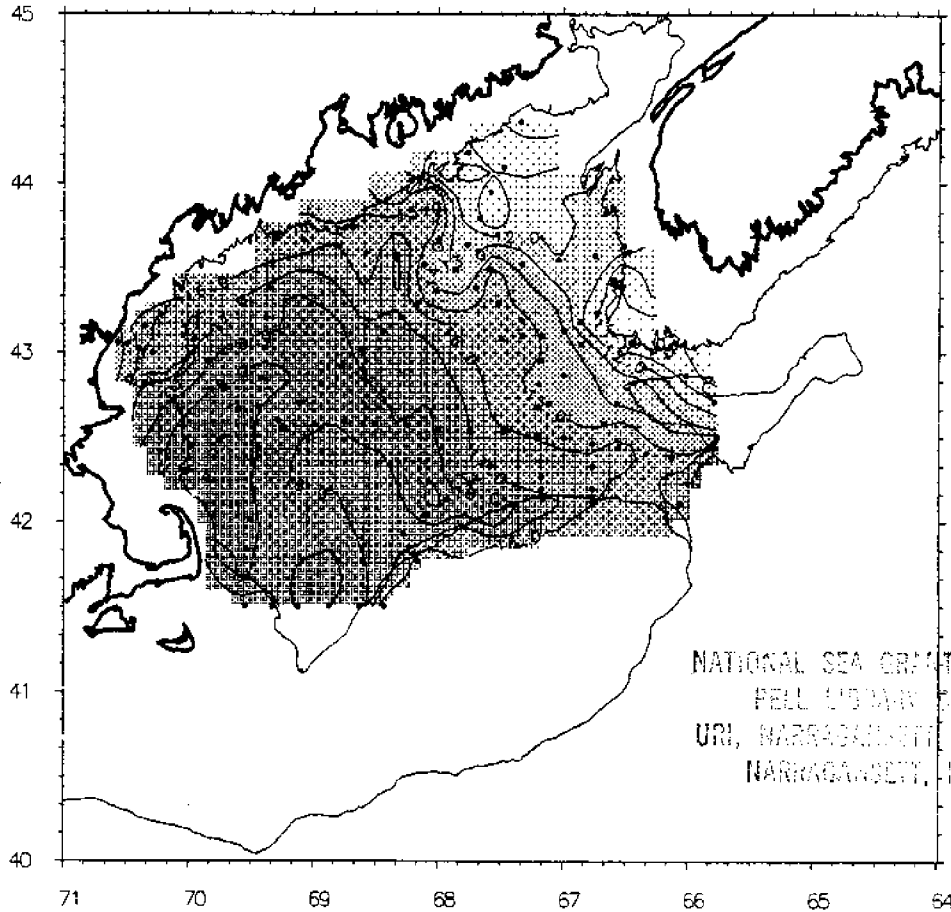


# Hydrographic Survey in the Gulf of Maine July-August 1987

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SURFACE TEMPERATURE



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and  
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**MAY 1989**

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## A. Introduction

The Gulf of Maine is a marginal sea characterized by rugged bathymetry surrounding three major basins (Figure 1) and directly connected to the deep ocean only through the Northeast Channel. Tides, density contrasts between water masses, and winds play important roles in the dynamics of the circulation of the Gulf. From August 1986 through September 1987, an observational study of the variability of the thermohaline environment and associated large scale circulation of the Gulf was conducted. The field observation phase of this NSF and Sea Grant funded study included the deployment of moored temperature, conductivity and bottom pressure instrumentation in the center of the major basins and the northern side of the Northeast Channel, and five seasonal hydrographic cruises (Table 1). The UNH observation effort, complemented by the work of D. Brooks (Texas A&M University), B. Butman (U.S. Geological Survey, Woods Hole), and C. Flagg (Brookhaven National Laboratory) will provide an improved understanding of some of the most important physical factors that control the thermohaline component of the subtidal circulation.

The temperature and salinity characteristics of the major basins and channels of the Gulf of Maine tend to be similar. To monitor changes in these regions, the moored temperature, conductivity, and pressure instrumentation was located in these key locations as shown in Figure 2 for the periods indicated in Table 2. The quasi real-time satellite telemetry of the moored information from the center of the basins in the Gulf permitted us to monitor the day to day changes in the temperature, salinity, and density properties at several depths as well as the engineering status of the data acquisition system. The hydrographic information, which was obtained during surveys in August 1986 (Garrison and Brown, 1987), February 1987, April 1987, July--August 1987, and September 1987 is being used to interpret the time series information from the moorings.

This report describes the hydrographic data from R/V Endeavor cruise EN165, 28 July -- 5 August 1987. A total of 126 CTD stations were occupied at the locations listed in Table 3. The survey depicted in Figure 2 was designed to map the hydrography of the water of the Gulf with an emphasis on the basins and water deeper than 100 m. Thus the cruise track consisted of radial lines centered on, and connecting, the centers of the major basins and the Northeast Channel.

## **B. Data Acquisition Methods**

A Neil Brown Instrument Systems Mark III (serial number 1088) CTD was mounted inside a General Oceanics rosette frame with six 5-liter Niskin bottles around the perimeter. An oxygen sensor was mounted on the CTD, and a Sea Tech 25 cm path length transmissometer was mounted horizontally inside the frame. Data acquisition and display of the CTD was controlled by a Digital Equipment Corporation Microvax computer. The typical data scan of pressure, temperature, conductivity, oxygen current, oxygen temperature, and transmission was obtained 32 times a second and stored in computer memory and later stored on disk. Niskin bottle water sample salinity was measured with a Guildline Autosol 8400A. Dissolved oxygen was determined by the modified Winkler titration method of Carritt & Carpenter (1966). Position was measured by LORAN C using a Northstar 7000 and depth by precision depth recorder Raytheon PTR LSR.

At each of stations 1 through 126, the CTD instrument frame was lowered at 30 meters/minute to within 5 m of the bottom. Temperature, salinity, transmission, and dissolved oxygen profiles were displayed in real time on the lab computer's screen. Bottle samples were collected at the bottom and at 50 m intervals to the surface during the upcast. At some of the deeper stations the surface (seventh) sample had to be drawn from the ship's continuous sampler, and in this case the sampling line was allowed to flush for at least ten minutes before taking the sample. Dissolved oxygen samples were drawn first from all the Niskin bottles. Then salinity samples were taken from the bottom and surface bottles and nutrient samples were taken from all the bottles. The nutrient samples were frozen and taken back to UNH for post cruise analysis at UNH.

The salinity and dissolved oxygen samples were analyzed on board as discussed below.

### C. Data Processing

The first step in the data processing was to partition the raw CTD data from each station into downcast and upcast data files. Possible contamination due to ship roll was eliminated from both the downcast and upcast. On the downcast, data associated with decreasing pressure (due to ship roll) were discarded, and, on the upcast, data associated with increasing pressure were discarded. Further processing was done on the downcast data only.

Salinity was computed using the Practical Salinity Scale of 1980 (Lewis, 1980; Fofonoff and Millard, 1983) and corrected as discussed below. The edited and adjusted data were filtered from an unequally spaced time series to an equally spaced spatial series with a 2 dbar long triangular filter advanced by one decibar increments. The 1 dbar averaged pressure, temperature and salinity data were used to calculate potential temperature, potential density anomaly ( $\sigma\text{-theta}$ ), sound velocity, Brunt-Väisälä frequency, specific volume anomaly and dynamic height at 1 dbar intervals, using algorithms of Fofonoff and Millard (1983). The uncertainty for each of the corrected data parameters is listed in Table 4.

### D. Data Corrections

**Pressure:** At each of the stations, the pressure was recorded when the CTD was on the ship's deck just before the start of the cast. The average of these on deck pressure values, 0.3 db, was subtracted from the pressure data.

**Temperature:** The pre-cruise calibration data of the instrument's temperature sensor showed an offset (standard - CTD temperature) of  $0.0050^{\circ}\text{C}$  at  $0^{\circ}\text{C}$ , decreasing to  $0.0015^{\circ}\text{C}$  at  $20^{\circ}\text{C}$ . Since these inaccuracies were within manufacturer's specified accuracy ( $\pm 0.005^{\circ}\text{C}$ ) of the temperature sensor, the CTD temperature was not corrected.

Salinity: On cast 3, as the instrument frame was being raised, the winch slipped and the frame dropped about 1 m to the ship's deck. Visual inspection of the CTD sensors showed no apparent damage and succeeding cast profile plots were normal. At station 104 a piece of the conductivity cell broke off and was replaced with a new cell. We believe the cell was cracked from the fall on cast 3. The deviation of CTD salinity from bottle salinity showed no drift with time until station 104. Thus different corrections were applied to casts 1 through 103 and 104 through 126, respectively.

Stations 1–103: On almost every cast, bottom and surface salinity samples were collected for the purpose of correcting CTD salinity. Surface samples ranged from about 31 – 32.5 ppt<sup>1</sup> and bottom samples from about 32.5 – 35 ppt. Bottle salinity was plotted versus CTD salinity, allowing spurious data points, due to leaking sample bottle, strong salinity gradient, incorrect sampling procedure, etc., to be rejected. A linear regression of bottle salinity on CTD salinity yielded a salinity correction equation for salinity  $S_c = 0.00047 + 0.99963 * S$ , where  $S$  is CTD salinity, and standard deviation of the discrepancies was  $\pm 0.008$  ppt. The difference between bottle data salinity and  $S_c$  is shown in Figure 4. This equation was used to correct CTD salinity on casts 1 through 103.

Stations 104–126: Casts 104 through 126 salinities were corrected differently because the conductivity cell was changed after cast 103. An initial comparison of bottom bottle salinity with CTD salinity showed that CTD salinity was about 0.6 ppt less than bottle salinity. We continued to collect surface and bottom salinity samples. Unfortunately, only a few of the bottle samples were analyzed before arriving in port and the samples were misplaced. Thus a post-cruise conductivity sensor calibration performed on the day after arrival in port was used. At each of four conductivity calibration points, five values of reference and instrument conductivity were averaged and converted to salinity. The linear regression of bath salinity on CTD salinity  $S_c = 0.02613 + 0.98110 * S$  was used to correct salinities at stations 104 through 126.

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<sup>1</sup>Some investigators report salinity in psu. In this report, psu and ppt are equivalent.

## E. Data Presentations

The 1 db averaged data are presented in this report in several ways: (1) station profile plots, station T-S diagrams, and data listings; (2) vertical section contour plots; and (3) horizontal section contour plots. The reader is referred to Figure 5 for purposes of interpreting the T-S diagrams.

Horizontal and vertical section contour plots were computer generated using the National Center for Atmospheric Research (NCAR) plot package. Unevenly spaced horizontal section data are interpolated by the triangularization method of Akima (1978) to produce the uniformly spaced grid of numbers which are contoured. The vertical section data are unevenly spaced in the horizontal direction and evenly spaced at 1 db intervals in the vertical direction. A linear interpolation was used to produce the uniformly spaced grid of numbers which are contoured.

**Horizontal Sections:** Horizontal sections of temperature, salinity, and sigma-theta at 2, 50, 100, 150, and 200 decibars were done using data from all appropriate stations. These sections are presented in Figures 6-20. The coastline and bathymetry were digitized from the Uchupi (1965) chart. The dots indicate the station location and as the sections go deeper the stations with data at that depth become fewer. Contour intervals are  $1^{\circ}\text{C}$  for temperature, 0.2 ppt for salinity, and  $0.2 \text{ kg m}^{-3}$  for sigma-theta. The surface dynamic height map relative to 100 decibars is presented in Figure 21. Contour interval is 1 dynamic centimeter.

**Vertical Sections:** Vertical sections of temperature, salinity, and sigma-theta for the sets of stations indicated in Figure 3 are presented in Figures 22-41. The vertical sections for all our cruises (Table 1) are numbered from 1 to 14, and corresponding sections of the different cruises are given the same number. On a particular cruise we might not have done all fourteen sections, so there will be gaps in the numbering. We did not do sections 11 to 14 on this cruise. Contour intervals are  $1^{\circ}\text{C}$  for temperature, 0.2 ppt for salinity, and  $0.5 \text{ kg m}^{-3}$  for sigma-theta. The station numbers are indicated along the top horizontal axis.

Profiles, T-S Diagrams, and Data Listings: A profile plot, T-S diagram, and data listing is presented in Figures 42-167 for each of the 126 CTD stations. The 1 db averaged values are used for the profiles and for the T-S diagram. The data listing presents the 1 db average values of temperature (T), salinity (S), potential temperature (PT), density anomaly sigma-theta (STH), specific volume anomaly (SPVA), dynamic height with respect to surface (DH), sound velocity (SND V), and Brunt-Väisälä frequency (N) at 10 db intervals and at the surface and bottom.

#### **F. Acknowledgements**

We would like to acknowledge J.D. Irish for his considerable support and guidance in the data acquisition, reduction, and data report production aspects of the hydrography program. The assistance of D. Howard, B. Joziatis, L. Marchi, S. Welch, D. York (all of UNH), B. Butman (USGS), P. McCrone, B. Viekman (both of the University of Rhode Island, URI), and A. Stroehlein (Cornell) on the cruise is gratefully acknowledged. The data acquisition went smoothly because of the help provided by the URI marine technicians L. Covington, B. Fanning and J. Szelag. We wish to thank the officers and crew of the R/V Endeavor for their assistance and enthusiasm in helping us gather data. We thank S. Palmer (UNH) for improving the quality of the computer generated graphics. This work was supported by funding from Sea Grant and National Science Foundation under grants No. R/FM-104 and OCE-8517274, respectively.

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Table 1. UNH hydrography cruises in the Gulf of Maine.

<b>Dates</b>	<b>Research Vessel</b>	<b>Cruise number</b>
3–16 August and 1–4 September 1986	Gyre	86G10
5–15 February 1987	Oceanus	OC–181
4–18 April 1987	Endeavor	EN–159
28 July–8 August 1987	Endeavor	EN–165
3–16 September 1987	Endeavor	EN–167

Table 2. Gulf of Maine moored temperature (T), conductivity (C), and bottom pressure (P) measurement summary, August 1986 through September 1987.

Mooring location	Sensor/Depth (m)	Start (Julian)	End (Julian)	Start (Gregorian)	End (Gregorian)	
Georges Basin	T0	1	759138	768566	8 Aug 86 1800	5 Sep 87 1400
	T1	21	759138	768566	8 Aug 86 1800	5 Sep 87 1400
	C1		759138	768566	8 Aug 86 1800	5 Sep 87 1400
	T2	71	759138	768566	8 Aug 86 1800	5 Sep 87 1400
	C2		759138	768566	8 Aug 86 1800	5 Sep 87 1400
	T3	120	759138	768566	8 Aug 86 1800	5 Sep 87 1400
	C3		759138	768566	8 Aug 86 1800	5 Sep 87 1400
	T4	170	759138	768566	8 Aug 86 1800	5 Sep 87 1400
	C4		759138	768566	8 Aug 86 1800	5 Sep 87 1400
	T5	220	759138	768566	8 Aug 86 1800	5 Sep 87 1400
	C5		759138	768566	8 Aug 86 1800	5 Sep 87 1400
	T6	269	759138	768566	8 Aug 86 1800	5 Sep 87 1400
	C6		759174	768562	10 Aug 86 0600	5 Sep 87 1200
	T	328	759175	768563	10 Aug 86 0700	5 Sep 87 1100
C		759175	765672	10 Aug 86 0700	8 May 87 0000	
P1		759175	767940	10 Aug 86 0700	10 Aug 87 1200	
P2		759175	768563	10 Aug 86 0700	5 Sep 87 1100	
Jordan Basin	T0	1	759138	763659	8 Aug 86 1600	13 Feb 87 0300
	T1	19	759138	763659	8 Aug 86 1600	13 Feb 87 0300
	C1		759138	763659	8 Aug 86 1600	13 Feb 87 0300
	T2	69	Sensor failed			
	C2		759138	763659	8 Aug 86 1600	13 Feb 87 0300
	T3	118	759138	763659	8 Aug 86 1600	13 Feb 87 0300
	C3		759138	763659	8 Aug 86 1600	13 Feb 87 0300
	T4	169	759138	763659	8 Aug 86 1600	13 Feb 87 0300
	C4		759138	761295	8 Aug 86 1600	6 Nov 86 1500
	T5	218	759138	760012	8 Aug 86 1600	14 Sep 86 0400
	C5		759138	759685	8 Aug 86 1600	31 Aug 86 1300
	T0	1	765234	768591	19 Apr 87 1800	6 Sep 87 1500
	T1	16	765234	768591	19 Apr 87 1800	6 Sep 87 1500
	C1		765234	768591	19 Apr 87 1800	6 Sep 87 1500
	T2	66	765234	768591	19 Apr 87 1800	6 Sep 87 1500
	C2		765234	768591	19 Apr 87 1800	6 Sep 87 1500
	T3	115	765234	768591	19 Apr 87 1800	6 Sep 87 1500
	C3		765234	768591	19 Apr 87 1800	6 Sep 87 1500
	T4	165	765234	768591	19 Apr 87 1800	6 Sep 87 1500
	C4		765234	768591	19 Apr 87 1800	6 Sep 87 1500
	T5	217	765234	768591	19 Apr 87 1800	6 Sep 87 1500
	C5		765234	768591	19 Apr 87 1800	6 Sep 87 1500
	T	285	759098	768686	7 Aug 86 0200	10 Sep 87 1400
C		759098	768686	7 Aug 86 0200	10 Sep 87 1400	
P1		759098	768686	7 Aug 86 0200	10 Sep 87 1400	
P2		759098	768686	7 Aug 86 0200	10 Sep 87 1400	
Northeast Channel	T0	1	759744	762211	3 Sep 86 0000	14 Dec 86 1900
	T1	21	759744	763446	3 Sep 86 0000	4 Feb 87 0600
	C1		759744	763446	3 Sep 86 0000	4 Feb 87 0600
	T2	72	759744	763446	3 Sep 86 0000	4 Feb 87 0600
	C2		759744	763446	3 Sep 86 0000	4 Feb 87 0600
	T3	116	759744	761854	3 Sep 86 0000	29 Nov 86 2200
	C3		759744	761854	3 Sep 86 0000	29 Nov 86 2200
	T4	161	759744	763446	3 Sep 86 0000	4 Feb 87 0600
	C4		759744	763446	3 Sep 86 0000	4 Feb 87 0600
	T0	1	764900	768546	5 Apr 87 2000	4 Sep 87 1800
	T1	21	764900	768546	5 Apr 87 2000	4 Sep 87 1800
	C1		764900	768546	5 Apr 87 2000	4 Sep 87 1800
	T2	72	764900	768546	5 Apr 87 2000	4 Sep 87 1800
	C2		764900	768546	5 Apr 87 2000	4 Sep 87 1800
	T3	116	764900	768546	5 Apr 87 2000	4 Sep 87 1800
	C3		764900	768546	5 Apr 87 2000	4 Sep 87 1800
	T4	161	764900	768546	5 Apr 87 2000	4 Sep 87 1800
C4		764900	768546	5 Apr 87 2000	4 Sep 87 1800	
T,C,P	200	Instrument not recovered				
Wilkinson Basin	T0	1	762950	764940	14 Jan 87 1400	7 Apr 87 1200
	T1	16	762950	764940	14 Jan 87 1400	7 Apr 87 1200
	C1		762950	764940	14 Jan 87 1400	7 Apr 87 1200
	T2	66	762950	764940	14 Jan 87 1400	7 Apr 87 1200
	C2		762950	764940	14 Jan 87 1400	7 Apr 87 1200
	T3	115	762950	764940	14 Jan 87 1400	7 Apr 87 1200
	C3		762950	764940	14 Jan 87 1400	7 Apr 87 1200
	T4	165	762950	764940	14 Jan 87 1400	7 Apr 87 1200
	C4		762950	764940	14 Jan 87 1400	7 Apr 87 1200
	T5	217	Sensor failed			
	C5		762950	764940	14 Jan 87 1400	7 Apr 87 1200
	T	273	762952	764876	14 Jan 87 1600	4 Apr 87 2000
	C		762952	764876	14 Jan 87 1600	4 Apr 87 2000
	P1		762952	764876	14 Jan 87 1600	4 Apr 87 2000
P2		762952	764876	14 Jan 87 1600	4 Apr 87 2000	

Table 2. continued. Graphical representation of Gulf of Maine moored temperature/conductivity and bottom pressure measurements.

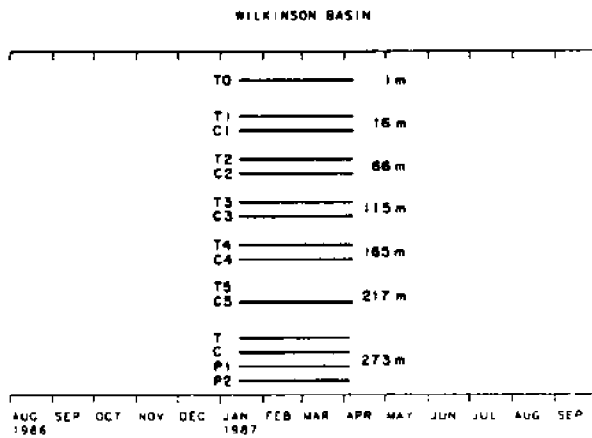
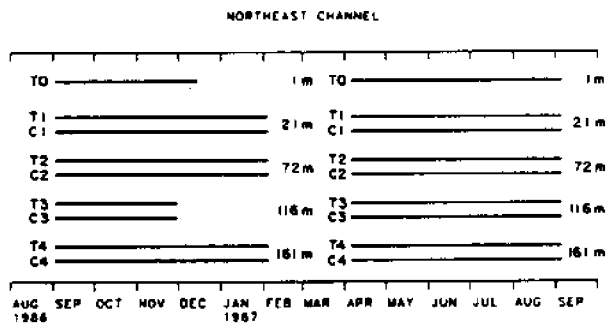
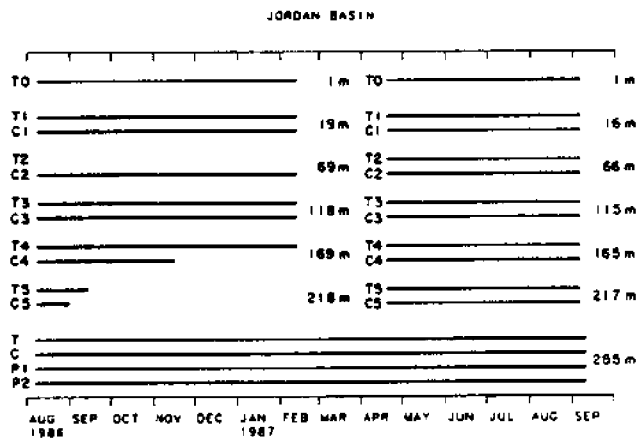
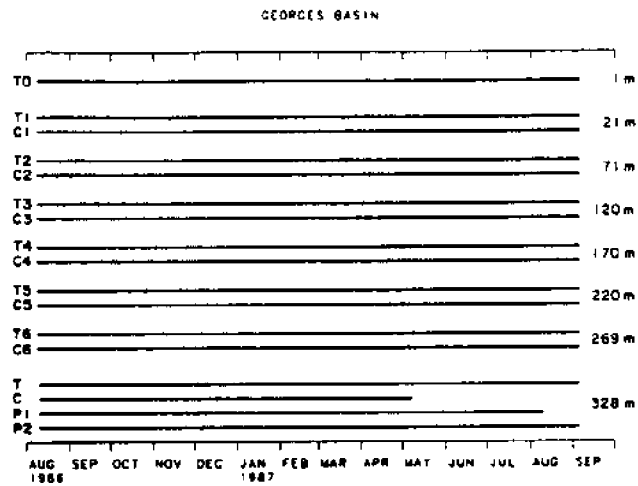


Table 3. CTD Station Information for R/V Endeavor Cruise EN165, 28 July-5 August 1987. Nearby moorings are indicated in parentheses where appropriate. Position, depth, date, and time are for start of cast.

CTD station Number	Latitude (deg min N)	Longitude (deg min W)	depth (m)	date (1987)	time (UTC)
1	42 25.16	70 14.00	65	28 Jul	2227
2	42 26.89	69 59.89	185	29 Jul	0016
3	42 29.07	69 45.12	268	29 Jul	0157
4 (W1)	42 30.66	69 29.27	273	29 Jul	0402
5	42 33.06	69 14.96	221	29 Jul	0552
6	42 34.54	68 59.96	192	29 Jul	0736
7	42 35.51	68 45.11	189	29 Jul	0925
8	42 35.05	68 30.08	217	29 Jul	1820
9	42 34.39	68 15.23	190	29 Jul	2048
10	42 33.00	68 0.00	202	29 Jul	2219
11	42 32.37	67 44.98	226	29 Jul	2332
12	42 31.98	67 29.08	272	30 Jul	0059
13 (G1)	42 31.43	67 13.20	320	30 Jul	0257
14	42 21.57	67 11.39	319	30 Jul	0437
15	42 16.27	67 10.75	262	30 Jul	0544
16	42 11.97	67 10.48	184	30 Jul	0650
17	42 9.69	67 10.20	112	30 Jul	0728
18	42 8.40	67 9.95	82	30 Jul	0804
19	42 7.15	66 46.26	65	30 Jul	0947
20	42 8.86	66 46.11	98	30 Jul	1018
21	42 11.98	66 46.15	209	30 Jul	1055
22	42 19.74	66 46.12	300	30 Jul	1209
23	42 27.92	66 46.09	326	30 Jul	1323
24	42 34.90	66 40.71	208	30 Jul	1436
25	42 42.00	66 34.09	162	30 Jul	1539
26	42 49.53	66 25.95	122	30 Jul	1646
27	42 55.08	66 20.97	142	30 Jul	1737
28	43 2.04	66 14.90	100	30 Jul	1837
29	42 52.01	66 0.93	107	30 Jul	2004
30	42 42.50	65 47.59	92	30 Jul	2126
31	42 30.06	65 45.99	87	30 Jul	2243
32	42 28.07	65 47.40	95	30 Jul	2312
33 (N1)	42 20.77	65 53.58	207	31 Jul	0156
34	42 14.04	66 0.03	240	31 Jul	0337
35	42 6.97	66 3.72	182	31 Jul	0446
36	42 2.08	66 10.83	87	31 Jul	0604
37	42 23.01	66 7.79	251	31 Jul	0915
38	42 24.44	66 19.96	250	31 Jul	1047
39	42 26.39	66 33.76	290	31 Jul	1227
40	42 29.87	66 59.98	332	31 Jul	1458
41 (G1)	42 31.41	67 13.13	325	31 Jul	1632
42	42 20.10	67 34.94	266	31 Jul	1838
43	42 13.90	67 44.90	226	31 Jul	1954
44	42 8.02	67 55.73	224	31 Jul	2100
45	42 2.14	68 6.94	223	31 Jul	2230

Table 3. Continued.

CTD station Number	Latitude (deg min N)	Longitude (deg min W)	depth (m)	date (1987)	time (UTC)
46	41 56.00	68 17.00	196	31 Jul	2345
47	41 51.03	68 13.90	186	01 Aug	0036
48	41 48.66	68 11.86	96	01 Aug	0116
49	41 46.03	68 10.05	57	01 Aug	0146
50	41 30.08	68 25.99	70	01 Aug	0345
51	41 30.02	68 37.86	111	01 Aug	0450
52	41 30.06	68 52.47	147	01 Aug	0610
53	41 29.94	69 7.41	156	01 Aug	0733
54	41 29.94	69 19.93	83	01 Aug	0856
55	41 30.11	69 32.99	35	01 Aug	1006
56	41 39.94	69 32.49	103	01 Aug	1120
57	41 50.13	69 32.06	178	01 Aug	1228
58	42 0.94	69 30.94	213	01 Aug	1347
59	42 11.29	69 29.01	202	01 Aug	1458
60	42 21.66	69 30.00	232	01 Aug	1608
61 (W1)	42 30.58	69 29.05	273	01 Aug	1731
62	42 36.02	69 17.49	223	01 Aug	1857
63	42 42.44	69 7.33	150	01 Aug	2023
64	42 48.58	68 56.12	123	01 Aug	2136
65	42 55.07	68 46.34	201	01 Aug	2246
66	43 1.18	68 37.24	203	01 Aug	2355
67	43 7.76	68 26.59	188	02 Aug	0109
68	43 12.57	68 18.19	190	02 Aug	0212
69	43 16.95	68 10.65	198	02 Aug	0308
70	43 22.11	68 1.20	236	02 Aug	0411
71 (J1)	43 29.28	67 52.99	283	02 Aug	0535
72	43 22.91	67 42.13	249	02 Aug	0659
73	43 17.60	67 31.44	213	02 Aug	0815
74	43 11.69	67 20.34	196	02 Aug	0927
75	43 5.86	67 9.98	207	02 Aug	1030
76	42 57.32	67 10.89	250	02 Aug	2107
77	42 48.76	67 11.67	214	02 Aug	2213
78	42 40.10	67 13.05	257	02 Aug	2317
79 (G1)	42 31.13	67 12.98	326	03 Aug	0020
80	42 41.96	67 6.94	240	03 Aug	0155
81	42 51.95	66 59.88	211	03 Aug	0314
82	43 3.08	66 51.45	158	03 Aug	0439
83	43 4.95	67 29.92	210	03 Aug	0720
84	43 5.96	67 19.96	197	03 Aug	0815
85	43 6.00	67 10.01	207	03 Aug	0910
86	43 7.99	67 0.05	173	03 Aug	1005
87	43 10.98	66 51.98	158	03 Aug	1052
88	43 14.09	66 43.98	118	03 Aug	1143
89	43 25.00	66 35.49	99	03 Aug	1259
90	43 35.94	66 28.48	83	03 Aug	1417
91	43 34.57	66 44.93	124	03 Aug	1535
92	43 33.05	67 2.52	203	03 Aug	1659
93	43 31.50	67 20.01	227	03 Aug	1833
94	43 30.00	67 36.15	223	03 Aug	2003

Table 3. Continued.

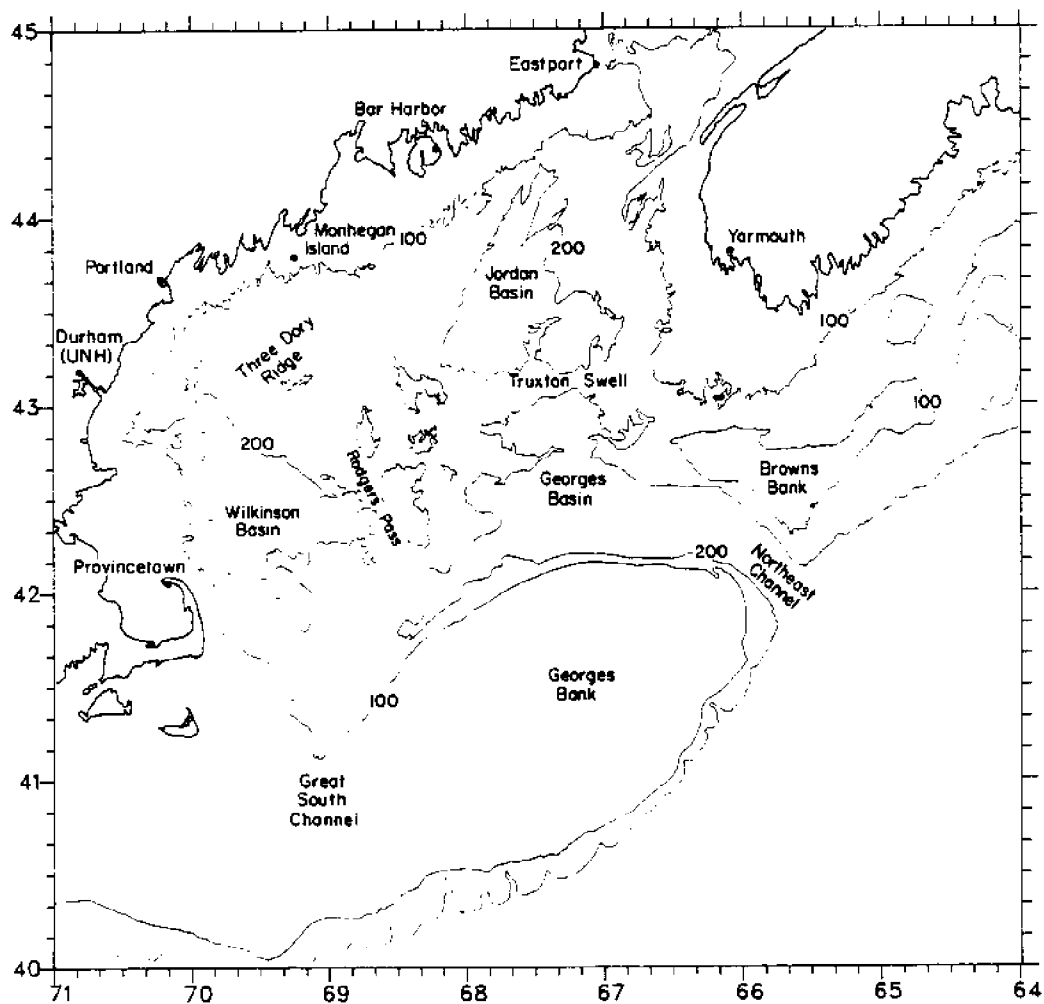
CTD station Number	Latitude (deg min N)	Longitude (deg min W)	depth (m)	date (1987)	time (UTC)
95 (J1)	43 29.44	67 52.11	282	03 Aug	2204
96	43 38.36	67 46.52	238	03 Aug	2333
97	43 47.68	67 40.34	225	04 Aug	0119
98	43 56.75	67 35.23	209	04 Aug	0244
99	44 5.87	67 28.87	238	04 Aug	0406
100	44 21.91	67 20.74	117	04 Aug	0558
101	44 11.07	67 46.09	188	04 Aug	0810
102	44 1.19	68 13.22	99	04 Aug	1040
103	43 51.03	68 6.13	168	04 Aug	1206
104	43 40.05	68 0.06	185	04 Aug	1504
105 (J1)	43 29.63	67 52.53	286	04 Aug	1621
106	43 31.27	68 6.96	190	04 Aug	1744
107	43 33.22	68 20.00	203	04 Aug	1902
108	43 35.48	68 35.03	122	04 Aug	2031
109	43 37.96	68 49.48	115	04 Aug	2136
110	43 40.02	69 5.05	119	04 Aug	2250
111	43 42.20	69 17.98	112	04 Aug	2354
112	43 32.03	69 19.95	126	05 Aug	0103
113	43 22.84	69 21.53	172	05 Aug	0209
114	43 12.26	69 22.99	174	05 Aug	0326
115	43 1.66	69 24.06	193	05 Aug	0442
116	42 51.03	69 25.16	149	05 Aug	0616
117	42 41.06	69 26.98	240	05 Aug	0728
118	42 39.98	69 36.46	280	05 Aug	0839
119	42 47.95	69 44.00	257	05 Aug	1006
120	42 56.96	69 51.04	224	05 Aug	1131
121	43 4.94	69 57.52	177	05 Aug	1246
122	43 0.02	70 17.90	150	05 Aug	1443
123	43 1.49	70 24.02	106	05 Aug	1531
124	43 3.01	70 30.05	71	05 Aug	1623
125	43 3.53	70 34.12	43	05 Aug	1705
126	43 4.02	70 38.00	20	05 Aug	1751

**Table 4. Estimated uncertainties in the measured parameters after processing and corrections described in Section C.**

pressure	±0.2 dbar
temperature	±0.005 °C
salinity	±0.007 ppt

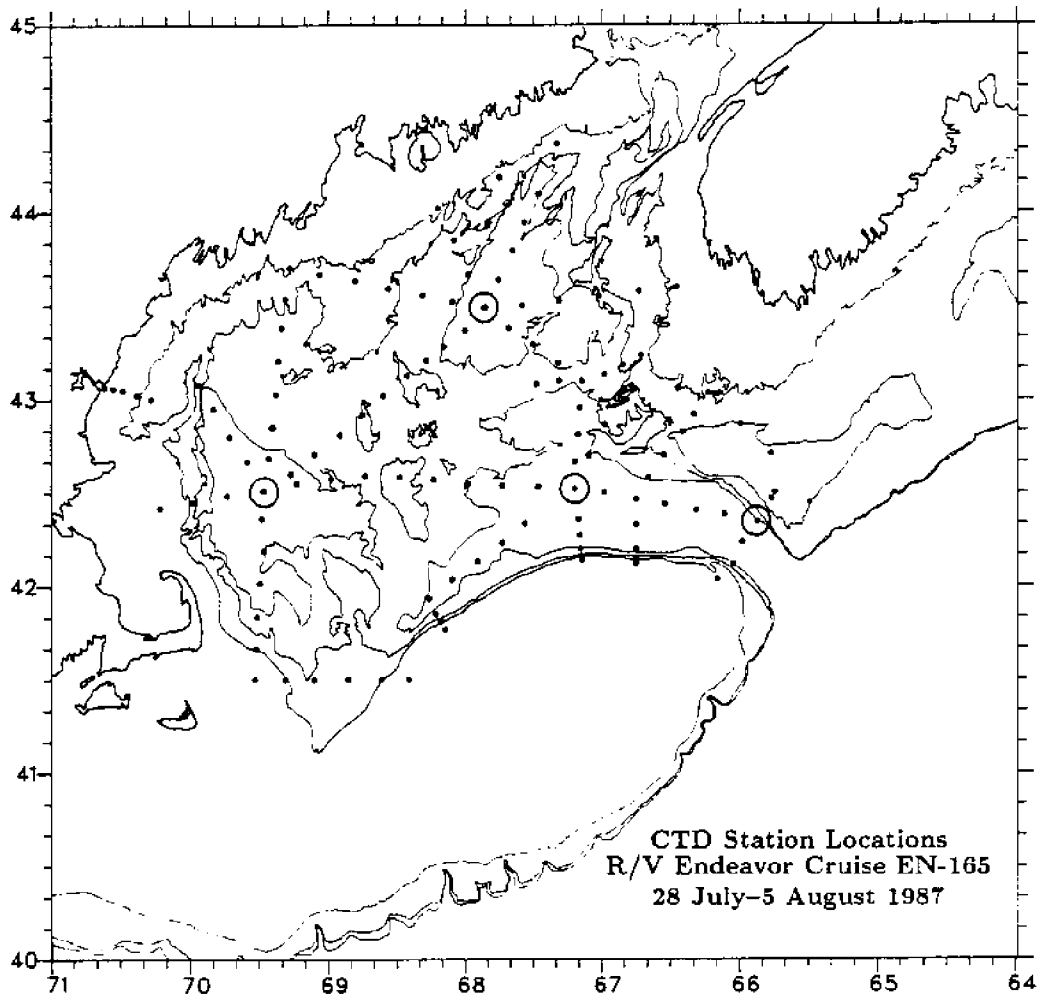


# GULF OF MAINE



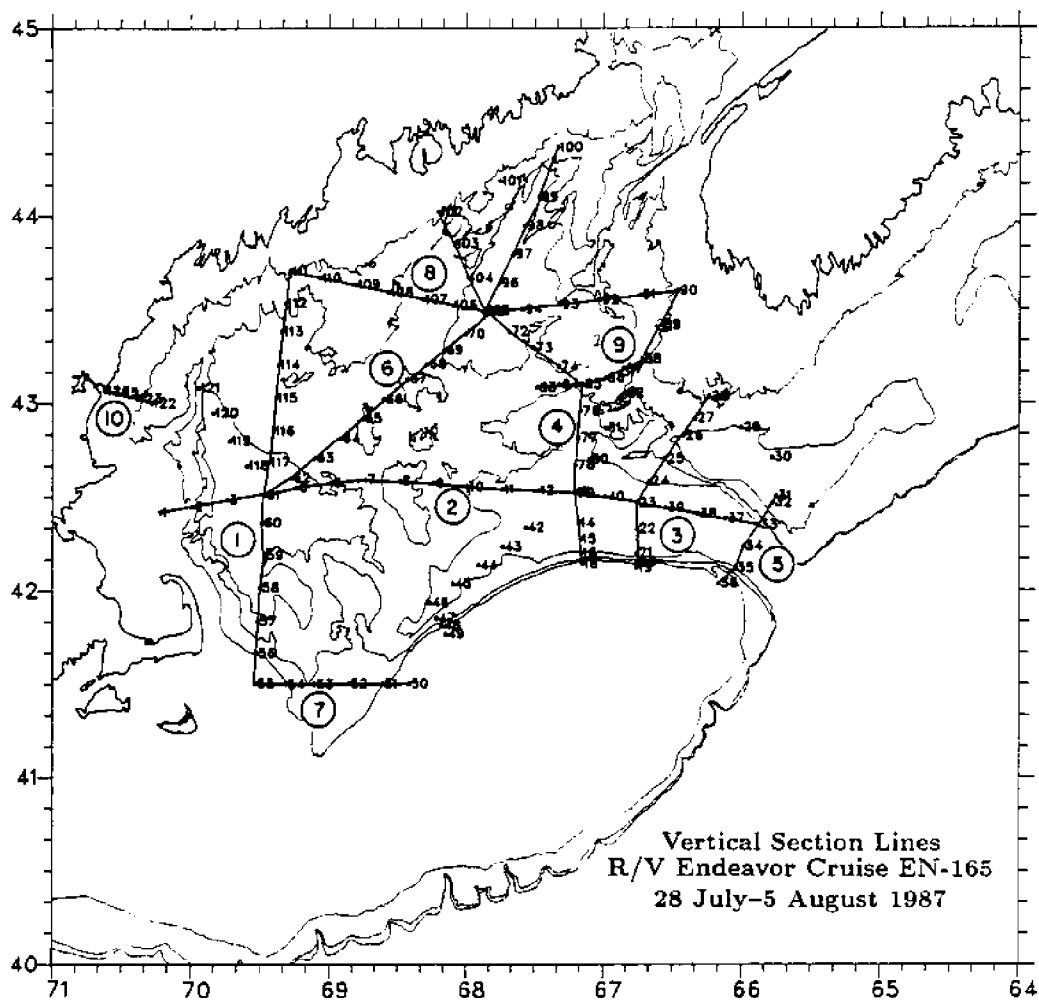
**Figure 1.** Location map of the Gulf of Maine. The 100 m and 200 m isobaths define the major bathymetric features.

# GULF OF MAINE CTD STATION LOCATIONS JUL-AUG 1987

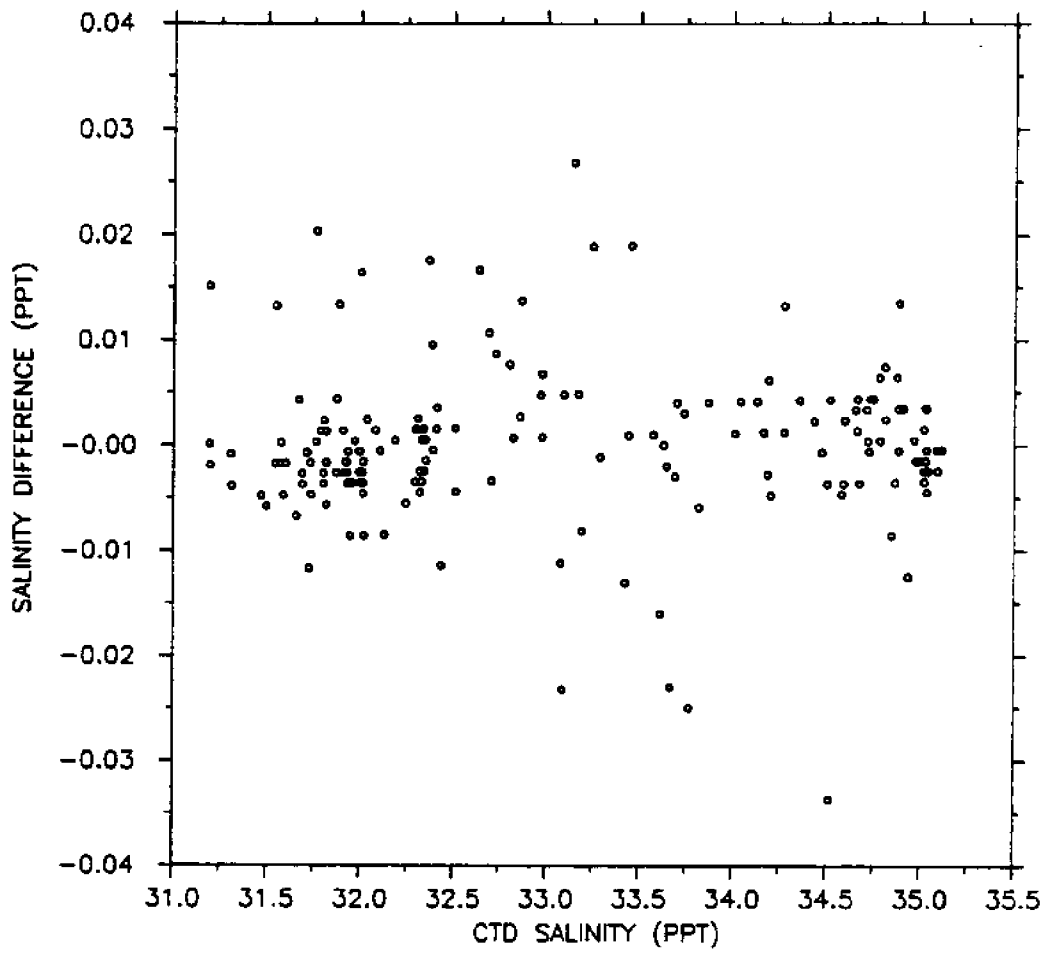


**Figure 2.** CTD station locations during the 28 July-5 August 1987 hydrographic survey on the R/V Endeavor cruise EN-165. Open circles locate the temperature, conductivity, and bottom pressure mooring sites.

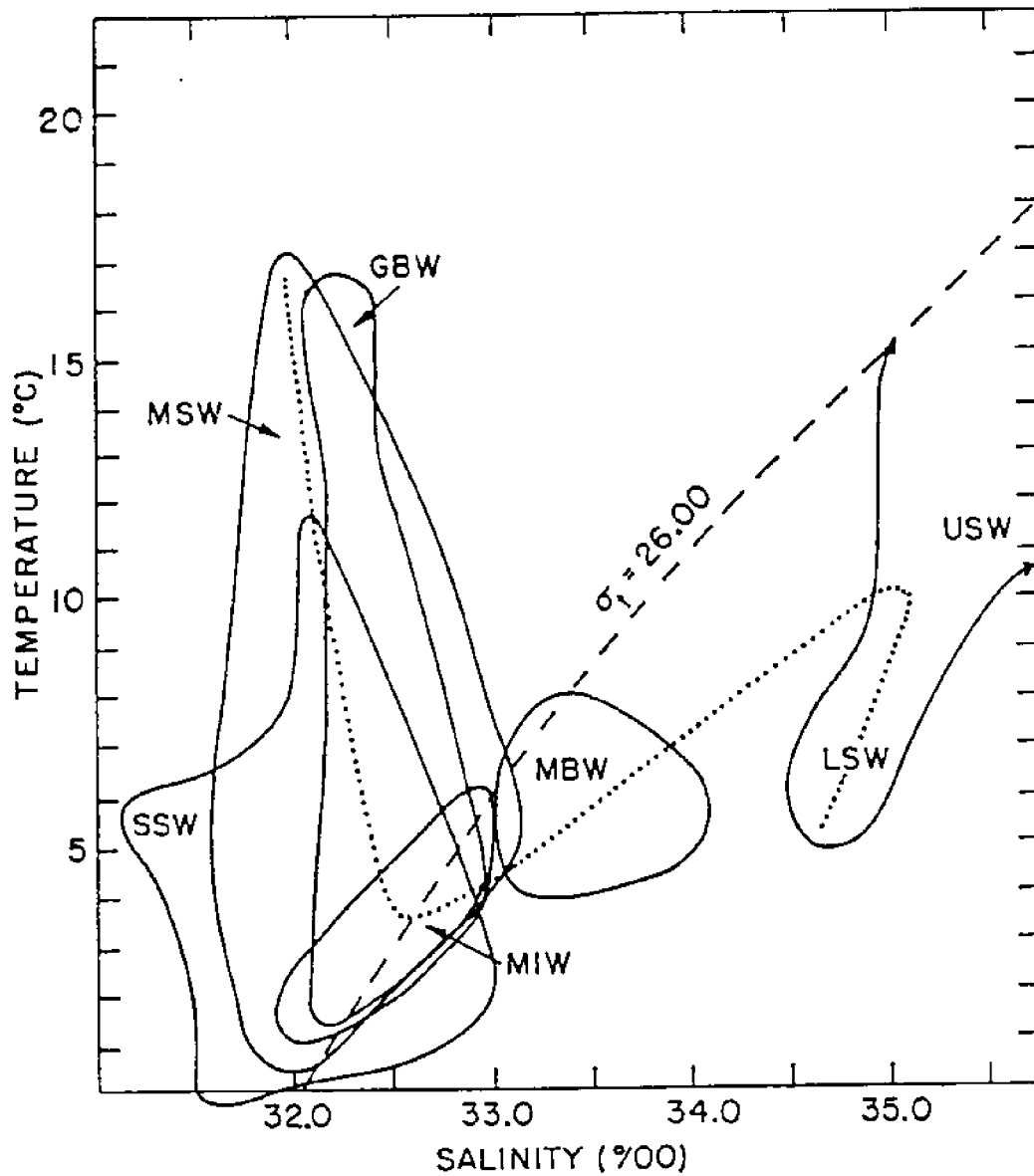
# GULF OF MAINE VERTICAL SECTION LINES JUL-AUG 1987



**Figure 3.** Vertical section locations during the 28 July-5 August 1987 hydrographic survey on the R/V Endeavor cruise EN-165.

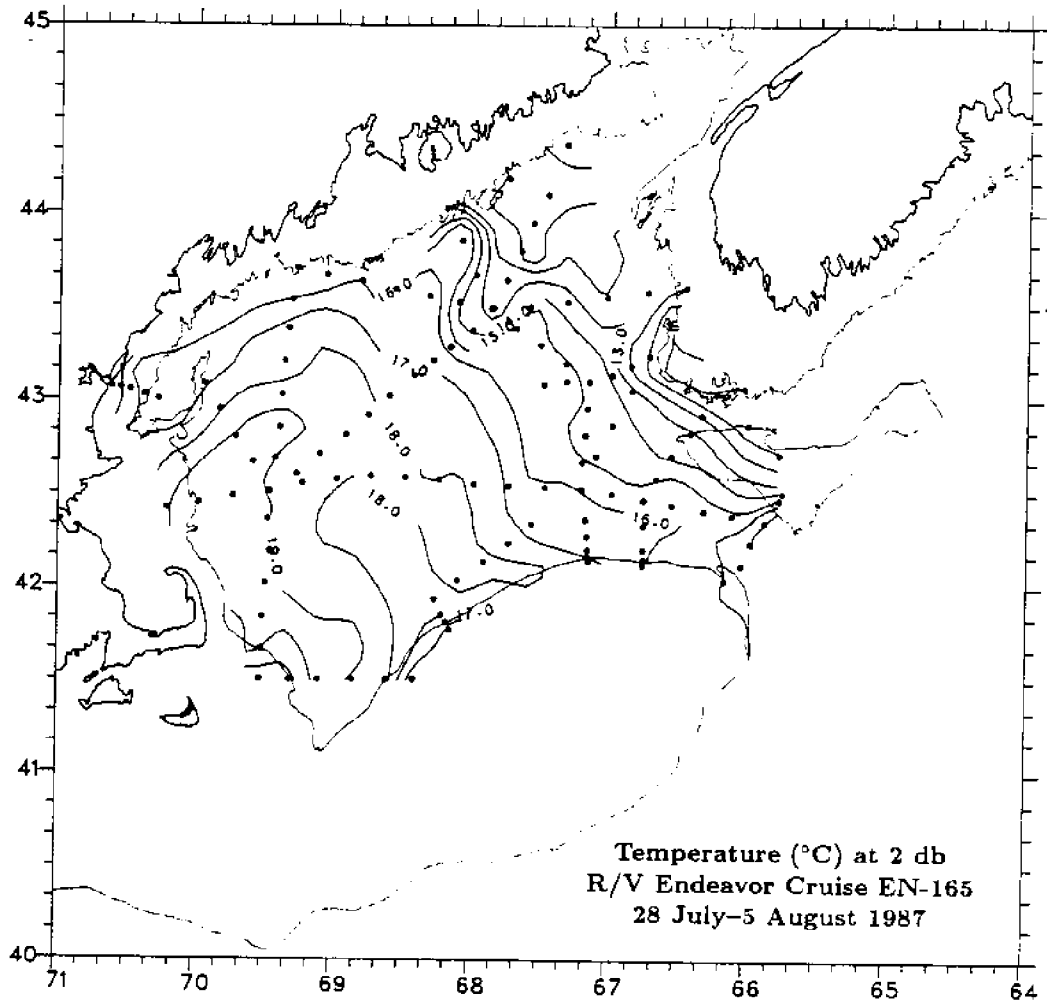


**Figure 4.** Deviations of bottle salinities from a linear fit for casts 1-103 between bottle and CTD salinities.



**Figure 5.** (from Hopkins and Garfield, 1979). T-S envelopes from a composite of the Colton et al. (1968) data from December 1965 to September 1966. The water mass abbreviations are MSW—Maine Surface Water; MIW—Maine Intermediate Water; MBW—Maine Bottom Water; SSW—Scotian Shelf Water; GBW—Georges Bank Water; USW—Upper Slope Water; and LSW—Lower Slope Water.

## 2 DB TEMPERATURE JULY-AUG 1987



**Figure 6.** Horizontal section contour plot of 2 db temperature. Units are °C and contour interval is 1°C.

2 DB SALINITY JULY-AUG 1987

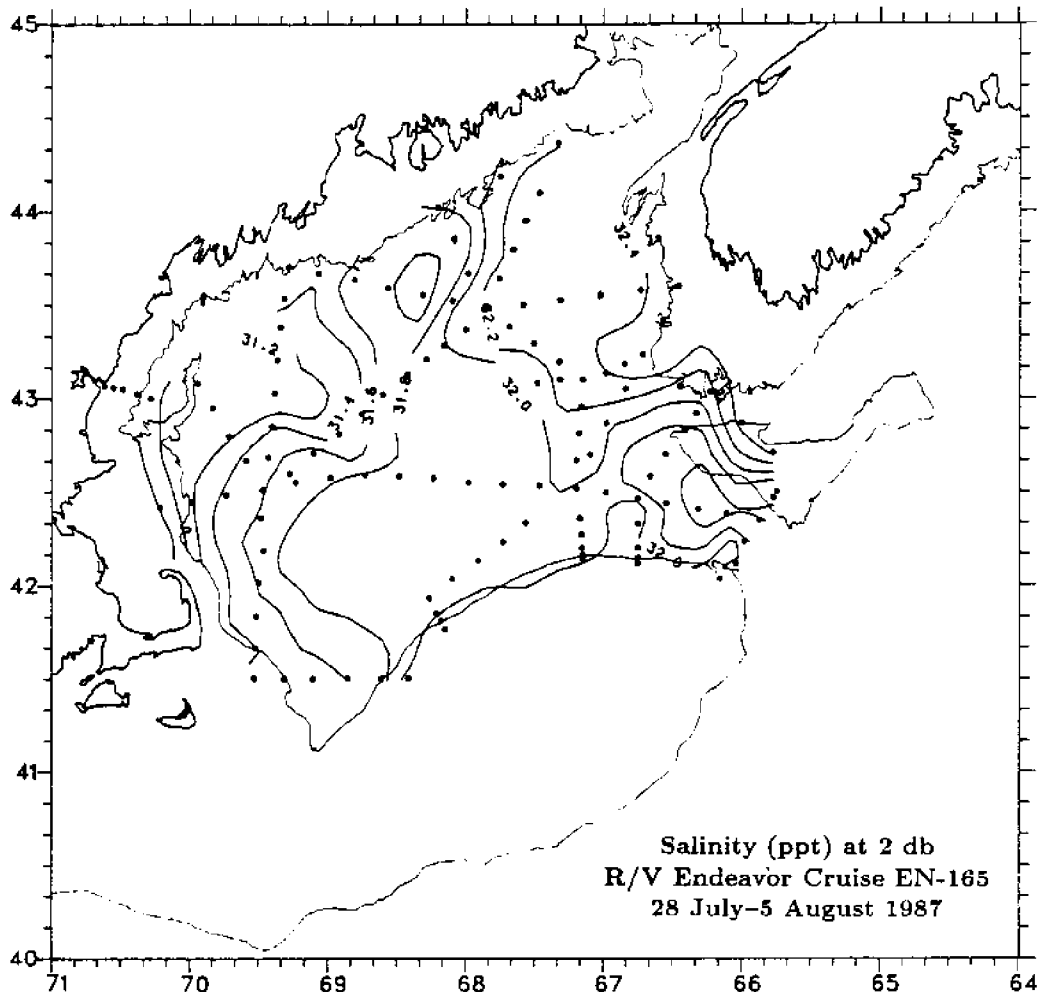


Figure 7. Horizontal section contour plot of 2 db salinity. Units are ppt and contour interval is 0.2 ppt.

## 2 DB SIGMA-THETA JULY-AUG 1987

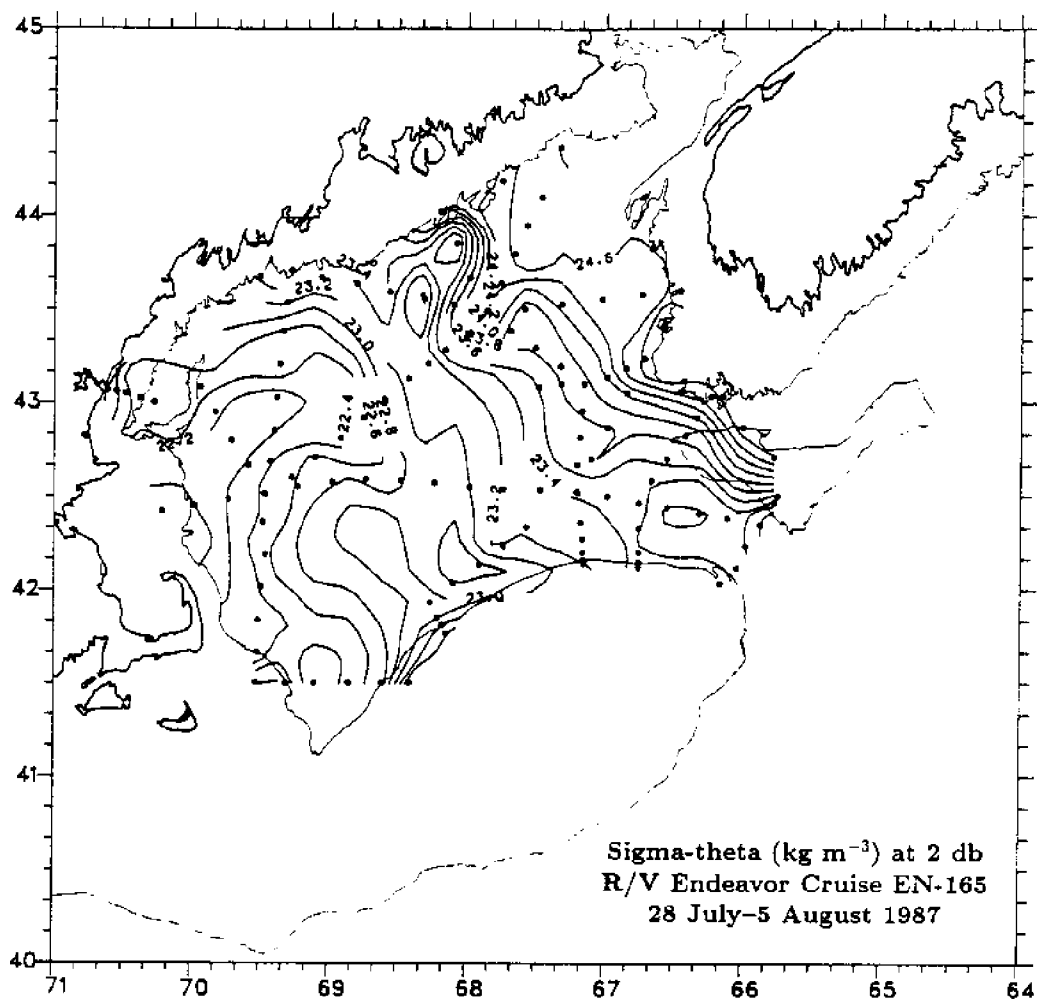


Figure 8. Horizontal section contour plot of 2 db sigma-theta. Units are  $\text{kg m}^{-3}$  and contour interval is  $0.2 \text{ kg m}^{-3}$ .



# 50 DB TEMPERATURE JULY-AUG 1987

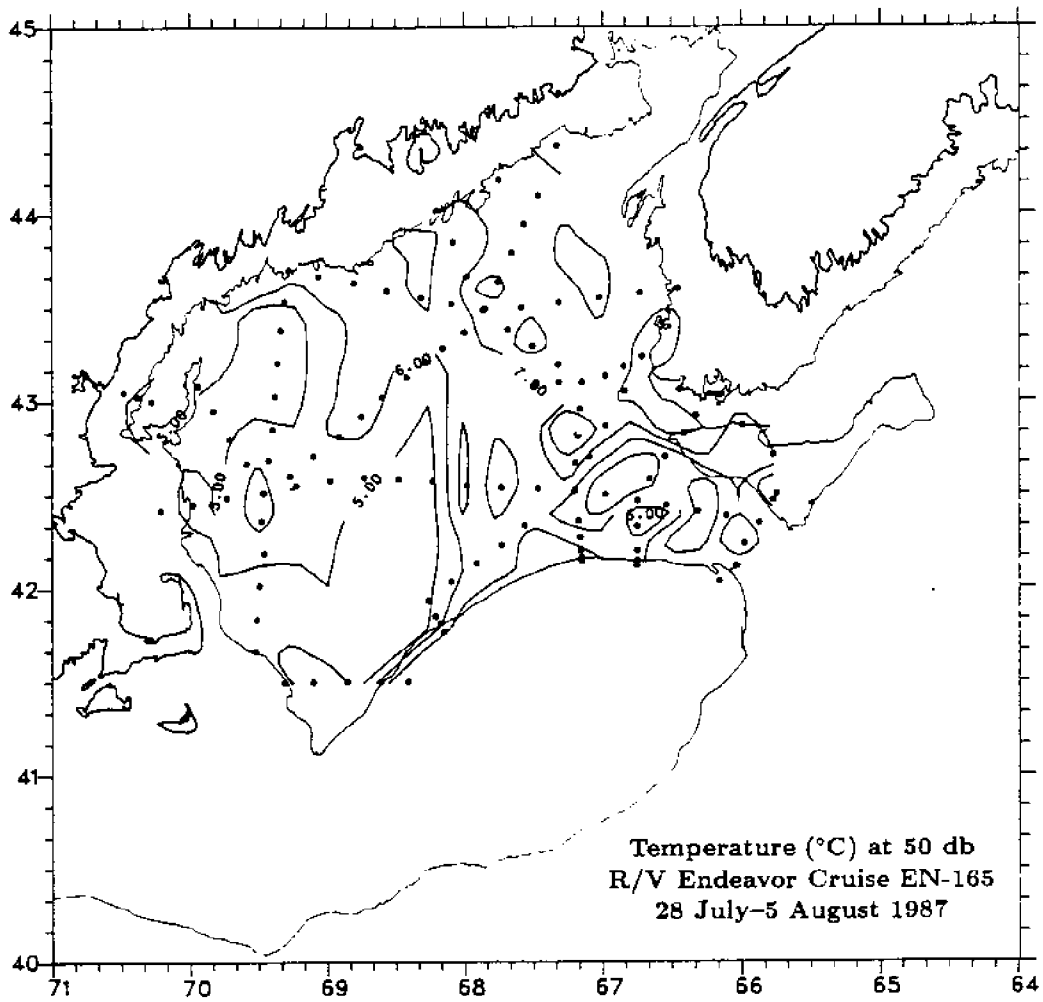


Figure 9. Horizontal section contour plot of 50 db temperature. Units are °C and contour interval is 1°C.

# 50 DB SALINITY JULY-AUG 1987

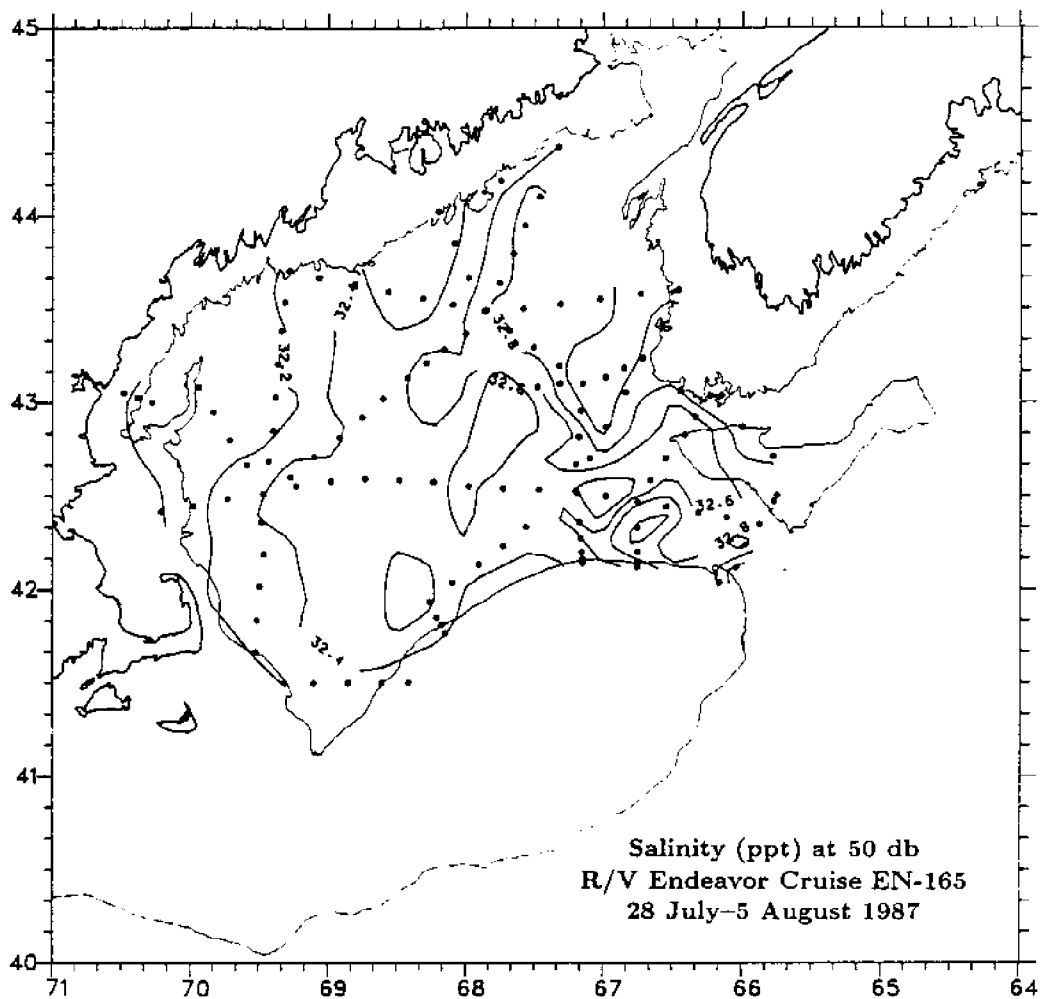


Figure 10. Horizontal section contour plot of 50 db salinity. Units are ppt and contour interval is 0.2 ppt.

50 DB SIGMA-THETA JULY-AUG 1987

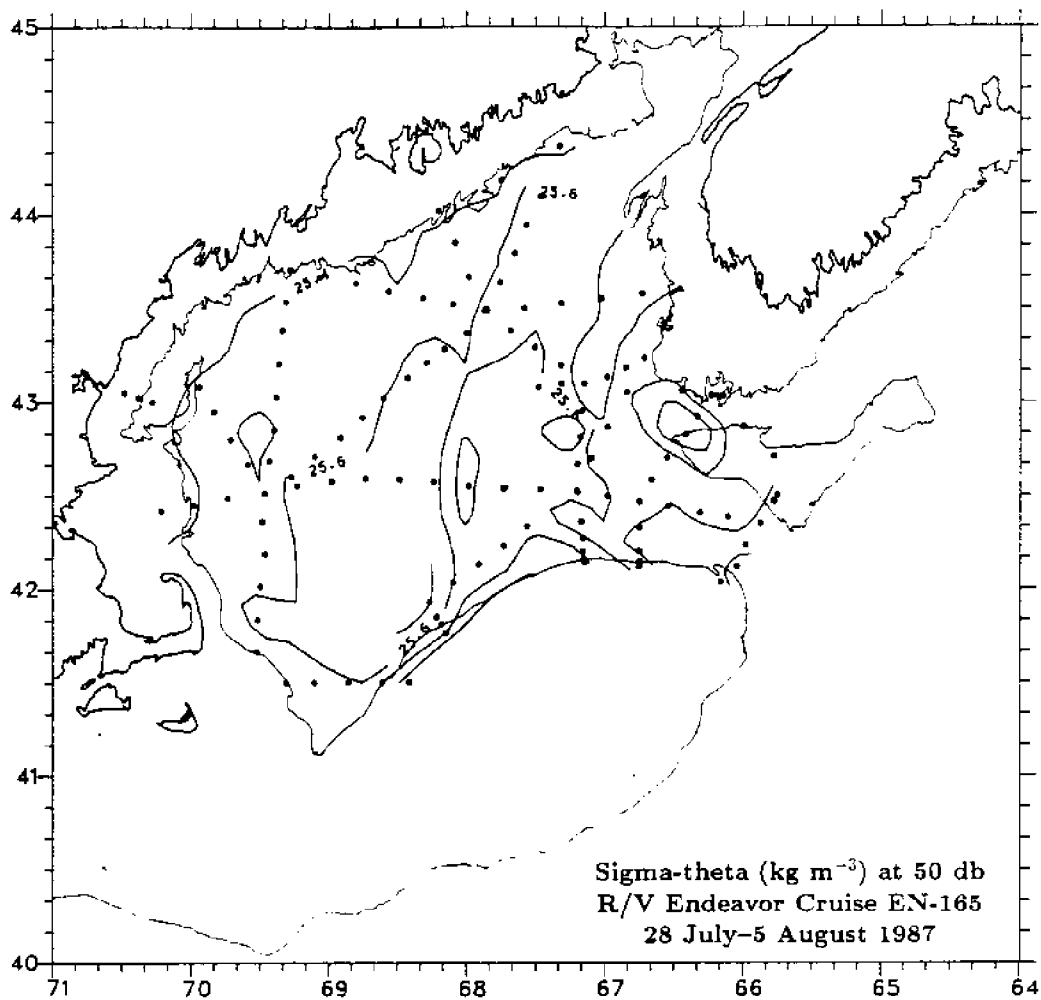


Figure 11. Horizontal section contour plot of 50 db sigma-theta. Units are  $\text{kg m}^{-3}$  and contour interval is  $0.2 \text{ kg m}^{-3}$ .

# 100 DB TEMPERATURE JULY-AUG 1987

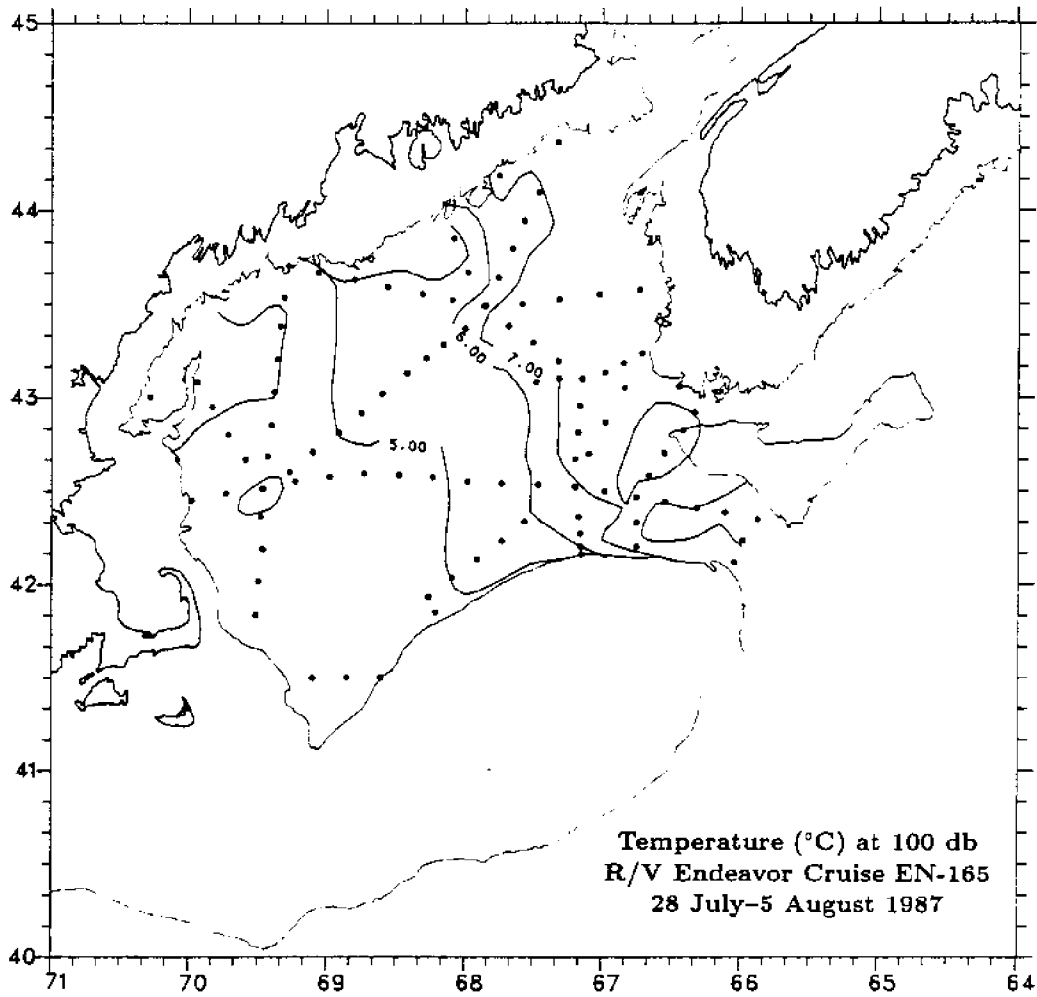


Figure 12. Horizontal section contour plot of 100 db temperature. Units are °C and contour interval is 1°C.

100 DB SALINITY JULY-AUG 1987

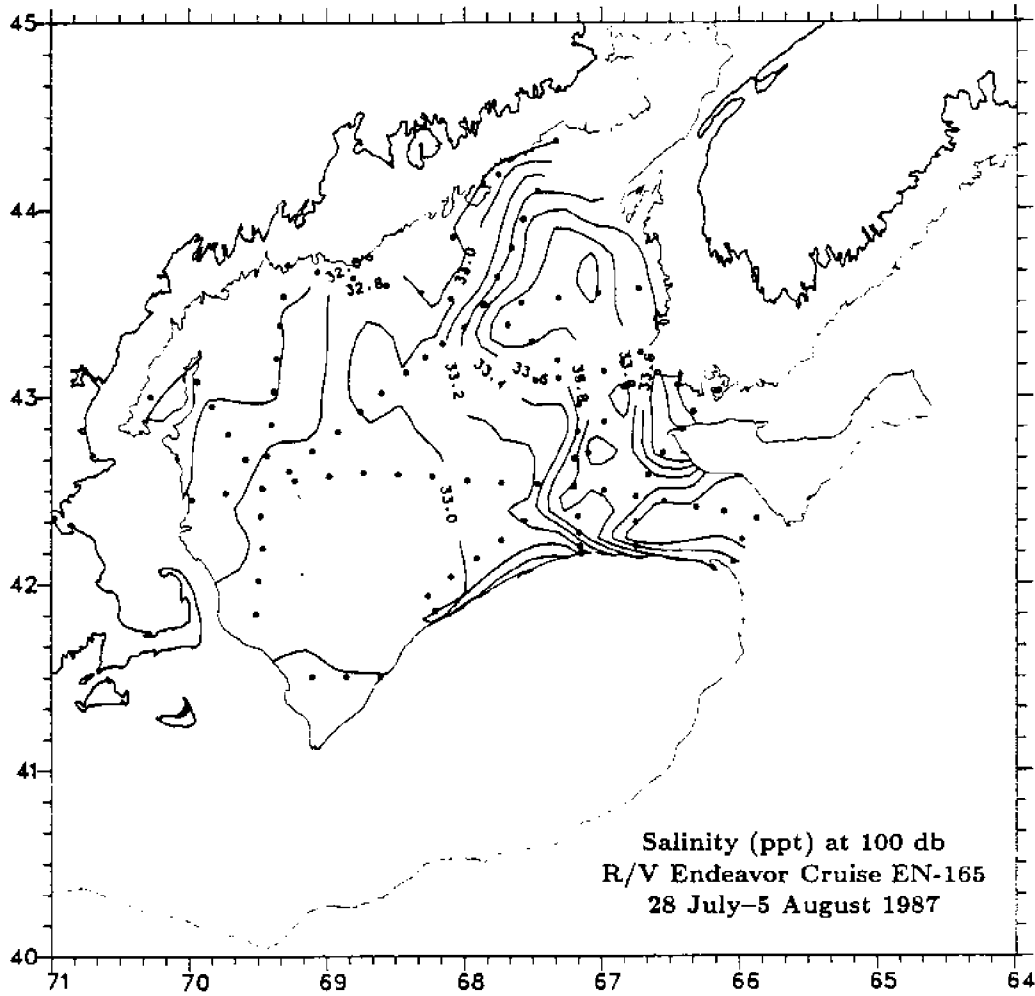


Figure 13. Horizontal section contour plot of 100 db salinity. Units are ppt and contour interval is 0.2 ppt.

100 DB SIGMA-THETA JULY-AUG 1987

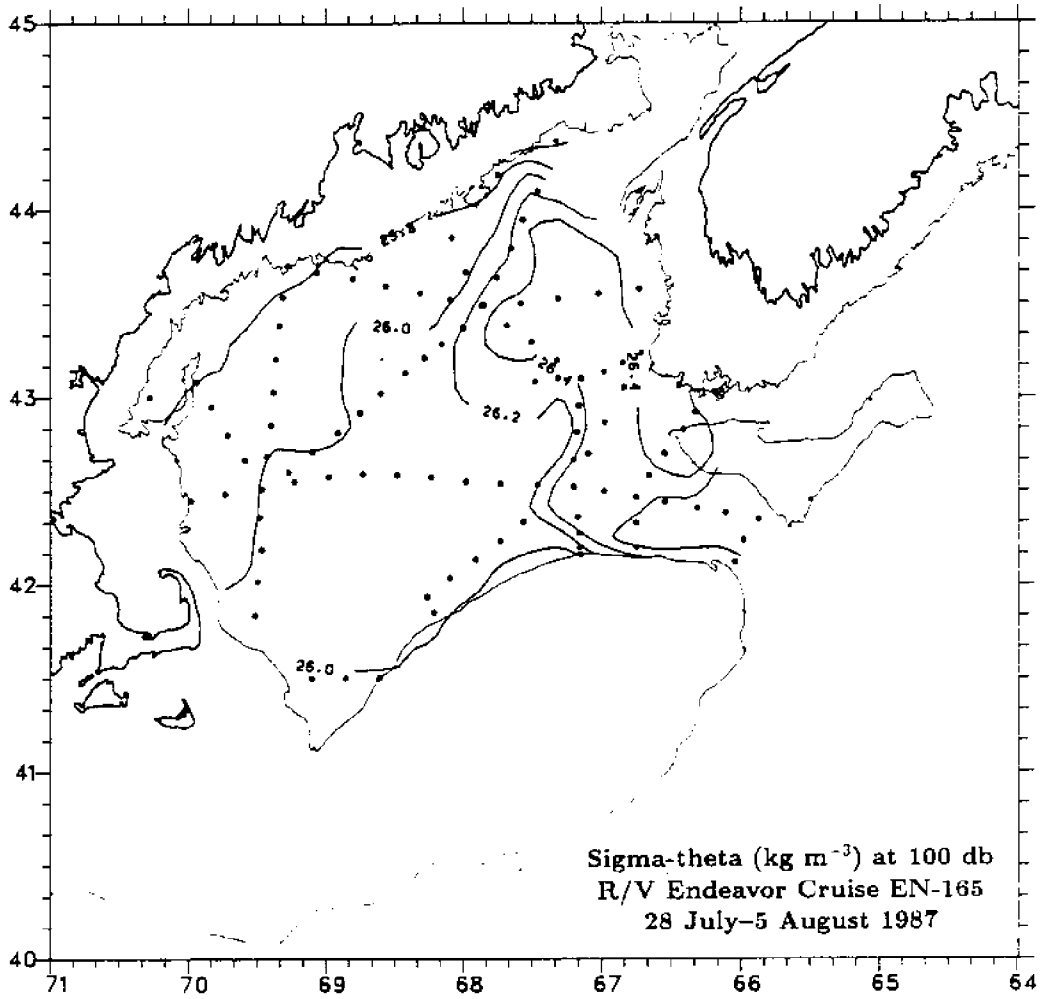


Figure 14. Horizontal section contour plot of 100 db sigma-theta. Units are  $kg m^{-3}$  and contour interval is  $0.2 kg m^{-3}$ .

# 150 DB TEMPERATURE JULY-AUG 1987

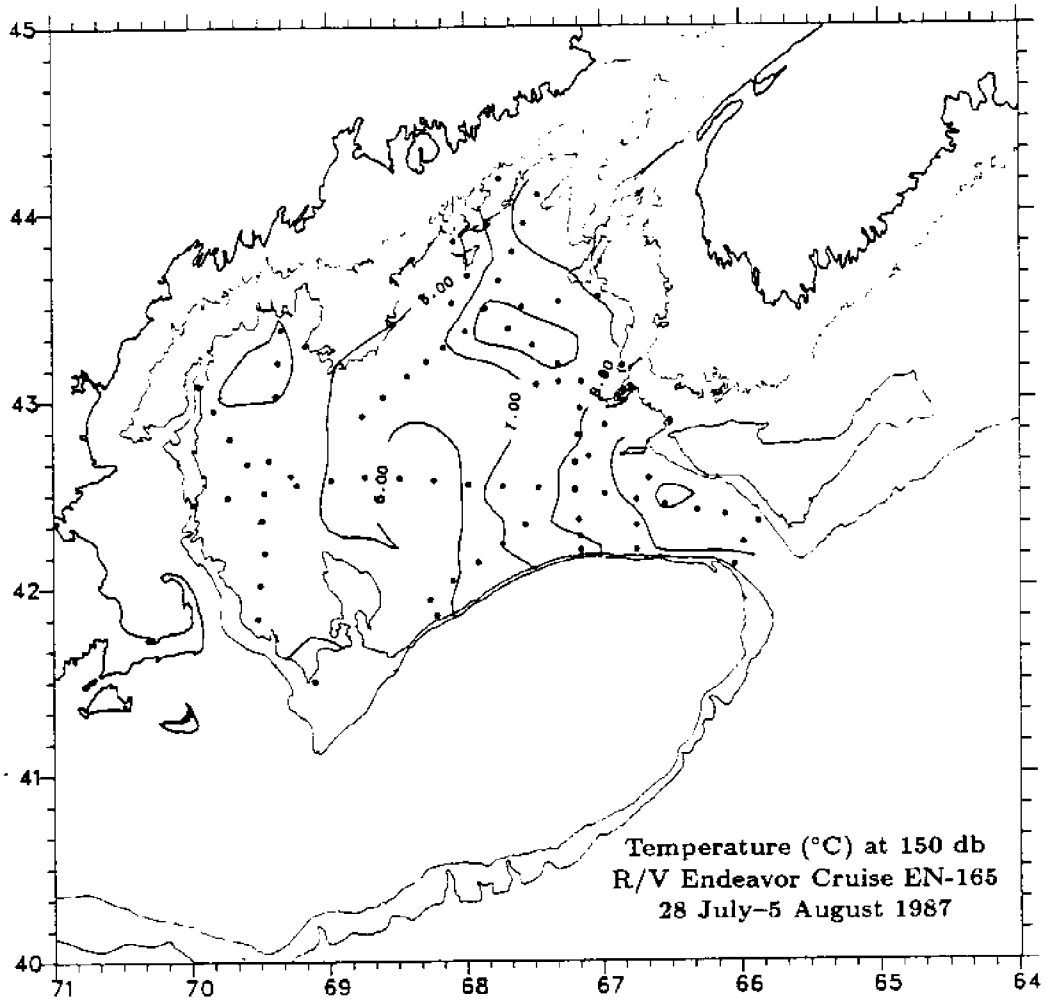


Figure 15. Horizontal section contour plot of 150 db temperature. Units are °C and contour interval is 1°C.

150 DB SALINITY JULY-AUG 1987

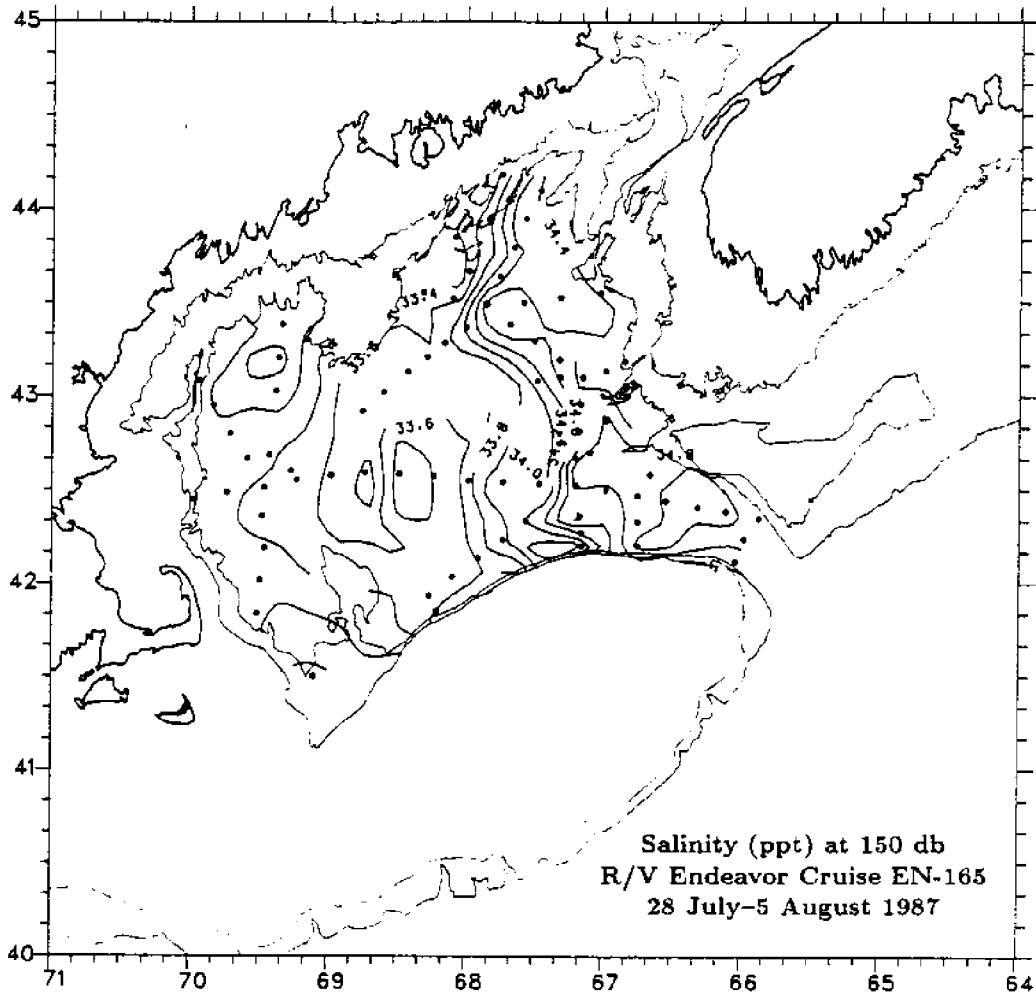


Figure 16. Horizontal section contour plot of 150 db salinity. Units are ppt and contour interval is 0.2 ppt.



150 DB SIGMA-THETA JULY-AUG 1987

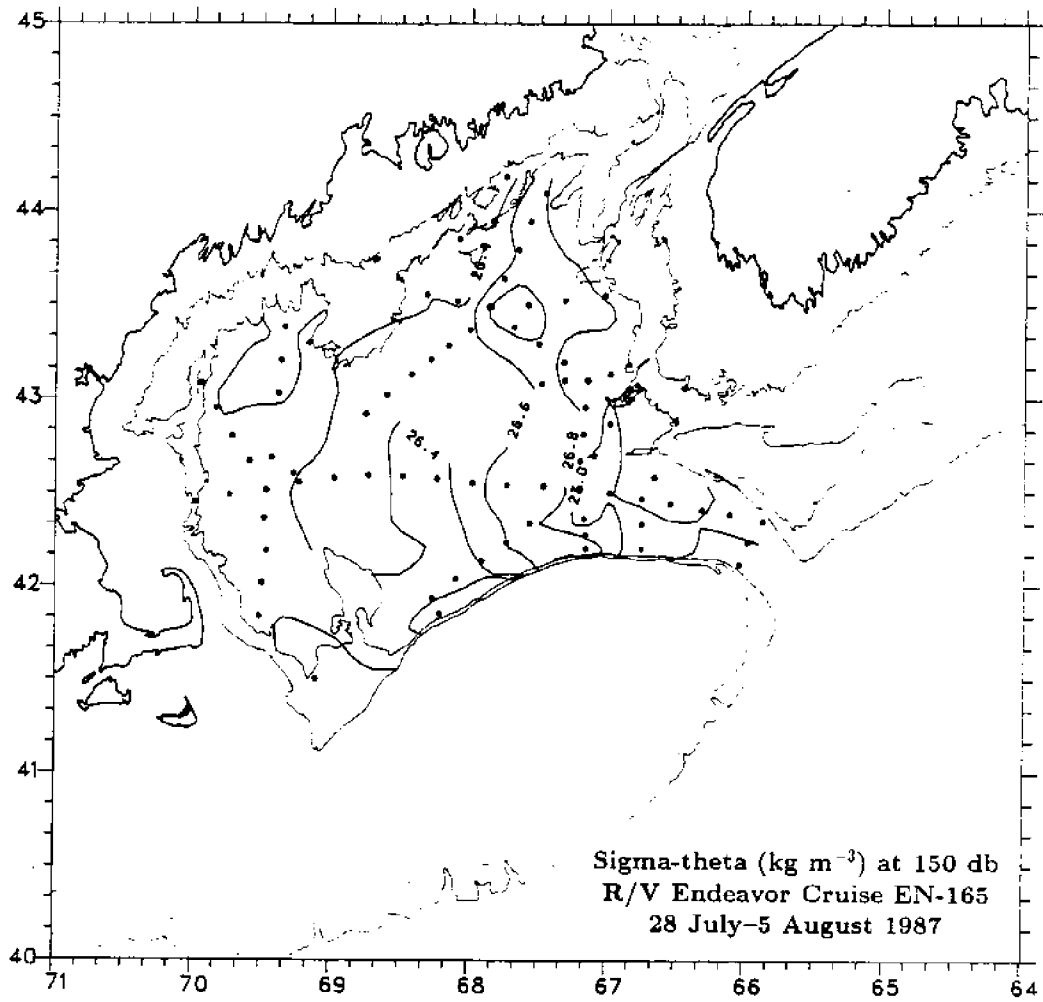


Figure 17. Horizontal section contour plot of 150 db sigma-theta. Units are  $\text{kg m}^{-3}$  and contour interval is  $0.2 \text{ kg m}^{-3}$ .

# 200 DB TEMPERATURE JULY-AUG 1987

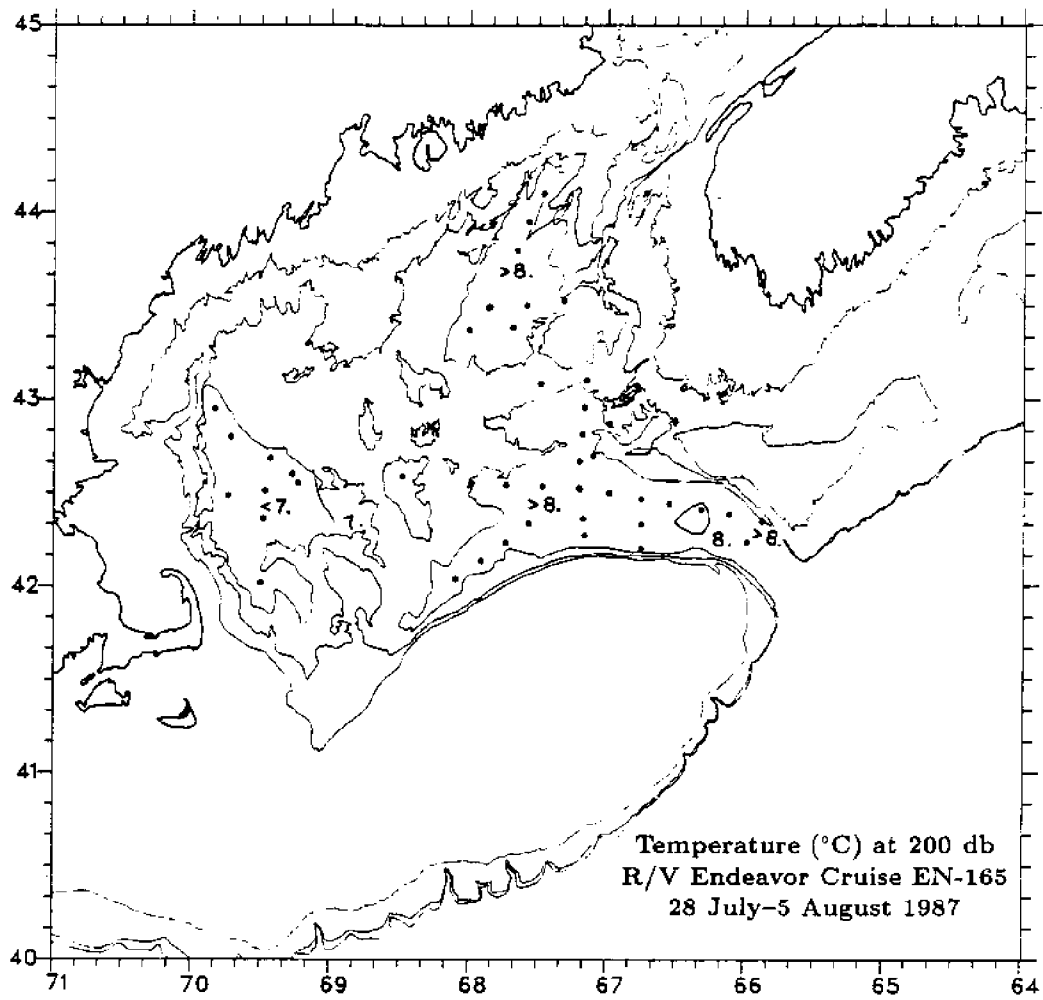


Figure 18. Horizontal section contour plot of 200 db temperature. Units are °C and contour interval is 1°C.

200 DB SALINITY JULY-AUG 1987

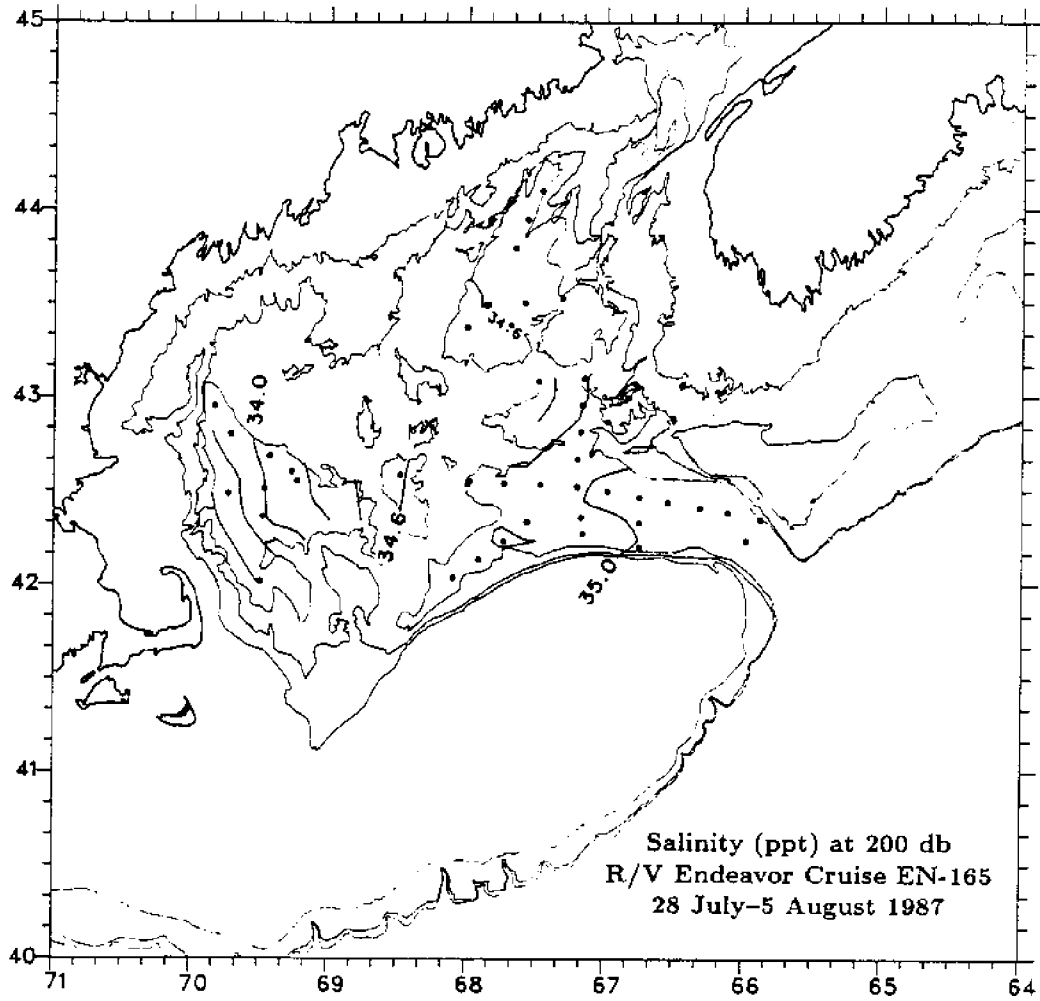


Figure 19. Horizontal section contour plot of 200 db salinity. Units are ppt and contour interval is 0.2 ppt.

200 DB SIGMA-THETA JULY-AUG 1987

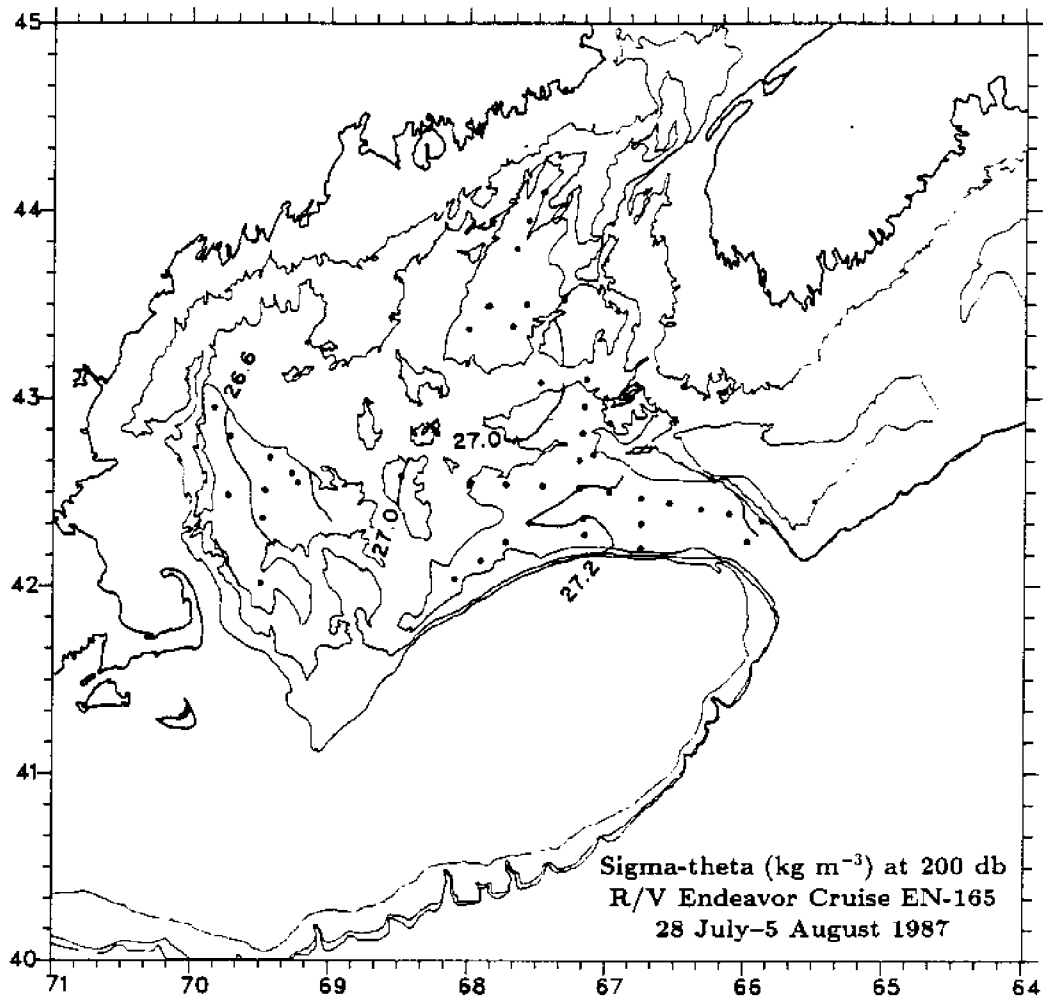
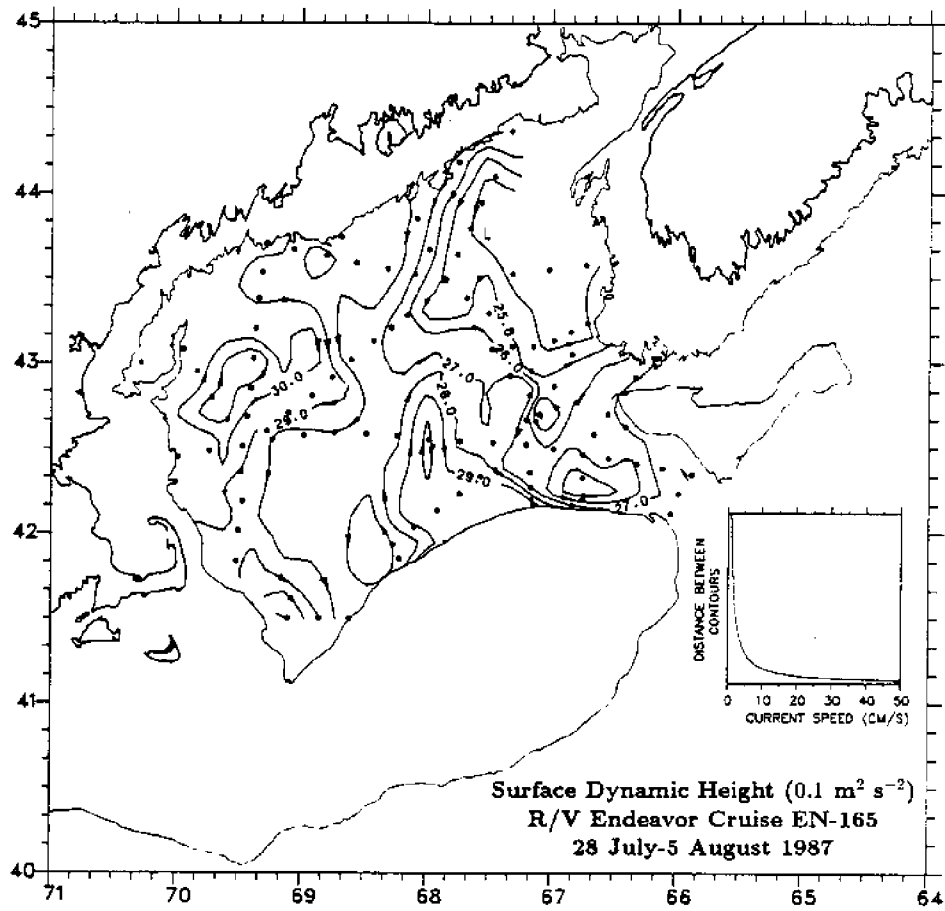


Figure 20. Horizontal section contour plot of 200 db sigma-theta. Units are  $\text{kg m}^{-3}$  and contour interval is  $0.2 \text{ kg m}^{-3}$ .

SURFACE DYNAMIC HEIGHT RELATIVE TO 100 DB JULY-AUG 1987



**Figure 21.** Surface dynamic height relative to 100 db. Units are dynamic centimeters ( $0.1 \text{ m}^2 \text{ s}^{-2}$ ) and contour interval is 1 dynamic centimeter.

# SECTION 1 TEMPERATURE

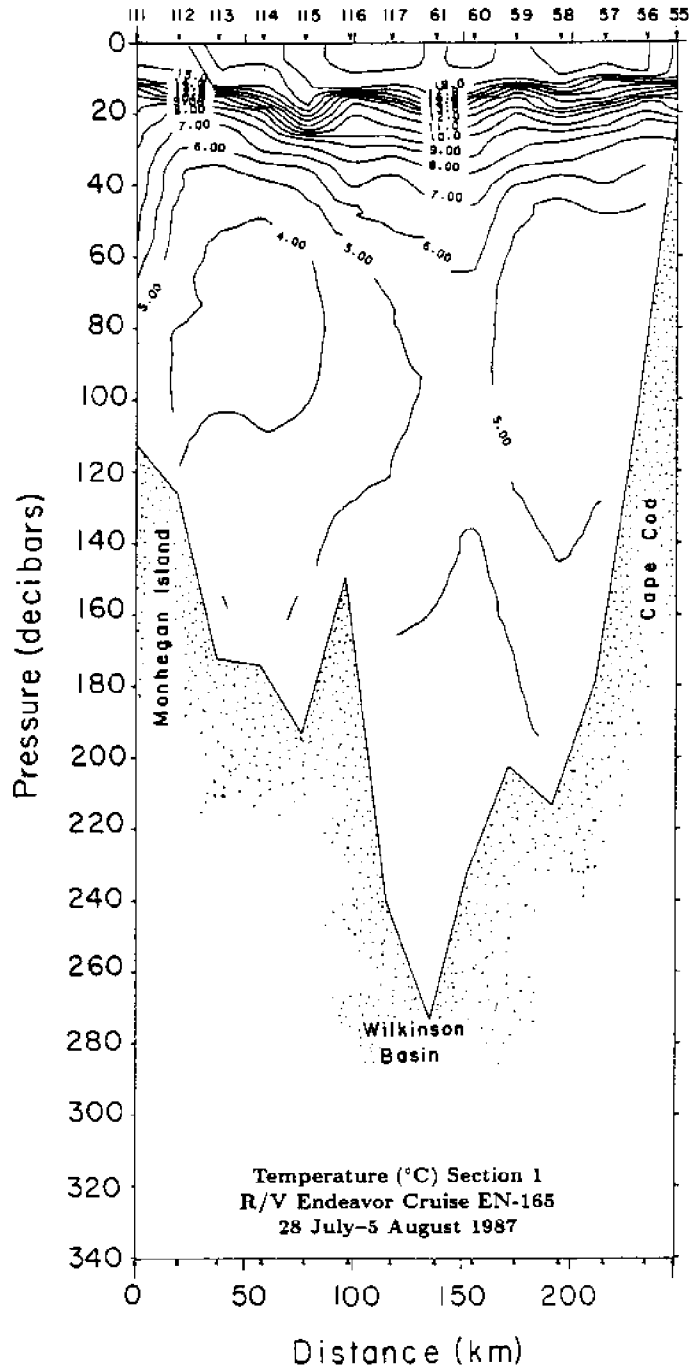
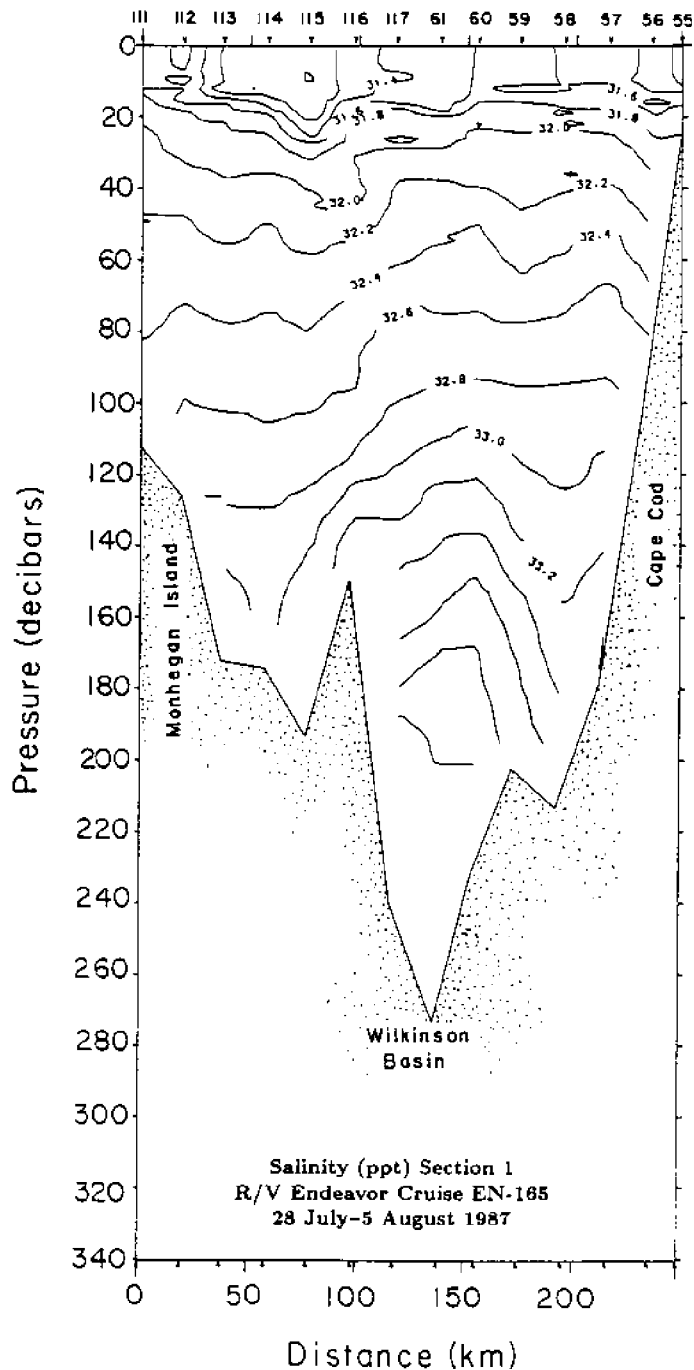


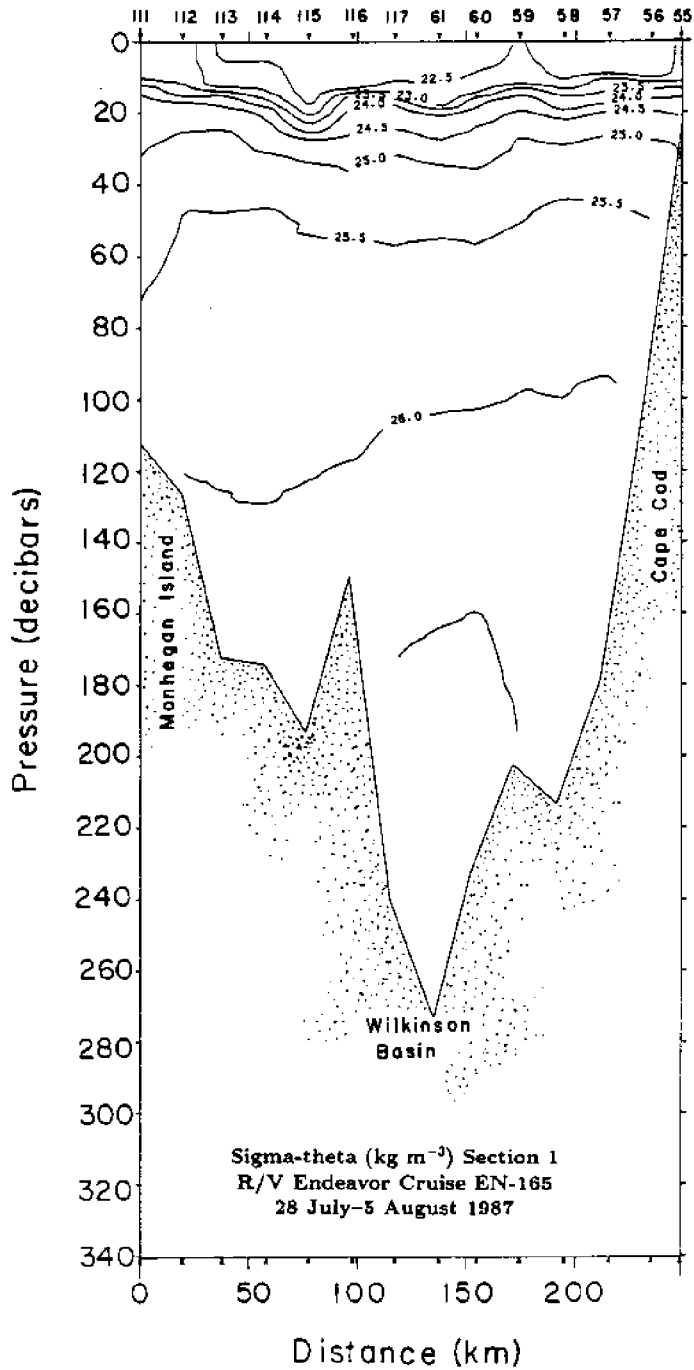
Figure 22. Vertical section contour plot of section 1 temperature. Units are  $^{\circ}\text{C}$  and contour interval is  $1^{\circ}\text{C}$ .

# SECTION I SALINITY



**Figure 23.** Vertical section contour plot of section 1 salinity. Units are *ppt* and contour interval is 0.2 *ppt*.

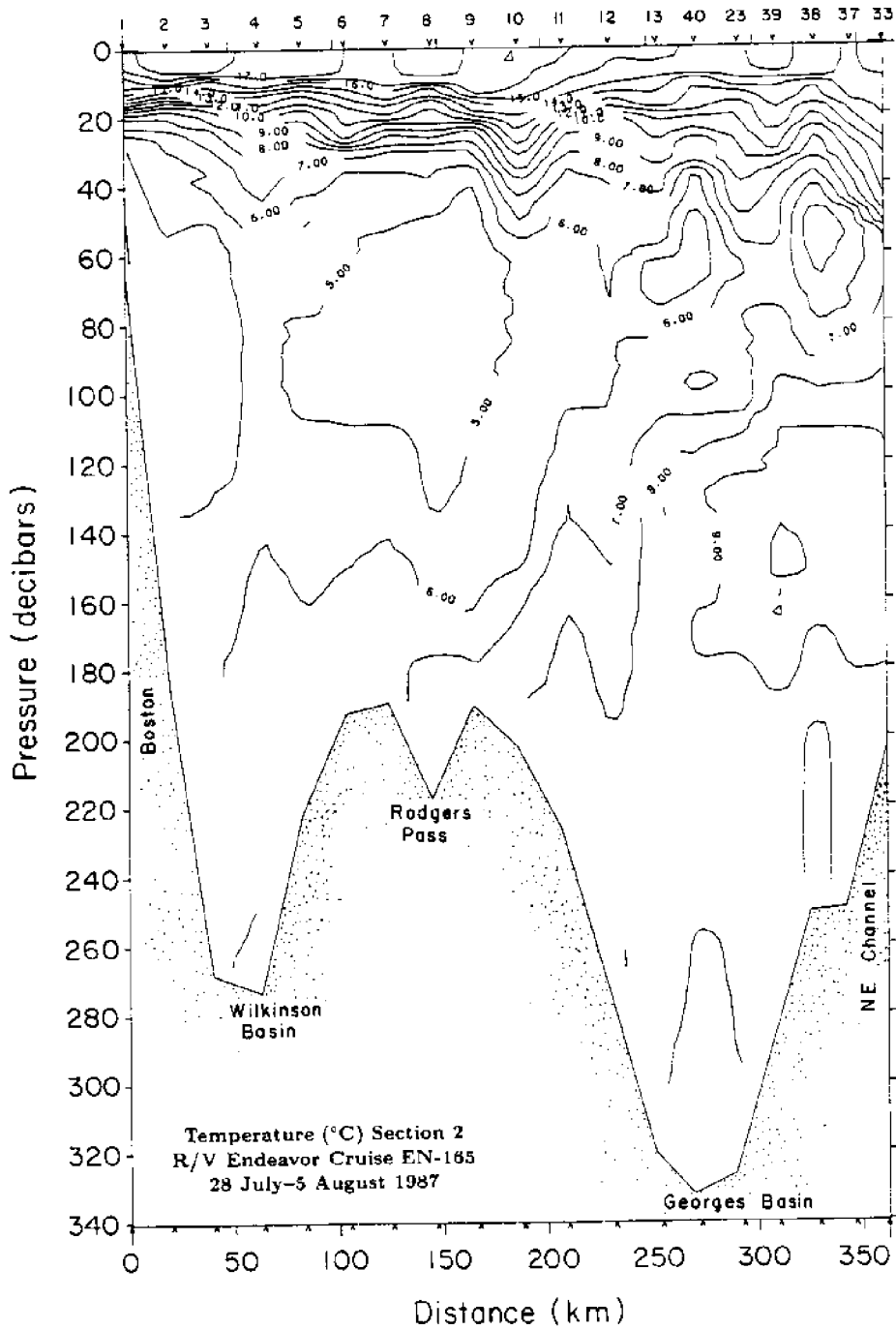
# SECTION 1 SIGMA-THETA



**Figure 24.** Vertical section contour plot of section 1 sigma-theta. Units are  $\text{kg m}^{-3}$  and contour interval is  $0.5 \text{ kg m}^{-3}$ .

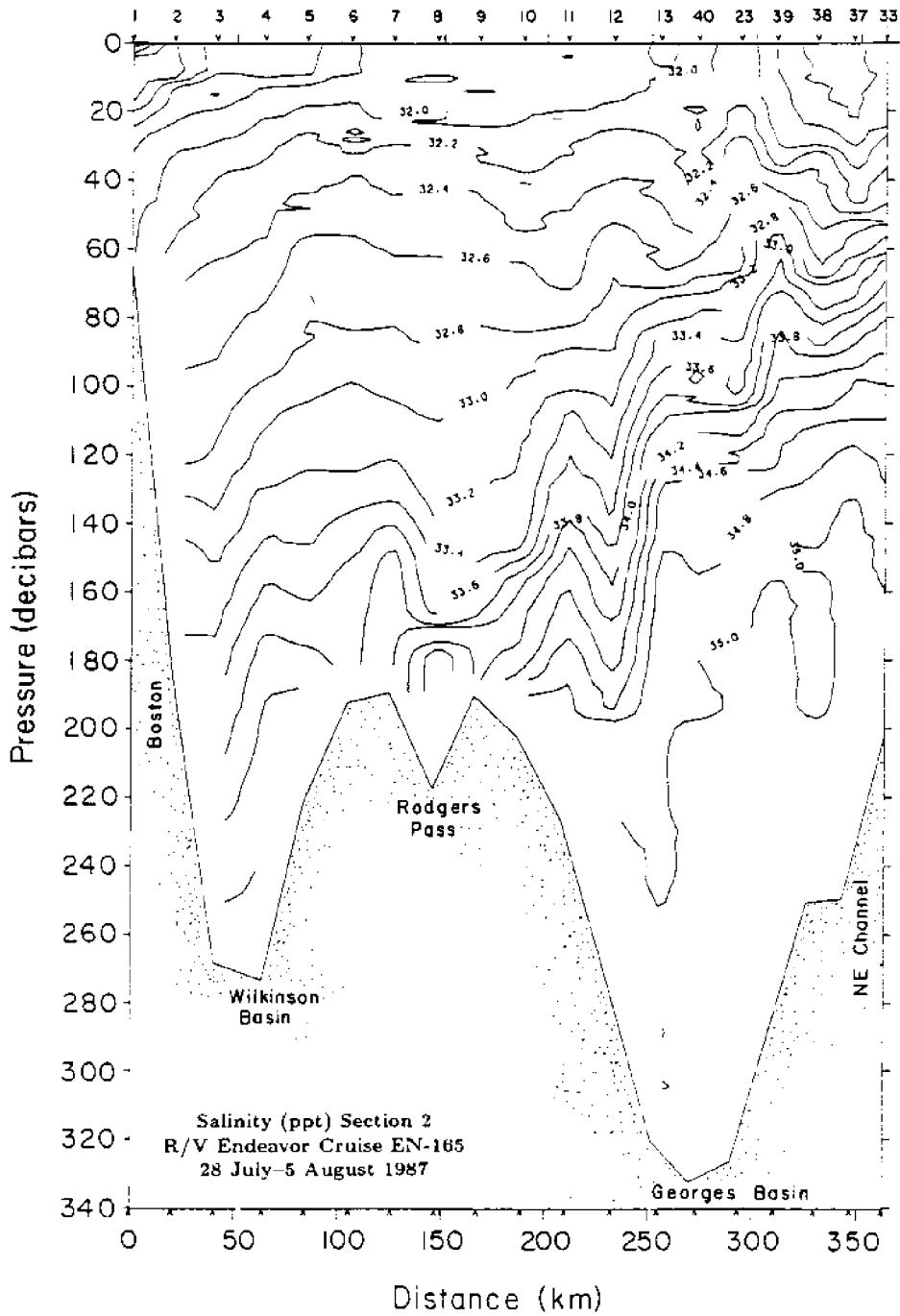


## SECTION 2 TEMPERATURE



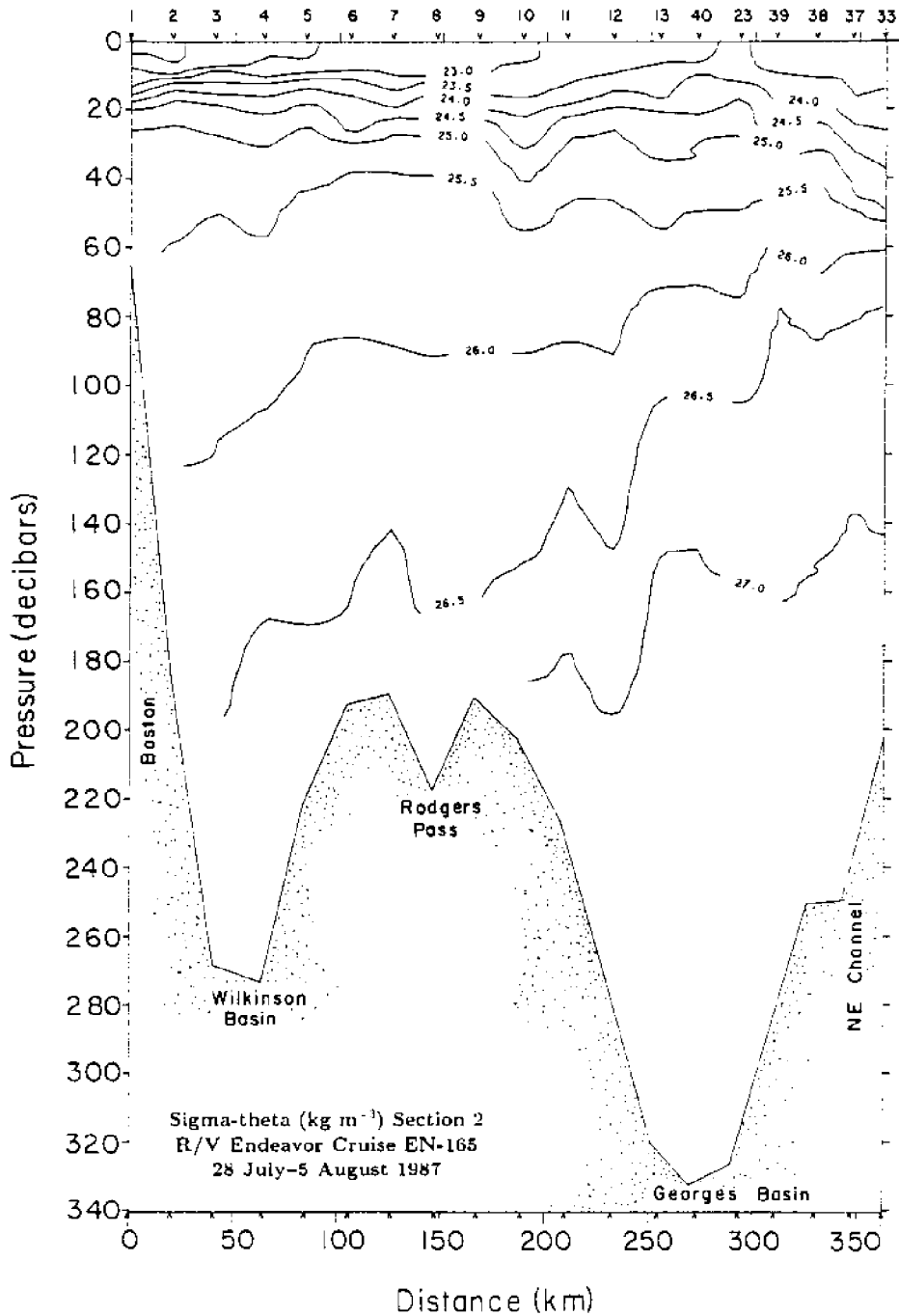
**Figure 25.** Vertical section contour plot of section 2 temperature. Units are °C and contour interval is 1°C.

## SECTION 2 SALINITY

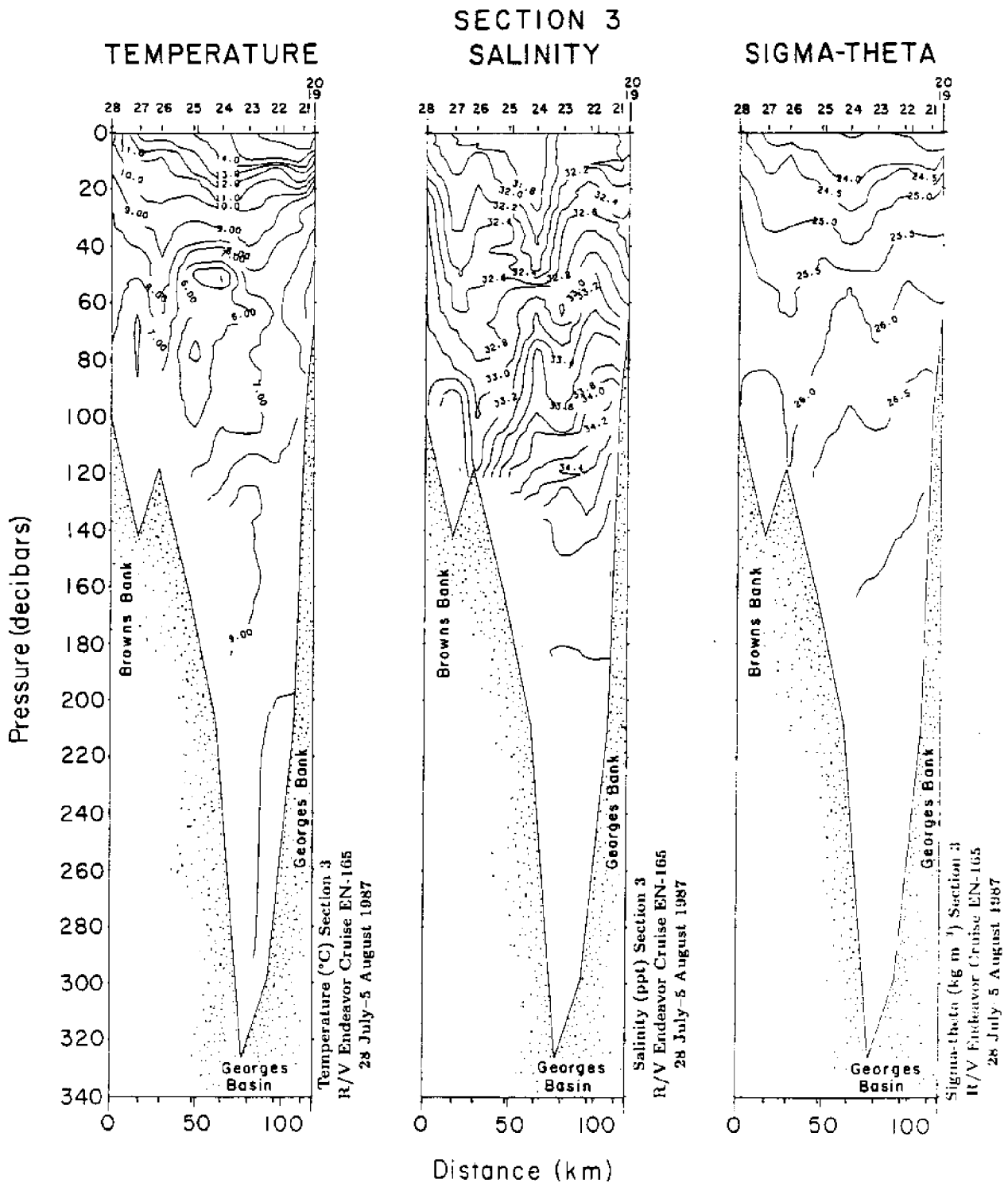


**Figure 26.** Vertical section contour plot of section 2 salinity. Units are *ppt* and contour interval is 0.2 *ppt*.

## SECTION 2 SIGMA-THETA

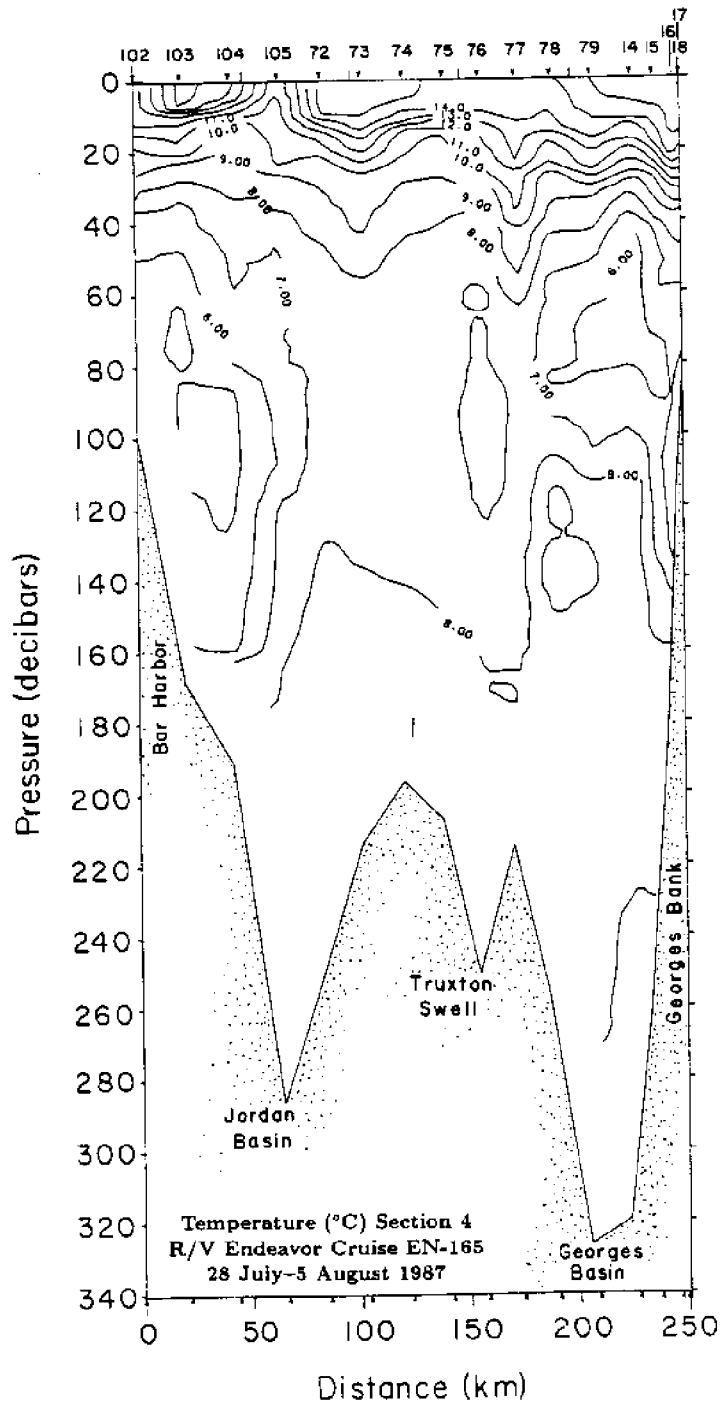


**Figure 27.** Vertical section contour plot of section 2 sigma-theta. Units are  $kg\ m^{-3}$  and contour interval is  $0.5\ kg\ m^{-3}$ .



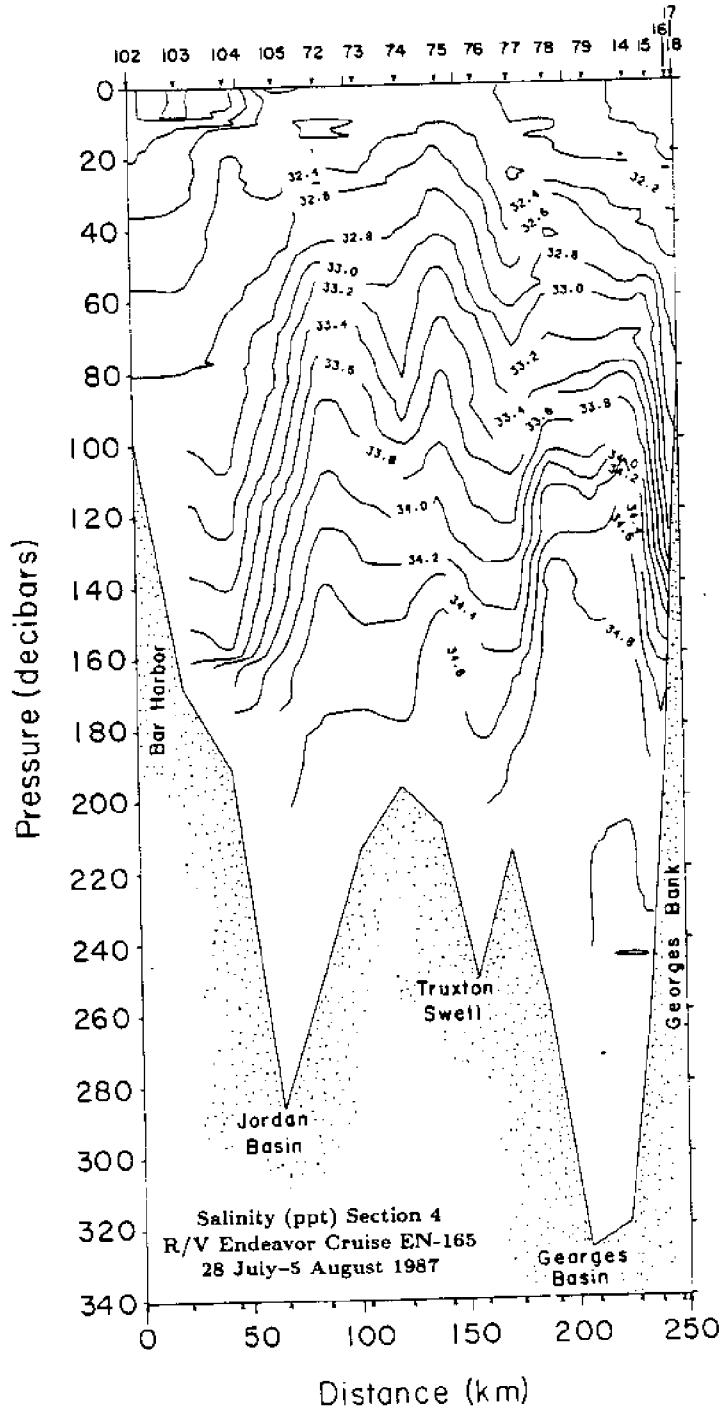
**Figure 28.** Vertical section contour plot of section 3 temperature, salinity, and sigma-theta. Temperature units are  $^{\circ}\text{C}$  and contour interval is  $1^{\circ}\text{C}$ . Salinity units are ppt and contour interval is  $0.2 \text{ ppt}$ . Sigma-theta units are  $\text{kg m}^{-3}$  and contour interval is  $0.5 \text{ kg m}^{-3}$ .

# SECTION 4 TEMPERATURE



**Figure 29.** Vertical section contour plot of section 4 temperature. Units are °C and contour interval is 1°C.

# SECTION 4 SALINITY



**Figure 30.** Vertical section contour plot of section 4 salinity. Units are *ppt* and contour interval is 0.2 *ppt*.

## SECTION 4 SIGMA-THETA

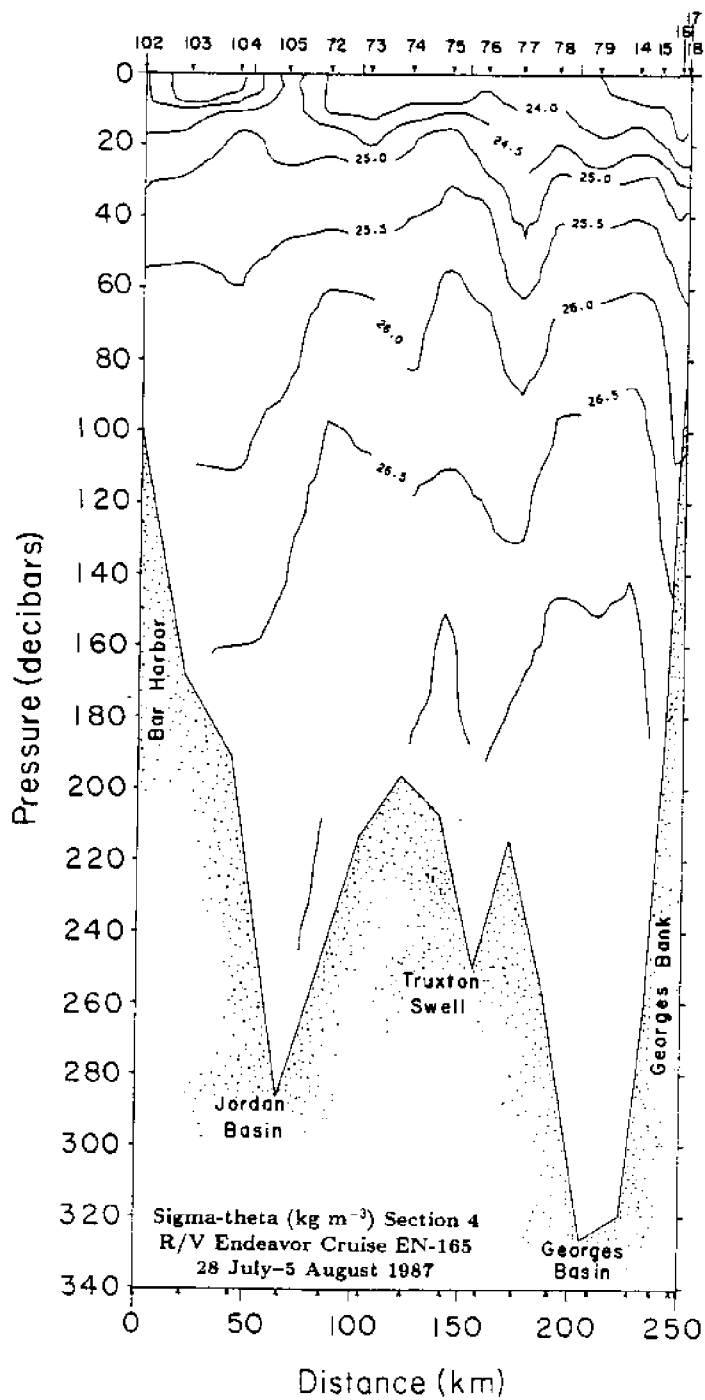


Figure 31. Vertical section contour plot of section 4 sigma-theta. Units are  $\text{kg m}^{-3}$  and contour interval is  $0.5 \text{ kg m}^{-3}$ .

SECTION 5  
 TEMPERATURE      SALINITY      SIGMA-THETA

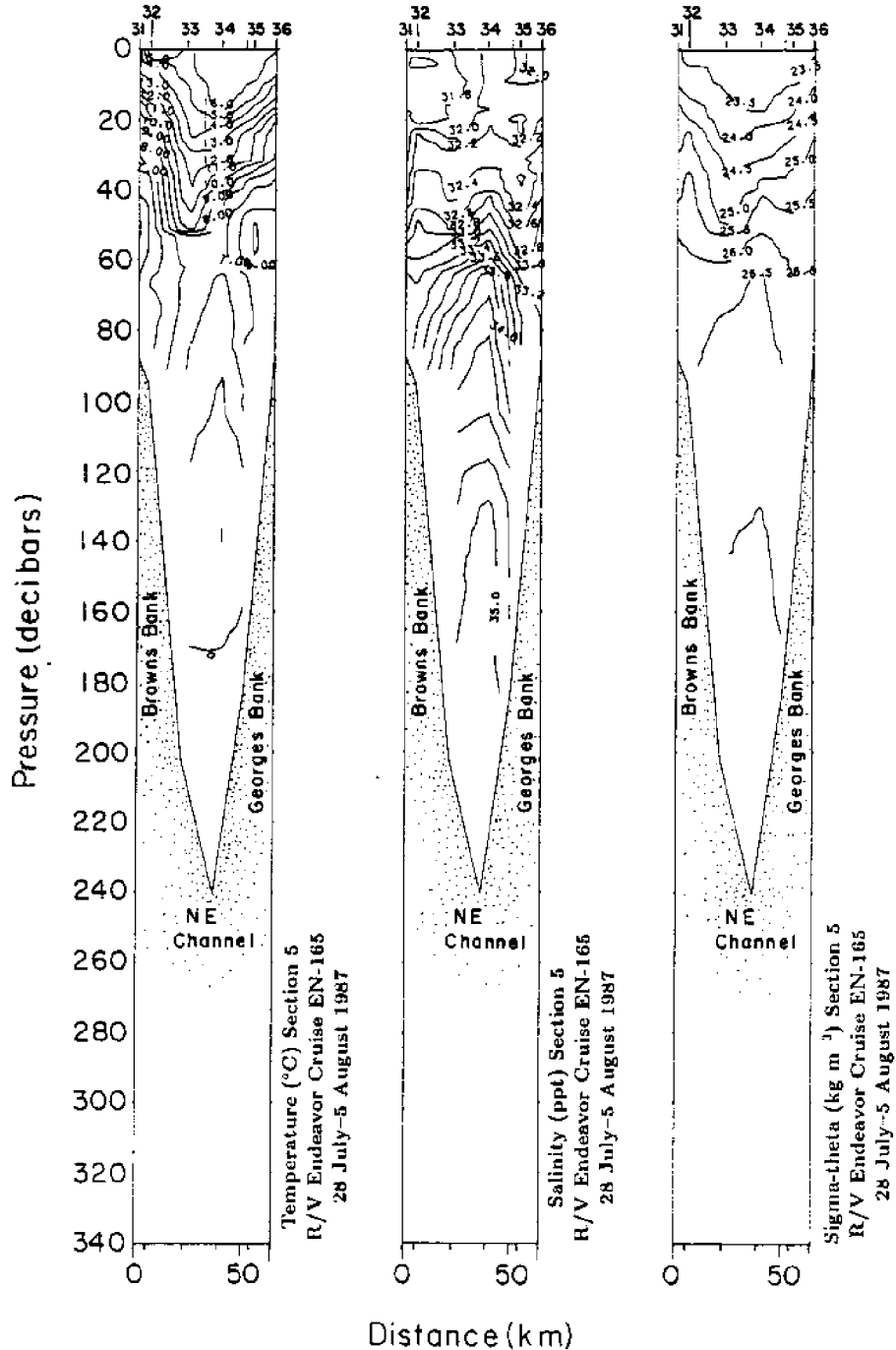


Figure 32. Vertical section contour plot of section 5 temperature, salinity, and sigma-theta. Temperature units are  $^{\circ}\text{C}$  and contour interval is  $1^{\circ}\text{C}$ . Salinity units are *ppt* and contour interval is  $0.2 \text{ ppt}$ . Sigma-theta units are  $\text{kg m}^{-3}$  and contour interval is  $0.5 \text{ kg m}^{-3}$ .



# SECTION 6 TEMPERATURE

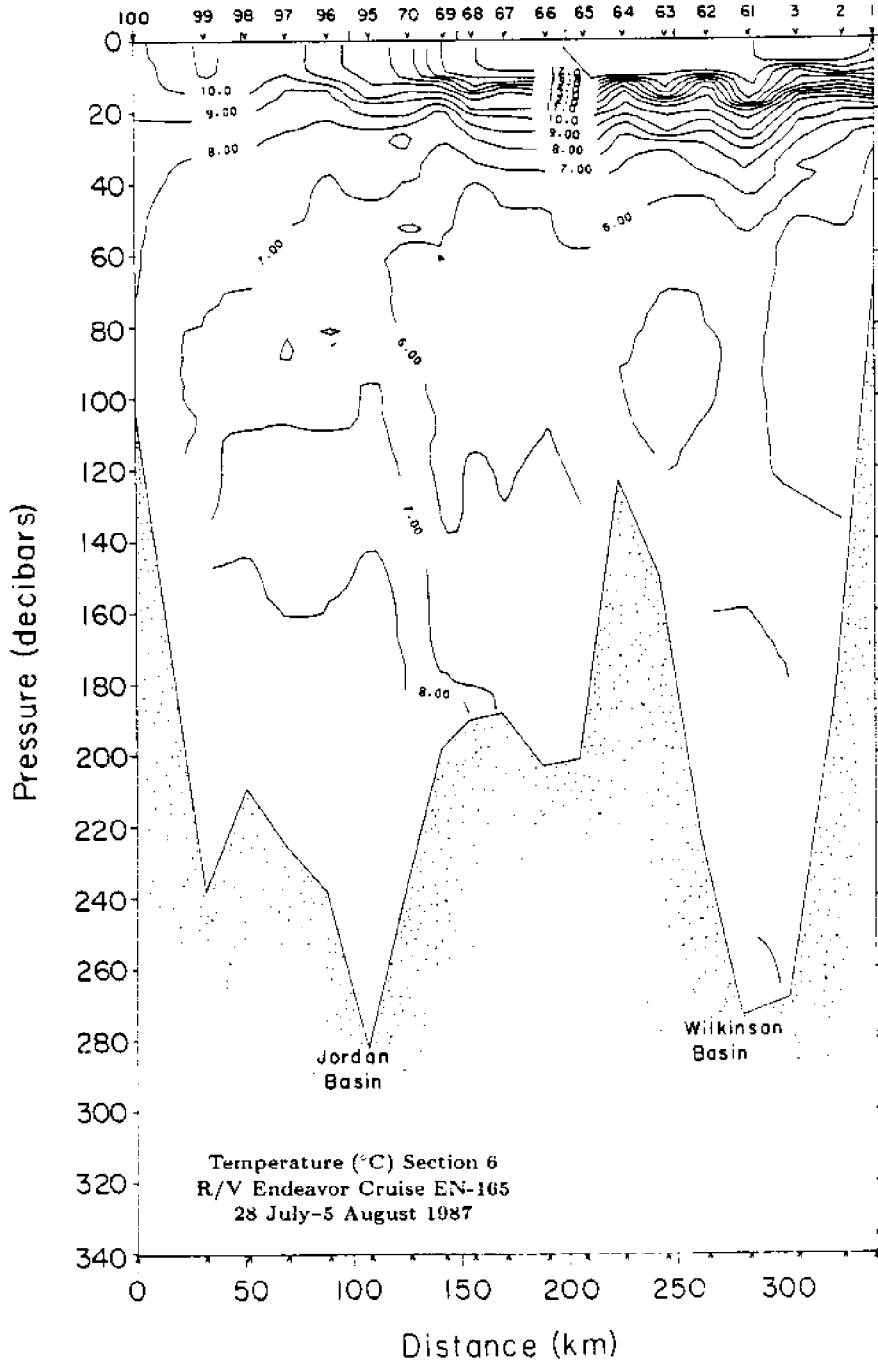
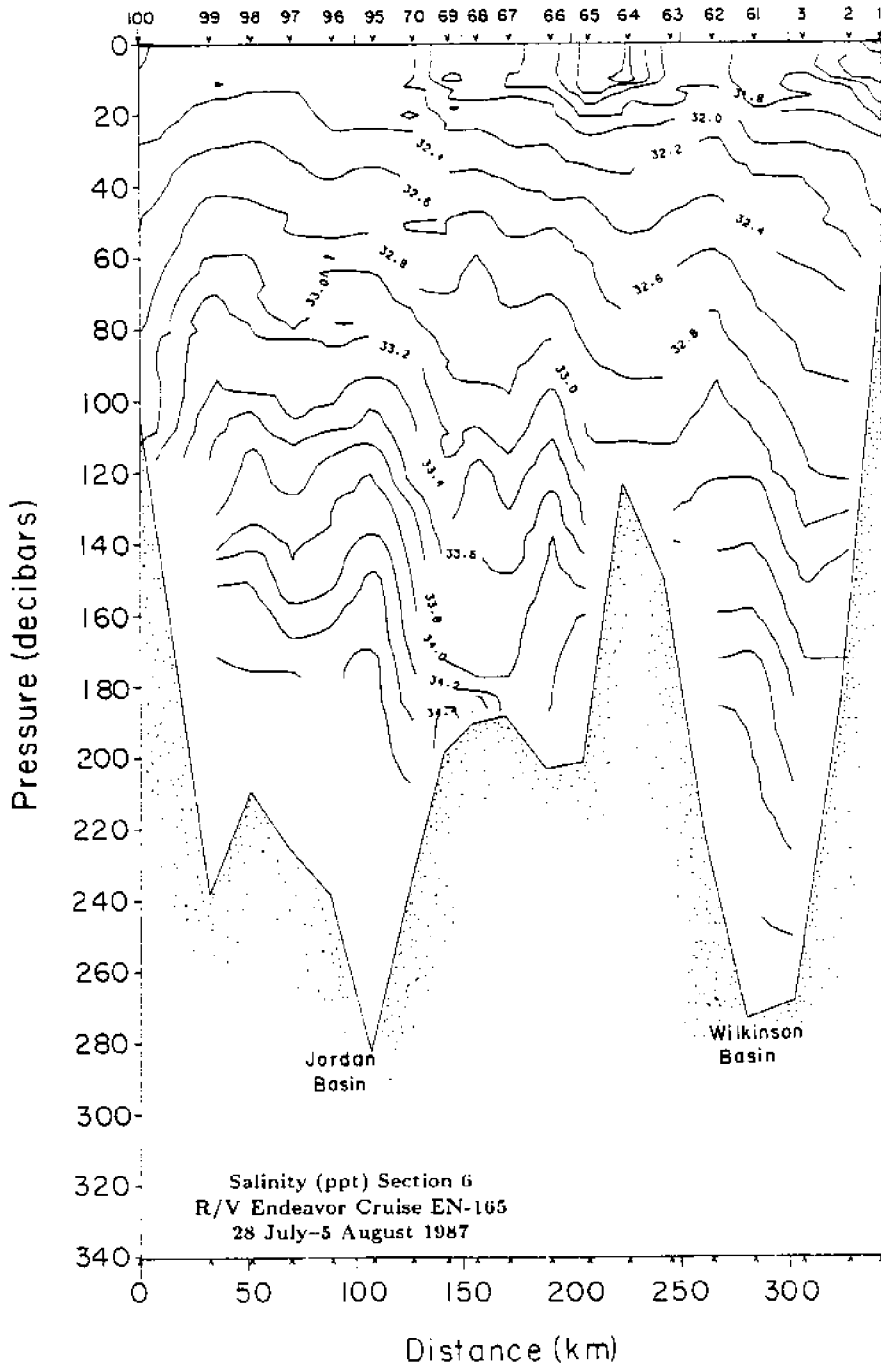


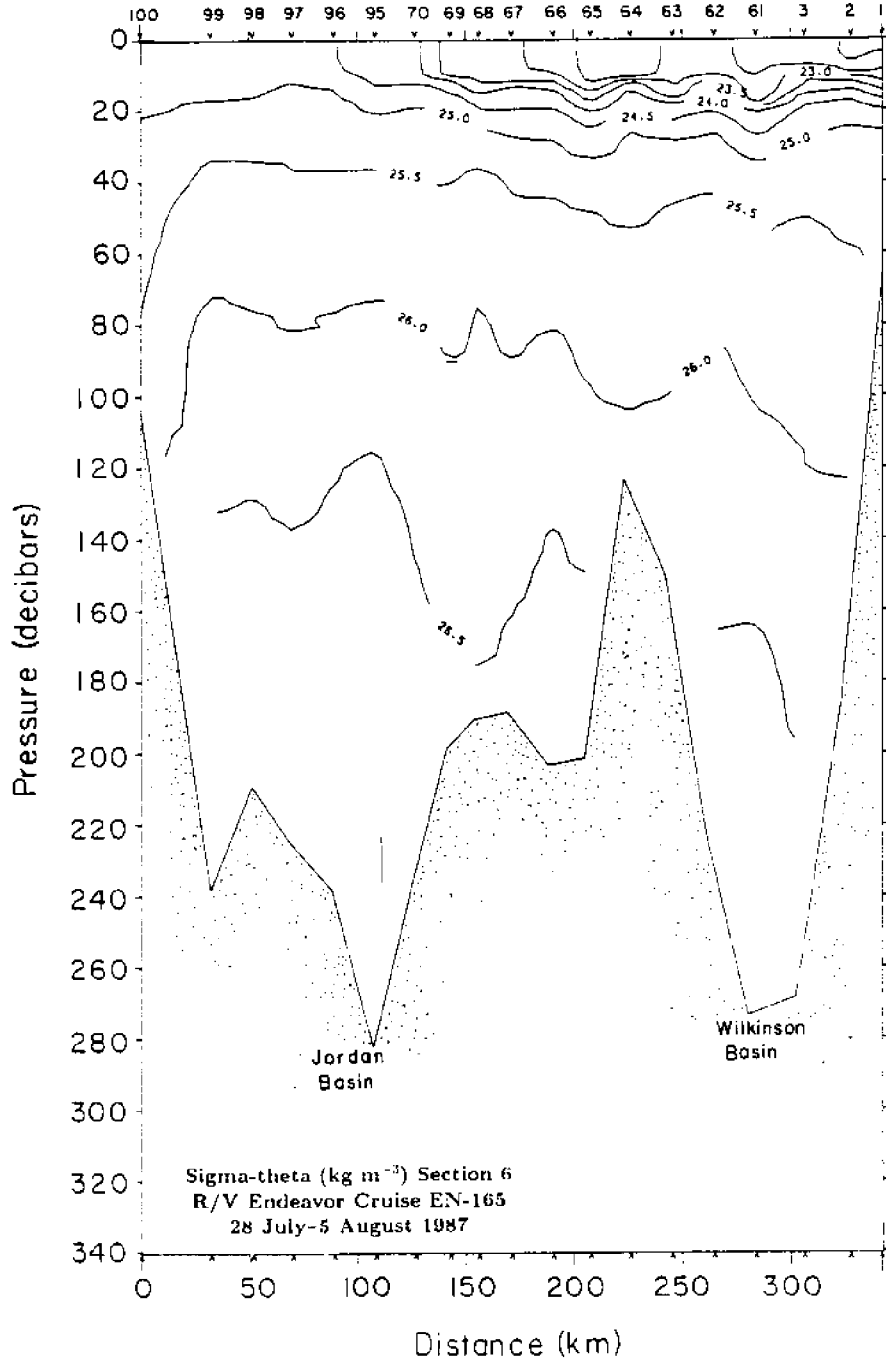
Figure 33. Vertical section contour plot of section 6 temperature. Units are °C and contour interval is 1°C.

# SECTION 6 SALINITY

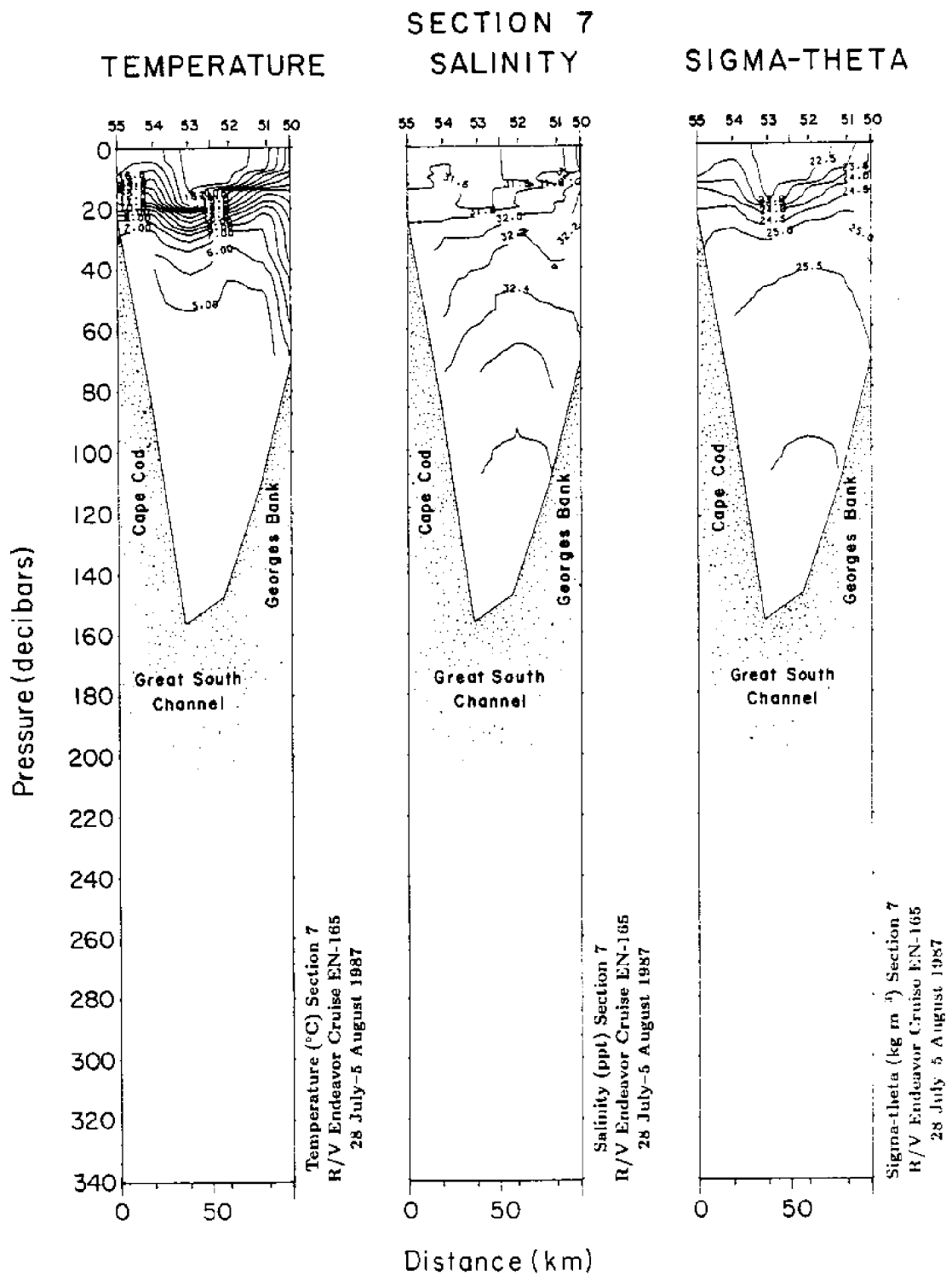


**Figure 34.** Vertical section contour plot of section 6 salinity. Units are *ppt* and contour interval is 0.2 *ppt*.

## SECTION 6 SIGMA-THETA



**Figure 35.** Vertical section contour plot of section 6 sigma-theta. Units are  $\text{kg m}^{-3}$  and contour interval is  $0.5 \text{ kg m}^{-3}$ .



**Figure 36.** Vertical section contour plot of section 7 temperature, salinity, and sigma-theta. Temperature units are  $^{\circ}\text{C}$  and contour interval is  $1^{\circ}\text{C}$ . Salinity units are ppt and contour interval is  $0.2\text{ ppt}$ . Sigma-theta units are  $\text{kg m}^{-3}$  and contour interval is  $0.5\text{ kg m}^{-3}$ .

# SECTION 8 TEMPERATURE

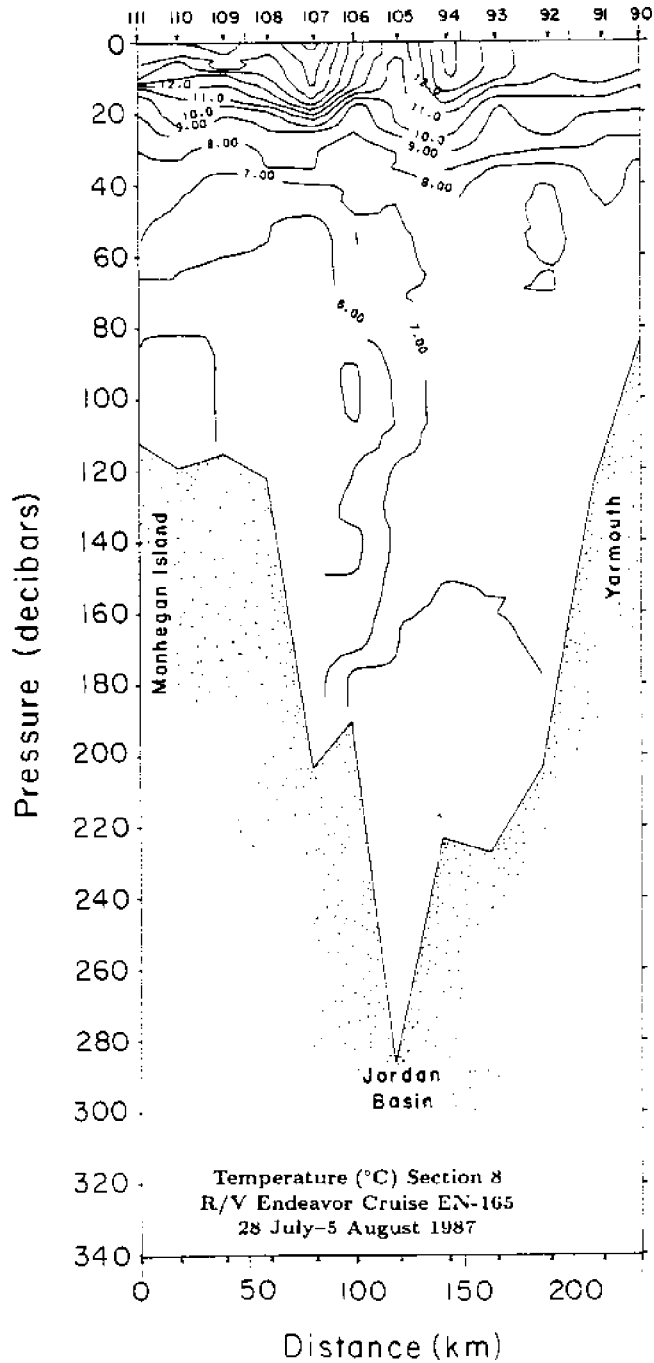
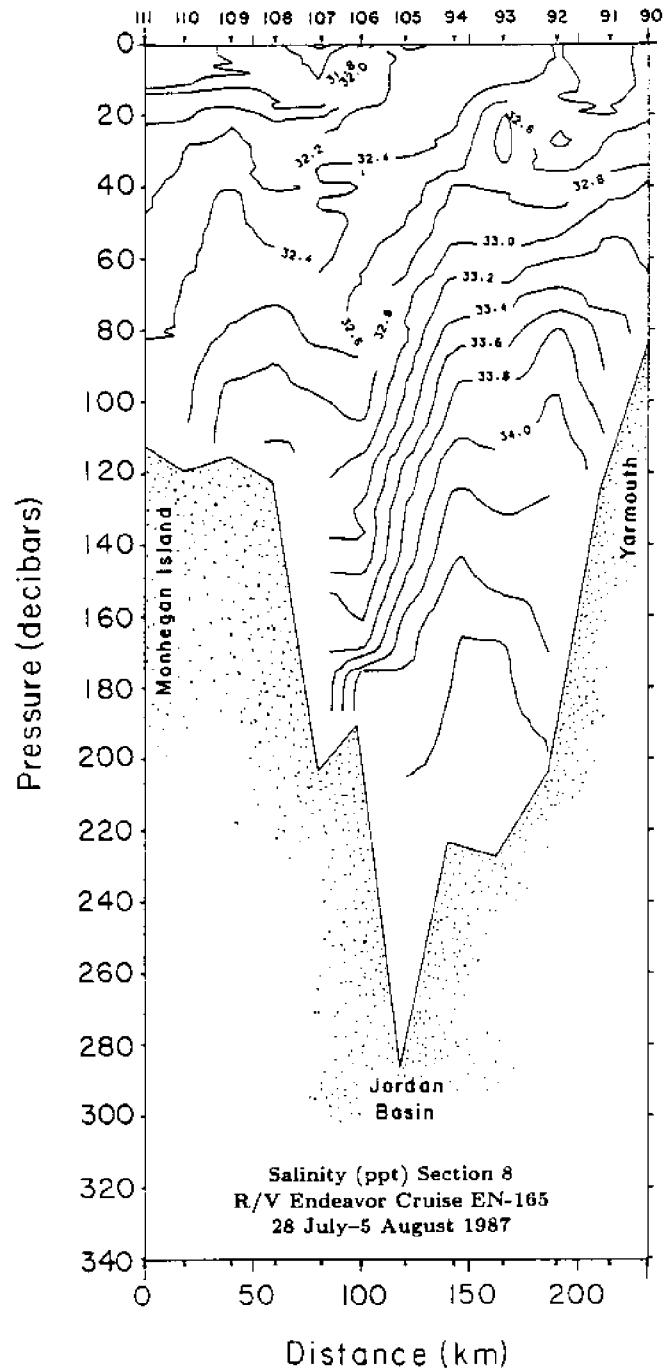


Figure 37. Vertical section contour plot of section 8 temperature. Units are  $^{\circ}\text{C}$  and contour interval is  $1^{\circ}\text{C}$ .

# SECTION 8 SALINITY



**Figure 38.** Vertical section contour plot of section 8 salinity. Units are *ppt* and contour interval is 0.2 *ppt*.

SECTION 8  
SIGMA-THETA

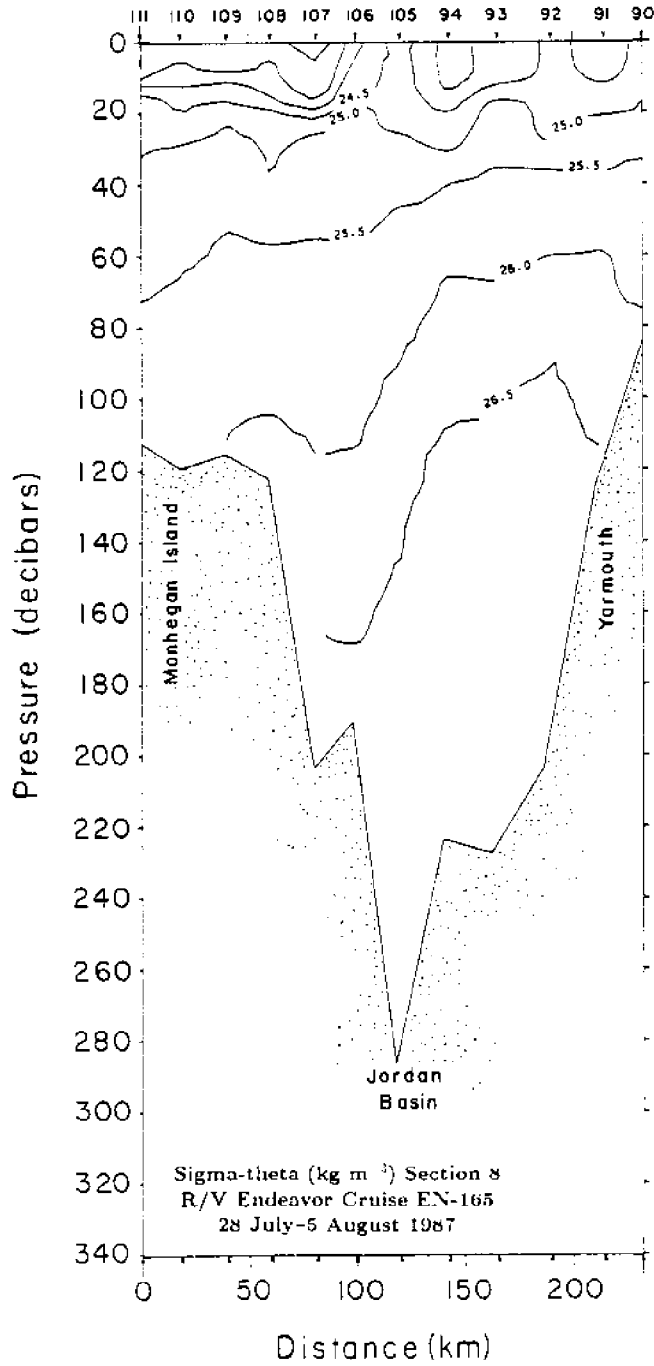
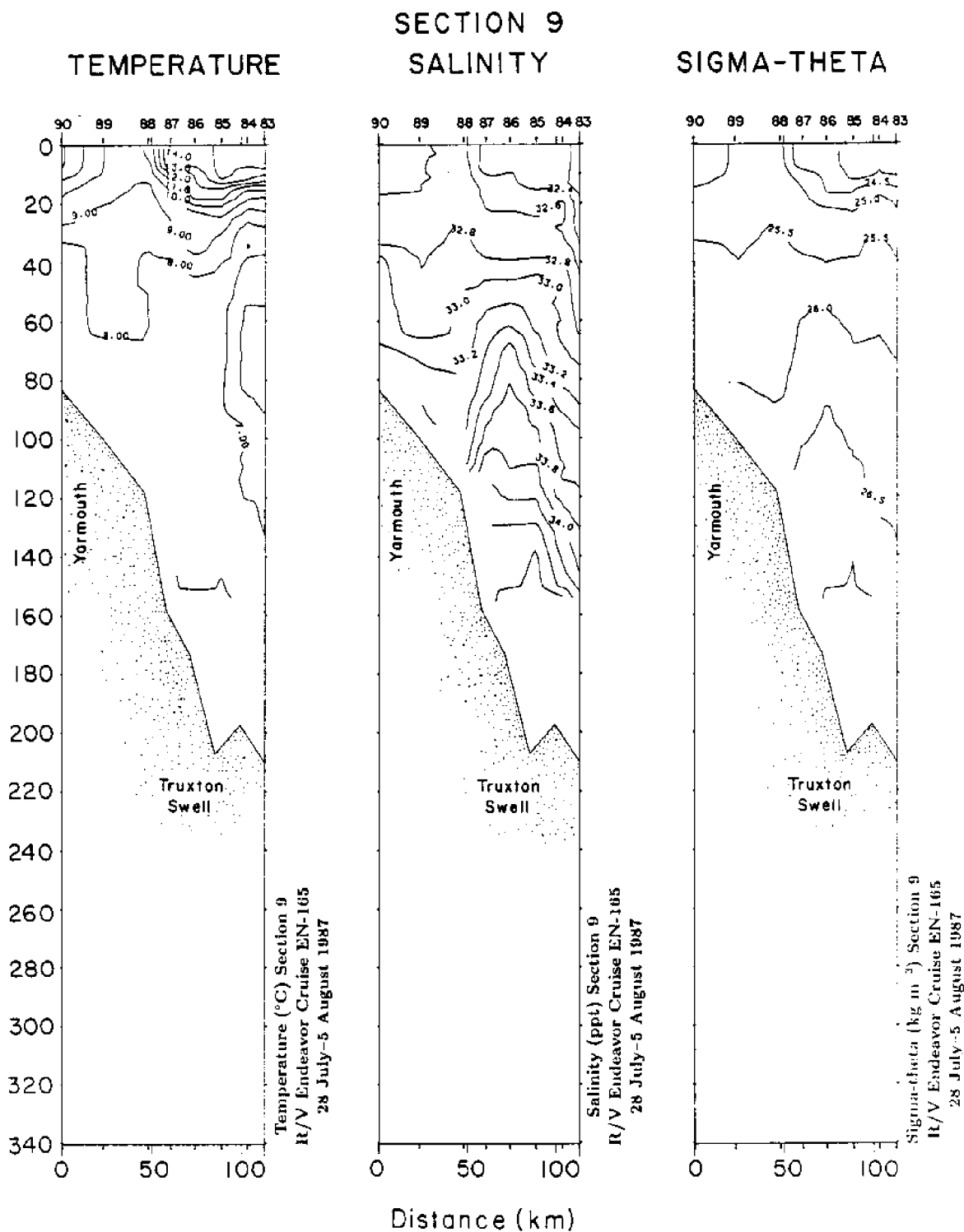


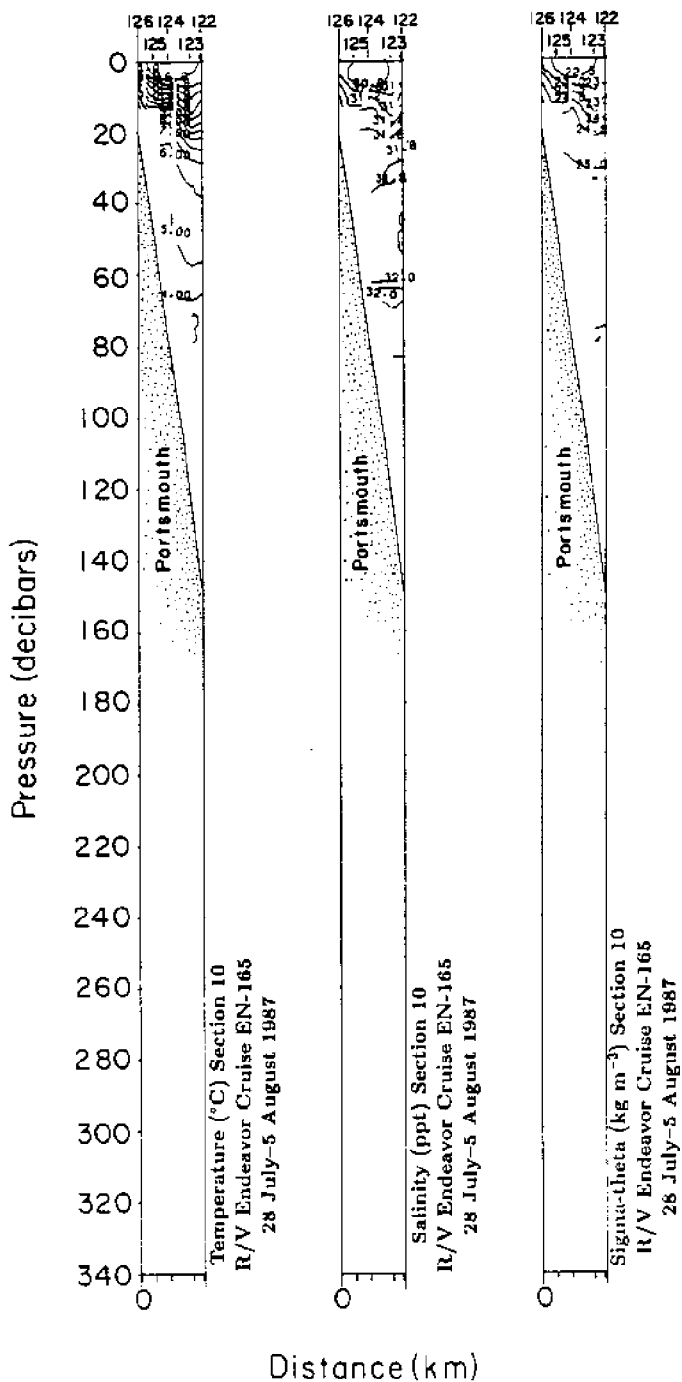
Figure 39. Vertical section contour plot of section 8 sigma-theta. Units are  $kg\ m^{-3}$  and contour interval is  $0.5\ kg\ m^{-3}$ .



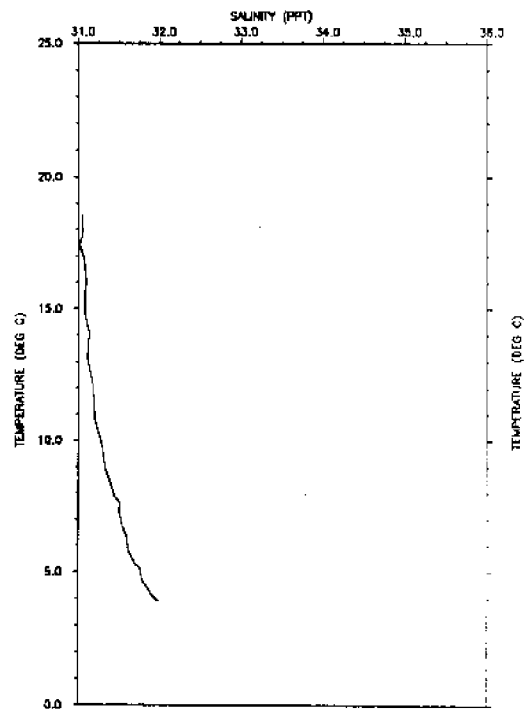
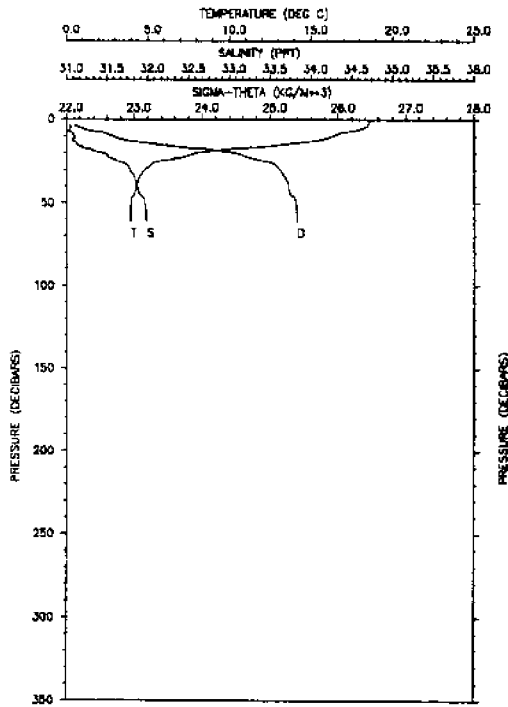
**Figure 40.** Vertical section contour plot of section 9 temperature, salinity, and sigma-theta. Temperature units are  $^{\circ}\text{C}$  and contour interval is  $1^{\circ}\text{C}$ . Salinity units are ppt and contour interval is  $0.2 \text{ ppt}$ . Sigma-theta units are  $\text{kg m}^{-3}$  and contour interval is  $0.5 \text{ kg m}^{-3}$ .



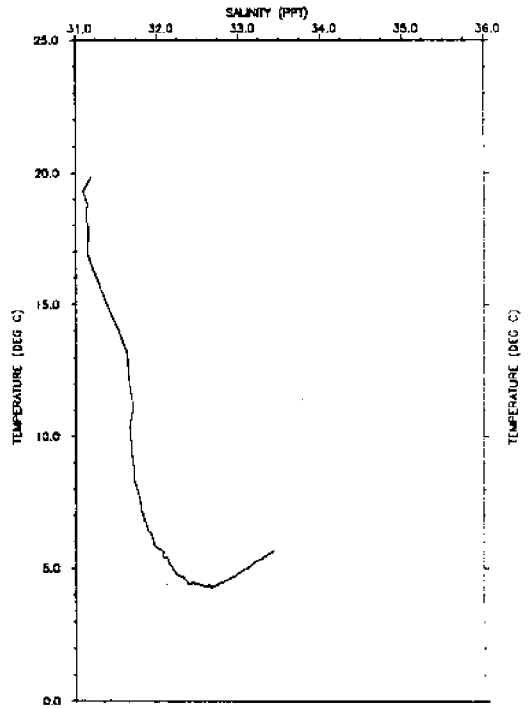
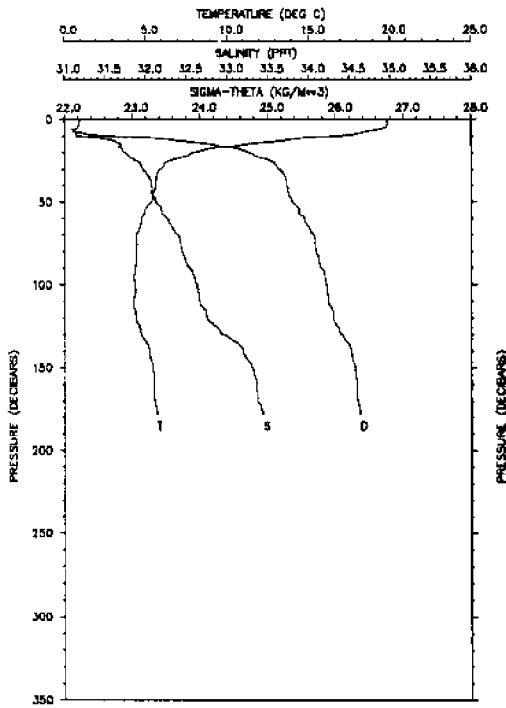
# SECTION 10 TEMPERATURE SALINITY SIGMA-THETA



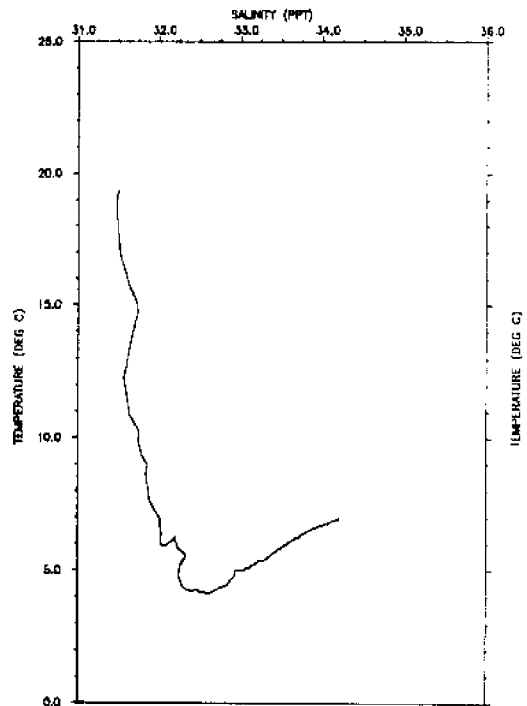
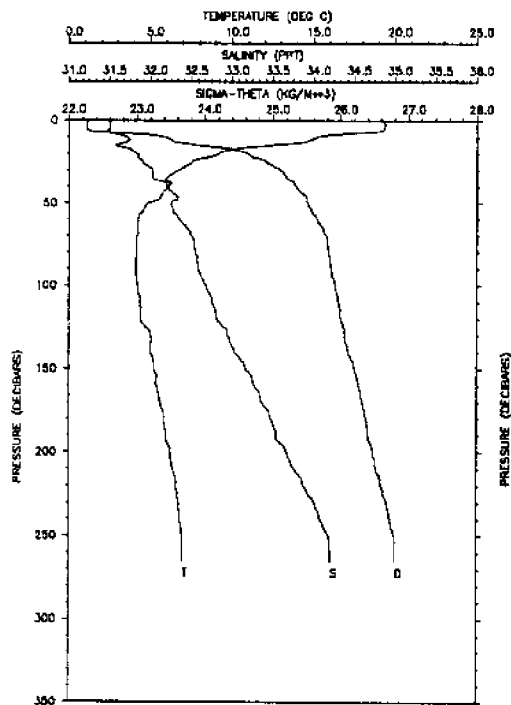
**Figure 41.** Vertical section contour plot of section 10 temperature, salinity, and sigma-theta. Temperature units are  $^{\circ}\text{C}$  and contour interval is  $1^{\circ}\text{C}$ . Salinity units are ppt and contour interval is 0.2 ppt. Sigma-theta units are  $\text{kg m}^{-3}$  and contour interval is  $0.5 \text{ kg m}^{-3}$ .



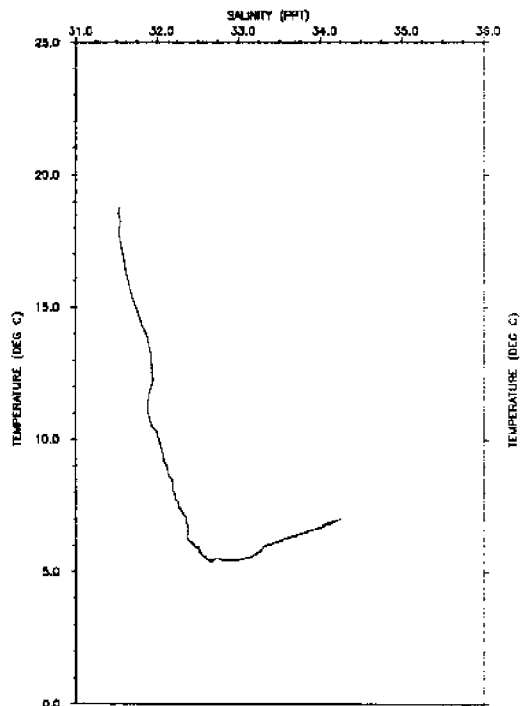
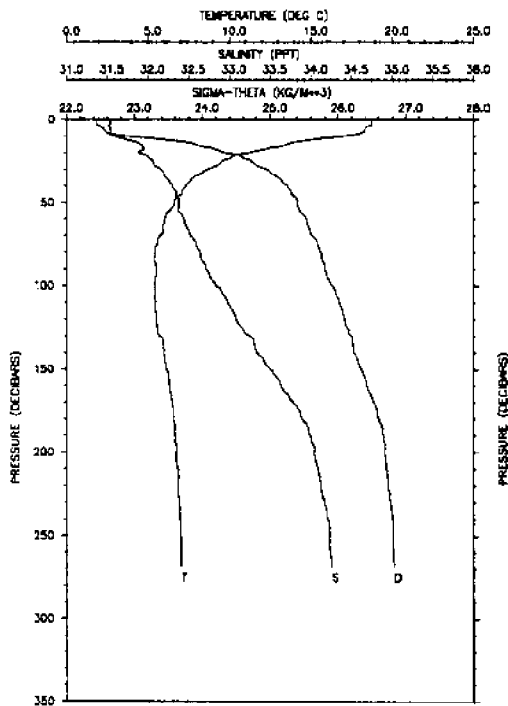
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	18.66	30.34	18.66	21.55	624.7	0.000	1512	25.74	Cruise EN165
10.0	16.28	31.09	16.28	22.68	516.5	0.056	1506	13.82	Station 1
20.0	7.86	31.45	7.86	24.51	341.9	0.101	1478	15.67	28 JUL 1987
30.0	4.78	31.78	4.78	25.15	280.6	0.131	1466	6.72	2222 UTC
40.0	4.32	31.87	4.31	25.27	269.6	0.159	1465	3.30	42 25.2 N
50.0	3.98	31.96	3.97	25.37	259.7	0.185	1463	4.32	70 14.0 W
60.0	3.93	31.98	3.92	25.39	257.6	0.211	1463	2.13	Depth 65 m
61.0	3.92	31.99	3.92	25.40	257.4	0.214	1463		



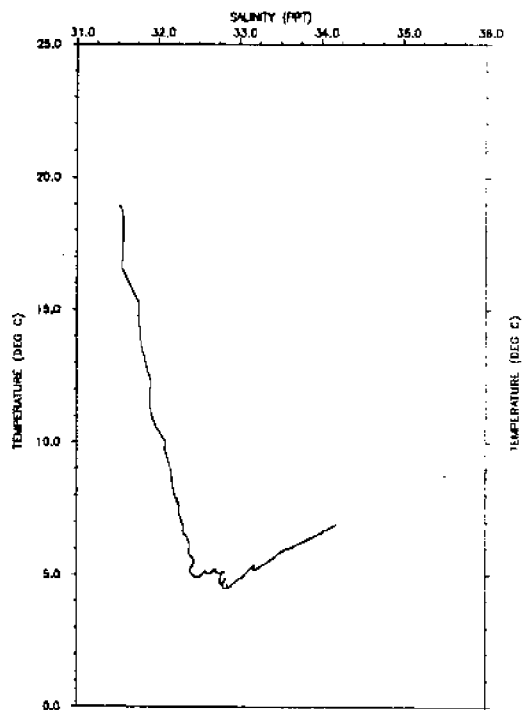
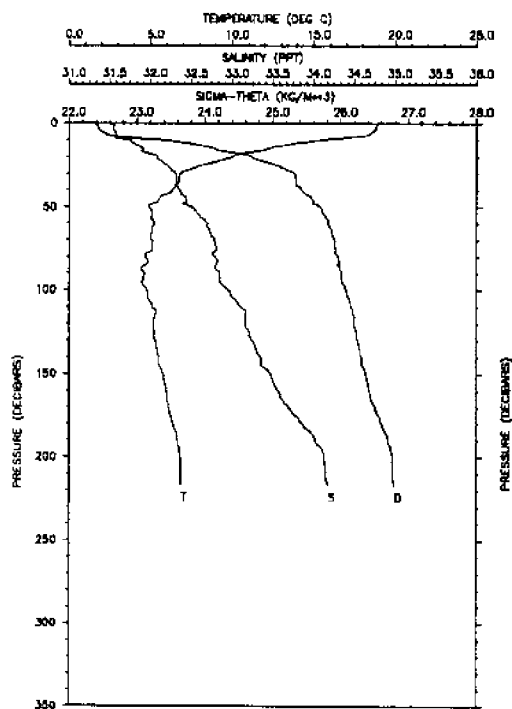
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	19.84	31.20	19.84	21.91	590.1	0.000	1517	-4.80	Cruise EN165
10.0	16.84	31.15	16.84	22.60	524.0	0.058	1508	43.95	Station 2
20.0	7.95	31.76	7.95	24.73	320.3	0.096	1479	11.69	29 JUL 1987
30.0	5.88	31.97	5.88	25.17	278.9	0.126	1471	10.24	0015 UTC
40.0	5.66	32.08	5.65	25.28	268.1	0.153	1470	3.59	42 26.9 N
50.0	5.32	32.13	5.32	25.36	260.6	0.180	1469	8.60	69 59.9 W
60.0	4.74	32.26	4.73	25.54	244.3	0.205	1467	4.61	Depth 185 m
70.0	4.40	32.39	4.40	25.67	231.7	0.229	1466	6.1	
80.0	4.44	32.45	4.44	25.72	227.4	0.252	1466	4.1	
90.0	4.38	32.53	4.37	25.79	220.8	0.274	1466	8.5	
100.0	4.34	32.62	4.33	25.86	213.5	0.296	1467	3.4	
110.0	4.28	32.66	4.27	25.90	210.4	0.317	1467	1.9	
120.0	4.41	32.75	4.40	25.96	204.8	0.338	1467	3.2	
130.0	4.71	32.95	4.70	26.08	193.3	0.358	1469	9.7	
140.0	5.21	33.20	5.20	26.22	180.1	0.376	1472	-0.9	
150.0	5.43	33.31	5.42	26.29	174.3	0.394	1473	2.9	
160.0	5.54	33.36	5.52	26.32	171.5	0.411	1473	1.1	
170.0	5.56	33.37	5.55	26.32	171.0	0.428	1474	4.2	
178.0	5.69	33.44	5.67	26.36	167.6	0.442	1474		



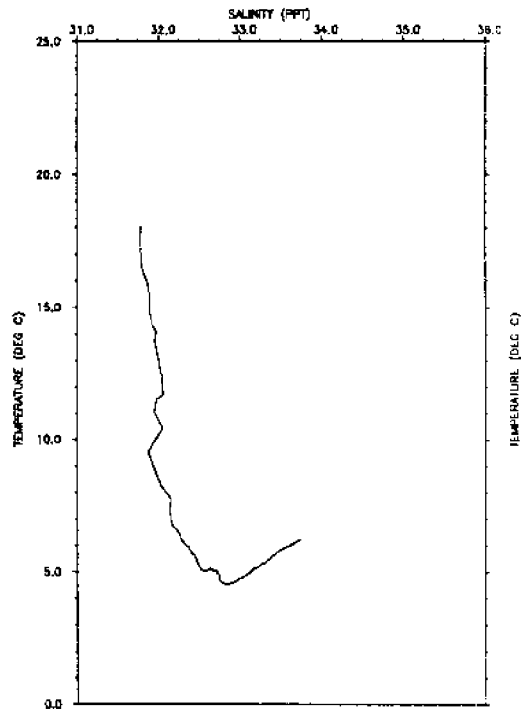
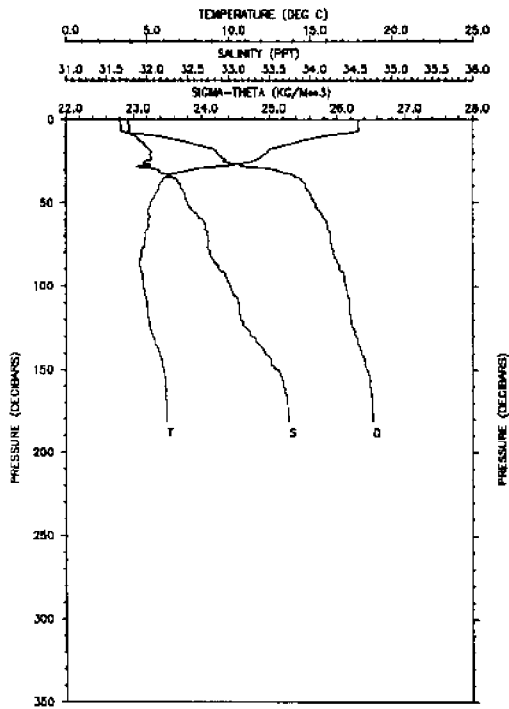
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/s+2	m/sec	cph	
0.0	19.34	31.50	19.34	22.27	555.5	0.000	1516	-1.75	Cruise EN165
10.0	15.13	31.72	15.13	23.42	445.9	0.053	1503	11.50	Station 3
20.0	9.11	31.84	9.11	24.63	330.6	0.093	1483	11.15	29 JUL 1987
30.0	6.72	32.02	6.72	25.11	285.0	0.123	1474	10.71	0152 UTC
40.0	6.07	32.21	6.07	25.34	262.8	0.151	1472	6.68	42 29.1 N
50.0	4.88	32.25	4.88	25.51	246.7	0.176	1468	6.88	69 45.1 W
60.0	4.27	32.35	4.26	25.65	233.3	0.200	1465	7.24	Depth 268 m
70.0	4.20	32.51	4.19	25.78	220.8	0.223	1465	5.7	
80.0	4.19	32.56	4.18	25.82	217.0	0.244	1466	2.3	
90.0	4.13	32.59	4.12	25.86	214.0	0.266	1466	3.2	
100.0	4.23	32.68	4.22	25.92	208.5	0.287	1466	2.5	
110.0	4.37	32.76	4.36	25.97	203.7	0.308	1467	3.5	
120.0	4.43	32.81	4.42	26.01	200.2	0.328	1468	3.9	
130.0	5.01	32.94	5.00	26.05	198.7	0.348	1470	4.8	
140.0	5.01	33.02	5.00	26.11	190.7	0.367	1471	6.3	
150.0	5.24	33.17	5.22	26.20	182.6	0.386	1472	5.3	
160.0	5.37	33.28	5.35	26.27	176.0	0.403	1473	4.2	
170.0	5.58	33.37	5.57	26.32	171.7	0.421	1474	6.0	
180.0	5.84	33.48	5.83	26.38	166.3	0.438	1475	4.5	
190.0	5.98	33.54	5.94	26.41	163.3	0.454	1476	2.2	
200.0	6.23	33.67	6.22	26.47	157.5	0.470	1477	4.3	
210.0	6.39	33.76	6.37	26.53	152.6	0.486	1478	4.7	
220.0	6.61	33.89	6.59	26.60	146.1	0.501	1479	4.8	
230.0	6.74	34.01	6.72	26.68	138.7	0.515	1480	4.4	
240.0	6.81	34.08	6.79	26.73	134.5	0.528	1481	2.7	
250.0	6.95	34.19	6.93	26.79	128.5	0.542	1482	2.2	
260.0	6.97	34.21	6.95	26.80	127.8	0.554	1482	0.4	
265.0	6.97	34.21	6.95	26.80	127.8	0.561	1482		



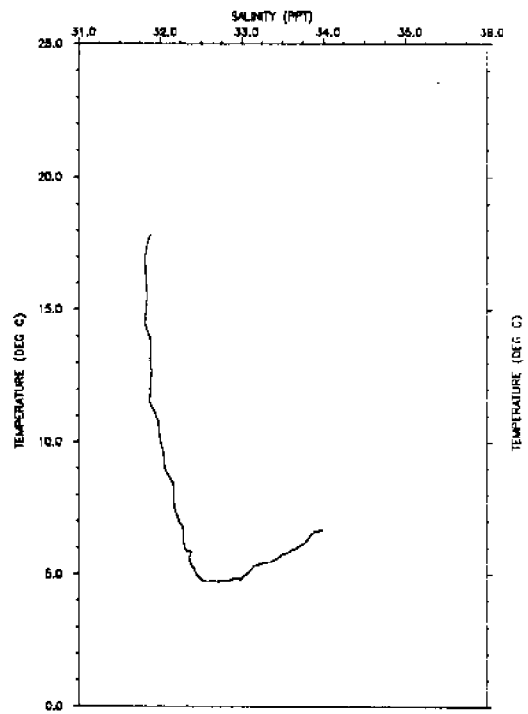
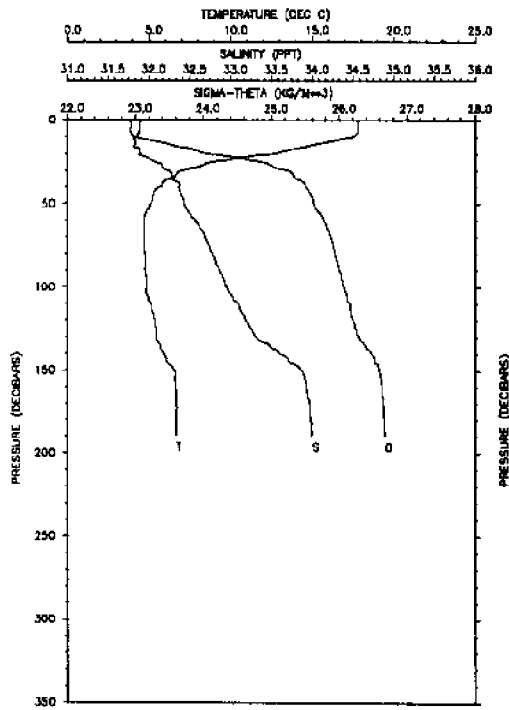
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/s+2	m/sec	cph	
0.0	18.75	31.54	18.75	22.44	539.1	0.000	1514	1.62	Cruise EN165
10.0	17.01	31.58	17.01	22.89	496.0	0.053	1509	27.01	Station 4
20.0	11.13	31.88	11.13	24.33	359.2	0.094	1490	21.52	29 JUL 1987
30.0	8.62	32.15	8.62	24.95	300.3	0.126	1482	12.13	0400 UTC
40.0	7.34	32.31	7.34	25.25	271.4	0.155	1477	3.77	42 30.7 N
50.0	6.66	32.39	6.66	25.41	256.8	0.181	1475	-0.49	69 29.3 W
60.0	6.04	32.45	6.03	25.53	244.8	0.206	1473	4.65	Depth 273 m
70.0	5.75	32.52	5.75	25.63	235.9	0.230	1472	8.9	
80.0	5.46	32.64	5.45	25.75	223.9	0.253	1471	4.5	
90.0	5.53	32.72	5.52	25.81	218.9	0.275	1471	4.5	
100.0	5.43	32.84	5.42	25.92	208.8	0.297	1471	8.7	
110.0	5.47	32.98	5.46	26.02	199.0	0.317	1472	5.1	
120.0	5.55	33.08	5.54	26.09	192.1	0.337	1472	4.9	
130.0	5.76	33.26	5.75	26.21	181.5	0.355	1474	6.1	
140.0	6.01	33.34	6.00	26.24	178.7	0.373	1475	4.7	
150.0	6.18	33.50	6.17	26.35	168.5	0.391	1476	8.0	
160.0	6.35	33.64	6.34	26.44	160.6	0.407	1477	3.5	
170.0	6.49	33.79	6.40	26.53	151.6	0.423	1478	5.6	
180.0	6.61	33.90	6.60	26.61	144.7	0.438	1479	5.4	
190.0	6.70	34.00	6.68	26.67	138.8	0.452	1479	4.6	
200.0	6.76	34.04	6.75	26.70	136.6	0.465	1480	3.8	
210.0	6.85	34.09	6.83	26.73	134.1	0.479	1480	2.6	
220.0	6.87	34.12	6.85	26.75	132.1	0.492	1481	1.9	
230.0	6.93	34.17	6.90	26.78	129.6	0.505	1481	3.2	
240.0	6.98	34.21	6.96	26.80	127.4	0.518	1482	4.9	
250.0	7.01	34.23	6.99	26.82	126.3	0.531	1482	1.0	
260.0	7.03	34.25	7.01	26.82	125.8	0.543	1482	1.9	
268.0	7.05	34.26	7.03	26.83	125.1	0.554	1482		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/st+2	m/sec	cph	
0.0	18.93	31.51	18.93	22.38	545.1	0.000	1515	10.99	Cruise EN165
10.0	15.23	31.77	15.23	23.44	444.2	0.053	1504	16.96	Station 5
20.0	10.83	32.09	10.02	24.68	326.0	0.090	1487	11.46	29 JUL 1987
30.0	8.85	32.31	6.84	25.32	264.3	0.120	1475	4.38	0545 UTC
40.0	8.37	32.36	6.36	25.42	254.9	0.146	1474	8.83	42 33.1 N
50.0	4.92	32.50	4.92	25.70	228.5	0.170	1468	6.68	69 15.0 W
60.0	5.25	32.71	5.24	25.83	216.3	0.192	1470	-6.09	Depth 221 m
70.0	5.09	32.78	5.09	25.91	209.0	0.214	1469	3.9	
80.0	4.68	32.80	4.68	25.97	203.7	0.234	1468	0.8	
90.0	4.67	32.85	4.66	26.01	199.6	0.255	1468	2.5	
100.0	4.78	32.96	4.78	26.08	192.8	0.274	1469	5.4	
110.0	5.15	33.10	5.14	26.16	185.9	0.293	1471	7.4	
120.0	5.21	33.17	5.20	26.20	181.9	0.312	1471	3.4	
130.0	5.29	33.24	5.28	26.25	177.6	0.329	1472	6.6	
140.0	5.54	33.36	5.52	26.31	171.6	0.347	1473	-1.2	
150.0	5.79	33.48	5.78	26.38	165.4	0.364	1474	2.1	
160.0	5.97	33.57	5.96	26.43	161.3	0.380	1475	5.1	
170.0	6.14	33.70	6.13	26.51	153.9	0.396	1476	4.8	
180.0	6.40	33.87	6.38	26.61	144.3	0.411	1478	5.5	
190.0	6.66	34.03	6.64	26.70	136.2	0.425	1479	3.8	
200.0	6.85	34.14	6.83	26.76	130.2	0.438	1480	0.7	
210.0	6.87	34.15	6.85	26.77	129.7	0.451	1481	1.1	
217.0	6.91	34.18	6.89	26.79	128.0	0.460	1481		

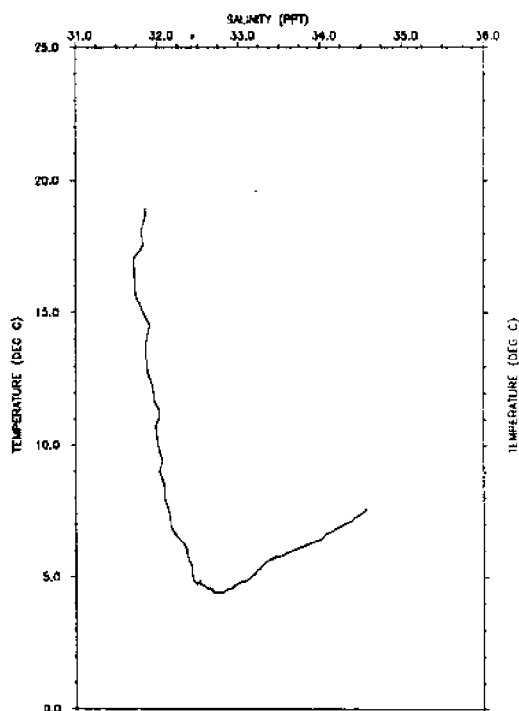
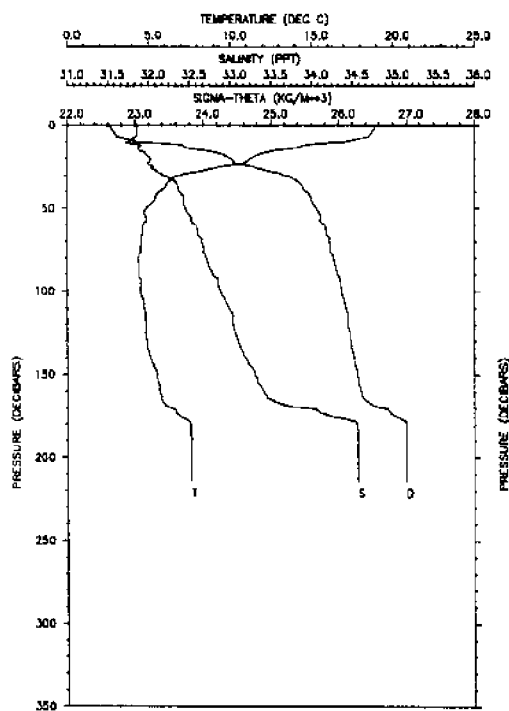


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/st+2	m/sec	cph	
0.0	18.00	31.78	18.00	22.81	503.8	0.000	1512	-3.72	Cruise EN165
10.0	15.80	31.88	15.79	23.40	448.1	0.050	1506	17.04	Station 6
20.0	12.35	32.06	12.35	24.24	367.8	0.090	1495	2.46	29 JUL 1987
30.0	7.75	32.16	7.75	25.08	287.9	0.124	1478	12.17	0730 UTC
40.0	5.76	32.41	5.75	25.54	243.9	0.150	1471	0.50	42 34.5 N
50.0	5.22	32.50	5.22	25.67	231.4	0.174	1469	3.03	68 60.0 W
60.0	5.06	32.68	5.06	25.83	216.3	0.196	1469	5.85	Depth 192 m
70.0	4.88	32.75	4.88	25.91	209.3	0.218	1469	1.9	
80.0	4.64	32.77	4.64	25.95	205.3	0.239	1468	2.4	
90.0	4.61	32.88	4.60	26.03	197.2	0.259	1468	9.4	
100.0	4.79	33.02	4.78	26.13	188.4	0.276	1469	2.4	
110.0	5.01	33.12	5.00	26.19	183.1	0.296	1470	2.6	
120.0	5.09	33.15	5.08	26.20	181.9	0.315	1471	8.4	
130.0	5.34	33.28	5.33	26.28	174.9	0.332	1472	9.5	
140.0	5.77	33.45	5.76	26.36	167.4	0.349	1474	5.5	
150.0	6.00	33.60	5.98	26.45	158.8	0.366	1475	5.6	
160.0	6.14	33.68	6.13	26.50	154.8	0.381	1476	2.5	
170.0	6.20	33.72	6.19	26.52	152.9	0.397	1477	2.7	
180.0	6.24	33.74	6.22	26.53	151.8	0.412	1477	-1.6	
181.0	6.24	33.74	6.22	26.53	151.9	0.414	1477		

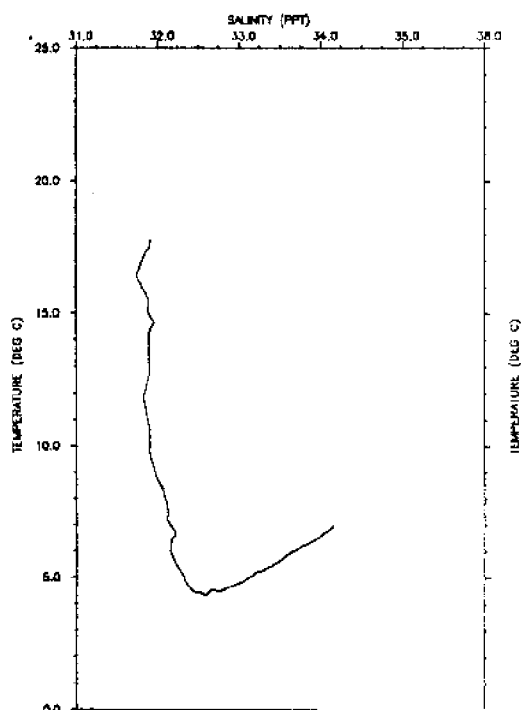
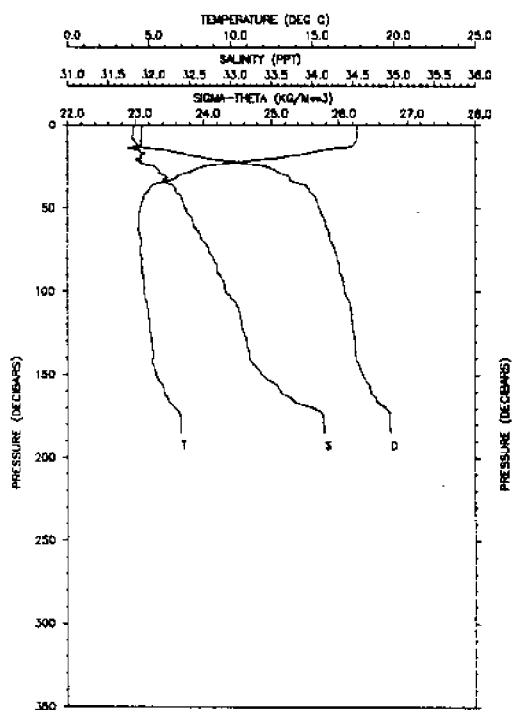


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	17.82	31.89	17.82	22.94	491.2	0.000	1512	-2.45	Cruise EN165
10.0	17.48	31.85	17.47	22.99	487.2	0.049	1511	16.91	Station 7
20.0	12.67	31.90	12.67	24.06	384.9	0.093	1496	24.28	29 JUL 1987
30.0	6.96	32.24	6.95	25.25	271.2	0.124	1476	11.97	0922 UTC
40.0	5.61	32.36	5.61	25.51	246.5	0.150	1470	9.73	42 35.5 N
50.0	5.13	32.43	5.12	25.63	235.8	0.174	1469	7.10	68 45.1 W
60.0	4.72	32.57	4.71	25.78	221.1	0.197	1467	5.49	Depth 189 m
70.0	4.73	32.68	4.73	25.87	212.7	0.219	1468	5.3	
80.0	4.77	32.79	4.76	25.95	205.5	0.239	1468	2.9	
90.0	4.79	32.87	4.79	26.01	199.8	0.260	1469	3.7	
100.0	4.85	32.95	4.84	26.07	194.0	0.279	1469	5.3	
110.0	5.11	33.10	5.10	26.16	185.9	0.298	1471	2.8	
120.0	5.35	33.19	5.34	26.20	182.2	0.317	1472	6.0	
130.0	5.45	33.31	5.44	26.29	173.8	0.335	1473	6.0	
140.0	5.89	33.61	5.88	26.47	156.8	0.351	1475	10.1	
150.0	6.57	33.88	6.56	26.60	145.0	0.366	1478	1.8	
160.0	6.64	33.94	6.63	26.63	142.2	0.381	1479	2.1	
170.0	6.70	33.97	6.68	26.65	140.3	0.395	1479	2.3	
180.0	6.66	33.99	6.64	26.67	138.7	0.409	1479	2.9	
189.0	6.66	34.00	6.64	26.68	138.2	0.421	1479		

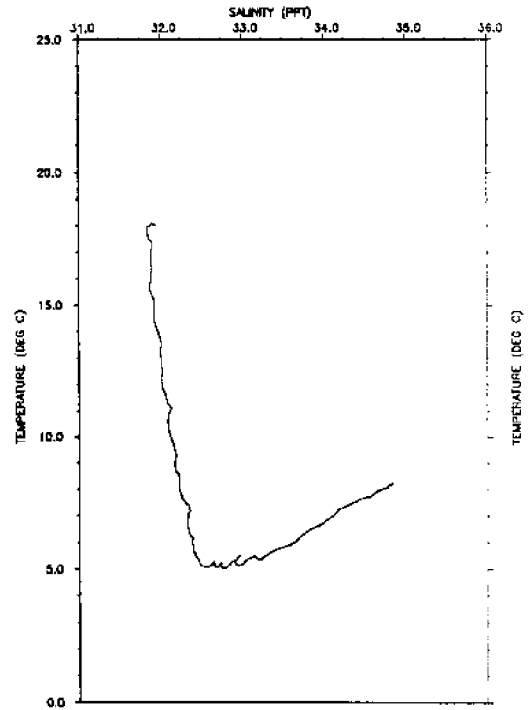
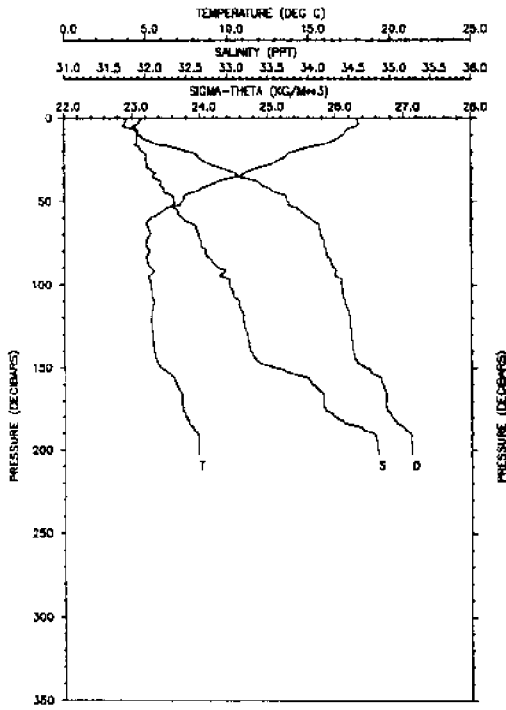




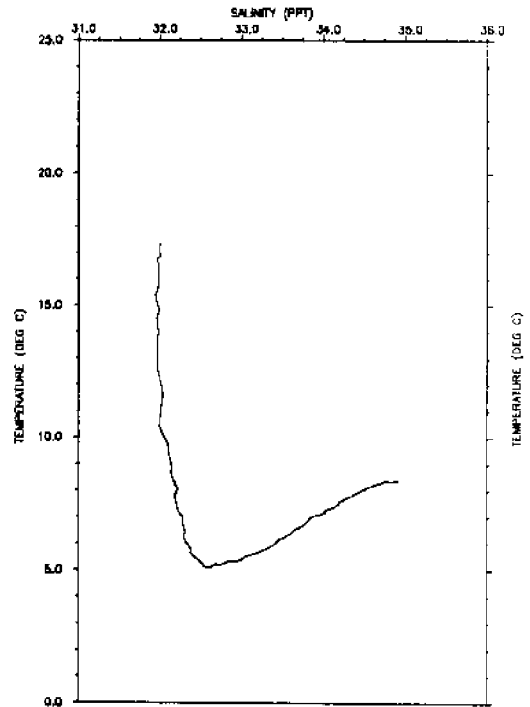
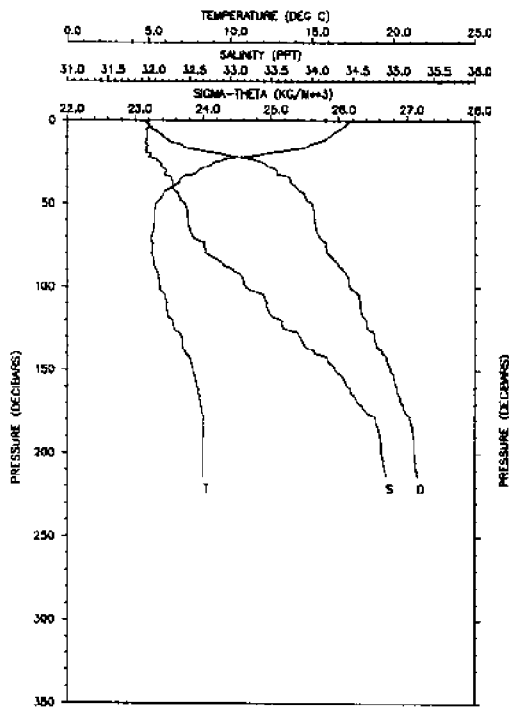
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	18.93	31.86	18.93	22.64	519.8	0.000	1515	4.00	Cruise EN165
10.0	17.01	31.72	17.01	23.00	486.1	0.051	1509	32.67	Station 8
20.0	11.28	32.02	11.28	24.41	351.4	0.091	1491	8.81	29 JUL 1987
30.0	6.93	32.17	6.93	25.20	276.2	0.123	1475	17.55	1815 UTC
40.0	5.66	32.39	5.66	25.53	244.9	0.148	1471	10.33	42 35.0 N
50.0	4.86	32.45	4.86	25.67	231.5	0.172	1468	7.53	68 30.1 W
60.0	4.66	32.57	4.66	25.79	220.2	0.195	1467	8.00	Depth 217 m
70.0	4.58	32.66	4.57	25.86	213.3	0.216	1467	3.8	
80.0	4.39	32.71	4.39	25.92	207.6	0.237	1467	4.3	
90.0	4.42	32.79	4.42	25.99	201.8	0.258	1467	5.3	
100.0	4.53	32.88	4.52	26.05	196.1	0.278	1468	4.4	
110.0	4.75	32.99	4.74	26.11	190.2	0.297	1469	4.8	
120.0	4.84	33.04	4.83	26.14	187.6	0.316	1470	2.3	
130.0	4.90	33.10	4.89	26.18	183.4	0.334	1470	2.4	
140.0	5.13	33.19	5.12	26.23	179.4	0.352	1471	4.4	
150.0	5.52	33.31	5.51	26.28	174.9	0.370	1473	2.7	
160.0	5.72	33.41	5.70	26.33	169.9	0.387	1474	6.0	
170.0	6.44	34.01	6.43	26.72	134.1	0.404	1478	8.4	
180.0	7.58	34.56	7.56	26.99	108.7	0.416	1483	-1.3	
190.0	7.60	34.57	7.59	26.99	108.7	0.426	1484	-0.7	
200.0	7.61	34.57	7.59	26.99	109.0	0.437	1484	-1.1	
210.0	7.61	34.57	7.59	26.99	109.1	0.448	1484	-0.9	
214.0	7.61	34.57	7.59	26.99	109.2	0.453	1484		



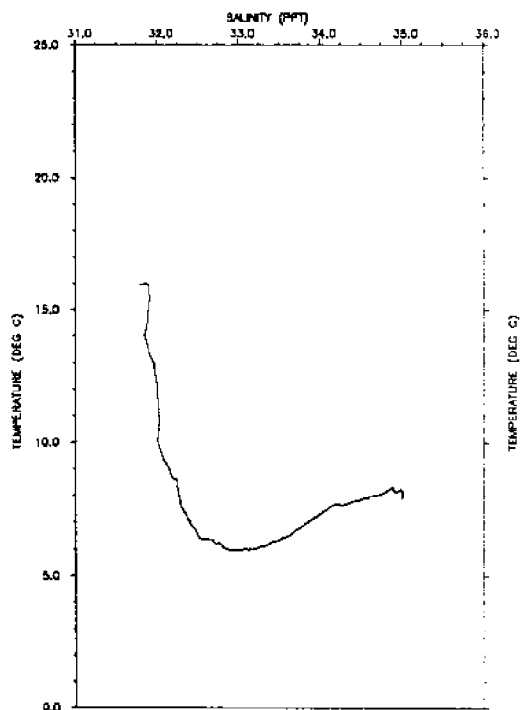
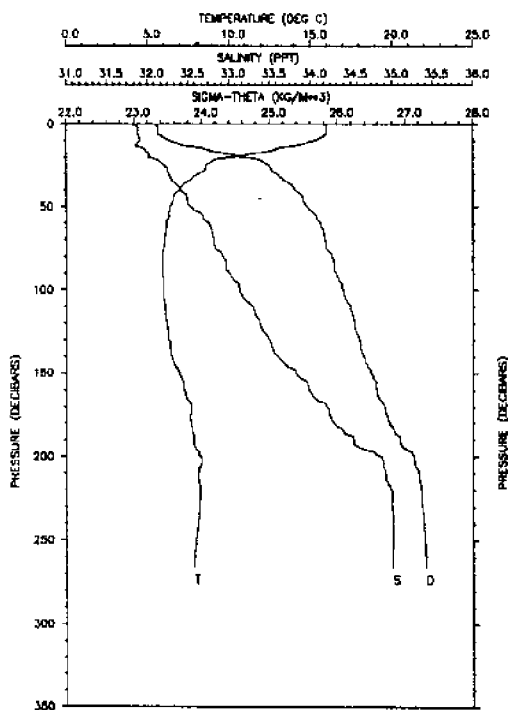
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	17.74	31.92	17.74	22.98	487.7	0.000	1512	-3.00	Cruise EN165
10.0	17.63	31.90	17.63	22.99	486.6	0.049	1511	7.88	Station 9
20.0	12.78	31.91	12.78	24.04	386.4	0.094	1496	19.00	29 JUL 1987
30.0	6.86	32.18	6.86	25.22	274.4	0.125	1475	11.30	2045 UTC
40.0	4.92	32.33	4.92	25.57	241.2	0.151	1468	8.41	42 34.4 N
50.0	4.46	32.45	4.46	25.71	227.4	0.174	1466	5.05	68 15.2 W
60.0	4.40	32.55	4.40	25.80	219.5	0.196	1466	4.44	Depth 190 m
70.0	4.54	32.67	4.54	25.88	211.6	0.218	1467	7.4	
80.0	4.56	32.80	4.56	25.98	202.5	0.239	1467	2.2	
90.0	4.63	32.86	4.62	26.02	198.2	0.259	1468	5.6	
100.0	4.72	32.94	4.71	26.07	193.5	0.278	1469	4.7	
110.0	4.96	33.09	4.95	26.17	184.6	0.297	1470	1.6	
120.0	5.07	33.14	5.06	26.20	182.3	0.315	1471	2.0	
130.0	5.18	33.20	5.17	26.23	179.4	0.333	1471	2.3	
140.0	5.24	33.24	5.23	26.25	177.2	0.351	1472	3.7	
150.0	5.44	33.38	5.43	26.34	168.8	0.369	1473	6.7	
160.0	5.94	33.62	5.93	26.47	157.1	0.385	1475	3.7	
170.0	6.66	34.03	6.64	26.70	135.4	0.400	1479	5.7	
180.0	6.96	34.14	6.94	26.75	131.2	0.413	1480	1.8	
185.0	6.97	34.15	6.96	26.76	130.9	0.419	1481		



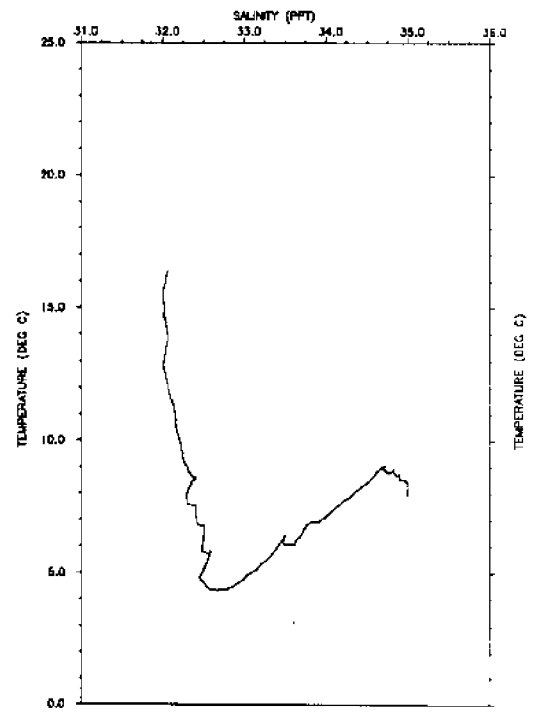
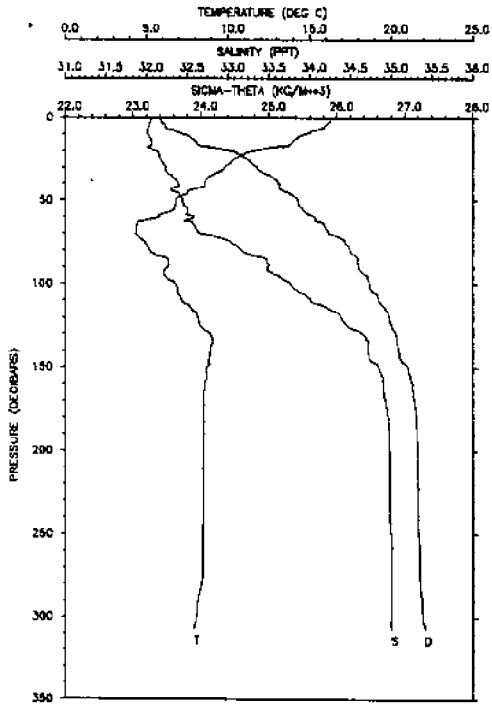
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	18.01	31.95	18.01	22.94	491.4	0.000	1512	-6.55	Cruise EN165
10.0	17.20	31.90	17.19	23.09	477.1	0.049	1510	10.51	Station 10
20.0	14.05	31.97	14.05	23.83	406.4	0.094	1500	15.90	29 JUL 1987
30.0	11.82	32.03	11.82	24.32	360.3	0.132	1493	16.58	2215 UTC
40.0	9.05	32.18	9.05	24.90	305.0	0.165	1484	13.09	42 33.0 N
50.0	7.27	32.36	7.26	25.30	266.8	0.193	1477	7.27	68 0.0 W
60.0	5.32	32.47	5.32	25.63	235.1	0.219	1470	7.93	Depth 202 m
70.0	5.29	32.66	5.28	25.78	220.8	0.241	1470	4.6	
80.0	5.25	32.75	5.24	25.86	213.6	0.263	1470	3.3	
90.0	5.35	32.91	5.35	25.98	202.4	0.284	1471	10.0	
100.0	5.31	33.03	5.30	26.08	192.8	0.303	1471	1.1	
110.0	5.57	33.15	5.56	26.15	186.9	0.322	1472	1.5	
120.0	5.37	33.21	5.36	26.21	180.9	0.341	1472	0.7	
130.0	5.43	33.25	5.42	26.24	178.6	0.359	1472	1.7	
140.0	5.54	33.30	5.53	26.27	176.1	0.377	1473	3.6	
150.0	5.93	33.59	5.92	26.45	159.1	0.394	1475	12.6	
160.0	6.85	34.05	6.84	26.69	136.8	0.408	1480	8.0	
170.0	7.25	34.18	7.23	26.74	132.1	0.422	1481	1.0	
180.0	7.47	34.34	7.46	26.83	123.8	0.434	1483	7.5	
190.0	8.16	34.80	8.14	27.10	99.1	0.446	1486	3.9	
200.0	8.24	34.84	8.22	27.12	97.5	0.455	1486	3.1	
202.0	8.25	34.85	8.23	27.12	97.1	0.457	1487		



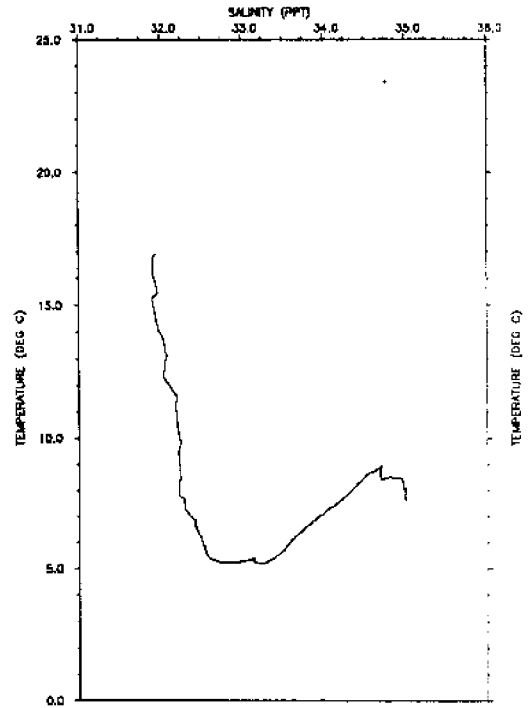
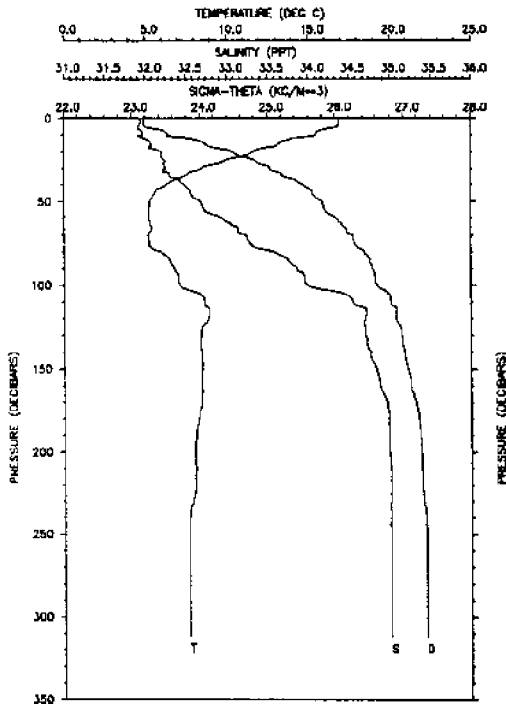
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	m³/kg	10m²/s²	m/sec	cph	
0.0	17.35	32.81	17.35	23.14	472.4	0.000	1510	8.78	Cruise EN165
10.0	16.00	31.98	16.00	23.43	444.9	0.046	1506	9.36	Station 11
20.0	11.92	32.02	11.92	24.29	362.4	0.087	1493	14.19	29 JUL 1987
30.0	8.04	32.22	8.03	25.09	286.0	0.119	1480	-2.67	2330 UTC
40.0	6.46	32.31	6.46	25.37	260.1	0.146	1474	5.73	42 32.4 N
50.0	5.44	32.46	5.44	25.61	237.1	0.171	1470	2.46	67 45.0 W
60.0	5.36	32.49	5.35	25.65	234.0	0.195	1470	1.80	Depth 226 m
70.0	5.15	32.55	5.15	25.71	227.4	0.218	1469	7.9	
80.0	5.18	32.71	5.18	25.84	215.3	0.240	1470	8.7	
90.0	5.51	33.05	5.50	26.07	194.2	0.260	1472	7.5	
100.0	5.67	33.19	5.66	26.17	185.1	0.279	1473	7.0	
110.0	6.11	33.45	6.10	26.32	171.1	0.297	1475	-2.3	
120.0	6.45	33.63	6.44	26.41	162.1	0.313	1477	-0.9	
130.0	7.01	33.86	6.99	26.52	152.2	0.329	1479	2.7	
140.0	7.27	34.04	7.26	26.63	142.3	0.344	1481	12.3	
150.0	7.71	34.28	7.69	26.76	130.5	0.358	1483	6.4	
160.0	7.97	34.46	7.95	26.86	121.2	0.370	1484	2.4	
170.0	8.16	34.59	8.14	26.93	114.9	0.382	1485	6.7	
180.0	8.37	34.78	8.35	27.05	103.5	0.393	1487	-1.6	
190.0	8.35	34.84	8.33	27.10	99.2	0.403	1487	2.5	
200.0	8.35	34.86	8.33	27.11	98.1	0.413	1487	3.4	
210.0	8.36	34.89	8.34	27.14	96.0	0.423	1487	3.9	
214.0	8.36	34.91	8.34	27.15	94.5	0.426	1487		



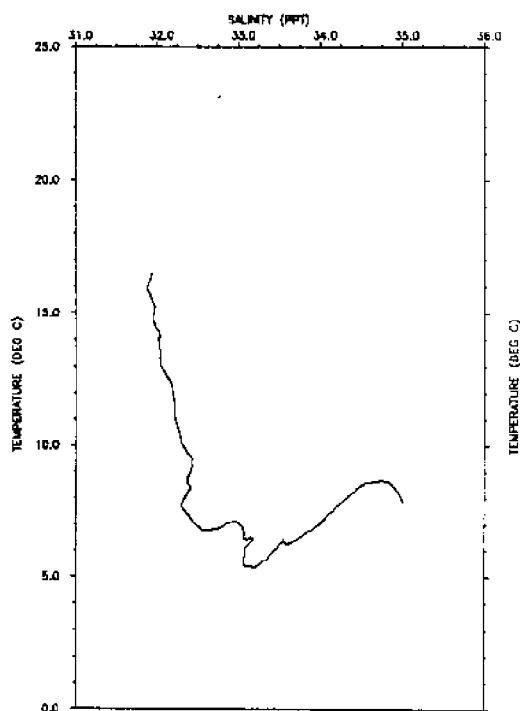
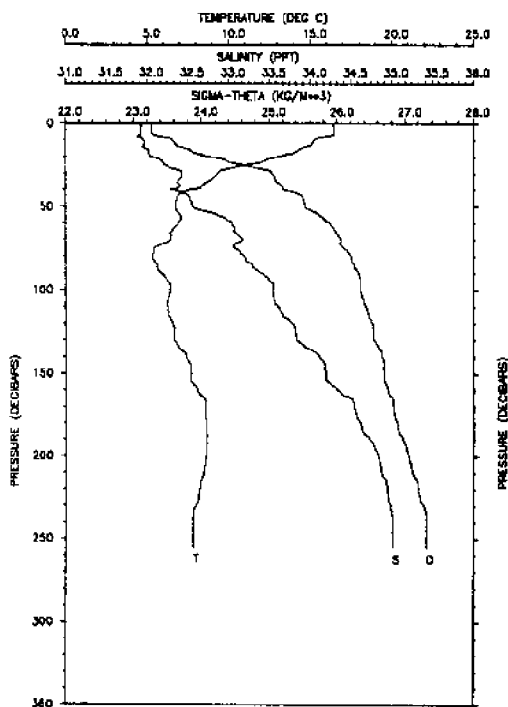
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	15.96	31.80	15.96	23.29	457.5	0.000	1506	12.87	Cruise EN165
10.0	15.23	31.90	15.23	23.54	434.4	0.045	1504	14.55	Station 12
20.0	10.07	32.01	10.07	24.61	332.6	0.084	1487	24.07	30 JUL 1987
30.0	8.12	32.27	8.12	25.12	284.3	0.113	1480	8.59	0052 UTC
40.0	6.98	32.41	6.98	25.38	259.1	0.141	1476	9.69	42 32.0 N
50.0	6.38	32.54	6.38	25.56	242.0	0.165	1474	7.32	67 29.1 W
60.0	6.22	32.76	6.22	25.76	223.5	0.189	1474	3.59	Depth 272 m
70.0	6.08	32.82	6.07	25.82	217.6	0.211	1473	3.1	
80.0	5.97	32.94	5.96	25.93	207.7	0.232	1473	4.7	
90.0	5.97	33.01	5.96	25.99	202.2	0.253	1474	5.7	
100.0	5.99	33.13	5.99	26.08	193.3	0.272	1474	3.7	
110.0	6.11	33.30	6.10	26.19	182.7	0.291	1475	3.1	
120.0	6.22	33.39	6.21	26.25	177.4	0.309	1476	1.0	
130.0	6.33	33.50	6.32	26.33	170.5	0.327	1476	4.8	
140.0	6.47	33.60	6.46	26.39	165.0	0.343	1477	7.1	
150.0	6.97	33.82	6.95	26.50	154.7	0.359	1480	4.5	
160.0	7.30	33.99	7.28	26.58	147.0	0.374	1481	5.3	
170.0	7.69	34.21	7.67	26.70	136.3	0.389	1483	6.3	
180.0	7.66	34.29	7.64	26.77	129.8	0.402	1483	5.2	
190.0	7.89	34.54	7.87	26.93	115.1	0.414	1485	1.0	
200.0	8.27	34.87	8.25	27.14	95.8	0.425	1487	1.9	
210.0	8.12	34.93	8.10	27.20	89.6	0.434	1486	2.2	
220.0	8.24	35.00	8.22	27.24	86.5	0.443	1487	2.4	
230.0	8.20	35.01	8.18	27.25	85.5	0.452	1487	1.2	
240.0	8.10	35.02	8.07	27.28	83.0	0.460	1487	0.8	
250.0	8.01	35.02	7.98	27.29	82.1	0.468	1487	-1.5	
260.0	7.90	35.01	7.87	27.30	80.9	0.477	1486	1.7	
266.0	7.89	35.02	7.86	27.31	80.8	0.481	1486		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	mt3/kg	10m+2/s+2	m/sec	cph	
0.0	16.38	32.07	16.38	23.41	446.6	0.000	1508	4.21	Cruise EN165
10.0	14.70	32.01	14.70	23.73	415.7	0.044	1502	16.45	Station 13
20.0	11.54	32.11	11.54	24.43	349.9	0.083	1492	17.00	30 JUL 1987
30.0	9.78	32.23	9.78	24.83	311.6	0.116	1486	3.99	0252 UTC
40.0	8.58	32.40	8.57	25.14	281.7	0.145	1482	5.57	42 31.4 N
50.0	6.82	32.45	6.81	25.43	254.4	0.172	1476	-2.25	67 13.2 W
60.0	5.82	32.59	5.81	25.67	231.5	0.197	1472	6.85	Depth 320 m
70.0	4.35	32.65	4.34	25.89	211.1	0.219	1466	18.2	
80.0	5.21	33.17	5.21	26.20	181.6	0.238	1471	4.6	
90.0	6.32	33.49	6.31	26.32	170.5	0.255	1476	7.5	
100.0	6.75	33.76	6.74	26.48	155.6	0.271	1478	4.3	
110.0	7.15	34.01	7.14	26.62	142.8	0.288	1480	7.0	
120.0	8.15	34.39	8.13	26.77	128.5	0.300	1484	3.9	
130.0	8.89	34.65	8.88	26.86	120.3	0.312	1487	7.0	
140.0	8.94	34.72	8.92	26.91	116.2	0.324	1488	2.6	
150.0	8.71	34.85	8.69	27.05	103.2	0.335	1487	5.7	
160.0	8.57	34.91	8.56	27.12	97.1	0.345	1487	2.0	
170.0	8.51	34.93	8.49	27.14	94.5	0.355	1487	1.5	
180.0	8.51	34.96	8.49	27.17	92.3	0.364	1487	2.4	
190.0	8.50	34.98	8.48	27.18	91.3	0.373	1487	2.9	
200.0	8.46	34.98	8.44	27.19	90.4	0.382	1487	-0.2	
210.0	8.46	34.99	8.43	27.20	90.3	0.391	1488	0.9	
220.0	8.46	34.99	8.43	27.20	90.3	0.400	1488	-0.4	
230.0	8.45	34.99	8.43	27.20	90.3	0.409	1488	-0.8	
240.0	8.45	34.99	8.42	27.20	90.4	0.418	1488	-0.2	
250.0	8.43	35.00	8.40	27.21	89.9	0.427	1488	1.0	
260.0	8.43	35.01	8.41	27.22	89.2	0.436	1488	2.1	
270.0	8.42	35.01	8.39	27.23	88.9	0.445	1489	-0.5	
280.0	8.34	35.01	8.31	27.23	88.4	0.454	1488	1.3	
290.0	8.13	35.00	8.10	27.26	85.9	0.463	1488	2.6	
300.0	8.05	35.00	8.02	27.27	84.8	0.471	1488	1.9	
307.0	7.89	35.00	7.86	27.29	82.8	0.477	1487		

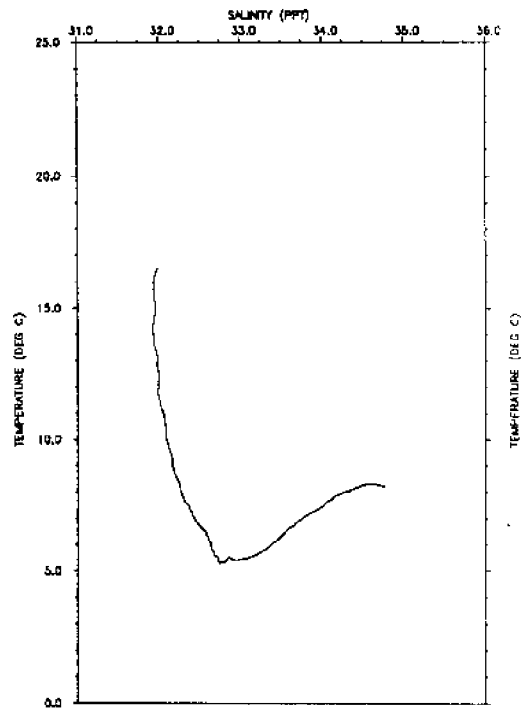
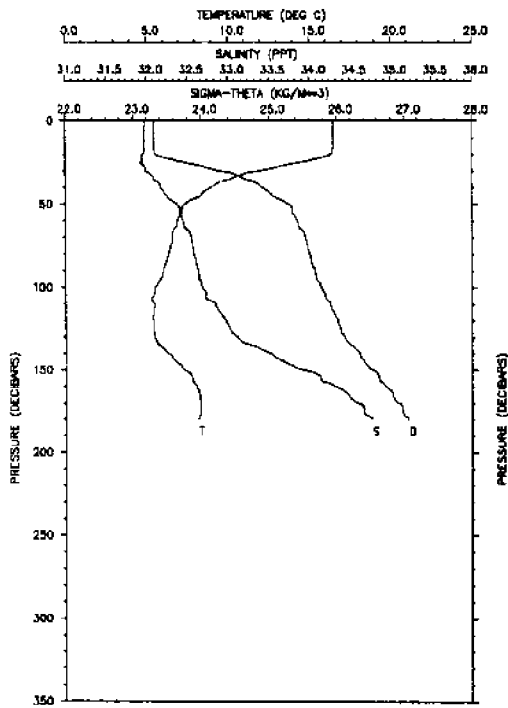


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	16.93	31.95	16.93	23.19	467.4	0.000	1509	1.09	Cruise EN165
10.0	15.47	31.97	15.47	23.53	434.8	0.046	1505	3.25	Station 14
20.0	11.60	32.21	11.60	24.49	343.3	0.084	1492	8.53	30 JUL 1987
30.0	8.46	32.26	8.45	25.06	289.9	0.116	1481	-2.64	0430 UTC
40.0	6.33	32.48	6.32	25.52	245.4	0.143	1474	9.82	42 21.6 N
50.0	5.30	32.68	5.30	25.81	218.6	0.166	1470	5.36	67 11.4 W
60.0	5.26	32.94	5.26	26.01	199.1	0.187	1470	7.94	Depth 319 m
70.0	5.21	33.24	5.20	26.26	176.0	0.206	1470	4.8	
80.0	5.97	33.58	5.96	26.44	159.0	0.223	1474	4.6	
90.0	6.81	33.86	6.80	26.55	148.9	0.238	1478	4.0	
100.0	7.14	34.01	7.13	26.62	142.3	0.253	1480	7.5	
110.0	8.67	34.55	8.65	26.82	123.7	0.266	1486	4.3	
120.0	8.88	34.70	8.87	26.91	116.3	0.278	1487	4.5	
130.0	8.44	34.71	8.43	26.98	109.5	0.289	1486	6.6	
140.0	8.47	34.77	8.46	27.02	105.6	0.300	1486	2.3	
150.0	8.50	34.84	8.49	27.07	100.9	0.310	1487	3.8	
160.0	8.45	34.88	8.43	27.11	97.5	0.320	1487	3.0	
170.0	8.43	34.96	8.41	27.18	90.9	0.329	1487	4.5	
180.0	8.25	34.99	8.23	27.23	86.7	0.338	1486	2.8	
190.0	8.09	34.99	8.07	27.25	84.4	0.347	1486	1.5	
200.0	8.03	34.99	8.01	27.27	83.5	0.355	1486	2.4	
210.0	8.07	35.01	8.05	27.27	82.9	0.363	1486	2.7	
220.0	8.04	35.01	8.02	27.28	82.8	0.372	1486	1.6	
230.0	7.92	35.01	7.90	27.30	80.9	0.380	1486	0.6	
240.0	7.69	35.01	7.66	27.33	78.1	0.388	1485	2.0	
250.0	7.67	35.01	7.64	27.33	77.8	0.396	1485	0.6	
260.0	7.67	35.01	7.64	27.33	78.0	0.403	1485	0.5	
270.0	7.67	35.01	7.64	27.33	78.2	0.411	1486	-0.6	
280.0	7.67	35.01	7.64	27.33	78.3	0.419	1486	-0.8	
290.0	7.67	35.01	7.64	27.33	78.5	0.427	1486	-1.1	
300.0	7.67	35.01	7.64	27.33	78.6	0.435	1486	-1.2	
310.0	7.67	35.01	7.64	27.33	78.8	0.443	1486	-0.7	
312.0	7.67	35.01	7.64	27.34	78.9	0.444	1486		

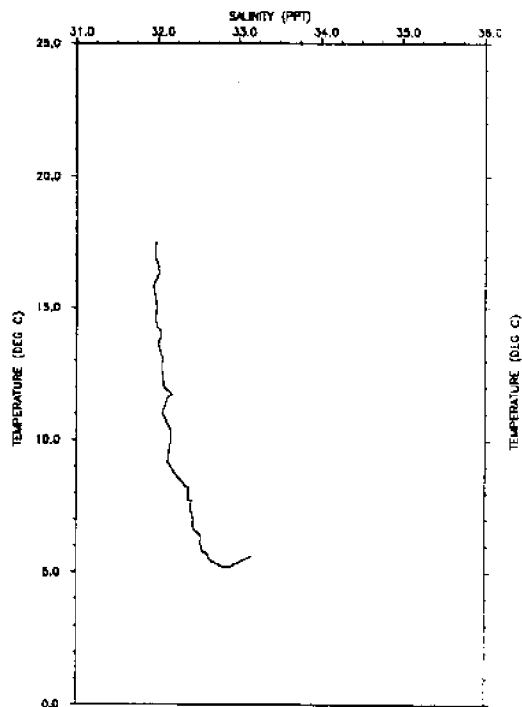
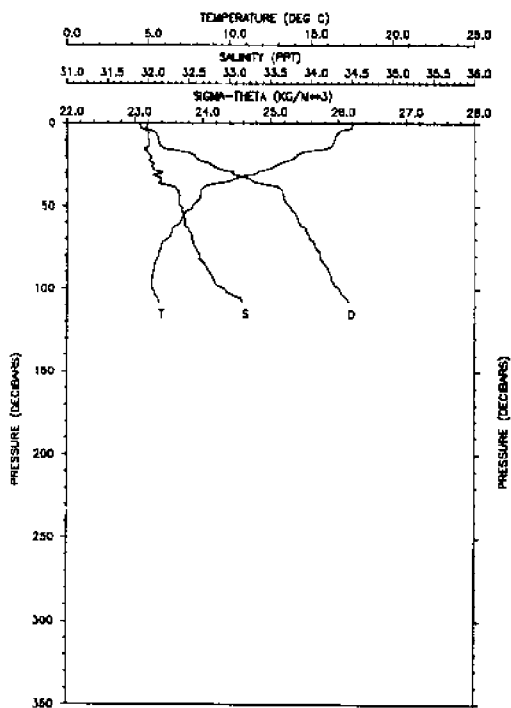


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	16.45	31.92	16.45	23.28	459.0	0.000	1508	2.27	Cruise EN165
10.0	15.26	31.96	15.26	23.58	430.8	0.045	1504	7.36	Station 15
20.0	13.01	32.04	13.01	24.10	381.0	0.087	1497	24.37	30 JUL 1987
30.0	9.40	32.42	9.39	25.04	291.5	0.120	1485	10.13	0537 UTC
40.0	7.71	32.29	7.70	25.19	277.2	0.148	1479	22.14	42 16.3 N
50.0	6.75	32.56	6.74	25.53	244.9	0.173	1475	7.57	67 10.7 W
60.0	6.93	33.06	6.93	25.90	210.2	0.196	1477	3.80	Depth 262 m
70.0	6.43	33.18	6.42	26.06	195.0	0.216	1475	-5.5	
80.0	5.36	33.20	5.36	26.21	181.0	0.235	1471	4.6	
90.0	5.90	33.41	5.90	26.31	171.5	0.253	1474	4.4	
100.0	6.44	33.55	6.43	26.35	167.5	0.270	1476	1.7	
110.0	6.26	33.61	6.25	26.42	161.1	0.286	1478	5.6	
120.0	6.58	33.79	6.57	26.52	151.7	0.302	1477	3.1	
130.0	6.71	33.83	6.70	26.54	150.5	0.317	1478	6.9	
140.0	7.41	34.11	7.40	26.66	139.4	0.331	1481	4.8	
150.0	7.71	34.20	7.69	26.69	137.1	0.345	1483	-1.6	
160.0	8.06	34.33	8.05	26.74	132.3	0.359	1485	6.3	
170.0	8.58	34.54	8.56	26.83	124.2	0.371	1487	1.8	
180.0	8.62	34.62	8.60	26.88	119.4	0.384	1487	4.3	
190.0	8.69	34.74	8.67	26.97	111.9	0.395	1488	5.4	
200.0	8.60	34.84	8.58	27.06	103.3	0.406	1488	4.4	
210.0	8.46	34.88	8.44	27.11	98.2	0.416	1488	4.4	
220.0	8.25	34.95	8.23	27.20	90.5	0.428	1487	3.7	
230.0	7.97	34.99	7.95	27.27	83.5	0.434	1486	5.3	
240.0	7.84	35.01	7.81	27.31	80.1	0.442	1486	-0.2	
250.0	7.84	35.01	7.81	27.31	80.1	0.450	1486	-0.7	
255.0	7.84	35.01	7.81	27.31	80.2	0.454	1486		

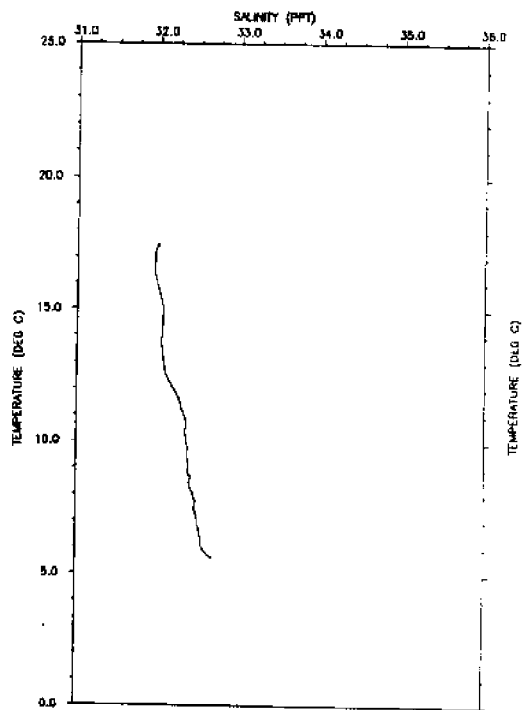
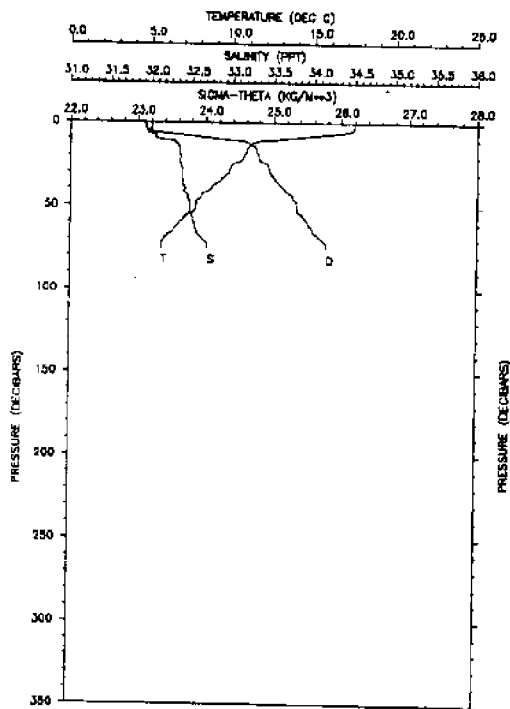




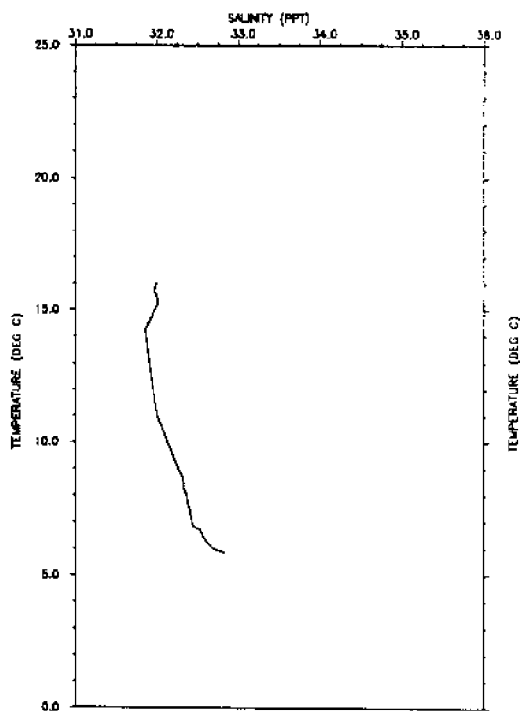
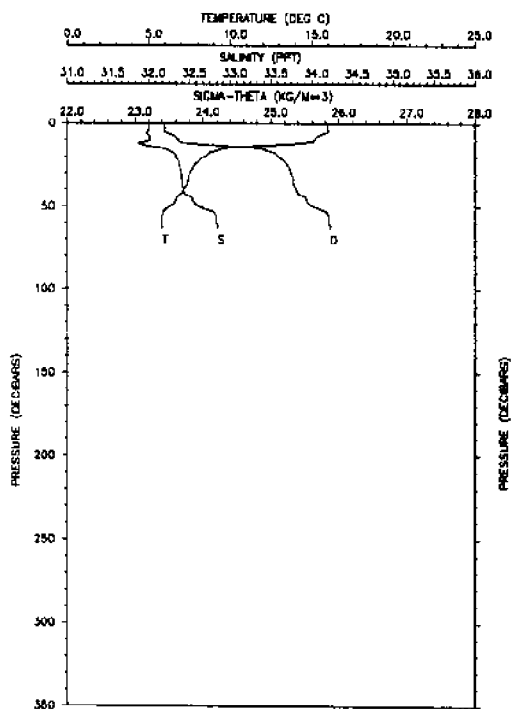
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/s+2	n/sec	cph	
0.0	16.50	31.98	16.50	23.32	455.3	0.000	1508	1.15	Cruise EN165
10.0	16.50	31.98	16.50	23.32	455.7	0.046	1508	-3.19	Station 16
20.0	16.30	31.96	16.29	23.34	453.2	0.091	1508	11.67	30 JUL 1987
30.0	11.78	31.99	11.78	24.29	363.0	0.132	1493	21.92	0645 UTC
40.0	8.96	32.17	8.95	24.91	303.9	0.165	1483	12.15	42 12.0 N
50.0	7.36	32.38	7.35	25.31	266.3	0.193	1478	9.78	67 10.5 W
60.0	6.92	32.45	6.92	25.42	255.4	0.219	1476	5.40	Depth 184 m
70.0	6.58	32.55	6.57	25.54	243.9	0.244	1475	4.6	
80.0	6.37	32.58	6.36	25.60	238.7	0.269	1474	5.9	
90.0	6.05	32.64	6.04	25.68	231.0	0.292	1473	2.0	
100.0	5.55	32.69	5.55	25.78	221.8	0.315	1472	7.0	
110.0	5.50	32.84	5.49	25.91	209.4	0.336	1472	4.3	
120.0	5.44	32.98	5.43	26.02	198.8	0.357	1472	3.5	
130.0	5.52	33.11	5.51	26.12	189.6	0.376	1473	5.0	
140.0	6.38	33.52	6.37	26.34	169.3	0.394	1477	5.8	
150.0	7.33	33.93	7.31	26.53	151.7	0.411	1481	12.3	
160.0	8.06	34.33	8.05	26.74	132.5	0.425	1485	8.0	
170.0	8.32	34.61	8.30	26.92	115.3	0.437	1486	9.6	
180.0	8.21	34.77	8.19	27.07	102.0	0.448	1486		



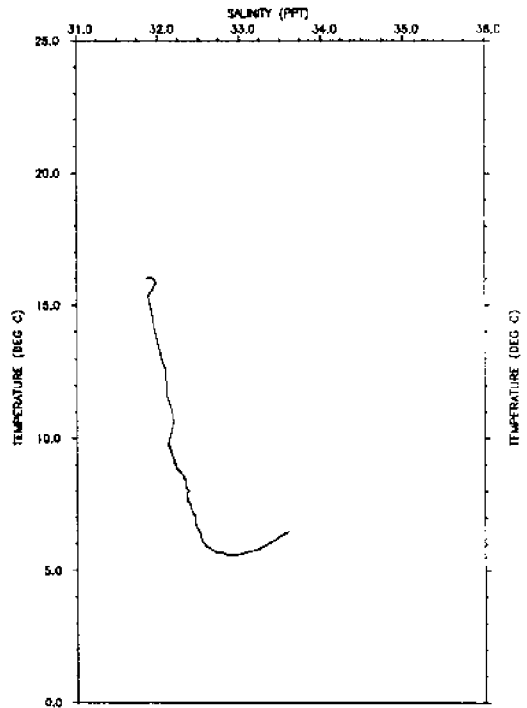
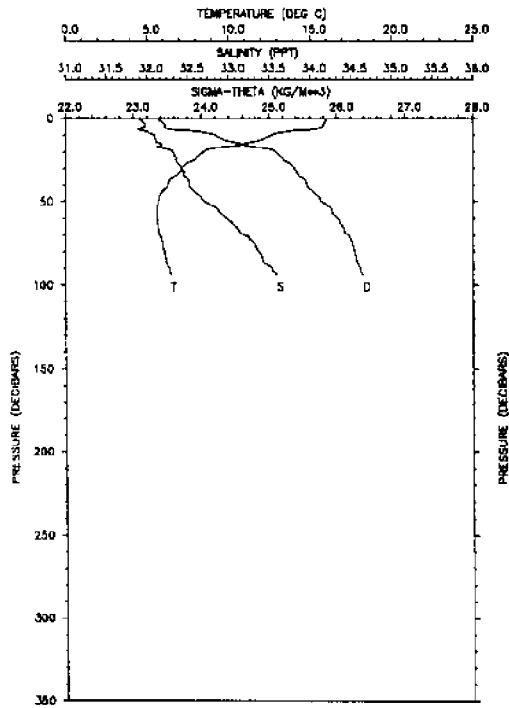
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	17.51	31.98	17.51	23.08	478.2	0.000	1511	3.95	Cruise EN165
10.0	16.41	32.01	16.41	23.36	451.8	0.046	1508	5.64	Station 17
20.0	14.02	32.03	14.02	23.89	401.0	0.090	1500	9.12	30 JUL 1987
30.0	11.64	32.12	11.63	24.42	350.5	0.127	1493	14.09	0722 UTC
40.0	8.22	32.36	8.22	25.17	279.4	0.158	1481	4.53	42 9.7 N
50.0	7.74	32.41	7.73	25.28	268.9	0.186	1479	5.03	67 10.2 W
60.0	6.95	32.45	6.94	25.42	255.9	0.212	1476	3.21	Depth 112 m
70.0	6.11	32.52	6.10	25.58	240.4	0.237	1473	12.3	
80.0	5.64	32.63	5.63	25.72	227.0	0.260	1472	2.8	
90.0	5.29	32.75	5.28	25.86	213.8	0.282	1471	7.1	
100.0	5.28	32.93	5.27	26.00	200.4	0.303	1471	6.4	
108.0	5.64	33.15	5.63	26.13	188.3	0.318	1473		



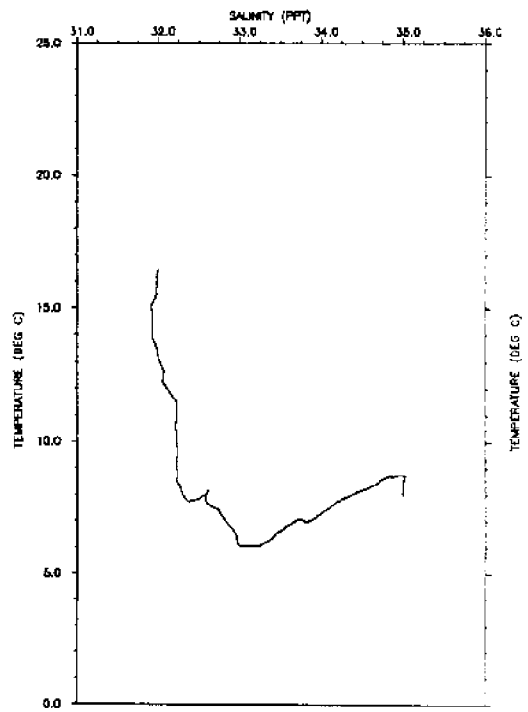
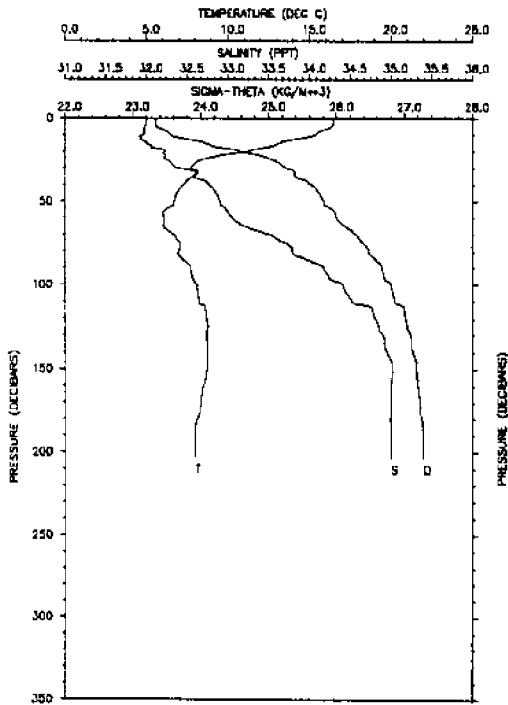
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	17.43	31.98	17.43	23.10	478.4	0.000	1511	6.62	Cruise EN165
10.0	12.56	32.09	12.56	24.23	368.8	0.045	1495	32.21	Station 18
20.0	10.63	32.36	10.63	24.78	316.0	0.078	1489	2.86	30 JUL 1987
30.0	9.72	32.38	9.72	24.95	300.1	0.108	1486	6.52	0800 UTC
40.0	8.64	32.42	8.64	25.15	281.1	0.137	1482	7.39	42 8.4 N
50.0	7.71	32.47	7.70	25.33	264.0	0.164	1479	2.78	67 9.9 W
60.0	6.71	32.52	6.71	25.50	247.6	0.190	1475	6.06	Depth 82 m
70.0	5.75	32.62	5.75	25.70	228.8	0.214	1472	12.5	
75.0	5.60	32.69	5.59	25.78	221.9	0.225	1471		



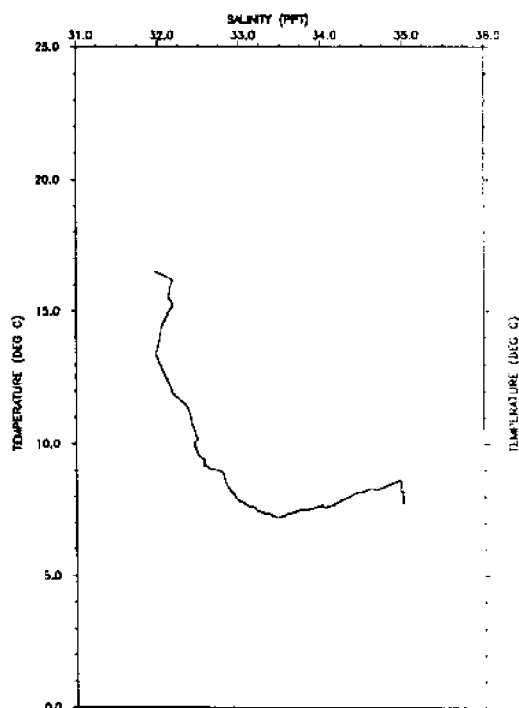
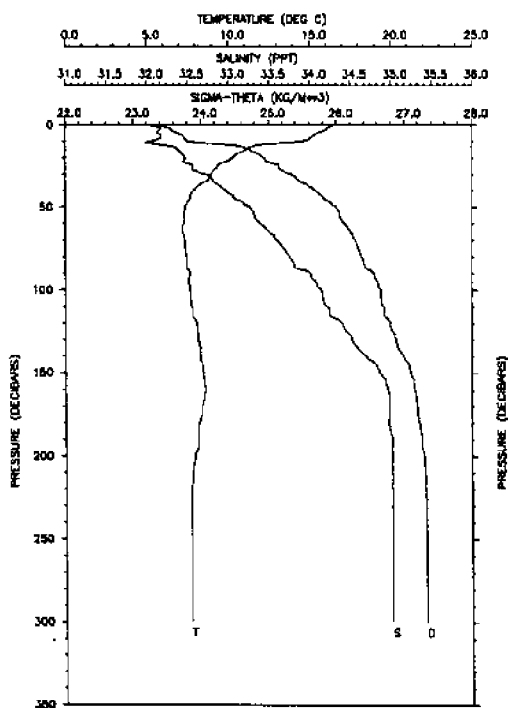
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	16.02	32.00	16.02	23.44	443.9	0.000	1506	1.09	Cruise EN165
10.0	15.23	32.02	15.23	23.63	428.0	0.044	1504	6.71	Station 19
20.0	8.40	32.34	8.40	25.13	283.0	0.078	1481	7.42	30 JUL 1987
30.0	7.53	32.40	7.52	25.30	266.6	0.105	1478	5.43	0945 UTC
40.0	7.14	32.43	7.14	25.38	259.4	0.132	1477	5.96	42 7.1 N
50.0	6.25	32.61	6.25	25.64	234.8	0.156	1474	14.08	66 46.3 W
60.0	5.86	32.83	5.86	25.85	214.4	0.178	1472	5.44	Depth 65 m
63.0	5.85	32.85	5.84	25.87	212.8	0.185	1472		



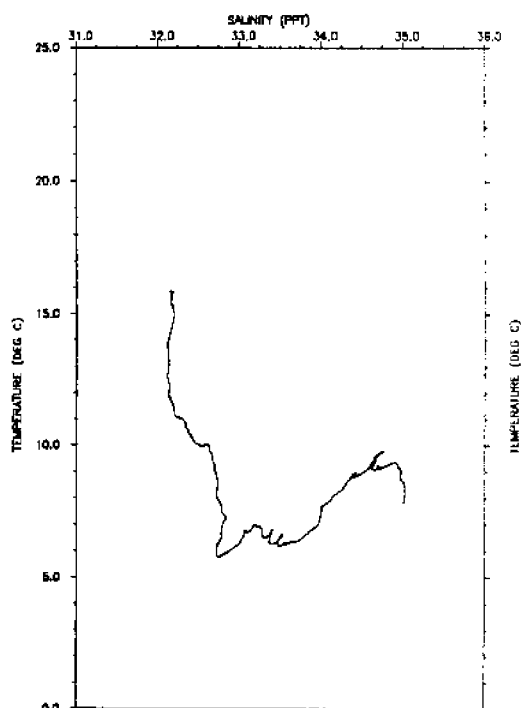
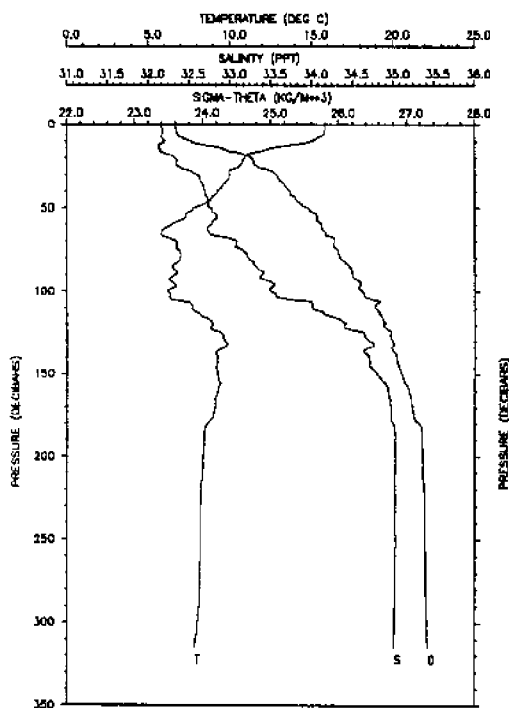
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/st+2	m/sec	cph	
0.0	16.02	31.86	16.02	23.33	454.1	0.000	1506	13.06	Cruise EN165
10.0	12.60	32.10	12.60	24.22	368.9	0.042	1496	9.08	Station 20
20.0	8.43	32.33	8.43	25.11	284.5	0.076	1481	8.41	30 JUL 1987
30.0	7.15	32.42	7.15	25.37	260.0	0.103	1477	9.58	1015 UTC
40.0	6.31	32.52	6.31	25.56	242.2	0.128	1474	2.44	42 8.9 N
50.0	5.68	32.71	5.68	25.78	221.0	0.151	1471	11.34	66 46.1 W
60.0	5.62	32.98	5.62	26.00	200.2	0.172	1472	9.48	Depth 98 m
70.0	5.80	33.21	5.79	26.16	185.2	0.191	1473	9.6	
80.0	6.09	33.38	6.08	26.26	175.8	0.209	1474	3.0	
90.0	6.39	33.54	6.38	26.35	167.9	0.227	1476	-1.0	
94.0	6.47	33.60	6.46	26.38	164.5	0.233	1476		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	16.44	32.00	16.44	23.34	452.9	0.000	1508	2.15	Cruise EN165
10.0	15.39	31.97	15.39	23.55	433.2	0.045	1505	9.60	Station 21
20.0	11.22	32.23	11.22	24.58	335.4	0.083	1491	17.74	30 JUL 1987
30.0	7.74	32.37	7.74	25.25	271.5	0.113	1479	16.16	1052 UTC
40.0	7.27	32.77	7.26	25.62	236.0	0.138	1478	10.51	42 12.0 N
50.0	6.68	32.91	6.68	25.81	218.1	0.161	1476	3.08	66 46.1 W
60.0	6.07	33.06	6.06	26.01	199.5	0.182	1474	6.95	Depth 209 m
70.0	6.09	33.53	6.88	26.30	171.9	0.200	1477	4.8	
80.0	6.99	33.80	6.98	26.47	156.0	0.217	1478	3.8	
90.0	7.70	34.17	7.69	26.87	137.9	0.231	1482	4.4	
100.0	8.08	34.40	8.07	26.80	126.0	0.245	1484	4.2	
110.0	8.23	34.52	8.22	26.86	119.9	0.257	1485	7.2	
120.0	8.69	34.81	8.67	27.02	105.4	0.268	1487	4.0	
130.0	8.72	34.91	8.70	27.09	98.7	0.278	1487	3.7	
140.0	8.76	34.96	8.74	27.13	95.8	0.288	1488	3.8	
150.0	8.75	35.02	8.73	27.18	91.2	0.297	1488	2.5	
160.0	8.52	35.00	8.50	27.20	89.2	0.306	1487	3.8	
170.0	8.36	35.00	8.34	27.22	87.2	0.315	1487	3.0	
180.0	8.15	34.99	8.13	27.25	84.6	0.324	1486	5.4	
190.0	7.99	35.00	7.97	27.28	82.0	0.332	1486	-1.8	
200.0	7.99	35.00	7.97	27.28	82.1	0.340	1486	1.0	
203.0	7.99	35.00	7.97	27.28	82.2	0.343	1486		

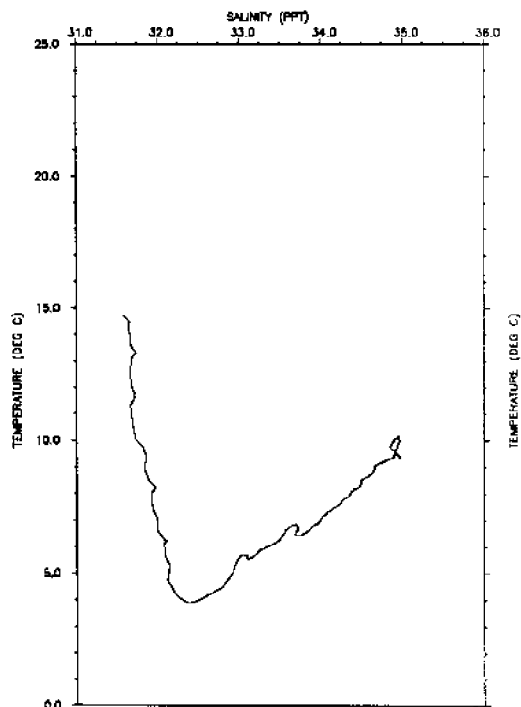
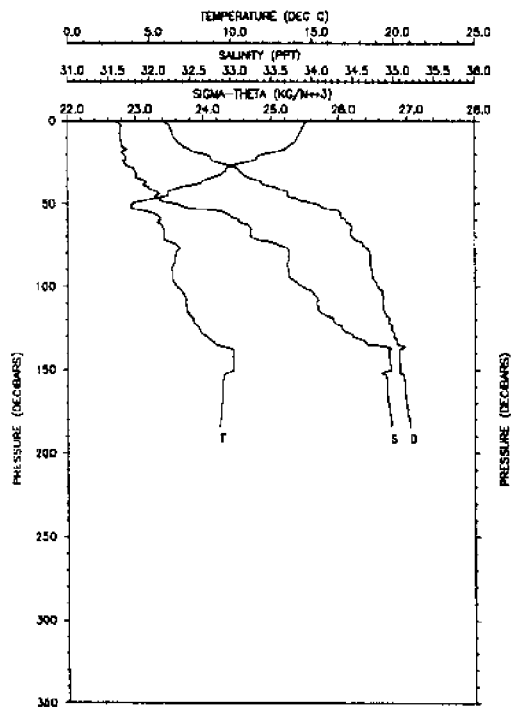


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	16.49	31.97	16.49	23.31	455.8	0.000	1508	20.21	Cruise EN165
10.0	14.38	32.06	14.38	23.84	406.0	0.042	1501	22.29	Station 22
20.0	10.30	32.47	10.30	24.93	301.8	0.076	1488	10.94	30 JUL 1987
30.0	9.02	32.74	9.02	25.34	262.6	0.104	1484	11.39	1207 UTC
40.0	7.88	32.98	7.88	25.71	228.3	0.128	1480	9.07	42 19.7 N
50.0	7.42	33.28	7.41	26.01	199.8	0.150	1479	7.50	66 46.1 W
60.0	7.31	33.40	7.30	26.12	189.6	0.169	1479	10.05	Depth 300 m
70.0	7.36	33.61	7.38	26.28	174.6	0.187	1479	6.6	
80.0	7.50	33.77	7.49	26.38	164.8	0.204	1480	3.7	
90.0	7.68	34.02	7.67	26.55	148.9	0.220	1482	5.4	
100.0	7.69	34.16	7.68	26.68	139.0	0.235	1482	3.3	
110.0	7.80	34.22	7.79	26.69	135.8	0.249	1483	6.2	
120.0	8.11	34.40	8.09	26.79	126.7	0.262	1484	3.4	
130.0	8.21	34.53	8.20	26.88	119.0	0.274	1485	3.2	
140.0	8.28	34.70	8.27	27.00	107.8	0.286	1485	5.2	
150.0	8.49	34.87	8.48	27.10	98.1	0.296	1487	4.2	
160.0	8.62	34.97	8.60	27.16	92.7	0.305	1487	4.5	
170.0	8.44	34.99	8.42	27.20	89.3	0.314	1487	1.8	
180.0	8.22	34.98	8.20	27.23	86.9	0.323	1486	3.1	
190.0	8.21	35.02	8.19	27.26	83.7	0.332	1486	0.4	
200.0	7.97	35.02	7.95	27.29	80.8	0.340	1486	2.6	
210.0	7.85	35.02	7.83	27.31	79.2	0.348	1485	2.7	
220.0	7.78	35.02	7.76	27.32	78.2	0.356	1485	-0.5	
230.0	7.76	35.01	7.74	27.32	78.5	0.364	1485	3.5	
240.0	7.76	35.02	7.74	27.33	78.3	0.372	1486	0.6	
250.0	7.76	35.02	7.73	27.33	78.4	0.379	1486	-0.9	
260.0	7.76	35.02	7.73	27.33	78.6	0.387	1486	0.4	
270.0	7.78	35.02	7.73	27.33	78.8	0.395	1486	0.3	
280.0	7.76	35.02	7.73	27.33	78.9	0.403	1486	-0.9	
290.0	7.76	35.02	7.73	27.33	79.1	0.411	1486	-0.5	
299.0	7.76	35.02	7.73	27.33	79.2	0.418	1486		

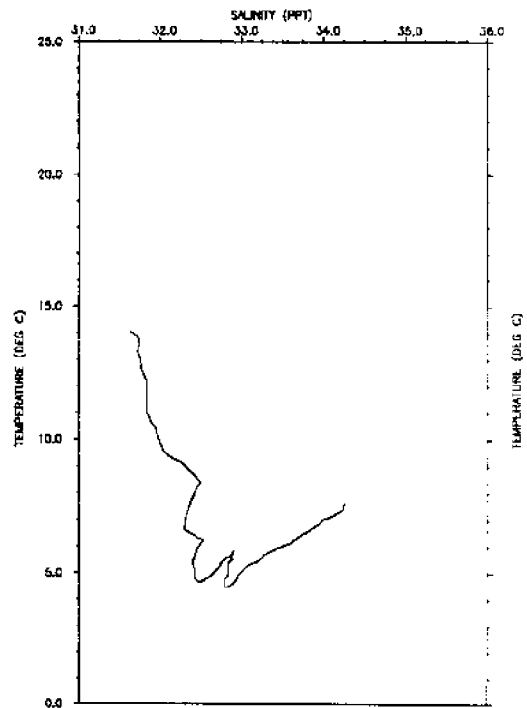
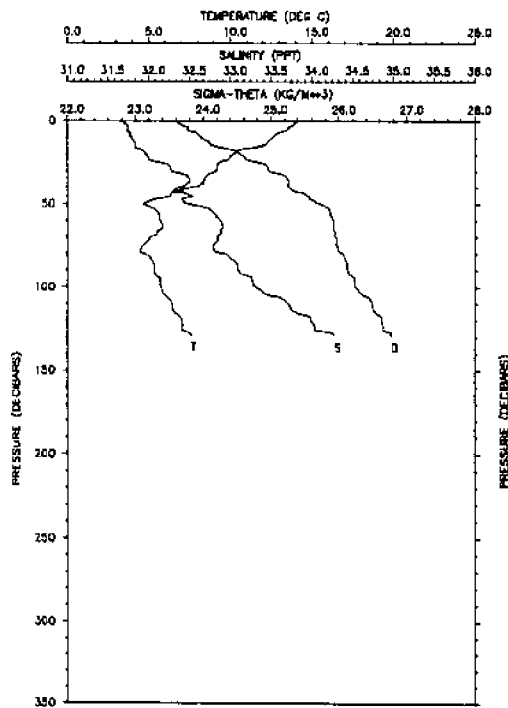


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	15.84	32.15	15.84	23.59	429.1	0.000	1506	6.20	Cruise EN165
10.0	14.97	32.21	14.97	23.83	406.6	0.042	1503	10.49	Station 23
20.0	10.90	32.33	10.90	24.71	322.4	0.078	1490	9.10	30 JUL 1987
30.0	9.99	32.60	9.99	25.08	287.9	0.109	1487	7.49	1322 UTC
40.0	9.23	32.70	9.23	25.28	268.8	0.137	1485	5.03	42 27.9 N
50.0	7.77	32.77	7.76	25.56	242.2	0.163	1480	5.24	66 46.1 W
60.0	6.42	32.77	6.42	25.74	225.2	0.186	1475	-3.50	Depth 326 m
70.0	6.78	33.08	6.77	25.94	206.4	0.208	1477	-5.5	
80.0	6.92	33.23	6.91	26.04	197.5	0.228	1477	7.6	
90.0	6.64	33.39	6.64	26.20	181.8	0.247	1477	3.6	
100.0	6.20	33.51	6.19	26.35	167.8	0.264	1475	9.1	
110.0	7.66	34.01	7.65	26.55	149.6	0.280	1482	7.7	
120.0	8.92	34.39	8.91	26.86	139.8	0.294	1487	7.5	
130.0	9.67	34.71	9.65	26.78	128.2	0.307	1490	7.2	
140.0	9.24	34.70	9.23	26.85	122.0	0.320	1489	-2.4	
150.0	9.23	34.81	9.22	26.93	114.2	0.332	1489	5.1	
160.0	9.26	34.94	9.25	27.03	105.2	0.343	1490	4.6	
170.0	9.09	34.97	9.07	27.09	100.2	0.353	1489	4.0	
180.0	8.60	35.00	8.59	27.18	91.2	0.363	1488	7.8	
190.0	8.41	35.03	8.39	27.24	86.2	0.372	1487	-1.0	
200.0	8.36	35.03	8.34	27.24	85.8	0.380	1487	1.9	
210.0	8.32	35.03	8.30	27.25	85.5	0.389	1487	-1.5	
220.0	8.25	35.03	8.22	27.26	84.3	0.397	1487	1.7	
230.0	8.21	35.03	8.19	27.27	83.8	0.406	1487	-0.8	
240.0	8.20	35.03	8.17	27.27	83.8	0.414	1487	1.7	
250.0	8.19	35.03	8.16	27.28	83.6	0.422	1487	1.2	
260.0	8.17	35.03	8.15	27.28	83.6	0.431	1487	-0.7	
270.0	8.16	35.03	8.13	27.28	83.6	0.439	1488	-0.7	
280.0	8.14	35.03	8.11	27.28	83.6	0.447	1488	0.7	
290.0	8.08	35.03	8.05	27.29	83.3	0.456	1488	-0.6	
300.0	8.01	35.02	7.98	27.29	82.7	0.464	1487	0.8	
310.0	7.89	35.01	7.86	27.30	82.0	0.472	1487	4.6	
315.0	7.83	35.01	7.80	27.31	81.0	0.476	1487		

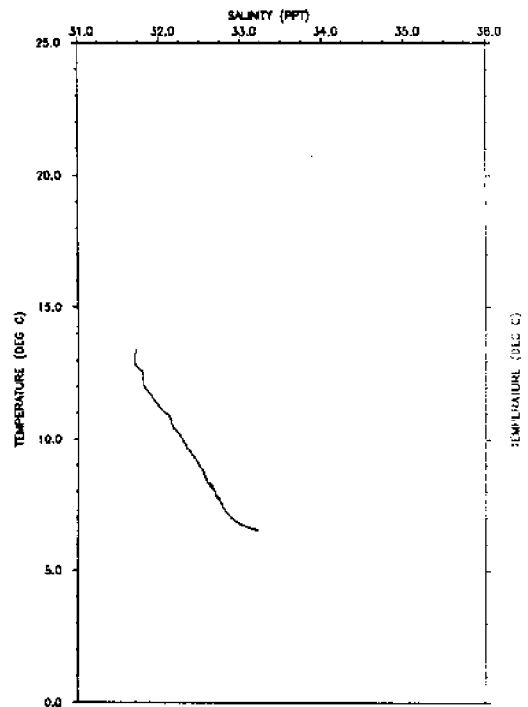
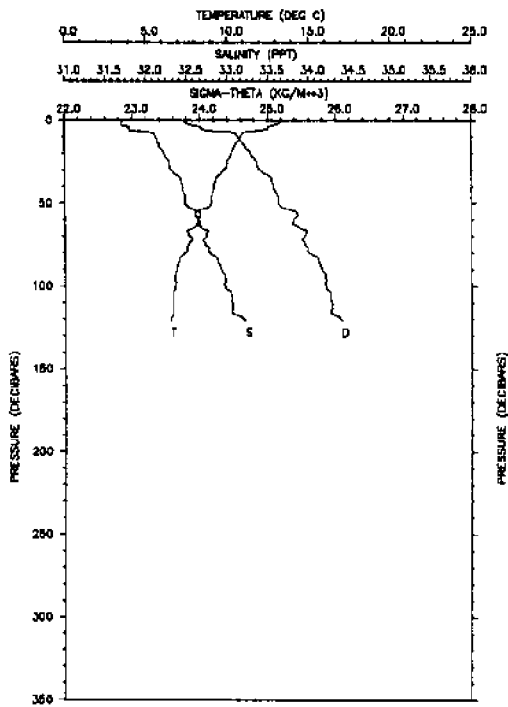




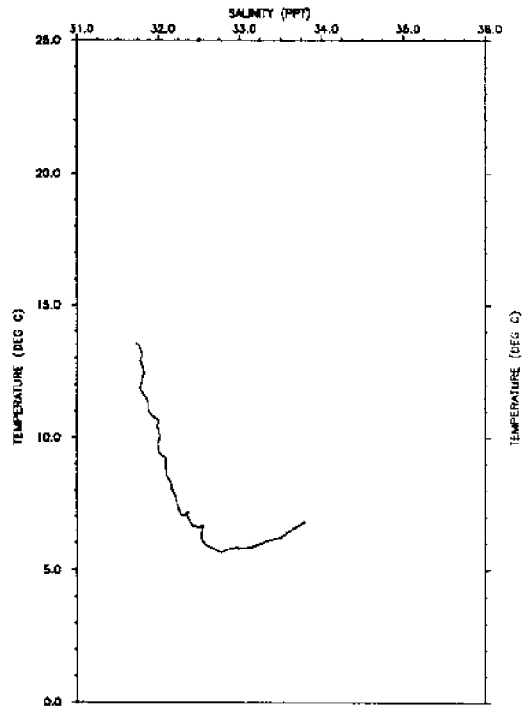
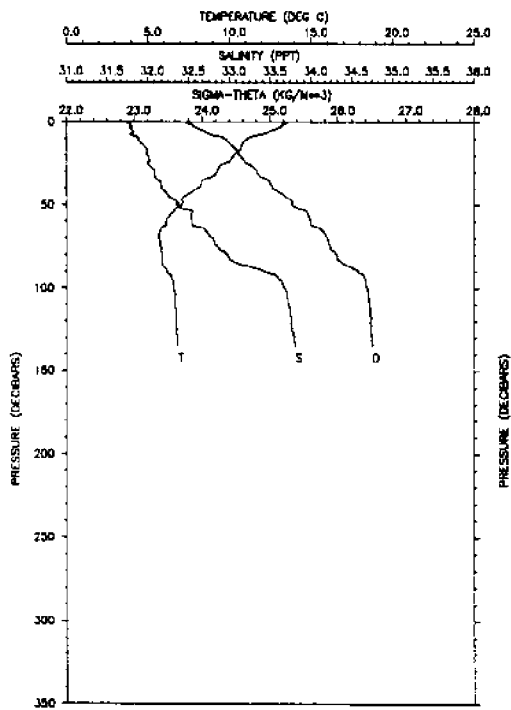
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	mf3/kg	10mf2/st2	m/sec	cph	
0.0	14.70	31.58	14.70	23.40	446.9	0.000	1502	11.34	Cruise EN165
10.0	14.12	31.64	14.12	23.57	431.2	0.044	1500	8.67	Station 24
20.0	11.93	31.69	11.93	24.04	387.0	0.085	1493	12.79	30 JUL 1987
30.0	9.72	31.83	9.71	24.52	340.7	0.122	1485	9.66	1430 UTC
40.0	6.98	32.00	6.98	25.06	289.7	0.154	1475	12.62	42 34.9 N
50.0	3.94	32.33	3.94	25.66	231.9	0.180	1464	12.34	66 40.7 W
60.0	5.68	33.09	5.88	26.08	192.5	0.201	1472	7.59	Depth 208 m
70.0	5.90	33.26	5.90	26.19	182.4	0.219	1473	9.0	
80.0	6.66	33.71	6.65	26.45	158.0	0.236	1477	3.7	
90.0	6.42	33.71	6.41	26.48	155.4	0.252	1476	4.4	
100.0	6.71	33.88	6.70	26.58	148.3	0.267	1478	5.3	
110.0	7.25	34.06	7.24	26.64	140.5	0.281	1480	4.1	
120.0	7.71	34.26	7.70	26.74	132.0	0.295	1482	1.2	
130.0	8.49	34.49	8.48	26.80	125.8	0.308	1486	7.2	
140.0	10.16	34.95	10.14	26.89	118.8	0.320	1493	-1.6	
150.0	10.16	34.97	10.14	26.91	117.2	0.332	1493	-10.1	
160.0	9.54	34.93	9.53	26.97	110.7	0.343	1491	0.8	
170.0	9.49	34.94	9.47	27.00	108.7	0.354	1491	3.8	
180.0	9.39	34.97	9.37	27.04	105.4	0.365	1491	4.0	
184.0	9.31	34.96	9.29	27.04	104.9	0.369	1490		



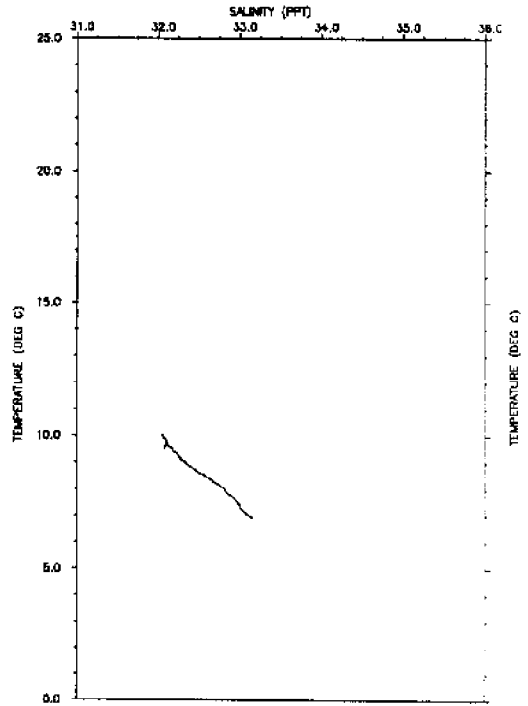
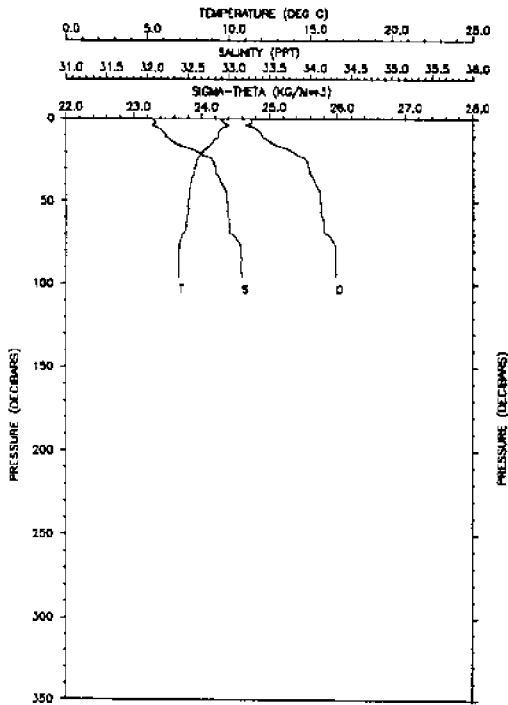
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	14.06	31.64	14.06	23.58	430.1	0.000	1500	11.76	Cruise EN165
10.0	12.57	31.78	12.57	23.99	391.6	0.041	1495	9.01	Station 25
20.0	10.13	31.97	10.12	24.57	336.5	0.078	1487	10.69	30 JUL 1987
30.0	9.12	32.27	9.11	24.97	298.6	0.109	1484	15.87	1537 UTC
40.0	7.53	32.36	7.53	25.27	269.8	0.137	1478	9.54	42 42.0 N
50.0	4.65	32.48	4.65	25.72	226.9	0.161	1467	15.64	66 34.1 W
60.0	5.69	32.88	5.68	25.92	208.3	0.183	1472	-3.23	Depth 162 m
70.0	5.06	32.83	5.06	25.95	204.9	0.204	1469	7.1	
80.0	4.74	32.94	4.74	26.07	193.6	0.224	1468	-4.6	
90.0	5.34	33.09	5.33	26.13	188.5	0.243	1471	4.5	
100.0	5.75	33.32	5.74	26.25	178.7	0.261	1473	9.5	
110.0	6.40	33.71	6.39	26.48	155.4	0.278	1477	5.4	
120.0	7.01	33.99	7.00	26.63	142.3	0.293	1479	3.4	
129.0	7.60	34.27	7.59	26.76	129.5	0.305	1482		



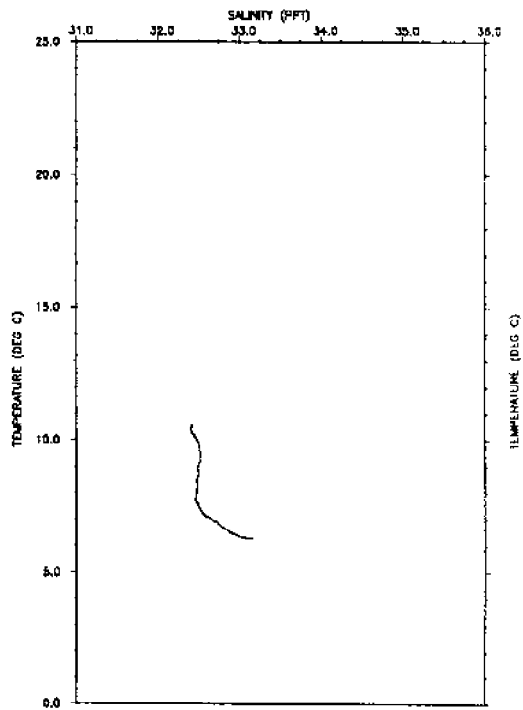
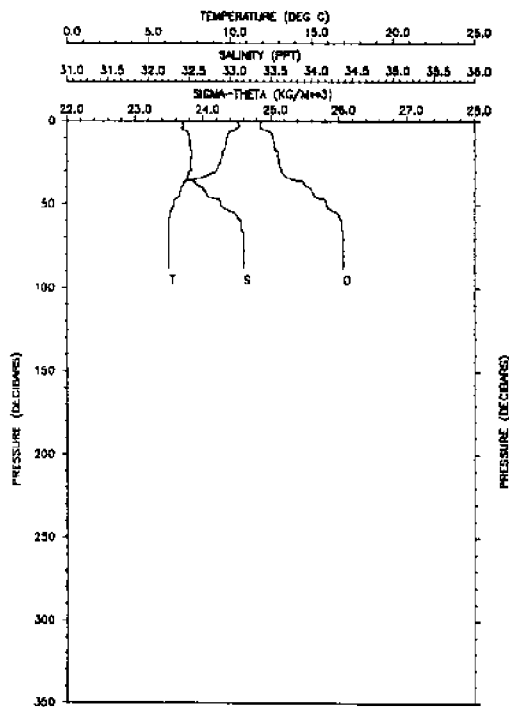
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/s+2	m/sec	cph	
0.0	13.42	31.72	13.42	23.77	412.3	0.000	1498	7.69	Cruise EN165
10.0	10.87	32.12	10.87	24.56	336.9	0.038	1490	8.84	Station 26
20.0	10.27	32.23	10.27	24.74	319.8	0.071	1488	5.35	30 JUL 1987
30.0	9.78	32.33	9.77	24.90	304.5	0.102	1486	7.60	1645 UTC
40.0	9.23	32.45	9.23	25.09	287.1	0.131	1485	3.97	42 49.5 N
50.0	9.05	32.48	9.04	25.14	282.2	0.159	1484	8.57	66 25.9 W
60.0	8.25	32.64	8.24	25.39	258.8	0.186	1481	-3.53	Depth 122 m
70.0	7.68	32.75	7.68	25.55	243.2	0.211	1480	-10.8	
80.0	7.42	32.78	7.41	25.61	237.6	0.235	1479	12.1	
90.0	6.92	32.92	6.91	25.79	220.6	0.258	1477	6.3	
100.0	6.80	32.98	6.79	25.85	214.9	0.280	1477	-1.8	
110.0	6.67	33.06	6.66	25.94	207.3	0.301	1477	4.2	
120.0	6.53	33.20	6.52	26.07	194.9	0.321	1477	6.8	
121.0	6.51	33.22	6.50	26.08	193.5	0.323	1477		



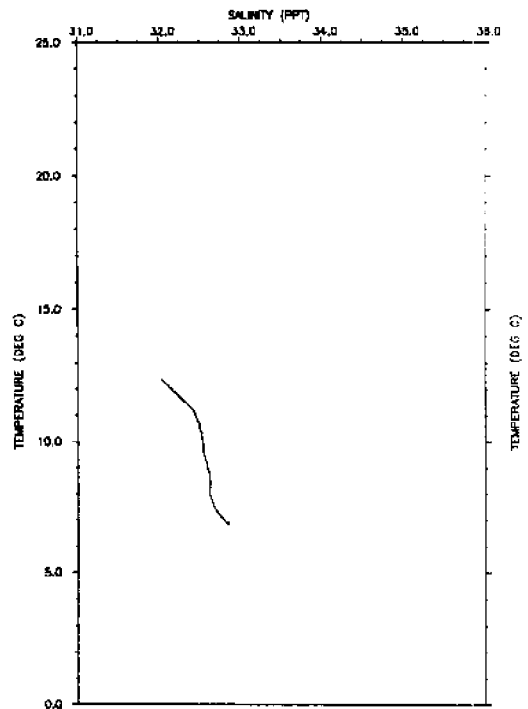
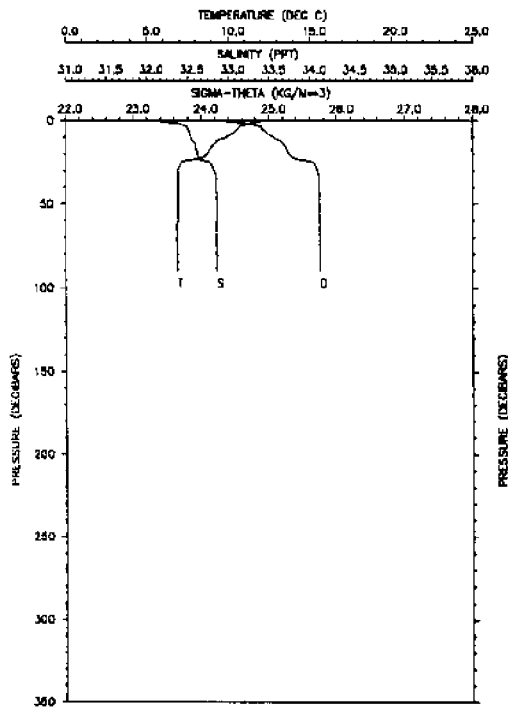
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	13.57	31.72	13.57	23.74	415.0	0.000	1498	13.02	Cruise EN165
10.0	11.07	31.89	11.07	24.34	357.8	0.039	1490	7.54	Station 27
20.0	10.29	32.01	10.29	24.57	336.2	0.074	1488	5.43	30 JUL 1987
30.0	9.23	32.09	9.22	24.80	314.0	0.106	1484	6.12	1730 UTC
40.0	8.08	32.16	8.08	25.03	292.3	0.136	1480	13.65	42 55.1 N
50.0	7.09	32.36	7.09	25.32	264.6	0.164	1477	11.41	86 21.0 W
60.0	6.12	32.55	6.12	25.60	238.4	0.189	1473	-0.63	Depth 142 m
70.0	5.71	32.80	5.70	25.85	214.5	0.211	1472	-1.3	
80.0	5.84	32.98	5.84	25.97	203.0	0.232	1473	3.9	
90.0	6.17	33.43	6.17	26.29	173.1	0.251	1475	11.5	
100.0	6.60	33.87	6.59	26.43	160.7	0.268	1477	5.5	
110.0	6.69	33.72	6.68	26.46	158.1	0.284	1478	3.0	
120.0	6.75	33.76	6.74	26.47	156.4	0.299	1478	-4.0	
130.0	6.79	33.79	6.78	26.49	155.0	0.315	1478	1.5	
135.0	6.82	33.80	6.81	26.50	154.4	0.323	1479		



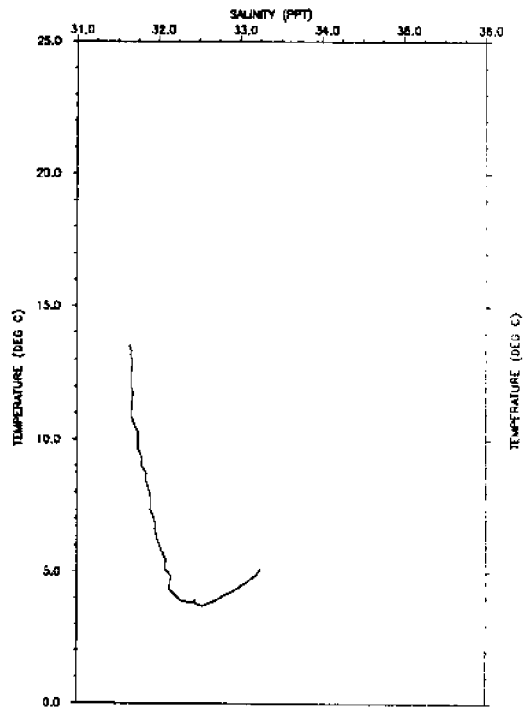
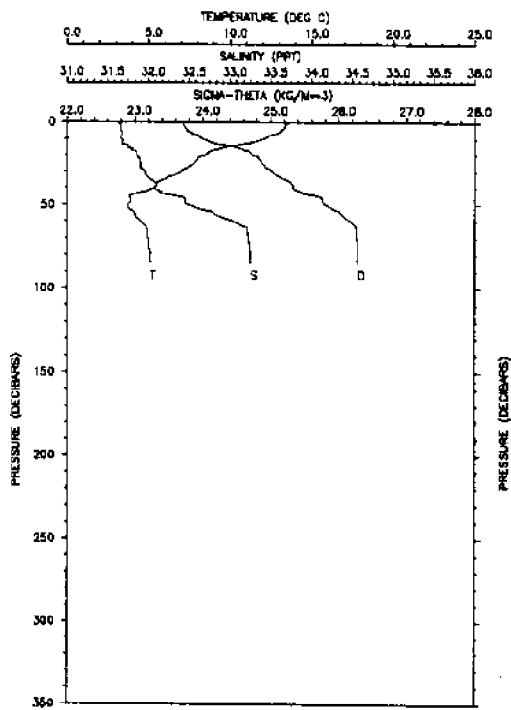
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	9.50	32.07	9.50	24.75	318.8	0.000	1484	-4.80	Cruise EN165
10.0	9.36	32.23	9.36	24.89	305.4	0.032	1484	6.26	Station 28
20.0	8.43	32.62	8.43	25.34	262.3	0.060	1481	10.01	30 JUL 1987
30.0	7.92	32.84	7.91	25.59	239.4	0.085	1480	1.83	1830 UTC
40.0	7.67	32.92	7.66	25.69	229.6	0.109	1479	5.67	43 2.0 N
50.0	7.51	32.97	7.50	25.75	223.8	0.131	1479	2.88	66 14.9 W
60.0	7.45	33.00	7.45	25.78	221.5	0.153	1479	4.05	Depth 100 m
70.0	7.18	33.04	7.18	25.85	214.7	0.175	1478	10.5	
80.0	6.94	33.15	6.93	25.97	203.4	0.198	1477	1.2	
90.0	6.93	33.16	6.92	25.98	203.2	0.216	1478	-1.3	
96.0	6.92	33.16	6.92	25.98	203.0	0.228	1478		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	10.42	32.40	10.42	24.86	308.6	0.000	1488	-2.29	Cruise EN165
10.0	9.82	32.51	9.81	25.04	291.6	0.030	1486	2.85	Station 29
20.0	9.52	32.53	9.51	25.10	285.4	0.059	1485	2.34	30 JUL 1987
30.0	9.20	32.52	9.20	25.14	281.7	0.087	1484	7.06	2000 UTC
40.0	6.99	32.67	6.99	25.58	239.8	0.114	1476	0.71	42 52.0 N
50.0	6.53	32.89	6.53	25.82	217.7	0.137	1475	3.21	66 0.9 W
60.0	6.28	33.14	6.27	26.05	195.8	0.157	1474	-2.79	Depth 107 m
70.0	6.29	33.16	6.29	26.07	194.3	0.177	1475	1.6	
80.0	6.29	33.16	6.28	26.07	194.5	0.196	1475	2.1	
88.0	6.30	33.17	6.29	26.07	194.1	0.212	1475		

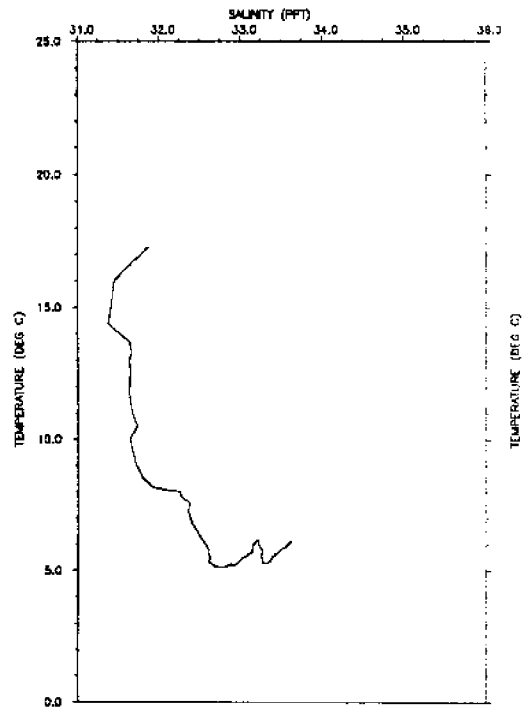
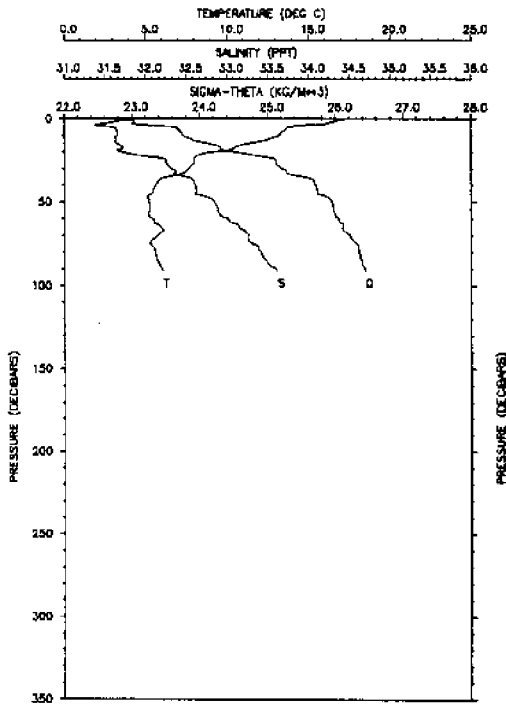


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	12.37	32.02	12.37	24.21	370.2	0.000	1495	27.26	Cruise EN165
10.0	9.85	32.55	9.84	25.06	289.0	0.031	1486	9.28	Station 30
20.0	8.73	32.62	8.72	25.30	266.9	0.059	1483	7.08	30 JUL 1987
30.0	8.90	32.83	8.90	25.72	226.4	0.083	1476	4.40	2122 UTC
40.0	6.94	32.86	6.94	25.74	225.1	0.105	1476	1.06	42 42.5 N
50.0	6.92	32.86	6.92	25.74	224.6	0.128	1477	-1.62	65 47.6 W
60.0	6.92	32.86	6.92	25.75	224.6	0.150	1477	-3.08	Depth 92 m
70.0	6.84	32.85	6.83	25.75	224.6	0.173	1476	-1.2	
80.0	6.85	32.85	6.85	25.75	224.6	0.195	1477	2.1	
90.0	6.86	32.85	6.86	25.75	224.9	0.218	1477		

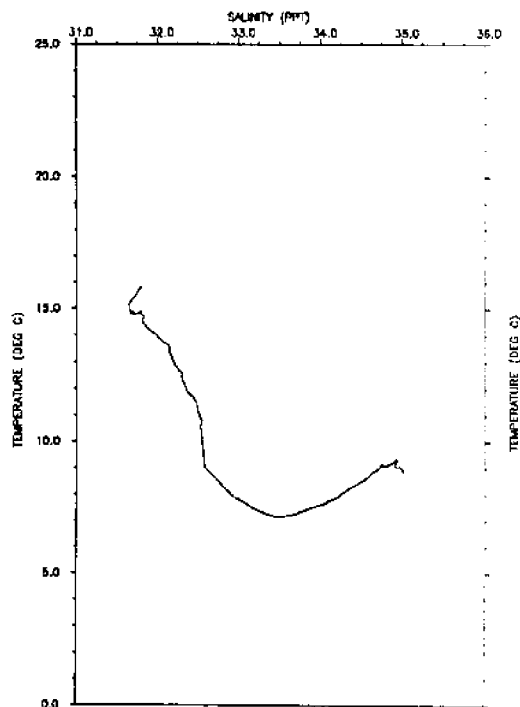
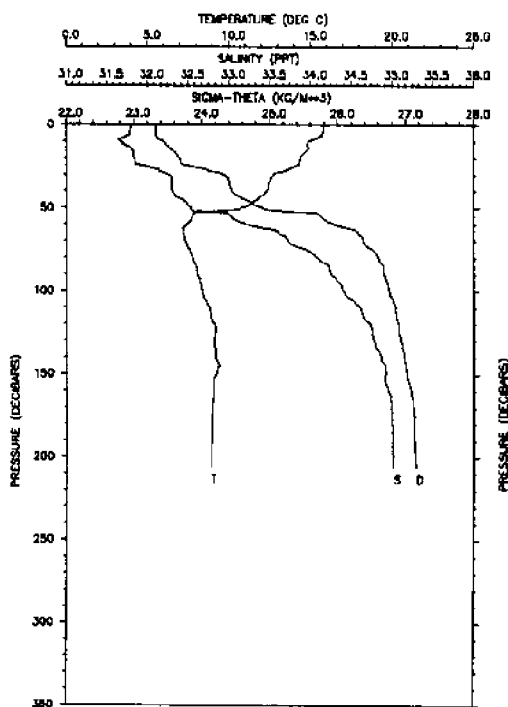


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	13.55	31.65	13.55	23.69	419.9	0.000	1498	7.45	Cruise EN165
10.0	12.01	31.67	12.01	24.00	389.9	0.041	1493	14.10	Station 31
20.0	8.45	31.88	8.44	24.74	319.7	0.076	1481	13.14	30 JUL 1987
30.0	6.95	31.98	6.95	25.03	292.3	0.106	1475	9.27	2237 UTC
40.0	5.37	32.09	5.37	25.32	264.2	0.134	1469	9.40	42 30.1 N
50.0	3.76	32.48	3.75	25.81	218.4	0.158	1463	13.30	65 46.0 W
60.0	4.54	33.04	4.53	26.17	183.8	0.177	1467	10.08	Depth 87 m
70.0	4.99	33.22	4.98	26.27	174.9	0.195	1470	2.2	
80.0	5.10	33.25	5.09	26.28	174.3	0.213	1470	-1.6	
85.0	5.10	33.25	5.10	26.28	174.1	0.221	1470		

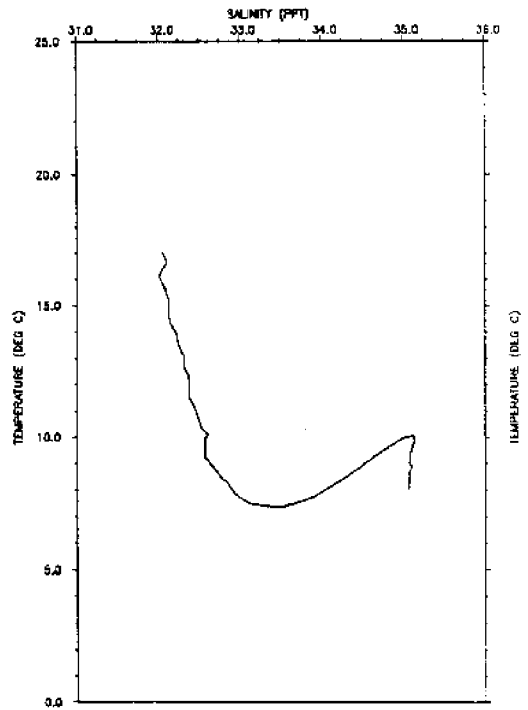
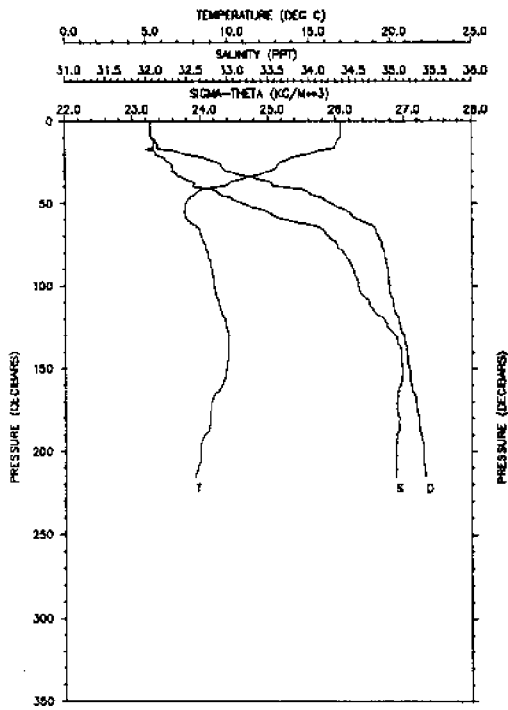




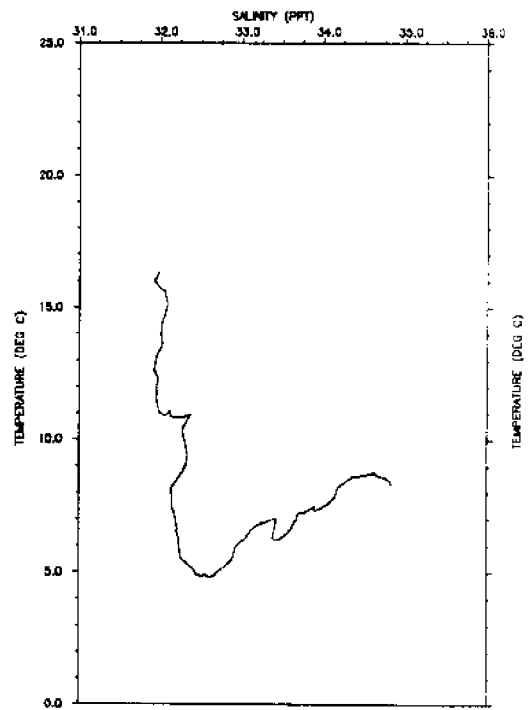
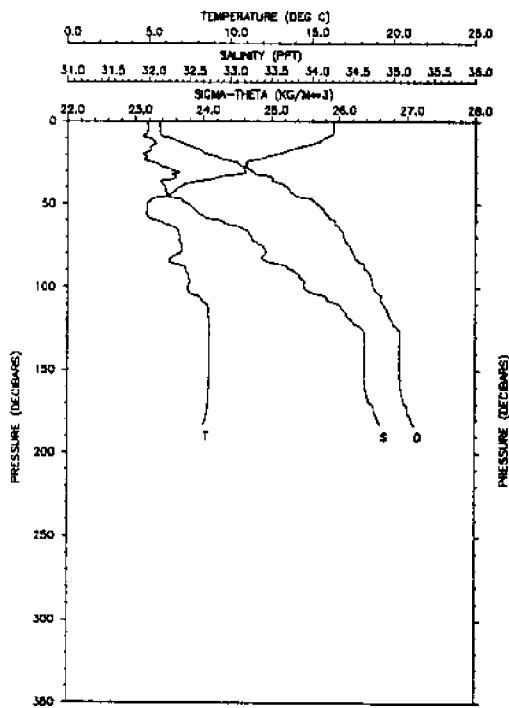
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	17.26	31.87	17.26	23.05	480.6	0.000	1510	-6.16	Cruise EN165
10.0	13.26	31.66	13.25	23.76	413.5	0.044	1497	9.38	Station 32
20.0	8.97	31.73	8.97	24.56	337.0	0.082	1482	19.41	30 JUL 1987
30.0	7.67	32.32	7.67	25.22	274.3	0.112	1478	12.84	2307 UTC
40.0	5.62	32.61	5.61	25.71	227.4	0.136	1471	6.57	42 28.1 N
50.0	5.24	32.66	5.23	25.95	205.0	0.158	1470	4.30	65 47.4 W
60.0	5.47	33.02	5.46	26.05	195.3	0.178	1471	-2.76	Depth 95 m
70.0	5.73	33.27	5.73	26.22	179.9	0.197	1473	6.4	
80.0	5.65	33.42	5.64	26.35	167.7	0.215	1473	5.9	
90.0	6.04	33.60	6.04	26.44	159.0	0.231	1475	4.2	
91.0	6.12	33.62	6.11	26.45	158.5	0.233	1475		



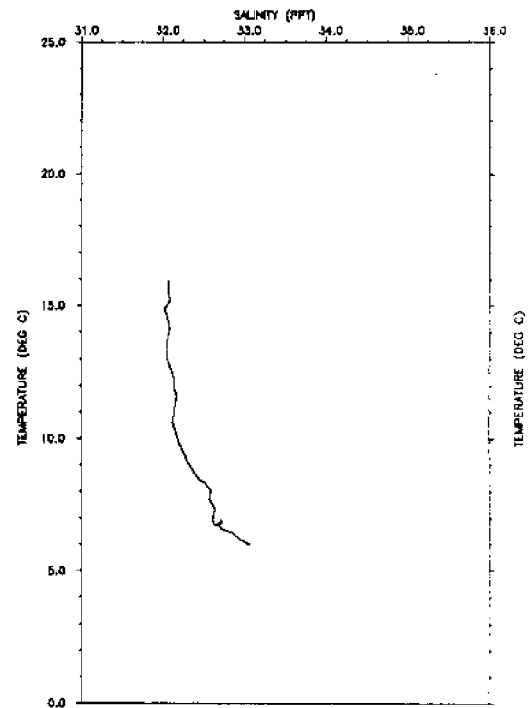
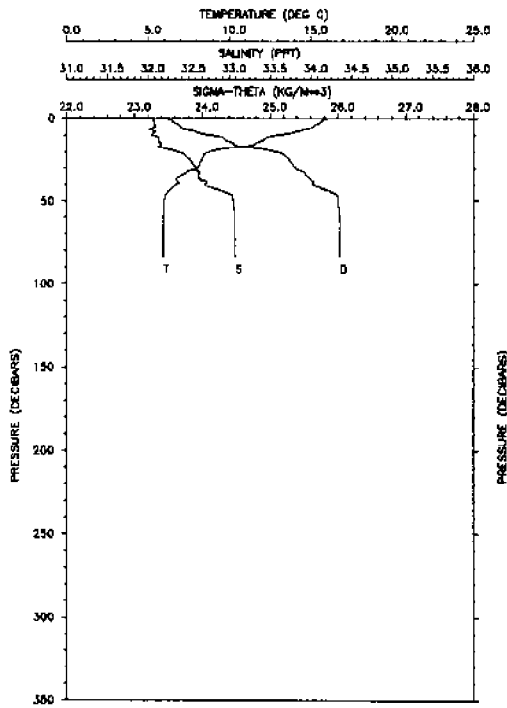
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	m³/kg	10m²/s²	m/sec	cph	
0.0	15.78	31.79	15.78	23.33	454.3	0.000	1505	2.68	Cruise EN165
10.0	14.83	31.67	14.83	23.44	443.5	0.045	1502	7.54	Station 33
20.0	14.39	31.84	14.38	23.67	422.2	0.089	1501	6.09	31 JUL 1987
30.0	12.70	32.26	12.70	24.33	359.5	0.129	1496	10.70	0152 UTC
40.0	12.31	32.30	12.30	24.44	349.2	0.164	1495	8.66	42 20.8 N
50.0	10.78	32.54	10.77	24.90	305.0	0.197	1490	7.21	65 53.6 W
60.0	7.41	33.22	7.41	25.98	204.5	0.221	1479	16.30	Depth 207 m
70.0	7.32	33.72	7.32	26.37	185.7	0.238	1479	6.2	
80.0	7.75	34.09	7.74	26.60	144.3	0.254	1482	5.4	
90.0	8.04	34.25	8.04	26.68	137.0	0.268	1483	7.2	
100.0	8.35	34.41	8.34	26.76	129.6	0.281	1485	4.1	
110.0	8.79	34.61	8.78	26.85	121.2	0.294	1487	-1.2	
120.0	9.08	34.74	9.07	26.90	116.6	0.306	1488	-3.8	
130.0	9.11	34.78	9.10	26.93	114.4	0.317	1488	4.8	
140.0	9.20	34.87	9.19	26.98	109.4	0.328	1489	-1.1	
150.0	9.23	34.92	9.21	27.02	106.0	0.339	1489	3.4	
160.0	9.06	34.96	9.05	27.08	101.0	0.349	1489	3.3	
170.0	8.99	34.99	8.97	27.12	97.5	0.359	1489	2.5	
180.0	8.94	35.00	8.92	27.13	96.4	0.369	1489	1.0	
190.0	8.93	35.00	8.91	27.13	96.1	0.379	1489	2.1	
200.0	8.90	35.01	8.88	27.14	95.3	0.388	1489	1.6	
206.0	8.88	35.02	8.86	27.15	94.6	0.394	1489		



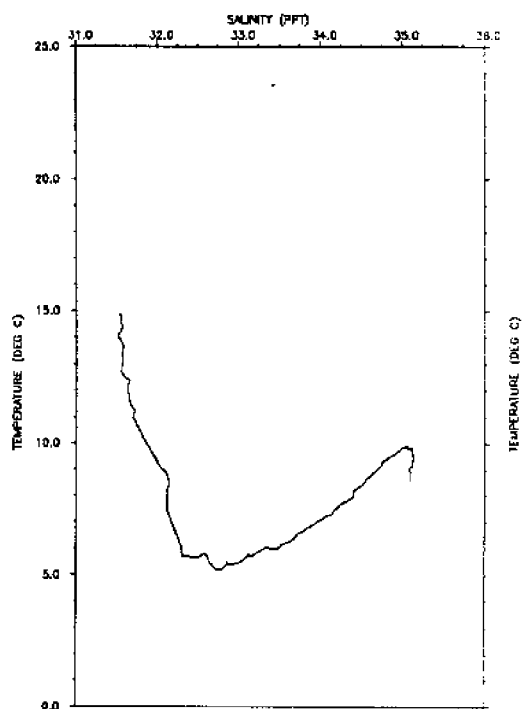
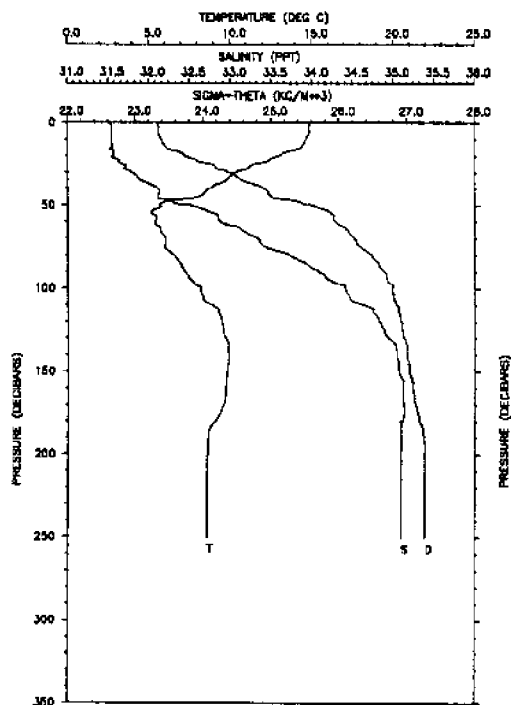
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	16.99	32.06	16.99	23.26	460.7	0.000	1509	1.28	Cruise EN165
10.0	16.90	32.07	16.90	23.29	458.1	0.046	1509	9.72	Station 34
20.0	14.95	32.12	14.95	23.76	413.1	0.090	1503	20.69	31 JUL 1987
30.0	12.66	32.31	12.66	24.30	354.8	0.128	1496	19.11	0330 UTC
40.0	9.26	32.58	9.25	25.10	278.2	0.159	1485	30.62	42 14.0 N
50.0	7.46	33.19	7.46	25.93	207.3	0.182	1479	11.75	66 0.0 W
60.0	7.55	33.73	7.55	26.35	167.8	0.201	1480	11.21	Depth 240 m
70.0	8.39	34.25	8.39	26.62	141.7	0.216	1484	3.9	
80.0	8.76	34.43	8.75	26.71	134.1	0.230	1486	4.6	
90.0	9.02	34.55	9.01	26.76	129.4	0.243	1487	-0.4	
100.0	9.20	34.61	9.19	26.78	127.7	0.256	1488	1.6	
110.0	9.47	34.74	9.45	26.84	122.3	0.268	1489	1.7	
120.0	9.85	34.93	9.84	26.92	114.7	0.280	1491	-2.7	
130.0	10.04	35.00	10.02	27.01	107.1	0.291	1492	3.3	
140.0	10.06	35.13	10.04	27.05	103.7	0.302	1493	2.0	
150.0	9.94	35.14	9.92	27.08	100.9	0.312	1492	4.0	
160.0	9.65	35.12	9.63	27.11	98.0	0.322	1491	-0.8	
170.0	9.02	35.08	9.01	27.18	91.7	0.331	1489	4.5	
180.0	8.93	35.11	8.91	27.22	87.7	0.340	1489	-2.6	
190.0	8.57	35.08	8.55	27.25	84.8	0.349	1488	5.0	
200.0	8.34	35.08	8.32	27.29	81.8	0.357	1487	-1.0	
210.0	8.14	35.07	8.12	27.31	79.5	0.366	1487	3.3	
215.0	8.02	35.07	8.00	27.33	78.1	0.370	1486		



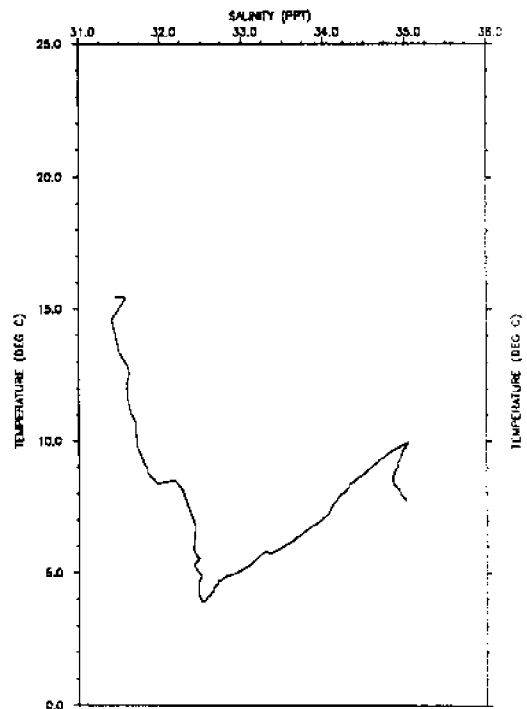
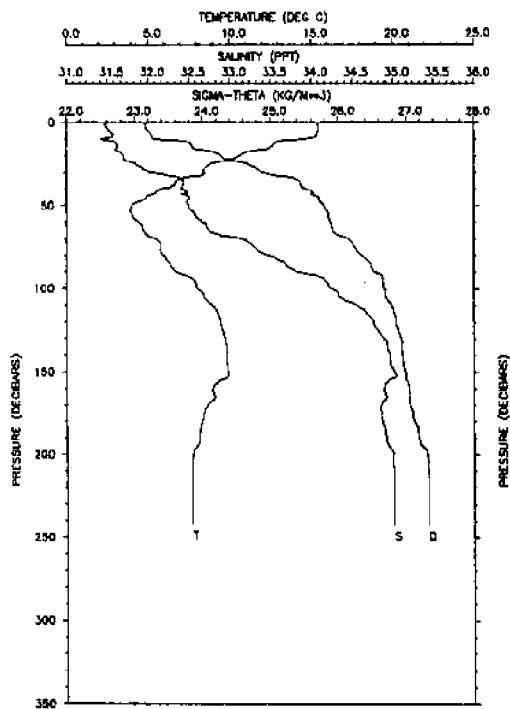
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	16.32	31.98	16.32	23.36	451.4	0.000	1507	1.32	Cruise EN165
10.0	15.68	32.01	15.68	23.52	435.7	0.045	1506	12.73	Station 35
20.0	12.63	31.92	12.63	24.08	382.7	0.086	1496	19.43	31 JUL 1987
30.0	10.87	32.31	10.87	24.71	323.2	0.121	1490	10.79	0445 UTC
40.0	6.80	32.20	6.80	25.24	272.2	0.150	1475	6.39	42 7.0 N
50.0	4.88	32.47	4.88	25.68	230.4	0.176	1468	11.26	66 3.7 W
60.0	5.46	32.88	5.46	25.94	205.6	0.198	1471	-7.52	Depth 182 m
70.0	6.87	33.25	6.86	26.06	194.8	0.218	1477	3.6	
80.0	6.79	33.42	6.78	26.20	181.8	0.237	1477	6.7	
90.0	7.23	33.76	7.22	26.41	161.8	0.254	1479	6.9	
100.0	7.34	33.90	7.33	26.51	153.4	0.269	1480	7.0	
110.0	8.51	34.31	8.50	26.65	139.7	0.284	1485	8.2	
120.0	8.66	34.49	8.65	26.77	128.6	0.297	1486	4.9	
130.0	8.73	34.65	8.72	26.89	118.0	0.310	1487	-2.4	
140.0	8.70	34.64	8.69	26.89	118.2	0.321	1487	1.9	
150.0	8.69	34.65	8.68	26.89	118.0	0.333	1487	2.6	
160.0	8.68	34.65	8.66	26.90	117.5	0.345	1487	3.2	
170.0	8.59	34.73	8.58	26.97	111.0	0.357	1487	7.9	
180.0	8.46	34.80	8.44	27.05	103.5	0.367	1487	4.6	
183.0	8.32	34.84	8.30	27.10	98.5	0.370	1486		



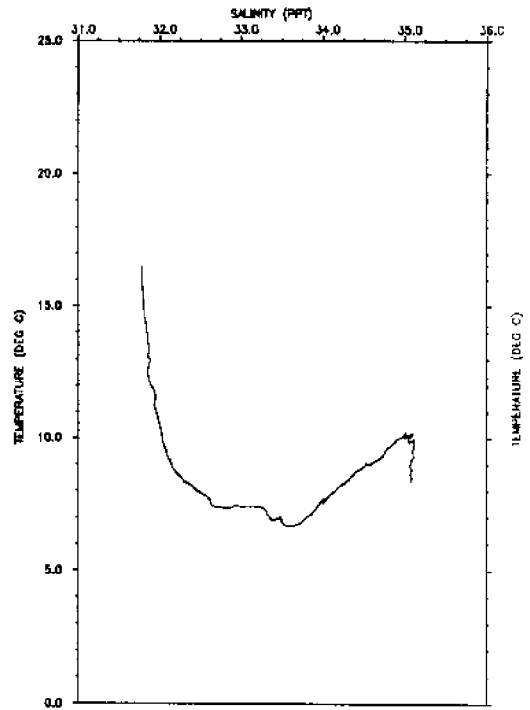
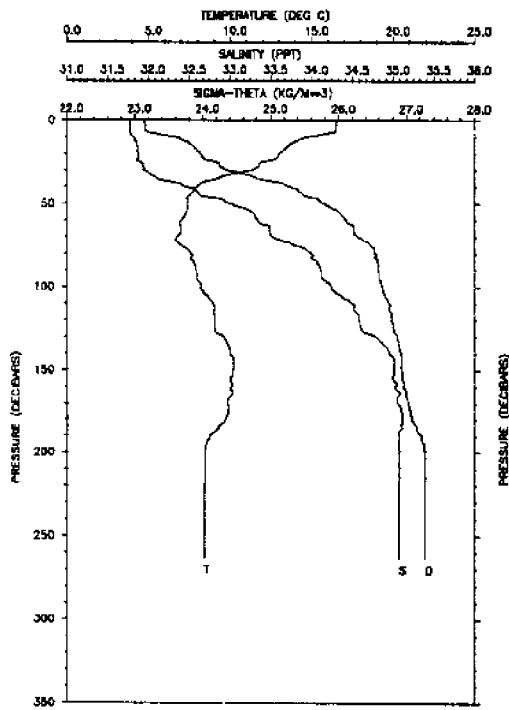
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	15.99	32.07	15.99	23.50	437.7	0.000	1506	11.02	Cruise EN165
10.0	12.94	32.06	12.93	24.13	378.2	0.042	1497	22.45	Station 36
20.0	8.73	32.38	8.73	25.11	284.6	0.075	1482	14.80	31 JUL 1987
30.0	8.04	32.60	8.04	25.38	259.0	0.102	1480	9.41	0600 UTC
40.0	6.73	32.69	6.72	25.64	234.5	0.127	1475	12.75	42 2.1 N
50.0	6.03	33.05	6.02	26.01	199.5	0.148	1473	0.64	66 10.8 W
60.0	5.99	33.07	5.98	26.03	197.7	0.168	1473	0.97	Depth 87 m
70.0	5.98	33.07	5.97	26.03	197.3	0.187	1473	1.7	
80.0	5.98	33.07	5.97	26.03	197.4	0.207	1474	0.6	
84.0	5.98	33.08	5.97	26.04	197.2	0.215	1474		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/st+2	m/sec	cph	
0.0	14.84	31.52	14.84	23.33	454.1	0.000	1502	5.48	Cruise EN165
10.0	14.66	31.55	14.66	23.39	448.9	0.045	1502	6.51	Station 37
20.0	12.96	31.56	12.96	23.74	415.3	0.089	1496	12.33	31 JUL 1987
30.0	10.39	31.80	10.38	24.39	353.5	0.127	1488	12.18	0915 UTC
40.0	8.74	32.12	8.74	24.91	304.3	0.160	1482	11.68	42 23.0 N
50.0	5.66	32.50	5.65	25.62	236.3	0.189	1471	13.07	66 7.8 W
60.0	5.41	32.88	5.41	25.95	205.4	0.210	1471	10.04	Depth 251 m
70.0	6.05	33.33	6.05	26.23	178.7	0.229	1474	7.9	
80.0	6.57	33.73	6.56	26.48	155.6	0.246	1477	7.4	
90.0	7.26	34.09	7.25	26.67	137.8	0.260	1480	10.0	
100.0	8.19	34.41	8.18	26.78	127.4	0.274	1484	2.7	
110.0	8.87	34.64	8.86	26.86	120.6	0.286	1487	8.9	
120.0	9.47	34.83	9.46	26.91	115.6	0.298	1490	5.8	
130.0	9.71	34.95	9.69	26.97	111.0	0.309	1491	5.5	
140.0	9.90	35.05	9.88	27.01	107.2	0.320	1492	1.0	
150.0	9.81	35.07	9.80	27.04	104.3	0.331	1492	3.7	
160.0	9.76	35.13	9.74	27.10	99.3	0.341	1492	0.9	
170.0	9.59	35.13	9.57	27.12	96.8	0.351	1491	8.2	
180.0	9.06	35.08	9.04	27.18	92.0	0.360	1489	9.3	
190.0	8.66	35.10	8.64	27.25	84.8	0.369	1488	2.1	
200.0	8.60	35.10	8.58	27.26	84.3	0.377	1488	2.0	
210.0	8.58	35.10	8.56	27.26	84.1	0.385	1488	0.7	
220.0	8.57	35.10	8.55	27.27	84.2	0.394	1488	-1.3	
230.0	8.57	35.10	8.55	27.27	84.4	0.402	1489	-0.8	
240.0	8.57	35.10	8.55	27.27	84.6	0.411	1489	0.4	
250.0	8.58	35.10	8.55	27.27	84.8	0.419	1489		

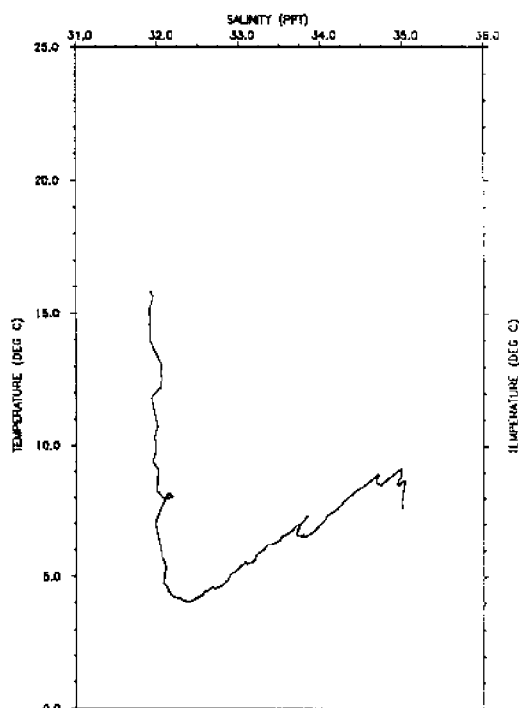
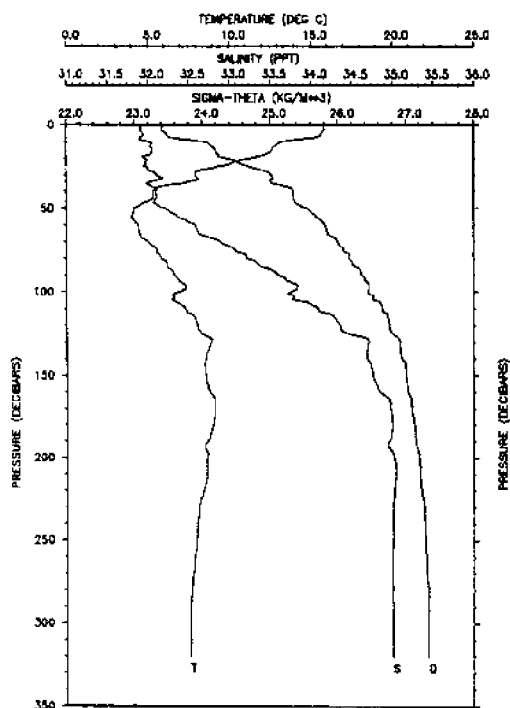


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10m <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	15.44	31.46	15.44	23.15	471.0	0.000	1504	4.27	Cruise EN165
10.0	14.60	31.42	14.60	23.30	457.2	0.047	1501	31.31	Station 38
20.0	10.65	31.70	10.65	24.27	364.8	0.086	1488	9.90	31 JUL 1987
30.0	8.42	32.04	8.42	24.89	306.1	0.120	1481	17.96	1045 UTC
40.0	5.90	32.41	5.89	25.52	245.9	0.146	1472	16.75	42 24.4 N
50.0	4.03	32.51	4.03	25.80	219.1	0.169	1464	3.55	66 20.0 W
60.0	4.44	32.66	4.43	25.89	211.1	0.191	1466	8.60	Depth 250 m
70.0	5.47	33.16	5.46	26.17	184.8	0.211	1471	8.6	
80.0	5.96	33.50	5.95	26.37	165.5	0.229	1474	9.3	
90.0	6.72	33.84	6.71	26.54	149.7	0.244	1478	15.4	
100.0	8.02	34.25	8.01	26.69	136.4	0.258	1483	6.8	
110.0	8.96	34.57	8.95	26.79	126.8	0.272	1487	3.7	
120.0	9.48	34.77	9.47	26.86	120.3	0.284	1490	1.5	
130.0	9.72	34.90	9.71	26.92	114.9	0.296	1491	6.2	
140.0	9.86	34.97	9.84	26.96	112.1	0.307	1492	-1.6	
150.0	9.94	35.04	9.92	27.00	108.7	0.318	1492	3.8	
160.0	9.00	34.90	8.98	27.04	104.0	0.329	1489	2.6	
170.0	8.69	34.86	8.67	27.06	102.7	0.339	1488	6.3	
180.0	8.34	34.88	8.33	27.13	96.0	0.349	1487	5.2	
190.0	8.19	34.93	8.17	27.19	90.1	0.358	1486	1.9	
200.0	7.77	35.01	7.75	27.32	78.4	0.367	1485	2.8	
210.0	7.72	35.02	7.70	27.33	77.3	0.374	1485	0.6	
220.0	7.72	35.02	7.70	27.34	77.2	0.382	1485	-0.5	
230.0	7.72	35.02	7.70	27.34	77.3	0.390	1485	-1.2	
240.0	7.73	35.02	7.70	27.34	77.4	0.398	1485	-0.8	
242.0	7.73	35.02	7.70	27.34	77.5	0.399	1485		

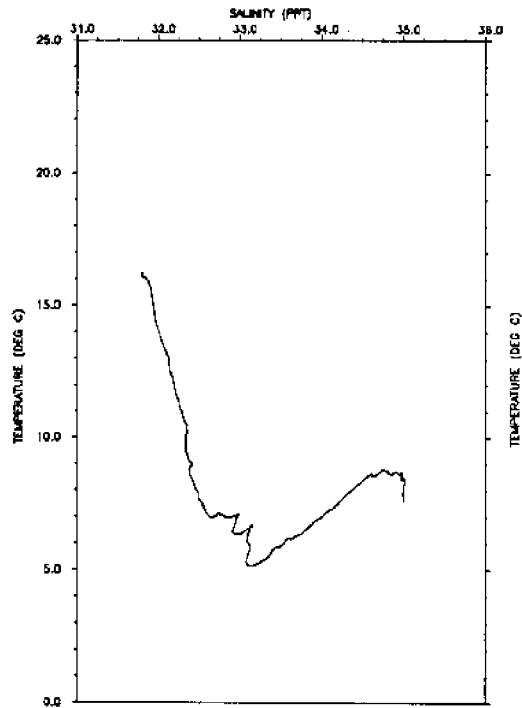
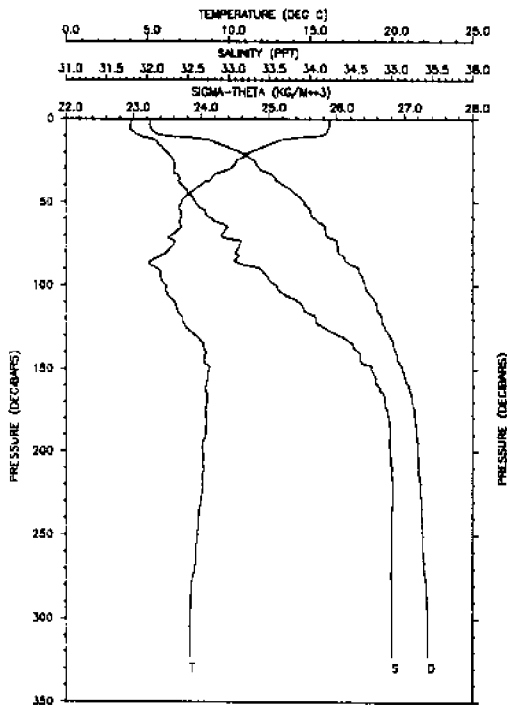


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	nt3/kg	10m+2/st2	m/sec	cph	
0.0	16.52	31.77	16.52	23.15	471.0	0.000	1508	1.12	Cruise EN165
10.0	14.64	31.81	14.64	23.59	429.2	0.046	1502	15.50	Station 39
20.0	13.00	31.89	13.00	23.98	392.2	0.087	1497	3.84	31 JUL 1987
30.0	11.26	31.94	11.26	24.35	357.8	0.125	1491	21.00	1222 UTC
40.0	8.03	32.45	8.03	25.27	270.2	0.158	1480	18.44	42 26.4 N
50.0	7.40	33.03	7.40	25.81	218.5	0.180	1479	5.82	66 33.8 W
60.0	7.03	33.35	7.02	26.12	189.3	0.200	1478	3.93	Depth 290 m
70.0	6.73	33.52	6.72	26.29	172.9	0.218	1477	12.9	
80.0	7.63	34.00	7.62	26.54	149.6	0.234	1481	7.4	
90.0	7.93	34.11	7.92	26.59	145.4	0.249	1483	3.9	
100.0	8.24	34.24	8.23	26.64	140.4	0.263	1484	4.1	
110.0	8.94	34.51	8.92	26.75	130.8	0.277	1487	4.1	
120.0	9.06	34.58	9.05	26.79	127.6	0.290	1488	4.2	
130.0	9.63	34.80	9.61	26.86	120.6	0.302	1490	-3.5	
140.0	10.03	34.96	10.02	26.92	115.8	0.314	1492	4.4	
150.0	10.18	35.01	10.16	26.93	114.8	0.326	1493	2.9	
160.0	10.10	35.03	10.08	26.96	112.3	0.337	1493	5.6	
170.0	9.86	35.06	9.84	27.03	105.8	0.348	1492	4.0	
180.0	9.75	35.11	9.73	27.09	100.8	0.358	1492	5.8	
190.0	8.79	35.08	8.77	27.22	87.9	0.368	1489	3.4	
200.0	8.48	35.08	8.46	27.27	83.7	0.376	1488	2.4	
210.0	8.45	35.08	8.43	27.27	83.4	0.384	1488	-0.9	
220.0	8.41	35.07	8.38	27.27	83.3	0.393	1488	1.2	
230.0	8.41	35.08	8.39	27.27	83.4	0.401	1488	-0.7	
240.0	8.41	35.08	8.38	27.27	83.6	0.409	1488	-1.9	
250.0	8.41	35.07	8.38	27.27	83.9	0.418	1488	1.7	
260.0	8.40	35.07	8.37	27.28	84.0	0.426	1488	-1.2	
263.0	8.40	35.07	8.37	27.28	84.0	0.429	1488		

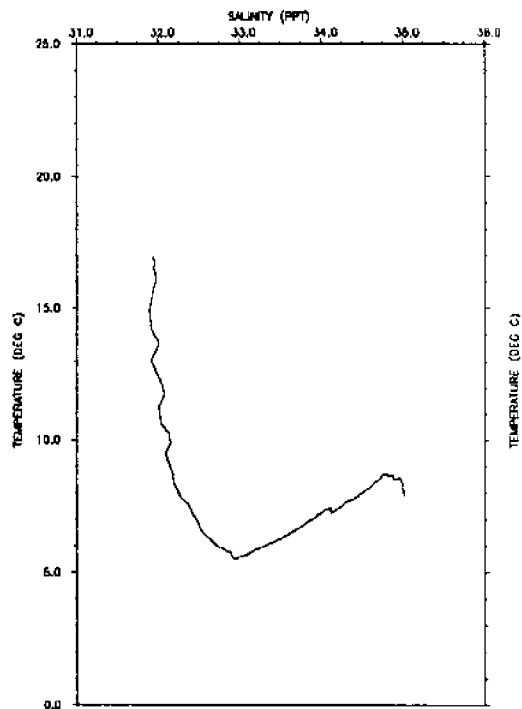
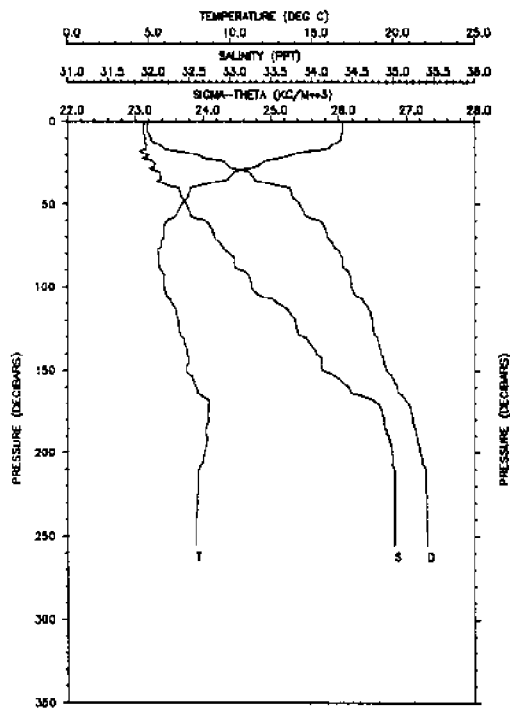




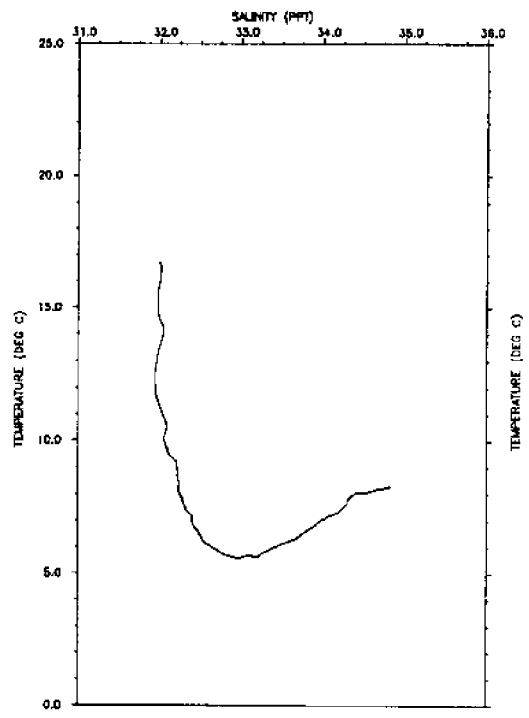
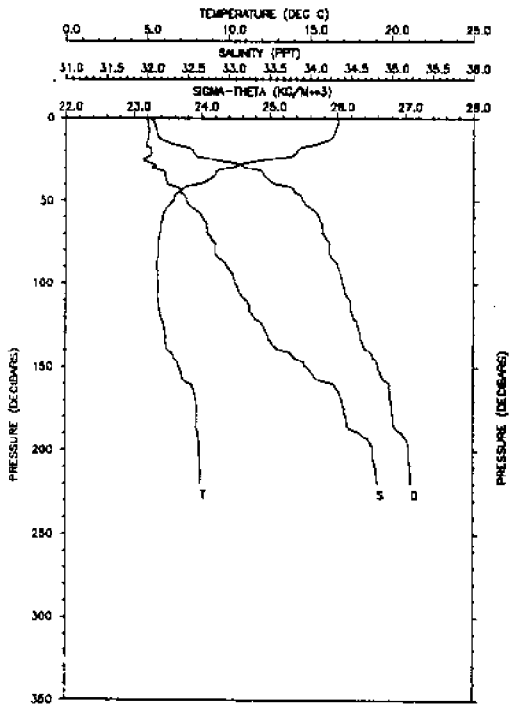
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	15.79	31.91	15.79	23.42	445.5	0.000	1506	3.09	Cruise EN165
10.0	13.16	32.04	13.16	24.07	383.9	0.044	1497	11.35	Station 40
20.0	11.23	31.97	11.23	24.38	354.2	0.081	1491	18.07	31 JUL 1987
30.0	7.94	32.11	7.94	25.01	293.9	0.113	1479	8.43	1452 UTC
40.0	5.36	32.11	5.36	25.34	262.5	0.141	1469	3.55	42 29.9 N
50.0	4.21	32.21	4.21	25.55	242.8	0.167	1465	10.87	66 60.0 W
60.0	4.46	32.58	4.45	25.82	217.5	0.190	1466	4.30	Depth 332 m
70.0	5.04	32.89	5.04	26.00	200.3	0.211	1469	4.4	
80.0	5.87	33.23	5.86	26.17	184.6	0.230	1473	12.1	
90.0	6.64	33.61	6.63	26.37	165.9	0.248	1477	10.2	
100.0	7.03	33.77	7.02	26.45	158.9	0.263	1479	7.4	
110.0	7.33	34.09	7.32	26.65	139.4	0.278	1481	3.3	
120.0	8.06	34.36	8.05	26.77	129.3	0.292	1484	0.7	
130.0	8.88	34.71	8.87	26.91	115.7	0.304	1488	1.8	
140.0	8.58	34.69	8.56	26.94	112.9	0.315	1487	6.9	
150.0	8.56	34.77	8.55	27.01	107.1	0.326	1487	2.3	
160.0	8.80	34.85	8.79	27.04	104.7	0.337	1488	6.0	
170.0	9.12	34.98	9.10	27.09	100.0	0.347	1489	2.3	
180.0	8.99	35.00	8.97	27.13	96.7	0.357	1489	2.3	
190.0	8.67	34.95	8.65	27.14	95.6	0.366	1488	6.0	
200.0	8.66	35.02	8.64	27.19	90.5	0.376	1488	5.2	
210.0	8.64	35.05	8.61	27.22	88.6	0.384	1488	1.3	
220.0	8.40	35.03	8.37	27.24	86.5	0.393	1488	3.1	
230.0	8.12	35.01	8.10	27.27	83.9	0.402	1487	2.4	
240.0	8.03	35.01	8.00	27.28	82.8	0.410	1487	1.0	
250.0	8.01	35.01	7.98	27.28	82.7	0.418	1487	-0.5	
260.0	7.85	35.01	7.83	27.31	80.8	0.427	1486	1.7	
270.0	7.78	35.00	7.76	27.31	80.1	0.435	1486	2.1	
280.0	7.67	35.01	7.64	27.33	78.5	0.443	1486	2.5	
290.0	7.63	35.01	7.60	27.34	78.0	0.450	1486	-0.7	
300.0	7.62	35.01	7.59	27.34	78.1	0.458	1486	-0.9	
310.0	7.62	35.01	7.59	27.34	78.2	0.466	1486	-0.5	
320.0	7.62	35.01	7.59	27.34	78.4	0.474	1486		



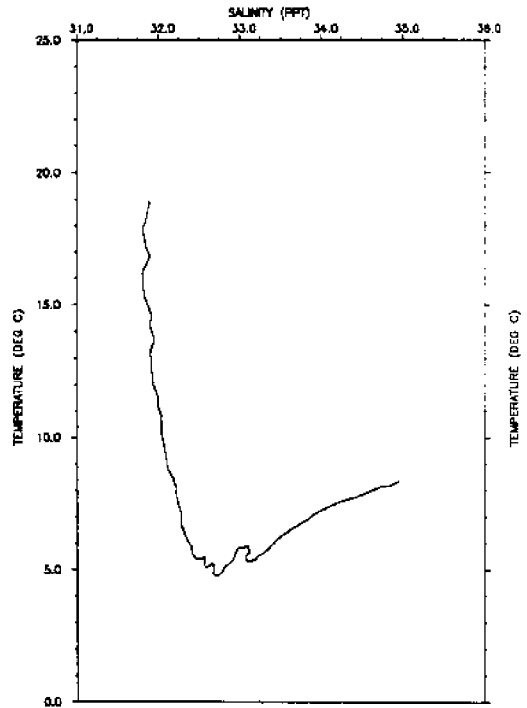
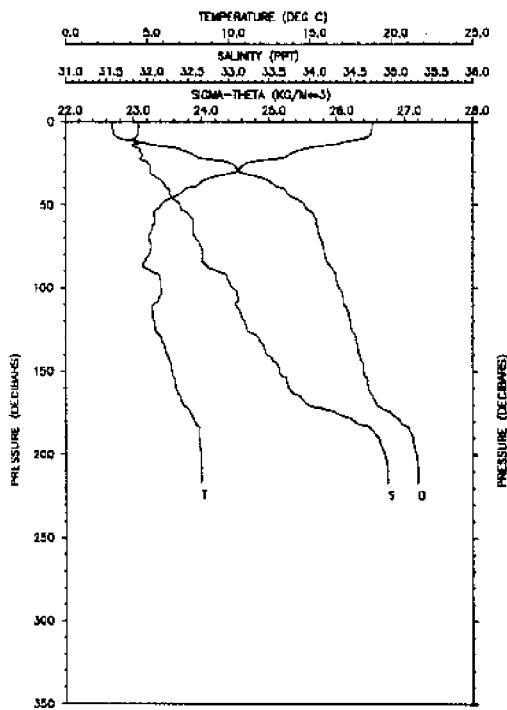
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	16.19	31.81	16.19	23.25	461.3	0.000	1507	-3.39	Cruise EN165
10.0	15.58	31.92	15.58	23.47	440.8	0.046	1505	30.93	Station 41
20.0	11.29	32.25	11.29	24.59	334.7	0.083	1491	12.79	31 JUL 1987
30.0	10.06	32.34	10.05	24.87	308.2	0.115	1487	10.93	1630 UTC
40.0	8.33	32.43	8.32	25.21	275.4	0.144	1481	13.31	42 31.4 N
50.0	7.12	32.60	7.11	25.51	246.8	0.169	1477	6.49	67 13.1 W
60.0	7.04	32.80	7.03	25.68	230.6	0.193	1477	8.44	Depth 325 m
70.0	6.42	32.91	6.42	25.85	215.0	0.215	1475	9.3	
80.0	6.22	33.10	6.21	26.03	198.3	0.236	1475	8.4	
90.0	5.68	33.39	5.67	26.32	170.1	0.254	1473	3.5	
100.0	6.19	33.59	6.18	26.42	161.4	0.271	1475	3.2	
110.0	6.73	33.89	6.72	26.58	146.2	0.286	1478	3.2	
120.0	7.21	34.07	7.20	26.66	138.9	0.301	1480	1.8	
130.0	8.03	34.37	8.01	26.78	128.2	0.314	1484	7.1	
140.0	8.65	34.61	8.64	26.87	119.7	0.326	1487	5.9	
150.0	8.83	34.76	8.81	26.96	111.6	0.338	1488	5.5	
160.0	8.63	34.84	8.61	27.05	102.9	0.349	1487	6.0	
170.0	8.71	34.93	8.69	27.11	97.7	0.359	1488	4.3	
180.0	8.68	34.97	8.64	27.15	94.0	0.368	1488	2.4	
190.0	8.59	34.98	8.57	27.18	92.1	0.377	1488	3.4	
200.0	8.44	34.99	8.42	27.20	90.0	0.387	1487	2.0	
210.0	8.50	35.01	8.48	27.21	89.0	0.396	1488	-3.5	
220.0	8.44	35.02	8.41	27.23	87.4	0.404	1488	0.9	
230.0	8.32	35.02	8.29	27.24	86.4	0.413	1487	3.6	
240.0	8.16	35.00	8.13	27.26	85.3	0.422	1487	1.1	
250.0	8.09	35.00	8.08	27.27	84.5	0.430	1487	1.7	
260.0	8.02	35.00	7.99	27.28	83.6	0.439	1487	1.0	
270.0	7.95	35.00	7.93	27.29	82.8	0.447	1487	1.4	
280.0	7.72	35.00	7.70	27.32	79.7	0.455	1486	1.5	
290.0	7.68	35.00	7.65	27.33	79.1	0.463	1486	0.8	
300.0	7.64	35.00	7.61	27.33	78.7	0.471	1486	-1.3	
310.0	7.62	35.00	7.59	27.34	78.6	0.479	1486	1.0	
320.0	7.61	35.00	7.58	27.34	78.7	0.487	1486	-0.3	
322.0	7.62	35.00	7.58	27.34	78.7	0.488	1486		



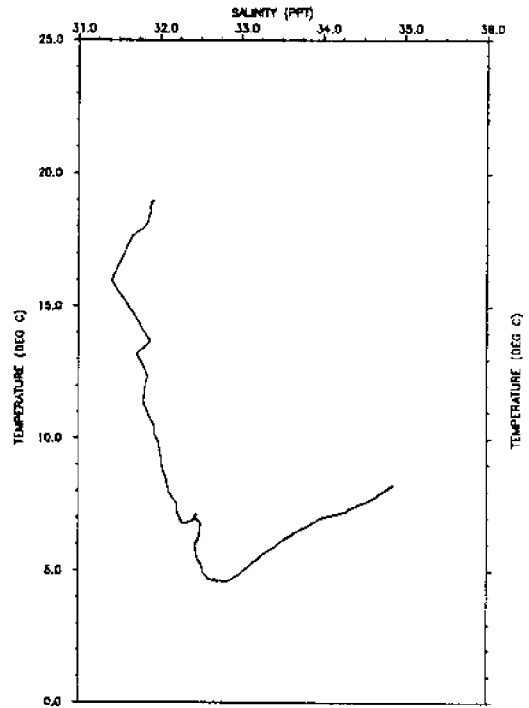
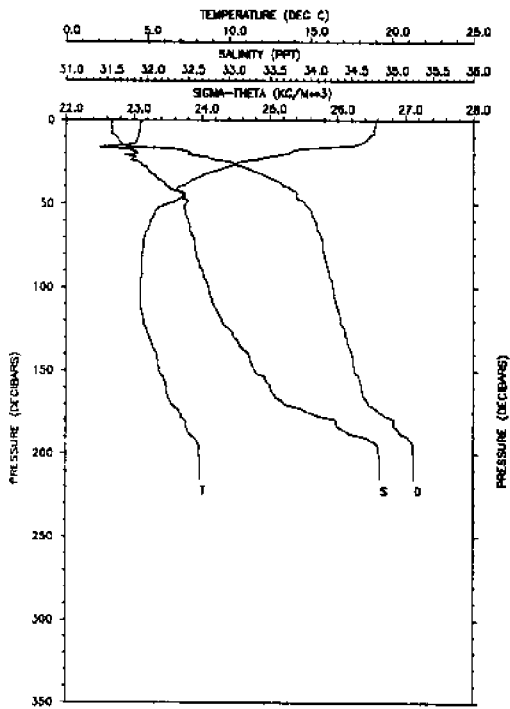
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	mt³/kg	10mt²/st²	m/sec	cph	
0.0	16.89	31.95	16.89	23.20	466.5	0.000	1509	-3.73	Cruise EN165
10.0	16.80	31.96	16.80	23.23	464.1	0.047	1509	2.53	Station 42
20.0	13.71	32.00	13.70	23.93	396.8	0.091	1499	10.82	31 JUL 1987
30.0	10.26	32.13	10.25	24.67	327.0	0.128	1488	8.06	1837 UTC
40.0	7.57	32.37	7.56	25.27	289.9	0.158	1478	5.12	42 20.1 N
50.0	7.03	32.46	7.02	25.42	255.8	0.185	1476	6.01	67 34.9 W
60.0	6.10	32.69	6.10	25.71	227.8	0.210	1473	11.84	Depth 266 m
70.0	5.90	32.80	5.89	25.83	216.8	0.232	1473	6.7	
80.0	5.59	32.99	5.58	26.02	199.0	0.252	1472	5.9	
90.0	5.73	33.13	5.72	26.11	190.4	0.272	1473	10.1	
100.0	5.94	33.26	5.93	26.19	183.3	0.290	1474	4.7	
110.0	6.43	33.59	6.42	26.39	164.4	0.308	1476	9.1	
120.0	6.82	33.79	6.81	26.50	154.5	0.324	1478	2.7	
130.0	7.04	33.91	7.02	26.56	149.0	0.339	1480	6.2	
140.0	7.37	34.06	7.36	26.62	142.7	0.354	1481	5.8	
150.0	7.28	34.13	7.27	26.70	135.8	0.367	1481	8.7	
160.0	7.88	34.46	7.86	26.87	120.3	0.380	1484	-2.2	
170.0	8.69	34.81	8.67	27.02	106.1	0.392	1488	7.4	
180.0	8.66	34.89	8.64	27.09	100.2	0.402	1488	3.2	
190.0	8.55	34.94	8.53	27.15	94.5	0.412	1488	3.2	
200.0	8.42	34.99	8.40	27.20	89.7	0.421	1487	4.7	
210.0	8.06	35.01	8.04	27.28	82.4	0.429	1486	3.2	
220.0	8.04	35.02	8.01	27.29	81.8	0.438	1486	1.6	
230.0	7.98	35.02	7.96	27.30	81.2	0.446	1486	1.3	
240.0	7.94	35.02	7.92	27.30	80.9	0.454	1486	1.8	
250.0	7.91	35.02	7.88	27.31	80.6	0.462	1486	-0.3	
255.0	7.90	35.02	7.87	27.31	80.5	0.466	1486		



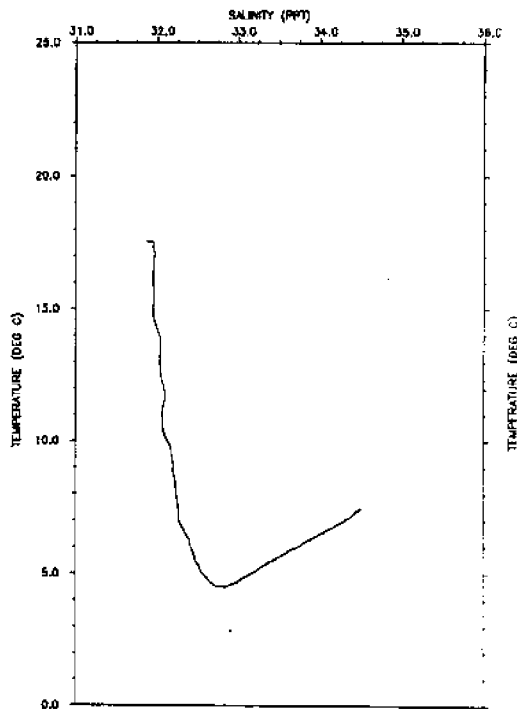
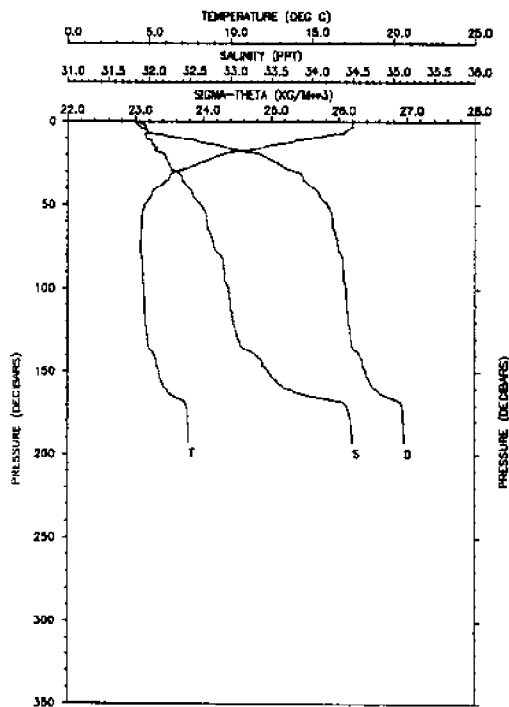
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	mt³/kg	10m²/s²	n/sec	cph	
0.0	16.72	31.99	16.72	23.27	460.0	0.000	1509	5.64	Cruise EN16S
10.0	16.44	32.02	16.44	23.36	451.7	0.046	1508	5.49	Station 43
20.0	14.18	32.05	14.18	23.88	402.5	0.089	1501	3.96	31 JUL 1987
30.0	10.07	32.05	10.06	24.64	329.6	0.126	1487	22.09	1952 UTC
40.0	8.15	32.24	8.14	25.08	287.5	0.156	1480	23.50	42 13.9 N
50.0	6.58	32.48	6.58	25.49	248.9	0.182	1475	9.25	67 44.9 W
60.0	5.95	32.68	5.94	25.72	226.5	0.206	1473	3.10	Depth 226 m
70.0	5.77	32.76	5.76	25.81	218.4	0.228	1472	5.4	
80.0	5.69	32.84	5.68	25.88	211.8	0.249	1472	1.6	
90.0	5.60	32.98	5.59	26.01	200.0	0.270	1472	7.1	
100.0	5.68	33.09	5.67	26.08	193.1	0.289	1473	4.1	
110.0	5.68	33.23	5.67	26.19	182.8	0.308	1473	3.5	
120.0	5.85	33.31	5.84	26.24	178.3	0.326	1474	3.6	
130.0	6.08	33.47	6.07	26.33	169.6	0.344	1475	4.0	
140.0	6.31	33.66	6.29	26.46	158.3	0.360	1477	10.7	
150.0	6.99	33.97	6.98	26.61	144.0	0.375	1480	-1.9	
160.0	7.65	34.31	7.63	26.78	128.2	0.389	1483	-7.4	
170.0	8.03	34.39	8.01	26.79	127.5	0.402	1485	3.7	
180.0	8.08	34.44	8.05	26.83	124.3	0.415	1485	2.7	
190.0	8.15	34.63	8.13	26.96	111.9	0.427	1486	6.5	
200.0	8.26	34.78	8.23	27.06	102.7	0.438	1486	0.8	
210.0	8.28	34.80	8.26	27.08	101.3	0.448	1487	3.1	
219.0	8.30	34.83	8.28	27.10	100.1	0.457	1487		



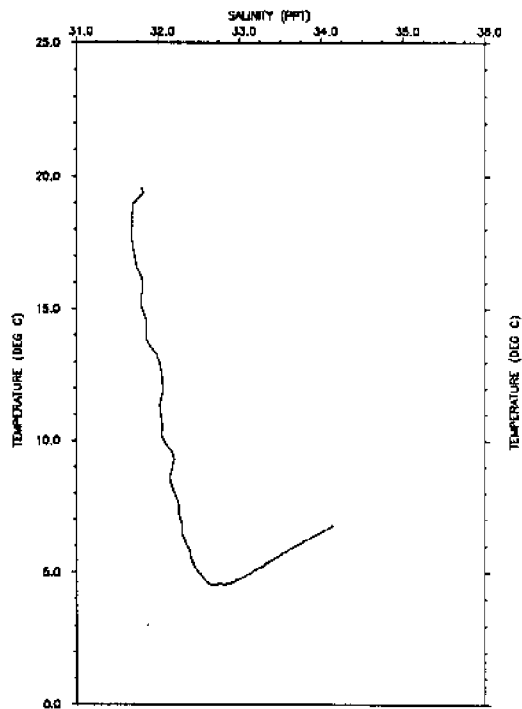
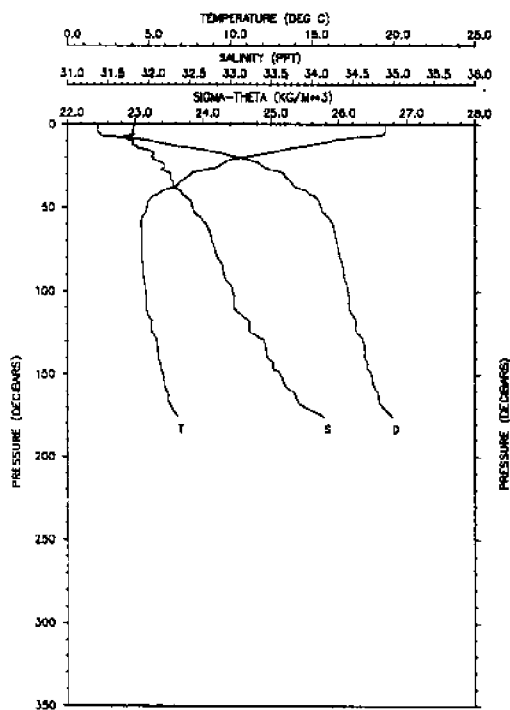
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10m <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	18.89	31.89	18.89	22.68	516.5	0.000	1515	3.59	Cruise EN165
10.0	18.34	31.86	18.34	22.79	505.8	0.051	1513	14.86	Station 44
20.0	13.74	31.95	13.73	23.88	401.7	0.098	1499	10.12	31 JUL 1987
30.0	10.48	32.04	10.47	24.56	336.9	0.132	1488	12.69	2100 UTC
40.0	7.41	32.26	7.41	25.21	275.8	0.162	1477	9.79	42 8.0 N
50.0	5.88	32.41	5.87	25.52	246.0	0.189	1472	5.56	67 55.7 W
60.0	5.49	32.58	5.49	25.70	228.7	0.212	1471	-4.85	Depth 224 m
70.0	5.10	32.60	5.09	25.76	223.1	0.235	1469	4.2	
80.0	5.09	32.68	5.09	25.83	217.0	0.257	1469	-1.2	
90.0	5.20	32.84	5.19	25.95	205.8	0.278	1470	10.7	
100.0	5.87	33.05	5.86	26.03	197.9	0.298	1473	7.6	
110.0	5.41	33.08	5.41	26.10	191.1	0.318	1472	9.7	
120.0	5.42	33.20	5.42	26.20	182.0	0.336	1472	-0.4	
130.0	5.89	33.37	5.88	26.28	174.5	0.354	1474	-1.0	
140.0	6.21	33.48	6.19	26.33	170.2	0.371	1476	6.8	
150.0	6.54	33.62	6.53	26.40	164.0	0.388	1478	2.7	
160.0	6.78	33.74	6.76	26.46	158.3	0.404	1479	5.0	
170.0	7.24	33.98	7.23	26.59	146.8	0.419	1481	8.4	
180.0	7.92	34.55	7.90	26.94	114.0	0.432	1485	6.6	
190.0	8.21	34.85	8.19	27.12	96.7	0.442	1486	3.0	
200.0	8.32	34.93	8.30	27.17	92.8	0.452	1487	3.6	
210.0	8.33	34.96	8.31	27.19	90.6	0.461	1487	1.0	
217.0	8.33	34.96	8.31	27.20	90.6	0.467	1487		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	mt³/kg	10mt²/st²	m/sec	cph	
0.0	18.98	31.93	18.98	22.68	516.1	0.000	1515	-3.66	Cruise EN165
10.0	18.59	31.89	18.59	22.75	509.8	0.052	1514	6.65	Station 45
20.0	13.65	31.88	13.65	23.85	404.7	0.099	1499	-11.91	31 JUL 1987
30.0	9.23	32.02	9.22	24.75	319.0	0.135	1484	12.78	2230 UTC
40.0	6.95	32.25	6.94	25.26	270.1	0.164	1476	11.44	42 2.1 N
50.0	6.28	32.48	6.28	25.53	244.8	0.190	1474	2.62	68 6.9 W
60.0	5.24	32.51	5.23	25.67	231.3	0.214	1469	4.96	Depth 223 m
70.0	4.82	32.57	4.82	25.77	222.3	0.236	1468	5.6	
80.0	4.71	32.60	4.71	25.81	218.7	0.258	1468	3.6	
90.0	4.70	32.68	4.70	25.87	213.2	0.280	1468	4.6	
100.0	4.61	32.76	4.61	25.94	206.3	0.301	1468	3.6	
110.0	4.60	32.81	4.59	25.99	202.0	0.321	1468	4.6	
120.0	4.77	32.92	4.76	26.05	196.0	0.341	1469	3.3	
130.0	5.12	33.07	5.11	26.13	188.4	0.360	1471	5.9	
140.0	5.57	33.24	5.55	26.22	180.8	0.379	1473	4.1	
150.0	5.74	33.32	5.73	26.26	177.3	0.397	1474	6.1	
160.0	6.16	33.51	6.14	26.36	168.0	0.414	1476	3.7	
170.0	6.50	33.69	6.48	26.45	159.2	0.430	1478	8.4	
180.0	7.32	34.31	7.31	26.84	123.3	0.445	1482	2.9	
190.0	7.83	34.67	7.81	27.04	104.2	0.456	1485	7.9	
200.0	8.21	34.85	8.19	27.12	96.9	0.466	1486	2.2	
210.0	8.24	34.86	8.22	27.13	96.3	0.476	1487	-0.4	
215.0	8.25	34.87	8.22	27.13	96.2	0.481	1487		

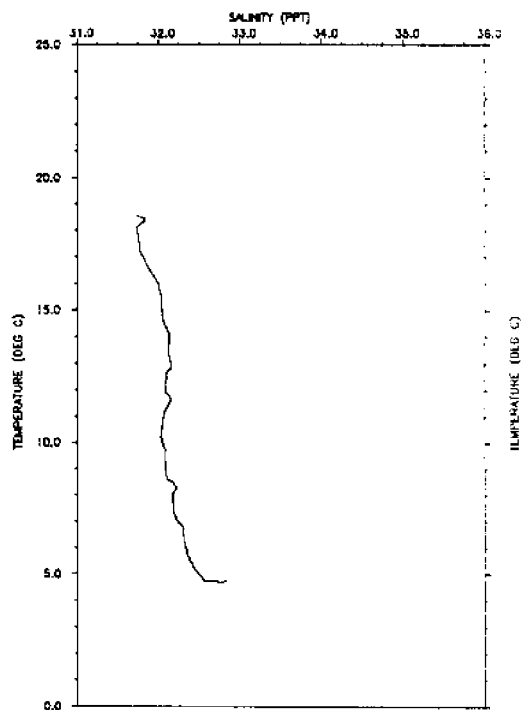
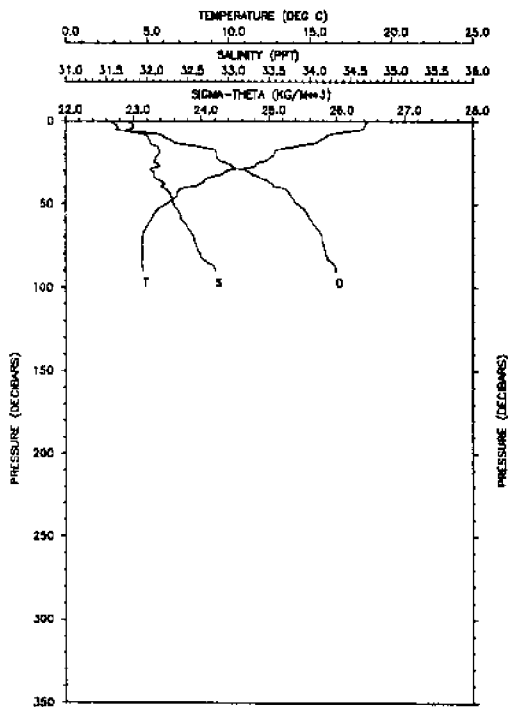


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	m³/kg	10m²/s²	m/sec	cph	
0.0	17.54	31.88	17.54	22.99	486.1	0.000	1511	8.78	Cruise EN165
10.0	14.73	31.96	14.73	23.69	420.2	0.047	1502	25.02	Station 46
20.0	9.33	32.20	9.33	24.87	307.2	0.083	1484	11.94	31 JUL 1987
30.0	6.58	32.35	6.58	25.38	258.5	0.111	1474	12.39	2345 UTC
40.0	5.44	32.49	5.44	25.64	234.7	0.136	1470	11.09	41 56.0 N
50.0	4.75	32.64	4.75	25.84	215.7	0.159	1468	5.64	68 17.0 W
60.0	4.58	32.71	4.57	25.91	208.9	0.180	1467	2.10	Depth 196 m
70.0	4.51	32.78	4.51	25.97	203.5	0.200	1467	4.2	
80.0	4.55	32.88	4.54	26.04	196.4	0.221	1467	5.7	
90.0	4.62	32.92	4.62	26.07	193.6	0.240	1468	2.8	
100.0	4.69	32.98	4.69	26.11	190.6	0.259	1469	1.7	
110.0	4.74	33.00	4.73	26.12	189.1	0.278	1469	-0.4	
120.0	4.79	33.03	4.78	26.14	187.7	0.297	1469	2.8	
130.0	4.90	33.09	4.89	26.18	184.3	0.316	1470	3.9	
140.0	5.33	33.32	5.31	26.31	171.8	0.334	1472	5.4	
150.0	5.59	33.47	5.57	26.39	164.1	0.350	1474	4.8	
160.0	5.95	33.68	5.94	26.52	152.6	0.366	1475	11.7	
170.0	7.29	34.43	7.28	26.93	114.4	0.380	1482	-1.8	
180.0	7.41	34.48	7.39	26.95	112.5	0.391	1483	3.5	
190.0	7.45	34.50	7.43	26.96	111.9	0.402	1483	3.0	
192.0	7.46	34.50	7.45	26.97	111.5	0.404	1483		

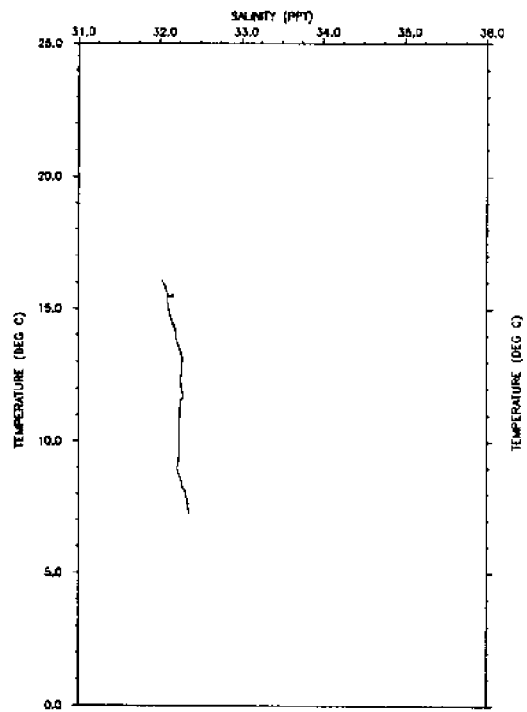
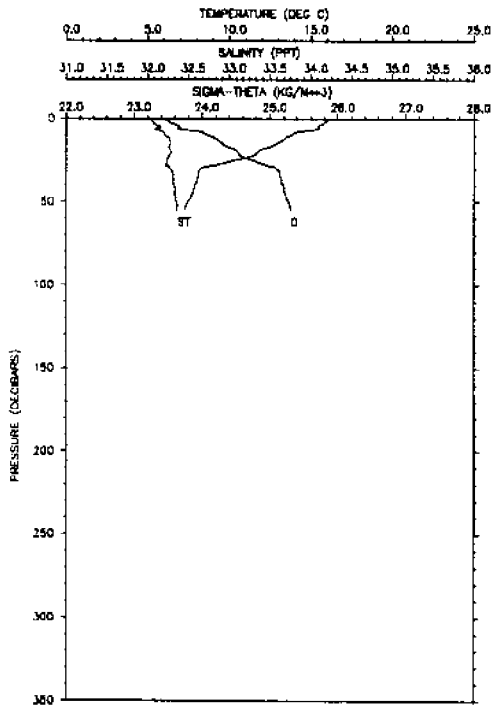


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	19.53	31.82	19.53	22.46	537.4	0.000	1517	-4.03	Cruise EN165
10.0	16.14	31.81	16.14	23.27	460.4	0.052	1507	15.38	Station 47
20.0	10.60	32.06	10.60	24.56	337.3	0.092	1489	14.72	1 AUG 1987
30.0	7.53	32.26	7.53	25.19	278.9	0.123	1478	6.90	0030 UTC
40.0	5.86	32.39	5.85	25.51	246.5	0.149	1472	8.68	41 51.0 N
50.0	4.89	32.54	4.88	25.74	225.1	0.172	1468	4.49	68 13.9 W
60.0	4.54	32.71	4.54	25.91	208.8	0.194	1467	4.38	Depth 186 m
70.0	4.58	32.77	4.57	25.96	204.4	0.215	1467	5.3	
80.0	4.58	32.85	4.57	26.01	199.0	0.235	1468	4.7	
90.0	4.66	32.92	4.66	26.07	194.1	0.255	1468	2.4	
100.0	4.81	33.02	4.80	26.13	188.2	0.274	1469	3.7	
110.0	4.86	33.06	4.85	26.15	186.4	0.292	1469	3.4	
120.0	5.18	33.23	5.17	26.25	177.0	0.310	1471	1.4	
130.0	5.51	33.41	5.50	26.36	167.2	0.328	1473	2.6	
140.0	5.59	33.45	5.58	26.38	165.1	0.344	1473	4.6	
150.0	5.87	33.61	5.86	26.47	156.7	0.361	1475	4.4	
160.0	6.10	33.75	6.08	26.56	149.0	0.376	1476	7.1	
170.0	6.40	33.93	6.39	26.65	140.1	0.390	1478	7.0	
176.0	6.79	34.15	6.77	26.78	128.2	0.399	1480		

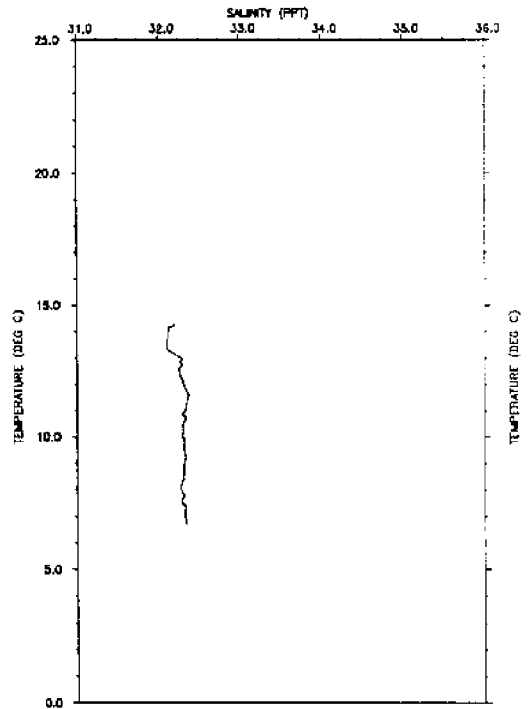
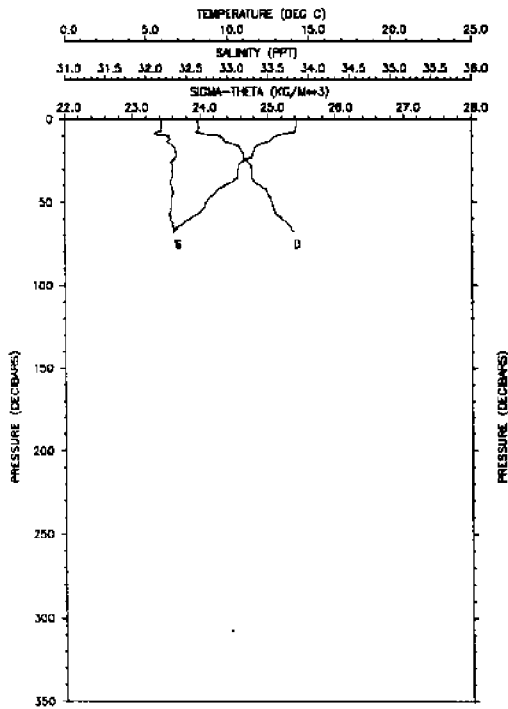




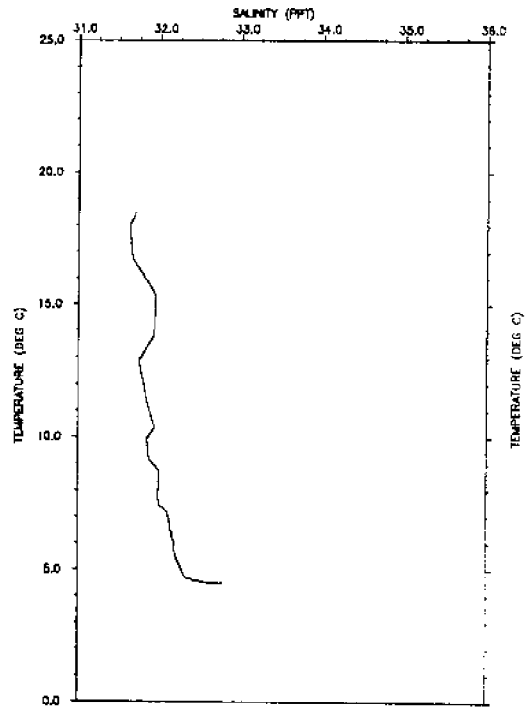
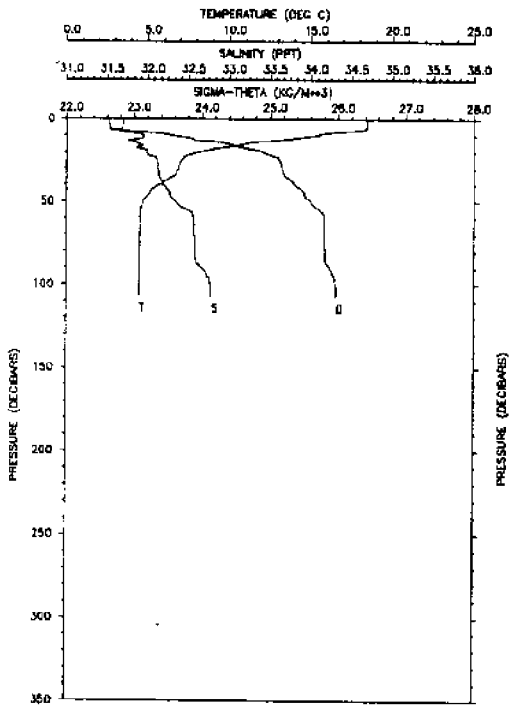
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	18.54	31.75	18.54	22.65	518.9	0.000	1514	12.10	Cruise EN165
10.0	15.87	32.01	15.87	23.48	439.8	0.049	1506	13.30	Station 48
20.0	12.79	32.15	12.79	24.22	369.3	0.089	1496	-4.16	1 AUG 1987
30.0	9.81	32.08	9.80	24.70	323.7	0.124	1486	8.44	0115 UTC
40.0	7.35	32.19	7.34	25.16	280.5	0.154	1477	16.13	41 48.7 N
50.0	6.17	32.33	6.16	25.42	255.1	0.181	1473	8.96	68 11.9 W
60.0	5.23	32.44	5.23	25.62	236.4	0.205	1469	8.90	Depth 96 m
70.0	4.74	32.58	4.73	25.79	220.7	0.228	1468	2.8	
80.0	4.76	32.66	4.75	25.85	215.0	0.250	1468	1.1	
90.0	4.77	32.84	4.76	25.99	201.8	0.271	1468		



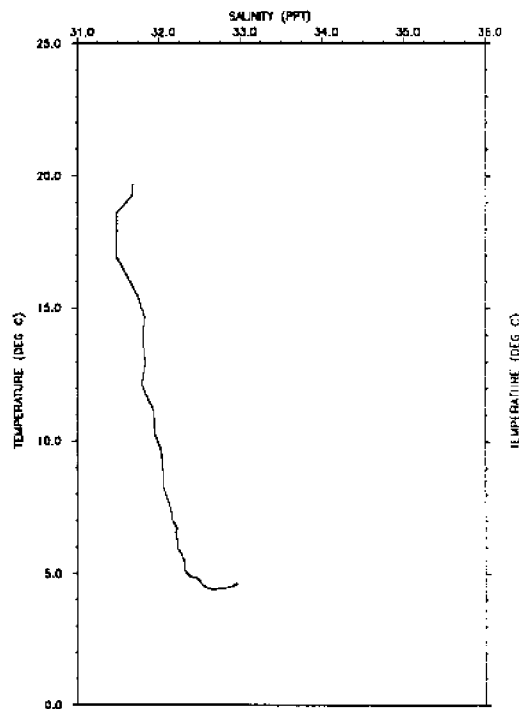
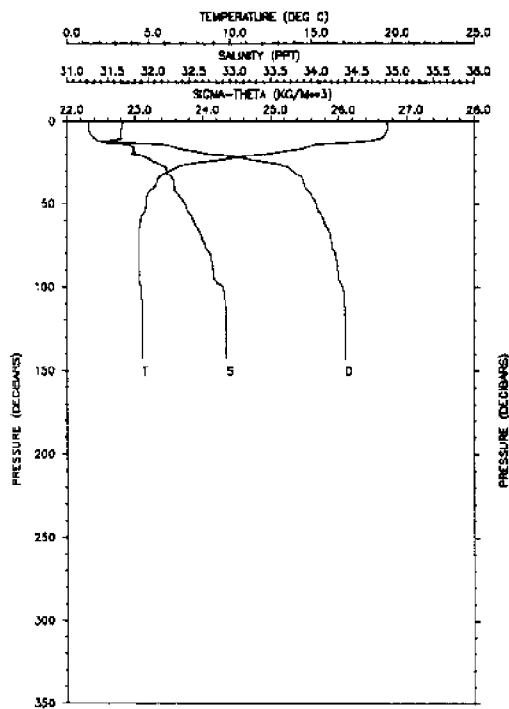
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	16.10	32.04	16.10	23.45	442.7	0.000	1507	9.50	Cruise EN165
10.0	13.70	32.22	13.70	24.10	380.9	0.042	1499	13.45	Station 49
20.0	11.76	32.29	11.75	24.53	340.2	0.078	1493	7.28	1 AUG 1987
30.0	8.28	32.27	8.28	25.09	286.3	0.110	1481	9.90	0145 UTC
40.0	7.88	32.33	7.87	25.19	276.9	0.138	1479	3.50	41 46.0 N
50.0	7.45	32.35	7.45	25.27	269.4	0.165	1478	4.65	68 10.0 W
55.0	7.28	32.36	7.28	25.31	266.4	0.178	1477		Depth 57 m



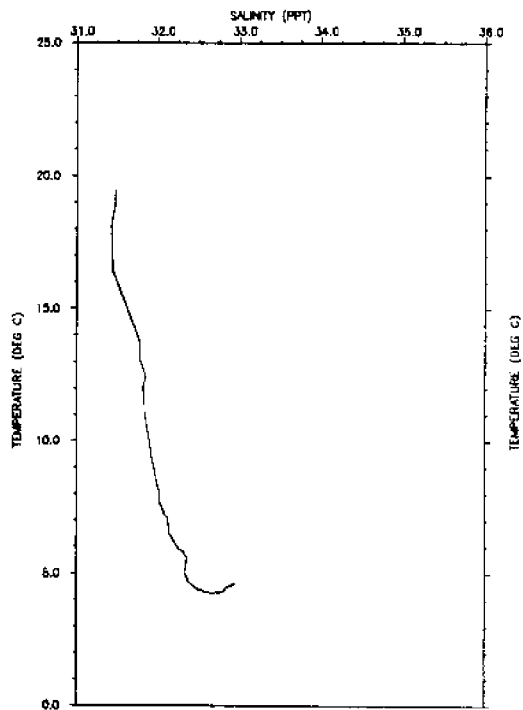
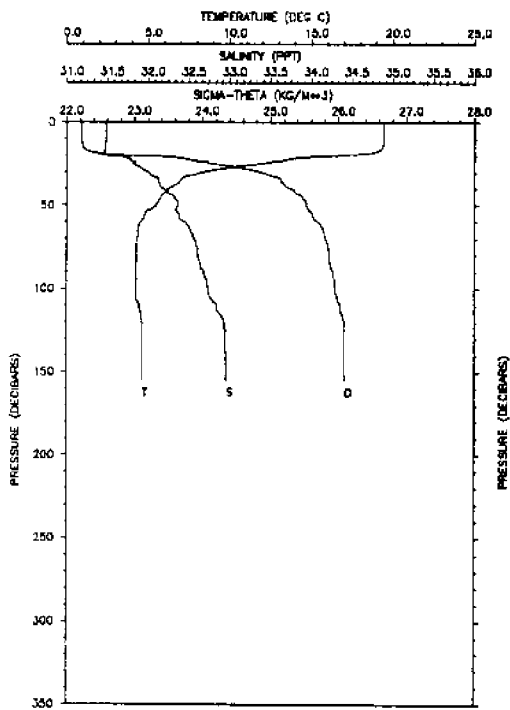
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	14.27	32.19	14.27	23.96	394.1	0.000	1501	2.83	Cruise EN165
10.0	12.97	32.30	12.97	24.31	360.9	0.039	1497	2.96	Station 50
20.0	11.56	32.37	11.56	24.63	330.6	0.074	1492	5.42	1 AUG 1987
30.0	10.66	32.33	10.65	24.76	318.7	0.106	1489	4.24	0345 UTC
40.0	9.82	32.32	9.82	24.89	306.1	0.138	1487	5.95	41 30.1 N
50.0	8.69	32.31	8.68	25.06	289.6	0.167	1483	3.24	68 26.0 W
60.0	7.70	32.30	7.69	25.19	277.2	0.196	1479	10.43	Depth 70 m
68.0	6.70	32.35	6.69	25.37	260.3	0.217	1475		



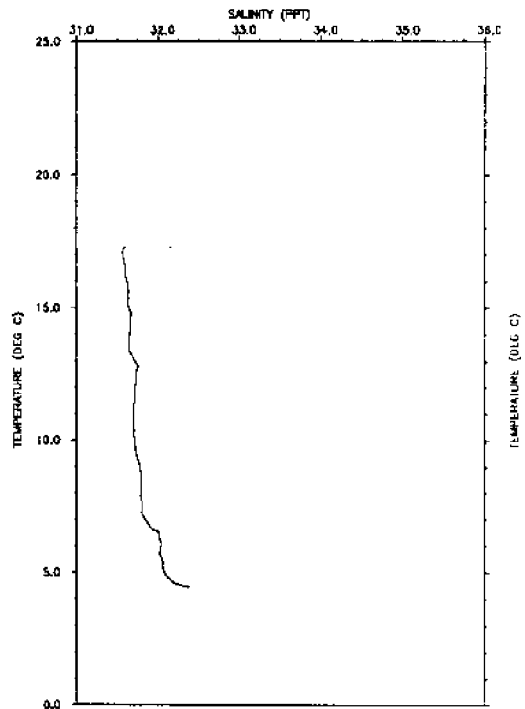
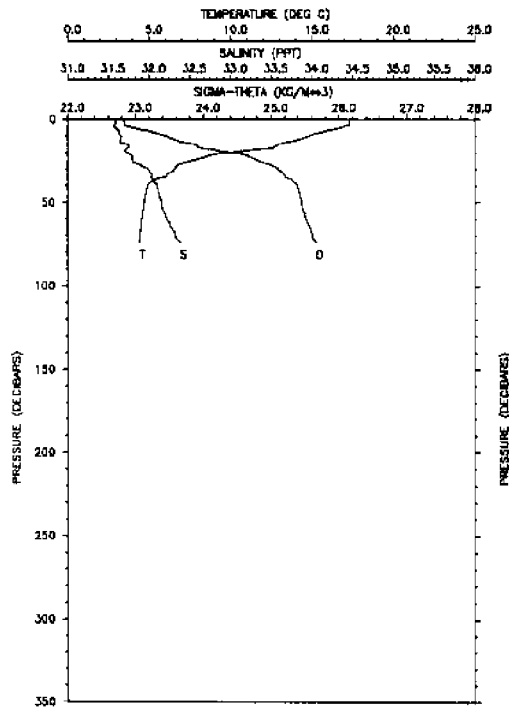
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	18.50	31.70	18.50	22.63	521.2	0.000	1513	2.00	Cruise EN165
10.0	15.35	31.95	15.35	23.54	433.8	0.050	1504	19.77	Station 51
20.0	8.13	31.99	8.13	24.90	305.0	0.087	1480	11.01	1 AUG 1987
30.0	6.87	32.12	6.86	25.17	279.1	0.115	1475	7.70	0445 UTC
40.0	5.72	32.18	5.72	25.38	260.8	0.143	1471	12.19	41 30.0 N
50.0	4.70	32.34	4.70	25.60	238.4	0.167	1467	7.44	68 37.9 W
60.0	4.53	32.56	4.53	25.79	220.0	0.190	1467	1.61	Depth 111 m
70.0	4.53	32.57	4.53	25.80	219.3	0.212	1467	2.3	
80.0	4.52	32.58	4.51	25.81	218.2	0.234	1467	2.1	
90.0	4.50	32.66	4.49	25.87	212.4	0.256	1467	7.0	
100.0	4.50	32.77	4.49	25.96	204.0	0.276	1467	2.9	
107.0	4.50	32.78	4.49	25.97	203.3	0.291	1468		



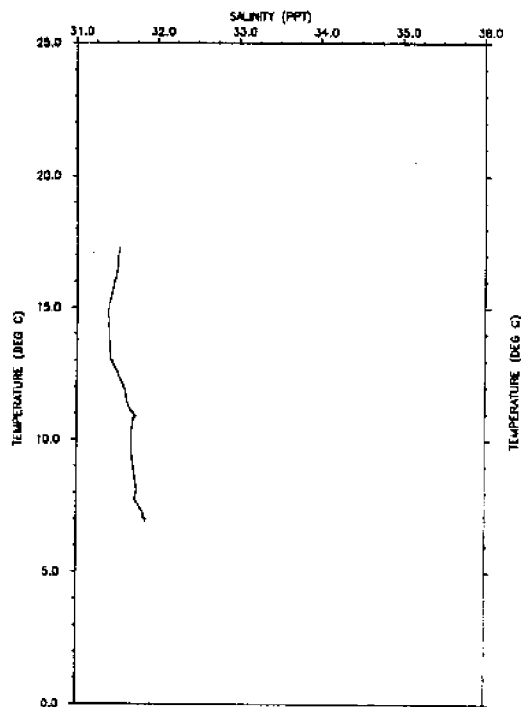
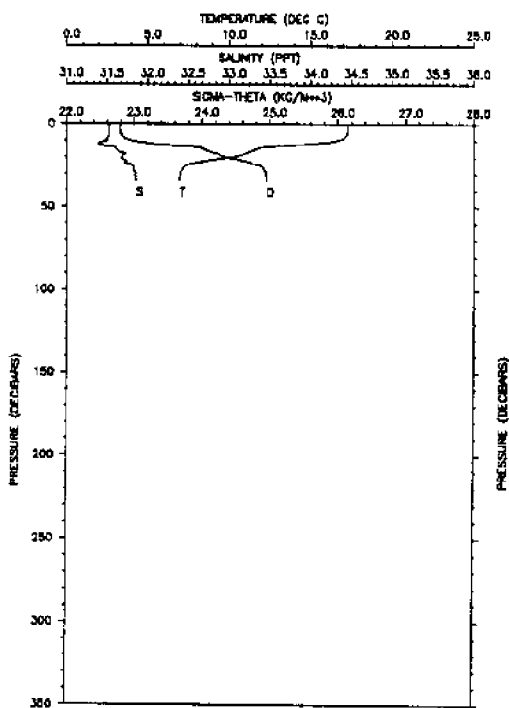
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/st+2	m/sec	cph	
0.0	19.67	31.68	19.67	22.32	550.7	0.000	1517	-0.91	Cruise EN165
10.0	19.38	31.67	19.37	22.39	544.3	0.055	1516	10.00	Station 52
20.0	12.11	31.79	12.10	24.08	383.0	0.101	1494	30.19	1 AUG 1987
30.0	6.31	32.23	6.31	25.33	264.2	0.131	1473	8.97	0607 UTC
40.0	5.35	32.32	5.35	25.51	246.7	0.157	1469	4.95	41 30.1 N
50.0	4.85	32.45	4.85	25.67	231.7	0.180	1468	5.11	68 52.5 W
60.0	4.52	32.55	4.51	25.79	220.5	0.203	1467	4.56	Depth 147 m
70.0	4.41	32.66	4.41	25.88	211.3	0.225	1466	3.8	
80.0	4.45	32.76	4.44	25.96	204.5	0.246	1467	3.9	
90.0	4.47	32.80	4.46	25.99	201.6	0.266	1467	2.8	
100.0	4.56	32.91	4.55	26.07	194.0	0.286	1468	3.1	
110.0	4.61	32.95	4.60	26.09	192.0	0.305	1468	2.6	
120.0	4.62	32.96	4.61	26.10	191.5	0.324	1469	1.9	
130.0	4.63	32.96	4.62	26.10	191.5	0.343	1469	2.1	
140.0	4.63	32.96	4.62	26.10	191.4	0.363	1469	-0.2	
143.0	4.63	32.96	4.62	26.10	191.4	0.368	1469		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	19.48	31.48	19.48	22.22	560.5	0.000	1516	-0.95	Cruise EN165
10.0	19.49	31.48	19.48	22.22	560.8	0.056	1516	0.84	Station 53
20.0	18.39	31.45	16.38	22.93	492.3	0.111	1507	43.83	1 AUG 1987
30.0	8.30	32.00	8.30	24.80	307.0	0.149	1480	13.82	0730 UTC
40.0	6.28	32.18	6.28	25.29	267.3	0.177	1473	12.91	41 29.9 N
50.0	5.52	32.36	5.52	25.53	245.1	0.203	1470	6.28	69 7.4 W
60.0	4.51	32.45	4.51	25.71	228.2	0.226	1466	9.20	Depth 156 m
70.0	4.33	32.56	4.33	25.81	217.9	0.249	1466	6.1	
80.0	4.29	32.61	4.28	25.86	213.8	0.270	1466	1.9	
90.0	4.25	32.68	4.25	25.92	208.0	0.291	1466	2.9	
100.0	4.28	32.73	4.28	25.96	204.7	0.312	1467	1.4	
110.0	4.45	32.84	4.44	26.02	198.5	0.332	1468	0.7	
120.0	4.62	32.94	4.61	26.08	192.8	0.352	1468	2.9	
130.0	4.64	32.95	4.63	26.09	192.2	0.371	1469	-1.2	
140.0	4.65	32.95	4.64	26.09	192.2	0.390	1469	1.4	
150.0	4.65	32.95	4.64	26.09	192.2	0.409	1469	-0.7	
155.0	4.65	32.95	4.64	26.09	192.2	0.419	1469		

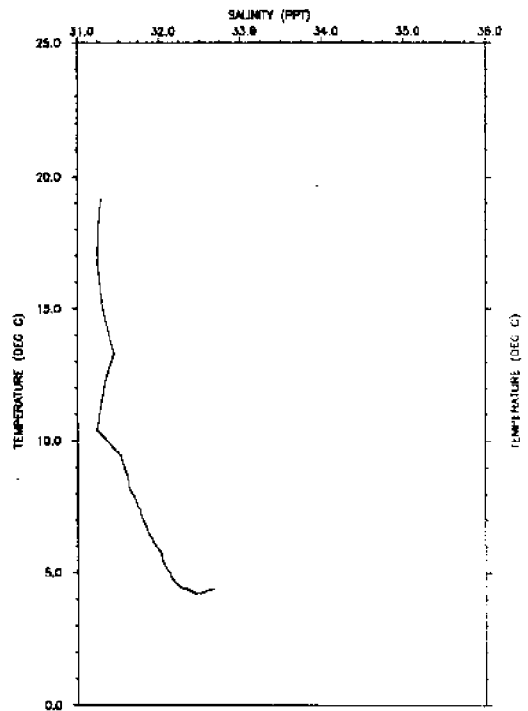
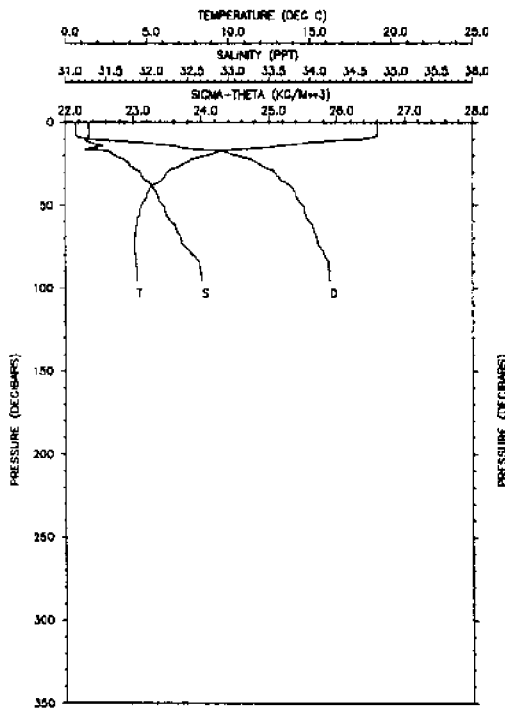


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/st+2	m/sec	cph	
0.0	17.28	31.61	17.28	22.85	499.9	0.000	1510	-4.23	Cruise EN165
10.0	14.79	31.67	14.78	23.48	442.3	0.048	1502	8.16	Station 54
20.0	9.66	31.73	9.66	24.45	347.3	0.089	1485	21.23	1 AUG 1987
30.0	6.57	32.00	6.57	25.11	284.6	0.120	1474	7.63	0852 UTC
40.0	4.90	32.11	4.90	25.39	257.8	0.147	1467	3.80	41 29.9 N
50.0	4.73	32.16	4.73	25.45	252.2	0.172	1467	2.55	69 19.9 W
60.0	4.59	32.23	4.59	25.52	245.7	0.197	1466	6.00	Depth 83 m
70.0	4.49	32.32	4.48	25.61	237.3	0.221	1466	3.4	
74.0	4.44	32.38	4.44	25.66	232.4	0.231	1466		

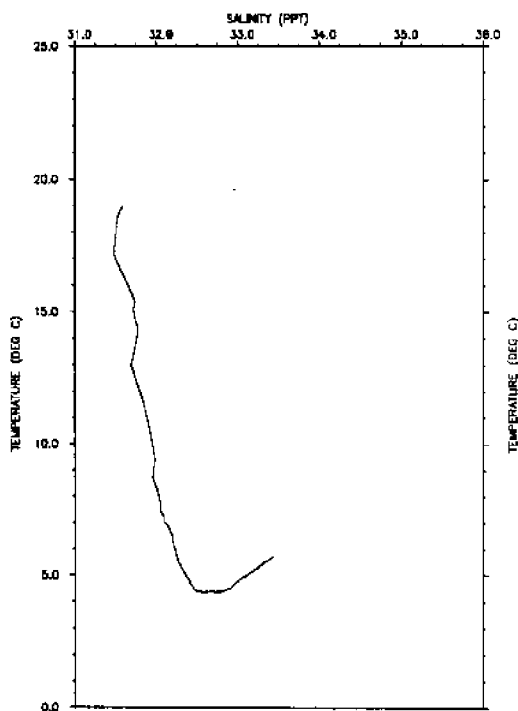
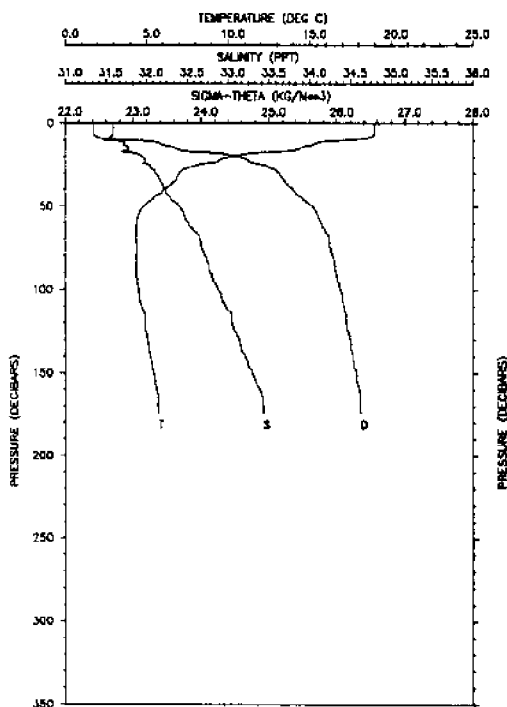


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/s+2	m/sec	cph	
0.0	17.28	31.53	17.28	22.79	505.8	0.000	1510	1.16	Cruise EN165
10.0	18.60	31.50	18.60	22.92	493.0	0.050	1508	16.40	Station 55
20.0	18.14	31.68	18.14	24.34	358.3	0.081	1487	17.75	1 AUG 1987
30.0	7.04	31.85	7.04	24.94	301.2	0.123	1475	-3.91	1000 UTC
34.0	6.94	31.85	6.94	24.95	300.1	0.135	1475		41 30.1 N
									69 33.0 W
									Depth 35 m

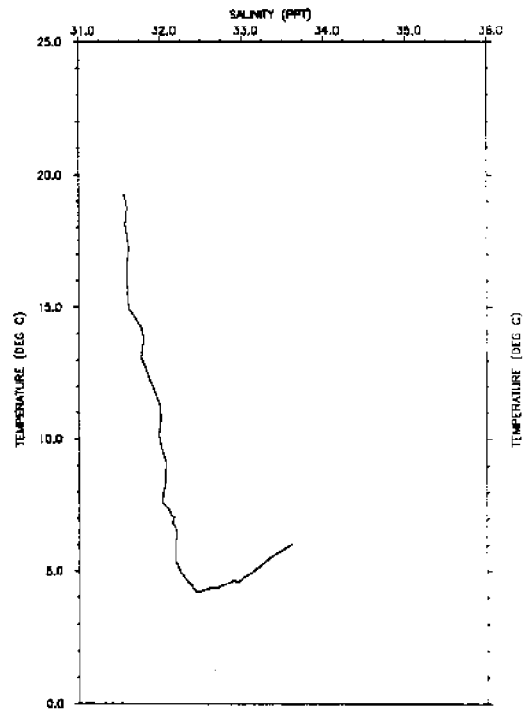
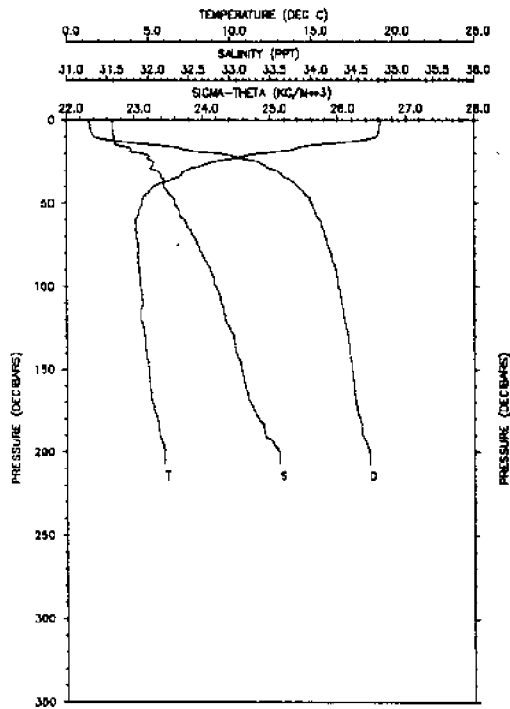




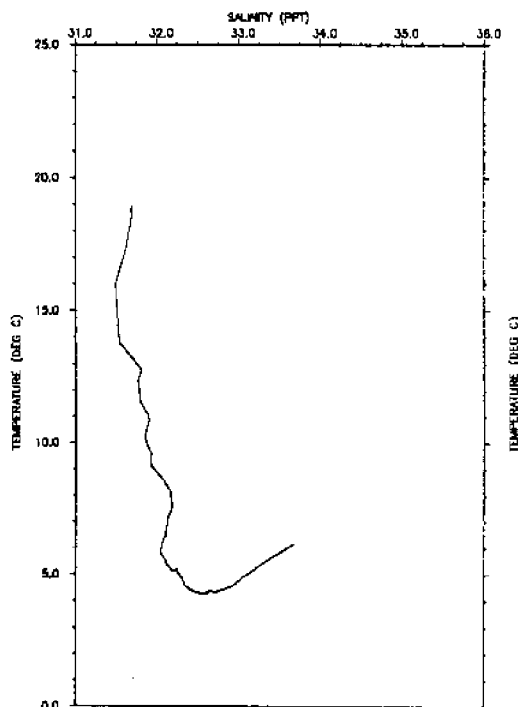
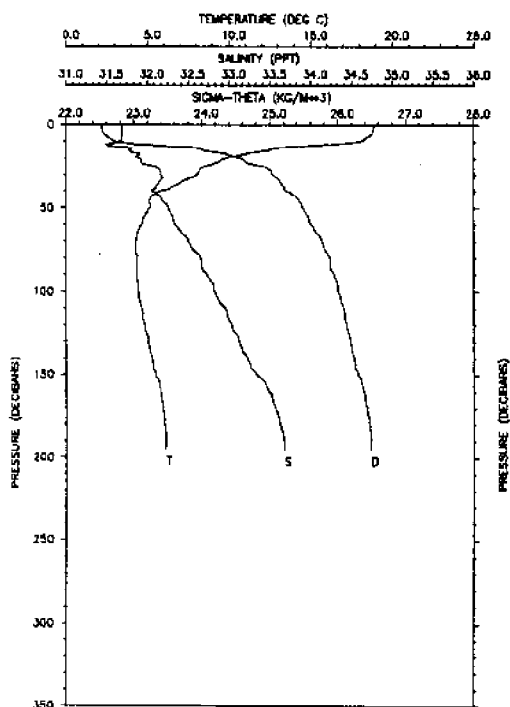
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	mf3/kg	10mf2/st2	m/sec	cph	
0.0	19.16	31.29	19.16	22.15	567.0	0.000	1515	2.11	Cruise EN165
10.0	18.10	31.26	18.10	22.39	544.4	0.057	1512	31.87	Station 56
20.0	8.59	31.62	8.59	24.53	339.4	0.098	1481	15.99	1 AUG 1987
30.0	6.25	31.92	6.24	25.09	286.4	0.129	1472	6.50	1115 UTC
40.0	5.18	32.09	5.17	25.35	261.7	0.157	1468	6.51	41 39.9 N
50.0	4.63	32.21	4.63	25.50	247.6	0.182	1466	6.42	69 33.0 W
60.0	4.42	32.30	4.41	25.59	238.8	0.207	1466	10.91	Depth 103 m
70.0	4.28	32.42	4.27	25.71	227.9	0.230	1466	2.1	
80.0	4.32	32.56	4.31	25.82	217.6	0.252	1466	7.7	
90.0	4.40	32.66	4.40	25.89	211.1	0.274	1467	3.6	
96.0	4.42	32.68	4.41	25.90	210.2	0.286	1467		



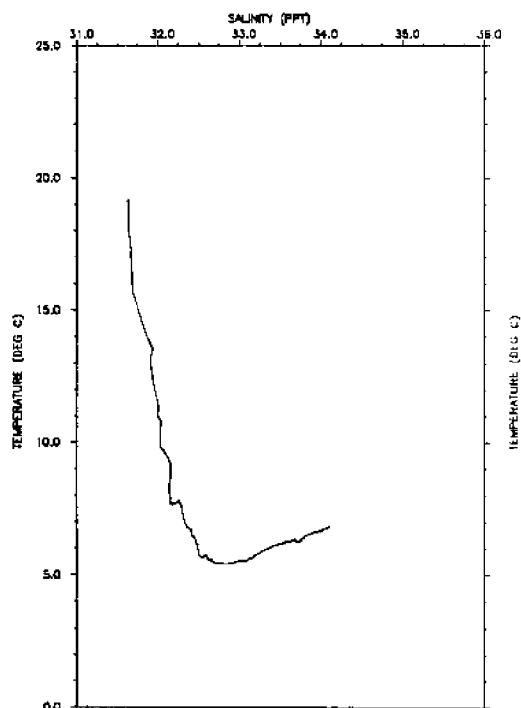
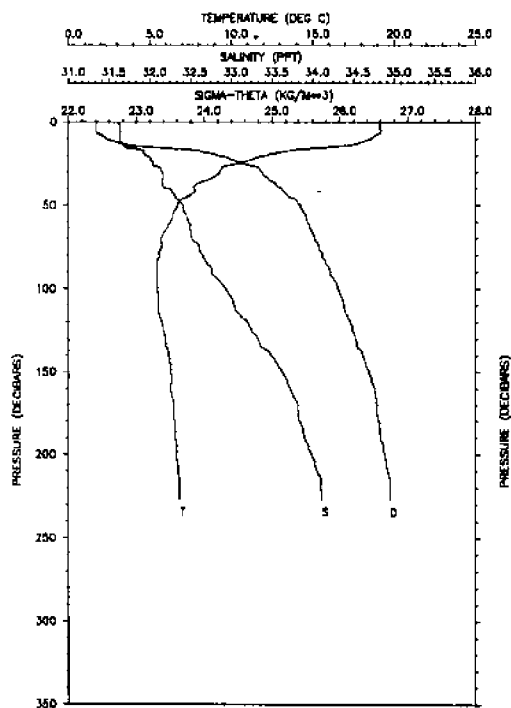
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	19.01	31.59	19.01	22.42	541.1	0.000	1515	-0.61	Cruise EN165
10.0	17.14	31.48	17.13	22.78	508.8	0.054	1509	39.74	Station 57
20.0	10.10	31.95	10.09	24.56	337.4	0.096	1487	16.79	1 AUG 1987
30.0	6.98	32.11	6.98	25.15	281.3	0.126	1475	8.34	1222 UTC
40.0	6.03	32.22	6.03	25.35	261.5	0.153	1472	8.61	41 50.1 N
50.0	4.81	32.40	4.80	25.64	234.7	0.178	1467	8.74	69 32.1 W
60.0	4.40	32.51	4.40	25.77	222.3	0.201	1466	4.57	Depth 178 m
70.0	4.38	32.66	4.38	25.88	211.3	0.223	1466	2.1	
80.0	4.33	32.72	4.33	25.94	206.2	0.244	1466	5.0	
90.0	4.36	32.79	4.36	25.99	201.4	0.264	1467	4.7	
100.0	4.50	32.88	4.49	26.05	195.5	0.284	1468	4.0	
110.0	4.69	32.97	4.68	26.10	190.9	0.303	1469	2.8	
120.0	4.92	33.05	4.91	26.14	187.3	0.322	1470	2.1	
130.0	5.07	33.14	5.06	26.19	182.7	0.341	1471	1.3	
140.0	5.22	33.21	5.20	26.23	179.4	0.359	1472	3.9	
150.0	5.44	33.30	5.43	26.28	174.9	0.377	1473	2.8	
160.0	5.62	33.39	5.61	26.33	170.7	0.394	1474	4.7	
170.0	5.71	33.43	5.70	26.35	168.8	0.411	1474	-0.4	
174.0	5.72	33.43	5.70	26.35	168.9	0.418	1474		



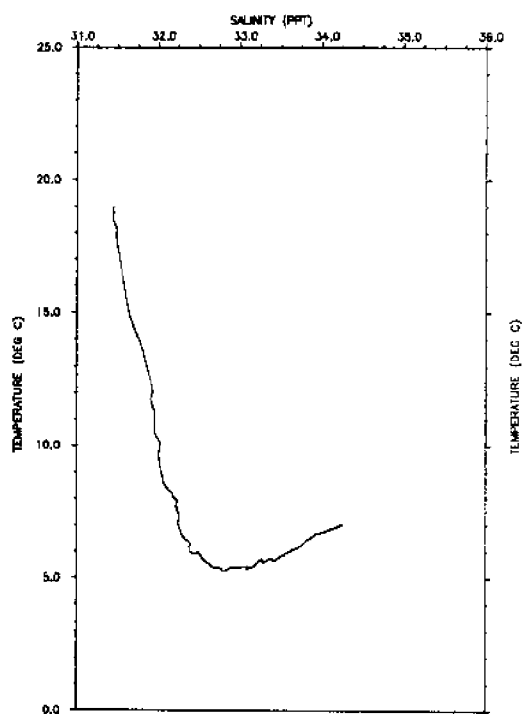
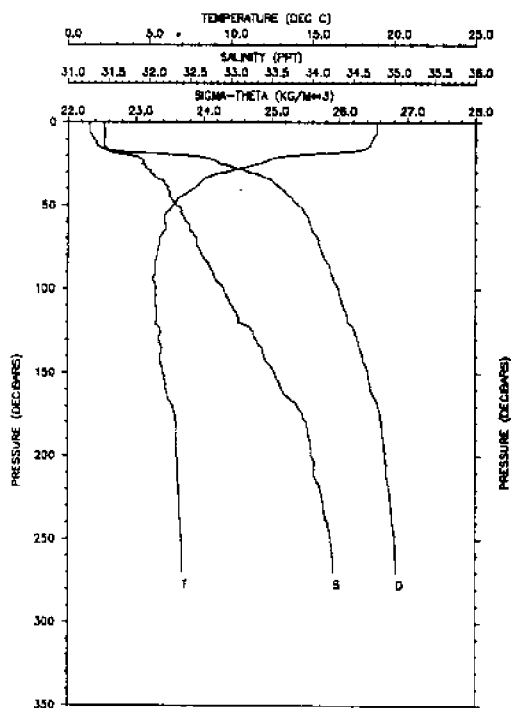
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/st+2	m/sec	cph	
0.0	19.23	31.56	19.23	22.33	549.2	0.000	1515	-0.61	Cruise EN165
10.0	18.98	31.58	18.98	22.42	541.6	0.055	1515	13.95	Station 58
20.0	11.73	31.94	11.73	24.26	365.3	0.101	1493	20.89	1 AUG 1987
30.0	7.39	32.09	7.39	25.08	287.8	0.133	1477	13.62	1345 UTC
40.0	5.35	32.19	5.34	25.41	256.0	0.160	1469	10.30	42 0.9 N
50.0	4.65	32.33	4.64	25.60	238.2	0.184	1467	5.74	69 30.9 W
60.0	4.24	32.45	4.24	25.73	225.6	0.208	1465	5.82	Depth 213 m
70.0	4.31	32.56	4.31	25.82	217.7	0.230	1466	4.9	
80.0	4.36	32.66	4.36	25.89	210.5	0.251	1466	4.7	
90.0	4.48	32.77	4.47	25.96	203.9	0.272	1467	4.0	
100.0	4.54	32.83	4.54	26.00	200.3	0.292	1468	3.9	
110.0	4.67	32.90	4.67	26.05	196.1	0.312	1469	5.4	
120.0	4.59	32.95	4.58	26.10	191.6	0.331	1468	4.6	
130.0	4.81	33.05	4.80	26.15	186.4	0.350	1470	1.9	
140.0	4.89	33.08	4.88	26.17	185.0	0.369	1470	3.8	
150.0	5.04	33.15	5.02	26.21	181.5	0.387	1471	3.5	
160.0	5.12	33.19	5.11	26.23	179.6	0.405	1472	2.9	
170.0	5.28	33.26	5.27	26.27	176.4	0.423	1472	1.0	
180.0	5.54	33.36	5.53	26.32	171.7	0.440	1474	3.4	
190.0	5.70	33.44	5.69	26.36	168.1	0.457	1475	4.6	
200.0	6.01	33.61	5.99	26.45	159.3	0.473	1476	2.4	
207.0	6.03	33.61	6.01	26.46	159.1	0.485	1476		



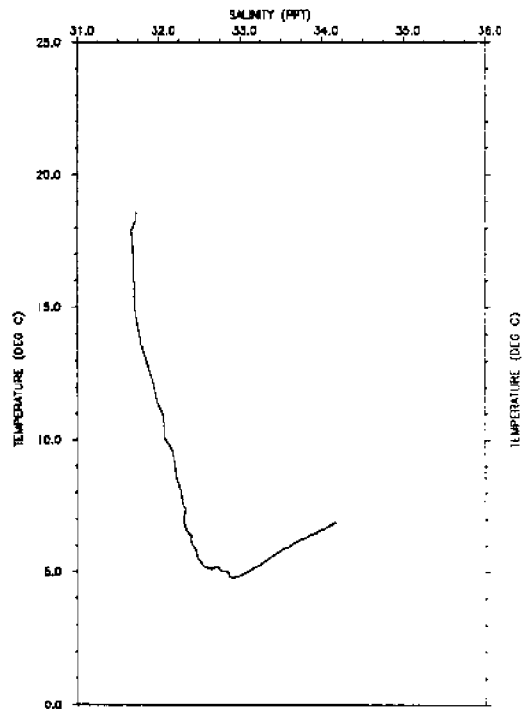
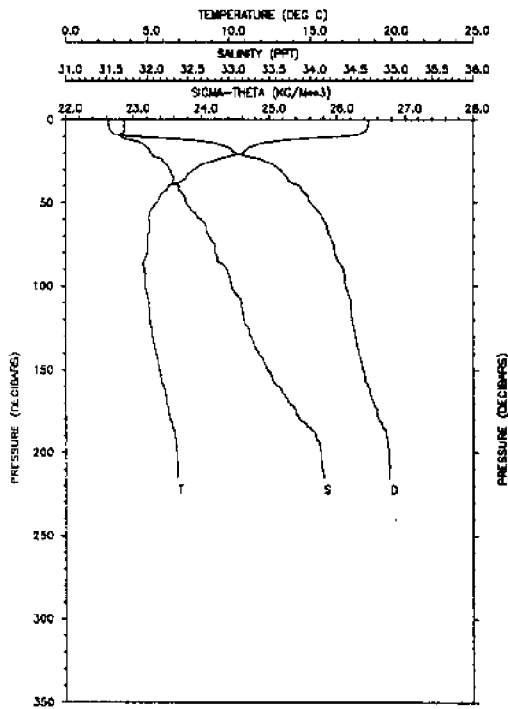
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	m³/kg	10m²/st²	m/sec	cph	
0.0	18.91	31.70	18.91	22.52	531.3	0.000	1515	-2.85	Cruise EN165
10.0	18.02	31.66	18.02	22.71	513.3	0.053	1512	19.35	Station 59
20.0	9.73	31.90	9.73	24.58	335.1	0.093	1485	11.56	1 AUG 1987
30.0	8.05	32.17	8.04	25.04	291.2	0.124	1480	9.80	1452 UTC
40.0	5.82	32.05	5.81	25.24	272.1	0.152	1471	14.21	42 11.3 N
50.0	5.12	32.26	5.12	25.49	248.8	0.178	1469	6.78	69 29.0 W
60.0	4.65	32.34	4.64	25.61	237.6	0.202	1467	10.20	Depth 202 m
70.0	4.33	32.51	4.32	25.77	222.1	0.225	1466	6.3	
80.0	4.37	32.66	4.37	25.89	210.8	0.247	1466	2.5	
90.0	4.34	32.73	4.34	25.94	205.8	0.267	1467	3.7	
100.0	4.44	32.82	4.43	26.01	199.5	0.288	1467	4.6	
110.0	4.66	32.95	4.65	26.09	191.9	0.307	1469	4.8	
120.0	4.86	33.04	4.85	26.14	187.5	0.326	1470	-1.9	
130.0	5.05	33.13	5.04	26.19	183.4	0.345	1471	3.3	
140.0	5.29	33.23	5.28	26.24	178.2	0.363	1472	1.8	
150.0	5.51	33.34	5.50	26.30	172.7	0.381	1473	7.1	
160.0	5.81	33.49	5.80	26.39	165.0	0.397	1475	5.7	
170.0	5.96	33.57	5.94	26.43	160.9	0.414	1476	1.8	
180.0	6.05	33.62	6.03	26.46	158.5	0.430	1476	4.9	
190.0	6.14	33.67	6.12	26.49	155.7	0.445	1477	0.8	
195.0	6.14	33.68	6.13	26.49	155.7	0.453	1477		



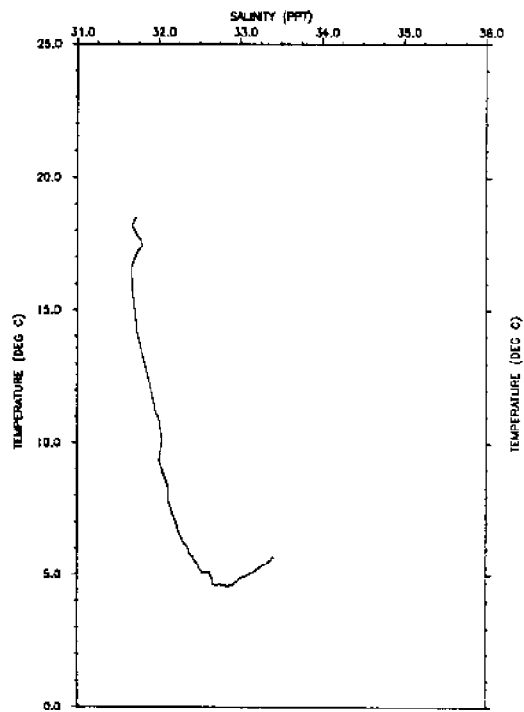
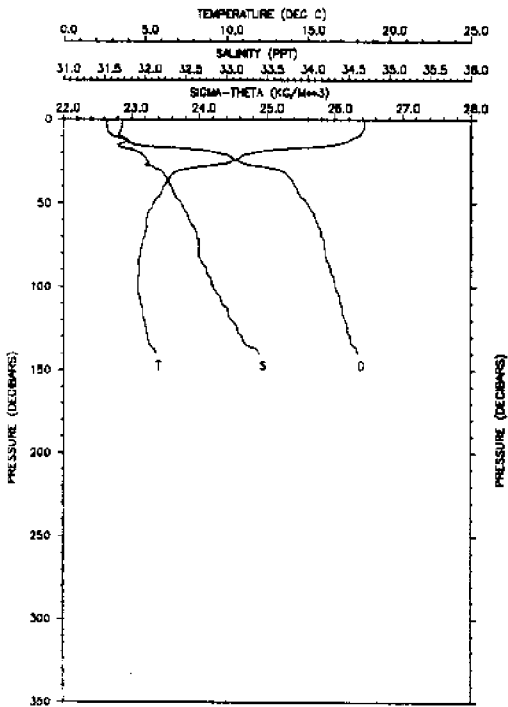
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cpH	
0.0	19.09	31.82	19.09	22.42	540.9	0.000	1515	-3.24	Cruise EN165
10.0	18.55	31.84	18.54	22.57	527.3	0.054	1514	13.55	Station 60
20.0	12.12	31.96	12.12	24.21	370.9	0.099	1494	21.24	1 AUG 1987
30.0	9.24	32.15	9.24	24.85	309.6	0.133	1484	7.47	1607 UTC
40.0	7.74	32.25	7.74	25.15	281.1	0.162	1479	4.57	42 21.7 N
50.0	6.70	32.41	6.70	25.42	255.4	0.189	1475	3.44	69 30.0 W
60.0	6.24	32.47	6.24	25.53	245.5	0.214	1473	9.02	Depth 232 m
70.0	5.69	32.52	5.69	25.63	235.8	0.238	1472	5.8	
80.0	5.60	32.68	5.59	25.75	224.2	0.261	1471	1.6	
90.0	5.45	32.77	5.45	25.85	214.5	0.283	1471	1.1	
100.0	5.47	32.93	5.47	25.98	202.9	0.304	1472	6.0	
110.0	5.53	33.03	5.52	26.08	195.5	0.324	1472	4.5	
120.0	5.75	33.20	5.74	26.16	185.8	0.343	1473	4.0	
130.0	5.97	33.32	5.96	26.23	179.3	0.361	1475	5.8	
140.0	6.17	33.49	6.16	26.34	169.5	0.379	1476	5.0	
150.0	6.31	33.63	6.29	26.43	160.5	0.395	1477	2.6	
160.0	6.26	33.73	6.25	26.52	152.9	0.411	1477	2.8	
170.0	6.51	33.82	6.49	26.56	149.2	0.426	1478	-0.7	
180.0	6.54	33.85	6.52	26.57	147.9	0.441	1478	4.8	
190.0	6.62	33.90	6.60	26.61	144.9	0.455	1479	3.3	
200.0	6.66	33.99	6.65	26.67	139.0	0.470	1479	5.2	
210.0	6.76	34.06	6.75	26.71	135.4	0.483	1480	4.0	
220.0	6.84	34.11	6.82	26.74	132.5	0.497	1481	-0.6	
227.0	6.84	34.11	6.82	26.74	132.5	0.506	1481		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	18.96	31.44	18.96	22.32	550.8	0.000	1515	2.22	Cruise EN165
10.0	18.70	31.45	18.70	22.39	544.4	0.055	1514	7.05	Station 61
20.0	13.53	31.82	13.52	23.83	486.7	0.107	1499	23.52	1 AUG 1987
30.0	9.65	32.00	9.64	24.67	326.7	0.143	1485	19.19	1730 UTC
40.0	7.70	32.22	7.70	25.13	282.8	0.173	1479	12.97	42 30.6 N
50.0	6.46	32.34	6.45	25.40	257.7	0.200	1474	11.88	69 29.0 W
60.0	5.93	32.47	5.92	25.56	242.1	0.224	1472	5.03	Depth 273 m
70.0	5.66	32.58	5.65	25.68	230.4	0.248	1471	2.8	
80.0	5.48	32.65	5.47	25.76	223.7	0.271	1471	5.2	
90.0	5.38	32.78	5.37	25.87	213.0	0.293	1471	5.1	
100.0	5.40	32.91	5.39	25.97	203.4	0.314	1471	4.9	
110.0	5.39	33.01	5.39	26.05	195.7	0.334	1472	5.3	
120.0	5.35	33.09	5.35	26.12	189.6	0.353	1472	12.5	
130.0	5.62	33.31	5.61	26.27	176.0	0.371	1473	4.6	
140.0	5.68	33.41	5.67	26.34	169.5	0.388	1474	4.1	
150.0	5.87	33.54	5.86	26.42	162.0	0.405	1475	2.0	
160.0	6.03	33.62	6.02	26.48	158.0	0.421	1476	4.6	
170.0	6.43	33.81	6.41	26.56	148.8	0.436	1478	5.3	
180.0	6.66	33.93	6.64	26.63	143.1	0.450	1479	1.7	
190.0	6.71	33.96	6.69	26.64	141.4	0.465	1479	3.3	
200.0	6.68	33.99	6.66	26.67	139.2	0.479	1479	4.8	
210.0	6.78	34.03	6.76	26.69	137.5	0.492	1480	2.3	
220.0	6.84	34.10	6.82	26.74	133.4	0.506	1481	3.6	
230.0	6.88	34.14	6.86	26.76	131.3	0.519	1481	2.0	
240.0	6.93	34.18	6.91	26.79	128.7	0.532	1481	3.1	
250.0	7.00	34.23	6.98	26.81	126.7	0.545	1482	1.8	
260.0	7.03	34.25	7.01	26.83	125.3	0.558	1482	0.8	
270.0	7.04	34.26	7.01	26.83	125.1	0.570	1482		

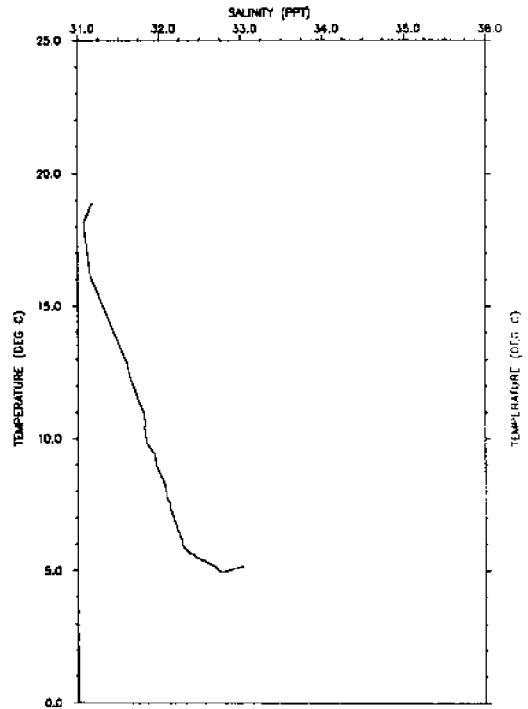
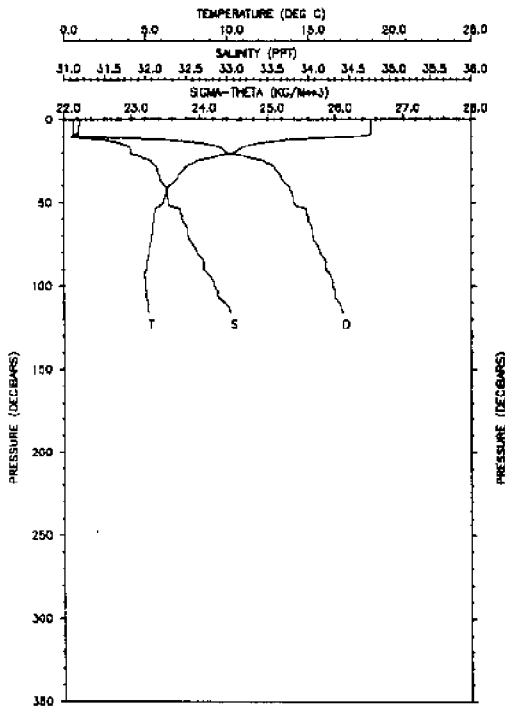


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	nt3/kg	10m+2/st+2	m/sec	cph	
0.0	18.57	31.72	18.57	22.63	521.2	0.000	1514	1.58	Cruise EN165
10.0	16.80	31.69	16.80	23.03	483.3	0.052	1509	34.96	Station 62
20.0	10.86	32.06	10.85	24.51	341.5	0.090	1490	13.60	1 AUG 1987
30.0	7.84	32.28	7.84	25.16	279.7	0.120	1479	9.26	1852 UTC
40.0	6.35	32.40	6.35	25.46	251.7	0.147	1474	-1.97	42 36.0 N
50.0	5.57	32.48	5.56	25.62	236.7	0.171	1471	7.02	69 17.5 W
60.0	5.14	32.67	5.13	25.81	218.2	0.194	1469	5.09	Depth 223 m
70.0	5.04	32.77	5.03	25.90	209.9	0.216	1469	6.3	
80.0	5.01	32.84	5.00	25.96	203.9	0.236	1469	4.3	
90.0	4.85	32.98	4.85	26.09	191.6	0.256	1469	4.5	
100.0	4.91	33.04	4.90	26.13	188.4	0.275	1469	3.9	
110.0	5.13	33.16	5.12	26.20	181.8	0.293	1471	2.5	
120.0	5.19	33.19	5.18	26.22	180.1	0.312	1471	2.8	
130.0	5.34	33.27	5.33	26.27	175.7	0.329	1472	4.8	
140.0	5.55	33.37	5.54	26.32	171.0	0.347	1473	2.8	
150.0	5.78	33.48	5.76	26.38	165.1	0.363	1474	6.0	
160.0	6.00	33.62	5.98	26.46	157.9	0.380	1476	4.9	
170.0	6.23	33.75	6.22	26.54	151.1	0.395	1477	4.5	
180.0	6.43	33.88	6.41	26.61	144.2	0.410	1478	8.9	
190.0	6.72	34.07	6.70	26.73	133.7	0.424	1480	3.6	
200.0	6.84	34.13	6.82	26.76	130.5	0.437	1480	-1.1	
210.0	6.87	34.16	6.85	26.77	129.5	0.450	1481	1.1	
215.0	6.89	34.17	6.87	26.78	129.0	0.456	1481		

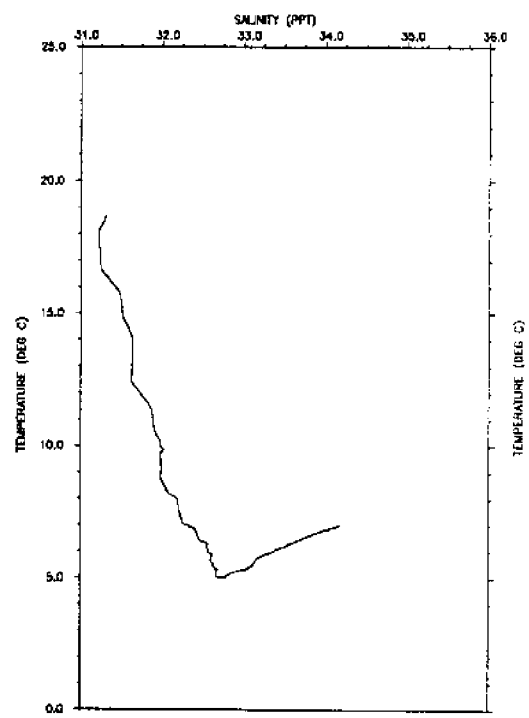
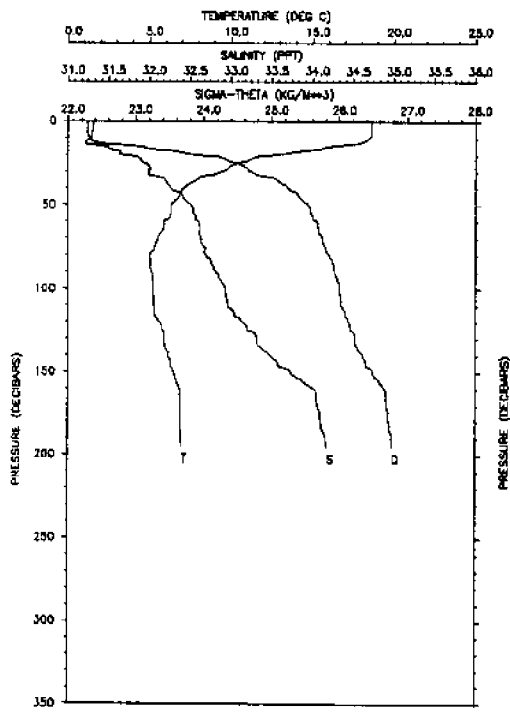


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/s+2	m/sec	cph	
0.0	18.51	31.72	18.51	22.64	519.8	0.000	1514	0.25	Cruise EN165
10.0	18.07	31.70	18.07	22.73	511.9	0.052	1512	16.52	Station 63
20.0	11.57	31.94	11.56	24.29	362.7	0.097	1492	18.52	1 AUG 1987
30.0	7.19	32.19	7.18	25.18	278.1	0.130	1476	12.73	2022 UTC
40.0	6.15	32.33	6.15	25.42	255.1	0.157	1473	6.07	42 42.4 N
50.0	5.52	32.45	5.51	25.60	238.7	0.181	1470	7.31	69 7.3 W
60.0	5.09	32.55	5.08	25.72	226.7	0.205	1469	5.61	Depth 150 m
70.0	4.99	32.64	4.98	25.81	218.7	0.227	1469	6.9	
80.0	4.74	32.67	4.73	25.85	214.3	0.248	1468	-0.3	
90.0	4.65	32.76	4.64	25.94	206.6	0.269	1468	3.1	
100.0	4.57	32.84	4.57	26.01	199.9	0.290	1468	4.3	
110.0	4.74	32.95	4.74	26.08	193.1	0.309	1469	5.4	
120.0	4.97	33.07	4.96	26.15	186.8	0.328	1470	7.5	
130.0	5.19	33.19	5.18	26.22	180.2	0.347	1471	3.5	
140.0	5.69	33.41	5.68	26.33	169.6	0.364	1474		

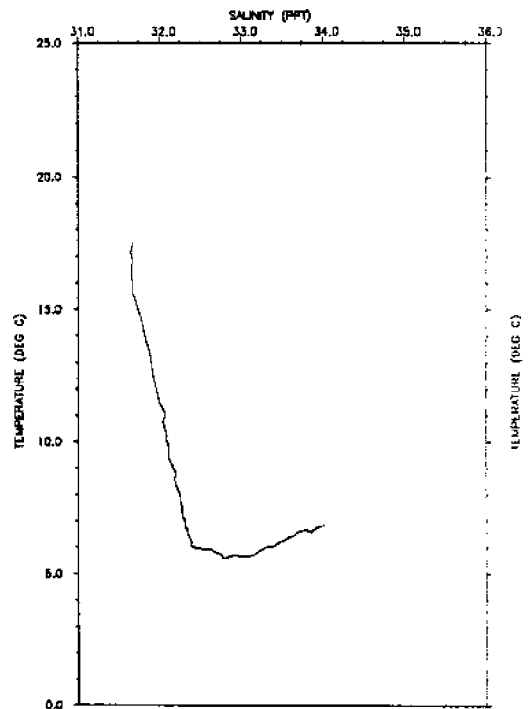
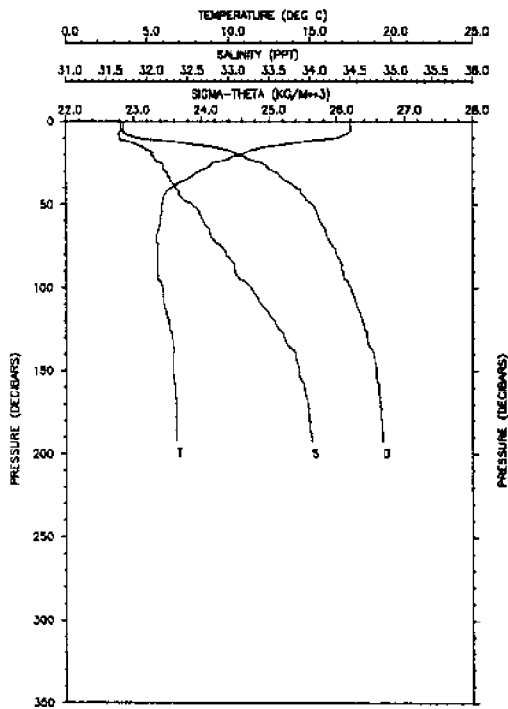




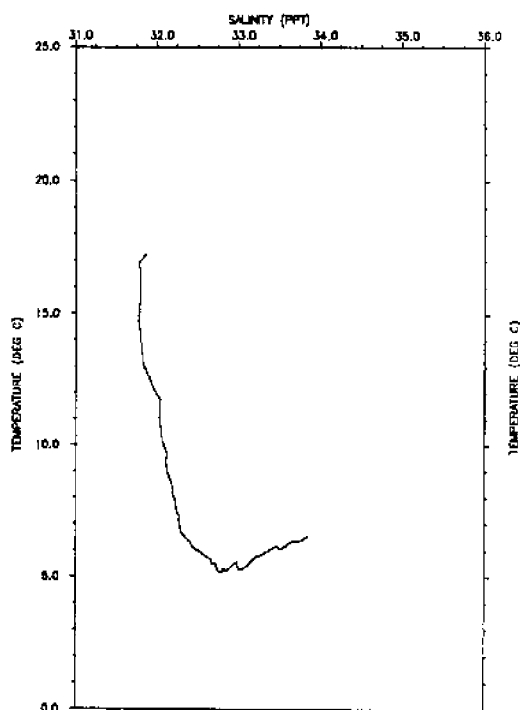
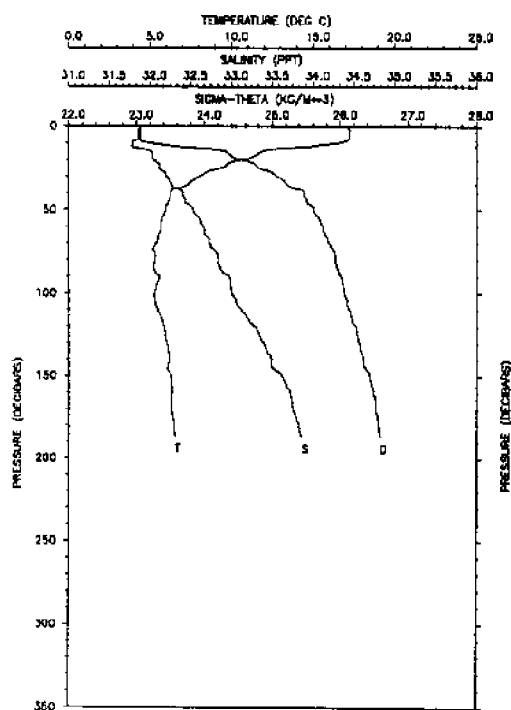
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	18.87	31.19	18.87	22.15	567.3	0.000	1514	-0.98	Cruise EN165
10.0	18.13	31.08	18.13	22.24	558.1	0.057	1512	40.13	Station 64
20.0	10.44	31.82	10.44	24.40	352.3	0.097	1488	20.03	1 AUG 1987
30.0	7.35	32.15	7.35	25.13	283.0	0.128	1477	5.26	2130 UTC
40.0	6.47	32.24	6.47	25.32	265.1	0.155	1474	6.77	42 48.9 N
50.0	6.11	32.29	6.11	25.40	257.3	0.181	1473	5.60	68 56.1 W
60.0	5.53	32.46	5.53	25.60	238.1	0.206	1471	4.07	Depth 123 m
70.0	5.41	32.53	5.41	25.67	231.7	0.229	1470	3.6	
80.0	5.24	32.64	5.24	25.78	221.8	0.252	1470	4.9	
90.0	5.05	32.72	5.05	25.86	213.8	0.273	1470	7.9	
100.0	5.00	32.85	5.00	25.97	203.7	0.294	1470	5.6	
110.0	5.12	32.97	5.12	26.05	196.0	0.314	1470	8.2	
116.0	5.21	33.05	5.20	26.11	190.9	0.326	1471		



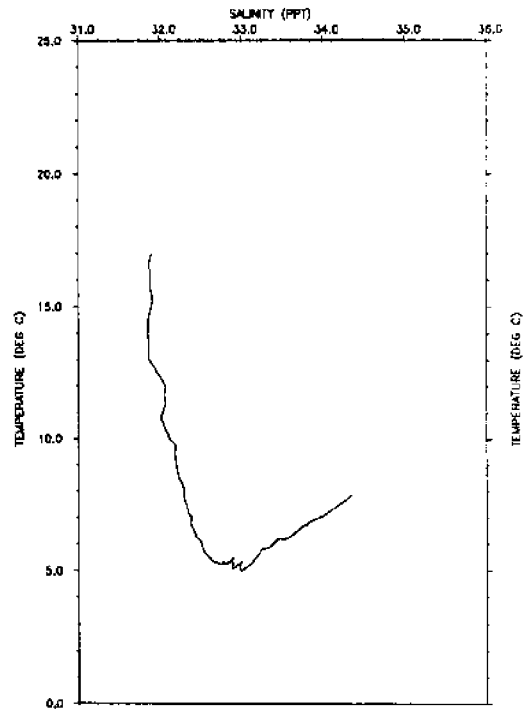
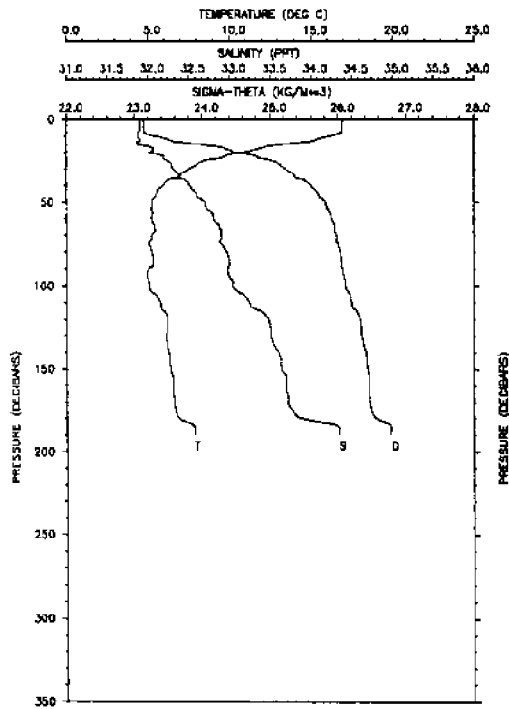
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	18.63	31.31	18.63	22.29	553.1	0.000	1513	-0.68	Cruise EN165
10.0	18.46	31.29	18.46	22.32	550.5	0.055	1513	6.60	Station 65
20.0	12.42	31.63	12.42	23.89	400.8	0.104	1495	31.90	1 AUG 1987
30.0	9.35	32.00	9.35	24.71	322.6	0.139	1484	10.03	2245 UTC
40.0	7.12	32.26	7.12	25.24	272.0	0.168	1476	9.03	42 55.1 N
50.0	6.37	32.52	6.36	25.55	243.5	0.194	1474	5.45	68 46.3 W
60.0	5.93	32.60	5.93	25.67	231.9	0.218	1472	4.61	Depth 201 m
70.0	5.51	32.63	5.51	25.74	225.0	0.241	1471	4.9	
80.0	5.05	32.70	5.05	25.85	214.8	0.263	1469	3.6	
90.0	5.12	32.82	5.12	25.93	206.9	0.284	1470	6.2	
100.0	5.27	32.93	5.26	26.00	200.3	0.304	1471	2.7	
110.0	5.30	32.96	5.29	26.03	198.3	0.324	1471	4.6	
120.0	5.60	33.15	5.59	26.14	187.6	0.343	1473	4.7	
130.0	5.93	33.32	5.92	26.23	179.3	0.361	1474	2.3	
140.0	6.17	33.49	6.16	26.34	169.4	0.379	1476	4.1	
150.0	6.50	33.73	6.49	26.49	155.5	0.395	1478	5.1	
160.0	6.84	34.03	6.83	26.67	138.1	0.410	1479	4.3	
170.0	6.89	34.07	6.88	26.70	135.6	0.424	1480	1.4	
180.0	6.92	34.11	6.90	26.73	133.3	0.437	1480	2.4	
190.0	6.98	34.16	6.96	26.76	130.3	0.450	1481	2.2	
195.0	7.00	34.18	6.98	26.77	129.4	0.457	1481		



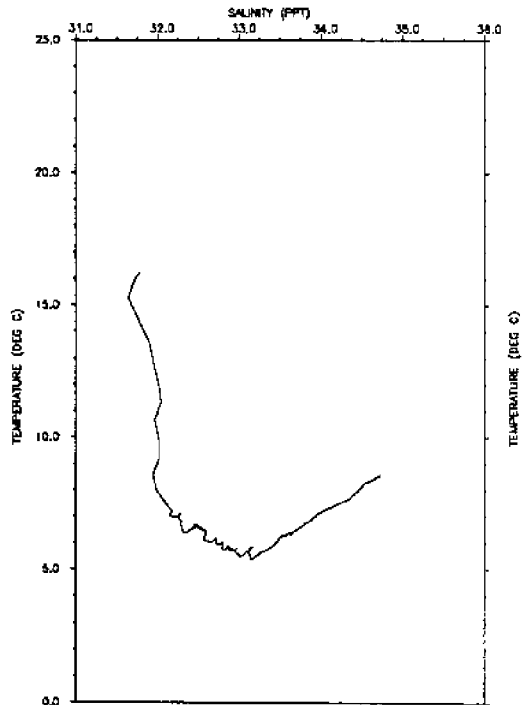
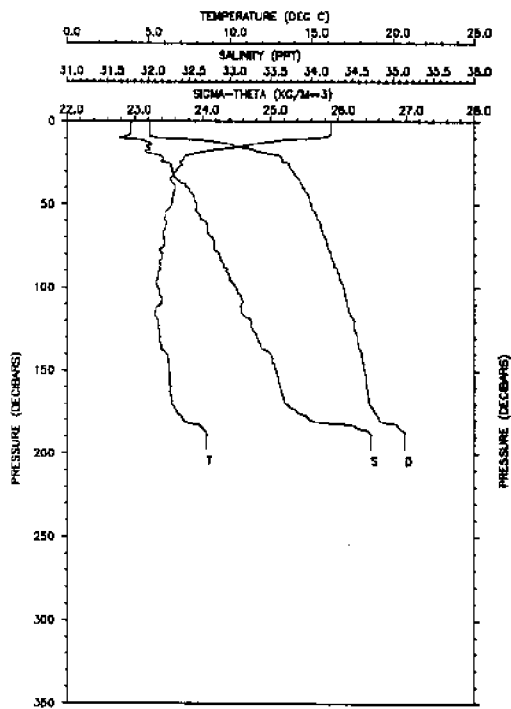
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	mt³/kg	10mt²/st²	m/sec	cph	
0.0	17.50	31.68	17.50	22.85	499.8	0.000	1511	-1.36	Cruise EN165
10.0	16.56	31.66	16.56	23.06	480.4	0.050	1508	24.82	Station 66
20.0	10.72	32.05	10.72	24.53	340.4	0.089	1489	18.67	1 AUG 1987
30.0	8.14	32.23	8.13	25.08	287.3	0.120	1480	11.07	2352 UTC
40.0	6.47	32.35	6.47	25.40	257.2	0.147	1474	13.35	43 1.2 N
50.0	5.90	32.56	5.90	25.63	235.1	0.172	1472	8.66	68 37.2 W
60.0	5.81	32.70	5.81	25.76	223.6	0.194	1472	5.40	Depth 203 m
70.0	5.60	32.80	5.59	25.86	213.4	0.216	1471	7.9	
80.0	5.68	32.97	5.67	25.99	201.3	0.237	1472	5.6	
90.0	5.65	33.08	5.65	26.08	193.2	0.256	1472	3.6	
100.0	5.97	33.28	5.96	26.20	182.0	0.275	1474	5.3	
110.0	6.06	33.40	6.05	26.29	174.0	0.293	1475	5.2	
120.0	6.35	33.57	6.34	26.38	165.3	0.310	1476	3.0	
130.0	6.55	33.69	6.54	26.45	159.0	0.328	1477	0.8	
140.0	6.62	33.82	6.61	26.55	150.0	0.342	1478	4.2	
150.0	6.81	33.87	6.60	26.58	146.6	0.357	1478	2.3	
160.0	6.76	33.94	6.74	26.62	143.5	0.371	1479	1.0	
170.0	6.81	33.98	6.79	26.64	141.5	0.385	1479	1.9	
180.0	6.82	34.00	6.81	26.66	140.2	0.399	1480	3.0	
190.0	6.83	34.02	6.81	26.67	138.7	0.413	1480	2.0	
192.0	6.82	34.02	6.81	26.68	138.5	0.416	1480		



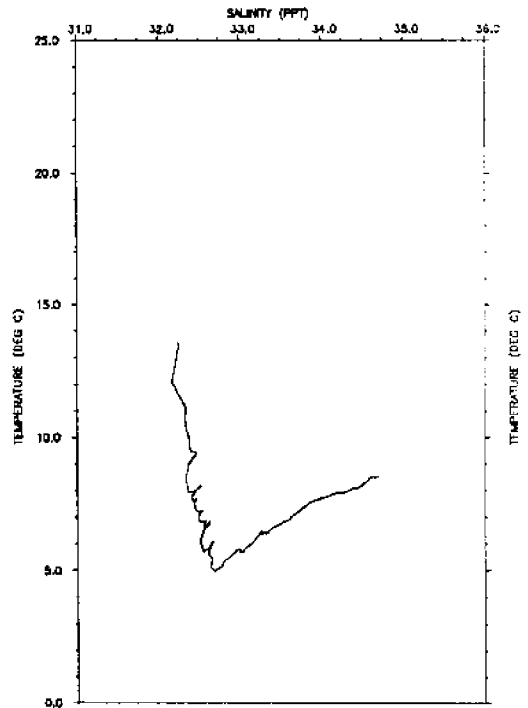
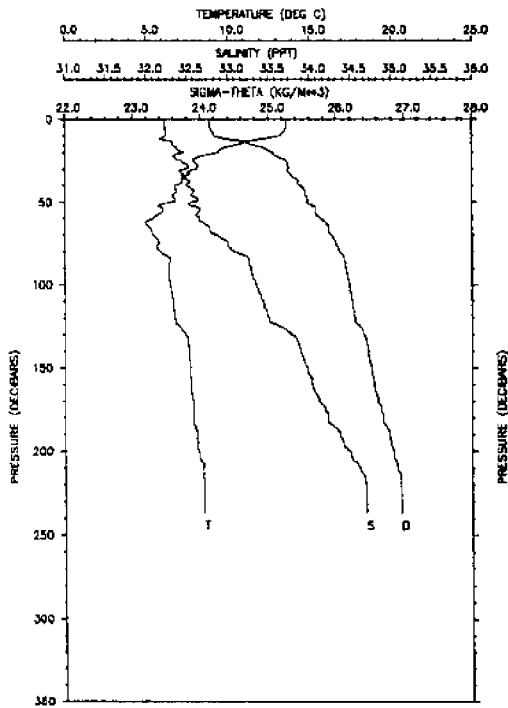
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	17.22	31.87	17.22	23.06	479.5	0.000	1510	-1.92	Cruise EN165
10.0	16.26	31.80	16.25	23.23	464.1	0.048	1507	21.12	Station 67
20.0	10.54	32.04	10.54	24.55	337.9	0.086	1489	17.14	2 AUG 1987
30.0	8.03	32.20	8.03	25.07	288.3	0.117	1480	11.30	0107 UTC
40.0	6.28	32.41	6.28	25.47	250.6	0.144	1473	1.78	43 7.8 N
50.0	5.95	32.53	5.94	25.61	237.7	0.169	1472	5.31	68 26.6 W
60.0	5.67	32.65	5.66	25.74	225.1	0.192	1471	6.05	Depth 188 m
70.0	5.35	32.73	5.34	25.84	215.7	0.214	1470	6.4	
80.0	5.29	32.84	5.28	25.93	207.1	0.235	1470	3.4	
90.0	5.54	32.97	5.53	26.01	200.2	0.255	1472	6.0	
100.0	5.28	33.00	5.27	26.06	194.8	0.275	1471	3.3	
110.0	5.44	33.12	5.43	26.14	187.8	0.294	1472	4.9	
120.0	5.84	33.30	5.83	26.23	179.2	0.313	1474	1.3	
130.0	6.01	33.39	6.00	26.28	175.0	0.330	1475	4.6	
140.0	6.18	33.49	6.14	26.34	169.4	0.348	1476	1.2	
150.0	6.28	33.62	6.26	26.43	161.3	0.364	1477	3.8	
160.0	6.35	33.71	6.34	26.49	155.1	0.380	1477	2.7	
170.0	6.34	33.75	6.33	26.52	152.4	0.395	1477	2.8	
180.0	6.48	33.82	6.46	26.56	149.0	0.411	1478	2.8	
187.0	6.54	33.85	6.52	26.58	147.4	0.421	1478		



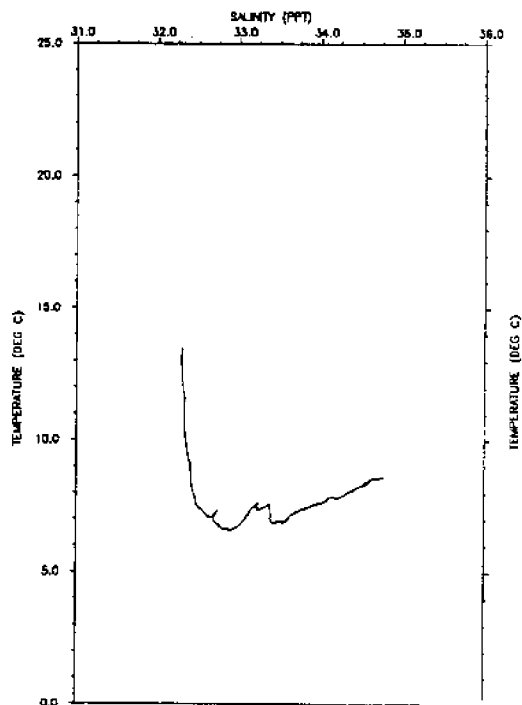
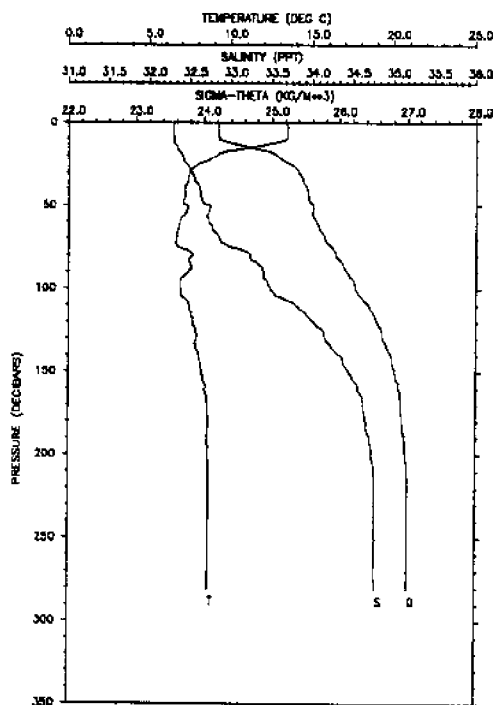
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	18.97	31.91	18.97	23.15	471.4	0.000	1509	-1.79	Cruise EN165
10.0	18.21	31.88	18.21	23.31	456.5	0.047	1507	18.32	Station 68
20.0	10.76	32.01	10.76	24.49	343.8	0.087	1489	26.54	2 AUG 1987
30.0	7.57	32.32	7.57	25.23	273.3	0.118	1478	9.94	0207 UTC
40.0	5.93	32.52	5.93	25.60	238.1	0.142	1472	8.27	43 12.6 N
50.0	5.30	32.70	5.29	25.82	217.5	0.165	1470	4.45	68 18.2 W
60.0	5.26	32.81	5.25	25.91	208.7	0.186	1470	3.23	Depth 190 m
70.0	5.26	32.90	5.26	25.98	202.0	0.206	1470	2.2	
80.0	5.27	32.98	5.26	26.04	196.6	0.226	1471	2.0	
90.0	5.05	32.99	5.05	26.07	193.6	0.246	1470	3.3	
100.0	5.09	33.04	5.09	26.11	189.8	0.265	1470	3.7	
110.0	5.78	33.25	5.77	26.20	182.1	0.284	1473	2.0	
120.0	6.20	33.49	6.19	26.33	169.8	0.301	1476	3.6	
130.0	6.17	33.51	6.16	26.36	167.5	0.318	1476	3.4	
140.0	6.30	33.60	6.29	26.41	162.4	0.335	1476	3.3	
150.0	6.40	33.64	6.39	26.43	161.2	0.351	1477	3.2	
160.0	6.56	33.70	6.54	26.46	158.5	0.367	1478	0.3	
170.0	6.59	33.72	6.57	26.47	157.9	0.383	1478	1.0	
180.0	6.92	33.90	6.91	26.56	148.9	0.398	1480	13.4	
189.0	7.87	34.34	7.85	26.78	129.1	0.410	1484		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	16.22	31.79	16.22	23.23	463.8	0.000	1507	-1.76	Cruise EN165
10.0	15.24	31.85	15.24	23.34	453.3	0.046	1504	42.39	Station 69
20.0	7.48	32.11	7.47	25.08	287.3	0.081	1477	14.97	2 AUG 1987
30.0	6.67	32.29	6.67	25.33	263.9	0.108	1474	8.28	0307 UTC
40.0	6.68	32.49	6.67	25.49	249.1	0.134	1475	8.51	43 16.9 N
50.0	6.43	32.59	6.43	25.60	238.4	0.158	1474	3.49	68 10.6 W
60.0	6.09	32.70	6.08	25.72	226.8	0.181	1473	3.86	Depth 198 m
70.0	5.95	32.79	5.95	25.81	218.5	0.204	1473	5.0	
80.0	5.89	32.88	5.88	25.89	211.2	0.225	1473	2.0	
90.0	5.70	32.96	5.70	25.98	203.0	0.246	1472	8.7	
100.0	5.60	33.08	5.59	26.08	193.1	0.266	1472	3.3	
110.0	5.73	33.14	5.73	26.12	190.0	0.285	1473	4.5	
120.0	5.59	33.26	5.59	26.23	179.5	0.303	1473	1.3	
130.0	5.72	33.34	5.71	26.28	175.0	0.321	1474	3.8	
140.0	6.18	33.50	6.17	26.35	168.6	0.338	1476	3.9	
150.0	6.28	33.56	6.27	26.38	165.2	0.355	1476	4.4	
160.0	6.36	33.62	6.34	26.42	162.3	0.371	1477	3.4	
170.0	6.45	33.69	6.43	26.46	158.5	0.388	1478	5.8	
180.0	7.12	33.99	7.11	26.61	144.8	0.403	1481	9.2	
190.0	8.57	34.73	8.55	26.98	110.5	0.415	1487	0.7	
197.0	8.57	34.73	8.55	26.98	110.6	0.422	1488		

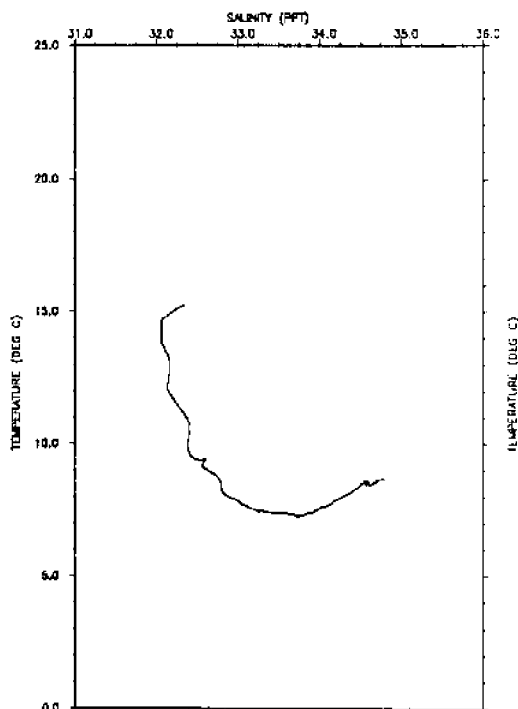
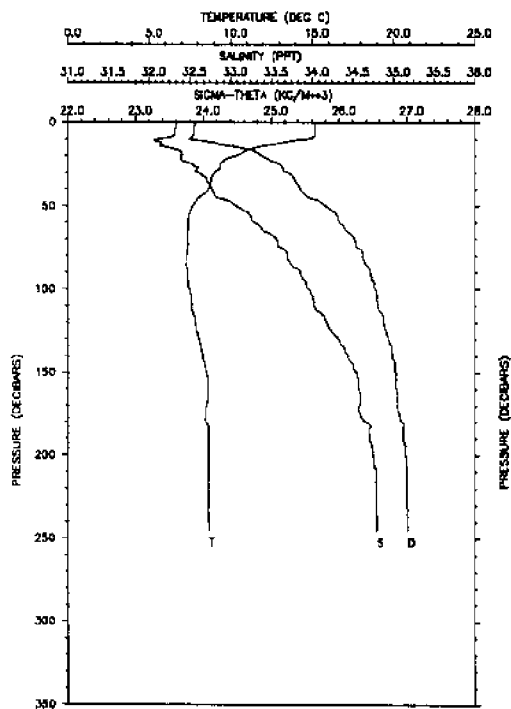


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	13.57	32.23	13.57	24.14	378.9	0.000	1499	1.69	Cruise EN165
10.0	13.25	32.24	13.25	24.21	370.7	0.038	1498	13.36	Station 70
20.0	9.41	32.47	9.41	25.07	288.1	0.070	1485	-4.55	2 AUG 1987
30.0	8.08	32.47	8.08	25.28	268.7	0.097	1480	-1.58	0407 UTC
40.0	6.82	32.50	6.82	25.47	250.3	0.123	1475	10.69	43 22.1 N
50.0	6.57	32.57	6.57	25.56	242.0	0.148	1475	8.21	68 1.2 W
60.0	5.44	32.65	5.44	25.77	222.6	0.171	1471	10.43	Depth 236 m
70.0	5.46	32.85	5.45	25.92	207.8	0.192	1471	8.1	
80.0	5.85	33.08	5.85	26.05	195.7	0.212	1473	8.7	
90.0	6.41	33.29	6.40	26.15	186.9	0.231	1476	3.8	
100.0	6.48	33.35	6.45	26.19	182.8	0.249	1476	-1.4	
110.0	6.66	33.43	6.65	26.23	179.5	0.267	1477	4.7	
120.0	6.78	33.51	6.76	26.27	175.3	0.285	1478	2.1	
130.0	7.40	33.79	7.39	26.41	162.5	0.302	1481	5.9	
140.0	7.61	33.90	7.59	26.47	157.9	0.318	1482	2.4	
150.0	7.70	33.98	7.68	26.52	153.3	0.334	1483	2.3	
160.0	7.75	34.04	7.74	26.56	149.8	0.349	1483	3.8	
170.0	7.85	34.13	7.84	26.61	144.4	0.364	1484	4.4	
180.0	7.91	34.24	7.89	26.69	137.3	0.378	1484	1.3	
190.0	8.09	34.37	8.07	26.77	130.1	0.391	1485	3.1	
200.0	8.21	34.50	8.19	26.85	122.4	0.404	1486	-0.9	
210.0	8.50	34.62	8.48	26.90	118.2	0.416	1487	1.1	
220.0	8.54	34.69	8.52	26.95	113.5	0.427	1488	1.4	
230.0	8.54	34.70	8.52	26.96	113.4	0.439	1488	-0.3	
237.0	8.54	34.70	8.51	26.96	113.5	0.447	1488		

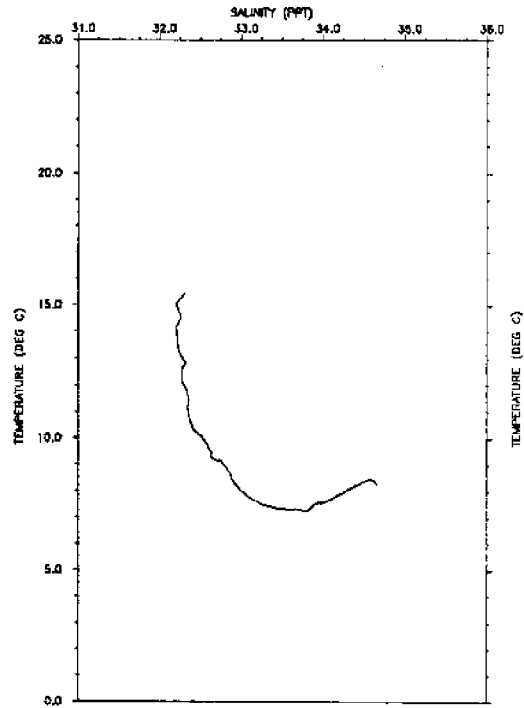
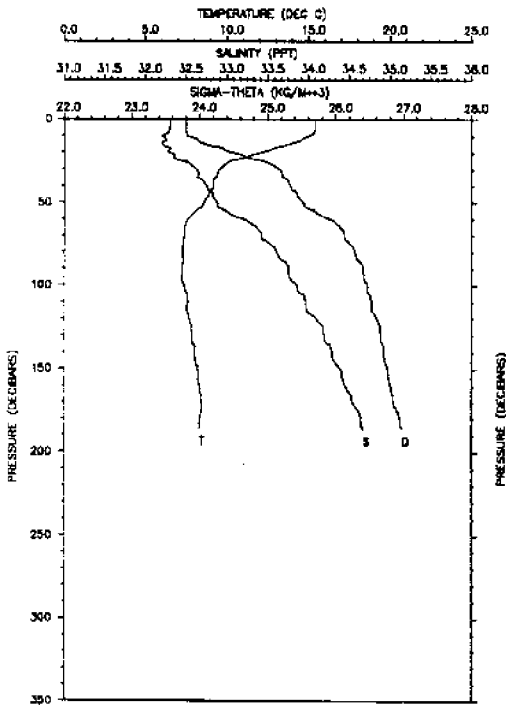


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	13.43	32.30	13.43	24.21	369.6	0.000	1498	-2.27	Cruise EN165
10.0	13.38	32.30	13.38	24.23	368.6	0.037	1498	12.23	Station 71
20.0	9.06	32.40	9.06	25.08	287.9	0.069	1484	10.36	2 AUG 1987
30.0	7.46	32.52	7.46	25.40	257.2	0.097	1478	6.52	0530 UTC
40.0	7.16	32.61	7.16	25.52	246.2	0.122	1477	5.88	43 29.3 N
50.0	7.33	32.75	7.33	25.60	238.3	0.148	1478	-5.00	67 53.0 W
60.0	6.85	32.73	6.85	25.65	233.8	0.170	1476	8.19	Depth 283 m
70.0	6.64	32.86	6.63	25.78	221.4	0.193	1478	5.9	
80.0	7.62	33.24	7.62	25.95	206.1	0.214	1480	-2.5	
90.0	7.37	33.39	7.36	26.10	191.6	0.234	1480	8.6	
100.0	6.89	33.48	6.88	26.23	178.9	0.252	1478	5.2	
110.0	7.40	33.80	7.39	26.42	161.4	0.269	1480	4.5	
120.0	7.62	34.00	7.61	26.55	149.8	0.285	1482	6.4	
130.0	7.87	34.16	7.85	26.64	141.7	0.299	1483	3.0	
140.0	8.01	34.34	8.00	26.76	130.3	0.313	1484	3.9	
150.0	8.19	34.44	8.17	26.81	125.9	0.326	1485	3.1	
160.0	8.40	34.55	8.39	26.86	121.2	0.338	1486	6.4	
170.0	8.54	34.63	8.53	26.90	117.6	0.350	1487	-0.8	
180.0	8.57	34.66	8.55	26.92	116.0	0.361	1487	3.0	
190.0	8.55	34.70	8.53	26.96	112.4	0.373	1487	1.7	
200.0	8.59	34.73	8.57	26.97	111.4	0.384	1488	0.9	
210.0	8.61	34.76	8.59	27.00	109.5	0.395	1488	-0.6	
220.0	8.61	34.77	8.59	27.00	109.0	0.406	1488	-0.8	
230.0	8.61	34.77	8.59	27.00	109.2	0.417	1488	-1.2	
240.0	8.61	34.77	8.58	27.00	109.4	0.428	1488	1.4	
250.0	8.61	34.77	8.58	27.00	109.4	0.439	1489	0.5	
260.0	8.60	34.77	8.58	27.00	109.6	0.450	1489	-0.9	
270.0	8.60	34.77	8.58	27.01	109.8	0.461	1489	-1.6	
280.0	8.60	34.77	8.57	27.01	109.7	0.472	1489	-0.8	
281.0	8.60	34.77	8.57	27.01	109.7	0.473	1489		

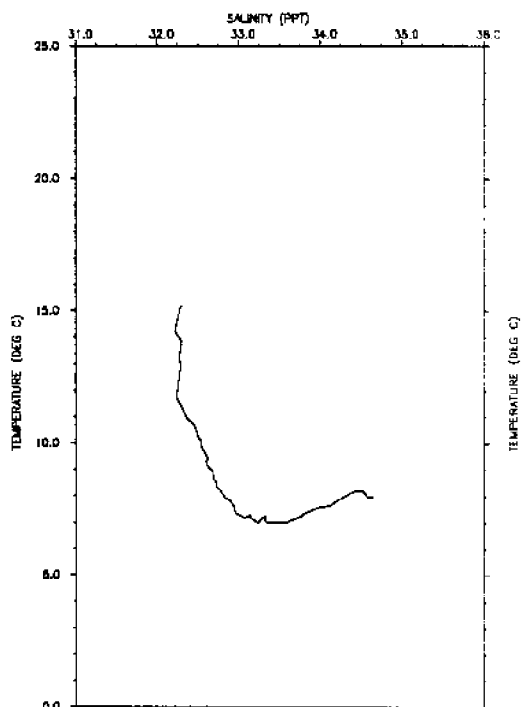
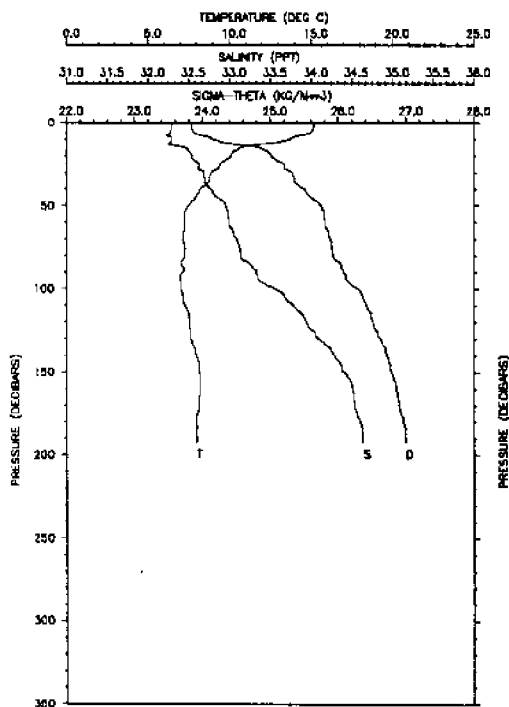




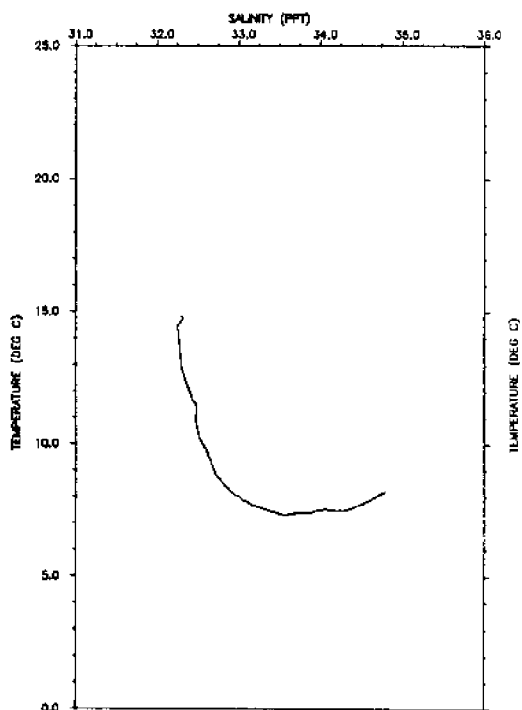
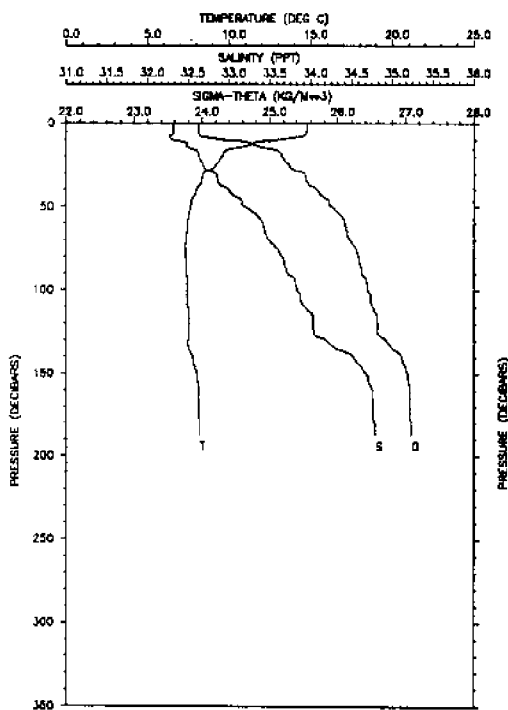
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /mt <sup>2</sup>	m/sec	cph	
0.0	15.19	32.35	15.19	23.89	400.9	0.000	1504	-4.58	Cruise EN165
10.0	14.69	32.06	14.69	23.78	411.7	0.040	1502	24.04	Station 72
20.0	10.40	32.41	10.39	24.86	308.3	0.075	1488	12.04	2 AUG 1987
30.0	9.03	32.63	9.03	25.26	270.6	0.104	1484	7.30	0652 UTC
40.0	8.65	32.77	8.64	25.43	254.6	0.130	1483	8.25	43 22.9 N
50.0	7.69	33.08	7.68	25.81	218.7	0.154	1480	10.75	67 42.1 W
60.0	7.46	33.28	7.46	26.00	200.6	0.174	1479	11.98	Depth 249 m
70.0	7.41	33.56	7.41	26.23	178.9	0.193	1480	5.1	
80.0	7.33	33.70	7.32	26.35	167.7	0.211	1480	3.1	
90.0	7.40	33.85	7.39	26.46	157.6	0.227	1480	4.8	
100.0	7.48	33.96	7.47	26.53	150.9	0.242	1481	6.1	
110.0	7.63	34.03	7.62	26.57	147.4	0.257	1482	2.6	
120.0	7.84	34.18	7.83	26.65	139.9	0.271	1483	4.8	
130.0	8.07	34.32	8.06	26.73	132.7	0.285	1484	5.1	
140.0	8.29	34.44	8.28	26.79	127.0	0.298	1485	-3.2	
150.0	8.54	34.55	8.53	26.84	123.0	0.311	1486	2.3	
160.0	8.61	34.57	8.59	26.85	122.4	0.323	1487	4.3	
170.0	8.55	34.58	8.53	26.86	121.1	0.335	1487	3.2	
180.0	8.50	34.66	8.48	26.93	114.8	0.347	1487	9.4	
190.0	8.66	34.71	8.64	26.94	114.0	0.358	1488	3.8	
200.0	8.66	34.75	8.64	26.98	110.6	0.369	1488	3.3	
210.0	8.68	34.79	8.66	27.01	108.4	0.380	1488	-0.8	
220.0	8.67	34.79	8.65	27.01	108.5	0.391	1488	0.4	
230.0	8.68	34.79	8.65	27.01	108.7	0.402	1489	0.9	
240.0	8.69	34.80	8.67	27.01	108.7	0.413	1489	1.0	
245.0	8.70	34.80	8.67	27.01	108.7	0.418	1489		



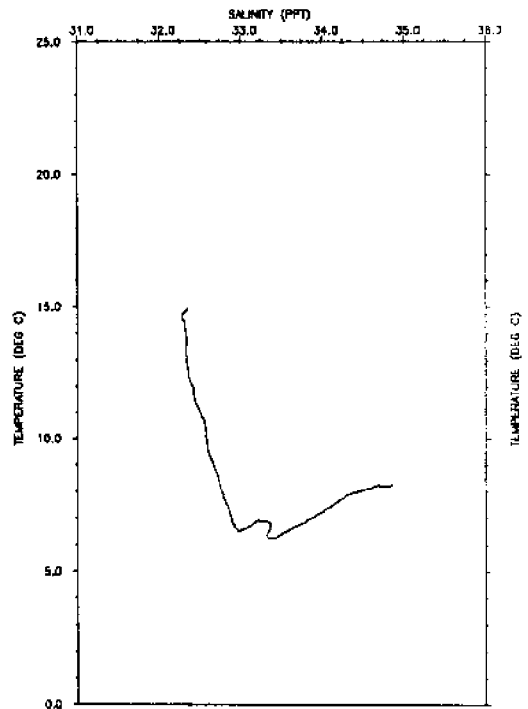
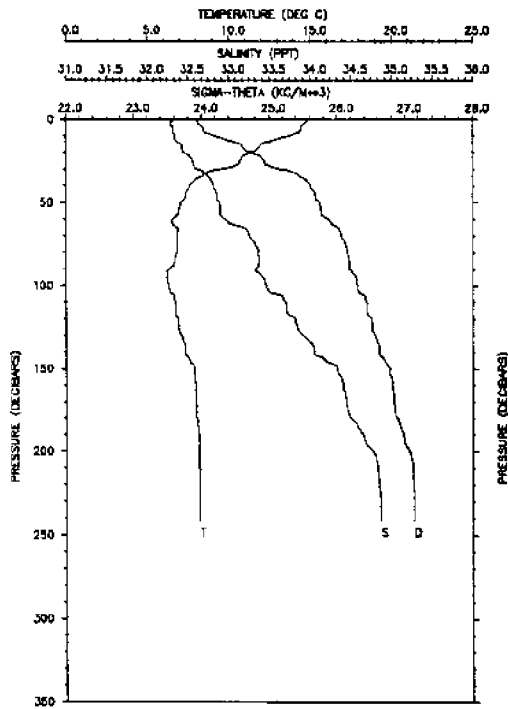
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/s+2	m/sec	cph	
0.0	15.41	32.30	15.41	23.81	408.5	0.000	1505	-0.72	Cruise EN165
10.0	15.02	32.20	15.02	23.81	408.4	0.041	1504	16.22	Station 73
20.0	12.11	32.28	12.11	24.46	346.8	0.079	1494	18.56	2 AUG 1987
30.0	9.55	32.62	9.55	25.17	279.6	0.110	1486	9.26	0815 UTC
40.0	9.16	32.75	9.15	25.33	264.0	0.137	1485	6.21	43 17.6 N
50.0	8.60	32.88	8.60	25.52	246.5	0.162	1483	7.43	67 31.4 W
60.0	7.61	33.20	7.61	25.92	208.7	0.185	1480	12.90	Depth 213 m
70.0	7.38	33.43	7.38	26.13	188.7	0.205	1479	2.3	
80.0	7.31	33.61	7.31	26.28	174.1	0.223	1479	5.3	
90.0	7.27	33.75	7.27	26.40	163.0	0.240	1480	2.8	
100.0	7.39	33.85	7.38	26.46	157.8	0.256	1480	5.1	
110.0	7.59	33.97	7.58	26.53	151.7	0.271	1481	0.9	
120.0	7.68	34.09	7.67	26.61	143.9	0.286	1482	5.9	
130.0	7.87	34.19	7.86	26.86	139.7	0.300	1483	2.5	
140.0	8.04	34.29	8.03	26.71	134.8	0.314	1484	2.5	
150.0	8.19	34.39	8.18	26.77	129.8	0.327	1485	4.9	
160.0	8.30	34.45	8.28	26.80	126.7	0.340	1486	5.6	
170.0	8.43	34.54	8.41	26.85	122.5	0.353	1486	5.4	
180.0	8.35	34.64	8.33	26.94	113.9	0.364	1486	2.8	
186.0	8.28	34.66	8.26	26.97	111.1	0.371	1486		



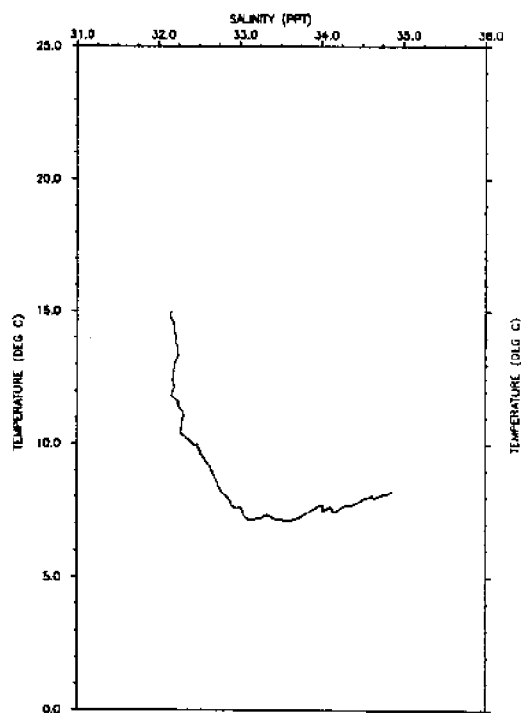
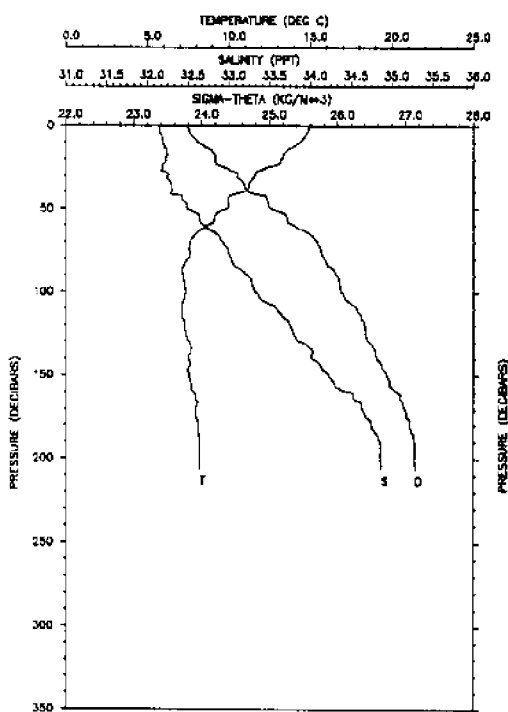
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	15.20	32.30	15.20	23.85	404.6	0.000	1504	0.82	Cruise EN165
10.0	13.74	32.29	13.74	24.15	376.0	0.040	1500	14.79	Station 74
20.0	10.10	32.54	10.10	25.02	293.6	0.072	1488	7.74	2 AUG 1987
30.0	8.90	32.68	8.90	25.32	264.7	0.100	1483	5.51	0922 UTC
40.0	8.18	32.78	8.18	25.51	247.2	0.126	1481	7.67	43 11.7 N
50.0	7.48	32.95	7.48	25.74	225.3	0.150	1479	8.90	67 20.3 W
60.0	7.30	32.99	7.29	25.80	219.6	0.172	1478	-1.33	Depth 196 m
70.0	7.19	33.09	7.18	25.89	211.0	0.193	1478	0.3	
80.0	7.28	33.14	7.27	25.92	208.4	0.214	1479	5.0	
90.0	7.17	33.32	7.17	26.08	193.9	0.234	1479	8.2	
100.0	7.00	33.56	6.99	26.29	174.1	0.253	1478	9.4	
110.0	7.30	33.78	7.29	26.42	162.0	0.270	1480	6.3	
120.0	7.55	33.94	7.54	26.51	153.2	0.285	1481	5.6	
130.0	7.64	34.09	7.63	26.61	143.7	0.300	1482	6.8	
140.0	7.97	34.29	7.95	26.72	133.8	0.314	1484	4.2	
150.0	8.18	34.42	8.15	26.79	127.2	0.327	1485	5.6	
160.0	8.19	34.51	8.18	26.86	120.9	0.339	1485	4.1	
170.0	8.12	34.54	8.10	26.90	117.5	0.351	1485	0.9	
180.0	7.98	34.60	7.98	26.97	111.2	0.363	1485	2.8	
190.0	7.99	34.64	7.97	26.99	109.0	0.374	1485	1.5	
192.0	7.99	34.64	7.97	27.00	108.9	0.376	1485		



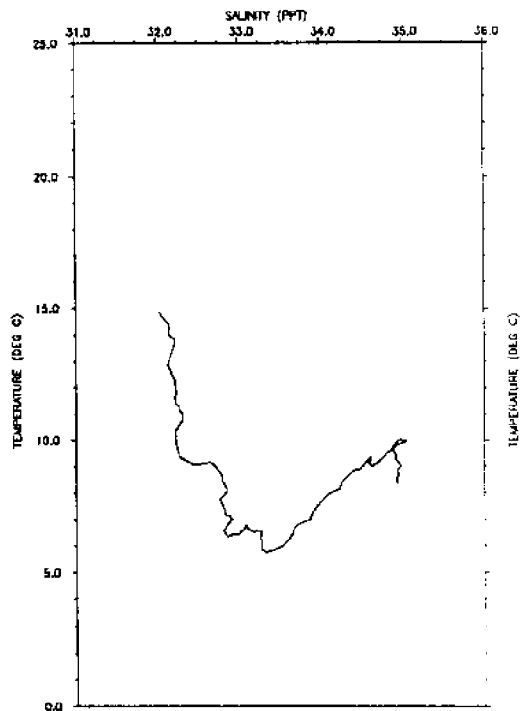
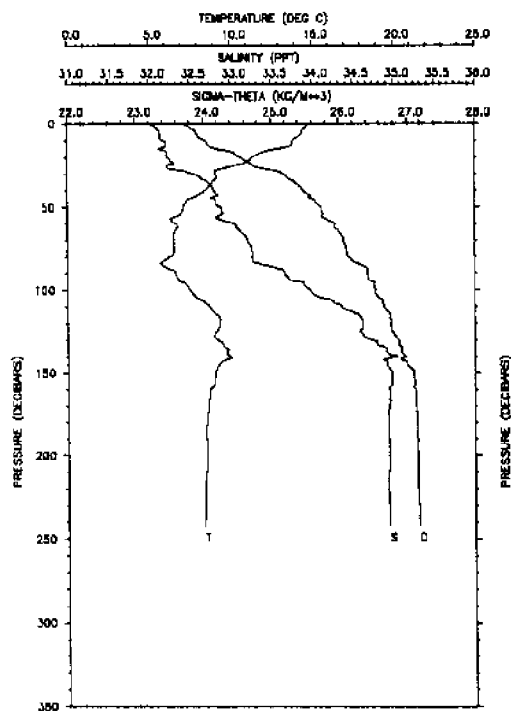
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	14.81	32.30	14.81	23.93	396.6	0.000	1503	6.40	Cruise EN165
10.0	12.83	32.31	12.83	24.34	357.8	0.039	1497	31.44	Station 75
20.0	9.58	32.63	9.58	25.17	278.8	0.069	1486	8.94	2 AUG 1987
30.0	8.42	32.84	8.42	25.51	246.3	0.096	1482	5.95	1030 UTC
40.0	7.99	33.00	7.99	25.71	228.3	0.120	1481	6.67	43 5.9 N
50.0	7.65	33.20	7.64	25.91	208.7	0.142	1480	10.66	67 10.0 W
60.0	7.45	33.41	7.45	26.11	190.5	0.162	1479	3.25	Depth 207 m
70.0	7.38	33.49	7.37	26.18	183.6	0.180	1479	6.8	
80.0	7.36	33.65	7.36	26.31	171.6	0.198	1480	2.2	
90.0	7.41	33.72	7.40	26.35	167.8	0.215	1480	9.2	
100.0	7.43	33.84	7.42	26.44	159.2	0.231	1481	4.6	
110.0	7.48	33.93	7.47	26.51	152.7	0.247	1481	5.9	
120.0	7.54	34.03	7.53	26.58	146.7	0.262	1481	-1.1	
130.0	7.49	34.20	7.47	26.72	133.5	0.276	1482	5.4	
140.0	7.76	34.52	7.74	26.94	113.4	0.288	1483	6.8	
150.0	8.02	34.69	8.01	27.03	105.1	0.299	1485	2.1	
160.0	8.14	34.75	8.12	27.06	101.9	0.310	1485	1.6	
170.0	8.16	34.76	8.14	27.07	101.6	0.320	1486	-0.6	
180.0	8.19	34.78	8.17	27.08	100.9	0.330	1486	-0.2	
187.0	8.20	34.79	8.18	27.08	100.4	0.337	1486		



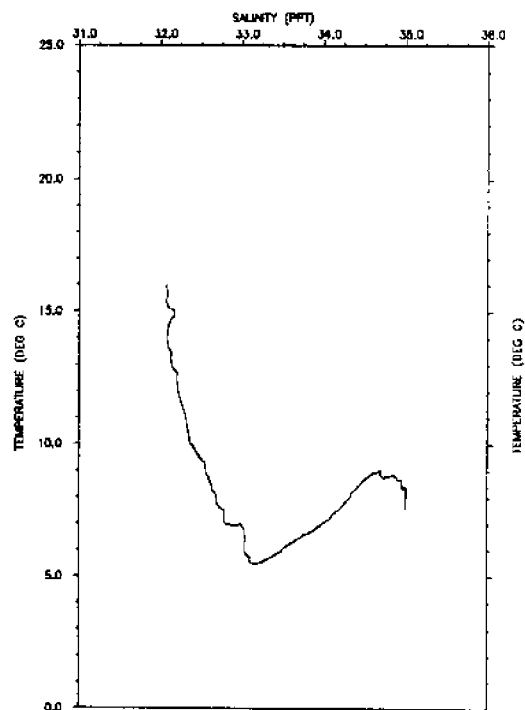
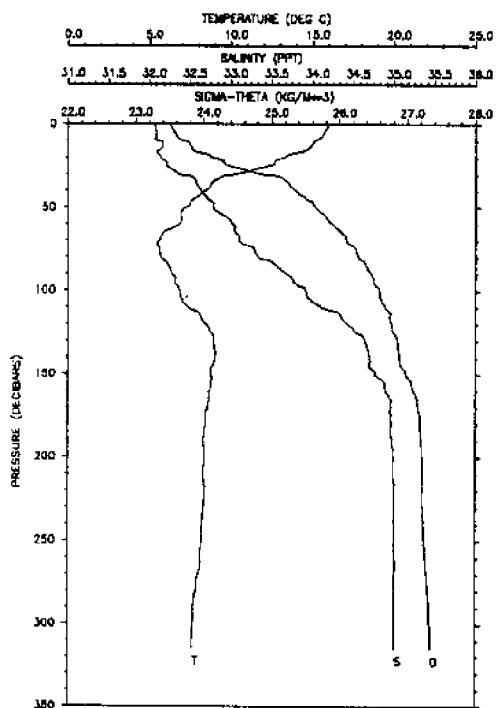
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	14.93	32.35	14.93	23.94	395.4	0.000	1503	-2.18	Cruise EN165
10.0	13.74	32.35	13.74	24.19	372.1	0.039	1500	14.96	Station 76
20.0	11.35	32.46	11.34	24.73	320.5	0.073	1492	13.70	2 AUG 1987
30.0	9.46	32.60	9.46	25.17	279.1	0.103	1485	20.13	2100 UTC
40.0	7.64	32.82	7.64	25.61	237.3	0.128	1479	3.50	42 57.3 N
50.0	7.09	32.90	7.08	25.75	224.0	0.151	1477	3.25	67 10.9 W
60.0	6.53	32.97	6.52	25.88	211.6	0.174	1475	7.22	Depth 250 m
70.0	6.86	33.26	6.86	26.07	194.5	0.194	1477	4.2	
80.0	6.84	33.36	6.83	26.15	186.4	0.213	1477	3.4	
90.0	6.42	33.33	6.41	26.18	183.7	0.231	1476	9.2	
100.0	6.33	33.46	6.32	26.30	172.8	0.249	1476	2.0	
110.0	6.73	33.70	6.72	26.43	160.1	0.265	1478	3.4	
120.0	6.90	33.82	6.89	26.50	153.7	0.281	1479	-2.2	
130.0	7.09	33.92	7.08	26.56	149.0	0.296	1480	5.1	
140.0	7.36	34.05	7.35	26.62	143.0	0.311	1481	-0.5	
150.0	7.90	34.34	7.89	26.77	129.2	0.324	1484	-1.1	
160.0	7.97	34.41	7.96	26.81	125.3	0.337	1484	-1.5	
170.0	8.00	34.44	7.98	26.84	123.3	0.350	1485	2.3	
180.0	8.06	34.51	8.04	26.89	118.9	0.362	1485	5.3	
190.0	8.19	34.65	8.17	26.98	110.7	0.373	1486	3.4	
200.0	8.21	34.78	8.19	27.07	102.1	0.384	1486	4.5	
210.0	8.22	34.84	8.19	27.12	97.6	0.394	1487	2.1	
220.0	8.23	34.86	8.21	27.13	96.9	0.404	1487	-1.3	
230.0	8.24	34.87	8.22	27.14	96.2	0.413	1487	-0.9	
240.0	8.25	34.87	8.22	27.14	96.4	0.423	1487	-0.6	
241.0	8.25	34.87	8.22	27.14	96.4	0.424	1487		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	14.97	32.16	14.97	23.79	410.2	0.000	1503	4.87	Cruise EN165
10.0	14.36	32.19	14.35	23.95	395.5	0.040	1501	10.35	Station 77
20.0	13.25	32.23	13.24	24.20	371.4	0.076	1498	4.53	2 AUG 1987
30.0	11.61	32.25	11.61	24.53	340.3	0.114	1493	-4.76	2207 UTC
40.0	10.88	32.29	10.87	24.69	325.4	0.147	1490	15.55	42 48.8 N
50.0	9.86	32.49	9.86	25.02	294.2	0.178	1487	16.52	67 11.7 W
60.0	8.73	32.69	8.72	25.36	261.9	0.205	1483	12.25	Depth 214 m
70.0	7.61	32.92	7.61	25.70	229.3	0.229	1480	5.5	
80.0	7.47	33.03	7.46	25.80	219.5	0.252	1479	5.6	
90.0	7.22	33.23	7.21	26.00	201.2	0.273	1479	6.8	
100.0	7.33	33.32	7.32	26.05	196.4	0.293	1479	9.9	
110.0	7.14	33.56	7.13	26.28	174.5	0.311	1479	4.9	
120.0	7.30	33.75	7.29	26.40	164.1	0.328	1480	3.5	
130.0	7.51	33.87	7.50	26.46	158.0	0.344	1481	9.9	
140.0	7.51	34.02	7.49	26.58	147.3	0.359	1482	7.3	
150.0	7.57	34.22	7.55	26.73	133.0	0.373	1482	4.2	
160.0	7.86	34.49	7.84	26.90	117.2	0.386	1484	5.6	
170.0	7.99	34.63	7.97	26.99	109.1	0.397	1485	6.8	
180.0	8.08	34.74	8.07	27.06	102.2	0.408	1485	3.6	
190.0	8.19	34.85	8.17	27.13	95.8	0.418	1486	2.6	
200.0	8.20	34.86	8.18	27.14	95.7	0.427	1486	1.3	
206.0	8.22	34.87	8.20	27.14	95.4	0.433	1487		

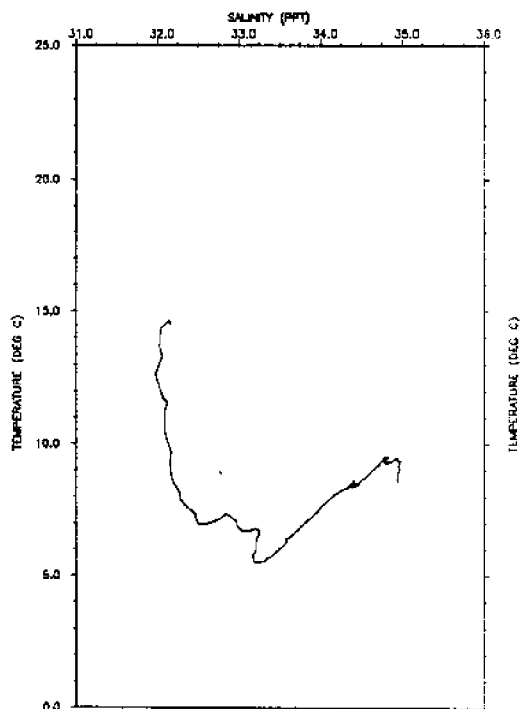
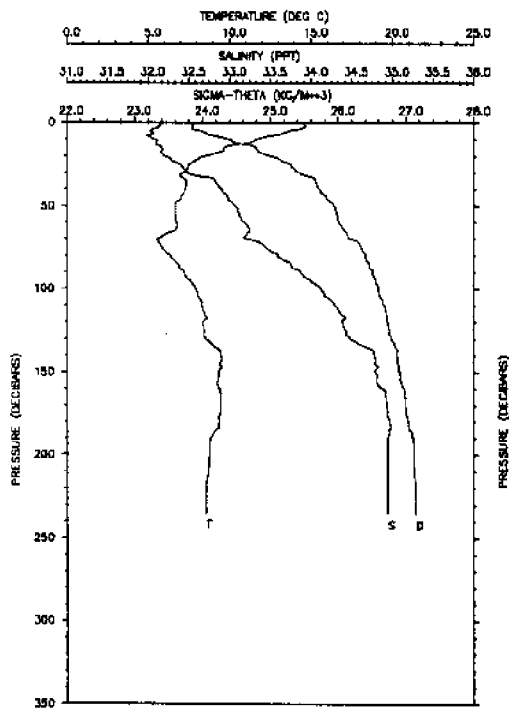


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	14.88	32.03	14.88	23.71	417.9	0.000	1503	11.96	Cruise EN165
10.0	13.85	32.19	13.85	24.05	385.4	0.040	1500	6.03	Station 78
20.0	11.34	32.23	11.34	24.58	337.0	0.077	1492	11.48	2 AUG 1987
30.0	9.09	32.55	9.08	25.18	277.9	0.108	1484	11.84	2315 UTC
40.0	8.45	32.80	8.45	25.48	249.8	0.134	1482	11.00	42 40.7 N
50.0	7.13	32.89	7.12	25.74	225.1	0.158	1477	5.65	67 13.0 W
60.0	6.66	33.07	6.66	25.94	205.8	0.180	1476	-4.63	Depth 257 m
70.0	6.57	33.22	6.56	26.07	193.7	0.200	1476	3.0	
80.0	6.29	33.27	6.28	26.15	186.6	0.219	1475	9.4	
90.0	6.66	33.67	6.65	26.42	161.4	0.236	1477	4.2	
100.0	7.55	33.98	7.54	26.54	150.2	0.251	1481	-3.6	
110.0	8.73	34.36	8.72	26.66	139.1	0.266	1486	7.6	
120.0	9.37	34.62	9.36	26.77	129.6	0.279	1489	2.6	
130.0	9.24	34.74	9.22	26.88	119.3	0.292	1489	7.1	
140.0	9.97	35.05	9.96	27.00	108.3	0.303	1492	-15.9	
150.0	9.05	34.98	9.03	27.10	98.5	0.314	1489	2.4	
160.0	8.74	34.94	8.72	27.12	96.8	0.324	1488	5.5	
170.0	8.66	34.95	8.64	27.13	95.6	0.334	1488	3.1	
180.0	8.54	34.94	8.52	27.15	94.4	0.343	1487	-0.4	
190.0	8.53	34.94	8.51	27.15	94.5	0.353	1488	3.0	
200.0	8.55	34.95	8.53	27.15	94.4	0.362	1488	-0.6	
210.0	8.50	34.94	8.47	27.15	94.4	0.371	1488	-1.7	
220.0	8.43	34.94	8.41	27.16	93.8	0.381	1488	1.2	
230.0	8.44	34.95	8.42	27.17	93.4	0.390	1488	1.6	
240.0	8.39	34.95	8.37	27.18	92.8	0.399	1488	0.4	
242.0	8.39	34.95	8.36	27.18	92.7	0.401	1488		

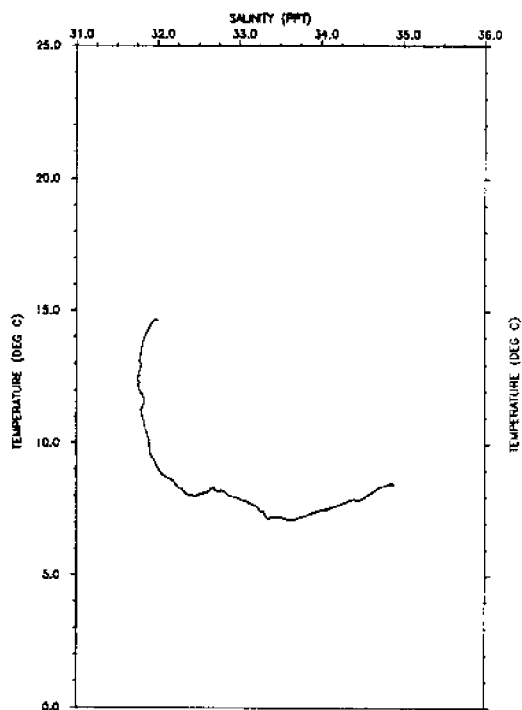
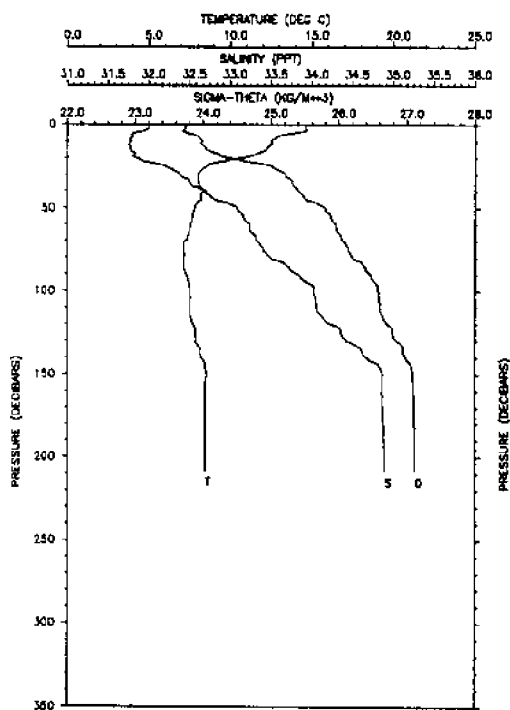


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	16.03	32.08	16.03	23.49	438.4	0.000	1506	5.61	Cruise EN165
10.0	15.13	32.10	15.13	23.71	418.3	0.043	1504	15.74	Station 79
20.0	13.25	32.13	13.24	24.12	378.6	0.083	1498	17.71	3 AUG 1987
30.0	10.05	32.37	10.05	24.89	305.8	0.118	1487	25.68	0015 UTC
40.0	8.41	32.64	8.41	25.38	261.0	0.145	1482	9.09	42 31.1 N
50.0	7.20	32.79	7.20	25.65	233.9	0.170	1477	8.25	67 13.0 W
60.0	6.81	33.04	6.80	25.90	210.3	0.192	1476	8.08	Depth 326 m
70.0	5.58	33.10	5.58	26.10	190.7	0.212	1472	8.2	
80.0	5.72	33.34	5.71	26.28	174.4	0.230	1473	8.0	
90.0	6.41	33.68	6.41	26.45	157.8	0.246	1476	8.3	
100.0	6.85	33.92	6.84	26.59	145.6	0.262	1478	4.9	
110.0	7.35	34.11	7.34	26.67	138.0	0.276	1481	9.1	
120.0	8.45	34.43	8.44	26.76	129.7	0.289	1485	6.6	
130.0	8.93	34.65	8.92	26.86	121.2	0.302	1488	2.9	
140.0	9.06	34.70	9.04	26.88	119.4	0.314	1488	4.0	
150.0	8.79	34.78	8.78	26.98	109.9	0.325	1488	5.6	
160.0	8.71	34.90	8.69	27.09	99.5	0.335	1488	8.0	
170.0	8.57	34.96	8.55	27.16	93.1	0.345	1487	2.3	
180.0	8.45	34.97	8.43	27.18	91.0	0.354	1487	-2.1	
190.0	8.37	34.98	8.35	27.20	89.3	0.363	1487	2.5	
200.0	8.38	35.00	8.36	27.22	88.2	0.372	1487	-0.9	
210.0	8.38	35.00	8.33	27.22	88.0	0.381	1487	-0.7	
220.0	8.40	35.01	8.38	27.22	87.9	0.390	1488	0.9	
230.0	8.36	35.01	8.34	27.23	87.8	0.398	1488	2.6	
240.0	8.26	35.01	8.24	27.24	86.5	0.407	1487	1.7	
250.0	8.23	35.01	8.20	27.25	86.0	0.416	1487	0.9	
260.0	8.12	35.01	8.09	27.27	84.7	0.424	1487	3.0	
270.0	8.02	35.01	7.99	27.28	83.1	0.433	1487	-1.4	
280.0	7.89	35.01	7.87	27.30	81.9	0.441	1487	3.2	
290.0	7.73	35.00	7.70	27.32	79.9	0.449	1486	1.5	
300.0	7.68	35.00	7.65	27.33	79.4	0.457	1486	3.2	
310.0	7.65	35.00	7.62	27.33	78.8	0.465	1486	-0.9	
315.0	7.63	35.00	7.60	27.34	78.7	0.469	1486		

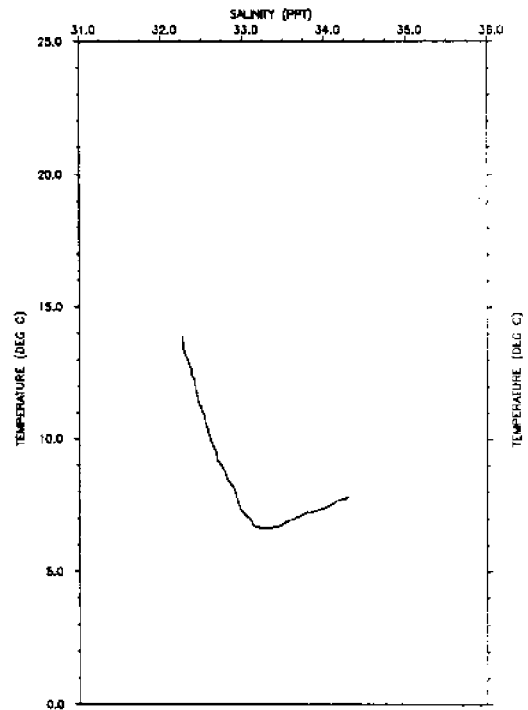
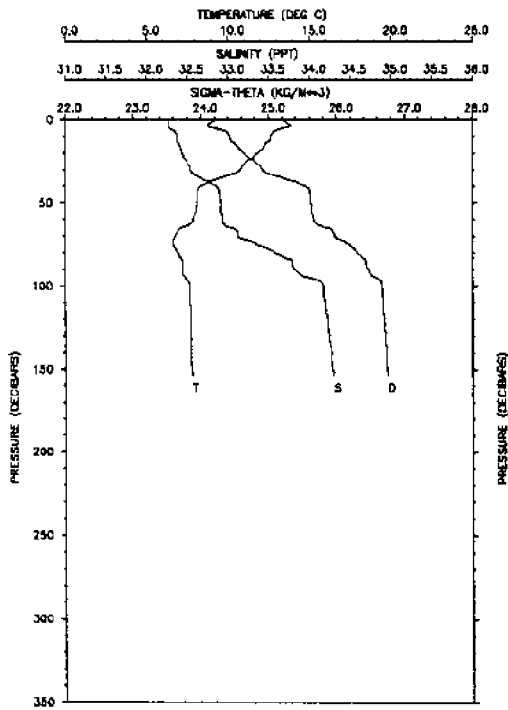




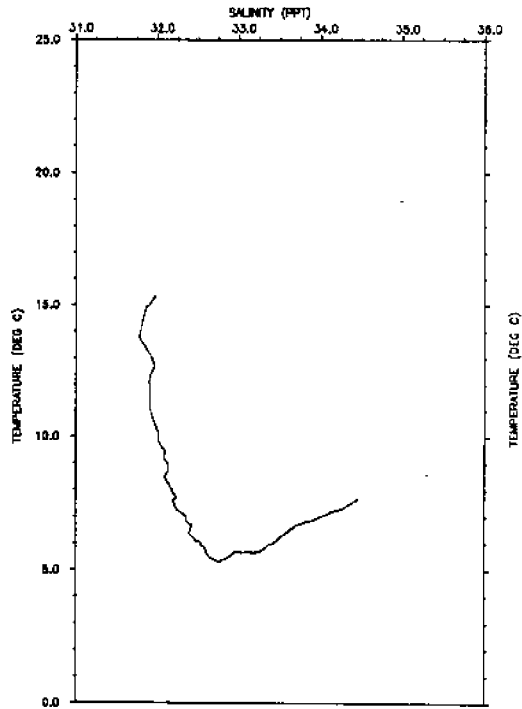
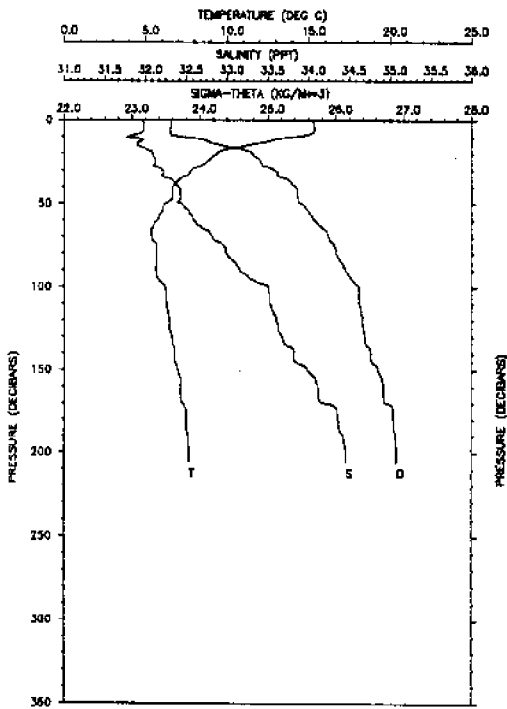
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	14.53	32.16	14.53	23.89	400.9	0.000	1502	-7.45	Cruise EN165
10.0	11.68	32.07	11.68	24.38	354.4	0.039	1492	13.56	Station 80
20.0	8.55	32.19	8.55	24.99	296.2	0.071	1481	18.22	3 AUG 1987
30.0	7.12	32.48	7.11	25.42	255.3	0.098	1478	11.57	0152 UTC
40.0	7.27	32.90	7.26	25.73	226.1	0.122	1478	6.69	42 42.0 N
50.0	6.71	33.07	6.70	25.94	206.1	0.144	1476	7.18	67 6.9 W
60.0	6.75	33.18	6.75	26.02	199.0	0.164	1476	6.85	Depth 240 m
70.0	5.52	33.20	5.51	26.19	182.8	0.183	1472	16.3	
80.0	6.40	33.58	6.39	26.38	164.3	0.200	1476	4.5	
90.0	7.20	33.88	7.19	26.51	153.0	0.216	1479	3.6	
100.0	7.93	34.13	7.92	26.60	144.6	0.231	1483	-2.7	
110.0	8.28	34.29	8.27	26.68	137.6	0.245	1484	8.0	
120.0	8.36	34.38	8.34	26.74	132.1	0.258	1485	4.0	
130.0	8.53	34.48	8.52	26.79	127.6	0.271	1486	5.7	
140.0	9.48	34.78	9.47	26.87	120.3	0.284	1490	2.4	
150.0	9.30	34.80	9.28	26.92	116.0	0.295	1489	-4.3	
160.0	9.35	34.89	9.33	26.98	110.7	0.307	1490	4.8	
170.0	9.48	34.94	9.46	26.99	109.1	0.318	1491	2.3	
180.0	9.36	34.97	9.34	27.04	105.1	0.329	1490	3.2	
190.0	8.82	34.95	8.80	27.11	98.5	0.339	1489	3.3	
200.0	8.78	34.95	8.76	27.12	97.9	0.349	1489	1.3	
210.0	8.71	34.95	8.69	27.13	97.1	0.358	1489	1.4	
220.0	8.58	34.95	8.56	27.15	95.4	0.368	1488	-1.1	
230.0	8.56	34.95	8.54	27.15	95.2	0.378	1488	-1.2	
235.0	8.56	34.95	8.54	27.15	95.3	0.382	1488		



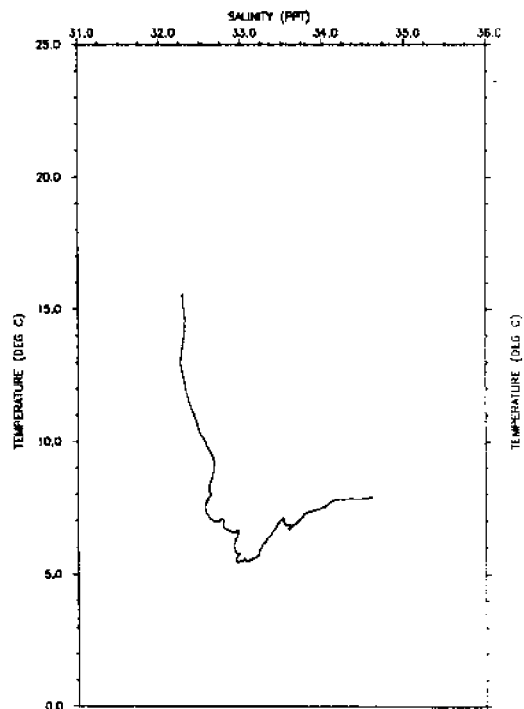
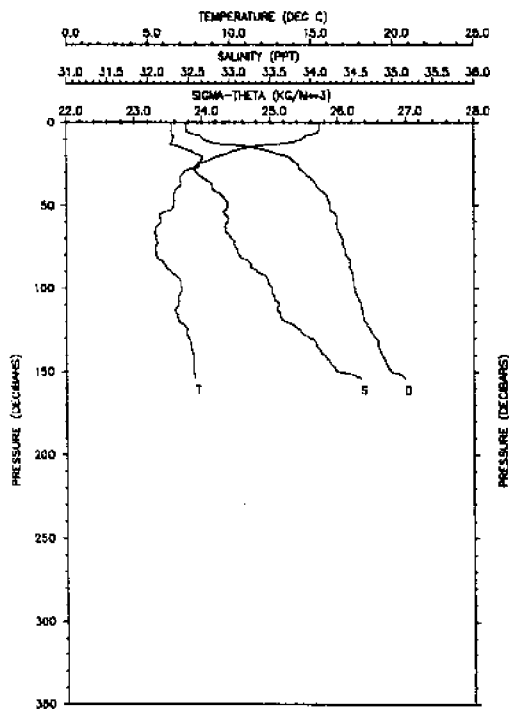
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	14.62	31.99	14.62	23.73	415.5	0.000	1502	4.73	Cruise EN165
10.0	12.55	31.79	12.55	23.99	390.9	0.041	1495	-8.63	Station 81
20.0	10.64	31.85	10.64	24.38	353.8	0.079	1489	20.44	3 AUG 1987
30.0	8.05	32.39	8.05	25.21	274.9	0.109	1480	4.51	0307 UTC
40.0	8.37	32.70	8.37	25.42	255.9	0.136	1482	6.56	42 51.9 N
50.0	7.83	33.08	7.83	25.79	220.0	0.160	1480	4.77	66 59.9 W
60.0	7.55	33.24	7.54	25.96	204.4	0.181	1480	2.31	Depth 211 m
70.0	7.21	33.33	7.21	26.07	193.9	0.201	1479	9.4	
80.0	7.19	33.49	7.19	26.20	181.7	0.220	1479	9.3	
90.0	7.30	33.83	7.29	26.45	158.1	0.237	1480	8.2	
100.0	7.52	34.02	7.51	26.58	146.5	0.252	1481	2.8	
110.0	7.55	34.06	7.54	26.60	144.3	0.266	1481	2.4	
120.0	7.71	34.24	7.70	26.72	133.5	0.280	1482	11.6	
130.0	7.88	34.43	7.87	26.84	121.9	0.293	1483	11.7	
140.0	8.25	34.68	8.24	26.99	108.8	0.304	1485	2.8	
150.0	8.54	34.87	8.53	27.09	99.3	0.315	1487	2.9	
160.0	8.46	34.86	8.44	27.10	98.4	0.324	1487	1.4	
170.0	8.46	34.87	8.44	27.11	98.2	0.334	1487	1.5	
180.0	8.46	34.88	8.44	27.11	97.8	0.344	1487	1.6	
190.0	8.46	34.89	8.44	27.12	97.3	0.354	1487	-0.8	
200.0	8.47	34.89	8.45	27.12	97.5	0.364	1487	-0.8	
208.0	8.47	34.89	8.45	27.12	97.6	0.371	1488		



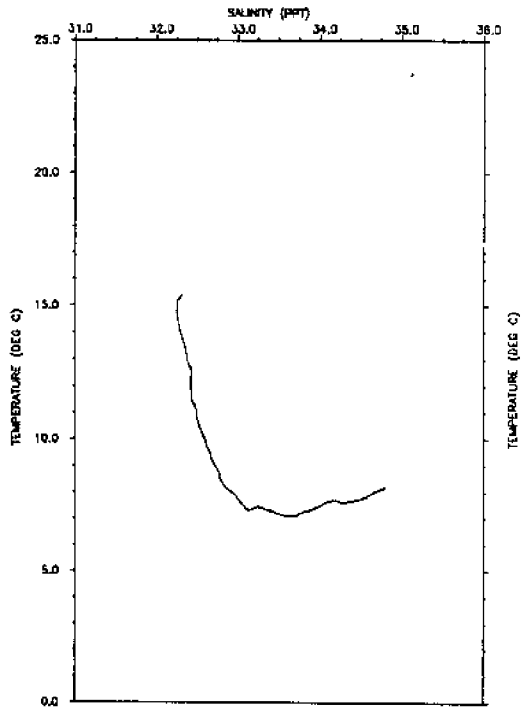
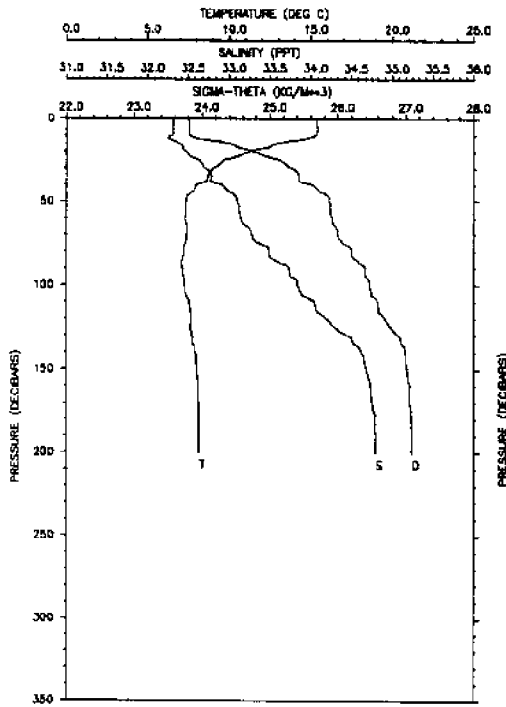
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	13.30	32.29	13.30	24.23	367.8	0.000	1498	-10.87	Cruise EN165
10.0	12.66	32.38	12.66	24.43	349.2	0.037	1496	4.49	Station 82
20.0	11.81	32.44	11.81	24.64	329.7	0.071	1493	7.86	3 AUG 1987
30.0	10.77	32.55	10.77	24.91	304.3	0.102	1490	8.24	0437 UTC
40.0	8.33	32.85	8.32	25.54	243.9	0.130	1482	11.77	43 3.1 N
50.0	8.12	32.91	8.12	25.62	236.9	0.154	1481	4.50	66 51.4 W
60.0	7.90	32.93	7.89	25.67	232.3	0.177	1480	3.37	Depth 158 m
70.0	6.78	33.12	6.78	25.97	203.4	0.199	1477	7.6	
80.0	6.92	33.57	6.91	26.30	172.0	0.217	1478	11.5	
90.0	7.23	33.83	7.22	26.47	156.8	0.233	1480	6.2	
100.0	7.67	34.17	7.66	26.68	137.3	0.248	1482	1.1	
110.0	7.69	34.19	7.68	26.69	136.6	0.262	1482	1.5	
120.0	7.72	34.22	7.71	26.71	134.8	0.275	1482	1.0	
130.0	7.74	34.24	7.72	26.72	133.8	0.289	1483	1.6	
140.0	7.77	34.27	7.76	26.74	132.2	0.302	1483	0.5	
150.0	7.79	34.28	7.78	26.74	131.7	0.315	1483	3.4	
154.0	7.81	34.30	7.80	26.75	130.8	0.320	1483		



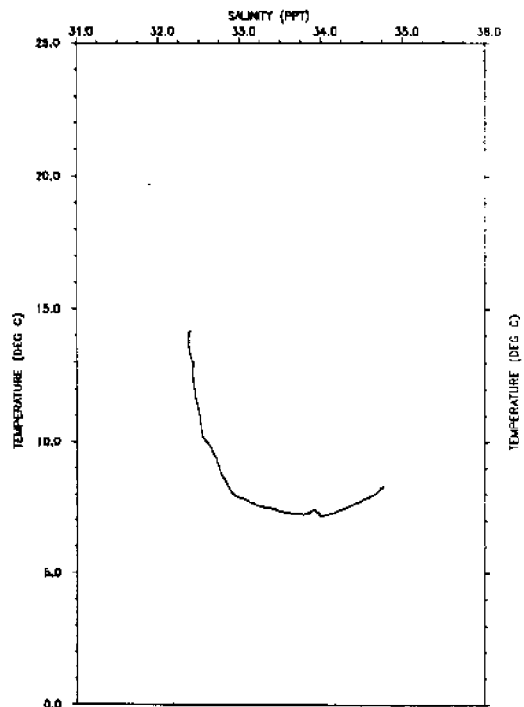
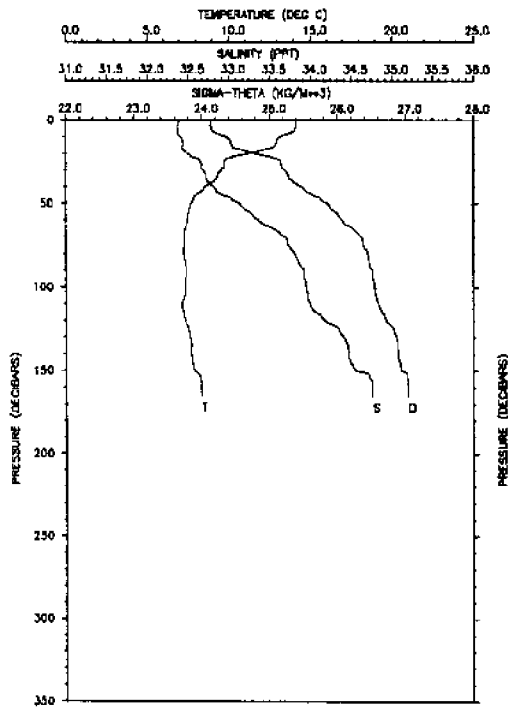
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/st+2	m/sec	cph	
0.0	15.30	31.97	15.30	23.57	430.8	0.000	1504	0.82	Cruise EN165
10.0	13.80	31.77	13.79	23.74	415.3	0.043	1498	28.08	Station 83
20.0	9.40	32.09	9.40	24.78	315.9	0.079	1484	7.59	3 AUG 1987
30.0	7.81	32.21	7.81	25.11	284.9	0.109	1479	9.76	0715 UTC
40.0	6.70	32.40	6.70	25.41	255.9	0.136	1475	6.35	43 4.9 N
50.0	6.18	32.45	6.18	25.52	246.0	0.161	1473	7.27	67 29.9 W
60.0	5.68	32.60	5.68	25.69	229.6	0.185	1471	9.90	Depth 210 m
70.0	5.41	32.82	5.40	25.90	209.9	0.207	1471	4.6	
80.0	5.69	32.99	5.68	26.01	200.1	0.227	1472	4.7	
90.0	5.66	33.16	5.66	26.14	187.7	0.247	1473	8.7	
100.0	6.23	33.50	6.22	26.34	168.7	0.264	1475	2.2	
110.0	6.31	33.53	6.30	26.35	167.5	0.281	1476	3.1	
120.0	6.48	33.61	6.47	26.39	164.0	0.298	1477	1.6	
130.0	6.62	33.68	6.61	26.43	160.9	0.314	1478	-2.3	
140.0	6.82	33.82	6.81	26.51	153.0	0.330	1479	-0.5	
150.0	6.99	33.98	6.98	26.62	143.2	0.345	1480	6.7	
160.0	7.18	34.11	7.16	26.70	135.9	0.359	1481	1.8	
170.0	7.25	34.21	7.23	26.76	130.2	0.372	1481	14.0	
180.0	7.51	34.36	7.50	26.85	122.3	0.384	1483	2.1	
190.0	7.61	34.43	7.59	26.88	119.3	0.397	1483	1.6	
200.0	7.67	34.46	7.65	26.90	117.9	0.408	1484	-0.1	
205.0	7.67	34.46	7.65	26.90	117.9	0.414	1484		



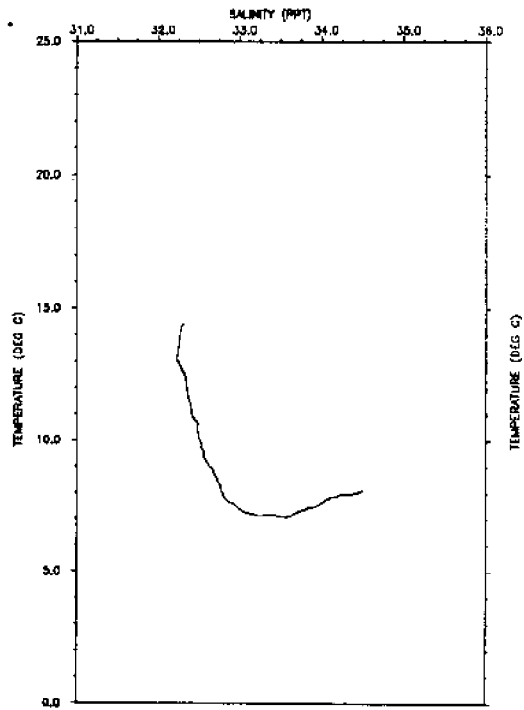
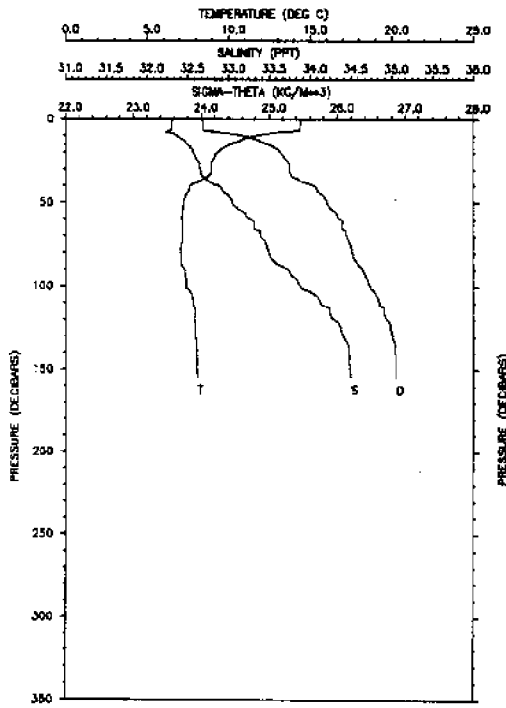
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	m³/kg	10m²/s²	m/sec	cph	
0.0	15.54	32.30	15.54	23.77	411.9	0.000	1505	-1.02	Cruise EN165
10.0	14.47	32.32	14.47	24.02	388.7	0.041	1502	11.92	Station 84
20.0	9.44	32.65	9.43	25.21	275.0	0.074	1485	15.03	3 AUG 1987
30.0	7.22	32.60	7.22	25.50	247.8	0.099	1477	7.55	0815 UTC
40.0	6.75	32.79	6.75	25.71	227.4	0.123	1476	8.88	43 6.0 N
50.0	6.60	32.98	6.60	25.88	211.8	0.145	1475	3.47	67 20.0 W
60.0	5.79	32.99	5.79	25.99	201.4	0.165	1472	-6.00	Depth 197 m
70.0	5.53	33.04	5.53	26.06	195.0	0.185	1472	5.3	
80.0	5.55	33.12	5.54	26.12	189.0	0.205	1472	6.0	
90.0	6.38	33.34	6.37	26.20	182.3	0.223	1476	5.8	
100.0	7.11	33.53	7.10	26.25	177.9	0.241	1479	2.2	
110.0	6.86	33.60	6.86	26.34	169.2	0.258	1478	-0.6	
120.0	6.90	33.68	6.88	26.39	164.2	0.275	1479	10.5	
130.0	7.49	33.99	7.47	26.56	149.0	0.291	1481	9.5	
140.0	7.79	34.17	7.77	26.65	140.2	0.305	1483	5.5	
150.0	7.83	34.34	7.81	26.78	127.9	0.319	1483	16.6	
154.0	7.91	34.61	7.89	26.99	109.1	0.323	1484		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/st+2	m/sec	cph	
0.0	15.38	32.31	15.38	23.82	407.3	0.000	1505	-1.49	Cruise EN165
10.0	15.34	32.30	15.33	23.82	407.3	0.041	1505	3.39	Station 85
20.0	11.19	32.48	11.19	24.78	316.0	0.077	1491	12.49	3 AUG 1987
30.0	9.00	32.72	8.99	25.33	283.8	0.106	1484	10.98	0907 UTC
40.0	8.01	32.92	8.01	25.64	234.6	0.131	1481	8.64	43 6.0 N
50.0	7.38	33.10	7.37	25.87	212.5	0.153	1479	3.71	67 10.0 W
60.0	7.32	33.15	7.31	25.92	208.6	0.174	1479	2.82	Depth 207 m
70.0	7.42	33.28	7.41	26.01	200.3	0.195	1479	4.2	
80.0	7.21	33.49	7.20	26.20	181.9	0.214	1479	2.5	
90.0	7.11	33.72	7.10	26.40	163.1	0.231	1479	3.9	
100.0	7.27	33.84	7.26	26.47	156.5	0.247	1480	3.2	
110.0	7.55	34.05	7.54	26.59	145.1	0.263	1481	-2.6	
120.0	7.68	34.19	7.66	26.69	136.7	0.277	1482	8.7	
130.0	7.70	34.45	7.69	26.89	117.6	0.290	1483	8.8	
140.0	7.94	34.63	7.92	26.99	108.2	0.301	1484	4.1	
150.0	8.03	34.68	8.01	27.02	105.6	0.312	1485	3.7	
160.0	8.10	34.74	8.09	27.05	102.7	0.322	1485	2.1	
170.0	8.13	34.76	8.11	27.07	101.7	0.332	1485	2.9	
180.0	8.15	34.78	8.13	27.09	100.2	0.342	1486	1.5	
190.0	8.18	34.79	8.14	27.09	99.9	0.352	1486	-0.9	
200.0	8.18	34.79	8.14	27.09	100.1	0.362	1486		

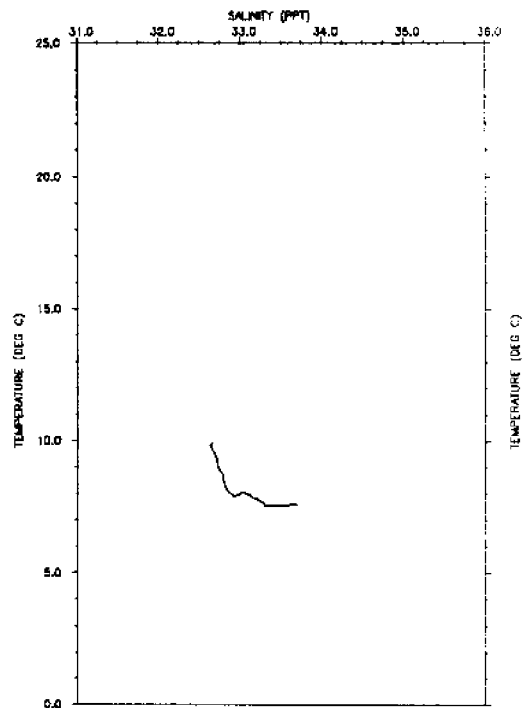
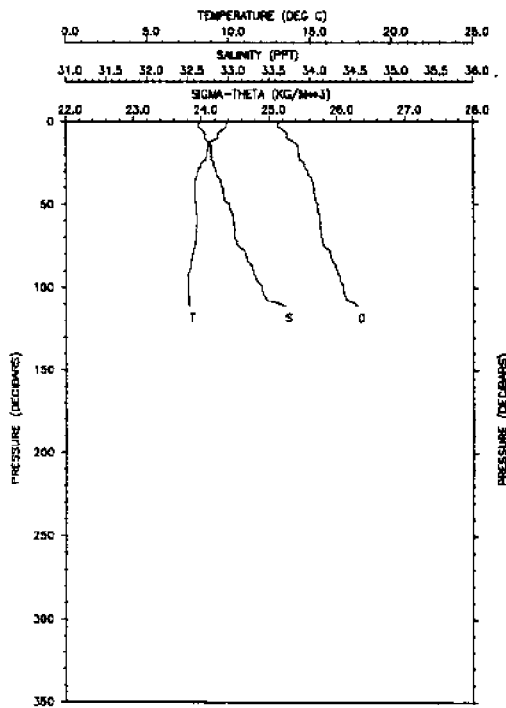


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	m³/kg	10m²/st²	m/sec	cph	
0.0	14.18	32.40	14.18	24.14	376.6	0.000	1501	-3.74	Cruise EN165
10.0	13.08	32.42	13.08	24.38	354.3	0.037	1498	9.46	Station 86
20.0	11.13	32.50	11.13	24.81	313.7	0.072	1491	15.98	3 AUG 1987
30.0	9.52	32.69	9.52	25.23	273.9	0.100	1486	6.95	1000 UTC
40.0	8.53	32.82	8.53	25.48	249.5	0.127	1482	9.04	43 8.0 N
50.0	7.69	33.14	7.69	25.86	214.0	0.150	1480	7.65	67 0.0 W
60.0	7.48	33.37	7.47	26.07	194.1	0.170	1479	6.88	Depth 173 m
70.0	7.27	33.70	7.27	26.36	166.9	0.188	1479	5.2	
80.0	7.28	33.81	7.25	26.45	158.7	0.205	1479	4.3	
90.0	7.42	33.93	7.41	26.52	151.9	0.220	1480	2.7	
100.0	7.33	33.95	7.32	26.55	149.0	0.235	1480	3.0	
110.0	7.14	33.99	7.13	26.61	143.7	0.250	1480	3.5	
120.0	7.34	34.18	7.33	26.73	132.8	0.264	1481	6.6	
130.0	7.65	34.42	7.63	26.87	119.3	0.276	1483	3.4	
140.0	7.73	34.47	7.72	26.90	116.8	0.288	1483	2.4	
150.0	7.86	34.56	7.84	26.95	112.1	0.300	1484	13.3	
160.0	8.32	34.77	8.30	27.05	103.6	0.310	1486	-1.4	
165.0	8.32	34.77	8.30	27.05	103.6	0.315	1486		

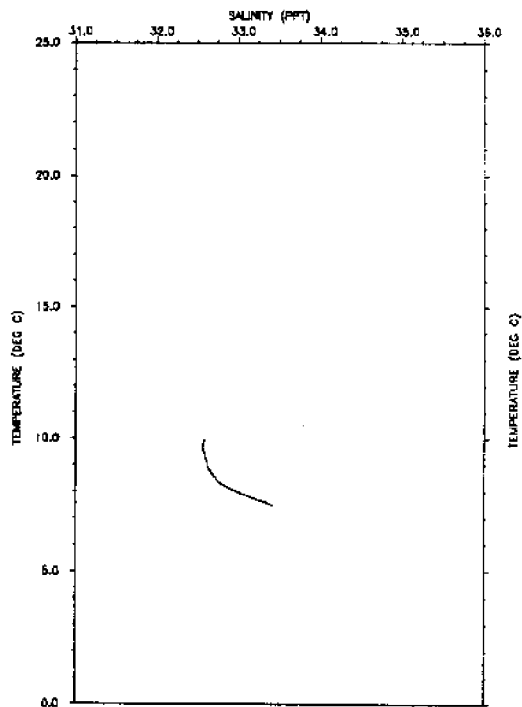
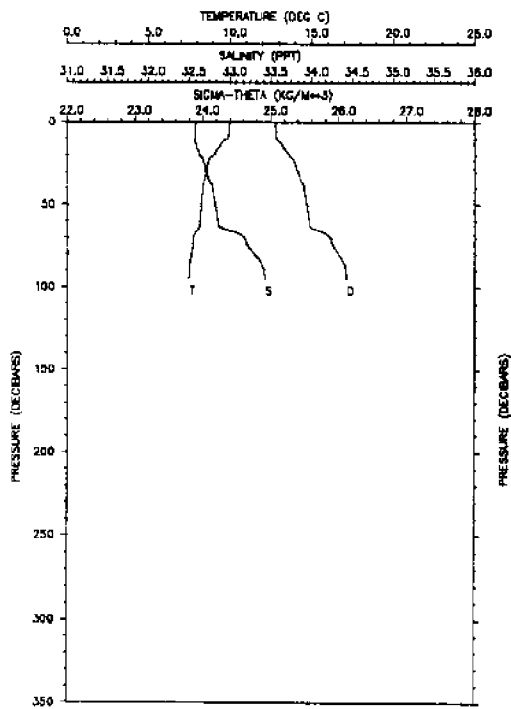


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/st+2	m/sec	cph	
0.0	14.42	32.30	14.42	24.02	388.5	0.000	1502	2.51	Cruise EN165
10.0	11.68	32.38	11.68	24.60	333.0	0.038	1493	17.53	Station 87
20.0	9.32	32.57	9.32	25.17	279.1	0.068	1485	5.94	3 AUG 1987
30.0	8.95	32.66	8.95	25.29	267.6	0.095	1484	3.95	1045 UTC
40.0	7.62	32.88	7.61	25.67	232.0	0.121	1479	8.32	43 11.0 N
50.0	7.28	33.04	7.27	25.84	215.5	0.143	1478	5.24	66 52.0 W
60.0	7.13	33.28	7.12	26.05	196.2	0.164	1478	9.87	Depth 158 m
70.0	7.14	33.39	7.14	26.14	187.8	0.183	1478	6.4	
80.0	7.09	33.49	7.08	26.22	179.9	0.201	1478	4.7	
90.0	7.30	33.73	7.30	26.38	165.0	0.218	1480	5.3	
100.0	7.44	33.88	7.43	26.48	155.8	0.234	1481	5.5	
110.0	7.83	34.13	7.82	26.62	143.0	0.249	1483	5.3	
120.0	7.94	34.31	7.93	26.74	131.7	0.263	1483	9.0	
130.0	8.00	34.41	7.98	26.81	125.2	0.276	1484	5.0	
140.0	8.06	34.48	8.04	26.86	121.0	0.288	1484	3.5	
150.0	8.07	34.49	8.05	26.86	120.7	0.300	1485	-0.8	
155.0	8.09	34.50	8.07	26.87	119.8	0.306	1485		

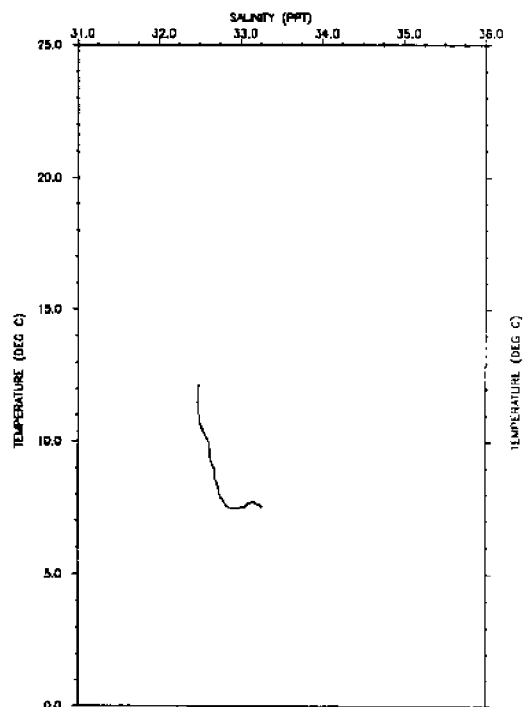
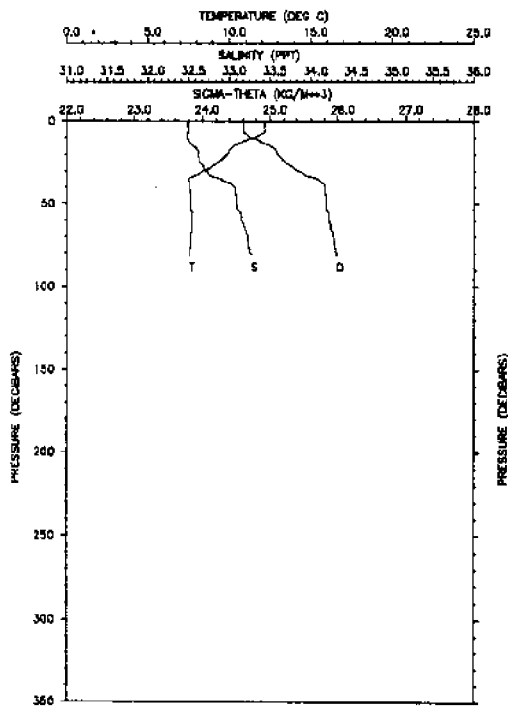




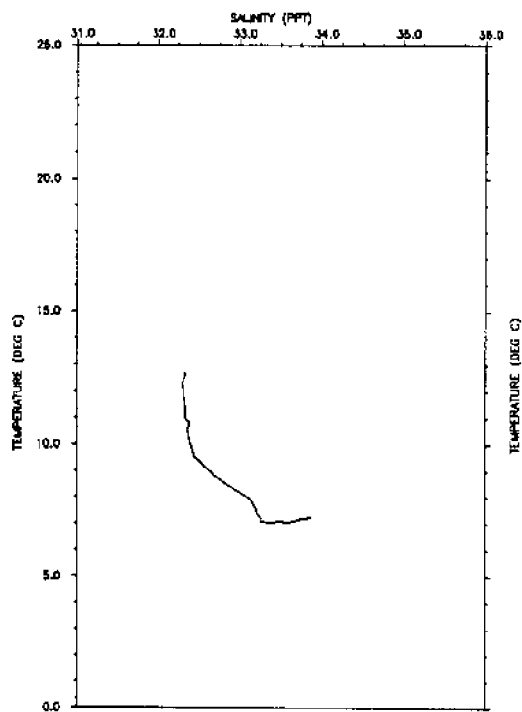
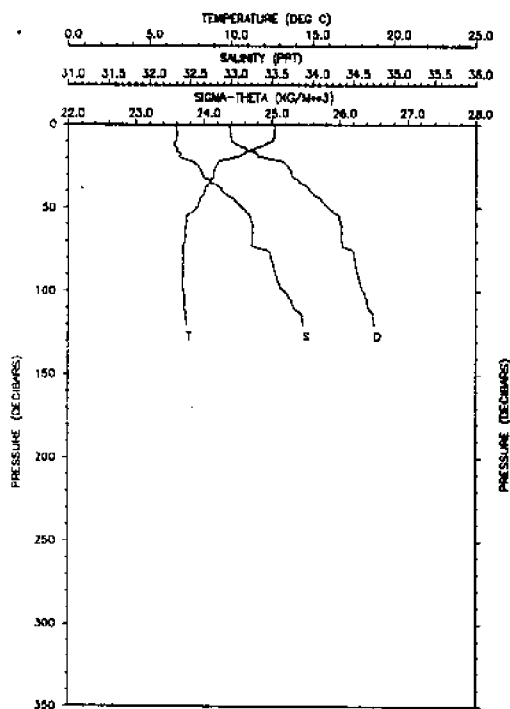
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	9.94	32.68	9.94	25.14	281.5	0.000	1487	-3.60	Cruise EN165
10.0	9.37	32.70	9.37	25.26	270.1	0.028	1485	9.73	Station 88
20.0	8.66	32.79	8.66	25.44	252.8	0.053	1483	-4.95	3 AUG 1987
30.0	8.11	32.85	8.11	25.57	240.7	0.078	1481	-2.41	1137 UTC
40.0	7.91	32.92	7.90	25.66	232.9	0.102	1480	3.10	43 14.1 N
50.0	8.04	33.02	8.03	25.71	227.7	0.125	1481	-4.15	66 44.0 W
60.0	8.06	33.06	8.06	25.74	225.5	0.148	1481	1.90	Depth 118 m
70.0	7.99	33.08	7.98	25.77	223.1	0.170	1481	6.5	
80.0	7.80	33.20	7.79	25.89	211.5	0.192	1481	5.7	
90.0	7.58	33.30	7.58	26.00	200.9	0.212	1480	3.5	
100.0	7.55	33.40	7.54	26.09	193.0	0.232	1480	3.7	
110.0	7.58	33.63	7.57	26.26	176.6	0.251	1481	11.5	
111.0	7.59	33.69	7.58	26.31	172.6	0.253	1481		



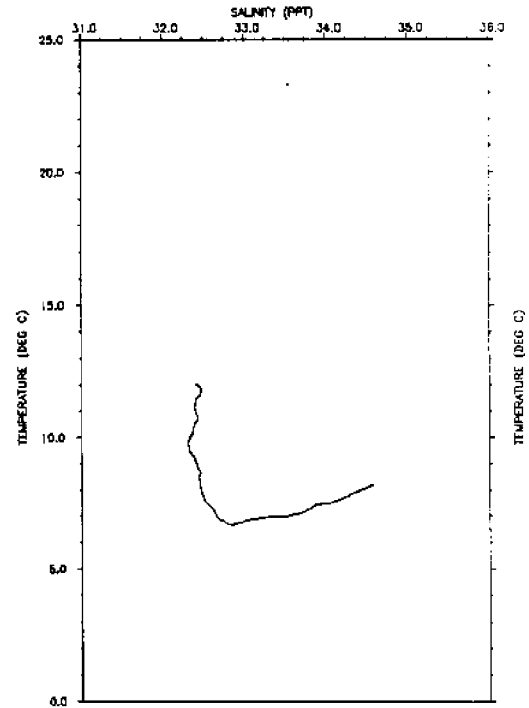
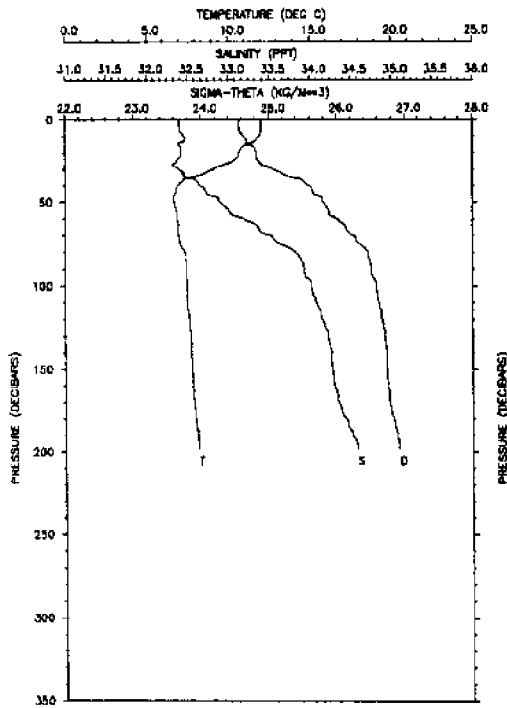
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	9.96	32.58	9.98	25.07	288.2	0.000	1487	1.76	Cruise EN165
10.0	9.85	32.57	9.85	25.08	287.1	0.029	1487	8.33	Station 89
20.0	8.99	32.62	8.98	25.26	270.6	0.057	1484	10.96	J AUG 1987
30.0	8.53	32.71	8.53	25.40	257.5	0.083	1482	4.26	1252 UTC
40.0	8.32	32.78	8.31	25.49	249.1	0.108	1482	2.33	43 25.0 N
50.0	8.24	32.82	8.23	25.53	245.5	0.133	1481	4.46	66 35.5 W
60.0	8.17	32.85	8.16	25.56	242.1	0.157	1481	1.95	Depth 99 m
70.0	7.76	33.18	7.75	25.88	212.4	0.180	1480	5.3	
80.0	7.63	33.30	7.62	25.99	201.6	0.201	1480	5.8	
90.0	7.50	33.41	7.49	26.10	191.5	0.221	1480	1.5	
95.0	7.49	33.43	7.48	26.11	190.3	0.230	1480		



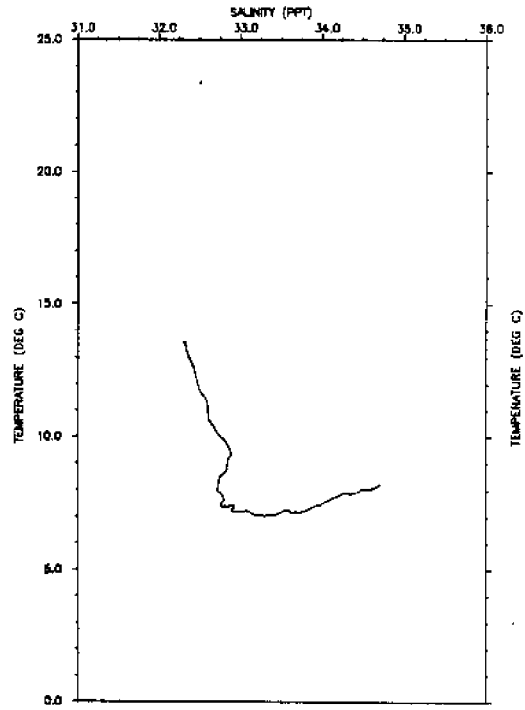
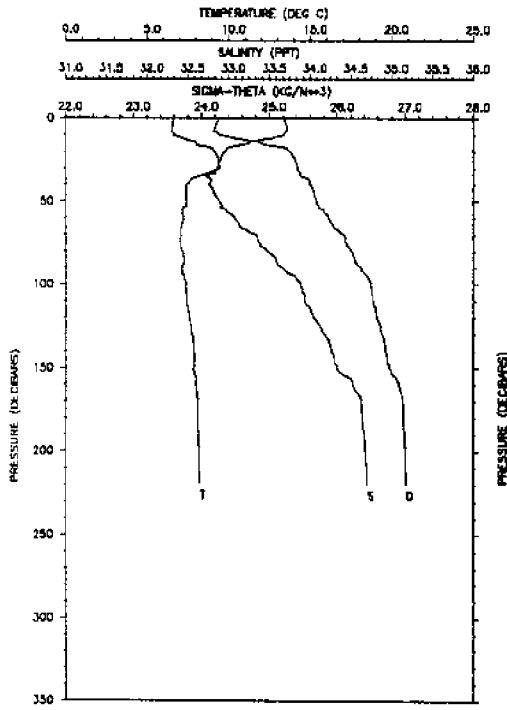
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	12.15	32.49	12.15	24.61	331.8	0.000	1494	2.11	Cruise EN165
10.0	11.50	32.48	11.49	24.73	321.0	0.033	1492	14.21	Station 90
20.0	9.87	32.61	9.87	25.11	284.6	0.063	1487	7.88	3 AUG 1987
30.0	8.37	32.71	8.37	25.42	254.9	0.090	1482	10.11	1415 UTC
40.0	7.56	33.06	7.56	25.82	217.7	0.113	1479	-1.93	43 35.9 N
50.0	7.64	33.09	7.63	25.83	216.9	0.135	1480	1.77	66 28.5 W
60.0	7.72	33.15	7.72	25.86	213.6	0.157	1480	2.36	Depth 83 m
70.0	7.62	33.22	7.61	25.93	207.1	0.178	1480	2.7	
80.0	7.55	33.26	7.54	25.97	203.8	0.196	1480	4.2	
81.0	7.54	33.26	7.54	25.98	203.2	0.200	1480		



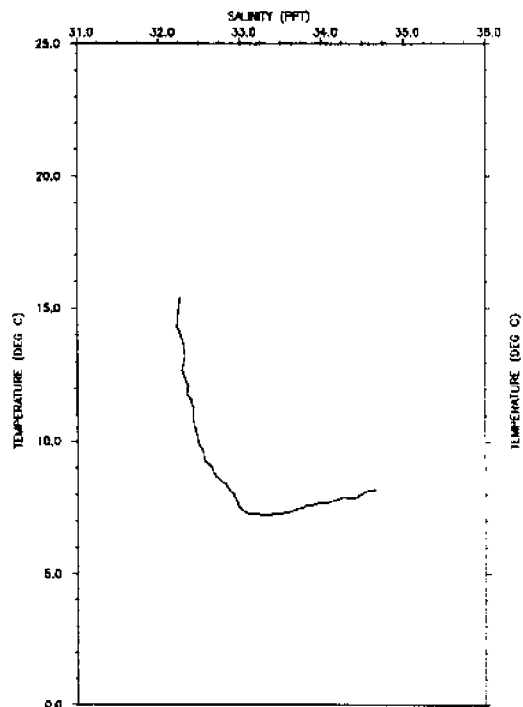
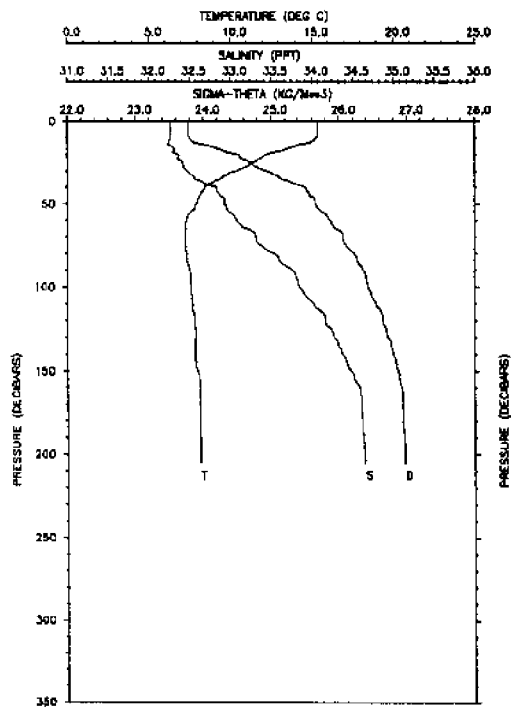
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	12.67	32.32	12.67	24.38	353.5	0.000	1496	-0.71	Cruise EN165
10.0	12.50	32.32	12.50	24.41	351.1	0.035	1495	9.47	Station 91
20.0	10.02	32.39	10.01	24.91	303.4	0.068	1487	19.69	3 AUG 1987
30.0	8.96	32.65	8.95	25.29	288.0	0.096	1484	5.07	1530 UTC
40.0	8.39	32.89	8.38	25.56	241.9	0.121	1482	9.28	43 34.6 N
50.0	7.88	33.14	7.88	25.83	216.7	0.144	1481	9.93	66 44.9 W
60.0	7.23	33.26	7.23	26.01	199.3	0.165	1478	5.24	Depth 124 m
70.0	7.14	33.28	7.13	26.03	198.2	0.184	1478	4.0	
80.0	7.08	33.49	7.07	26.22	180.1	0.203	1478	3.8	
90.0	7.07	33.55	7.06	26.27	175.9	0.221	1479	4.6	
100.0	7.07	33.65	7.07	26.35	168.3	0.238	1479	8.6	
110.0	7.19	33.77	7.18	26.42	161.1	0.255	1480	4.9	
120.0	7.27	33.88	7.25	26.50	153.8	0.270	1480		



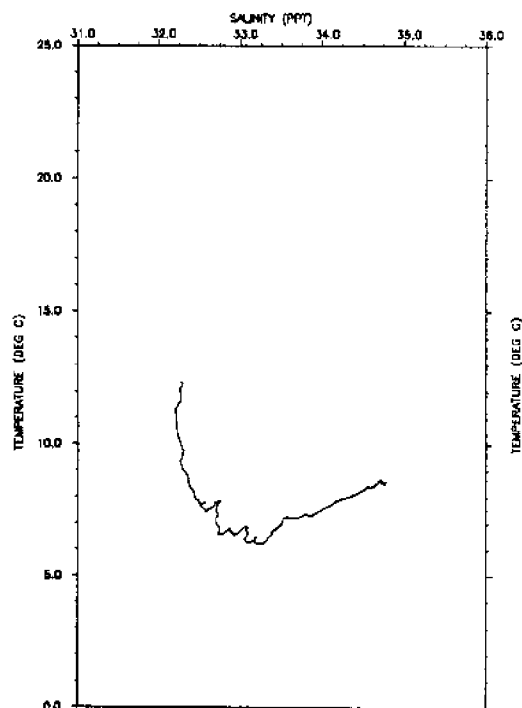
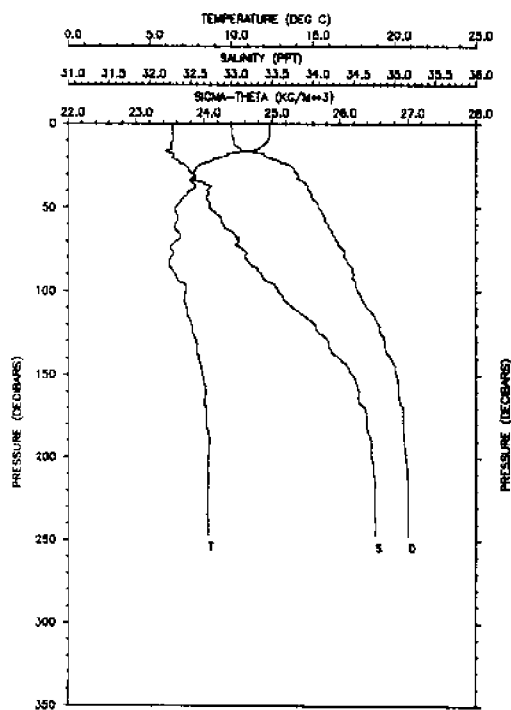
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	m³/kg	10m²/st²	m/sec	cph	
0.0	12.04	32.41	12.04	24.57	335.6	0.000	1494	-2.11	Cruise EN165
10.0	11.90	32.46	11.90	24.64	329.7	0.033	1494	9.37	Station 92
20.0	10.70	32.43	10.70	24.83	311.2	0.065	1490	4.09	3 AUG 1987
30.0	9.04	32.40	9.04	25.08	287.7	0.096	1484	12.73	1652 UTC
40.0	6.92	32.67	6.92	25.60	238.5	0.122	1476	10.14	43 33.0 N
50.0	6.72	32.90	6.71	25.81	218.9	0.145	1476	8.45	67 2.5 W
60.0	6.92	33.20	6.92	26.01	199.6	0.166	1477	8.85	Depth 203 m
70.0	6.99	33.53	6.99	26.27	175.5	0.185	1478	5.5	
80.0	7.37	33.84	7.36	26.46	157.7	0.202	1480	3.8	
90.0	7.48	33.94	7.47	26.52	152.0	0.217	1481	1.6	
100.0	7.50	34.03	7.49	26.59	145.6	0.232	1481	1.6	
110.0	7.54	34.09	7.53	26.62	142.2	0.246	1481	5.0	
120.0	7.62	34.16	7.61	26.67	138.0	0.260	1482	4.2	
130.0	7.71	34.23	7.70	26.71	134.4	0.274	1483	-0.5	
140.0	7.78	34.27	7.76	26.74	132.1	0.287	1483	1.6	
150.0	7.79	34.28	7.77	26.74	131.9	0.301	1483	3.8	
160.0	7.83	34.30	7.81	26.76	130.9	0.314	1484	2.9	
170.0	7.91	34.36	7.90	26.79	128.3	0.327	1484	3.9	
180.0	8.03	34.44	8.01	26.84	123.6	0.339	1485	4.9	
190.0	8.14	34.53	8.12	26.89	118.9	0.351	1486	3.5	
198.0	8.20	34.58	8.18	26.92	116.2	0.361	1486		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	n/sec	cph	
0.0	13.37	32.33	13.37	24.25	366.0	0.000	1498	-5.64	Cruise EN165
10.0	13.35	32.32	13.34	24.25	366.6	0.037	1498	19.73	Station 93
20.0	9.76	32.83	9.76	25.30	266.9	0.068	1487	8.45	3 AUG 1987
30.0	9.29	32.89	9.28	25.42	255.4	0.094	1485	-7.11	1830 UTC
40.0	7.40	32.75	7.40	25.60	238.7	0.118	1478	9.40	43 31.5 N
50.0	7.43	32.88	7.42	25.69	229.5	0.142	1478	5.52	67 20.0 W
60.0	7.25	33.07	7.25	25.87	213.2	0.164	1478	5.05	Depth 227 m
70.0	7.04	33.33	7.03	26.10	191.4	0.184	1478	7.1	
80.0	7.16	33.48	7.15	26.20	181.7	0.203	1479	5.9	
90.0	7.17	33.66	7.16	26.34	168.5	0.221	1479	4.4	
100.0	7.38	33.89	7.37	26.49	154.8	0.237	1480	2.7	
110.0	7.42	33.94	7.41	26.52	151.7	0.252	1481	1.5	
120.0	7.57	34.04	7.56	26.59	146.1	0.267	1482	6.7	
130.0	7.77	34.18	7.75	26.66	139.0	0.281	1483	4.5	
140.0	7.87	34.26	7.86	26.71	134.4	0.295	1483	3.5	
150.0	7.87	34.33	7.85	26.77	129.3	0.308	1484	6.0	
160.0	8.00	34.52	7.98	26.90	117.3	0.320	1484	5.7	
170.0	8.09	34.62	8.07	26.97	111.0	0.332	1485	2.4	
180.0	8.10	34.64	8.08	26.98	110.2	0.343	1485	0.9	
190.0	8.15	34.67	8.13	27.00	108.9	0.354	1486	-0.6	
200.0	8.18	34.69	8.16	27.00	108.4	0.365	1486	-1.6	
210.0	8.21	34.70	8.19	27.01	108.0	0.375	1486	-0.4	
219.0	8.23	34.70	8.20	27.01	107.9	0.385	1487		

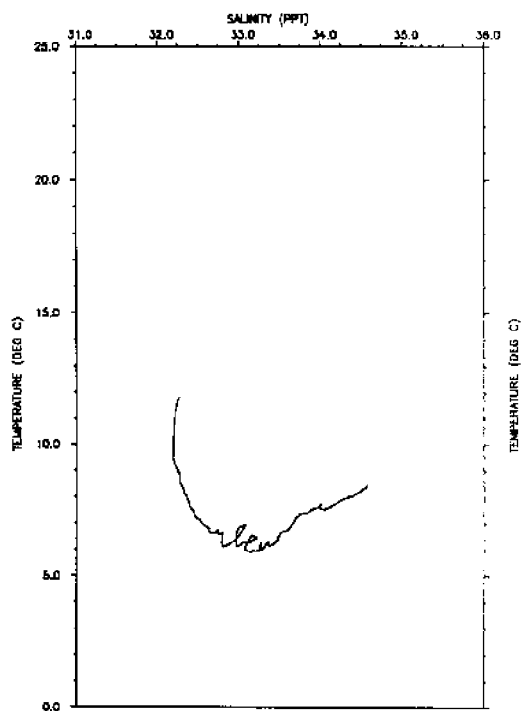
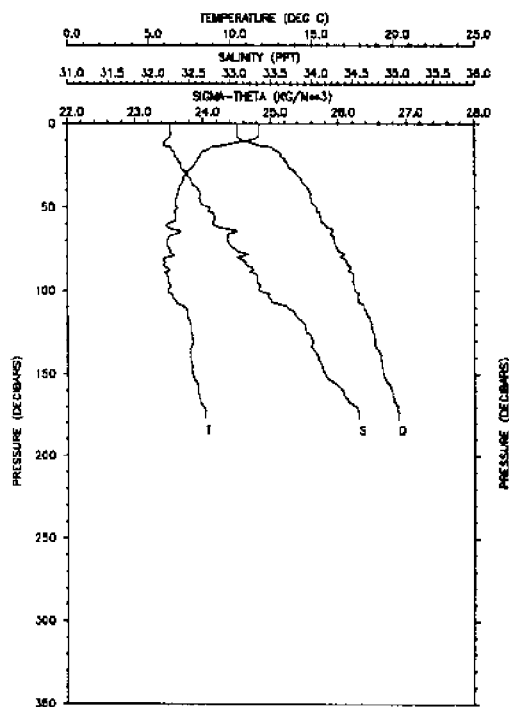


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	15.38	32.27	15.38	23.78	410.7	0.000	1505	-0.57	Cruise EN165
10.0	15.30	32.28	15.29	23.80	409.3	0.041	1505	6.65	Station 94
20.0	12.14	32.37	12.13	24.52	341.1	0.079	1494	6.79	3 AUG 1987
30.0	10.33	32.47	10.33	24.93	302.4	0.112	1488	14.66	2000 UTC
40.0	8.43	32.83	8.43	25.51	247.1	0.139	1482	5.32	43 30.0 N
50.0	7.95	32.93	7.95	25.66	232.9	0.163	1481	6.48	67 36.1 W
60.0	7.31	33.08	7.30	25.87	213.3	0.186	1478	5.25	Depth 223 m
70.0	7.22	33.31	7.22	26.06	195.3	0.206	1479	4.2	
80.0	7.33	33.54	7.32	26.23	179.6	0.225	1479	8.9	
90.0	7.51	33.75	7.51	26.37	166.4	0.242	1481	6.7	
100.0	7.61	33.85	7.60	26.43	160.4	0.258	1481	6.0	
110.0	7.69	34.02	7.68	26.55	149.2	0.274	1482	5.7	
120.0	7.82	34.17	7.81	26.65	139.8	0.288	1483	0.9	
130.0	7.90	34.28	7.89	26.72	133.3	0.302	1483	5.3	
140.0	7.89	34.37	7.87	26.80	126.3	0.315	1484	7.6	
150.0	8.01	34.49	7.99	26.87	119.8	0.327	1484	4.0	
160.0	8.15	34.58	8.13	26.93	114.6	0.339	1485	4.6	
170.0	8.16	34.61	8.14	26.95	113.3	0.350	1485	0.6	
180.0	8.16	34.62	8.14	26.95	112.8	0.361	1486	1.2	
190.0	8.18	34.64	8.16	26.97	111.4	0.373	1486	-1.2	
200.0	8.18	34.65	8.16	26.98	110.6	0.384	1486	0.6	
205.0	8.18	34.66	8.16	26.98	110.6	0.389	1486		

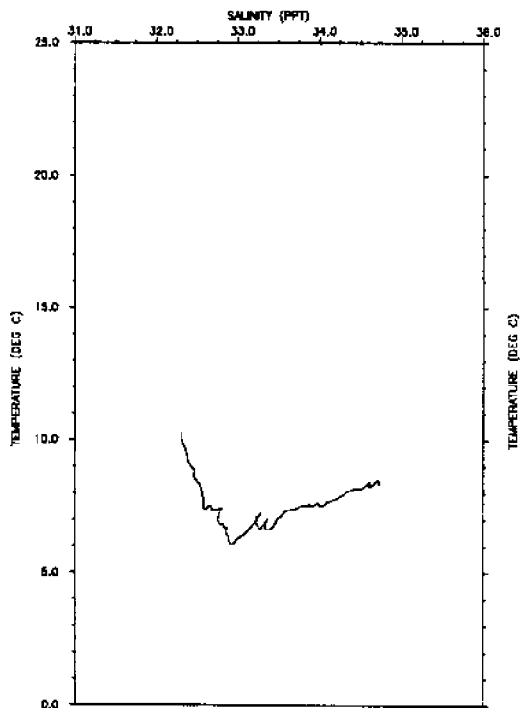
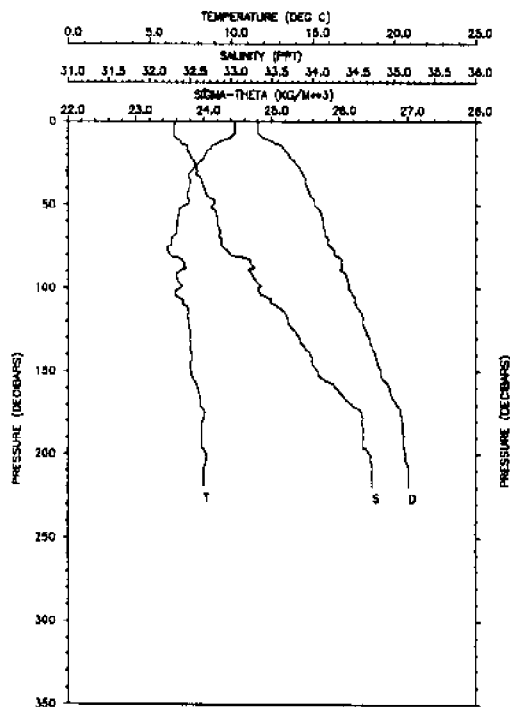


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	n/sec	cph	
0.0	12.36	32.27	12.36	24.40	351.5	0.000	1495	2.16	Cruise EN165
10.0	12.22	32.29	12.22	24.44	348.2	0.035	1495	3.57	Station 95
20.0	9.35	32.27	9.34	24.92	302.4	0.068	1484	15.62	3 AUG 1987
30.0	7.75	32.54	7.75	25.38	259.1	0.096	1479	7.49	2200 UTC
40.0	7.44	32.70	7.44	25.55	242.9	0.121	1478	9.44	43 29.4 N
50.0	6.59	32.74	6.59	25.69	229.7	0.144	1475	7.72	67 52.1 W
60.0	6.60	32.90	6.59	25.82	217.4	0.167	1475	6.21	Depth 282 m
70.0	6.62	33.09	6.61	25.97	203.7	0.188	1476	4.5	
80.0	6.27	33.17	6.26	26.07	193.7	0.208	1475	8.7	
90.0	6.57	33.38	6.56	26.20	182.1	0.226	1476	-4.7	
100.0	7.25	33.57	7.24	26.26	176.5	0.244	1479	6.4	
110.0	7.30	33.77	7.29	26.41	162.9	0.261	1480	8.0	
120.0	7.57	34.03	7.56	26.57	147.3	0.277	1482	5.0	
130.0	7.89	34.19	7.87	26.66	139.5	0.291	1483	3.3	
140.0	8.02	34.33	8.00	26.75	131.3	0.305	1484	4.7	
150.0	8.25	34.49	8.23	26.84	123.3	0.317	1485	4.1	
160.0	8.45	34.57	8.44	26.87	120.5	0.330	1486	-1.8	
170.0	8.44	34.64	8.43	26.92	115.3	0.341	1486	4.0	
180.0	8.53	34.66	8.51	26.93	114.9	0.353	1487	-0.8	
190.0	8.65	34.71	8.63	26.95	113.3	0.364	1488	1.8	
200.0	8.60	34.72	8.58	26.97	111.9	0.376	1488	3.9	
210.0	8.56	34.75	8.54	26.99	109.7	0.387	1488	2.3	
220.0	8.55	34.76	8.53	27.00	108.8	0.398	1488	0.4	
230.0	8.55	34.76	8.52	27.01	108.8	0.408	1488	-0.3	
240.0	8.58	34.77	8.56	27.01	108.8	0.419	1488	-1.5	
247.0	8.57	34.77	8.55	27.01	109.0	0.427	1488		

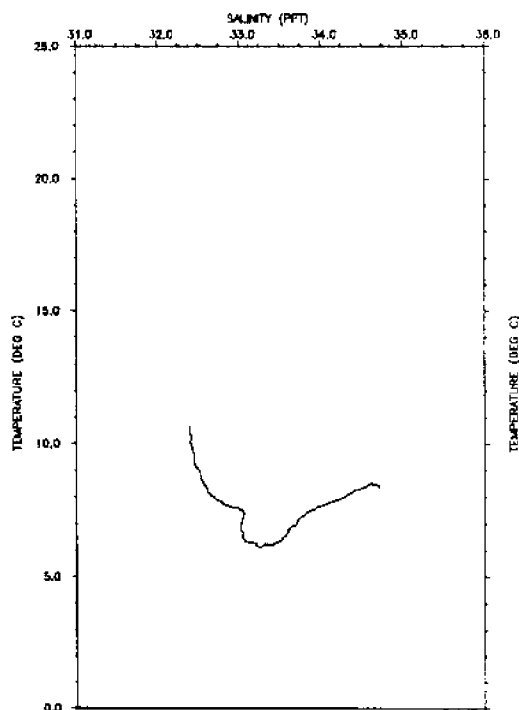
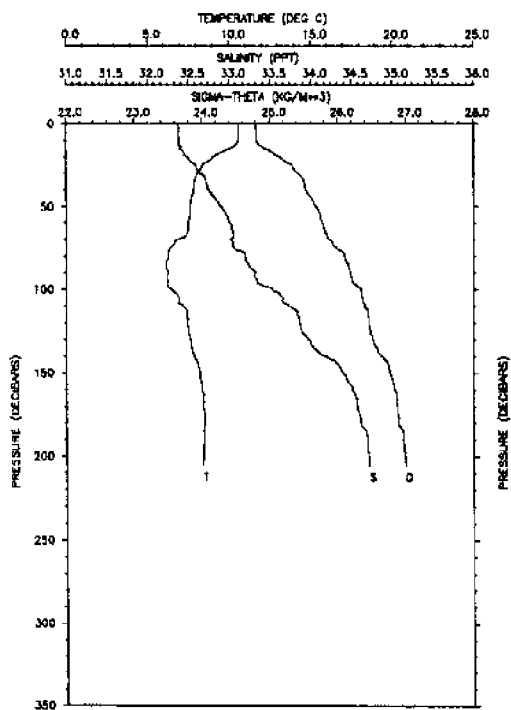




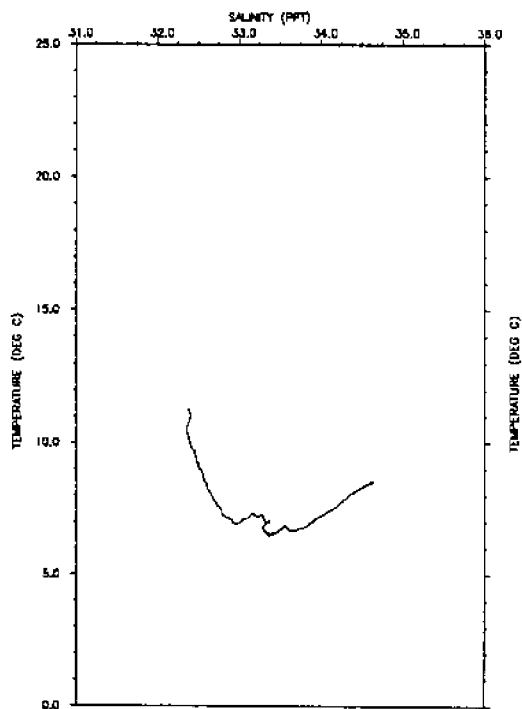
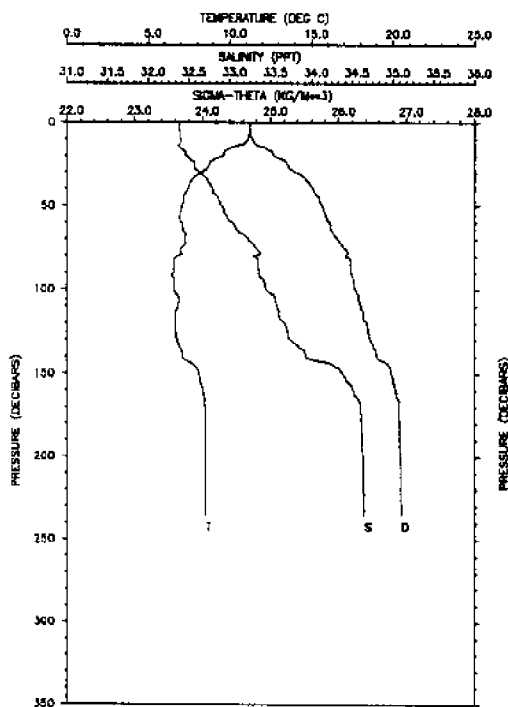
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	11.79	32.27	11.79	24.51	341.8	0.000	1493	-0.70	Cruise EN165
10.0	11.16	32.22	11.15	24.58	334.8	0.034	1491	16.24	Station 96
20.0	8.08	32.33	8.08	25.17	279.3	0.064	1480	10.38	3 AUG 1987
30.0	7.31	32.46	7.31	25.37	259.6	0.091	1477	8.34	2330 UTC
40.0	6.82	32.61	6.82	25.56	241.7	0.116	1476	6.78	43 38.4 N
50.0	6.73	32.74	6.73	25.68	230.9	0.140	1476	2.77	67 46.5 W
60.0	6.13	32.79	6.13	25.79	220.0	0.162	1473	6.83	Depth 238 m
70.0	6.15	32.97	6.14	25.93	206.8	0.184	1474	4.0	
80.0	6.02	33.07	6.01	26.03	198.0	0.204	1474	14.9	
90.0	6.06	33.31	6.05	26.21	180.8	0.222	1474	2.2	
100.0	6.16	33.37	6.15	26.25	177.7	0.240	1475	10.7	
110.0	7.19	33.70	7.18	26.37	166.3	0.258	1480	6.7	
120.0	7.56	33.91	7.55	26.48	155.7	0.274	1481	1.0	
130.0	7.72	34.01	7.71	26.54	150.9	0.289	1482	2.4	
140.0	7.58	34.08	7.57	26.62	143.7	0.304	1482	2.0	
150.0	7.71	34.17	7.70	26.67	139.2	0.318	1483	2.0	
160.0	8.01	34.37	7.99	26.78	128.5	0.331	1484	4.6	
170.0	8.39	34.56	8.38	26.87	120.5	0.344	1486	-3.5	
177.0	8.44	34.58	8.42	26.88	119.7	0.352	1487		



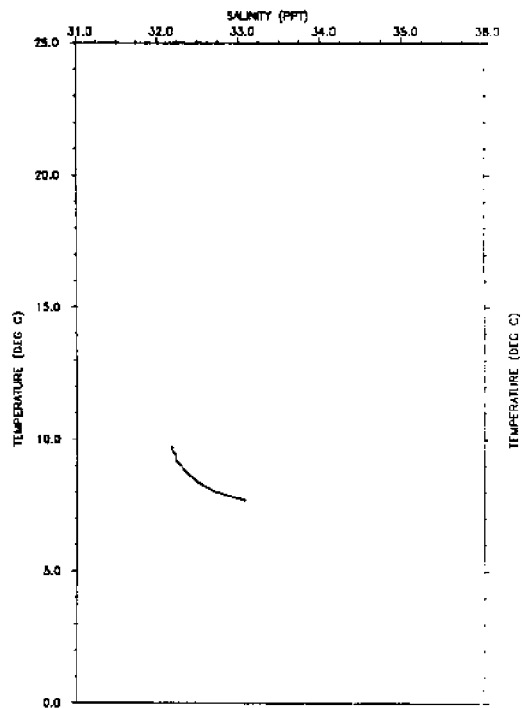
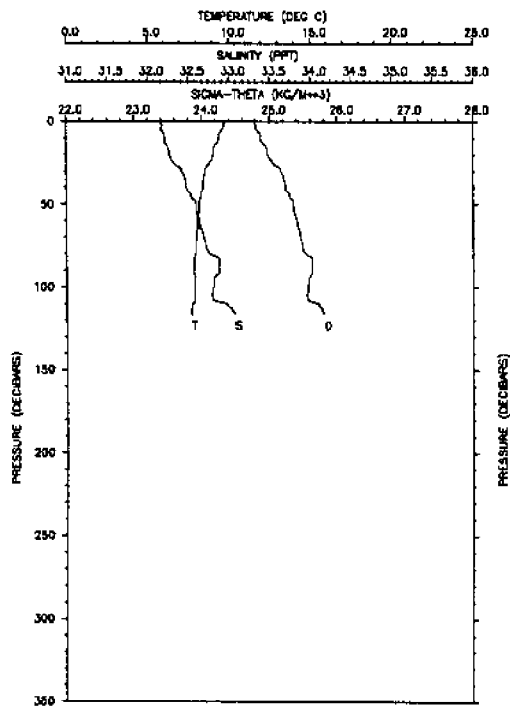
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	10.28	32.31	10.28	24.81	313.0	0.000	1487	2.09	Cruise EN165
10.0	9.84	32.33	9.84	24.89	305.1	0.031	1486	15.20	Station 97
20.0	8.42	32.51	8.42	25.28	270.7	0.060	1481	5.04	4 AUG 1987
30.0	7.59	32.59	7.59	25.44	253.3	0.086	1478	3.79	0115 UTC
40.0	7.46	32.68	7.45	25.53	245.1	0.111	1478	5.04	43 47.7 N
50.0	7.30	32.78	7.30	25.63	235.7	0.135	1478	7.70	67 40.3 W
60.0	6.72	32.84	6.72	25.76	223.7	0.157	1476	1.13	Depth 225 m
70.0	6.41	32.88	6.40	25.82	217.4	0.179	1475	3.6	
80.0	6.26	32.99	6.25	25.93	206.9	0.201	1475	10.7	
90.0	6.82	33.23	6.81	26.05	196.1	0.221	1477	10.0	
100.0	6.92	33.34	6.91	26.12	189.6	0.240	1478	9.0	
110.0	7.10	33.53	7.09	26.25	177.6	0.258	1479	4.3	
120.0	7.39	33.70	7.37	26.35	168.8	0.275	1480	2.1	
130.0	7.53	33.84	7.52	26.44	160.5	0.292	1481	2.1	
140.0	7.61	33.98	7.60	26.53	151.7	0.307	1482	2.7	
150.0	7.58	34.07	7.56	26.60	144.9	0.322	1482	1.9	
160.0	7.93	34.29	7.92	26.73	133.5	0.336	1484	6.2	
170.0	8.16	34.48	8.15	26.84	122.9	0.349	1485	5.7	
180.0	8.29	34.61	8.27	26.93	115.3	0.361	1486	4.1	
190.0	8.24	34.62	8.22	26.94	114.1	0.373	1486	1.0	
200.0	8.45	34.70	8.43	26.97	111.2	0.384	1487	2.2	
210.0	8.34	34.73	8.32	27.02	107.5	0.395	1487	3.0	
219.0	8.34	34.74	8.31	27.02	107.2	0.404	1487		



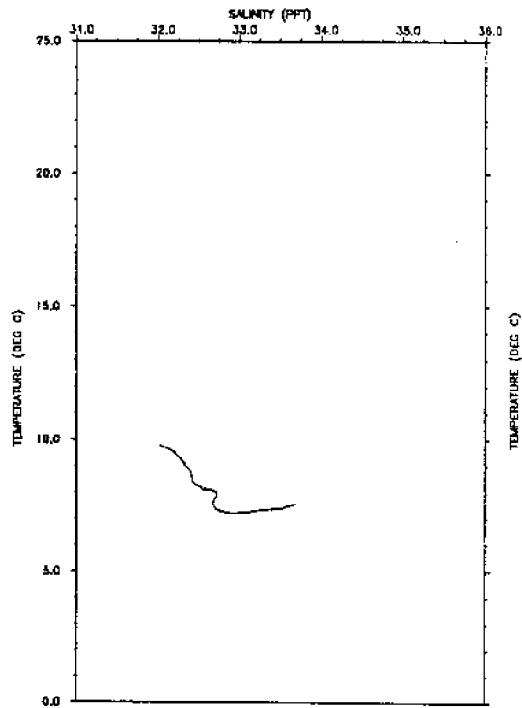
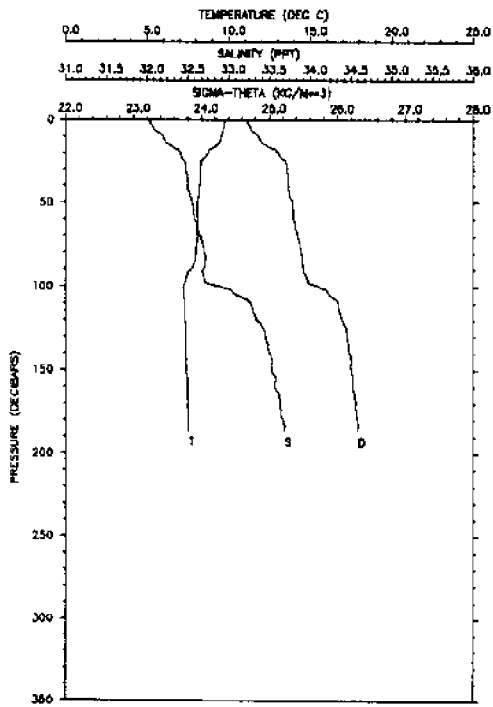
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	10.62	32.39	10.62	24.81	313.1	0.000	1489	-0.44	Cruise EN165
10.0	10.59	32.39	10.58	24.82	312.5	0.031	1489	5.27	Station 98
20.0	9.02	32.50	9.02	25.16	280.3	0.061	1484	6.54	4 AUG 1987
30.0	8.07	32.65	8.07	25.42	255.5	0.088	1480	10.04	0237 UTC
40.0	7.85	32.75	7.85	25.53	244.7	0.113	1480	6.38	43 56.7 N
50.0	7.83	32.91	7.82	25.69	230.2	0.137	1479	6.11	67 35.2 W
60.0	7.53	33.01	7.52	25.78	221.3	0.159	1479	5.58	Depth 209 m
70.0	6.78	33.02	6.77	25.89	211.4	0.181	1476	11.9	
80.0	6.27	33.20	6.27	26.10	191.4	0.201	1475	4.8	
90.0	6.27	33.32	6.26	26.19	182.9	0.220	1475	4.1	
100.0	6.47	33.53	6.46	26.34	169.2	0.238	1476	4.4	
110.0	7.20	33.74	7.19	26.40	163.6	0.254	1480	7.4	
120.0	7.48	33.87	7.47	26.46	158.0	0.270	1481	2.0	
130.0	7.65	33.97	7.63	26.52	152.3	0.286	1482	6.1	
140.0	7.87	34.19	7.86	26.66	139.7	0.300	1483	6.4	
150.0	8.23	34.40	8.22	26.77	129.4	0.314	1485	5.5	
160.0	8.35	34.51	8.34	26.84	123.0	0.328	1486	4.7	
170.0	8.44	34.57	8.42	26.87	120.1	0.338	1486	1.0	
180.0	8.50	34.62	8.48	26.90	117.8	0.350	1487	3.5	
190.0	8.45	34.69	8.43	26.97	111.7	0.362	1487	2.1	
200.0	8.41	34.71	8.39	26.99	109.8	0.373	1487	1.8	
205.0	8.40	34.72	8.37	27.00	109.3	0.378	1487		



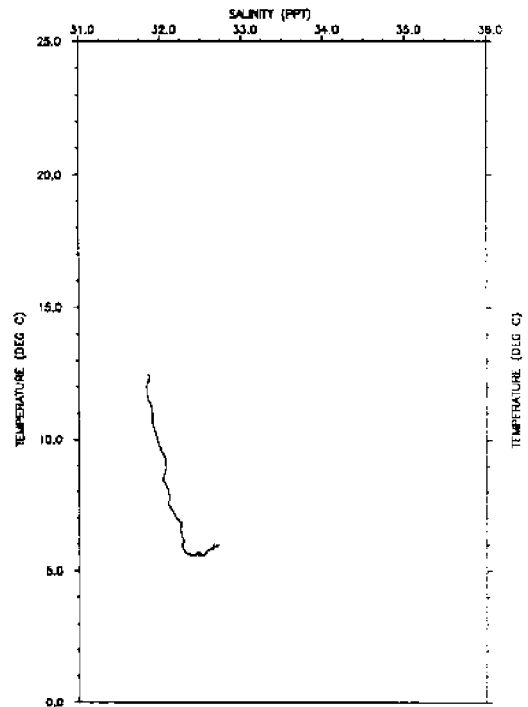
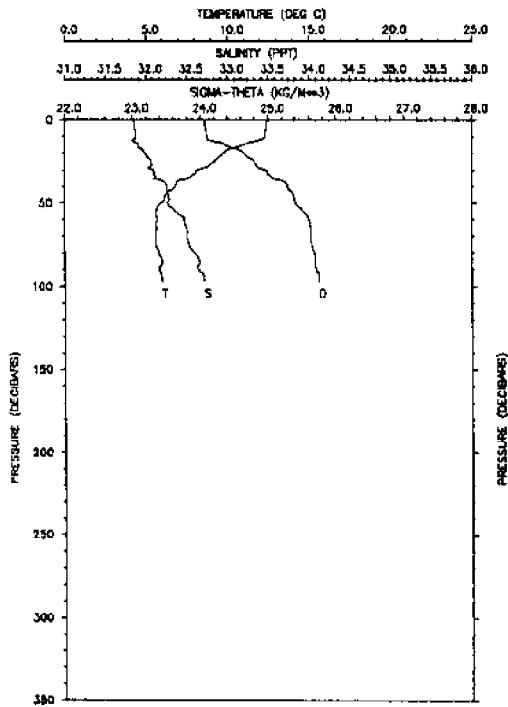
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	11.23	32.38	11.23	24.69	324.0	0.000	1491	2.65	Cruise EN165
10.0	11.11	32.40	11.11	24.73	320.5	0.032	1491	6.84	Station 99
20.0	9.54	32.47	9.54	25.05	290.5	0.063	1485	13.22	4 AUG 1987
30.0	8.22	32.62	8.22	25.37	259.9	0.090	1481	14.10	0400 UTC
40.0	7.41	32.79	7.41	25.62	236.0	0.115	1478	6.52	44 5.9 N
50.0	7.09	32.91	7.08	25.76	223.1	0.138	1477	4.51	67 28.9 W
60.0	7.06	33.05	7.06	25.87	212.6	0.159	1477	-2.38	Depth 238 m
70.0	7.22	33.24	7.21	26.00	200.8	0.180	1478	5.6	
80.0	6.79	33.29	6.79	26.10	191.5	0.200	1477	14.4	
90.0	6.54	33.36	6.54	26.19	182.7	0.218	1476	2.1	
100.0	6.50	33.45	6.58	26.25	177.1	0.236	1477	5.4	
110.0	6.82	33.58	6.81	26.33	170.4	0.253	1478	4.8	
120.0	6.68	33.67	6.67	26.42	162.0	0.270	1478	6.0	
130.0	6.75	33.74	6.74	26.46	157.6	0.286	1478	5.8	
140.0	7.12	33.94	7.11	26.57	148.1	0.301	1480	5.7	
150.0	8.09	34.38	8.08	26.78	128.6	0.315	1485	4.5	
160.0	8.35	34.52	8.34	26.84	122.8	0.327	1486	2.1	
170.0	8.49	34.60	8.47	26.89	118.6	0.339	1487	1.7	
180.0	8.51	34.61	8.49	26.90	118.3	0.351	1487	1.0	
190.0	8.52	34.62	8.50	26.90	118.0	0.363	1487	1.9	
200.0	8.52	34.64	8.50	26.91	117.1	0.375	1487	0.3	
210.0	8.52	34.64	8.50	26.91	117.1	0.386	1487	0.6	
220.0	8.52	34.64	8.49	26.92	116.9	0.398	1488	0.3	
230.0	8.52	34.65	8.50	26.92	116.7	0.410	1488	-0.9	
235.0	8.52	34.65	8.50	26.92	116.7	0.416	1488		



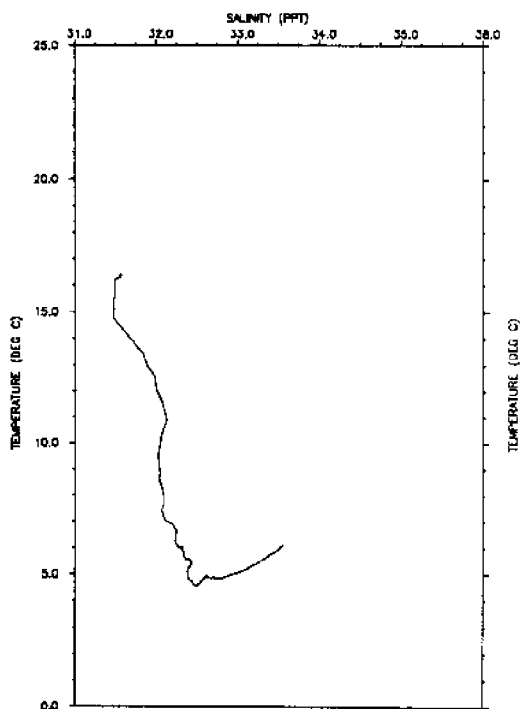
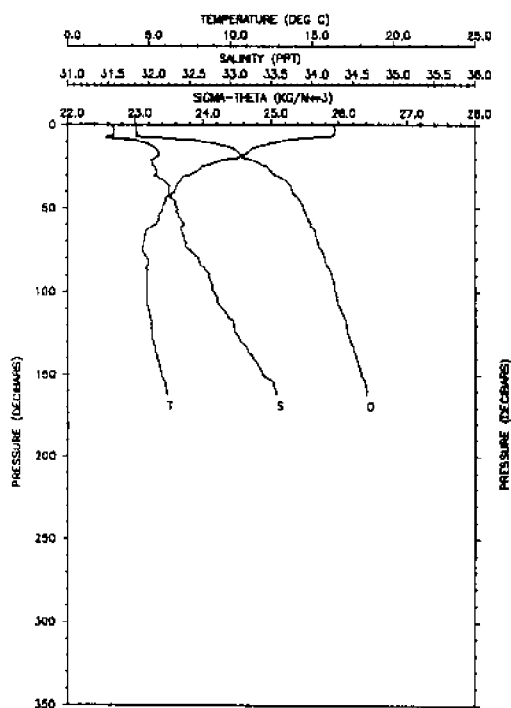
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	9.75	32.17	9.75	24.78	315.6	0.000	1485	4.86	Cruise EN165
10.0	9.41	32.21	9.41	24.87	307.1	0.031	1484	3.03	Station 100
20.0	9.07	32.27	9.07	24.97	297.7	0.061	1483	6.28	4 AUG 1987
30.0	8.55	32.42	8.55	25.17	279.0	0.090	1482	3.16	0552 UTC
40.0	8.40	32.48	8.39	25.24	272.6	0.118	1482	4.63	44 21.9 N
50.0	8.19	32.60	8.18	25.36	261.3	0.144	1481	2.14	67 20.7 W
60.0	8.09	32.65	8.09	25.41	256.5	0.170	1481	-1.21	Depth 117 m
70.0	8.03	32.69	8.02	25.46	252.5	0.196	1481	4.9	
80.0	7.95	32.77	7.94	25.53	245.3	0.221	1481	11.7	
90.0	7.85	32.89	7.84	25.64	235.5	0.244	1481	-2.8	
100.0	7.92	32.81	7.91	25.56	242.7	0.268	1481	-3.6	
110.0	7.77	32.99	7.76	25.73	227.3	0.293	1481	-5.0	
116.0	7.70	33.07	7.69	25.81	219.9	0.306	1481		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cpH	
0.0	9.78	32.02	9.78	24.66	327.0	0.000	1485	5.82	Cruise EN165
10.0	9.54	32.20	9.54	24.84	310.0	0.032	1485	4.60	Station 101
20.0	8.75	32.41	8.75	25.13	282.9	0.062	1482	5.06	4 AUG 1987
30.0	8.27	32.48	8.27	25.26	270.8	0.089	1481	2.48	0807 UTC
40.0	8.23	32.50	8.23	25.28	269.1	0.116	1481	3.86	44 11.1 N
50.0	8.11	32.56	8.11	25.34	263.1	0.143	1481	-1.82	67 46.1 W
60.0	8.14	32.59	8.13	25.36	261.4	0.169	1481	3.72	Depth 188 m
70.0	8.10	32.65	8.09	25.42	256.1	0.195	1481	4.5	
80.0	8.04	32.71	8.03	25.47	251.4	0.221	1481	5.6	
90.0	7.71	32.69	7.70	25.51	248.0	0.245	1480	-0.7	
100.0	7.23	32.89	7.22	25.73	227.0	0.270	1479	12.5	
110.0	7.33	33.27	7.32	26.01	200.2	0.291	1480	4.0	
120.0	7.36	33.35	7.35	26.07	195.1	0.311	1480	8.0	
130.0	7.40	33.46	7.39	26.15	187.7	0.330	1480	3.8	
140.0	7.41	33.51	7.40	26.19	184.1	0.348	1481	5.3	
150.0	7.43	33.54	7.41	26.21	182.3	0.367	1481	1.2	
160.0	7.49	33.57	7.48	26.23	180.8	0.385	1481	1.5	
170.0	7.53	33.64	7.52	26.28	176.4	0.402	1482	-2.5	
180.0	7.56	33.68	7.54	26.30	174.2	0.420	1482	1.6	
186.0	7.57	33.69	7.55	26.31	173.5	0.430	1482		

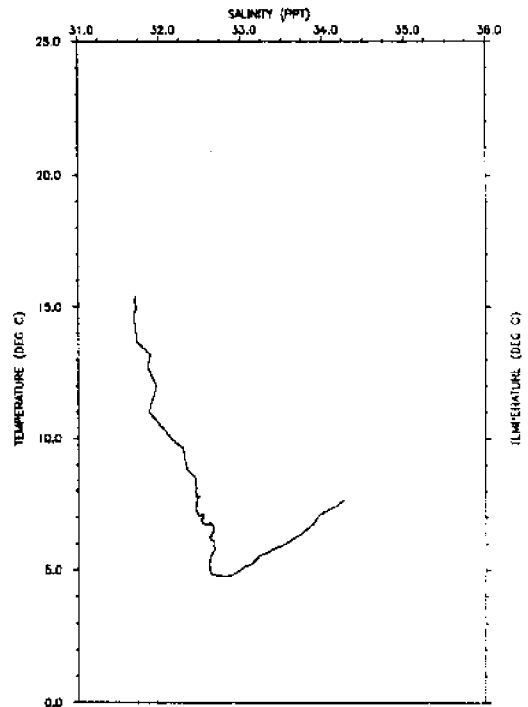
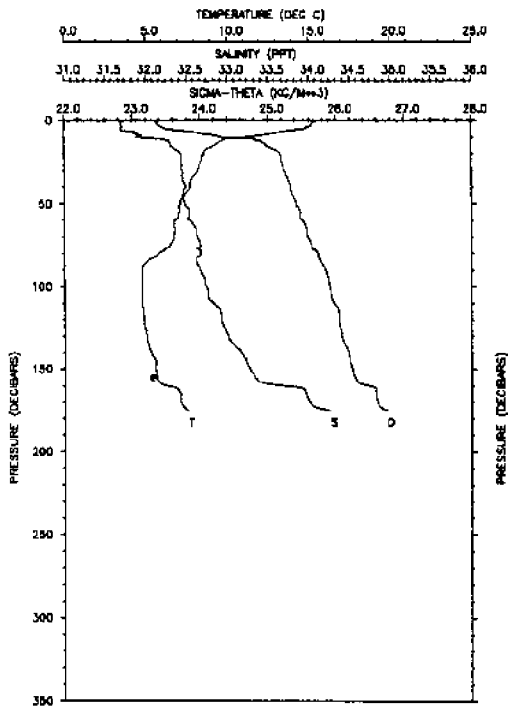


P	T	S	PT	STH	SPVA	DM	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/s+2	m/sec	cph	
0.0	12.46	31.86	12.46	24.07	383.8	0.000	1495	1.70	Cruise EN165
10.0	12.34	31.88	12.34	24.10	380.4	0.038	1494	2.16	Station 102
20.0	9.76	31.99	9.76	24.64	329.5	0.074	1486	10.45	4 AUG 1987
30.0	8.09	32.09	8.09	24.98	297.3	0.105	1480	6.59	1037 UTC
40.0	6.81	32.26	6.81	25.29	267.9	0.134	1475	3.62	44 1.2 N
50.0	5.95	32.26	5.94	25.40	257.4	0.160	1472	10.06	68 13.2 W
60.0	5.70	32.47	5.69	25.59	238.9	0.184	1471	3.42	Depth 99 m
70.0	5.61	32.51	5.61	25.63	235.1	0.208	1471	2.1	
80.0	5.78	32.59	5.77	25.68	231.3	0.231	1472	7.9	
90.0	5.85	32.64	5.84	25.71	228.2	0.254	1473	4.9	
97.0	6.00	32.72	6.00	25.75	224.7	0.270	1473		

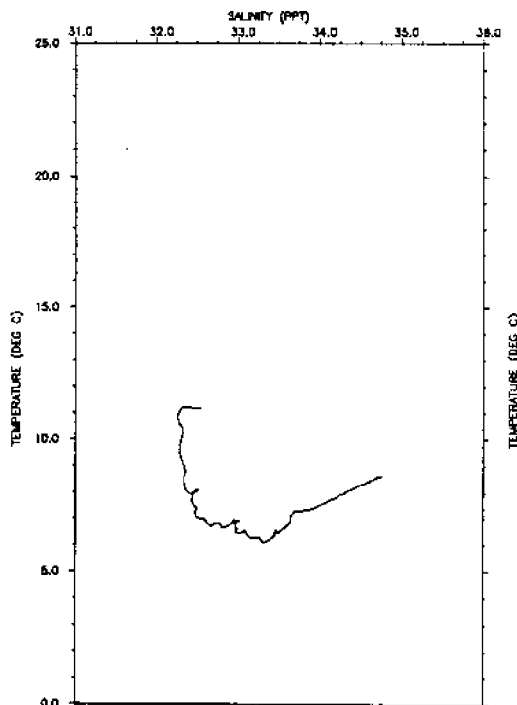
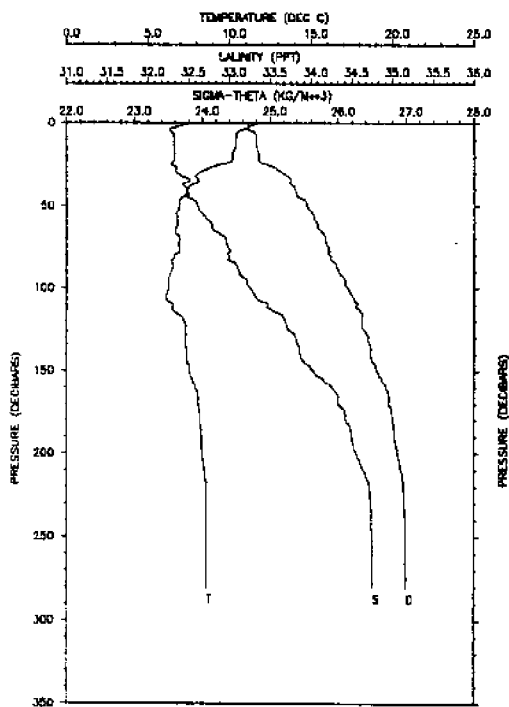


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	18.39	31.56	16.39	23.01	484.3	0.000	1507	3.54	Cruise EN165
10.0	12.96	31.89	12.96	24.00	390.6	0.047	1497	22.23	Station 103
20.0	10.33	32.07	10.33	24.61	332.5	0.082	1488	17.22	4 AUG 1987
30.0	7.42	32.07	7.42	25.06	289.9	0.112	1477	14.89	1200 UTC
40.0	6.58	32.25	6.58	25.31	266.0	0.140	1474	4.69	43 51.0 N
50.0	5.86	32.35	5.85	25.48	250.1	0.165	1472	4.65	68 6.1 W
60.0	5.42	32.43	5.41	25.59	239.2	0.190	1470	-1.81	Depth 168 m
70.0	4.71	32.45	4.71	25.68	230.3	0.213	1467	4.3	
80.0	4.89	32.60	4.89	25.79	220.5	0.236	1469	-2.7	
90.0	4.87	32.73	4.86	25.89	210.7	0.258	1469	2.1	
100.0	4.87	32.80	4.86	25.94	205.9	0.278	1469	4.9	
110.0	4.95	32.90	4.94	26.02	199.2	0.299	1470	7.3	
120.0	5.12	33.04	5.11	26.11	190.4	0.318	1471	3.2	
130.0	5.24	33.13	5.23	26.17	185.3	0.337	1471	5.4	
140.0	5.51	33.28	5.50	26.25	177.3	0.355	1473	4.6	
150.0	5.74	33.40	5.73	26.32	171.3	0.372	1474	4.7	
160.0	6.08	33.55	6.07	26.40	163.6	0.389	1476	-1.3	
162.0	6.10	33.56	6.08	26.40	163.5	0.392	1476		

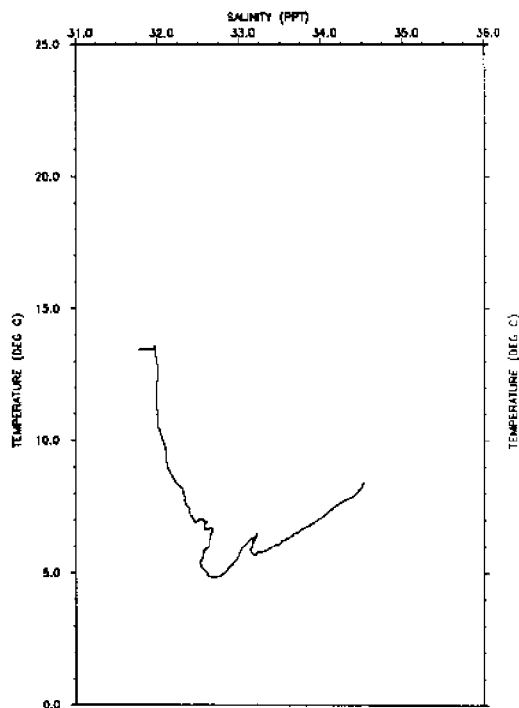
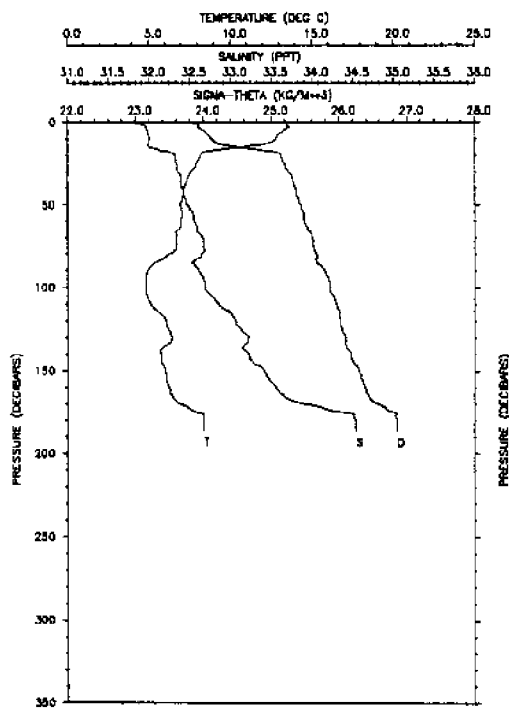




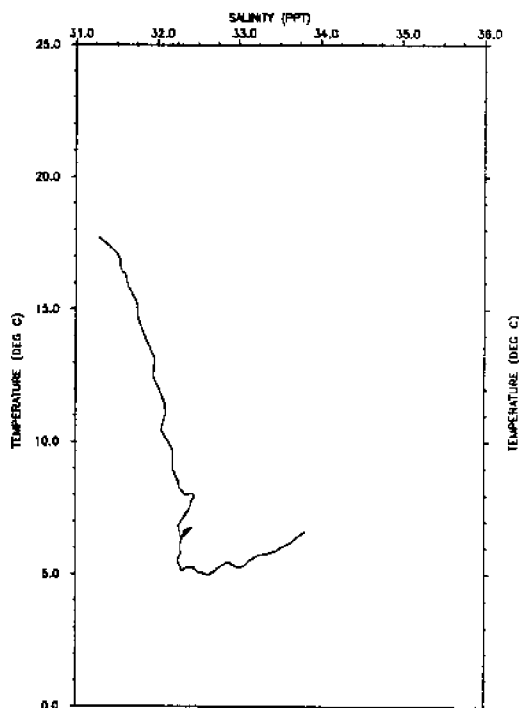
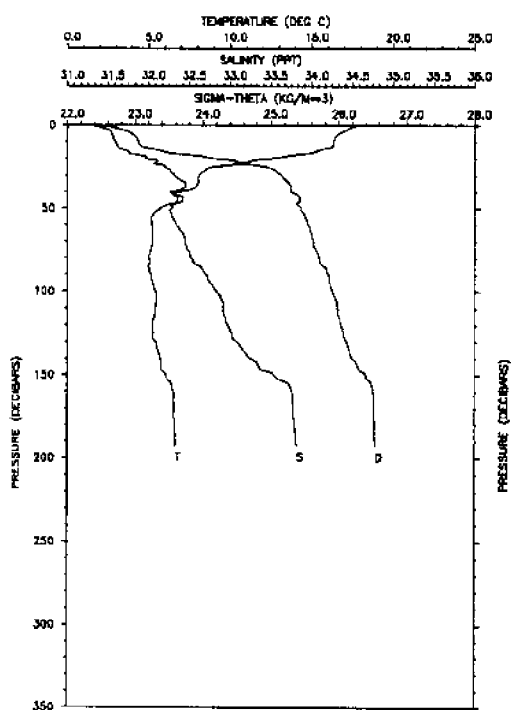
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	15.42	31.71	15.42	23.35	452.3	0.000	1504	5.29	Cruise EN165
10.0	11.00	31.88	11.00	24.35	357.1	0.042	1490	36.23	Station 104
20.0	8.56	32.44	8.56	25.18	277.7	0.072	1482	4.99	4 AUG 1987
30.0	8.22	32.45	8.22	25.24	272.1	0.099	1481	8.09	1500 UTC
40.0	7.77	32.50	7.77	25.34	263.0	0.126	1479	-5.21	43 40.0 N
50.0	7.13	32.49	7.12	25.42	255.2	0.152	1477	1.86	68 0.1 W
60.0	6.75	32.54	6.75	25.52	246.3	0.177	1476	8.19	Depth 185 m
70.0	6.75	32.64	6.74	25.59	239.3	0.201	1476	5.1	
80.0	5.80	32.68	5.79	25.75	224.8	0.225	1472	-1.5	
90.0	4.81	32.67	4.81	25.85	214.6	0.247	1468	4.9	
100.0	4.77	32.74	4.77	25.91	209.1	0.268	1469	6.4	
110.0	4.77	32.83	4.77	25.98	202.7	0.289	1469	7.1	
120.0	4.88	32.93	4.87	26.05	196.2	0.308	1470	2.7	
130.0	5.06	33.01	5.05	26.09	192.1	0.328	1471	1.2	
140.0	5.34	33.17	5.33	26.19	183.6	0.347	1472	4.1	
150.0	5.61	33.28	5.60	26.24	178.3	0.365	1473	4.0	
160.0	6.37	33.75	6.36	26.52	152.9	0.382	1477	14.2	
170.0	7.18	34.01	7.18	26.62	143.8	0.397	1481	4.3	
175.0	7.63	34.27	7.62	26.76	130.9	0.404	1483		



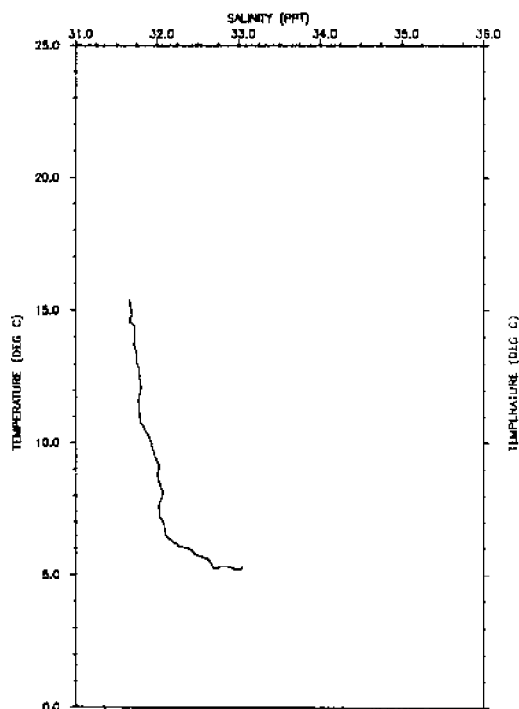
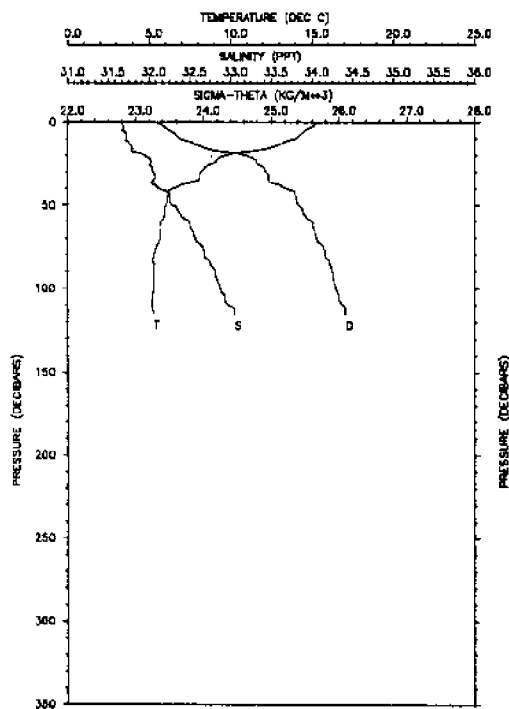
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/at2	m/sec	cph	
0.0	11.17	32.54	11.17	24.83	310.7	0.000	1491	-13.95	Cruise EN165
10.0	10.39	32.32	10.39	24.79	314.6	0.032	1488	2.71	Station 105
20.0	10.21	32.33	10.21	24.83	311.3	0.063	1488	0.87	4 AUG 1987
30.0	8.15	32.35	8.15	25.18	278.6	0.093	1480	11.49	1615 UTC
40.0	7.46	32.47	7.46	25.37	260.4	0.120	1478	2.34	43 29.6 N
50.0	6.92	32.60	6.91	25.54	244.1	0.145	1476	7.60	67 52.5 W
60.0	6.82	32.76	6.82	25.68	231.0	0.169	1476	7.31	Depth 286 m
70.0	6.97	32.96	6.97	25.81	218.3	0.191	1477	-1.9	
80.0	6.62	32.99	6.61	25.89	211.7	0.213	1476	5.2	
90.0	6.43	33.11	6.43	26.01	200.2	0.233	1476	5.6	
100.0	6.26	33.26	6.25	26.15	187.2	0.253	1475	6.0	
110.0	6.55	33.48	6.54	26.28	174.7	0.271	1477	-6.7	
120.0	7.23	33.68	7.22	26.35	168.4	0.288	1480	2.0	
130.0	7.33	33.81	7.32	26.44	159.9	0.304	1481	3.4	
140.0	7.35	33.87	7.34	26.48	156.3	0.320	1481	3.2	
150.0	7.53	34.02	7.52	26.58	147.5	0.335	1482	5.5	
160.0	7.92	34.25	7.90	26.70	136.2	0.350	1484	5.5	
170.0	8.07	34.34	8.05	26.75	131.7	0.363	1485	1.8	
180.0	8.19	34.43	8.17	26.80	127.1	0.376	1485	3.5	
190.0	8.28	34.50	8.27	26.84	123.7	0.388	1486	1.3	
200.0	8.35	34.55	8.33	26.87	120.6	0.400	1487	3.8	
210.0	8.46	34.64	8.44	26.93	115.9	0.412	1487	6.1	
220.0	8.56	34.72	8.54	26.97	112.2	0.424	1488	0.7	
230.0	8.57	34.73	8.55	26.98	111.3	0.435	1488	1.7	
240.0	8.57	34.75	8.55	26.99	110.5	0.446	1488	-0.5	
250.0	8.58	34.75	8.55	26.99	110.4	0.457	1488	0.9	
260.0	8.58	34.76	8.55	27.00	110.3	0.468	1489	-0.7	
270.0	8.58	34.76	8.55	27.00	110.4	0.479	1489	-0.8	
280.0	8.58	34.76	8.55	27.00	110.4	0.490	1489		



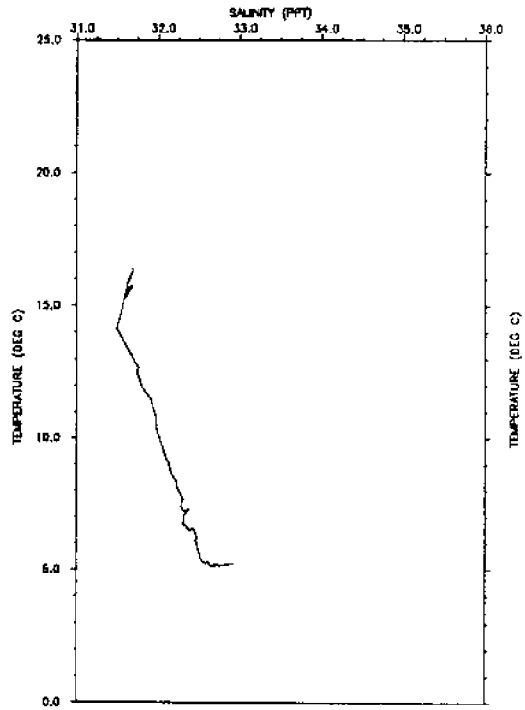
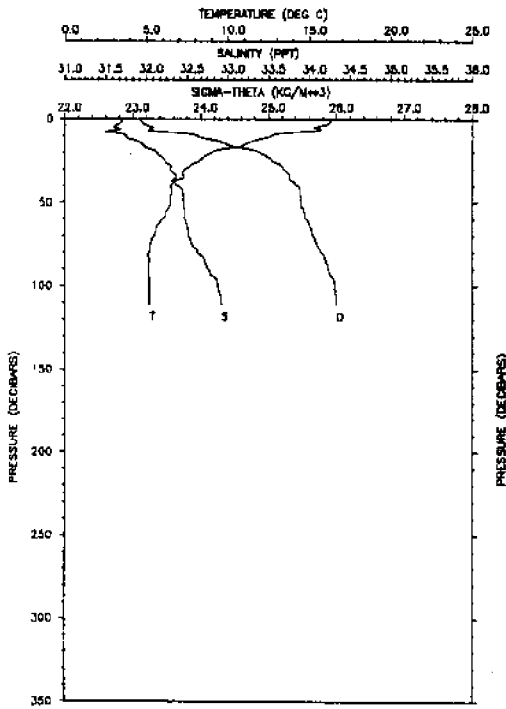
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	13.46	31.75	13.46	23.79	410.3	0.000	1498	15.55	Cruise EN165
10.0	12.81	32.01	12.81	24.12	379.3	0.039	1496	7.20	Station 106
20.0	8.19	32.32	8.19	25.14	281.8	0.073	1480	3.91	4 AUG 1987
30.0	7.59	32.36	7.58	25.28	270.7	0.100	1478	7.52	1737 UTC
40.0	7.16	32.42	7.16	25.36	260.8	0.127	1477	4.33	43 31.3 N
50.0	6.92	32.48	6.92	25.45	253.0	0.153	1476	3.04	68 7.0 W
60.0	6.99	32.56	6.99	25.50	248.4	0.178	1477	3.81	Depth 190 m
70.0	6.74	32.66	6.73	25.61	237.3	0.202	1476	2.9	
80.0	6.20	32.65	6.20	25.67	232.0	0.225	1474	5.9	
90.0	4.93	32.61	4.93	25.79	220.3	0.248	1469	6.6	
100.0	4.83	32.69	4.82	25.87	213.3	0.270	1469	3.2	
110.0	5.15	32.86	5.14	25.96	204.2	0.291	1470	4.7	
120.0	6.04	33.06	6.03	26.02	199.3	0.311	1474	2.7	
130.0	6.48	33.23	6.47	26.10	192.2	0.330	1477	-6.9	
140.0	5.77	33.23	5.76	26.19	183.7	0.349	1474	1.7	
150.0	6.02	33.42	6.00	26.30	172.9	0.367	1475	4.2	
160.0	6.25	33.56	6.24	26.39	165.0	0.384	1477	5.3	
170.0	6.95	33.93	6.93	26.58	147.0	0.400	1480	13.0	
180.0	8.39	34.54	8.37	26.86	121.7	0.413	1486	1.5	
186.0	8.39	34.55	8.37	26.86	121.5	0.421	1486		



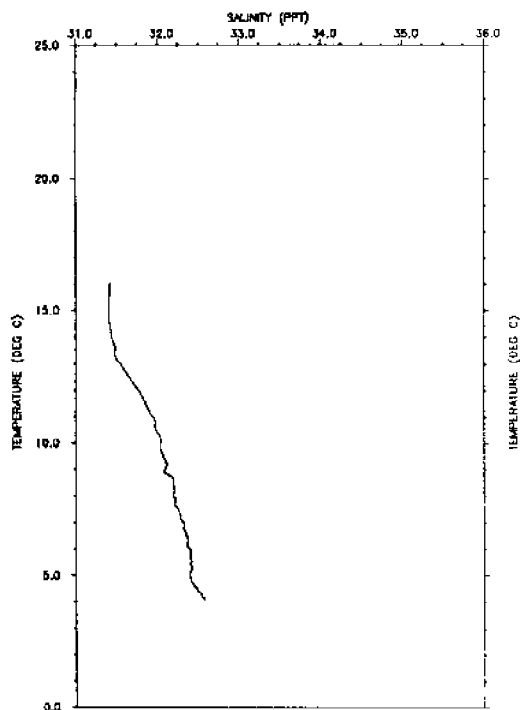
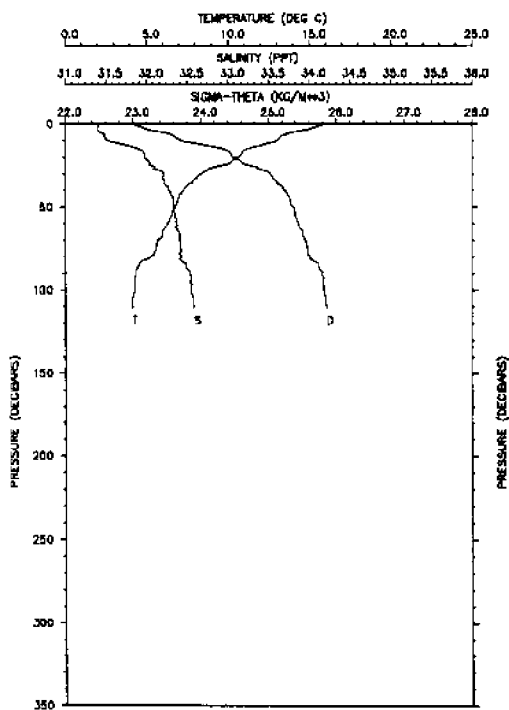
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10m <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	17.71	31.28	17.71	22.50	533.7	0.000	1511	18.65	Cruise EN165
10.0	16.37	31.59	16.36	23.04	481.5	0.050	1507	5.48	Station 107
20.0	12.45	31.96	12.45	24.15	376.5	0.094	1495	30.48	4 AUG 1987
30.0	8.09	32.31	8.09	25.15	280.8	0.126	1480	9.36	1900 UTC
40.0	6.86	32.28	6.85	25.28	268.4	0.153	1475	16.34	43 33.2 N
50.0	5.75	32.29	5.75	25.44	253.2	0.178	1471	-6.03	68 20.0 W
60.0	5.22	32.34	5.21	25.55	243.5	0.203	1469	7.20	Depth 203 m
70.0	5.26	32.46	5.25	25.63	235.3	0.227	1470	2.6	
80.0	5.06	32.53	5.05	25.71	228.1	0.250	1469	5.3	
90.0	5.12	32.71	5.12	25.84	215.3	0.272	1470	6.2	
100.0	5.42	32.83	5.42	25.91	209.2	0.294	1471	5.7	
110.0	5.42	32.92	5.41	25.98	202.9	0.314	1472	2.1	
120.0	5.28	32.97	5.27	26.04	197.5	0.334	1471	5.3	
130.0	5.41	33.10	5.40	26.12	189.5	0.354	1472	1.8	
140.0	5.74	33.27	5.73	26.22	180.7	0.372	1474	5.6	
150.0	6.06	33.54	6.05	26.39	164.2	0.390	1476	6.6	
160.0	6.51	33.76	6.50	26.51	153.4	0.405	1478	3.4	
170.0	6.56	33.78	6.54	26.52	153.0	0.421	1478	1.2	
180.0	6.60	33.80	6.58	26.53	152.2	0.436	1479	2.2	
190.0	6.64	33.81	6.62	26.54	151.7	0.451	1479	-0.7	
192.0	6.64	33.82	6.63	26.54	151.6	0.454	1479		



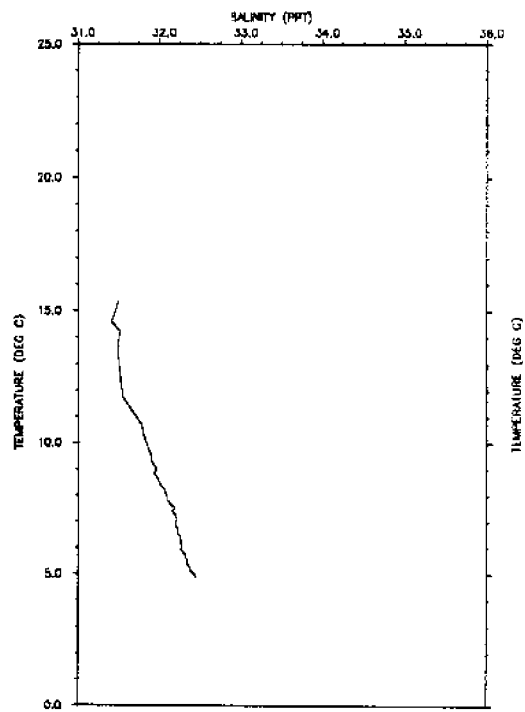
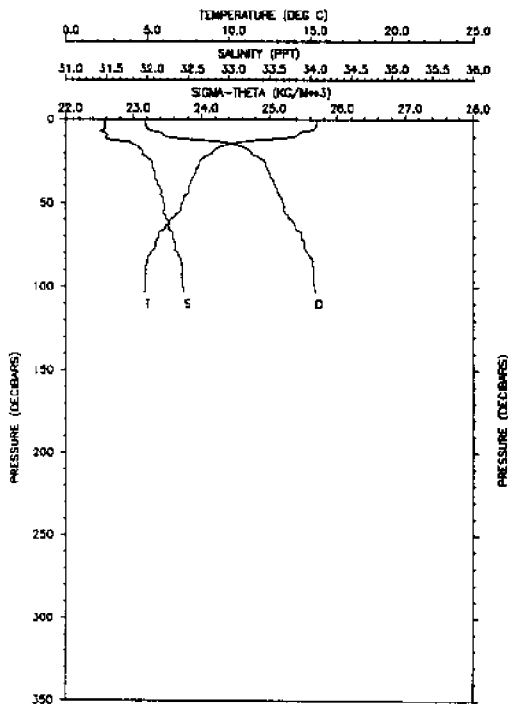
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	15.39	31.66	15.39	23.32	455.4	0.000	1504	10.85	Cruise EN165
10.0	14.02	31.71	14.01	23.65	424.1	0.044	1500	15.12	Station 108
20.0	9.73	31.95	9.73	24.61	331.9	0.082	1485	15.10	4 AUG 1987
30.0	8.22	32.05	8.21	24.93	302.3	0.114	1480	7.54	2030 UTC
40.0	6.44	32.11	6.44	25.22	274.4	0.143	1474	17.37	43 35.5 N
50.0	6.06	32.28	6.06	25.40	257.3	0.169	1472	11.34	68 35.0 W
60.0	5.74	32.50	5.74	25.61	237.7	0.194	1472	2.48	Depth 122 m
70.0	5.69	32.57	5.68	25.67	231.5	0.217	1472	5.0	
80.0	5.33	32.68	5.32	25.80	219.5	0.240	1470	3.3	
90.0	5.34	32.81	5.33	25.90	209.9	0.261	1471	3.6	
100.0	5.31	32.88	5.30	25.96	204.7	0.282	1471	5.1	
110.0	5.19	32.98	5.18	26.06	195.5	0.302	1471	9.9	
115.0	5.29	33.05	5.28	26.10	191.3	0.312	1471		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	16.38	31.69	16.38	23.12	474.5	0.000	1507	6.65	Cruise EN165
10.0	12.68	31.77	12.68	23.95	394.9	0.045	1495	8.34	Station 109
20.0	9.02	32.14	9.02	24.68	306.8	0.081	1483	7.77	4 AUG 1987
30.0	7.37	32.29	7.37	25.24	272.7	0.109	1477	6.54	2130 UTC
40.0	6.50	32.39	6.49	25.43	254.0	0.136	1474	9.12	43 38.0 N
50.0	6.49	32.46	6.49	25.49	249.2	0.161	1474	2.63	68 49.5 W
60.0	5.96	32.48	5.95	25.57	241.4	0.186	1472	5.85	Depth 115 m
70.0	5.47	32.52	5.47	25.66	233.2	0.209	1471	8.2	
80.0	5.21	32.63	5.20	25.77	222.0	0.232	1470	10.3	
90.0	5.17	32.75	5.16	25.88	212.3	0.253	1470	7.2	
100.0	5.23	32.89	5.22	25.97	203.1	0.274	1471	2.1	
110.0	5.24	32.92	5.23	26.00	200.8	0.294	1471	2.9	
111.0	5.24	32.92	5.23	26.00	200.6	0.296	1471		

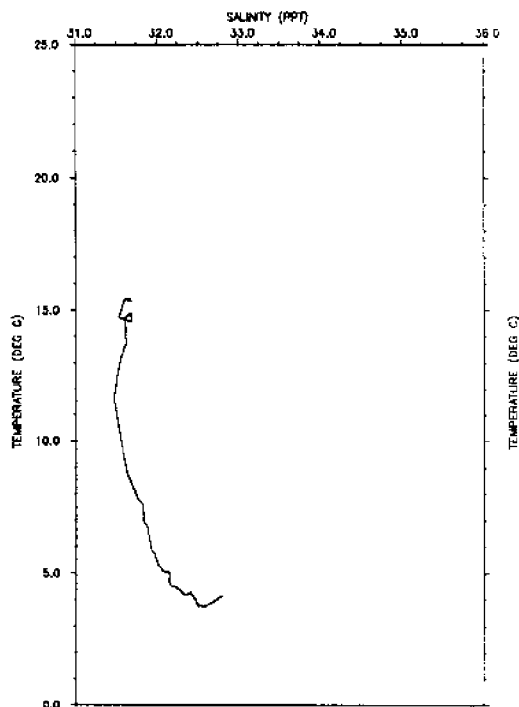
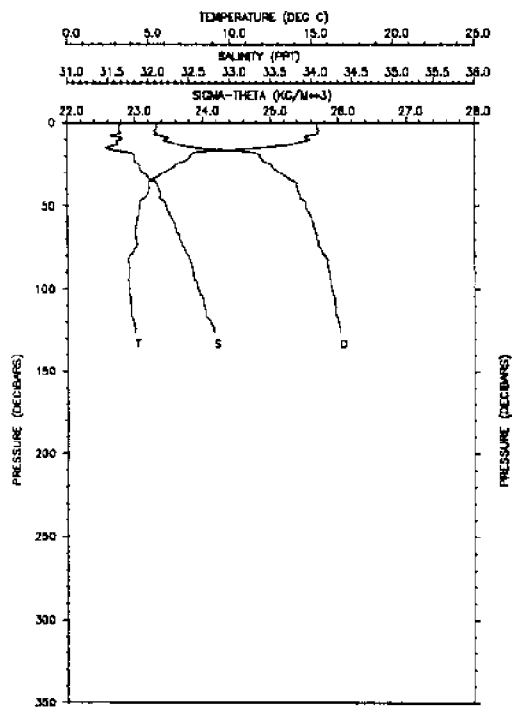


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	18.06	31.42	18.06	22.98	487.4	0.000	1506	15.27	Cruise EN165
10.0	13.01	31.55	13.01	23.72	417.2	0.045	1496	12.53	Station 110
20.0	10.68	31.97	10.67	24.47	345.3	0.082	1489	14.16	4 AUG 1987
30.0	8.31	32.21	8.31	25.04	291.6	0.114	1481	9.17	2245 UTC
40.0	7.31	32.28	7.30	25.23	273.1	0.142	1477	8.13	43 40.0 N
50.0	6.67	32.35	6.66	25.37	260.0	0.169	1475	5.86	69 5.0 W
60.0	6.30	32.37	6.30	25.44	254.0	0.194	1474	6.18	Depth 119 m
70.0	5.71	32.41	5.71	25.54	244.0	0.219	1471	6.4	
80.0	5.29	32.43	5.28	25.61	237.7	0.243	1470	2.6	
90.0	4.34	32.54	4.33	25.80	219.8	0.266	1466	3.1	
100.0	4.27	32.55	4.26	25.81	218.1	0.288	1466	-2.3	
110.0	4.13	32.58	4.12	25.85	214.7	0.310	1466	2.4	
111.0	4.10	32.58	4.10	25.85	214.5	0.312	1466		

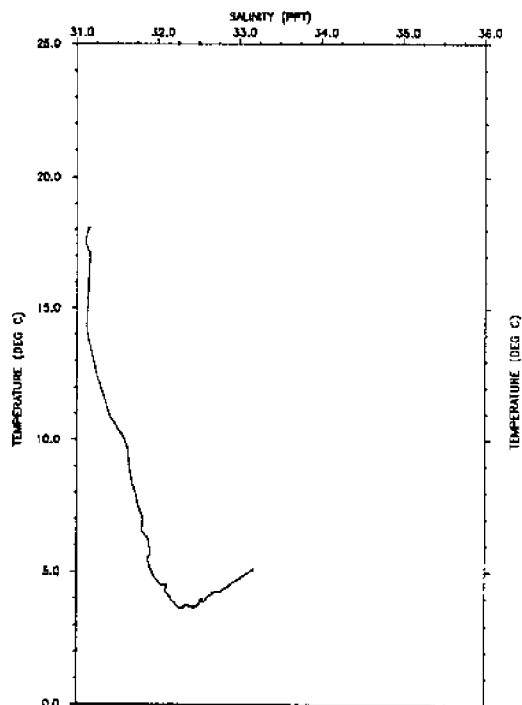
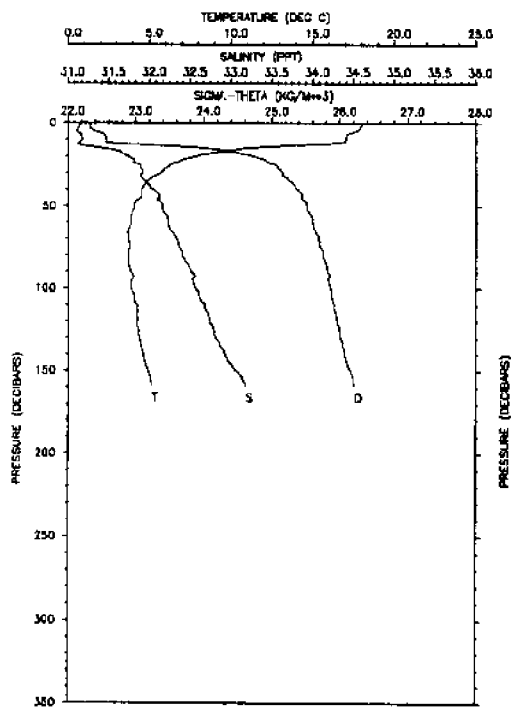


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	15.40	31.48	15.40	23.18	468.6	0.000	1504	2.14	Cruise EN165
10.0	14.01	31.50	14.01	23.49	439.4	0.046	1500	17.36	Station 111
20.0	8.99	31.96	8.98	24.74	319.7	0.082	1483	-2.42	4 AUG 1987
30.0	8.01	32.08	8.01	24.98	296.9	0.112	1479	6.62	2352 UTC
40.0	7.60	32.15	7.60	25.09	286.8	0.141	1478	7.21	43 42.2 N
50.0	7.14	32.21	7.13	25.20	276.2	0.169	1477	4.89	69 18.0 W
60.0	6.41	32.26	6.41	25.33	263.7	0.197	1474	3.67	Depth 112 m
70.0	5.89	32.32	5.88	25.47	250.5	0.222	1471	3.4	
80.0	5.23	32.37	5.22	25.57	241.4	0.247	1470	5.6	
90.0	4.92	32.43	4.92	25.65	233.7	0.271	1469	1.2	
100.0	4.91	32.44	4.90	25.66	233.1	0.294	1469	4.8	
103.0	4.86	32.45	4.85	25.67	231.6	0.301	1469		

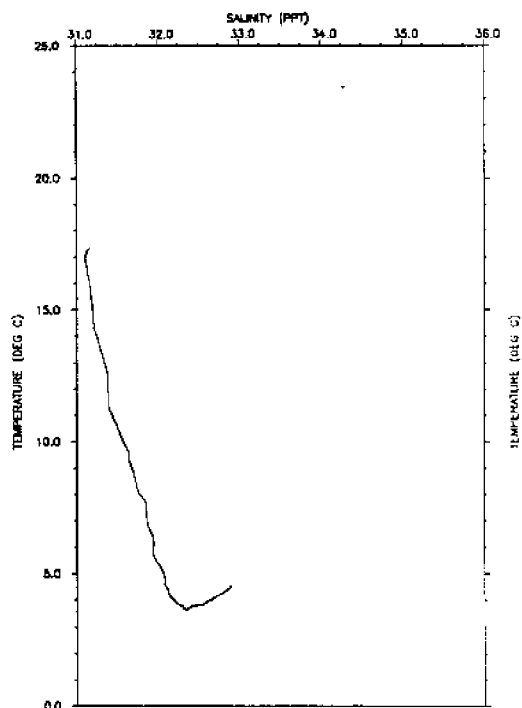
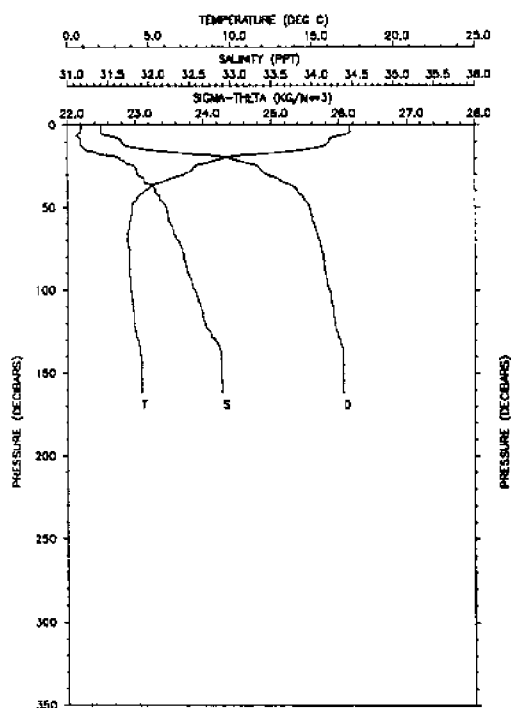




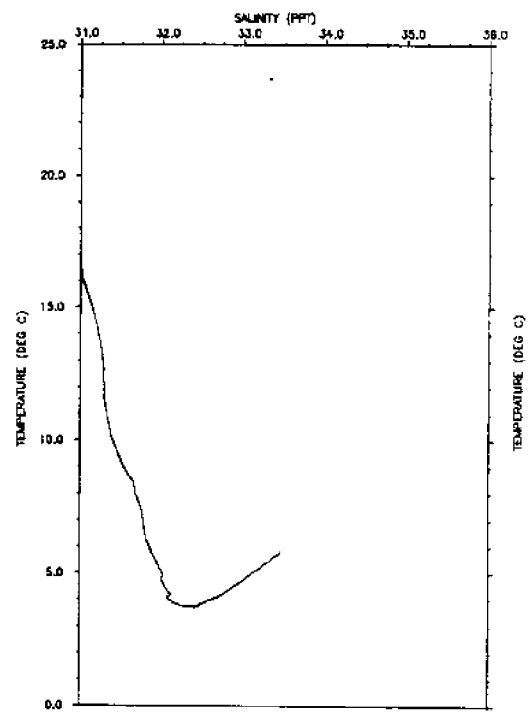
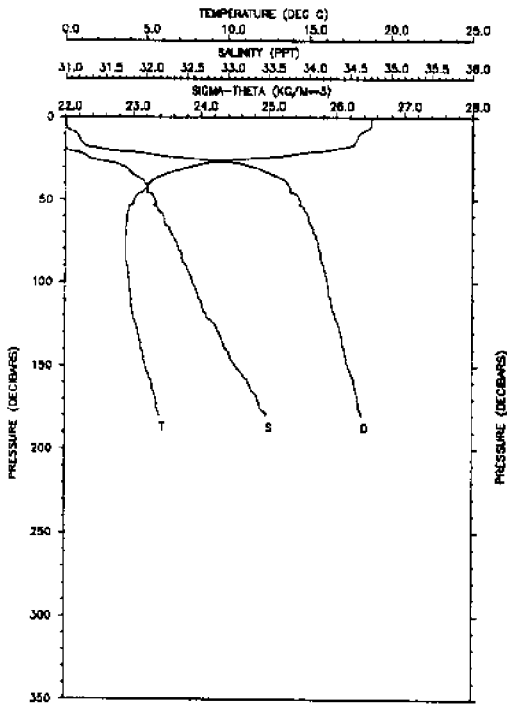
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	mt³/kg	10mt²/st²	m/sec	cph	
0.0	15.34	31.68	15.34	23.34	453.2	0.000	1504	-6.59	Cruise EN165
10.0	14.90	31.68	14.90	23.43	444.4	0.045	1503	-7.40	Station 112
20.0	7.59	31.83	7.59	24.84	310.2	0.084	1477	5.32	5 AUG 1987
30.0	5.88	31.93	5.87	25.15	281.2	0.113	1471	12.28	0100 UTC
40.0	5.06	32.13	5.06	25.39	257.7	0.140	1468	6.51	43 32.0 N
50.0	4.49	32.21	4.49	25.52	245.5	0.165	1466	3.29	69 19.9 W
60.0	4.27	32.31	4.26	25.62	236.1	0.189	1465	4.91	Depth 126 m
70.0	4.22	32.38	4.21	25.68	230.2	0.212	1465	5.2	
80.0	3.84	32.49	3.83	25.80	219.0	0.235	1464	7.1	
90.0	3.79	32.54	3.78	25.85	214.2	0.257	1464	3.5	
100.0	3.81	32.61	3.80	25.90	209.6	0.278	1464	5.1	
110.0	3.91	32.68	3.91	25.95	205.4	0.299	1465	4.1	
120.0	4.08	32.76	4.07	26.00	200.7	0.319	1466	4.8	
126.0	4.16	32.80	4.16	26.02	198.8	0.331	1467		



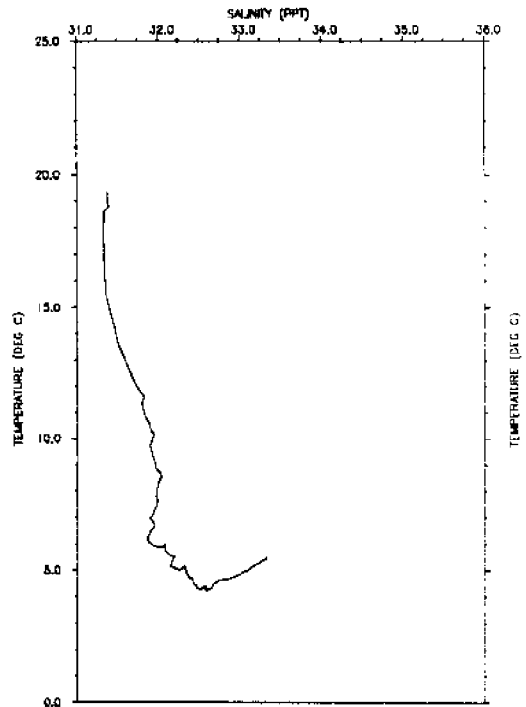
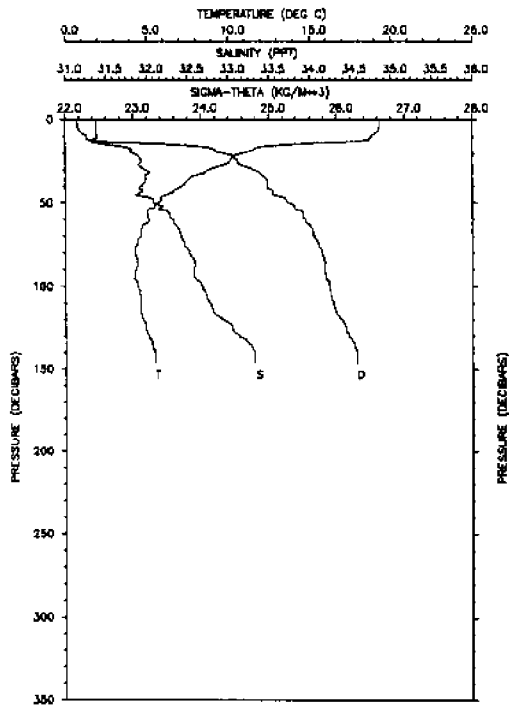
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mf <sup>3</sup> /kg	10mf <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	18.08	31.16	18.08	22.32	550.8	0.000	1512	3.99	Cruise EN165
10.0	17.05	31.17	17.05	22.56	527.6	0.054	1509	-1.35	Station 113
20.0	7.83	31.74	7.83	24.74	319.7	0.096	1478	12.82	5 AUG 1987
30.0	5.68	31.92	5.67	25.16	280.2	0.125	1470	-6.22	0207 UTC
40.0	4.53	32.04	4.53	25.38	258.7	0.152	1466	9.02	43 22.8 N
50.0	4.07	32.16	4.06	25.52	245.7	0.177	1464	3.62	69 21.5 W
60.0	3.83	32.23	3.83	25.60	238.3	0.201	1463	2.31	Depth 172 m
70.0	3.69	32.33	3.68	25.69	229.4	0.225	1463	3.1	
80.0	3.72	32.40	3.72	25.75	224.1	0.247	1463	4.5	
90.0	3.85	32.51	3.85	25.82	216.9	0.269	1464	6.3	
100.0	3.87	32.56	3.87	25.86	213.9	0.291	1465	5.9	
110.0	4.22	32.68	4.21	25.92	208.1	0.312	1466	-5.8	
120.0	4.28	32.74	4.27	25.97	203.9	0.333	1467	-1.2	
130.0	4.36	32.81	4.35	26.01	199.8	0.353	1467	4.8	
140.0	4.60	32.92	4.59	26.07	194.1	0.373	1469	4.0	
150.0	4.88	33.07	4.87	26.16	185.9	0.392	1470	3.9	
159.0	5.14	33.18	5.13	26.22	180.6	0.408	1472		



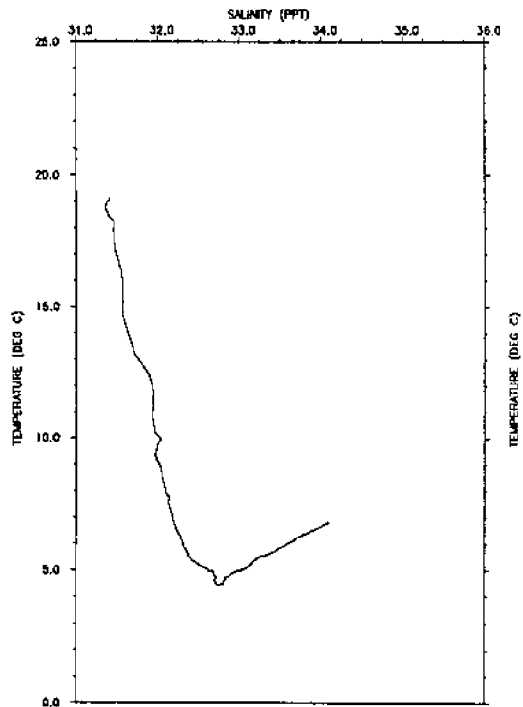
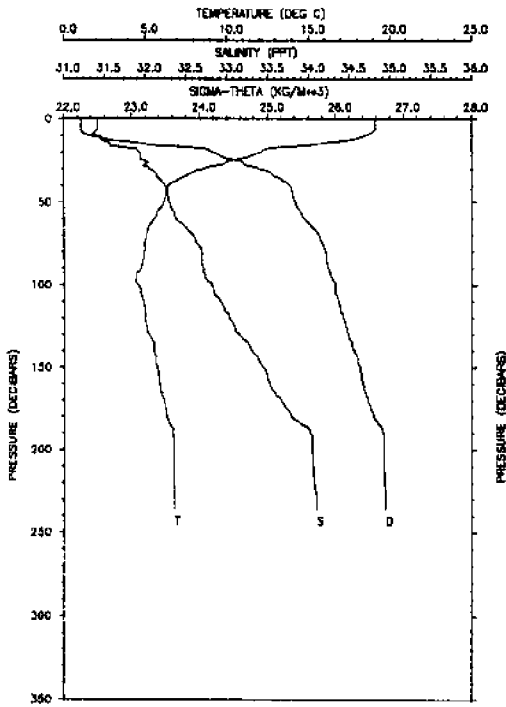
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	17.34	31.16	17.34	22.49	533.8	0.000	1509	0.73	Cruise EN165
10.0	16.04	31.17	16.04	22.80	505.1	0.053	1506	6.36	Station 114
20.0	9.59	31.65	9.58	24.40	352.0	0.097	1485	12.73	5 AUG 1987
30.0	7.10	31.86	7.15	24.93	301.8	0.130	1476	14.76	0322 UTC
40.0	4.77	32.09	4.77	25.39	257.7	0.157	1467	3.92	43 12.3 N
50.0	3.95	32.21	3.95	25.57	240.5	0.182	1464	3.62	69 23.0 W
60.0	3.82	32.27	3.82	25.63	235.0	0.206	1463	3.92	Depth 174 m
70.0	3.67	32.35	3.66	25.71	227.7	0.229	1463	6.7	
80.0	3.81	32.43	3.80	25.76	222.8	0.251	1464	1.8	
90.0	3.82	32.48	3.81	25.80	219.2	0.274	1464	3.8	
100.0	3.87	32.56	3.87	25.86	213.8	0.295	1465	4.3	
110.0	4.01	32.63	4.01	25.90	209.6	0.316	1465	3.5	
120.0	4.10	32.69	4.09	25.94	206.5	0.337	1466	1.1	
130.0	4.32	32.82	4.31	26.02	198.8	0.358	1467	2.5	
140.0	4.49	32.88	4.48	26.05	195.7	0.377	1468	2.8	
150.0	4.52	32.90	4.51	26.06	195.3	0.397	1469	-0.6	
160.0	4.53	32.90	4.52	26.06	195.2	0.416	1469	0.4	
162.0	4.54	32.90	4.53	26.06	195.0	0.420	1469		



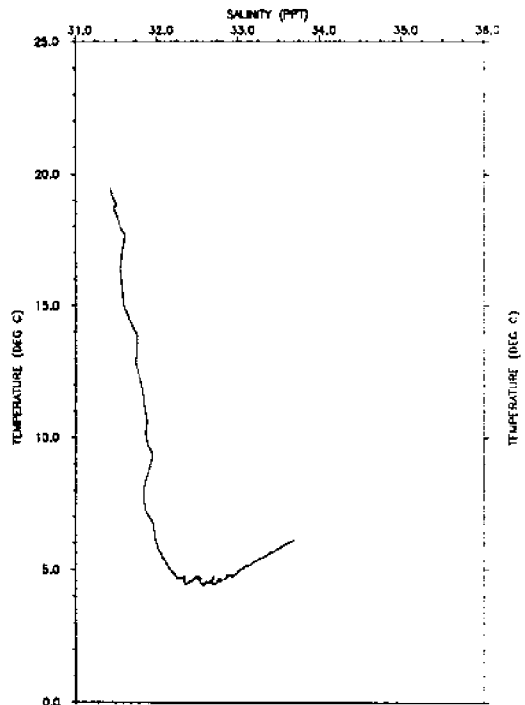
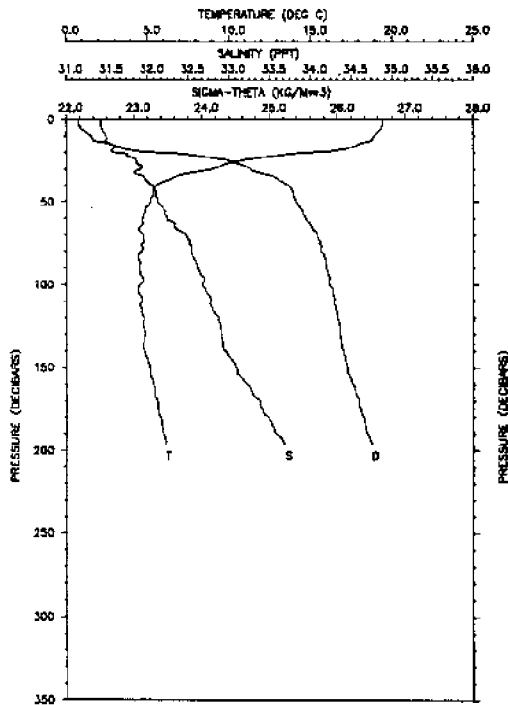
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	18.75	30.98	18.75	22.02	579.5	0.000	1513	-2.32	Cruise EN165
10.0	18.04	30.97	18.04	22.18	564.2	0.058	1511	6.11	Station 115
20.0	15.97	31.03	15.96	22.71	513.9	0.113	1505	30.10	5 AUG 1987
30.0	7.62	31.74	7.62	24.77	317.0	0.154	1477	14.69	0437 UTC
40.0	5.17	31.98	5.17	25.26	270.2	0.182	1468	10.28	43 1.7 N
50.0	4.26	32.09	4.26	25.45	252.3	0.209	1465	9.00	69 24.1 W
60.0	3.85	32.21	3.84	25.58	239.9	0.233	1463	2.49	Depth 193 m
70.0	3.75	32.30	3.74	25.66	231.9	0.257	1463	5.4	
80.0	3.75	32.39	3.75	25.74	225.0	0.280	1464	5.1	
90.0	3.85	32.49	3.84	25.81	218.7	0.302	1464	4.3	
100.0	3.96	32.57	3.95	25.86	214.0	0.323	1465	4.1	
110.0	4.06	32.65	4.06	25.91	208.6	0.345	1466	3.3	
120.0	4.18	32.74	4.17	25.97	203.6	0.365	1466	3.9	
130.0	4.49	32.89	4.48	26.06	195.3	0.385	1468	3.3	
140.0	4.68	32.99	4.67	26.11	190.1	0.404	1469	2.7	
150.0	4.96	33.09	4.95	26.17	185.0	0.423	1471	5.5	
160.0	5.31	33.25	5.30	26.25	177.3	0.441	1472	3.7	
170.0	5.59	33.36	5.57	26.31	172.1	0.459	1474	2.7	
180.0	5.83	33.47	5.81	26.36	167.4	0.476	1475		



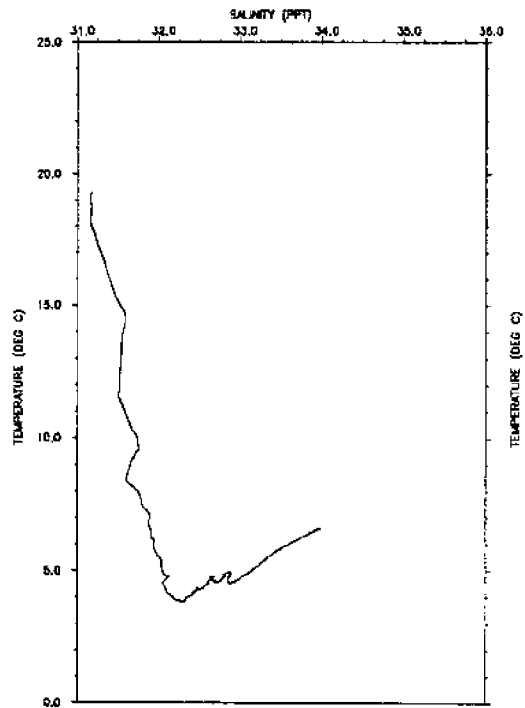
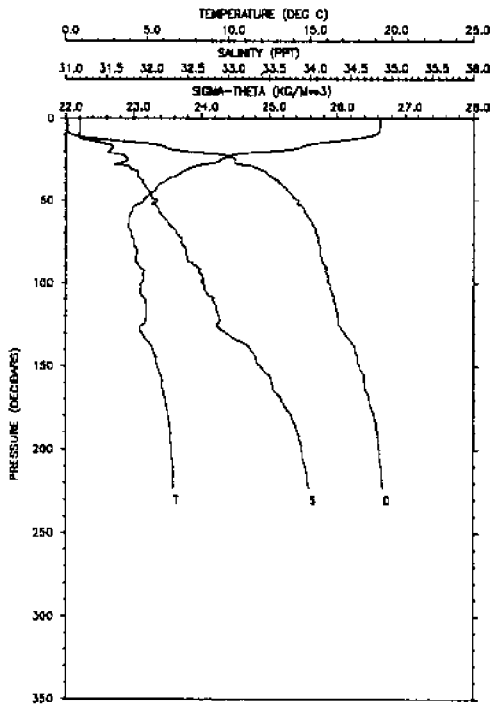
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	m³/kg	10m²/st²	m/sec	cph	
0.0	19.33	31.38	19.33	22.18	564.1	0.000	1516	1.70	Cruise EN165
10.0	18.82	31.40	18.82	22.32	551.3	0.056	1514	5.32	Station 116
20.0	10.87	31.84	10.87	24.34	358.4	0.101	1489	17.63	5 AUG 1987
30.0	8.85	31.98	8.84	24.78	316.3	0.135	1482	13.19	0615 UTC
40.0	7.18	31.93	7.17	24.98	297.1	0.165	1478	1.13	42 51.0 N
50.0	5.73	32.09	5.73	25.29	267.9	0.193	1471	14.69	69 25.2 W
60.0	5.15	32.33	5.15	25.55	243.4	0.219	1469	-3.12	Depth 149 m
70.0	4.63	32.43	4.63	25.68	230.7	0.242	1467	2.2	
80.0	4.32	32.53	4.32	25.79	220.5	0.265	1466	2.4	
90.0	4.34	32.59	4.33	25.83	216.3	0.287	1466	3.4	
100.0	4.47	32.68	4.47	25.89	210.8	0.308	1467	3.5	
110.0	4.65	32.78	4.64	25.95	205.2	0.329	1468	4.6	
120.0	4.76	32.94	4.75	26.07	193.9	0.349	1469	8.1	
130.0	5.11	33.13	5.10	26.18	184.0	0.368	1471	8.3	
140.0	5.49	33.33	5.48	26.30	173.0	0.385	1473	-1.2	
146.0	5.50	33.33	5.49	26.30	173.1	0.396	1473		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	mt3/kg	10mt2/st2	m/sec	cph	
0.0	19.09	31.41	19.09	22.26	556.4	0.000	1515	-1.04	Cruise EN165
10.0	18.46	31.40	18.46	22.41	542.5	0.056	1513	18.74	Station 117
20.0	12.02	31.93	12.02	24.20	371.5	0.101	1494	13.30	5 AUG 1987
30.0	8.58	32.06	8.58	24.88	306.5	0.135	1482	17.71	0722 UTC
40.0	6.44	32.25	6.43	25.32	264.5	0.164	1474	8.21	42 41.1 N
50.0	6.12	32.30	6.12	25.41	256.6	0.190	1473	5.56	69 27.0 W
60.0	5.55	32.38	5.55	25.54	244.4	0.215	1471	9.57	Depth 240 m
70.0	5.07	32.59	5.07	25.76	223.5	0.238	1469	7.2	
80.0	4.93	32.69	4.92	25.85	214.7	0.260	1469	4.7	
90.0	4.74	32.71	4.74	25.89	210.9	0.281	1468	6.4	
100.0	4.58	32.81	4.57	25.99	201.7	0.302	1468	6.4	
110.0	4.88	32.92	4.87	26.04	198.8	0.322	1469	4.3	
120.0	4.99	33.03	4.98	26.11	190.1	0.341	1470	6.3	
130.0	5.25	33.16	5.24	26.19	182.9	0.360	1472	-5.4	
140.0	5.53	33.31	5.52	26.27	175.2	0.378	1473	5.3	
150.0	5.72	33.45	5.71	26.36	167.3	0.395	1474	5.7	
160.0	5.88	33.53	5.86	26.41	163.2	0.411	1475	1.7	
170.0	6.13	33.67	6.12	26.48	156.0	0.427	1476	1.8	
180.0	6.34	33.79	6.33	26.56	149.3	0.443	1478	4.3	
190.0	6.69	34.03	6.68	26.70	136.5	0.457	1479	5.2	
200.0	6.75	34.05	6.73	26.71	135.4	0.470	1480	1.7	
210.0	6.76	34.06	6.74	26.71	135.1	0.484	1480	0.8	
220.0	6.78	34.08	6.76	26.72	134.3	0.497	1480	1.2	
230.0	6.80	34.10	6.77	26.74	133.3	0.511	1480	0.8	
236.0	6.80	34.10	6.78	26.74	133.0	0.519	1481		

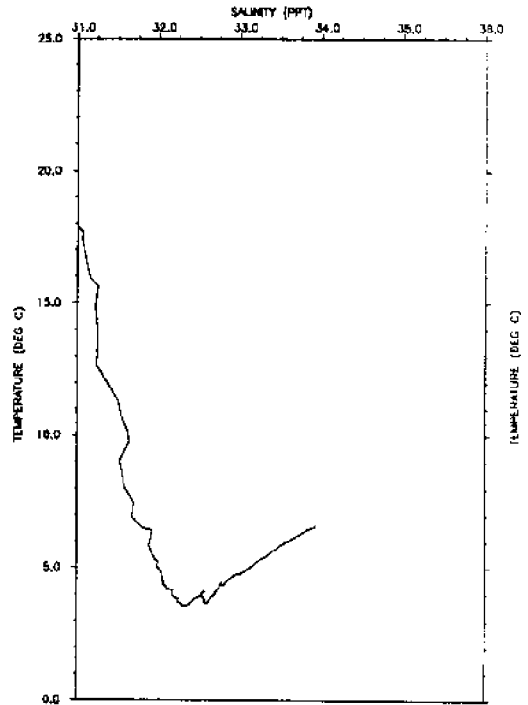
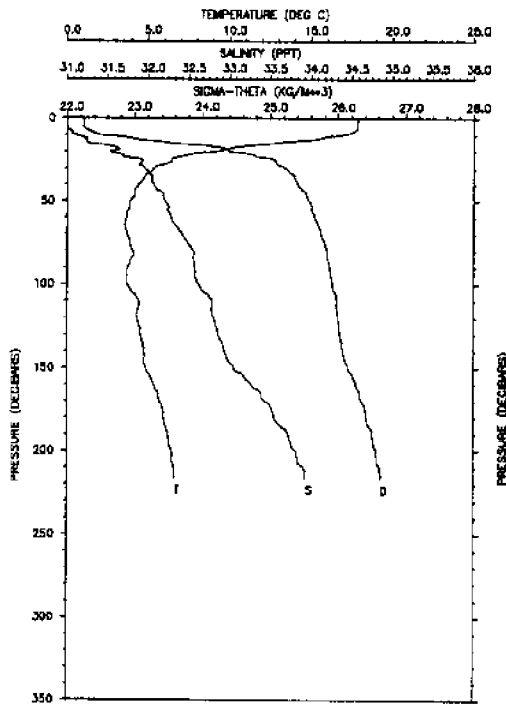


P	T	S	PT	STH	SPVA	DH	SNO V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	19.44	31.43	19.44	22.19	563.4	0.000	1516	1.26	Cruise EN165
10.0	18.88	31.49	18.88	22.37	545.6	0.056	1515	5.73	Station 118
20.0	14.91	31.60	14.91	23.37	450.6	0.108	1503	33.09	5 AUG 1987
30.0	8.84	31.91	8.84	24.72	321.5	0.144	1482	9.54	0837 UTC
40.0	5.54	32.06	5.53	25.29	267.9	0.173	1470	6.72	42 40.0 N
50.0	5.18	32.13	5.17	25.38	258.8	0.199	1469	6.08	69 36.5 W
60.0	4.70	32.25	4.70	25.53	245.0	0.224	1467	3.75	Depth 280 m
70.0	4.76	32.47	4.75	25.70	229.0	0.248	1468	4.1	
80.0	4.64	32.53	4.64	25.76	223.5	0.271	1467	7.3	
90.0	4.51	32.61	4.51	25.84	216.0	0.292	1467	4.8	
100.0	4.51	32.67	4.50	25.88	211.9	0.314	1467	8.0	
110.0	4.65	32.78	4.64	25.95	205.3	0.334	1468	-4.0	
120.0	4.83	32.87	4.82	26.01	200.0	0.355	1469	-2.6	
130.0	4.84	32.91	4.83	26.04	197.3	0.375	1470	2.1	
140.0	4.81	32.96	4.80	26.08	193.6	0.394	1470	4.6	
150.0	5.14	33.09	5.12	26.15	187.3	0.413	1471	3.0	
160.0	5.35	33.22	5.33	26.22	180.2	0.432	1472	7.7	
170.0	5.62	33.38	5.61	26.32	171.3	0.449	1474	-1.7	
180.0	5.78	33.48	5.76	26.38	165.8	0.466	1475	5.3	
190.0	5.95	33.58	5.93	26.44	160.6	0.483	1476	8.1	
196.0	6.13	33.69	6.12	26.50	154.7	0.492	1477		

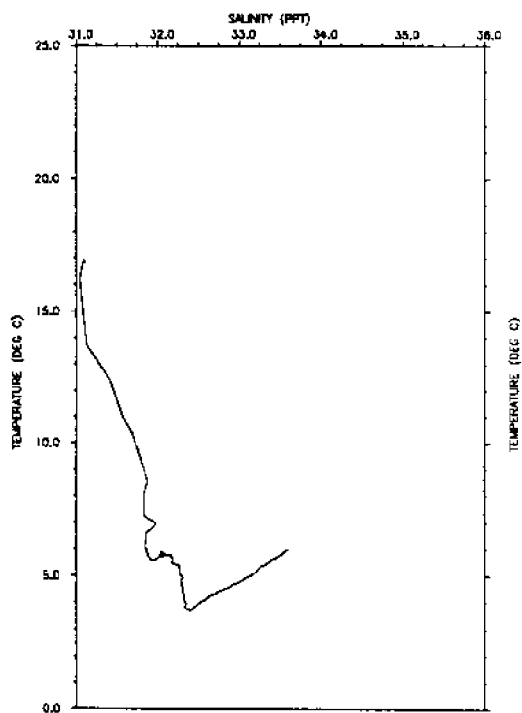
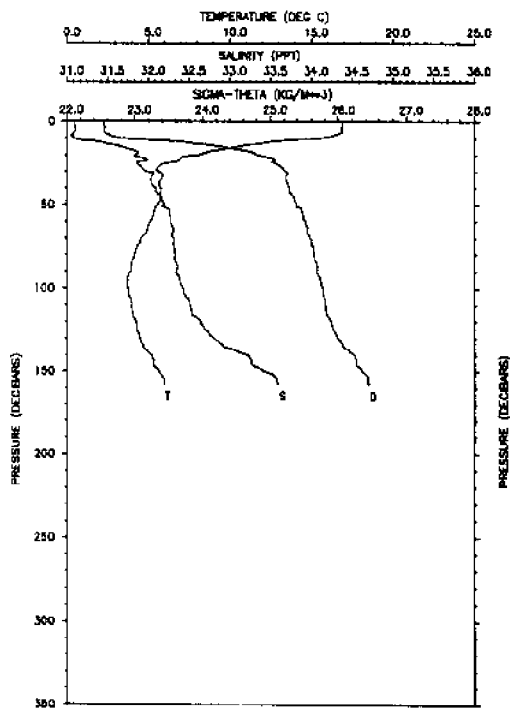


P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/mt3	mt3/kg	10mt2/st2	m/sec	cpH	
0.0	19.28	31.17	19.28	22.02	578.9	0.000	1515	-0.82	Cruise EN165
10.0	19.01	31.16	19.01	22.09	572.9	0.058	1515	15.47	Station 119
20.0	12.87	31.53	12.87	23.73	416.0	0.107	1496	27.22	5 AUG 1987
30.0	7.68	31.79	7.67	24.80	314.4	0.142	1478	12.33	1000 UTC
40.0	5.83	31.95	5.83	25.16	279.8	0.171	1471	10.17	42 47.9 N
50.0	4.80	32.14	4.79	25.43	254.3	0.198	1467	-5.88	69 44.0 W
60.0	3.91	32.19	3.91	25.56	241.9	0.223	1464	8.44	Depth 257 m
70.0	4.02	32.38	4.01	25.69	230.0	0.246	1464	4.8	
80.0	4.37	32.48	4.37	25.75	224.4	0.269	1466	-2.2	
90.0	4.53	32.62	4.52	25.84	215.8	0.291	1467	-7.6	
100.0	4.63	32.68	4.63	25.87	212.5	0.313	1468	8.9	
110.0	4.88	32.80	4.87	25.94	206.2	0.333	1469	4.4	
120.0	4.94	32.88	4.93	26.00	200.8	0.354	1470	2.7	
130.0	4.65	32.97	4.64	26.11	190.5	0.374	1469	6.4	
140.0	5.34	33.27	5.33	26.27	175.8	0.392	1472	-3.7	
150.0	5.61	33.38	5.60	26.32	170.9	0.409	1474	7.1	
160.0	5.92	33.53	5.90	26.40	163.5	0.428	1475	2.3	
170.0	6.11	33.65	6.09	26.47	157.2	0.442	1476	2.7	
180.0	6.30	33.77	6.29	26.54	150.7	0.457	1477	3.8	
190.0	6.42	33.86	6.40	26.60	145.8	0.472	1478	-2.0	
200.0	6.51	33.90	6.49	26.62	143.8	0.487	1479	1.8	
210.0	6.57	33.94	6.56	26.65	141.6	0.501	1479	1.9	
220.0	6.60	33.97	6.58	26.66	140.2	0.515	1479	3.1	
223.0	6.82	33.99	6.60	26.68	138.9	0.519	1480		

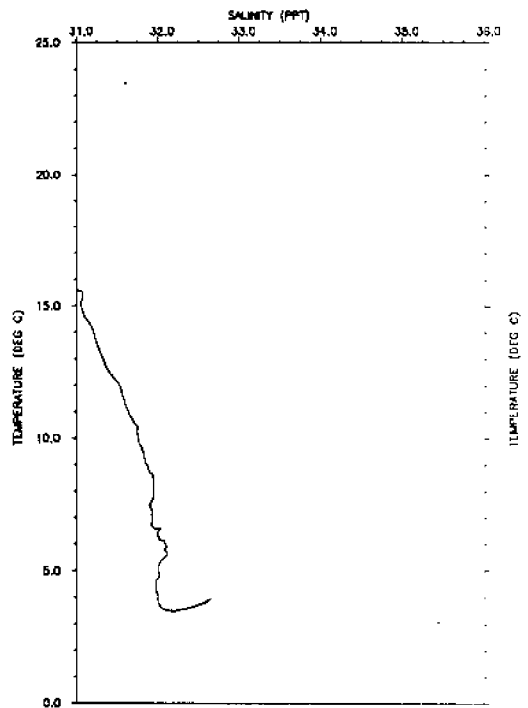
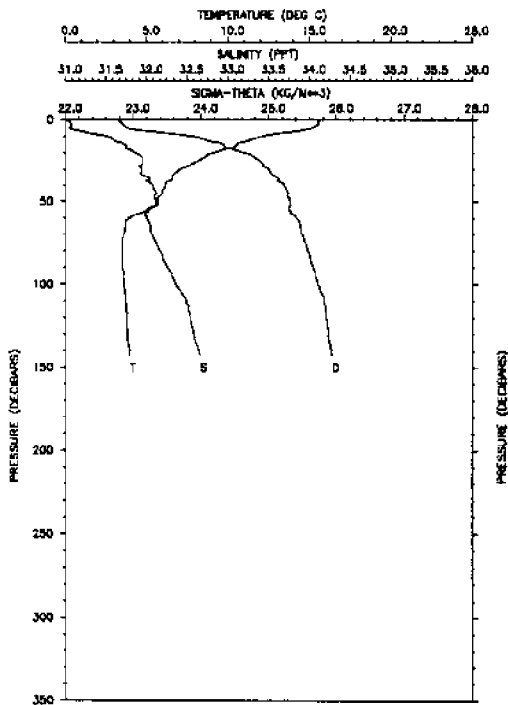




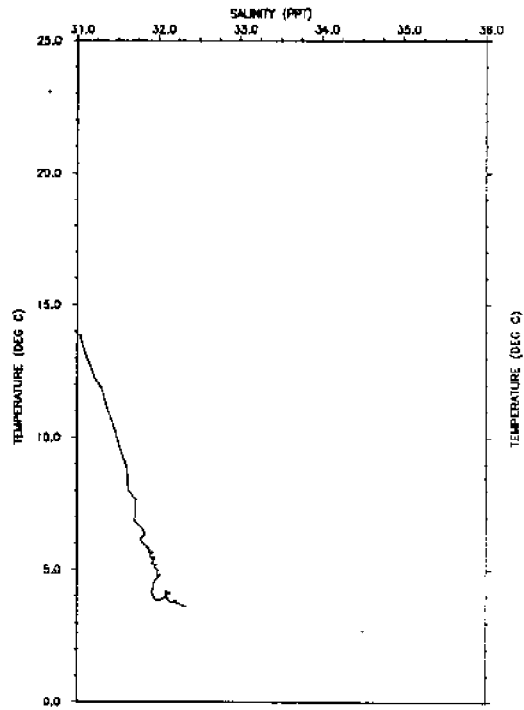
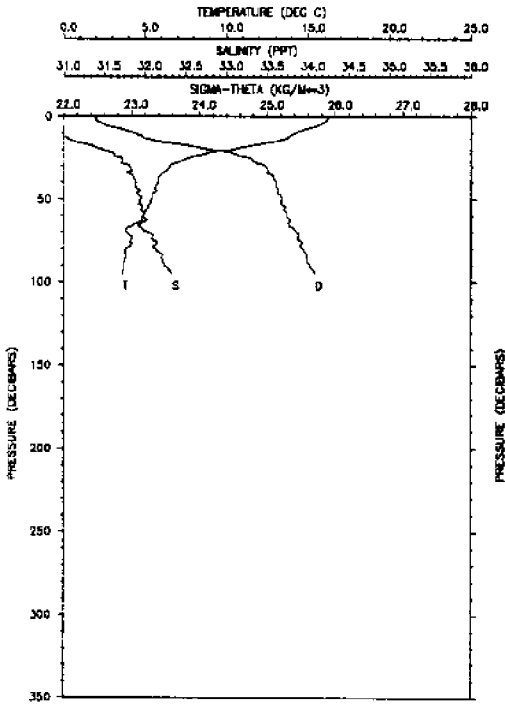
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	17.87	31.01	17.87	22.25	557.2	0.000	1511	-1.16	Cruise EN165
10.0	16.78	30.97	16.78	22.47	538.1	0.055	1508	33.13	Station 120
20.0	9.04	31.53	9.04	24.39	352.9	0.098	1482	24.94	5 AUG 1987
30.0	5.37	31.96	5.37	25.22	273.8	0.128	1469	9.18	1130 UTC
40.0	4.44	32.07	4.44	25.41	255.6	0.155	1465	2.44	42 57.0 N
50.0	3.91	32.21	3.90	25.58	240.3	0.179	1463	5.89	69 51.0 W
60.0	3.67	32.28	3.67	25.65	232.9	0.203	1463	5.13	Depth 224 m
70.0	3.73	32.41	3.73	25.75	223.5	0.226	1463	6.6	
80.0	4.07	32.58	4.06	25.84	215.5	0.248	1465	3.7	
90.0	3.75	32.57	3.75	25.88	211.8	0.269	1464	4.0	
100.0	3.73	32.62	3.73	25.92	208.0	0.290	1464	2.5	
110.0	4.43	32.78	4.42	25.98	202.9	0.311	1467	-1.3	
120.0	4.36	32.81	4.35	26.01	200.0	0.331	1467	1.9	
130.0	4.56	32.86	4.55	26.03	197.8	0.351	1468	2.5	
140.0	4.73	32.94	4.72	26.07	194.2	0.370	1469	4.3	
150.0	4.87	33.06	4.86	26.15	187.0	0.389	1470	4.7	
160.0	5.35	33.27	5.33	26.27	176.2	0.407	1473	5.4	
170.0	5.70	33.44	5.69	26.35	168.1	0.425	1474	8.2	
180.0	5.97	33.56	5.96	26.42	162.5	0.441	1476	4.3	
190.0	6.25	33.72	6.23	26.51	154.0	0.457	1477	2.7	
200.0	6.48	33.83	6.46	26.57	148.4	0.472	1478	-3.3	
210.0	6.58	33.91	6.56	26.62	143.8	0.487	1479	3.2	
216.0	8.64	33.93	6.62	26.63	143.2	0.495	1479		



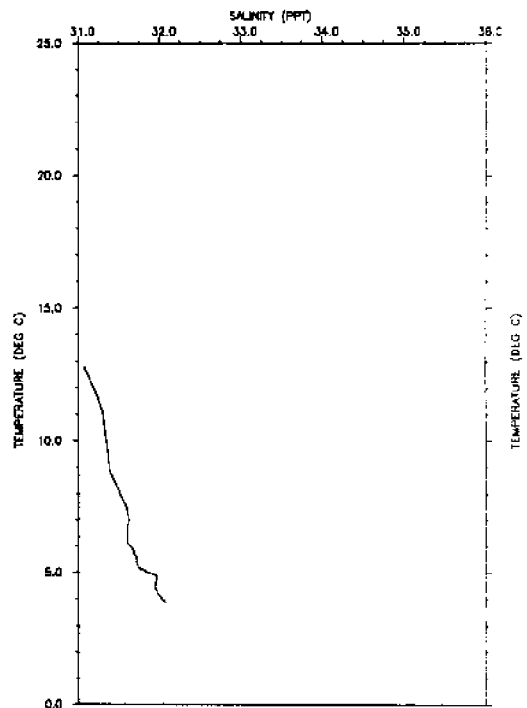
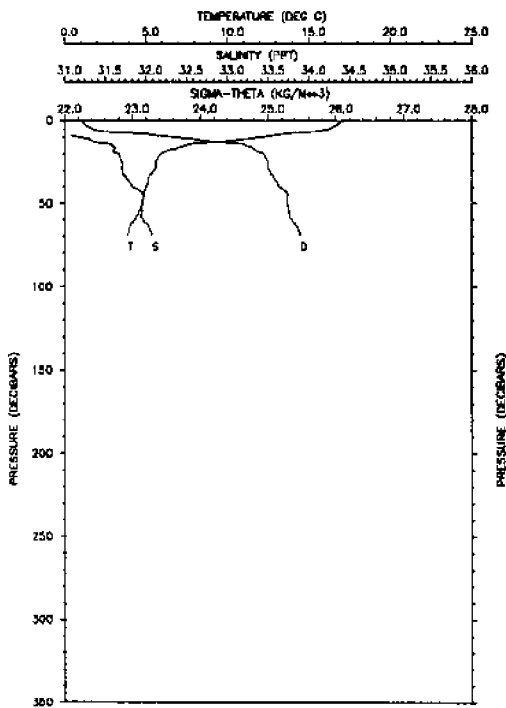
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	16.93	31.09	16.93	22.53	530.1	0.000	1508	4.78	Cruise EN165
10.0	15.46	31.00	15.46	22.79	505.8	0.053	1504	38.22	Station 121
20.0	8.09	31.84	8.09	24.78	315.9	0.090	1479	19.10	5 AUG 1987
30.0	5.60	31.98	5.59	25.21	274.7	0.119	1470	12.76	1245 UTC
40.0	5.78	32.09	5.78	25.28	268.6	0.146	1471	-2.17	43 4.9 N
50.0	5.57	32.19	5.57	25.39	258.5	0.173	1470	-3.27	69 57.5 W
60.0	5.10	32.28	5.10	25.51	246.7	0.198	1469	4.54	Depth 177 m
70.0	4.54	32.31	4.54	25.59	239.0	0.222	1467	5.5	
80.0	4.21	32.33	4.20	25.64	234.0	0.246	1465	1.4	
90.0	3.90	32.35	3.89	25.69	229.9	0.269	1464	-1.0	
100.0	3.76	32.43	3.76	25.76	222.8	0.291	1464	-0.8	
110.0	3.99	32.51	3.98	25.81	218.6	0.314	1465	3.4	
120.0	4.25	32.64	4.25	25.89	211.3	0.335	1467	3.2	
130.0	4.46	32.81	4.45	26.00	201.2	0.356	1468	4.8	
140.0	5.17	33.23	5.16	26.25	177.1	0.375	1471	-4.5	
150.0	5.61	33.42	5.60	26.35	168.0	0.393	1474	8.8	
158.0	5.98	33.60	5.97	26.45	158.9	0.405	1475		



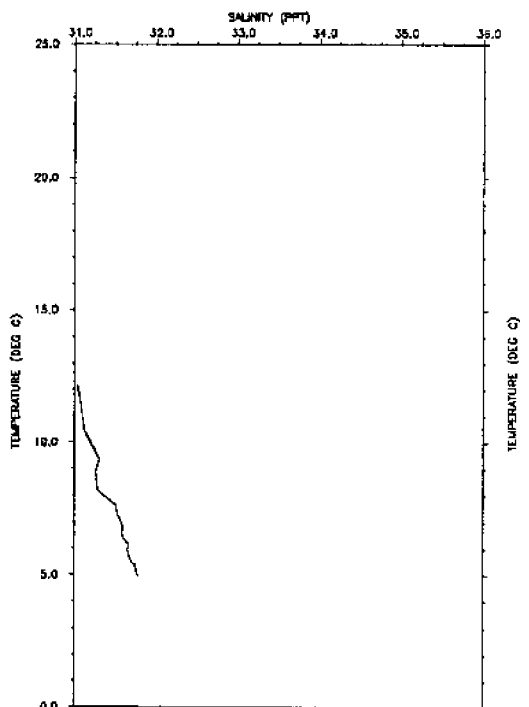
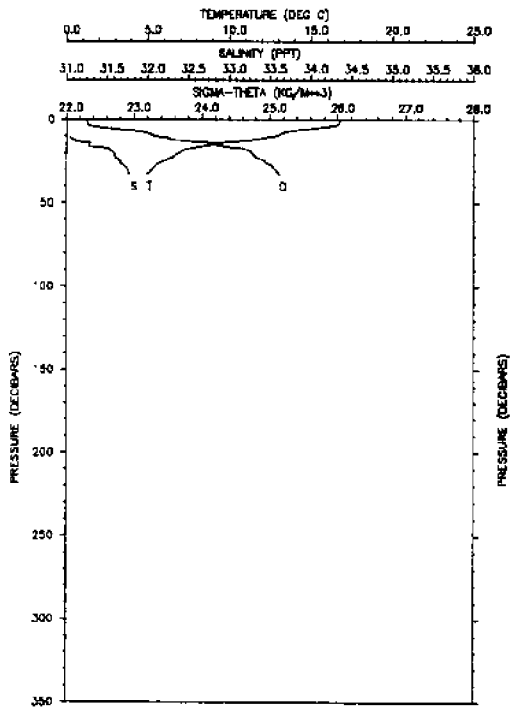
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	mt <sup>3</sup> /kg	10mt <sup>2</sup> /st <sup>2</sup>	m/sec	cph	
0.0	15.60	31.01	15.60	22.77	507.3	0.000	1504	9.63	Cruise EN165
10.0	12.01	31.52	12.01	23.89	400.8	0.048	1493	15.59	Station 122
20.0	9.08	31.86	9.08	24.65	328.9	0.084	1483	16.10	5 AUG 1987
30.0	7.06	31.93	7.05	25.00	295.6	0.115	1476	9.20	1437 UTC
40.0	6.13	32.08	6.12	25.23	273.4	0.143	1472	4.36	43 0.0 N
50.0	5.70	32.11	5.70	25.31	266.0	0.170	1471	2.88	70 17.9 W
60.0	3.92	31.99	3.92	25.40	256.7	0.197	1463	8.59	Depth 150 m
70.0	3.59	32.06	3.58	25.49	248.8	0.222	1462	6.3	
80.0	3.50	32.16	3.49	25.57	240.6	0.246	1462	6.1	
90.0	3.53	32.25	3.52	25.65	233.8	0.270	1463	5.7	
100.0	3.59	32.35	3.58	25.72	226.7	0.293	1463	4.4	
110.0	3.73	32.49	3.72	25.81	218.0	0.315	1464	2.1	
120.0	3.77	32.53	3.76	25.85	214.9	0.337	1464	3.2	
130.0	3.82	32.58	3.82	25.88	212.1	0.358	1465	-3.2	
140.0	3.93	32.64	3.92	25.92	208.5	0.379	1466	4.0	
143.0	3.95	32.65	3.94	25.93	207.7	0.386	1466		



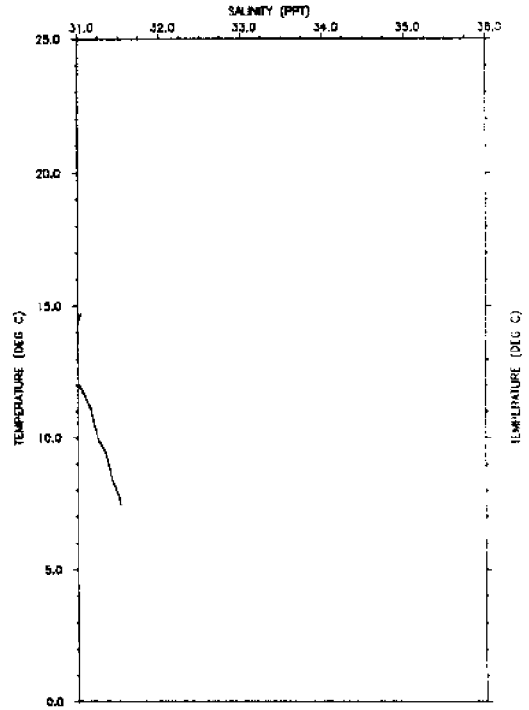
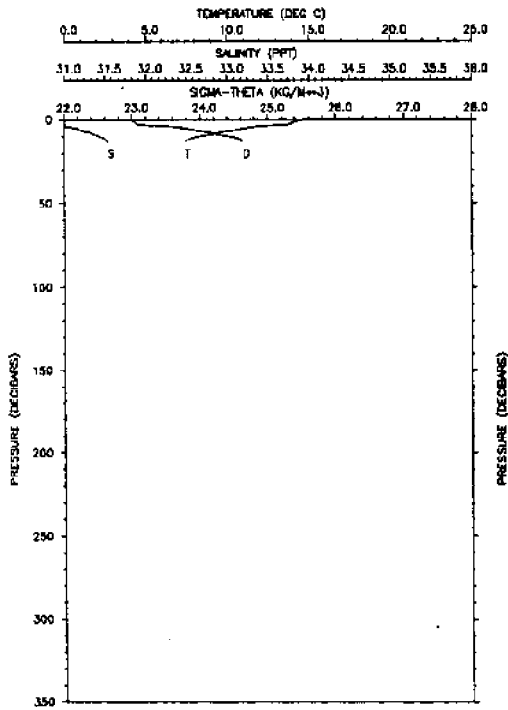
P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m³	m³/kg	10m²/s²	m/sec	cph	
0.0	16.29	30.80	16.29	22.45	537.7	0.000	1506	6.29	Cruise EN165
10.0	14.19	30.98	14.19	23.05	481.2	0.052	1500	11.55	Station 123
20.0	10.16	31.48	10.16	24.18	373.3	0.096	1486	22.94	5 AUG 1987
30.0	8.53	31.81	8.52	24.97	297.9	0.128	1473	7.94	1530 UTC
40.0	5.78	31.89	5.78	25.13	283.3	0.157	1471	1.20	43 1.5 N
50.0	5.43	31.95	5.43	25.21	275.2	0.185	1469	-5.11	70 24.0 W
60.0	4.90	31.98	4.89	25.29	267.6	0.212	1467	7.45	Depth 106 m
70.0	3.87	32.02	3.87	25.43	254.2	0.239	1463	10.9	
80.0	3.83	32.12	3.83	25.51	246.4	0.264	1464	8.6	
90.0	3.73	32.24	3.72	25.62	236.3	0.288	1463	7.7	
95.0	3.64	32.34	3.63	25.70	228.4	0.299	1463		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	17.16	30.79	17.16	22.25	557.0	0.000	1508	7.40	Cruise EN165
10.0	11.91	31.20	11.91	23.66	423.2	0.052	1492	26.73	Station 124
20.0	5.91	31.67	5.91	24.93	301.3	0.086	1471	6.54	5 AUG 1987
30.0	5.50	31.72	5.50	25.02	293.4	0.116	1469	5.12	1622 UTC
40.0	5.00	31.83	5.00	25.17	279.3	0.145	1467	11.09	43 3.0 N
50.0	4.77	31.96	4.76	25.29	267.2	0.171	1467	0.70	70 30.0 W
60.0	4.32	31.97	4.31	25.35	262.2	0.198	1465	4.94	Depth 71 m
69.0	3.89	32.07	3.88	25.47	250.6	0.221	1464		



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m <sup>3</sup>	m <sup>3</sup> /kg	10m <sup>2</sup> /s <sup>2</sup>	m/sec	cph	
0.0	16.90	30.75	16.90	22.28	554.4	0.000	1508	6.27	Cruise EN165
10.0	12.79	30.97	12.79	23.31	456.1	0.051	1495	24.09	Station 125
20.0	8.91	31.58	8.91	24.74	319.7	0.089	1474	9.31	5 AUG 1987
30.0	5.23	31.76	5.23	25.08	287.4	0.119	1468	7.31	1700 UTC
33.0	4.93	31.79	4.93	25.14	281.7	0.128	1467		43 3.5 N
									70 34.1 W
									Depth 43 m



P	T	S	PT	STH	SPVA	DH	SND V	N	
db	deg C	ppt	deg C	kg/m+3	m+3/kg	10m+2/s+2	m/sec	cph	
0.0	14.74	31.05	14.74	22.98	487.2	0.000	1501	11.08	Cruise EN165
10.0	8.31	31.43	8.31	24.43	349.4	0.042	1479	17.66	Station 126
13.0	7.42	31.54	7.42	24.64	329.7	0.052	1476		5 AUG 1987
									1745 UTC
									43 4.0 N
									70 38.0 W
									Depth 20 m

