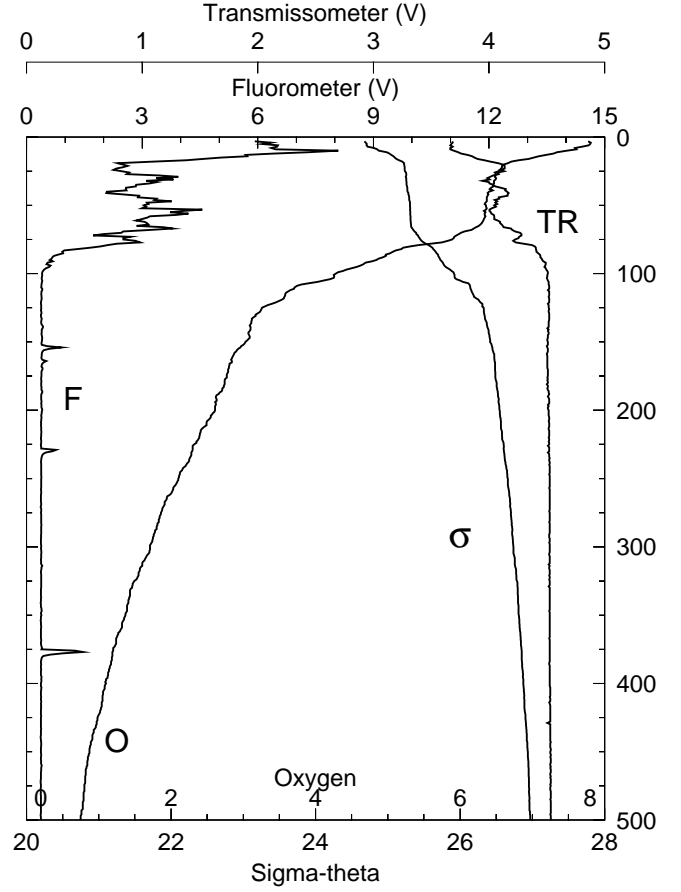


W0207A

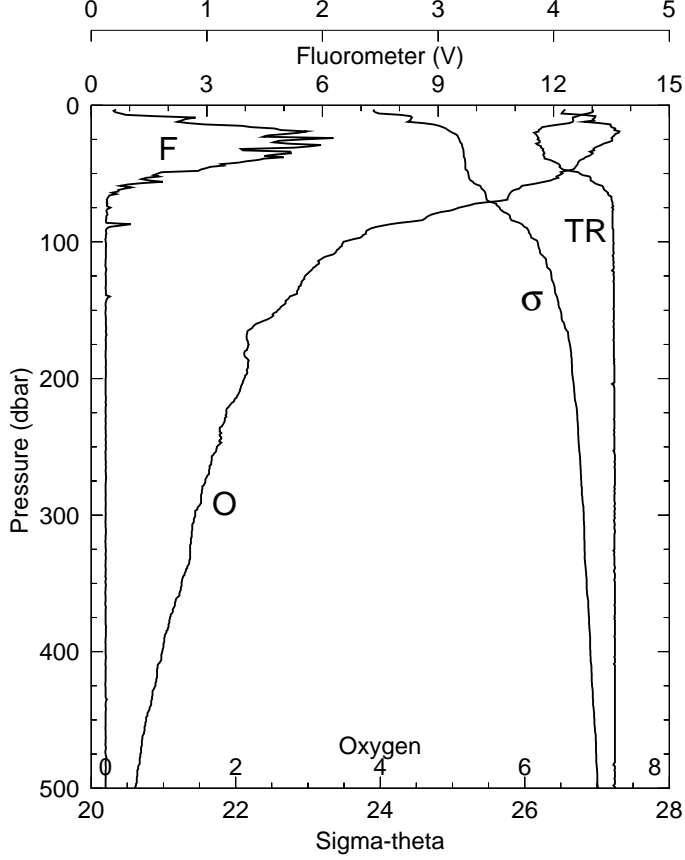
Station 37 RR-5



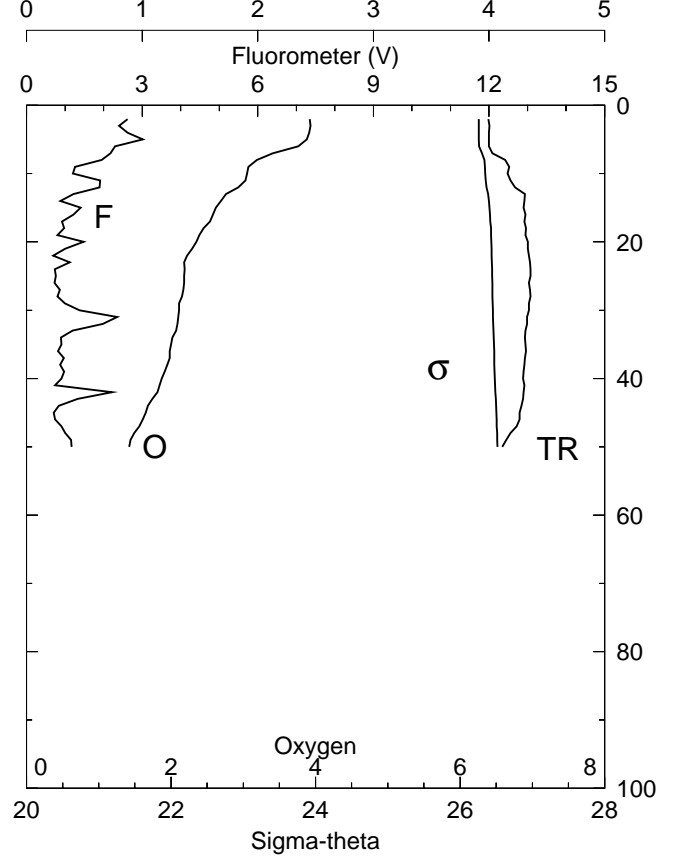
Station 38 RR-6



Station 39 RR-7

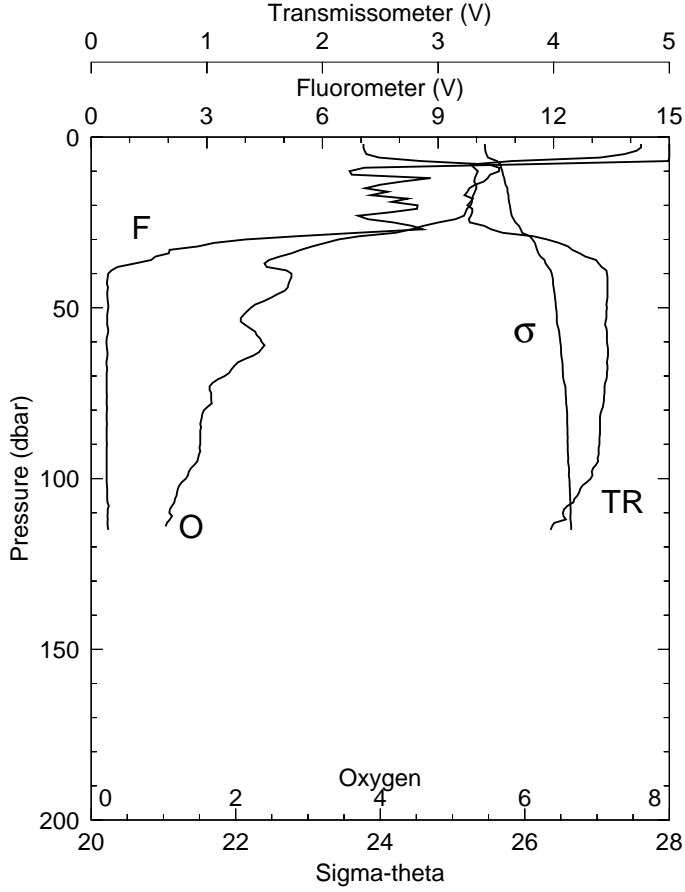


Station 40 HH-1

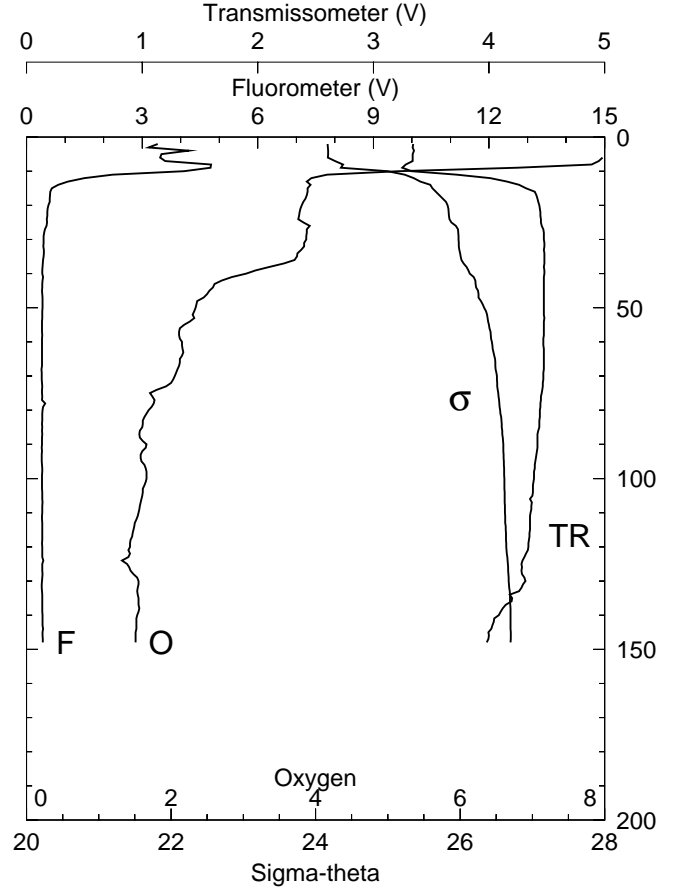


W0207A

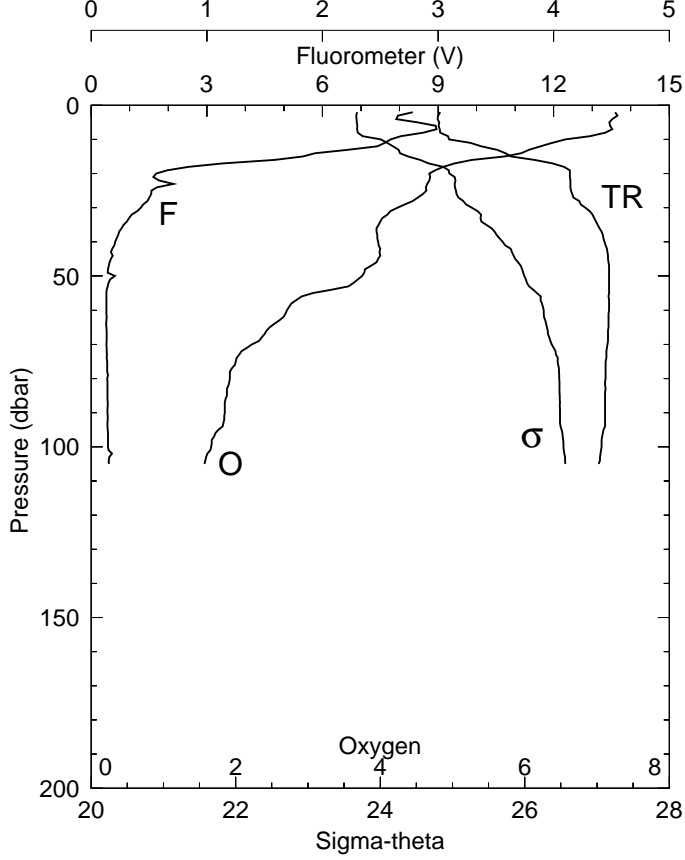
Station 41 HH-2



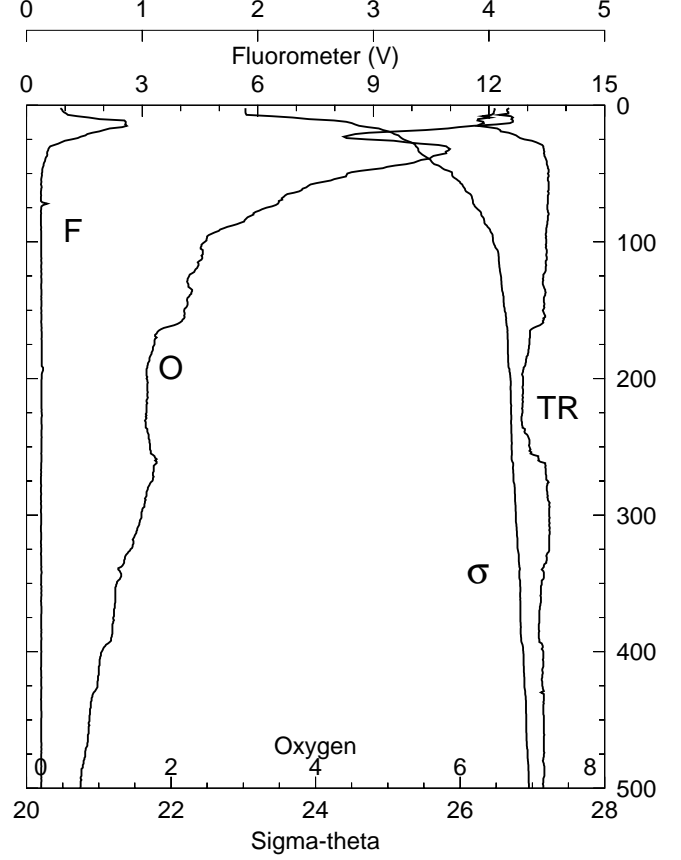
Station 42 HH-3



Station 43 HH-4

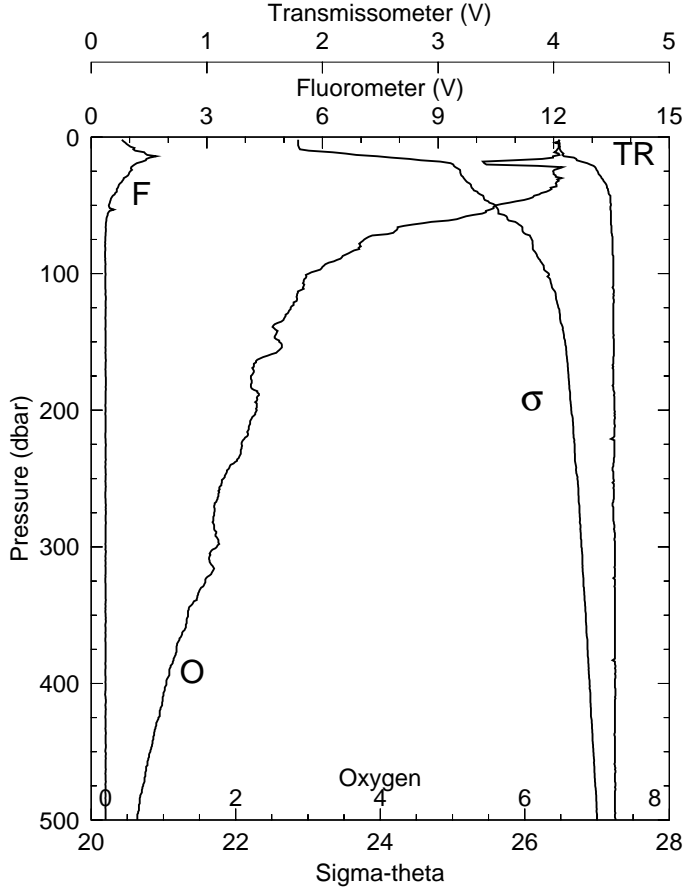


Station 44 HH-5

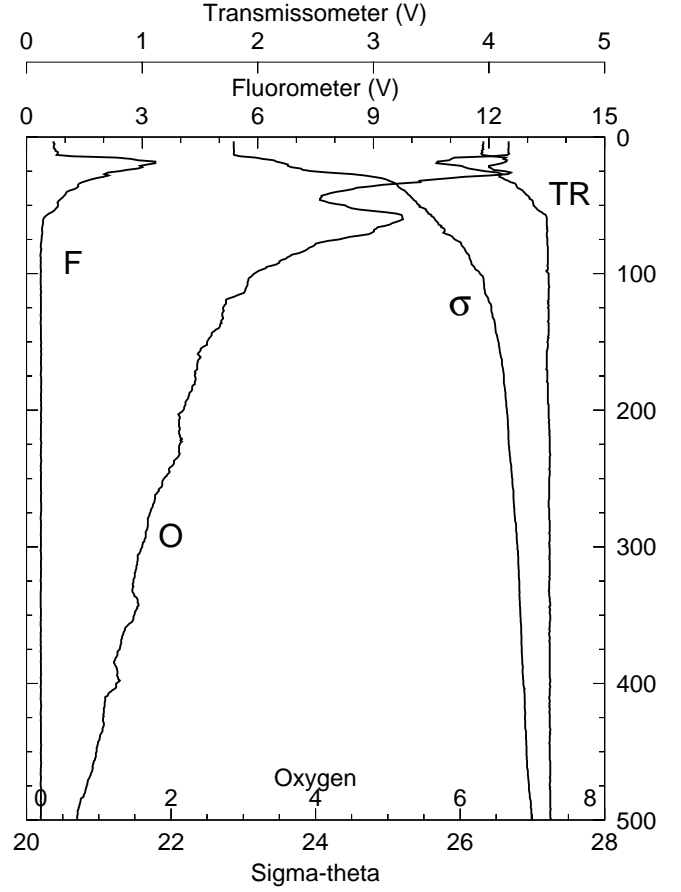


W0207A

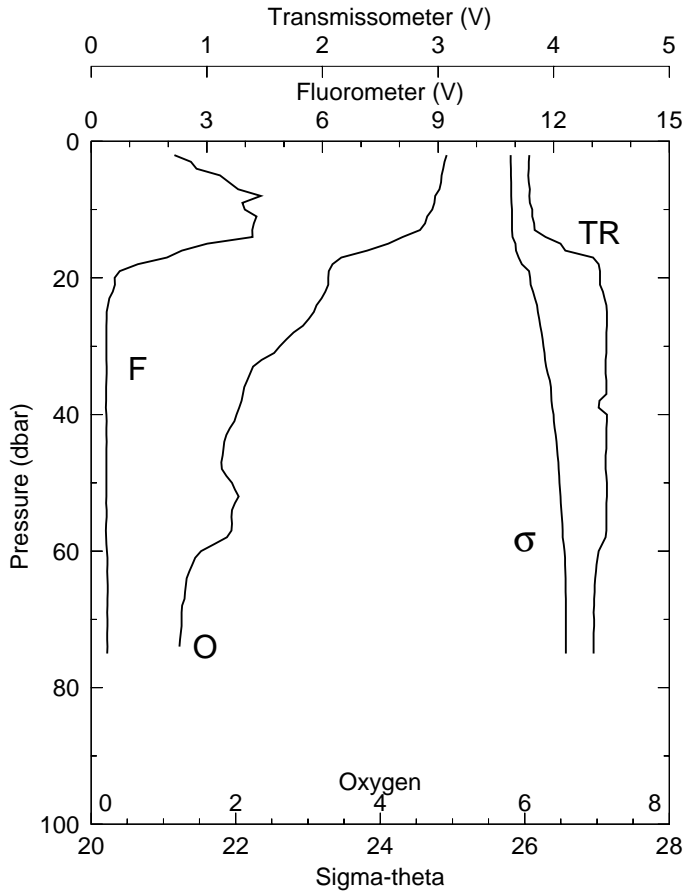
Station 45 HH-7

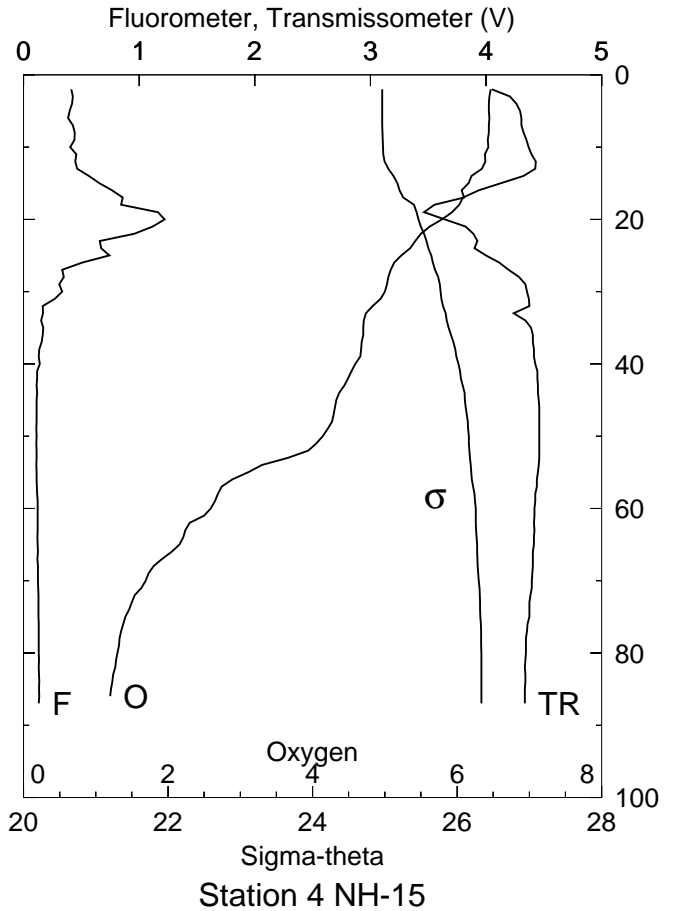
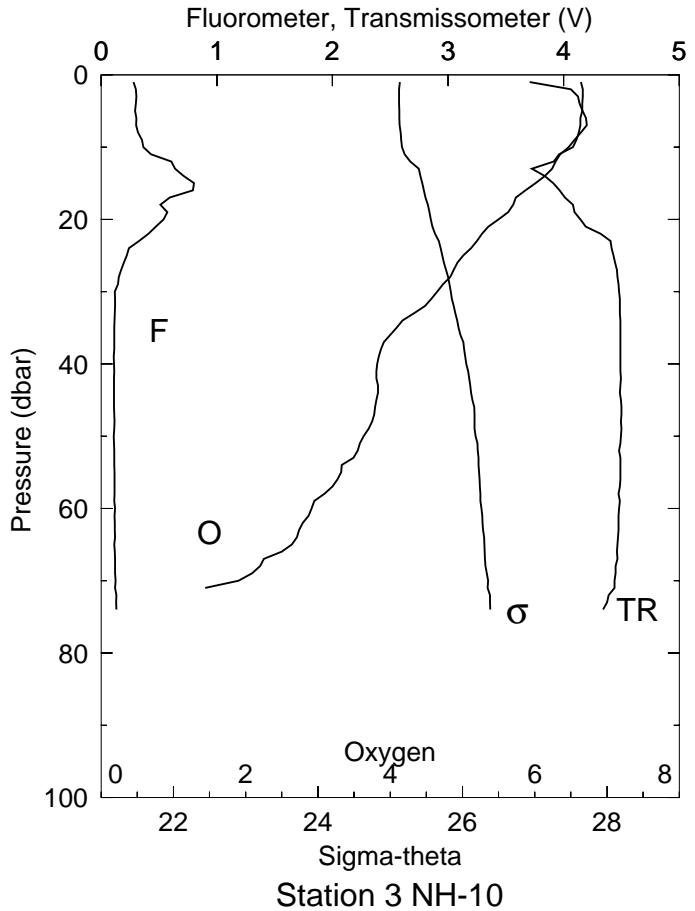
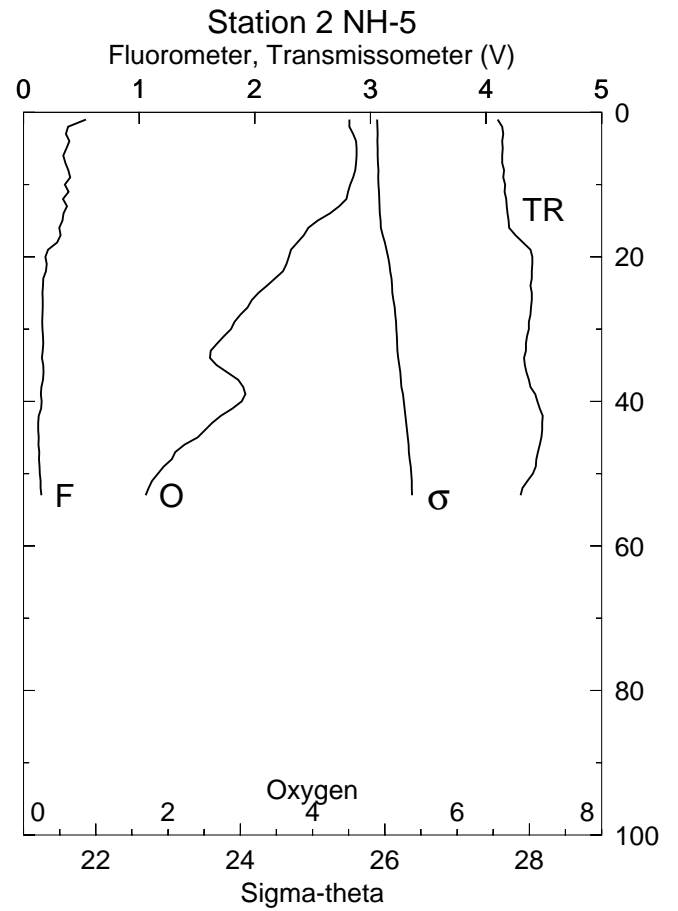
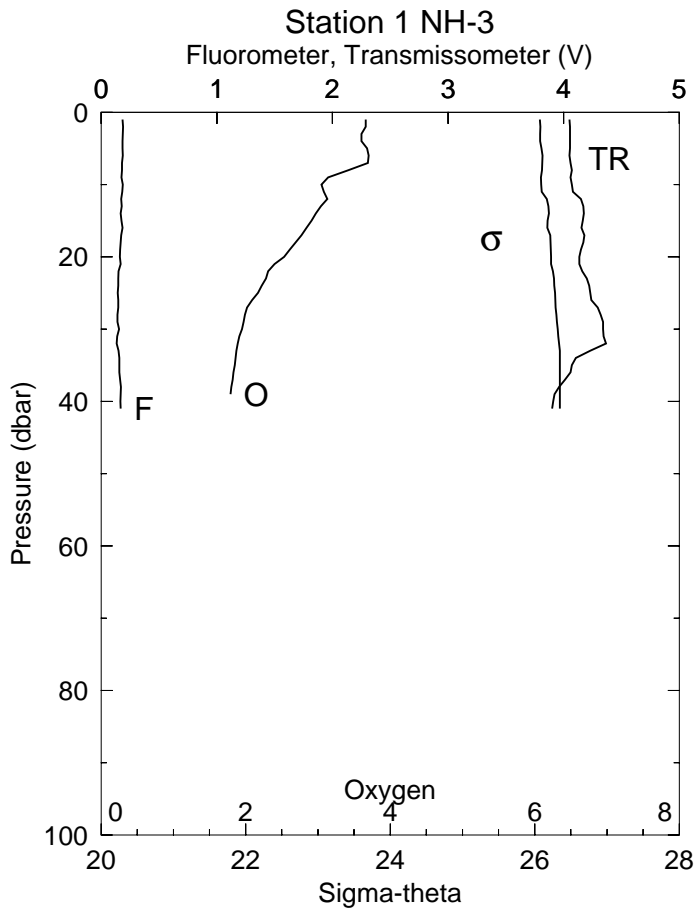


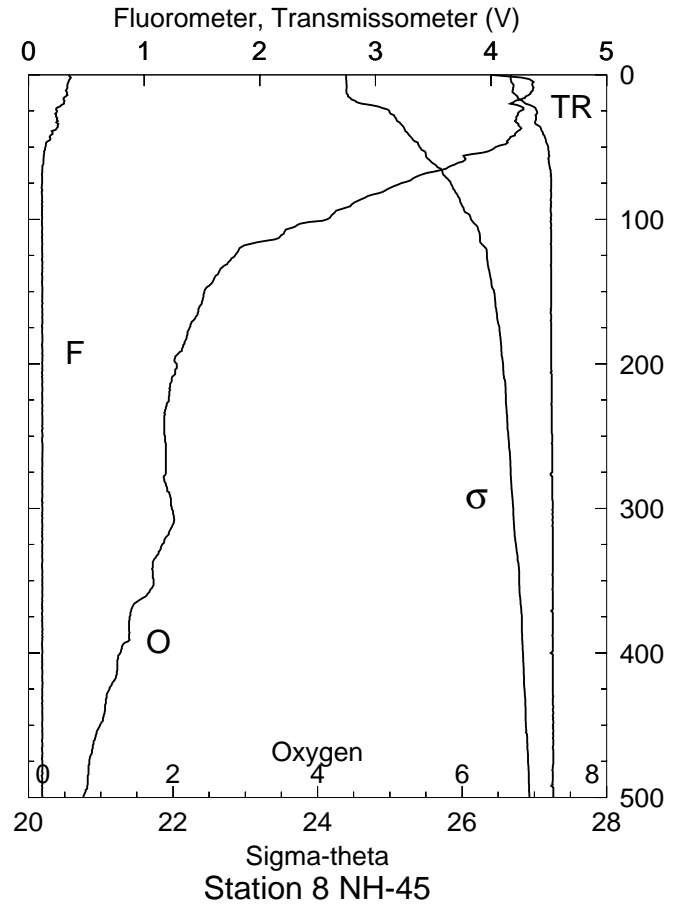
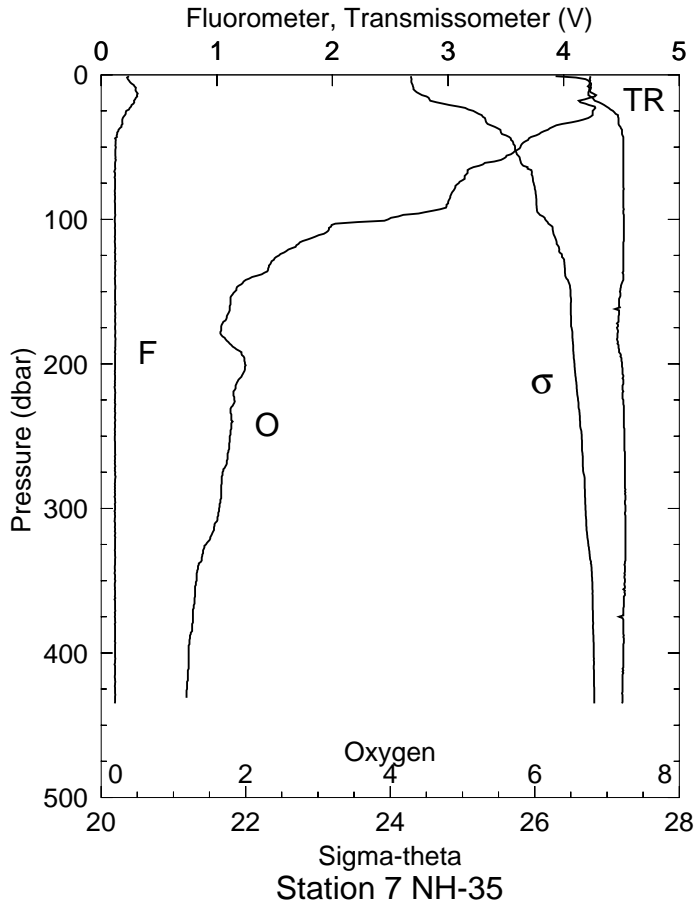
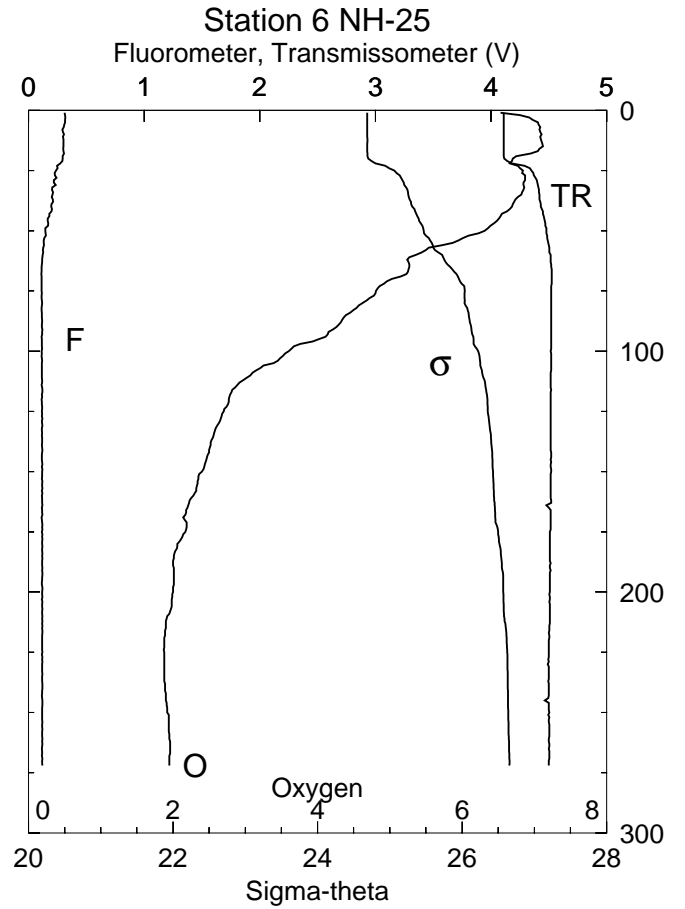
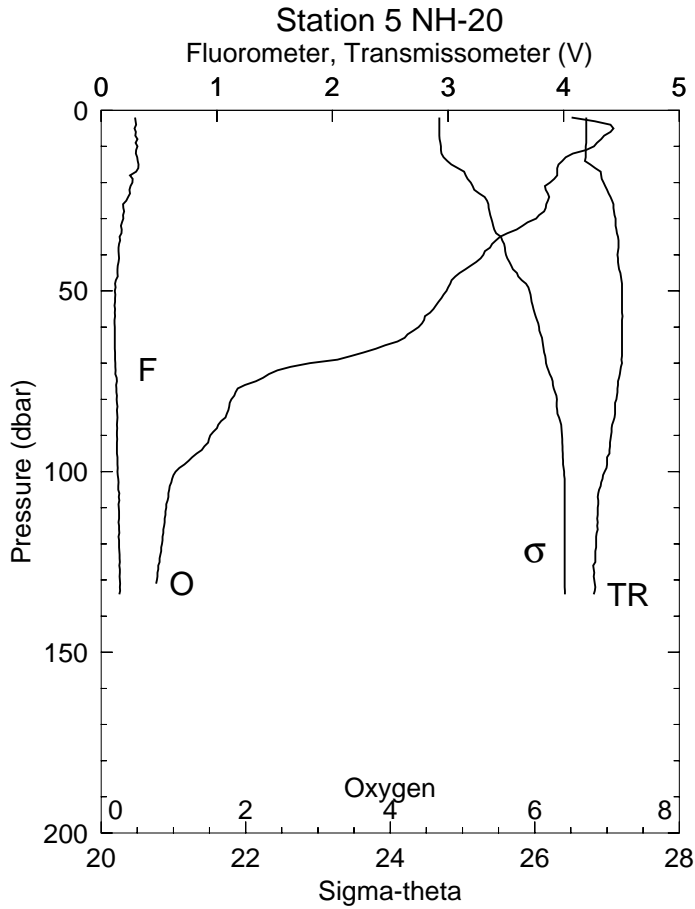
Station 46 HH-9

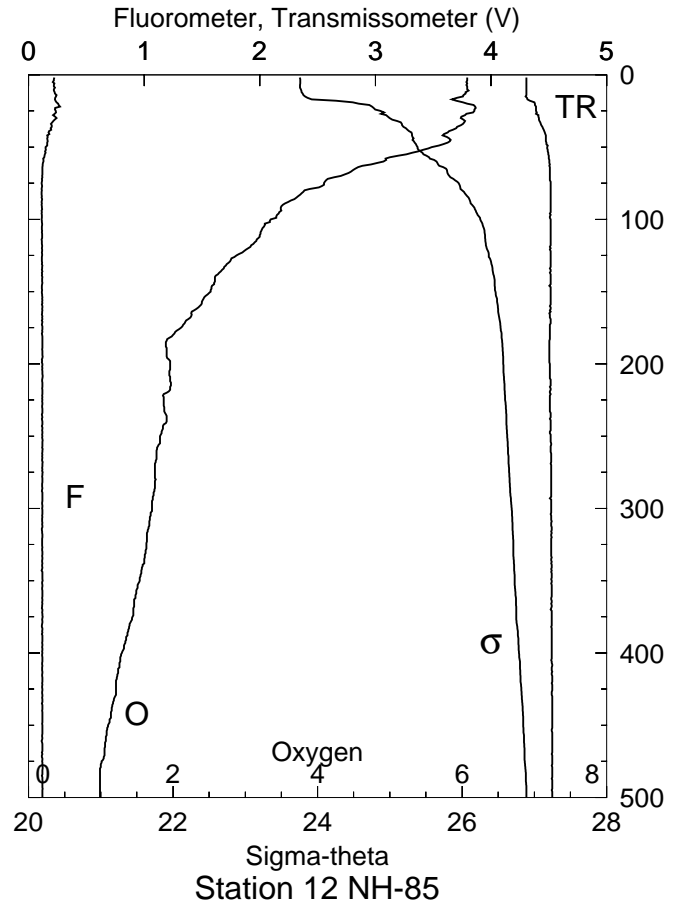
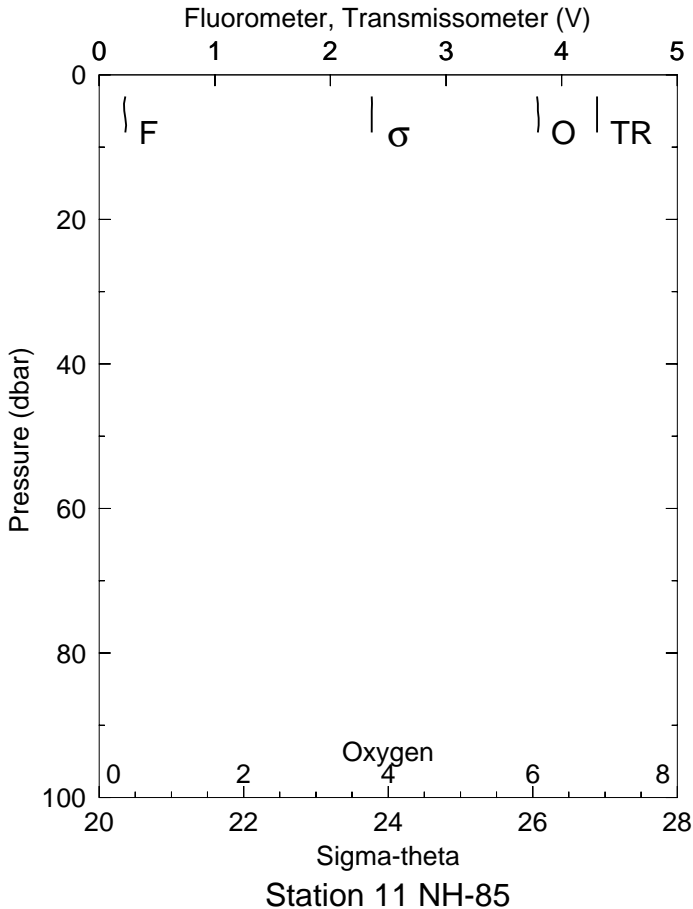
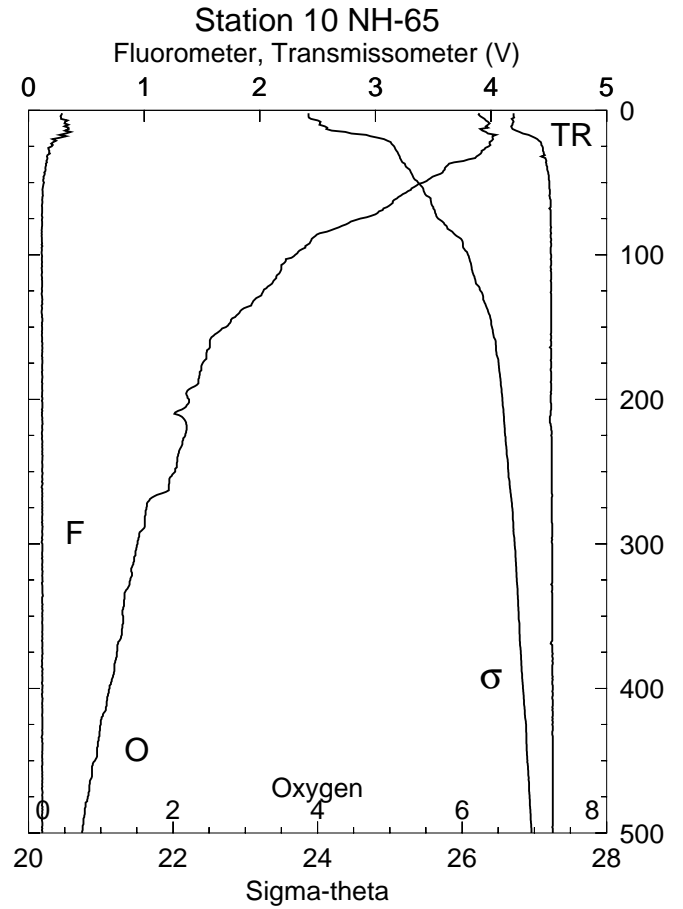
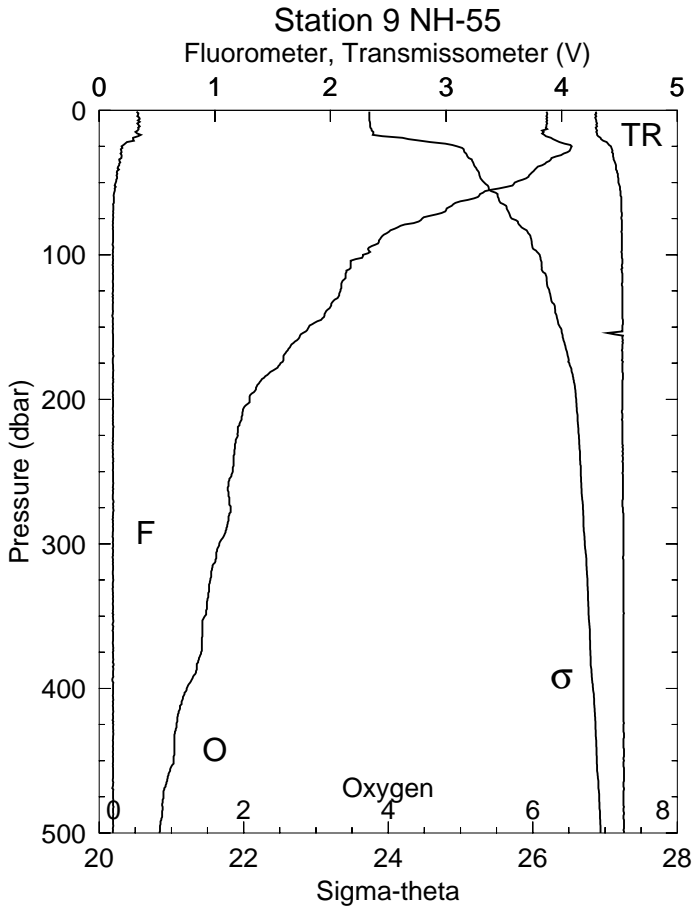


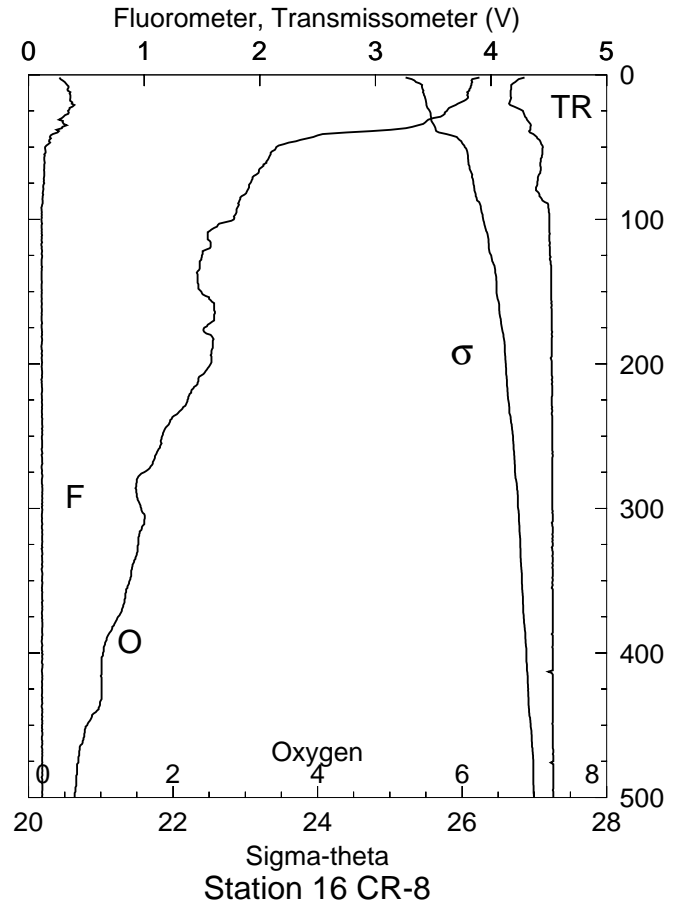
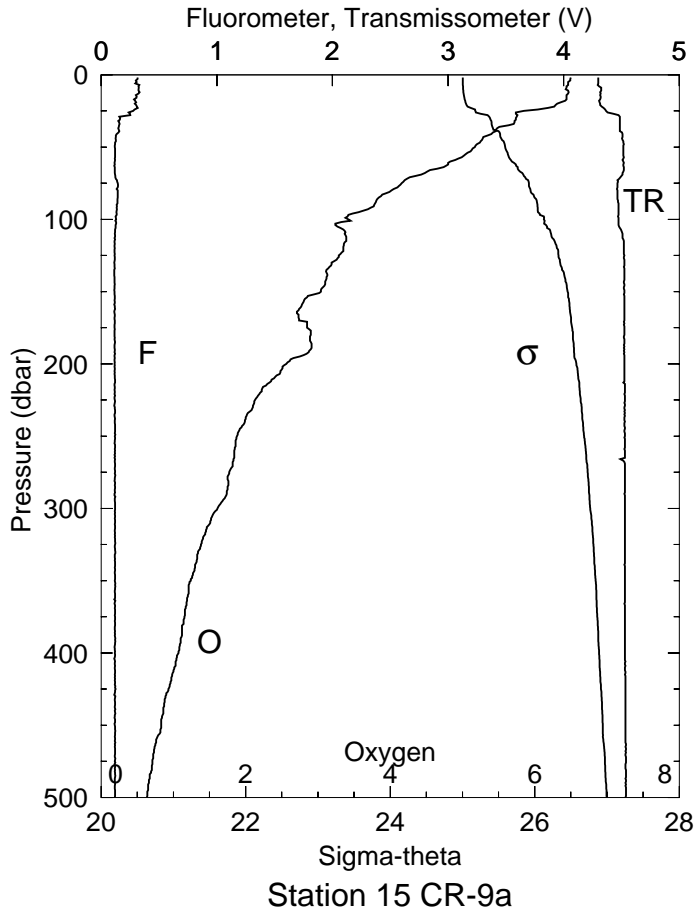
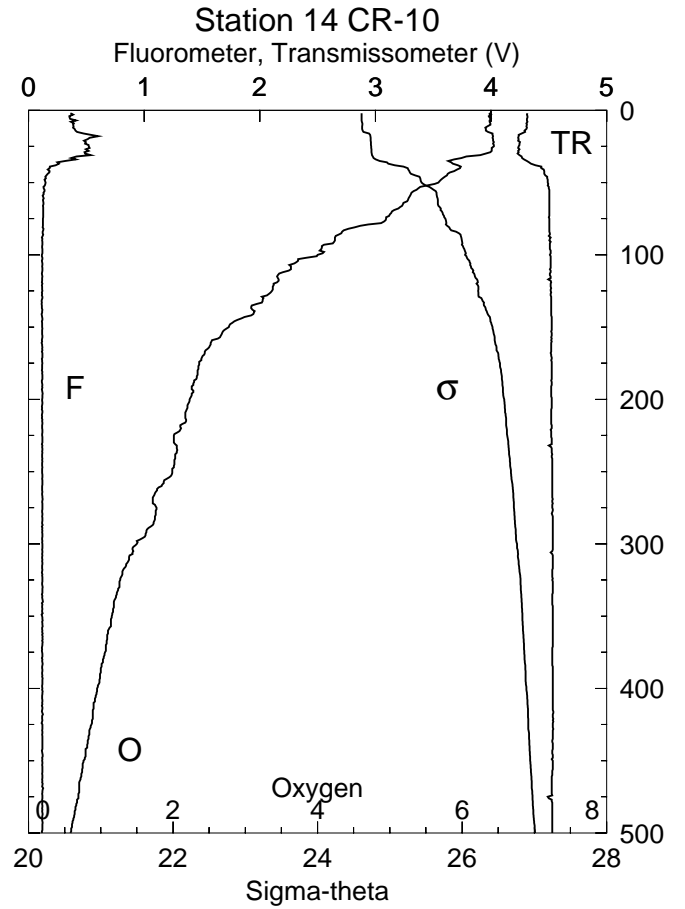
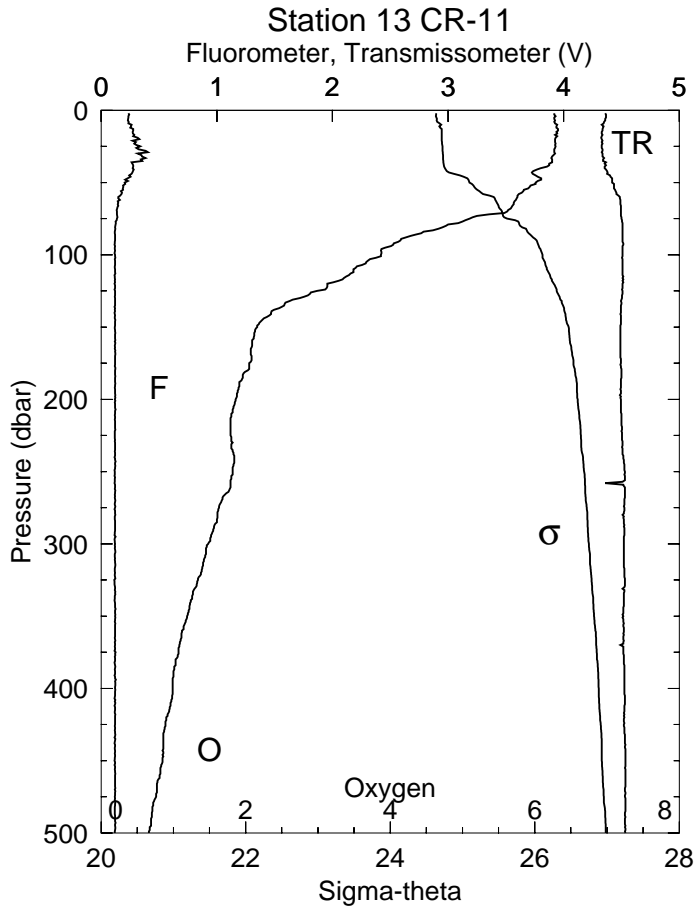
Station 47 NH-10

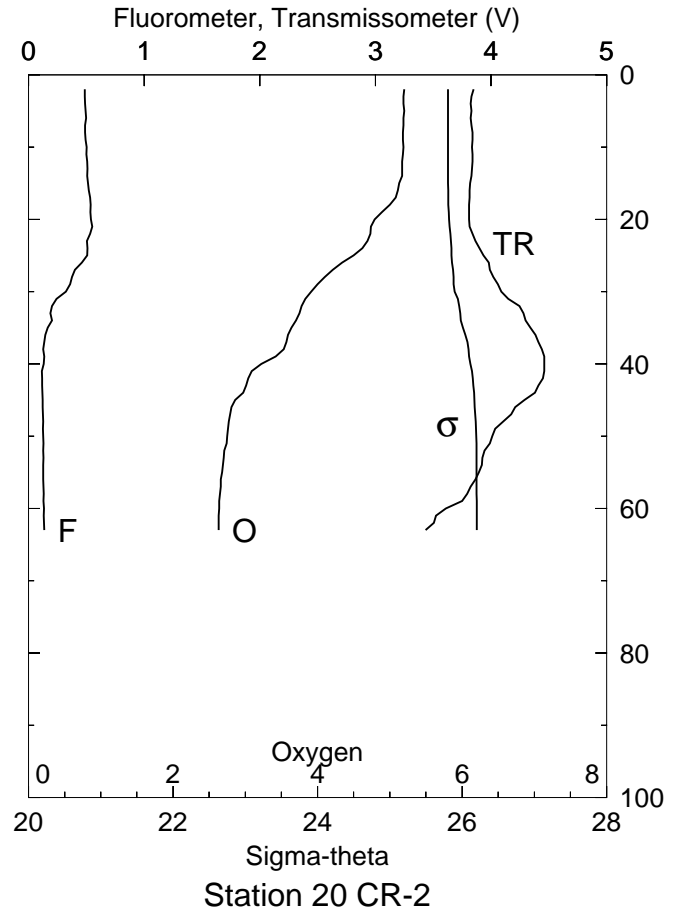
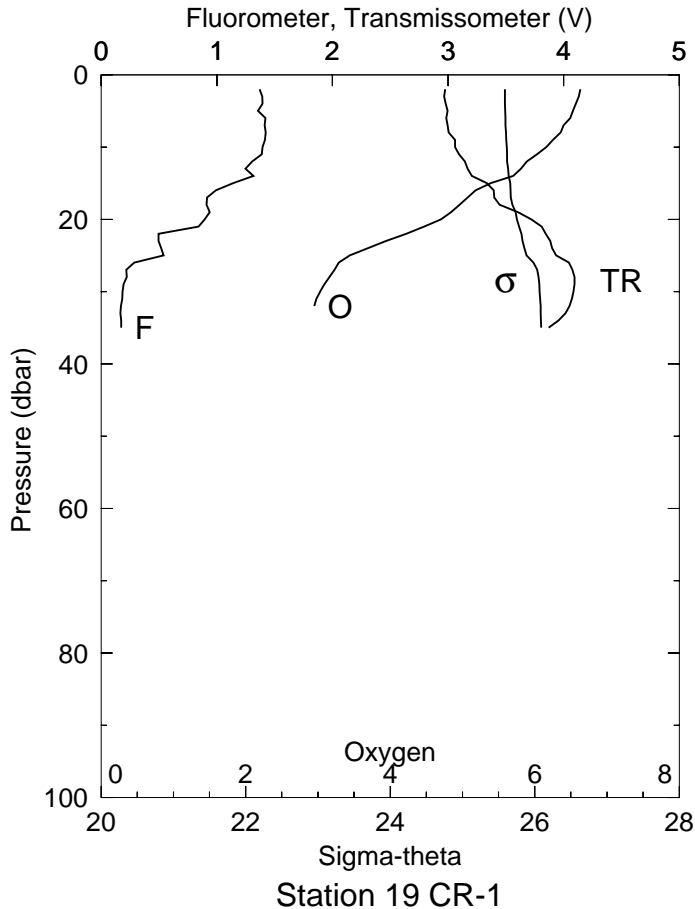
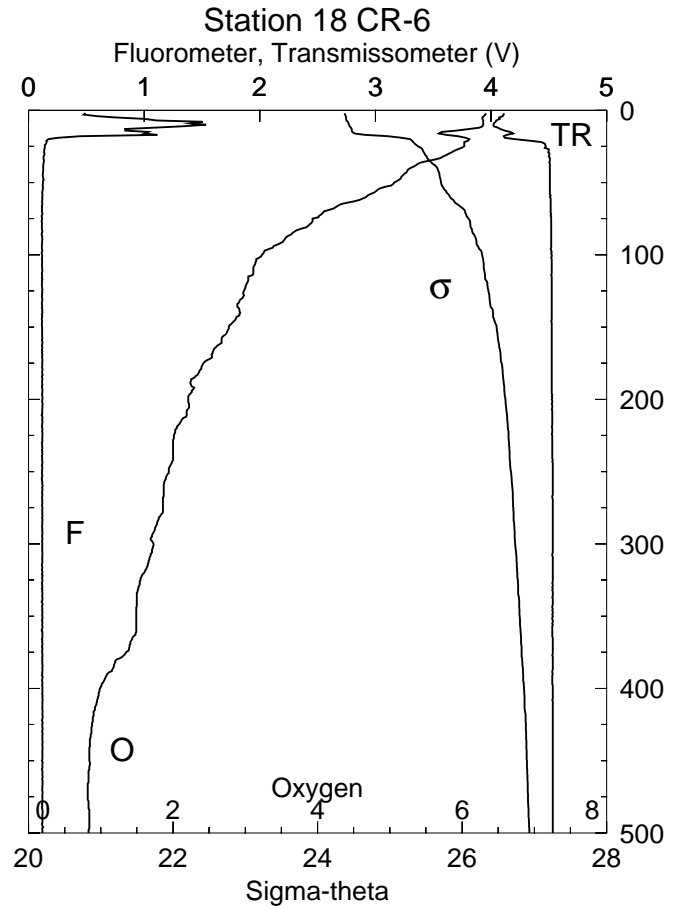
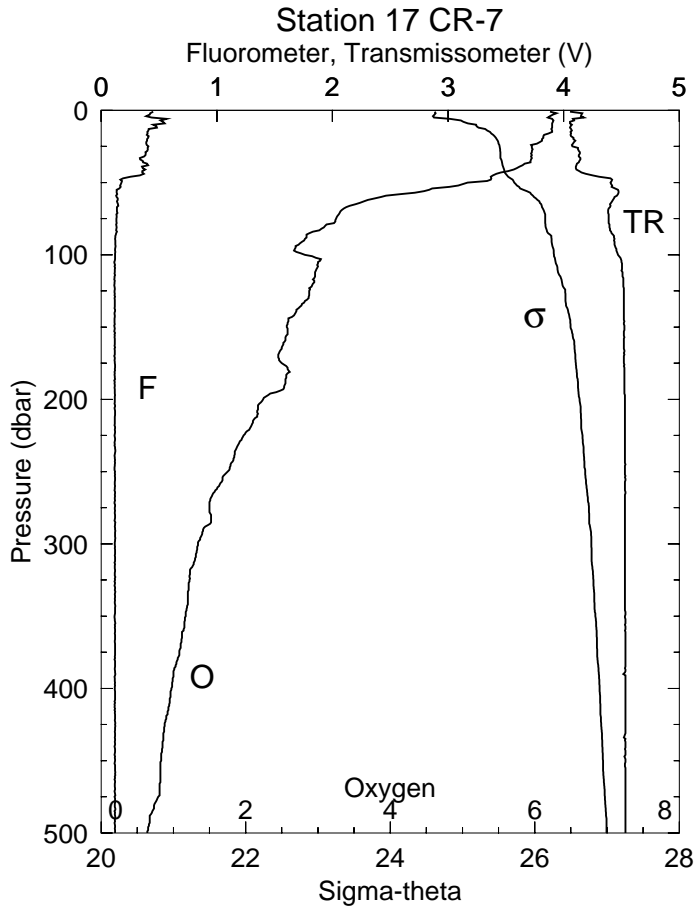


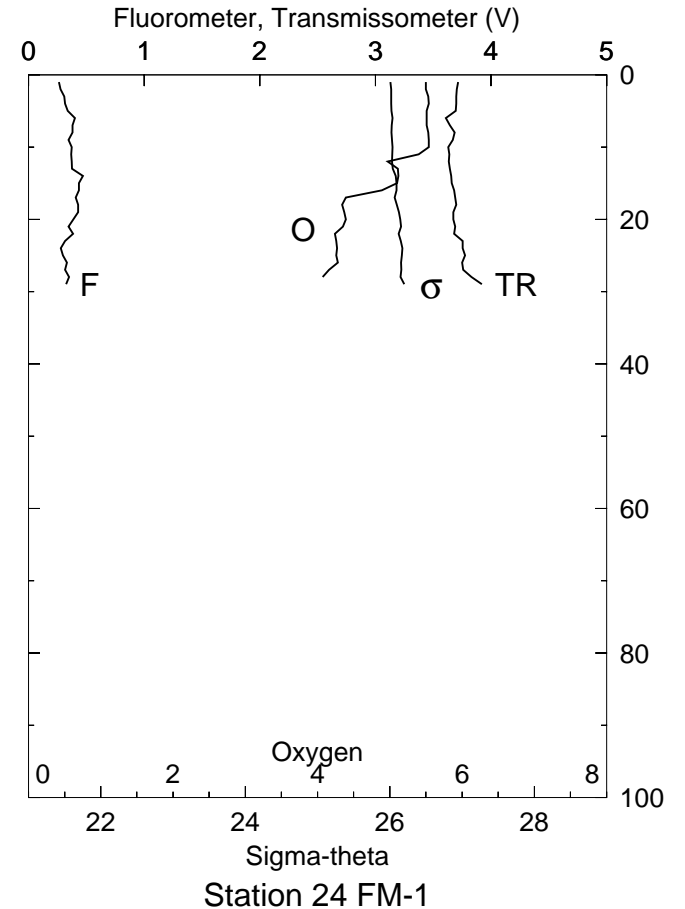
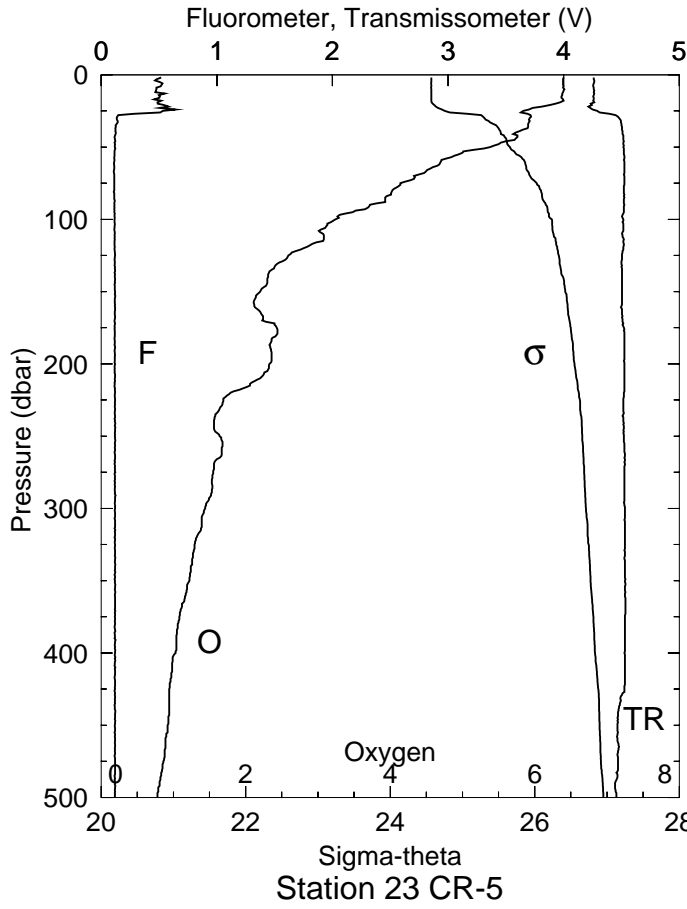
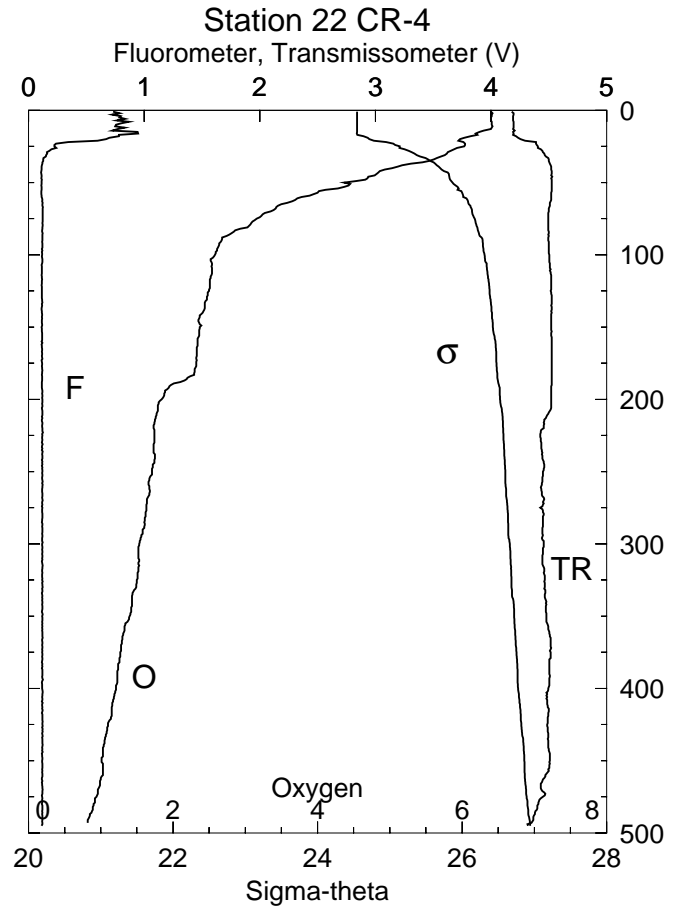
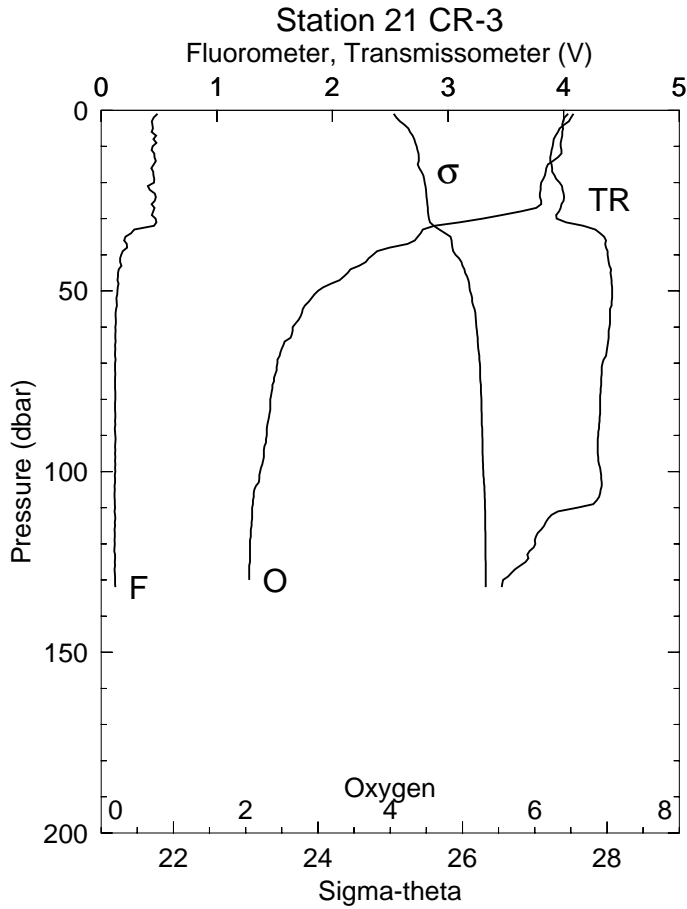


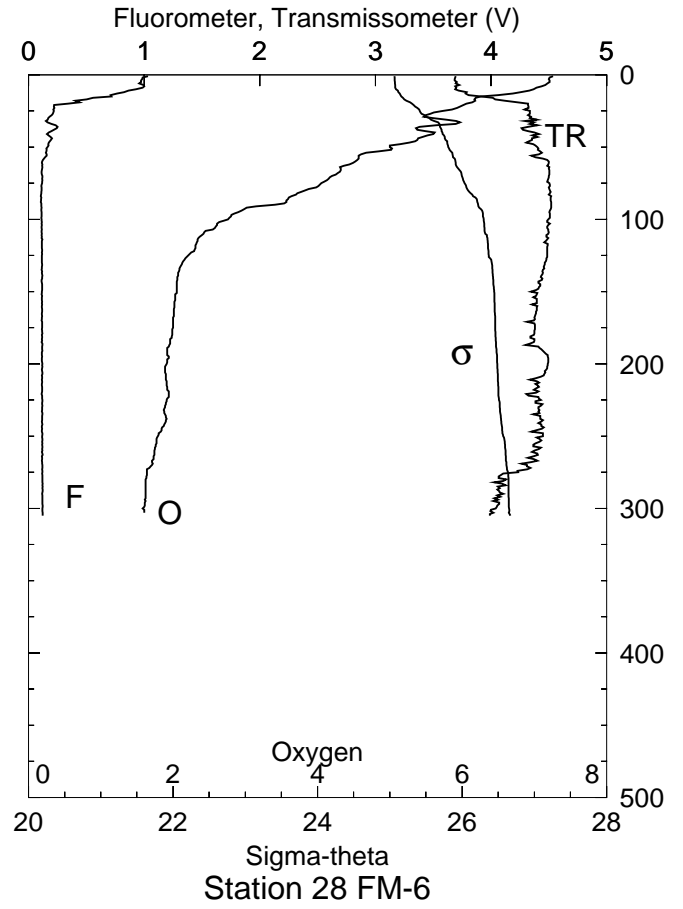
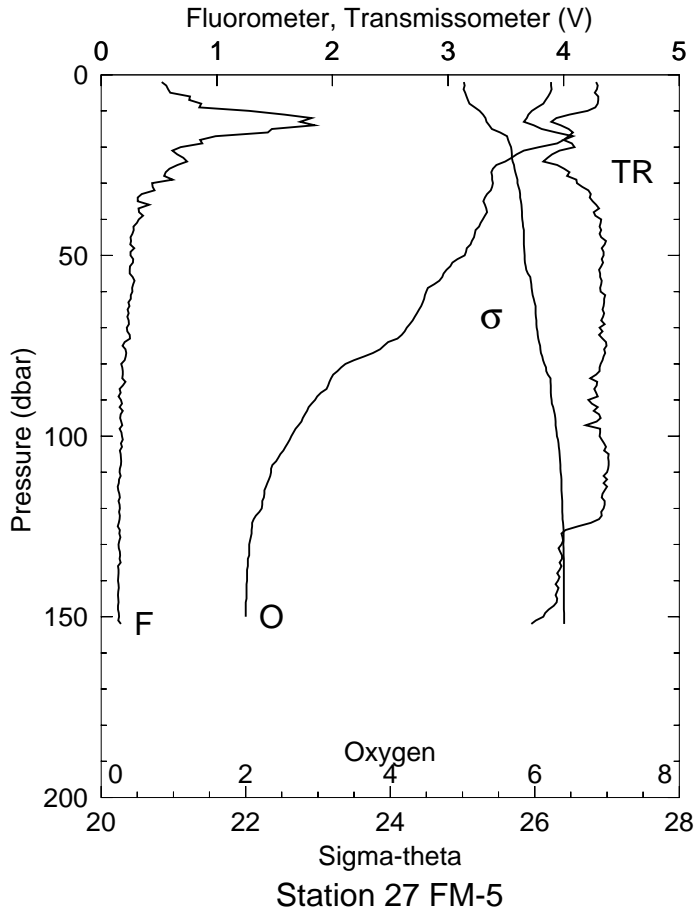
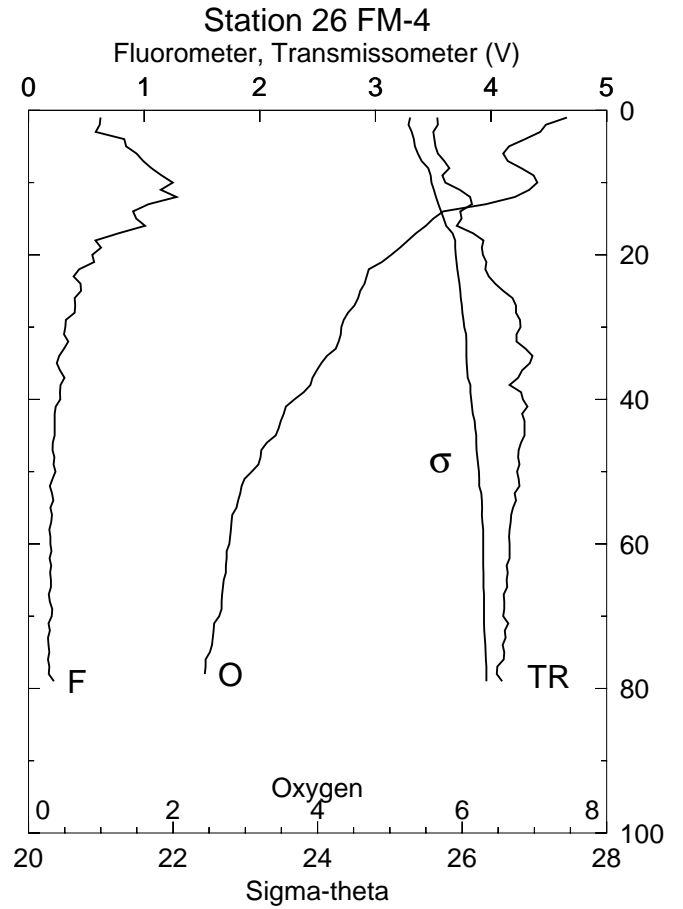
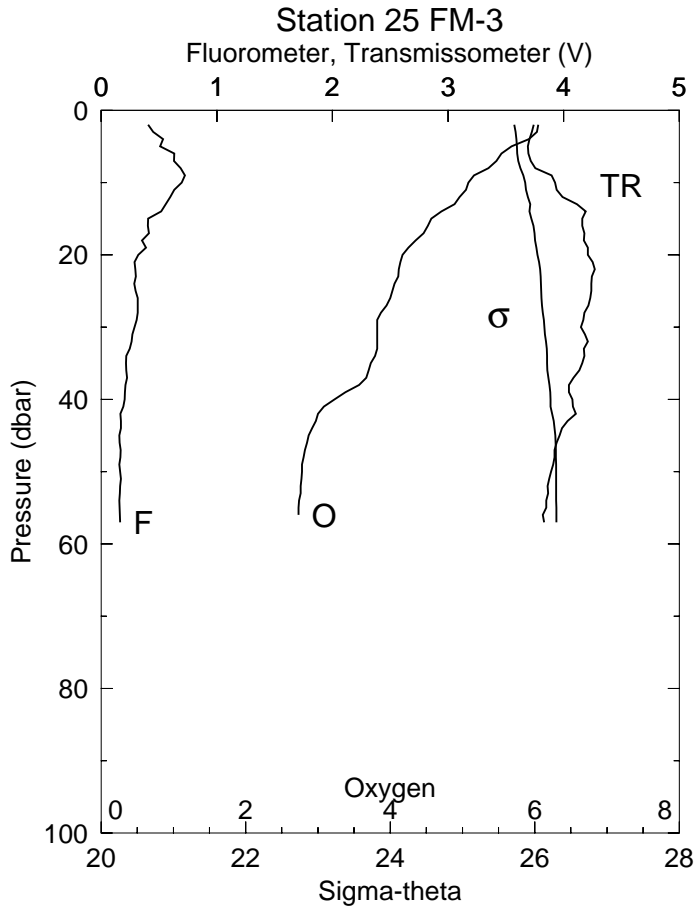


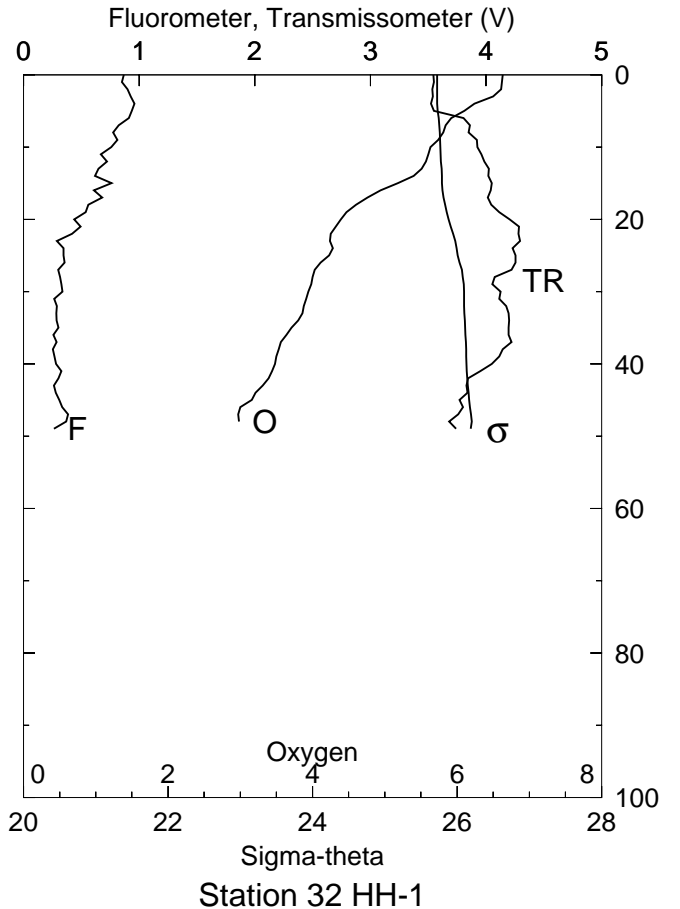
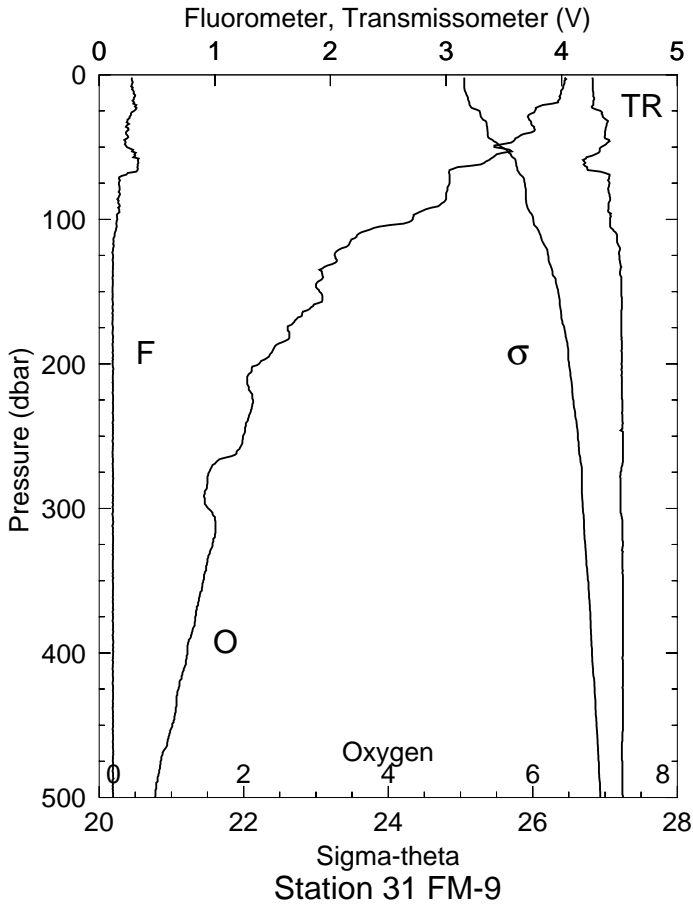
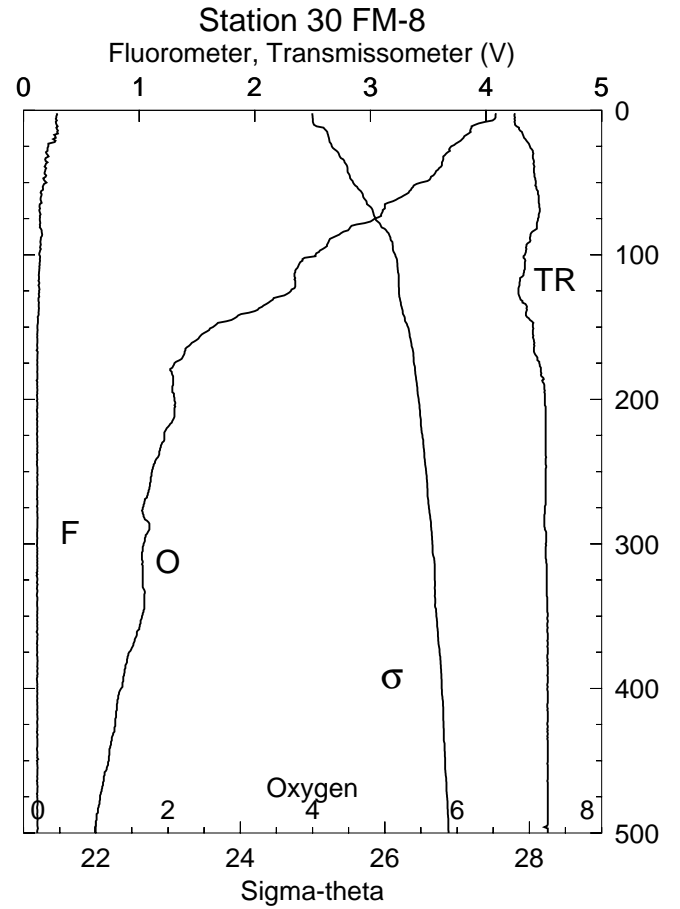
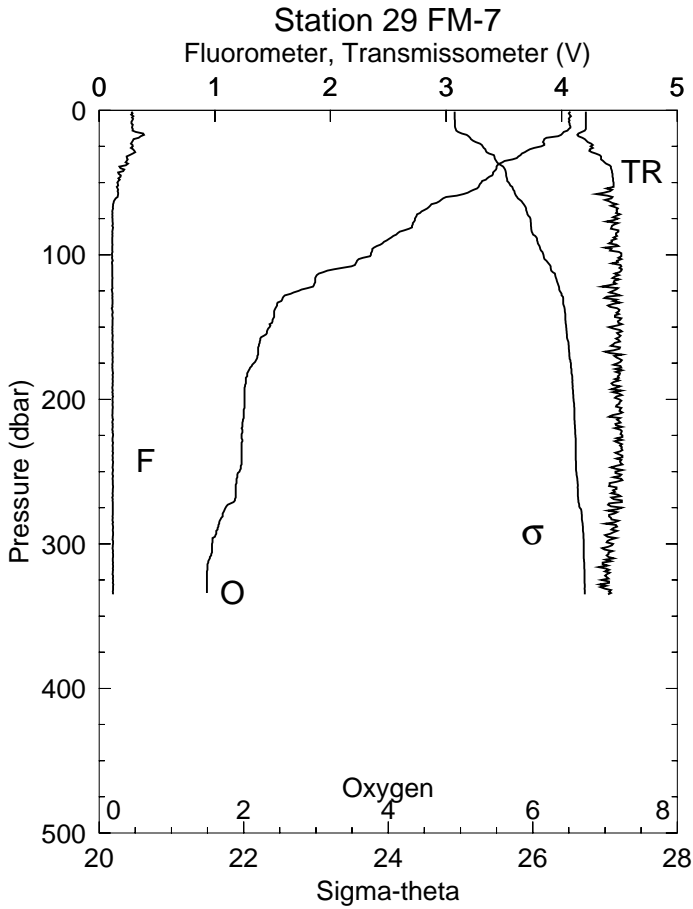


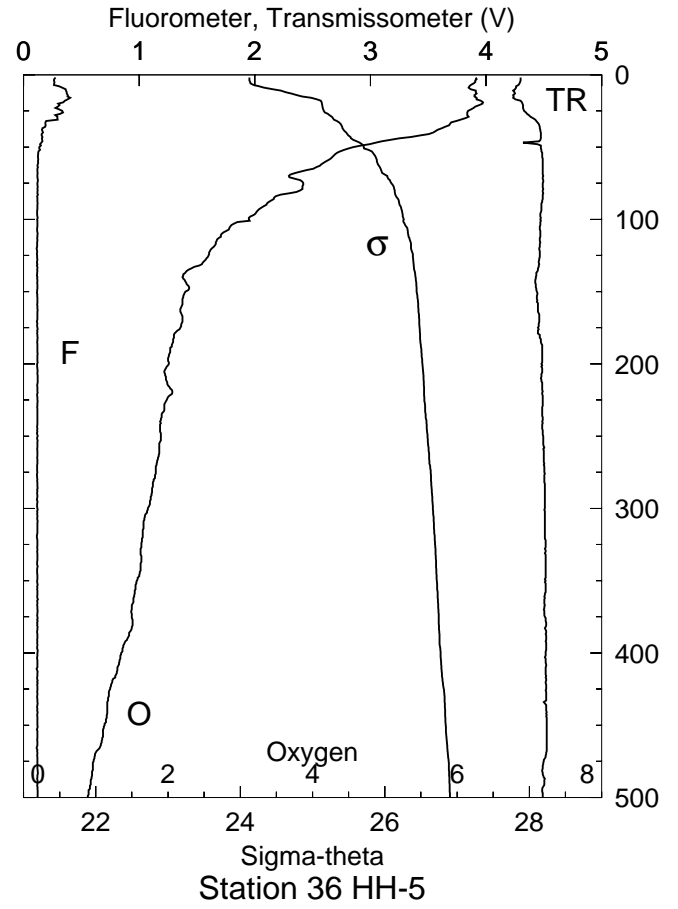
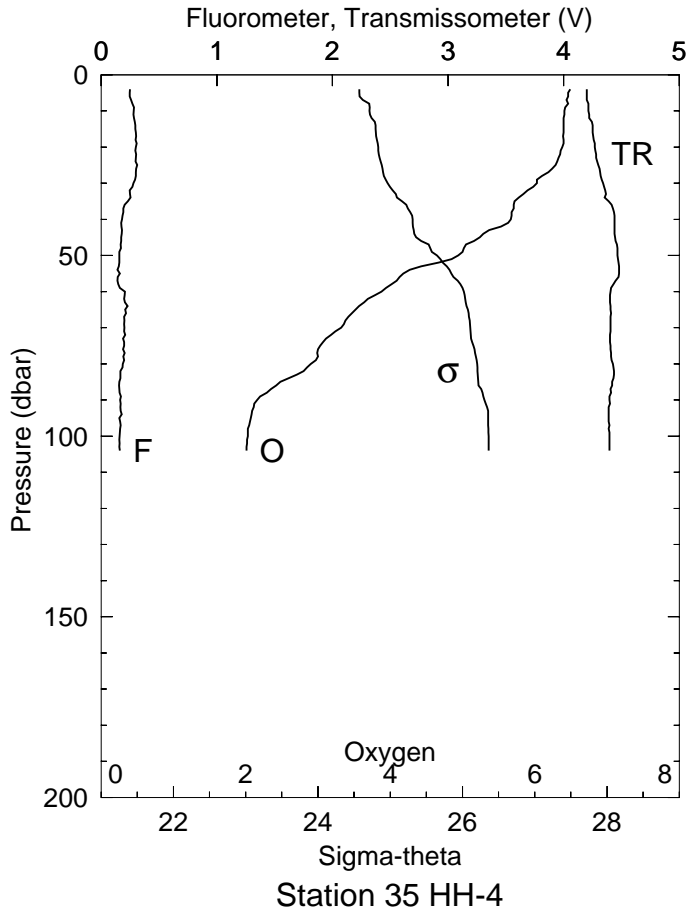
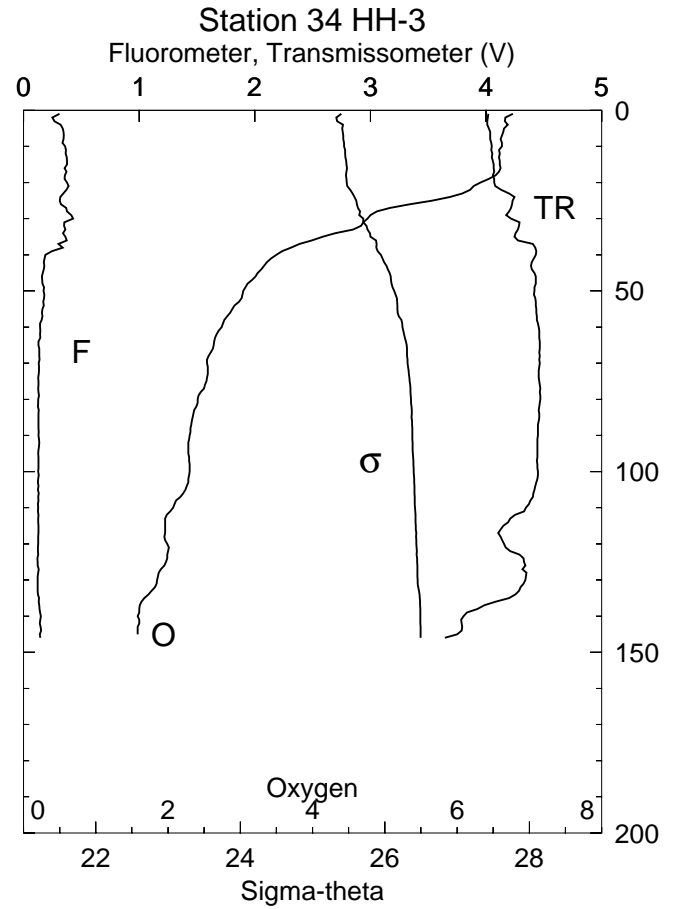
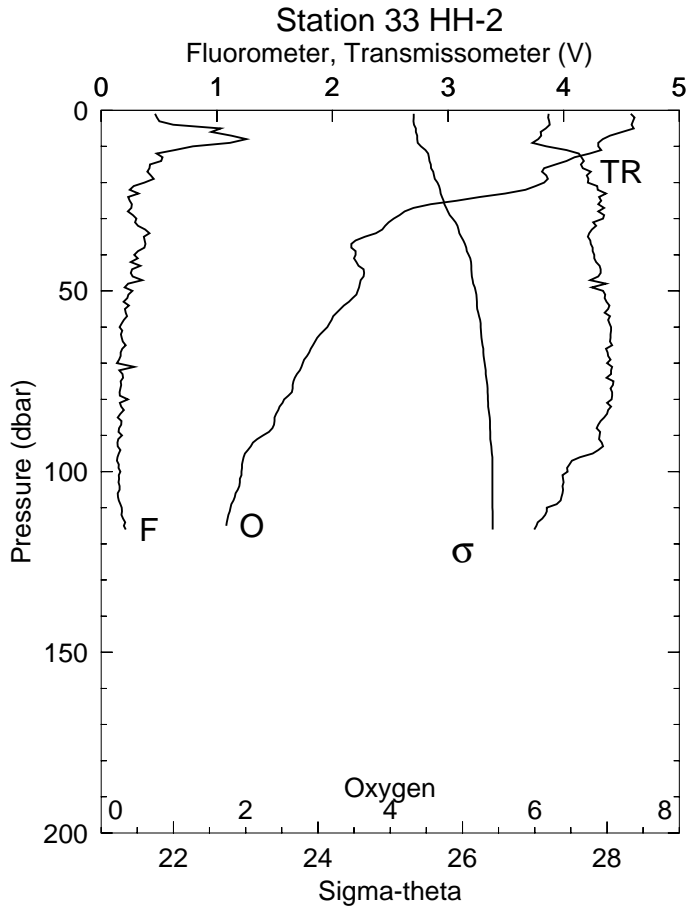


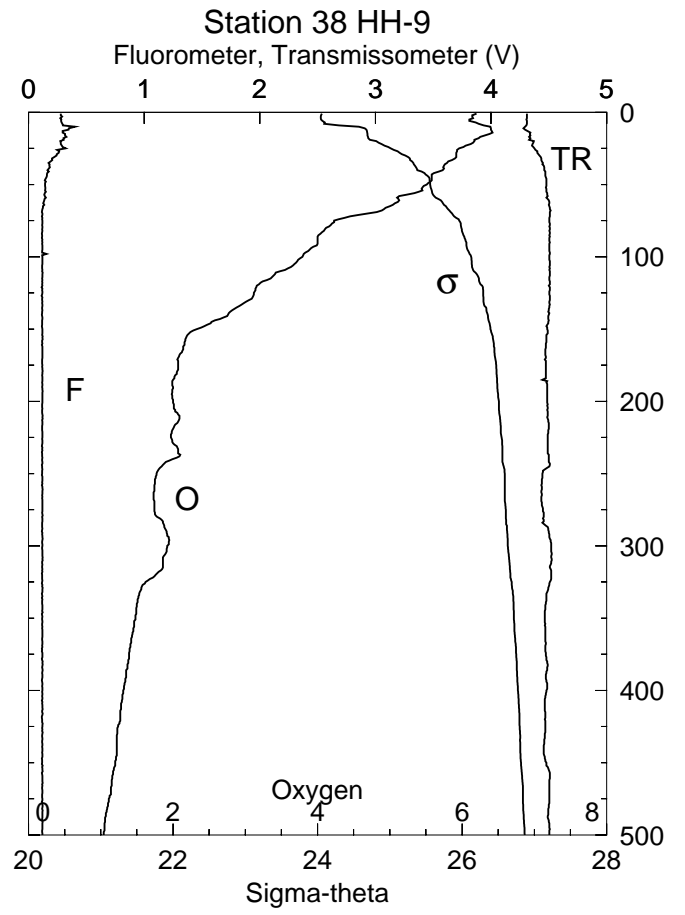
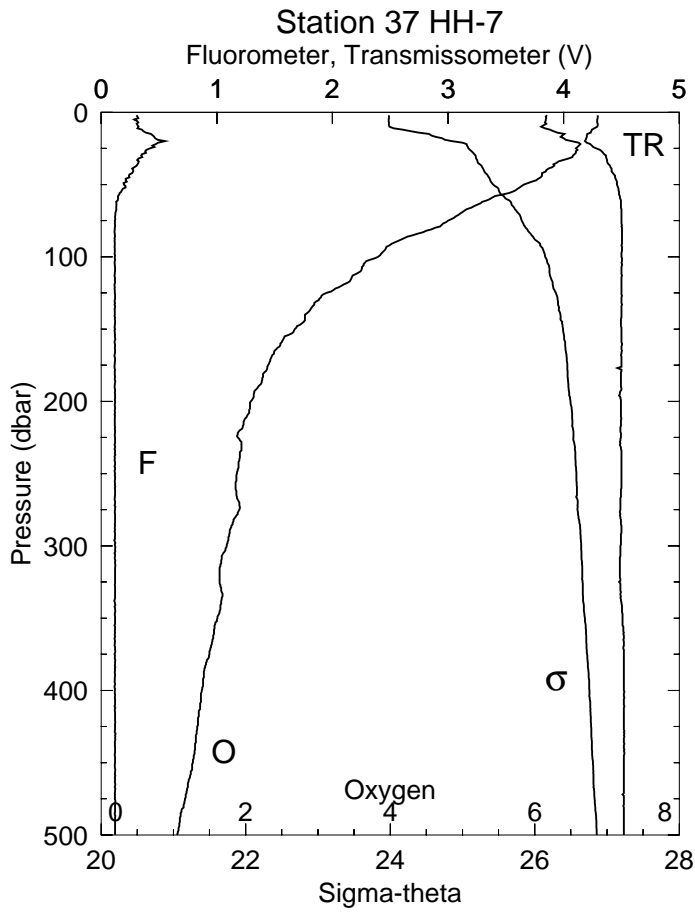




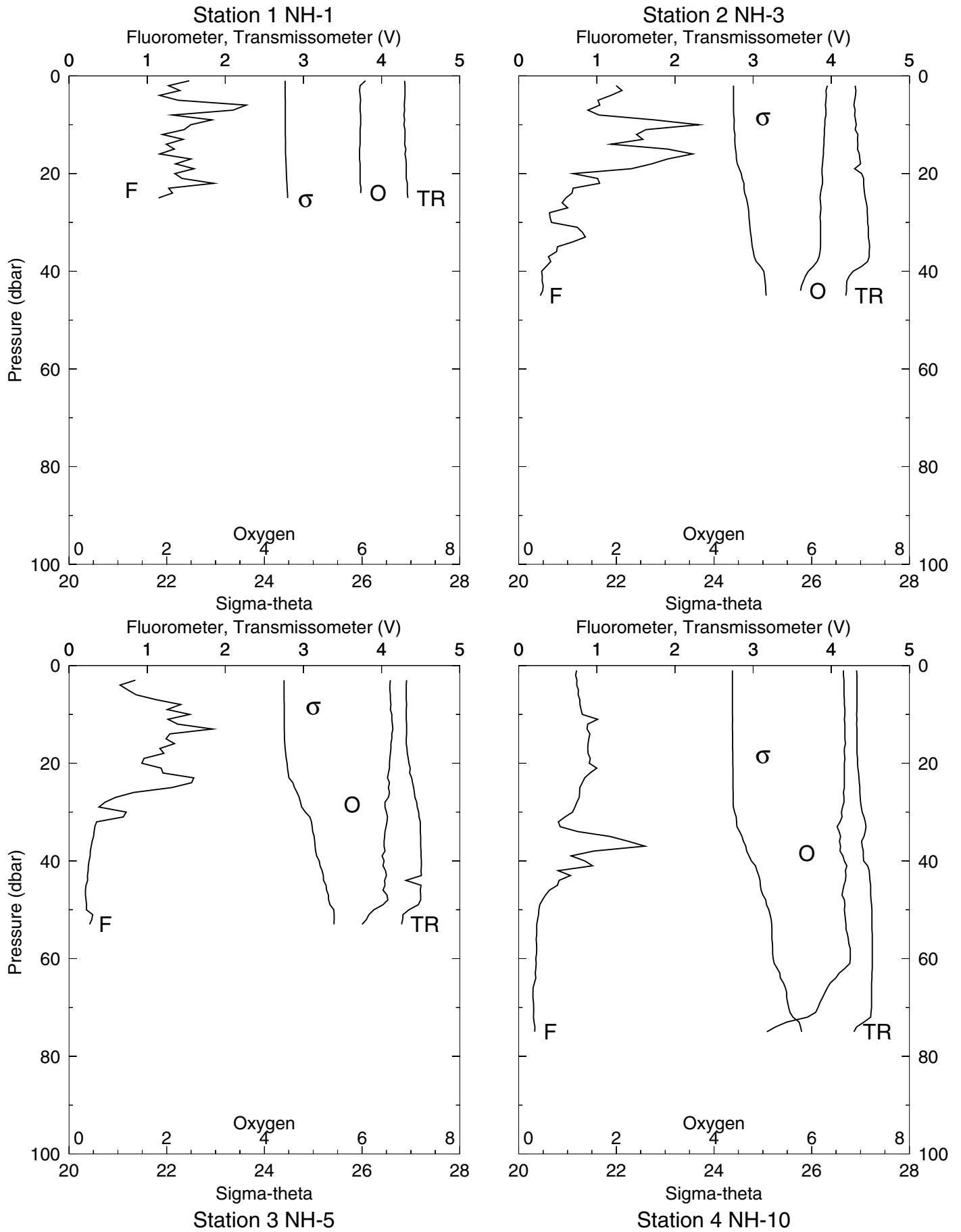




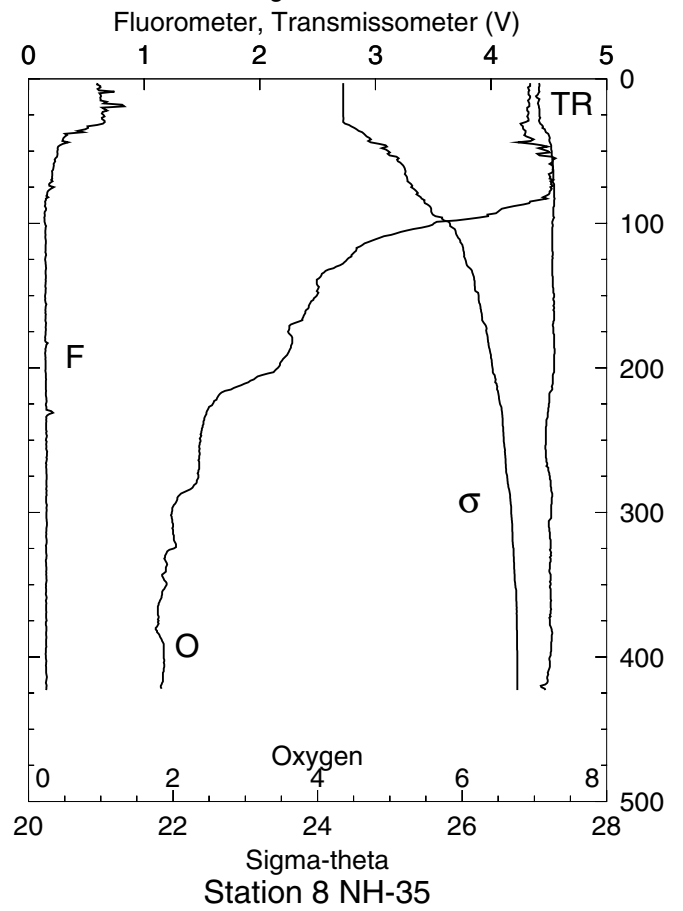
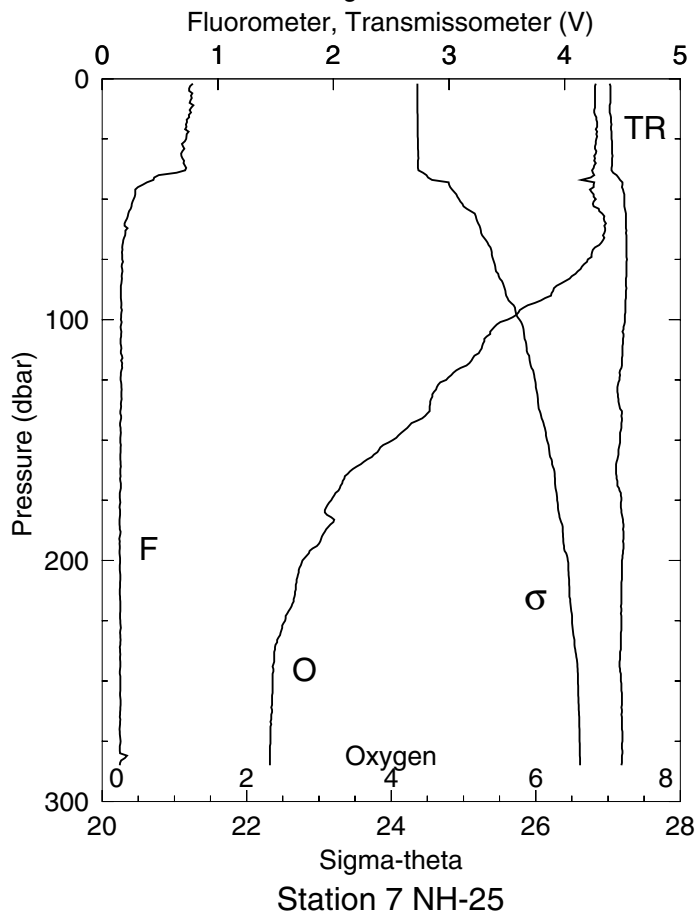
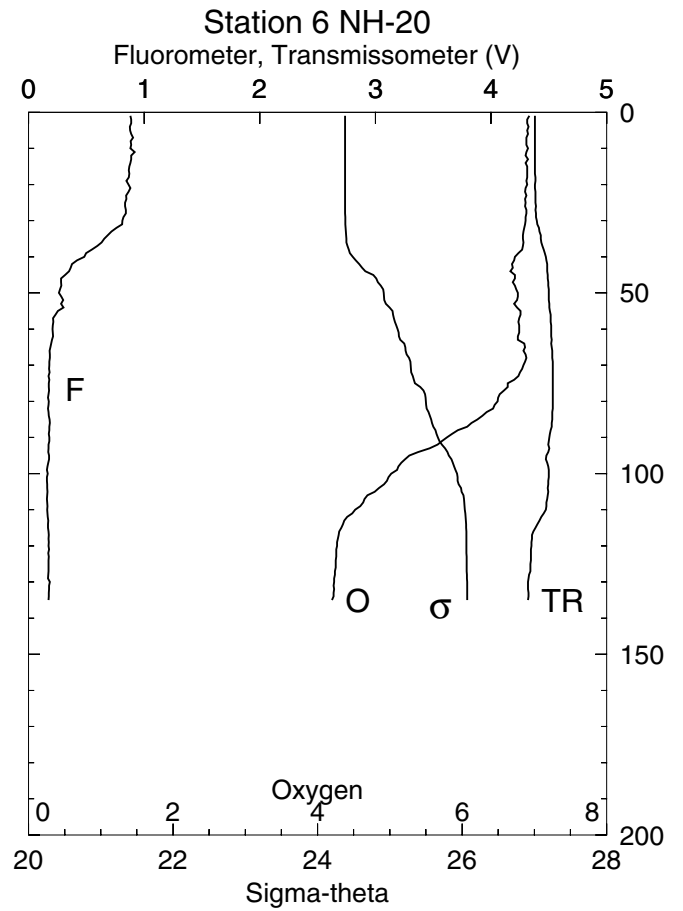
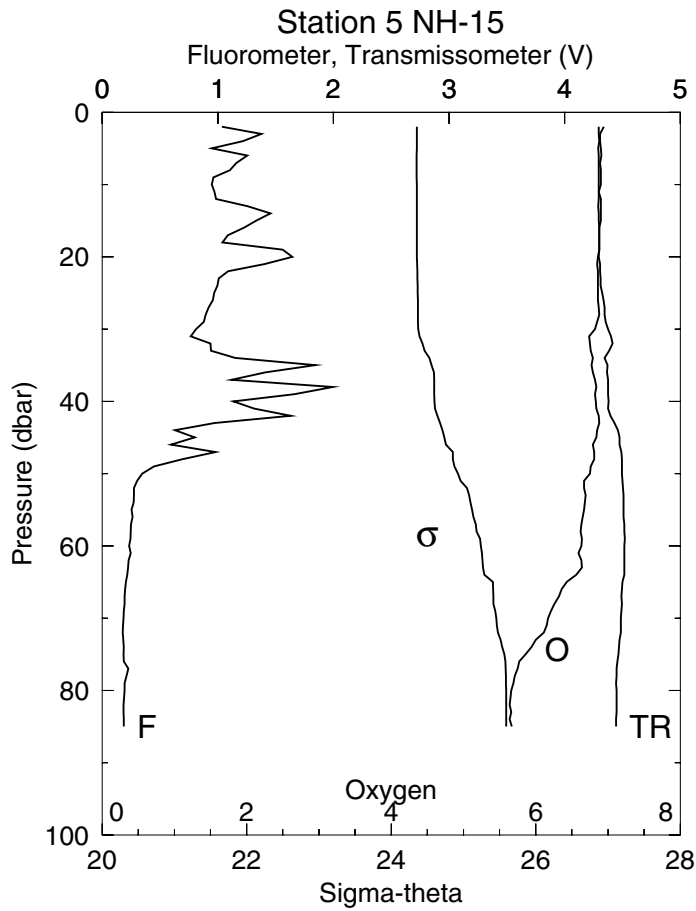




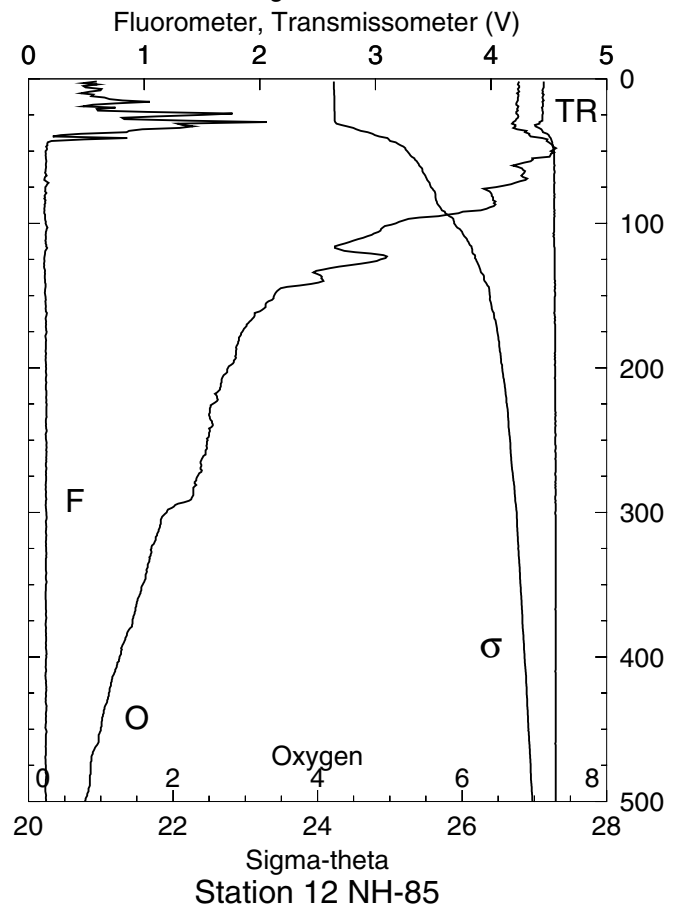
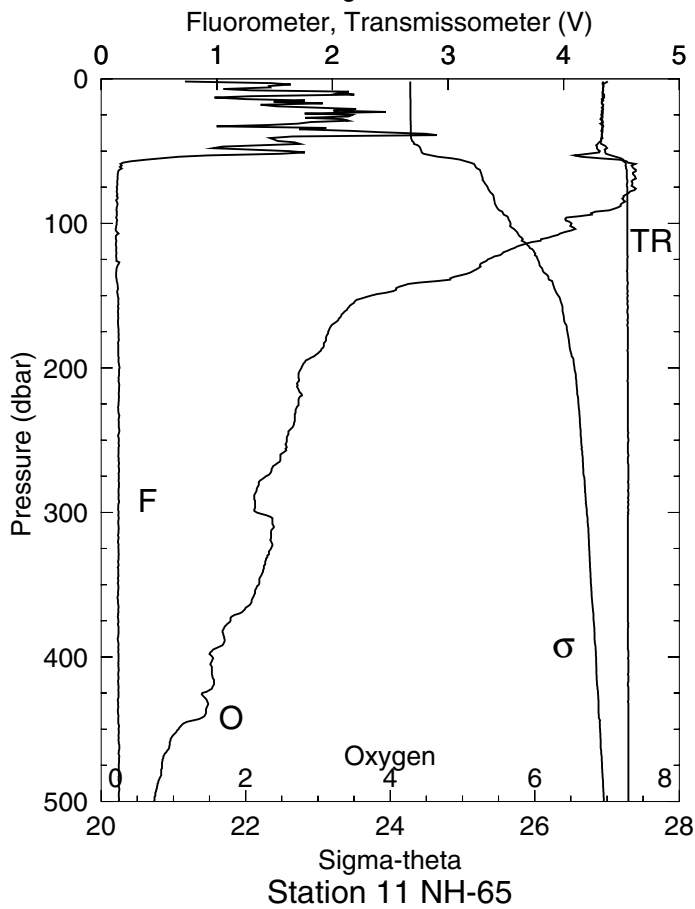
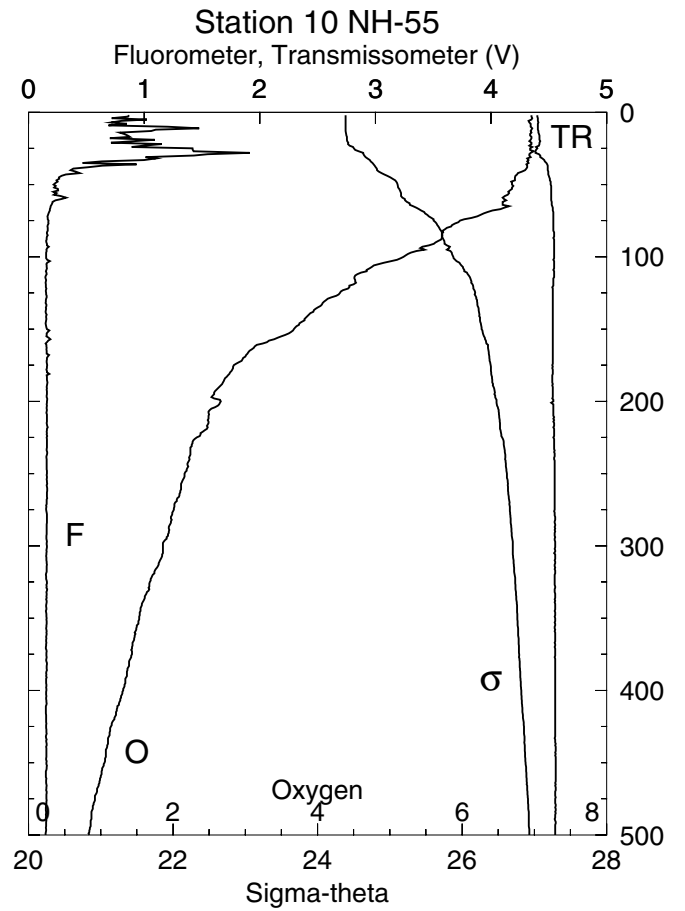
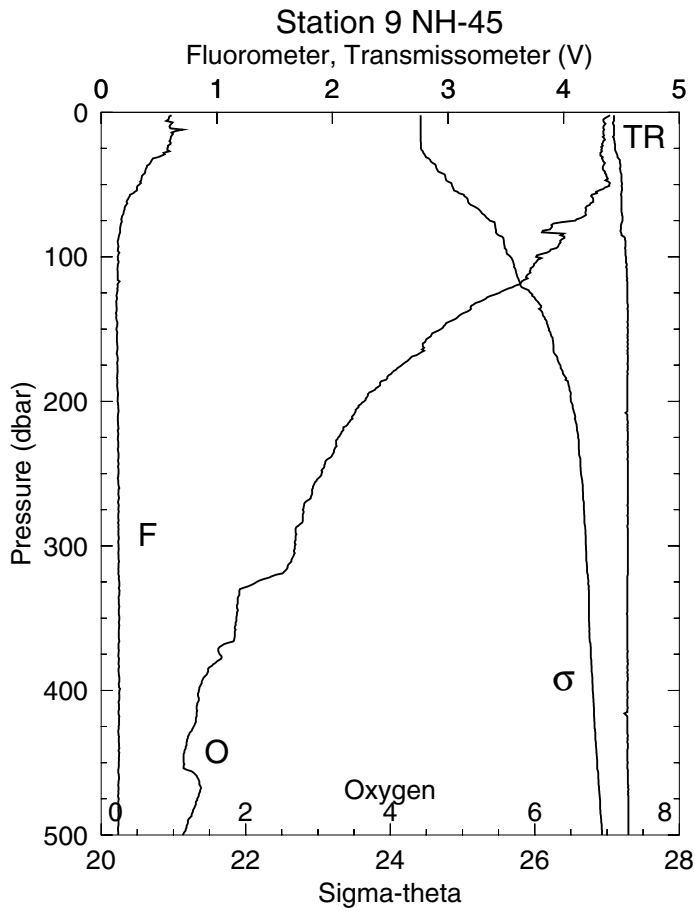
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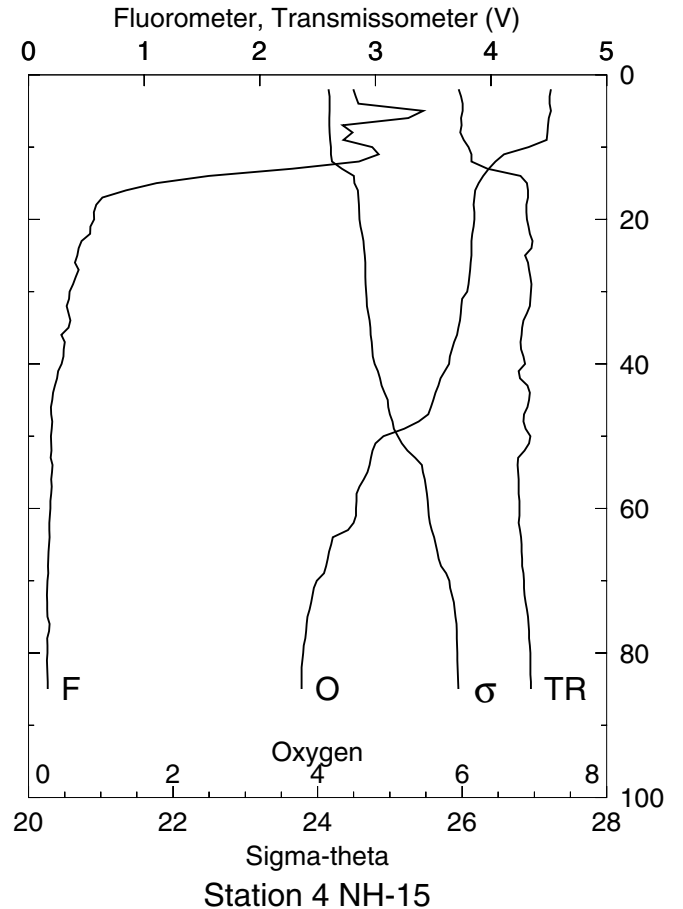
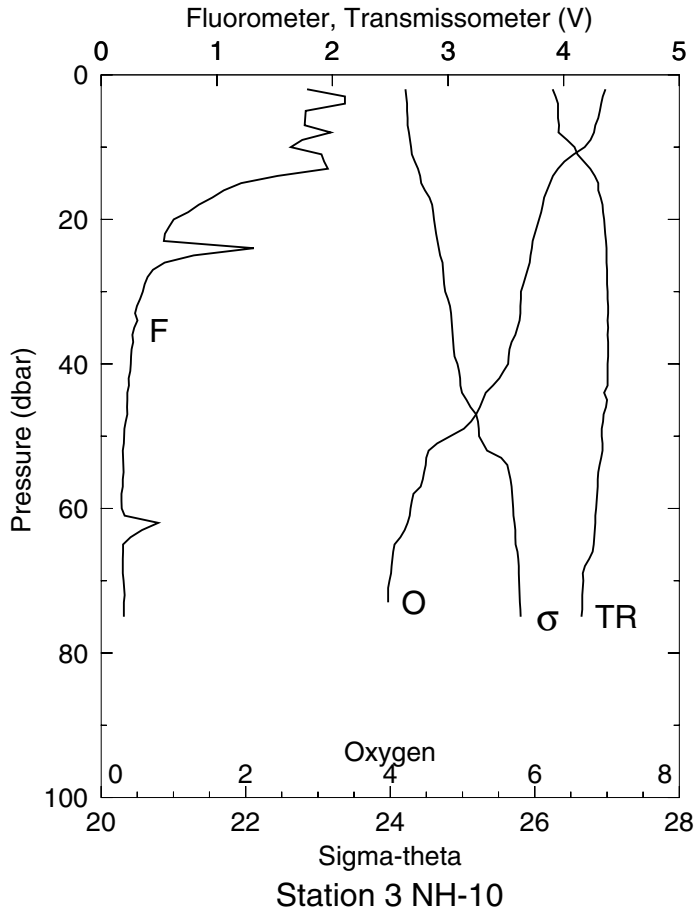
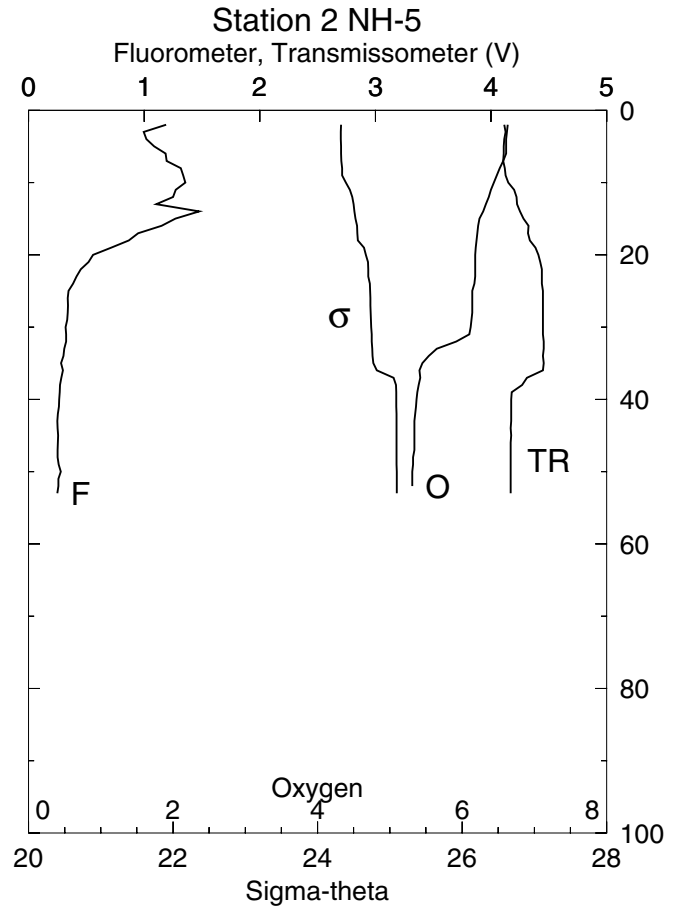
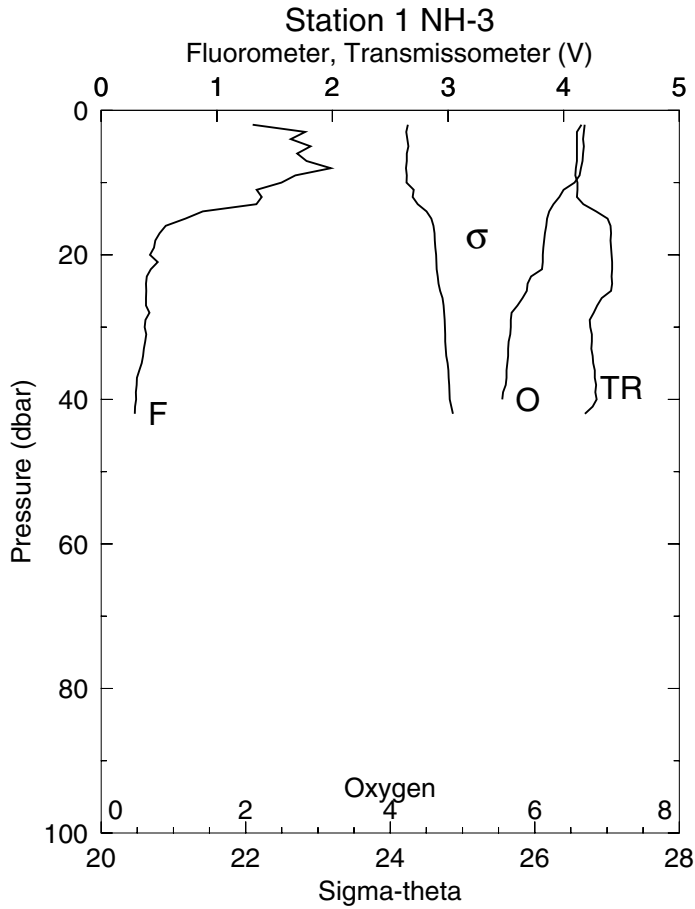


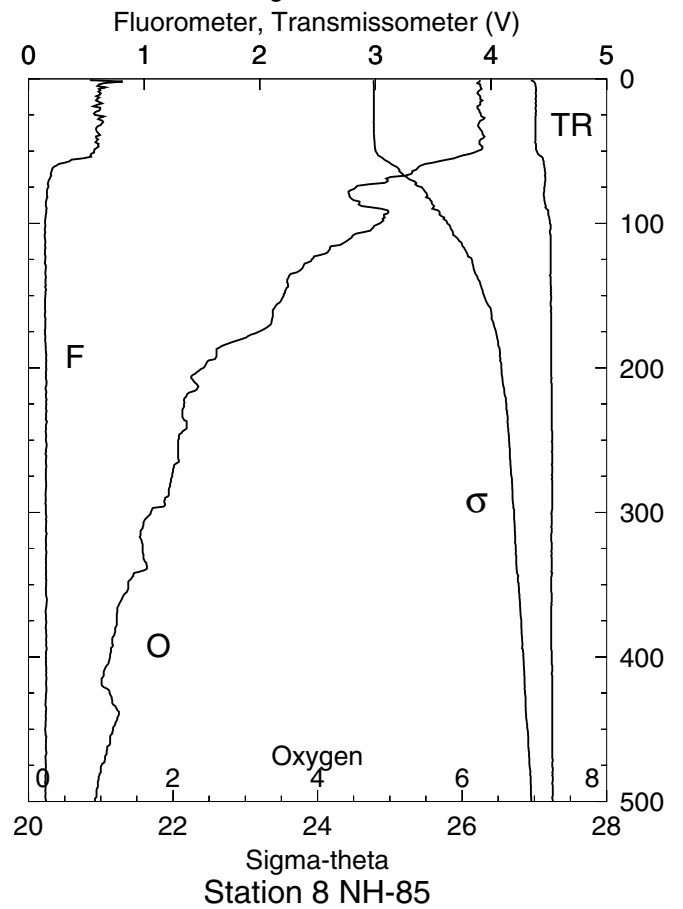
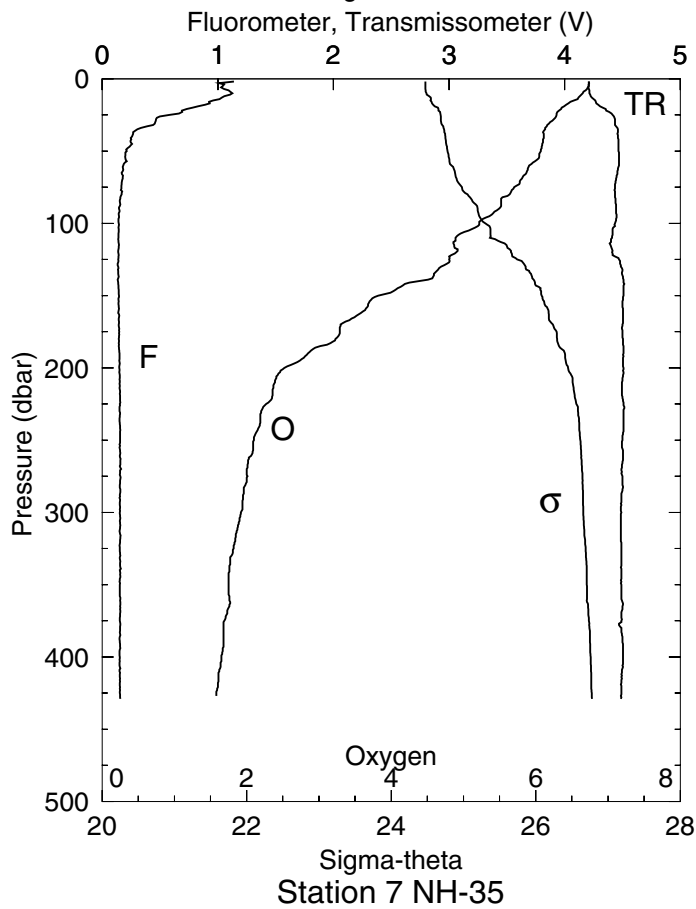
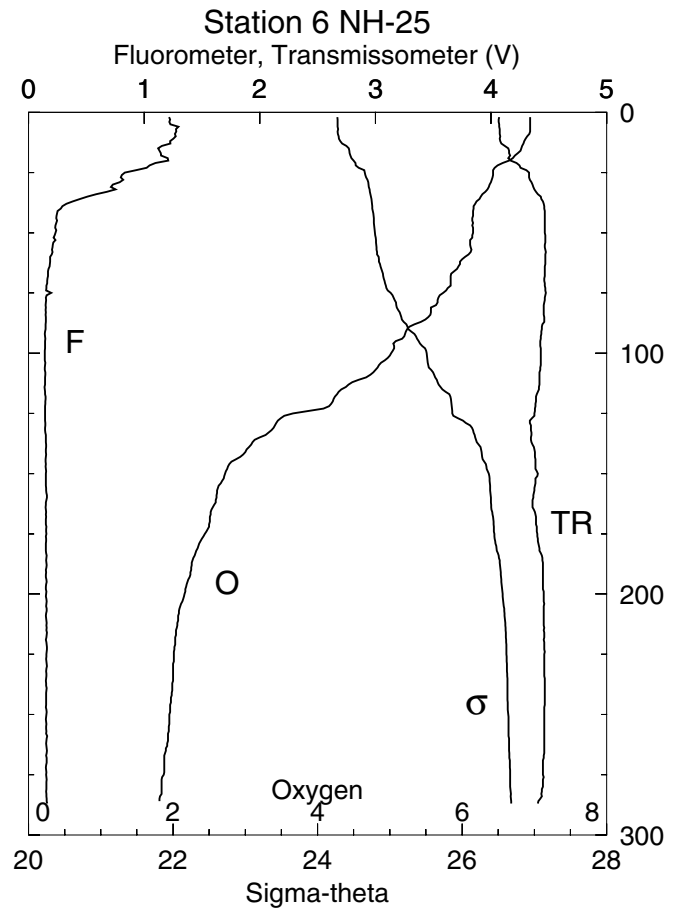
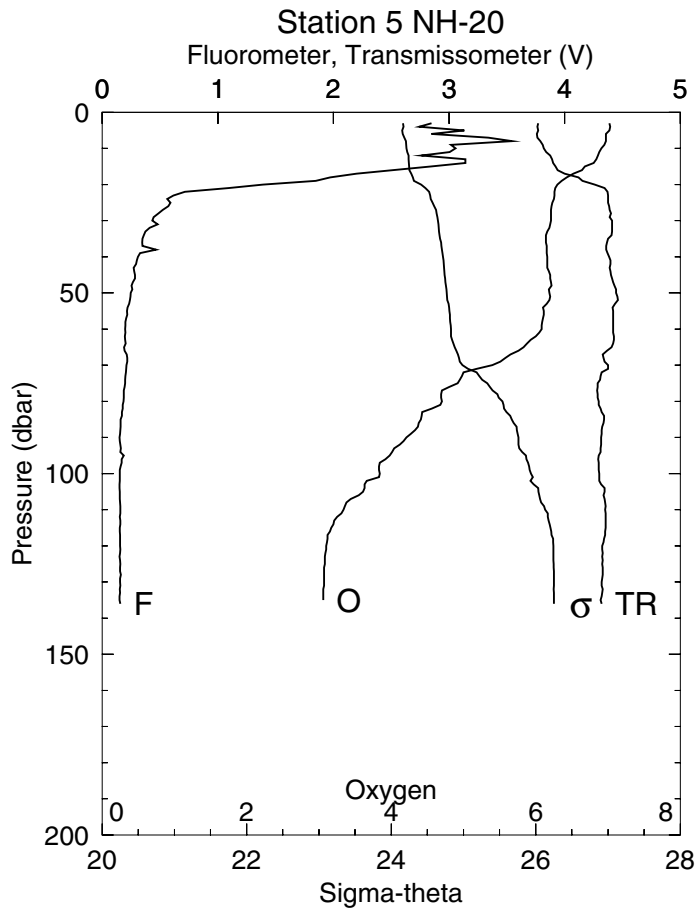
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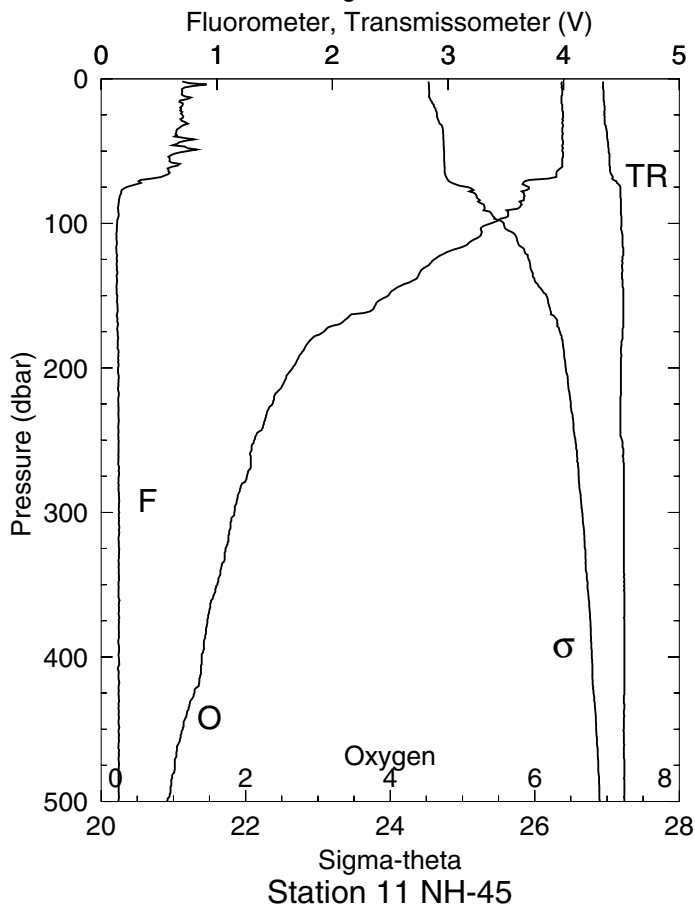
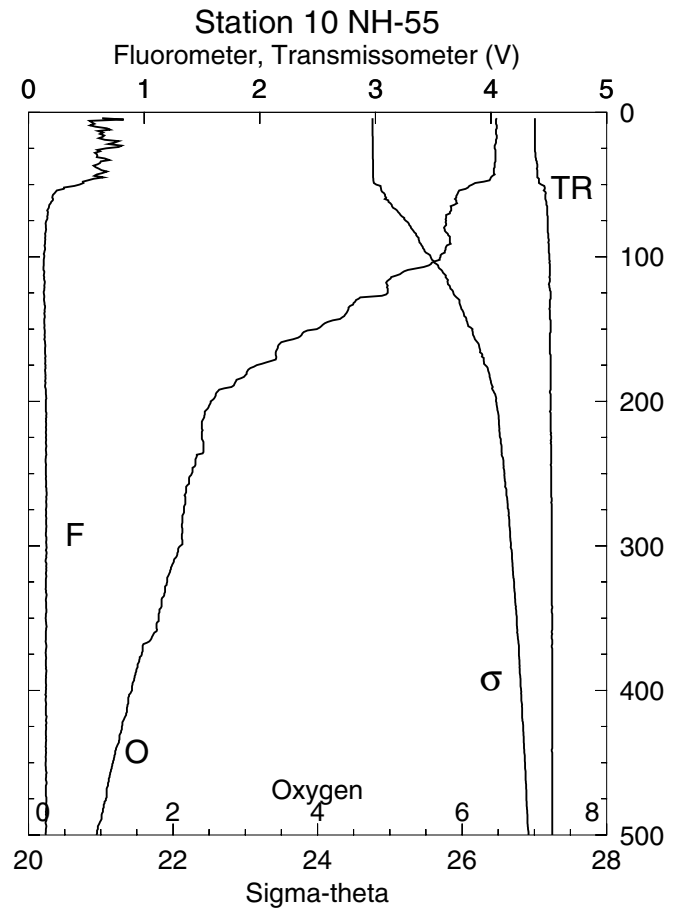
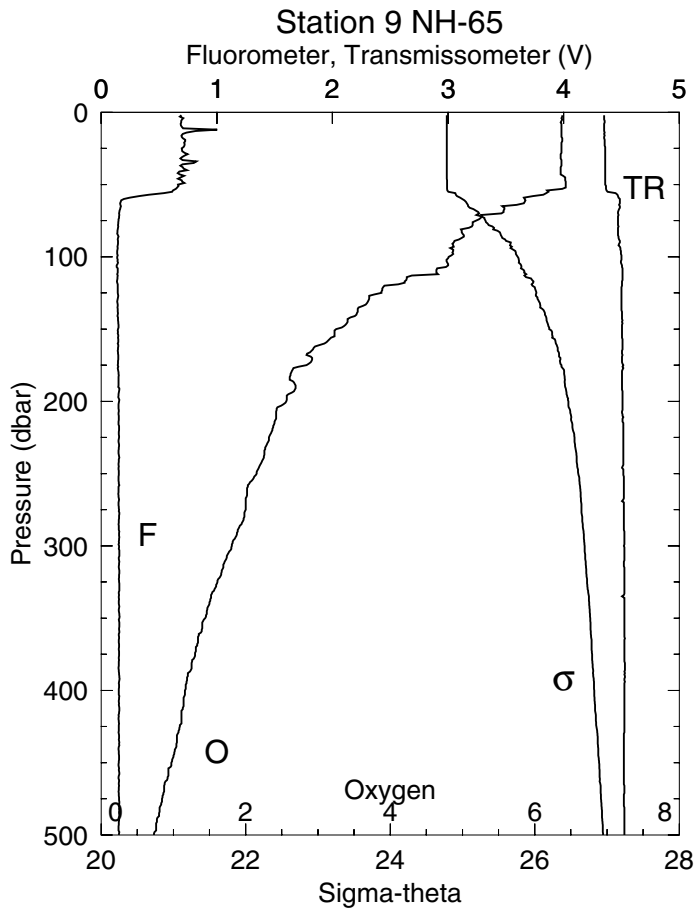


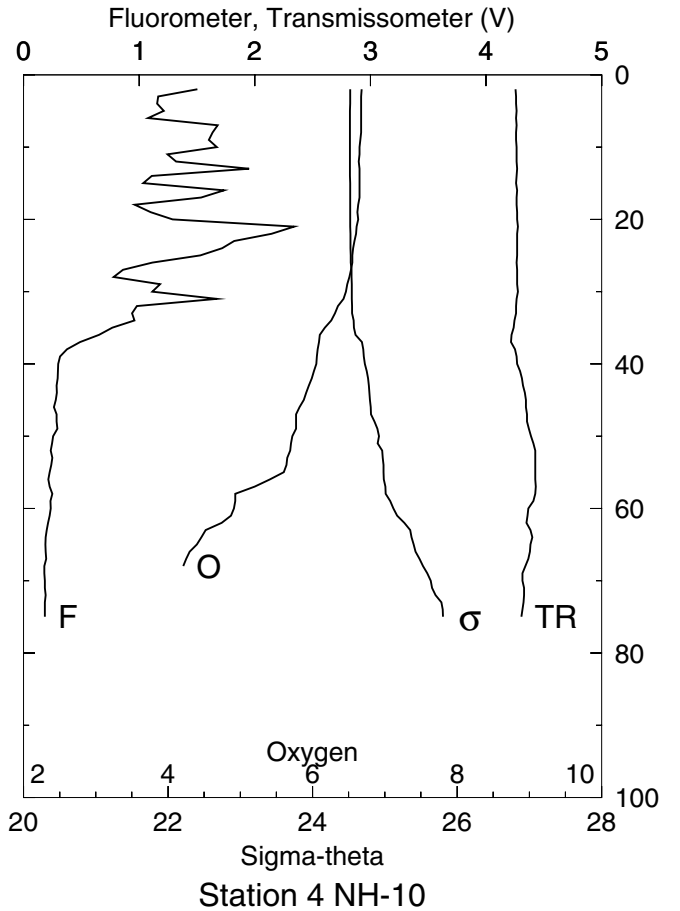
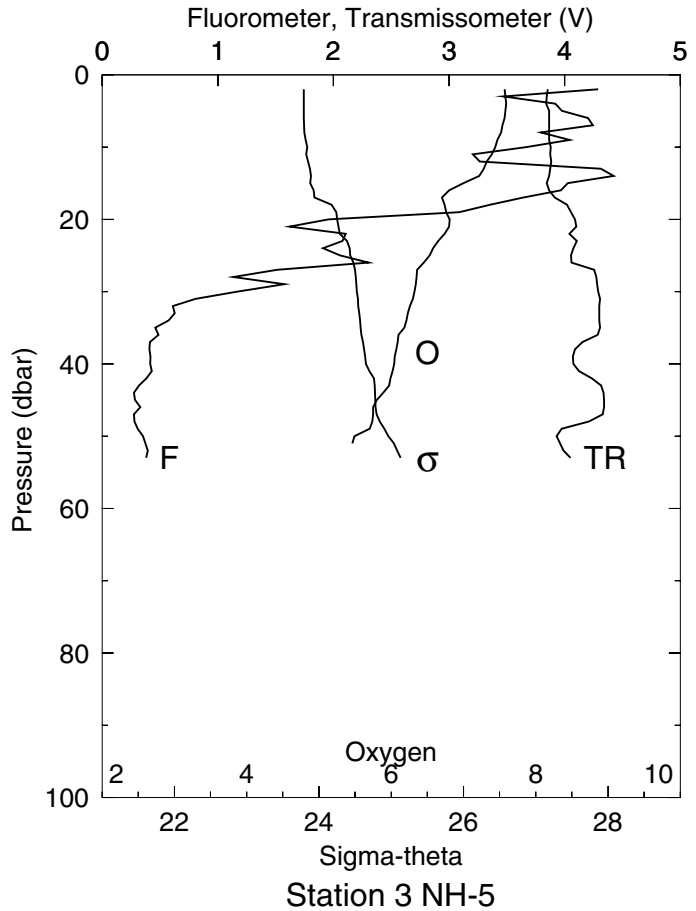
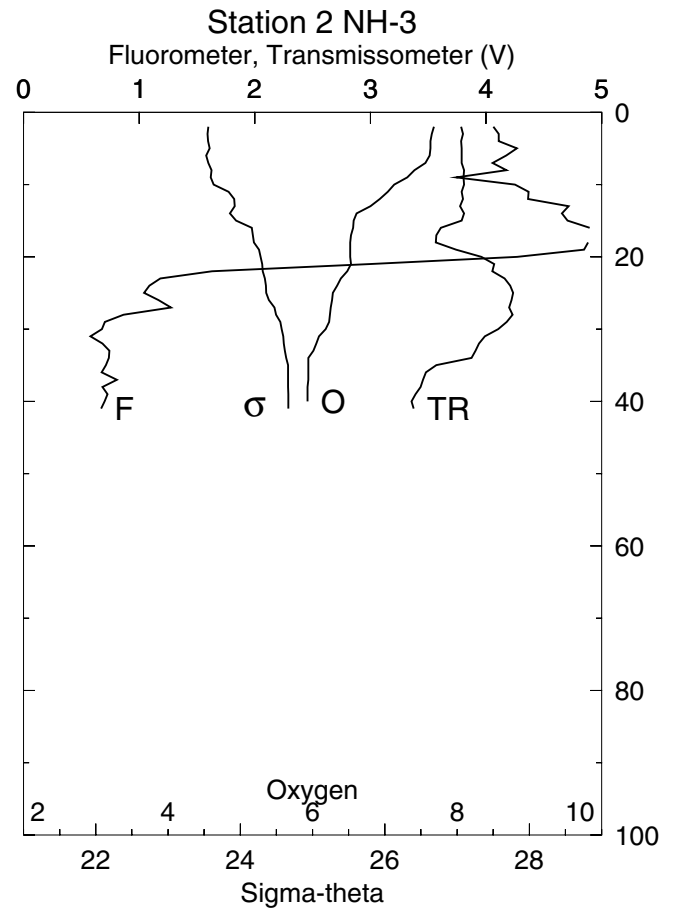
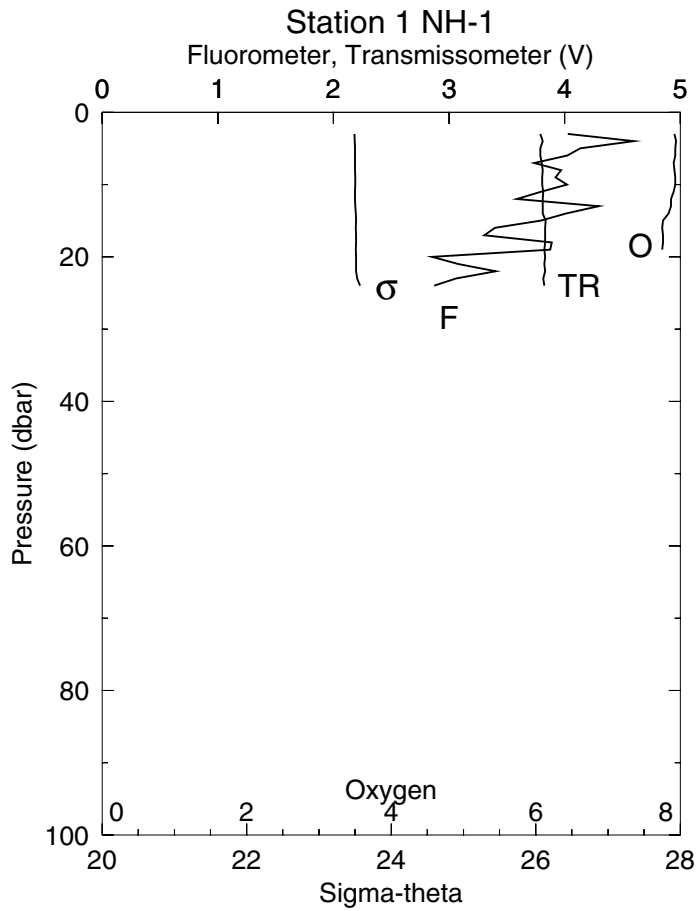
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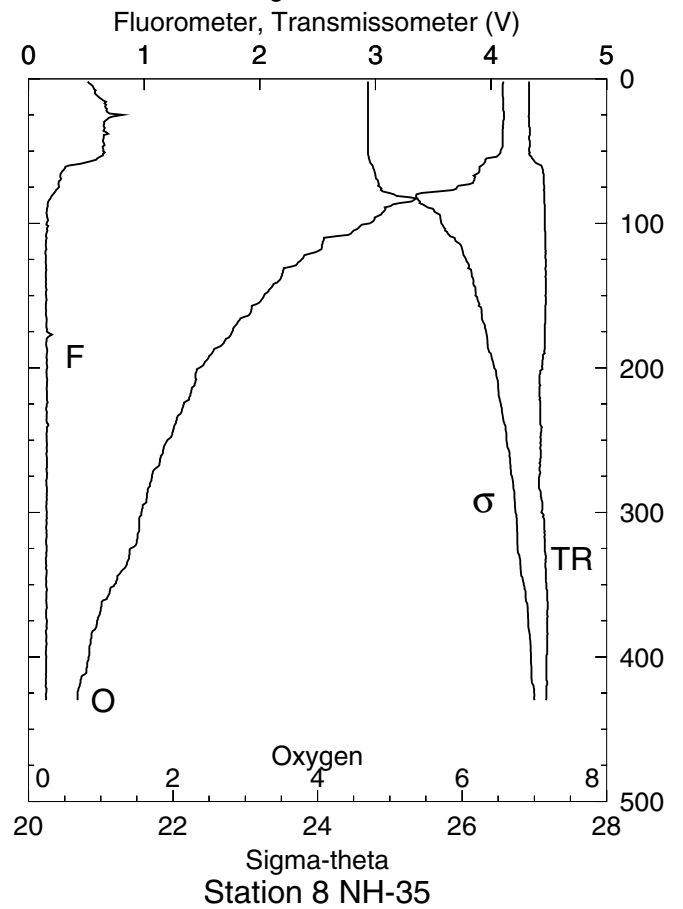
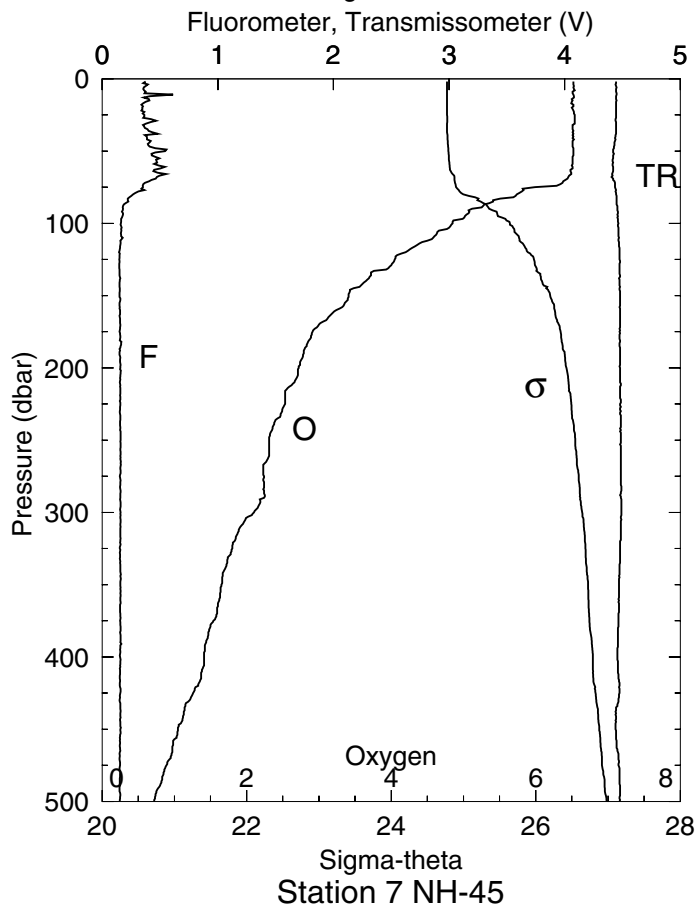
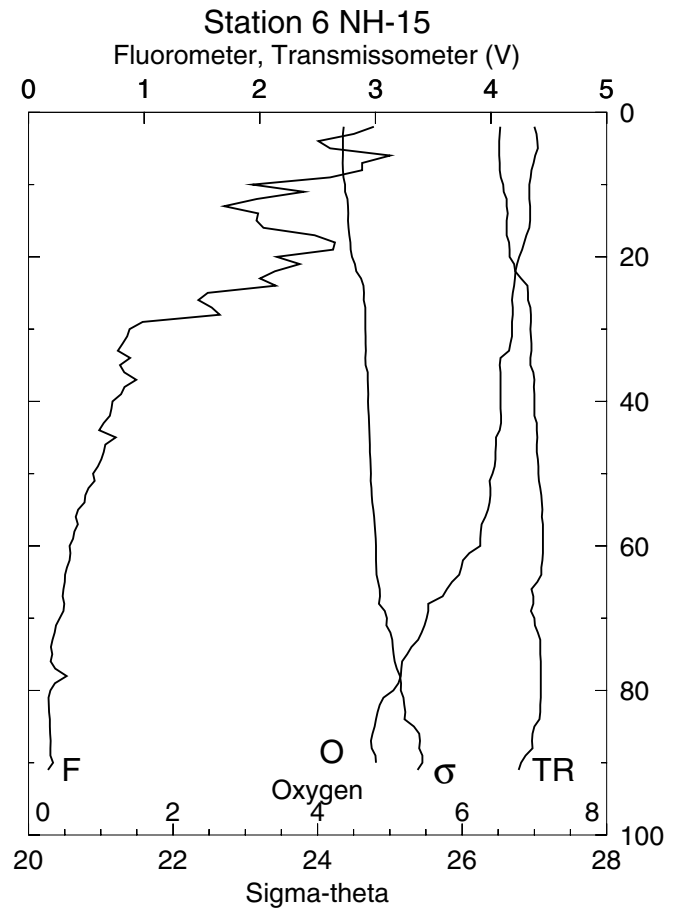
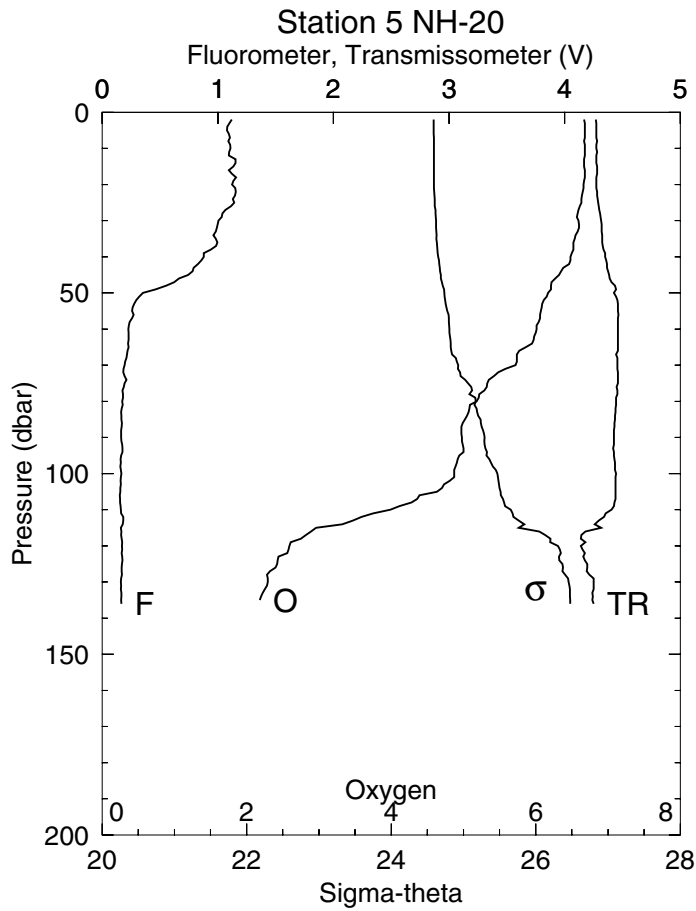


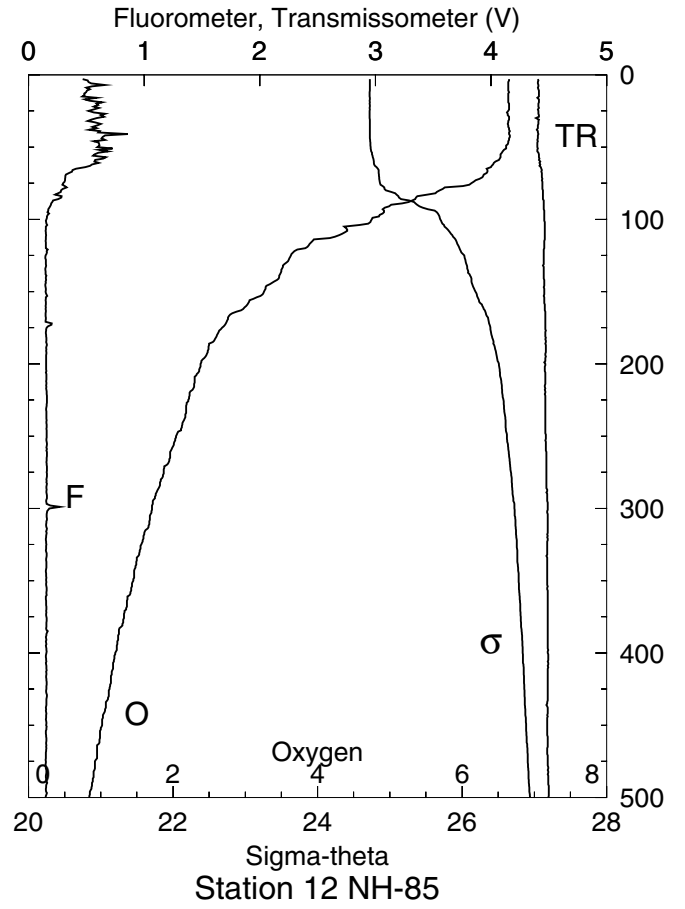
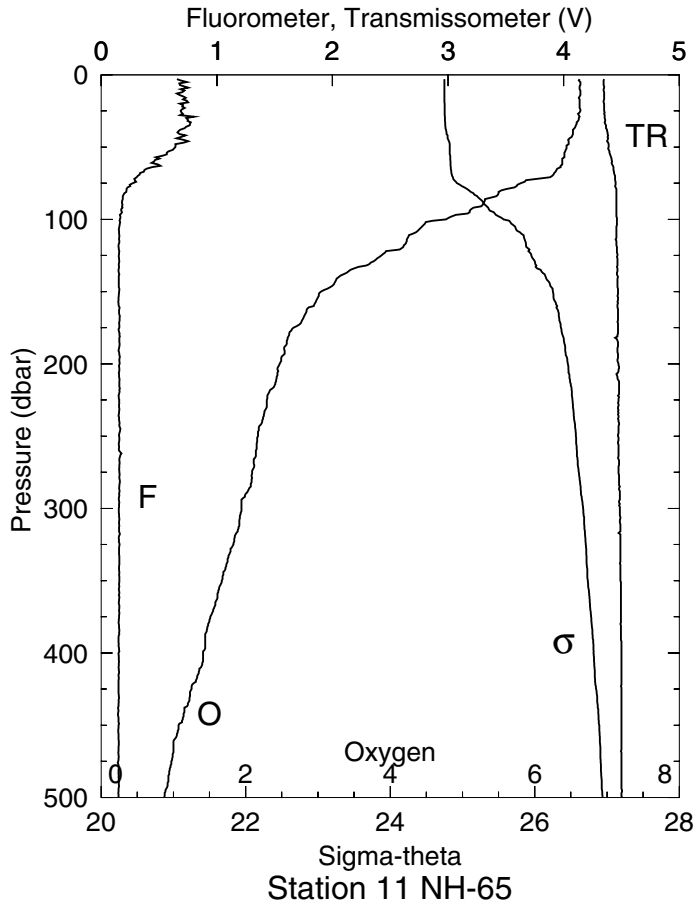
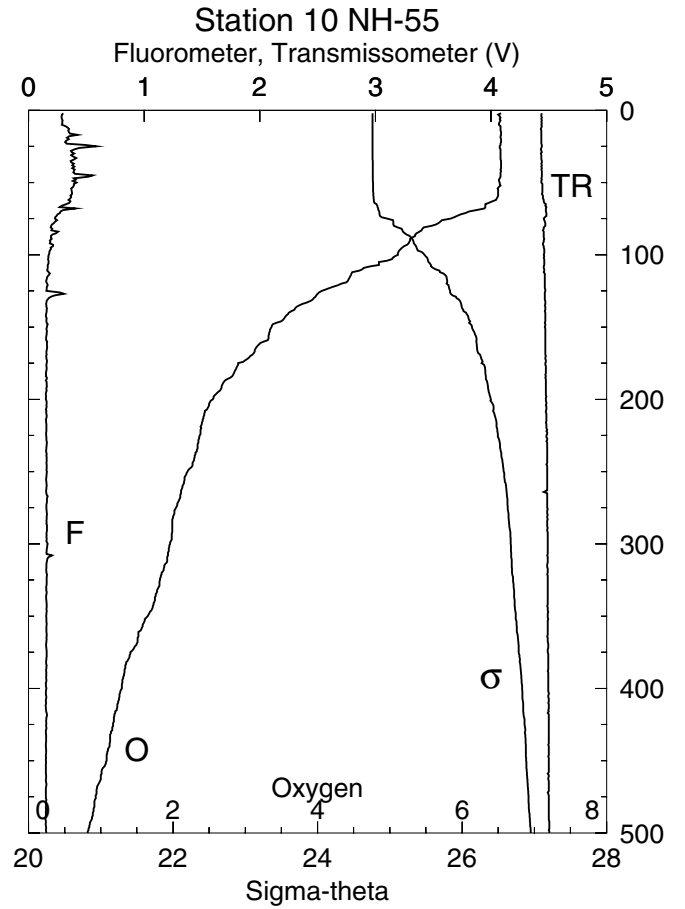
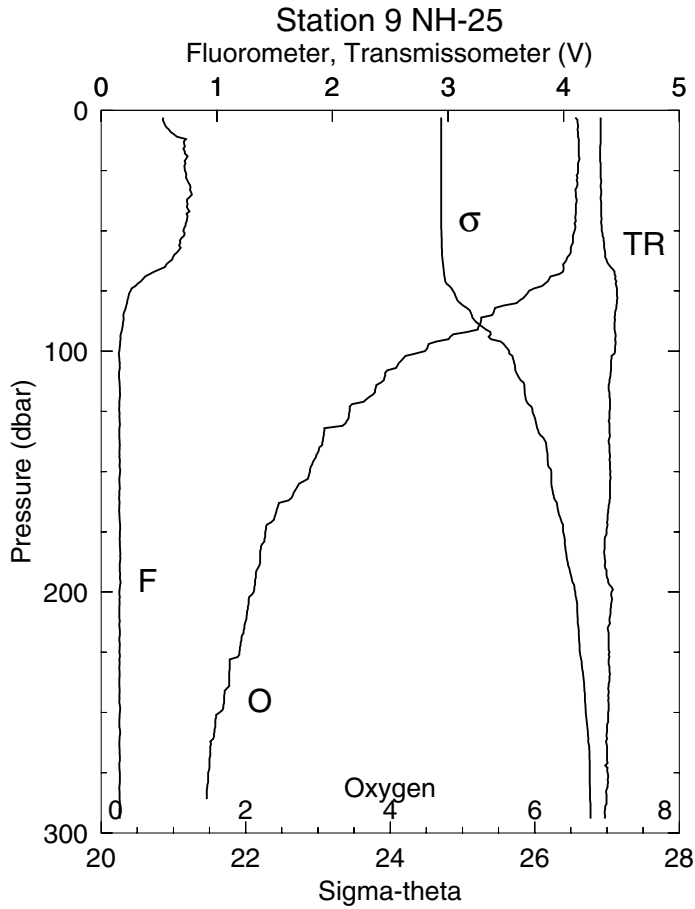


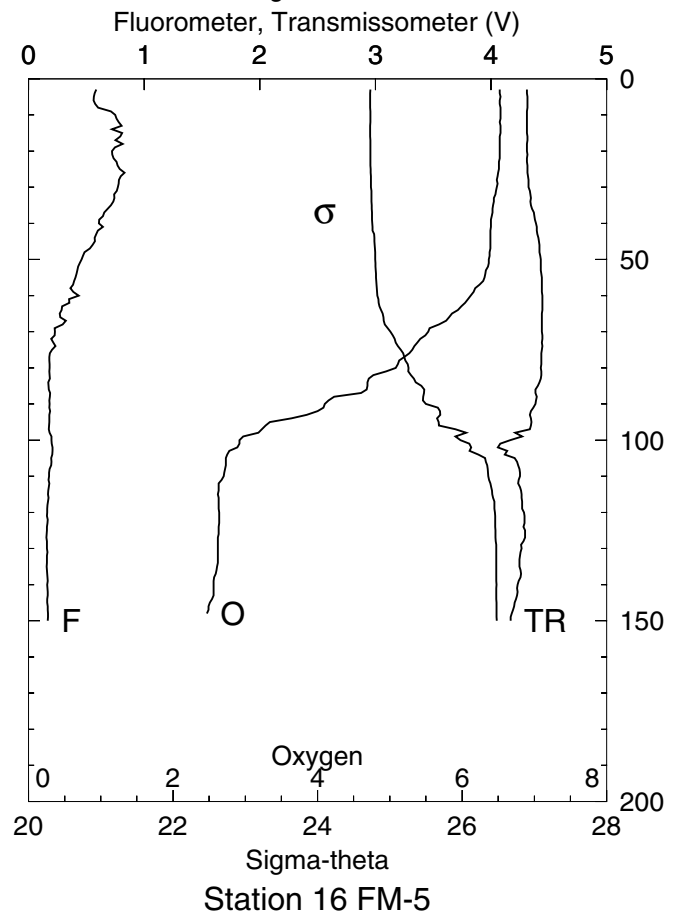
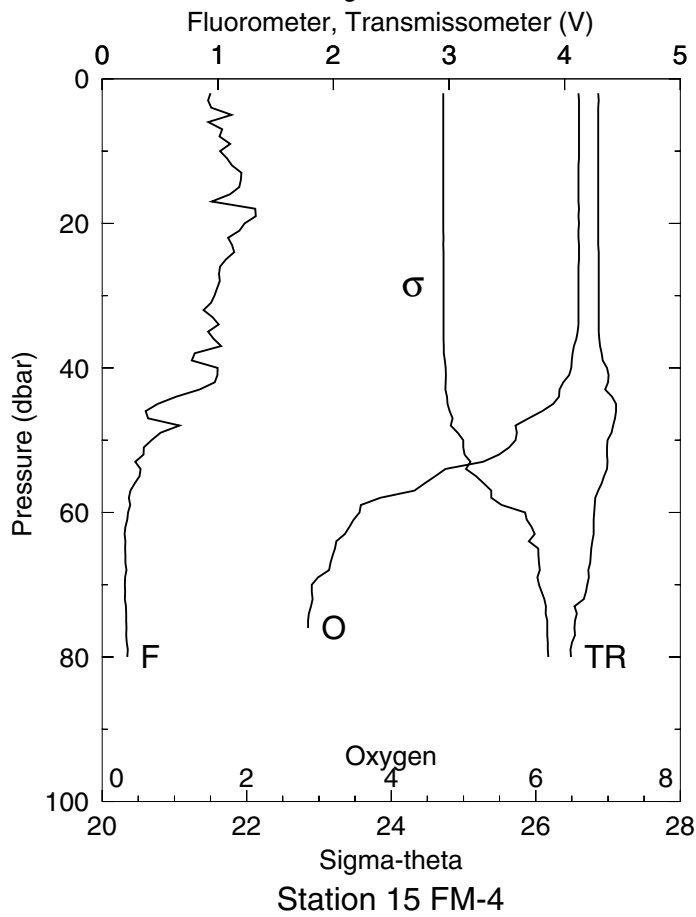
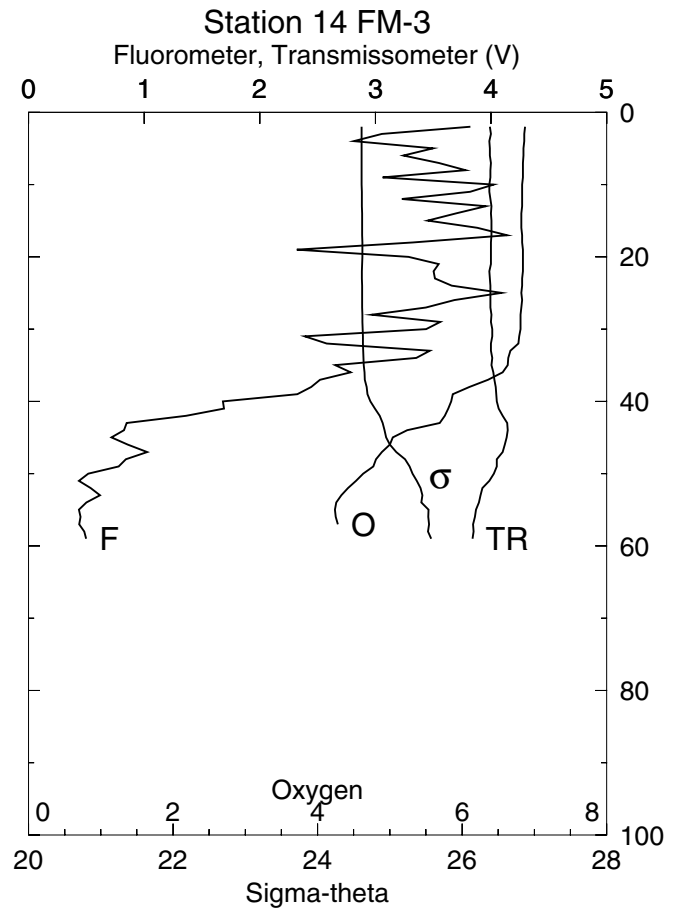
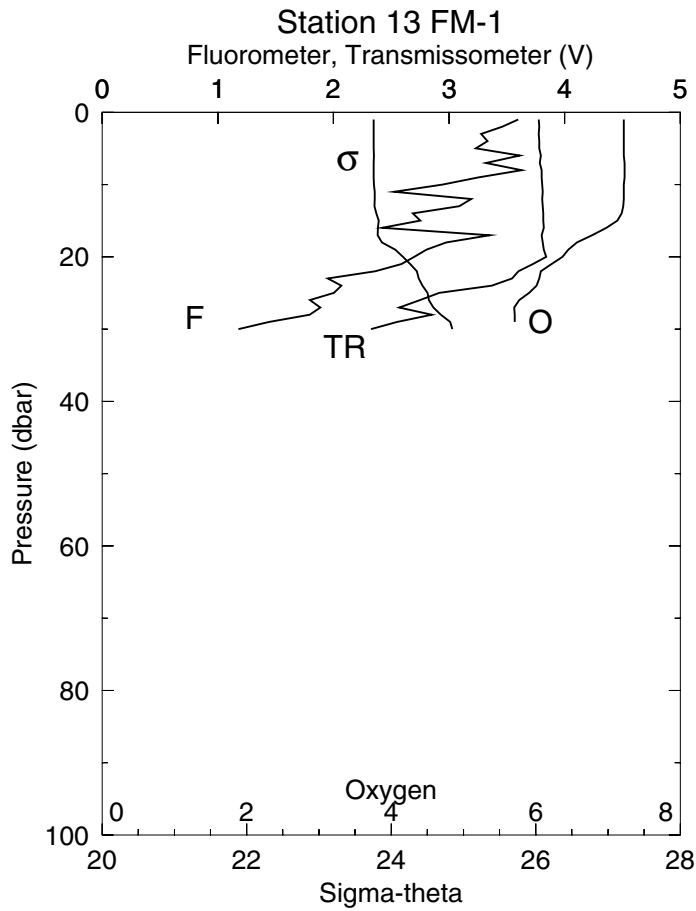




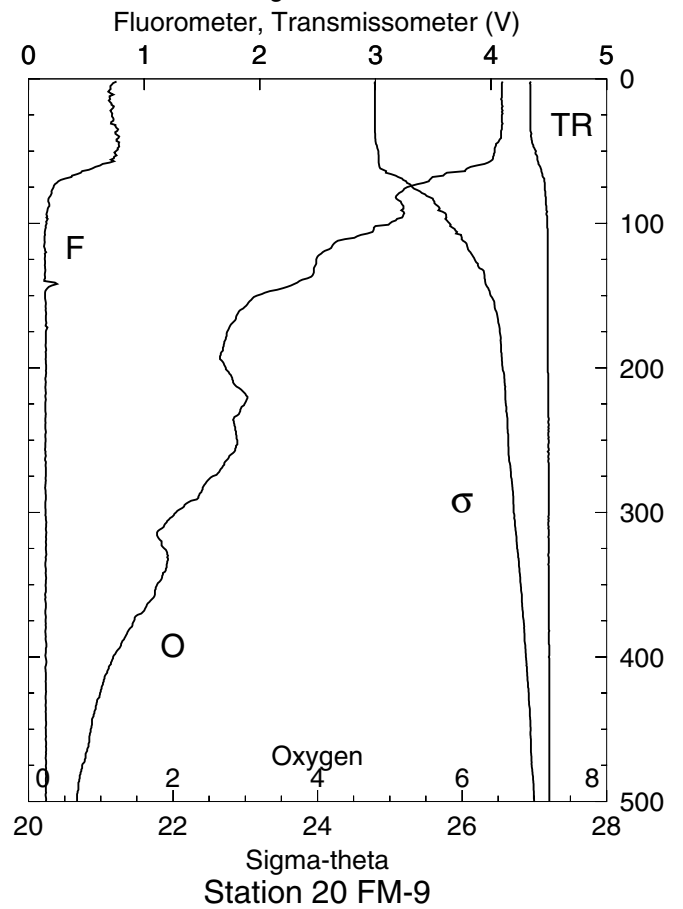
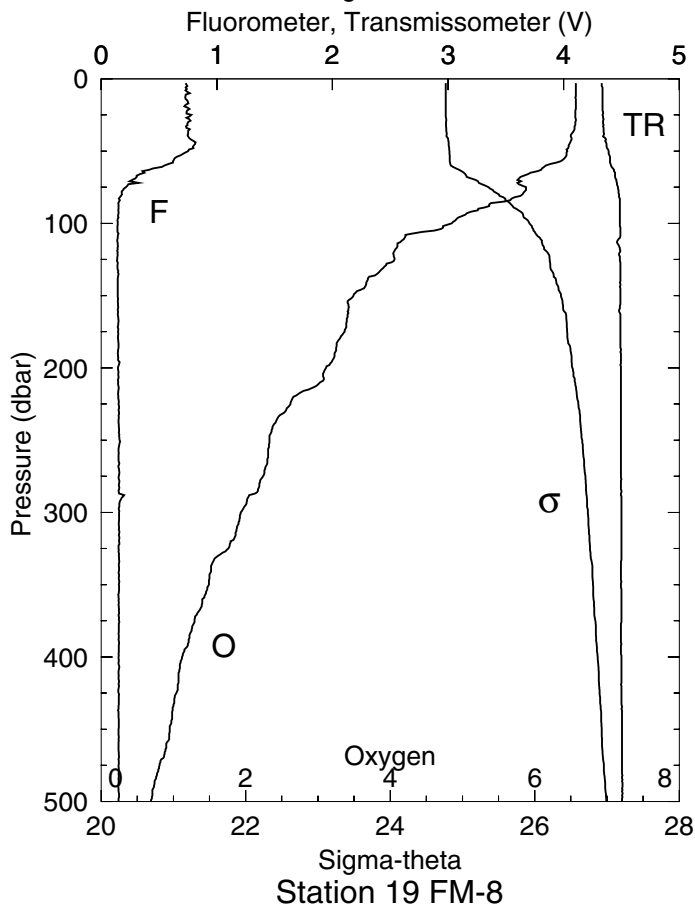
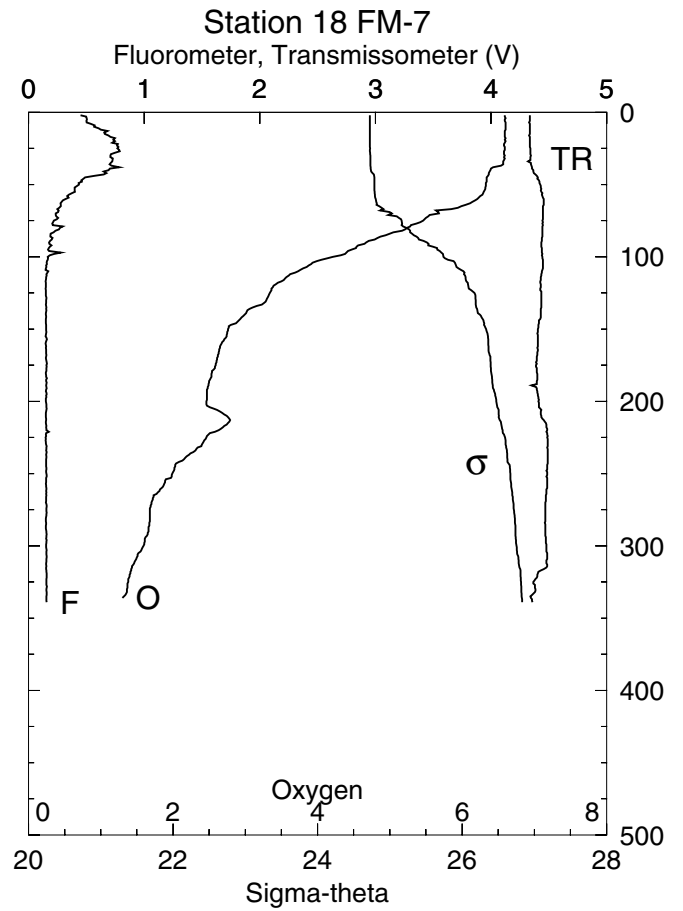
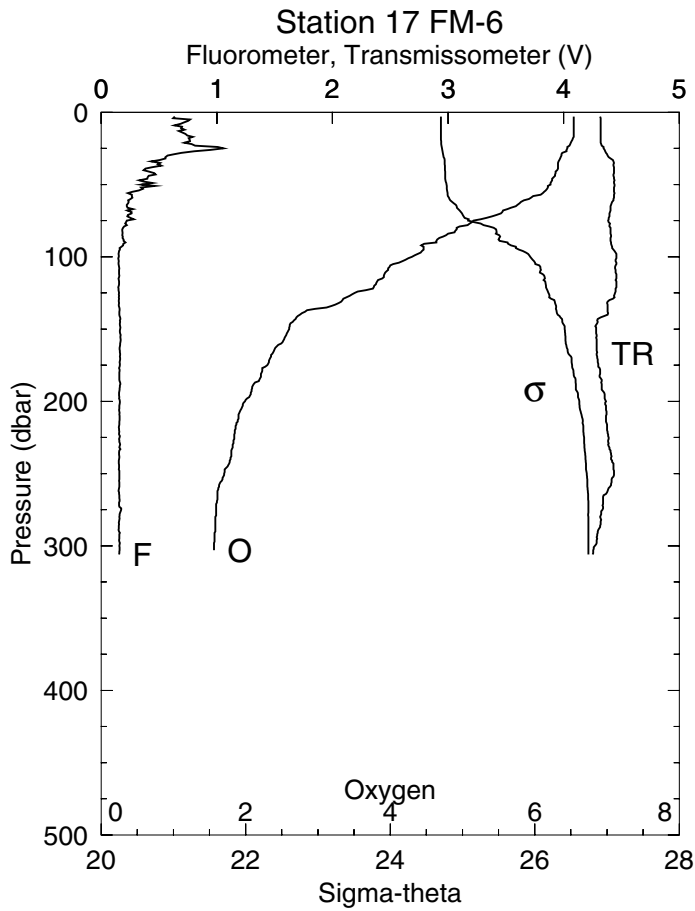


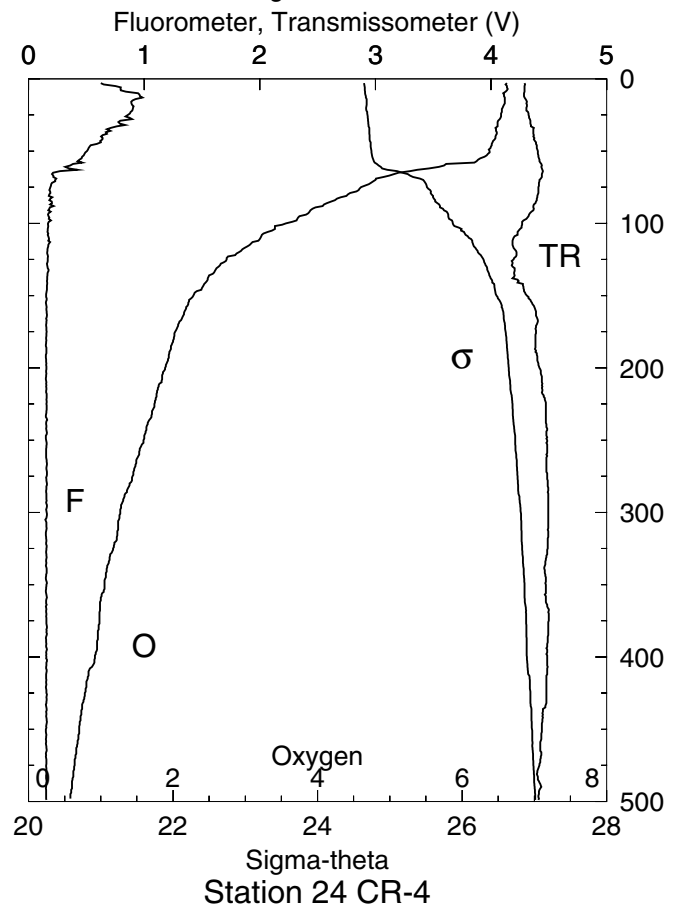
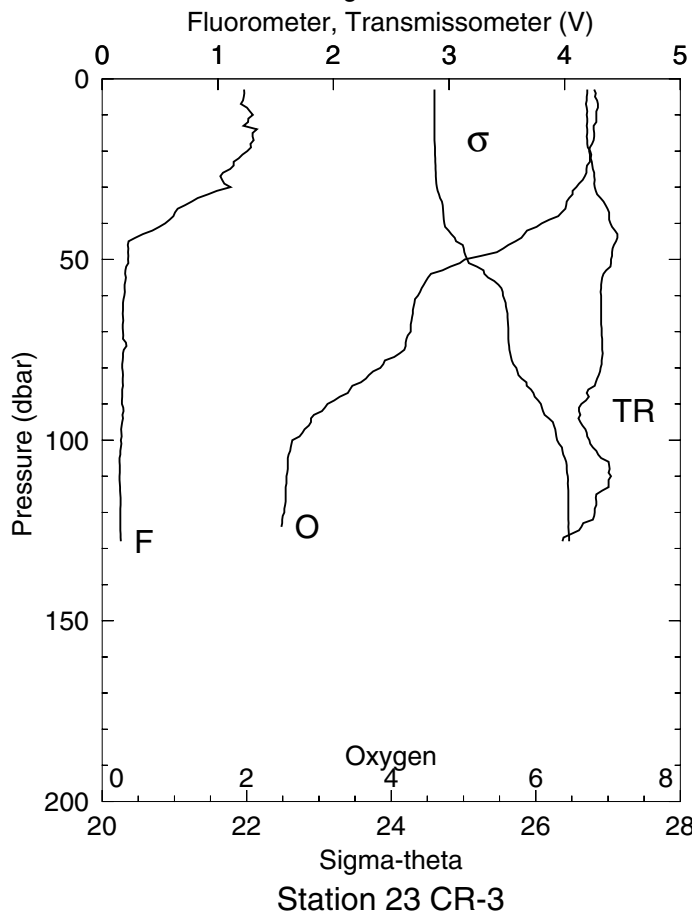
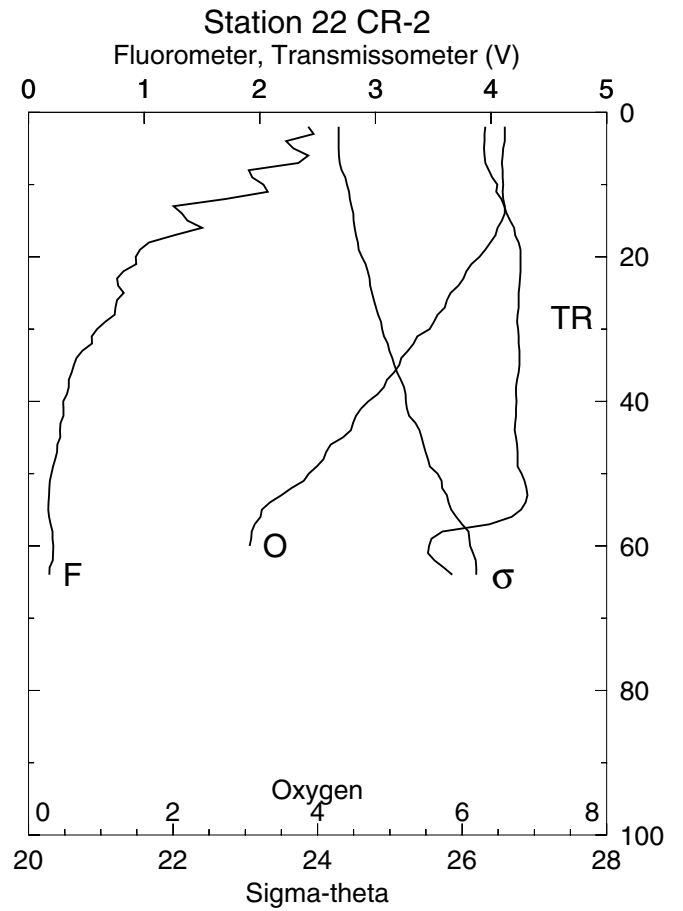
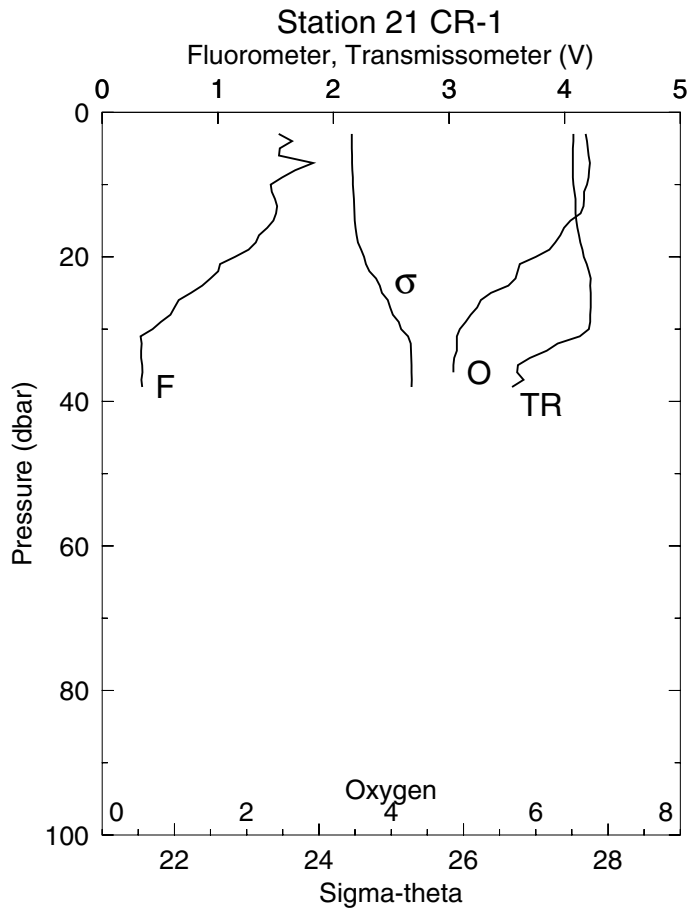


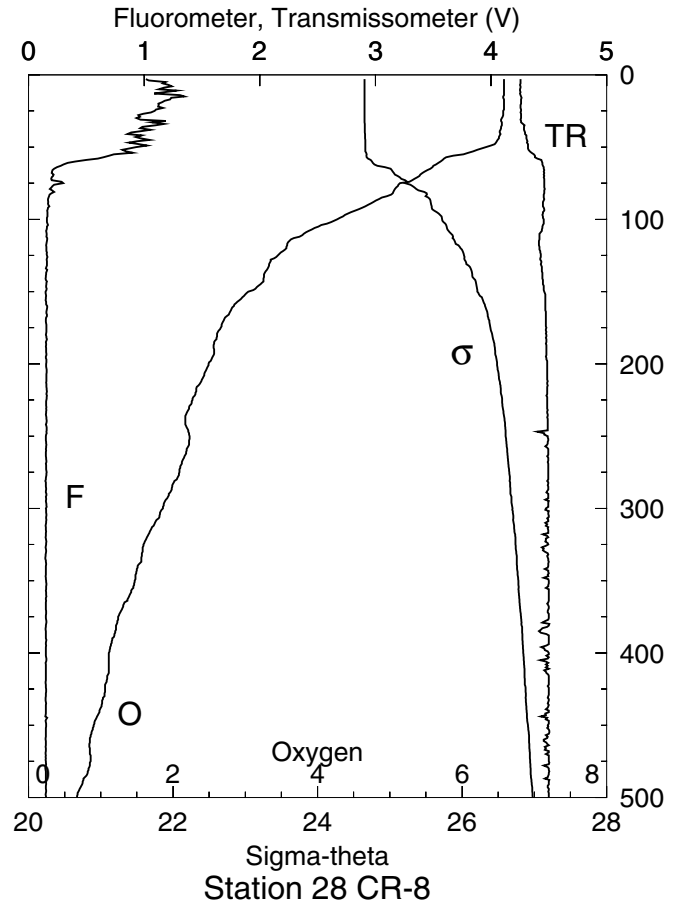
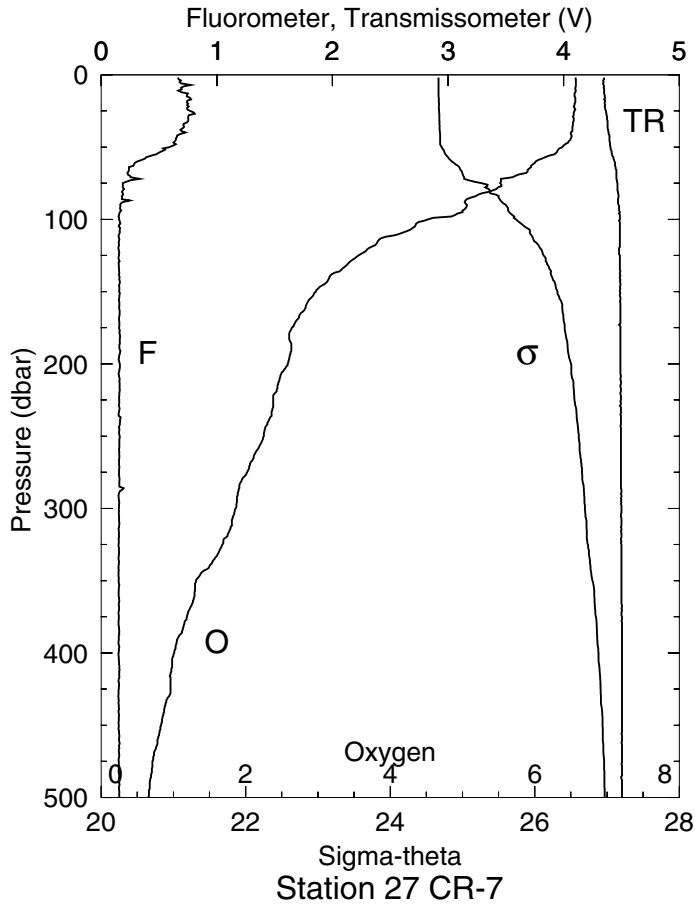
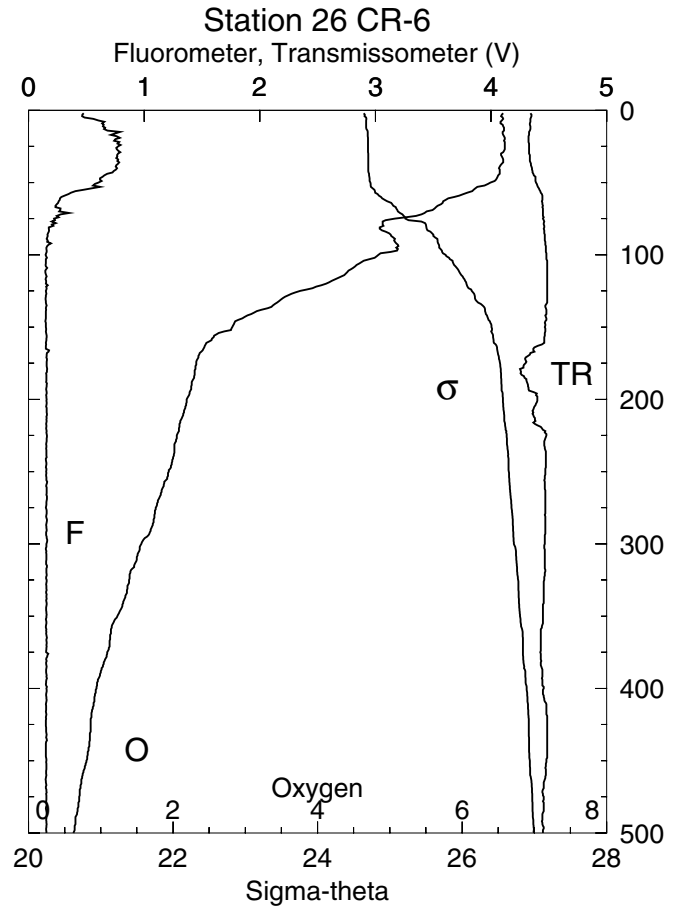
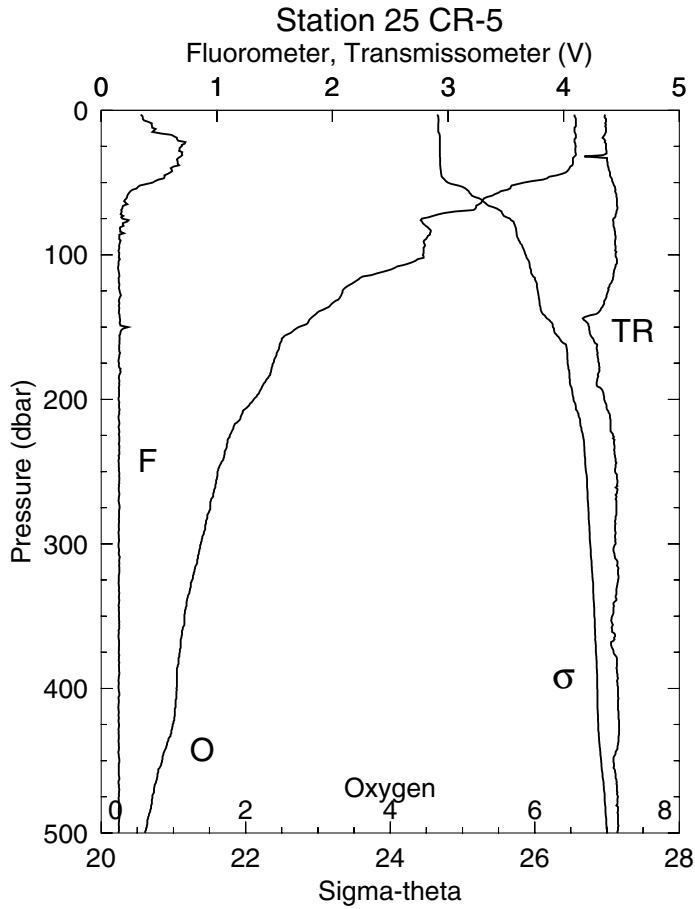


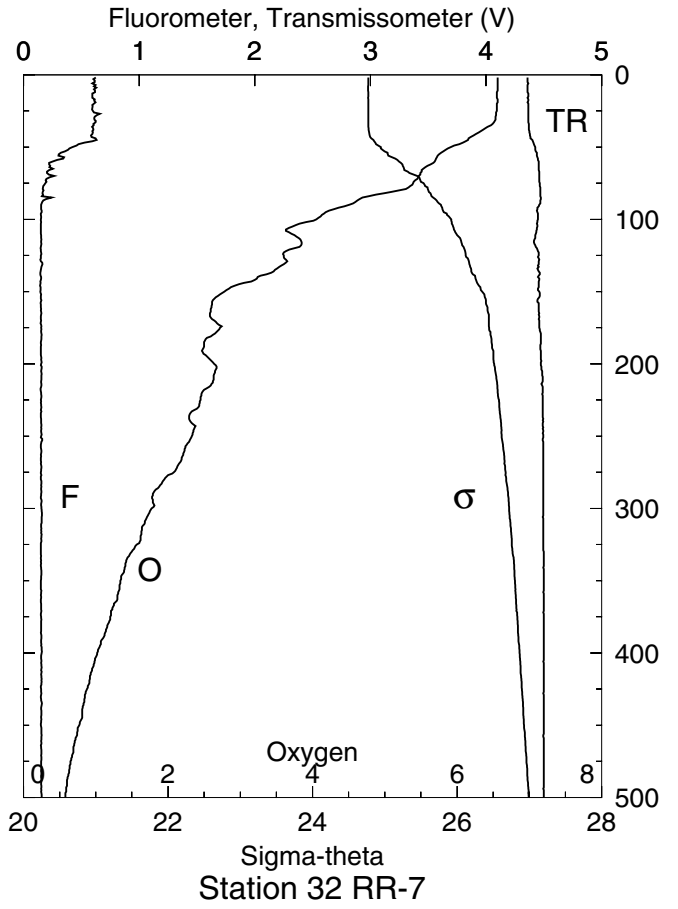
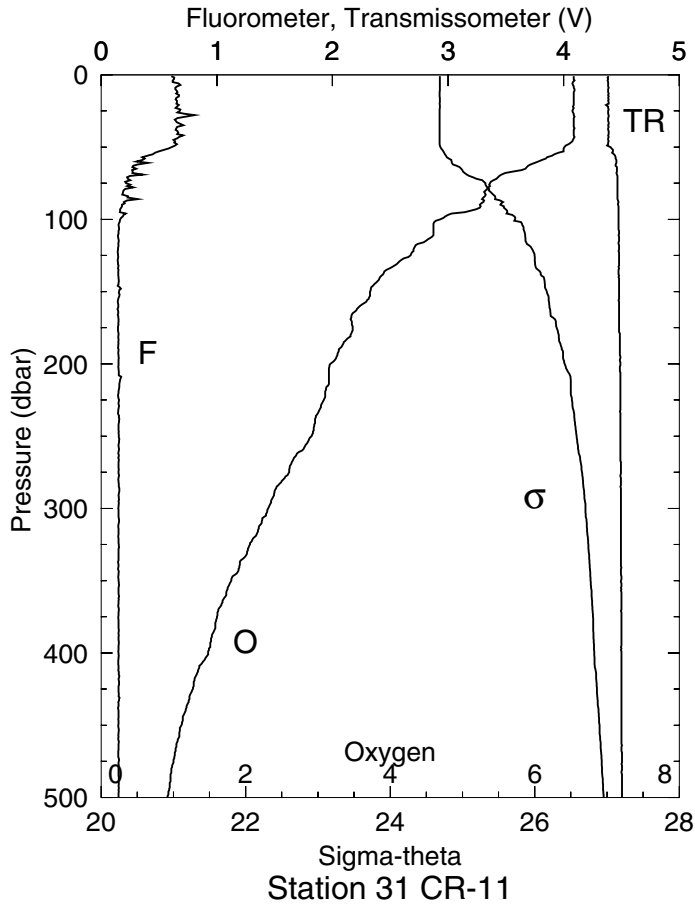
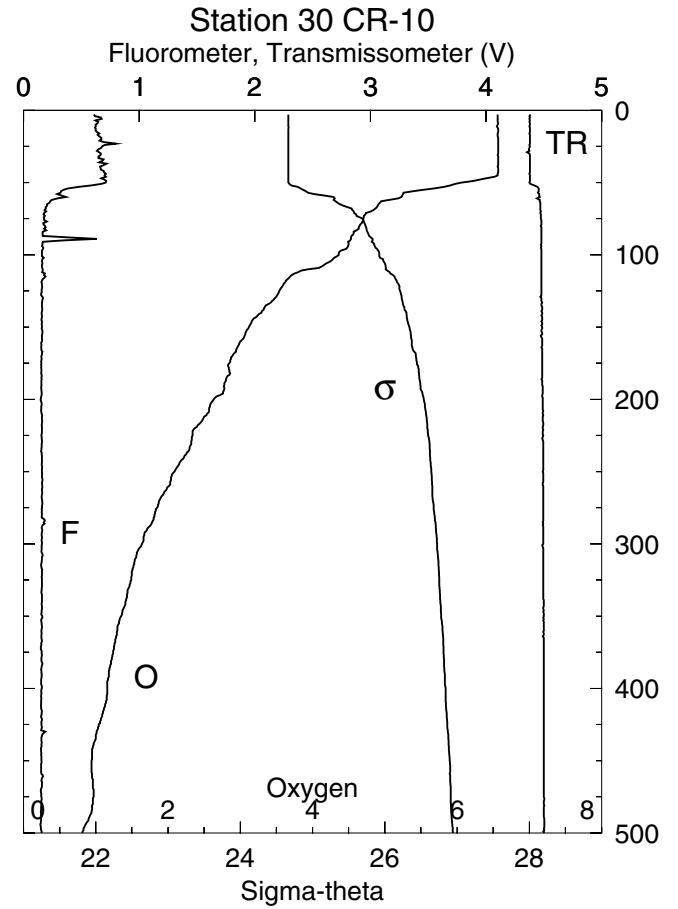
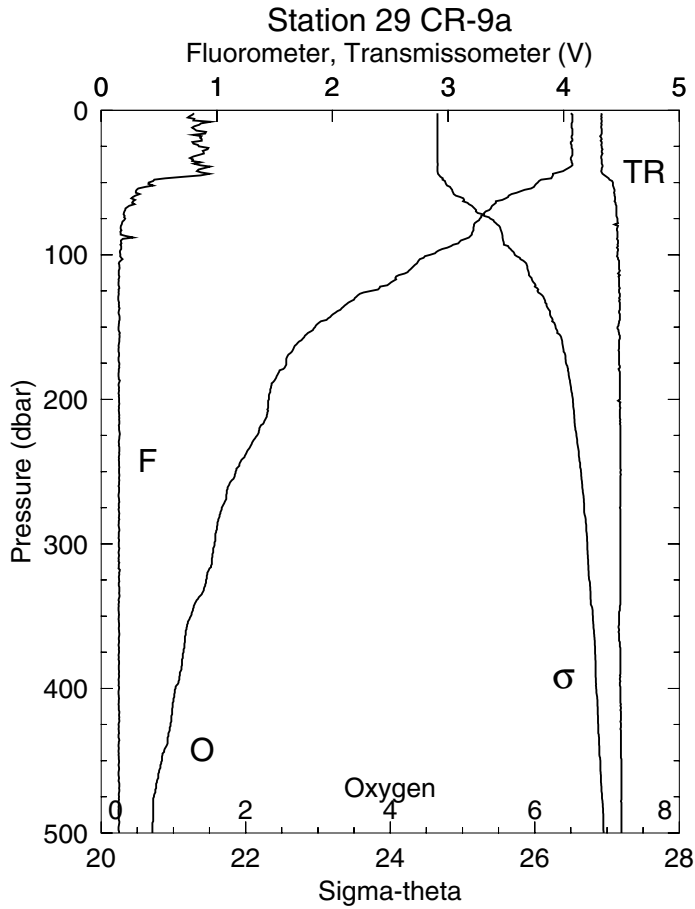


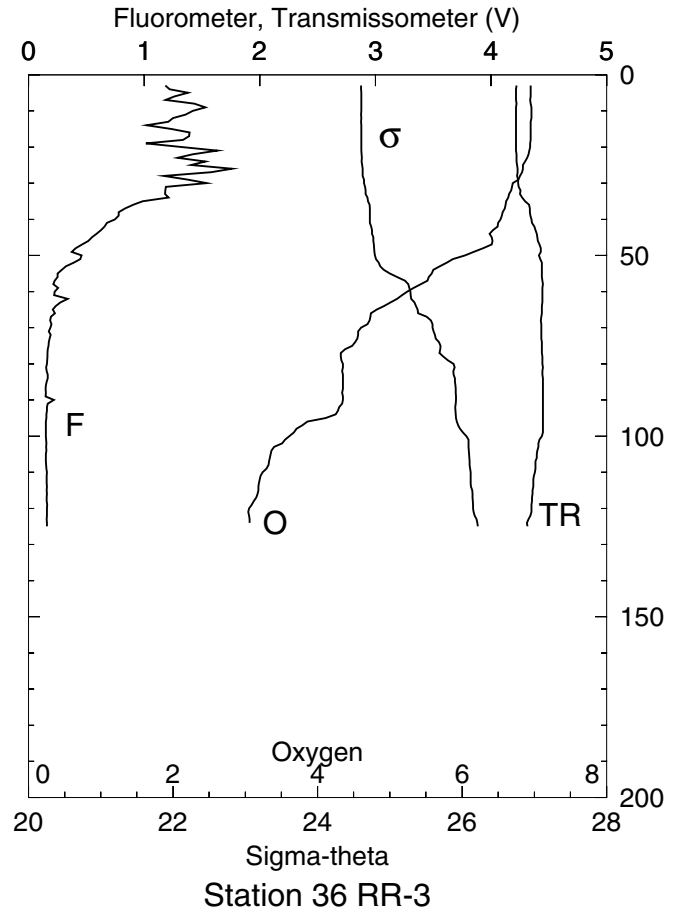
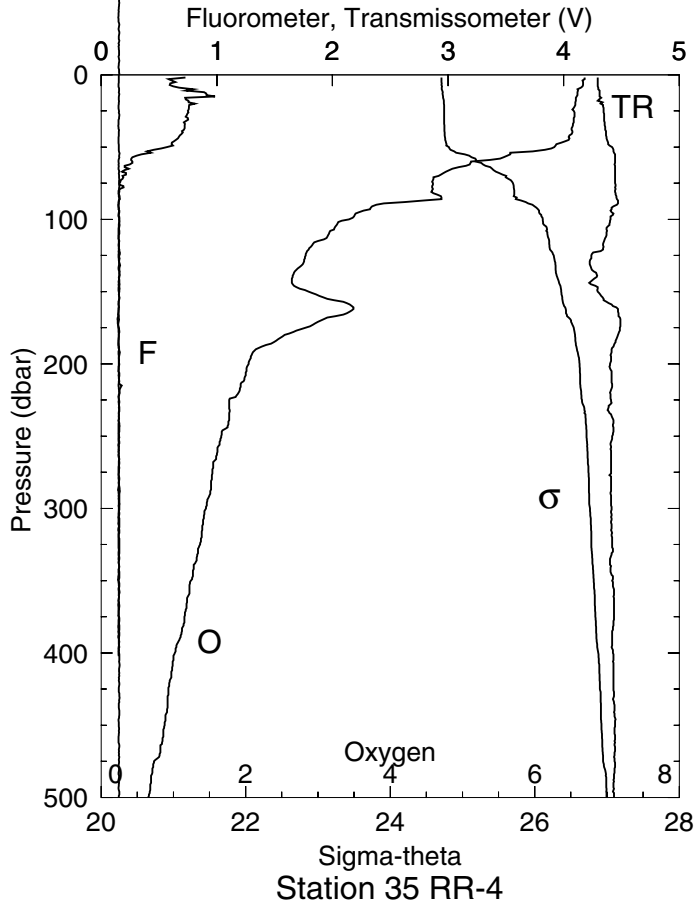
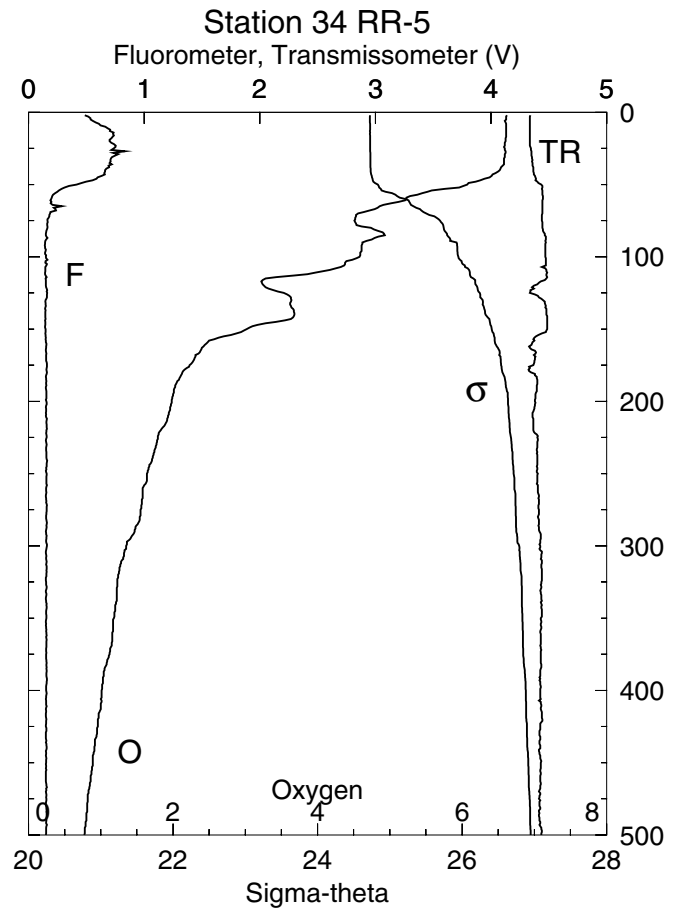
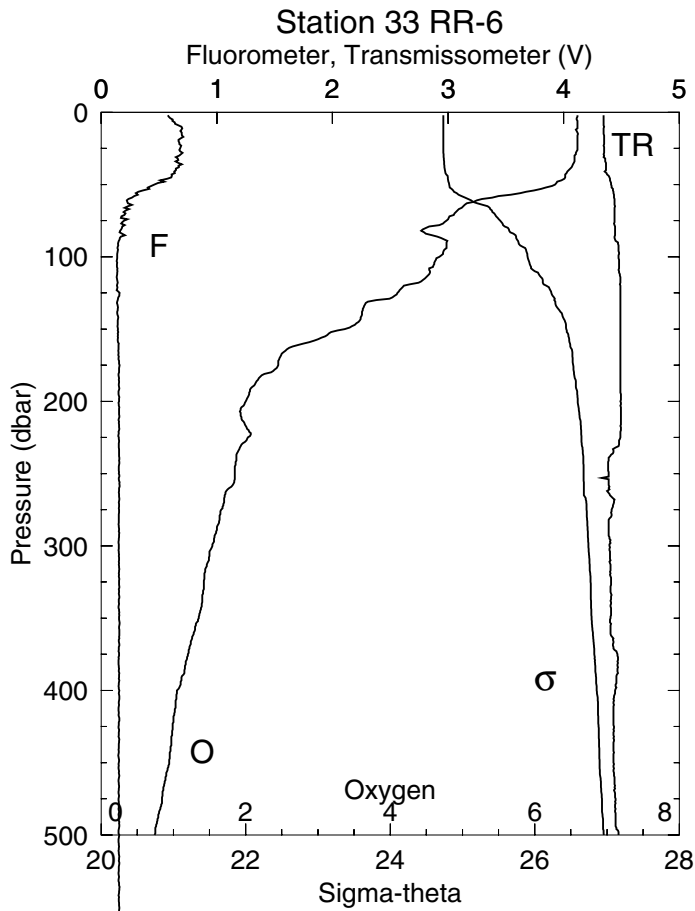
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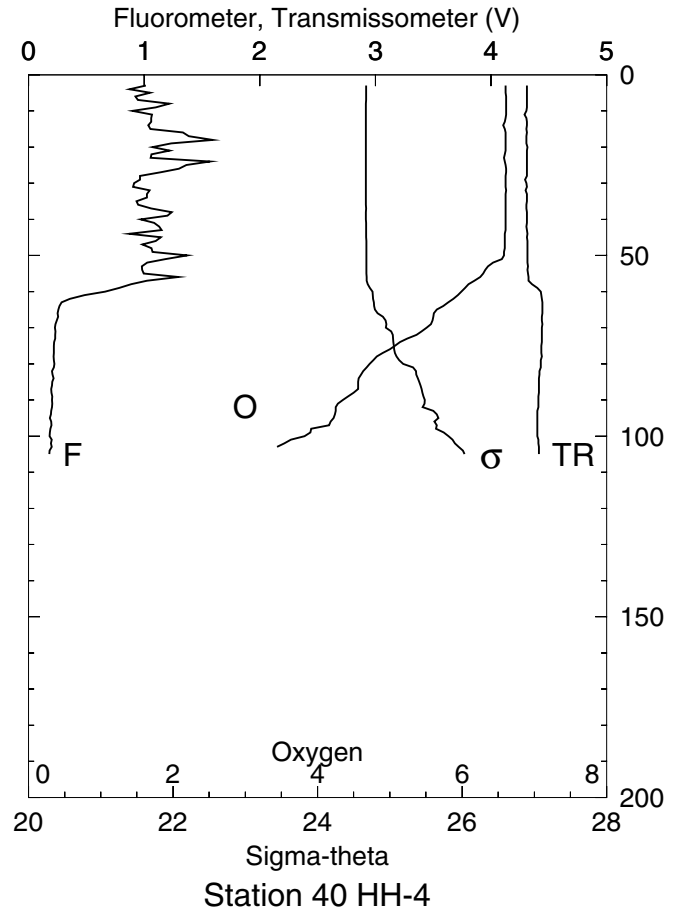
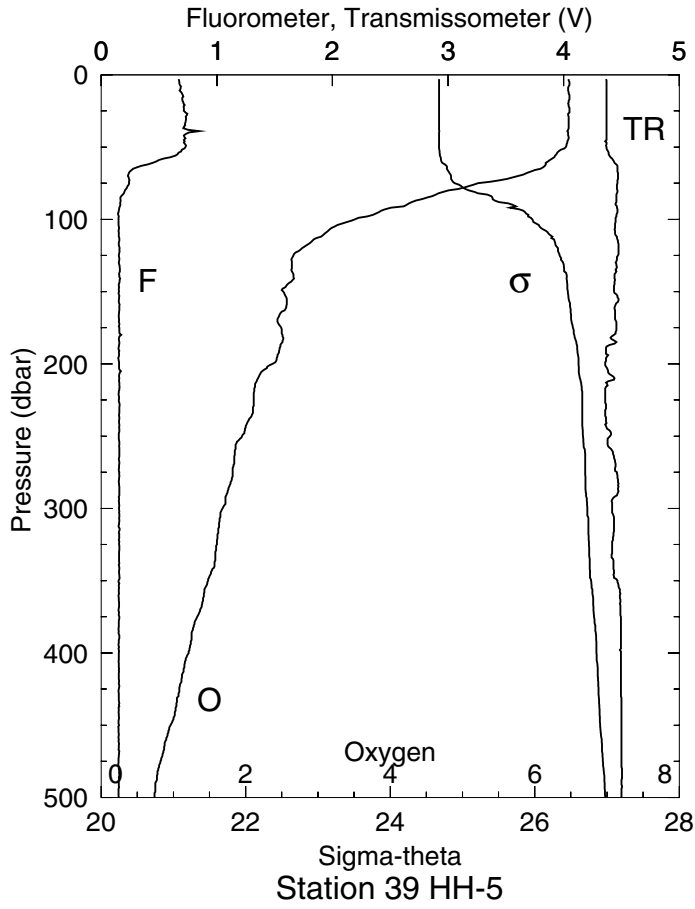
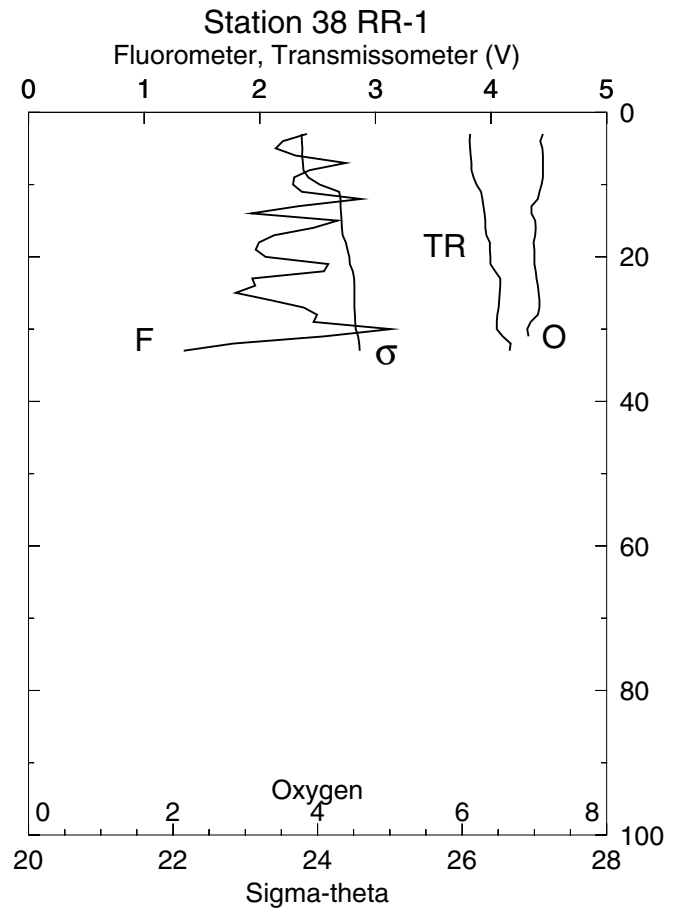
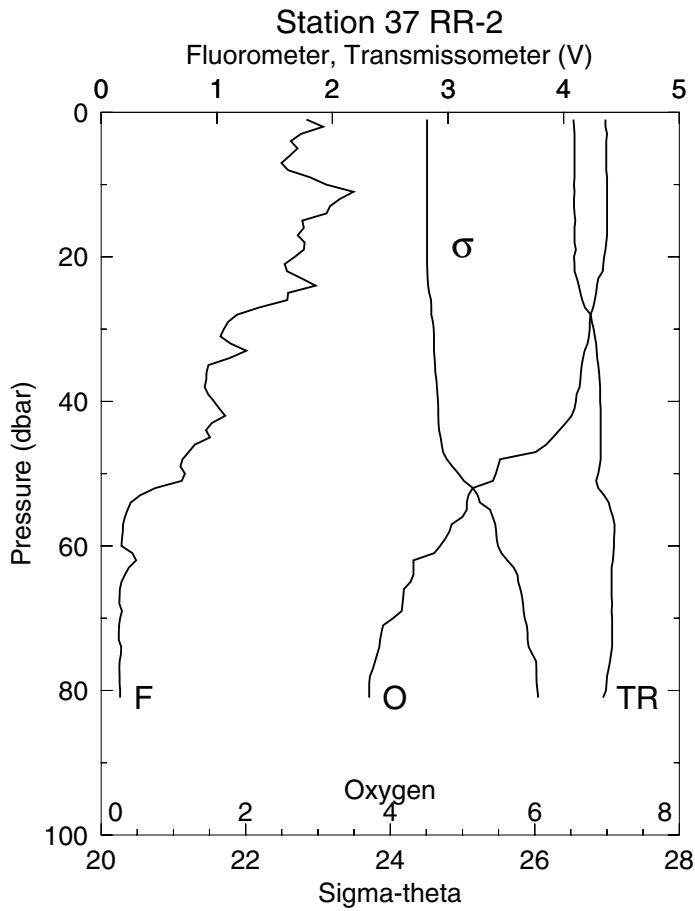


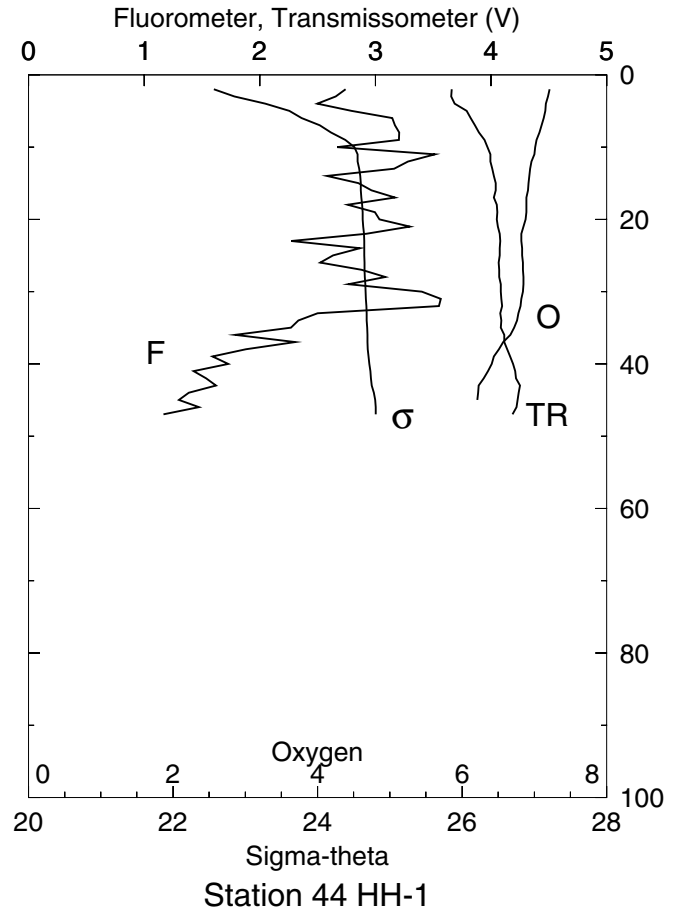
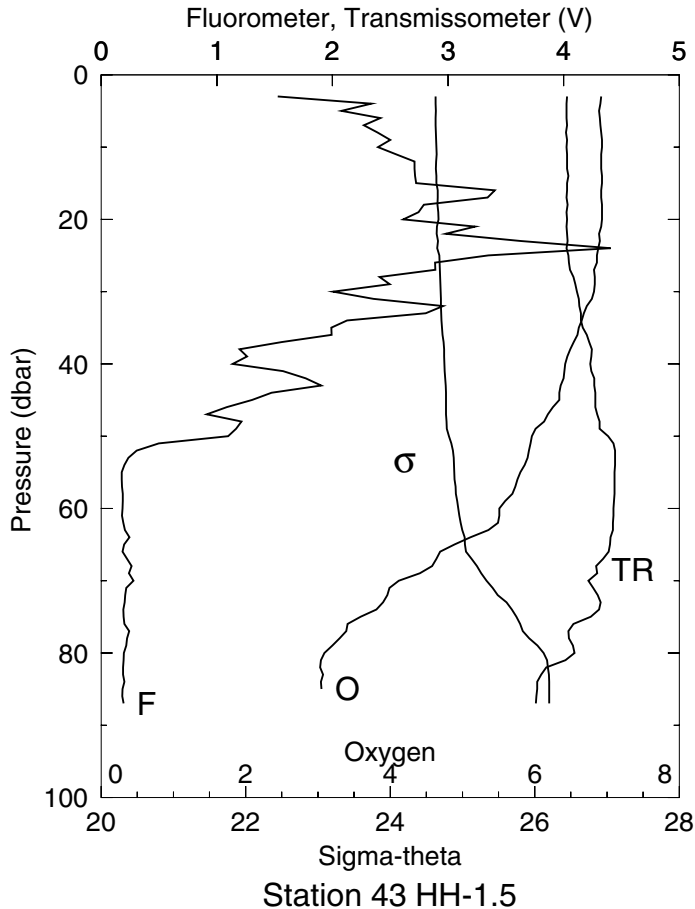
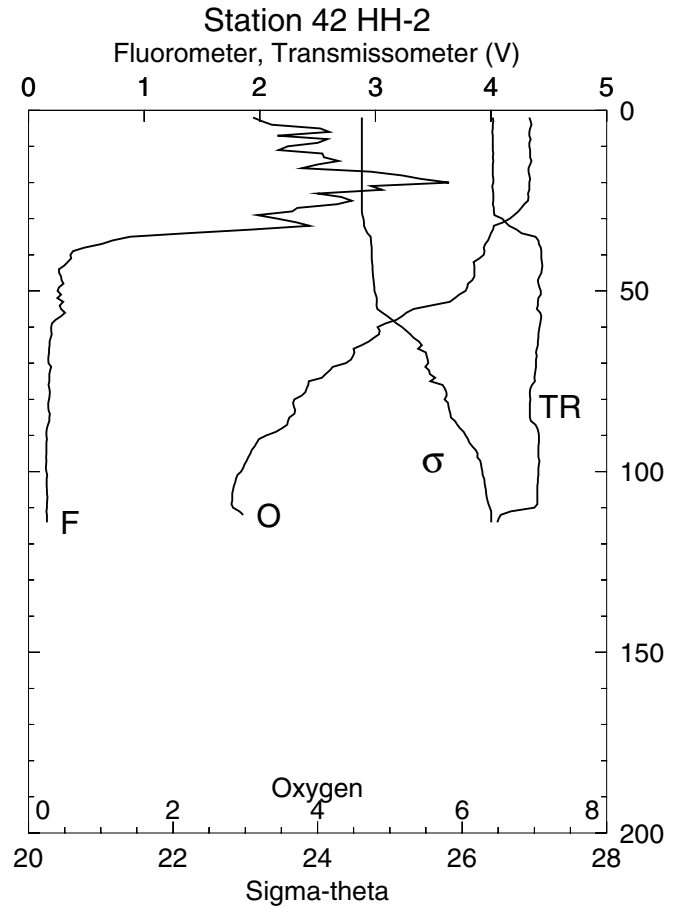
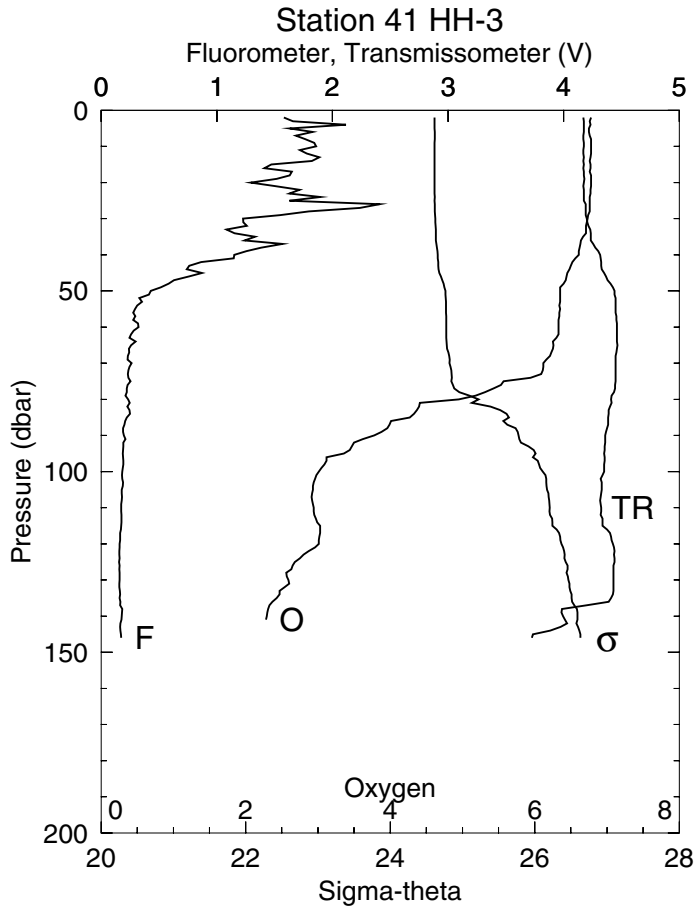




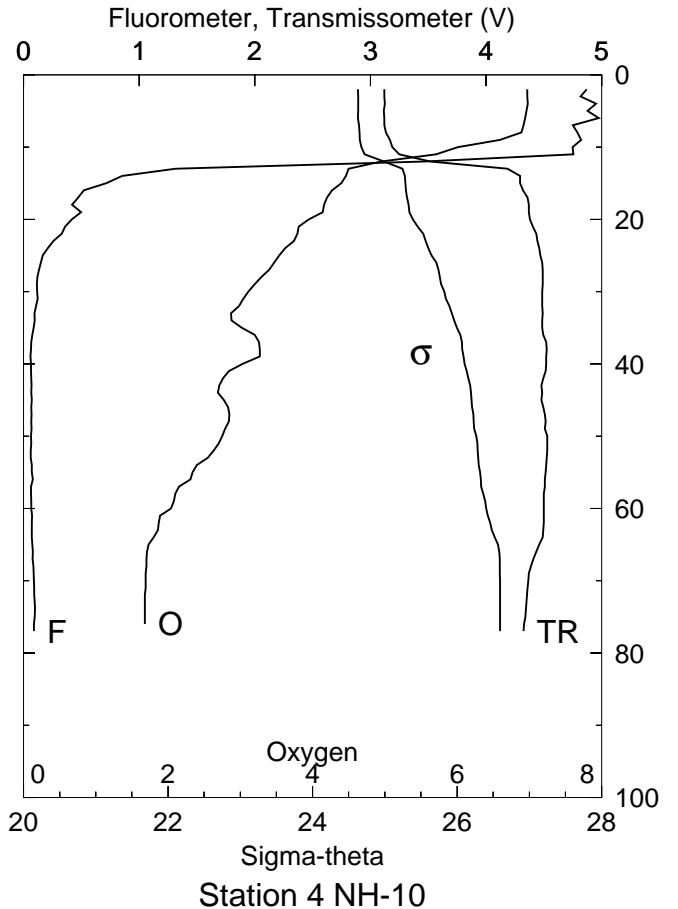
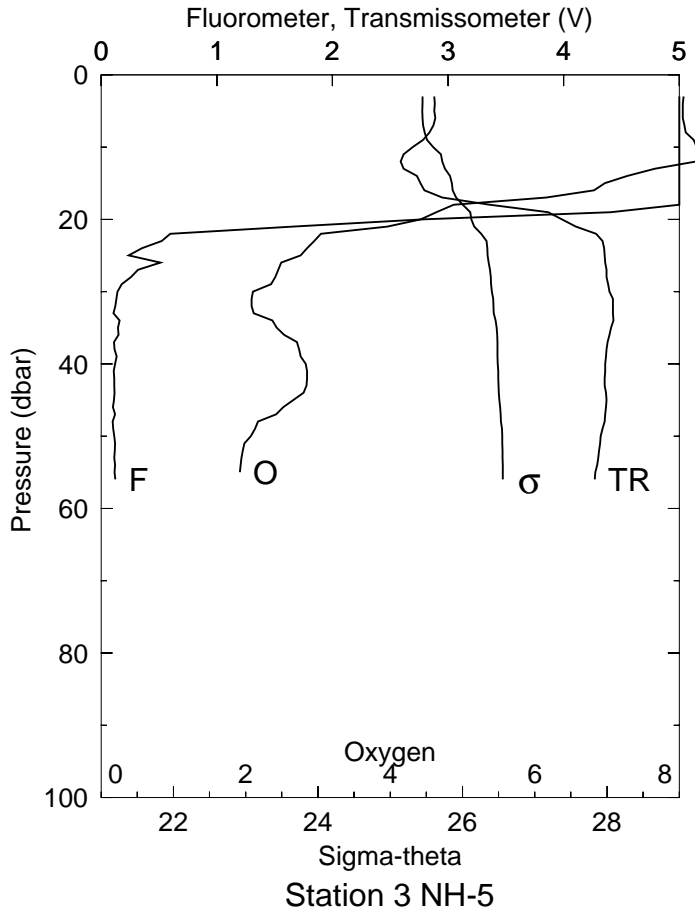
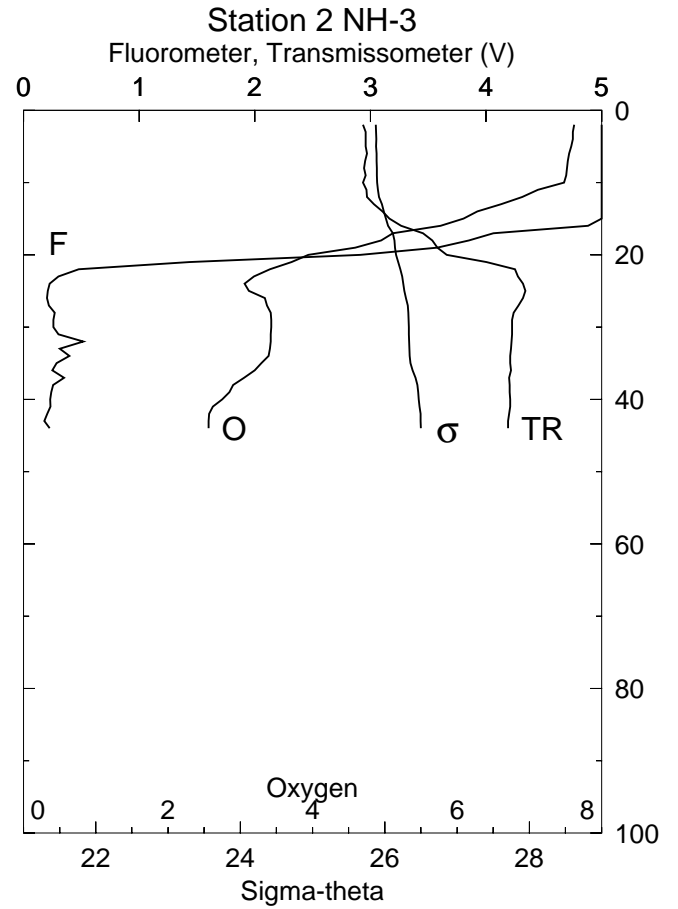
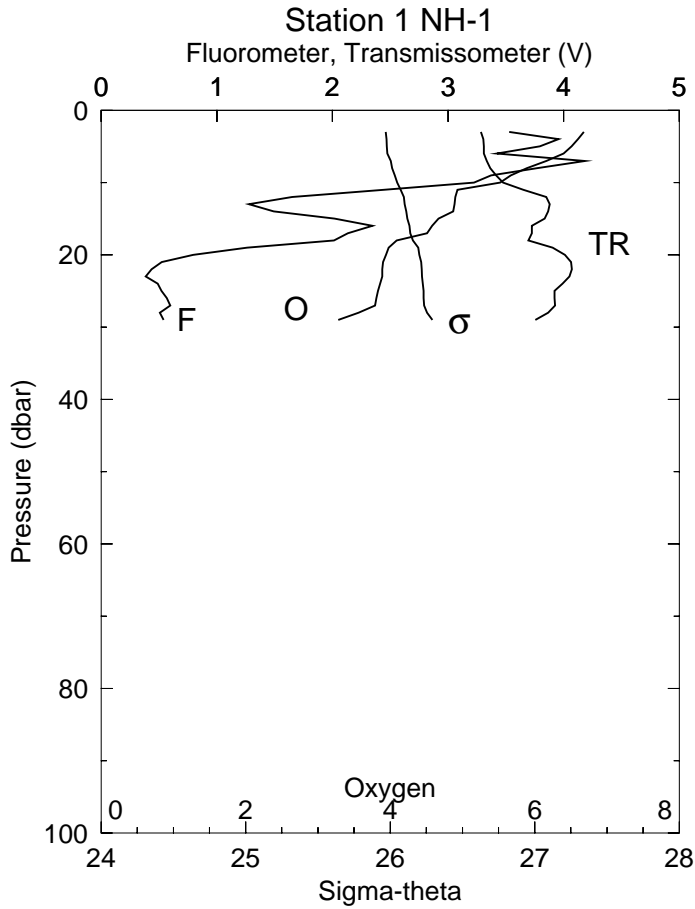




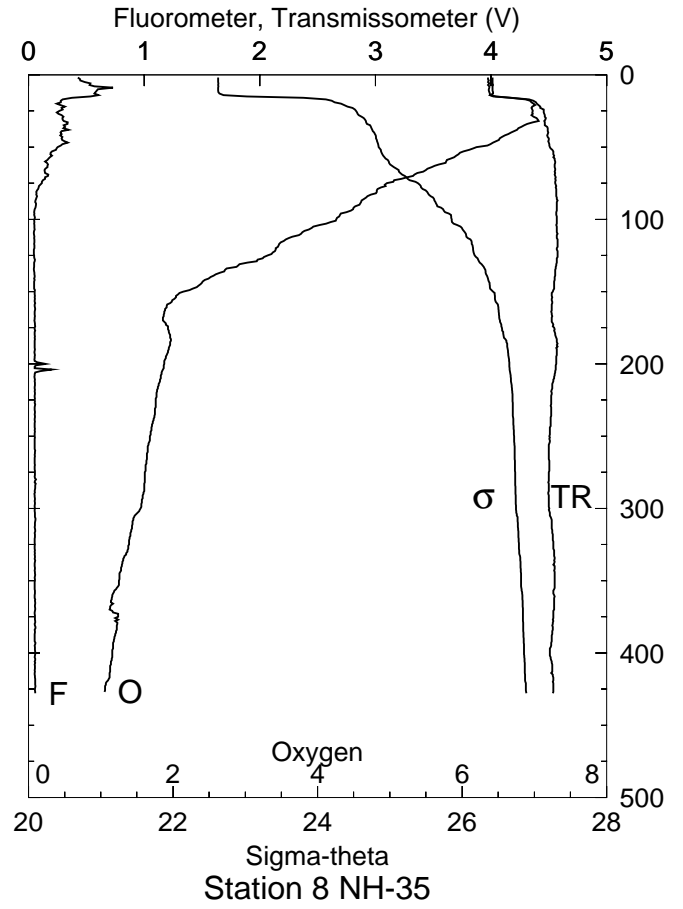
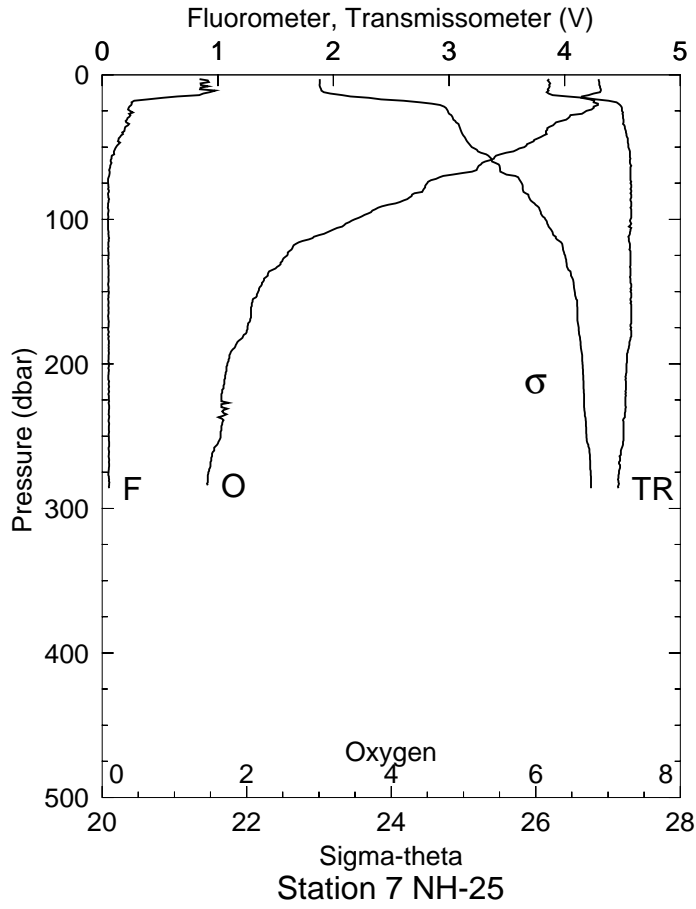
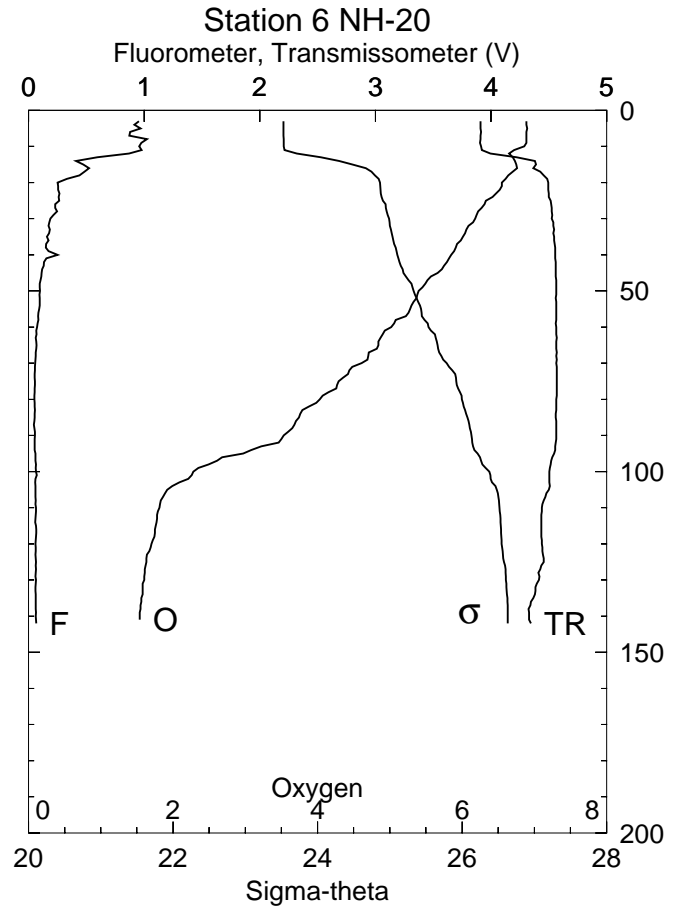
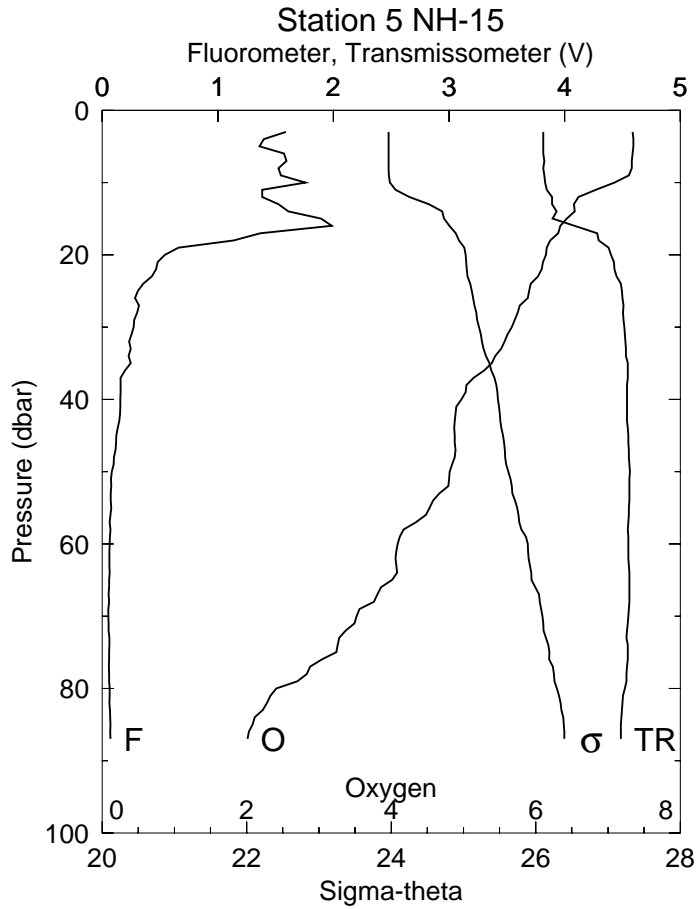




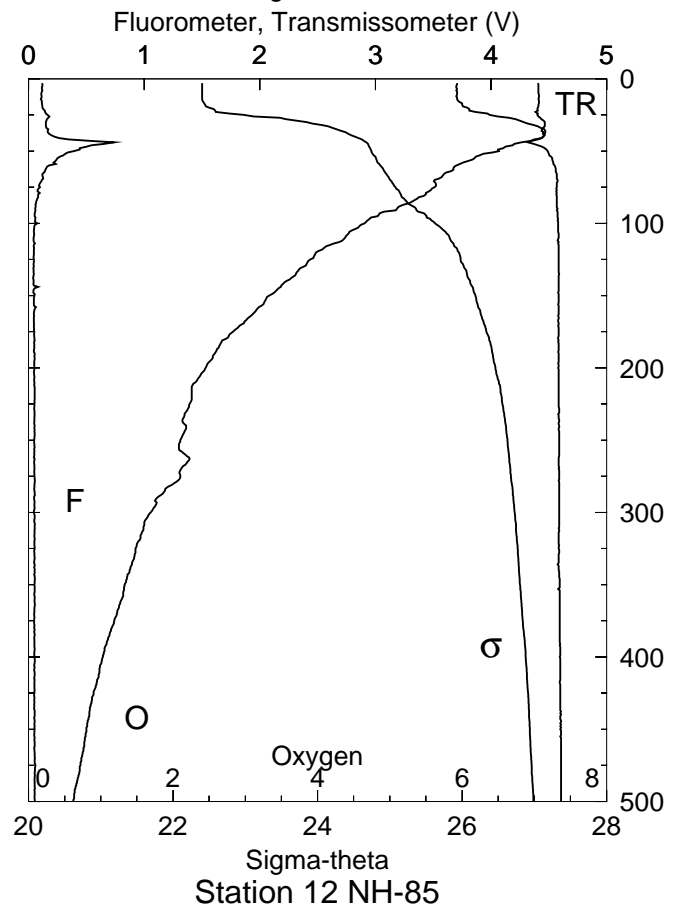
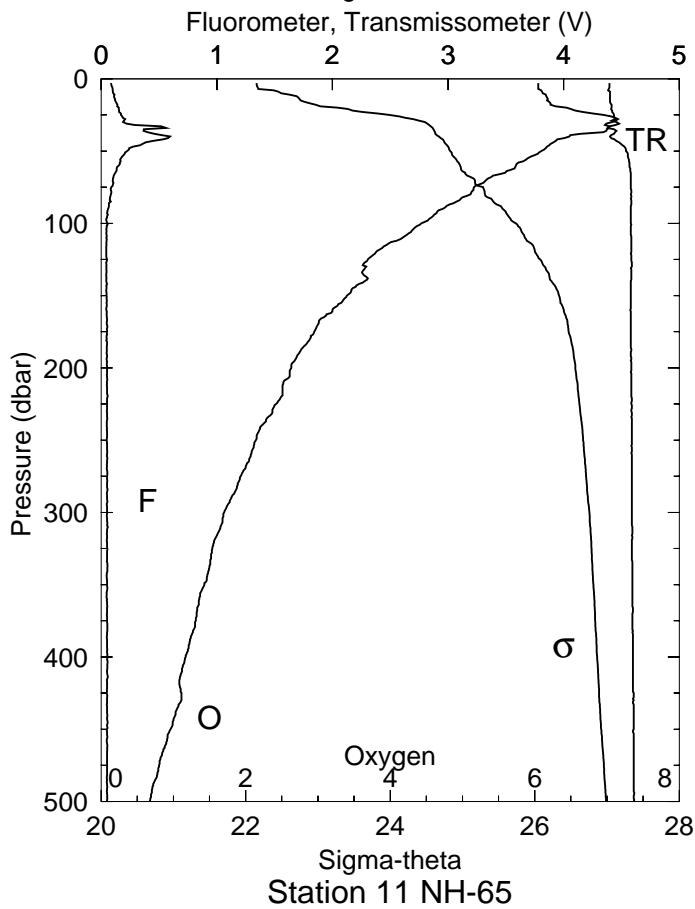
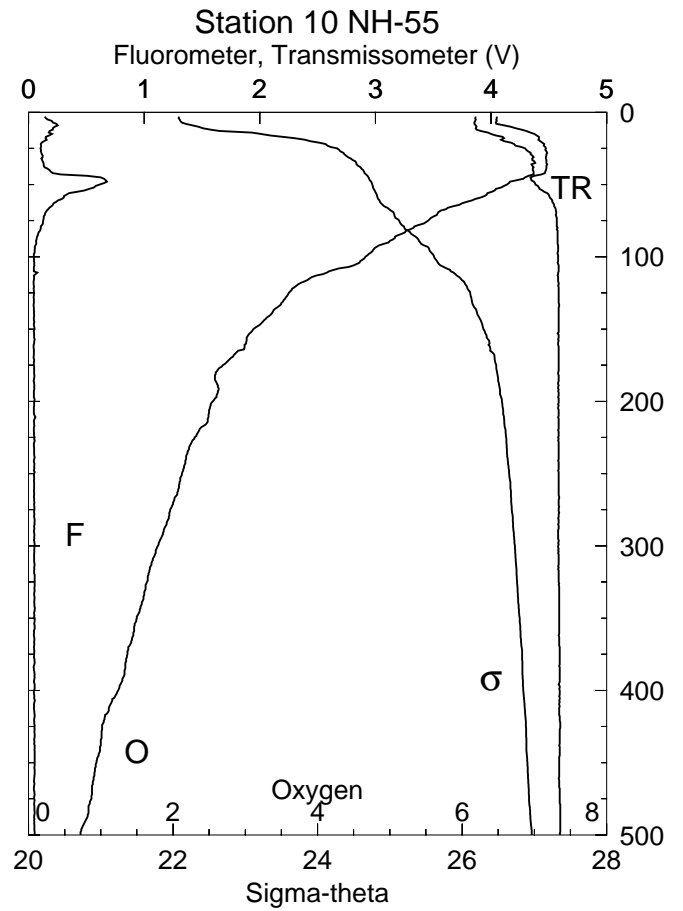
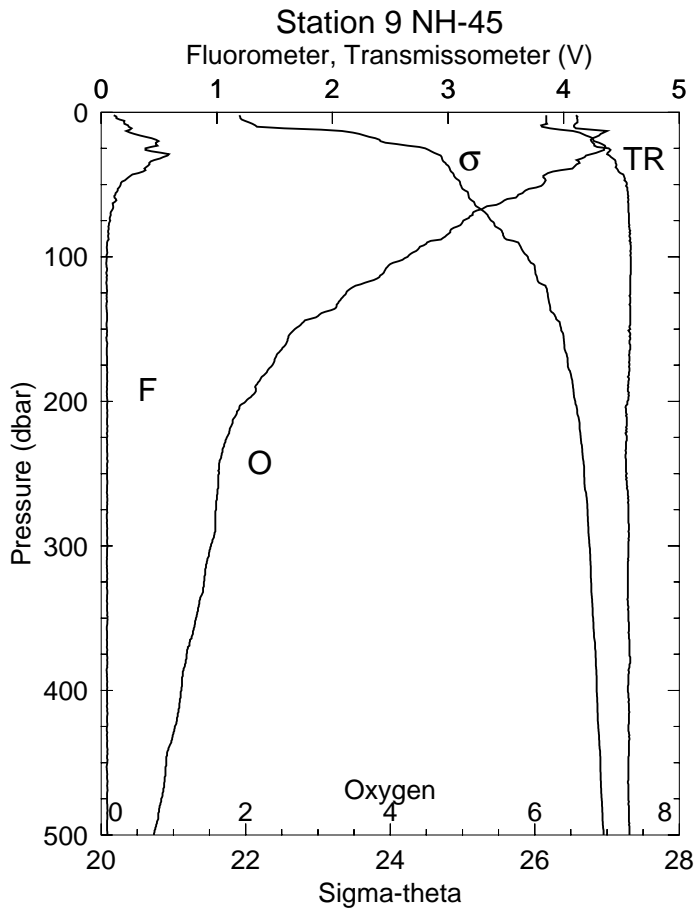
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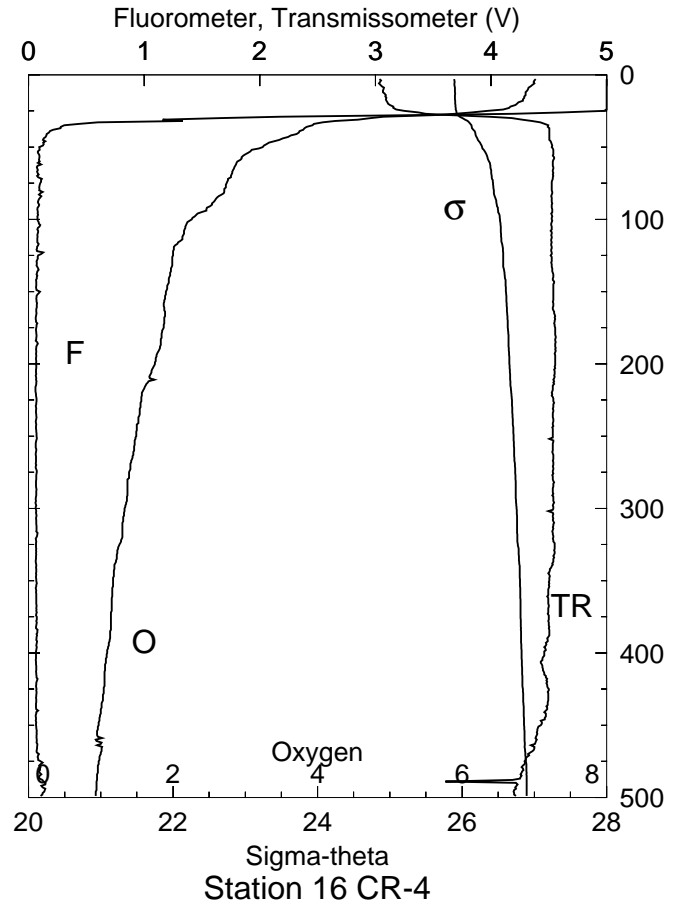
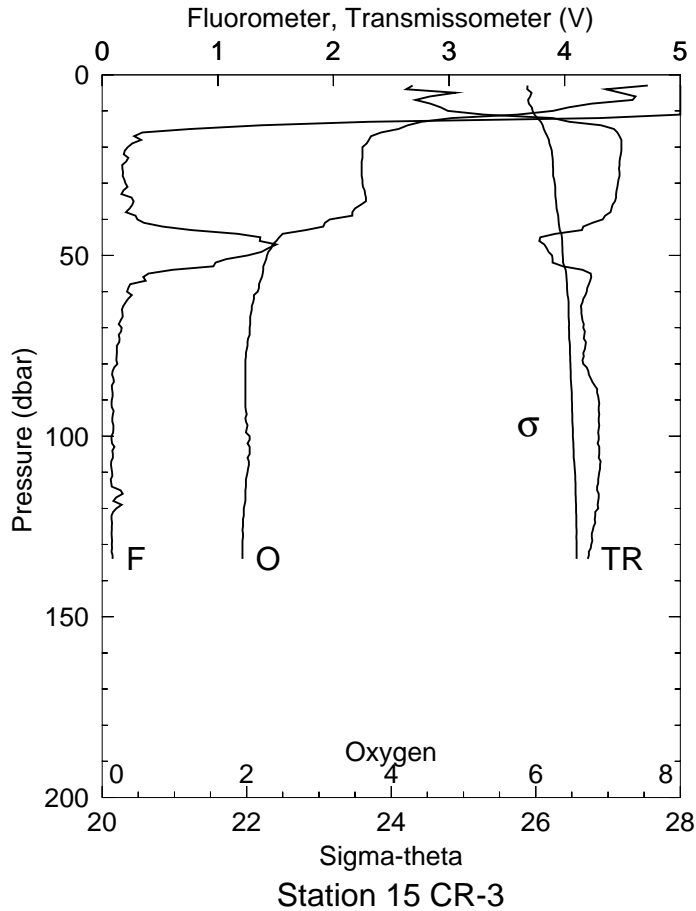
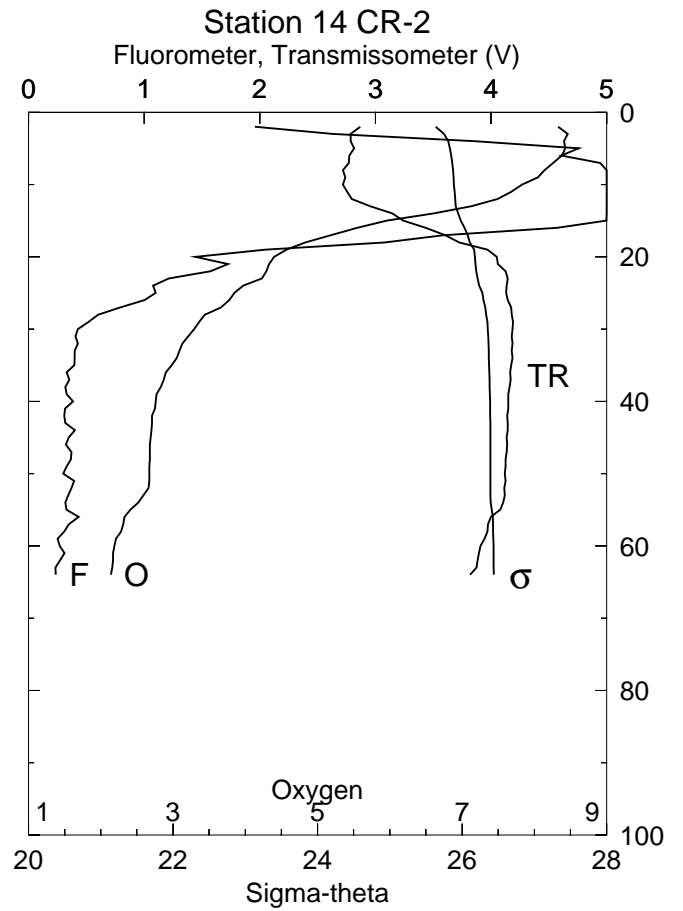
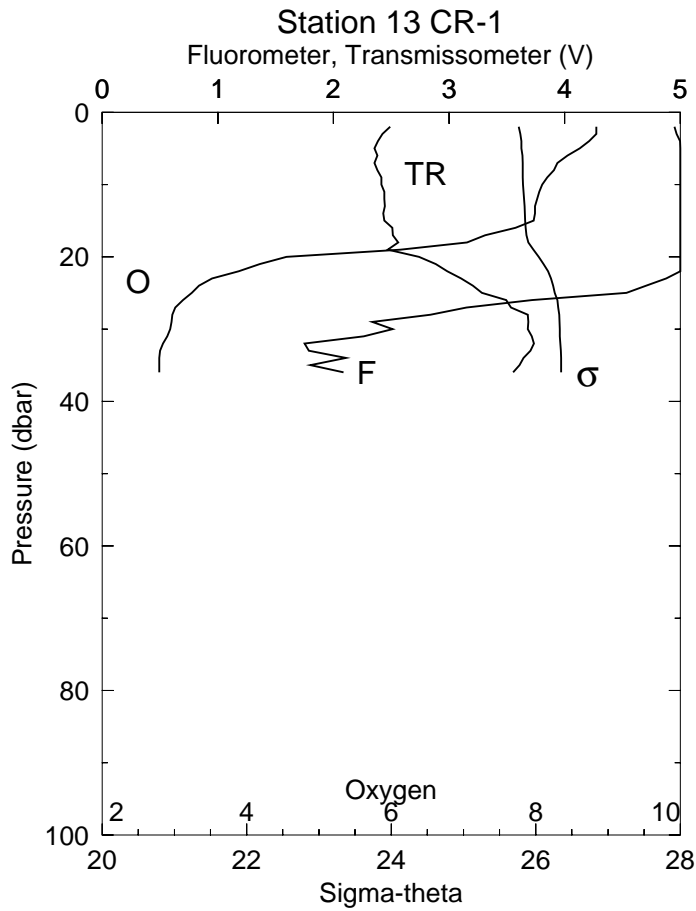
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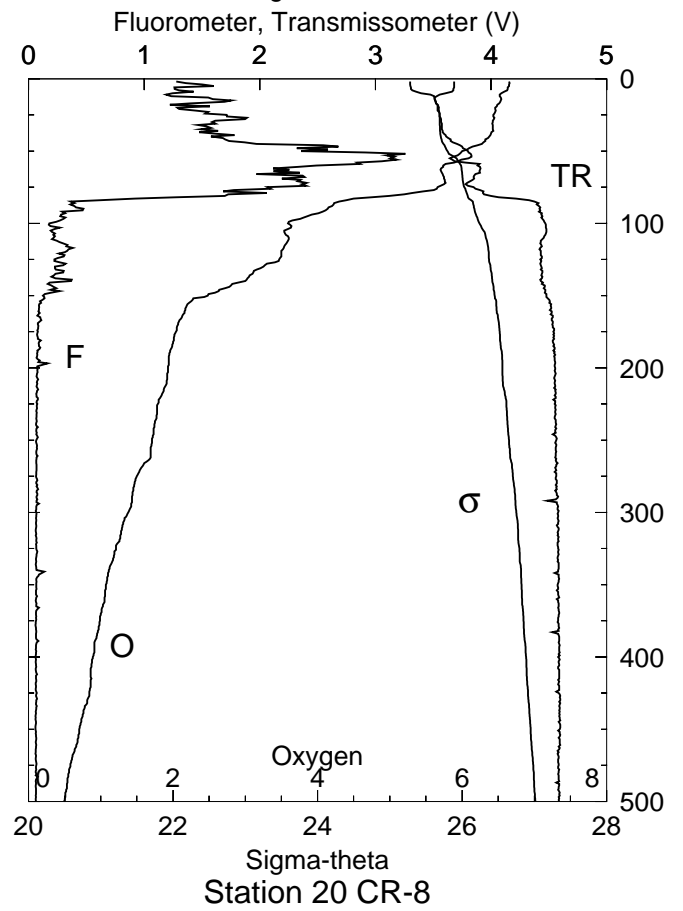
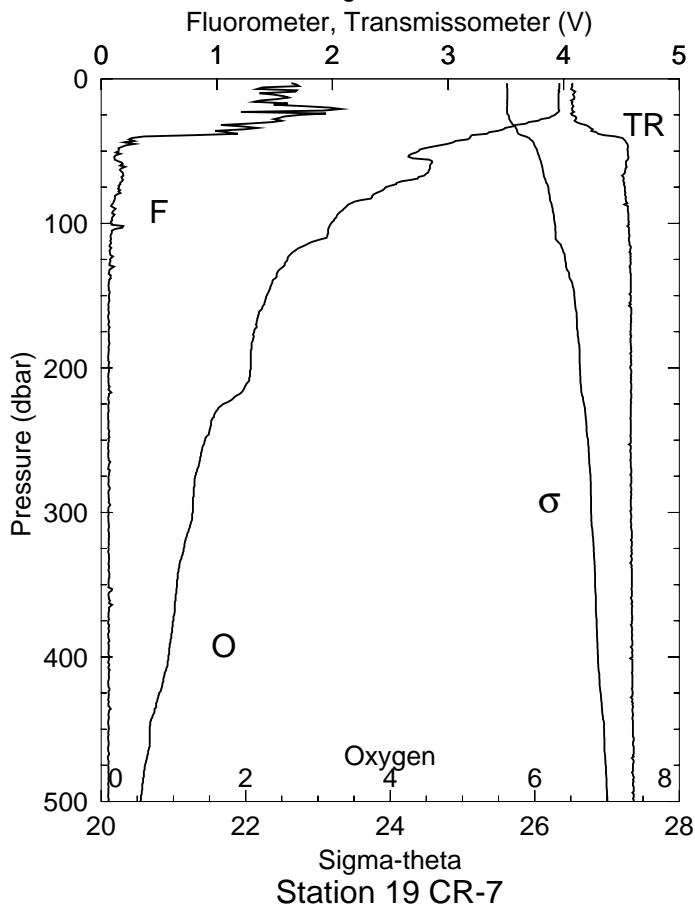
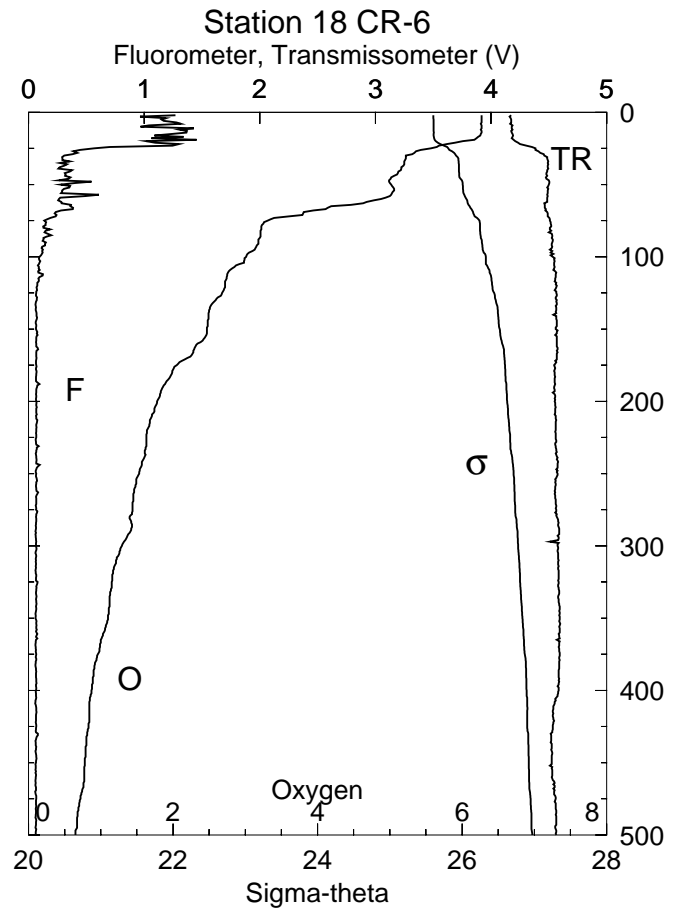
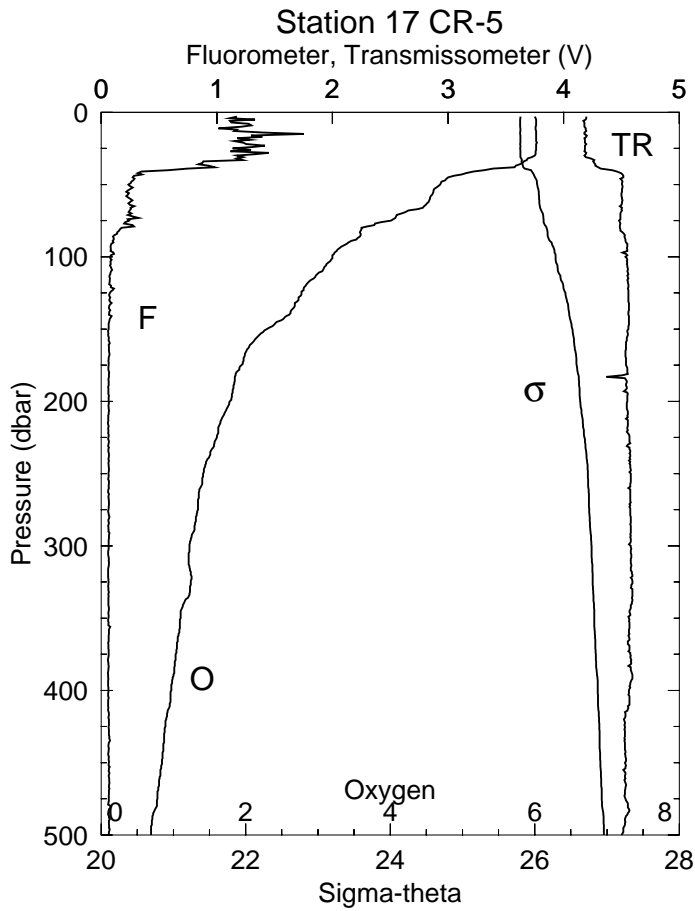
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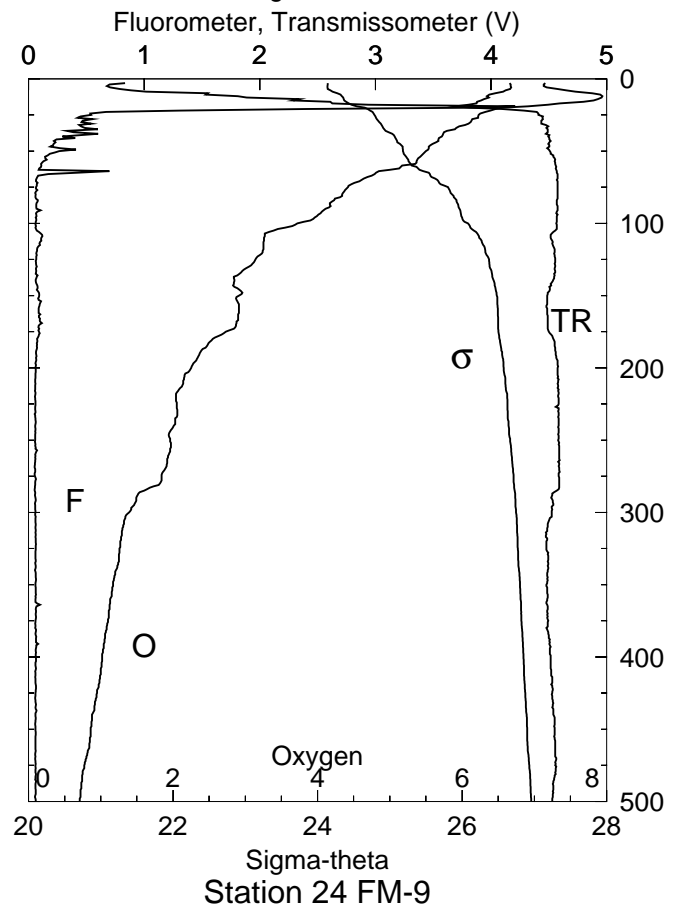
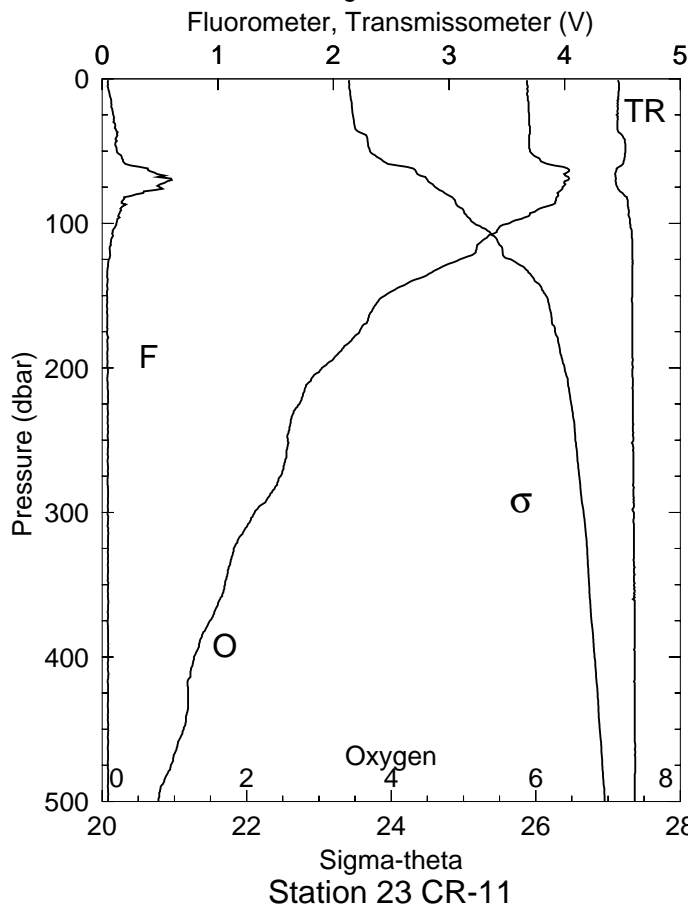
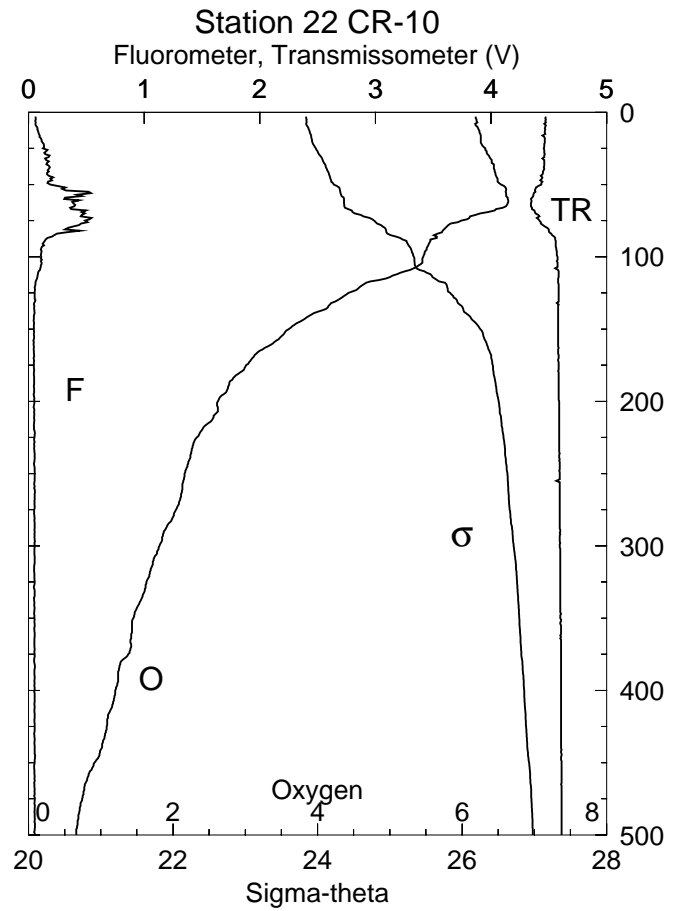
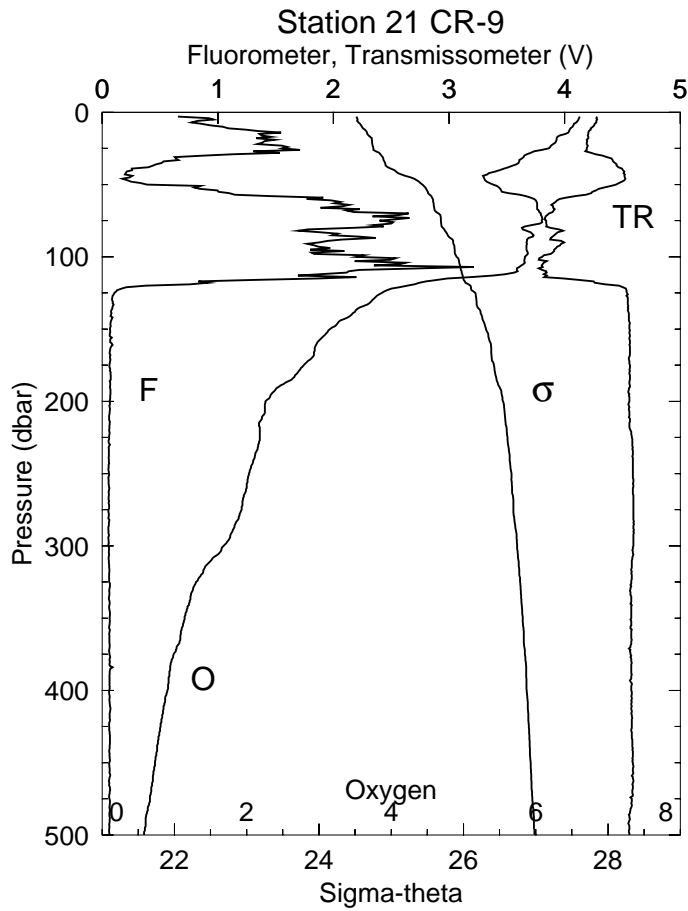
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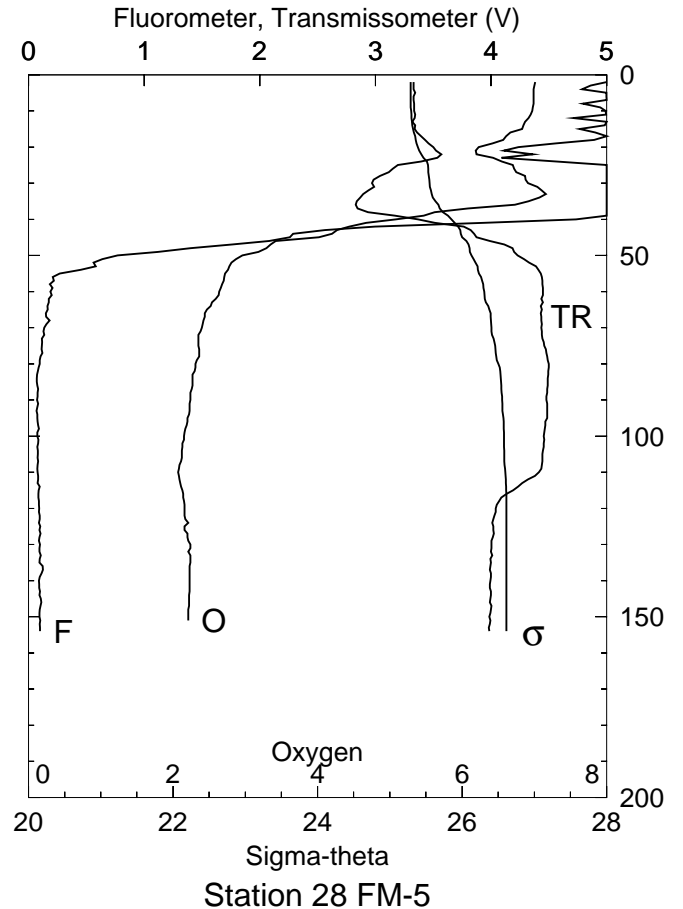
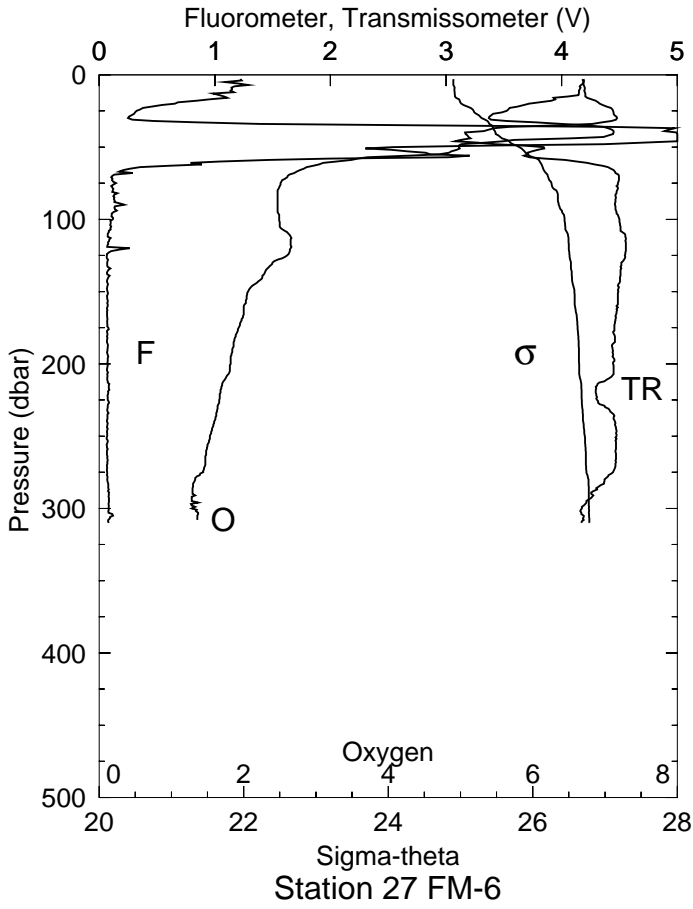
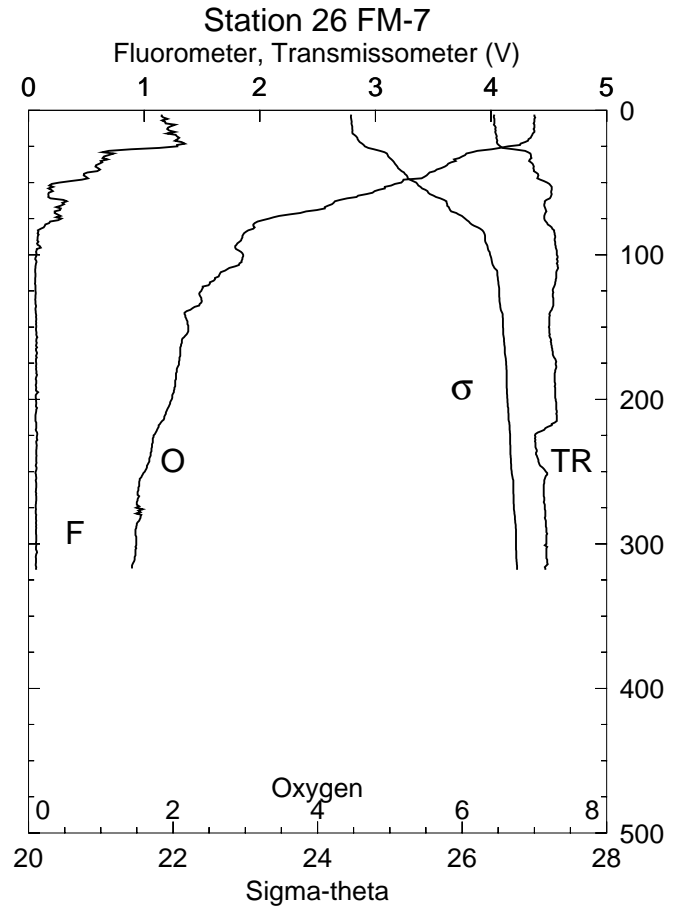
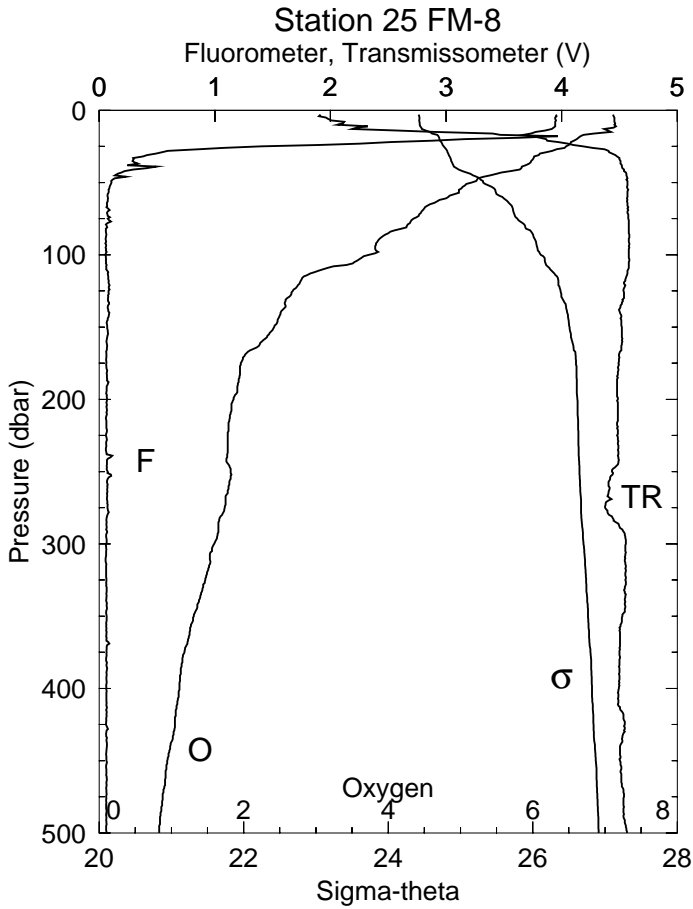
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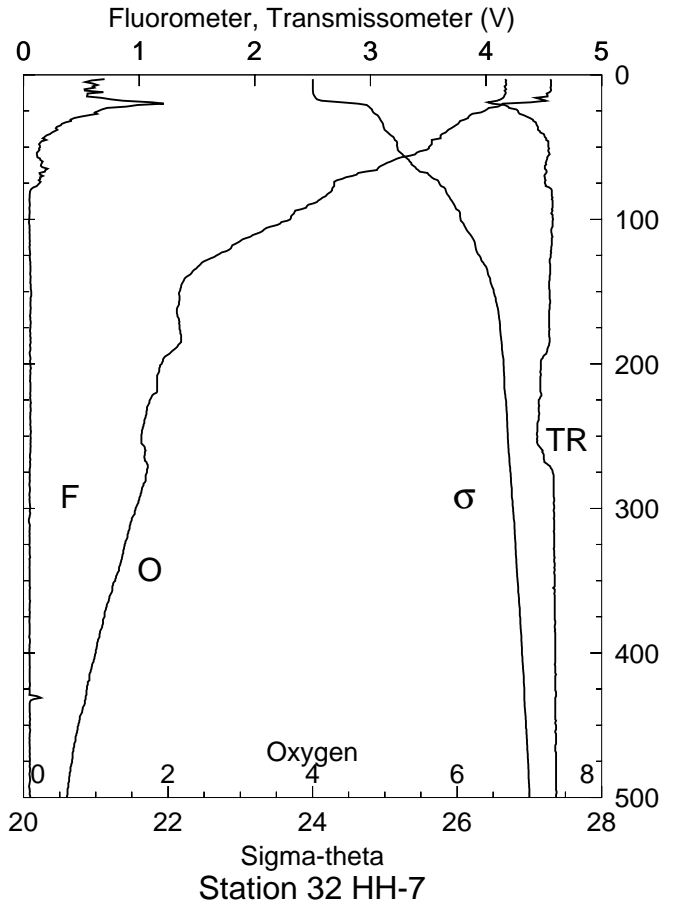
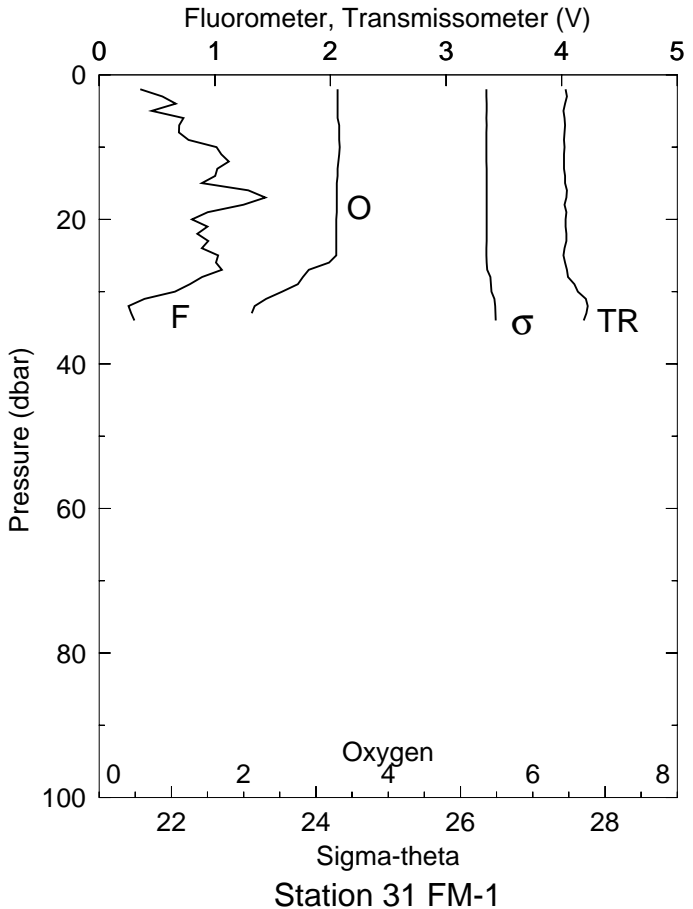
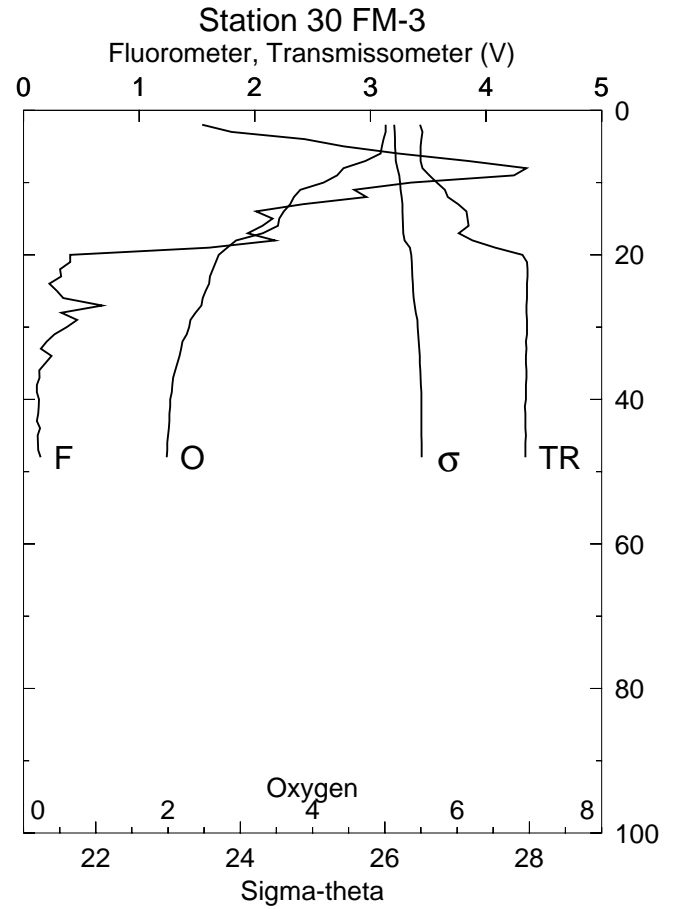
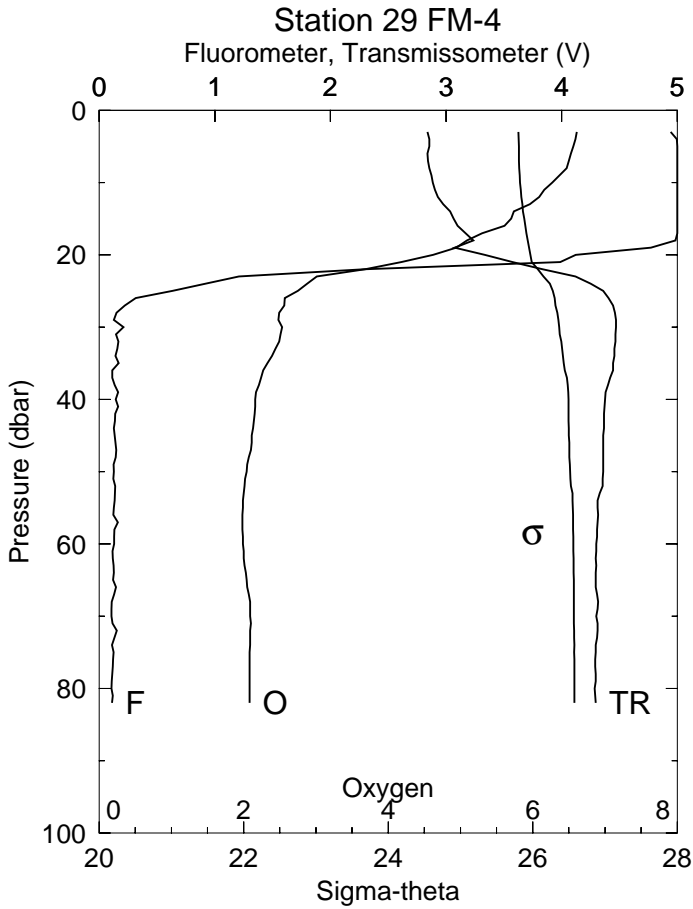
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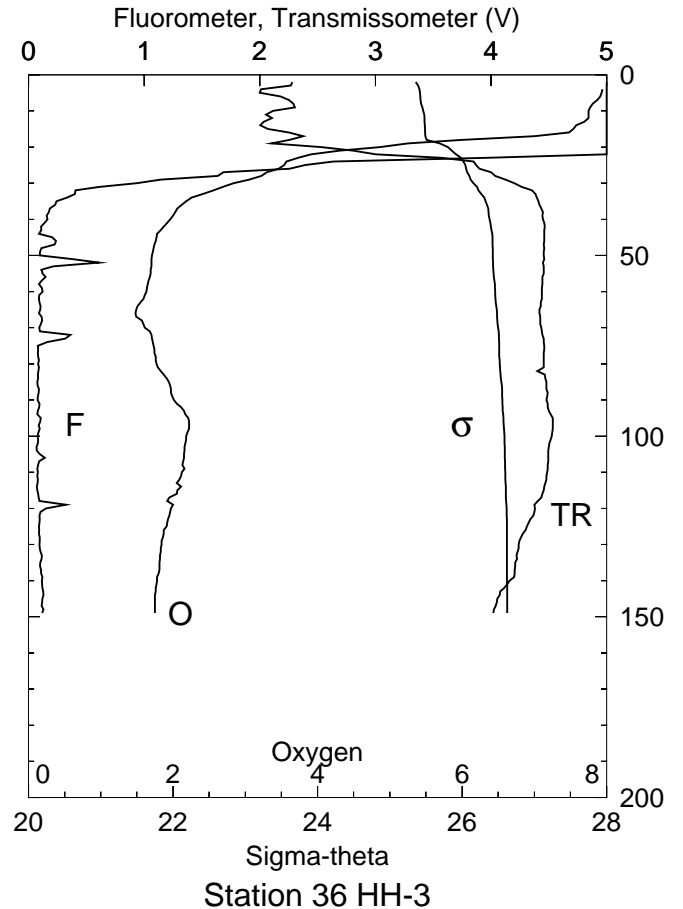
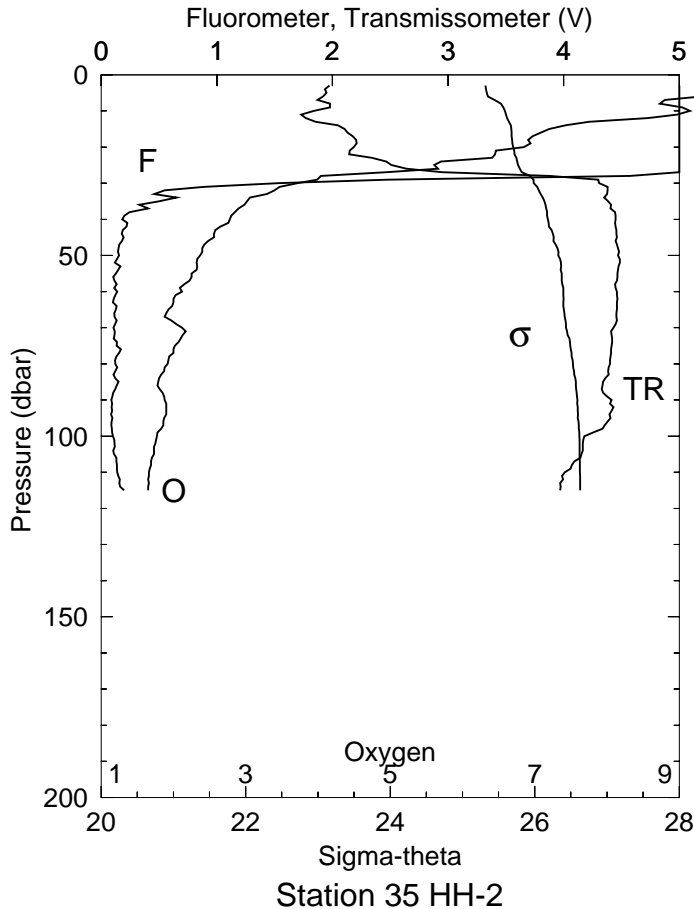
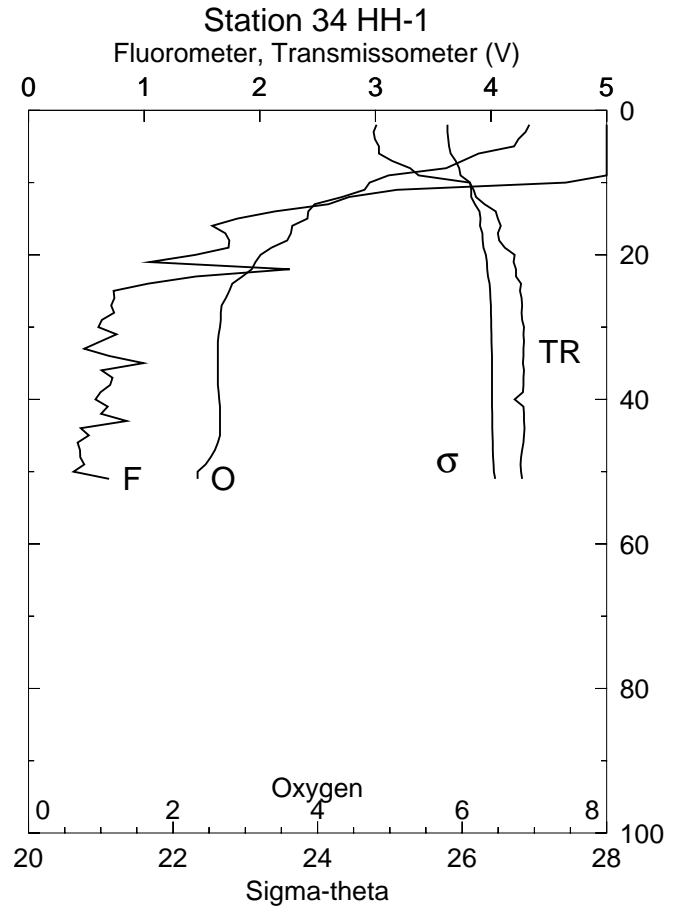
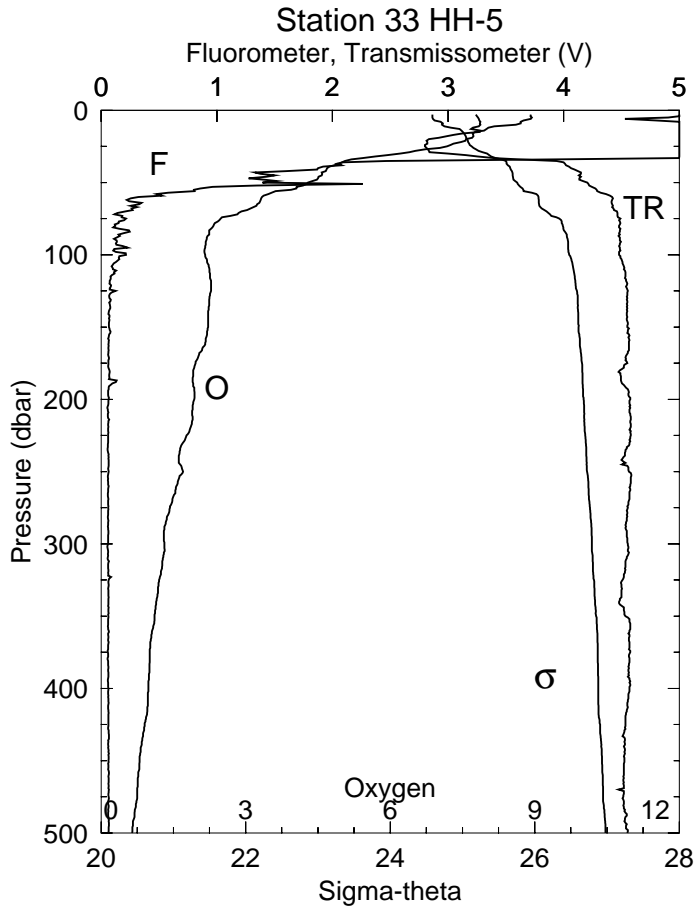
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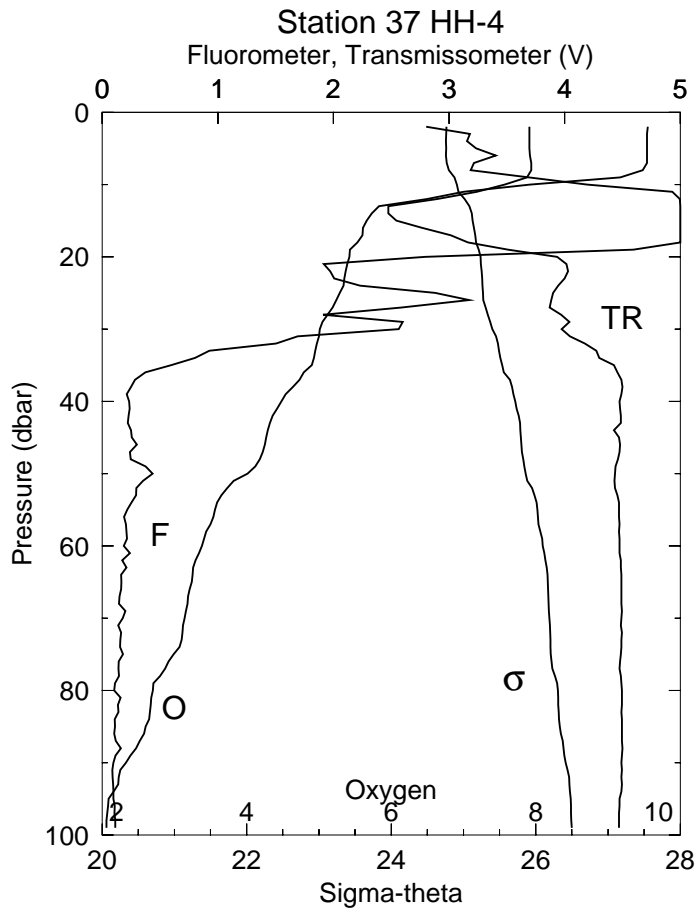
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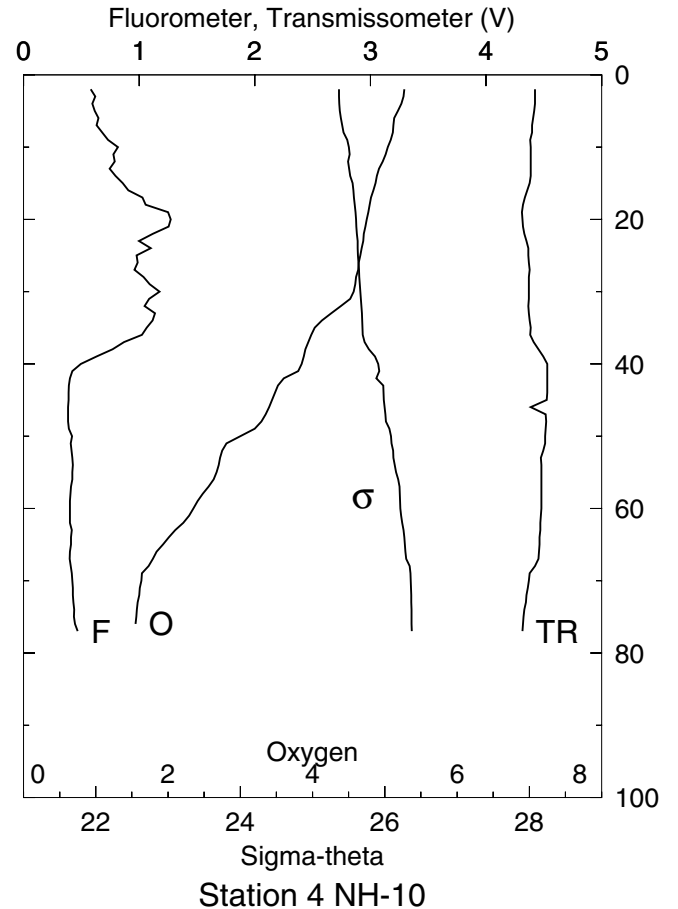
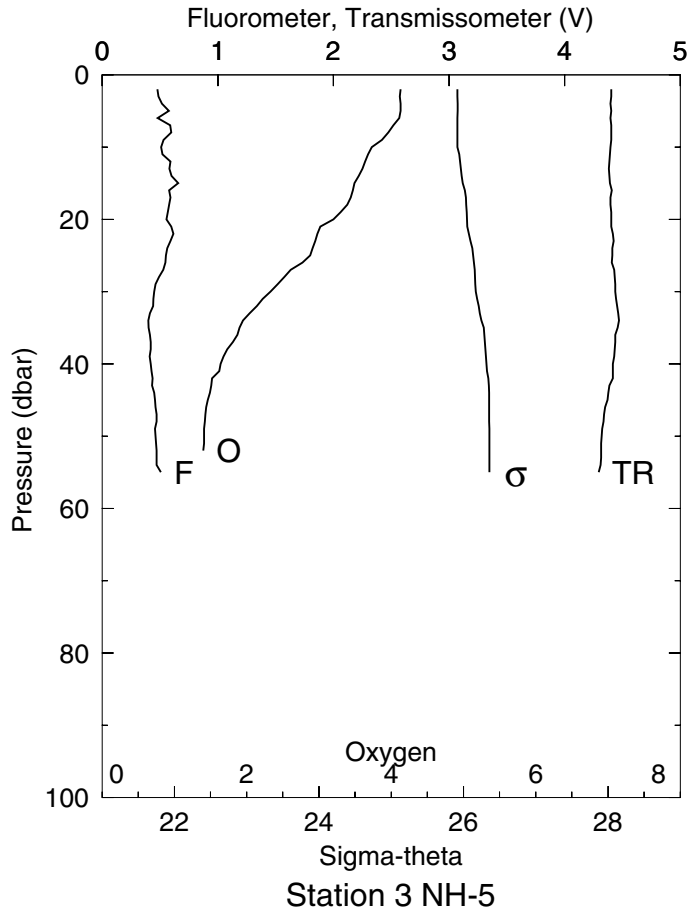
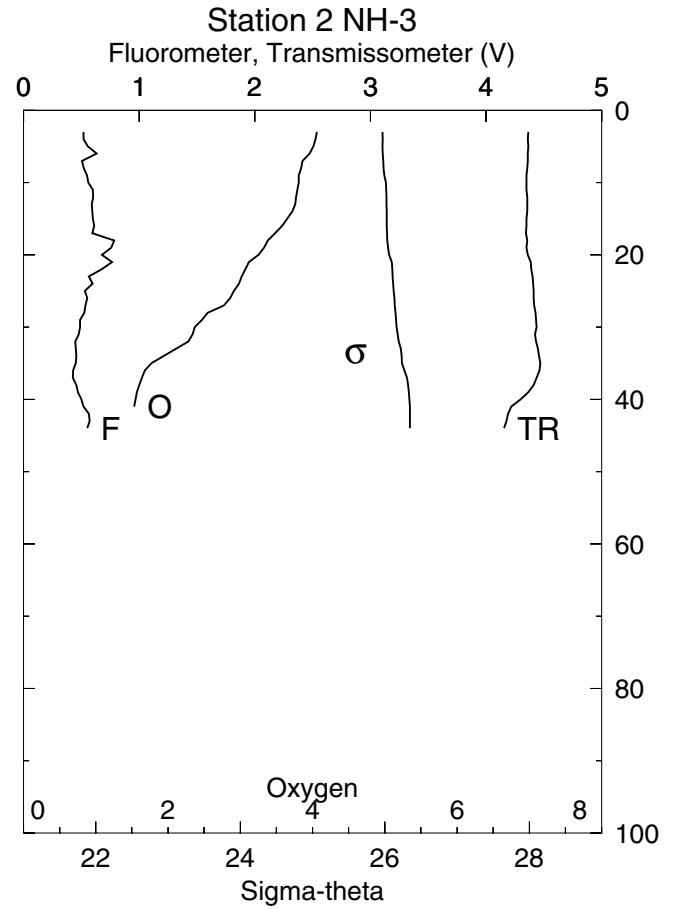
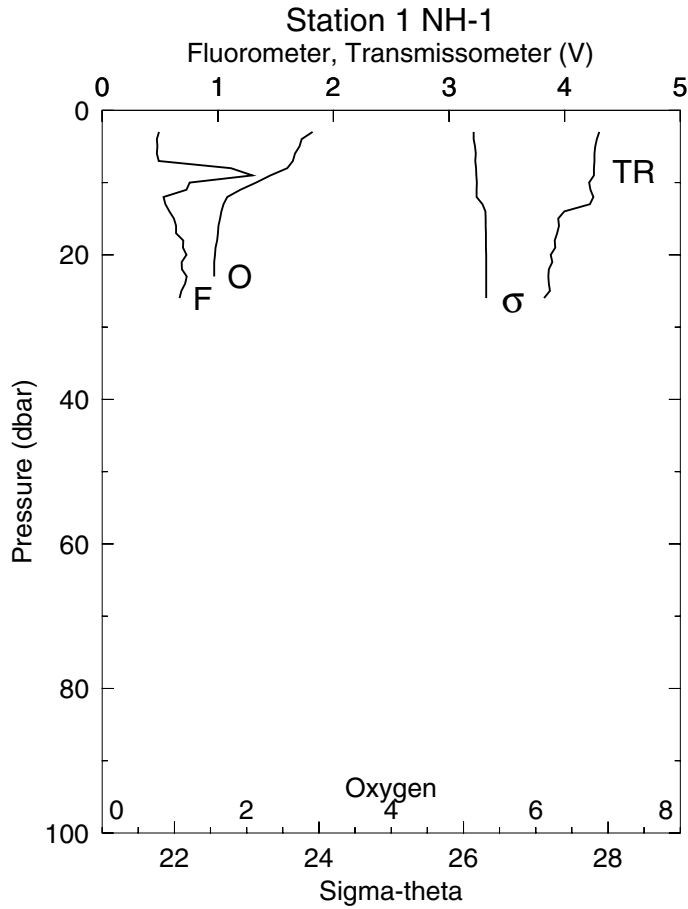


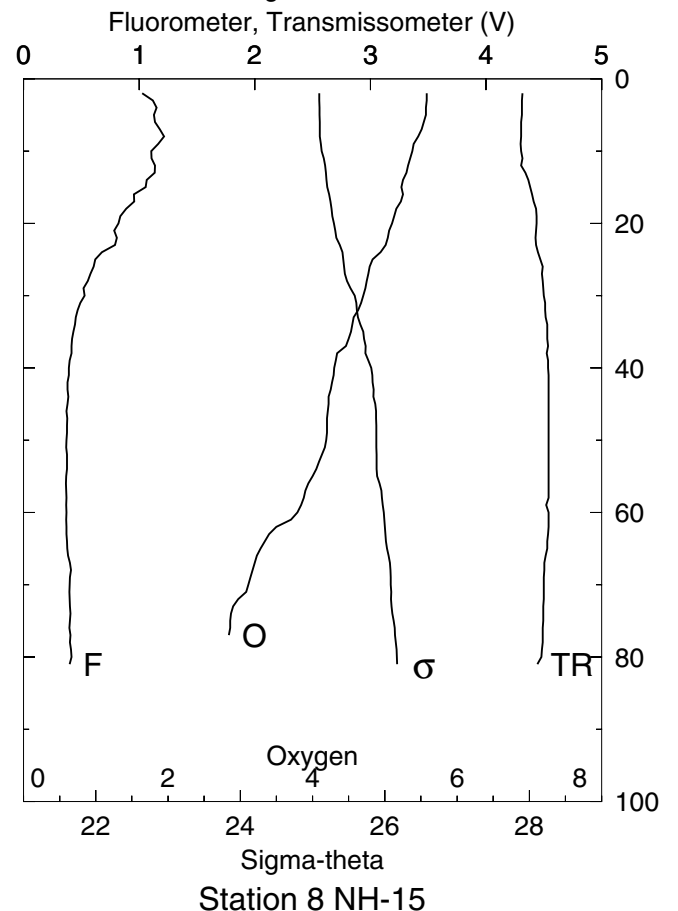
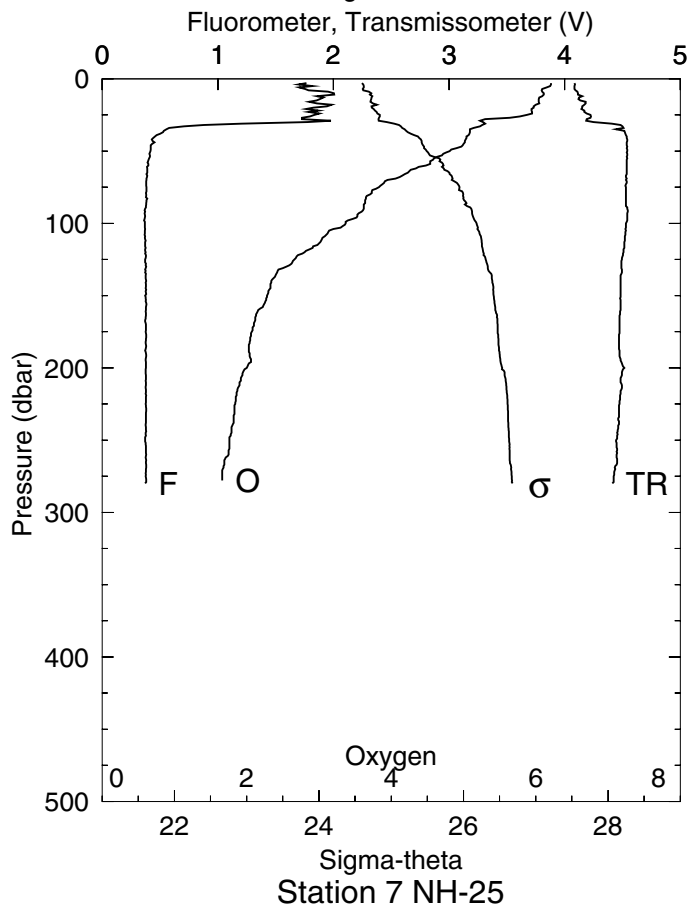
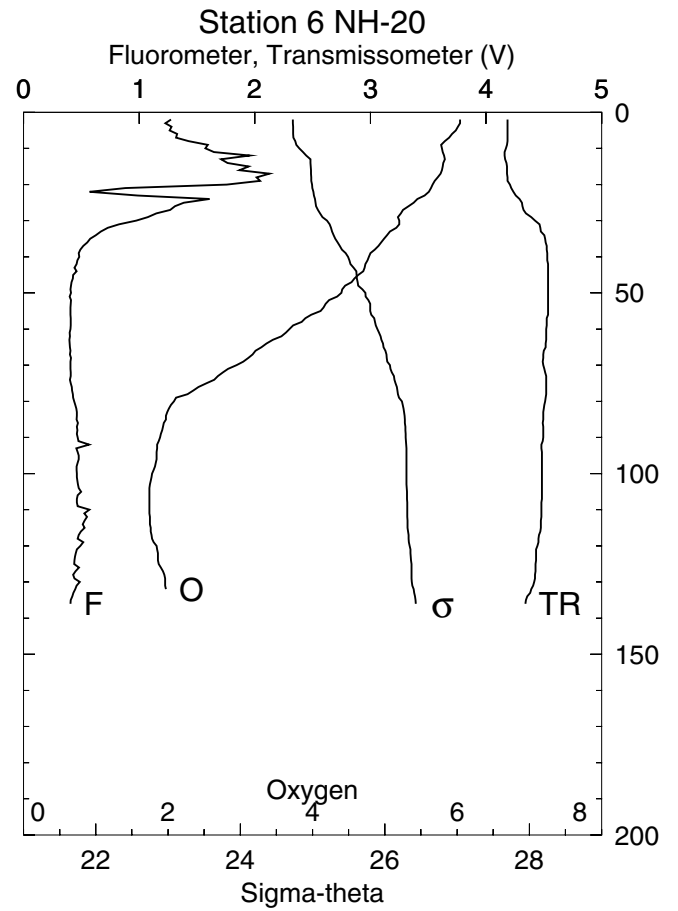
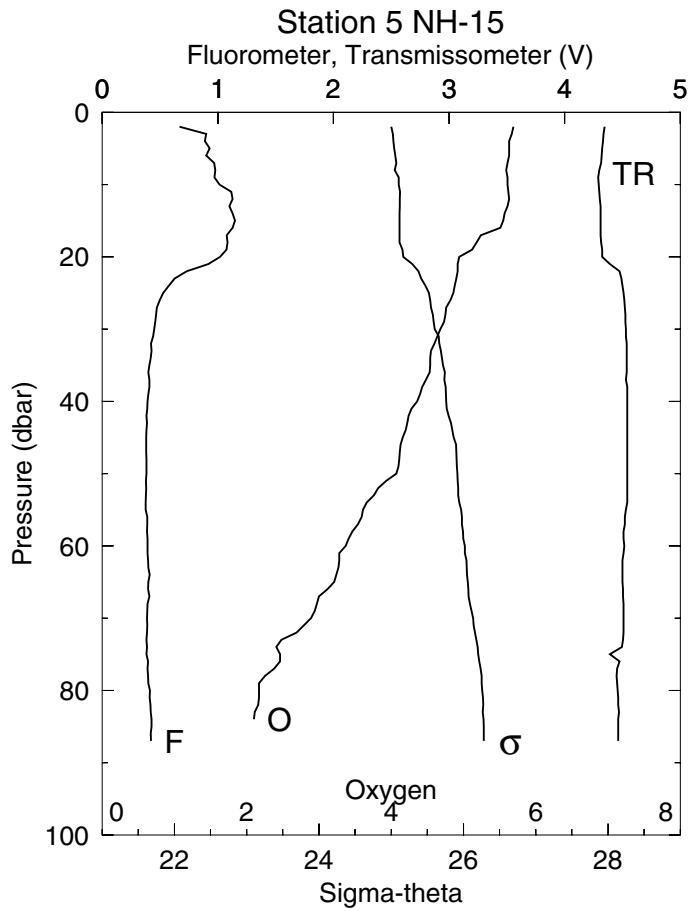
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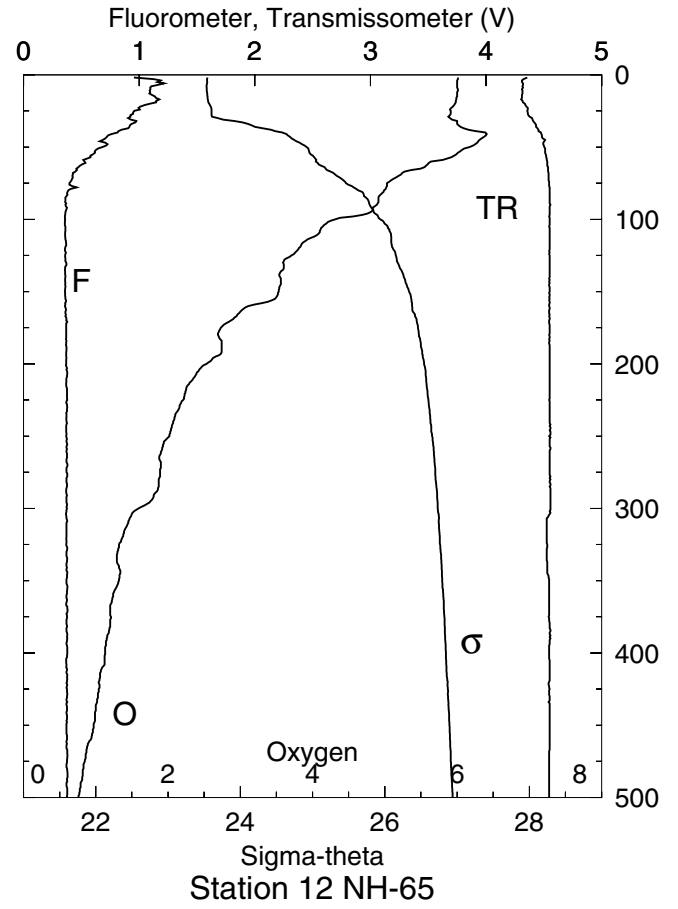
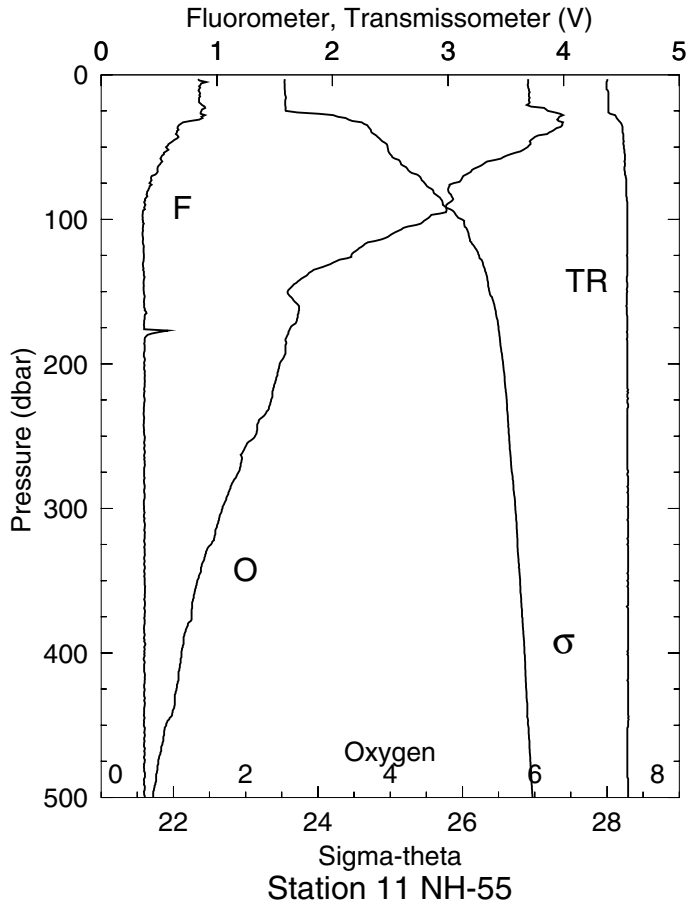
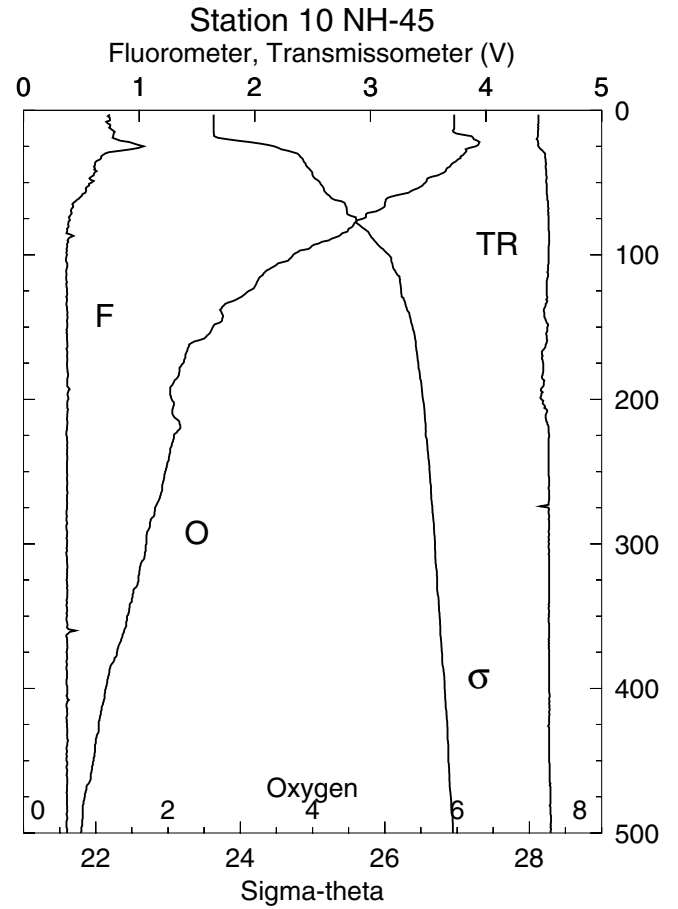
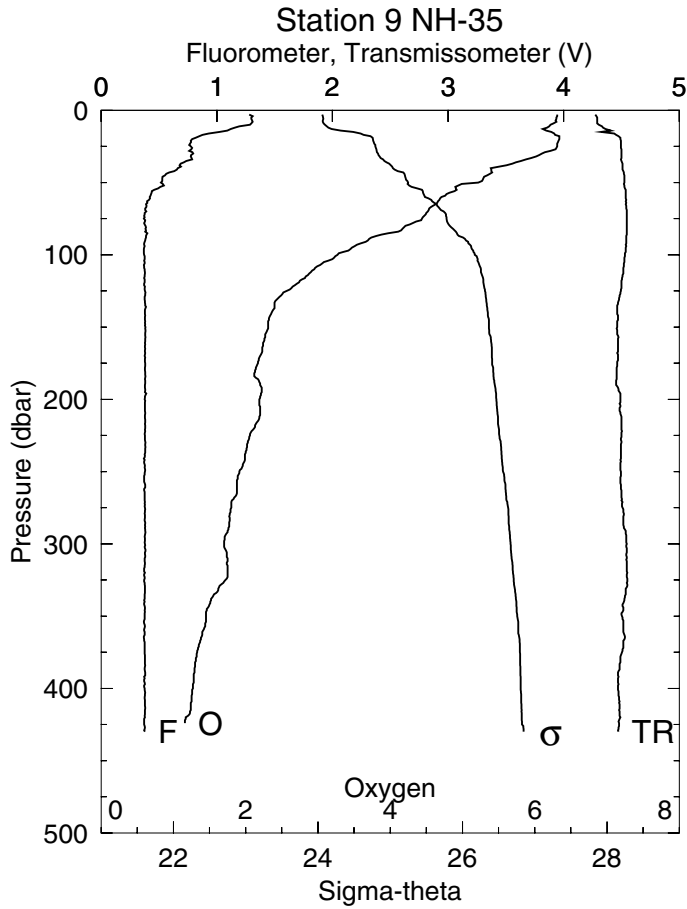


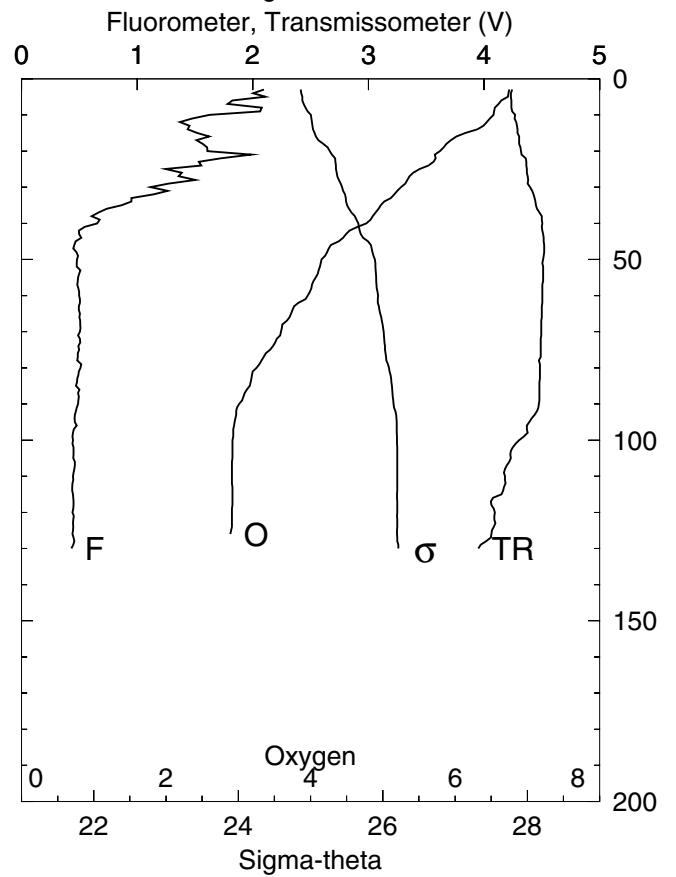
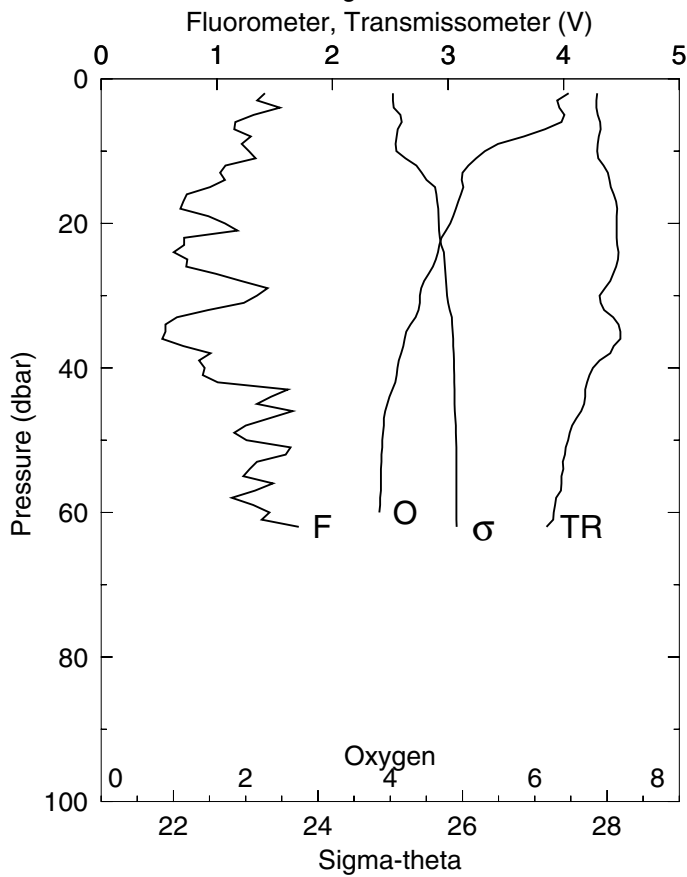
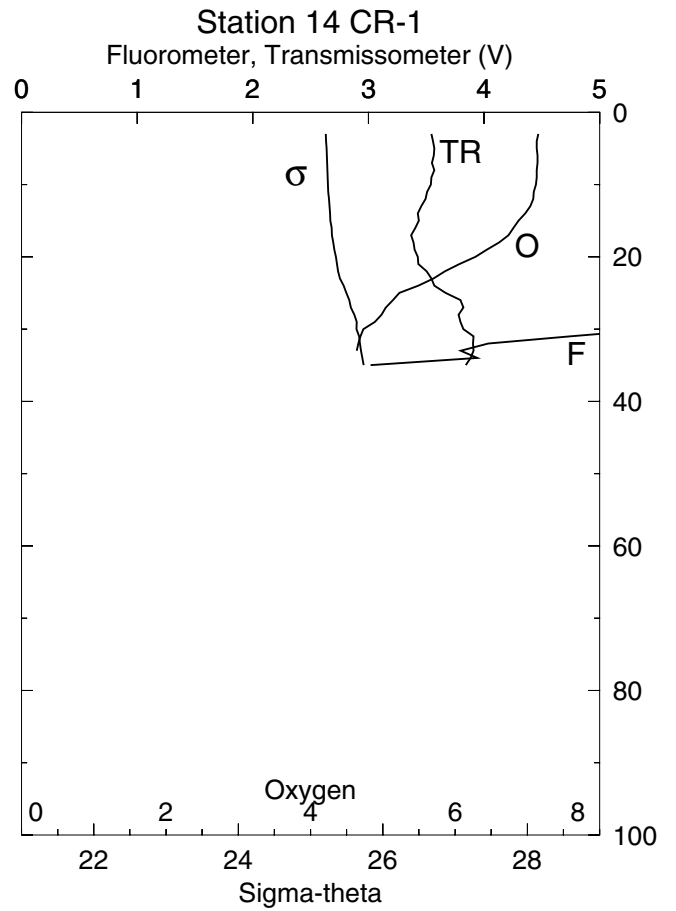
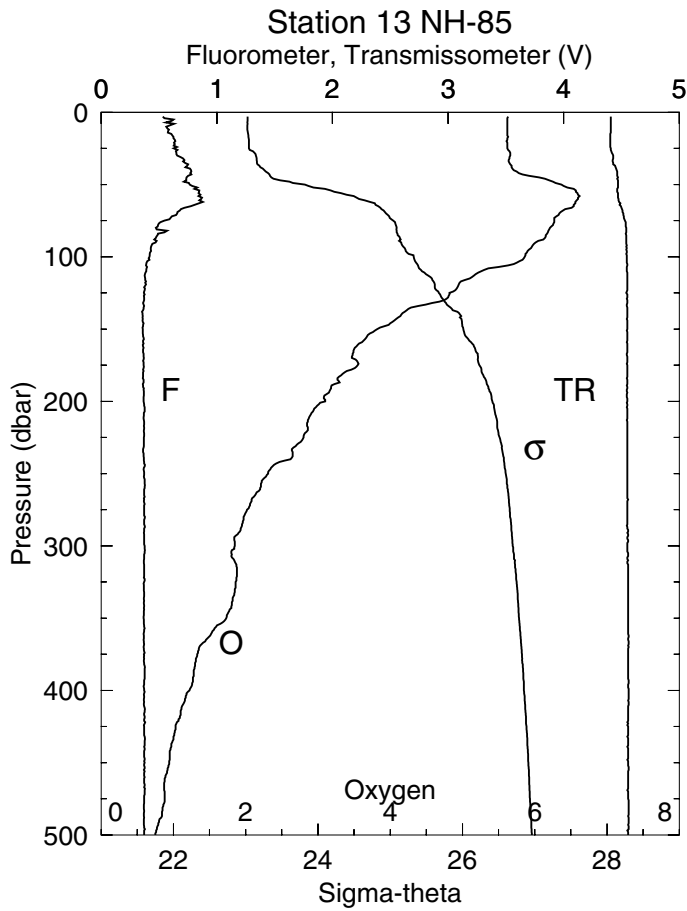
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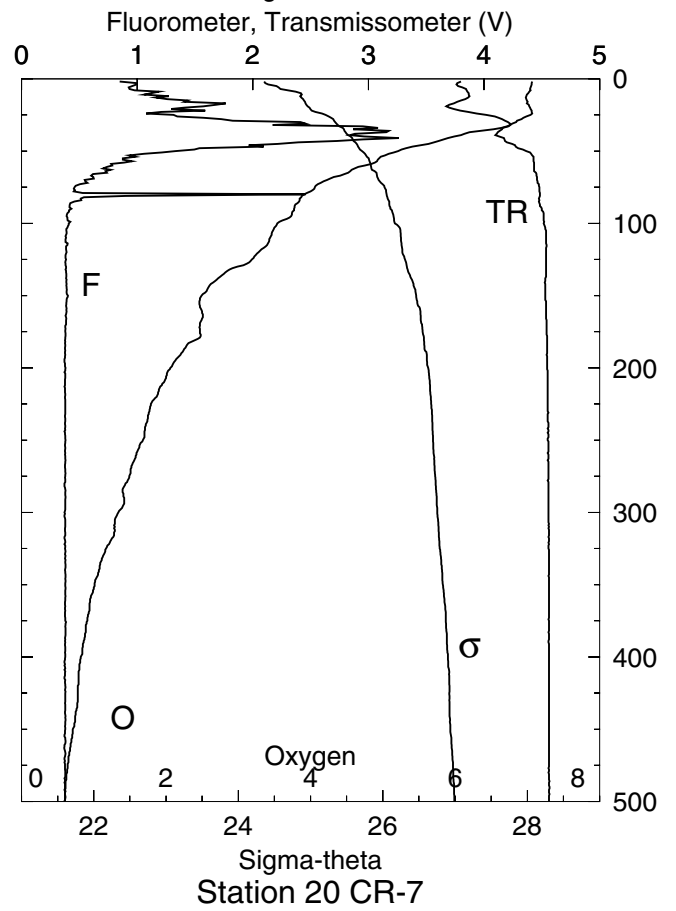
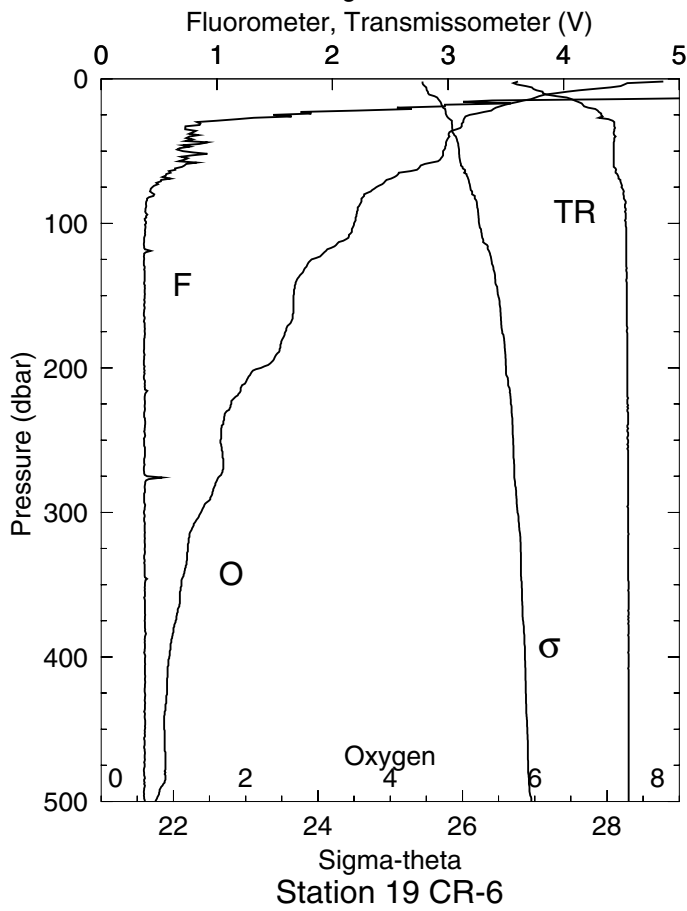
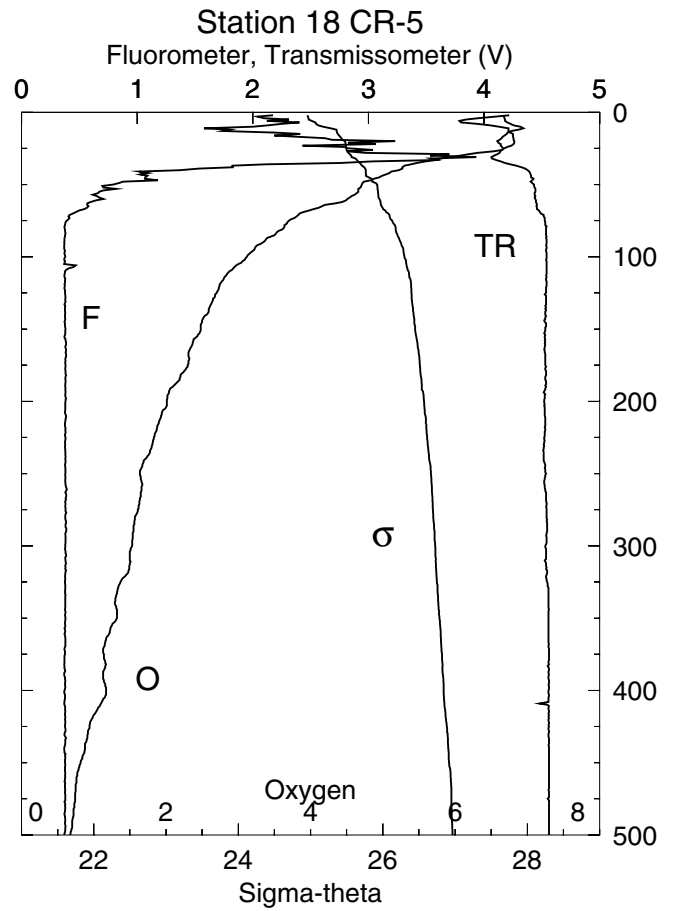
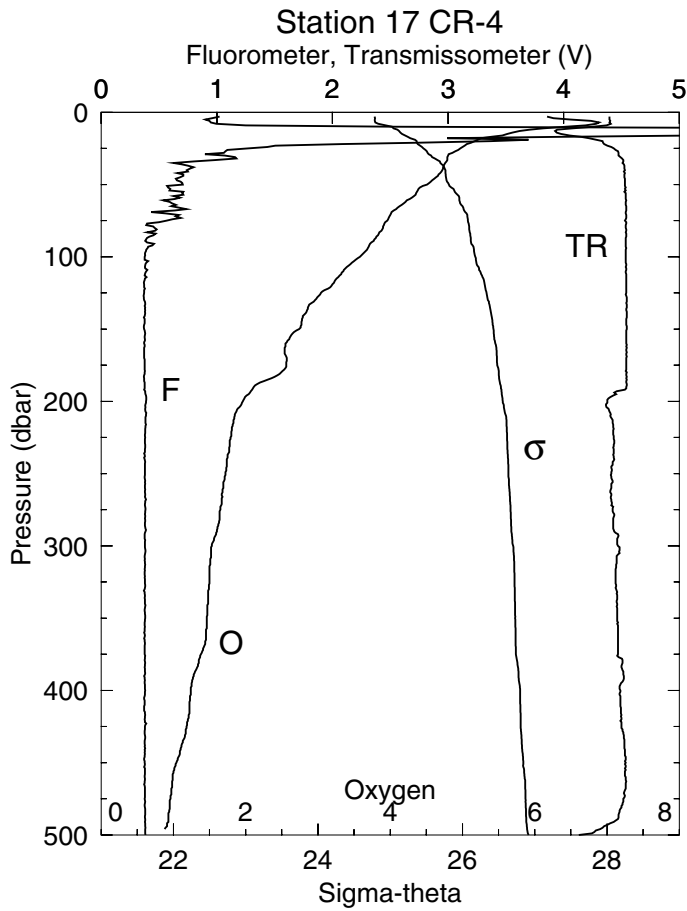


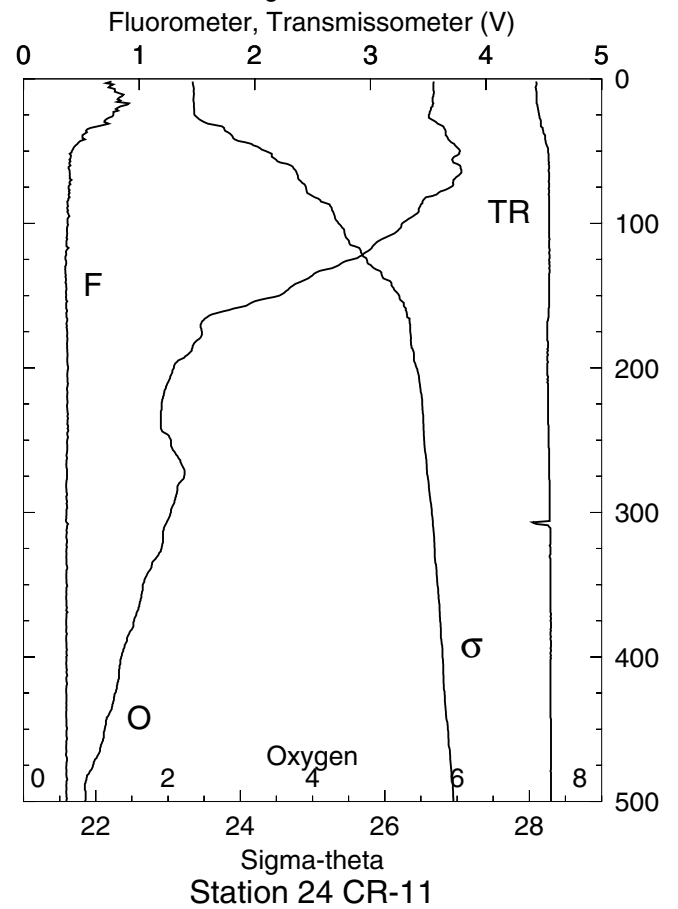
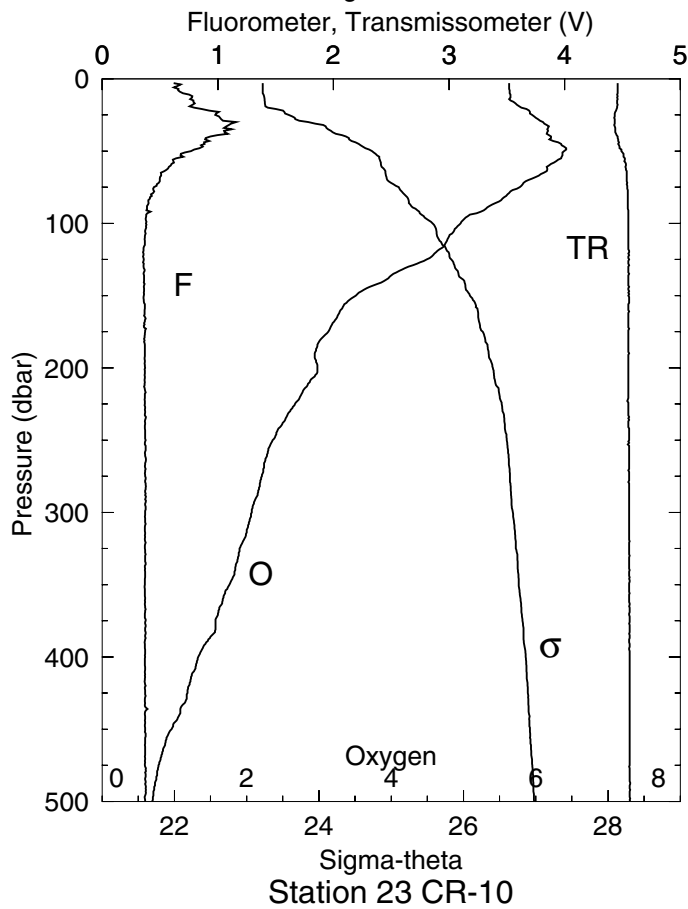
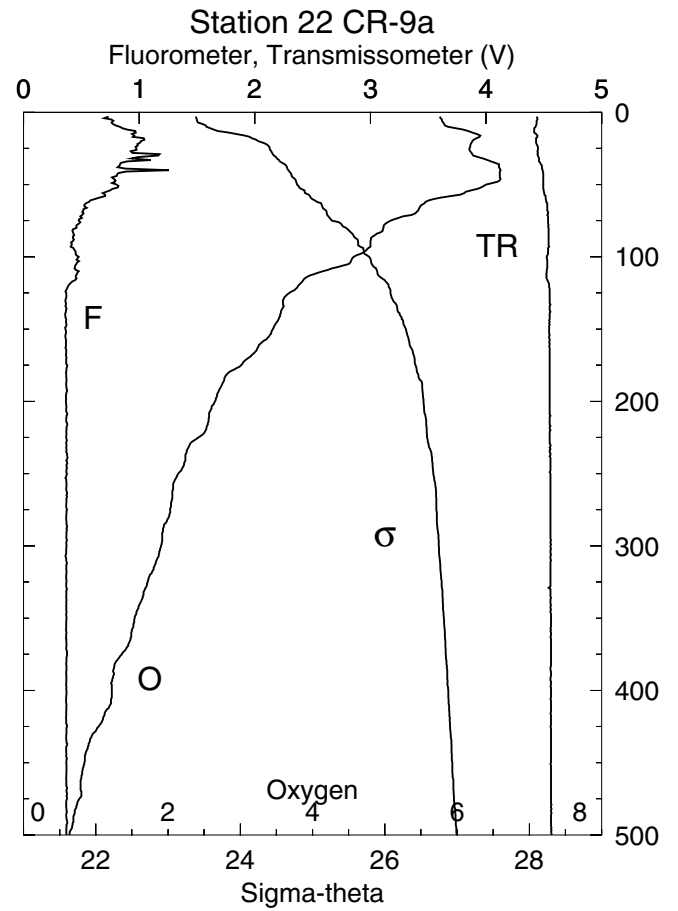
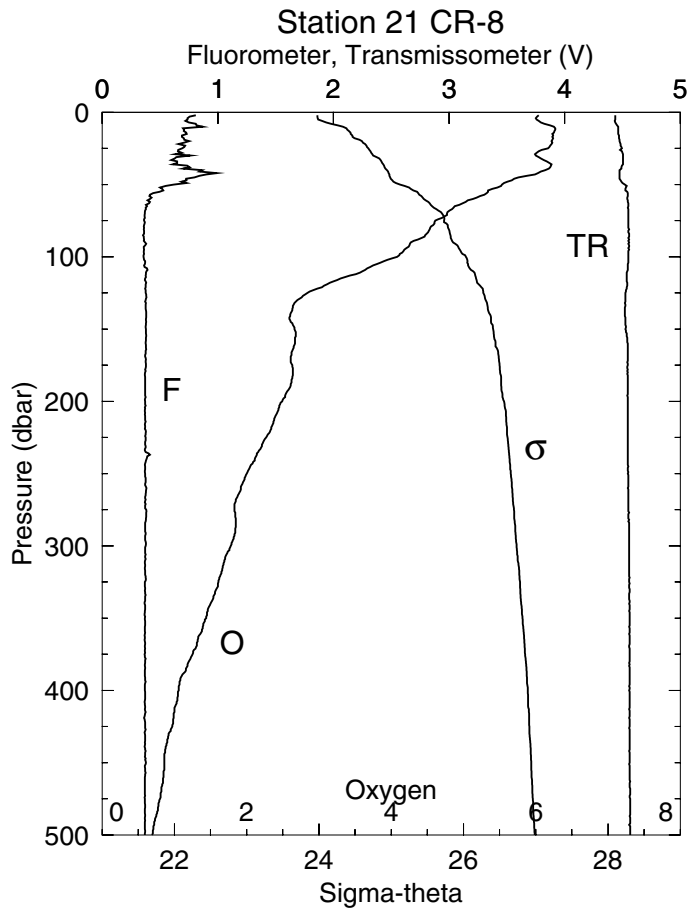


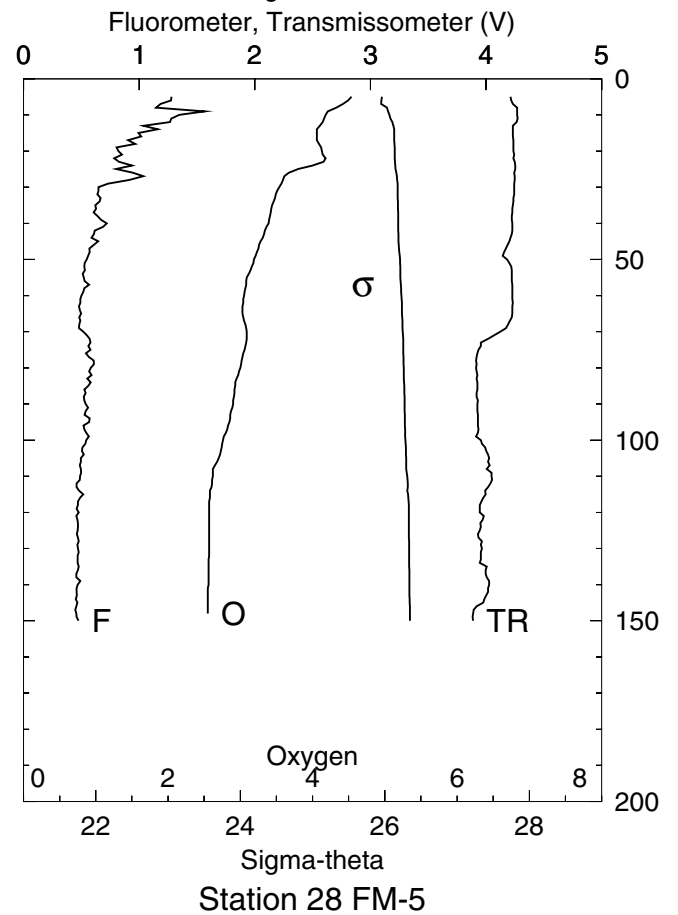
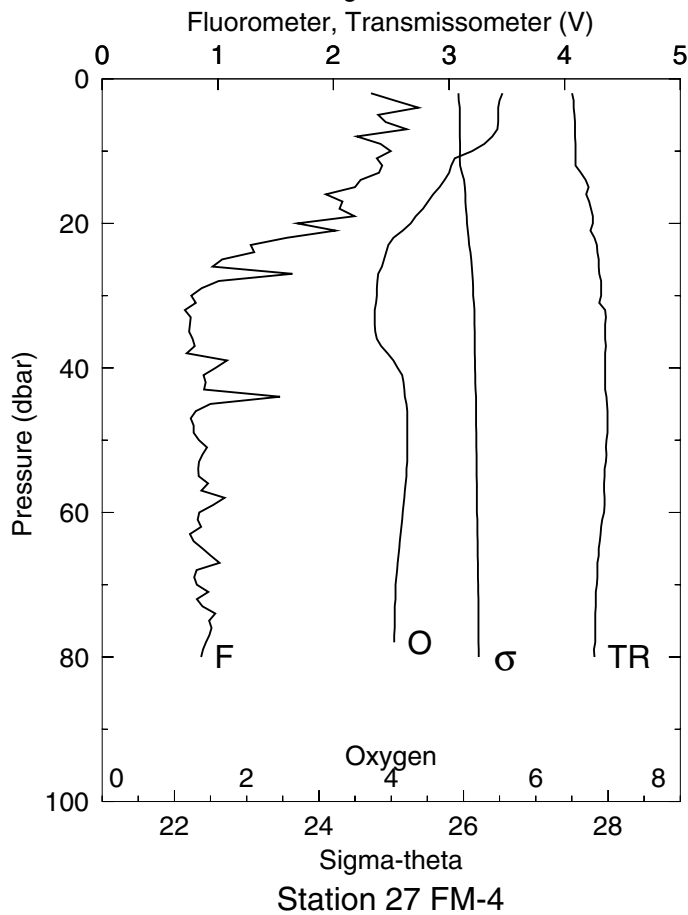
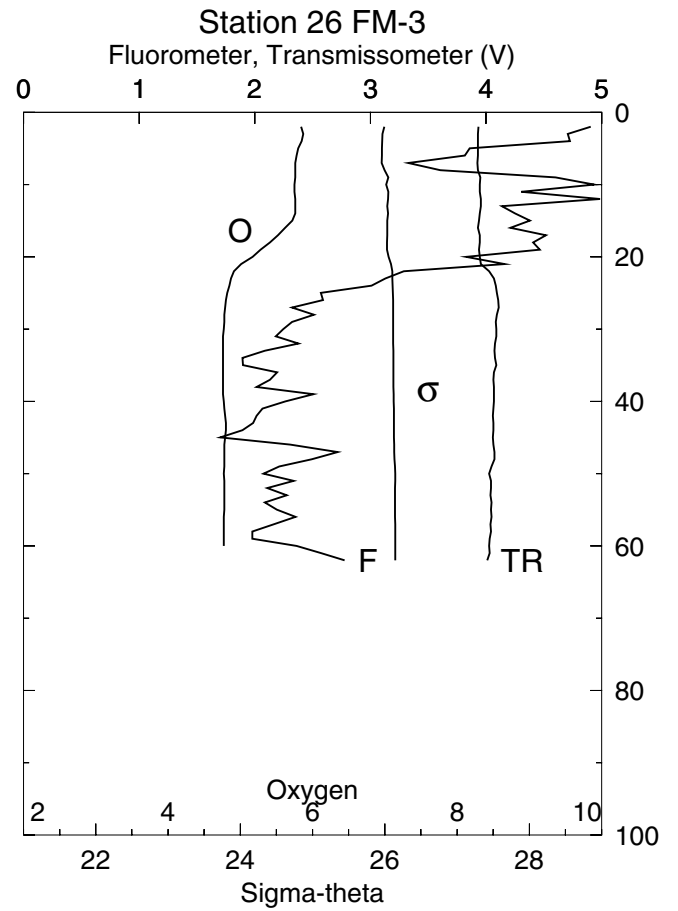
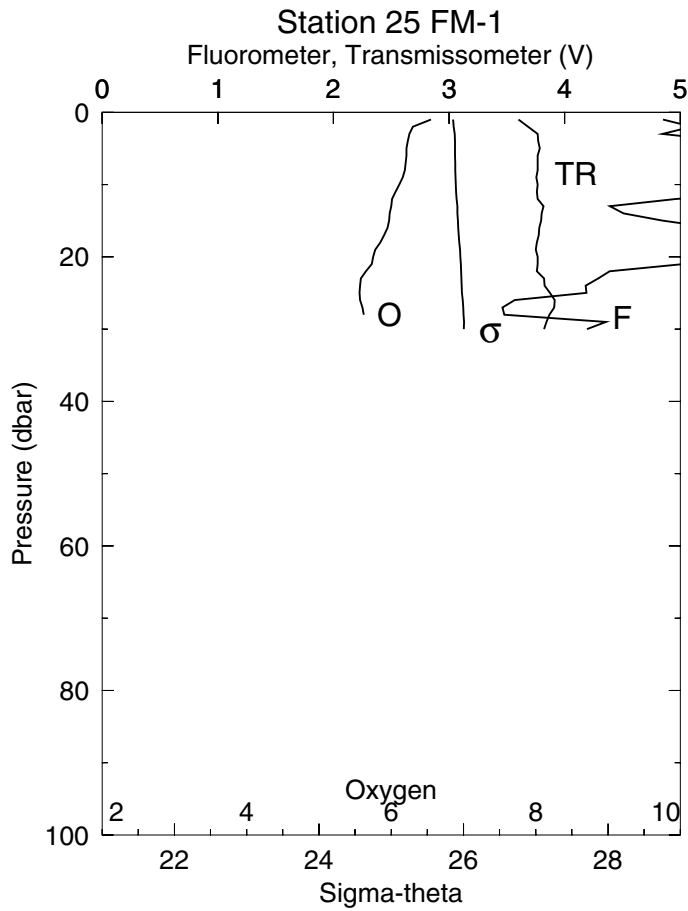


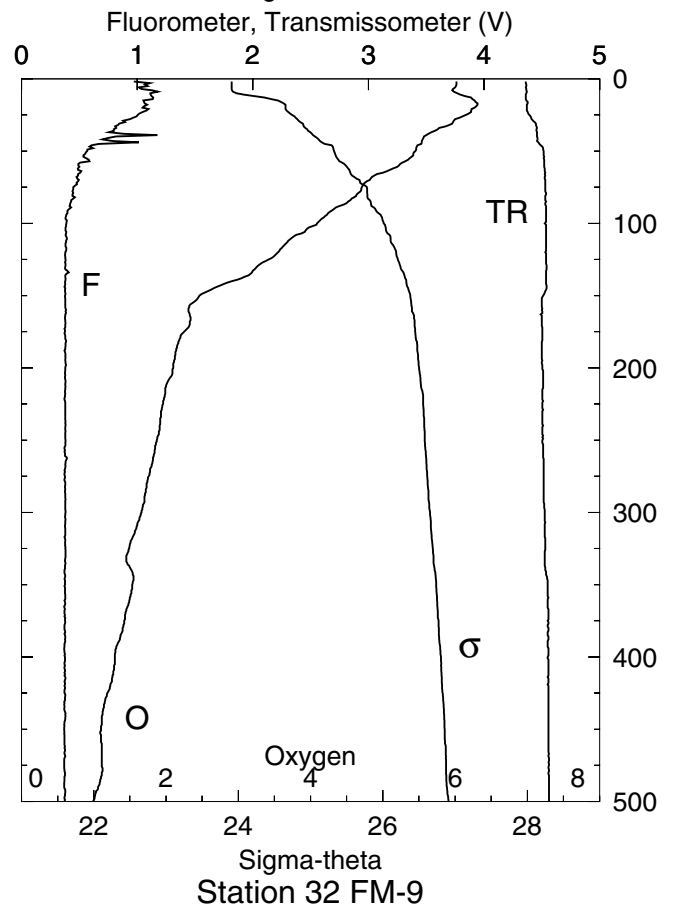
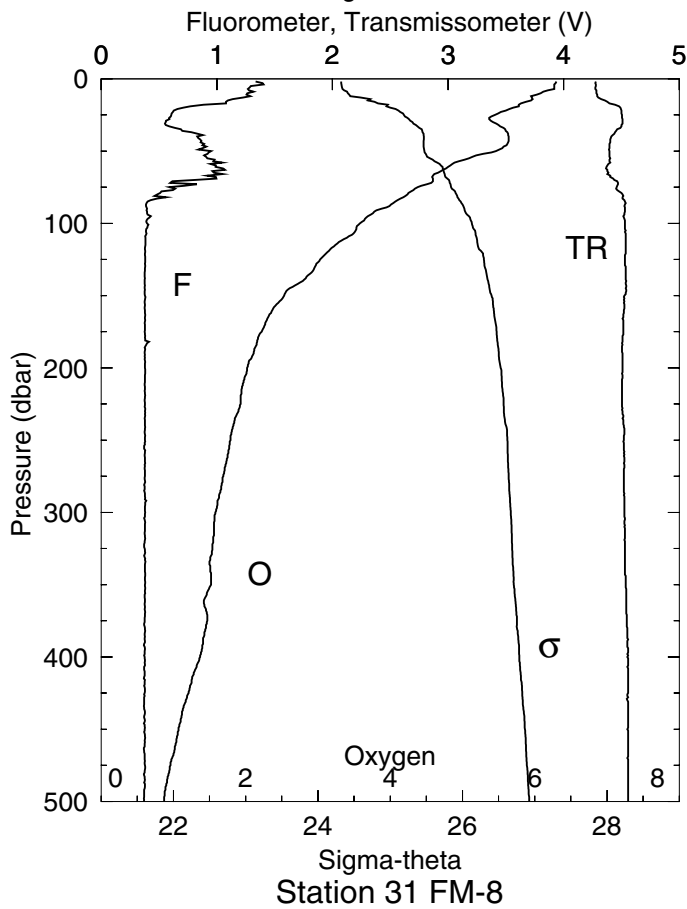
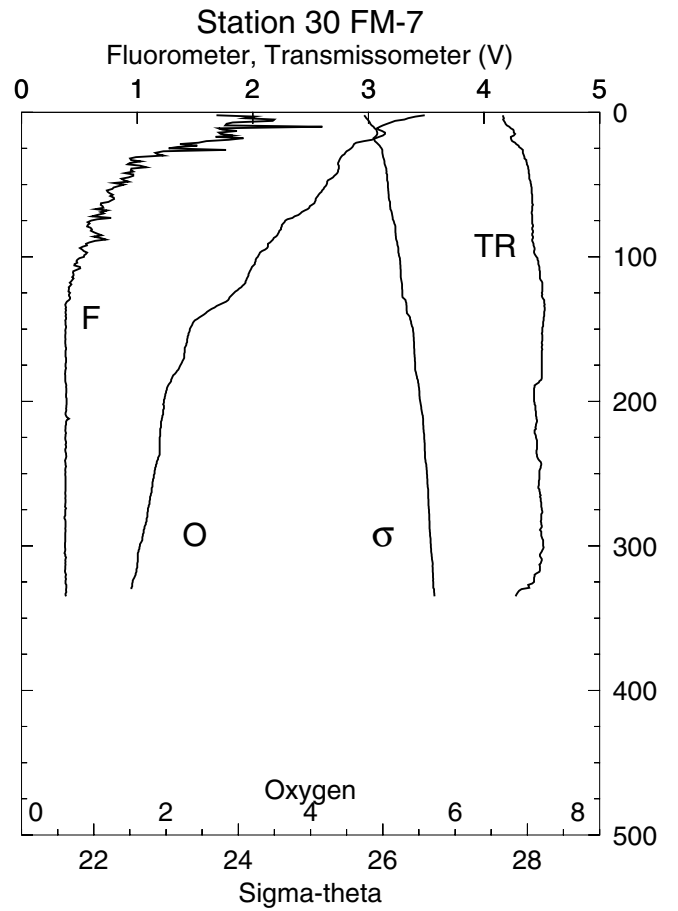
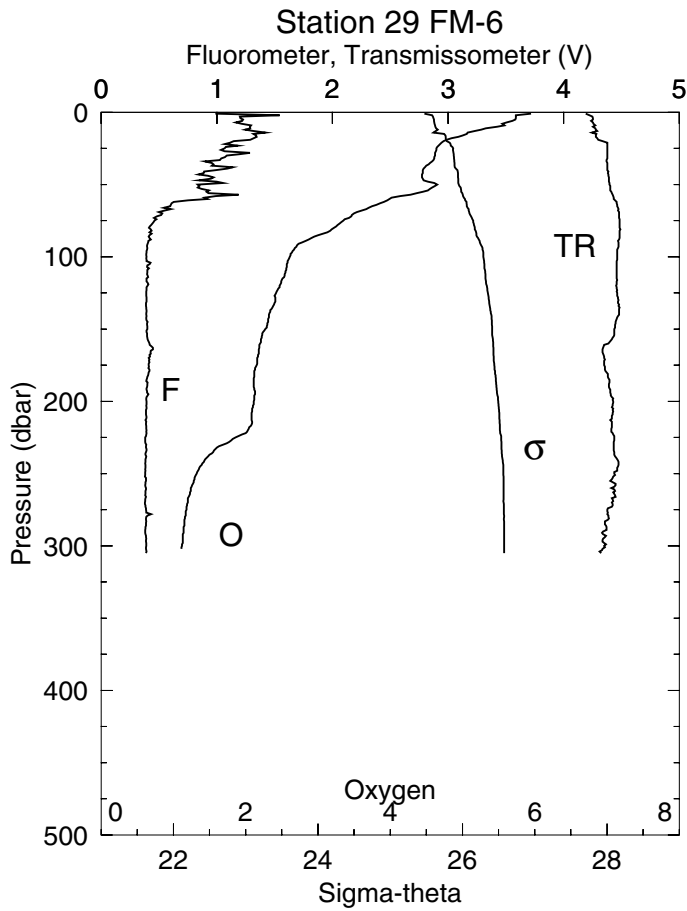


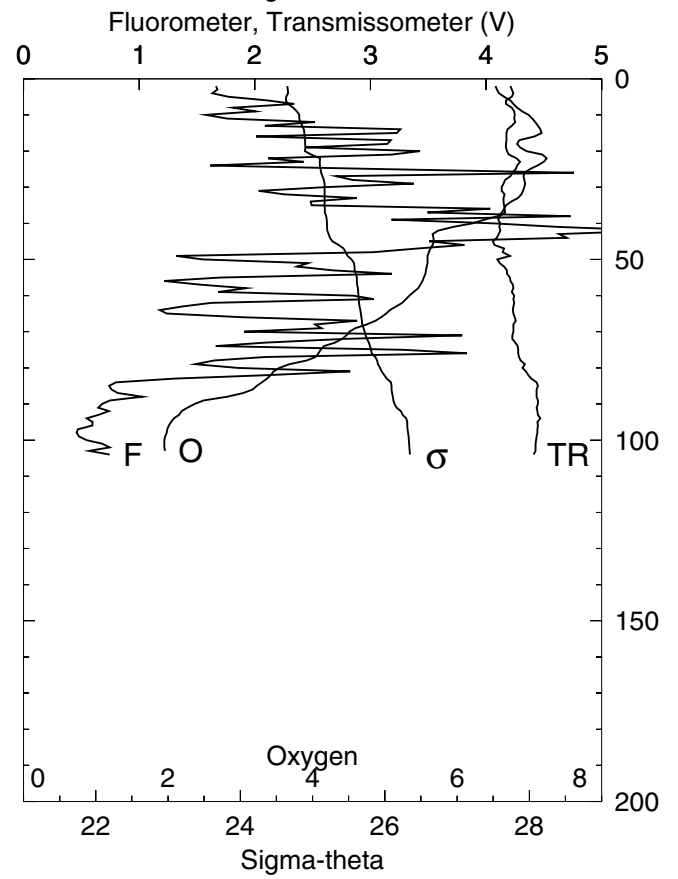
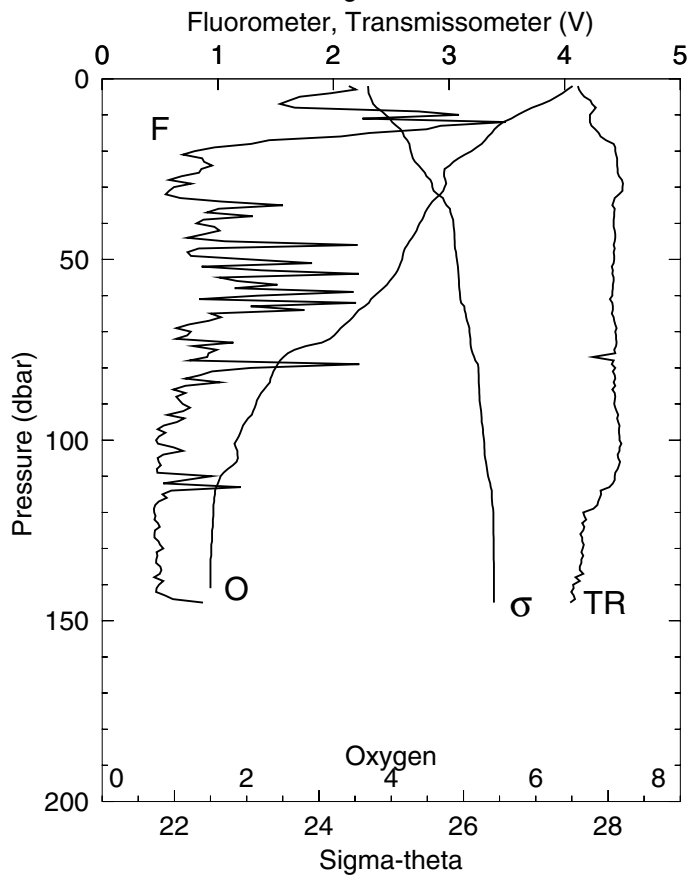
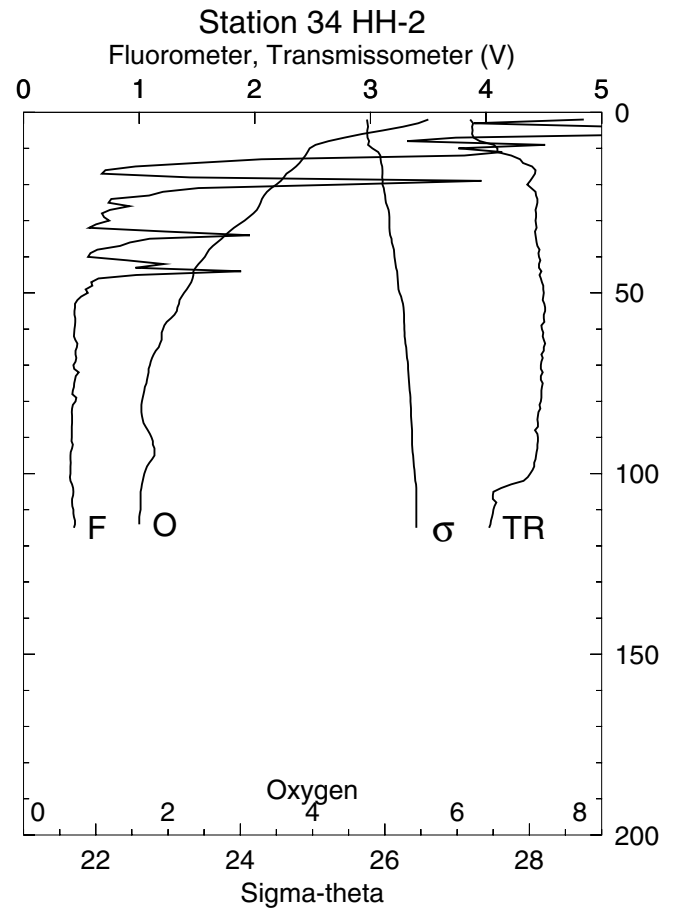
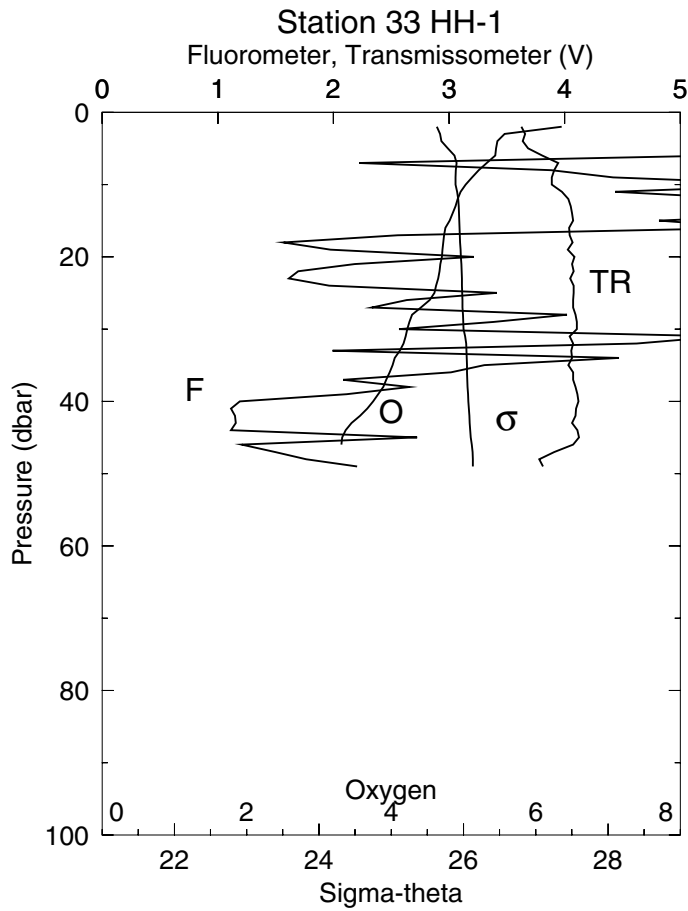






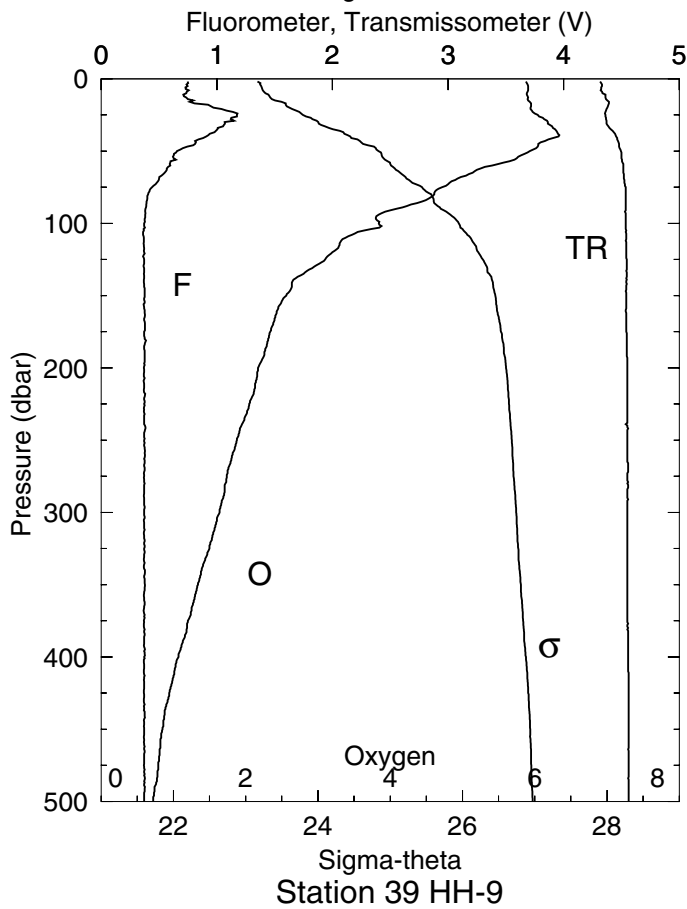
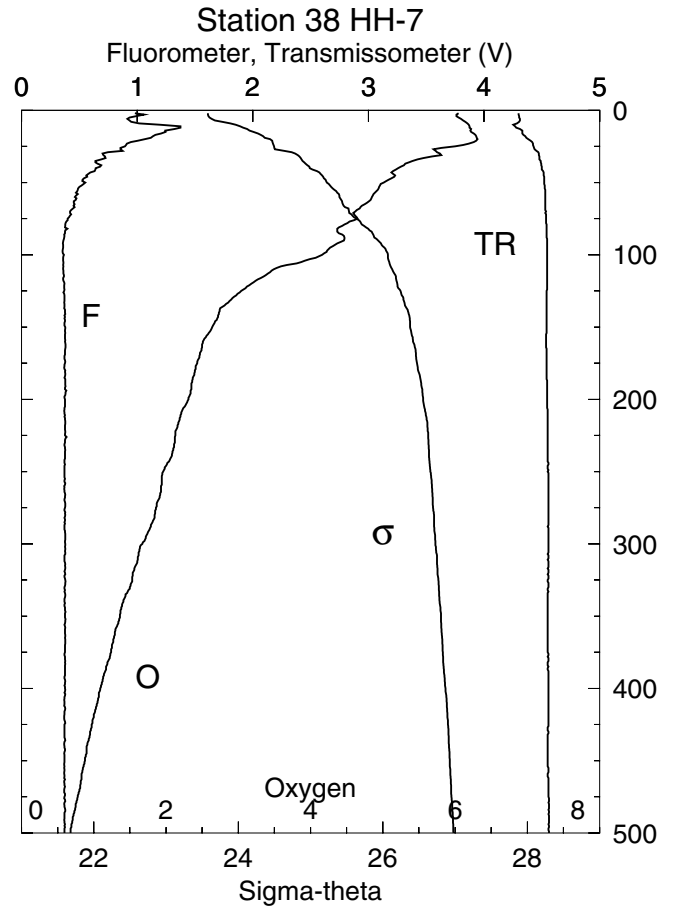
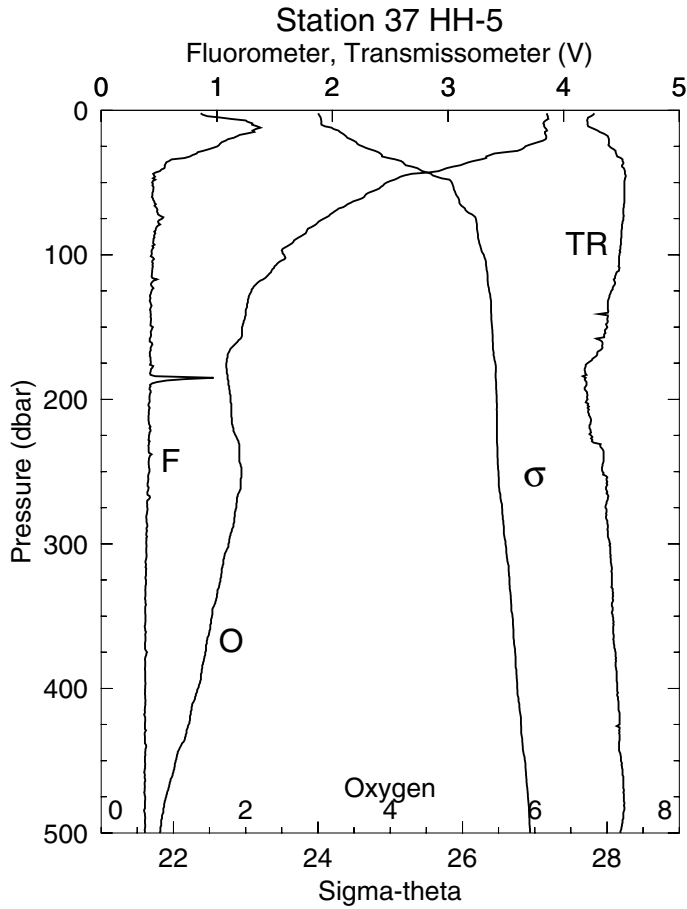






Station 35 HH-3

Station 36 HH-4



APPENDIX B. CALIBRATION OF DISSOLVED OXYGEN DATA

Dissolved oxygen concentrations reported throughout this data report were those measured by one of two types of Sea-Bird oxygen probes: either a SBE 13 Beckman sensor or a SBE 43 oxygen sensor, mounted on the SBE 9/11*plus* CTD (see Table 13 for the type of sensor used on each cruise). The sensors were calibrated using recent SBE calibration data (see Table 12 for calibration dates) and the results of comparisons to standard Winkler titrations of water samples collected at a few stations on each of the cruises. The sample titration values (collected during ascent) were compared with CTD values at the same depths (measured during ascent).

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. For the 2002 cruises, we have therefore calculated simple linear regression equations, one for each cruise, and these are provided in Table B1 and applied to our reported values. These results are summarized in a set of scatter diagrams (one for each of the five 2002 cruises). For the 2003 data, new oxygen calibration constants were derived from the Winkler and oxygen probe data using the method recommended by Sea-Bird (Application Note No. 64-2) for the SBE 43 sensors. These results are presented in linear regression plots and scatter diagrams (one for each 2003 cruise), and the new *Soc* and *Voffset* values are presented in Table B2. Profile plots of corrected dissolved oxygen (during descent) and sample oxygen (collected during ascent) are also presented for each station.

The full set of sample values of the dissolved oxygen concentration measured by Winkler titration is given in Table B3.

Table B1. Results of simple linear regression of Winkler titration values on CTD values of dissolved oxygen concentration for 2002 cruises.

	Number of Samples	Intercept	Slope	Rms deviation from regression line
W0202A	12	0.237	1.027	0.13
W0204A	48	0.212	1.011	0.04
W0207A	58	0.234	1.062	0.09
AT7-21	46	0.049	1.097	0.04
W0212A	11	0.165	1.019	0.03

Table B2. Results of comparisons of Winkler titration and CTD values of dissolved oxygen concentration for 2003 cruises using Sea-Bird methodology.

	Number of Samples	Slope	Offset	SOC	Voffset
W0302A	24	0.4473	-0.2128	0.4473	-0.4757
W0304A	46	0.4687	-0.2217	0.4687	-0.4730
NH0307A	45	0.3550	-0.2112	0.3550	-0.5949
W0309B	48	0.4956	-0.2332	0.4956	-0.4705

Table B3. Oxygen calibration data for February 2002 to September 2003.

Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O2-titration (ml/l)	O2-probe (ml/l)
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	19.131	6.695	6.36052
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	19.131	6.702	6.36052
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	40.425	6.676	6.35237
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	100.025	4.909	4.13936
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	180.201	2.518	2.28629
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	299.39	1.825	1.6057
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	400.23	1.191	0.97318
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	499.651	0.689	0.46402
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	600.449	0.42	0.17333
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	699.777	0.296	0.06485
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	840.557	0.242	0.02274
W0202A	8	NH-55	20-Feb-02	44°39.1'N	125°22.0'W	1005.487	0.379	0.1149
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	9.924	7.13	6.77534
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	35.41	6.615	6.28547
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	50.023	6.725	6.38964
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	99.871	3.729	3.44475
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	200.1	2.304	2.09753
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	299.693	1.748	1.51326
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	425.218	1.099	0.87935
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	500.66	0.796	0.52799
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	599.878	0.47	0.23856
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	801.034	0.261	0.02664
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	899.923	0.253	0.01716
W0204A	10	NH-55	5-Apr-02	44°39.1'N	125°22.0'W	1004.719	0.322	0.05445
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	1.793	7.672	7.3406
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	10.382	7.717	7.35653
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	20.257	7.352	7.06912
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	39.98	5.291	5.02632
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	60.048	3.636	3.37581
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	80.628	3.033	2.82992
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	99.75	2.719	2.52801
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	150.07	2.421	2.24568
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	200.329	2.075	1.89601
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	250.176	1.641	1.47525
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	280.244	1.52	1.35277
W0204A	16	FM-6	6-Apr-02	43°13.0'N	124°45.1'W	311.429	1.46	1.29162
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	9.995	7.076	6.7362
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	50.251	6.51	6.2391
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	99.901	3.975	3.70642
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	150.107	2.653	2.44066
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	200.178	2.599	2.3787
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	300.075	1.832	1.60735
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	399.753	1.222	1.02412
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	499.946	0.793	0.57014
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	600.268	0.456	0.20451
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	800.118	0.286	0.02708
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	900.208	0.276	0.04632
W0204A	25	CR-8	7-Apr-02	41°54.0'N	125°12.0'W	1004.999	0.342	0.08938
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	9.942	6.874	6.75873
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	49.933	3.699	3.51205
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	94.074	3.474	3.24266

Table B3. Oxygen calibration data for February 2002 to September 2003.

Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O2-titration (ml/l)	O2-probe (ml/l)
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	124.597	2.926	2.68662
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	140.01	2.69	2.47978
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	194.413	2.165	1.91354
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	289.922	1.683	1.46107
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	340.512	1.428	1.23477
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	399.5	1.255	1.02605
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	499.939	0.74	0.52578
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	699.571	0.351	0.11618
W0204A	37	RR-5	8-Apr-02	42°30.0'N	124°54.0'W	869.924	0.33	0.05773
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	5.325	5.815	5.08102
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	40.577	7.607	6.89484
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	199.84	2.55	2.22835
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	260.058	2.05	1.73503
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	300.29	1.786	1.49246
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	399.863	1.089	0.81773
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	500.705	0.704	0.42985
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	600.372	0.477	0.22214
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	700.358	0.319	0.06829
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	799.83	0.255	0.01061
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	901.138	0.367	0.01407
W0207A	10	NH-55	10-Jul-02	44°39.1'N	125°21.9'W	1005.182	0.356	0.05454
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	4.303	6.37	5.7263
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	39.242	2.852	2.62649
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	55.262	2.429	2.10912
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	79.759	1.827	1.57023
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	89.46	1.848	1.5931
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	109.94	2.174	1.90944
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	149.925	1.859	1.59473
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	174.251	1.718	1.44753
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	199.889	1.61	1.37109
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	240.163	1.488	1.29097
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	258.725	1.507	1.29636
W0207A	17	FM-6	11-Jul-02	43°13.0'N	124°45.0'W	303.254	1.316	1.08545
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	5.251	6.059	5.33261
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	81.964	6.324	5.78806
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	185.757	2.965	2.3699
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	298.824	1.526	1.2342
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	429.219	0.945	0.64901
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	500.057	0.623	0.35312
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	549.958	0.526	0.20621
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	600.751	0.405	0.12515
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	684.672	0.328	0.0442
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	799.147	0.268	0.00997
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	900.004	0.352	0.0287
W0207A	23	CR-10	12-Jul-02	41°54.0'N	125°40.0'W	1004.937	0.393	0.11138
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	5.145	7.3	6.59775
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	35.196	6.353	5.84364
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	110.519	3.652	3.30523
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	200.176	2.365	2.06538
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	325.764	1.454	1.18709
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	500.127	0.673	0.38014

Table B3. Oxygen calibration data for February 2002 to September 2003.

Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O2-titration (ml/l)	O2-probe (ml/l)
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	600.892	0.407	0.16957
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	700.941	0.345	0.09185
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	750.813	0.329	0.04226
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	874.533	0.328	0.02784
W0207A	37	RR-5	14-Jul-02	42°30.0'N	124°54.0'W	1005.83	0.377	0.08989
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	2.311	6.271	5.50929
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	10.157	6.392	5.72005
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	18.732	6.277	5.63201
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	19.648	6.318	5.78529
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	29.736	4.497	4.01156
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	40.351	4.529	4.15972
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	49.396	4.817	4.55833
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	99.673	2.984	2.66561
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	149.766	2.287	1.96524
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	690.908	0.317	0.04781
W0207A	46	HH-9	15-Jul-02	44°00.0'N	125°24.0'W	1004.612	0.395	0.07823
AT7-21	9	NH-55	29-Sep-02	44°39.1'N	125°21.9'W	51.751	5.881	5.30662
AT7-21	9	NH055	29-Sep-02	44°39.1'N	125°21.9'W	101.049	3.362	3.02611
AT7-21	9	NH-055	29-Sep-02	44°39.1'N	125°21.9'W	199.538	1.937	1.72091
AT7-21	9	NH-055	29-Sep-02	44°39.1'N	125°21.9'W	298.096	1.603	1.39824
AT7-21	9	NH-055	29-Sep-02	44°39.1'N	125°21.9'W	402.493	1.059	0.90664
AT7-21	9	NH-055	29-Sep-02	44°39.1'N	125°21.9'W	501.523	0.805	0.64657
AT7-21	9	NH-055	29-Sep-02	44°39.1'N	125°21.9'W	600.591	0.464	0.37983
AT7-21	9	NH-055	29-Sep-02	44°39.1'N	125°21.9'W	699.256	0.306	0.26719
AT7-21	9	NH-055	29-Sep-02	44°39.1'N	125°21.9'W	803.233	0.282	0.22138
AT7-21	9	NH-055	29-Sep-02	44°39.1'N	125°21.9'W	902.831	0.274	0.22093
AT7-21	9	NH-055	29-Sep-02	44°39.1'N	125°21.9'W	1005.086	0.356	0.27155
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	1.928	6.37	5.76498
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	52.122	5.093	4.56098
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	102.859	3.261	2.92998
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	200.3	2.062	1.84101
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	301.812	1.483	1.2834
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	429.43	0.792	0.68026
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	500.67	0.522	0.43333
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	599.412	0.328	0.27184
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	700.118	0.265	0.22961
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	800.719	0.288	0.22913
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	901.496	0.342	0.25668
AT7-21	14	CR-10	30-Sep-02	41°54.0'N	125°40.0'W	1006.131	0.445	0.33733
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	5.142	7.169	6.48829
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	20.088	5.838	5.24138
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	30.567	5.691	5.22565
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	50.279	4.907	4.39951
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	60.204	4.356	3.8645
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	85.095	3.451	3.0597
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	100.685	2.487	2.26906
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	149.995	1.947	1.75775
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	180.025	1.889	1.6886
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	200.441	1.848	1.65445
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	250.526	1.733	1.51701
AT7-21	28	FM-6	2-Oct-02	43°13.0'N	124°45.0'W	299.944	1.545	1.39478

Table B3. Oxygen calibration data for February 2002 to September 2003.

Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O2-titration (ml/l)	O2-probe (ml/l)
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	1.561	6.225	5.65102
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	10.484	6.355	5.7175
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	15.494	6.344	5.76669
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	30.233	6.022	5.42175
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	40.53	4.747	4.26888
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	50.57	4.086	3.7921
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	71.486	3.646	3.2356
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	100.957	2.66	2.44337
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	150.387	2.145	1.87923
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	500.753	0.898	0.72396
AT7-21	36	HH-5	3-Oct-02	44°00.0'N	125°00.0'W	914.505	0.347	0.24868
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	0.69	6.197	5.88018
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	145.333	3.107	2.94521
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	199.577	2.157	1.96701
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	300.029	1.61	1.43308
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	399.69	1.155	0.97228
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	500.525	0.763	0.59303
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	600.424	0.452	0.28971
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	700.237	0.327	0.14783
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	802.001	0.251	0.08414
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	901.27	0.255	0.07392
W0212A	10	NH-55	4-Dec-02	44°39.1'N	125°22.0'W	1004.205	0.331	0.12286
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	2.56	6.455	6.3368
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	9.73	6.45	6.33041
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	12.441	6.452	6.33251
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	21.319	6.444	6.32373
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	30.203	6.438	6.31099
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	40.462	6.423	6.28994
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	51.13	6.396	6.25404
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	70.129	5.327	5.15711
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	100.014	4.692	4.58795
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	150.068	3.132	3.07486
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	823.586	0.235	0.2538
W0302A	9	NH-65	15-Feb-03	44°39.1'N	125°36.0'W	1004.426	0.292	0.30135
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	1.47	6.532	6.40067
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	19.986	6.51	6.37444
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	50.972	6.011	5.87705
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	102.019	5.524	5.36517
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	228.529	2.383	2.31766
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	300.969	2.11	2.06065
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	430.105	1.22	1.20501
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	550.279	0.662	0.65735
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	635.859	0.425	0.42439
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	751.565	0.27	0.28574
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	869.929	0.235	0.24877
W0302A	10	NH-55	15-Feb-03	44°39.1'N	125°22.0'W	1005.282	0.289	0.29307
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	10.383	6.527	6.10396
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	40.592	6.508	6.09822
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	124.412	4.15	3.84806
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	226.673	2.304	2.15636

Table B3. Oxygen calibration data for February 2002 to September 2003.

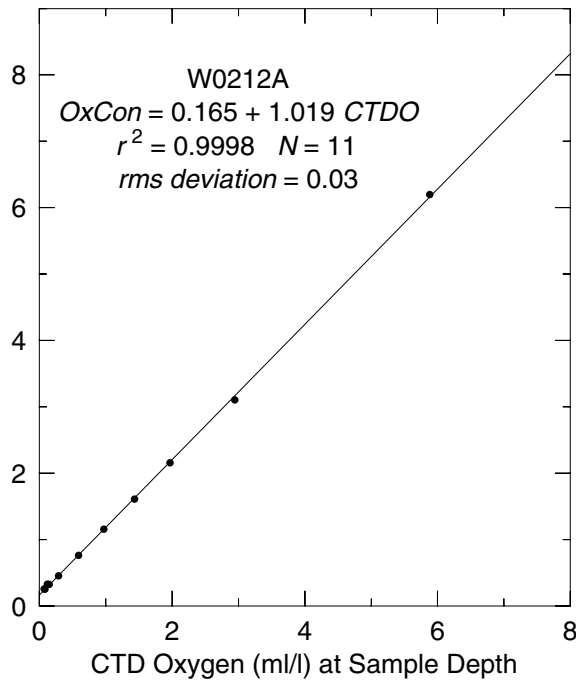
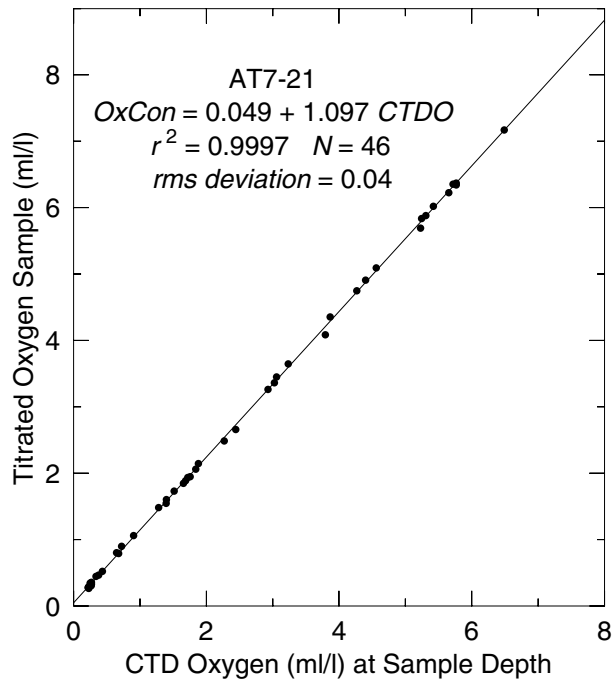
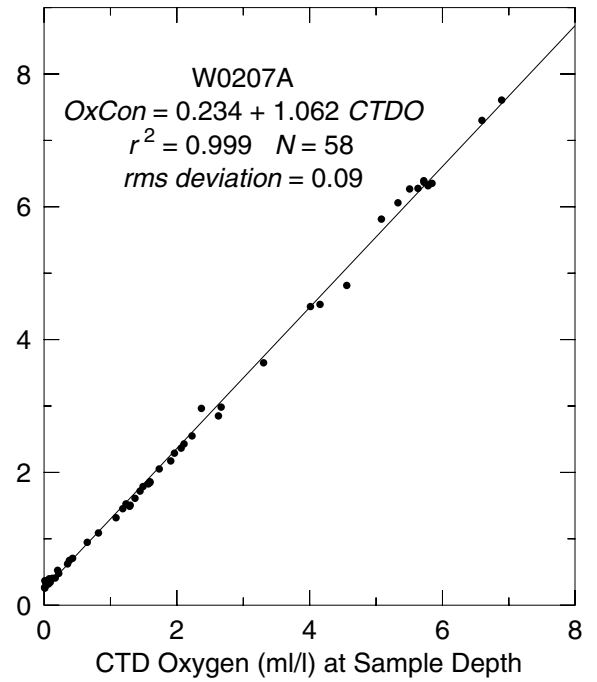
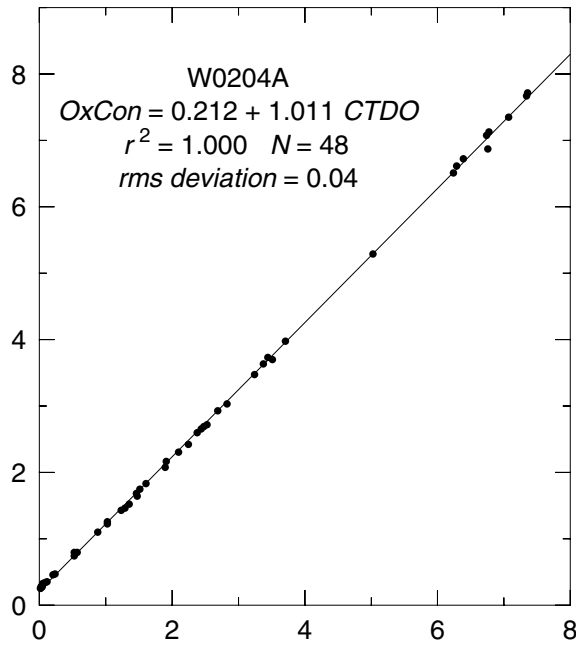
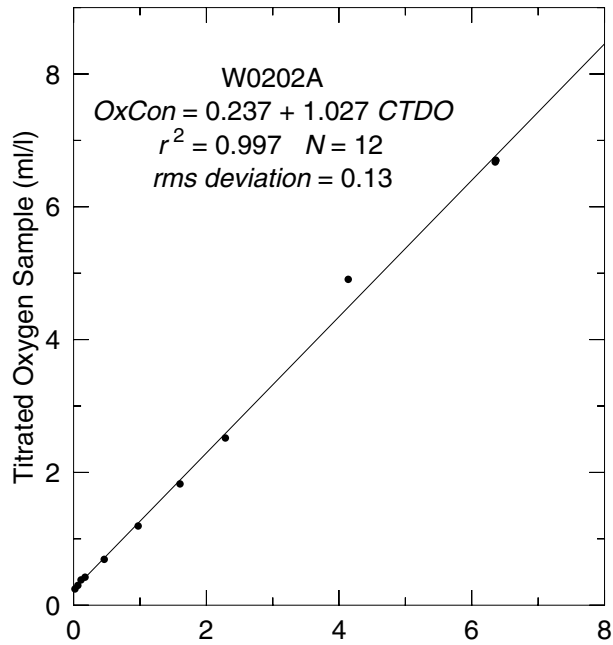
Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O2-titration (ml/l)	O2-probe (ml/l)
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	301.496	1.898	1.77814
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	421.412	1.155	1.05654
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	569.997	0.537	0.4948
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	629.638	0.389	0.36597
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	795.022	0.259	0.25468
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	849.636	0.247	0.25002
W0304A	10	NH-55	2-Apr-03	44°39.0'N	125°52.9'W	1003.754	0.317	0.29086
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	10.087	6.543	6.11612
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	25.175	6.516	6.07936
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	49.55	6.281	5.84518
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	106.259	4.21	3.88684
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	144.683	2.642	2.43814
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	168.427	2.294	2.1276
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	197.591	1.974	1.85175
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	224.594	1.79	1.67963
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	251.777	1.706	1.58563
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	276.491	1.562	1.46274
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	289.915	1.549	1.45834
W0304A	17	FM-6	3-Apr-03	43°13.0'N	124°45.0'W	304.601	1.54	1.44906
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	20.278	6.511	6.11848
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	40.938	6.517	6.09418
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	100.122	4.285	3.94427
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	200.612	2.857	2.65732
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	300.356	1.613	1.51027
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	399.483	1.134	1.04846
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	499.451	0.77	0.71369
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	624.655	0.4	0.37263
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	748.856	0.288	0.26178
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	874.741	0.245	0.24067
W0304A	30	CR-10	5-Apr-03	41°54.0'N	125°40.0'W	1004.81	0.297	0.30877
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	10.118	6.562	6.16382
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	100.04	4.472	4.18165
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	210.187	1.908	1.79115
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	291.013	1.489	1.40388
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	359.535	1.135	1.07065
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	420.621	0.911	0.86039
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	520.216	0.71	0.67039
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	629.645	0.393	0.36171
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	699.002	0.293	0.28551
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	799.666	0.292	0.25799
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	899.56	0.294	0.29541
W0304A	34	RR-5	5-Apr-03	42°30.0'N	124°54.0'W	1004.333	0.377	0.36467
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	2.49	6.106	6.12174
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	9.636	6.279	6.22753
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	20.108	6.740	6.78868
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	29.894	6.900	6.94055
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	39.511	6.395	6.48268
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	49.674	6.054	6.07581
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	69.605	5.280	5.35444
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	271.843	1.585	1.48814
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	500.327	0.733	0.61596

Table B3. Oxygen calibration data for February 2002 to September 2003.

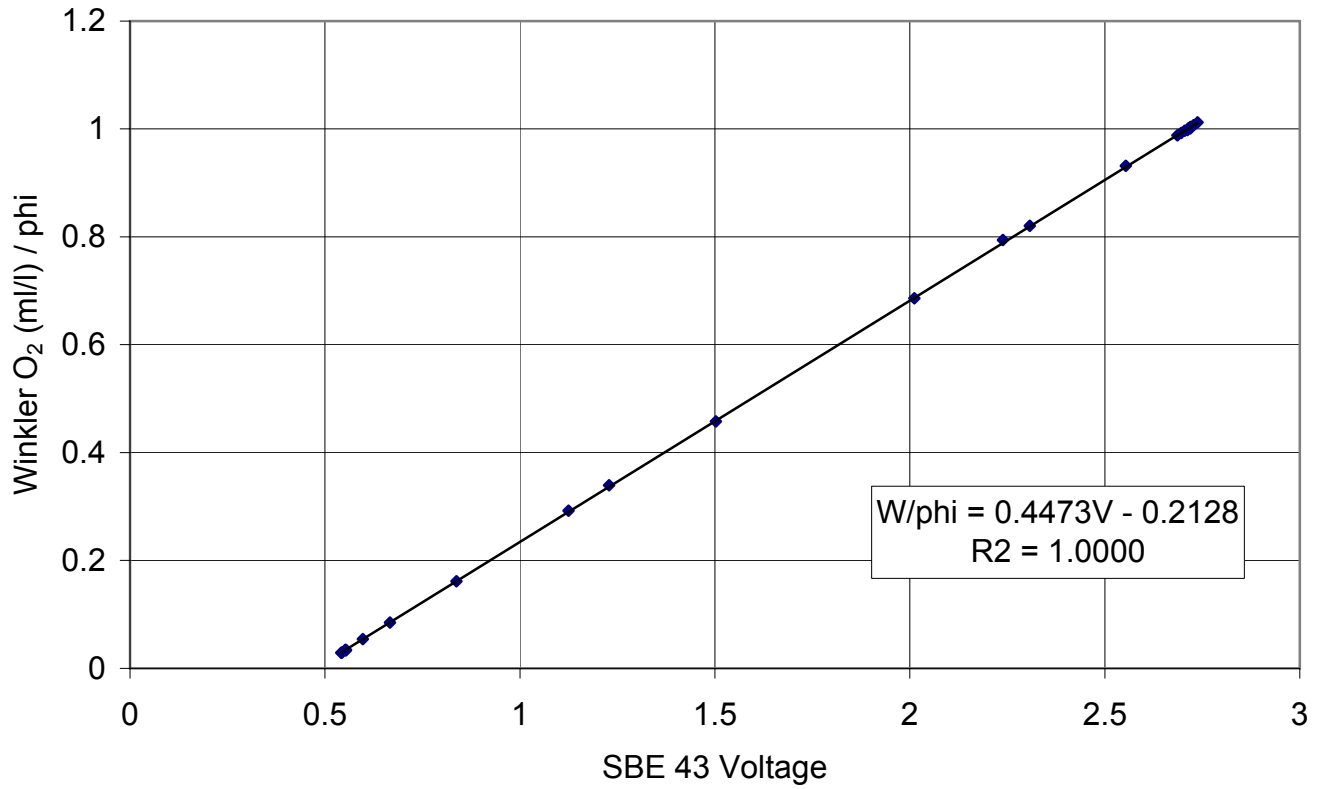
Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O2-titration (ml/l)	O2-probe (ml/l)
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	573.447	0.565	0.46291
NH0307A	9	NH-45	3-Jul-03	44°39.1'N	125°07.0'W	690.539	0.279	0.29522
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	2.934	5.824	5.82184
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	20.882	5.503	5.47203
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	65.529	5.847	5.84284
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	119.895	3.419	3.36547
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	205.246	1.897	1.79702
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	239.24	1.760	1.65852
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	367.3	0.995	0.90259
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	426.718	0.839	0.69883
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	596.178	0.373	0.26197
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	736.855	0.254	0.15272
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	853.205	0.290	0.16008
NH0307A	20	CR-8	5-Jul-03	41°54.0'N	125°12.2'W	1006.454	0.322	0.20268
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	3.858	7.028	6.95101
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	10.271	7.032	6.94916
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	20.139	6.748	6.64717
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	25.084	6.202	6.09889
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	30.961	5.866	5.7901
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	40.954	5.371	5.33882
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	52.034	4.665	4.67524
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	69.831	3.504	3.44671
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	99.556	3.195	3.12142
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	150.58	2.122	2.09794
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	216.845	1.871	1.75851
NH0307A	26	FM-7	6-Jul-03	43°12.9'N	124°50.3'W	302.387	1.867	1.39854
NH0307A	34	HH-1	8-Jul-03	44°00.1'N	124°12.2'W	40.573	2.584	2.5478
NH0307A	34	HH-1	8-Jul-03	44°00.1'N	124°12.2'W	48.761	2.379	2.30569
NH0307A	35	HH-2	8-Jul-03	44°00.0'N	124°23.9'W	100.431	1.646	1.62335
NH0307A	35	HH-2	8-Jul-03	44°00.0'N	124°23.9'W	114.794	1.606	1.56638
NH0307A	36	HH-3	8-Jul-03	44°00.0'N	124°36.0'W	60.942	1.624	1.53803
NH0307A	36	HH-3	8-Jul-03	44°00.0'N	124°36.0'W	100.975	2.228	2.15604
NH0307A	36	HH-3	8-Jul-03	44°00.0'N	124°36.0'W	148.615	1.697	1.6633
NH0307A	37	HH-4	8-Jul-03	44°00.1'N	124°48.1'W	2.464	9.678	9.5059
NH0307A	37	HH-4	8-Jul-03	44°00.1'N	124°48.1'W	70.91	3.096	3.05679
NH0307A	37	HH-4	8-Jul-03	44°00.1'N	124°48.1'W	99.117	2.039	1.98318
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	1.759	5.594	4.96127
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	10.273	5.604	4.96222
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	20.647	5.620	4.97081
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	30.38	5.646	4.99575
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	40.474	5.683	5.02525
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	49.857	6.130	5.5074
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	70.403	6.573	5.78126
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	99.761	5.919	5.19677
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	142.361	4.094	3.56456
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	620.201	0.390	0.36961
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	805.458	0.252	0.23303
W0309B	13	NH-85	28-Sep-03	44°39.1'N	126°03.0'W	1004.199	0.321	0.30683

Table B3. Oxygen calibration data for February 2002 to September 2003.

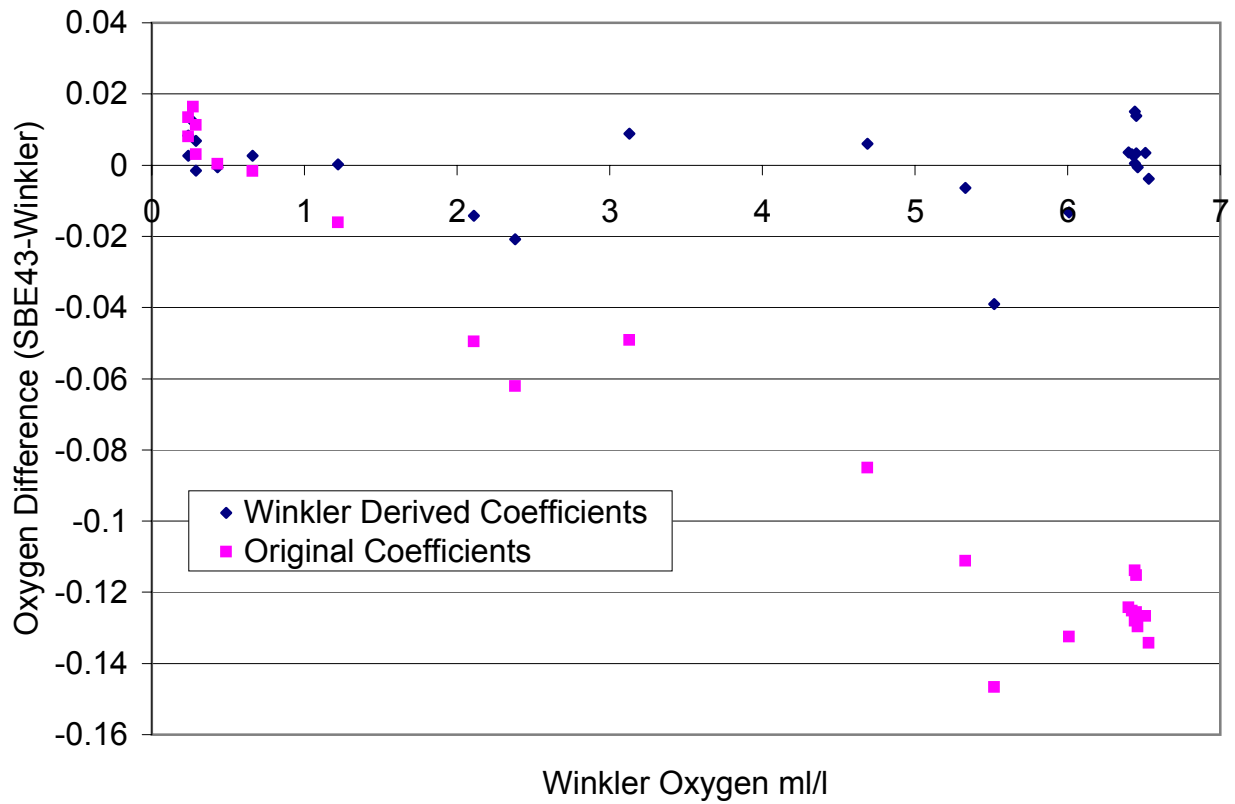
Cruise	Station Number	Station Name	Date	Latitude	Longitude	Pressure (dbar)	O2-titration (ml/l)	O2-probe (ml/l)
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	10.47	5.613	4.98273
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	50.741	6.428	5.63163
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	99.498	4.962	4.36428
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	209.776	2.780	2.43323
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	300.395	2.432	1.78098
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	450.08	0.955	0.82092
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	499.862	0.611	0.56449
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	600.271	0.400	0.38106
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	700.386	0.242	0.25069
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	799.709	0.235	0.24212
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	899.293	0.270	0.28477
W0309B	23	CR-10	29-Sep-03	41°54.0'N	125°40.0'W	1004.906	0.344	0.34515
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	1.835	5.715	5.01061
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	9.483	5.503	4.79602
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	18.823	5.062	4.41748
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	28.543	4.516	3.98037
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	39.374	4.331	3.78965
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	50.032	4.167	3.68166
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	69.315	3.837	3.39178
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	100.366	3.243	2.83078
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	149.788	2.262	1.98759
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	214.636	1.899	1.67522
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	249.351	1.833	1.61611
W0309B	30	FM-7	29-Sep-03	43°13.0'N	124°50.0'W	299.921	1.701	1.45587
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	1.007	6.066	5.39371
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	9.989	6.195	5.46081
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	19.981	6.285	5.52925
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	29.802	5.595	5.09185
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	40.036	5.144	4.4996
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	50.583	4.954	4.33209
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	69.873	4.580	4.05221
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	100.079	4.121	3.62694
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	149.564	2.542	2.26742
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	249.946	1.877	1.65679
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	569.876	0.405	0.39378
W0309B	38	HH-7	30-Sep-03	44°00.0'N	125°12.0'W	1004.675	0.320	0.32171



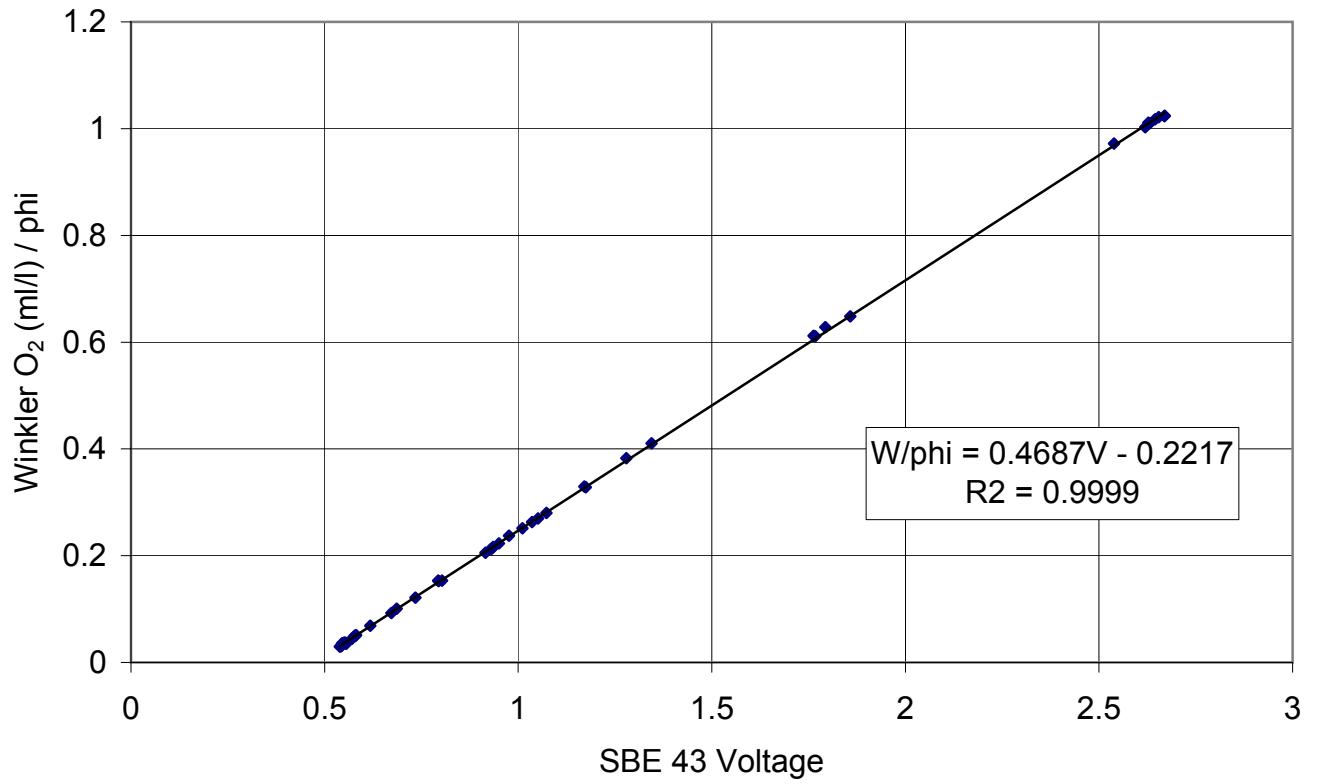
W0302A Linear Regression of Winkler O₂/phi versus SBE 43 Voltage



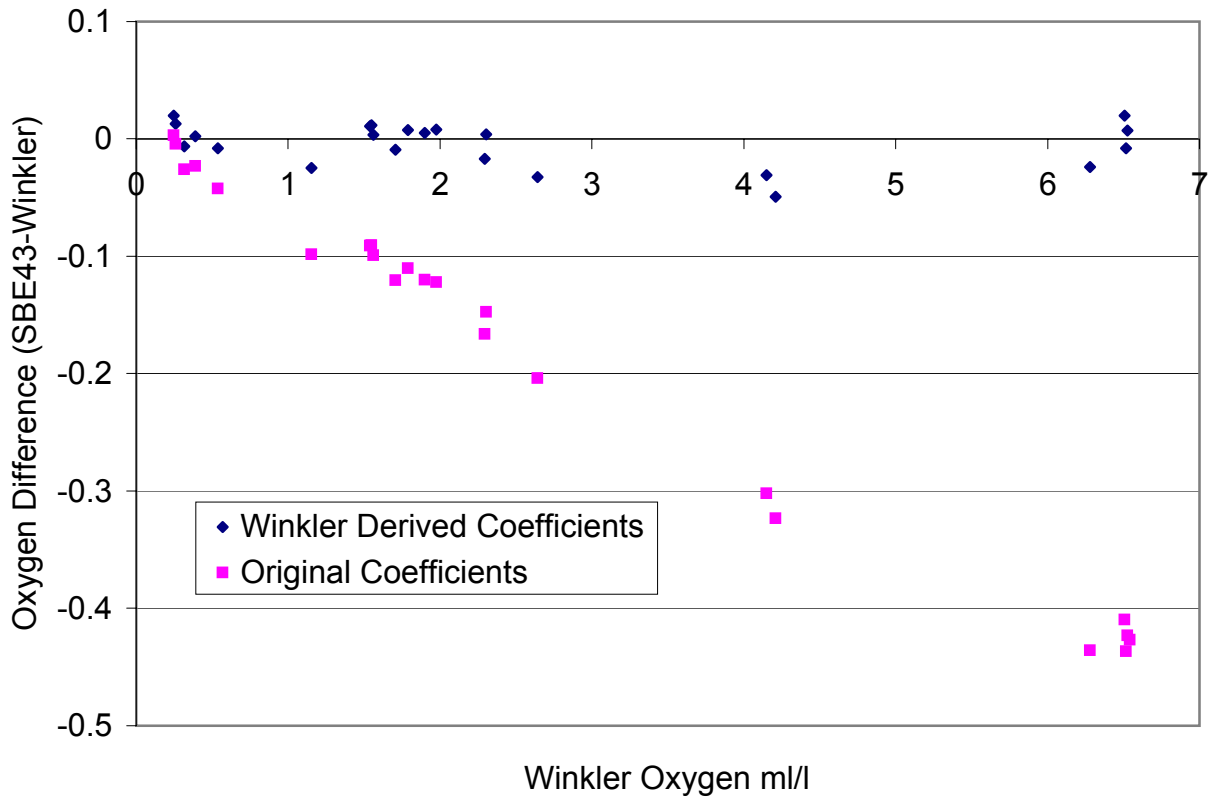
W0302A Comparison of SBE and Winkler Corrections



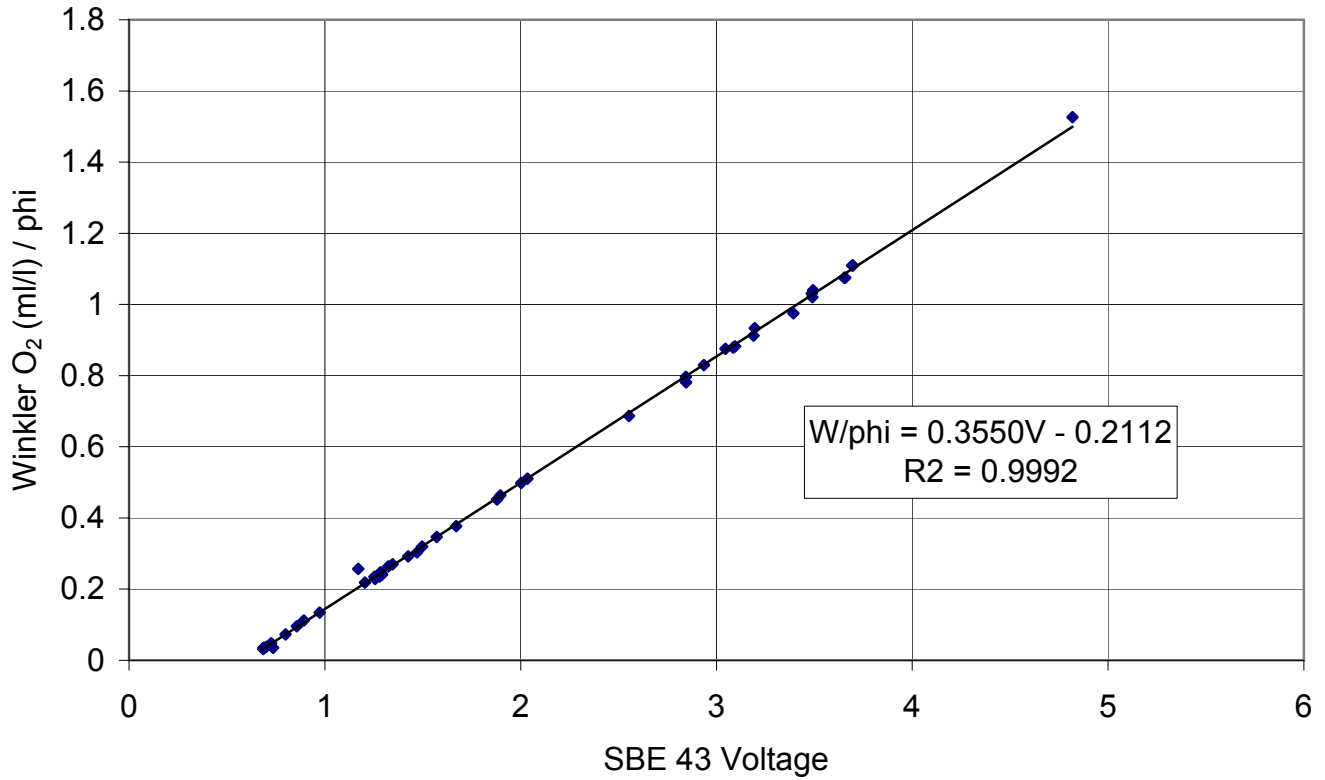
W0304a Linear Regression of Winkler O₂/phi versus SBE 43 Voltage



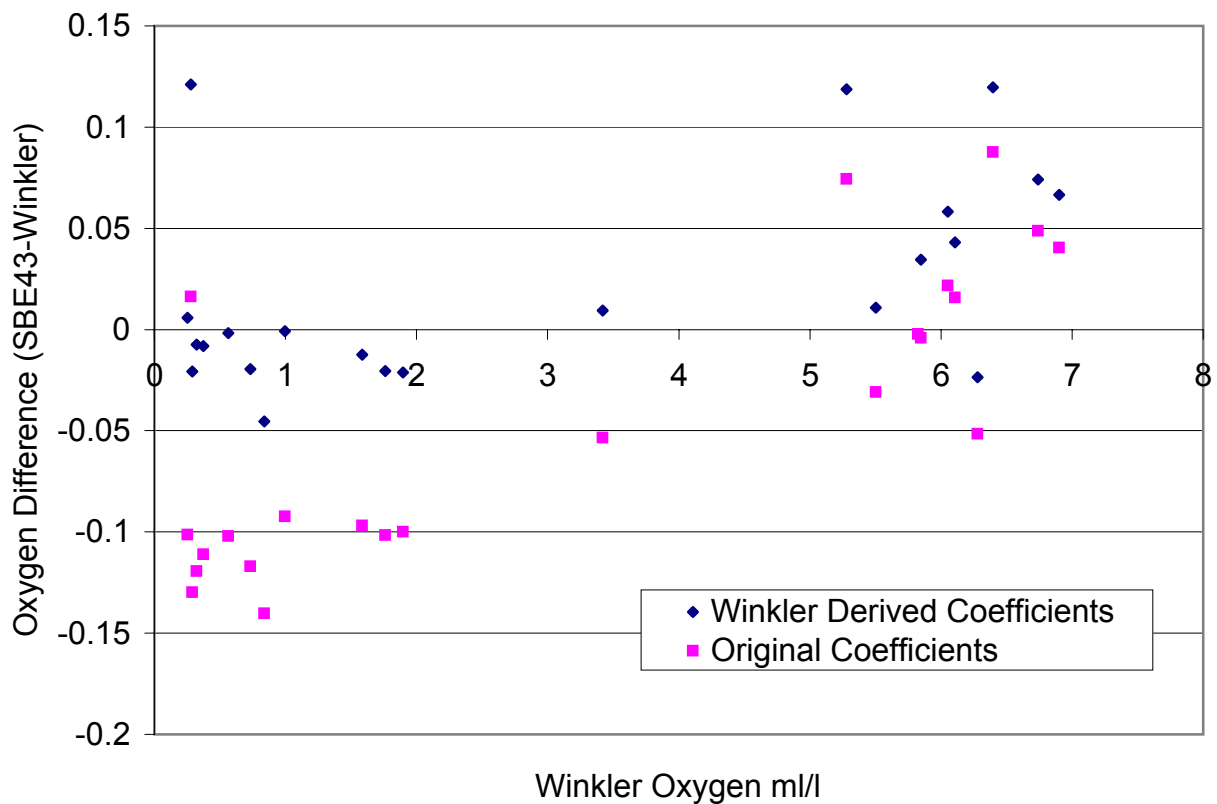
W0304A Comparison of SBE and Winkler Corrections



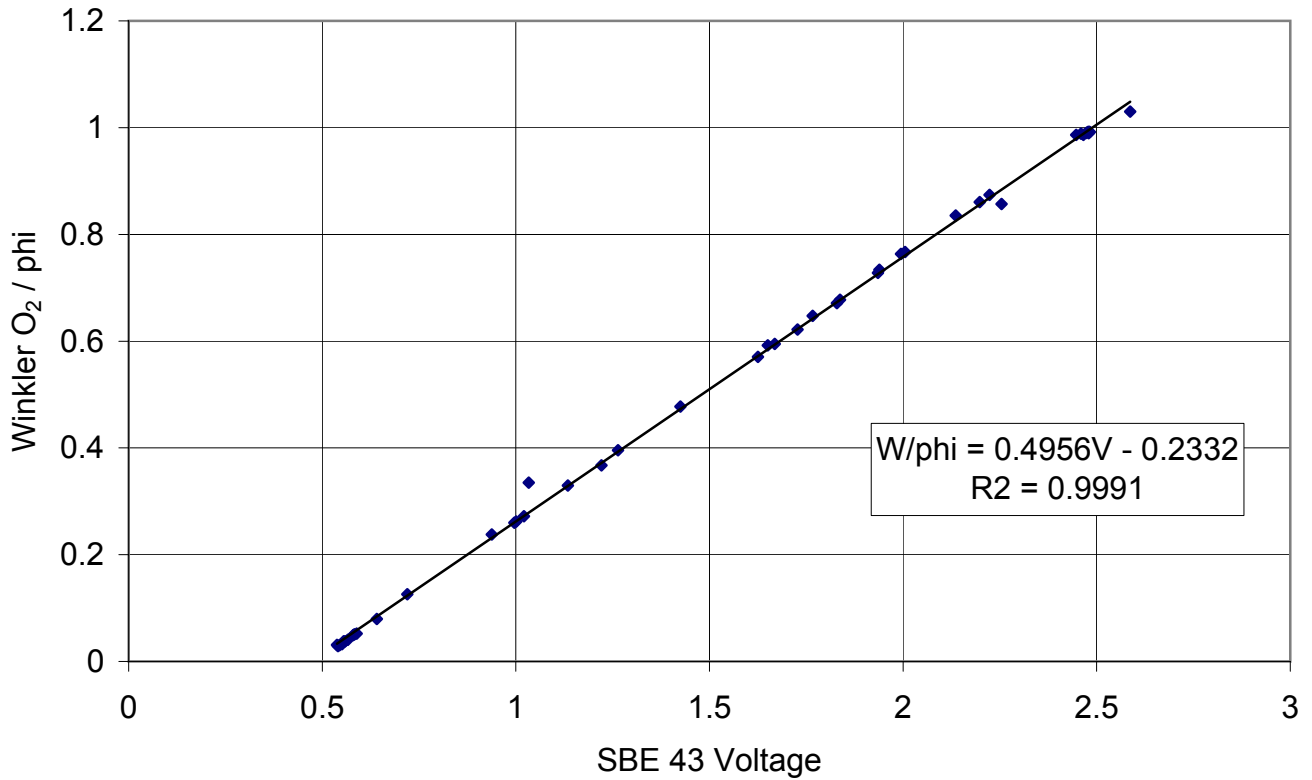
NH0307A Linear Regression of Winkler O₂/phi versus SBE 43 Voltage



NH0307A Comparison of SBE and Winkler Corrections



W0309B Linear Regression of Winkler O₂/phi versus SBE 43 Voltage



W0309B Comparison of SBE and Winkler Corrections

