

CRUISE REPORT

C-207

SCIENTIFIC ACTIVITIES

Woods Hole, MA – English Harbour, Antigua – Carriacou, Grenada – St. USVI

12 October - 19 November, 2006

SSV Corwith Cramer

**Sea Education Association
Woods Hole, Massachusetts**

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Data Description

This cruise report provides a record of data collected aboard the SSV *Corwith Cramer* during Cruise C-207 (U.S. State Department Cruise 2006-40). The cruise track of C-207 (Figure 1, Table 1) was a passage from Woods Hole MA to Antigua, Carriacou, and ending in St. Croix USVI. The CTD generated temperature and salinity cross sections from from 42°N to 12°N are shown in Figures 2 and 3. The temperature and salinity plot of the CTDs is shown in Figure 3, and the east component of ADCP derived current from 42°N to 12°N of C-207 is shown in figure 4. The cruise participants are listed in Table 2. Student projects aboard C-207 are listed in Table 3.

During the six week voyage we collected samples or data at 46 discrete oceanographic stations (Appendix A), and 56 surface stations (Appendix B). Summaries of sediment collections are listed in Appendix C. Chemical properties with depth are contained in Appendix D. The CTD information is listed in Appendix E and the profiles are illustrated in Appendix F. Summaries of biological net samples are contained in Appendix G. Appendices H and I respectively record the deployment of the bathyphotometer and the submersible McLane pump.

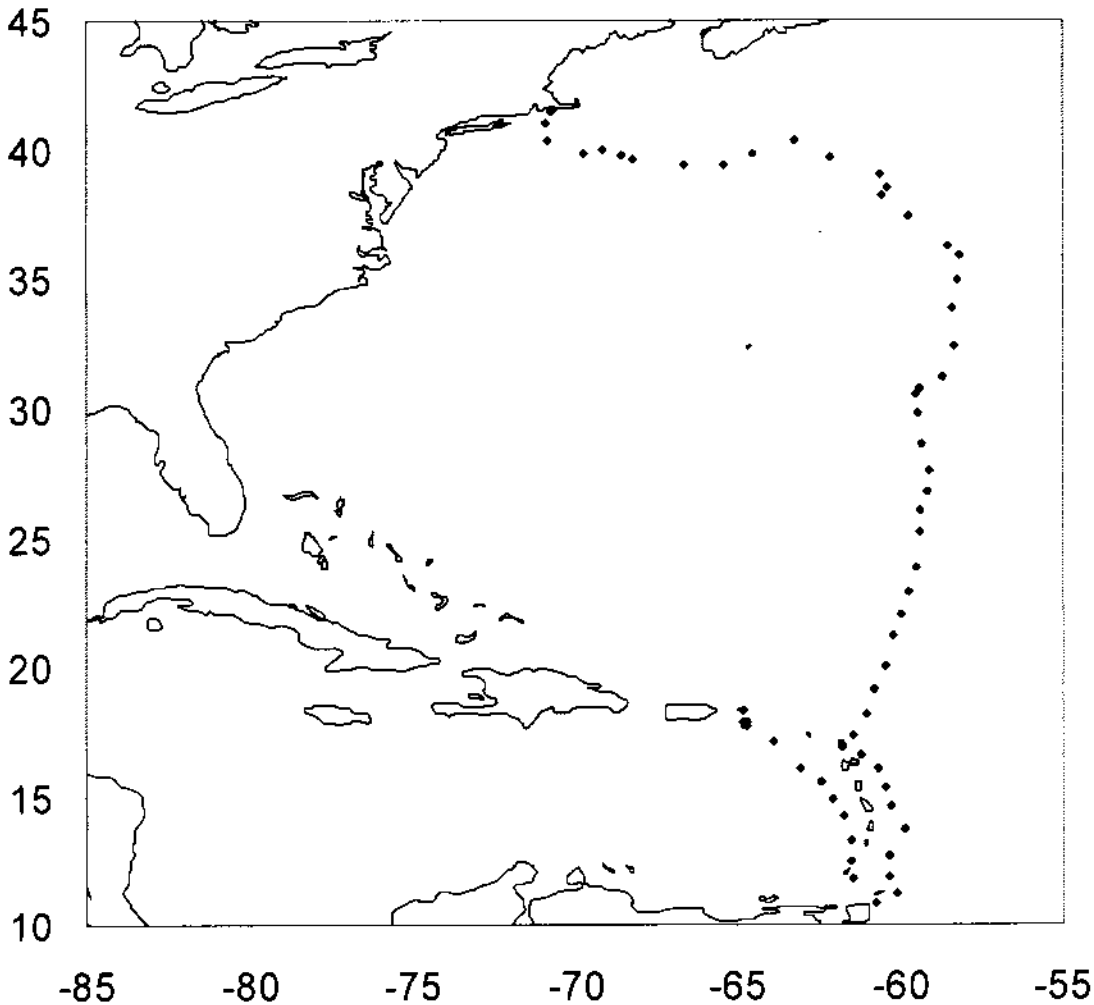


Figure 1. Cruise track of C-207. Noon and Midnight positions are indicated.

TABLE 1. C-207 NOON AND MIDNIGHT POSITIONS.

DATE	TIME	LAT.	LONG.	COMMENTS
2006	(local)	°N	°S	
12-Oct	1200	41°31.4' N	70°40.3' W	Alongside Woods Hole
13-Oct	0000	41°28.4' N	70°45.2' W	Anchored Tarpaulin Cove
	1200	41°28.4' N	70°45.2' W	Anchored Tarpaulin Cove
14-Oct	0000	41°0.8' N	70°52.7' W	
	1200	40°20.6' N	70°49.7' W	
15-Oct	0000	39°52.9' N	69°42.6' W	
	1200	40°1.6' N	69°8.2' W	
16-Oct	0000	39°45.8' N	68°35.7' W	
	1200	39°38.6' N	68°13.1' W	
17-Oct	0000	39°26.6' N	66°39.4' W	
	1200	39°22.6' N	65°24.0' W	
18-Oct	0000	39°51.5' N	64°33.0' W	
	1200	40°21.2' N	63°15.5' W	
19-Oct	0000	39°42.0' N	62°6.4' W	
	1200	39°1.4' N	60°37.6' W	
20-Oct	0000	38°33.8' N	60°23.0' W	
	1200	38°15.3' N	60°33.0' W	
21-Oct	0000	37°24.2' N	59°43.8' W	
	1200	36°15.5' N	58°30.4' W	
22-Oct	0000	35°53.5' N	58°8.7' W	
	1200	34°56.2' N	58°14.5' W	
23-Oct	0000	33°50.0' N	58°22.5' W	
	1200	32°22.4' N	58°19.7' W	
24-Oct	0000	31°9.9' N	58°41.8' W	
	1200	30°32.1' N	59°29.9' W	
25-Oct	0000	30°45.9' N	59°21.6' W	
	1200	29°47.5' N	59°27.2' W	
26-Oct	0000	28°37.6' N	59°18.8' W	
	1200	27°35.5' N	59°5.6' W	
27-Oct	0000	26°46.2' N	59°8.1' W	
	1200	26°1.7' N	59°21.6' W	
28-Oct	0000	25°13.2' N	59°23.0' W	
	1200	23°50.9' N	59°31.5' W	
29-Oct	0000	22°51.8' N	59°43.3' W	
	1200	21°57.8' N	59°59.5' W	
30-Oct	0000	21°8.7' N	60°10.6' W	

	1200	20°1.9' N	60°26.8' W	
31-Oct	0000	19°8.4' N	60°47.0' W	
	1200	18°11.4' N	61°1.8' W	
1-Nov	0000	17°21.2' N	61°24.2' W	
	1200	16°58.9' N	61°47.3' W	
2-Nov	0000	17°21.2' N	61°24.2' W	Med-moored English Harbour, Antigua
	1200	17°21.2' N	61°24.2' W	Med-moored English Harbour, Antigua
3-Nov	0000	17°21.2' N	61°24.2' W	Med-moored English Harbour, Antigua
	1200	17°21.2' N	61°24.2' W	Med-moored English Harbour, Antigua
4-Nov	0000	17°21.2' N	61°24.2' W	Med-moored English Harbour, Antigua
	1200	17°21.2' N	61°24.2' W	Med-moored English Harbour, Antigua
5-Nov	0000	17°0.5' N	61°47.0' W	Anchored, Falmouth, Antigua
	1200	16°54.2' N	61°48.5' W	
6-Nov	0000	16°35.8' N	61°12.2' W	
	1200	16°6.9' N	60°40.9' W	
7-Nov	0000	15°24.1' N	60°24.9' W	
	1200	14°37.3' N	60°15.9' W	
8-Nov	0000	13°46.0' N	59°52.1' W	
	1200	12°43.4' N	60°19.5' W	
9-Nov	0000	11°54.5' N	60°18.2' W	
	1200	11°17.0' N	60°4.0' W	
10-Nov	0000	10°53.7' N	60°44.1' W	
	1200	11°48.6' N	61°26.0' W	
11-Nov	0000	12°29.1' N	61°27.9' W	Anchored Hillsborough Carriacou
	1200	12°29.1' N	61°27.9' W	Anchored Hillsborough Carriacou
12-Nov	0000	12°29.1' N	61°27.9' W	Anchored Hillsborough Carriacou
	1200	12°29.1' N	61°27.9' W	Anchored Hillsborough Carriacou
13-Nov	0000	12°29.1' N	61°27.9' W	Anchored Hillsborough Carriacou
	1200	12°29.1' N	61°27.9' W	Anchored Hillsborough Carriacou
14-Nov	0000	13°20.3' N	61°30.4' W	
	1200	14°13.7' N	61°44.4' W	
15-Nov	0000	14°57.6' N	62°3.7' W	
	1200	15°36.9' N	62°26.7' W	
16-Nov	0000	16°6.3' N	62°3.7' W	
	1200	17°6.7' N	63°52.1' W	
17-Nov	0000	17°52.1' N	64°50.1' W	
	1200	18°20.7' N	64°48.1' W	
18-Nov	0000	18°18.7' N	64°50.1' W	Anchored Christmas Cove, Great St. James Is., USVI
	1200	18°18.7' N	64°50.1' W	Anchored Christmas Cove, Great St. James Is., USVI
19-Nov	0000	17°51.3' N	64°44.2' W	
	1200	17°44.8' N	64°41.9' W	Alongside Christiensted, St. Croix, USVI

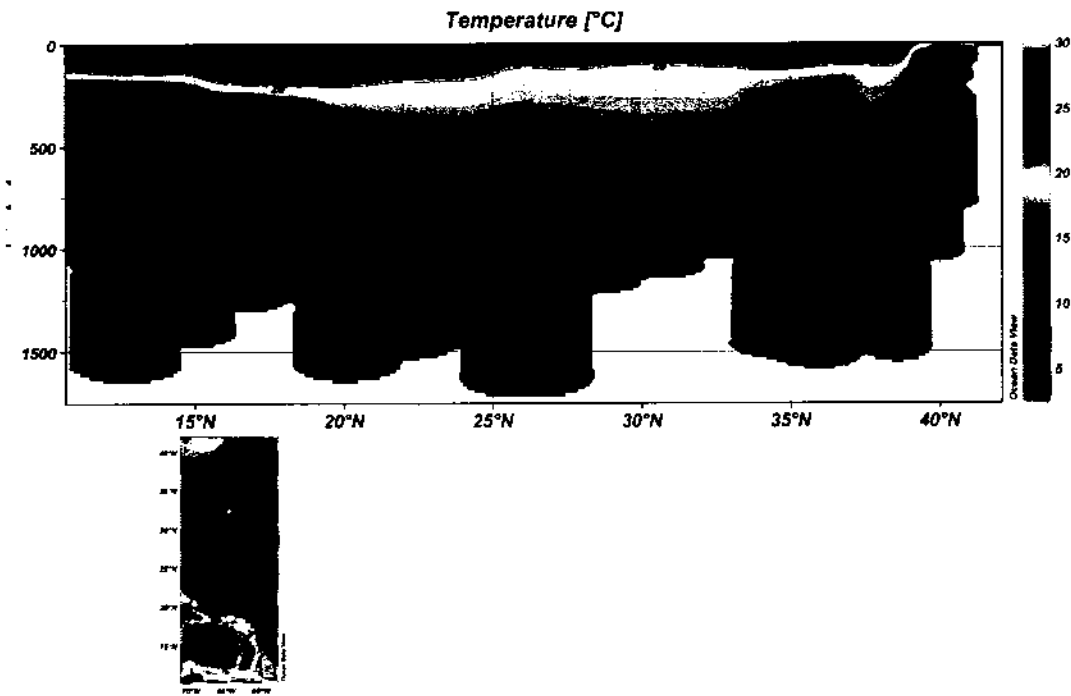


Figure 2. Temperature cross section from 42°N to 12°N on C-207. Small inset is the approximate cruise track from New England to south of Tobago.

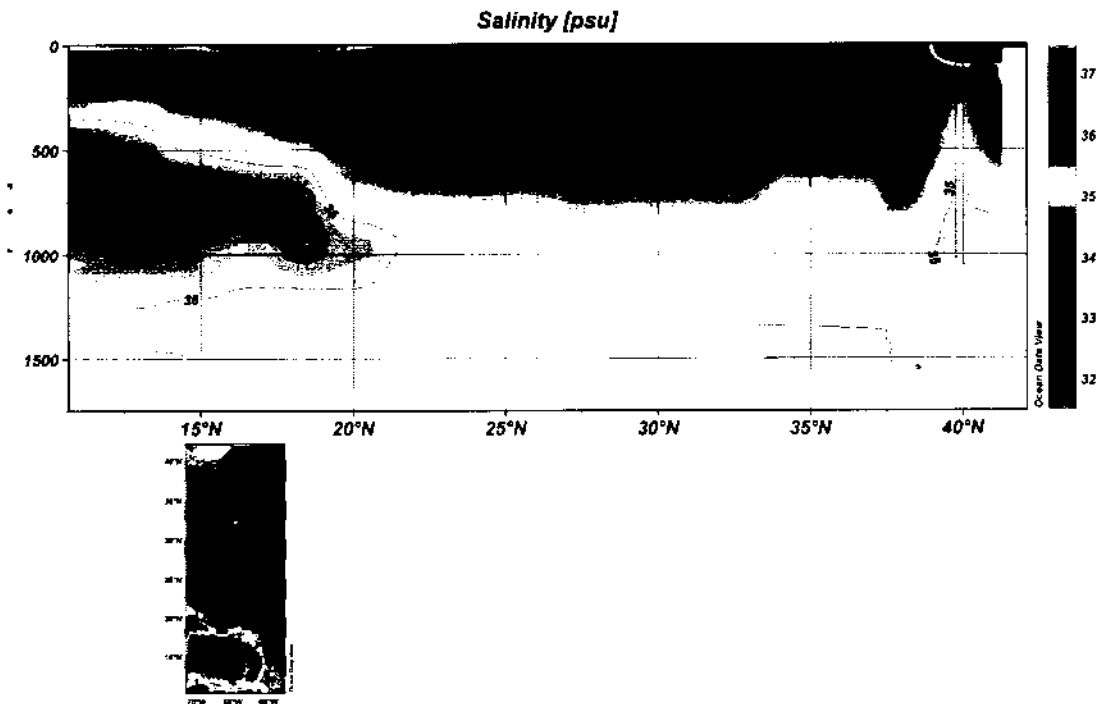


Figure 3. Salinity cross section from 42°N to 12°N C-207. Small inset is the approximate cruise track from New England to south of Tobago.

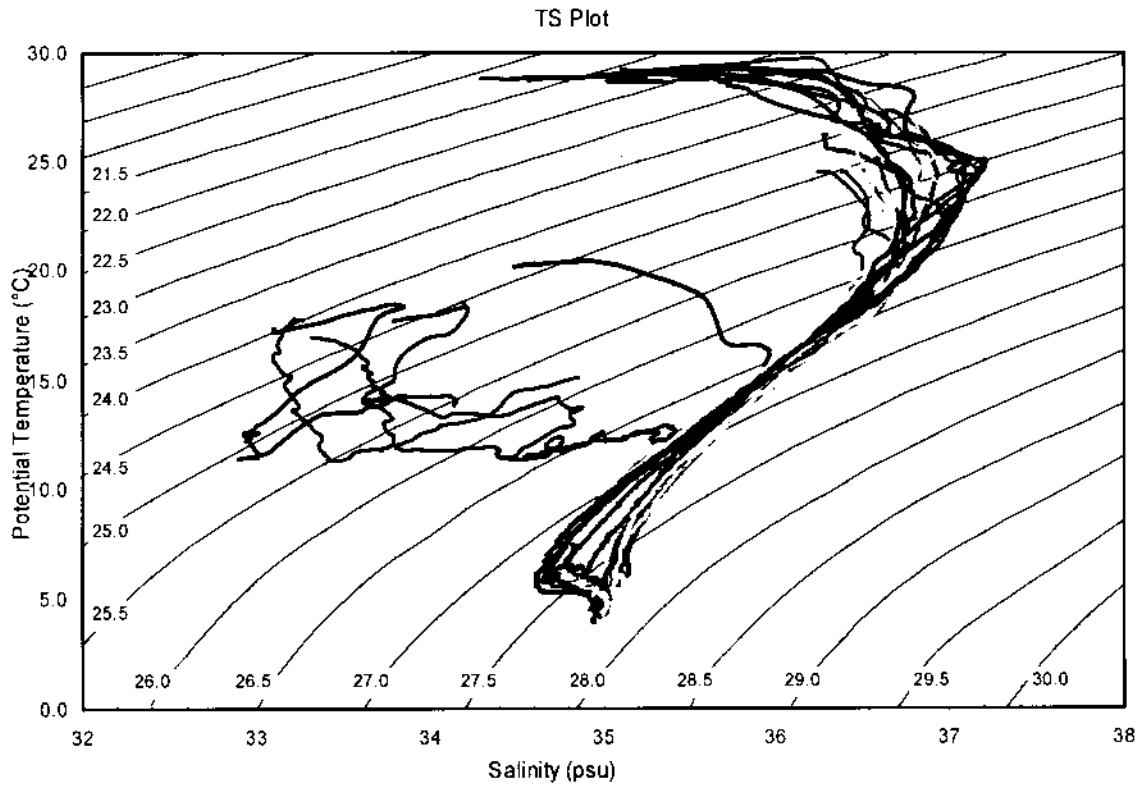


Figure 4. Temperature-Salinity Plot of CTDs taken on C-207. Isopycnals are superimposed on the grid.

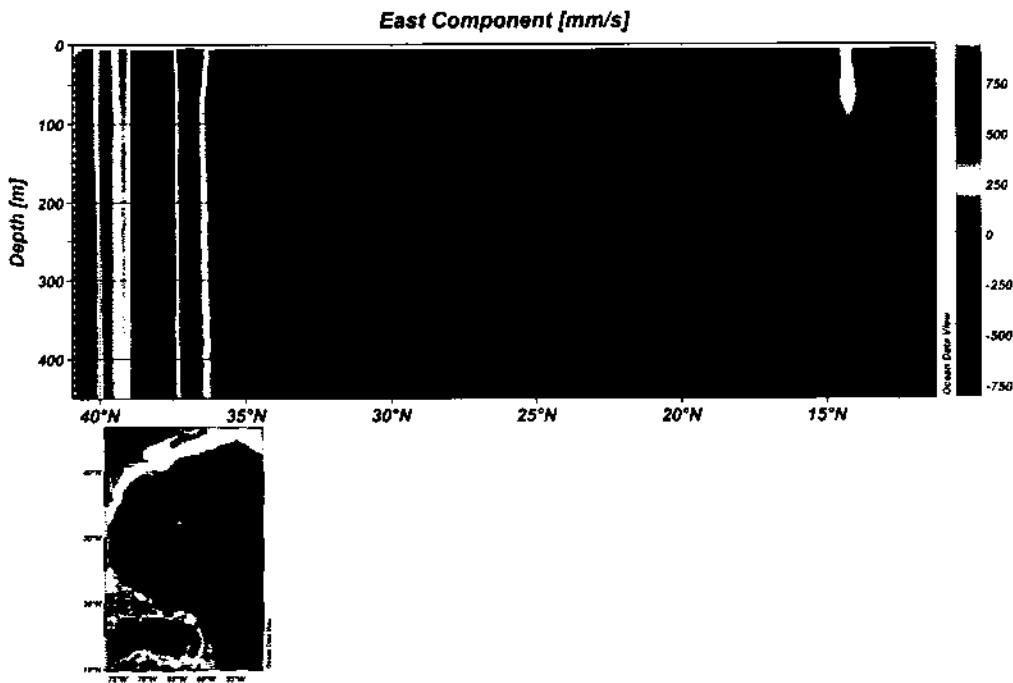


Figure 5. East Component of ADCP derived current from 42°N to 12°N of C-207. Small inset is the approximate cruise track from New England to south of Tobago.

Table 2. Ship's Complement for SSV *Corwith Cramer* Cruise C-207

Nautical Staff

Beth Doxsee	Captain
PJ Meyer	First Mate
Jed Deering	Second Mate
Sandy Aylesworth	Third Mate
Rick Hamilton	Engineer
Danielle Rioux	Steward

Scientific Staff

Chuck Lea	Chief Scientist
Matt Lambert	First Assistant Scientist
Skye Moret-Ferguson	Second Assistant Scientist
Kevin Martin	Third Assistant Scientist

Students

Matthew Allen	Univ of Calif, Sta. Barbara
Chad S. Bennett	Northeastern University
Scott Caras	Bowdoin College
Elizabeth O. Clark	Colby College
Theophilos Collins	Hamilton College
Taryn A. Hammer	Evergreen State College
William J. Hootstein	Roger Williams University
Davis W. Hudson	Lawrence University
Shawn M. Hunt	Northeastern University
Jose L. Lobon	University of Miami
Judith Meer	Barnard College
Caitlin C. Morrison	Sarah Lawrence College
Michael E. Ogden-Schuette	DePaul University
Aaron Paul	Reed College
Adam J. Plourde	Colorado College
Dana E. Powell	Wesleyan University
Kathryn M. Rodgers	Trinity College-CT
Andrew O. Rudersdorf	Creighton University
Christopher H. Seward	University of Rochester
Austin D. Sigety	Colgate University
Chris F. Wearn	Middlebury College
Peter J. Whicker	Eckerd College
Nicole A. Zelenski	Bryn Mawr College

Table 3. Student Projects Aboard C-207

Physical Oceanography

Geostrophic Currents Boundaries in the Western Atlantic	Andrew Rudersdorf & Austin Sigety
The Identification and Analysis of Eddies on the cruise track of the class C-207	Jose Lobon
Climate Prediction Using the Wind-Mixed Layer of the Western North Atlantic Ocean	Adam Plourde
NADW & AAIW: Intermediate Water Movement in the North Atlantic	Christopher Seward & Christopher Wearn
Salinity Max Water Identification and Circulation	Shawn Hunt & Chad Bennett

Biological Oceanography

Vertical and geographical distribution and composition of diatoms and dinoflagellates in the Atlantic	Nicki Ann Zelenski
Zooplankton Composition and Sampling Technique from the Temperate Slope to the Tropics	Matt Allen
Bioluminescence Distribution Along the 60th Meridian From the Northern Sargasso Sea to the Tropics	Davis Hudson & Peter Whicker
Variables Affecting Geographical Distributions of Atlantic Foraminifera and Radiolaria	Theophilos Collins & Dana Powell
<i>Halobates micans</i> : Abundance and Distribution in North Atlantic Ecosystems	Judith Meer & Aaron S. Paul
Euthecosomata Pteropod Distribution by Region in the Northwest Atlantic	Taryn Hammer & Caitlin Morrison
Tracking Leptocephali in the Western North Atlantic	Katie Rodgers
Myctophids' Fall Distribution In the Northwest Atlantic	Scott Caras & Will Hootstein

Oceanic Pollution Studies

Plastic Pollution in the North Atlantic	Liz Clark & Mike Ogden-Schuette
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APPENDIX A

STATION INFORMATION SUMMARY OF C-207

STATION	DATE	LOG (NM)	LAT. (°N)	LONG. (°W)	GENERAL LOCALE	EQUIPMENT
C-207 001	14-Oct-06	84.0	40°20.0'	70°50.5'	Shelf	CTD Neuston Net
002	14-Oct-06	90.9	40°22.1'	70°42.5'	Shelf	CTD
003	15-Oct-06	147.9	39°52.9'	69°42.2'	Shelf	Neuston Net
004	15-Oct-06	176.8	40°1.5'	69°8.8'	Shelf Break-Hydrographer's Canyon	CTD Neuston Net Phytoplankton Net
005	15-Oct-06	206.3	39°46.4'	68°36.6'	Slope Water	CTD Meter Nets
006	16-Oct-06	222.7	39°40.4'	68°12.8'	Slope Water	CTD Secchi Disc Niskin Bottles Phytoplankton Net McLane Pump Meter Net Neuston Net
007	17-Oct-06	302.5	39°26.3'	66°33.9'	Slope Water	Neuston Net
008	17-Oct-06	356.6	39°22.2'	65°24.2'	Gulf Stream	CTD Bathypotometer Neuston Net
009	18-Oct-06	391.2	39°51.7'	64°33.4'		Neuston Net
010	18-Oct-06	434.5	40°20.9'	63°16.2'	Gulf Stream	CTD Neuston Net
011	19-Oct-06	576.7	38°37.2'	60°26.8'	Nothern Sargasso Sea	CTD Niskin Bottle Bathypotometer Meter Net Neuston Net
012	20-Oct-06	590.0	38°15.3'	60°31.9'	Nothern Sargasso Sea	CTD Niskin Bottles Secchi Disc Phytoplankton Net McLane Pump Meter Net
013	21-Oct-06	724.0	35°55.3'	58°12.9'	Nothern Sargasso Sea	CTD Niskin Bottles

014	21-Oct-06	724.3	35°53.5'	58°8.7'	Nothern Sargasso Sea	Neuston Net
015	22-Oct-06	760.3	34°56.9'	58°17.4'	Nothern Sargasso Sea	CTD Niskin Bottles Phytoplankton Net Neuston Net
016	23-Oct-06	928.9	31°55.2'	58°20.8'	Nothern Sargasso Sea	CTD
017	24-Oct-06	1041.5	30°29.9'	59°30.3'	Nothern Sargasso Sea	CTD
018	24-Oct-06	1048.9	30°43.5'	59°24.9'	Nothern Sargasso Sea	Bathyphtometer
019	25-Oct-06	1097.8	29°47.4'	59°26.7'	Nothern Sargasso Sea	CTD Niskin Bottle Neuston Net
020	26-Oct-06	1156.4	28°37.9'	59°18.2'	Nothern Sargasso Sea	Neuston Net
021	26-Oct-06	1216.8	27°35.7'	59°5.2'	Southern Sargasso Sea	CTD Niskin Bottles Neuston Net
022	26-Oct-06	1255.6	1255.6°26.53'	5°59.5'	Southern Sargasso Sea	Meter Nets
023	27-Oct-06	1266.3	26°45.8'	59°8.3'	Southern Sargasso Sea	Neuston Net
024	27-Oct-06	1308.4	26°0.8'	59°20.2'	Southern Sargasso Sea	CTD Secchi Disc Niskin Bottles Phytoplankton Net McLane Pump Meter Net Neuston Net
025	27-Oct-06	1339.5	25°29.6'	59°29.9'	Southern Sargasso Sea	Bathyphtometer Meter Nets Neuston Net
026	28-Oct-06	1442.5	23°50.6'	59°31.7'	Southern Sargasso Sea	CTD Neuston Net
027	29-Oct-06	1505.5	22°51.6'	59°47.9'	Southern Sargasso Sea	Neuston Net
028	29-Oct-06	1559.4	21°57.3'	60°0.2'	Subtropical/Tropical Transition	CTD Niskin Bottles Phytoplankton Net Neuston Net
029	29-Oct-06	1596.9	21°19.2'	60°8.2'	Subtropical/Tropical Transition	Meter Nets Neuston Net
030	30-Oct-06	1679.2	20°1.7'	60°26.8'	Subtropical/Tropical Transition	CTD Niskin Bottles Neuston Net
031	30-Oct-06	1733.4	19°13.4'	60°42.4'	Subtropical/Tropical Transition	Bathyphtometer Meter Net
032	30-Oct-06	1733.7	19°9.8'	60°42.5'	Subtropical/Tropical Transition	Neuston Net

033	31-Oct-06	1795.0	18°8.0'	61°8.8'	Subtropical/Tropical Transition	CTD Secchi Disc Niskin Bottles Phytoplankton Net McLane Pump Meter Net Neuston Net
034	6-Nov-06	1972.2	16°35.8'	61°11.2'	Tropical Water	CTD
035	6-Nov-06	2025.9	16°6.6'	60°41.2'	Tropical Water	Neuston Net
036	7-Nov-06	2078.6	15°23.8'	60°25.1'	Tropical Water	Neuston Net
037	7-Nov-06	2126.7	14°37.0'	60°16.0'	Tropical Water	CTD Niskin Bottles Neuston Net
038	7-Nov-06	2070.1	14°0.4'	59°58.2'	Tropical Water	Meter Nets
039	8-Nov-06	2186.5	13°44.7'	59°53.2'	Tropical Water	Shipek Grab Neuston Net
040	8-Nov-06	2243.0	12°42.9'	60°20.3'	Tropical Water	CTD Niskin Bottles Phytoplankton Net Neuston Net
041	8-Nov-06	2279.5	12°7.5'	60°18.1'	Tropical Water	Meter Nets
042	9-Nov-06	2352.1	11°16.5'	60°8.1'	Tropical Water	CTD Secchi Disc Niskin Bottles Phytoplankton Net McLane Pump Meter Net Neuston Net
043	13-Nov-06	2551.7	13°11.1'	61°24.7'	Tropical Caribbean	CTD
044	14-Nov-06	2609.9	14°13.8'	61°42.6'	Tropical Caribbean	CTD Neuston Net
045	14-Nov-06	2651.0	14°57.7'	62°3.7'	Tropical Caribbean	Neuston Net
046	15-Nov-06	2682.9	15°26.8'	62°19.1'	Tropical Caribbean	CTD

APPENDIX B C-207 Surface

Stations

Station	Date	Log	Latitude	Longitude	Temp	Salinity	Fluorescence	PO4	Chl-a
		NM	°N	°W	°C	PSU	Relative (<i>In vivo</i>)	µg/l	µg/l
001	13-Oct-06	0.0	41°27.9'	70°44.4'	17.1	31.86	1412	1.03	5.084
002	13-Oct-06	24.5	41°19.0'	70°54.0'	16.5	32.03	2038	0.93	5.514
003	14-Oct-06	44.0	40°44.3'	70°55.4'	17.8	33.40	1097	0.61	0.877
004	14-Oct-06	56.0	40°35.7'	70°55.3'	19.1	34.21	840	0.36	0.895
005	14-Oct-06	64.2	40°35.7'	70°55.3'	18.6	34.02	810	0.47	0.608
006	14-Oct-06	104.2	40°20.1'	70°25.8'	16.5	32.73	1017	0.54	0.334
007	14-Oct-06	143.5	39°57.0'	69°44.8'	17.6	33.28	581	0.44	0.088
008	15-Oct-06	176.8	40°1.5'	69°8.8'	17.0	33.30	375	0.40	0.021
009	16-Oct-06	215.8	39°44.5'	68°26.4'	19.8	34.41	314	0.68	0.019
010	16-Oct-06	260.1	39°31.9'	67°29.6'	23.9	35.99	674	-	-
011	17-Oct-06	303.1	39°26.1'	66°37.3'	21.6	33.16	468	0.37	0.238
012	17-Oct-06	343.3	39°26.0'	65°36.5'	27.0	36.25	179	0.21	0.065
013	17-Oct-06	382.3	39°40.2'	64°52.8'	25.6	36.22	172	0.17	0.025
014	18-Oct-06	429.0	40°22.2'	63°23.0'	26.6	36.22	164	0.16	0.095
015	19-Oct-06	519.5	39°18.2'	61°25.7'	25.7	35.76	357	0.13	0.191
016	19-Oct-06	559.5	38°54.1'	60°24.5'	24.2	36.38	140	0.15	0.043
017	20-Oct-06	605.0	38°7.9'	60°18.6'	24.7	36.35	157	0.14	0.099
018	21-Oct-06	692.1	36°37.6'	58°50.9'	24.9	36.41	134	0.18	0.072
019	22-Oct-06	732.4	35°37.9'	58°9.0'	24.6	36.34	180	0.17	0.020
020	22-Oct-06	800.8	34°14.1'	58°24.2'	24.9	36.43	125	0.35	0.012
021	23-Oct-06	840.0	33°23.8'	58°21.2'	25.5	36.66	182	0.18	0.020
022	23-Oct-06	879.4	32°46.6'	58°20.1'	24.8	36.43	101	0.13	0.036
023	23-Oct-06	920.0	32°5.2'	58°28.3'	25.7	36.62	94	0.30	0.116
024	23-Oct-06	960.3	31°24.8'	58°30.5'	26.1	36.73	109	0.20	0.103
025	24-Oct-06	1000.6	30°51.0'	58°56.5'	25.9	36.55	116	0.24	0.098
026	24-Oct-06	1041.5	30°30.4'	59°30.4'	26.1	36.41	110	0.24	0.088
027	25-Oct-06	1080.1	30°7.9'	59°29.2'	25.9	36.49	122	0.19	0.086
028	25-Oct-06	1122.7	29°19.4'	59°21.3'	26.1	36.60	97	0.15	0.077
029	26-Oct-06	1162.2	28°32.4'	59°16.6'	26.0	36.46	102	0.21	0.104
030	26-Oct-06	1201.1	27°50.1'	59°10.1'	27.1	36.68	101	0.13	0.112
031	26-Oct-06	1241.0	27°10.4'	59°2.7'	27.4	36.70	99	0.19	0.085
032	27-Oct-06	1281.0	26°30.5'	59°15.9'	26.5	36.67	98	0.09	0.096
033	27-Oct-06	1321.0	25°48.2'	59°20.2'	26.7	36.69	94	0.07	0.095
034	28-Oct-06	1369.5	24°59.4'	59°24.2'	26.7	36.72	73	0.13	0.098
035	28-Oct-06	1409.0	24°20.4'	59°26.5'	28.2	36.45	97	0.16	0.108
036	28-Oct-06	1442.5	23°51.0'	59°30.9'	28.1	36.32	62	0.21	0.111
037	28-Oct-06	1482.0	23°13.4'	59°39.0'	28.1	36.33	91	0.07	0.077
038	29-Oct-06	1523.2	22°33.8'	59°48.2'	28.2	36.43	75	0.03	0.083
028-HC	29-Oct-06	1558.8	21°58.1'	59°58.1'	28.1	36.37	56	0.40	0.017
039	29-Oct-06	1597.5	21°18.6'	60°8.5'	28.3	35.79	95	0.01	0.079
040	30-Oct-06	1639.1	30°38.9'	60°16.5'	28.7	34.97	91	0.04	0.090
041	30-Oct-06	1678.9	20°2.6'	60°24.1'	28.8	35.05	77	0.06	0.098
042	30-Oct-06	1719.1	19°26.2'	60°37.9'	28.8	34.73	82	0.02	0.090
043	31-Oct-06	1761.2	18°40.6'	60°53.0'	28.8	34.92	93	0.07	0.103
033-HC	31-Oct-06	1794.4	18°10.3'	61°6.7'	28.8	34.54	74	0.03	0.046
044	1-Nov-06	1836.6	17°20.7'	61°25.0'	29.0	34.34	87	0.13	0.118
045	1-Nov-06	1884.7	16°54.8'	61°39.7'	29.1	34.34	94	0.07	0.123

046	5-Nov-06	1949.1	16°34.0'	61°31.5'	29.0	34.55	133	0.08	0.088
047	6-Nov-06	1989.0	16°32.4'	60°57.5'	28.9	34.55	105	0.06	0.019
048	6-Nov-06	2025.7	16°7.5'	60°39.5'	28.9	34.42	106	0.03	0.153
049	6-Nov-06	2065.7	15°34.4'	60°30.0'	29.0	34.78	111	0.00	0.061
050	7-Nov-06	2101.5	15°1.5'	60°20.3'	28.8	35.17	119	0.08	0.032
037-HC	7-Nov-06	2126.0	14°38.1'	60°14.8'	28.9	35.31	97	0.10	0.022
SS051	7-Nov-06	2143.7	14°22.0'	60°11.1'	29.0	35.48	123	0.23	0.172
SS052	7-Nov-06	2184.0	13°47.4'	59°52.3'	28.9	35.51	132	0.04	0.019
SS053	8-Nov-06	2224.3	13°4.5'	60°11.5'	28.9	35.31	108	0.00	0.107
SS054	8-Nov-06	2268.2	12°17.3'	60°17.5'	29.0	35.36	134	0.00	0.060
SS055	9-Nov-06	2310.0	11°38.8'	60°13.3'	29.1	35.48	111	0.02	0.013
042-HC	9-Nov-06	2351.4	11°17.9'	60°5.0'	29.3	35.15	61	0.03	0.046
056	9-Nov-06	2391.3	10°52.8'	60°41.7'	29.2	35.24	132	0.16	0.015

APPENDIX C. C-207 SEDIMENT SAMPLES

Shipek Grab Stations

STATION #	DATE	TIME	LOG	LAT.	LONG.	GENERAL LOCAL	DEPTH	DESCRIPTION
	2006	(local)	(nm)	(°N)	(°W)		(m)	
039	8-Nov-06	0014	2186. 0	13°45.7'	59°52.5'	NW of Barbados	492	Foraminiferal ooze Moderate Yellowish Brown Sandy, angular with some rounded grains

APPENDIX D. C-207 HYDROCAST DATA. Dash (-) indicates no value. Station locations are given in Appendix A.

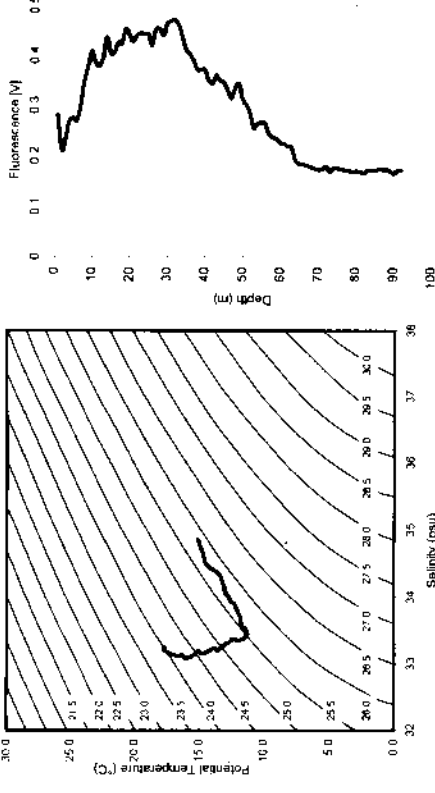
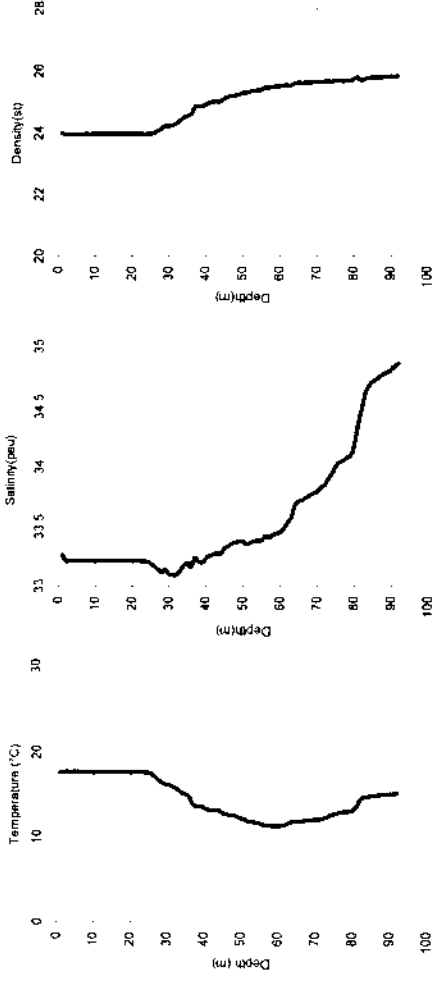
STATION	BOTTLE	DEPTH	TEMP.	SAL.	DENSITY	OXYGEN	PHOSPHATE	CHLOR.	SILICATE
C-207		(m)	(°C)	(PSU)	(σ_t)	(ml/l)	($\mu\text{g/l}$)	($\mu\text{g/l}$)	($\mu\text{M/l}$)
C207-006-HC	13	0	20.4	34.6	24.32	5.683	-	0.208	5.61
Slope Water	12	11	20.2	34.6	24.36	5.709	0.143	0.196	7.90
Secchi depth: 22m	11	25	20.2	34.6	24.36	5.772	0.199	0.196	6.58
	9	60	16.5	35.8	26.25	1.895	0.639	0.209	16.26
	8	70	16.2	36	26.46	4.183	0.7	0.128	14.2
	7	100	14.2	35.9	26.81	2.938	0.922	0.074	15.12
	6	149	12.0	35.6	27.04	3.777	1.471	-	16.31
	5	298	7.9	35.1	27.40	4.323	1.778	-	19.96
	4	496	5.3	35	27.64	5.175	1.491	-	14.98
	3	793	4.4	35	27.72	6.611	1.392	-	15.00
	2	991	4.1	35	27.74	6.916	1.318	-	14.49
	1	1190	3.9	35	27.76	6.916	1.352	-	17.59
C207-011-HC	1	1488	4.5	35	27.70	6.360	0.526	-	-
Northern Sargasso Sea									
C207-012-HC	13	0	24.6	36.4	24.54	5.442	0.041	0.173	1.53
Northern Sargasso Sea	12	26	24.5	36.4	26.01	4.666	0.041	0.105	12.16
Secchi depth: 28m	11	50	24.5	36.4	24.55	4.272	0.043	0.136	2.49
	9	98	20.3	36.7	25.98	3.865	0.059	0.172	6.21
	8	124	19.1	36.6	26.25	4.717	0.268	0.051	4.00
	7	149	18.7	36.6	26.34	5.200	0.238	0.017	2.08
	6	198	18.4	36.6	26.41	4.158	0.422	-	2.65
	5	247	18.2	36.6	26.44	3.891	0.268	-	1.88
	4	298	18.0	36.6	26.47	5.276	0.293	-	2.42
	3	347	17.8	36.5	26.49	4.844	0.367	-	6.40
	2	447	16.8	36.3	26.60	4.717	0.694	-	8.28
	1	496	16.0	36.2	26.68	6.357	1.451	-	7.90
C207-013-HC	2	909	6.3	35.1	27.62	5.416	1.733	-	13.27
Northern Sargasso Sea	1	1512	4.1	35	27.78	6.547	1.352	-	16.23
C207-015-HC	2	887	6.3	35.1	27.60	3.830	1.610	-	13.02
Northern Sargasso Sea	1	1487	4.1	35	27.80	4.850	1.412	-	17.29
C207-019-HC	1	1104	6.0	35.1	27.67	2.330	0.136	-	16.16
Northern Sargasso Sea									
C207-021-HC	1	1180	6.0	35.1	27.67	3.80	0.127	-	16.52
Southern Sargasso Sea									
C207-024-HC	1	5	26.4	36.73	24.21	5.62	0.410	0.042	5.99
Southern Sargasso Sea									
C207-028-HC	2	882	7.6	35	27.37	3.760	1.575	-	18.77
	1	1482	4.4	35	27.77	5.350	1.446	-	19.06
C207-030-HC	12	99	25.1	37	24.81	-	0.120	-	3.49

Subtrop.-Trop.Transition	11	344	17.3	36.4	26.54	5.28	0.461	-	2.99
	9	595	11.1	35.4	27.06	4.82	1.516	-	10.95
	8	704	9.7	35.3	27.25	3.65	1.545	-	15.39
	7	754	8.9	35.2	27.29	3.64	1.808	-	17.66
	6	802	8.1	35.1	27.35	3.51	1.772	-	16.23
	5	853	7.4	35	27.38	3.80	2.045	-	17.11
	4	901	6.8	35	27.43	3.90	2.214	-	17.50
	3	1001	6.0	34.9	27.50	3.80	2.090	-	17.51
	2	1219	5.3	35	27.67	4.27	1.615	-	16.31
	1	1486	4.5	35	27.77	5.09	1.461	-	16.46
C207-033-HC	13	0	28.8	34.57	21.81	5.060	0.034	0.046	4.88
Subtrop.-Trop.Transition	12	25	28.7	34.5	21.80	5.060	0.002	0.046	9.08
Secchi depth: 33m	11	49	29.6	36.3	22.80	5.100	0.018	0.074	16.83
	9	74	27.2	36.5	23.81	5.290	0.002	0.186	3.95
	8	88	26.3	36.6	24.18	4.950	0.008	0.306	2.89
	7	99	25.8	36.8	24.47	4.920	0.034	0.340	4.85
	6	113	25.3	37	24.72	4.950	0.129	0.193	3.41
	5	124	25.1	37	24.86	4.790	0.139	0.117	13.89
	4	148	23.9	37.1	25.25	4.870	0.144	0.022	2.91
	3	198	20.5	36.9	26.05	4.220	0.278	-	7.64
	2	297	16.7	36.3	26.57	4.120	0.679	-	6.75
	1	892	6.5	34.8	27.34	3.430	2.219	-	16.91
C207-037-HC	2	822	5.9	34.70	27.34	3.45	3.45	-	15.35
Tropical Water	1	1422	4.6	35.02	27.76	2.29	2.29	-	-
C207-040-HC	13	0	28.9	35.36	22.37		0.034	-	9.61
Tropical Water	12	98.617	26.855	36.6	23.957		0.116	-	4.16
Secchi depth:	11	219	15.223	35.9	26.6368	4.91	0.905	-	12.40
	9	298	11.736	35.3	26.8935	4.06	2.035	-	13.79
	8	397	9.5277	35	27.0284	3.64	2.618	-	14.41
	7	555	7.5446	34.7	27.1452	3.38	2.830	-	14.42
	6	655	6.7308	34.7	27.2162	3.42	2.871	-	15.07
	5	764	5.8635	34.6	27.2682	3.71	3.372	-	15.20
	4	893	5.5387	34.7	27.3527	3.70	3.146	-	15.24
	3	1017	5.2748	34.8	27.4619	3.57	2.899	-	15.26
	2	1358	4.6437	35	27.7396	4.04	1.980	-	14.87
	1	1486	4.1584	35	27.7799	6.13	1.713	-	15.13
C207-042_HC	13	0	29	35.13	22.09	4.90	0.034	0.046	10.73
Tropical Water	12	25.658	29.135	35.1	22.1224	4.87	0.000	0.015	13.34
Secchi depth: 33m	9	60.226	26.871	36.5	23.9137	5.30	0.820	0.062	10.43
	8	79.294	25.228	37.1	24.8504	4.91	0.055	0.049	12.68
	7	88.898	24.375	37.1	25.0888	4.65	0.007	0.237	11.05
	6	99.385	23.656	37.1	25.3283	4.72	0.103	0.084	12.78
	5	123.994	20.295	36.7	25.9776	3.70	0.582	0.042	12.10
	4	149.054	18.062	36.5	26.4199	3.92	0.795	0.001	13.23
	3	197.956	14.753	35.8	26.6701	3.40	1.316	0.001	9.73
	2	248.533	13.337	35.7	26.8538	3.57	1.686	-	12.32
	1	495.556	7.1447	34.7	27.1806	3.57	3.050	-	15.16

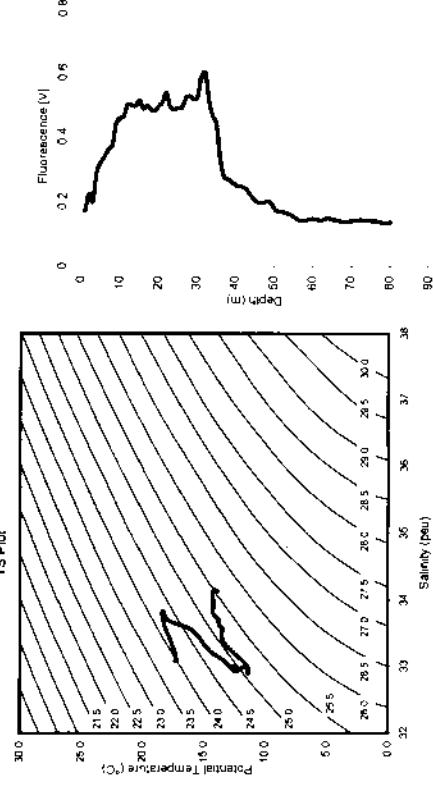
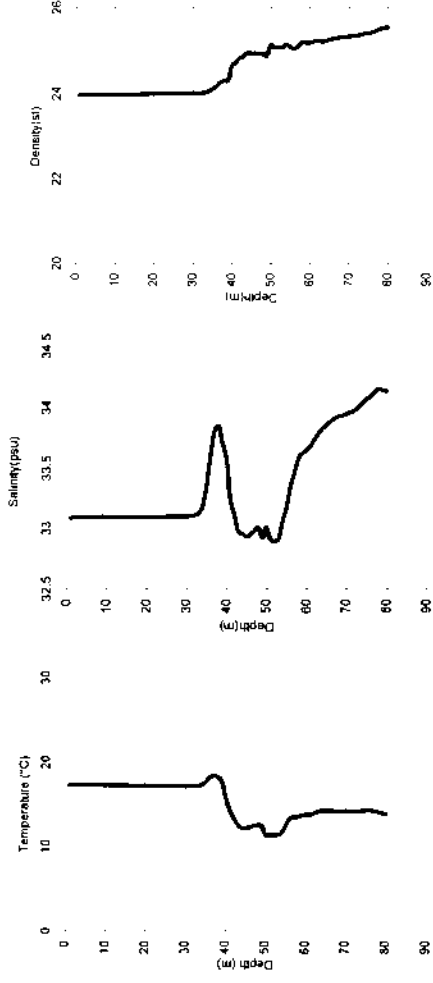
APPENDIX E. C-207 CTD STATION SUMMARY

STATION	DATE	LOG	LAT.	LONG.	DEPTH	GENERAL LOCATION
C-207	2006	(nm)	(°N)	(°W)	(m)	
001	14-Oct-06	84.0	40°20.0'	70°50.5'	92	Shelf
002	14-Oct-06	90.9	40°22.1'	70°42.5'	80	Shelf
004	15-Oct-06	176.8	40°1.5'	69°8.8'	177	Shelf Break-Hydrographer's Canyon
005	15-Oct-06	206.3	39°46.4'	68°36.6'	1026	Slope Water
006	16-Oct-06	222.7	39°40.4'	68°12.8'	1230	Slope Water
008	17-Oct-06	356.6	39°22.2'	65°24.2'	1000	Gulf Stream
010	18-Oct-06	434.5	40°20.9'	63°16.2'	791	Gulf Stream
011	19-Oct-06	576.7	38°37.2'	60°26.8'	1492	Nothern Sargasso Sea
012	20-Oct-06	590.0	38°15.3'	60°31.9'	611	Nothern Sargasso Sea
013	21-Oct-06	724.0	35°55.3'	58°12.9'	1522	Nothern Sargasso Sea
015	22-Oct-06	760.3	34°56.9'	58°17.4'	1487	Nothern Sargasso Sea
016	23-Oct-06	928.9	31°55.2'	58°20.8'	1023	Central Sargasso Sea
017	24-Oct-06	1041.5	30°29.9'	59°30.3'	831	Central Sargasso Sea
019	25-Oct-06	1097.9	29°48.1'	59°28.7'	1110	Central Sargasso Sea
021	26-Oct-06	1216.4	27°36.0'	59°7.6'	1185	Southern Sargasso Sea
024	27-Oct-06	1307.0	26°3.0'	59°22.0'	1652	Southern Sargasso Sea
026	28-Oct-06	1442.5	23°51.0'	59°30.8'	1083	Southern Sargasso Sea
028	29-Oct-06	1558.8	21°58.1'	59°58.1'	1482	Southern Sargasso Sea
030	30-Oct-06	1678.6	20°2.6'	60°24.9'	1576	Subtropical/Tropical Transtion
033	31-Oct-06	1794.9	19°16.3'	61°6.7'	1100	Subtropical/Tropical Transtion
034	6-Nov-06	1972.2	16°35.8'	61°11.2'	1263	Tropical Water 1
035	6-Nov-06	2025.7	16°7.7'	60°39.1'	1027	Tropical Water 2
037	7-Nov-06	2126.0	14°38.1'	60°14.8'	1427	Tropical Waters
040	8-Nov-06	2242.8	12°44.5'	60°17.2'	1598	Tropical Waters
042	9-Nov-06	2351.4	11°17.9'	60°5.0'	1081	Tropical Waters

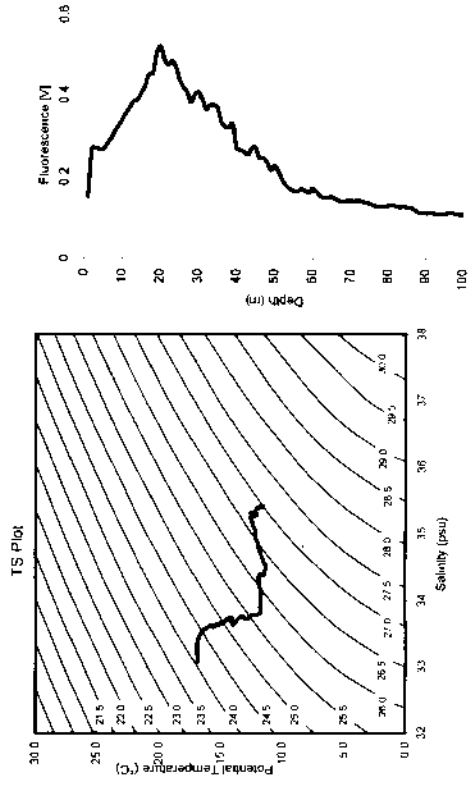
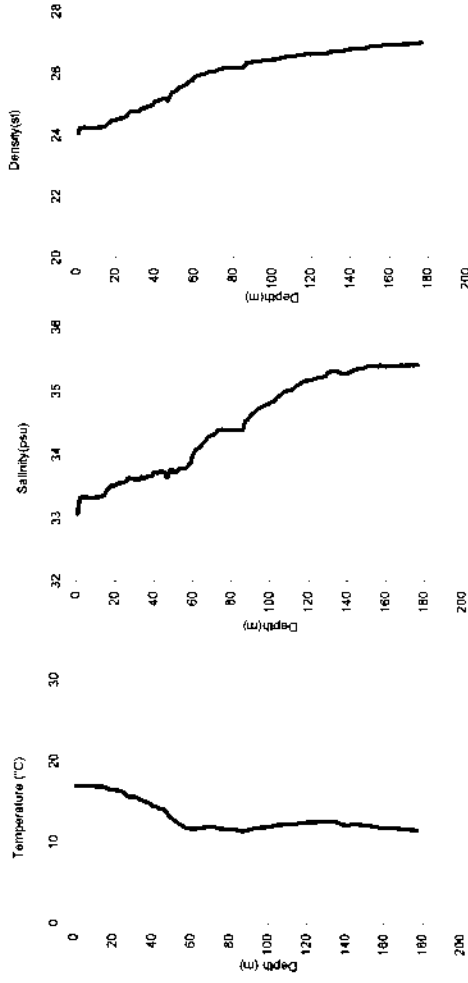
C207 CTD 001 Continental Shelf 1



C207 CTD 002 Continental Shelf 2

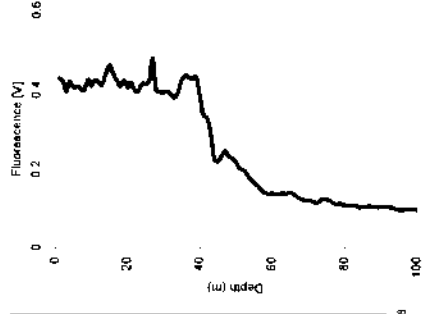
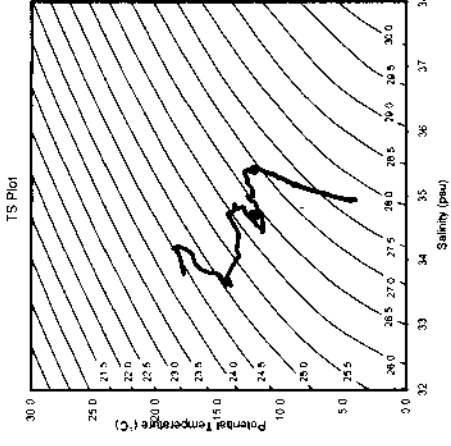
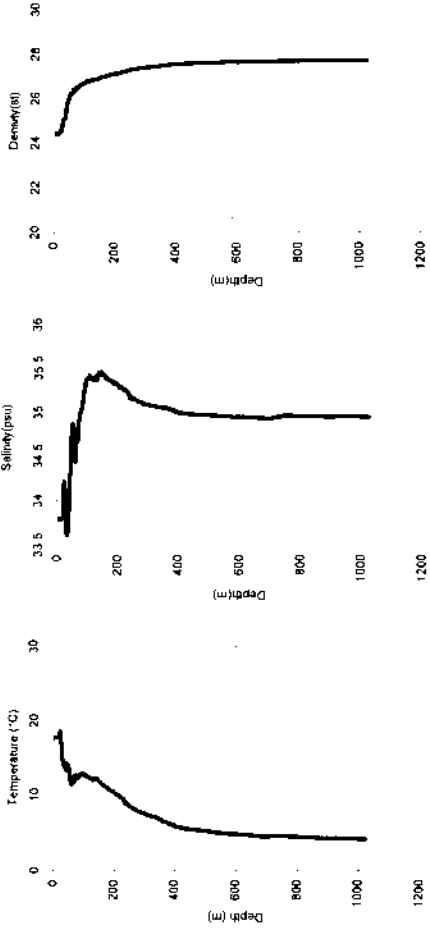


CTD 004 Continental Shelf/Slope Break

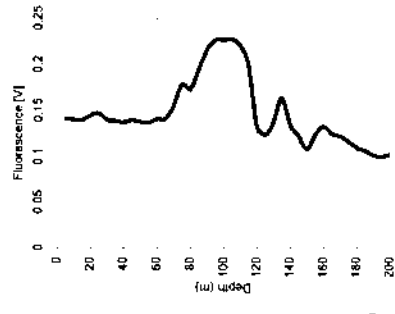
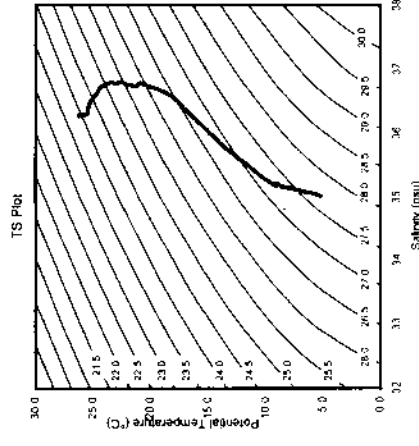
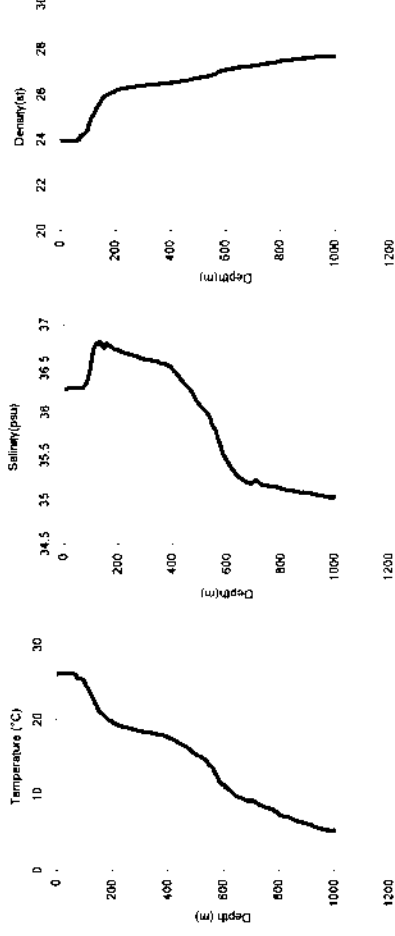
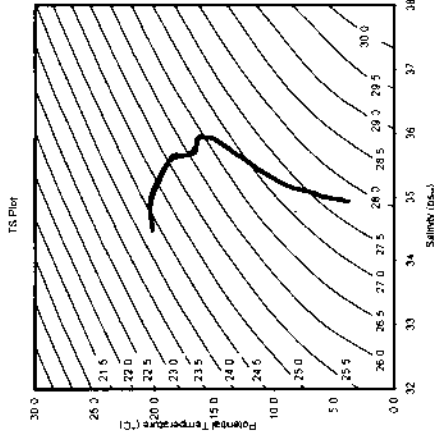
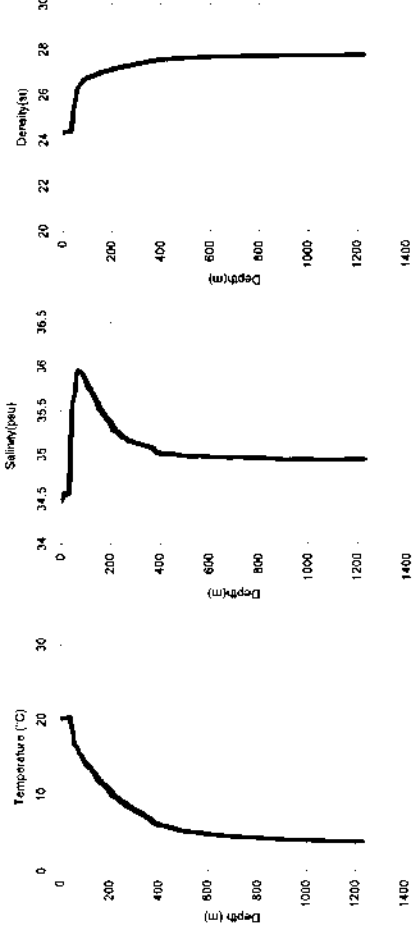


Appendix F. CTD Station Profiles (cont.)

CTD 005 Slope Water

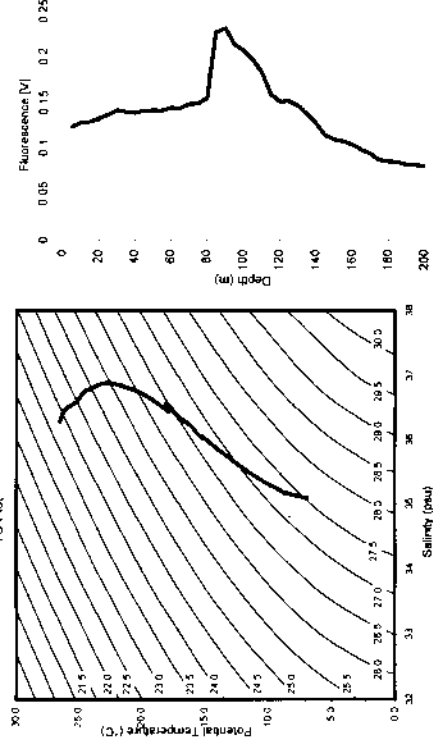
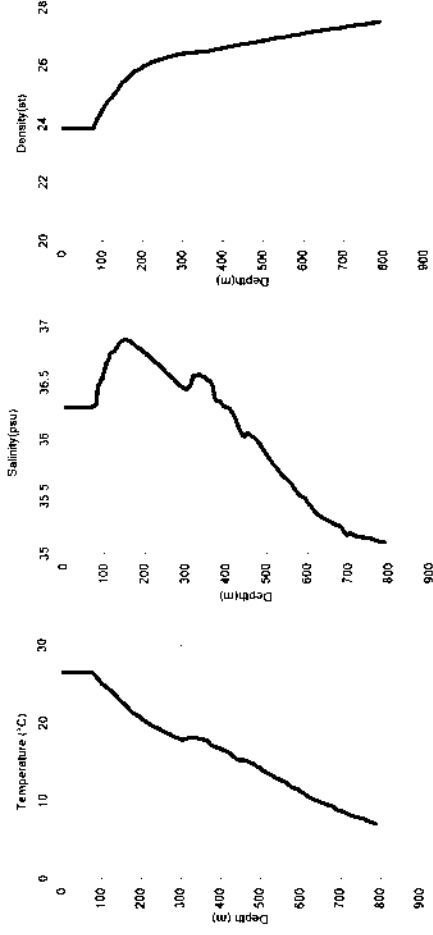


CTD 006 Slope Water

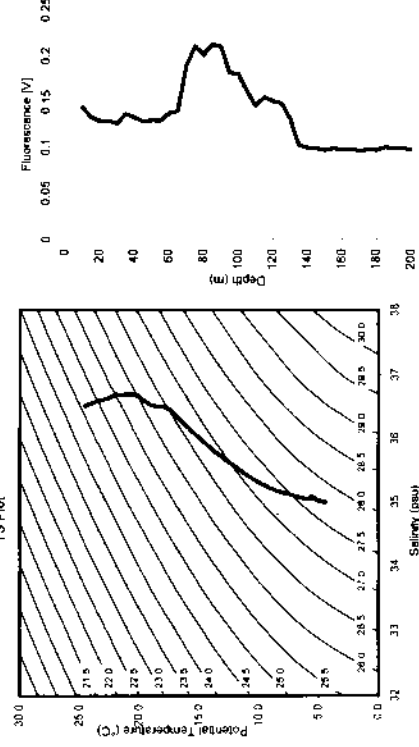
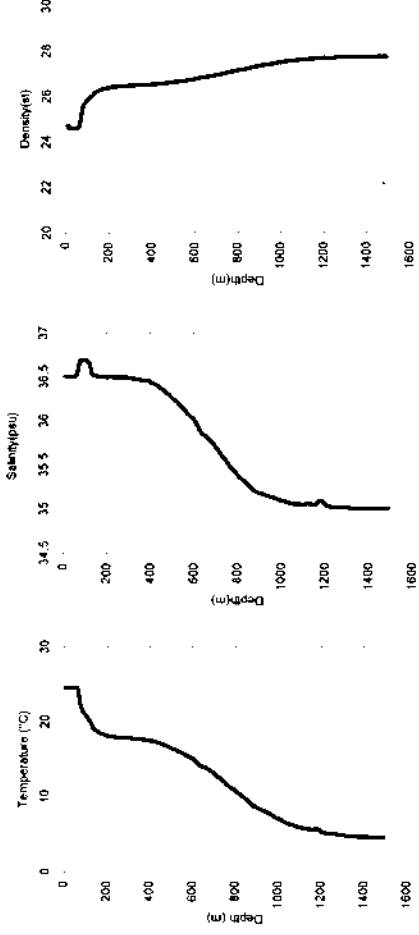


Appendix F. CTD Station Profiles (cont.)

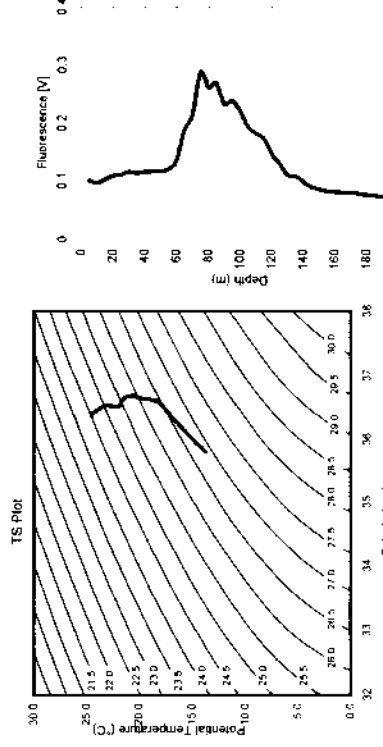
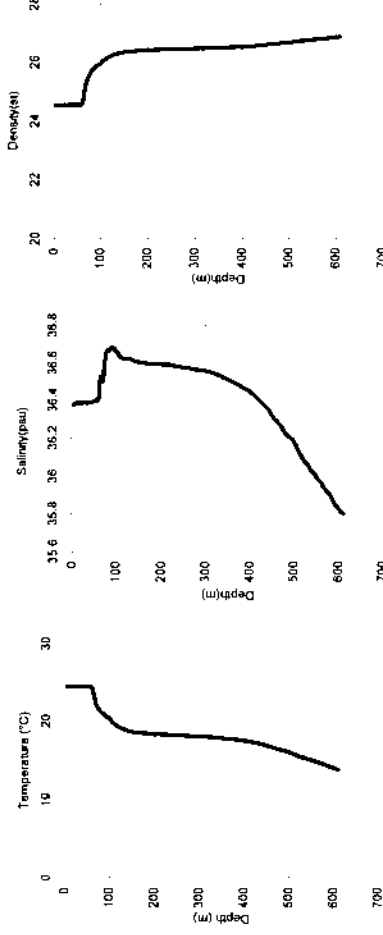
CTD 010 Gulf Stream



CTD 011 Northern Sargasso Sea 1

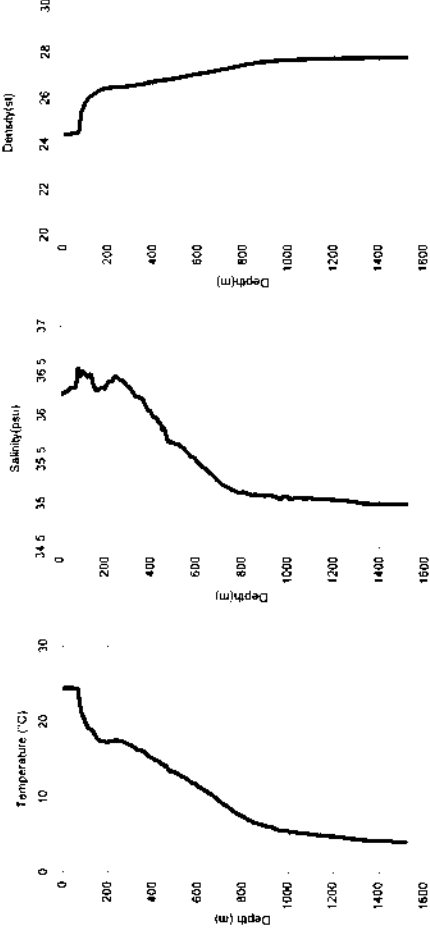


CTD 012 Northern Sargasso Sea 2

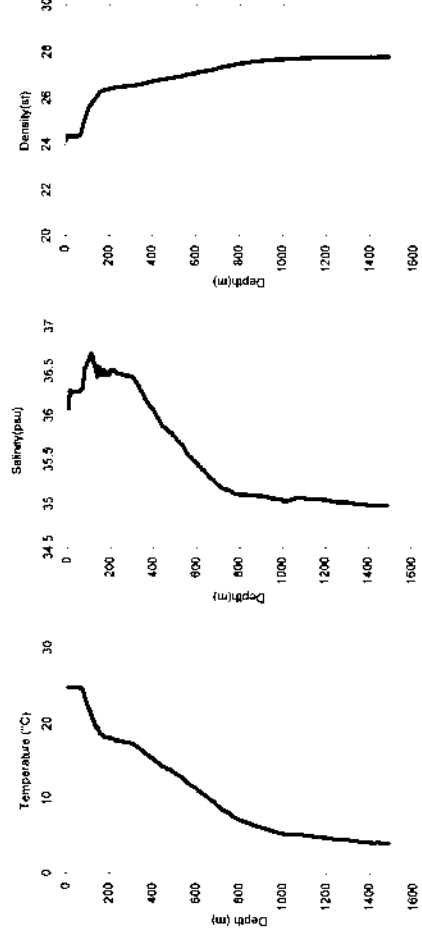


Appendix F. CTD Station Profiles (cont.)

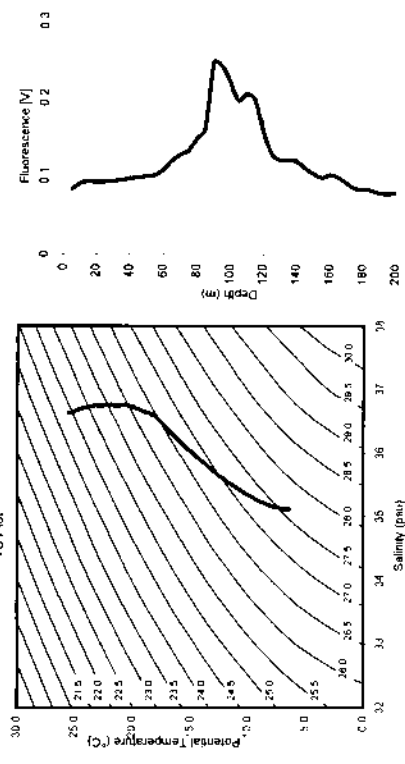
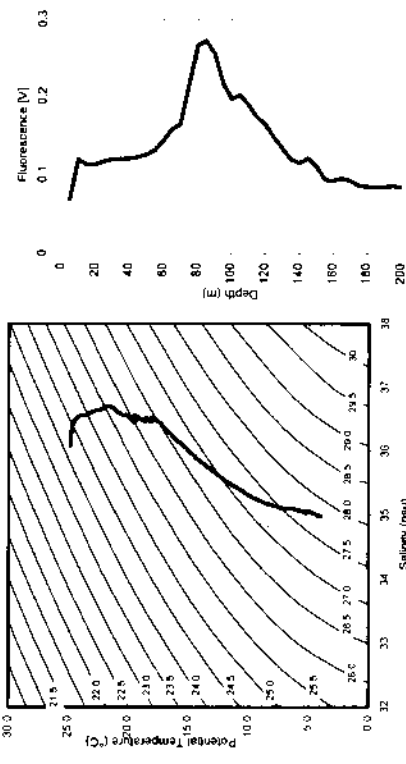
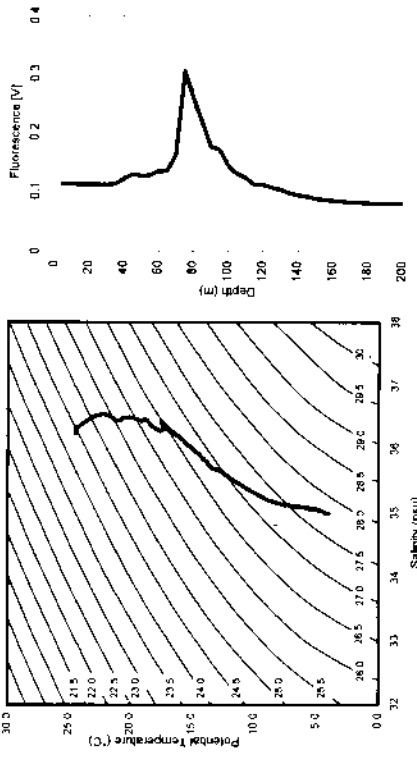
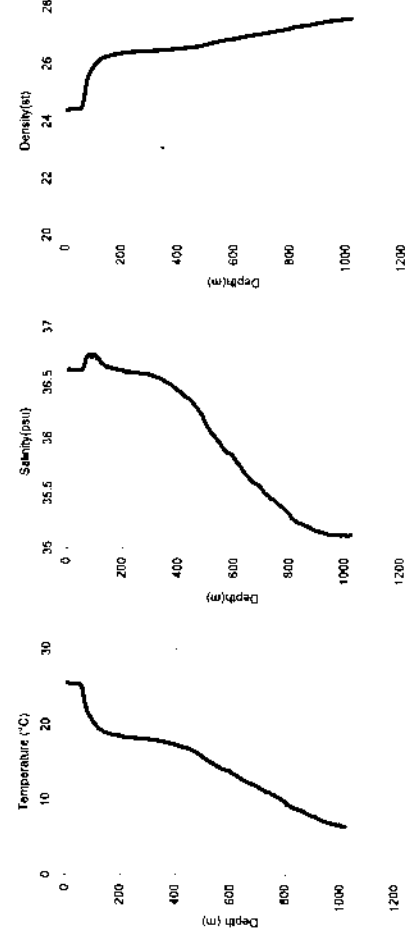
CTD 013 Northern Sargasso Sea 3



CTD 015 Northern Sargasso Sea 4

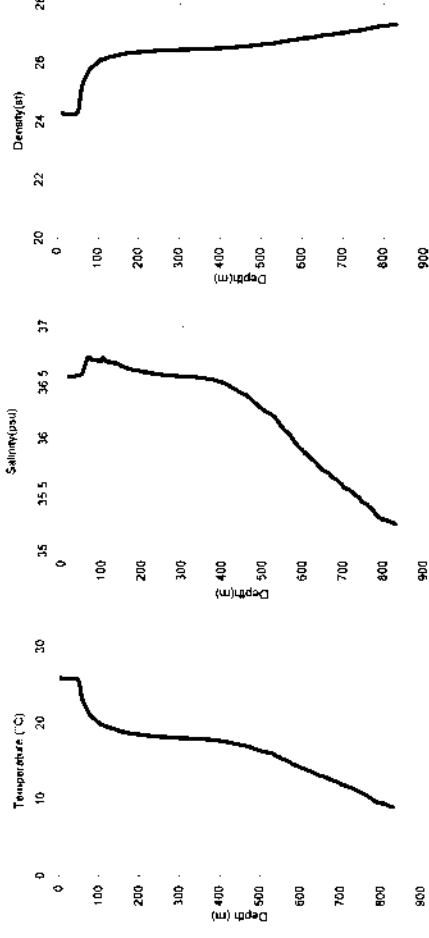


CTD 016 Northern Sargasso Sea 6

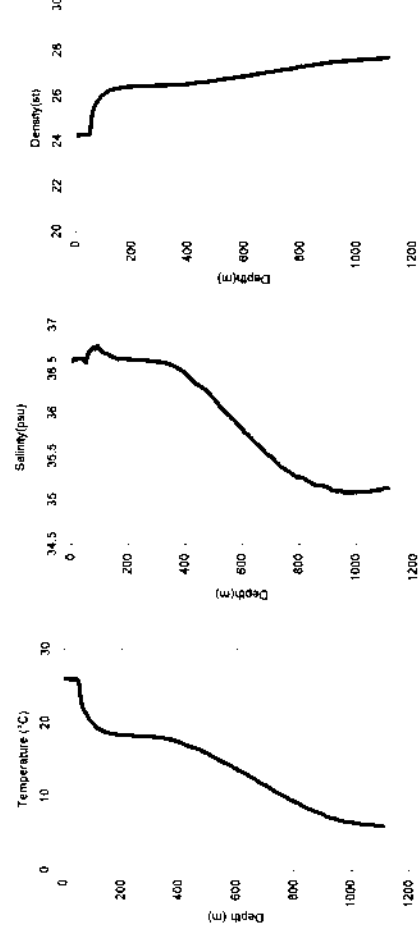


Appendix F. CTD Station Profiles (cont.)

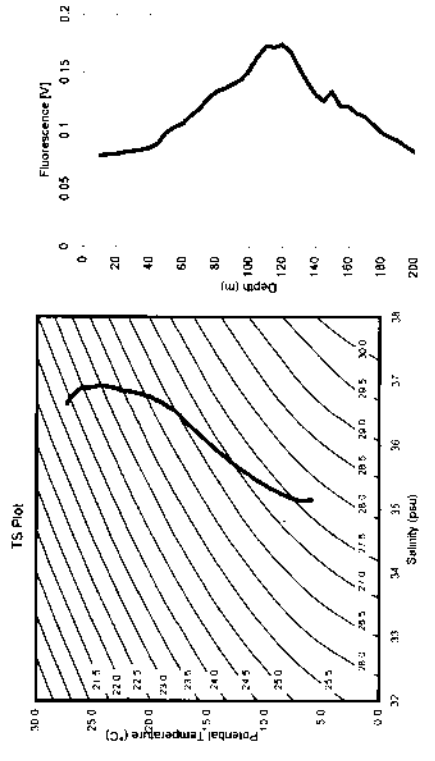
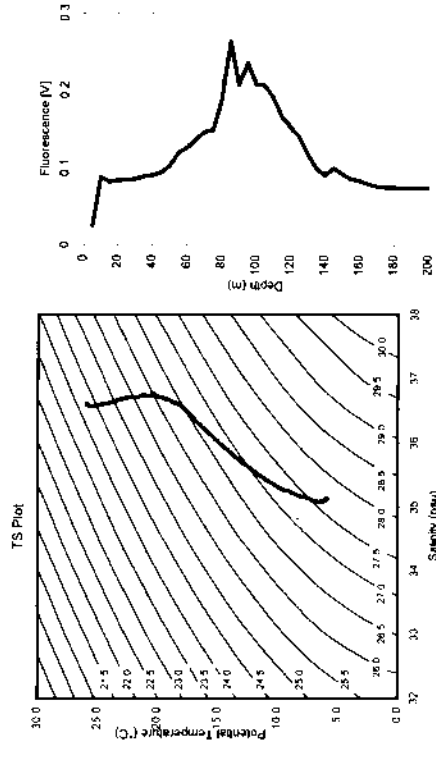
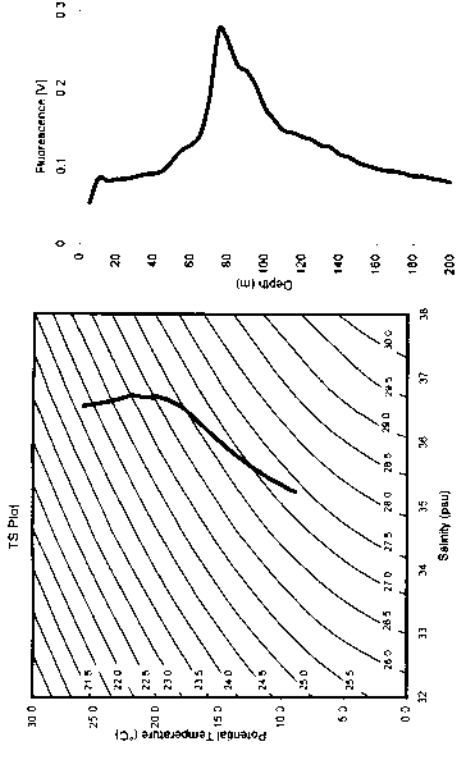
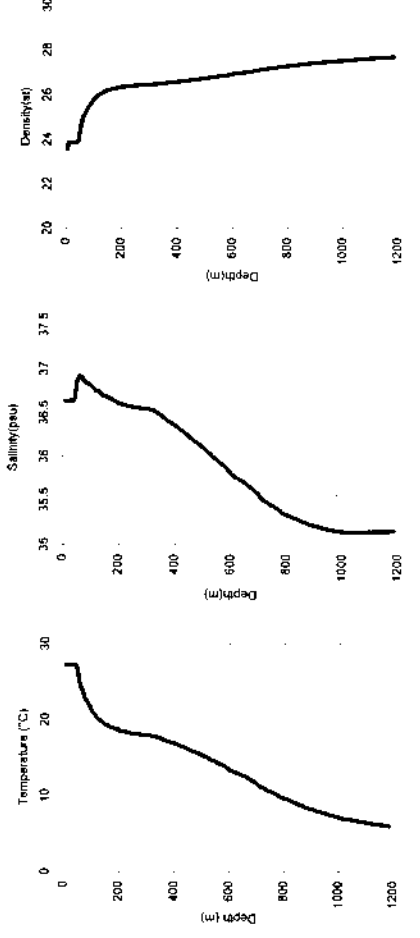
CTD 017 Northern Sargasso Sea 6



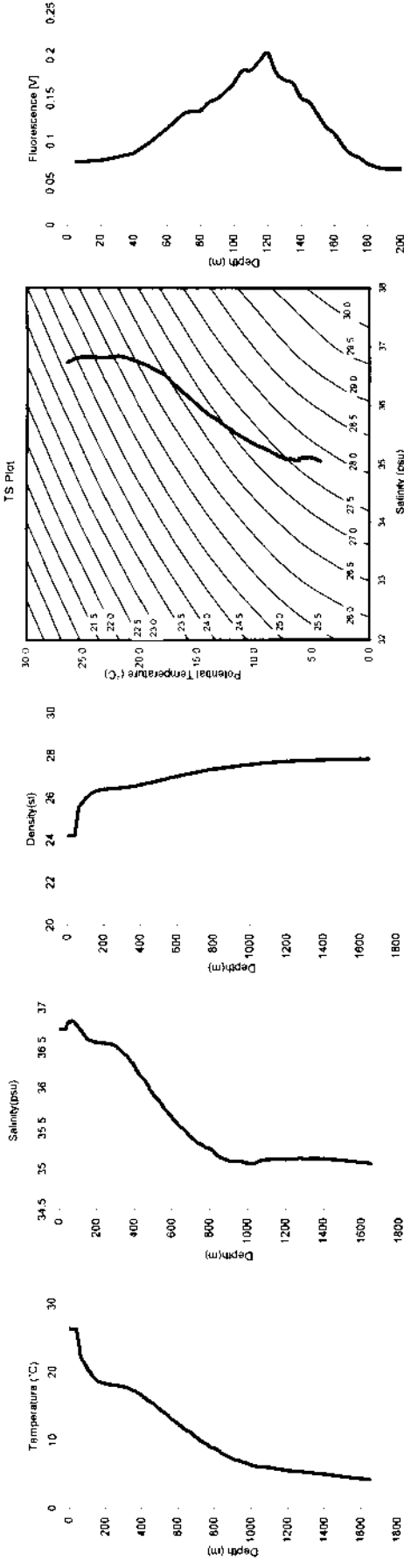
CTD 019 Northern Sargasso Sea 7



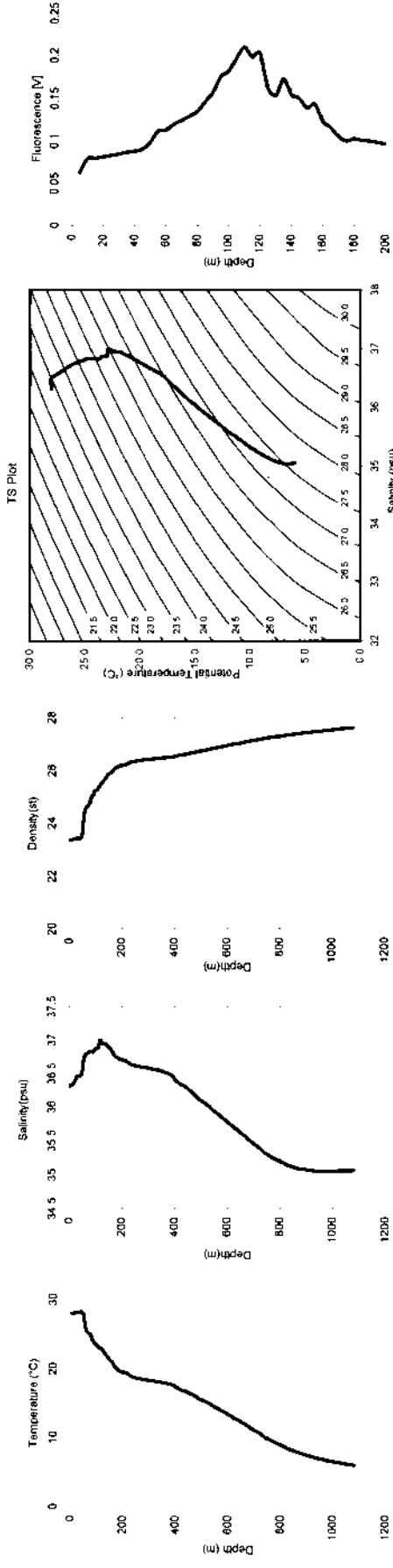
CTD 021 Southern Sargasso Sea 1



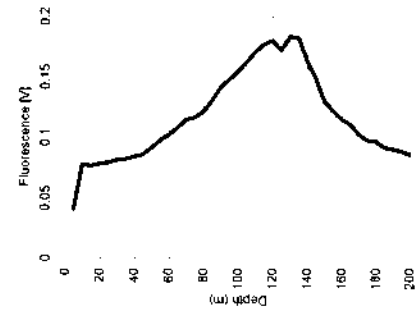
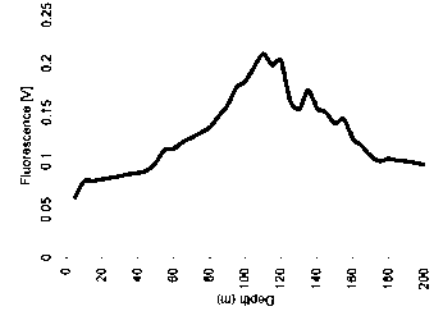
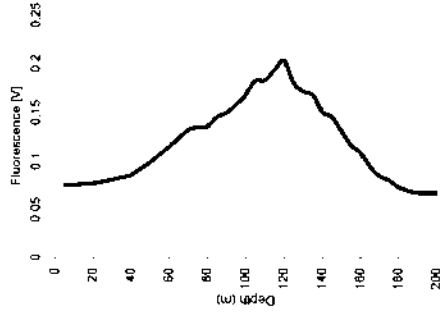
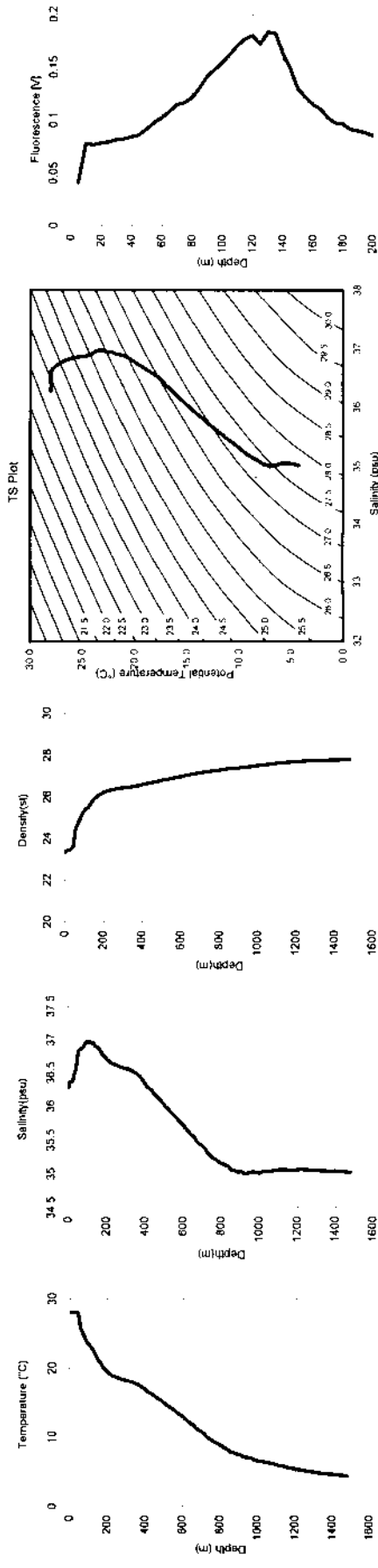
CTD 024 Southern Sargasso Sea 2



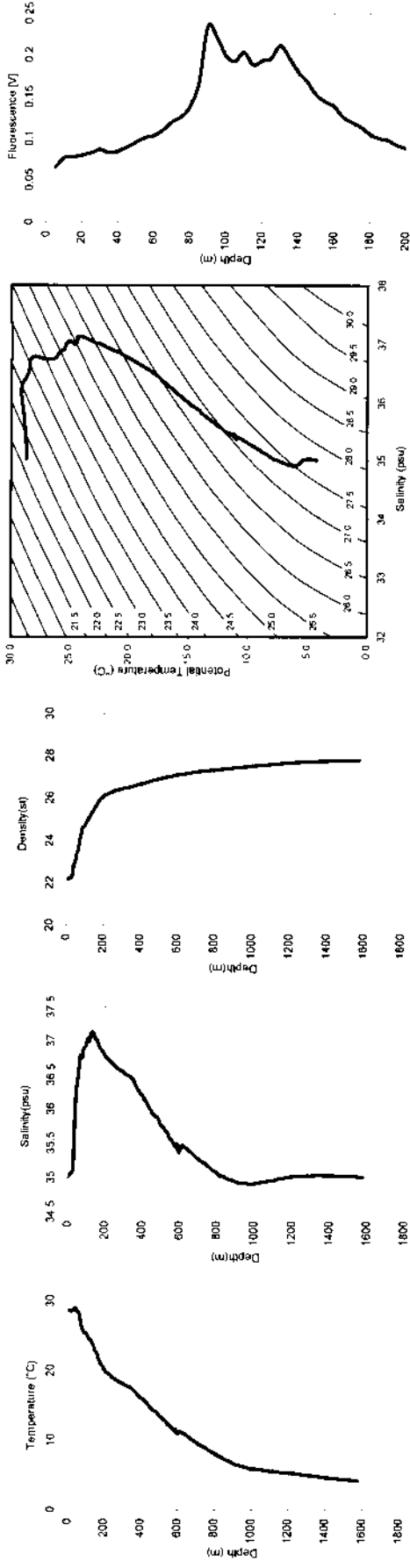
CTD 026 Southern Sargasso Sea 3



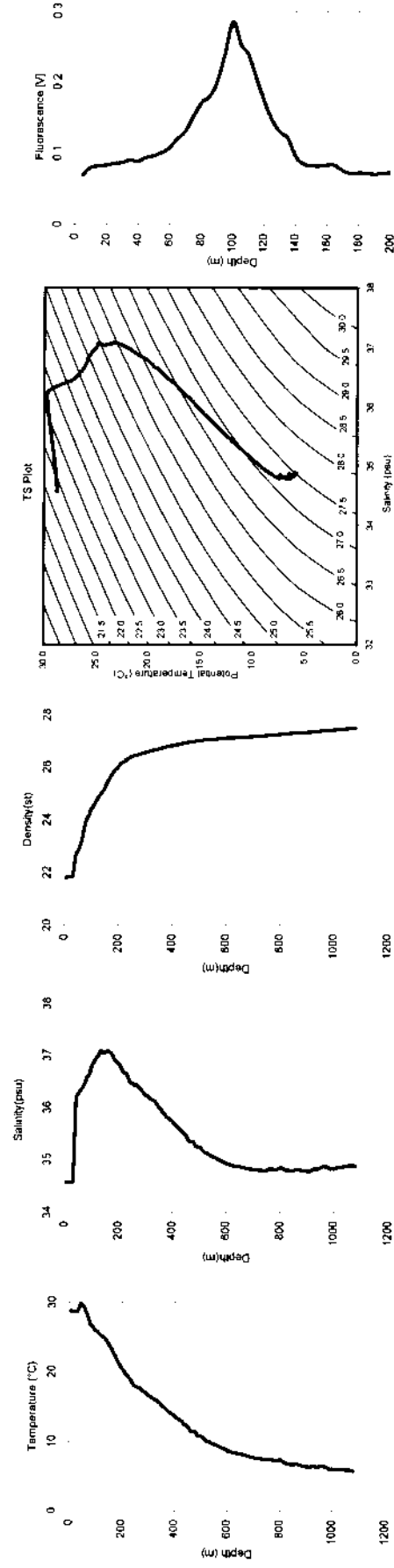
CTD 028 Tropical-Subtropical Transition 1



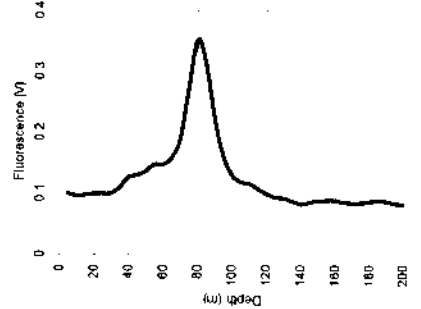
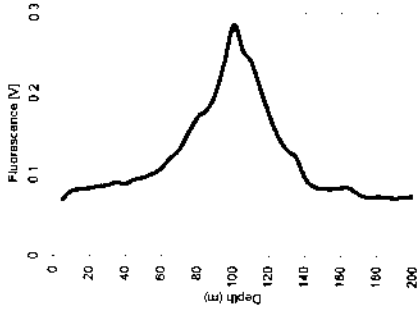
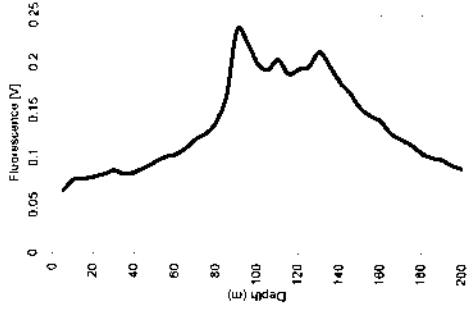
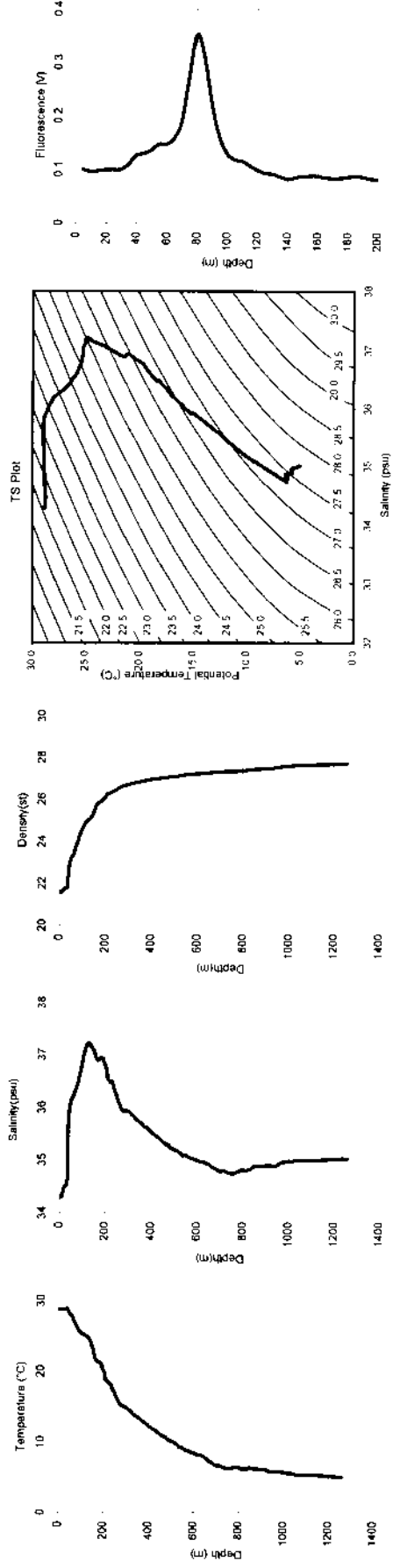
CTD 030 Tropical-Subtropical Transition 2



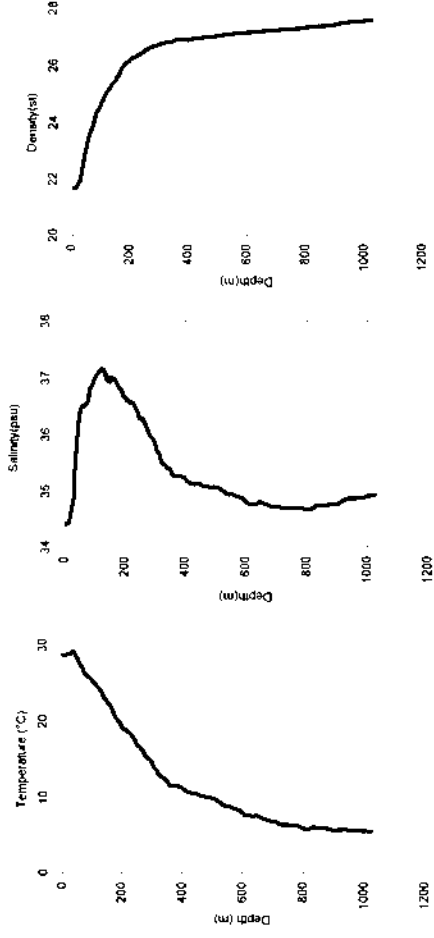
CTD 033 Tropical-Subtropical Transition 3



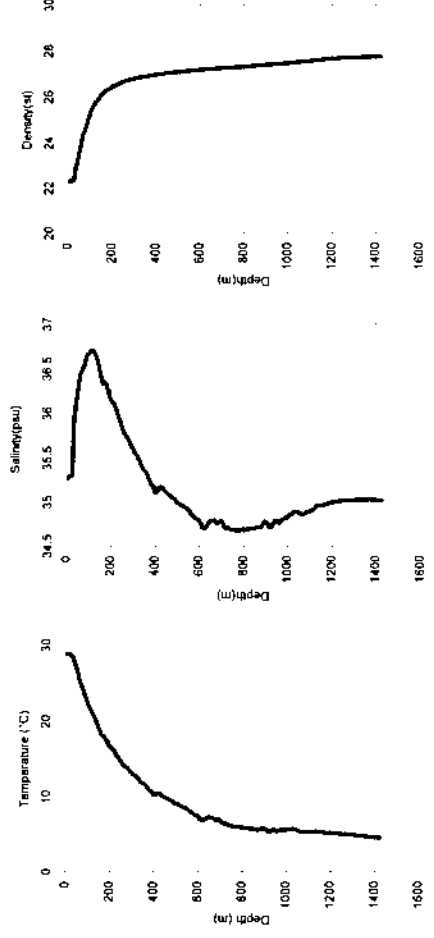
CTD 034 Tropical Water 1



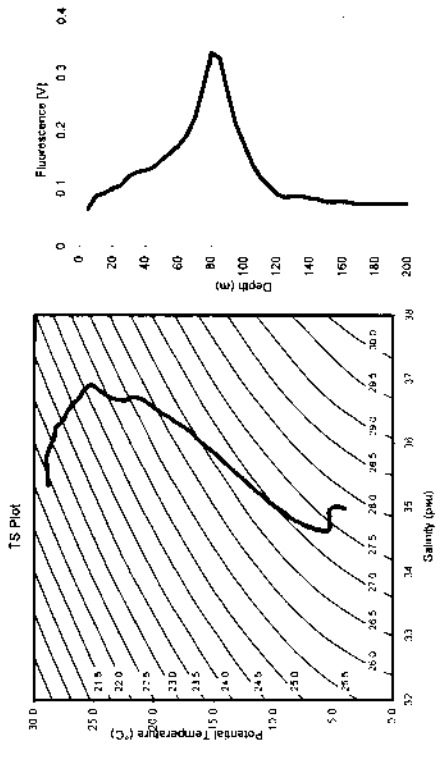
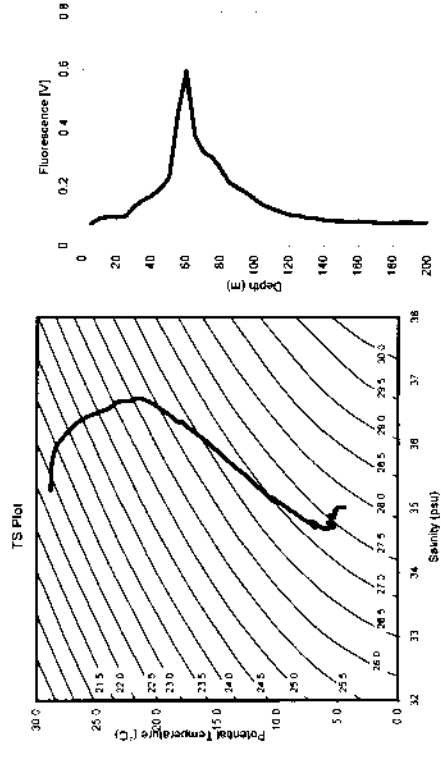
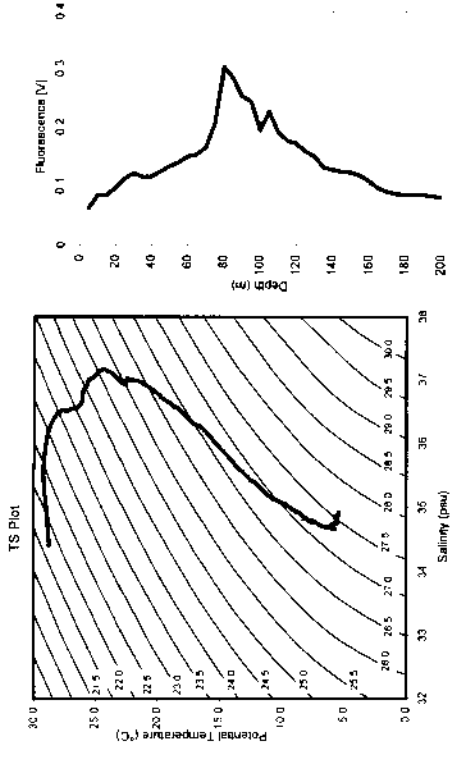
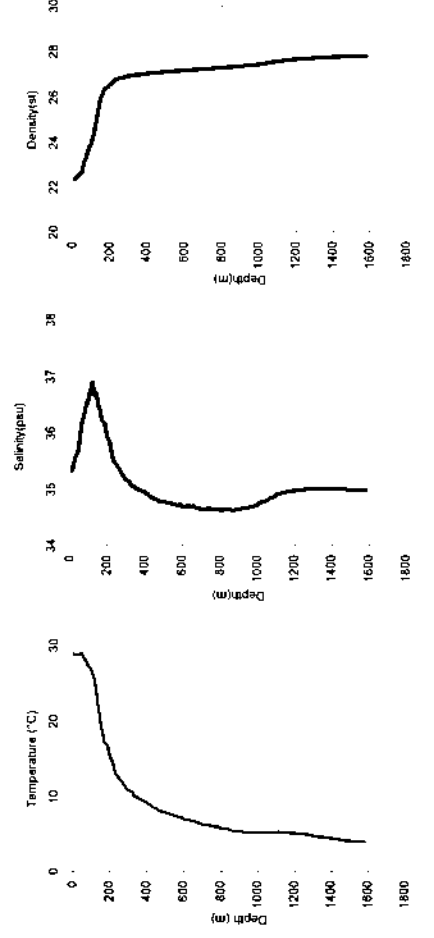
CTD 036 Tropical Water 2



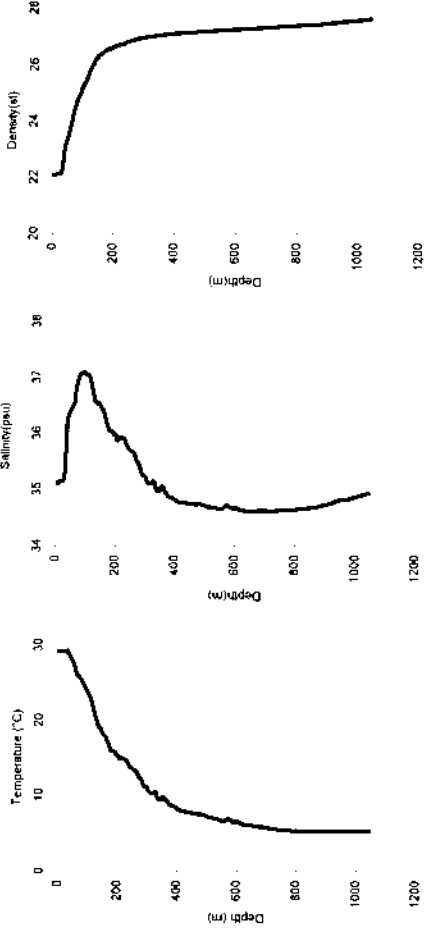
CTD 037 Tropical Water 3



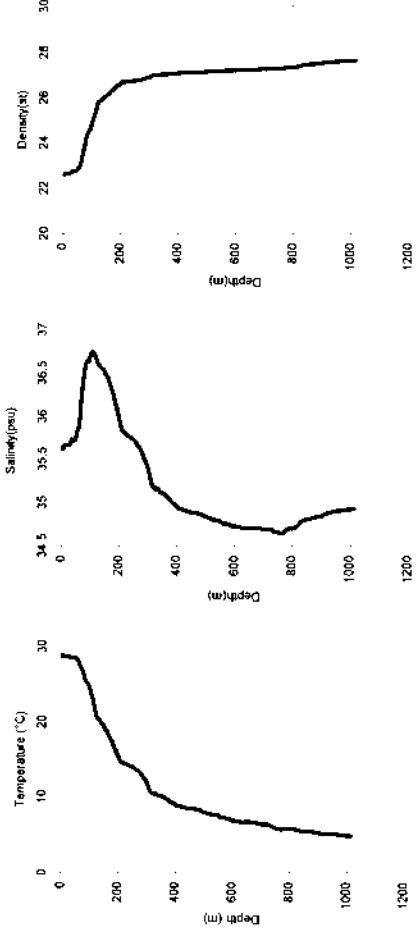
CTD 040 Tropical Water 4



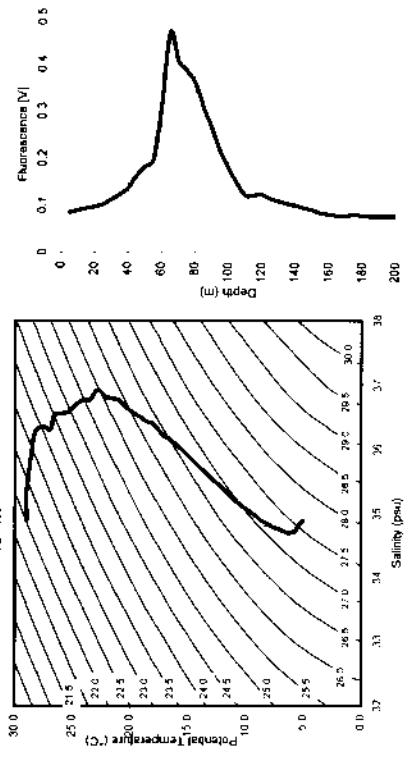
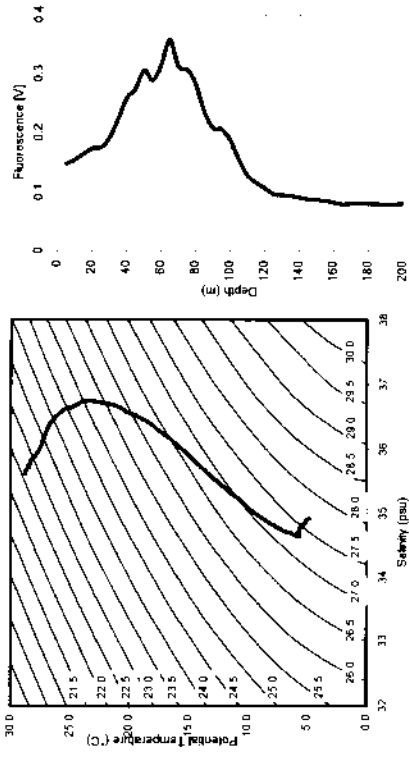
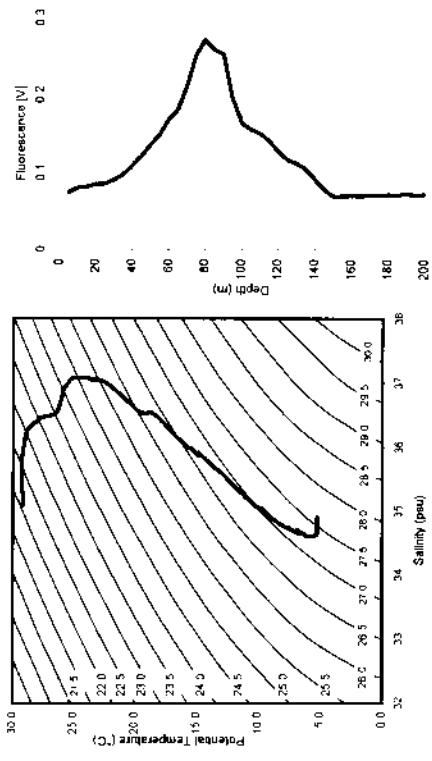
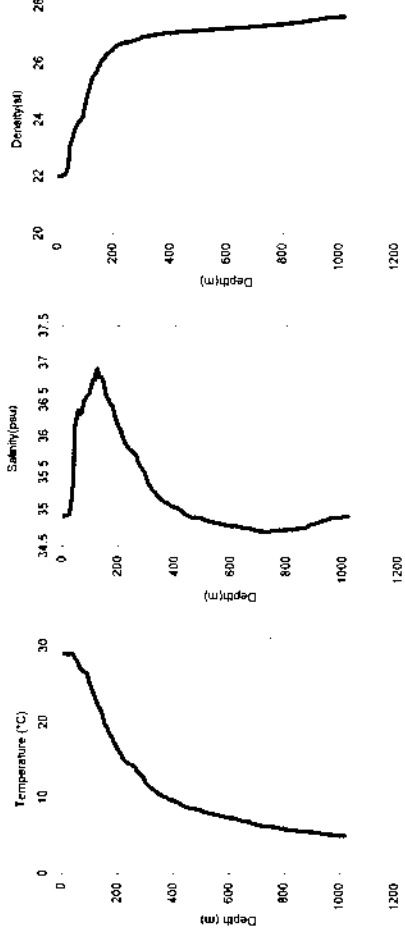
CTD 042 Tropical Water 5



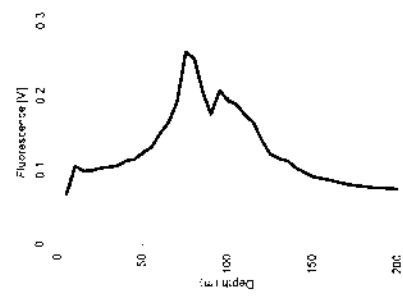
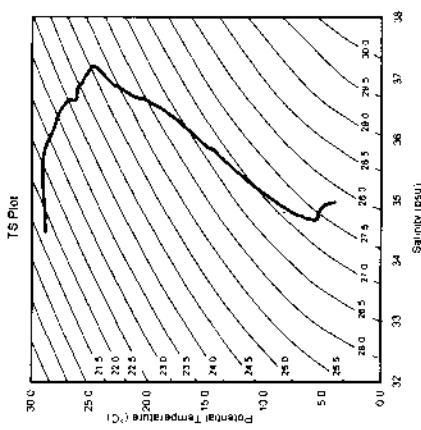
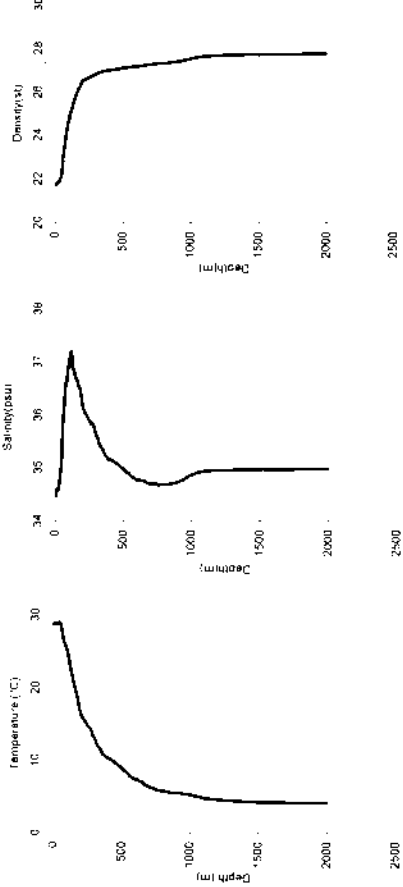
CTD 043 Caribbean Tropical Water 1



CTD 044 Caribbean Tropical Water 2



CTD 045 Caribbean Tropical Water 3



APPENDIX G. C-207 NET COLLECTIONS

NELSON DATA SUMMARY

STATION	DATE	TIME	LOG	LAT.	LONG.	GENERAL LOCALE	SURF. TEMP.	SURF. SAL.	TOW DIST.	ZOOP. VOL.	ZOOP. BIOMASS	PLASTIC	TAR	SAR-GASSEAM	HALO-BATES	LEPTO-CEPHAL	PHYLLIO-SOMA
C-207	2006	(local)	(nm)	(°N)	(°W)		(°C)	(PSU)	(m)	(ml)	(ml/100m2)	(Pellets)	(µg)	<i>nautans</i>	<i>fidians</i>		
001	14-Oct-06	11:45	84	40°20.3'	70°50.3'	Shelf	17.8	33.20	1688	1.4	0.1	0	0.0	0	0	0	0
003	15-Oct-06	0:25	148	39°52.9'	69°42.2'	Shelf	17.1	33.12	1852	41.3	2.2	0	0.0	0	0	0	0
004	15-Oct-06	12:00	177	40°1.6'	69°8.1'	Hydrographers Canyon	17.0	33.31	1852	11.0	0.6	1	0.0	1g	0	0	0
005	16-Oct-06	0:17	207	39°46.6'	68°36.4'	Slope Water	18.0	33.84	1852	39.0	2.1	1	0.0	3 liters	0	0	0
006	16-Oct-06	12:33	224	39°38.5'	68°12.5'	Slope Water	20.1	34.47	1482	24.0	1.6	0	0.0	4 liters	175g	0	0
007	17-Oct-06	0:04	303	39°26.3'	66°37.9'	Slope Water	21.7	36.37	1852	117.0	6.3	0	0.0	0	3g	1	2
008	17-Oct-06	12:26	357	39°23.1'	65°23.7'	Gulf Stream	26.2	36.28	1852	10.6	0.6	12	0.0	475g	225g	0	0
009	18-Oct-06	0:15	391	39°51.7'	64°33.4'	Gulf Stream	25.2	36.20	1564	22.1	1.4	0	0.0	20g	230g	1	0
010	18-Oct-06	12:04	435	40°21.3'	63°16.0'	Gulf Stream	26.6	36.30	1543	26.0	1.7	2	0.0	1430g	750g	0	0
011	19-Oct-06	23:22	578	38°33.2'	60°24.2'	Northern Sargasso Sea	24.7	36.42	1582	26.0	1.6	18	0.0	2885g	380g	0	1
014	21-Oct-06	23:48	724	35°53.5'	58°8.7'	Northern Sargasso Sea	24.7	36.29	1852	15.0	0.8	1	0.0	900g	1100g	0	0
015	22-Oct-06	12:32	761	34°36.3'	58°13.6'	Northern Sargasso Sea	25.0	36.25	1852	14.5	0.8	2	0.0	34 liters	0	0	0
019	25-Oct-06	12:16	1098	29°47.4'	59°26.7'	Central Sargasso Sea	25.9	36.57	1852	8.3	0.4	19	0.0	2100g	250g	0	0
020	26-Oct-06	0:14	1156	28°37.9'	59°18.2'	Central Sargasso Sea	25.9	36.48	1852	9.5	0.5	2	0.0	50g	85g	1	9
021	26-Oct-06	12:15	1217	27°35.7'	59°5.2'	Southern Sargasso Sea	27.3	36.59	2315	0.6	0.0	5	0.0	0	1g	0	0
023	27-Oct-06	0:03	1266	26°45.8'	59°8.3'	Southern Sargasso Sea	26.6	36.66	1667	6.0	0.4	3	2.5	2.0	0	4	18
024	27-Oct-06	13:25	1308	26°0.8'	59°20.2'	Southern Sargasso Sea	26.7	36.73	1296	10.0	0.8	0	0.0	0	25g	0	0
025	27-Oct-06	21:38	1340	25°29.6'	59°29.9'	Southern Sargasso Sea	26.3	36.65	1852	6.0	0.3	0	0.0	0	12g	5	20
026	28-Oct-06	12:14	1443	23°50.6'	59°31.7'	Southern Sargasso Sea	28.3	36.44	1743	1.4	0.1	9	0.0	1g	0	0	0
027	29-Oct-06	0:22	1506	22°51.6'	59°47.9'	Southern Sargasso Sea	28.3	36.31	1852	4.0	0.2	4	1.0	1	0	7	1
028	29-Oct-06	12:27	1559	21°57.3'	60°0.2'	Southern Sargasso Sea	28.3	36.38	1656	3.2	0.2	1	3.0	0	5	3	0
029	29-Oct-06	21:47	1597	21°19.2'	60°8.2'	Subtropical transition	28.3	35.77	1296	3.0	0.2	4	0.0	0	0	11	0
030	30-Oct-06	12:07	1679	20°1.7'	60°26.8'	Subtropical transition	28.7	35.10	1667	1.0	0.1	0	0.0	0	0	0	0
032	30-Oct-06	23:20	1734	19°9.8'	60°42.5'	Subtropical transition	28.8	34.80	1111	4.0	0.4	1	0.0	0	0	4	0
033	31-Oct-06	12:30	1795	18°8.0'	61°8.8'	Subtropical transition	28.9	34.45	1852	3.3	0.2	1	0.0	0	0	18	0
035	6-Nov-06	12:13	2026	16°6.6'	60°41.2'	Tropical Water	28.9	34.31	556	6.5	1.2	3	0.0	0	0	0	0
036	7-Nov-06	0:06	2079	15°23.8'	60°25.1'	Tropical Water	29.0	34.90	1852	12.0	0.6	3	0.0	0	0	20	0
037	7-Nov-06	12:05	2127	14°37.0'	60°16.0'	Tropical Water	29.0	35.23	1852	4.0	0.2	0	0.0	0	0	32	0
039	8-Nov-06	0:53	2187	13°44.7'	59°53.2'	Tropical Water	28.9	35.56	1667	13.0	0.8	0	0.0	0	0	1	0
040	8-Nov-06	12:14	2243	12°42.9'	60°20.3'	Tropical Water	29.1	35.35	1852	6.5	0.4	0	0.0	0	0	1	0
042	9-Nov-06	12:46	2352	11°16.5'	60°8.1'	Tropical Water	29.3	35.07	1667	8.0	0.5	1	0.0	0	0	3	0
044	14-Nov-06	11:23	2610	14°14.3'	61°43.8'	Caribbean Tropical Water	29.1	34.91	1482	6.5	0.4	4	0.0	0	0	4	0
045	14-Nov-06	23:58	2651	14°57.7'	62°3.7'	Caribbean Tropical Water	28.9	35.11	1667	27.0	1.6	0	0.0	0	1	1	3

APPENDIX G (cont.) S-198 NET COLLECTIONS
C-207 METER NET AND 2-METER NET COLLECTIONS

STATION	DATE	TIME	LOG	LAT.	LONG.	GENERAL LOCAL	NET TYPE/NUMBER	TOW TYPE	MESH SIZE	DEPTH	TOW VOL.	ZOOP. VOL.	ZOOP. DENSITY
C-207		(local)	(NM)	(°N)	(°W)				(µ)	(m)	(m ³)	(m ³)	(ind/100m ³)
005A	14-Oct-06	20:32	195.7	39°45.9'	68°36.2'	Slope Water	Meter net A	stepped-oblique	1000	0-100	1218	94	7.7
005B	14-Oct-06	22:30	206.5	39°46.8'	68°36.4'	Slope Water	Meter net B1	stepped-oblique	1000	0-100	1456	39	7.7
							Meter net B2	stepped-oblique	333	0-100	850	105.5	19.2
							Meter net B3	stepped-oblique	700	0-93	866	95	10.7
006	16-Oct-06	10:28	222.7	39°39.7'	68°13.9'	Slope Water	Meter net	Forma Y-xxo	333	0-100	532.6	-	5.6
011	19-Oct-06	22:15	376.7	38°37.3'	60°36.0'	Northern Sargasso Sea	Meter net	Forma Y-xxo	200	0-50	454	-	-
012	20-Oct-06	31:45	500.0	38°16.3'	60°33.0'	Northern Sargasso Sea	Meter net	Forma Y-xxo	1000	0-100	1432.1	28	2.0
022	26-Oct-06	20:16	1255.6	28°33.5'	59°53.9'	Southern Sargasso Sea	Meter net	Forma Y-xxo	200	0-42.5	3196	40	1.3
							Meter net	Forma Y-xxo	1000	0-100	532.1	66	1.2
024	27-Oct-06	11:00	1307.1	26°33.5'	59°22.5'	Southern Sargasso Sea	Meter net	stepped-oblique	333	0-92	949.8	26	2.7
025	27-Oct-06	20:31	1338.2	25°50.4'	59°22.5'	Southern Sargasso Sea	Meter net	stepped-oblique	1000	0-100	1919.6	15	0.8
029	29-Oct-06	20:40	1594.0	21°20.6'	60°7.4'	Subtropical transition	Meter net	stepped-oblique	1000	0-100	1469	14	-
							Meter net	stepped-oblique	333	0-100	469	46	3.1
031	30-Oct-06	20:55	1733.3	19°13.4'	60°42.4'	Subtropical transition	Meter net	stepped-oblique	1000	0-133	5253	69	1.3
							Meter net	stepped-oblique	333	0-123	804.2	37	4.6
033	31-Oct-06	10:47	1794.9	18°9.7'	61°7.4'	Subtropical transition	Meter net	Forma Y-xxo	200	0-50	730	-	-
038	7-Nov-06	20:37	2070.1	14°9.4'	59°58.2'	Tropical Water	Meter net	stepped-oblique	333	0-100	1234.8	125	10.1
041	8-Nov-06	20:35	2279.5	12°7.5'	60°18.1'	Tropical Water	Meter net	stepped-oblique	200	0-50	1029.8	50	4.9
							Meter net	stepped-oblique	333	0-111	1354.8	119	8.9
							Meter net	stepped-oblique	200	0-103	874.1	90	10.3

APPENDIX G (continued)
C207 PHYTOPLANKTON NET COLLECTIONS

STATION	DATE	LOG	LAT.	LONG.	DEPTH	GENERAL LOCAL	TEMP.	SAL.	FLUOR	DIATOMS	DINOFAGELLATES
C-207		(NM)	(°N)	(°W)	(m)		(°C)	(PSU)	(relative)	(%)	(%)
004	15-Oct-06	176.8	40°1.5'	69°8.8'	0-5	Hydrographic Canyon	17.0	33.33	352	74	26
006	16-Oct-06	222.7	39°40.8'	68°13.0'	0-5	Slope Water	20.4	34.36	266	75	25
012	20-Oct-06	500.0	38°16.3'	60°33.0'	0-5	Northern Sargasso Sea	24.6	36.38	141	13	8.7
015	22-Oct-06	760.3	34°26.9'	58°17.4'	0-5	Northern Sargasso Sea	24.9	36.25	120	-	-
024	27-Oct-06	1307.0	26°33.5'	59°22.1'	0-5	Southern Sargasso Sea	26.5	36.73	78	36	64
028	29-Oct-06	1538.8	21°58.1'	59°58.1'	0-5	Southern Sargasso Sea	28.1	36.37	56	-	-
033	31-Oct-06	1794.9	18°10.4'	61°6.4'	0-5	SubTropical Transition	26.8	34.57	71	12	88
040	8-Nov-06	2242.8	12°44.6'	60°17.2'	0-5	Tropical Water	29.1	35.35	65	-	-
042	9-Nov-06	2351.4	11°17.9'	60°55.0'	0-5	Tropical Water	29.3	35.16	61	14	86

APPENDIX H: C-207 BATHYPHOTOMETER DEPLOYMENTS

STATION	DATE	LOG	LAT.	LONG.	ERAL LOC	TEMP.	SAL.	WIRE OUT	Pump Depth	Total Flow
C-207		(NM)	(°N)	(°W)		(°C)	(PSU)	(m)	(m)	(L)
008	17-Oct-06	356.6	39°22.5'	69°24.0'	Gulf Stream	26.2	36.3	100	40-60	155.0
011	19-Oct-06	576.7	38°32.3'	60°26.9'	N Sargasso	24.4	36.4	100	5	29.3
018	24-Oct-06	1048.9	30°43.5'	59°24.9'	N Sargasso	25.6	36.35	100	40-60	58.6
025	27-Oct-06	1337.9	25°31.1'	59°22.7'	S Sargasso	26.6	36.61	129	5	58.6
031	30-Oct-06	1733.8	19°11.6'	60°42.4'	Subtropical/	28.8	34.76	129	100-115	58.6
034	5-Nov-06	1972.2	16°33.9'	61°10.8'	Tropical Wa	28.8	34.3	129	5	58.6

APPENDIX I: C-207 MGLANE PUMP DEPLOYMENTS

STATION	DATE	LOG	LAT.	LONG.	ERAL LOC	Pump Run Time	TEMP.	SAL.	DIATOMS	DINOFAGELLATES
C-207		(NM)	(°N)	(°W)		(min)	(°C)	(PSU)	(%)	(%)
008a	16-Oct-06	222.7	39°39.1'	68°13.0'	Slope Water	31'	15.0	34.52	79	21
008b	16-Oct-06	273.0	39°38.4'	68°13.1'	Slope Water	5:0	20.3	34.48	77	23
012a	20-Oct-06	590.0	38°16.3'	60°33.0'	N Sargasso	10:0	20.2	36.38	45	55
012b	20-Oct-06	590.0	38°16.4'	60°33.0'	N Sargasso	10:0	24.6	36.38	67	33
024a	27-Oct-06	1307.0	26°33.5'	59°24.7'	S Sargasso	10:0	26.6	36.72	33	67
024b	27-Oct-06	1307.0	26°33.5'	59°22.1'	S Sargasso	10:0	26.6	36.72	43	47
033a	31-Oct-06	1794.9	18°9.2'	61°7.4'	Subtropical/	15:0	28.9	34.49	12	88
033b	31-Oct-06	1794.9	18°9.2'	61°7.2'	Subtropical/	15:0	28.9	34.48	15	85
042a	9-Nov-06	2351.5	11°17.2'	60°6.7'	Tropical Wa	15:0	29.3	35.11	14	86
042b	9-Nov-06	2351.5	11°17.1'	60°7.3'	Tropical Wa	15:0	29.3	35.09	11	89