NOAA Data Report ERL PMEL-46

CTD/O_2 MEASUREMENTS DURING 1987 AND 1988 AS PART OF THE EQUATORIAL PACIFIC OCEAN CLIMATE STUDIES (EPOCS)

L. Mangum
J. Lynch
Pacific Marine Environmental Laboratory

L. Stratton
Joint Institute for the Study of Atmosphere and Ocean
University of Washington
Seattle, Washington

K. McTaggart
Pacific Marine Environmental Laboratory

Pacific Marine Environmental Laboratory
Seattle, Washington
July 1993

UNITED STATES
DEPARTMENT OF COMMERCE

Ronald H. Brown
Secretary

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

D. James Baker
Under Secretary for Oceans
and Atmosphere/Administrator

Environmental Research
Laboratories

Alan R. Thomas
Director

NOTICE

Mention of a commercial company or product does not constitute an endorsement by NOAA/ERL. Use of information from this publication concerning proprietary products or the tests of such products for publicity or advertising purposes is not authorized.

Contribution No. 1463 from NOAA/Pacific Marine Environmental Laboratory
Contribution No. 243 from the Joint Institute for the Study of Atmosphere and Ocean (JISAO)

For sale by the National Technical Information Service, 5285 Port Royal Road
Springfield, VA 22161

CONTENTS

PAGE

ABSTRACT 1
1. INTRODUCTION 1
2. NBIS CTD DATA PROCESSING 2
3. DATA PRESENTATION 2
4. ACKNOWLEDGMENTS 3
5. REFERENCES 3
FIGURES AND TABLES 5
EP1-87-RS, April 20–May 17, 1987, CTD/O_2 and Hydrographic Data Summary . . 59
EP2-87-OC, October 6–November 4, 1987, CTD/O_2 and Hydrographic Data Summary 129
EP1-88-OC, May 9–June 4, 1988, CTD/O_2 and Hydrographic Data Summary . . . 263
EP2-88-OC, June 17–July 9, 1988, CTD/O_2 and Hydrographic Data Summary . . . 349
EP4-88-OC, October 13–November 10, 1988, CTD and Hydrographic Data Summary 431
EP5-88-OC, November 14–December 11, 1988, CTD and Hydrographic Data Summary 517

FIGURES

1a. EP1-87-RS cruise track and station locations 6
1b. EP2-87-OC cruise track and station locations 8
1c. EP1-88-OC cruise track and station locations 10
1d. EP2-88-OC cruise track and station locations 12
1e. EP4-88-OC cruise track and station locations 14
1f. EP5-88-OC cruise track and station locations 16
2. EP1-87-RS spring potential temperature (C) section along the equator 21
3. EP1-88-OC spring potential temperature (C) section along the equator 22
4. EP1-87-RS spring salinity (psu) section along the equator 23
5. EP1-88-OC spring salinity (psu) section along the equator 24
6. EP1-87-RS spring potential density (kg/m^3) section along the equator 25
7. EP1-88-OC spring potential density (kg/m^3) section along the equator 26
8. EP1-87-RS spring oxygen (ml/l) section along the equator 27
9. EP1-88-OC spring oxygen (ml/l) section along the equator 28
10. EP2-88-OC summer potential temperature (C) section along the equator 29

11. EP2-88-OC summer salinity (psu) section along the equator 30
12. EP2-88-OC summer potential density (kg/m^3) section along the equator 31
13. EP2-88-OC summer oxygen (ml/l) section along the equator 32
14. EP2-87-OC fall potential temperature (C) section along the equator 33
15. EP4-88-OC fall potential temperature (C) section along the equator 34
16. EP2-87-OC fall salinity (psu) section along the equator 35
17. EP4-88-OC fall salinity (psu) section along the equator 36
18. EP2-87-OC fall potential density (kg/m^3) section along the equator 37
19. EP4-88-OC fall potential density (kg/m^3) section along the equator 38
20. EP2-87-OC fall oxygen (ml/l) section along the equator 39
21. EP1-87-RS spring and EP2-88-OC summer potential temperature (C) sections along 110°W. 40
22. EP1-87-RS spring and EP2-88-OC summer salinity (psu) sections along 110°W 41
23. EP1-87-RS spring and EP2-88-OC summer potential density (kg/m^3) sections along 110°W 42
24. EP1-87-RS spring and EP2-88-OC summer oxygen (ml/l) sections along 110°W 43
25. EP2-87-OC and EP4-88-OC fall potential temperature (C) sections along 110°W 44
26. EP2-87-OC and EP4-88-OC fall salinity (psu) sections along 110°W 45
27. EP2-87-OC and EP4-88-OC fall potential density (kg/m^3) sections along 110°W 46
28. EP2-87-OC fall oxygen (ml/l) section along 110°W 47
29. EP1-88-OC spring and EP2-88-OC summer potential temperature (C) sections along 140°W 48
30. EP1-88-OC spring and EP2-88-OC summer salinity (psu) sections along 140°W 49
31. EP1-88-OC spring and EP2-88-OC summer potential density (kg/m^3) sections along 140°W 50
32. EP1-88-OC spring and EP2-88-OC summer oxygen (ml/l) sections along 140°W 51
33. EP2-87-OC and EP5-88-OC fall potential temperature (C) sections along 140°W 52
34. EP2-87-OC and EP5-88-OC fall salinity (psu) sections along 140°W 53
35. EP2-87-OC and EP5-88-OC fall potential density (kg/m^3) sections along 140°W 54

36. EP2-87-OC fall oxygen (ml/l) section along 140°W 55
37. EP5-88-OC fall potential temperature (C), salinity (psu), and potential density (kg/m^3) sections along 7°N 56
38. EP5-88-OC fall potential temperature (C), salinity (psu), and potential density (kg/m^3) sections along 132°W 57

TABLES

1a. EP1-87 CTD cast summary 7
1b. EP2-87 CTD cast summary 9
1c. EP1-88 CTD cast summary 11
1d. EP2-88 CTD cast summary 13
1e. EP4-88 CTD cast summary 15
1f. EP5-88 CTD cast summary 17
2. Weather condition code used to describe each set of CTD measurements 18
3. Sea state code used to describe each set of CTD measurements 18
4. Visibility code used to describe each set of CTD measurements 19
5. Cloud type 19
6. Cloud amount 20

CTD/O_2 Measurements During 1987 and 1988 as Part of the Equatorial Pacific Ocean Climate Studies (EPOCS)

L. Mangum[1], J. Lynch[1], L. Stratton[2], and K. McTaggart[1]

ABSTRACT: During 1987 and 1988, CTD/O_2 data were collected in the eastern equatorial Pacific as part of the Equatorial Pacific Ocean Climate Studies (EPOCS) program. Summaries of Neil Brown Instrument System CTD/O_2 measurements and hydrographic data acquired on six cruises during 1987 and 1988 are presented. Section plots of oceanographic variables along the equator, 110°W, 140°W, 7°N, and 132°W are given. Station location, meteorological conditions, abbreviated CTD data listings, profiles, and potential temperature-salinity diagrams are shown for each cast. Hydrographic data are listed for each cruise.

1. INTRODUCTION

Oceanographic observations in the eastern equatorial Pacific have been collected since 1979 as part of NOAA's Equatorial Pacific Ocean Climate Studies (EPOCS) program. An objective of the EPOCS program is to investigate the processes which cause sea surface temperature (SST) fluctuations on annual and interannual time scales in this area. Summaries of Neil Brown Instrument System CTD/O_2 measurements and hydrographic data collected on six cruises during 1987 and 1988 as part of PMEL's EPOCS contribution are presented here. CTD/O_2 data from 1979 through 1986 can be found in previous data reports (Mangum *et al.*, 1980; Mangum and Hayes, 1983; Mangum and Hayes, 1985; Mangum *et al.*, 1987; and Lynch *et al.*, 1988).

Data collected in 1987 and 1988 included both meridional sections across the equator along 110°W, 140°W, and 132°W and zonal sections along the equator eastward of 170°W and along 7°N eastward of 147.5°W. Figures 1a–1f show the cruise tracks and CTD station locations for each cruise. Cruise name notation is EPx-yy-zz, where x is the sequential EPOCS cruise number during each year, yy is the year (87 or 88), and zz is the ship code (either RS for the NOAA ship *Researcher* or OC for the NOAA ship *Oceanographer*).

Neil Brown Instrument Systems (NBIS) Mark III CTDs were used to acquire the data. Beckman dissolved oxygen probes were installed through the summer of 1988. Pressure, temperature, conductivity, and dissolved oxygen were sampled at a rate of 30 Hz, as described by Brown (1974). Data collected were recorded on a Digital 11/23 computer system. Typical lowering rates were 45 m/min for the first 200 meters after which the speed was increased to 60 m/min. CTD/O_2 data were recorded on the downcast and water samples were collected on the upcast for calibration purposes using an electronically fired rosette sampler.

[1]NOAA/Pacific Marine Environmental Laboratory, 7600 Sand Point Way N.E., Seattle, WA 98115-0070
[2]Joint Institute for the Study of Atmosphere and Ocean, University of Washington, Seattle, WA 98195

2. NBIS CTD DATA PROCESSING

The NBIS CTD acquisition, processing, and calibration procedures for EP1-87-OC are described in Mangum *et al.* (1980). Briefly, the digitized signal from the CTD deck unit was recorded in real time on a 9-track magnetic tape using the Digital 11/23 computer system. Backup audio recordings were also collected for each cast which could be used to replay the cast in the event of problems with the original 9-track tape. The data were edited and averaged for a value to exist every whole decibar after corrections for response time differences between temperature and conductivity sensors had been made. Information from pre-cruise and post-cruise (if available) laboratory calibrations were compared with bottle calibration information and historical data to determine corrections to pressure, temperature, and conductivity. Dissolved oxygen samples were titrated by scientific personnel and these were used to determine the oxygen calibration for each cruise.

Similar acquisition procedures were employed for cruises after summer 1987. However, updated processing and calibration procedures were introduced for these latter cruises as described in Mangum *et al.* (1991). These included calculation of fall rate which was used to eliminate anomalous excursions in the raw temperature and conductivity data associated with reversals in the direction of movement of the CTD package, as well as when the package decelerated due to ship roll. Fall rates were computed between data scans approximately 2 seconds apart and were carried along with the original unprocessed data. During the 1-decibar averaging program, scans with fall rates below a user-specified minimum were removed. Also, any following scans were omitted until a user-specified pressure interval had been skipped to prevent contaminated water from being included in the measurements. Final calibrations for the conductivity and oxygen sensors were determined from comparison with bottle data and were applied to the 1-decibar averaged data.

3. DATA PRESENTATION

Potential temperature, sigma-T, and sigma-theta were calculated using the 1980 equation of state algorithms described by Fofonoff and Millard (1983). Dynamic height in dynamic meters was calculated by integrating from the sea surface. When the uppermost pressure was not equal to 0 db, surface values of temperature and salinity were filled with the values associated with the shallowest pressure for which values did exist (provided this pressure was less than 10 db).

Final data are in PMEL's Equatorial Pacific Information Collection (EPIC) format (Soreide and Hayes, 1988). The majority of the plots which follow were produced using Plot Plus Scientific Graphics System (Denbo, 1992). Tables 2–6 define the abbreviations and units used in the CTD/O_2 data summary listings. Hydrographic bottle data at discrete depths are listed for each cruise.

4. ACKNOWLEDGMENTS

The assistance of the officers and crew of the NOAA ships *Researcher* and *Oceanographer* is gratefully acknowledged. Electronics support was provided by M. Stapp. M. McCarty and C. Coho were responsible for the acquisition and processing at sea for EP1-87-RS; D. Paul assisted with CTD operations during EP2-88-OC. Salinity analyses were completed by each ship's survey department. Oxygen titrations were completed by N. Nelson during EP2-87-OC, M. Meenan during EP1-88-OC and EP2-88-OC, and by ship's survey department for those cruises aboard the *Researcher*. This research was supported in part by the EPOCS Project of NOAA.

5. REFERENCES

Brown, N.L. (1974): A precision CTD microprofiler. *Ocean, 74*(2), 270–278.

Denbo, D.W. (1992): PPLUS Graphics, P.O. Box 4, Sequim, WA, 98382.

Fofonoff, N.P., and R.C. Millard (1983): Algorithms for computation of fundamental properties of seawater, *UNESCO Report No. 44*, 15–24.

Lynch, J.M., L.J. Mangum, and S.P. Hayes (1988): CTD/O_2 measurements during 1986 as part of the Equatorial Pacific Ocean Climate Studies (EPOCS). *NOAA Data Report ERL-PMEL-24*, 261 pp.

Mangum, L.J., N.N. Soreide, B.D. Davies, B.D. Spell, and S.P. Hayes (1980): CTD/O_2 measurements during the Equatorial Pacific Ocean Climate Study (EPOCS) in 1979. *NOAA Data Report ERL PMEL-1*, 645 pp.

Mangum, L.J., and S.P. Hayes (1983): CTD/O_2 measurements during 1980 and 1981 as part of the Equatorial Pacific Ocean Climate Studies (EPOCS). *NOAA Data Report ERL PMEL-9*, 621 pp.

Mangum, L.J., and S.P. Hayes (1985): CTD/O_2 measurements during 1982 and 1983 as part of the Equatorial Pacific Ocean Climate Studies (EPOCS). *NOAA Data Report ERL PMEL-13*, 421 pp.

Mangum, L.J., J.M. Lynch, and S.P. Hayes (1987): CTD/O_2 measurements during 1984 and 1985 as part of the Equatorial Pacific Ocean Climate Studies (EPOCS). *NOAA Data Report ERL PMEL-18*, 341 pp.

Mangum, L., J. Lynch, K. McTaggart, L. Stratton, and S. Hayes (1991): CTD/O_2 measurements collected on TEW (Transport of Equatorial Waters) June–August 1987. *NOAA Data Report ERL PMEL-33*, 375 pp.

Soreide, N.N., and S.P. Hayes (1988): A system for management, display and analysis of oceanographic time series and hydrographic data. Fourth International Conference on Interactive Information and Processing Systems for Meteorology, Oceanography, and Hydrology. American Meteorological Society, Boston, J20–J22.

FIGURES AND TABLES

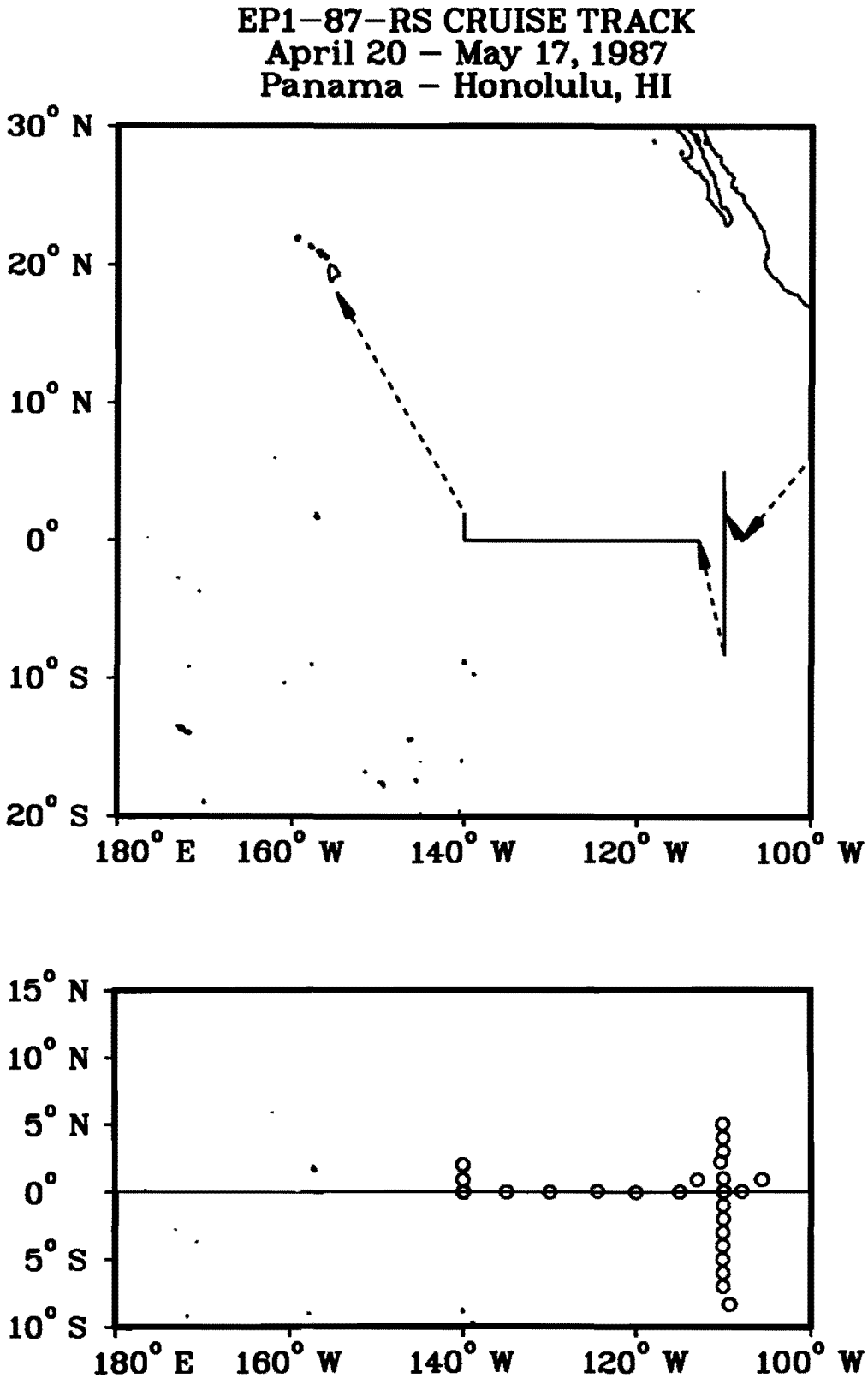


Fig. 1a. EP1-87-RS cruise track and station locations.

TABLE 1a. EP1-87 CTD cast summary.

CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	W/D (T)	W/S (kts)	DEPTH (m)	CAST (db)
1	0 54.5N	105 34.5W	25 APR 87	2033	267	8	3521	152
2	0 54.4N	105 34.1W	25 APR 87	33	350	2	3584	3447
3	0 1.7N	107 52.0W	26 APR 87	2038	215	9	3724	1021
4	2 12.8N	110 18.1W	27 APR 87	1634	185	5	3789	1059
5	3 0.7N	109 59.6W	27 APR 87	2154	220	14	3802	997
6	4 0.1N	110 0.1W	28 APR 87	338	230	10	3895	1011
7	5 0.6N	110 3.8W	28 APR 87	1013	180	14	3959	3793
8	5 2.5N	110 1.5W	28 APR 87	1913	0	0	3925	149
9	0 59.7N	109 59.3W	30 APR 87	226	80	6	3769	1010
10	0 0.7N	109 59.3W	30 APR 87	939	85	8	3724	3717
11	0 1.0N	109 52.9W	1 MAY 87	213	0	0	3742	158
12	0 59.9S	110 0.2W	1 MAY 87	835	95	7	3970	1002
13	1 59.9S	109 59.6W	1 MAY 87	1428	155	3	3916	1010
14	2 59.9S	109 59.7W	1 MAY 87	2043	140	13	3811	1019
15	3 59.5S	110 1.6W	2 MAY 87	251	125	12	3688	1008
16	5 0.6S	110 1.6W	2 MAY 87	900	140	15	3620	1007
17	5 59.8S	110 0.4W	2 MAY 87	2224	118	13	3414	1008
18	6 59.8S	110 0.4W	3 MAY 87	413	100	14	3523	1007
19	8 20.2S	109 17.0W	3 MAY 87	1324	110	18	3223	3109
20	8 20.1S	109 17.1W	3 MAY 87	1607	110	15	3274	156
21	0 54.0N	112 57.6W	5 MAY 87	1449	100	10	3922	3789
22	0 0.1N	114 59.5W	6 MAY 87	224	105	12	4051	1006
23	0 1.0S	120 0.9W	7 MAY 87	123	80	13	4195	1007
24	0 4.2N	124 26.3W	8 MAY 87	1135	115	11	2520	1007
25	0 0.2S	129 58.8W	9 MAY 87	1551	110	12	4459	996
26	0 0.7N	135 0.0W	10 MAY 87	1716	60	8	4350	1003
27	0 2.4S	139 59.4W	12 MAY 87	20	75	10	4322	199
28	0 2.8N	139 54.8W	12 MAY 87	908	100	8	4361	1010
29	0 54.7N	139 59.3W	12 MAY 87	1454	10	8	4304	1008
30	1 59.0N	139 58.4W	12 MAY 87	2324	140	4	4374	195
31	2 1.6N	140 0.7W	13 MAY 87	850	0	0	4392	4122

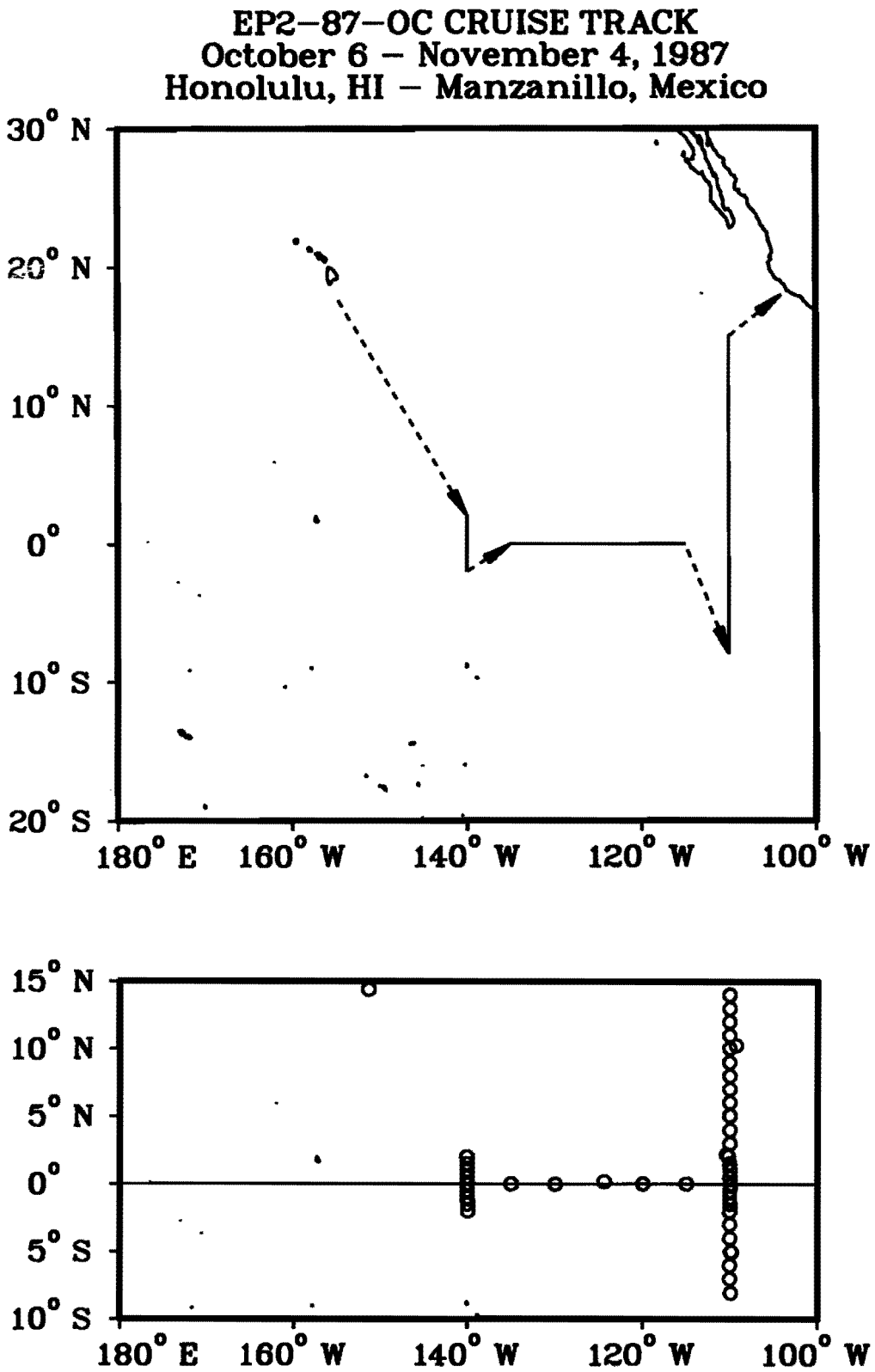


Fig. 1b. EP2-87-OC cruise track and station locations.

TABLE 1b. EP2-87 CTD cast summary.

CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	W/D (T)	W/S (kts)	DEPTH (m)	CAST (db)
0	14 22.4N	151 19.1W	8 OCT 87	2315	65	12	5469	509
1	2 1.1N	140 2.5W	11 OCT 87	2207	130	14	4475	251
2	2 0.2N	140 4.1W	12 OCT 87	353	140	20	4352	4397
3	1 30.0N	140 0.5W	12 OCT 87	913	130	14	4469	1011
4	0 59.6N	140 0.6W	12 OCT 87	1303	115	18	4383	1008
5	0 29.6N	140 0.7W	12 OCT 87	1715	140	22	4352	1036
6	0 0.3N	139 58.7W	13 OCT 87	14	120	16	4383	205
7	0 0.5N	139 58.7W	13 OCT 87	50	120	16	4383	206
8	0 1.1N	139 56.3W	13 OCT 87	105	120	14	4383	255
9	0 0.5N	140 1.4W	13 OCT 87	1053	125	18	4313	4336
10	0 2.1S	139 57.6W	14 OCT 87	350	105	14	4322	306
11	0 29.4S	140 0.1W	14 OCT 87	713	85	11	4291	1011
12	1 0.2S	139 59.5W	14 OCT 87	1115	190	10	4272	1011
13	1 30.0S	139 59.5W	14 OCT 87	1516	100	8	4322	1012
14	2 0.1S	139 58.2W	15 OCT 87	733	50	14	4299	4350
15	2 0.2S	139 57.1W	15 OCT 87	1024	50	12	4334	249
16	0 0.3S	135 2.0W	16 OCT 87	1135	95	14	4368	4387
17	0 0.5N	134 58.3W	16 OCT 87	1407	100	12	4368	205
18	0 0.7S	129 59.1W	17 OCT 87	1348	110	14	4437	4500
19	0 1.6S	129 59.3W	17 OCT 87	1625	105	12	4437	205
20	0 10.0N	124 22.6W	19 OCT 87	1421	100	16	4576	4620
21	0 9.8N	124 21.7W	19 OCT 87	1702	90	14	4576	205
22	0 0.8S	119 59.5W	20 OCT 87	1350	130	12	4175	4210
23	0 0.9N	119 59.0W	20 OCT 87	1603	130	10	4175	206
24	0 0.5N	114 59.6W	21 OCT 87	1433	100	16	3955	203
25	0 0.7N	114 58.2W	21 OCT 87	1653	110	17	3986	4050
26	8 2.7S	109 54.4W	23 OCT 87	1126	110	16	3464	1008
27	7 0.1S	110 0.5W	23 OCT 87	2345	125	17	3470	1009
28	6 0.6S	110 1.5W	24 OCT 87	607	110	17	3409	1009
29	5 0.1S	109 54.3W	24 OCT 87	1219	100	18	3409	204
30	5 2.5S	109 47.7W	25 OCT 87	641	100	16	3496	3481
31	4 0.5S	110 0.2W	25 OCT 87	1418	110	14	3652	1008
32	2 59.7S	110 0.2W	25 OCT 87	2054	125	12	3767	1011
33	2 1.0S	110 0.4W	26 OCT 87	442	100	14	3955	252
34	2 4.3S	110 2.1W	26 OCT 87	723	110	13	3928	3941
35	1 29.9S	110 0.2W	27 OCT 87	613	115	12	3876	1007
36	0 59.9S	110 0.0W	27 OCT 87	952	130	8	3961	1010
37	0 30.1S	109 59.9W	27 OCT 87	1410	135	10	3530	1007
38	0 3.6S	109 51.9W	28 OCT 87	908	190	4	3773	3781
39	0 0.3S	109 52.0W	28 OCT 87	1146	130	6	3722	255
40	0 29.3N	109 59.7W	28 OCT 87	2315	120	10	3780	1009
41	1 0.8N	109 57.2W	29 OCT 87	259	120	14	3773	1007
42	1 31.3N	110 1.1W	29 OCT 87	640	120	12	3797	1009
43	2 11.9N	110 21.9W	29 OCT 87	1140	140	12	3985	1009
44	2 3.6N	110 10.7W	30 OCT 87	201	120	12	3793	510
45	2 59.8N	109 59.5W	30 OCT 87	826	160	10	3895	1008
46	3 59.4N	109 59.2W	30 OCT 87	1417	145	13	3895	1008
47	5 2.3N	110 1.0W	31 OCT 87	12	150	8	3886	3800
48	5 1.7N	109 57.8W	31 OCT 87	233	154	4	3886	199
49	6 0.3N	109 59.9W	31 OCT 87	744	150	4	3682	1012
50	7 0.2N	109 59.4W	31 OCT 87	116	125	10	3724	1010
51	7 59.8N	109 59.9W	31 OCT 87	1839	85	12	3621	1007
52	9 0.1N	110 0.8W	1 NOV 87	4	70	14	3895	1009
53	10 2.5N	110 0.9W	1 NOV 87	631	60	10	3349	642
54	10 15.3N	109 15.0W	1 NOV 87	1151	85	10	823	810
55	11 0.0N	110 0.5W	2 NOV 87	408	95	17	3591	1010
56	12 0.7N	110 1.8W	2 NOV 87	956	160	10	2861	1010
57	12 59.8N	109 59.9W	2 NOV 87	1607	95	14	3183	1010
58	14 0.2N	110 0.3W	2 NOV 87	2204	65	12	3288	1010
59	15 0.5N	109 59.4W	3 NOV 87	341	80	10	3712	204
60	15 2.2N	109 58.9W	3 NOV 87	558	95	8	3308	3347

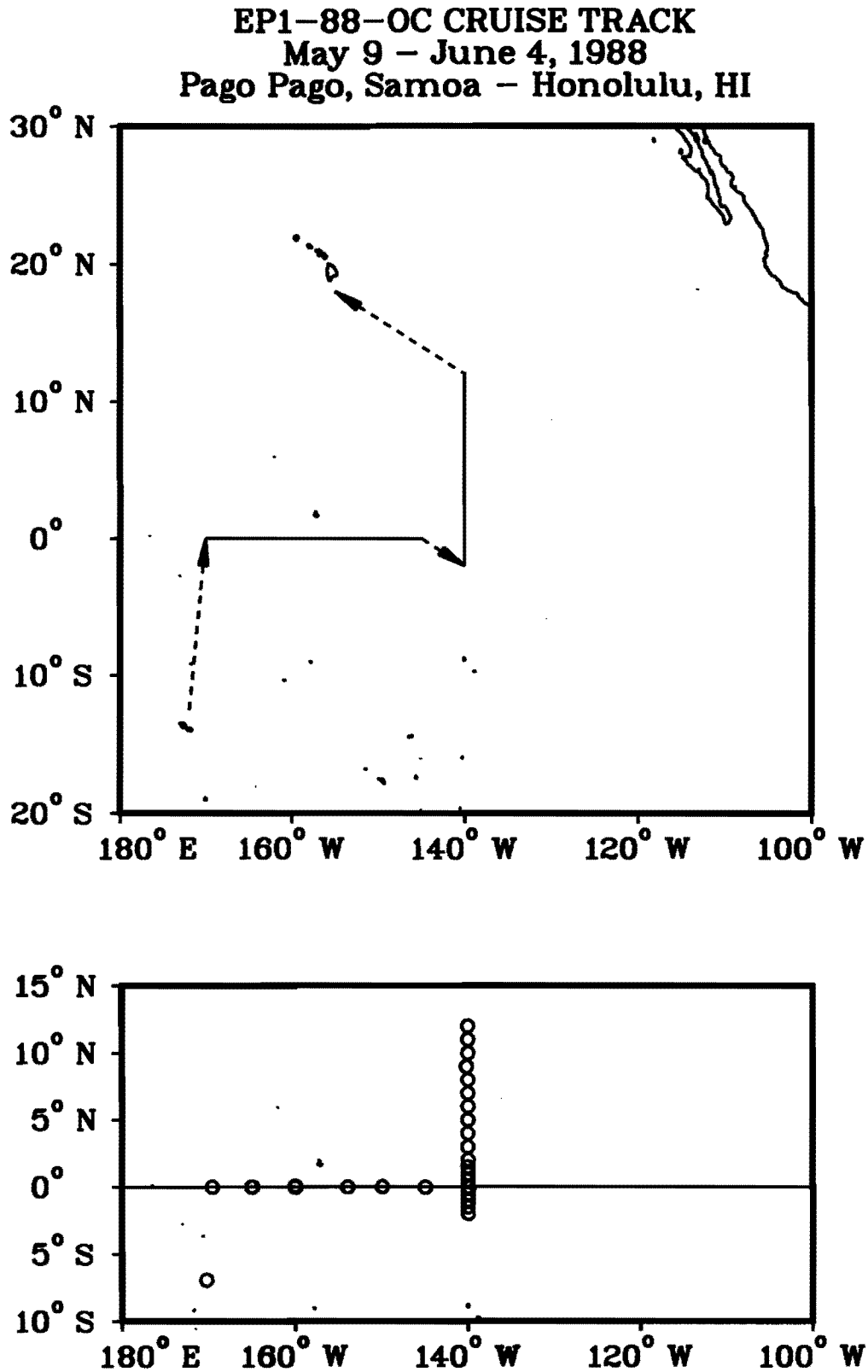


Fig. 1c. EP1-88-OC cruise track and station locations.

TABLE 1c. EP1-88 CTD cast summary.

CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	W/D (T)	W/S (kts)	DEPTH (m)	CAST (db)
0	6 56.5S	170 14.0W	12 MAY 88	303	55	8	0	207
1	0 0.1S	169 35.2W	13 MAY 88	855	105	18	5372	301
2	0 0.6S	169 33.1W	13 MAY 88	1248	105	20	5372	5472
3	0 0.2N	164 59.8W	16 MAY 88	1259	90	13	5791	301
4	0 0.6S	164 54.1W	16 MAY 88	1620	90	14	5788	5836
5	0 4.1N	160 1.2W	18 MAY 88	152	95	21	5106	5148
6	0 0.9S	159 59.9W	18 MAY 88	429	105	17	5161	305
7	0 0.0N	153 58.8W	19 MAY 88	752	85	19	4778	4850
8	0 0.1S	153 57.2W	19 MAY 88	1026	80	18	4786	301
9	0 0.7N	149 58.7W	20 MAY 88	1009	70	10	4444	4498
10	0 1.3N	149 58.1W	20 MAY 88	1253	80	13	4457	303
11	0 0.6S	144 58.2W	21 MAY 88	1101	95	16	4230	4294
12	0 1.3S	144 56.2W	21 MAY 88	1404	85	18	4285	303
13	1 59.3S	139 57.3W	22 MAY 88	1204	60	20	4322	4287
14	1 58.7S	139 56.4W	22 MAY 88	1446	50	17	4322	301
15	1 30.3S	139 59.0W	22 MAY 88	2314	70	18	4322	1003
16	1 0.2S	139 59.6W	23 MAY 88	315	70	15	4267	1002
17	0 29.9S	139 59.1W	23 MAY 88	703	75	20	4291	1005
18	0 2.0S	139 54.3W	23 MAY 88	1034	90	16	4346	254
19	0 2.8S	139 53.6W	23 MAY 88	1232	95	16	4334	4265
20	0 0.3S	139 57.2W	23 MAY 88	1528	95	14	4334	300
21	0 29.9N	140 0.3W	24 MAY 88	1736	130	11	4388	1008
22	0 58.5N	139 59.5W	25 MAY 88	205	90	7	4389	1010
23	1 29.6N	140 0.3W	25 MAY 88	536	90	11	4475	1004
24	2 1.1N	139 58.6W	25 MAY 88	1040	100	12	4377	4443
25	2 1.0N	139 58.5W	25 MAY 88	1327	120	14	4371	301
26	2 59.2N	140 0.5W	26 MAY 88	1506	135	15	4303	1017
27	3 59.6N	140 0.2W	26 MAY 88	2106	135	12	4356	1013
28	5 0.1N	140 0.5W	27 MAY 88	1113	130	8	4444	301
29	4 59.0N	139 59.8W	27 MAY 88	1418	145	8	4450	4497
30	5 59.8N	139 59.2W	27 MAY 88	2147	180	4	4813	1001
31	6 58.7N	140 0.1W	28 MAY 88	1201	10	2	4998	300
32	6 58.7N	140 0.9W	28 MAY 88	1508	70	1	4991	5043
33	8 0.0N	140 0.3W	28 MAY 88	2149	190	10	5183	1002
34	8 59.0N	140 10.0W	30 MAY 88	853	30	18	5109	302
35	8 59.9N	140 8.7W	30 MAY 88	1203	20	20	5140	5141
36	10 0.1N	140 0.0W	31 MAY 88	618	35	17	4905	1008
37	11 0.2N	140 0.3W	31 MAY 88	1129	35	18	4813	1001
38	12 0.2N	140 0.5W	21 MAY 88	1646	50	19	4955	1005

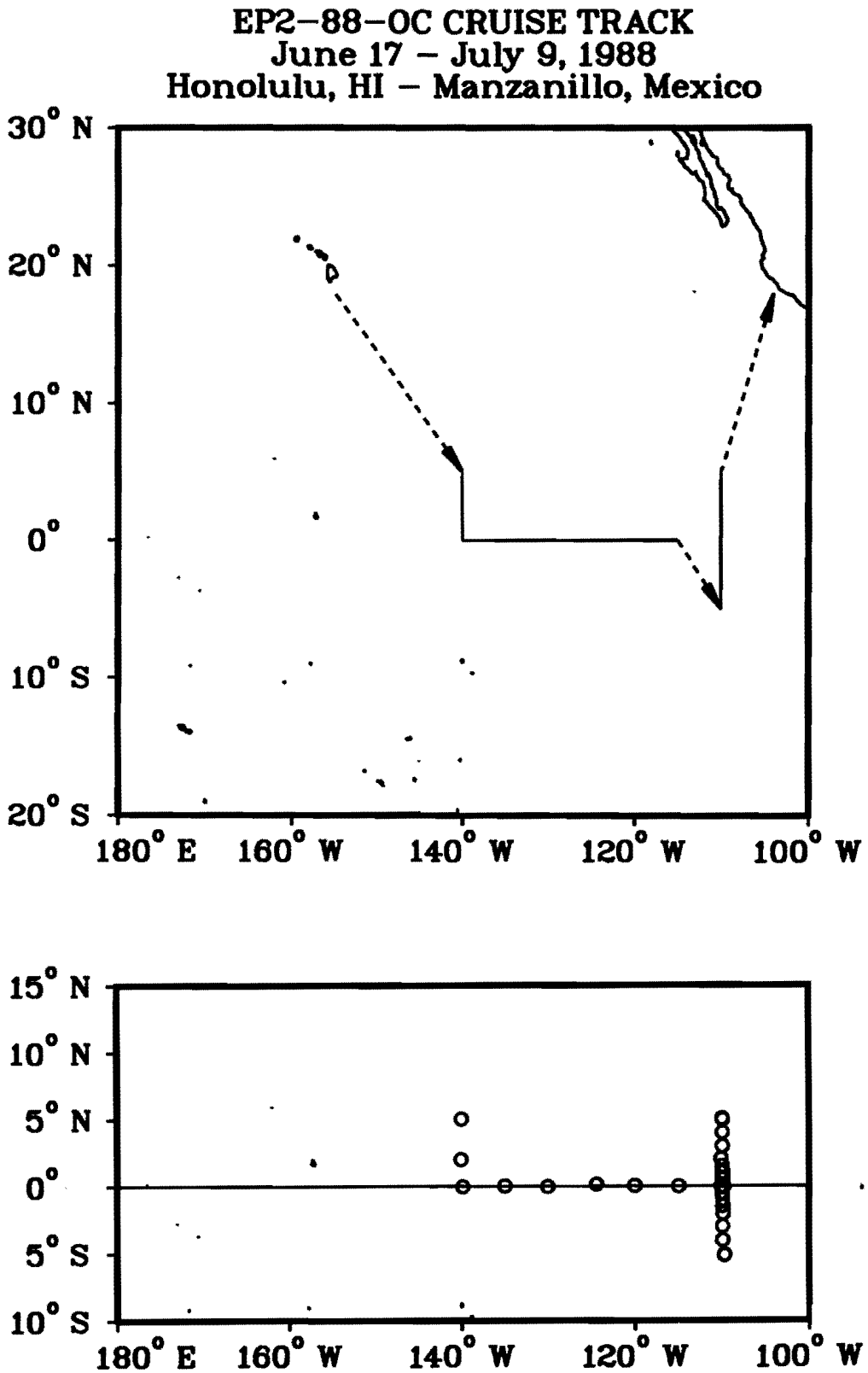


Fig. 1d. EP2-88-OC cruise track and station locations.

TABLE 1d. EP2-88 CTD cast summary.

CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	W/D (T)	W/S (kts)	DEPTH (m)	CAST (db)
1	5 1.4N	139 59.4W	21 JUN 88	2013	155	16	4450	1005
2	2 0.8N	140 1.8W	22 JUN 88	930	105	10	4383	1005
3	0 1.6S	139 50.5W	22 JUN 88	2118	95	11	4346	4403
4	0 1.5S	139 49.2W	22 JUN 88	2346	80	15	4322	301
5	0 1.5N	134 58.2W	23 JUN 88	2050	95	9	4380	4388
6	0 1.8N	134 58.8W	23 JUN 88	2258	90	8	4380	302
7	0 1.5S	129 59.7W	24 JUN 88	2048	110	15	4493	4509
8	0 1.9S	130 1.6W	24 JUN 88	2311	110	14	4527	300
9	0 9.1N	124 24.9W	26 JUN 88	120	100	12	4567	1944
10	0 9.1N	124 22.7W	26 JUN 88	341	85	10	4610	4664
11	0 8.7N	124 22.3W	26 JUN 88	609	85	8	4616	304
12	0 1.4N	119 59.8W	27 JUN 88	505	0	0	4179	205
13	0 1.4N	119 59.8W	27 JUN 88	741	120	15	4193	4248
14	0 2.4N	119 59.7W	27 JUN 88	952	120	12	4181	303
15	0 0.3S	114 59.8W	28 JUN 88	707	130	6	4028	4072
16	0 0.1N	114 58.7W	28 JUN 88	1002	100	4	4047	301
17	5 4.3S	109 47.2W	28 JUN 88	1455	115	12	3470	3548
18	5 8.4S	109 49.1W	29 JUN 88	1855	111	10	3470	307
19	4 0.3S	109 59.5W	30 JUN 88	235	120	13	3621	1003
20	2 59.3S	110 0.3W	30 JUN 88	833	115	9	3793	1002
21	2 2.8S	109 56.6W	30 JUN 88	1403	80	10	3967	306
22	2 2.7S	109 57.5W	30 JUN 88	1937	100	7	3927	3990
23	1 29.9S	109 59.9W	1 JUL 88	117	115	10	3895	1000
24	1 0.1S	109 59.6W	1 JUL 88	501	115	7	3992	1001
25	0 30.2S	110 0.2W	1 JUL 88	833	120	7	3749	1006
26	0 4.8S	109 50.9W	1 JUL 88	1257	90	10	3767	3798
27	0 2.3S	110 7.8W	4 JUL 88	49	85	8	3743	502
28	0 30.1N	109 59.7W	4 JUL 88	409	130	8	3409	1003
29	1 0.1N	110 0.3W	4 JUL 88	726	150	9	3807	1005
30	1 30.4N	109 59.9W	4 JUL 88	1031	155	10	3767	1008
31	2 3.0N	110 7.6W	4 JUL 88	1400	155	10	3857	305
32	2 2.3N	110 9.0W	4 JUL 88	1756	155	13	3785	3820
33	2 59.6N	109 59.8W	5 JUL 88	19	190	20	3882	1002
34	4 0.3N	110 0.1W	5 JUL 88	534	180	20	3882	1000
35	5 0.1N	110 0.0W	5 JUL 88	1146	175	23	3901	3941
36	4 58.2N	109 59.2W	5 JUL 88	1456	185	25	3919	302
37	5 3.4N	110 1.4W	6 JUL 88	2013	165	21	3920	605

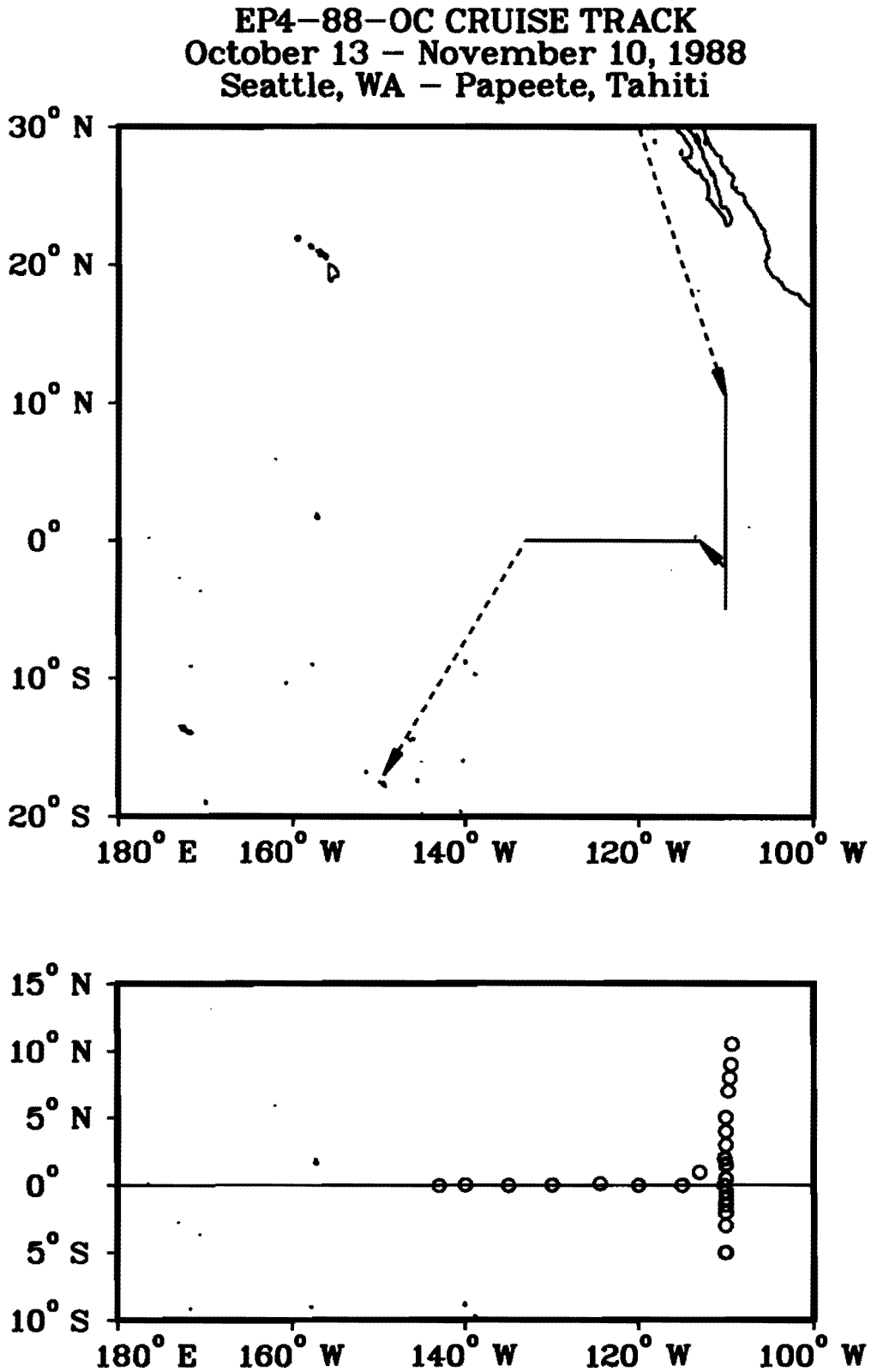


Fig. 1e. EP4-88-OC cruise track and station locations.

TABLE 1e. EP4-88 CTD cast summary.

CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	W/D (T)	W/S (kts)	DEPTH (m)	CAST (db)
0	25 24.5N	115 11.6W	19 OCT 88	2018	250	4	3764	502
1	10 30.8N	109 18.9W	22 OCT 88	1159	60	5	2626	1000
2	9 0.0N	109 26.6W	23 OCT 88	116	265	4	3473	1001
3	7 59.4N	109 35.3W	23 OCT 88	639	260	7	4069	1001
4	7 0.4N	109 43.9W	23 OCT 88	1154	250	15	3882	1000
5	5 1.6N	110 0.5W	24 OCT 88	14	205	18	3895	3799
6	5 2.3N	110 0.1W	24 OCT 88	300	208	16	3895	300
7	3 59.6N	110 0.2W	24 OCT 88	907	185	20	3821	1001
8	3 0.0N	110 0.3W	24 OCT 88	1437	170	20	3864	1004
9	2 0.5N	110 8.9W	25 OCT 88	1045	145	10	3886	3798
10	1 57.6N	110 6.3W	25 OCT 88	1329	150	10	3886	299
11	1 29.7N	110 0.4W	25 OCT 88	1633	131	9	3733	1007
12	0 95.6N	110 0.7W	25 OCT 88	2007	155	12	3803	1001
13	0 29.6N	110 0.4W	25 OCT 88	2335	135	12	3743	1001
14	0 30.1S	110 0.7W	26 OCT 88	510	110	10	3621	1004
15	0 1.3S	110 10.0W	26 OCT 88	933	110	10	3795	3699
16	0 0.6S	110 11.3W	26 OCT 88	1230	115	11	3818	302
17	1 0.4S	109 59.9W	27 OCT 88	937	140	6	3945	1001
18	1 29.4S	109 58.7W	27 OCT 88	1258	130	9	3846	1002
19	4 58.5S	109 59.6W	29 OCT 88	331	140	14	3415	300
20	5 0.6S	109 57.6W	29 OCT 88	603	133	12	3391	3247
21	5 0.2S	110 4.4W	29 OCT 88	1206	90	7	3633	1001
22	2 59.9S	110 0.2W	29 OCT 88	1738	125	12	3773	1004
23	2 1.6S	110 0.2W	30 OCT 88	10	120	8	3898	3799
24	2 2.7S	109 58.6W	30 OCT 88	306	110	8	3943	302
25	0 59.1N	113 1.2W	31 OCT 88	218	120	10	3910	3784
26	0 0.1S	114 58.6W	31 OCT 88	1354	130	12	4019	3913
27	0 0.7S	114 58.2W	31 OCT 88	1655	120	10	4016	299
28	0 0.0N	120 0.5W	1 NOV 88	1353	110	11	4202	4048
29	0 0.3S	120 0.0W	1 NOV 88	1709	105	11	4193	301
30	0 7.0N	124 25.6W	2 NOV 88	1303	117	22	4598	4396
31	0 7.1N	124 26.4W	2 NOV 88	1551	106	13	4579	167
32	0 0.4N	129 59.5W	4 NOV 88	1204	115	11	4288	3997
33	0 1.4N	129 57.4W	4 NOV 88	1518	115	12	4322	299
34	0 0.6S	134 59.6W	5 NOV 88	1151	120	13	4371	4199
35	0 0.5S	135 0.0W	5 NOV 88	1535	120	17	4350	301
36	0 2.4N	139 58.5W	6 NOV 88	1528	100	9	4352	4047
37	0 1.9N	139 56.8W	6 NOV 88	1852	115	10	4358	300
38	0 1.6S	142 59.5W	7 NOV 88	819	110	6	4377	1002

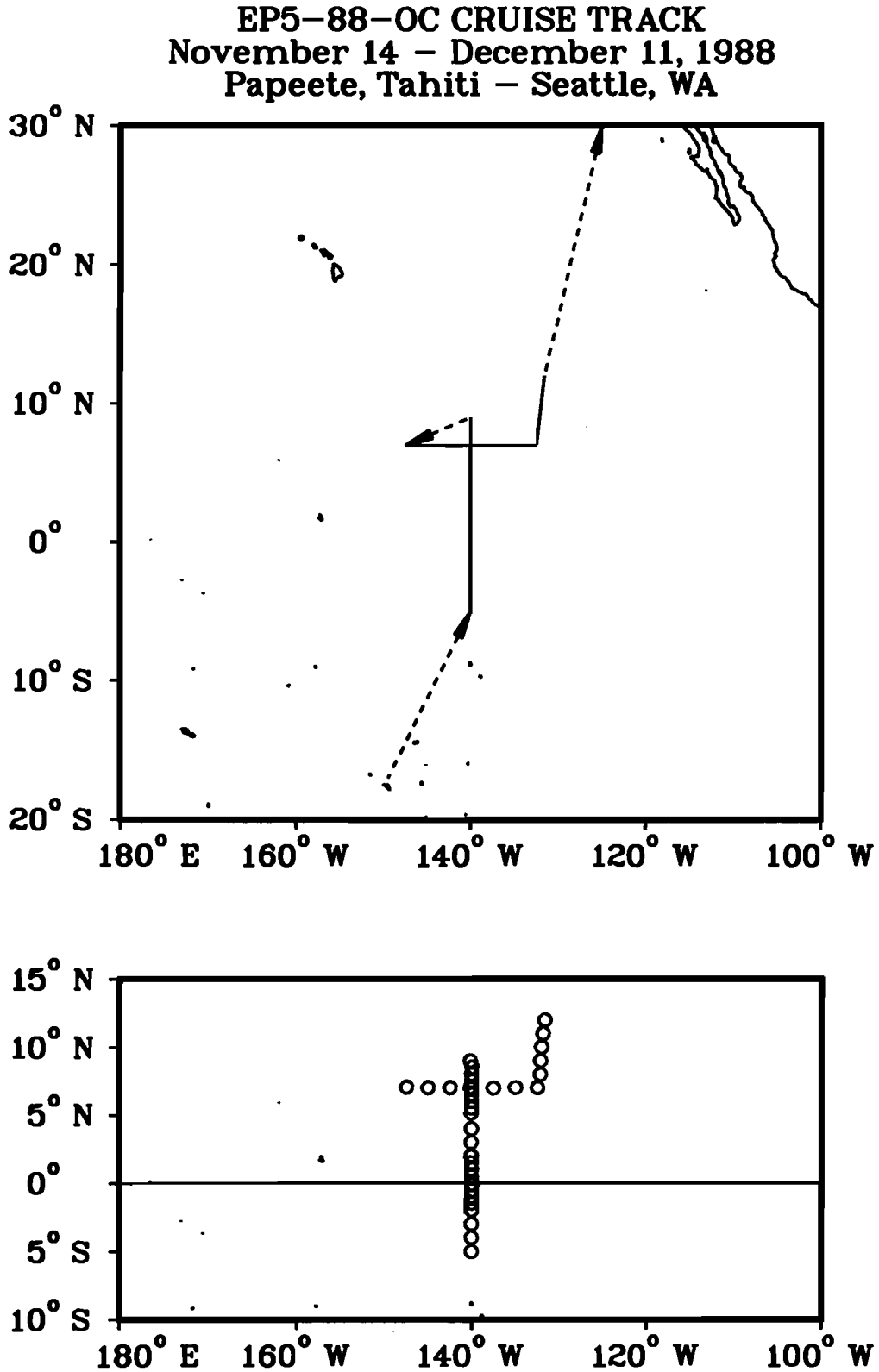


Fig. 1f. EP5-88-OC cruise track and station locations.

TABLE 1f. EP5-88 CTD cast summary.

CAST #	LATITUDE	LONGITUDE	DATE	TIME (GMT)	W/D (T)	W/S (kts)	DEPTH (m)	CAST (db)
1	5 0.0S	140 0.3W	18 NOV 88	621	95	15	4292	1007
2	3 59.0S	140 0.7W	18 NOV 88	1151	80	16	4493	1003
3	2 59.8S	139 59.9W	18 NOV 88	1723	95	20	4444	1009
4	1 59.2S	139 59.2W	19 NOV 88	558	90	20	4261	4106
5	1 58.4S	139 57.1W	19 NOV 88	903	95	20	4261	300
6	1 29.8S	139 59.4W	19 NOV 99	1225	90	14	4279	1002
7	0 59.2S	139 58.5W	19 NOV 88	1600	95	14	4267	1000
8	0 30.5S	139 59.9W	18 NOV 88	1934	90	14	4302	1006
9	0 4.4S	139 52.4W	19 NOV 88	2318	76	18	4328	501
10	0 5.3S	139 58.9W	20 NOV 88	933	90	18	4303	4197
11	0 3.9S	140 0.0W	20 NOV 88	1319	100	20	4267	301
12	0 7.6S	139 56.4W	21 NOV 88	430	100	17	4267	503
13	0 29.4N	140 0.4W	21 NOV 88	839	100	16	4334	1000
14	1 0.1N	140 0.2W	21 NOV 88	1255	105	22	4309	1001
15	1 29.7N	140 0.5W	21 NOV 88	1631	125	18	4823	1015
16	2 0.6N	140 0.4W	22 NOV 88	938	80	18	4371	4247
17	2 0.2N	140 0.7W	22 NOV 88	1328	95	16	4371	300
18	1 57.8N	140 4.5W	22 NOV 88	2234	110	10	4385	499
19	2 59.7N	140 1.6W	23 NOV 88	408	110	13	4297	999
20	3 59.4N	139 59.6W	23 NOV 88	940	140	15	4340	1002
21	5 8.3N	140 3.7W	23 NOV 88	1554	140	14	4352	301
22	5 7.6N	140 2.3W	23 NOV 88	1911	150	15	4377	4099
23	5 29.7N	139 58.7W	24 NOV 88	36	155	14	4850	1000
24	5 58.9N	139 59.4W	24 NOV 88	419	140	14	4844	1001
25	6 30.3N	139 59.9W	24 NOV 88	752	140	14	4822	1009
26	6 56.7N	139 58.7W	24 NOV 88	1152	140	12	4985	4697
27	7 1.7N	140 0.5W	24 NOV 88	2301	140	20	4998	304
28	7 29.7N	139 59.1W	25 NOV 88	156	140	16	4924	1019
29	7 59.6N	139 59.8W	25 NOV 88	529	145	18	5121	1007
31	8 31.3N	139 56.2W	25 NOV 88	1047	135	10	4844	1007
32	8 57.2N	140 7.6W	25 NOV 88	1503	140	8	5152	4495
33	8 58.5N	140 9.8W	25 NOV 88	1949	135	8	5137	502
34	7 3.0N	147 29.8W	27 NOV 88	2211	135	22	4952	500
35	7 1.2N	147 28.4W	28 NOV 88	105	150	13	4930	4695
36	6 59.5N	144 59.3W	28 NOV 88	1511	150	18	5121	1015
37	6 59.9N	142 28.8W	29 NOV 88	253	185	11	5010	1000
38	7 1.2N	140 7.0W	29 NOV 88	2334	150	18	4990	501
39	6 59.0N	140 8.4W	30 NOV 88	24	155	21	4968	502
40	7 1.1N	140 9.0W	30 NOV 88	107	155	17	4957	499
41	6 58.9N	137 30.5W	30 NOV 88	1332	140	16	4751	1001
42	7 0.5N	134 58.2W	1 DEC 88	135	145	11	4659	999
43	7 1.7N	132 30.5W	2 DEC 88	17	160	18	4679	500
44	6 59.9N	132 29.7W	2 DEC 88	253	160	16	4536	4299
45	7 59.7N	132 10.2W	2 DEC 88	1252	190	6	4813	1000
46	9 0.1N	132 7.9W	2 DEC 88	1913	120	24	4907	1000
47	9 59.6N	132 2.2W	3 DEC 88	116	75	10	5029	1001
48	11 0.3N	131 51.4W	3 DEC 88	711	95	20	5029	1009
49	12 0.0N	131 39.9W	3 DEC 88	1301	95	14	4918	1001

TABLE 2. Weather condition code used to describe each set of CTD measurements.

Code	Weather Condition
0	Clear (no cloud)
1	Partly cloudy
2	Continuous layer(s) of cloud(s)
3	Sandstorm, dust storm, or blowing snow
4	Fog, thick dust or haze
5	Drizzle
6	Rain
7	Snow, or rain and snow mixed
8	Shower(s)
9	Thunderstorms

TABLE 3. Sea state code used to describe each set of CTD measurements.

Code	Height (meters)	Description
0	0	Calm-glassy
1	0–0.1	Calm-rippled
2	0.1–0.5	Smooth-wavelet
3	0.5–1.25	Slight
4	1.25–2.5	Moderate
5	2.5–4	Rough
6	4–6	Very rough
7	6–9	High
8	9–14	Very high
9	>14	Phenomenal

TABLE 4. Visibility code used to describe each set of CTD measurements.

Code	Visibility
0	<50 meters
1	50–200 meters
2	200–500 meters
3	500–1,000 meters
4	1–2 km
5	2–4 km
6	4–10 km
7	10–20 km
8	20–50 km
9	50 km or more

TABLE 5. Cloud type.

Code	Cloud Types
0	Cirrus
1	Cirrocumulus
2	Cirrostratus
3	Altocumulus
4	Altostratus
5	Nimbostratus
6	Stratocumulus
7	Stratus
8	Cumulus
9	Cumulonimbus
X	Clouds not visible

TABLE 6. Cloud amount.

Code	Cloud Amount
0	0
1	1/10 or less but not zero
2	2/10–3/10
3	4/10
4	5/10
5	6/10
6	7/10–8/10
7	9/10
8	10/10
9	Sky obscured or not determined

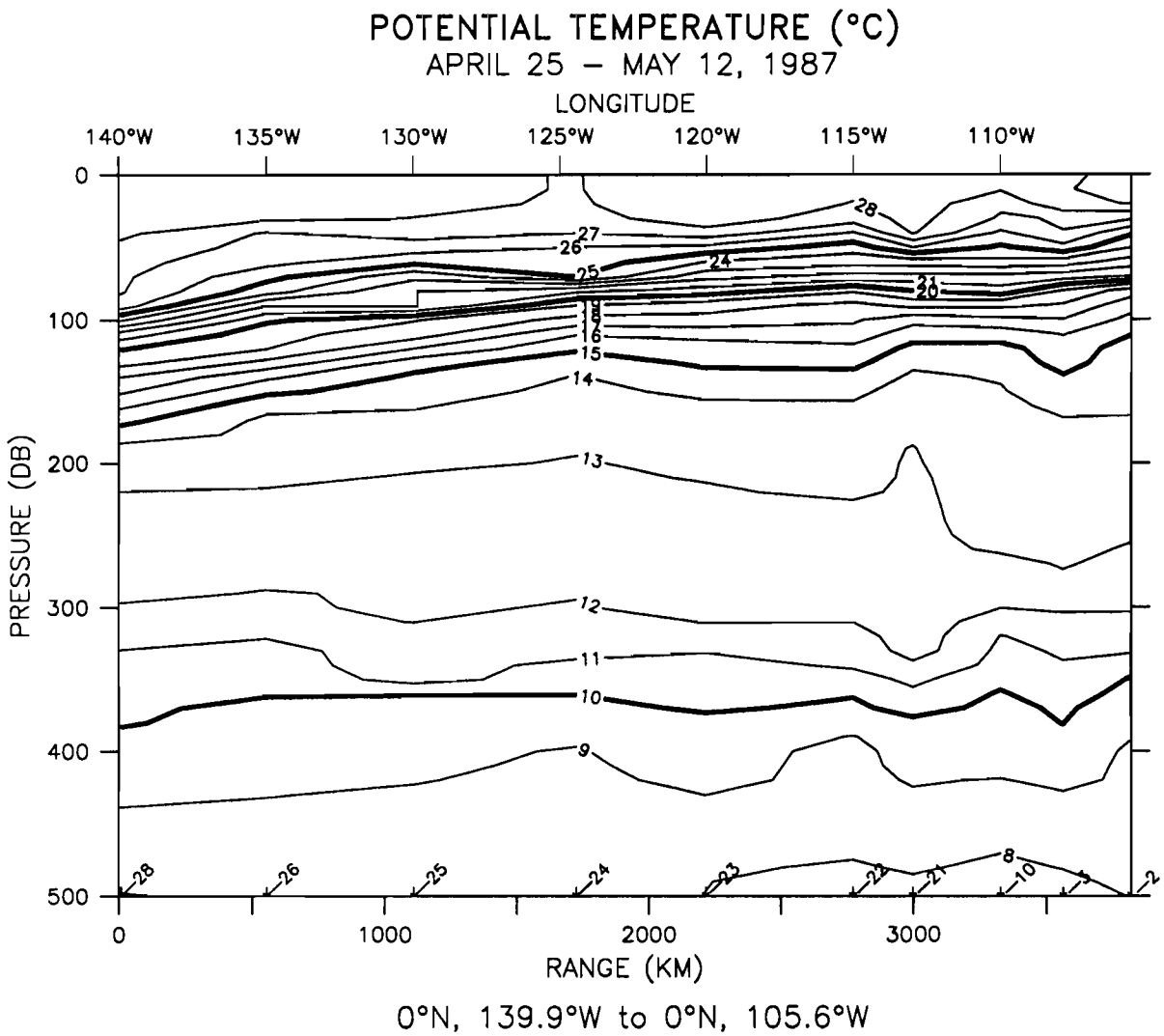


Fig. 2. EP1-87-RS spring potential temperature (C) section along the equator. Contour interval is 1°C.

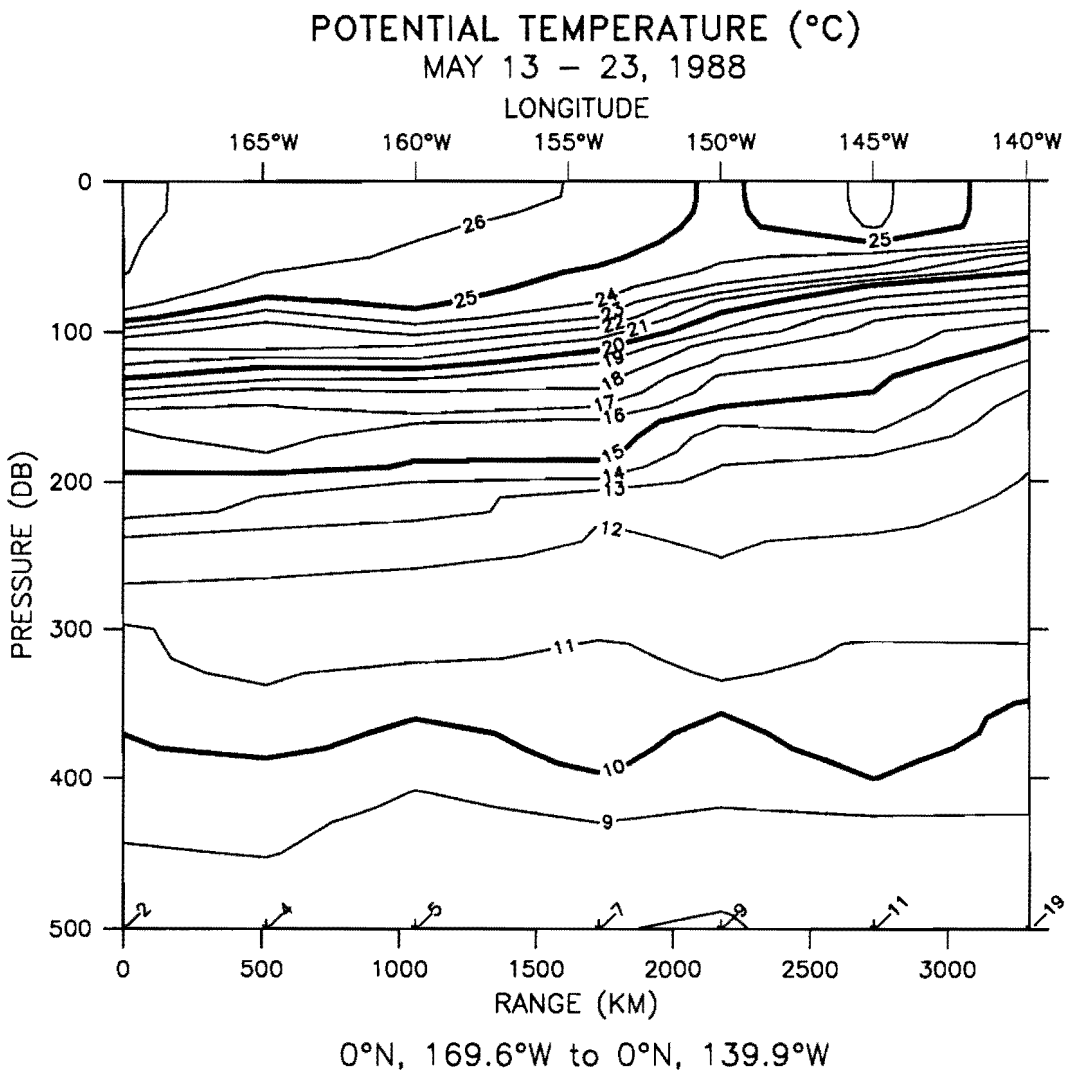


Fig. 3. EP1-88-OC spring potential temperature (C) section along the equator. Contour interval is 1°C.

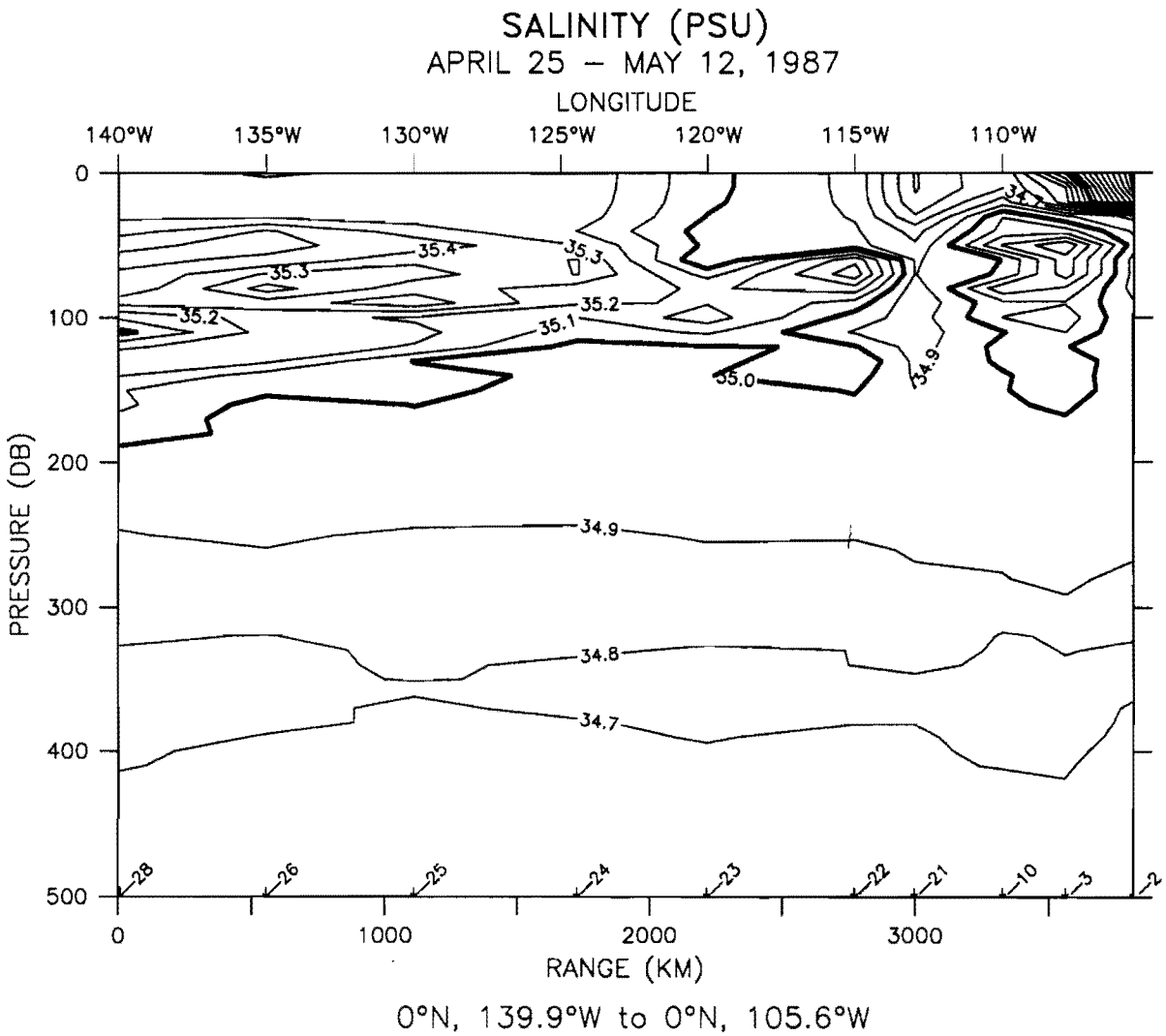


Fig. 4. EP1-87-RS spring salinity (psu) section along the equator. Contour interval is 0.1 psu.

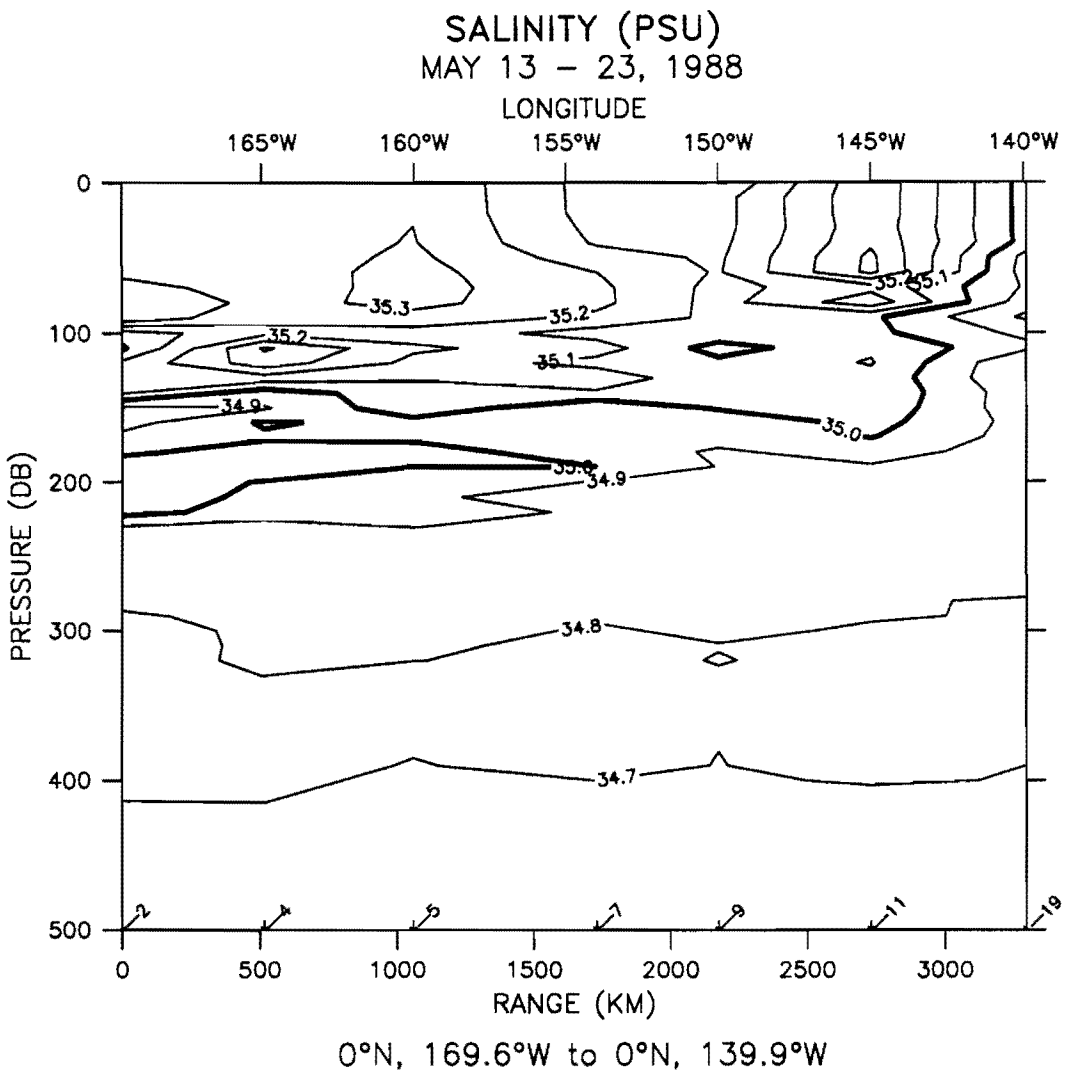


Fig. 5. EP1-88-OC spring salinity (psu) section along the equator. Contour interval is 0.1 psu.

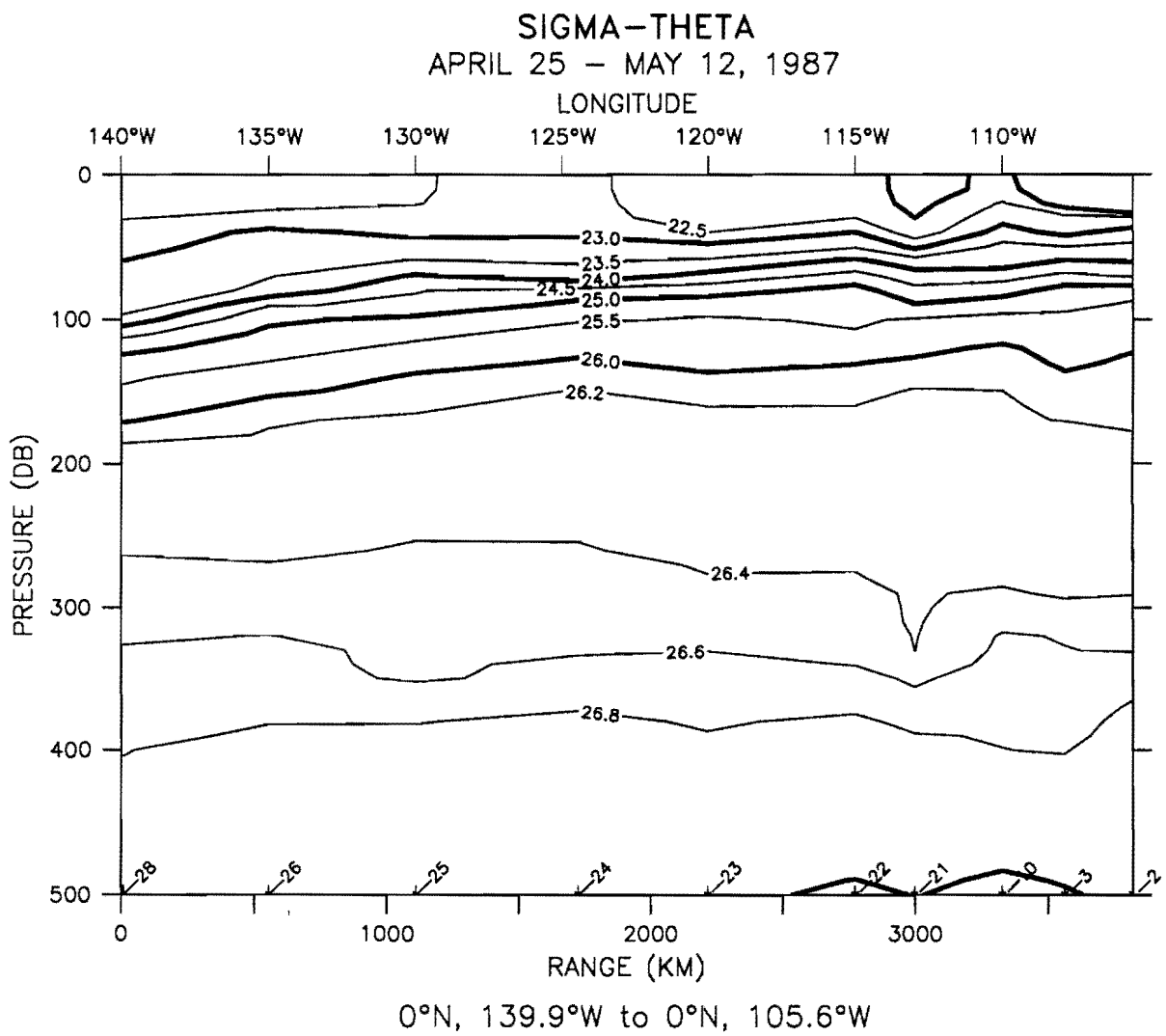


Fig. 6. EP1-87-RS spring potential density (kg/m^3) section along the equator. Contour interval is 0.5 less than 26.0 and 0.2 greater than 26.0.

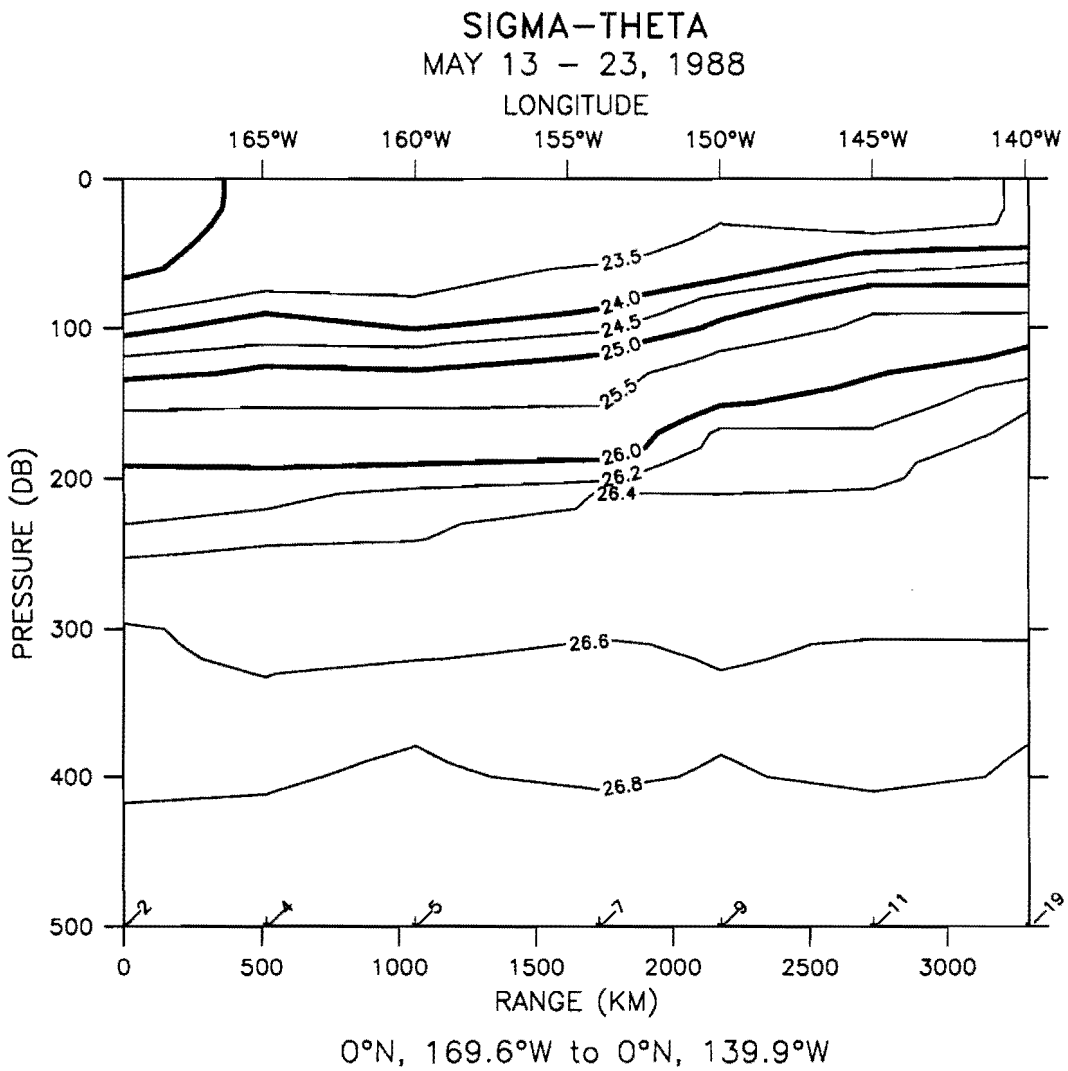


Fig. 7. EP1-88-OC spring potential density (kg/m^3) section along the equator. Contour interval is 0.5 less than 26.0 and 0.2 greater than 26.0.

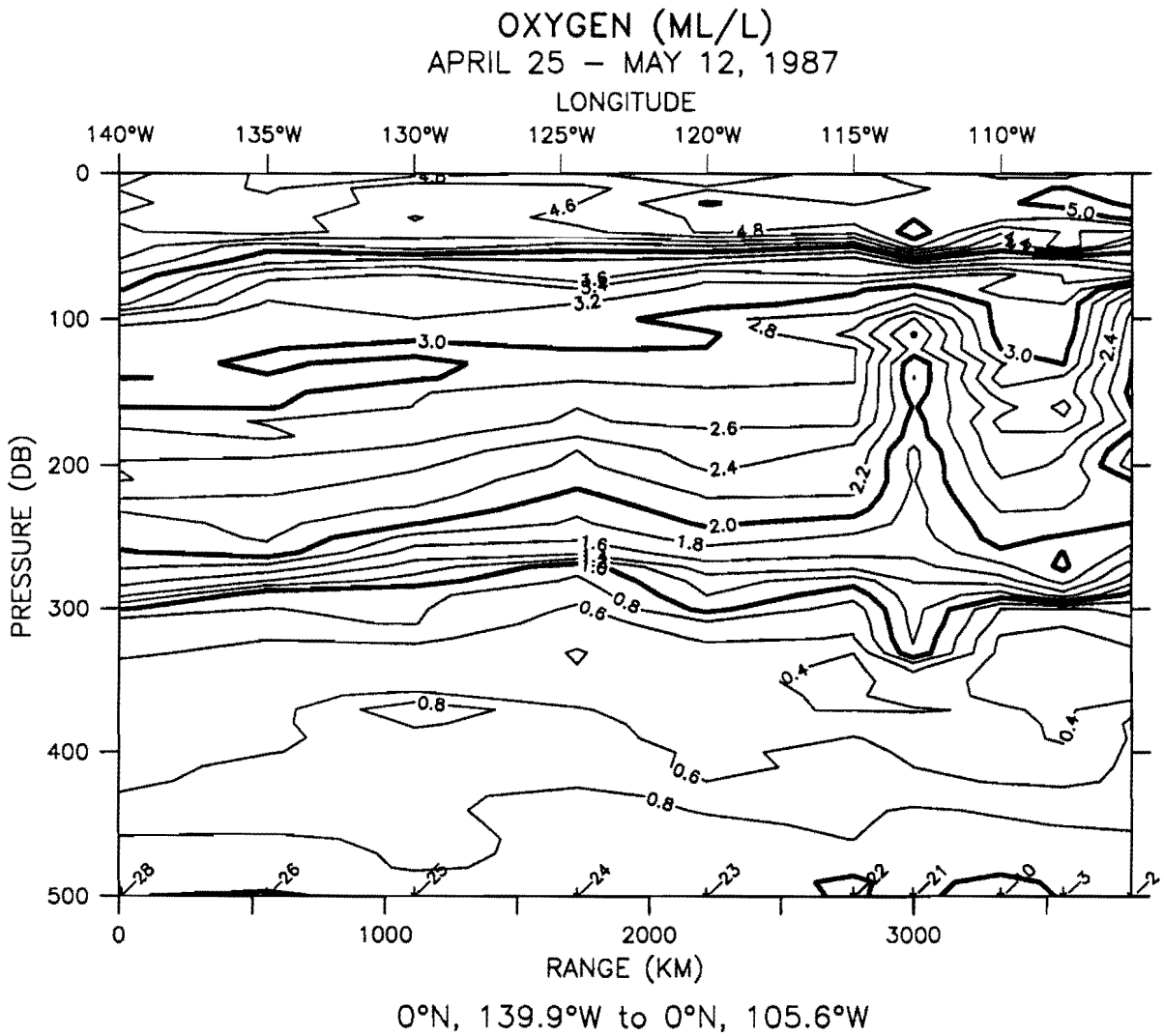


Fig. 8. EP1-87-RS spring oxygen (ml/l) section along the equator. Contour interval is 0.2 ml/l.

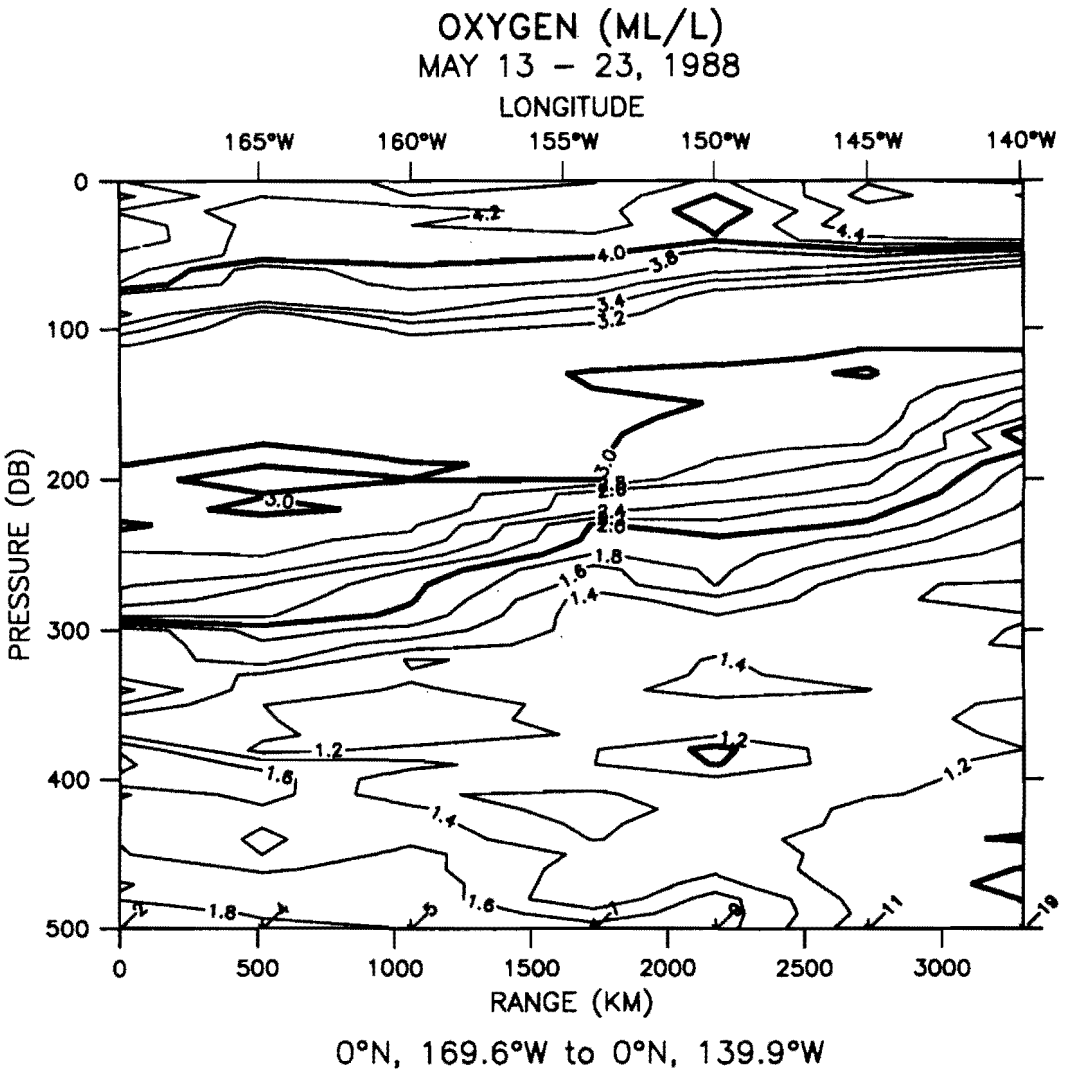


Fig. 9. EP1-88-OC spring oxygen (ml/l) section along the equator. Contour interval is 0.2 ml/l.

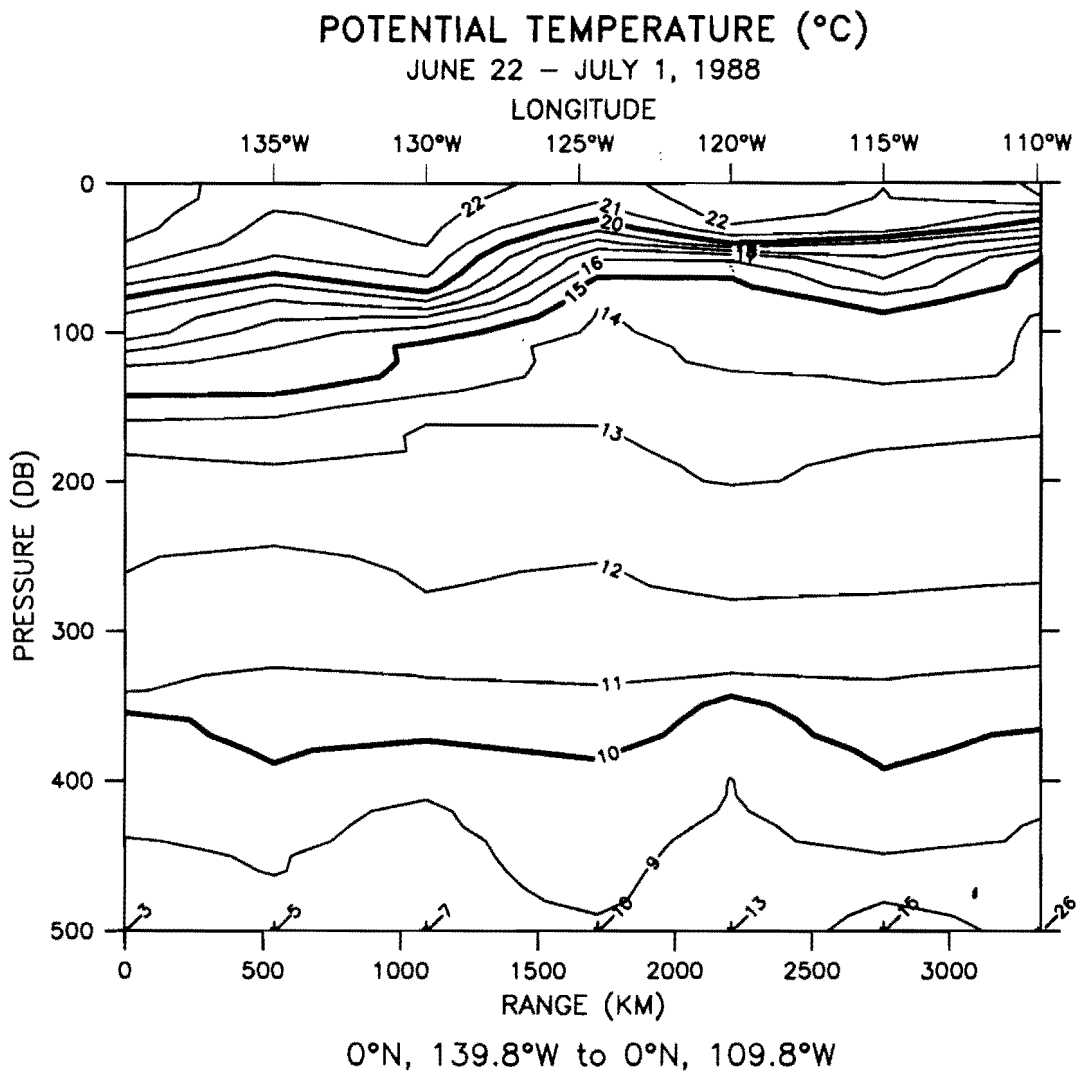


Fig. 10. EP2-88-OC summer potential temperature (C) section along the equator. Contour interval is 1°C.

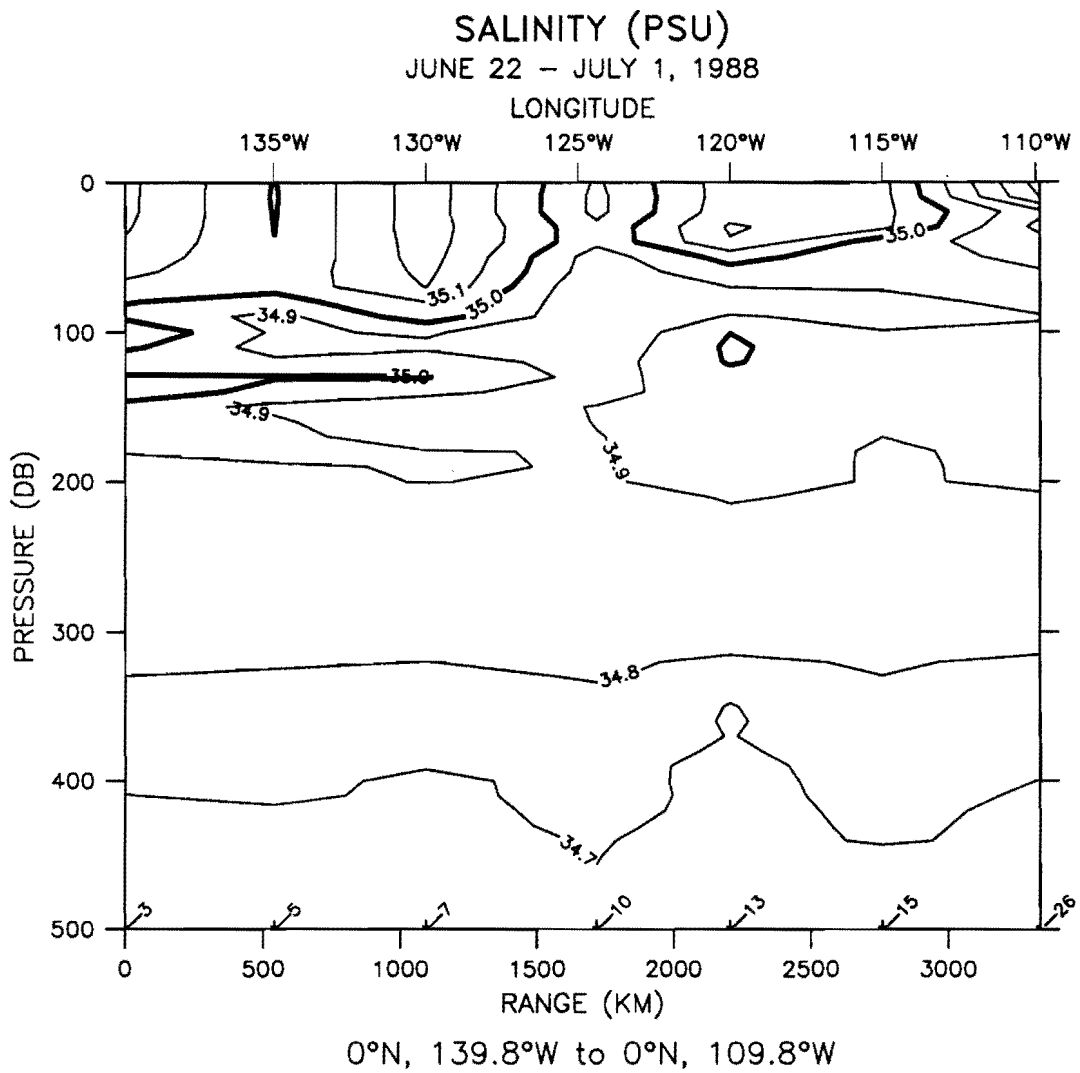


Fig. 11. EP2-88-OC summer salinity (psu) section along the equator. Contour interval is 0.1 psu.

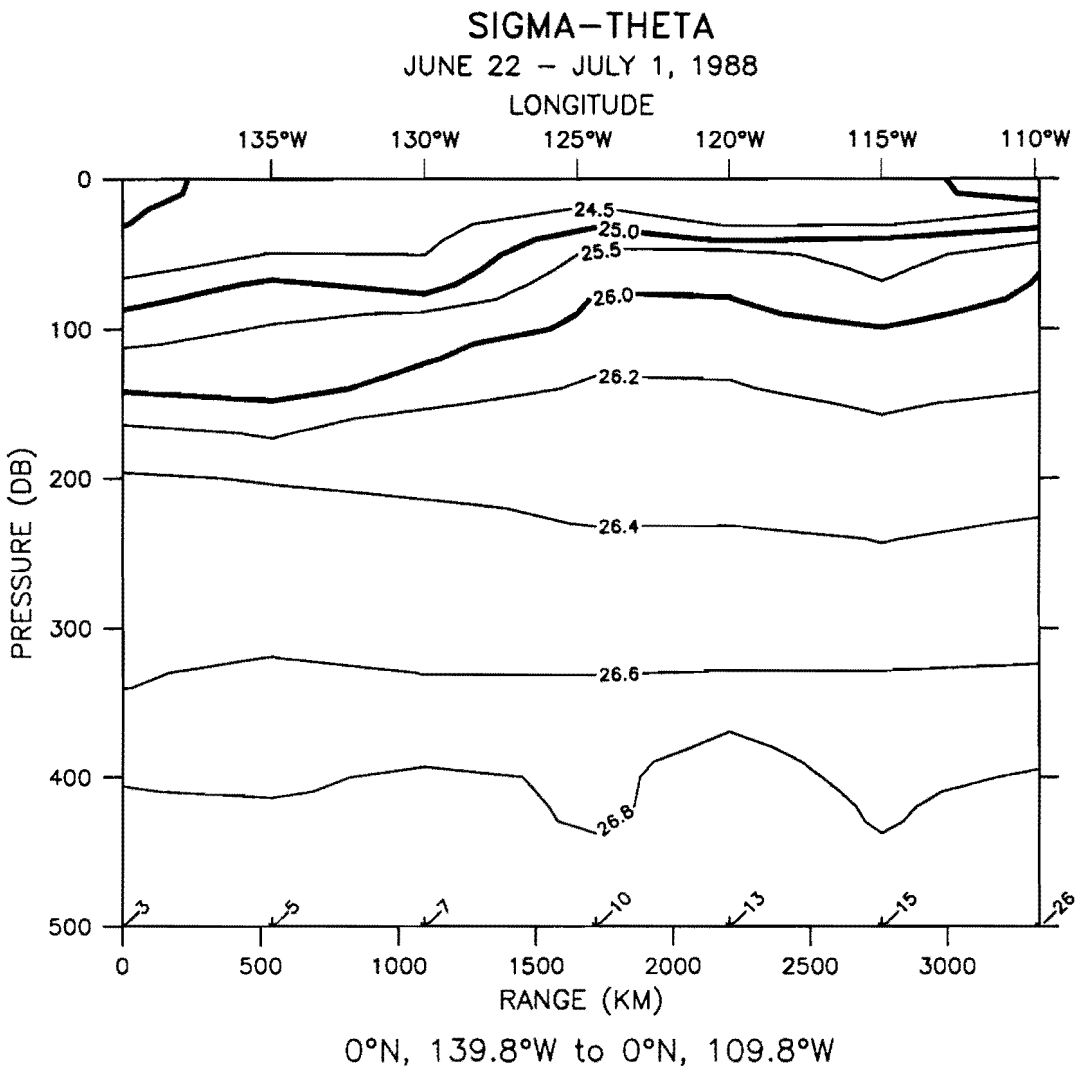


Fig. 12. EP2-88-OC summer potential density (kg/m^3) section along the equator. Contour interval is 0.5 less than 26.0 and 0.2 greater than 26.0.

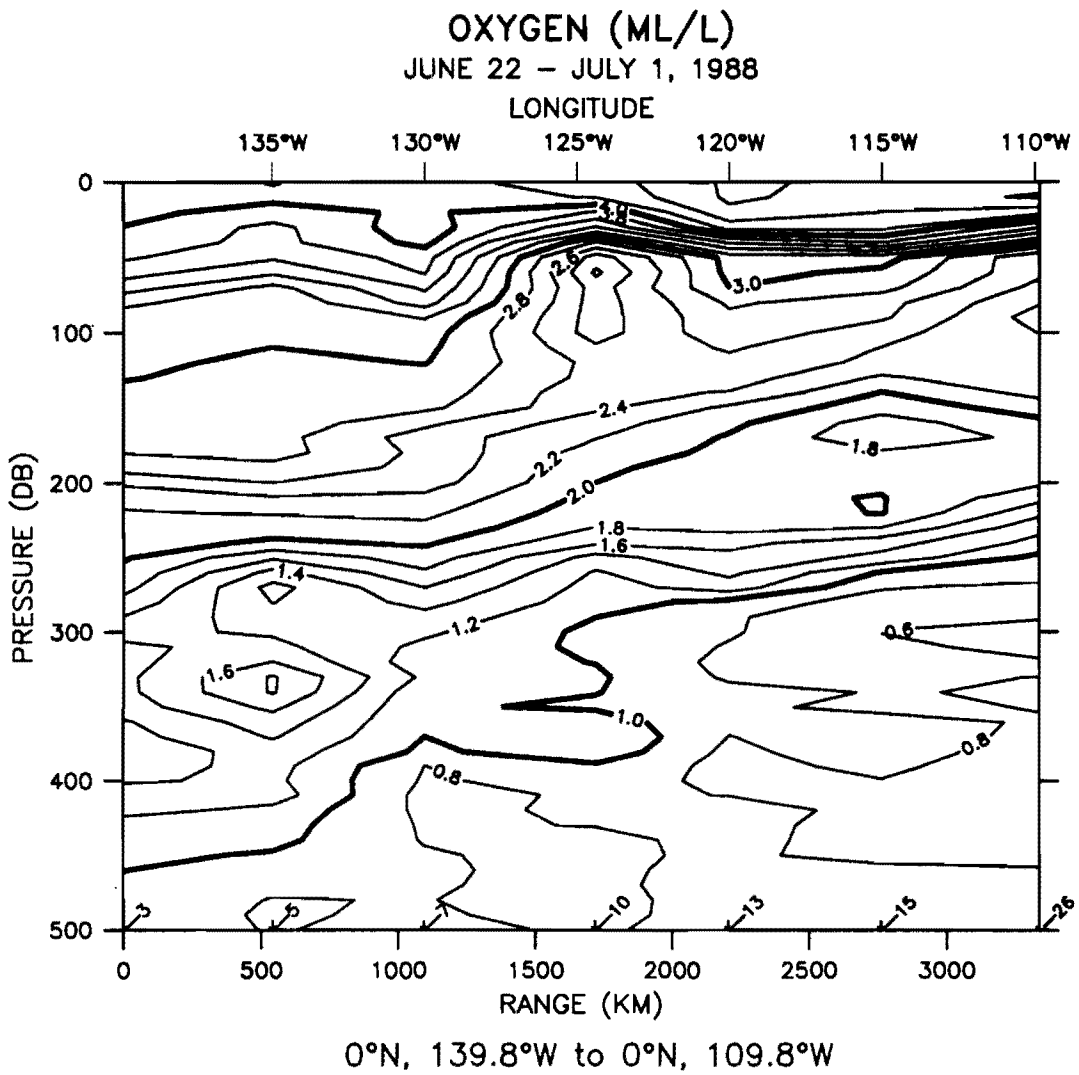


Fig. 13. EP2-88-OC summer oxygen (ml/l) section along the equator. Contour interval is 0.2 ml/l.

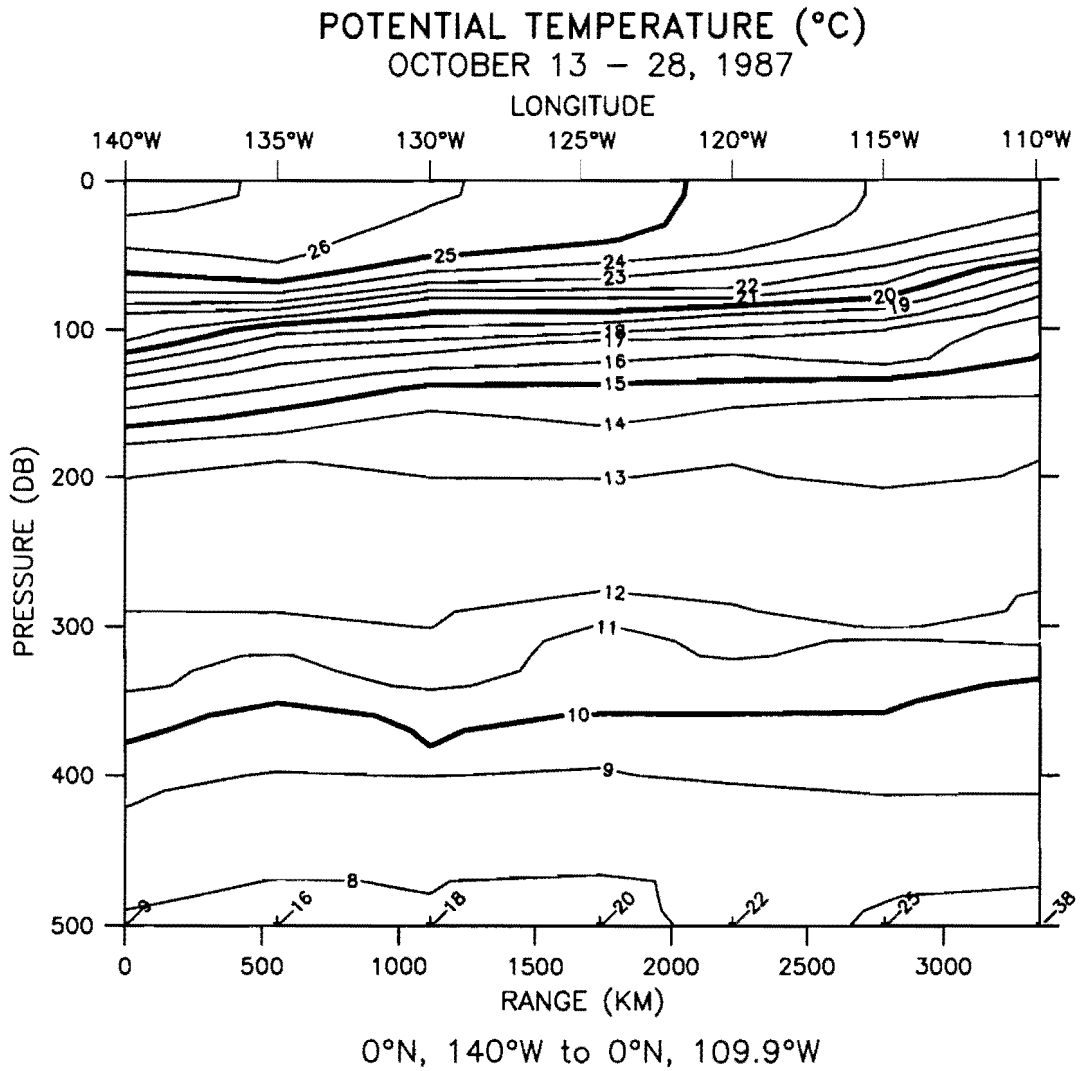


Fig. 14. EP2-87-OC fall potential temperature (C) section along the equator. Contour interval is 1°C.

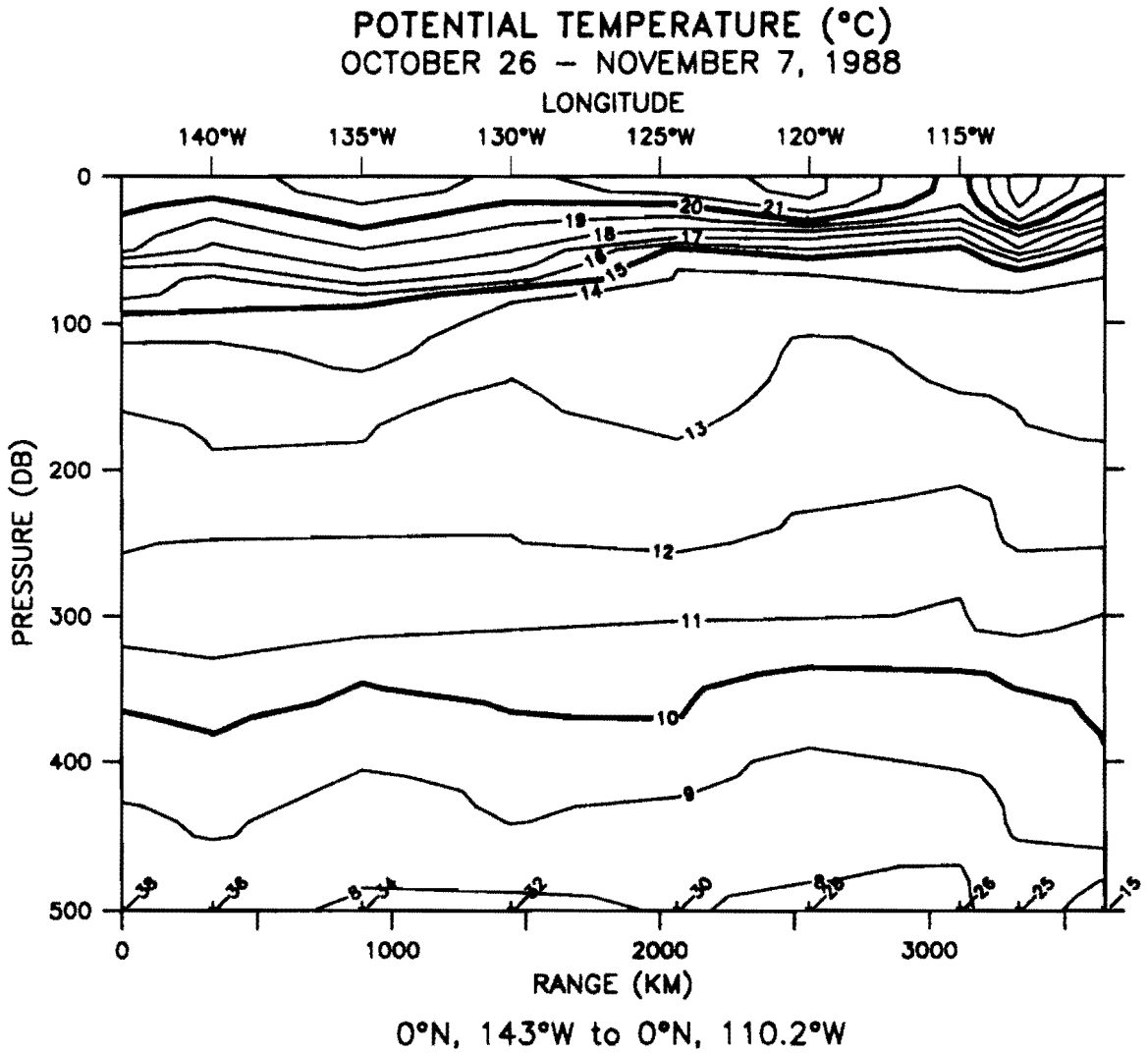


Fig. 15. EP4-88-OC fall potential temperature (C) section along the equator. Contour interval is 1°C.

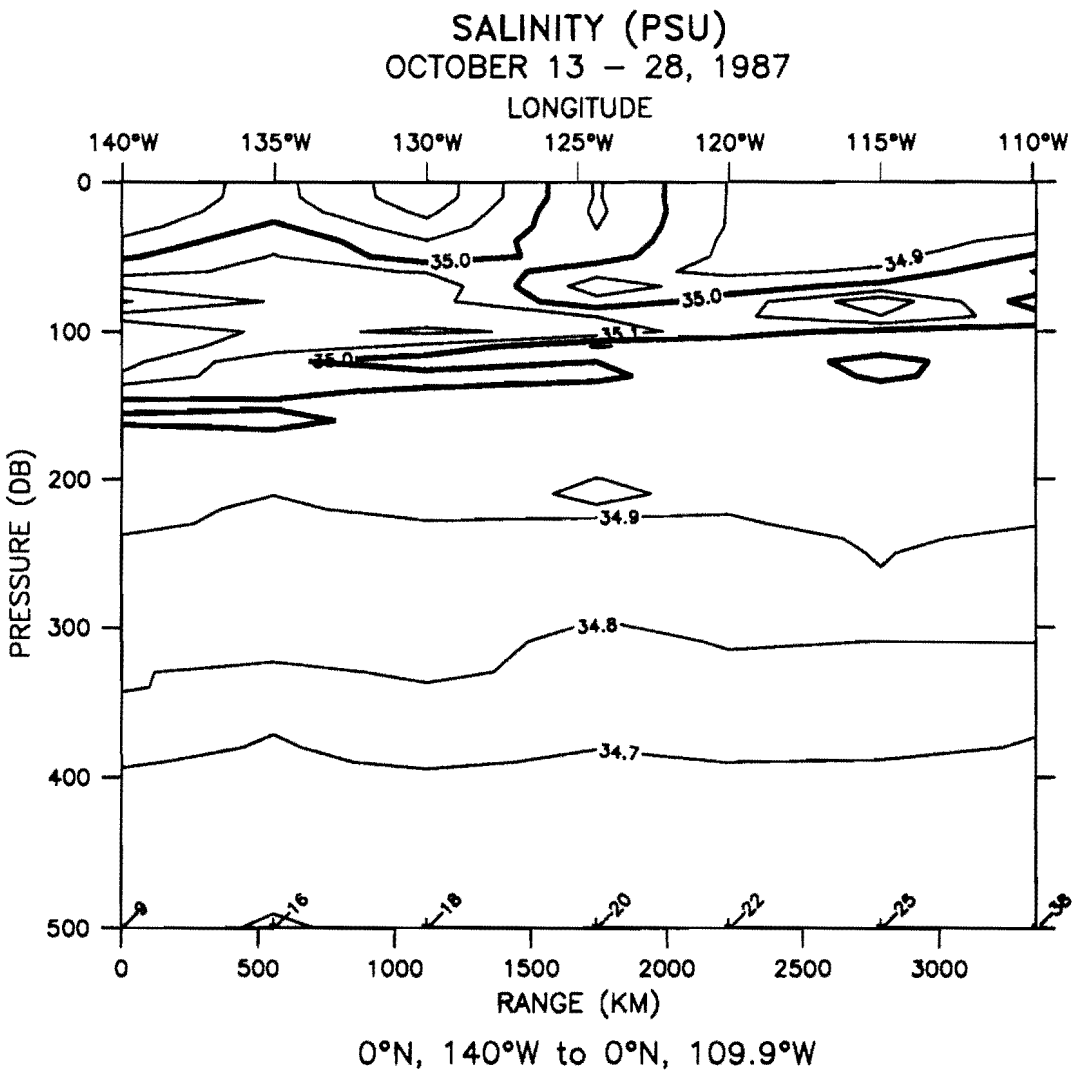


Fig. 16. EP2-87-OC fall salinity (psu) section along the equator. Contour interval is 0.1 psu.

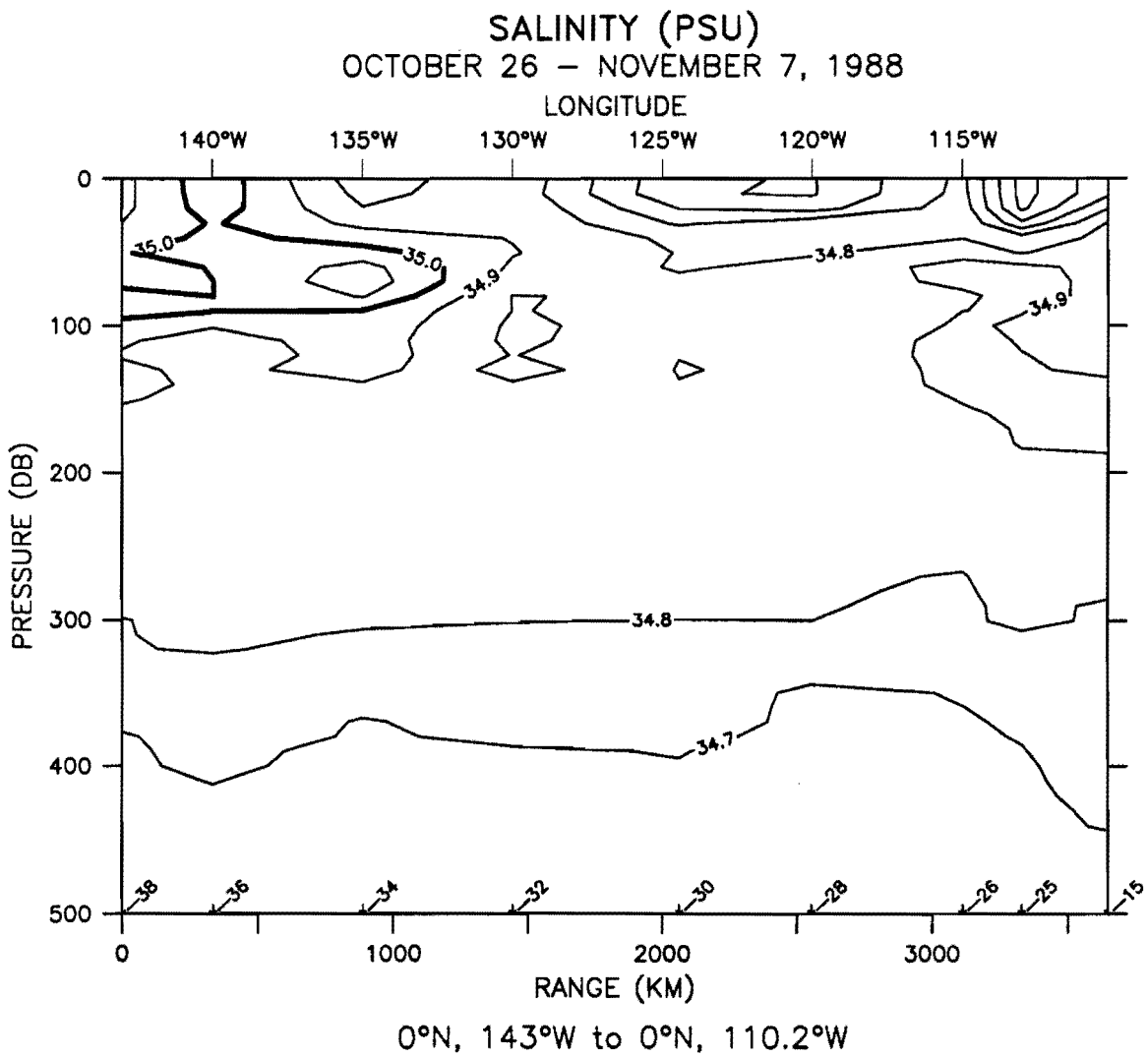


Fig. 17. EP4-88-OC fall salinity (psu) section along the equator. Contour interval is 0.1 psu.

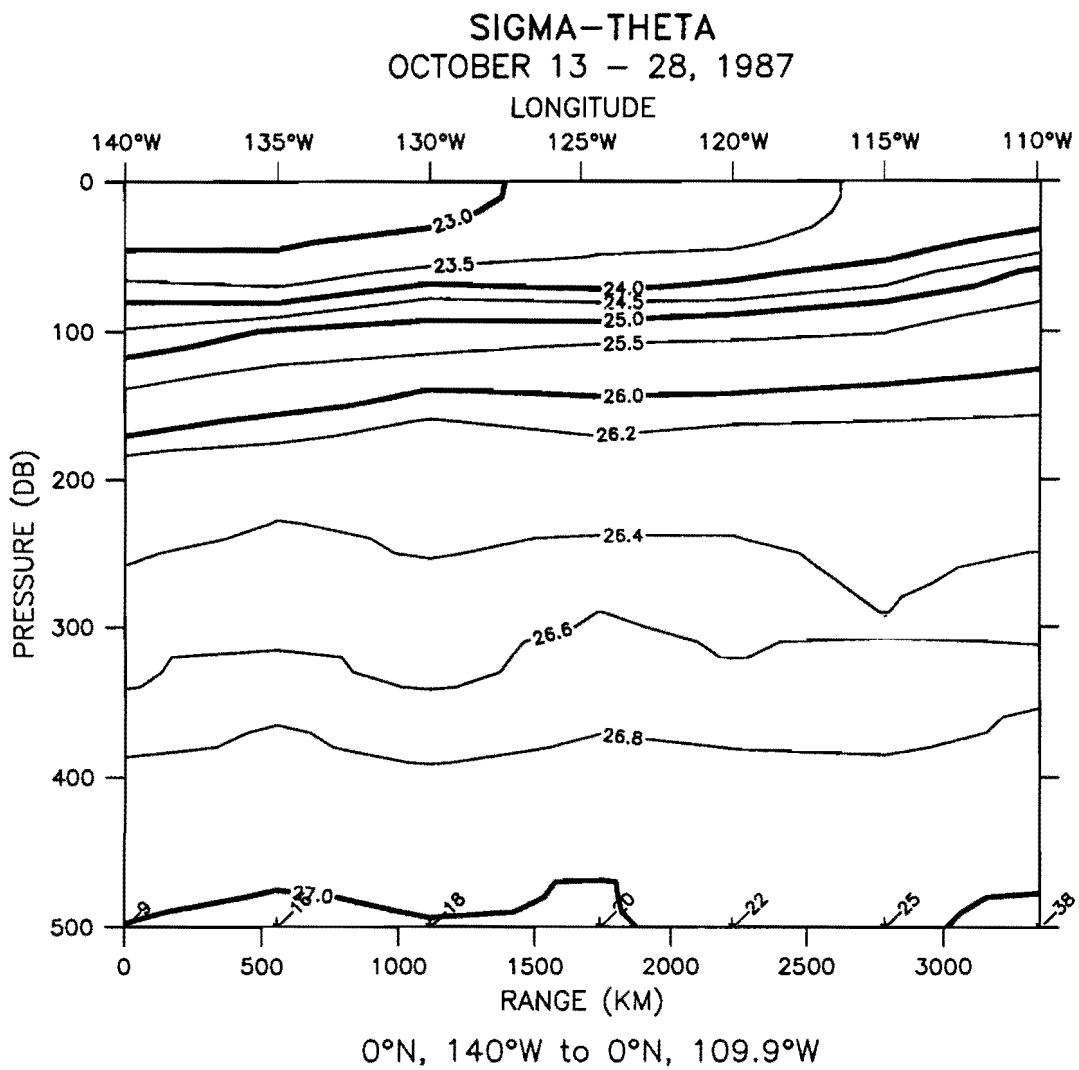


Fig. 18. EP2-87-OC fall potential density (kg/m^3) section along the equator. Contour interval is 0.5 less than 26.0 and 0.2 greater than 26.0.

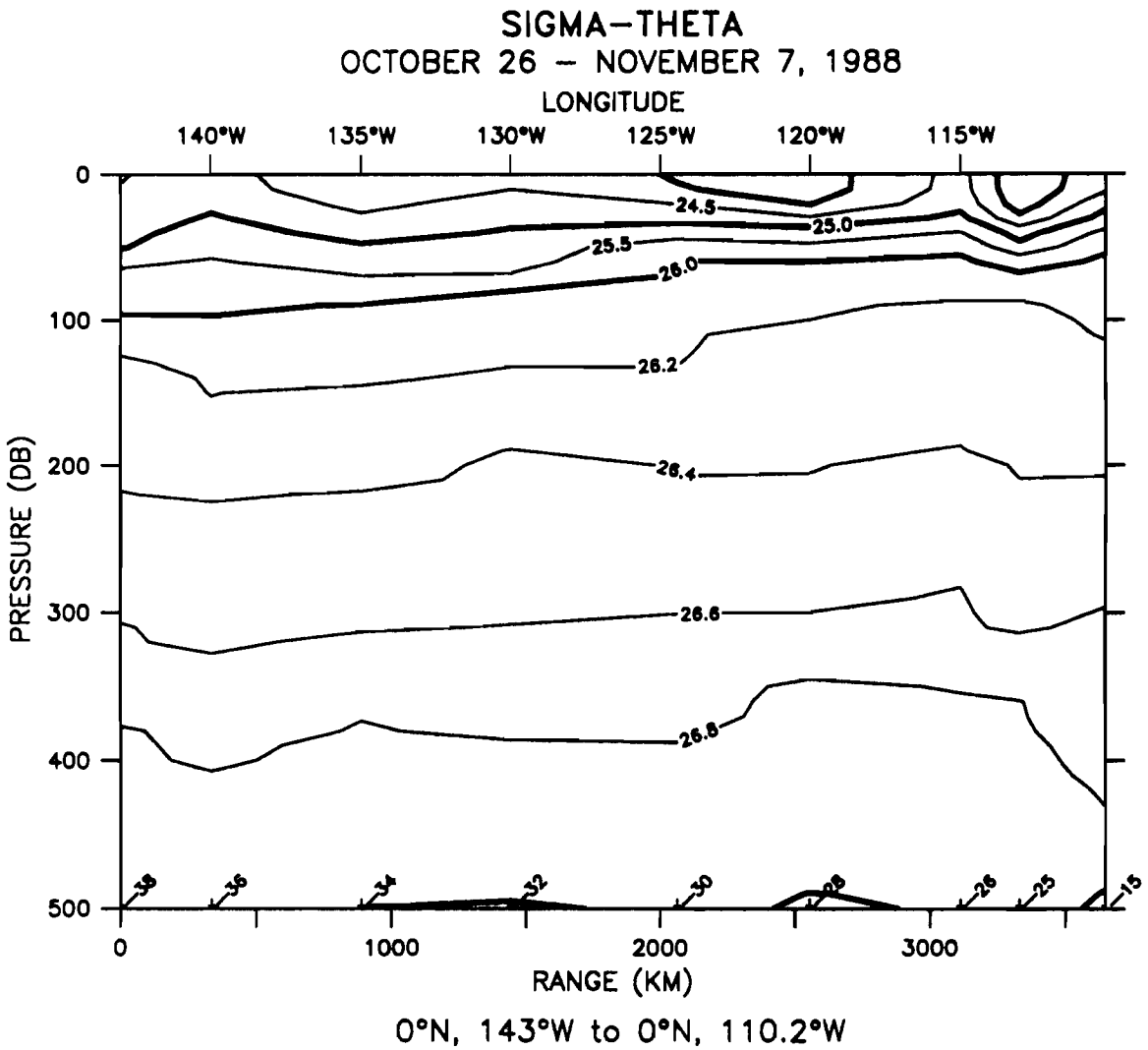


Fig. 19. EP4-88-OC fall potential density (kg/m^3) section along the equator. Contour interval is 0.5 less than 26.0 and 0.2 greater than 26.0.

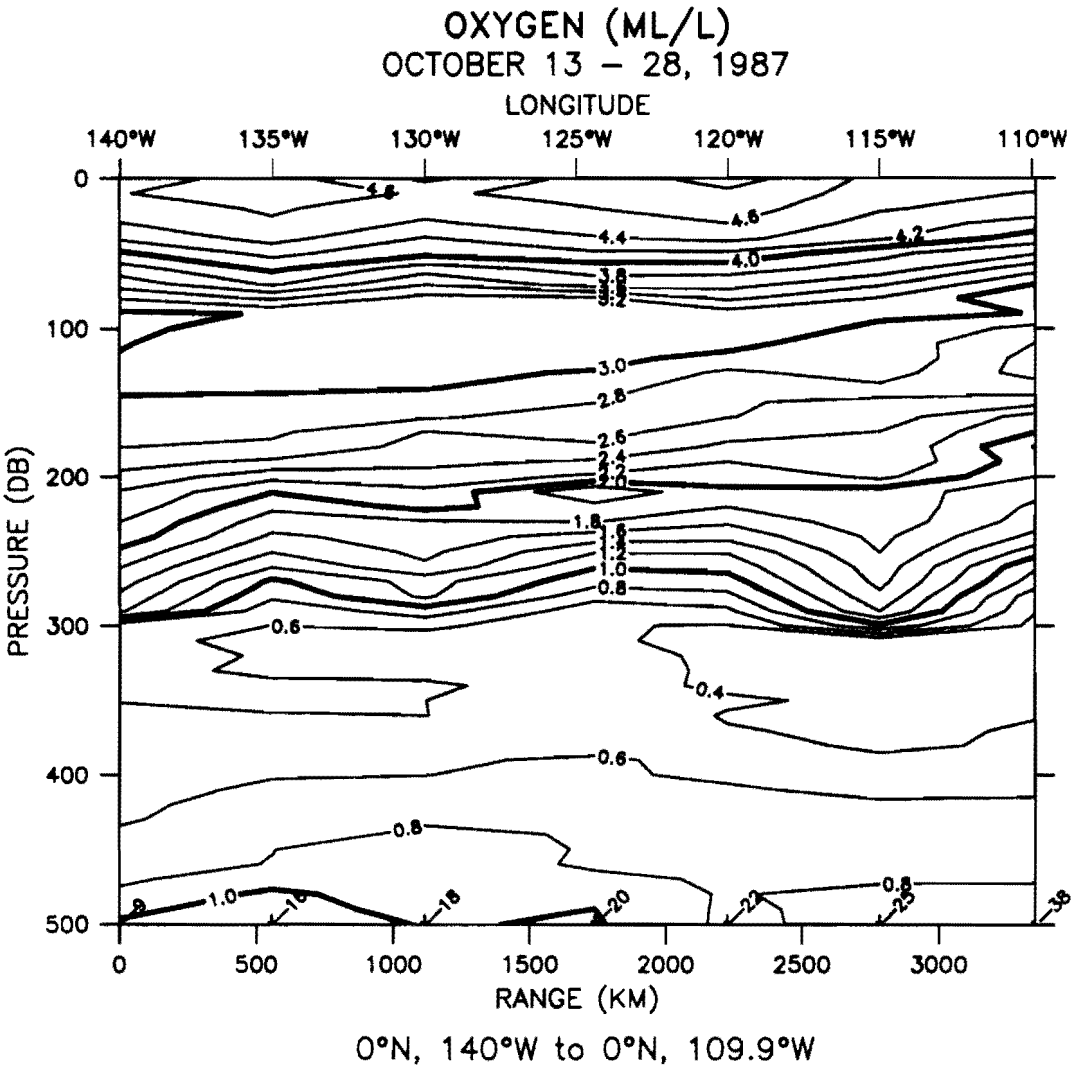


Fig. 20. EP2-87-OC fall oxygen (ml/l) section along the equator. Contour interval is 0.2 ml/l.

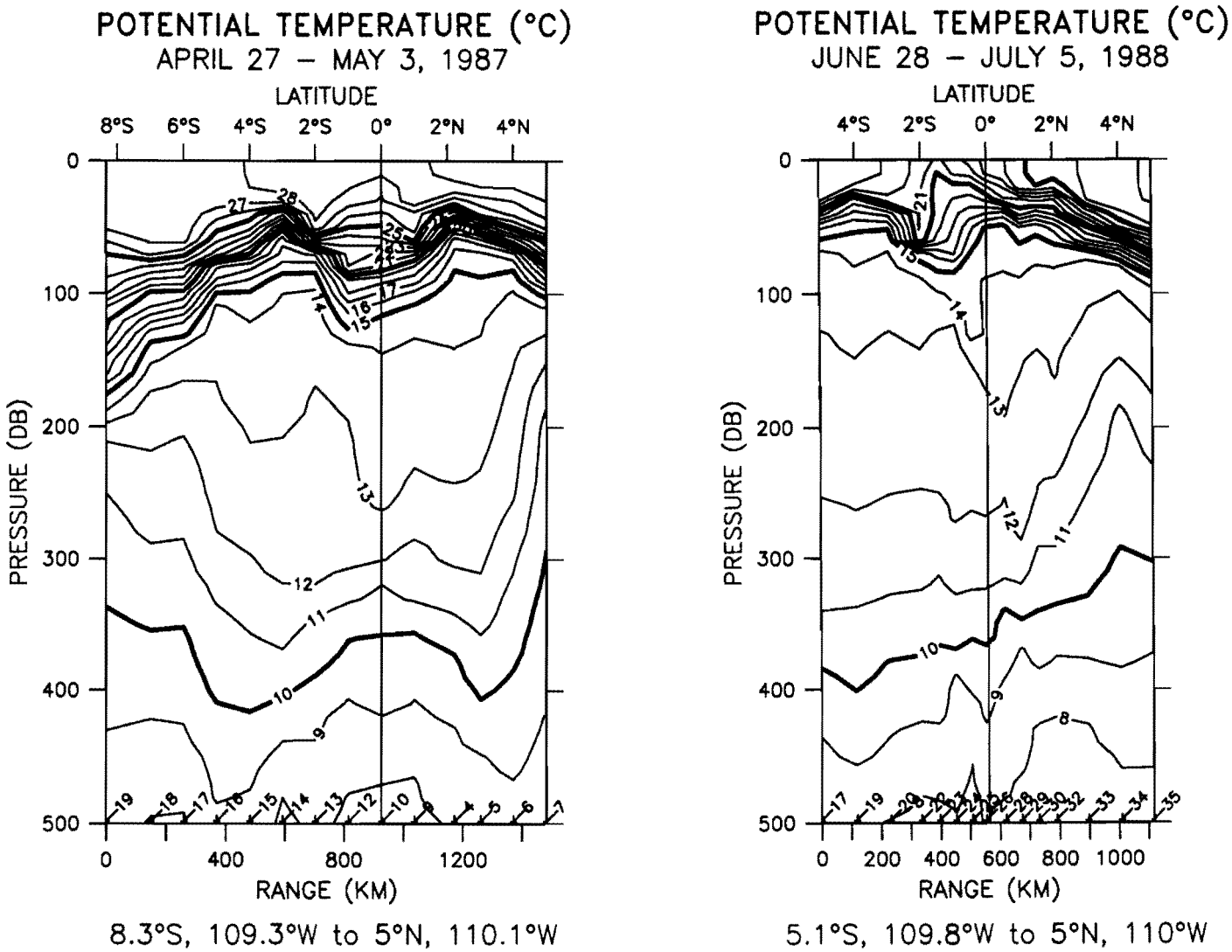


Fig. 21. EP1-87-RS spring and EP2-88-OC summer potential temperature (C) sections along 110°W. Contour interval is 1°C.

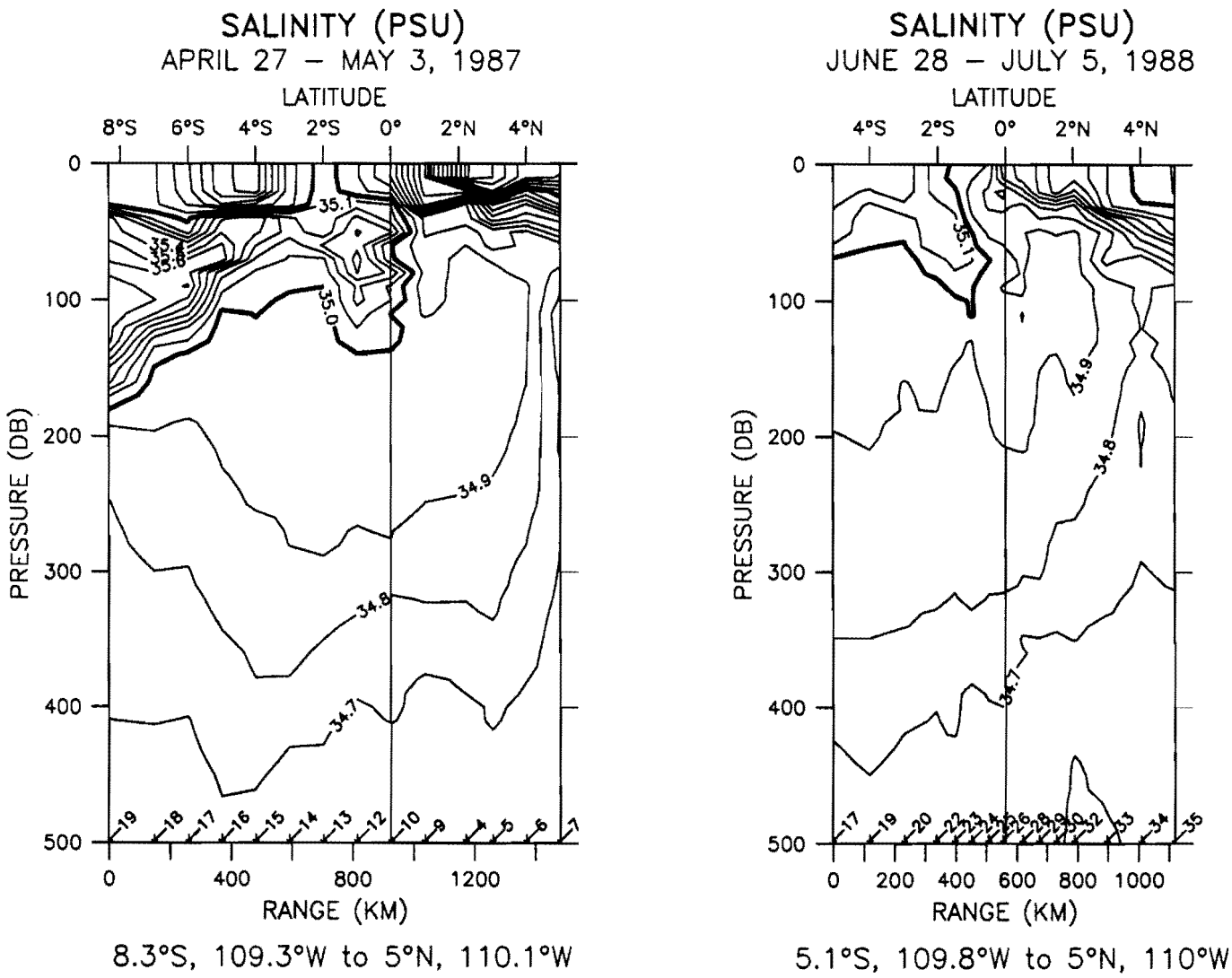


Fig. 22. EP1-87-RS spring and EP2-88-OC summer salinity (psu) sections along 110°W. Contour interval is 0.1 psu.

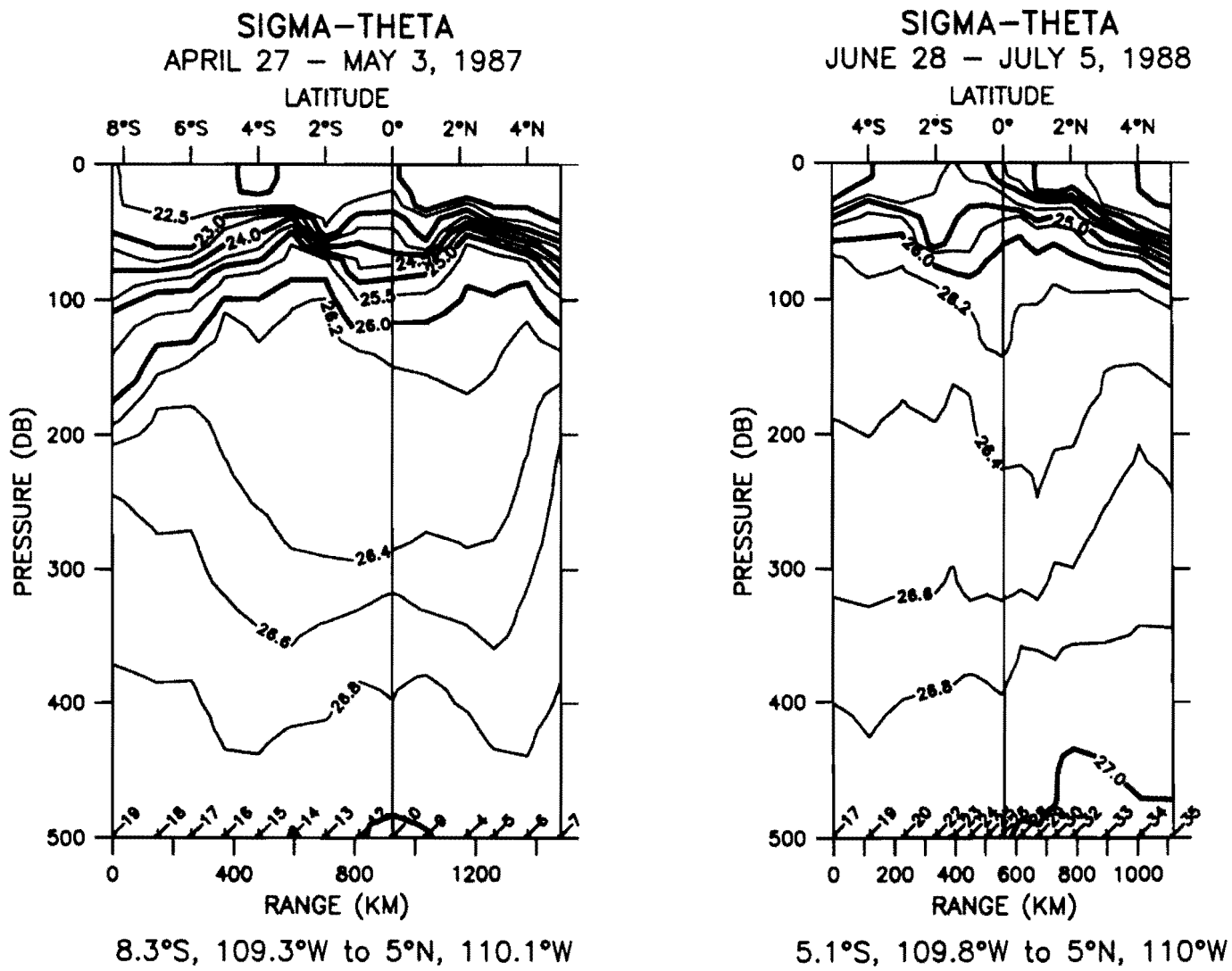


Fig. 23. EP1-87-RS spring and EP2-88-OC summer potential density (kg/m^3) sections along 110°W. Contour interval is 0.5 less than 26.0 and 0.2 greater than 26.0.

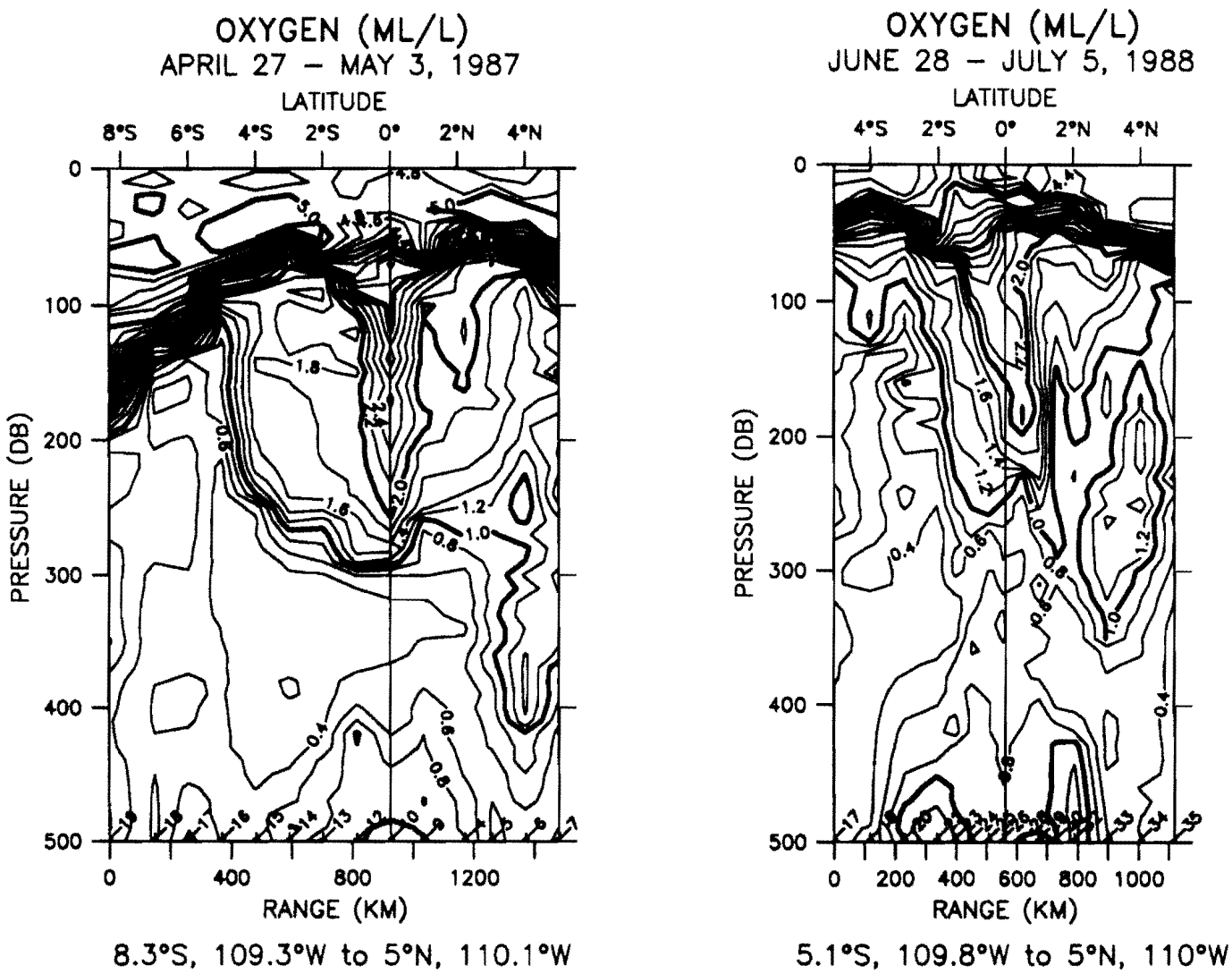


Fig. 24. EP1-87-RS spring and EP2-88-OC summer oxygen (ml/l) sections along 110°W. Contour interval is 0.2 ml/l.

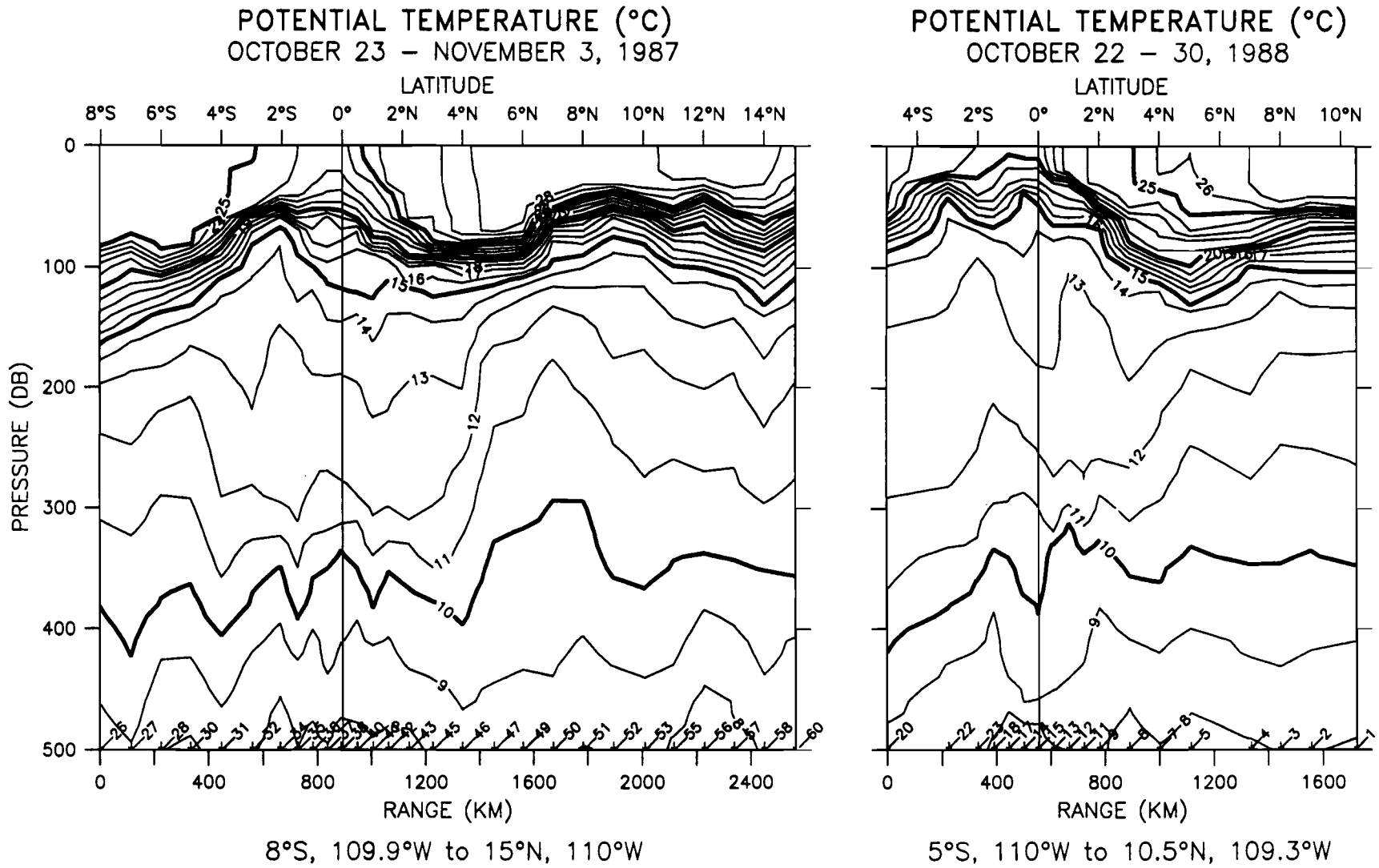


Fig. 25. EP2-87-OC and EP4-88-OC fall potential temperature (C) sections along 110°W. Contour interval is 1°C.

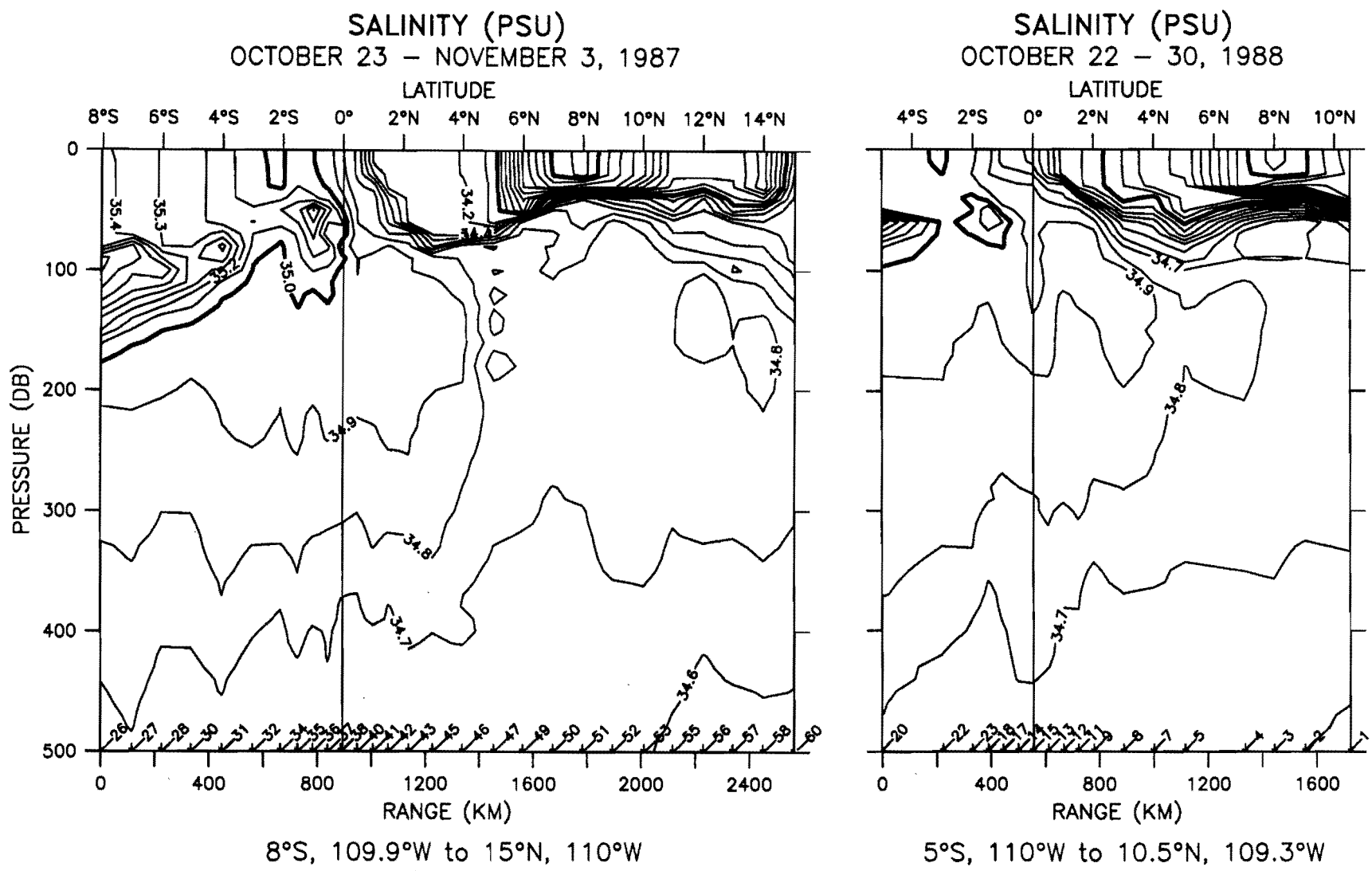


Fig. 26. EP2-87-OC and EP4-88-OC fall salinity (psu) sections along 110°W. Contour interval is 0.1 psu.

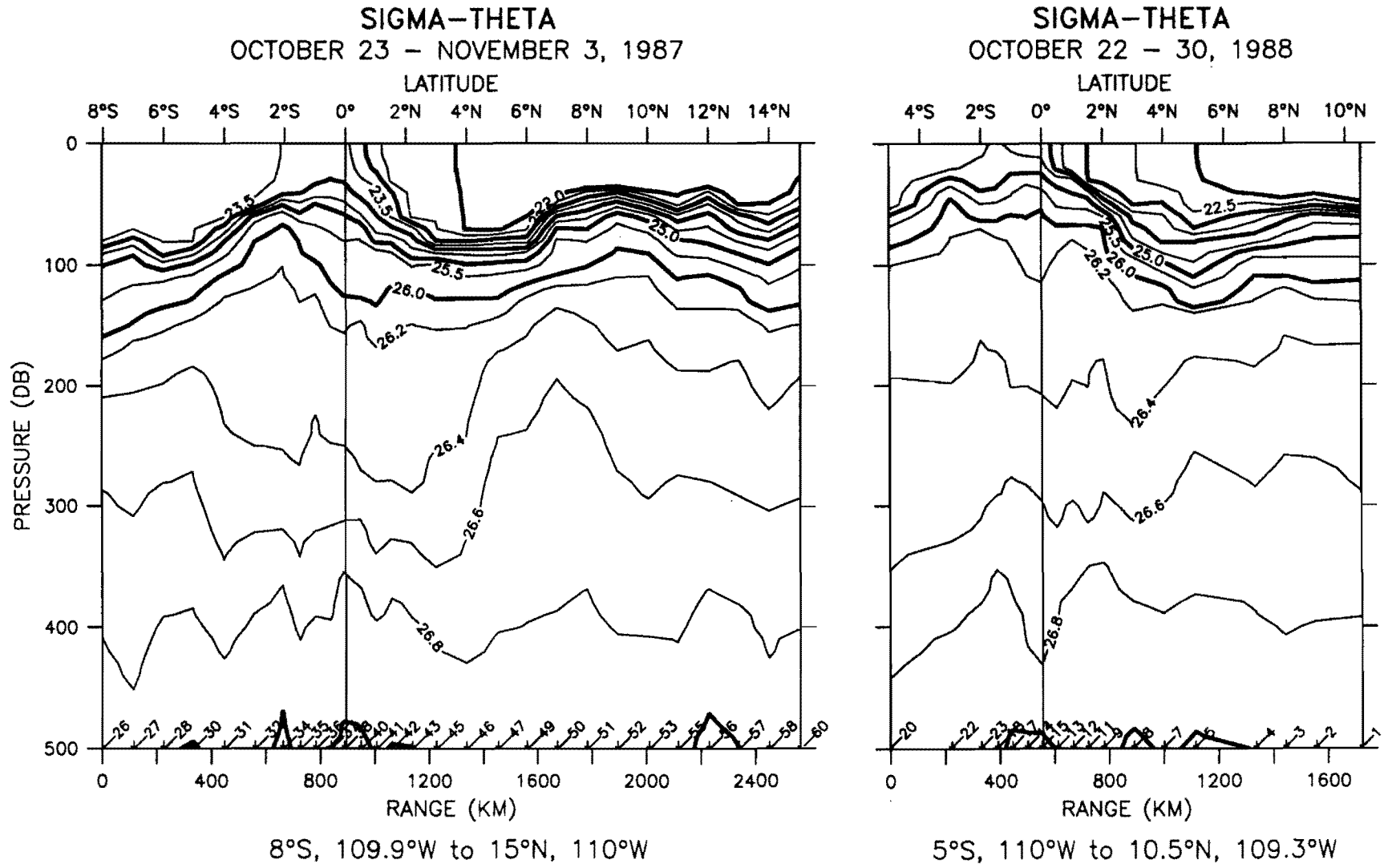


Fig. 27. EP2-87-OC and EP4-88-OC fall potential density (kg/m^3) sections along 110°W. Contour interval is 0.5 less than 26.0 and 0.2 greater than 26.0.

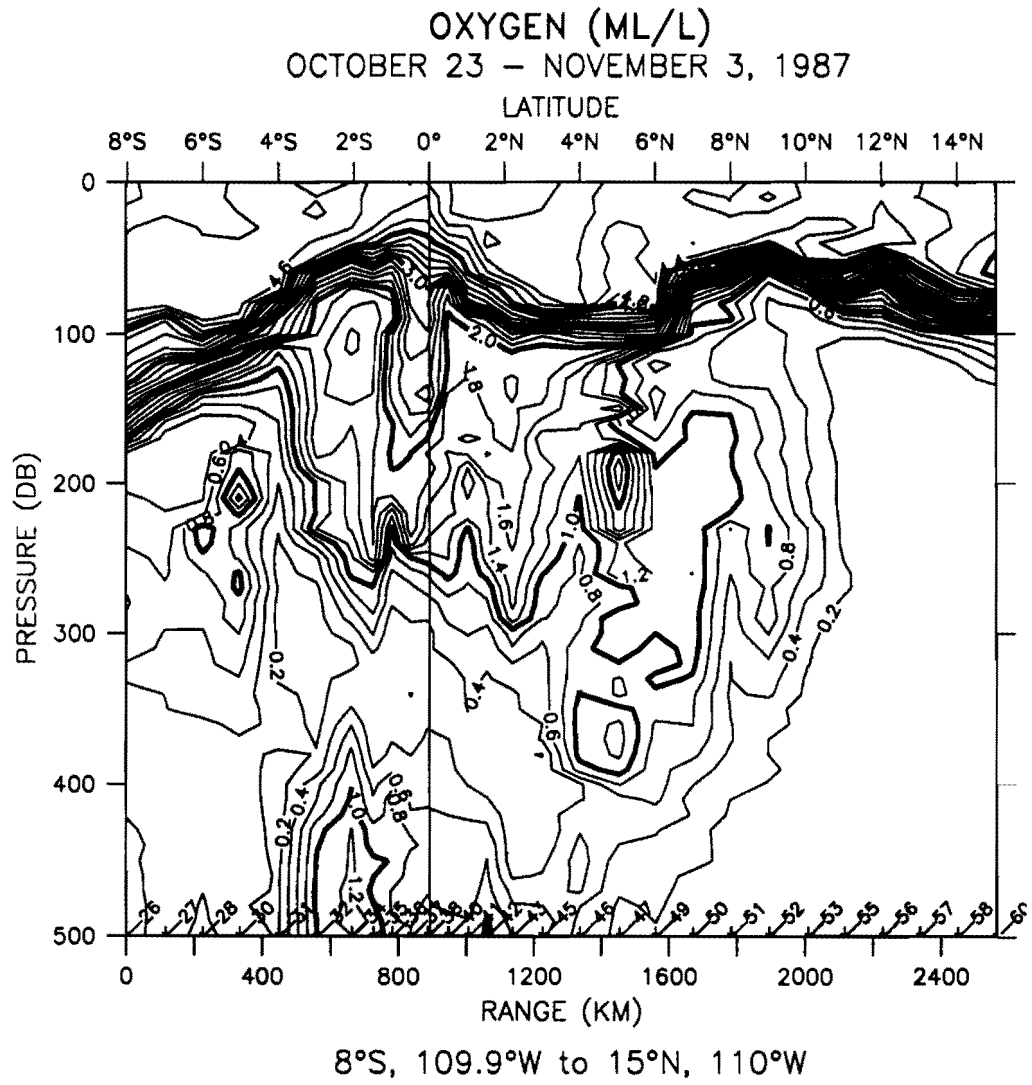


Fig. 28. EP2-87-OC fall oxygen (ml/l) section along 110°W. Contour interval is 0.2 ml/l. CTD oxygen data were not collected on EP4-88-OC.

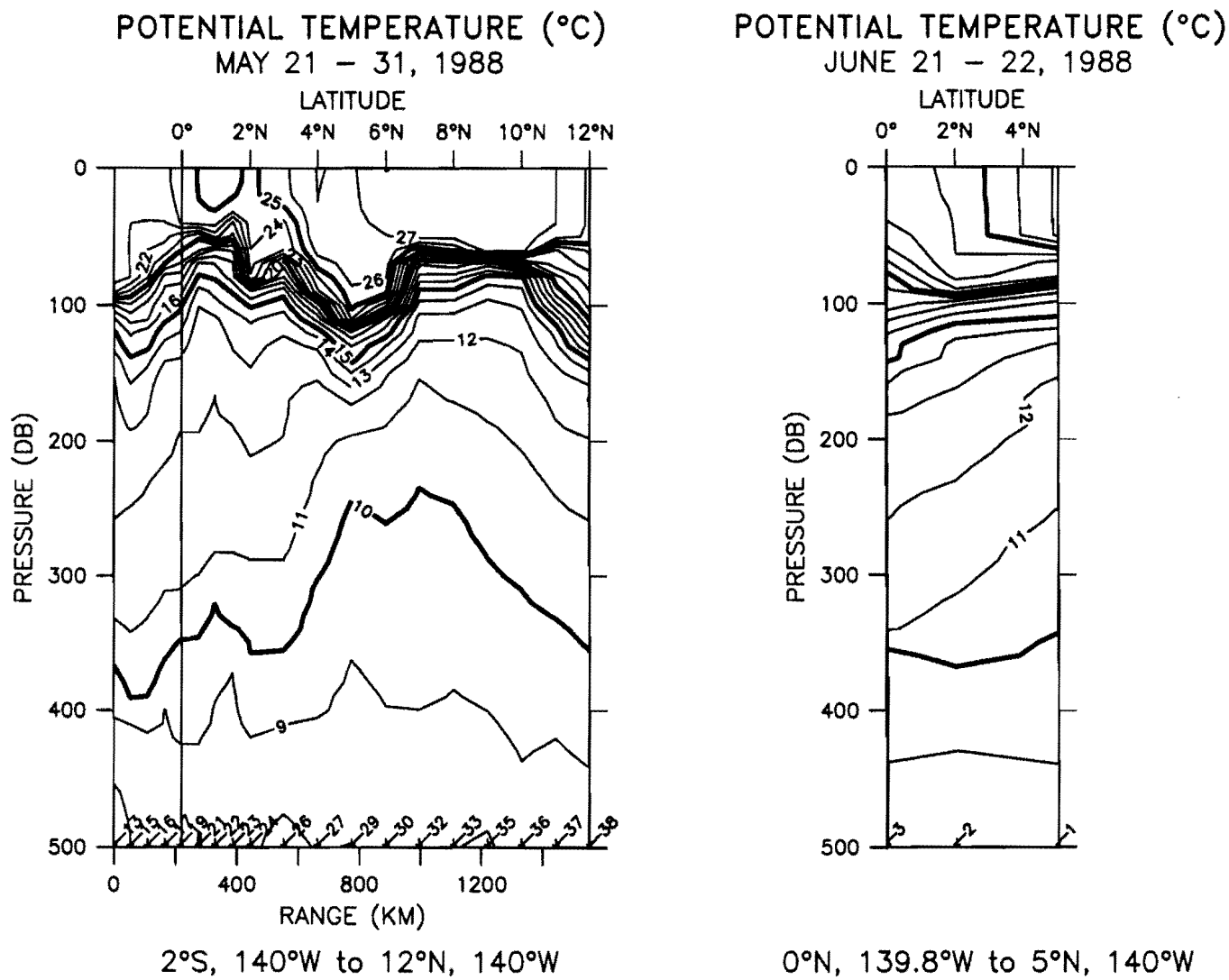


Fig. 29. EP1-88-OC spring and EP2-88-OC summer potential temperature (C) sections along 140°W. Contour interval is 1°C.

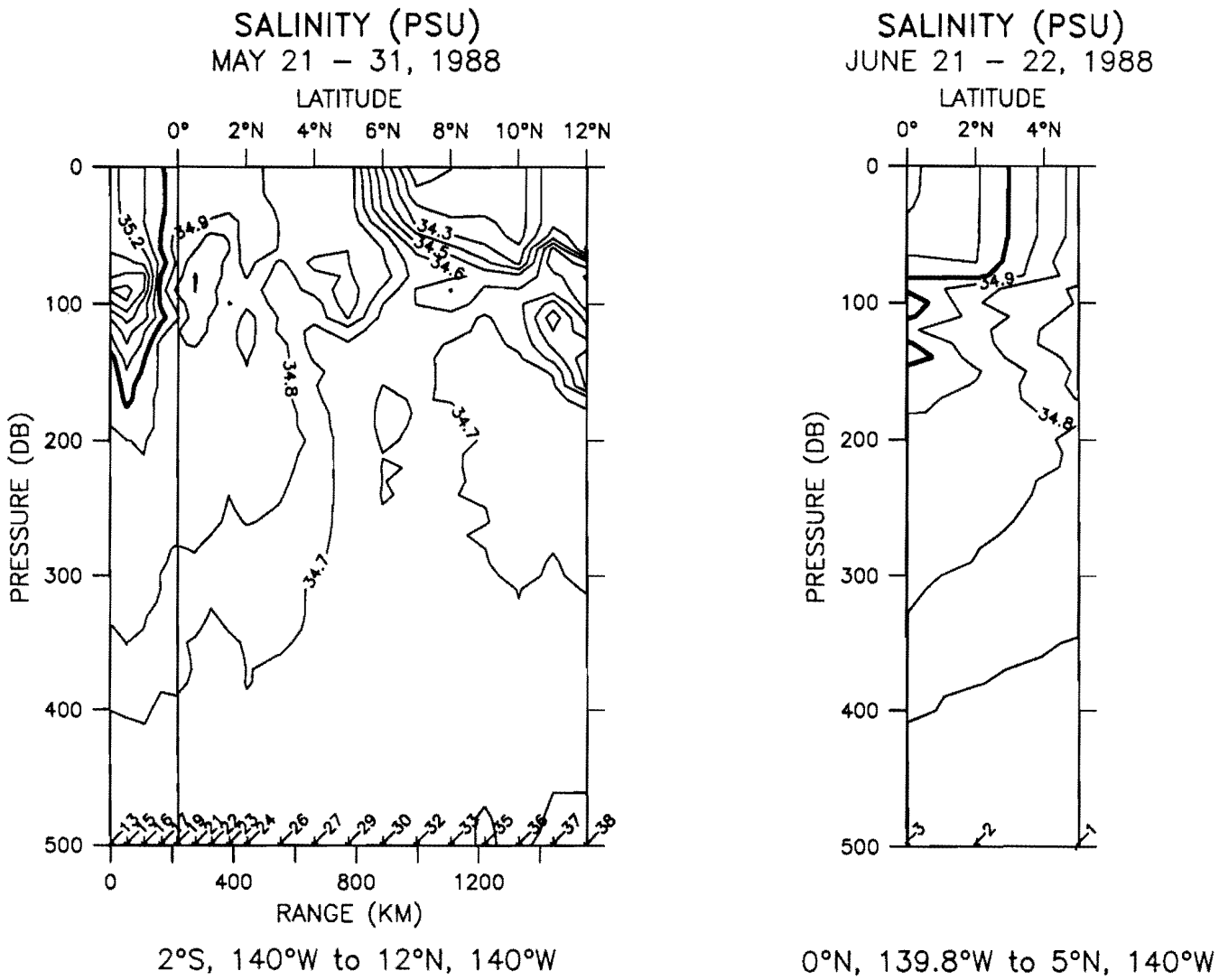


Fig. 30. EP1-88-OC spring and EP2-88-OC summer salinity (psu) sections along 140°W. Contour interval is 0.1 psu.

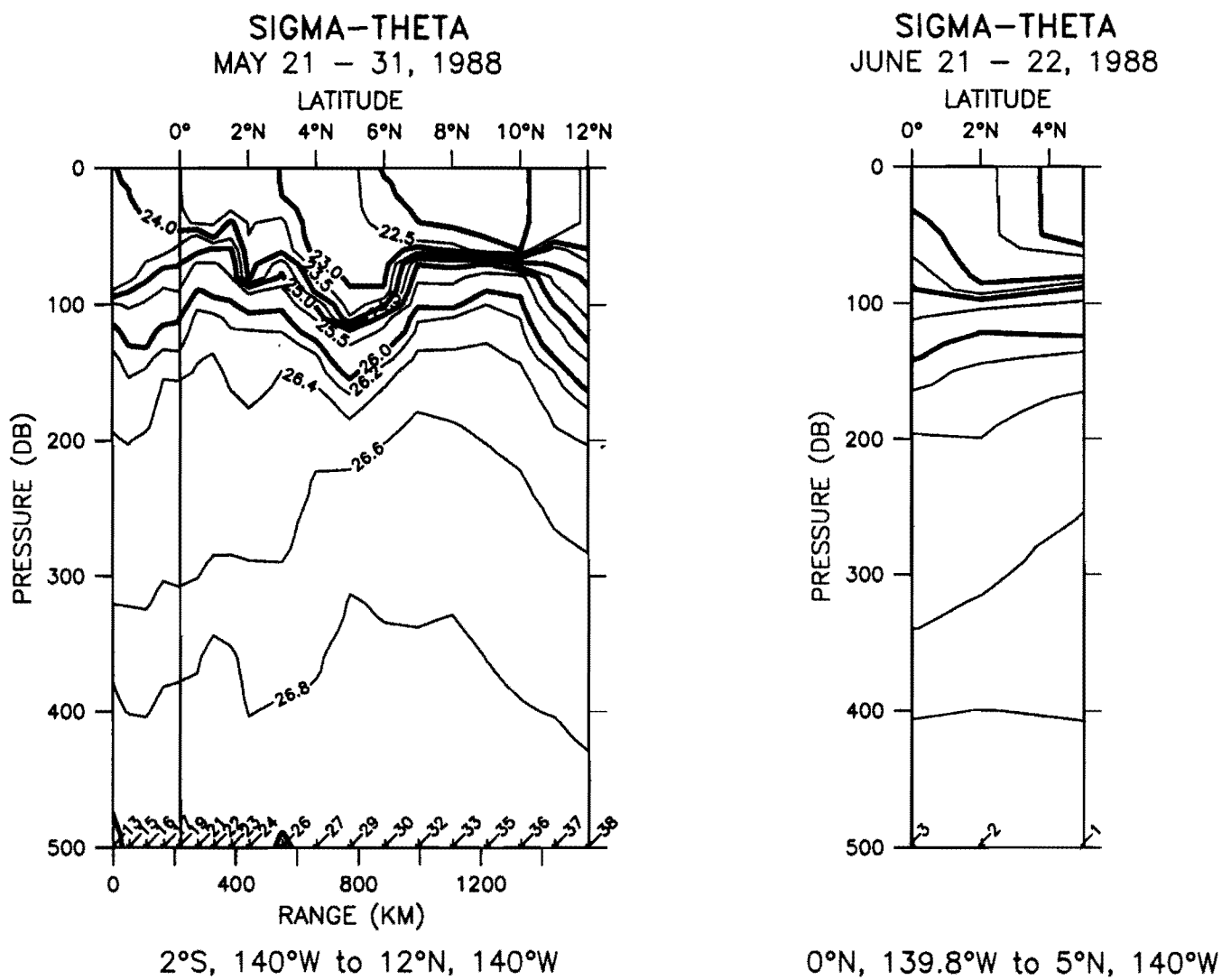


Fig. 31. EP1-88-OC spring and EP2-88-OC summer potential density (kg/m^3) sections along 140°W. Contour interval is 0.5 less than 26.0 and 0.2 greater than 26.0.

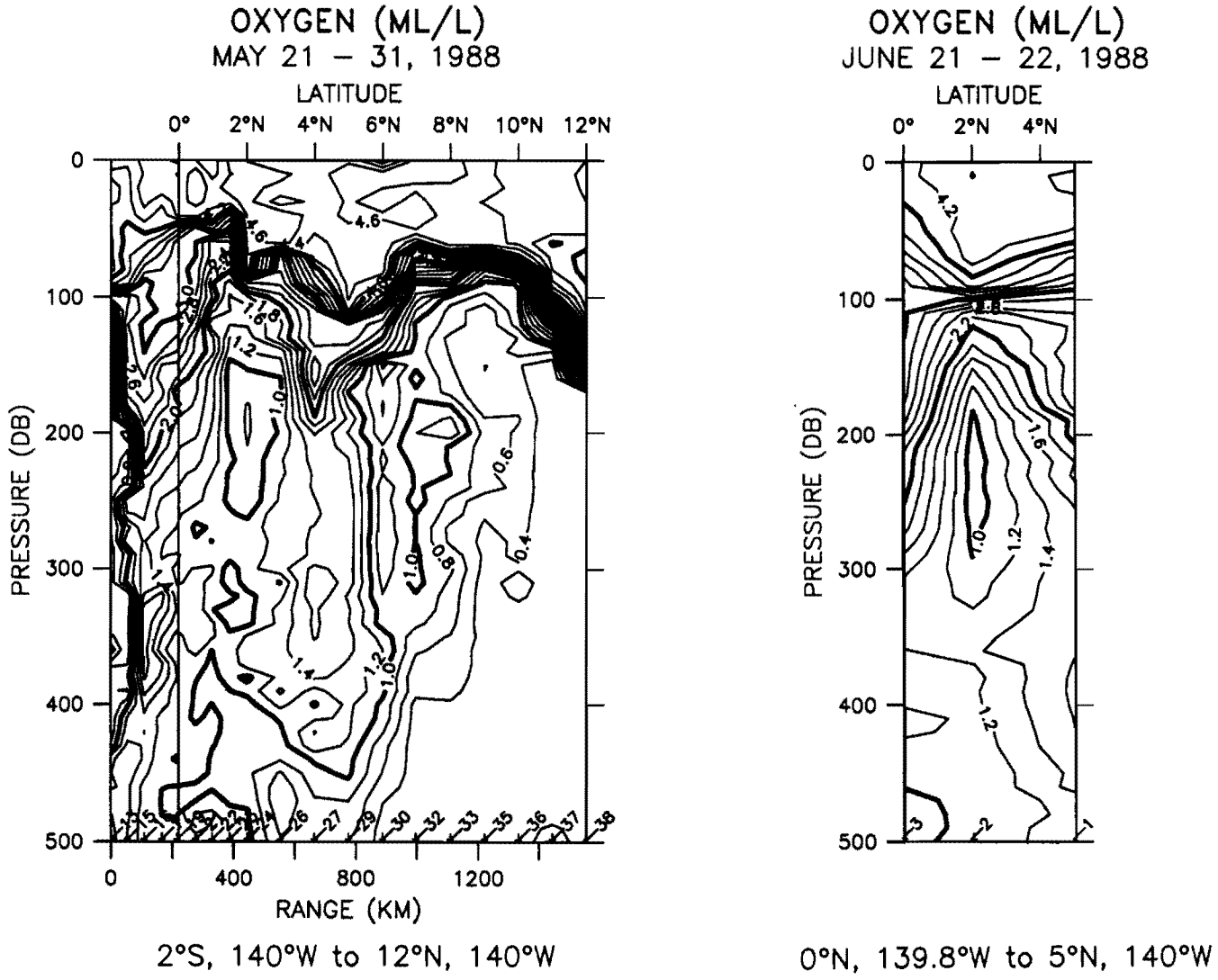


Fig. 32. EP1-88-OC spring and EP2-88-OC summer oxygen (ml/l) sections along 140°W. Contour interval is 0.2 ml/l.

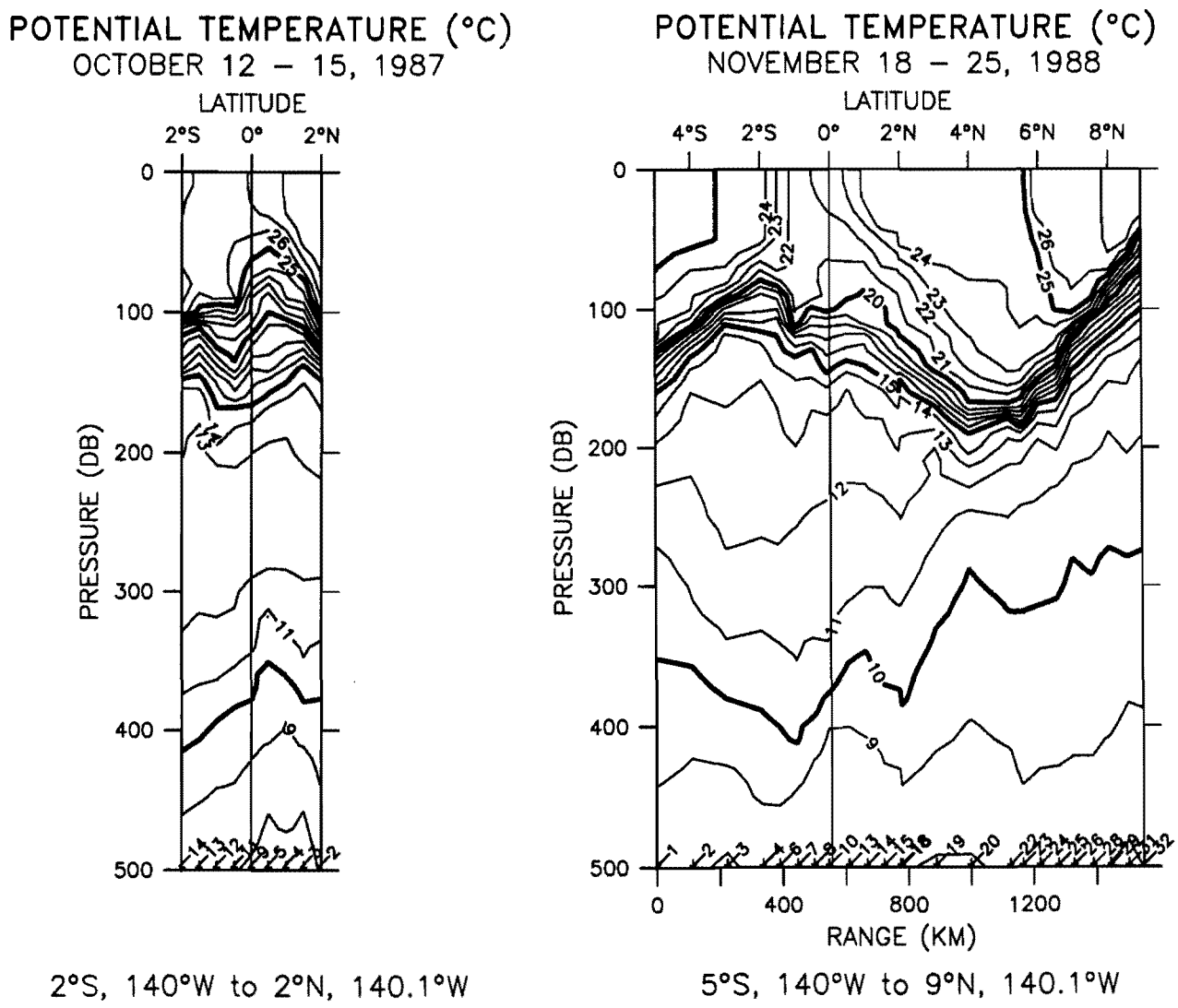


Fig. 33. EP2-87-OC and EP5-88-OC fall potential temperature (C) sections along 140°W. Contour interval is 1°C.

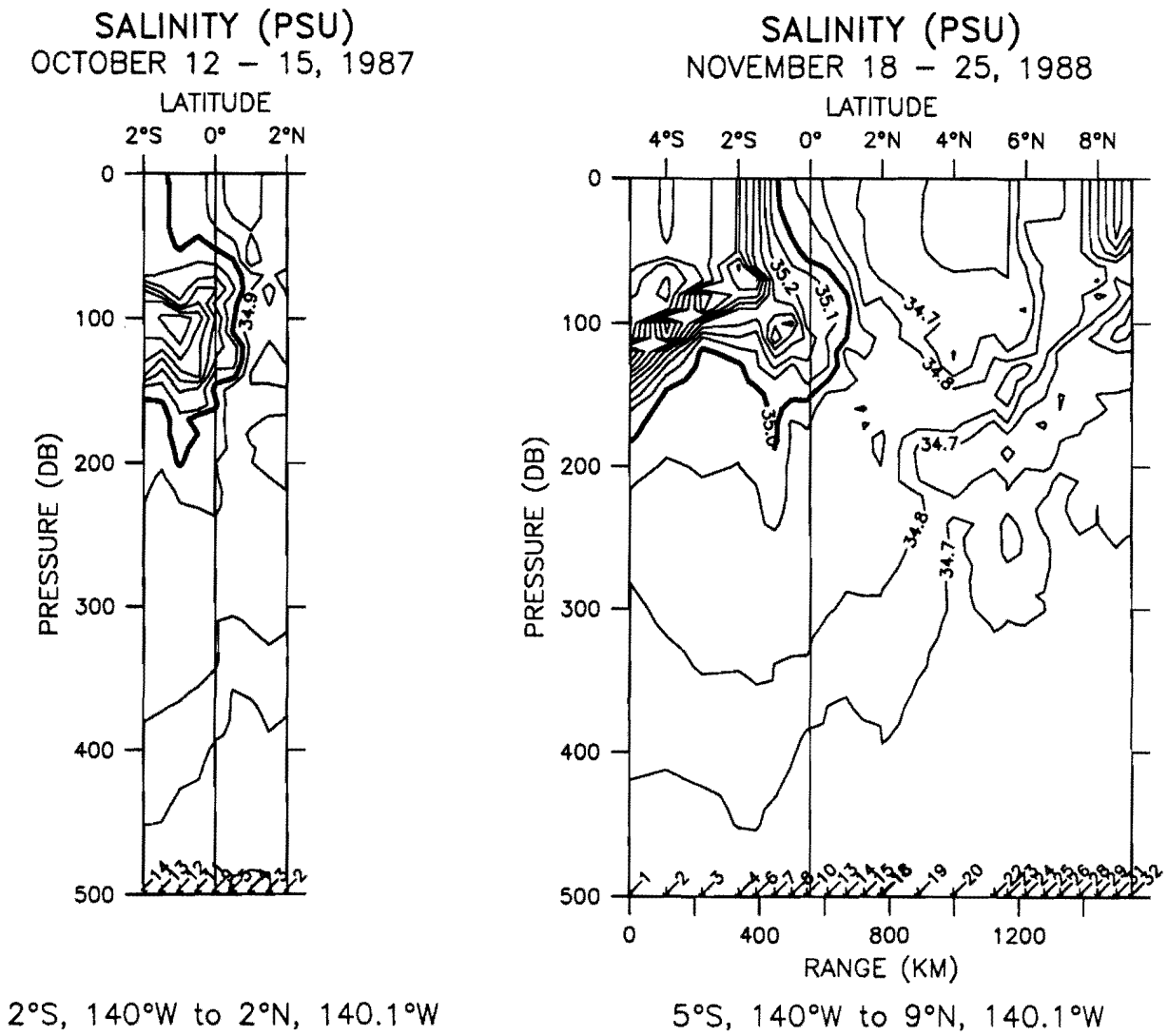


Fig. 34. EP2-87-OC and EP5-88-OC fall salinity (psu) sections along 140°W. Contour interval is 0.1 psu.

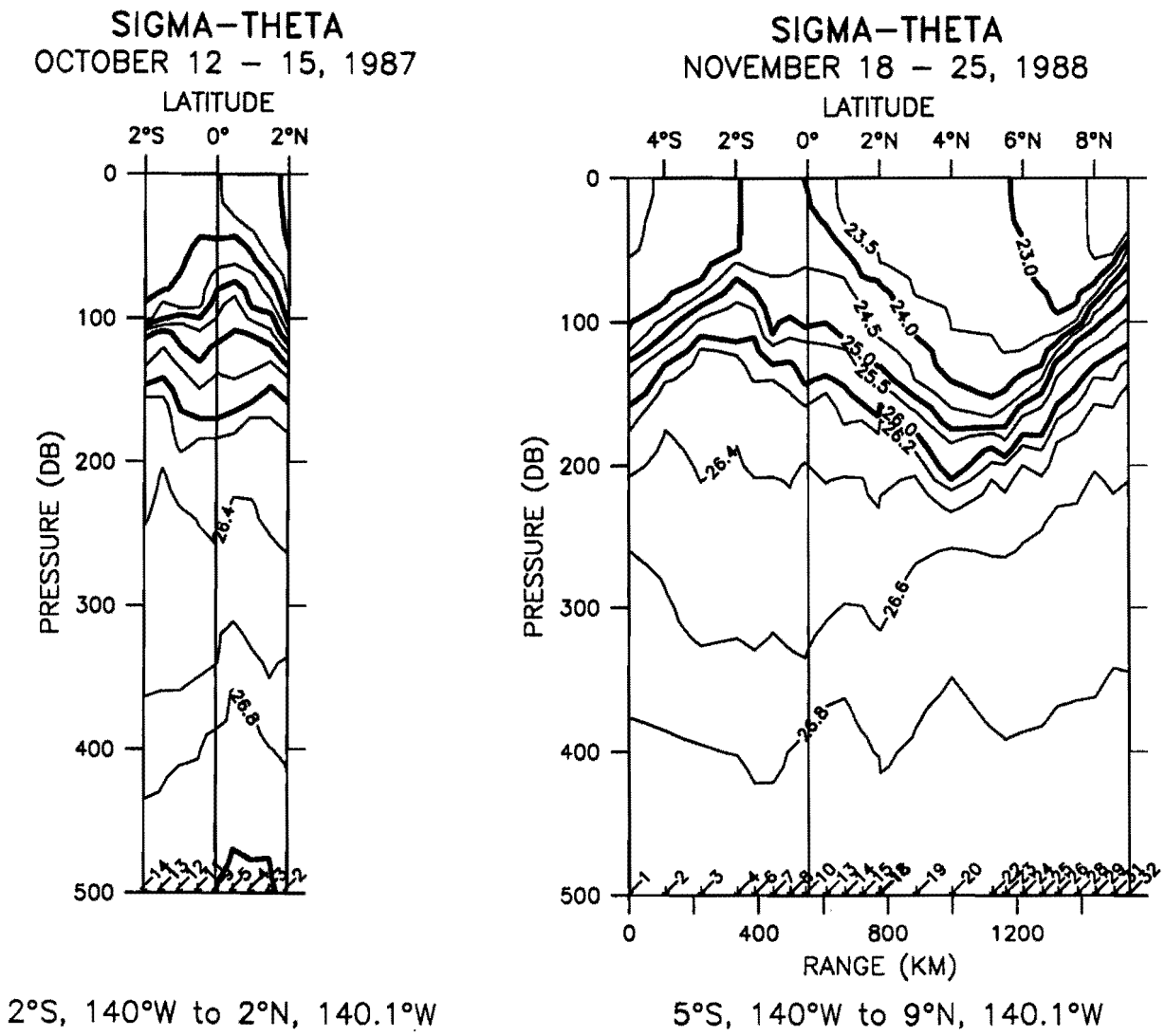


Fig. 35. EP2-87-OC and EP5-88-OC fall potential density (kg/m^3) sections along 140°W. Contour interval is 0.5 less than 26.0 and 0.2 greater than 26.0.

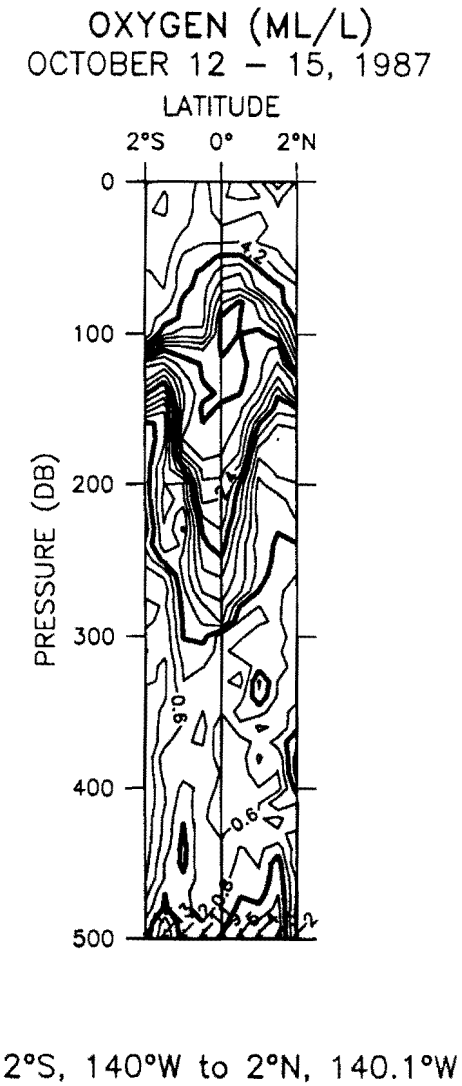


Fig. 36. EP2-87-OC fall oxygen (ml/l) section along 140°W. Contour interval is 0.2 ml/l. CTD oxygen data were not collected on EP5-88-OC.

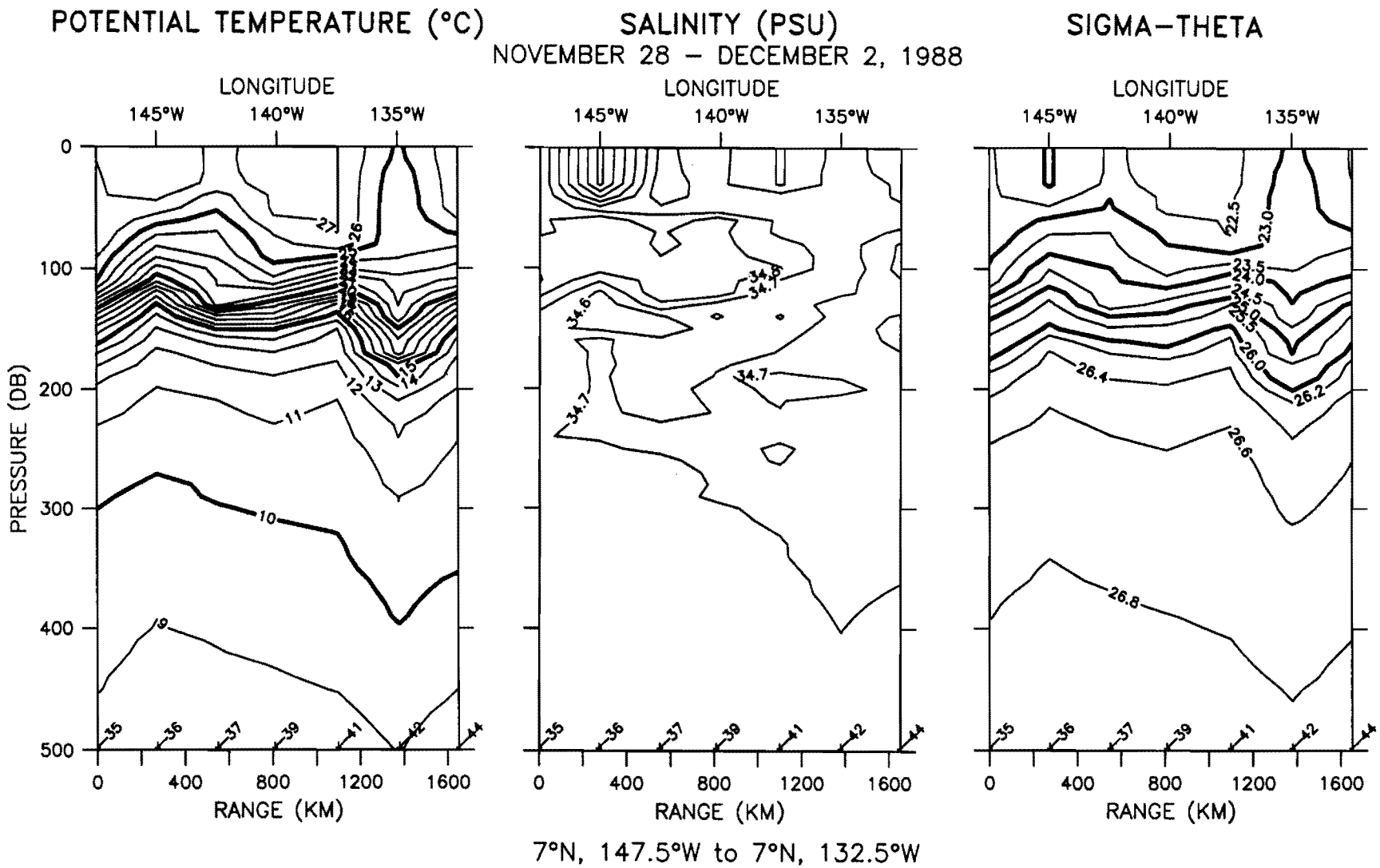


Fig. 37. EP5-88-OC fall potential temperature (C), salinity (psu), and potential density (kg/m^3) sections along 7°N. Contour intervals are 1°C, 0.1 psu, and 0.5 kg/m^3 less than 26.0 and 0.2 kg/m^3 greater than 26.0.

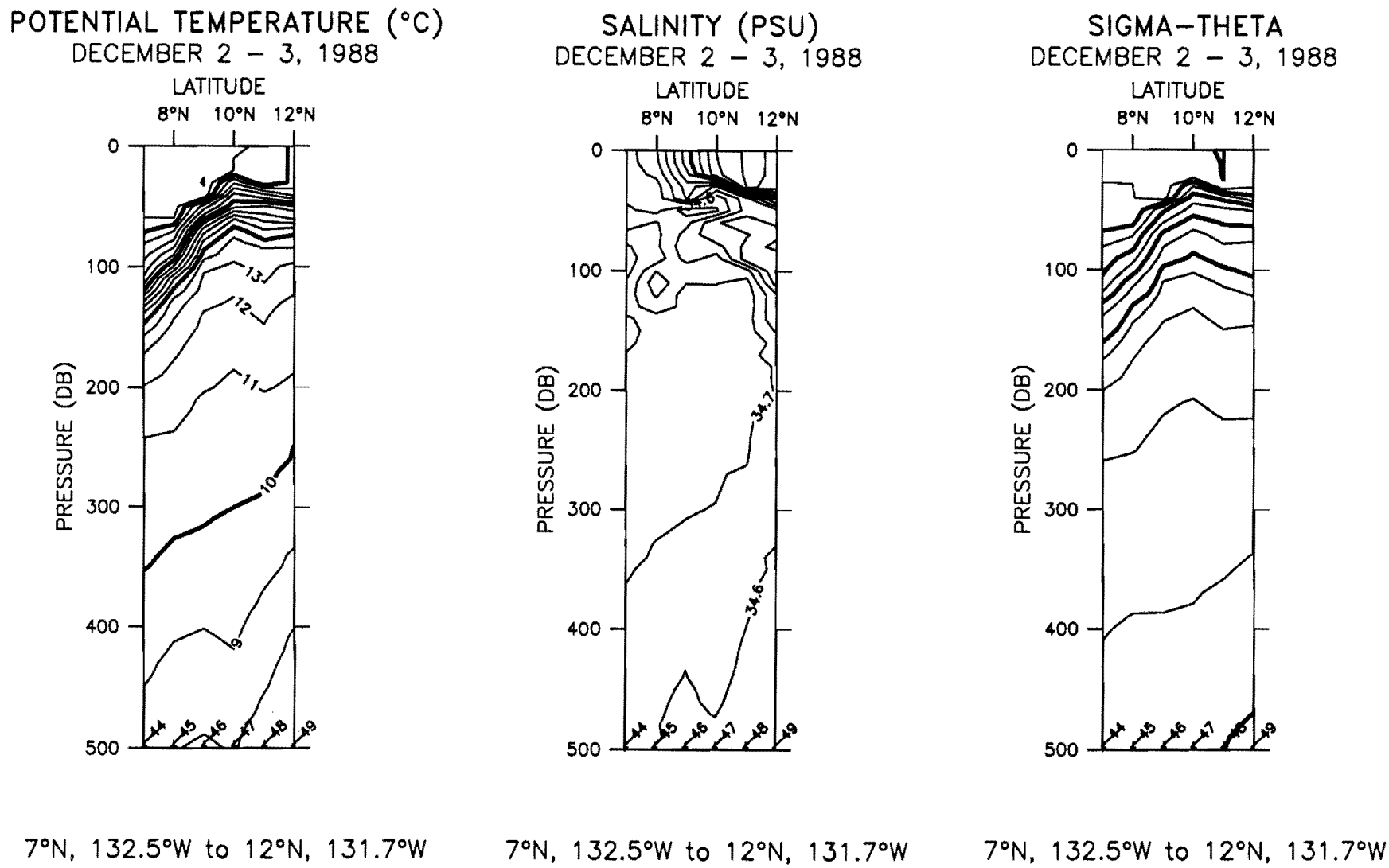


Fig. 38. EP5-88-OC fall potential temperature (C), salinity (psu), and potential density (kg/m^3) sections along 132°W. Contour intervals are 1°C, 0.1 psu, and 0.5 kg/m^3 less than 26.0 and 0.2 kg/m^3 greater than 26.0.

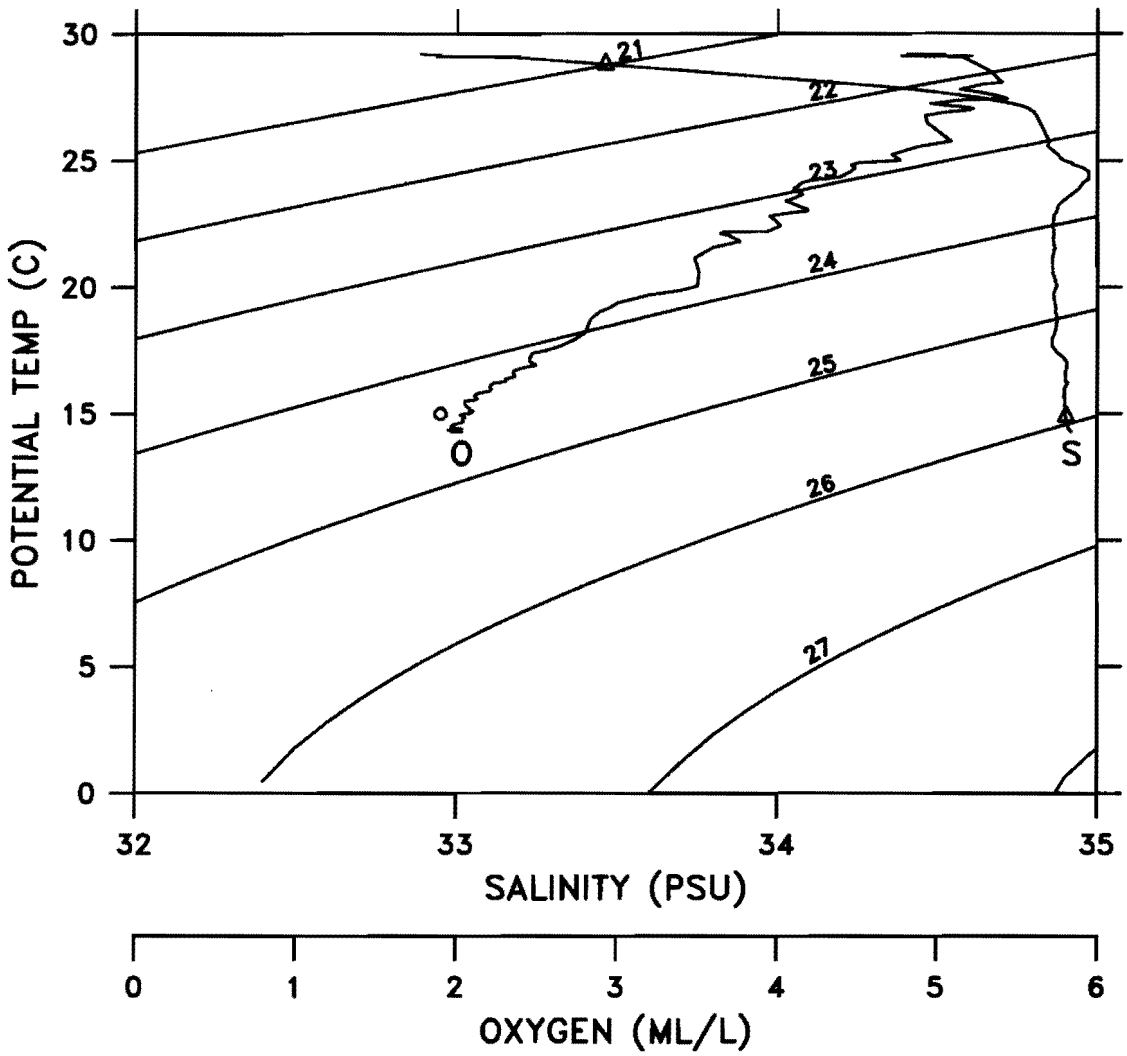
EP1-87-RS

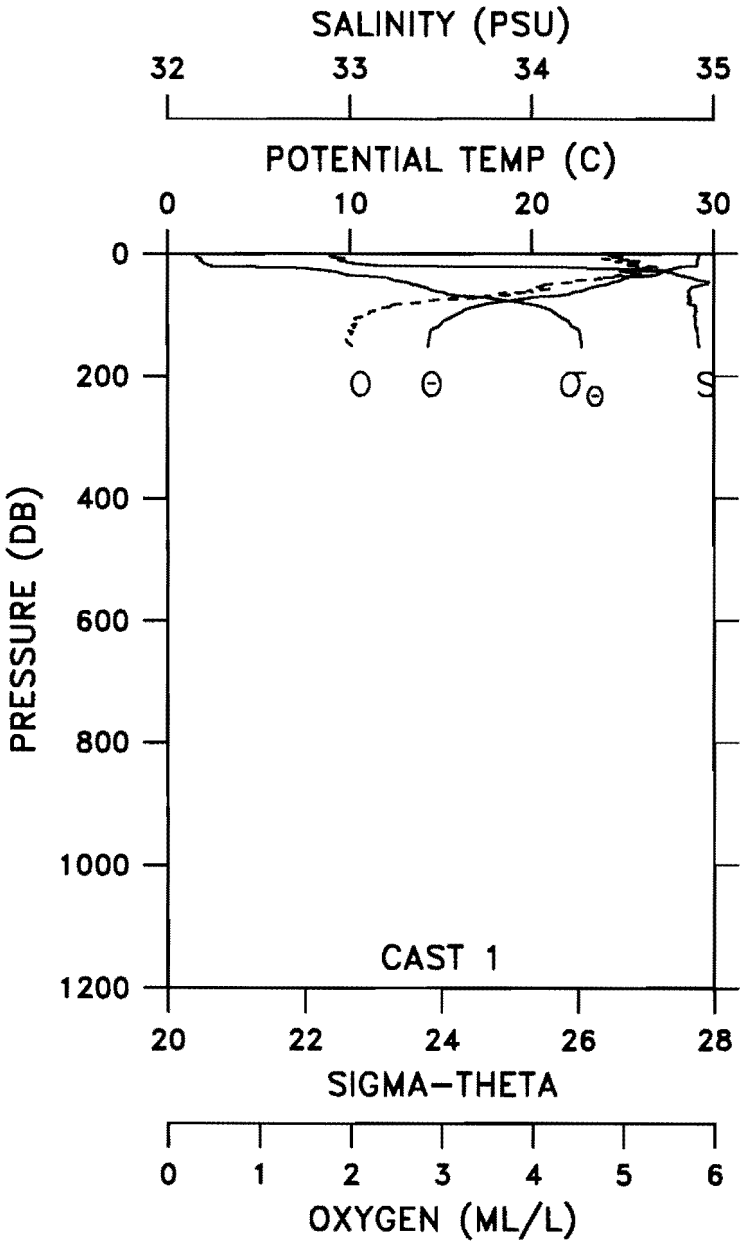
April 20–May 17, 1987

CTD/O_2 and Hydrographic Data Summary

CAST EP1-87-RS -001 DATE 25 APR 87 TIME 2033 GMT

LAT 00 54.5N LONG 105 34.5W



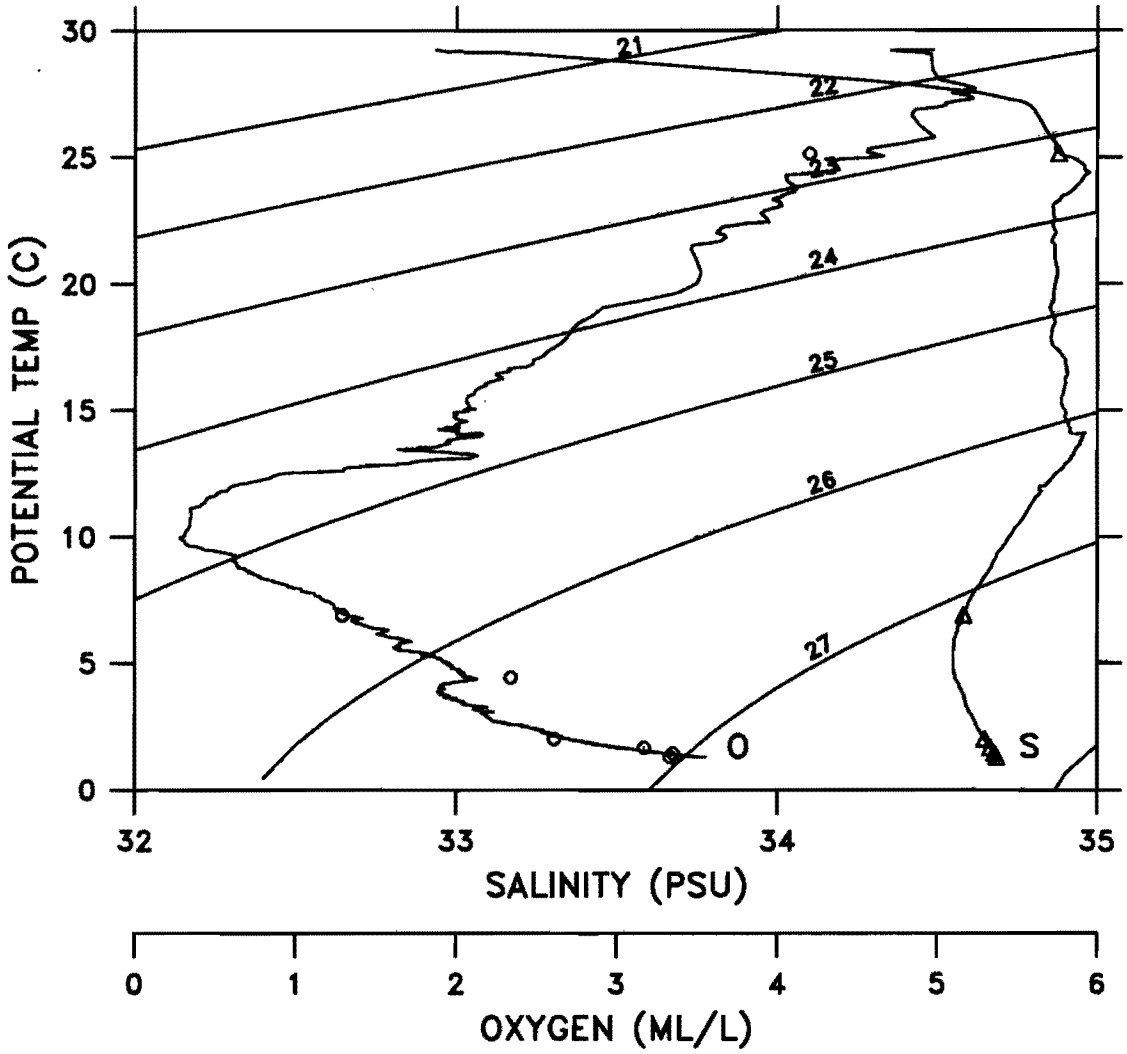


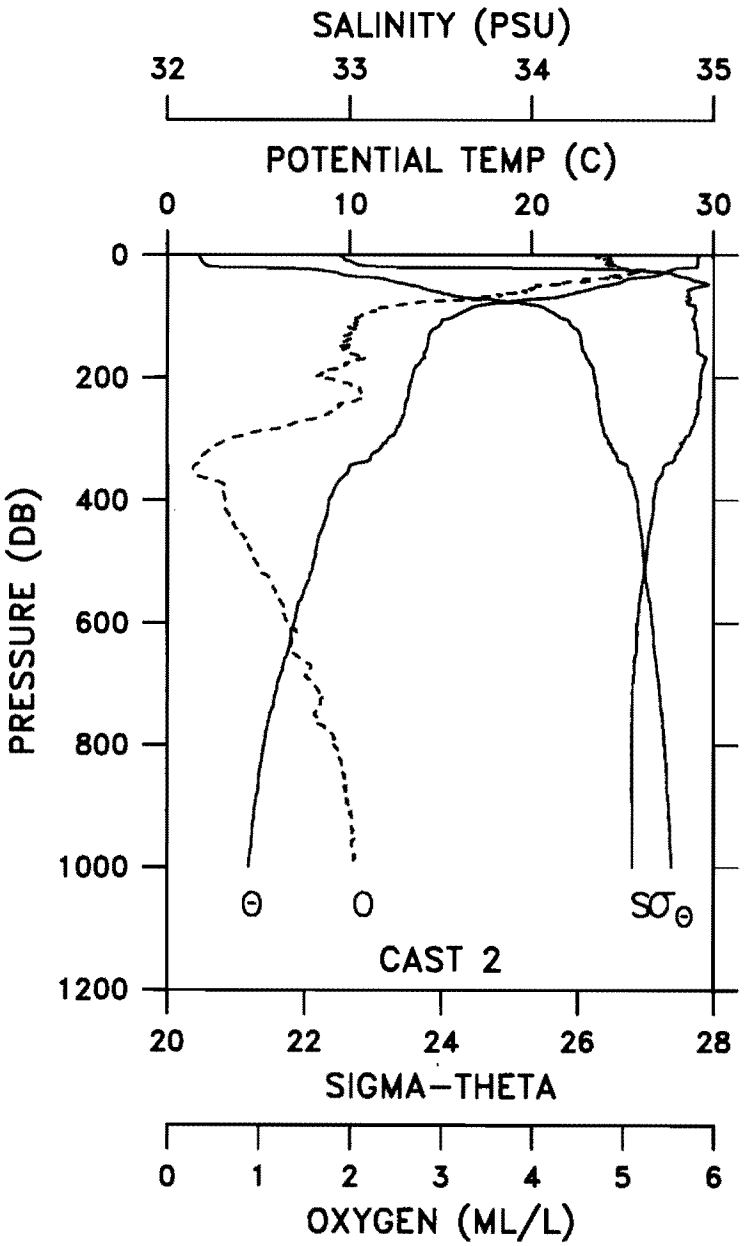
CAST EP1-87-RS -001 DATE 25 APR 87 TIME 2033 GMT
LAT 00 54.5N LONG 105 34.5W WEATHER 2 SEA STATE 2
BAROMETER 10 WIND DIR 267 T SPD 08 KT VISIBILITY 7
CLOUD 4 AMOUNT 8 DRY 26.0 WET 24.0 DEPTH 3521 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.205	32.887	4.94	20.412	0.000
10	29.134	32.945	5.00	20.480	0.073
20	29.077	33.190	5.16	20.683	0.145
30	27.167	34.760	5.07	22.486	0.204
40	25.106	34.884	4.75	23.223	0.254
50	24.139	34.957	4.16	23.569	0.299
60	22.824	34.865	3.95	23.883	0.341
70	20.610	34.861	3.51	24.495	0.379
80	17.929	34.859	2.73	25.182	0.410
90	16.469	34.902	2.36	25.565	0.436
100	15.833	34.899	2.15	25.709	0.460
110	15.119	34.901	2.10	25.870	0.482
120	14.781	34.903	2.04	25.946	0.503
130	14.382	34.911	2.01	26.038	0.524
140	14.335	34.915	1.96	26.051	0.544
150	14.288	34.919	2.02	26.064	0.563
152	14.284	34.920	2.03	26.066	0.567

CAST EP1-87-RS -002 DATE 25 APR 87 TIME 0033 GMT

LAT 00 54.4N LONG 105 34.1W



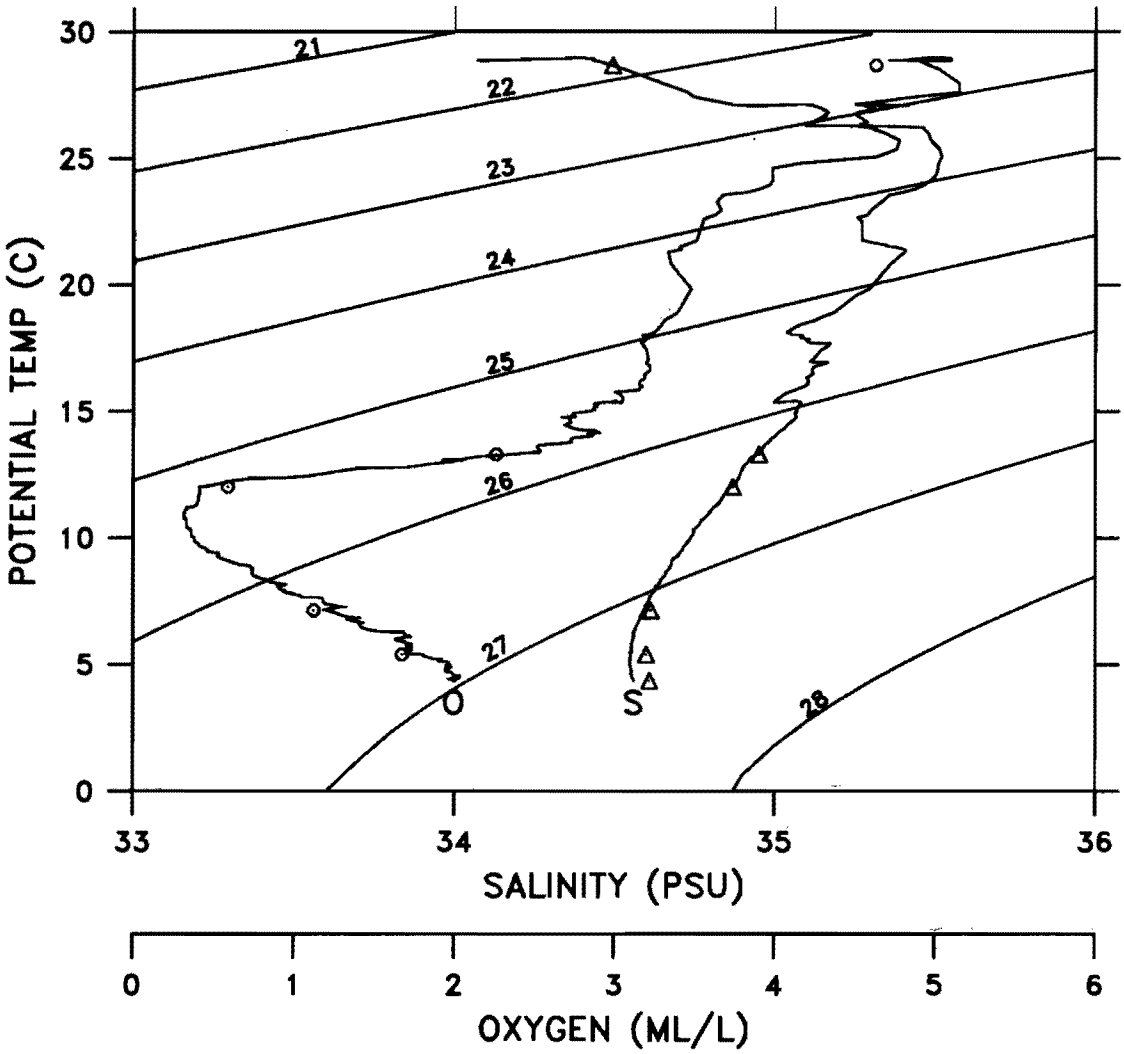


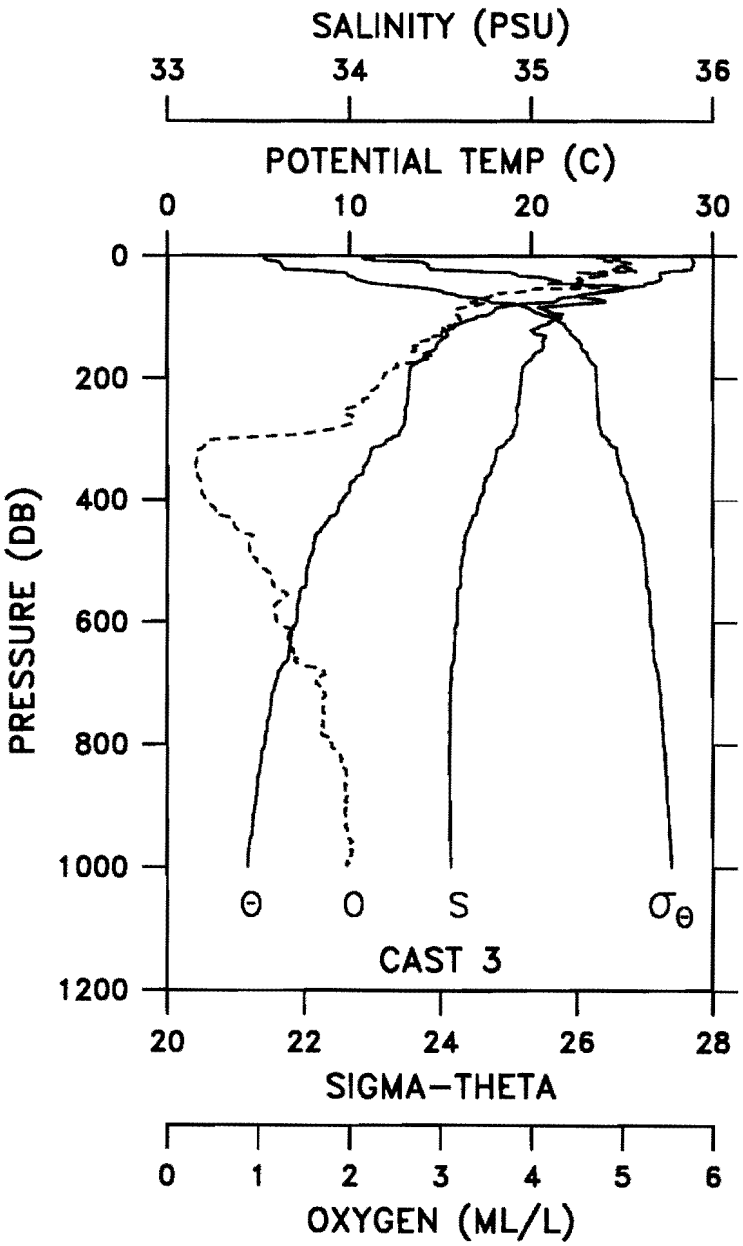
CAST EP1-87-RS -002 DATE 25 APR 87 TIME 0033 GMT
LAT 00 54.4N LONG 105 34.1W WEATHER 3 SEA STATE 2
BAROMETER 10 WIND DIR 350 T SPD 02 KT VISIBILITY 7
CLOUD X AMOUNT DRY 26.0 WET 24.5 DEPTH 3584 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.225	32.936	4.97	20.443	0.000
10	29.174	32.996	4.86	20.505	0.073
20	29.034	33.255	4.96	20.746	0.145
30	27.172	34.766	5.09	22.489	0.202
40	25.199	34.879	4.56	23.191	0.253
50	24.027	34.950	4.06	23.597	0.298
60	22.565	34.866	3.93	23.958	0.340
70	20.966	34.868	3.49	24.404	0.378
80	17.538	34.861	2.62	25.280	0.408
90	16.416	34.906	2.25	25.580	0.434
100	15.725	34.895	2.11	25.730	0.457
110	15.029	34.898	2.06	25.888	0.479
120	14.621	34.905	2.02	25.982	0.500
130	14.356	34.911	1.99	26.044	0.521
140	14.303	34.914	1.98	26.057	0.540
150	14.245	34.917	1.93	26.071	0.560
160	14.069	34.922	2.00	26.113	0.580
170	13.966	34.952	2.14	26.157	0.599
180	13.683	34.947	1.95	26.213	0.618
190	13.506	34.936	1.77	26.241	0.636
200	13.428	34.932	1.68	26.254	0.654
250	13.030	34.914	1.85	26.321	0.744
300	12.097	34.844	0.67	26.450	0.830
350	9.936	34.723	0.28	26.747	0.906
400	8.844	34.670	0.64	26.885	0.971
450	8.420	34.649	0.77	26.935	1.033
500	8.021	34.628	0.97	26.979	1.091
550	7.464	34.601	1.18	27.039	1.148
600	6.933	34.581	1.33	27.098	1.202
650	6.566	34.572	1.38	27.141	1.254
700	6.011	34.556	1.59	27.201	1.303
750	5.596	34.551	1.62	27.248	1.350
800	5.290	34.548	1.83	27.283	1.395
900	4.786	34.551	1.97	27.344	1.481
1000	4.453	34.555	2.07	27.384	1.562
1500	2.696	34.619	2.28	27.608	1.898
2000	2.038	34.647	2.67	27.686	2.170
2500	1.679	34.667	3.01	27.729	2.411
3000	1.454	34.677	3.32	27.754	2.640
3447	1.304	34.686	3.55	27.772	2.841

CAST EP1-87-RS -003 DATE 26 APR 87 TIME 2038 GMT

LAT 00 01.7N LONG 107 52.0W



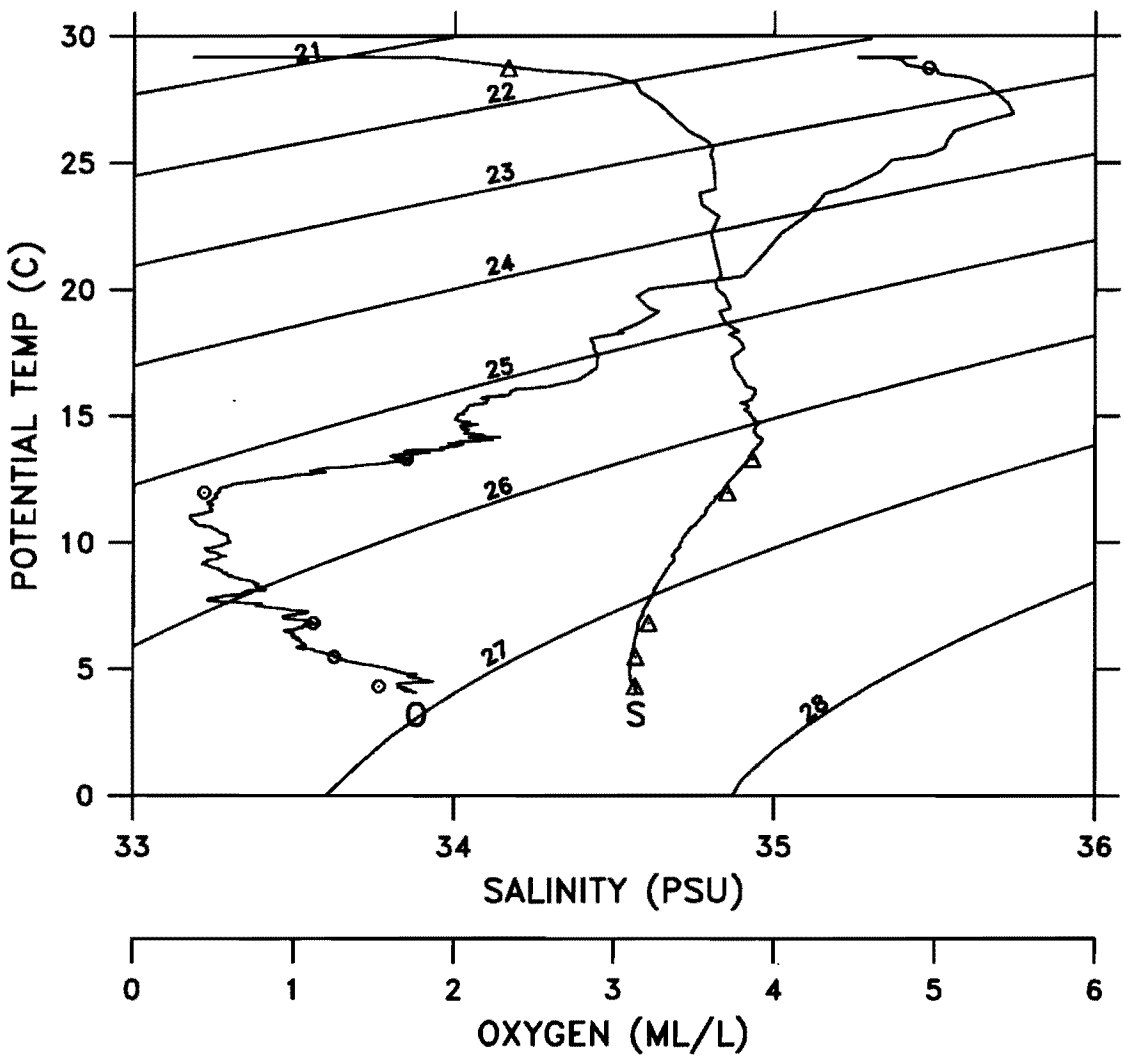


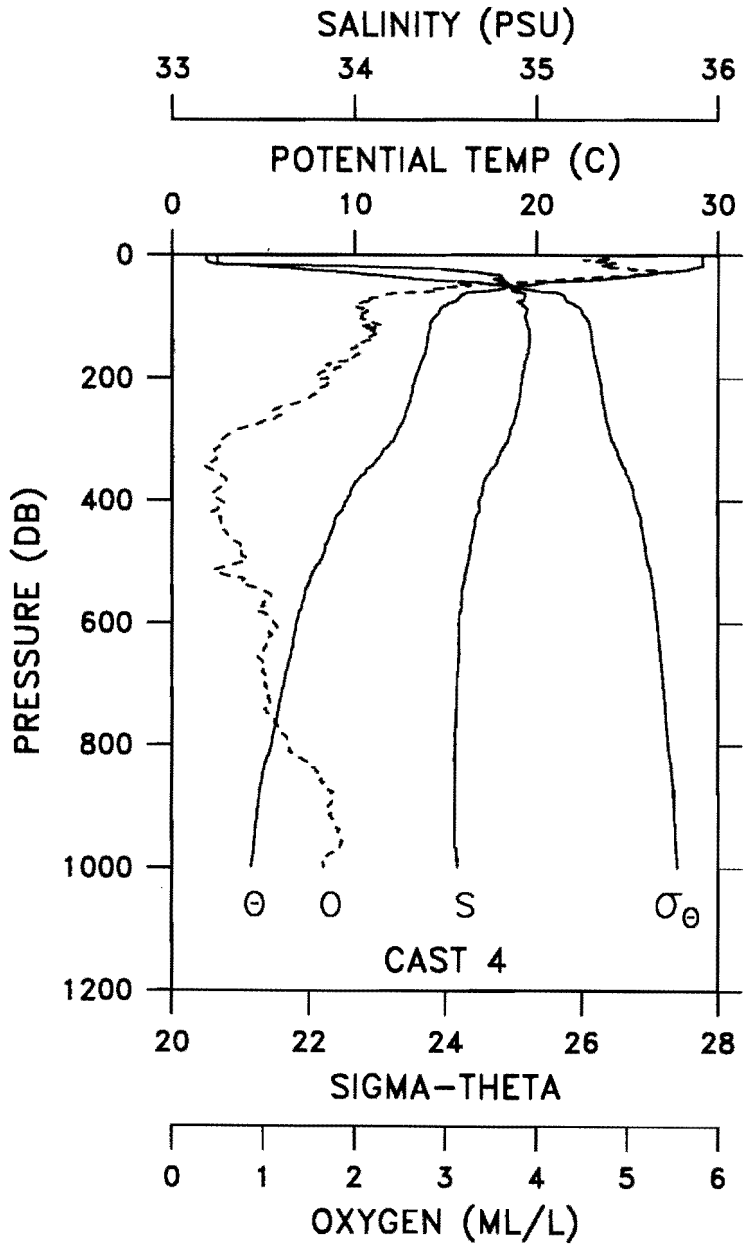
CAST EP1-87-RS -003 DATE 26 APR 87 TIME 2038 GMT
LAT 00 01.7N LONG 107 52.0W WEATHER 2 SEA STATE 3
BAROMETER 12 WIND DIR 215 T SPD 09 KT VISIBILITY 7
CLOUD 8 AMOUNT 7 DRY 27.8 WET 25.8 DEPTH 3724 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.864	34.070	4.71	21.414	0.000
10	28.967	34.403	5.01	21.629	0.063
20	28.840	34.444	5.10	21.702	0.125
30	27.074	34.918	4.81	22.634	0.181
40	26.981	35.142	4.61	22.833	0.232
50	25.706	35.485	4.78	23.493	0.280
60	23.544	35.357	3.68	24.048	0.321
70	21.515	35.355	3.41	24.624	0.357
80	18.925	35.185	3.39	25.183	0.388
90	17.892	35.093	3.20	25.371	0.415
100	16.968	35.156	3.20	25.642	0.441
110	16.057	35.101	3.16	25.813	0.464
120	15.471	35.005	3.06	25.872	0.486
130	15.383	35.078	3.01	25.948	0.507
140	14.934	35.061	2.76	26.035	0.527
150	14.767	35.066	2.71	26.074	0.547
160	14.221	35.018	2.88	26.155	0.566
170	13.955	34.993	2.75	26.192	0.585
180	13.409	34.957	2.53	26.277	0.604
190	13.317	34.947	2.41	26.289	0.621
200	13.292	34.945	2.37	26.292	0.639
250	13.071	34.920	1.96	26.317	0.728
300	12.147	34.879	0.54	26.468	0.815
350	10.779	34.781	0.32	26.645	0.892
400	9.626	34.715	0.43	26.793	0.962
450	8.407	34.651	0.79	26.938	1.025
500	7.777	34.619	0.98	27.008	1.083
550	7.290	34.596	1.27	27.060	1.139
600	7.112	34.592	1.21	27.082	1.193
650	6.675	34.576	1.39	27.129	1.245
700	5.954	34.557	1.63	27.209	1.294
750	5.657	34.554	1.73	27.243	1.341
800	5.380	34.551	1.81	27.275	1.386
900	4.828	34.553	1.96	27.340	1.472
1000	4.429	34.559	1.97	27.390	1.552
1021	4.350	34.561	1.99	27.400	1.569

CAST EP1-87-RS -004 DATE 27 APR 87 TIME 1634 GMT

LAT 02 12.8N LONG 110 18.1W



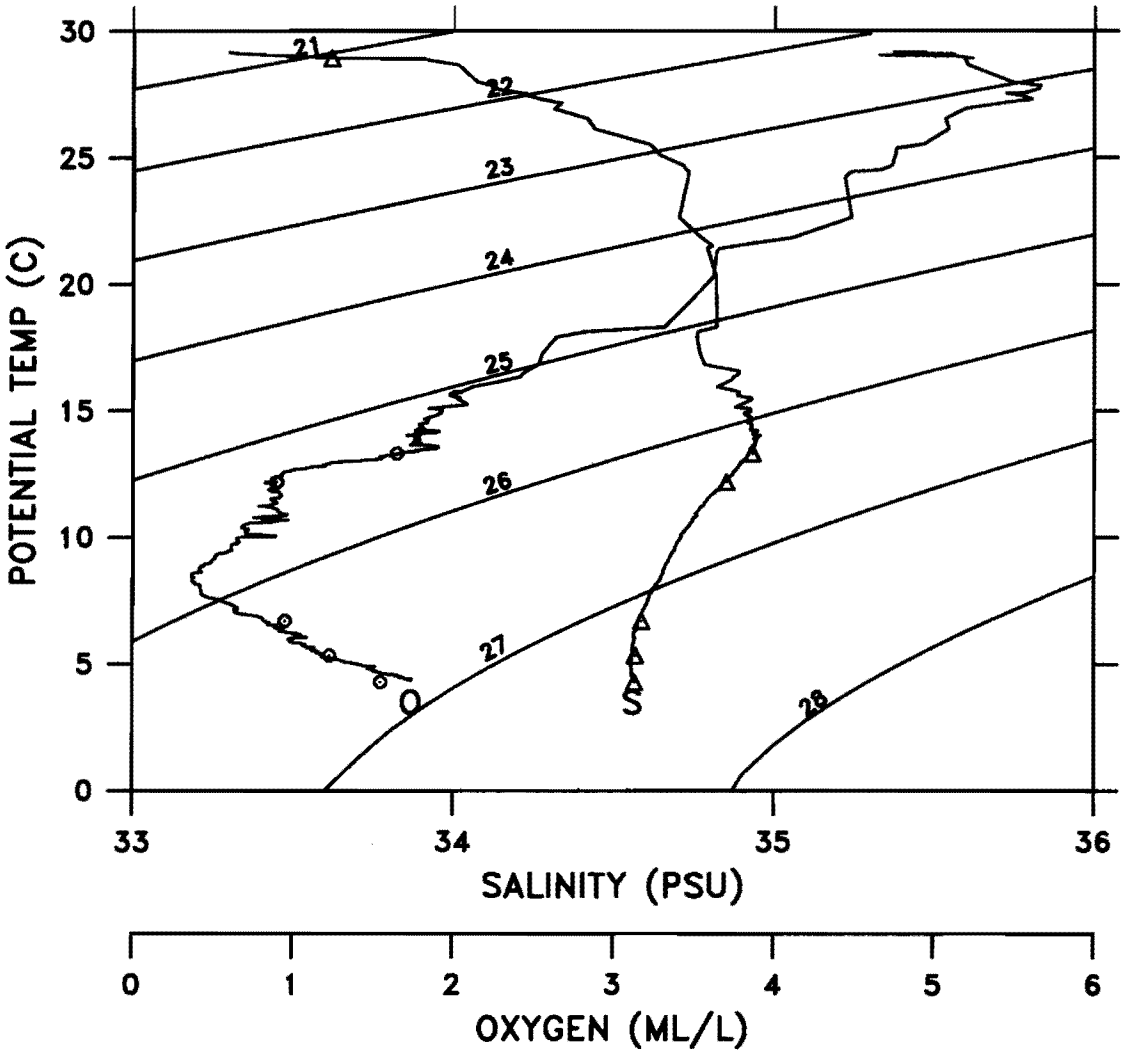


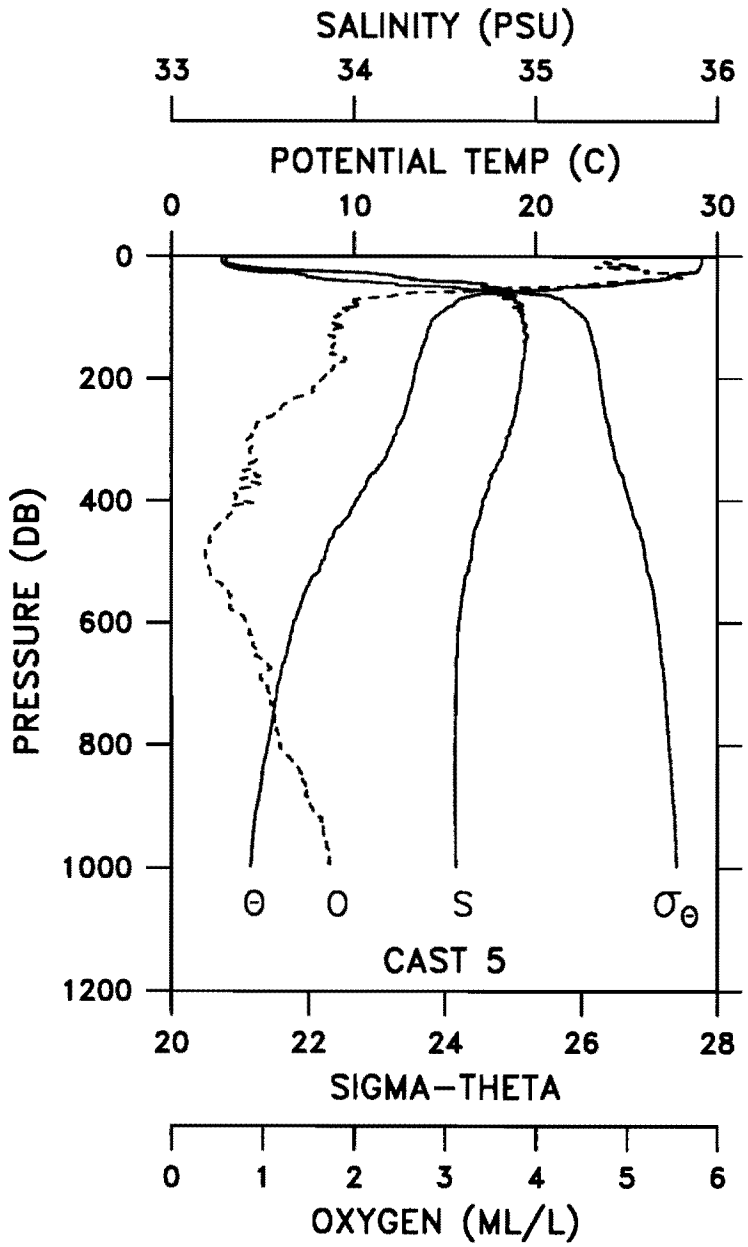
CAST EP1-87-RS -004 DATE 27 APR 87 TIME 1634 GMT
LAT 02 12.8N LONG 110 18.1W WEATHER 6 SEA STATE 3
BAROMETER 12 WIND DIR 185 T SPD 05 KT VISIBILITY 7
CLOUD 8 AMOUNT 4 DRY 27.6 WET 25.4 DEPTH 3789 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.154	33.186	4.80	20.654	0.000
10	29.145	33.188	4.62	20.658	0.071
20	28.854	34.138	4.82	21.468	0.140
30	26.432	34.716	5.21	22.686	0.198
40	23.347	34.772	4.26	23.662	0.245
50	19.142	34.828	3.28	24.854	0.280
60	16.422	34.901	2.78	25.575	0.308
70	15.746	34.932	2.18	25.754	0.331
80	15.102	34.922	2.05	25.890	0.353
90	14.677	34.949	2.14	26.004	0.373
100	14.419	34.935	2.08	26.049	0.393
110	14.180	34.950	2.21	26.111	0.413
120	14.149	34.957	2.22	26.123	0.432
130	14.061	34.962	2.20	26.145	0.451
140	14.009	34.962	2.11	26.156	0.470
150	13.955	34.956	2.03	26.163	0.489
160	13.899	34.956	2.05	26.175	0.508
170	13.726	34.943	1.92	26.201	0.526
180	13.588	34.934	1.73	26.223	0.545
190	13.461	34.927	1.63	26.244	0.563
200	13.342	34.921	1.71	26.263	0.581
250	12.890	34.892	1.15	26.332	0.670
300	12.167	34.844	0.55	26.437	0.756
350	10.649	34.747	0.44	26.642	0.834
400	9.567	34.685	0.53	26.779	0.904
450	8.754	34.655	0.58	26.887	0.969
500	8.113	34.625	0.82	26.963	1.029
550	7.294	34.590	1.05	27.055	1.086
600	6.817	34.575	1.11	27.110	1.139
650	6.529	34.575	0.95	27.148	1.190
700	6.149	34.566	1.02	27.191	1.240
750	5.786	34.560	1.07	27.232	1.287
800	5.456	34.554	1.27	27.268	1.333
900	4.719	34.551	1.71	27.351	1.418
1000	4.327	34.566	1.66	27.406	1.498
1059	4.065	34.572	1.76	27.439	1.542

CAST EP1-87-RS -005 DATE 27 APR 87 TIME 2154 GMT

LAT 03 00.7N LONG 109 59.6W



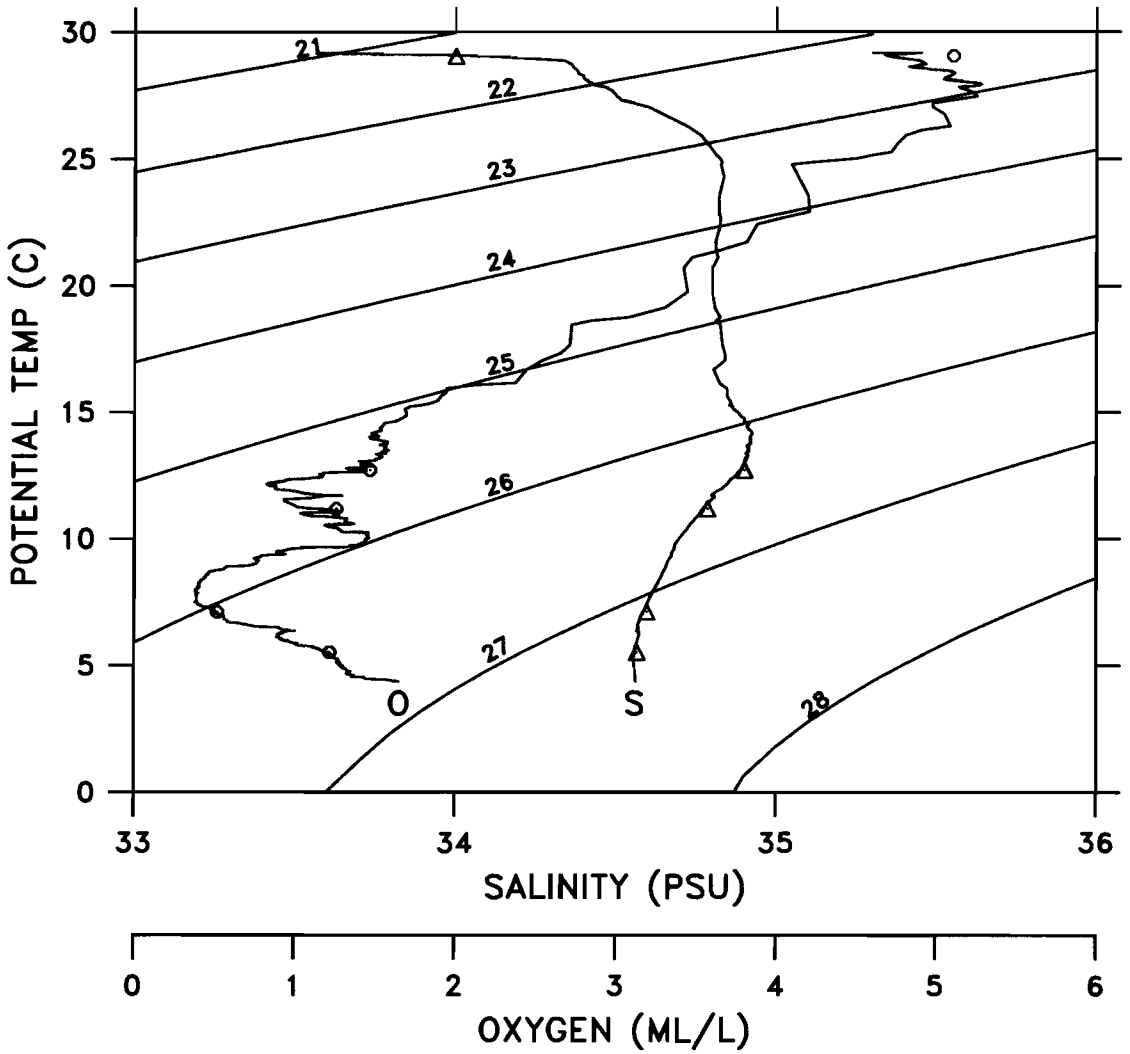


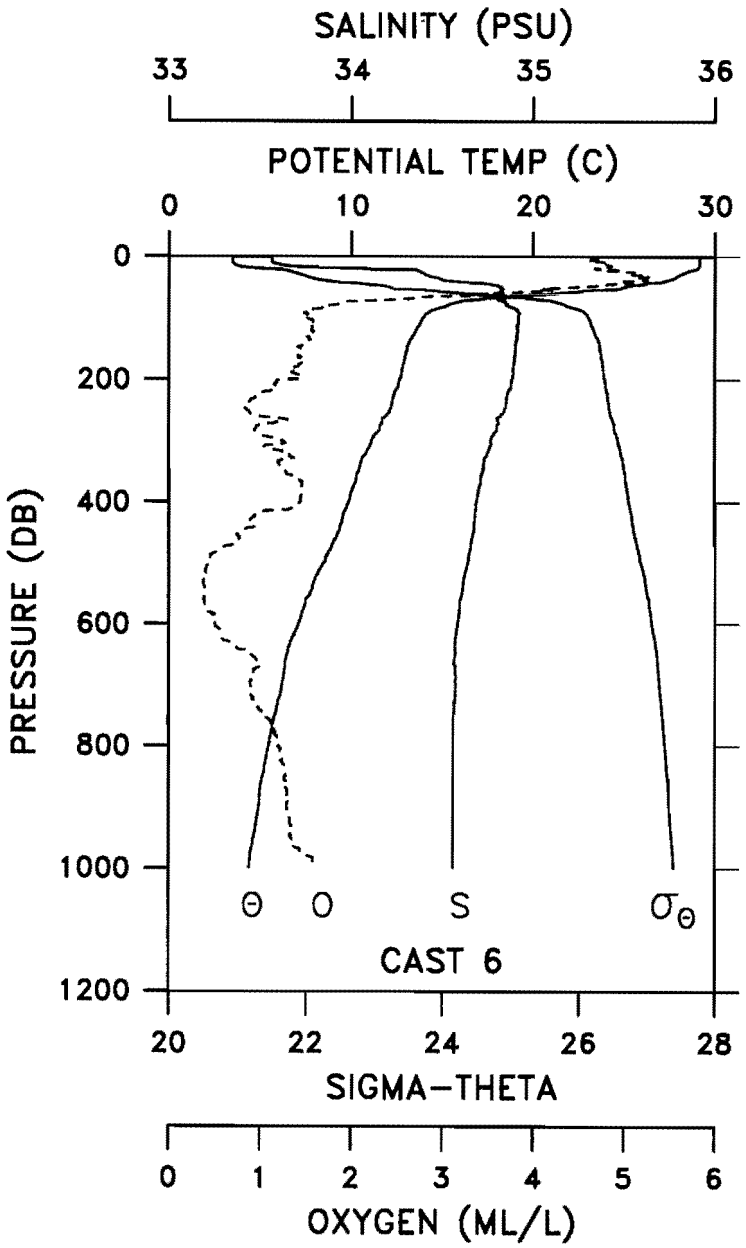
CAST EP1-87-RS -005 DATE 27 APR 87 TIME 2154 GMT
LAT 03 00.7N LONG 109 59.6W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 220 T SPD 14 KT VISIBILITY 7
CLOUD 6 AMOUNT 4 DRY 28.8 WET 25.5 DEPTH 3802 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.149	33.300	4.94	20.741	0.000
10	29.151	33.299	4.75	20.740	0.070
20	28.992	33.499	5.12	20.943	0.140
30	27.579	34.194	5.59	21.927	0.204
40	26.126	34.439	5.09	22.573	0.261
50	21.854	34.769	4.11	24.084	0.307
60	17.596	34.762	2.60	25.190	0.340
70	15.747	34.890	2.00	25.721	0.365
80	15.440	34.930	2.03	25.821	0.387
90	14.845	34.909	1.90	25.936	0.409
100	14.445	34.931	1.80	26.040	0.429
110	14.225	34.942	1.78	26.095	0.449
120	14.070	34.933	1.77	26.121	0.468
130	14.020	34.955	1.74	26.149	0.487
140	13.863	34.944	1.78	26.173	0.506
150	13.749	34.942	1.76	26.196	0.524
160	13.648	34.939	1.73	26.214	0.543
170	13.530	34.935	1.90	26.235	0.561
180	13.427	34.927	1.76	26.250	0.580
190	13.361	34.922	1.70	26.260	0.598
200	13.299	34.918	1.66	26.270	0.616
250	12.853	34.892	1.19	26.339	0.704
300	12.171	34.842	0.83	26.434	0.790
350	11.236	34.774	0.82	26.557	0.870
400	10.116	34.707	0.72	26.704	0.945
450	8.940	34.661	0.46	26.863	1.012
500	8.224	34.638	0.38	26.956	1.074
550	7.337	34.600	0.62	27.057	1.131
600	6.702	34.576	0.82	27.126	1.184
650	6.336	34.570	0.93	27.170	1.234
700	5.841	34.562	1.00	27.227	1.282
750	5.609	34.560	1.13	27.254	1.328
800	5.279	34.558	1.20	27.292	1.372
900	4.697	34.558	1.52	27.359	1.457
997	4.348	34.561	1.74	27.400	1.533

CAST EP1-87-RS -006 DATE 28 APR 87 TIME 0338 GMT

LAT 04 00.1N LONG 110 00.1W



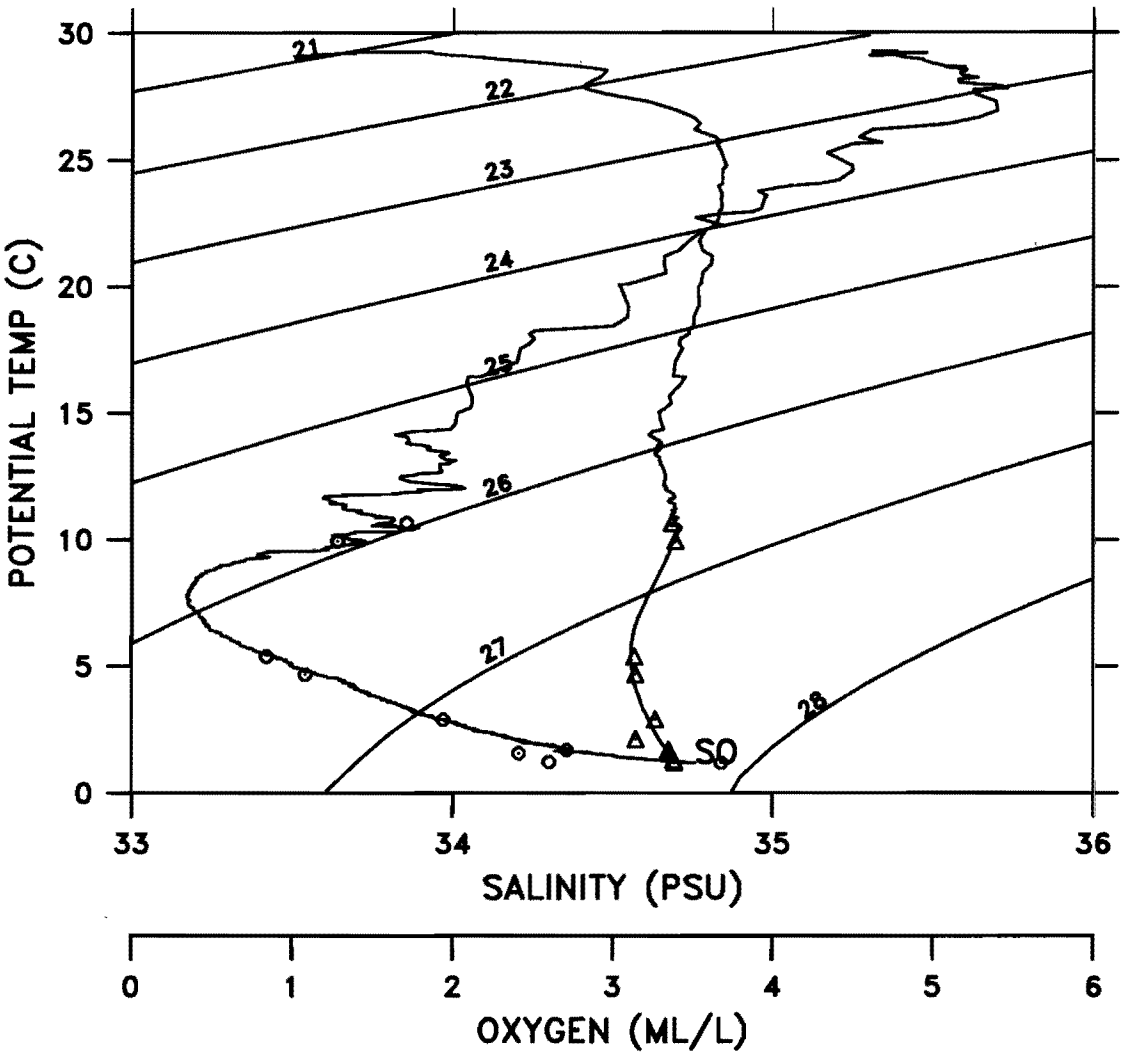


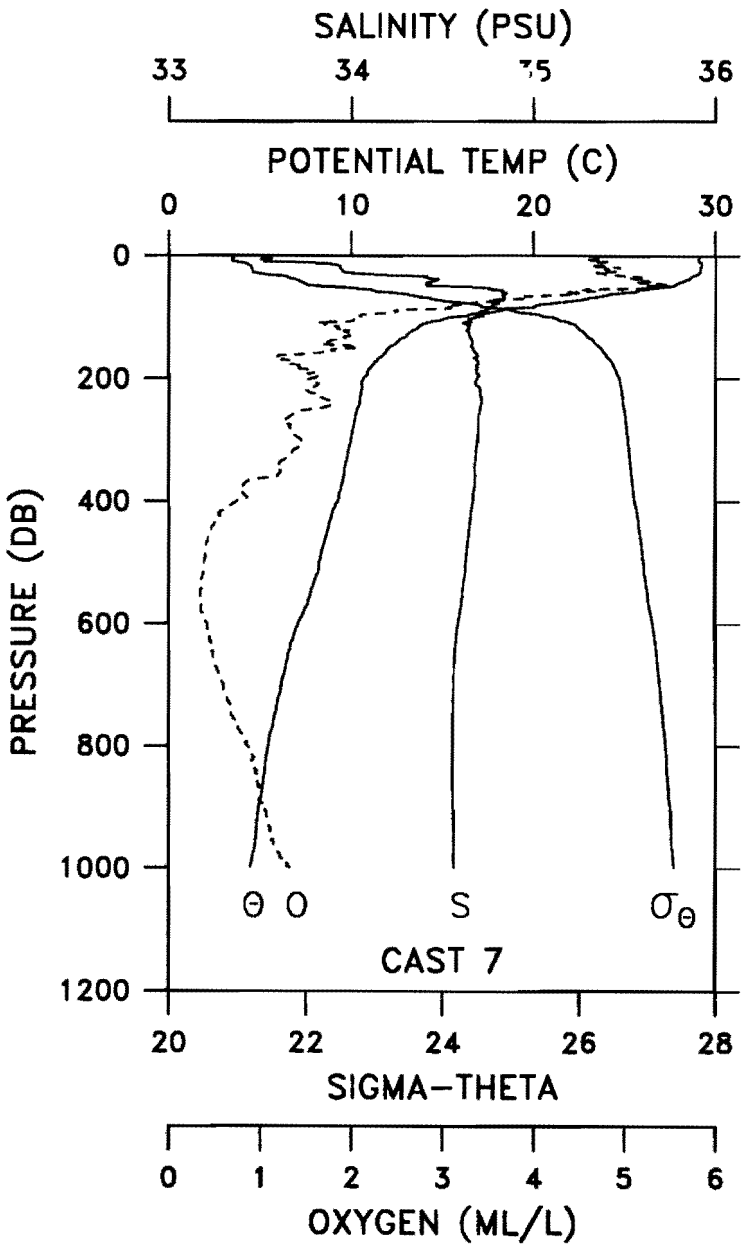
CAST EP1-87-RS -006 DATE 28 APR 87 TIME 0338 GMT
LAT 04 00.1N LONG 110 00.1W WEATHER 3 SEA STATE 3
BAROMETER 13 WIND DIR 230 T SPD 10 KT VISIBILITY
CLOUD X AMOUNT DRY 28.4 WET 25.4 DEPTH 3895 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.163	33.567	4.91	20.937	0.000
10	29.162	33.565	4.82	20.936	0.068
20	29.027	34.115	4.70	21.393	0.136
30	28.045	34.412	5.16	21.940	0.196
40	27.196	34.556	4.98	22.323	0.253
50	24.960	34.827	4.39	23.225	0.304
60	21.128	34.818	3.48	24.322	0.345
70	16.685	34.805	2.45	25.440	0.375
80	15.234	34.865	1.73	25.817	0.398
90	14.280	34.920	1.54	26.067	0.419
100	13.918	34.918	1.50	26.142	0.438
110	13.758	34.918	1.57	26.175	0.457
120	13.548	34.917	1.56	26.217	0.475
130	13.350	34.908	1.53	26.251	0.493
140	13.147	34.908	1.51	26.293	0.511
150	13.053	34.904	1.44	26.308	0.529
160	12.963	34.900	1.41	26.324	0.546
170	12.873	34.896	1.47	26.338	0.563
180	12.803	34.892	1.38	26.349	0.581
190	12.737	34.890	1.37	26.361	0.598
200	12.639	34.883	1.33	26.374	0.615
250	12.098	34.841	0.85	26.448	0.698
300	11.119	34.766	1.23	26.572	0.777
350	10.393	34.722	1.27	26.668	0.851
400	9.839	34.689	1.44	26.737	0.922
450	9.266	34.671	0.78	26.818	0.990
500	8.488	34.641	0.44	26.918	1.053
550	7.735	34.610	0.39	27.007	1.112
600	7.103	34.586	0.51	27.079	1.167
650	6.463	34.570	0.90	27.153	1.219
700	6.200	34.573	0.90	27.190	1.269
750	5.795	34.563	1.03	27.233	1.316
800	5.474	34.559	1.21	27.270	1.362
900	4.930	34.559	1.29	27.334	1.449
1000	4.385	34.562	1.61	27.397	1.529
1011	4.358	34.563	1.65	27.401	1.538

CAST EP1-87-RS -007 DATE 28 APR 87 TIME 1013 GMT

LAT 05 00.6N LONG 110 03.8W



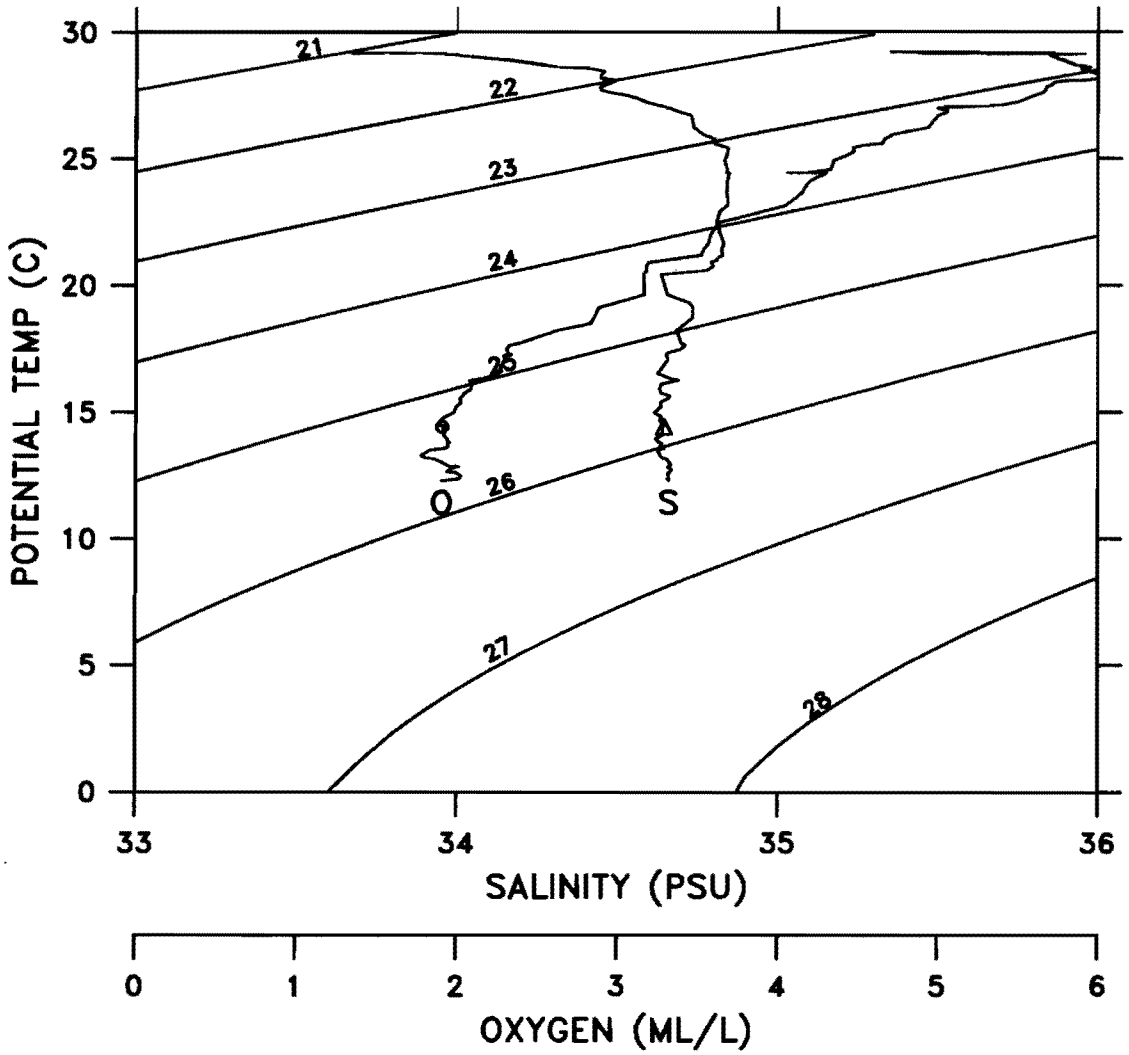


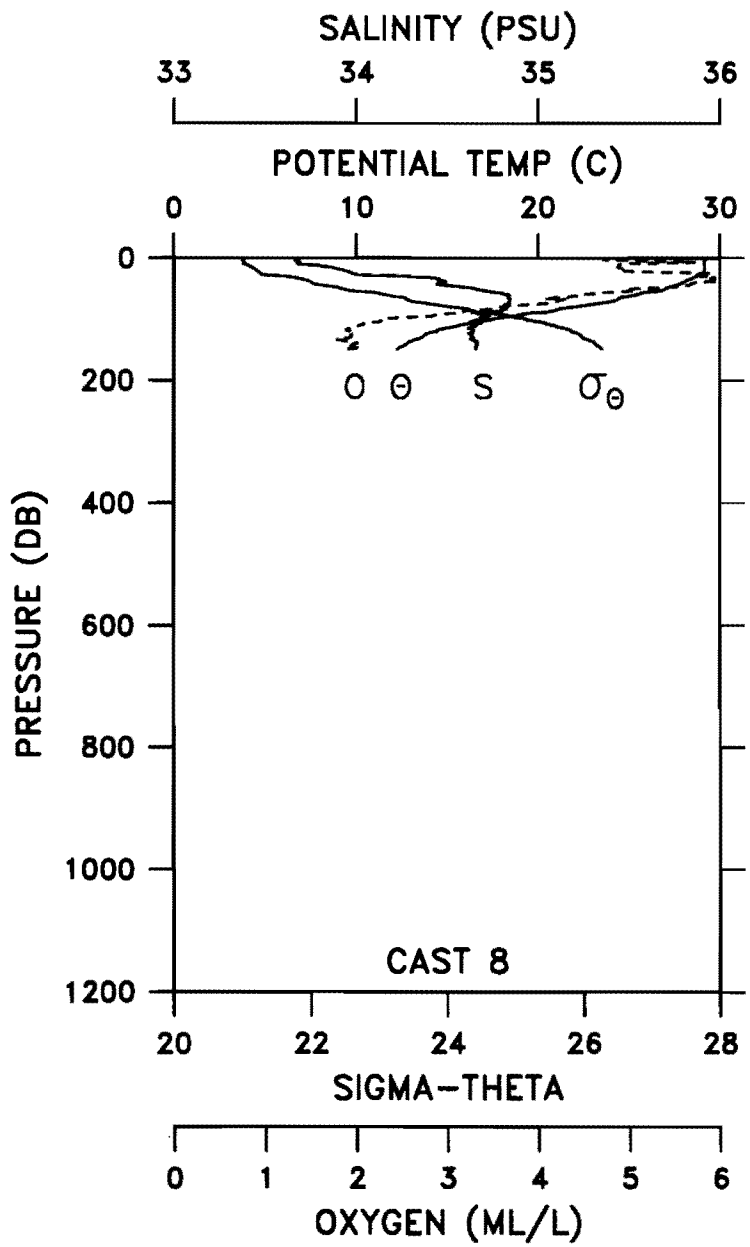
CAST EP1-87-RS -007 DATE 28 APR 87 TIME 1013 GMT
LAT 05 00.6N LONG 110 03.8W WEATHER SEA STATE 2
BAROMETER 11 WIND DIR 180 T SPD 14 KT VISIBILITY 7
CLOUD AMOUNT DRY 27.0 WET 24.0 DEPTH 3959 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.126	33.562	4.70	20.945	0.000
10	29.159	33.608	4.71	20.969	0.068
20	29.190	33.938	4.84	21.206	0.135
30	29.034	34.089	4.82	21.371	0.200
40	28.323	34.463	5.18	21.888	0.261
50	27.289	34.611	5.39	22.335	0.320
60	24.770	34.855	4.50	23.303	0.370
70	22.861	34.830	3.66	23.846	0.413
80	20.098	34.775	3.10	24.566	0.450
90	17.939	34.712	2.51	25.067	0.482
100	15.388	34.683	2.12	25.642	0.508
110	14.046	34.624	1.72	25.887	0.531
120	13.449	34.638	1.97	26.022	0.551
130	13.016	34.650	1.98	26.119	0.571
140	12.530	34.663	1.73	26.226	0.590
150	12.038	34.669	2.07	26.325	0.607
160	11.792	34.690	1.49	26.389	0.624
170	11.415	34.693	1.30	26.461	0.641
180	11.114	34.693	1.40	26.516	0.657
190	10.880	34.688	1.59	26.554	0.672
200	10.658	34.690	1.59	26.596	0.687
250	10.313	34.707	1.57	26.669	0.759
300	9.954	34.694	1.44	26.721	0.829
350	9.600	34.676	1.21	26.767	0.897
400	9.244	34.668	0.75	26.819	0.964
450	8.668	34.646	0.46	26.894	1.027
500	8.224	34.629	0.39	26.949	1.088
550	7.759	34.611	0.35	27.004	1.146
600	7.088	34.586	0.42	27.081	1.202
650	6.527	34.569	0.48	27.144	1.254
700	6.170	34.563	0.60	27.186	1.304
750	5.786	34.558	0.70	27.231	1.352
800	5.437	34.557	0.86	27.272	1.397
900	4.915	34.559	1.03	27.335	1.484
1000	4.437	34.564	1.32	27.393	1.566
1500	2.891	34.612	1.92	27.586	1.906
2000	2.120	34.645	2.38	27.678	2.184
2500	1.685	34.668	2.72	27.730	2.427
3000	1.555	34.675	2.87	27.745	2.663
3500	1.284	34.688	3.31	27.775	2.889
3793	1.182	34.692	3.52	27.786	3.018

CAST EP1-87-RS -008 DATE 28 APR 87 TIME 1913 GMT

LAT 05 02.5N LONG 110 01.5W



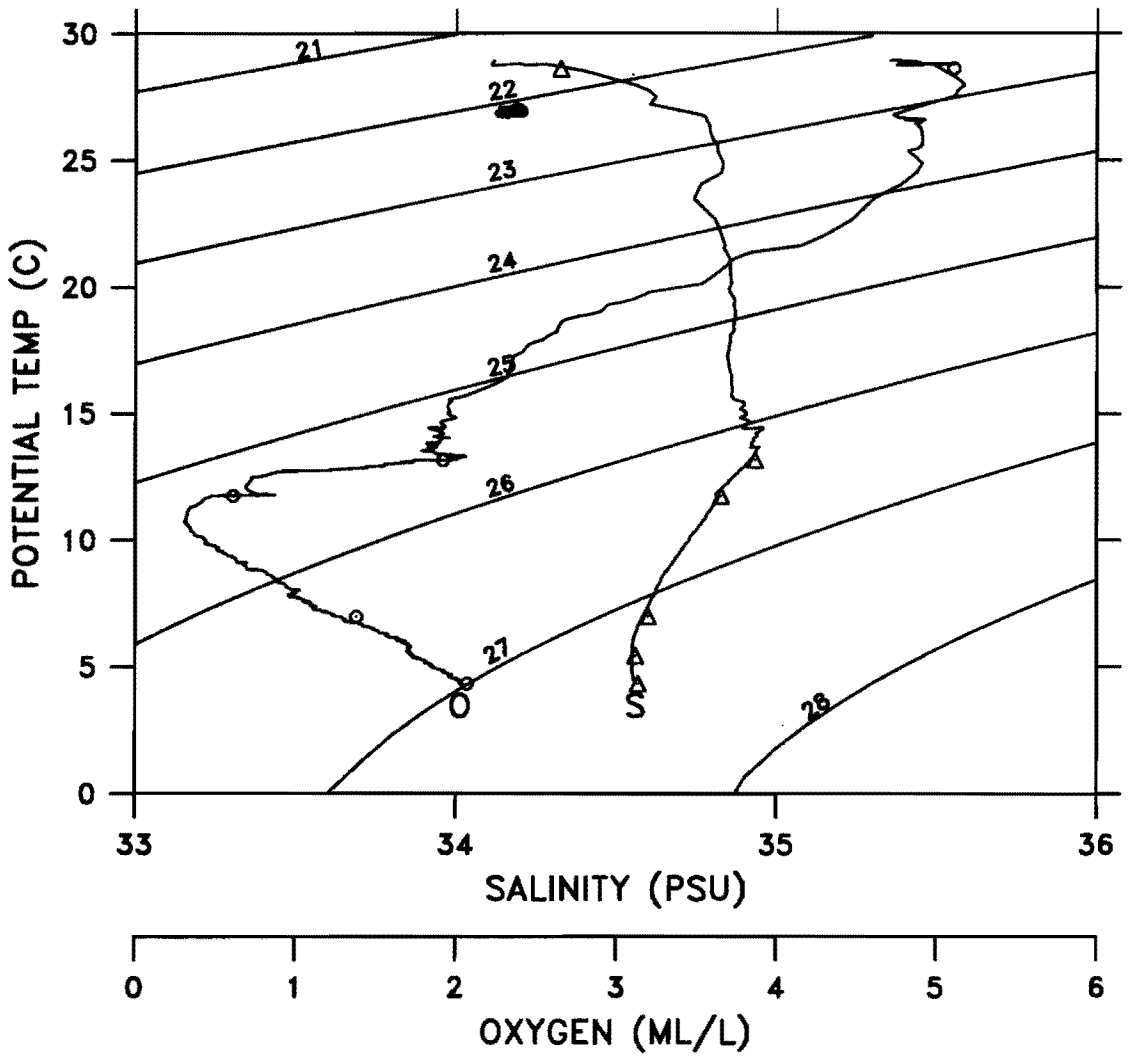


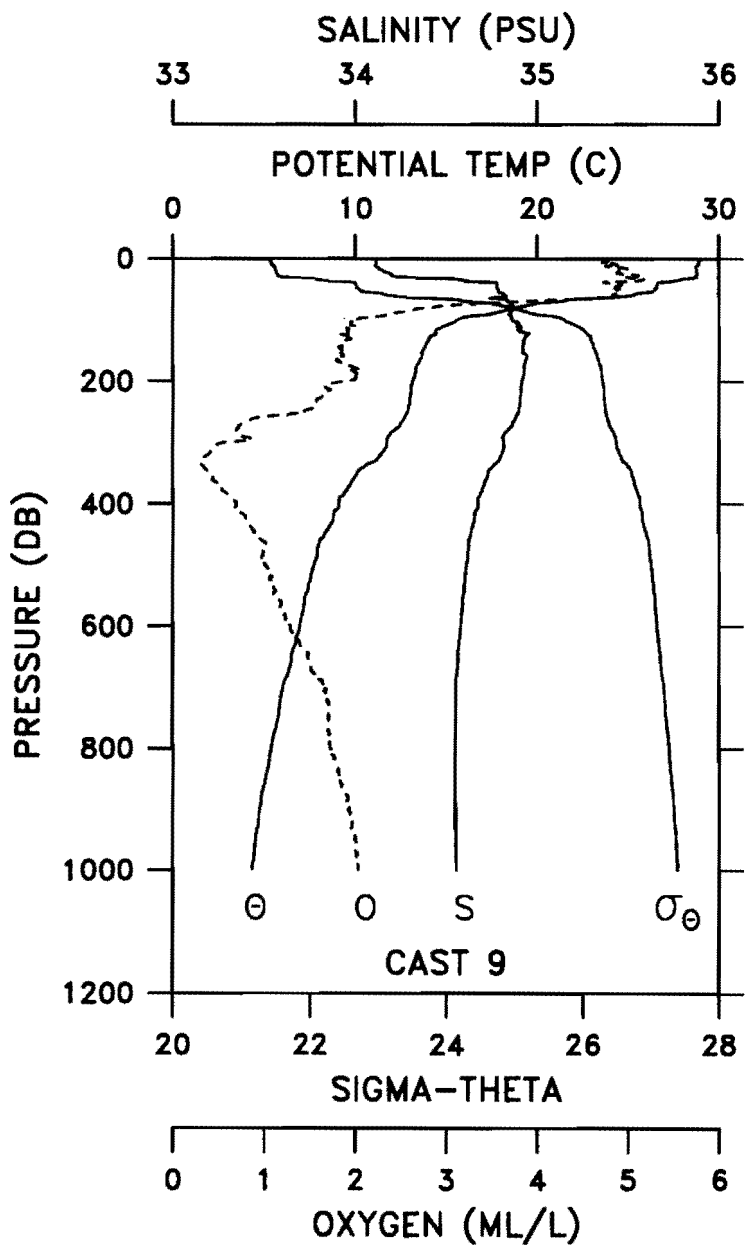
CAST EP1-87-RS -008 DATE 28 APR 87 TIME 1913 GMT
LAT 05 02.5N LONG 110 01.5W WEATHER 2 SEA STATE
BAROMETER WIND DIR T SPD KT VISIBILITY
CLOUD 6 AMOUNT 8 DRY WET DEPTH 3925 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.204	33.666	4.73	20.997	0.000
10	29.153	33.682	4.90	21.026	0.068
20	29.155	33.929	4.92	21.211	0.134
30	28.669	34.274	5.86	21.631	0.199
40	27.993	34.479	5.73	22.007	0.259
50	27.018	34.650	5.07	22.450	0.315
60	25.410	34.844	4.47	23.100	0.366
70	24.174	34.844	4.22	23.473	0.412
80	22.017	34.820	3.58	24.078	0.453
90	19.629	34.656	3.17	24.597	0.489
100	17.487	34.700	2.31	25.168	0.520
110	15.642	34.663	2.04	25.571	0.546
120	14.427	34.639	1.93	25.819	0.569
130	13.581	34.640	1.93	25.997	0.590
140	12.819	34.656	1.99	26.163	0.610
149	12.284	34.661	1.91	26.272	0.626

CAST EP1-87-RS -009 DATE 30 APR 87 TIME 0226 GMT

LAT 00 59.7N LONG 109 59.3W



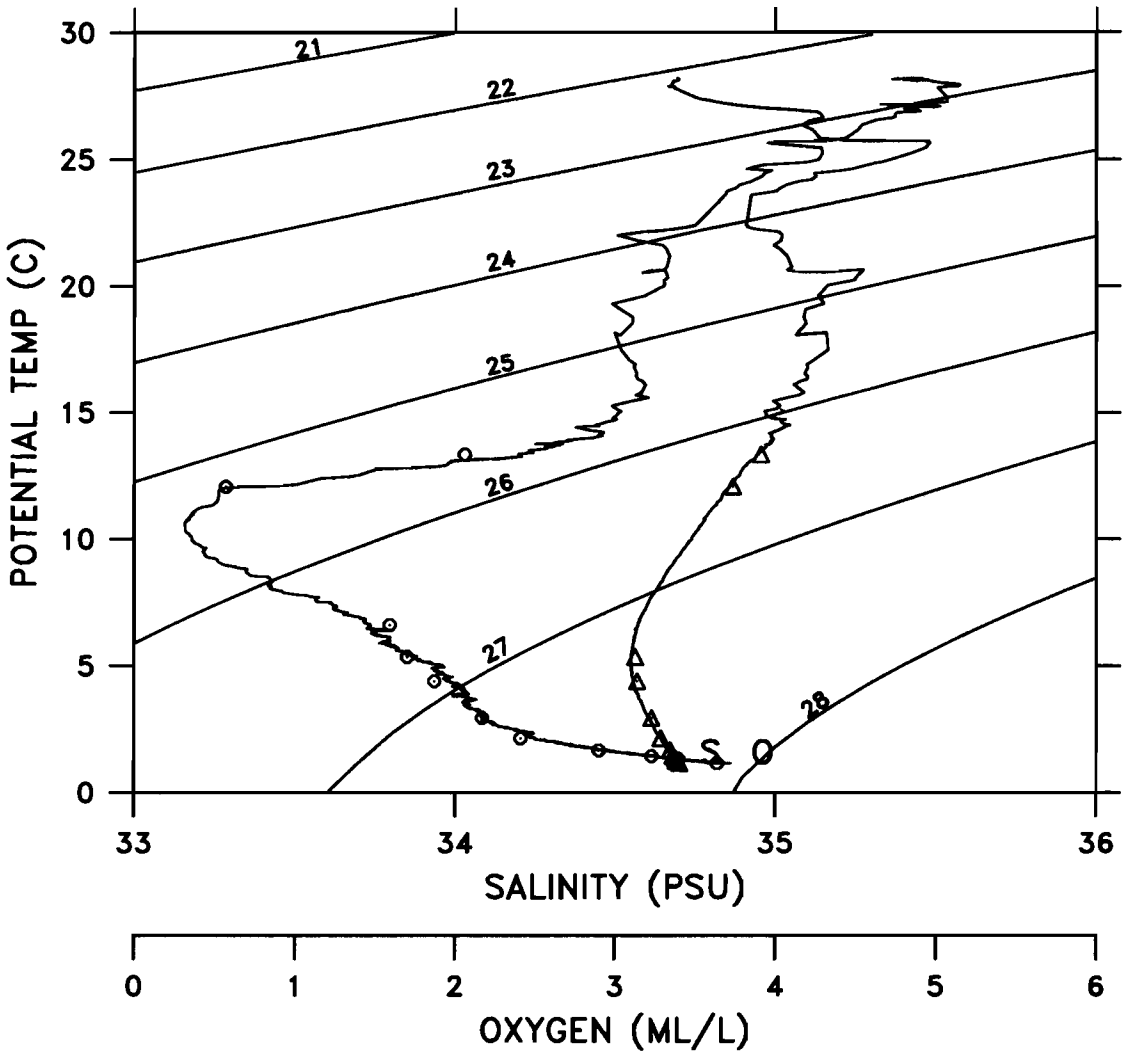


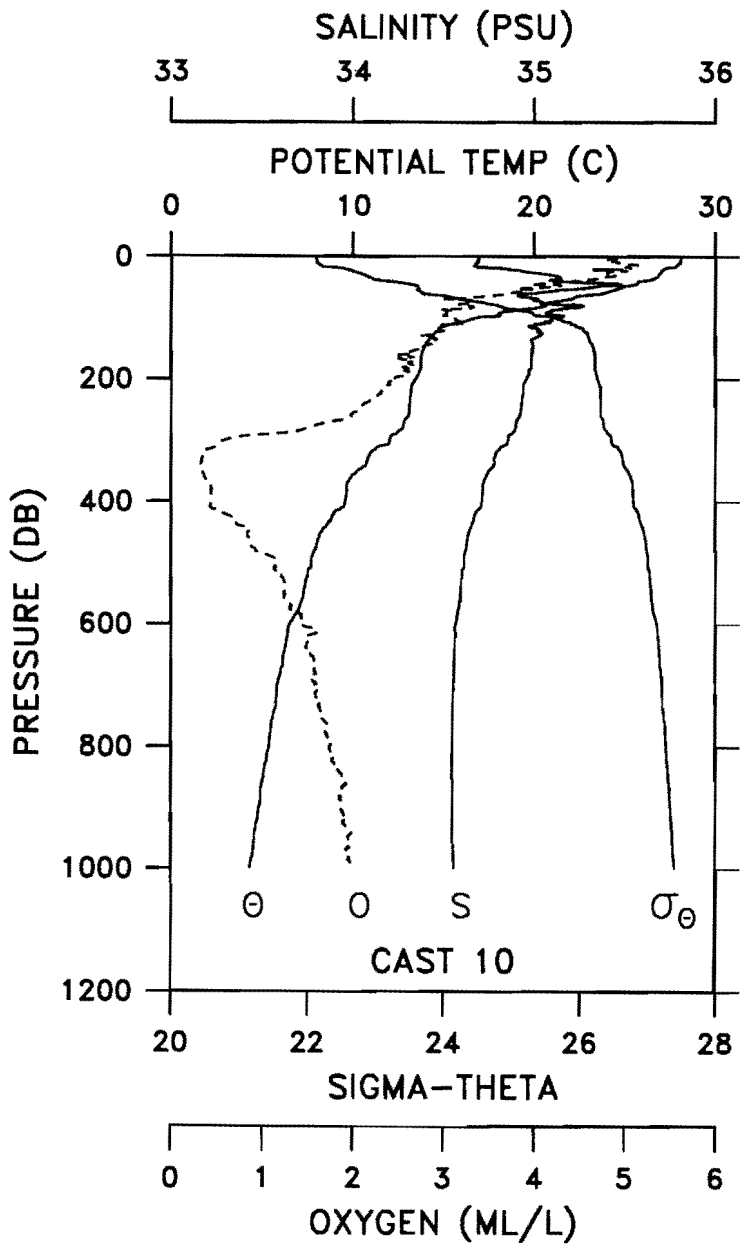
CAST EP1-87-RS -009 DATE 30 APR 87 TIME 0226 GMT
LAT 00 59.7N LONG 109 59.3W WEATHER 1 SEA STATE 2
BAROMETER 11 WIND DIR 080 T SPD 06 KT VISIBILITY 7
CLOUD X AMOUNT DRY 28.0 WET 26.0 DEPTH 3769 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.912	34.117	4.76	21.433	0.000
10	28.867	34.114	4.90	21.445	0.064
20	28.782	34.155	4.89	21.505	0.127
30	28.795	34.279	4.98	21.593	0.189
40	26.632	34.780	4.83	22.671	0.246
50	26.464	34.786	4.89	22.729	0.297
60	25.082	34.826	4.88	23.186	0.347
70	21.124	34.853	3.73	24.350	0.388
80	18.855	34.870	2.76	24.960	0.420
90	17.433	34.849	2.41	25.296	0.449
100	15.610	34.864	1.97	25.733	0.473
110	14.845	34.887	2.00	25.920	0.495
120	14.430	34.939	1.92	26.049	0.515
130	14.060	34.932	1.91	26.123	0.535
140	13.878	34.925	1.90	26.155	0.554
150	13.733	34.923	1.85	26.184	0.573
160	13.673	34.945	1.85	26.214	0.591
170	13.498	34.935	1.87	26.242	0.610
180	13.331	34.929	2.06	26.271	0.628
190	13.286	34.927	2.05	26.279	0.645
200	13.162	34.917	1.89	26.296	0.663
250	12.897	34.899	1.44	26.336	0.751
300	11.757	34.818	0.61	26.494	0.835
350	10.128	34.730	0.42	26.719	0.911
400	9.112	34.676	0.70	26.847	0.978
450	8.309	34.635	0.92	26.941	1.040
500	7.744	34.612	1.02	27.007	1.097
550	7.261	34.593	1.13	27.062	1.153
600	6.968	34.581	1.29	27.093	1.207
650	6.503	34.565	1.48	27.144	1.258
700	6.040	34.552	1.65	27.194	1.308
750	5.775	34.550	1.70	27.225	1.356
800	5.388	34.550	1.73	27.273	1.401
900	4.768	34.550	1.92	27.345	1.488
1000	4.351	34.557	2.04	27.397	1.568
1010	4.338	34.557	2.03	27.398	1.576

CAST EP1-87-RS -010 DATE 30 APR 87 TIME 0939 GMT

LAT 00 00.7N LONG 109 59.3W



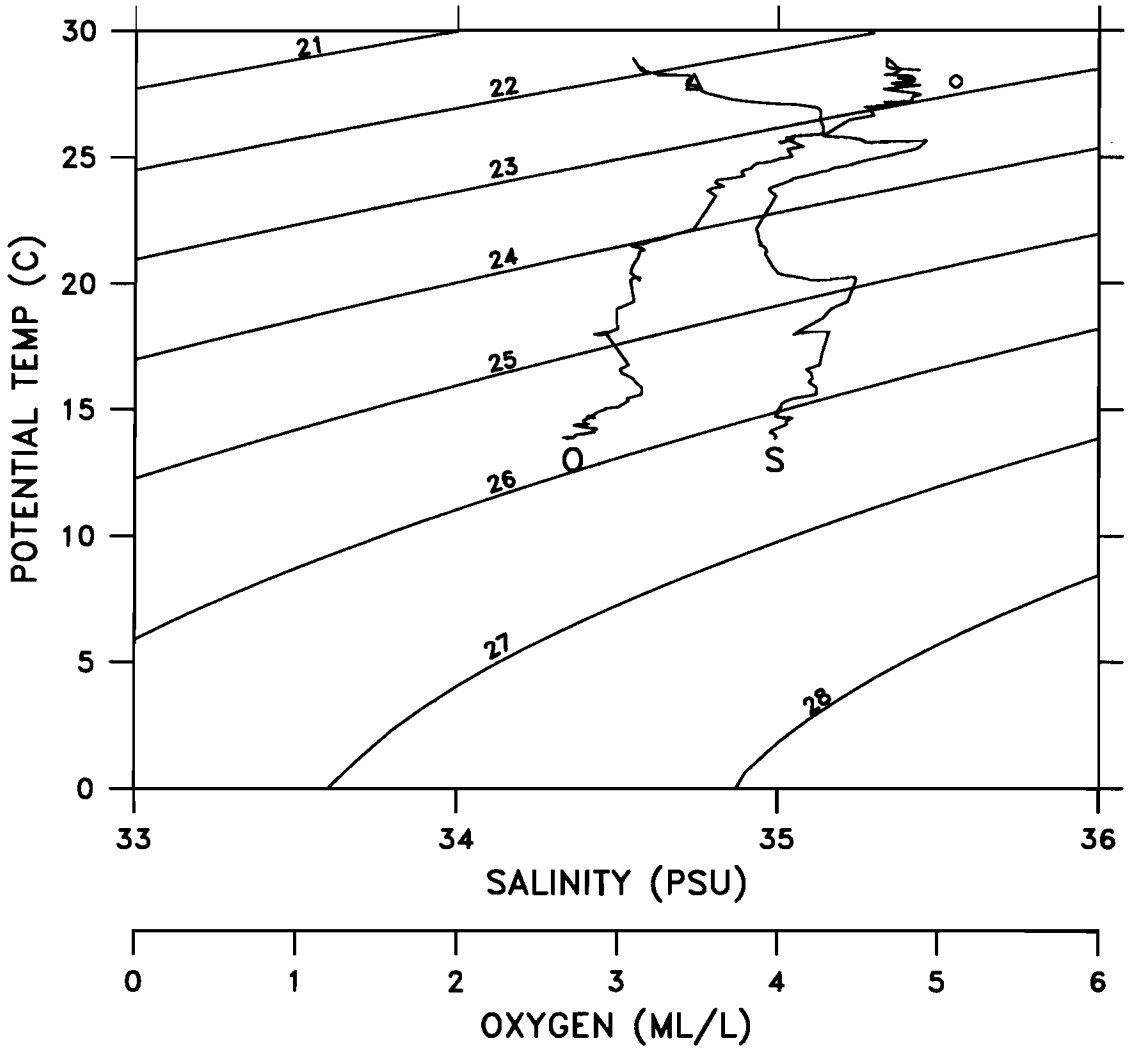


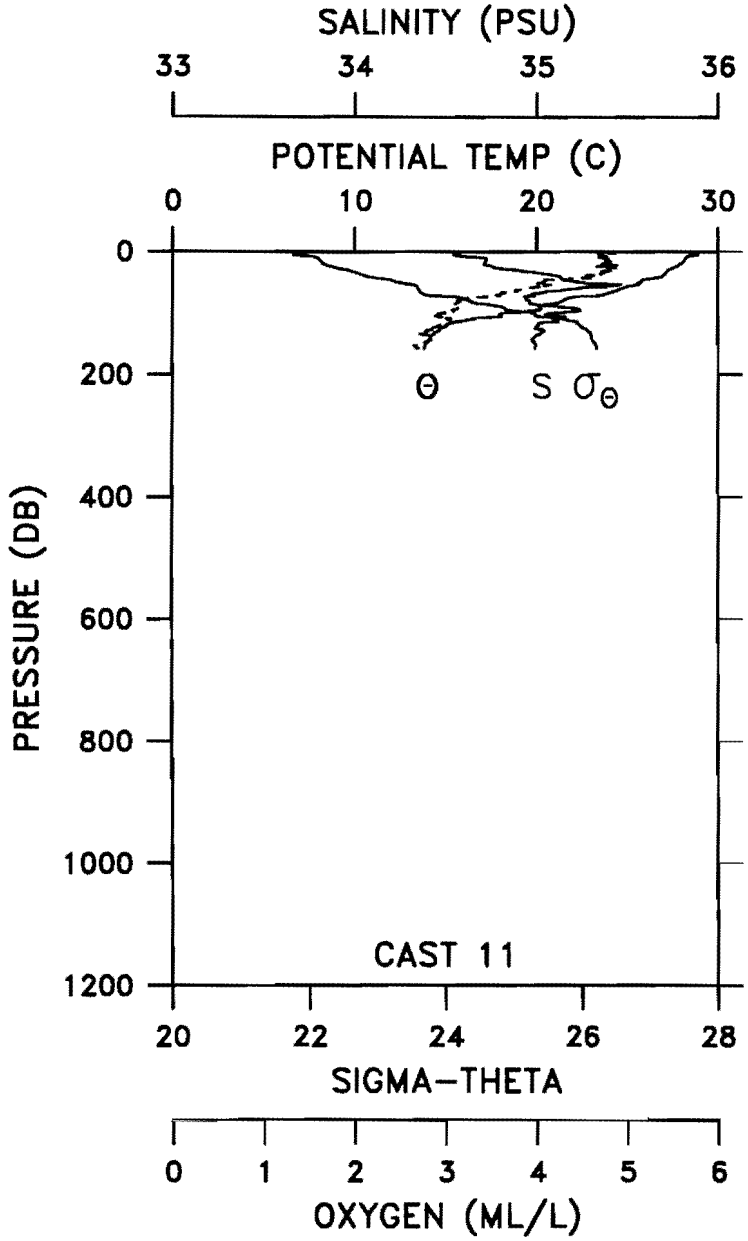
CAST EP1-87-RS -010 DATE 30 APR 87 TIME 0939 GMT
LAT 00 00.7N LONG 109 59.3W WEATHER 6 SEA STATE 2
BAROMETER 12 WIND DIR 085 T SPD 08 KT VISIBILITY 1
CLOUD 8 AMOUNT 5 DRY 24.0 WET 24.0 DEPTH 3724 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.138	34.700	4.73	22.126	0.000
10	28.100	34.695	4.95	22.134	0.057
20	27.183	34.852	4.96	22.550	0.113
30	26.888	35.096	4.90	22.828	0.164
40	25.822	35.139	4.43	23.195	0.214
50	24.849	35.311	4.13	23.624	0.258
60	23.749	35.003	3.70	23.719	0.300
70	21.794	35.017	3.14	24.290	0.339
80	20.629	35.274	3.31	24.805	0.373
90	18.298	35.080	3.07	25.260	0.403
100	16.782	35.101	3.12	25.645	0.429
110	15.450	34.994	3.10	25.868	0.451
120	14.729	35.033	3.01	26.058	0.472
130	14.382	35.022	2.78	26.124	0.491
140	14.100	34.989	2.92	26.158	0.510
150	13.908	34.992	2.72	26.201	0.529
160	13.780	34.987	2.51	26.224	0.547
170	13.764	34.984	2.67	26.225	0.566
180	13.761	34.984	2.57	26.225	0.584
190	13.651	34.972	2.56	26.239	0.602
200	13.470	34.957	2.49	26.235	0.621
250	13.116	34.927	2.08	26.314	0.709
300	12.032	34.857	0.60	26.472	0.795
350	10.238	34.752	0.33	26.718	0.870
400	9.575	34.713	0.43	26.800	0.937
450	8.246	34.642	0.84	26.956	1.000
500	7.719	34.615	1.14	27.013	1.057
550	7.284	34.597	1.23	27.062	1.112
600	6.502	34.569	1.46	27.147	1.165
650	6.182	34.562	1.54	27.184	1.214
700	5.813	34.556	1.58	27.226	1.262
750	5.589	34.553	1.66	27.251	1.309
800	5.363	34.552	1.74	27.278	1.353
900	4.804	34.552	1.87	27.343	1.439
1000	4.306	34.559	2.00	27.403	1.519
1500	2.842	34.612	2.17	27.590	1.862
2000	2.078	34.647	2.54	27.683	2.138
2500	1.672	34.667	2.95	27.730	2.381
3000	1.442	34.679	3.23	27.757	2.611
3500	1.253	34.690	3.49	27.779	2.833
3717	1.158	34.695	3.72	27.790	2.926

CAST EP1-87-RS -011 DATE 01 MAY 87 TIME 0213 GMT

LAT 00 01.0N LONG 109 52.9W



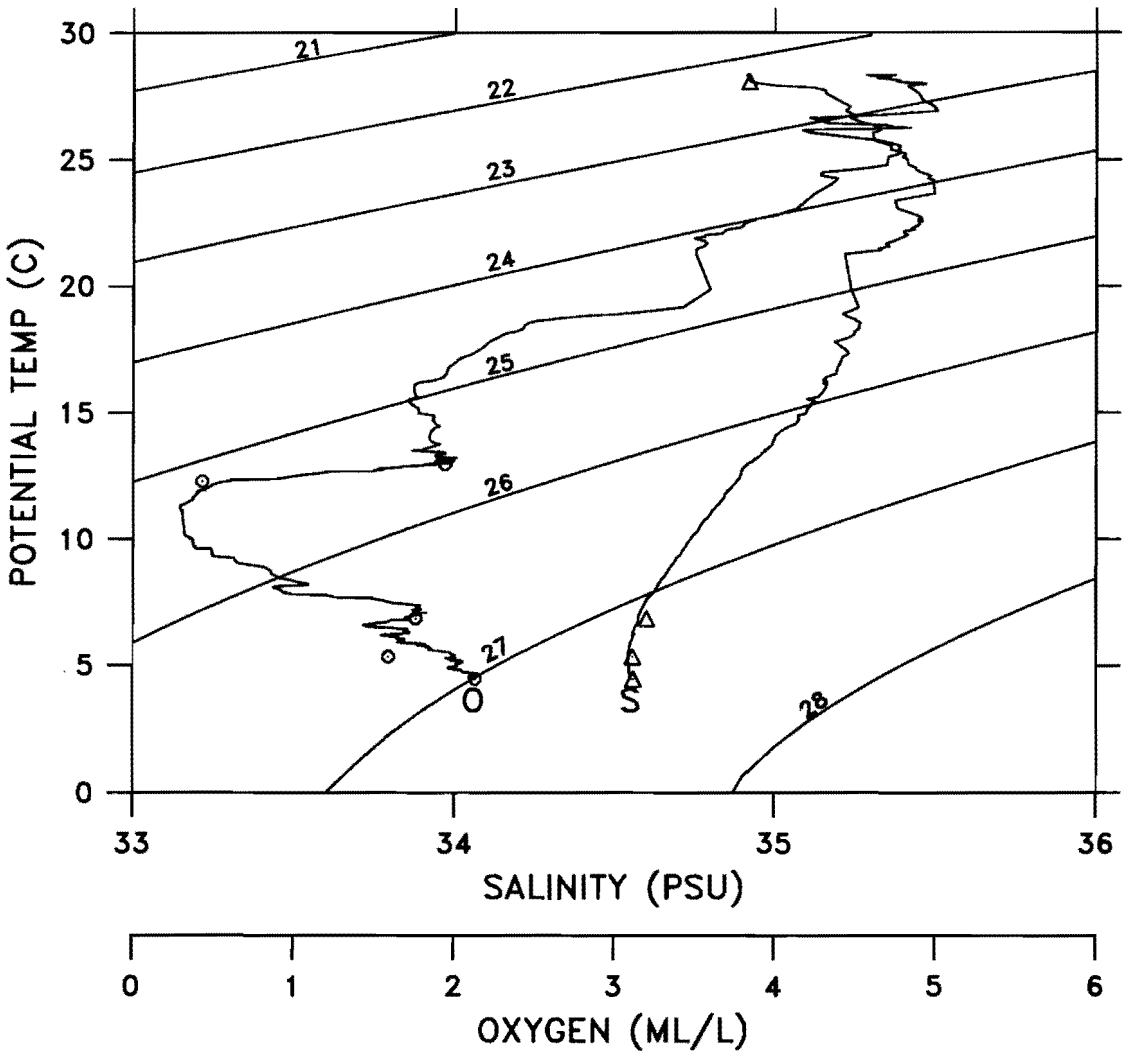


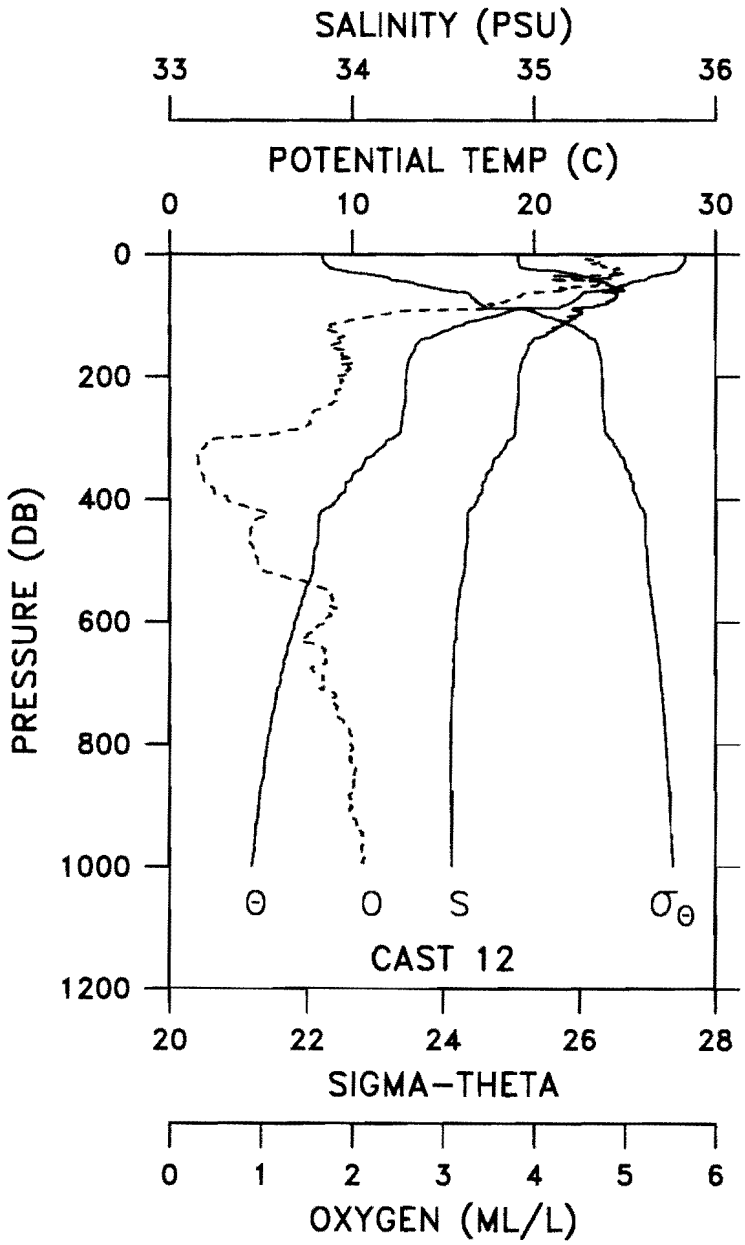
CAST EP1-87-RS -011 DATE 01 MAY 87 TIME 0213 GMT
LAT 00 01.0N LONG 109 52.9W WEATHER 2 SEA STATE 0
BAROMETER 12 WIND DIR T SPD 00 KT VISIBILITY 7
CLOUD X AMOUNT DRY 28.8 WET 25.4 DEPTH 3742 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.425	34.581	4.88	21.942	0.000
10	28.227	34.717	4.72	22.110	0.059
20	27.906	34.713	4.71	22.212	0.115
30	27.202	34.897	4.83	22.578	0.170
40	26.923	35.126	4.61	22.839	0.222
50	25.712	35.252	4.09	23.315	0.269
60	24.664	35.214	3.84	23.607	0.313
70	23.681	34.971	3.56	23.715	0.356
80	21.402	34.960	3.14	24.355	0.394
90	20.118	35.135	3.13	24.835	0.428
100	18.210	35.079	3.00	25.281	0.458
110	16.432	35.104	3.02	25.729	0.483
120	15.052	35.008	2.92	25.967	0.505
130	14.554	35.029	2.78	26.092	0.525
140	14.194	34.985	2.86	26.135	0.544
150	13.942	34.993	2.73	26.195	0.563
158	13.856	34.991	2.72	26.211	0.578

CAST EP1-87-RS -012 DATE 01 MAY 87 TIME 0835 GMT

LAT 00 59.9S LONG 110 00.2W



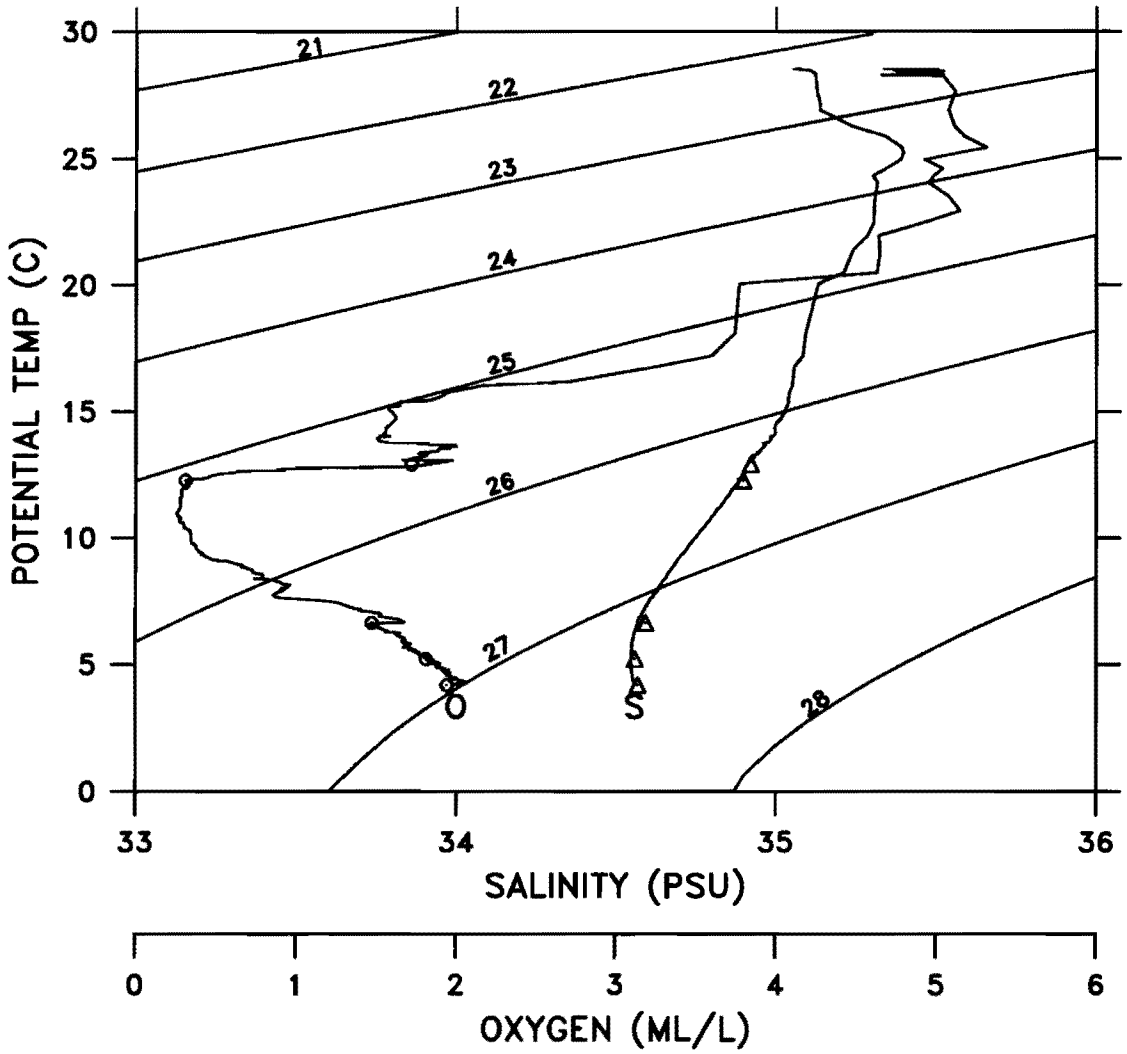


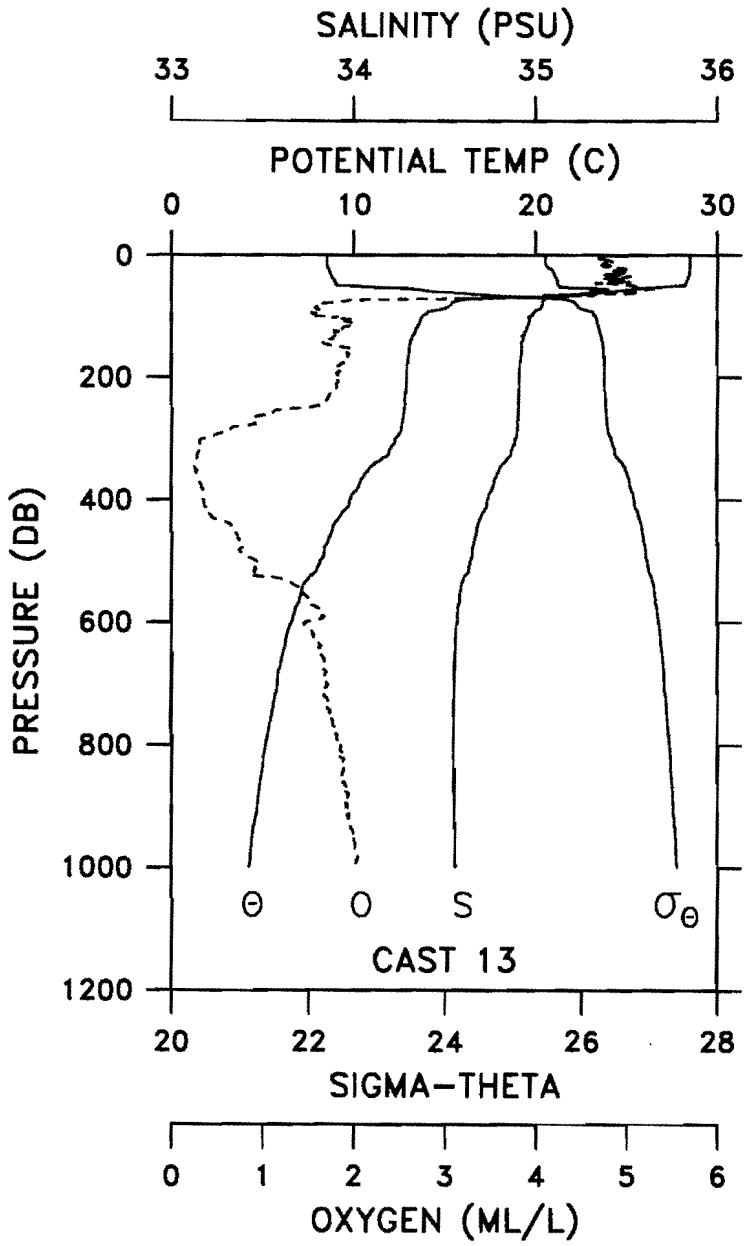
CAST EP1-87-RS -012 DATE 01 MAY 87 TIME 0835 GMT
LAT 00 59.9S LONG 110 00.2W WEATHER 1 SEA STATE 1
BAROMETER 01 WIND DIR 095 T SPD 07 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 27.2 WET 25.0 DEPTH 3970 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.330	34.913	4.75	22.223	0.000
10	28.298	34.913	4.73	22.233	0.056
20	28.077	34.922	4.78	22.313	0.112
30	27.594	35.159	4.89	22.648	0.165
40	26.205	35.330	4.57	23.220	0.214
50	24.975	35.412	4.70	23.662	0.258
60	23.377	35.373	4.19	24.108	0.299
70	22.489	35.448	3.82	24.422	0.335
80	21.950	35.405	3.56	24.541	0.369
90	18.904	35.212	3.05	25.209	0.402
100	17.952	35.227	2.27	25.459	0.428
110	16.384	35.160	1.93	25.783	0.452
120	15.531	35.101	1.72	25.932	0.474
130	14.722	35.076	1.86	26.092	0.494
140	13.759	34.992	1.91	26.232	0.513
150	13.498	34.971	1.74	26.270	0.531
160	13.368	34.958	1.94	26.287	0.549
170	13.166	34.940	1.90	26.313	0.566
180	13.066	34.928	1.88	26.325	0.584
190	13.019	34.921	1.93	26.329	0.601
200	12.983	34.916	1.85	26.332	0.619
250	12.888	34.908	1.68	26.345	0.706
300	12.332	34.883	0.62	26.435	0.792
350	10.522	34.768	0.32	26.680	0.868
400	9.195	34.690	0.63	26.844	0.935
450	8.134	34.633	0.89	26.966	0.995
500	7.866	34.621	0.97	26.997	1.053
550	7.404	34.591	1.74	27.040	1.110
600	6.849	34.572	1.71	27.103	1.164
650	6.442	34.561	1.69	27.149	1.215
700	6.052	34.555	1.65	27.195	1.264
750	5.667	34.547	1.86	27.237	1.311
800	5.347	34.543	1.98	27.272	1.357
900	4.886	34.547	1.98	27.330	1.444
1000	4.506	34.550	2.12	27.374	1.526
1002	4.489	34.550	2.12	27.376	1.528

CAST EP1-87-RS -013 DATE 01 MAY 87 TIME 1428 GMT

LAT 01 59.9S LONG 109 59.6W



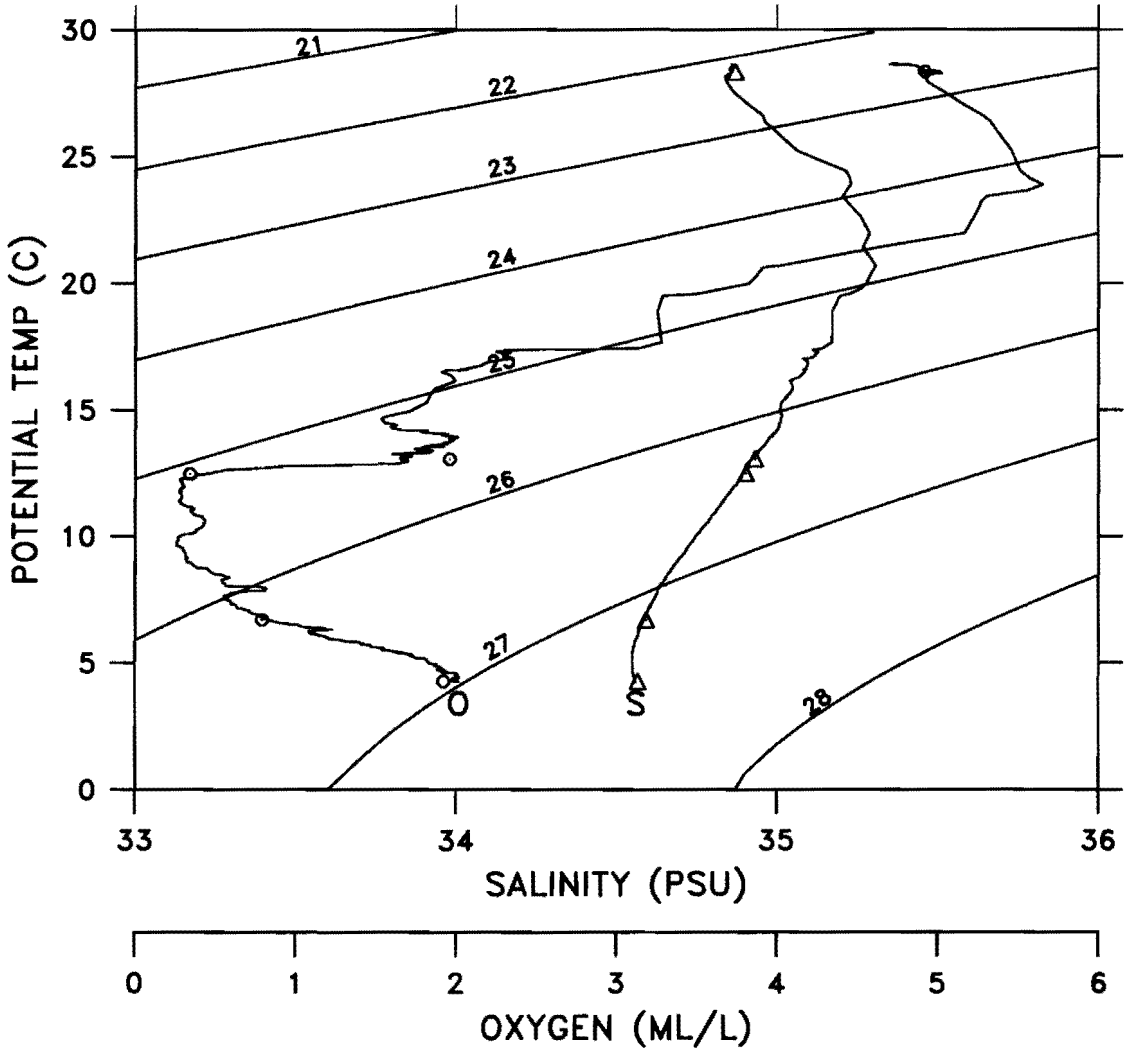


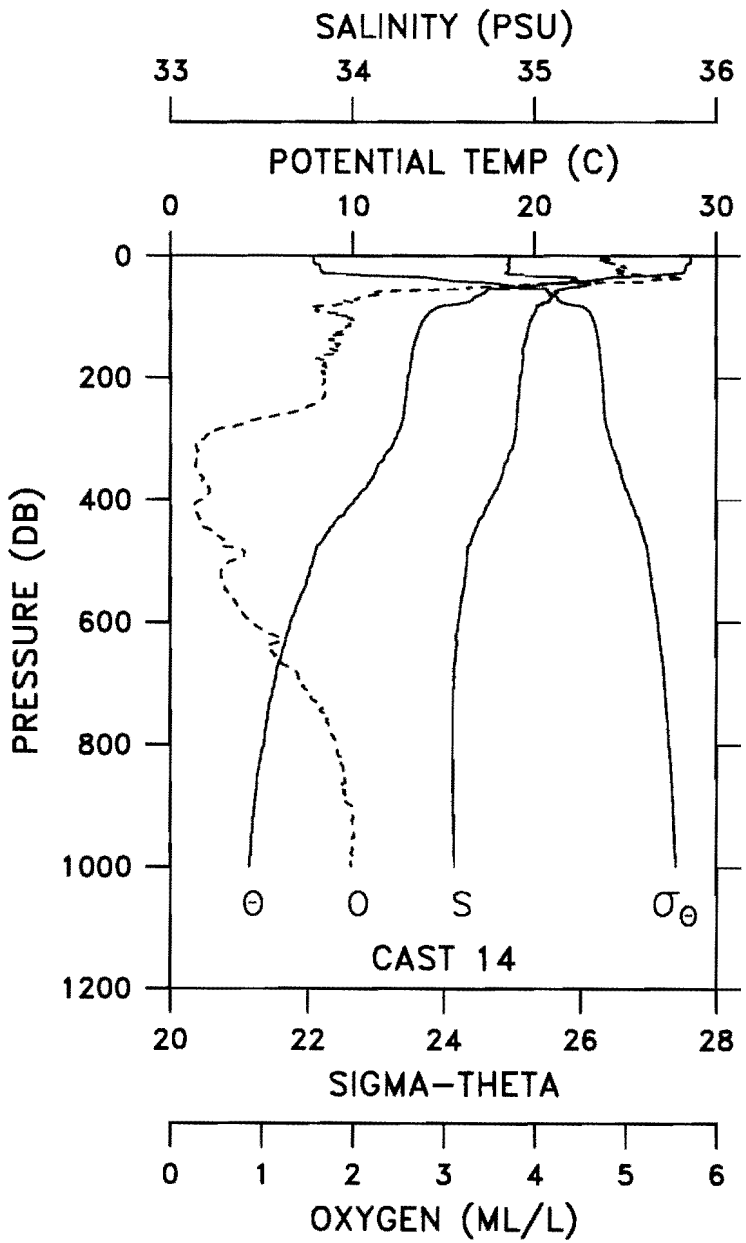
CAST EP1-87-RS -013 DATE 01 MAY 87 TIME 1428 GMT
LAT 01 59.9S LONG 109 59.6W WEATHER 1 SEA STATE 1
BAROMETER 12 WIND DIR 155 T SPD 03 KT VISIBILITY 7
CLOUD 9 AMOUNT 2 DRY 27.5 WET 25.5 DEPTH 3916 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.508	35.056	4.87	22.272	0.000
10	28.511	35.055	4.83	22.271	0.056
20	28.508	35.069	4.82	22.281	0.111
30	28.466	35.103	4.98	22.321	0.166
40	28.357	35.119	4.97	22.369	0.221
50	27.643	35.127	5.12	22.609	0.276
60	24.032	35.317	4.95	23.873	0.321
70	17.187	35.084	3.60	25.535	0.355
80	15.347	35.039	1.63	25.926	0.377
90	14.548	35.001	1.59	26.072	0.397
100	13.775	34.972	1.60	26.214	0.416
110	13.630	34.963	1.96	26.237	0.434
120	13.444	34.951	1.88	26.265	0.452
130	13.318	34.941	1.78	26.283	0.470
140	13.154	34.929	1.72	26.307	0.487
150	13.073	34.923	1.84	26.319	0.505
160	13.060	34.923	1.92	26.322	0.522
170	12.995	34.918	1.90	26.331	0.539
180	12.950	34.914	1.85	26.337	0.557
190	12.934	34.913	1.82	26.339	0.574
200	12.926	34.912	1.82	26.340	0.591
250	12.802	34.907	1.47	26.361	0.678
300	12.338	34.890	0.38	26.440	0.763
350	10.851	34.800	0.27	26.647	0.842
400	9.798	34.735	0.35	26.779	0.913
450	8.807	34.677	0.68	26.896	0.977
500	8.156	34.642	0.93	26.969	1.038
550	7.114	34.587	1.39	27.078	1.093
600	6.591	34.571	1.47	27.137	1.146
650	6.133	34.557	1.64	27.186	1.195
700	5.820	34.553	1.70	27.222	1.242
750	5.506	34.550	1.75	27.259	1.288
800	5.157	34.549	1.84	27.299	1.332
900	4.713	34.551	1.94	27.353	1.416
1000	4.258	34.560	2.01	27.409	1.495
1010	4.198	34.562	2.00	27.417	1.503

CAST EP1-87-RS -014 DATE 01 MAY 87 TIME 2043 GMT

LAT 02 59.9S LONG 109 59.7W



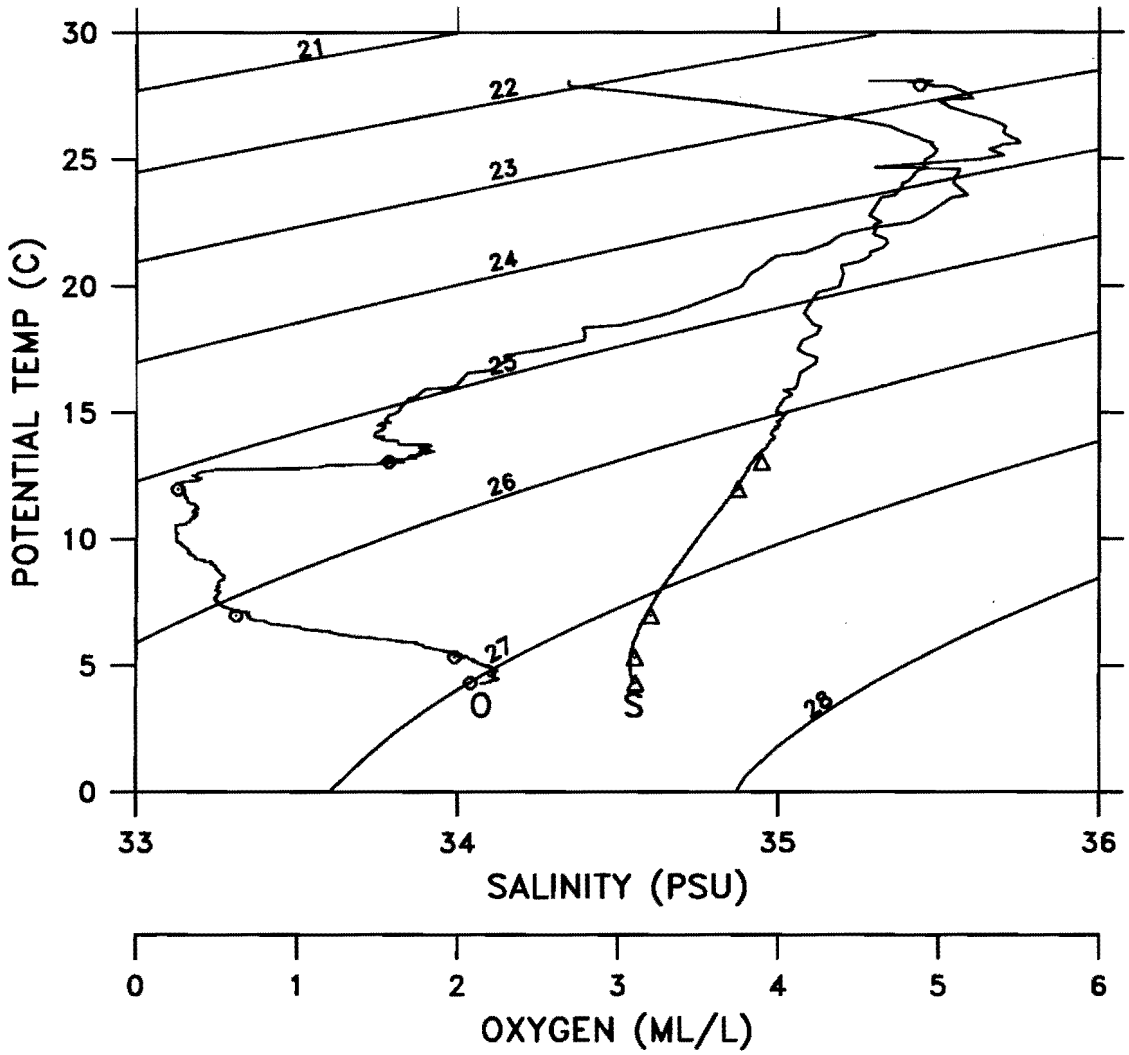


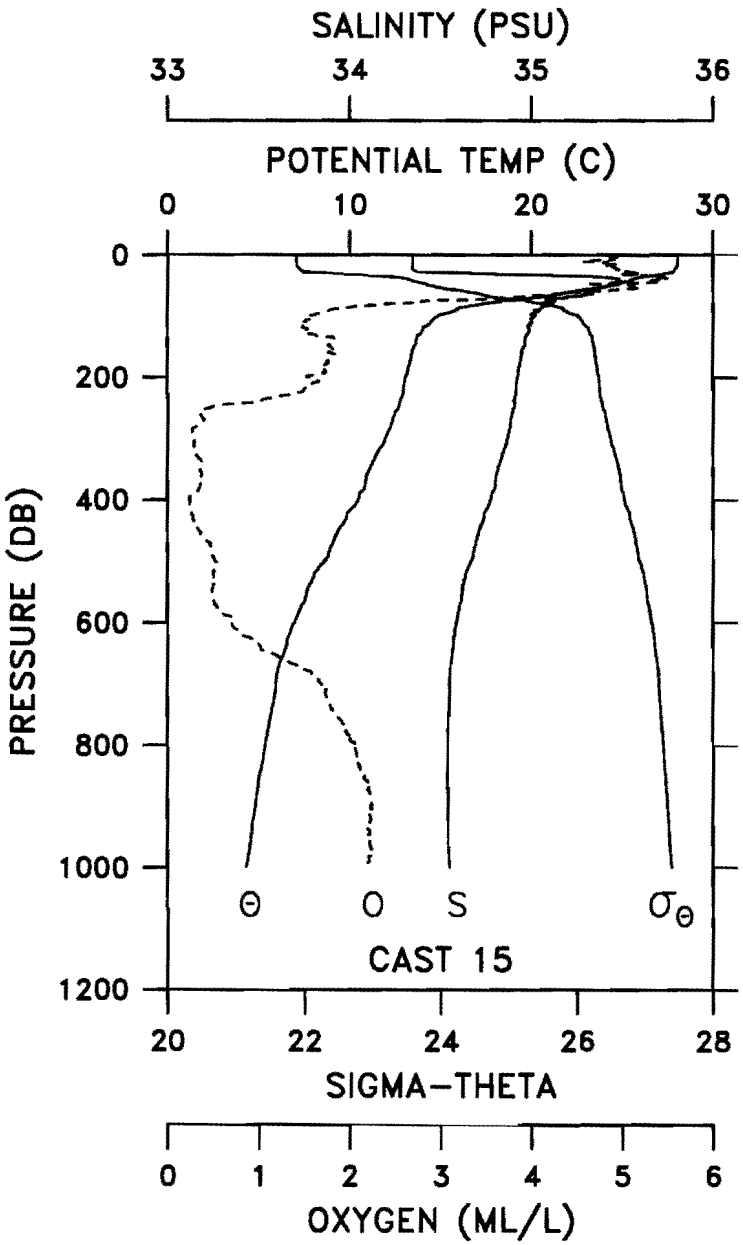
CAST EP1-87-RS -014 DATE 01 MAY 87 TIME 2043 GMT
LAT 02 59.9S LONG 109 59.7W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 140 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 5 DRY 28.0 WET 26.0 DEPTH 3811 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.595	34.859	4.82	22.095	0.000
10	28.617	34.859	4.75	22.088	0.057
20	28.320	34.861	5.02	22.187	0.114
30	27.502	34.867	5.04	22.458	0.170
40	23.191	35.218	5.27	24.045	0.215
50	19.774	35.259	3.66	25.020	0.248
60	17.292	35.128	2.25	25.543	0.274
70	16.619	35.091	2.05	25.675	0.298
80	15.623	35.038	1.84	25.863	0.321
90	14.333	35.008	1.59	26.123	0.341
100	14.004	34.990	1.91	26.179	0.360
110	13.798	34.974	1.98	26.210	0.378
120	13.650	34.963	1.95	26.232	0.396
130	13.540	34.958	1.83	26.251	0.414
140	13.432	34.949	1.79	26.267	0.432
150	13.323	34.938	1.83	26.280	0.450
160	13.275	34.934	1.78	26.287	0.468
170	13.234	34.937	1.63	26.297	0.486
180	13.172	34.932	1.67	26.306	0.503
190	13.130	34.931	1.65	26.314	0.521
200	13.030	34.920	1.67	26.325	0.538
250	12.838	34.906	1.49	26.353	0.625
300	12.328	34.890	0.38	26.441	0.711
350	11.307	34.829	0.28	26.586	0.791
400	10.103	34.754	0.35	26.742	0.864
450	8.721	34.673	0.45	26.907	0.929
500	7.825	34.629	0.68	27.008	0.988
550	7.278	34.607	0.63	27.071	1.043
600	6.581	34.581	0.90	27.146	1.095
650	6.114	34.567	1.12	27.196	1.144
700	5.707	34.556	1.44	27.238	1.191
750	5.355	34.549	1.68	27.276	1.236
800	5.137	34.549	1.81	27.302	1.279
900	4.609	34.550	1.99	27.363	1.362
1000	4.317	34.558	1.98	27.401	1.441
1019	4.255	34.558	2.01	27.408	1.455

CAST EP1-87-RS -015 DATE 02 MAY 87 TIME 0251 GMT

LAT 03 59.5S LONG 110 01.6W



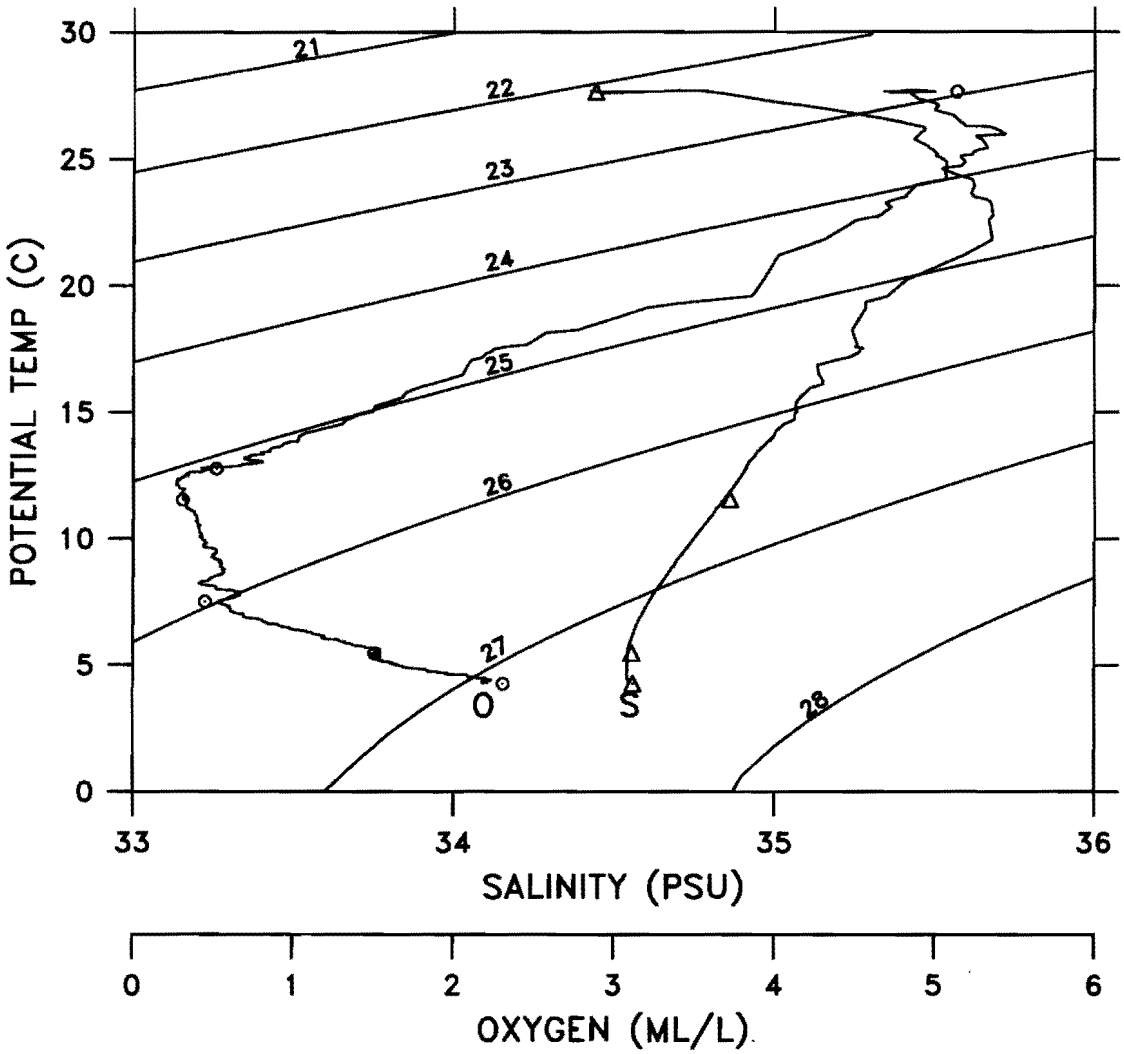


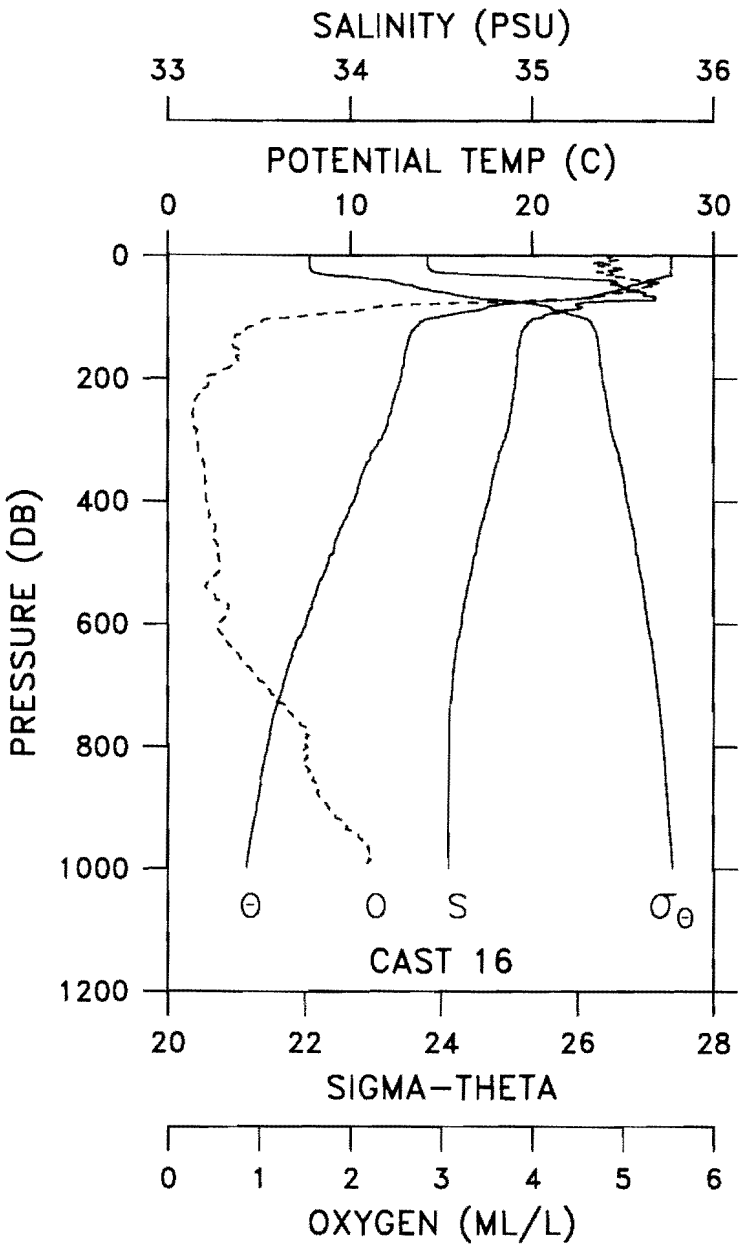
CAST EP1-87-RS -015 DATE 02 MAY 87 TIME 0251 GMT
LAT 03 59.5S LONG 110 01.6W WEATHER 2 SEA STATE 2
BAROMETER 12 WIND DIR 125 T SPD 12 KT VISIBILITY 7
CLOUD X AMOUNT DRY 27.5 WET 25.5 DEPTH 3688 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.074	34.346	4.86	21.881	0.000
10	28.058	34.347	4.63	21.887	0.059
20	28.001	34.346	4.92	21.905	0.118
30	27.366	34.727	5.21	22.397	0.177
40	25.553	35.476	5.40	23.533	0.225
50	24.349	35.421	5.11	23.858	0.267
60	22.238	35.303	4.54	24.382	0.305
70	19.966	35.190	3.77	24.917	0.338
80	17.304	35.083	2.36	25.506	0.366
90	15.874	35.017	1.79	25.790	0.389
100	14.858	35.014	1.57	26.015	0.410
110	14.465	35.003	1.54	26.092	0.430
120	14.028	34.990	1.53	26.175	0.449
130	13.865	34.975	1.62	26.196	0.467
140	13.655	34.964	1.82	26.232	0.486
150	13.538	34.957	1.79	26.251	0.504
160	13.425	34.948	1.79	26.267	0.522
170	13.359	34.943	1.77	26.277	0.540
180	13.266	34.937	1.70	26.291	0.557
190	13.180	34.926	1.71	26.300	0.575
200	13.062	34.923	1.60	26.322	0.593
250	12.663	34.905	0.46	26.387	0.679
300	11.941	34.869	0.29	26.499	0.762
350	11.092	34.818	0.36	26.617	0.839
400	10.460	34.776	0.24	26.698	0.913
450	9.357	34.712	0.35	26.835	0.981
500	8.570	34.667	0.53	26.926	1.044
550	7.624	34.618	0.49	27.029	1.102
600	6.957	34.586	0.70	27.099	1.157
650	6.359	34.563	1.14	27.161	1.208
700	5.919	34.547	1.69	27.205	1.256
750	5.654	34.544	1.85	27.236	1.303
800	5.336	34.538	2.02	27.270	1.349
900	4.803	34.538	2.23	27.332	1.435
1000	4.303	34.549	2.17	27.395	1.516
1008	4.289	34.549	2.15	27.397	1.522

CAST EP1-87-RS -016 DATE 02 MAY 87 TIME 0900 GMT

LAT 05 00.6S LONG 110 01.6W



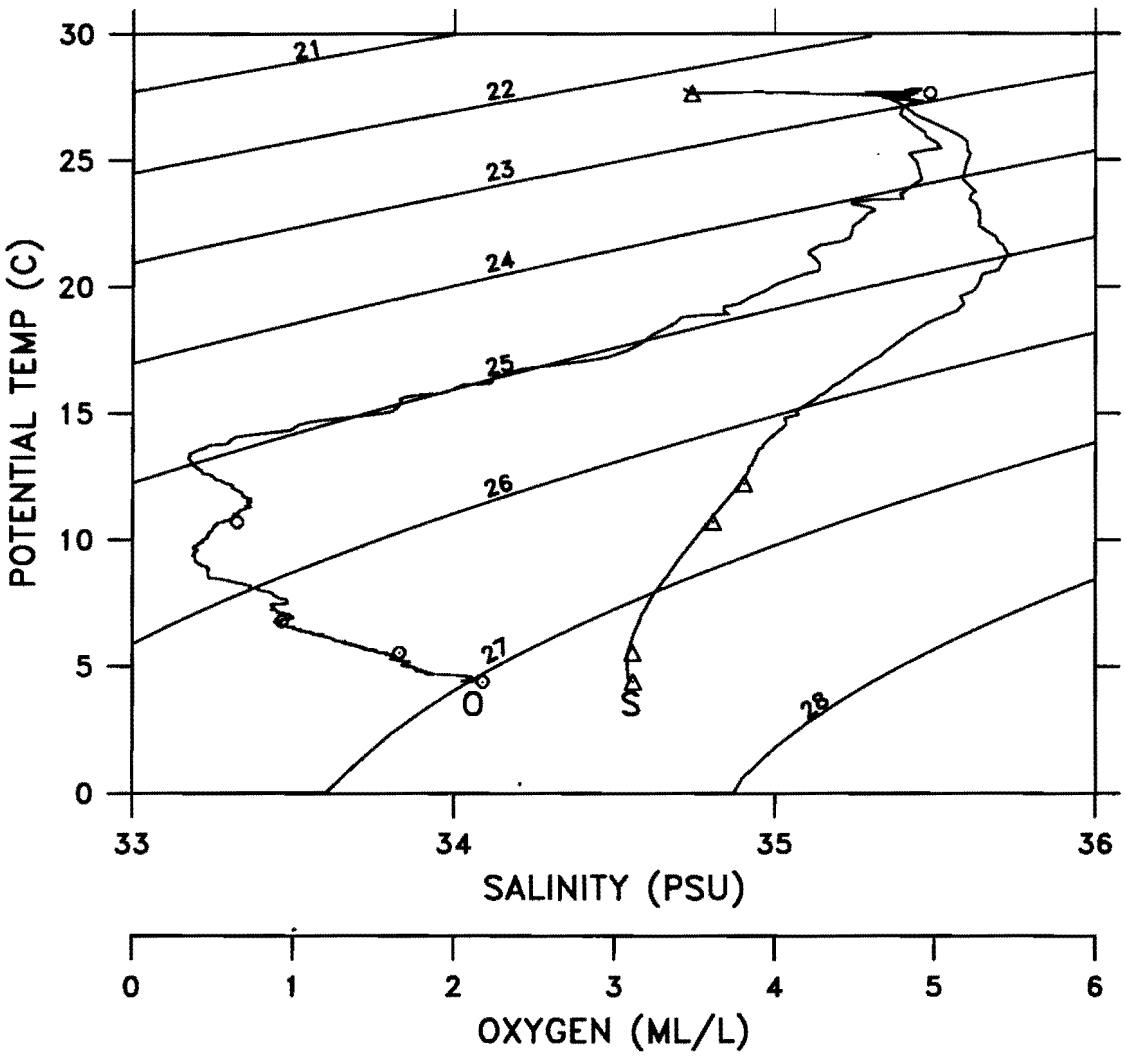


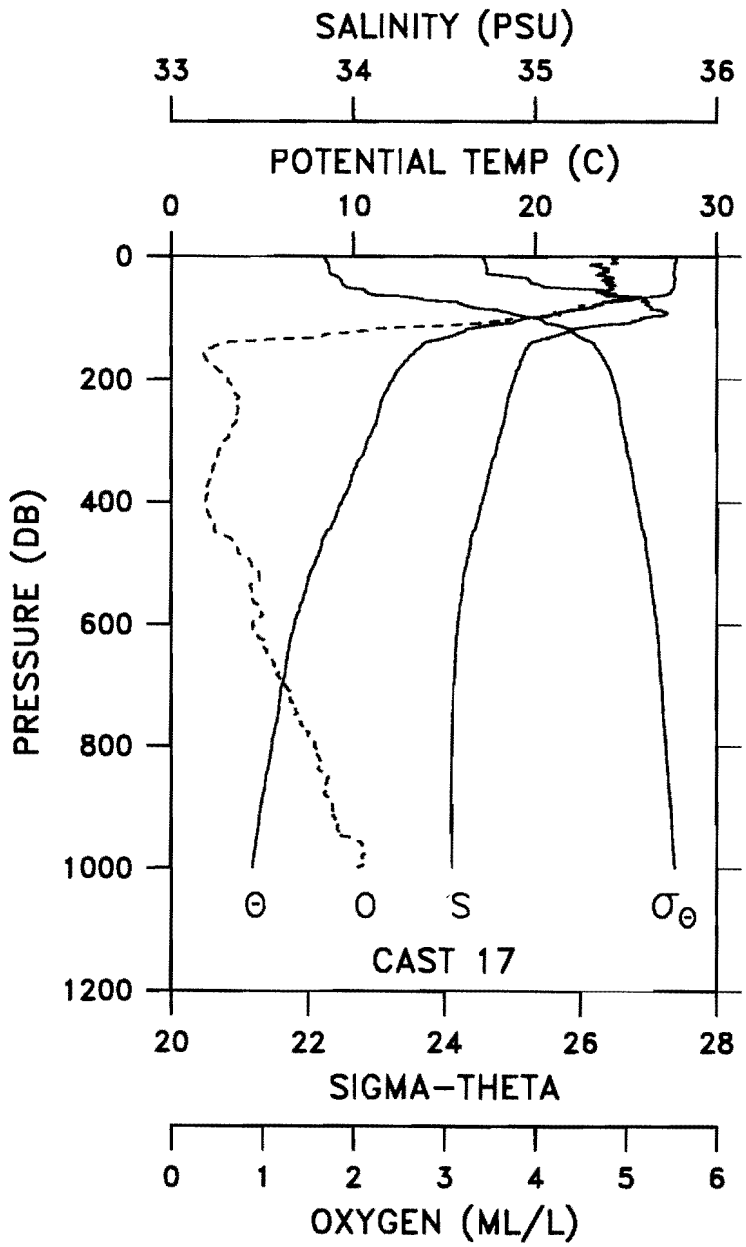
CAST EP1-87-RS -016 DATE 02 MAY 87 TIME 0900 GMT
LAT 05 00.6S LONG 110 01.6W WEATHER 0 SEA STATE 2
BAROMETER 11 WIND DIR 140 T SPD 15 KT VISIBILITY 7
CLOUD X AMOUNT 1 DRY 27.1 WET 24.5 DEPTH 3620 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.668	34.428	4.91	22.074	0.000
10	27.668	34.427	4.80	22.074	0.057
20	27.663	34.435	4.90	22.082	0.115
30	27.661	34.607	4.87	22.212	0.172
40	26.482	35.381	5.16	23.171	0.224
50	25.369	35.492	5.28	23.602	0.269
60	24.208	35.618	5.07	24.049	0.310
70	22.585	35.669	4.50	24.562	0.347
80	18.139	35.244	2.58	25.425	0.376
90	16.863	35.133	2.09	25.650	0.400
100	14.916	35.061	1.41	26.038	0.422
110	13.826	34.978	0.98	26.207	0.441
120	13.535	34.954	0.86	26.249	0.459
130	13.311	34.941	0.74	26.285	0.477
140	13.192	34.931	0.71	26.302	0.494
150	13.115	34.926	0.72	26.313	0.512
160	13.027	34.920	0.81	26.326	0.529
170	12.983	34.917	0.76	26.333	0.546
180	12.939	34.916	0.69	26.340	0.564
190	12.839	34.913	0.56	26.358	0.581
200	12.776	34.911	0.45	26.369	0.598
250	12.286	34.887	0.28	26.446	0.681
300	11.702	34.850	0.31	26.530	0.762
350	10.754	34.794	0.40	26.660	0.837
400	10.199	34.761	0.43	26.731	0.908
450	9.400	34.712	0.51	26.828	0.976
500	8.795	34.677	0.57	26.898	1.040
550	8.139	34.640	0.49	26.971	1.100
600	7.566	34.612	0.55	27.033	1.158
650	6.828	34.579	0.77	27.111	1.212
700	6.341	34.562	1.07	27.163	1.263
750	5.804	34.548	1.37	27.221	1.312
800	5.464	34.544	1.53	27.259	1.358
900	4.857	34.542	1.77	27.328	1.446
1000	4.322	34.546	2.20	27.391	1.527
1007	4.291	34.548	2.19	27.396	1.532

CAST EP1-87-RS -017 DATE 02 MAY 87 TIME 2224 GMT

LAT 05 59.8S LONG 110 00.4W



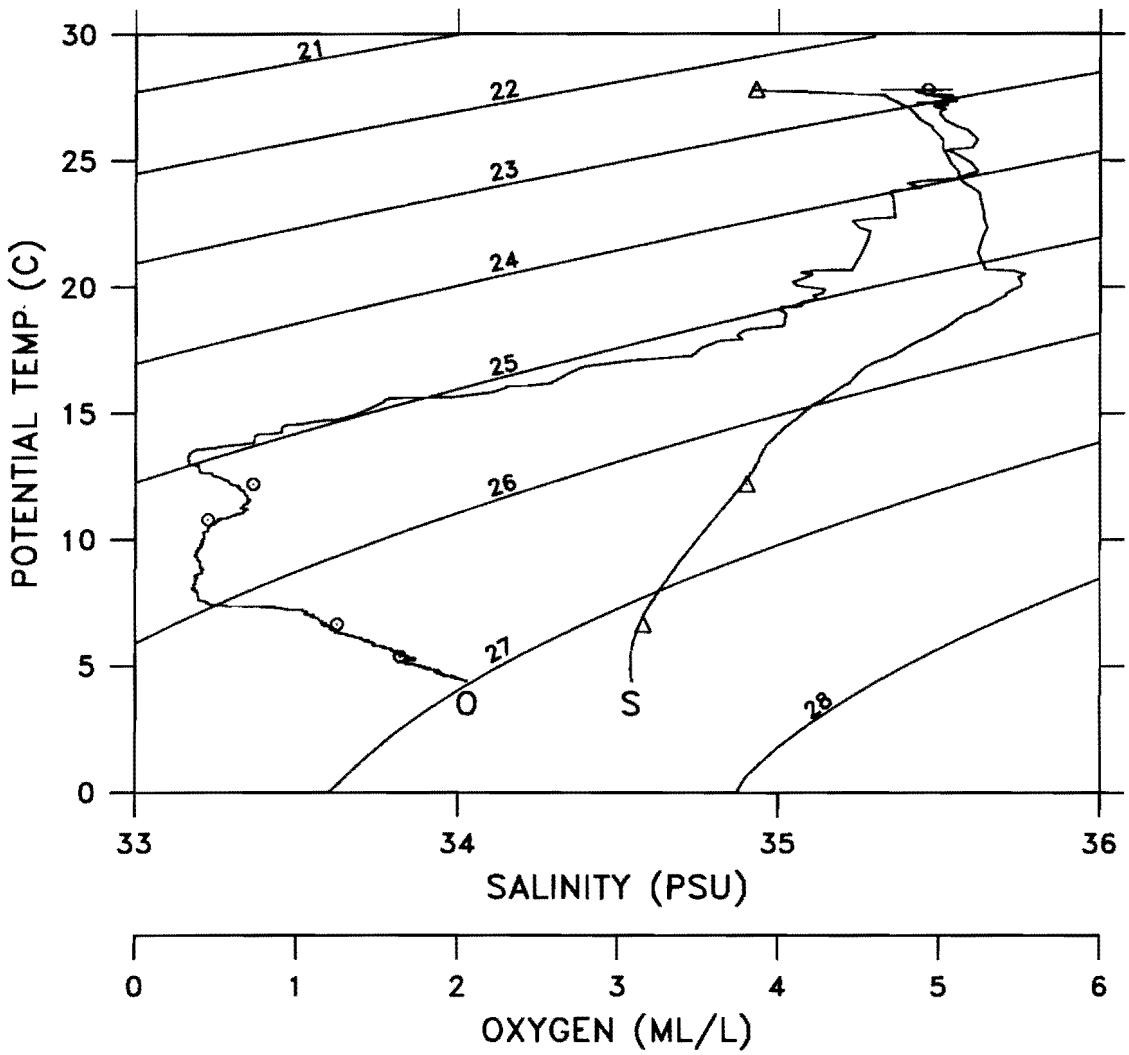


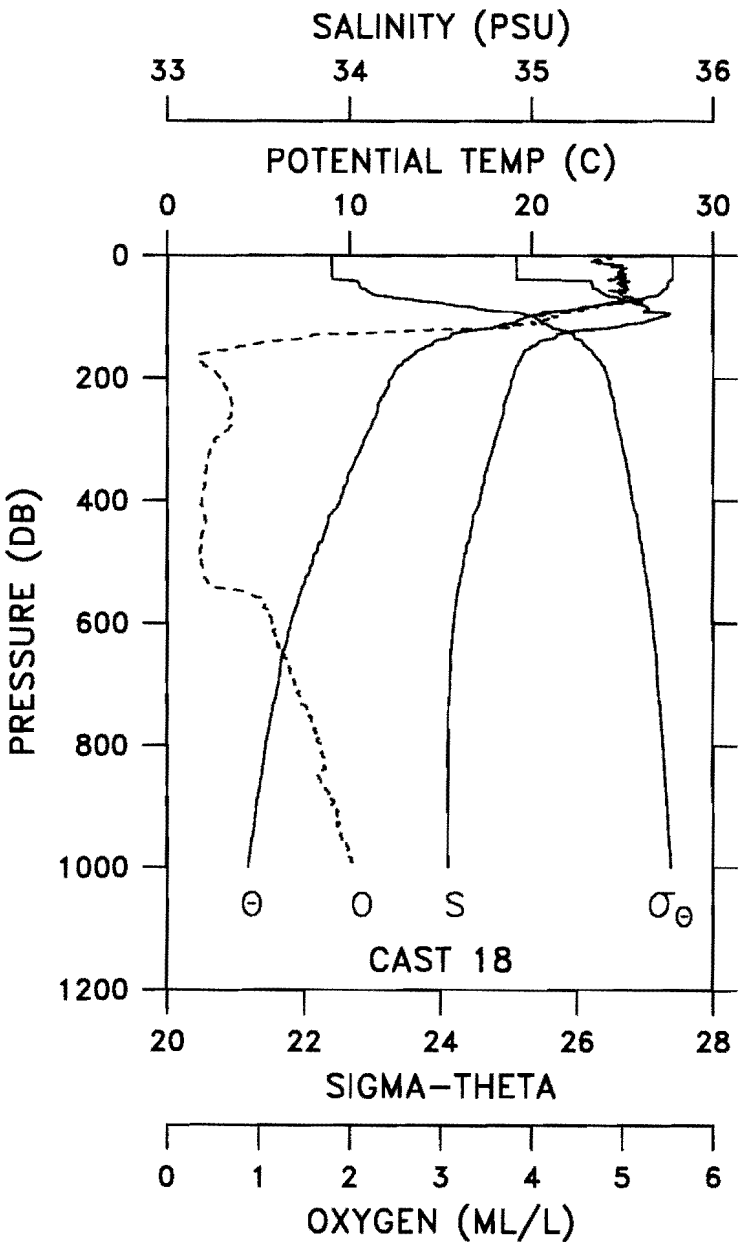
CAST EP1-87-RS -017 DATE 02 MAY 87 TIME 2224 GMT
LAT 05 59.8S LONG 110 00.4W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 118 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 27.8 WET 24.0 DEPTH 3414 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.813	34.714	4.91	22.243	0.000
10	27.741	34.722	4.91	22.272	0.056
20	27.664	34.736	4.83	22.307	0.111
30	27.640	34.792	4.70	22.358	0.166
40	27.656	34.973	4.85	22.488	0.220
50	27.642	35.060	4.89	22.559	0.274
60	27.365	35.367	4.85	22.879	0.325
70	25.357	35.603	4.94	23.689	0.371
80	23.319	35.625	4.48	24.317	0.409
90	21.626	35.712	4.28	24.865	0.443
100	19.612	35.580	3.85	25.307	0.472
110	18.114	35.417	3.23	25.564	0.498
120	16.157	35.195	2.17	25.862	0.521
130	15.326	35.096	1.66	25.974	0.542
140	13.982	34.980	0.61	26.176	0.562
150	13.588	34.946	0.42	26.232	0.580
160	13.175	34.936	0.35	26.309	0.598
170	12.852	34.917	0.40	26.359	0.615
180	12.590	34.912	0.48	26.406	0.632
190	12.334	34.895	0.56	26.444	0.648
200	12.159	34.887	0.62	26.471	0.664
250	11.406	34.837	0.73	26.575	0.742
300	10.769	34.796	0.58	26.658	0.816
350	10.028	34.749	0.45	26.752	0.887
400	9.370	34.709	0.39	26.830	0.953
450	8.494	34.657	0.49	26.930	1.016
500	7.895	34.623	0.87	26.994	1.075
550	7.319	34.597	0.87	27.057	1.130
600	6.754	34.575	0.89	27.118	1.183
650	6.390	34.561	1.06	27.156	1.234
700	6.078	34.553	1.25	27.190	1.284
750	5.842	34.547	1.36	27.215	1.331
800	5.506	34.540	1.57	27.251	1.378
900	4.885	34.540	1.77	27.324	1.467
1000	4.418	34.545	2.05	27.380	1.549
1008	4.381	34.546	2.12	27.385	1.555

CAST EP1-87-RS -018 DATE 03 MAY 87 TIME 0413 GMT

LAT 06 59.8S LONG 110 00.4W



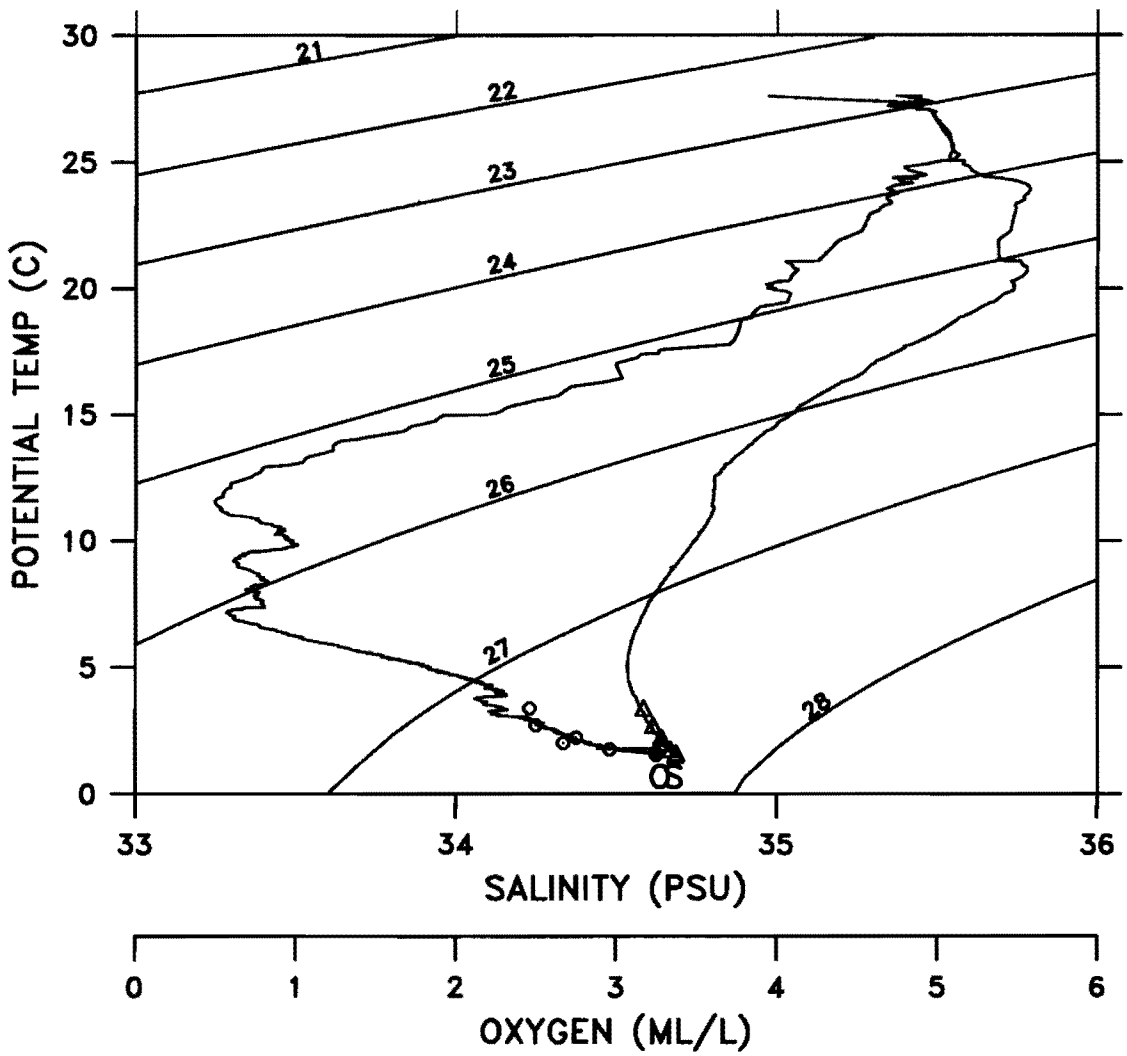


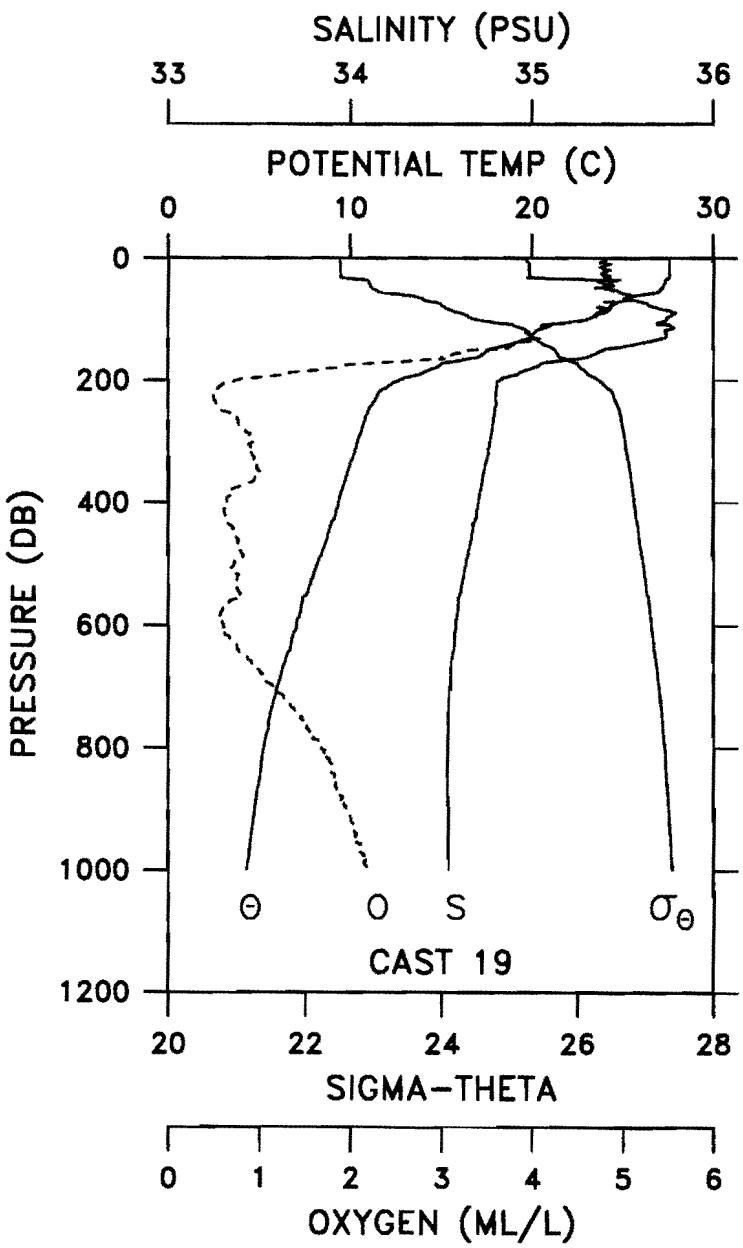
CAST EP1-87-RS -018 DATE 03 MAY 87 TIME 0413 GMT
LAT 06 59.8S LONG 110 00.4W WEATHER 2 SEA STATE 3
BAROMETER 11 WIND DIR 100 T SPD 14 KT VISIBILITY 7
CLOUD X AMOUNT DRY 27.0 WET 26.4 DEPTH 3523 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.788	34.918	4.84	22.404	0.000
10	27.788	34.919	4.64	22.405	0.054
20	27.787	34.919	5.07	22.405	0.109
30	27.788	34.919	5.08	22.405	0.163
40	27.690	35.069	4.86	22.550	0.217
50	27.501	35.338	5.01	22.813	0.268
60	27.181	35.384	5.05	22.951	0.318
70	26.197	35.480	5.17	23.336	0.366
80	23.908	35.602	4.89	24.126	0.407
90	21.856	35.631	4.55	24.740	0.443
100	19.740	35.706	4.27	25.370	0.471
110	19.023	35.608	4.03	25.482	0.497
120	17.274	35.356	3.46	25.723	0.521
130	15.574	35.142	1.60	25.955	0.543
140	14.691	35.047	1.15	26.076	0.563
150	14.157	34.994	0.77	26.150	0.582
160	13.576	34.956	0.42	26.242	0.601
170	13.171	34.940	0.33	26.312	0.619
180	12.675	34.921	0.40	26.397	0.636
190	12.453	34.906	0.53	26.429	0.652
200	12.302	34.897	0.58	26.451	0.669
250	11.548	34.848	0.70	26.557	0.747
300	10.815	34.800	0.51	26.653	0.822
350	10.081	34.753	0.43	26.746	0.893
400	9.482	34.716	0.38	26.817	0.959
450	8.643	34.665	0.40	26.913	1.022
500	7.968	34.628	0.37	26.987	1.082
550	7.310	34.595	0.86	27.056	1.138
600	6.761	34.572	1.14	27.115	1.191
650	6.297	34.557	1.25	27.165	1.242
700	6.083	34.552	1.40	27.188	1.291
750	5.701	34.544	1.56	27.230	1.338
800	5.381	34.540	1.67	27.266	1.384
900	4.870	34.540	1.82	27.326	1.472
1000	4.421	34.544	2.06	27.379	1.554
1007	4.385	34.544	2.05	27.383	1.560

CAST EP1-87-RS -019 DATE 03 MAY 87 TIME 1324 GMT

LAT 08 20.2S LONG 109 17.0W



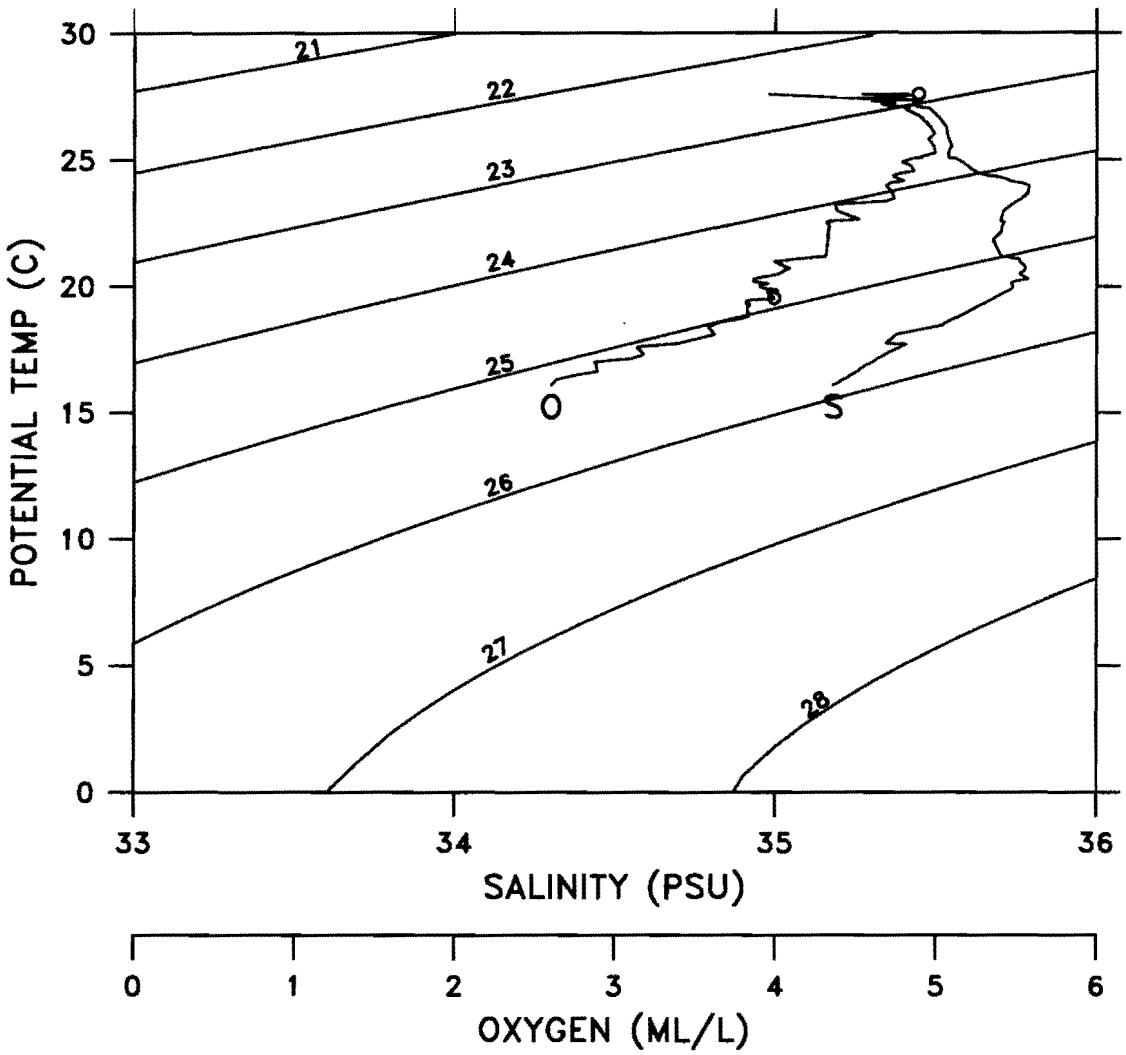


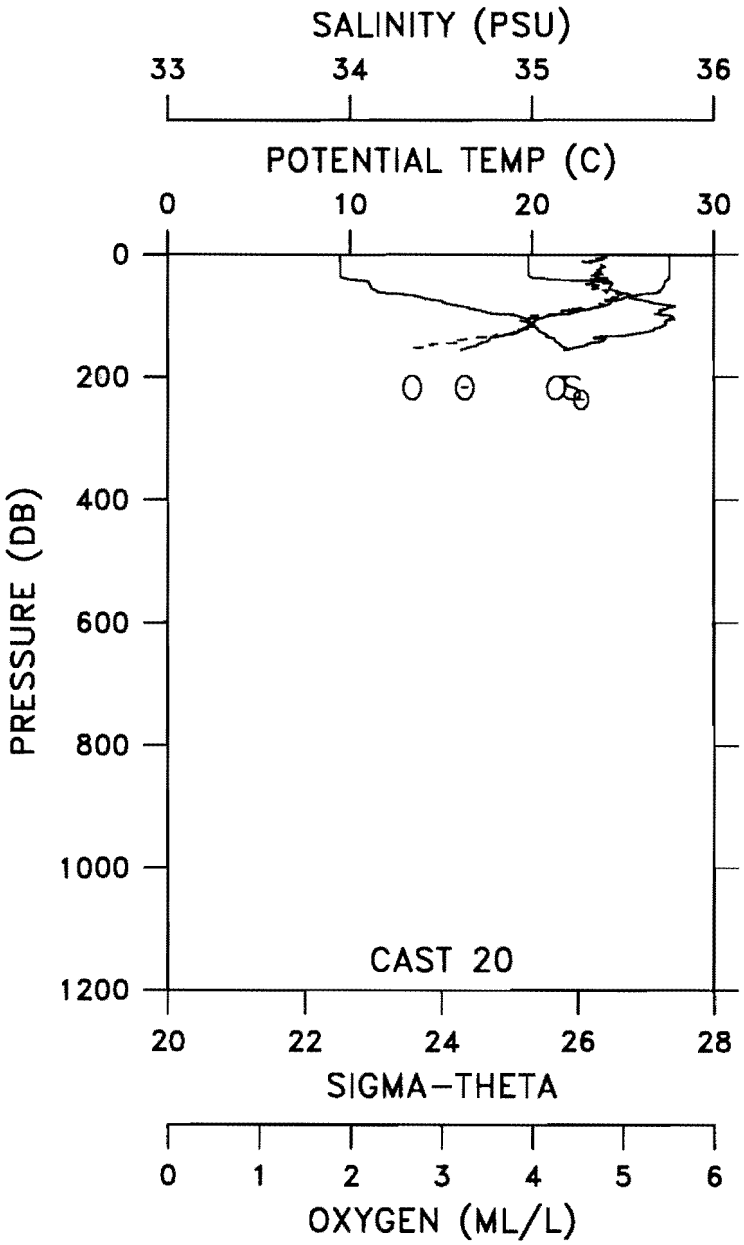
CAST EP1-87-RS -019 DATE 03 MAY 87 TIME 1324 GMT
LAT 08 20.2S LONG 109 17.0W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 110 T SPD 18 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.0 WET 24.2 DEPTH 3223 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.584	34.974	4.81	22.513	0.000
10	27.585	34.986	4.87	22.521	0.053
20	27.583	34.986	4.90	22.522	0.106
30	27.576	34.993	4.89	22.529	0.160
40	27.330	35.441	4.77	22.946	0.211
50	27.177	35.429	4.70	22.986	0.260
60	26.070	35.540	5.05	23.421	0.307
70	25.040	35.583	5.03	23.772	0.350
80	24.365	35.671	4.73	24.042	0.390
90	23.909	35.791	4.69	24.269	0.428
100	23.064	35.745	4.64	24.481	0.464
110	21.039	35.761	4.06	25.064	0.496
120	20.186	35.738	3.96	25.277	0.524
130	19.914	35.735	4.01	25.346	0.551
140	18.903	35.582	3.84	25.492	0.577
150	17.623	35.396	3.40	25.669	0.602
160	17.172	35.324	3.08	25.722	0.625
170	15.575	35.106	2.51	25.927	0.647
180	14.640	35.002	1.79	26.053	0.668
190	13.838	34.924	1.24	26.163	0.687
200	12.690	34.826	0.78	26.320	0.706
250	11.006	34.797	0.60	26.617	0.784
300	10.416	34.770	0.92	26.701	0.856
350	9.831	34.735	1.01	26.774	0.925
400	9.329	34.705	0.65	26.834	0.990
450	8.759	34.670	0.74	26.898	1.054
500	8.178	34.636	0.72	26.961	1.114
550	7.574	34.602	0.79	27.024	1.172
600	7.036	34.582	0.60	27.084	1.226
650	6.498	34.562	0.86	27.142	1.279
700	5.970	34.547	1.15	27.199	1.328
750	5.568	34.539	1.48	27.242	1.375
800	5.243	34.536	1.68	27.279	1.420
900	4.742	34.537	1.95	27.338	1.506
1000	4.307	34.542	2.20	27.390	1.587
1500	2.930	34.593	2.45	27.567	1.937
2000	2.120	34.641	2.74	27.675	2.220
2500	1.679	34.670	3.11	27.732	2.466
3000	1.563	34.678	3.25	27.748	2.699
3109	1.540	34.679	3.27	27.750	2.751

CAST EP1-87-RS -020 DATE 03 MAY 87 TIME 1607 GMT

LAT 08 20.1S LONG 109 17.1W



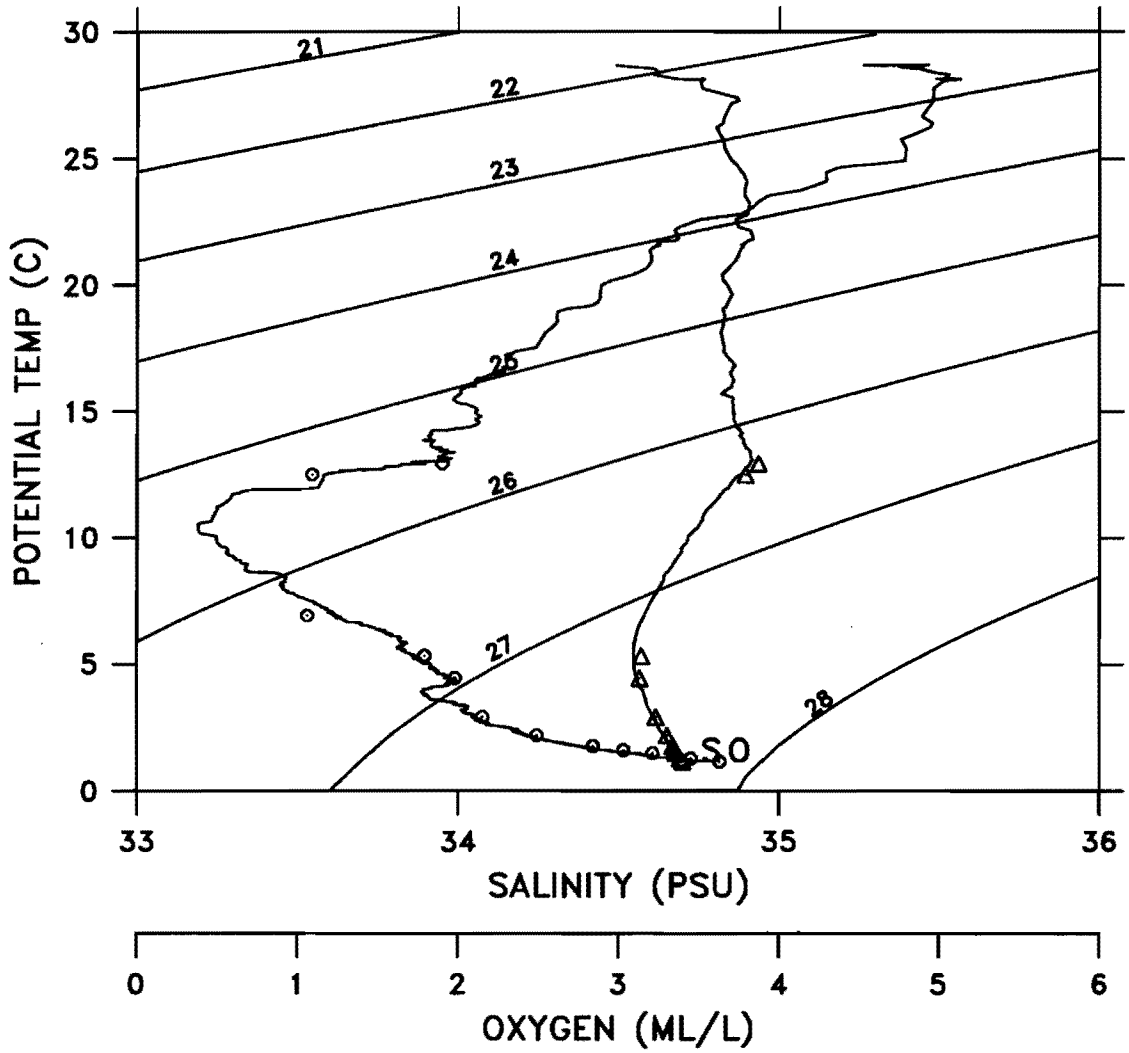


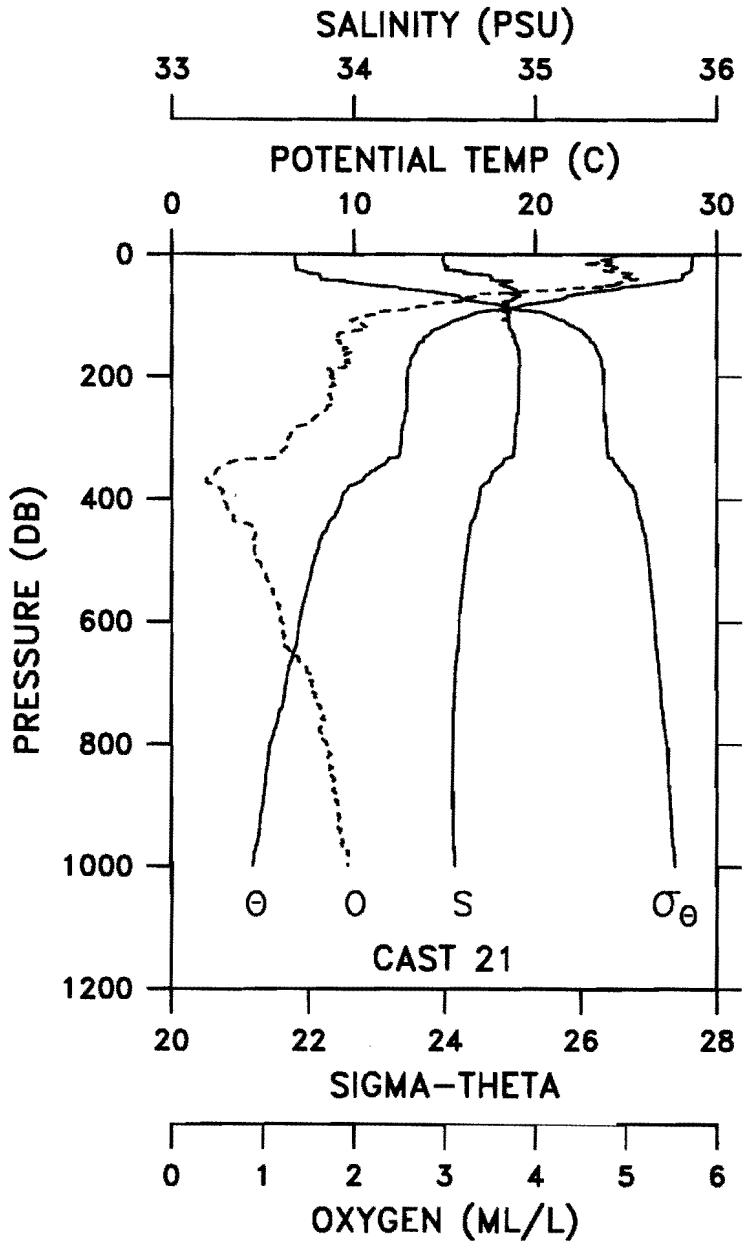
CAST EP1-87-RS -020 DATE 03 MAY 87 TIME 1607 GMT
LAT 08 20.1S LONG 109 17.1W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 110 T SPD 15 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 28.0 WET 24.0 DEPTH 3274 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.593	34.980	4.80	22.515	0.000
10	27.582	34.980	4.74	22.517	0.053
20	27.575	34.980	4.80	22.520	0.106
30	27.574	34.980	4.72	22.520	0.160
40	27.500	35.097	4.69	22.633	0.213
50	27.282	35.437	4.73	22.958	0.263
60	27.043	35.467	4.83	23.058	0.312
70	25.088	35.538	4.89	23.723	0.357
80	24.311	35.692	4.74	24.074	0.397
90	22.982	35.709	4.38	24.478	0.433
100	20.967	35.759	3.99	25.083	0.466
110	20.111	35.734	3.95	25.294	0.493
120	19.587	35.688	3.98	25.397	0.520
130	18.717	35.556	3.78	25.520	0.546
140	17.643	35.391	3.19	25.660	0.570
150	16.848	35.276	2.88	25.763	0.593
156	16.088	35.177	2.60	25.865	0.607

CAST EP1-87-RS -021 DATE 05 MAY 87 TIME 1449 GMT

LAT 00 54.0N LONG 112 57.6W



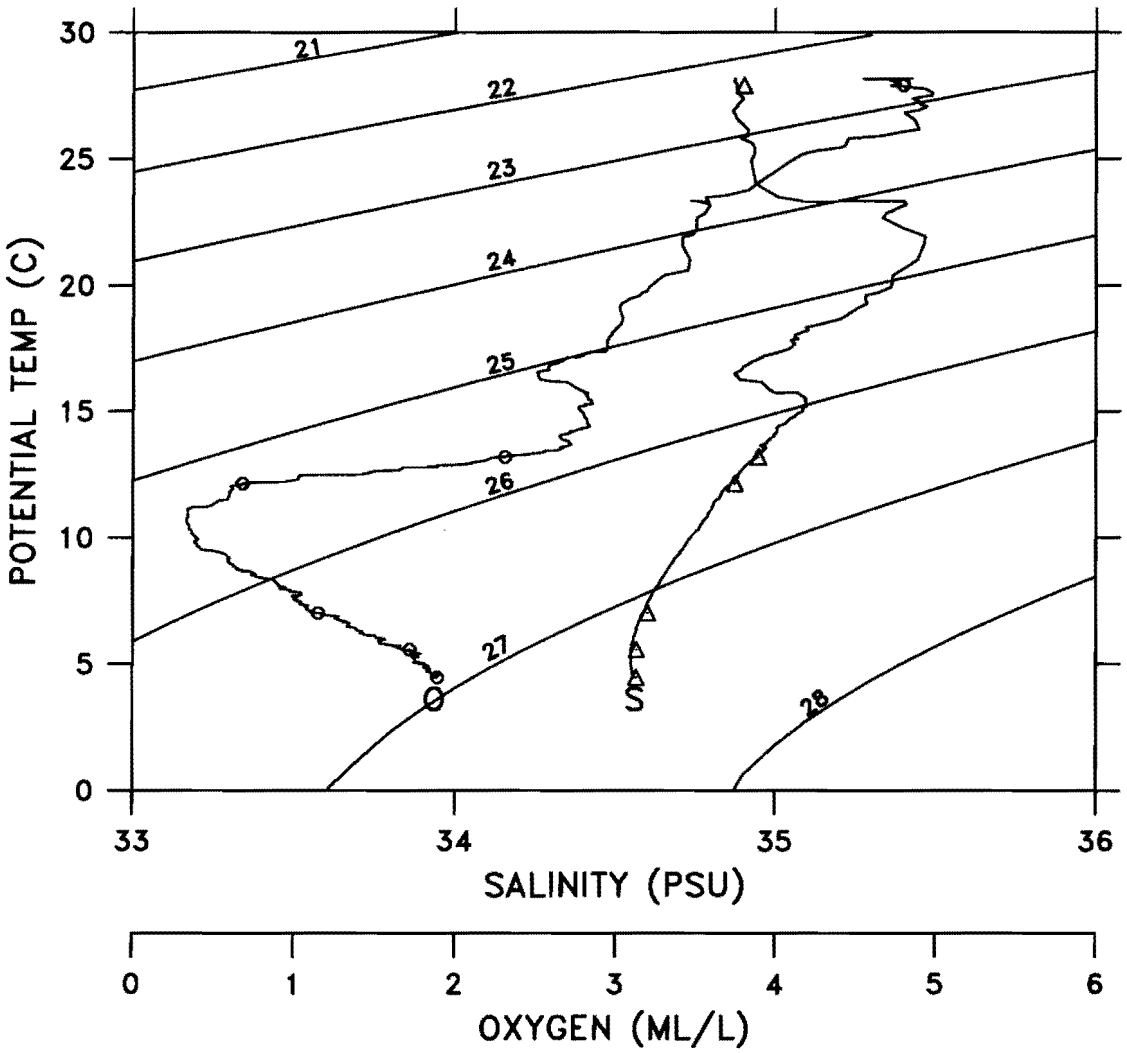


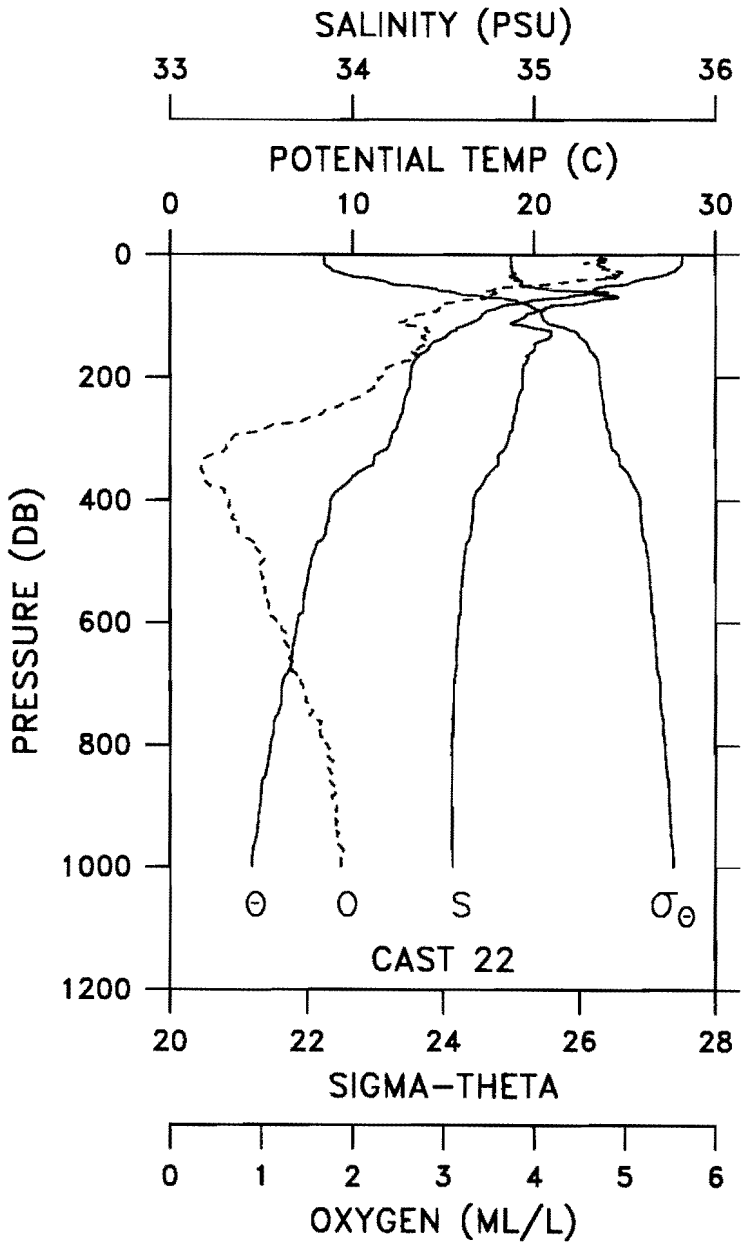
CAST EP1-87-RS -021 DATE 05 MAY 87 TIME 1449 GMT
LAT 00 54.0N LONG 112 57.6W WEATHER 1 SEA STATE 4
BAROMETER 09 WIND DIR 100 T SPD 10 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 29.0 WET 25.5 DEPTH 3922 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.663	34.493	4.93	21.797	0.000
10	28.650	34.491	4.77	21.800	0.060
20	28.610	34.519	4.87	21.834	0.120
30	28.348	34.615	4.98	21.993	0.180
40	28.092	34.766	5.14	22.191	0.236
50	25.983	34.813	4.85	22.899	0.289
60	23.536	34.890	3.93	23.697	0.335
70	21.710	34.898	3.26	24.222	0.374
80	19.992	34.838	2.89	24.641	0.410
90	18.384	34.824	2.59	25.043	0.441
100	16.376	34.852	2.18	25.548	0.467
110	15.395	34.853	1.98	25.772	0.491
120	14.738	34.857	2.13	25.919	0.513
130	14.208	34.878	1.83	26.050	0.533
140	13.833	34.888	1.79	26.136	0.552
150	13.492	34.903	1.87	26.218	0.571
160	13.375	34.911	1.98	26.248	0.589
170	13.147	34.913	1.90	26.296	0.607
180	13.113	34.915	1.89	26.305	0.625
190	12.970	34.910	1.75	26.330	0.642
200	12.938	34.909	1.74	26.336	0.660
250	12.905	34.908	1.71	26.341	0.747
300	12.624	34.889	1.28	26.382	0.833
350	11.235	34.784	0.51	26.565	0.917
400	9.331	34.689	0.57	26.821	0.987
450	8.496	34.640	0.92	26.916	1.050
500	7.829	34.617	0.93	26.999	1.109
550	7.404	34.597	1.12	27.045	1.165
600	7.003	34.582	1.21	27.089	1.219
650	6.662	34.569	1.30	27.126	1.272
700	6.267	34.557	1.54	27.168	1.322
750	5.870	34.548	1.66	27.212	1.371
800	5.390	34.546	1.70	27.270	1.418
900	4.995	34.547	1.83	27.317	1.505
1000	4.444	34.556	1.93	27.386	1.588
1500	2.919	34.608	2.11	27.580	1.929
2000	2.170	34.642	2.43	27.671	2.210
2500	1.762	34.662	2.74	27.719	2.459
3000	1.485	34.675	3.07	27.751	2.694
3500	1.243	34.689	3.41	27.779	2.920
3789	1.152	34.693	3.55	27.789	3.045

CAST EP1-87-RS -022 DATE 06 MAY 87 TIME 0224 GMT

LAT 00 00.1N LONG 114 59.5W



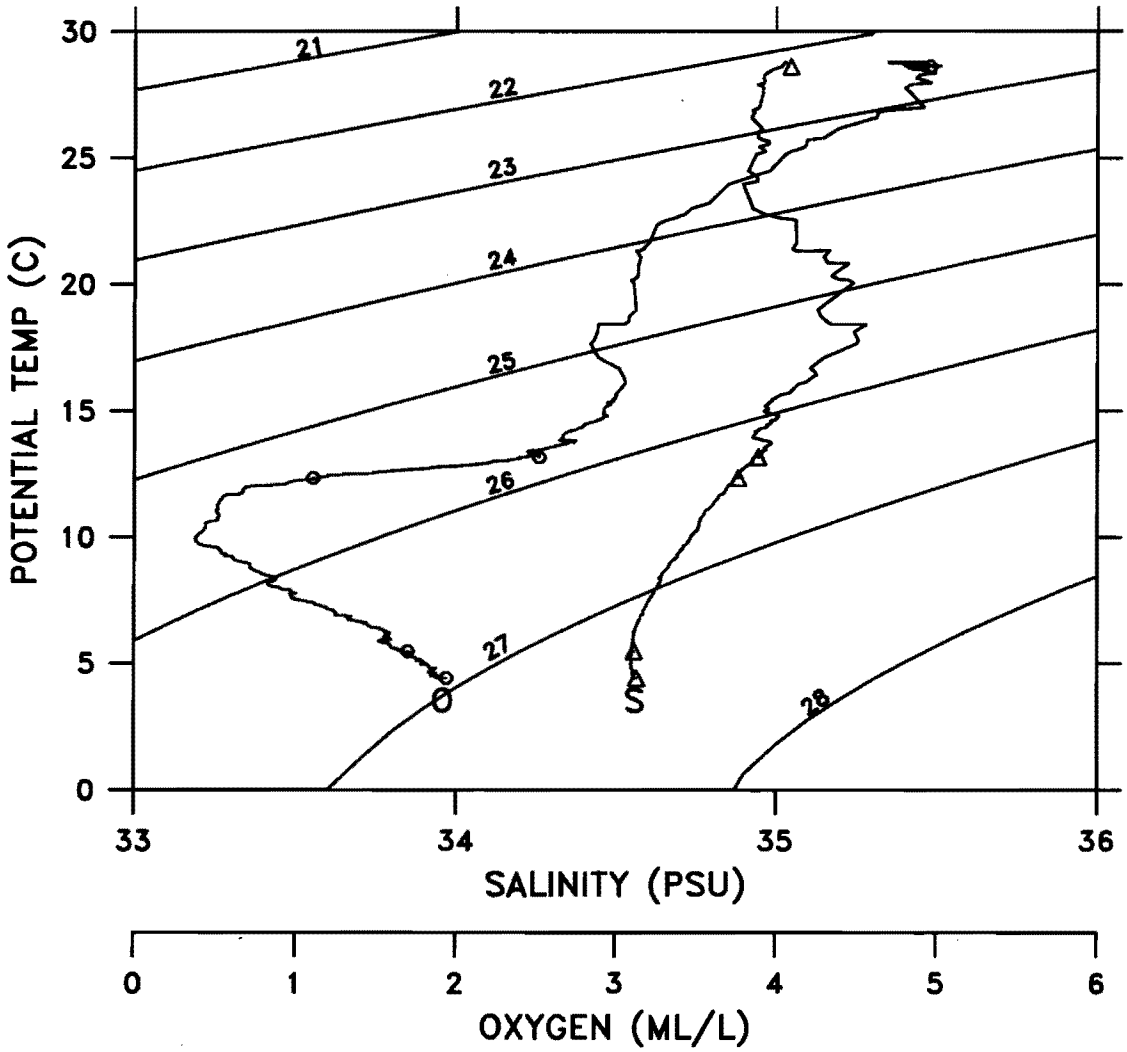


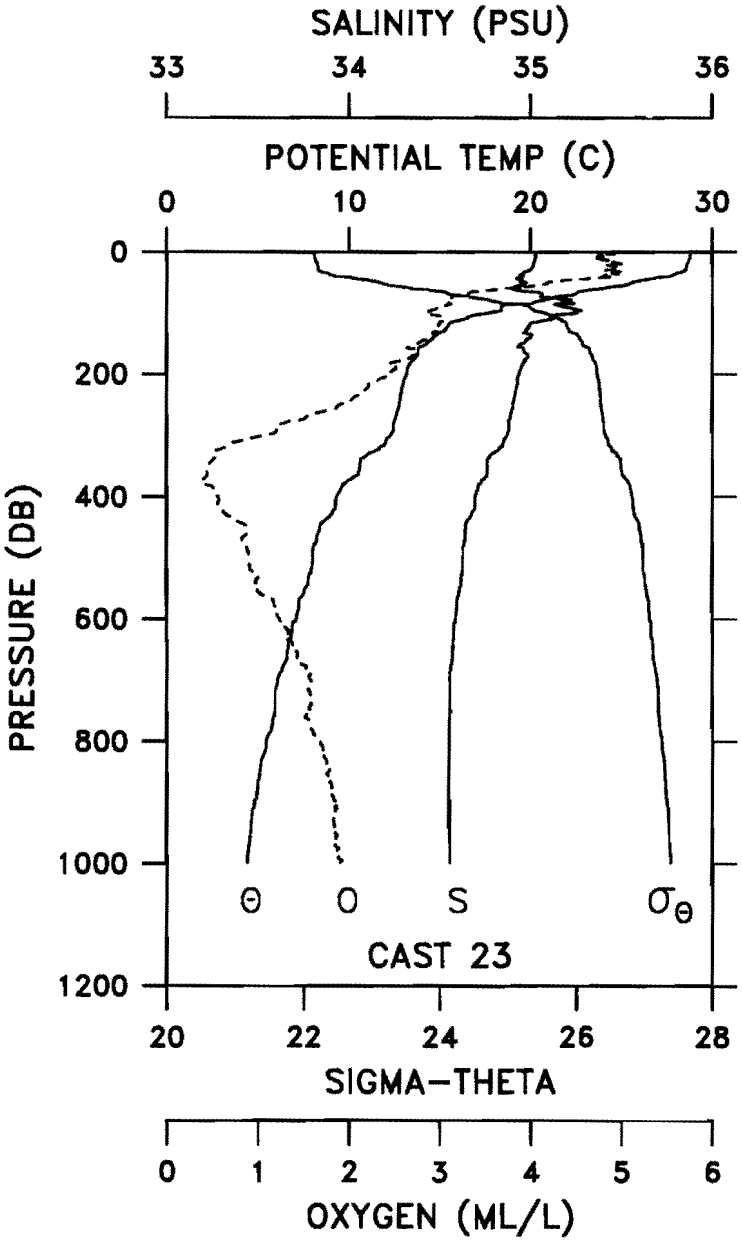
CAST EP1-87-RS -022 DATE 06 MAY 87 TIME 0224 GMT
LAT 00 00.1N LONG 114 59.5W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 105 T SPD 12 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 27.8 WET 25.5 DEPTH 4051 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.172	34.872	4.73	22.244	0.000
10	28.156	34.873	4.71	22.250	0.056
20	27.955	34.879	4.78	22.320	0.111
30	27.458	34.892	4.93	22.492	0.166
40	25.894	34.912	4.66	23.002	0.218
50	24.460	34.930	3.99	23.453	0.265
60	23.323	35.373	3.47	24.124	0.306
70	21.582	35.462	3.41	24.687	0.341
80	19.102	35.258	3.02	25.193	0.371
90	17.670	35.061	2.95	25.400	0.398
100	17.119	34.952	2.69	25.450	0.423
110	16.594	34.890	2.54	25.526	0.449
120	15.723	35.009	2.82	25.818	0.472
130	15.259	35.097	2.81	25.990	0.493
140	14.694	35.044	2.82	26.073	0.514
150	14.257	35.007	2.76	26.139	0.533
160	13.872	34.981	2.67	26.200	0.552
170	13.515	34.969	2.65	26.265	0.570
180	13.290	34.944	2.45	26.292	0.588
190	13.242	34.939	2.36	26.298	0.606
200	13.210	34.937	2.30	26.302	0.623
250	12.787	34.903	1.76	26.361	0.711
300	12.111	34.860	0.69	26.460	0.795
350	10.563	34.771	0.34	26.676	0.873
400	8.776	34.666	0.65	26.893	0.939
450	8.524	34.653	0.75	26.922	1.000
500	7.713	34.614	1.02	27.013	1.059
550	7.357	34.599	1.04	27.053	1.114
600	6.978	34.584	1.18	27.095	1.168
650	6.688	34.573	1.32	27.126	1.221
700	6.152	34.560	1.43	27.186	1.271
750	5.916	34.556	1.53	27.213	1.320
800	5.511	34.548	1.73	27.256	1.366
900	4.935	34.549	1.83	27.325	1.454
1000	4.493	34.555	1.88	27.379	1.536
1006	4.460	34.556	1.87	27.384	1.541

CAST EP1-87-RS -023 DATE 07 MAY 87 TIME 0123 GMT

LAT 00 01.0S LONG 120 00.9W



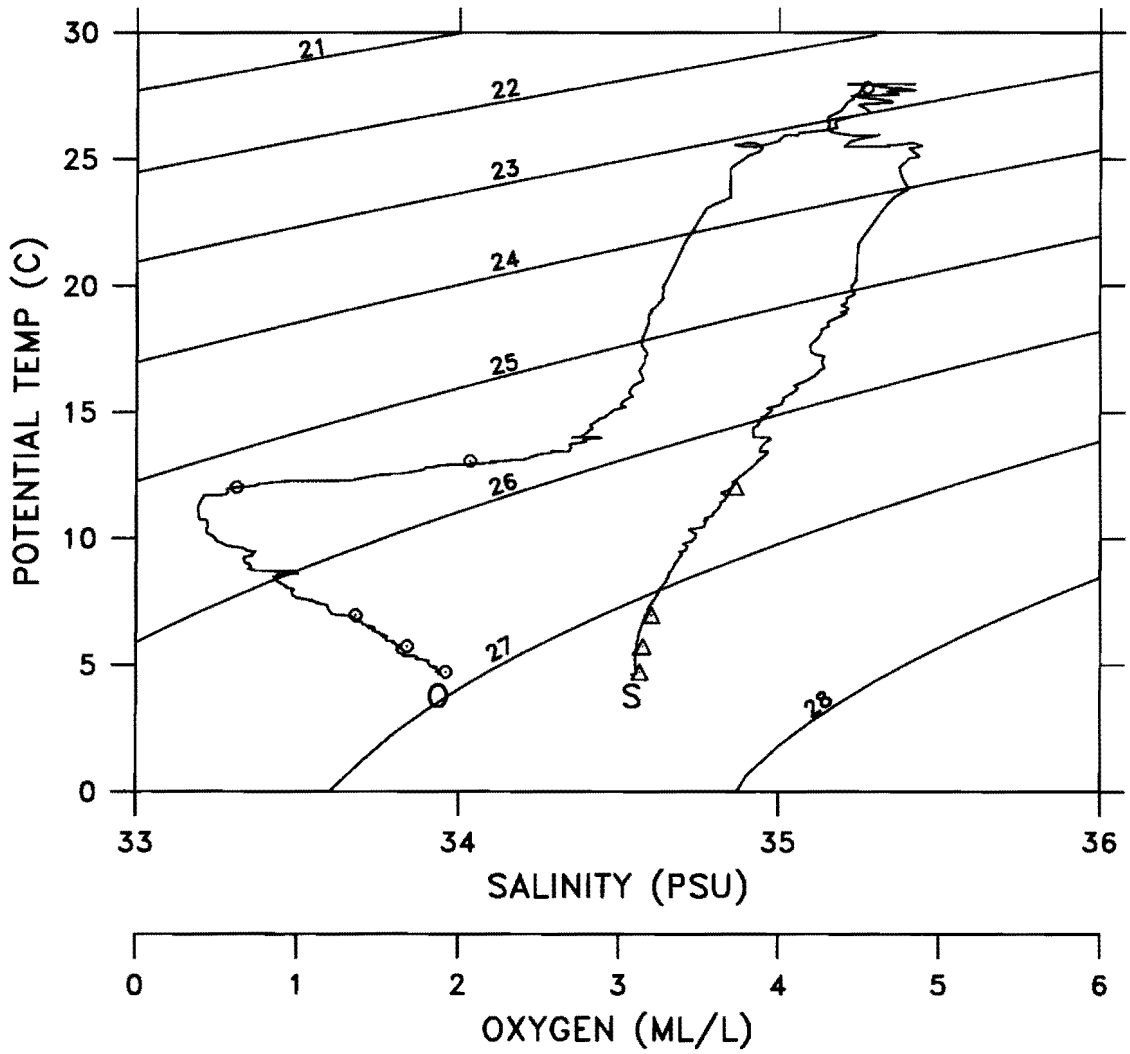


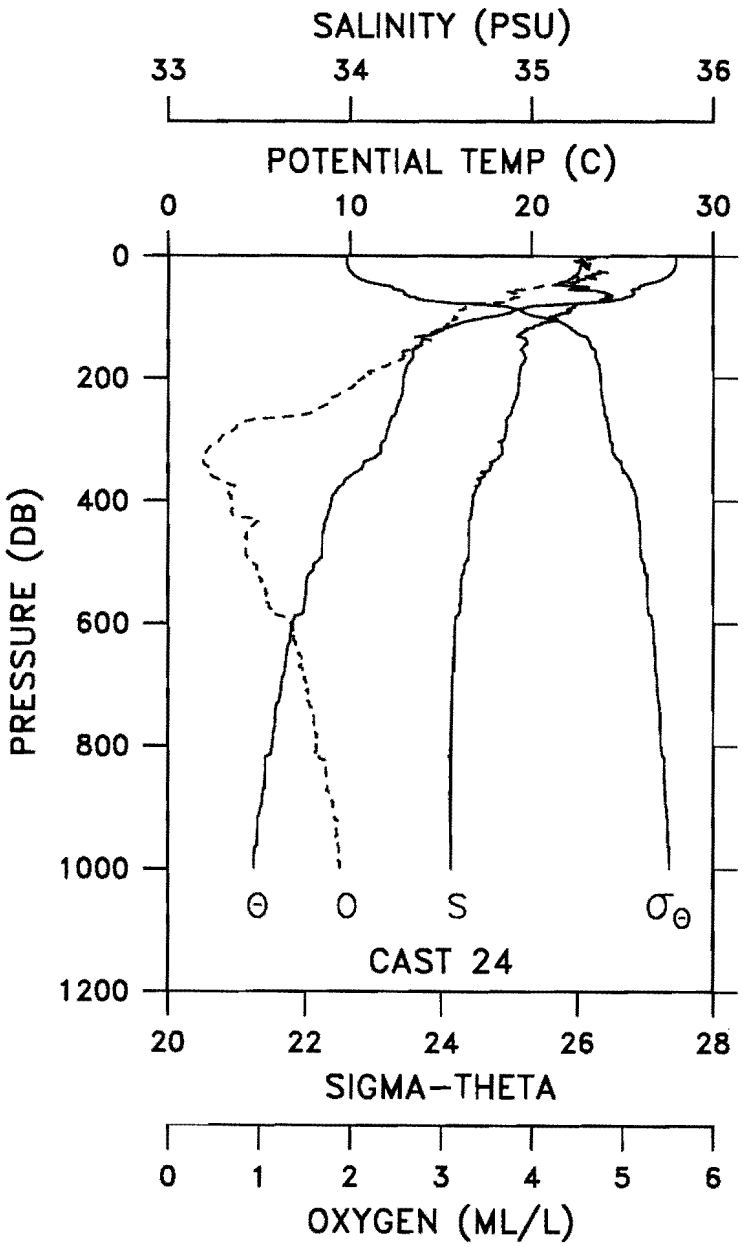
CAST EP1-87-RS -023 DATE 07 MAY 87 TIME 0123 GMT
LAT 00 01.0S LONG 120 00.9W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 080 T SPD 13 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 20.0 WET 26.0 DEPTH 4195 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.796	35.028	4.93	22.156	0.000
10	28.773	35.027	4.78	22.162	0.057
20	28.626	35.017	5.02	22.204	0.113
30	28.536	34.996	4.82	22.217	0.169
40	27.607	34.959	4.83	22.494	0.224
50	25.644	34.978	4.19	23.129	0.274
60	23.952	34.897	3.70	23.579	0.320
70	22.357	35.062	3.25	24.166	0.360
80	20.488	35.188	3.14	24.777	0.394
90	18.418	35.194	3.05	25.318	0.423
100	17.651	35.251	2.84	25.551	0.449
110	16.340	35.114	3.05	25.758	0.472
120	15.474	34.992	2.99	25.862	0.494
130	15.194	34.966	2.94	25.904	0.516
140	14.647	34.998	2.90	26.048	0.536
150	14.259	34.946	2.75	26.091	0.556
160	13.811	34.962	2.72	26.198	0.575
170	13.725	34.986	2.69	26.235	0.594
180	13.435	34.964	2.50	26.278	0.612
190	13.243	34.947	2.51	26.303	0.629
200	13.172	34.935	2.43	26.309	0.647
250	12.771	34.904	1.89	26.365	0.734
300	12.270	34.869	1.06	26.436	0.819
350	10.598	34.761	0.46	26.662	0.896
400	9.325	34.691	0.57	26.824	0.965
450	8.398	34.642	0.86	26.933	1.028
500	7.997	34.628	0.90	26.982	1.087
550	7.585	34.608	0.99	27.027	1.144
800	7.100	34.587	1.23	27.080	1.199
650	6.631	34.571	1.40	27.131	1.251
700	6.078	34.557	1.58	27.193	1.301
750	5.938	34.557	1.56	27.211	1.349
800	5.450	34.549	1.67	27.265	1.396
900	4.806	34.550	1.88	27.341	1.482
1000	4.416	34.556	1.91	27.389	1.563
1007	4.392	34.557	1.92	27.392	1.568

CAST EP1-87-RS -024 DATE 08 MAY 87 TIME 1135 GMT

LAT 00 04.2N LONG 124 26.3W



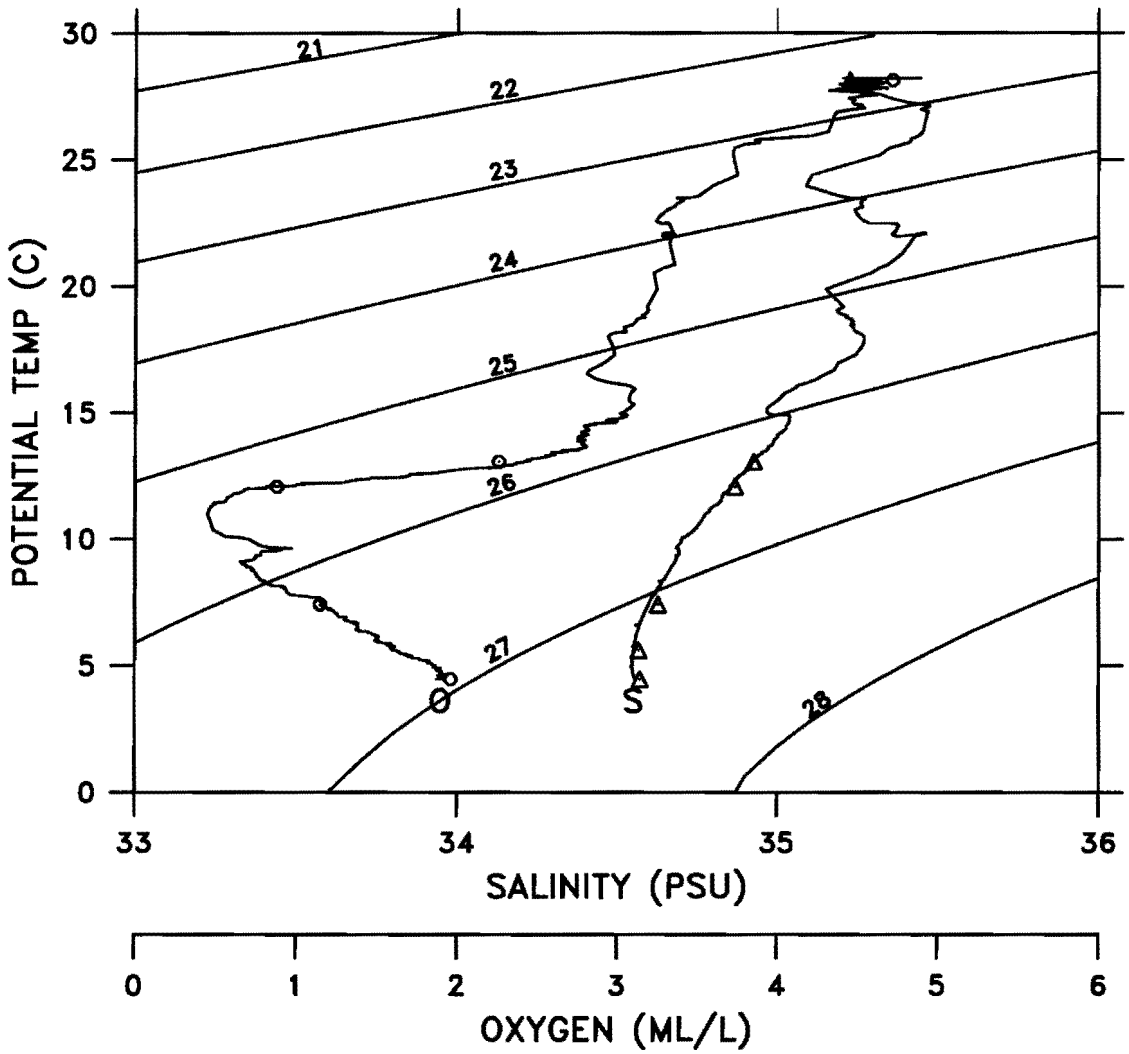


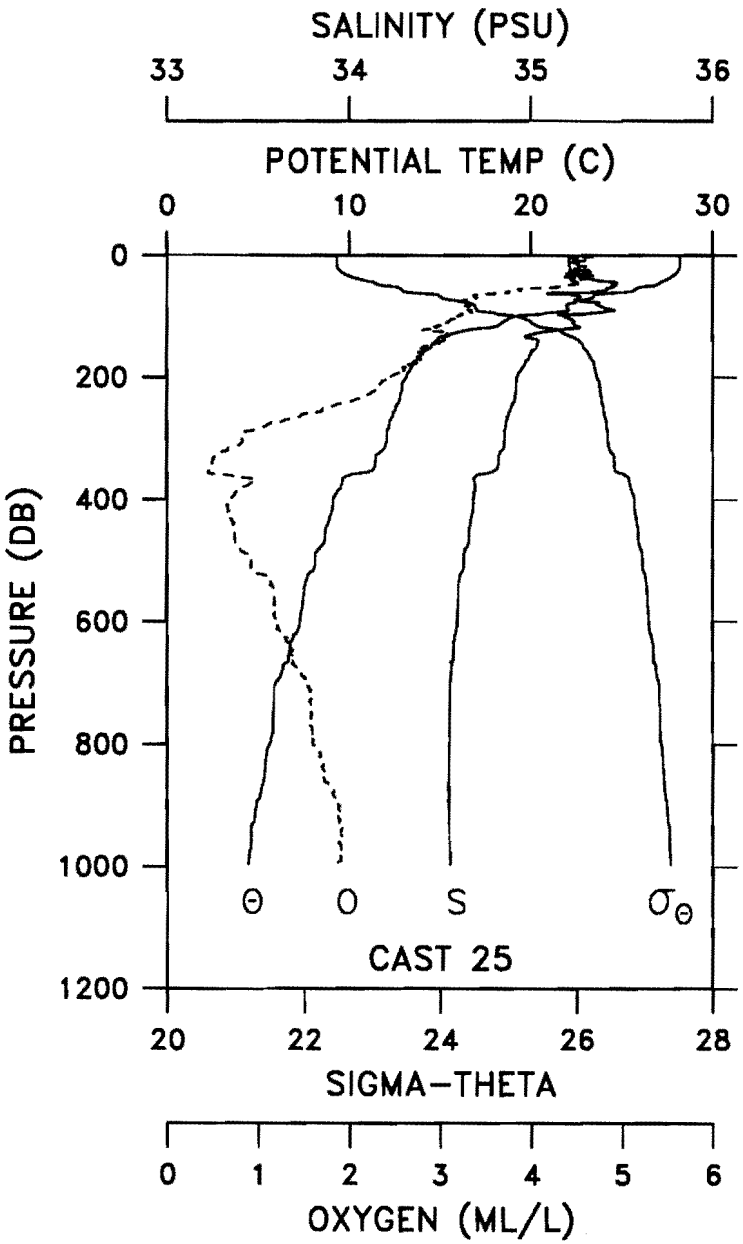
CAST EP1-87-RS -024 DATE 08 MAY 87 TIME 1135 GMT
LAT 00 04.2N LONG 124 26.3W WEATHER 1 SEA STATE 1
BAROMETER 07 WIND DIR 115 T SPD 11 KT VISIBILITY 7
CLOUD 6 AMOUNT 2 DRY 27.7 WET 25.5 DEPTH 2520 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.955	35.276	4.78	22.619	0.000
10	27.954	35.273	4.54	22.617	0.052
20	27.897	35.267	4.60	22.631	0.104
30	27.620	35.250	4.69	22.709	0.156
40	26.997	35.198	4.54	22.870	0.207
50	25.937	35.302	4.10	23.283	0.256
60	25.622	35.405	3.79	23.458	0.301
70	25.025	35.404	3.79	23.641	0.345
80	21.157	35.244	3.37	24.638	0.384
90	19.002	35.210	3.19	25.182	0.413
100	17.638	35.098	3.14	25.437	0.441
110	16.054	35.047	3.09	25.773	0.464
120	15.161	34.962	3.00	25.908	0.486
130	14.374	34.920	2.83	26.047	0.507
140	13.957	34.974	2.82	26.177	0.526
150	13.710	34.951	2.69	26.211	0.544
160	13.462	34.957	2.60	26.267	0.562
170	13.381	34.963	2.57	26.287	0.580
180	13.121	34.941	2.40	26.323	0.598
190	13.048	34.935	2.20	26.334	0.615
200	12.951	34.927	2.16	26.347	0.632
250	12.564	34.891	1.63	26.396	0.718
300	11.959	34.848	0.57	26.479	0.801
350	10.508	34.769	0.44	26.684	0.878
400	8.963	34.674	0.70	26.869	0.944
450	8.511	34.654	0.88	26.925	1.006
500	8.164	34.638	0.91	26.965	1.066
550	7.559	34.609	1.07	27.032	1.122
600	6.828	34.579	1.35	27.111	1.177
650	6.528	34.570	1.43	27.144	1.228
700	6.222	34.563	1.51	27.179	1.278
750	5.911	34.557	1.59	27.214	1.327
800	5.718	34.555	1.62	27.237	1.374
900	5.097	34.551	1.81	27.308	1.463
1000	4.723	34.554	1.88	27.354	1.548
1007	4.628	34.540	1.87	27.353	1.553

CAST EP1-87-RS -025 DATE 09 MAY 87 TIME 1551 GMT

LAT 00 00.2S LONG 129 58.8W



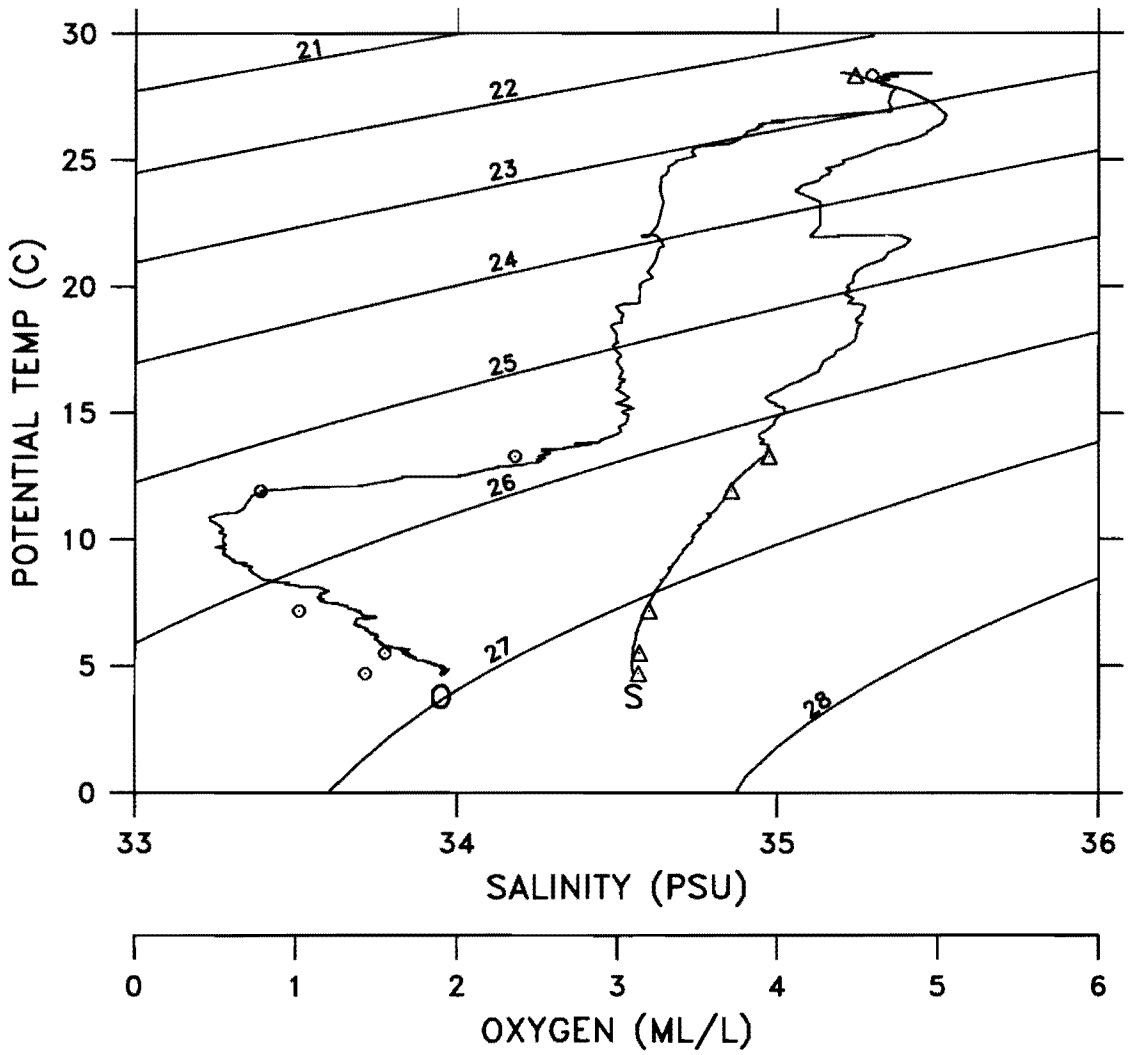


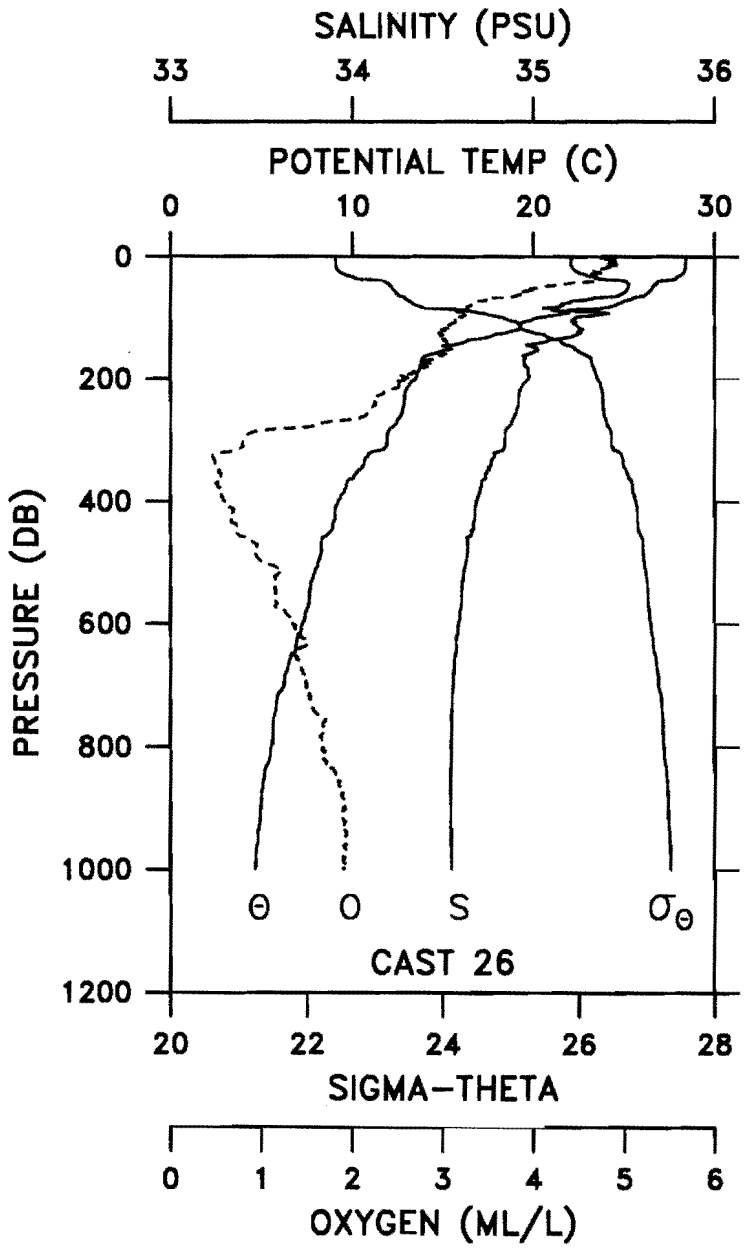
CAST EP1-87-RS -025 DATE 09 MAY 87 TIME 1551 GMT
LAT 00 00.2S LONG 129 58.8W WEATHER SEA STATE 1
BAROMETER 10 WIND DIR 110 T SPD 12 KT VISIBILITY 7
CLOUD AMOUNT DRY 27.0 WET 25.5 DEPTH 4459 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.211	35.205	4.89	22.482	0.000
10	28.217	35.210	4.42	22.483	0.054
20	28.199	35.215	4.52	22.494	0.107
30	27.973	35.245	4.39	22.589	0.160
40	27.420	35.355	4.45	22.852	0.212
50	26.453	35.460	4.34	23.240	0.260
60	25.184	35.320	3.72	23.529	0.305
70	23.280	35.260	3.38	24.051	0.345
80	22.017	35.360	3.36	24.488	0.382
90	22.078	35.463	3.35	24.549	0.416
100	19.056	35.186	3.19	25.150	0.448
110	18.443	35.231	3.07	25.340	0.475
120	16.973	35.190	2.91	25.668	0.500
130	15.432	34.995	3.08	25.873	0.523
140	14.804	35.039	3.03	26.046	0.544
150	14.512	35.031	2.81	26.103	0.563
160	14.081	35.002	2.80	26.172	0.582
170	13.757	34.985	2.78	26.227	0.601
180	13.496	34.965	2.66	26.266	0.619
190	13.315	34.943	2.56	26.285	0.637
200	13.130	34.922	2.43	26.307	0.655
250	12.566	34.890	1.72	26.394	0.741
300	12.080	34.855	0.82	26.462	0.824
350	11.362	34.813	0.48	26.564	0.903
400	9.115	34.682	0.68	26.851	0.971
450	8.684	34.661	0.74	26.903	1.034
500	8.103	34.630	0.92	26.968	1.094
550	7.510	34.602	1.17	27.033	1.152
600	7.273	34.593	1.19	27.060	1.207
650	6.692	34.571	1.35	27.123	1.260
700	5.936	34.555	1.50	27.209	1.310
750	5.811	34.553	1.58	27.223	1.357
800	5.614	34.551	1.60	27.247	1.404
900	4.900	34.547	1.88	27.328	1.493
996	4.465	34.555	1.89	27.382	1.571

CAST EP1-87-RS -026 DATE 10 MAY 87 TIME 1716 GMT

LAT 00 00.7N LONG 135 00.0W



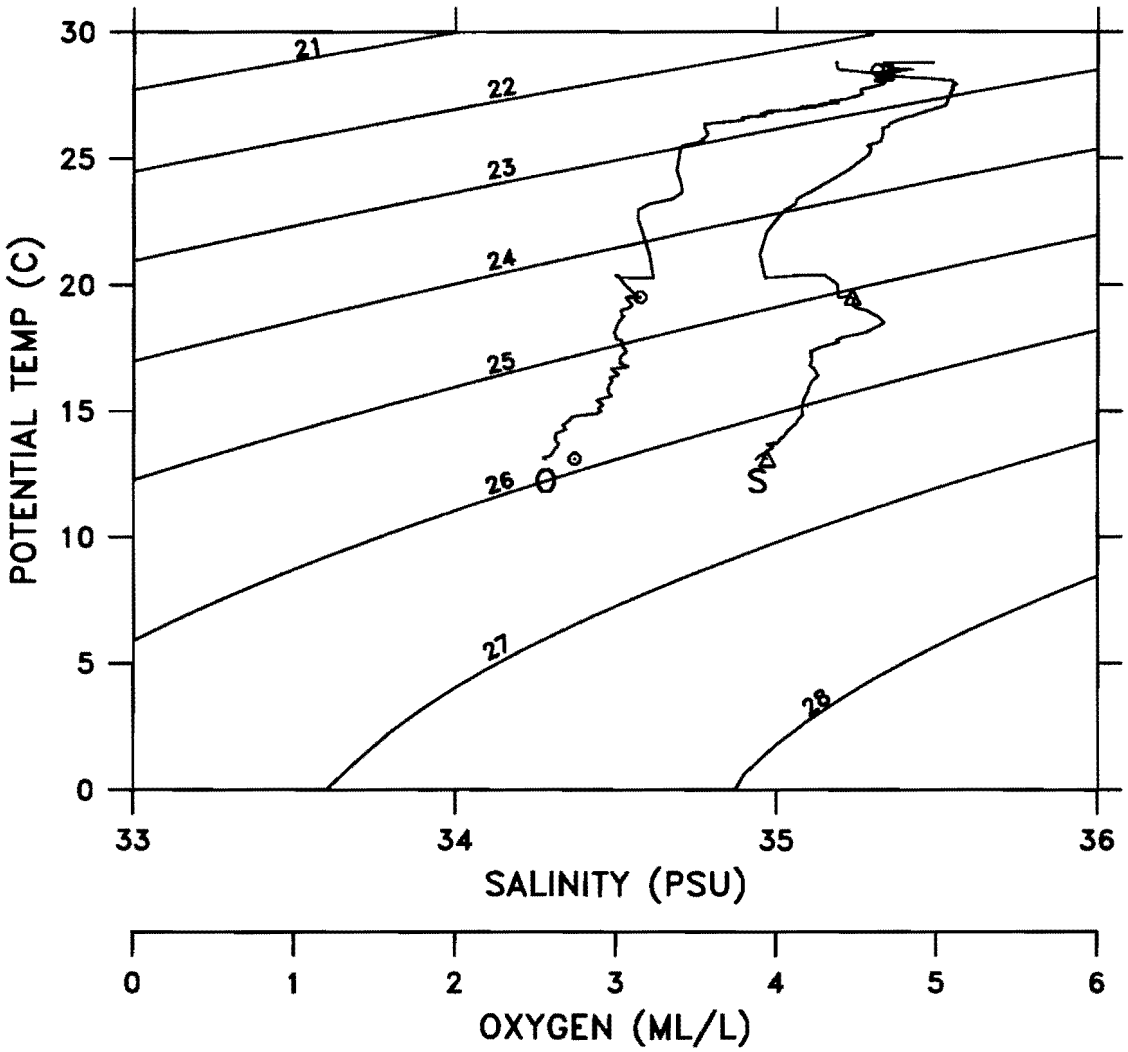


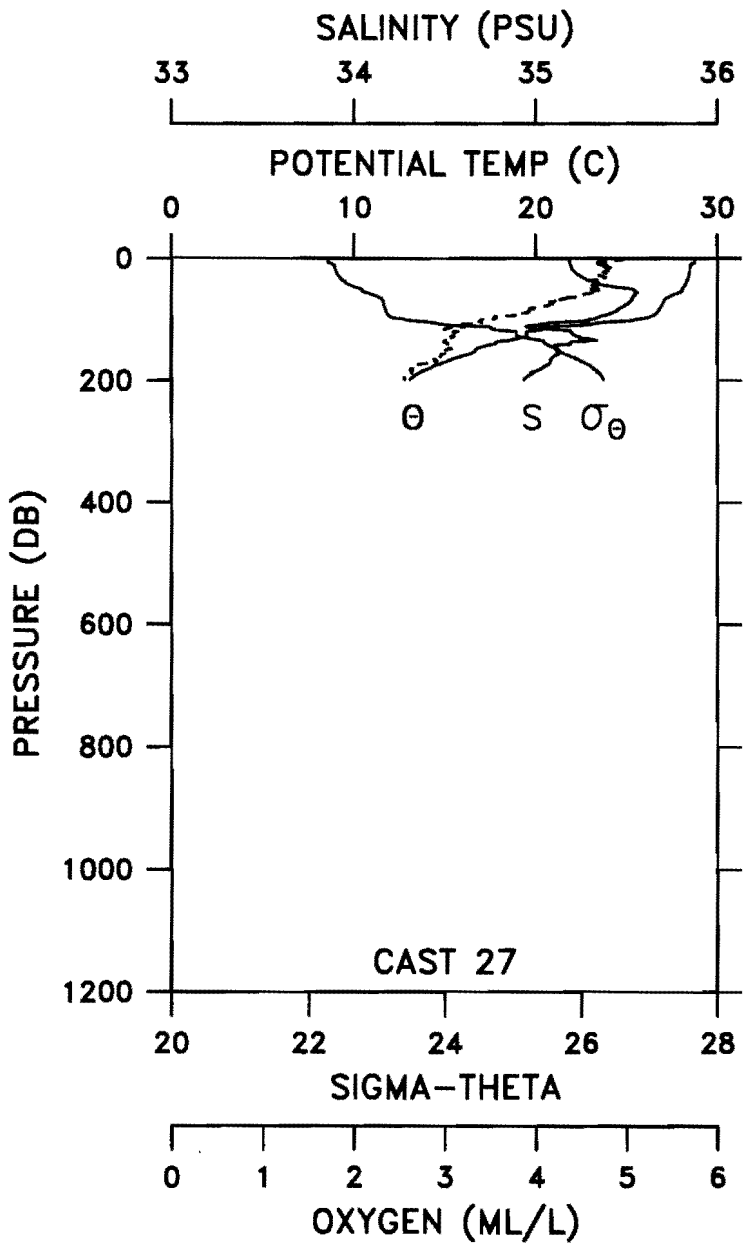
CAST EP1-87-RS -026 DATE 10 MAY 87 TIME 1716 GMT
LAT 00 00.7N LONG 135 00.0W WEATHER SEA STATE
BAROMETER 09 WIND DIR 060 T SPD 08 KT VISIBILITY 7
CLOUD AMOUNT DRY 27.8 WET 25.6 DEPTH 4350 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.407	35.197	4.84	22.411	0.000
10	28.410	35.208	4.83	22.419	0.054
20	28.384	35.222	4.73	22.438	0.108
30	28.129	35.292	4.70	22.574	0.162
40	26.896	35.512	4.71	23.139	0.213
50	26.575	35.521	4.07	23.248	0.259
60	26.257	35.485	3.87	23.321	0.306
70	25.291	35.288	3.46	23.472	0.351
80	24.408	35.158	3.30	23.641	0.394
90	22.033	35.351	3.17	24.477	0.434
100	20.167	35.236	3.15	24.899	0.466
110	19.315	35.232	3.08	25.119	0.496
120	19.007	35.266	3.01	25.224	0.525
130	17.648	35.216	2.97	25.525	0.551
140	16.174	35.049	3.01	25.746	0.575
150	15.207	35.024	3.07	25.945	0.597
160	14.269	34.961	3.02	26.101	0.617
170	13.812	34.947	2.79	26.186	0.636
180	13.759	34.965	2.83	26.211	0.655
190	13.610	34.971	2.66	26.247	0.673
200	13.496	34.973	2.53	26.272	0.691
250	12.793	34.909	2.22	26.364	0.778
300	11.927	34.843	0.80	26.481	0.861
350	10.327	34.749	0.54	26.700	0.937
400	9.207	34.686	0.59	26.839	1.004
450	8.766	34.663	0.71	26.892	1.068
500	8.117	34.626	1.03	26.963	1.127
550	7.634	34.605	1.16	27.018	1.185
600	7.245	34.587	1.34	27.060	1.241
650	6.646	34.569	1.37	27.128	1.294
700	6.240	34.558	1.50	27.173	1.345
750	5.696	34.546	1.65	27.233	1.392
800	5.520	34.547	1.69	27.255	1.438
900	4.944	34.545	1.90	27.321	1.526
1000	4.646	34.549	1.90	27.358	1.610
1003	4.631	34.550	1.90	27.360	1.612

CAST EP1-87-RS -027 DATE 12 MAY 87 TIME 0020 GMT

LAT 00 02.4S LONG 139 59.4W



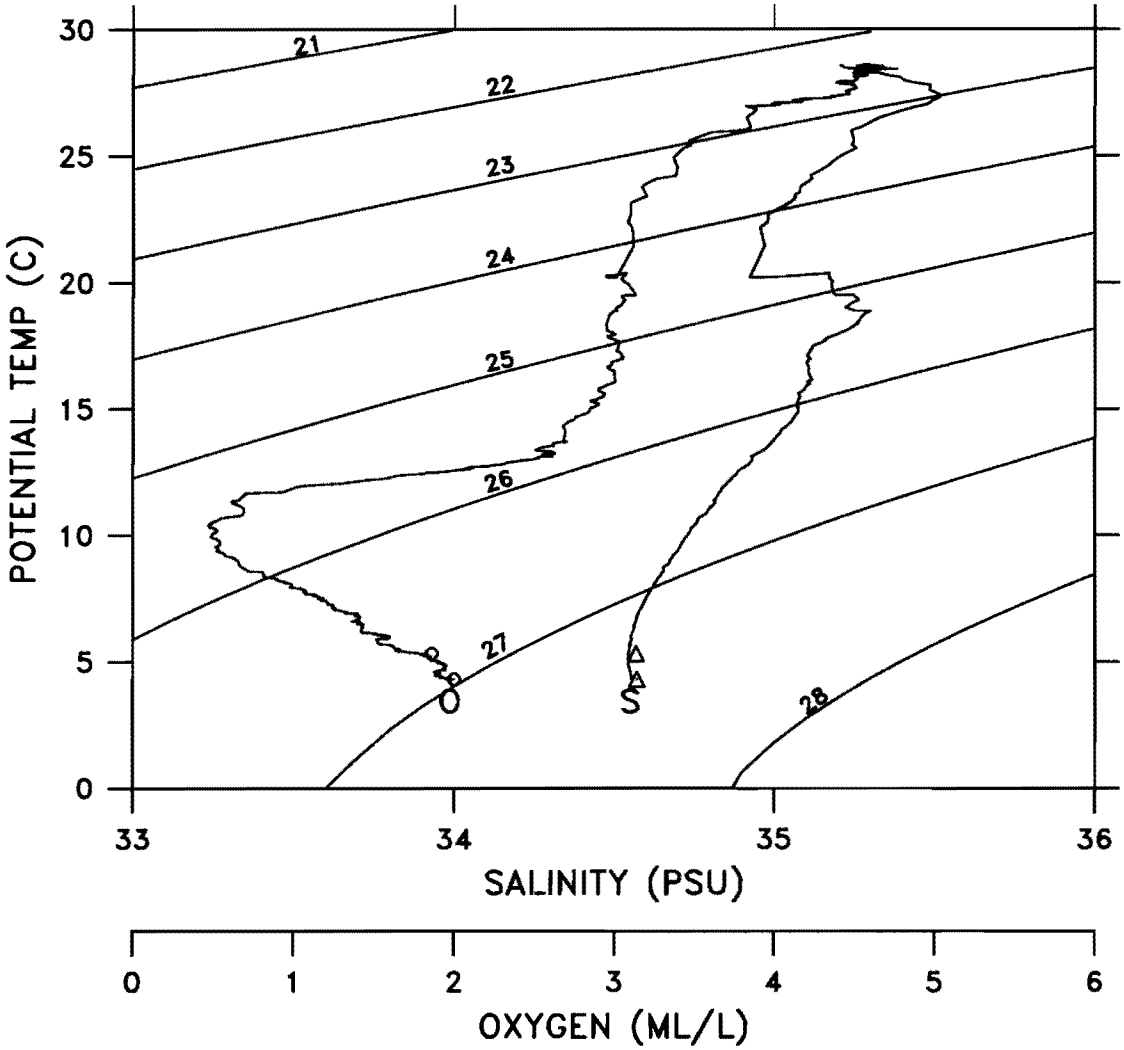


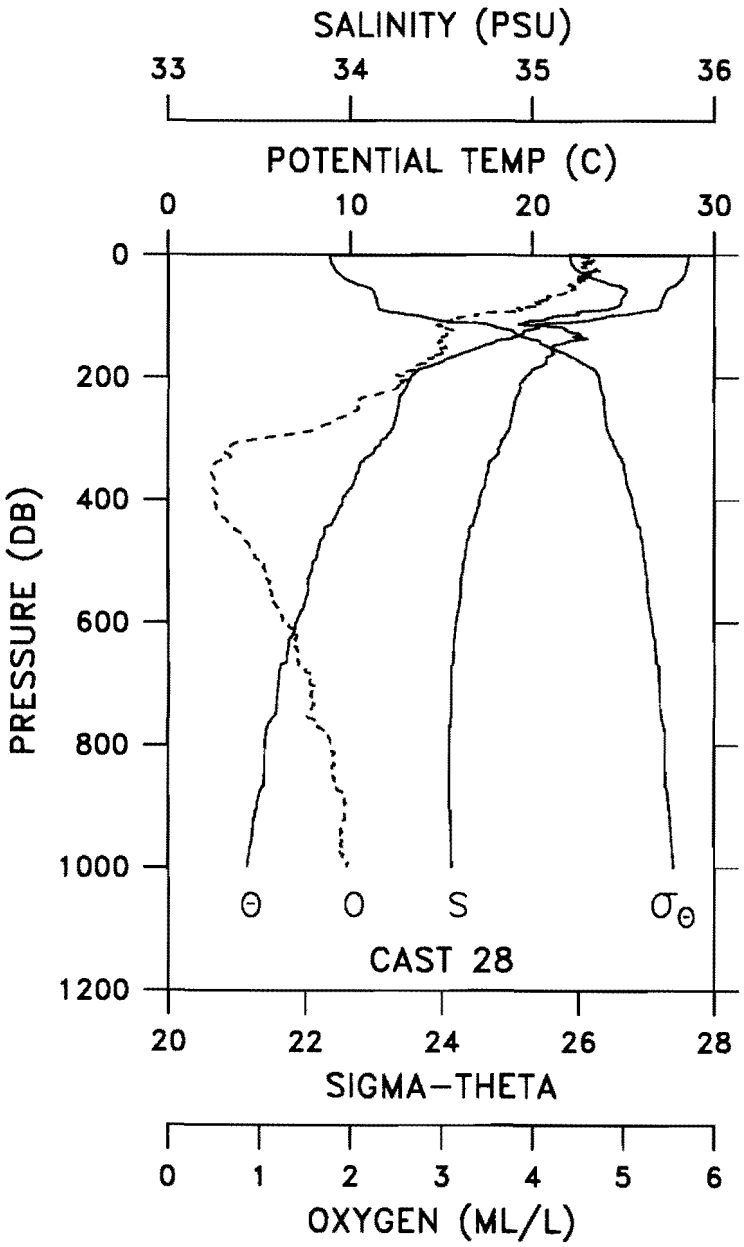
CAST EP1-87-RS -027 DATE 12 MAY 87 TIME 0020 GMT
LAT 00 02.4S LONG 139 59.4W WEATHER 1 SEA STATE 3
BAROMETER 07 WIND DIR 075 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 7 DRY 28.0 WET 26.4 DEPTH 4322 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.750	35.188	4.98	22.291	0.000
10	28.582	35.189	4.69	22.348	0.055
20	28.475	35.206	4.80	22.395	0.110
30	28.422	35.251	4.74	22.447	0.164
40	28.307	35.320	4.64	22.537	0.218
50	28.075	35.523	4.61	22.765	0.270
60	27.532	35.540	4.54	22.956	0.320
70	27.055	35.522	4.22	23.095	0.369
80	26.869	35.475	3.99	23.120	0.417
90	26.620	35.410	3.81	23.149	0.464
100	25.500	35.283	3.41	23.404	0.511
110	22.073	34.968	3.16	24.174	0.553
120	19.488	35.193	3.15	25.044	0.585
130	19.068	35.251	3.07	25.197	0.615
140	17.721	35.193	3.03	25.490	0.641
150	16.696	35.117	3.01	25.677	0.665
160	15.940	35.100	2.95	25.839	0.688
170	14.981	35.079	2.90	26.038	0.709
180	14.199	35.033	2.66	26.171	0.729
190	13.432	34.973	2.61	26.285	0.747
199	13.083	34.935	2.56	26.326	0.763

CAST EP1-87-RS -028 DATE 12 MAY 87 TIME 0908 GMT

LAT 00 02.8N LONG 139 54.8W



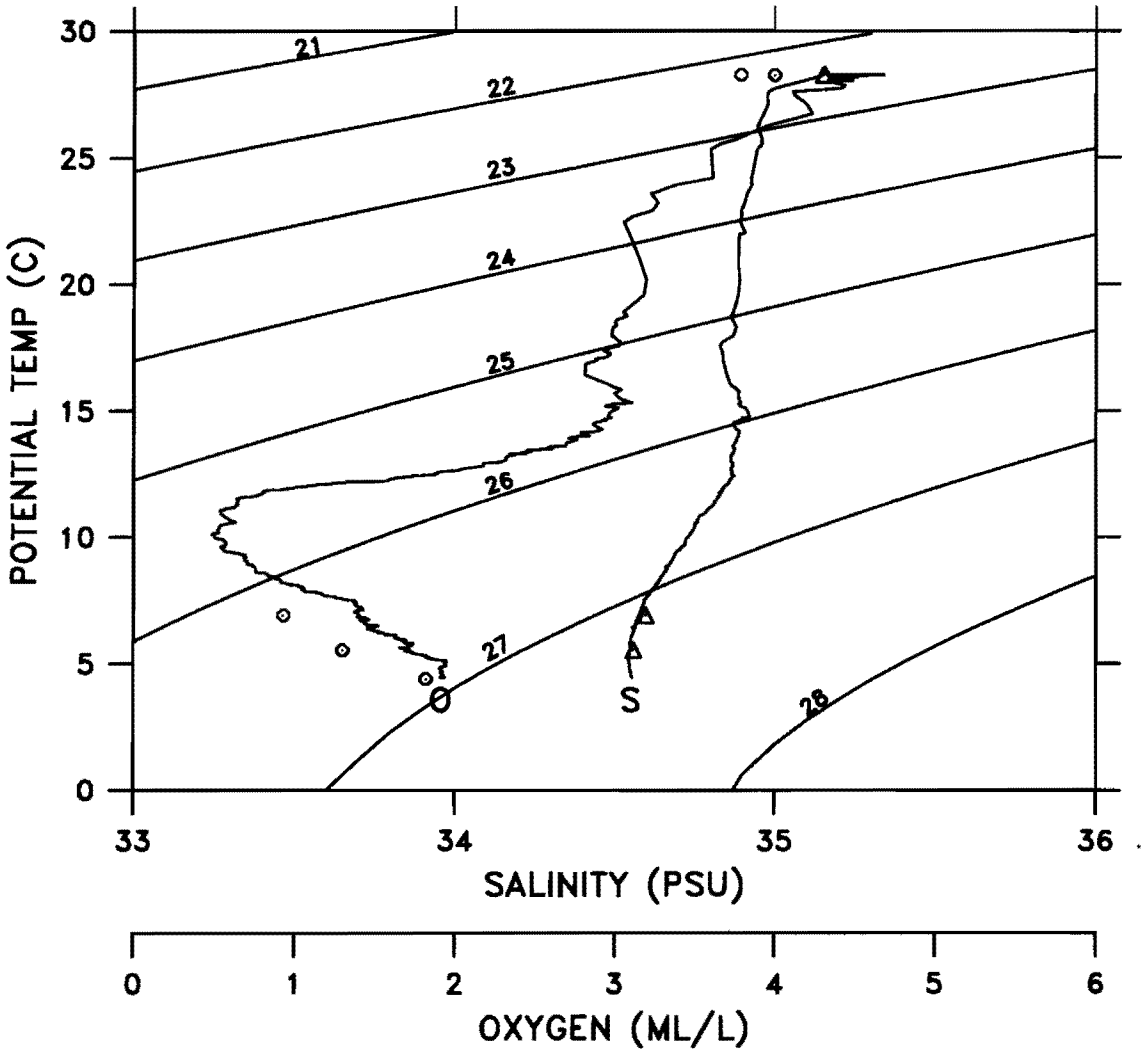


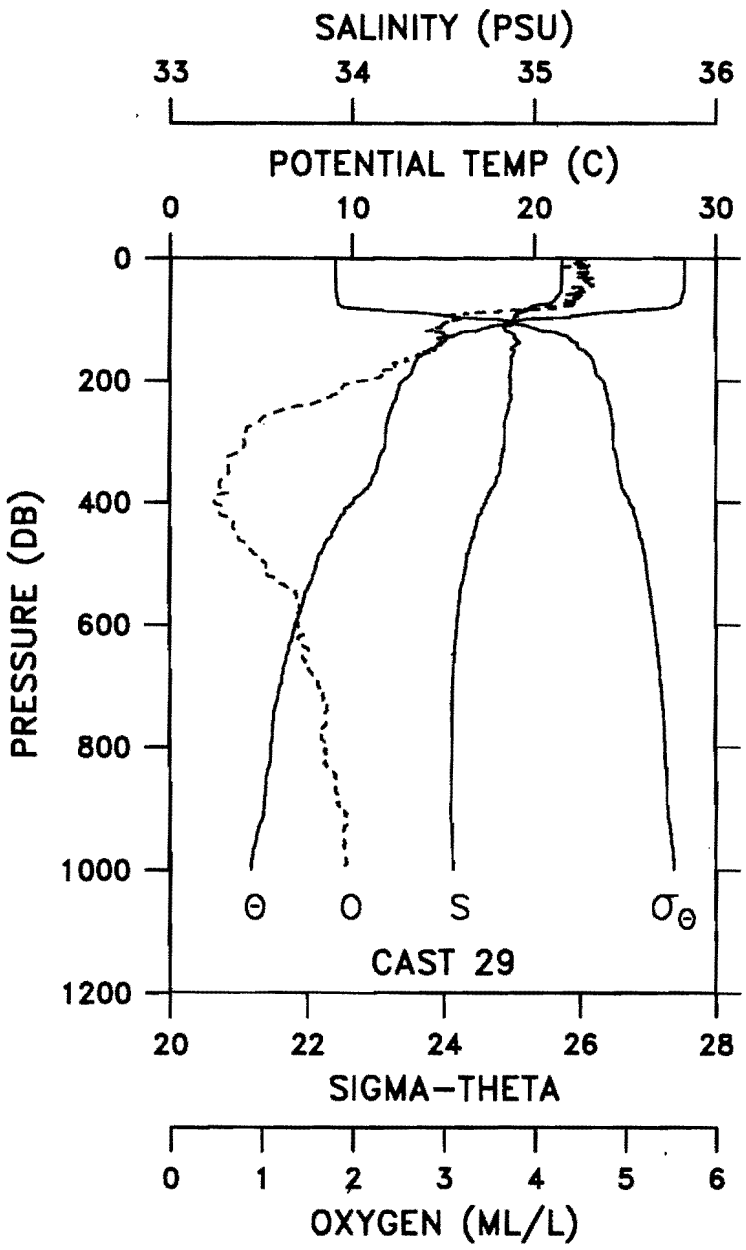
CAST EP1-87-RS -028 DATE 12 MAY 87 TIME 0908 GMT
LAT 00 02.8N LONG 139 54.8W WEATHER 6 SEA STATE 3
BAROMETER 10 WIND DIR 100 T SPD 08 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 28.9 WET 26.5 DEPTH 4361 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.566	35.208	4.53	22.367	0.000
10	28.544	35.211	4.61	22.377	0.055
20	28.453	35.229	4.56	22.420	0.109
30	28.382	35.283	4.62	22.485	0.163
40	28.173	35.357	4.58	22.609	0.216
50	27.791	35.486	4.50	22.831	0.268
60	27.321	35.517	4.38	23.006	0.317
70	27.163	35.492	4.17	23.038	0.366
80	27.078	35.482	4.01	23.058	0.414
90	26.512	35.330	3.83	23.123	0.462
100	24.078	35.118	3.26	23.709	0.507
110	21.467	34.970	3.12	24.345	0.548
120	20.045	35.184	3.05	24.891	0.580
130	19.307	35.264	3.07	25.145	0.610
140	17.994	35.202	3.00	25.429	0.637
150	17.126	35.103	3.05	25.564	0.663
160	16.155	35.119	3.00	25.804	0.686
170	15.240	35.074	2.88	25.977	0.708
180	14.519	35.057	2.72	26.122	0.728
190	13.651	34.991	2.61	26.254	0.747
200	13.295	34.958	2.59	26.301	0.764
250	12.631	34.898	2.10	26.388	0.851
300	11.908	34.842	1.02	26.485	0.934
350	10.477	34.757	0.49	26.680	1.010
400	9.568	34.708	0.52	26.797	1.080
450	8.560	34.652	0.75	26.915	1.144
500	7.960	34.623	0.99	26.984	1.204
550	7.639	34.606	1.13	27.018	1.261
600	7.006	34.578	1.30	27.086	1.316
650	6.512	34.565	1.42	27.142	1.368
700	6.031	34.553	1.55	27.195	1.417
750	5.856	34.554	1.52	27.219	1.465
800	5.327	34.544	1.78	27.275	1.510
900	4.864	34.545	1.94	27.330	1.598
1000	4.337	34.555	1.96	27.396	1.678
1010	4.301	34.555	1.97	27.401	1.686

CAST EP1-87-RS -029 DATE 12 MAY 87 TIME 1454 GMT

LAT 00 54.7N LONG 139 59.3W



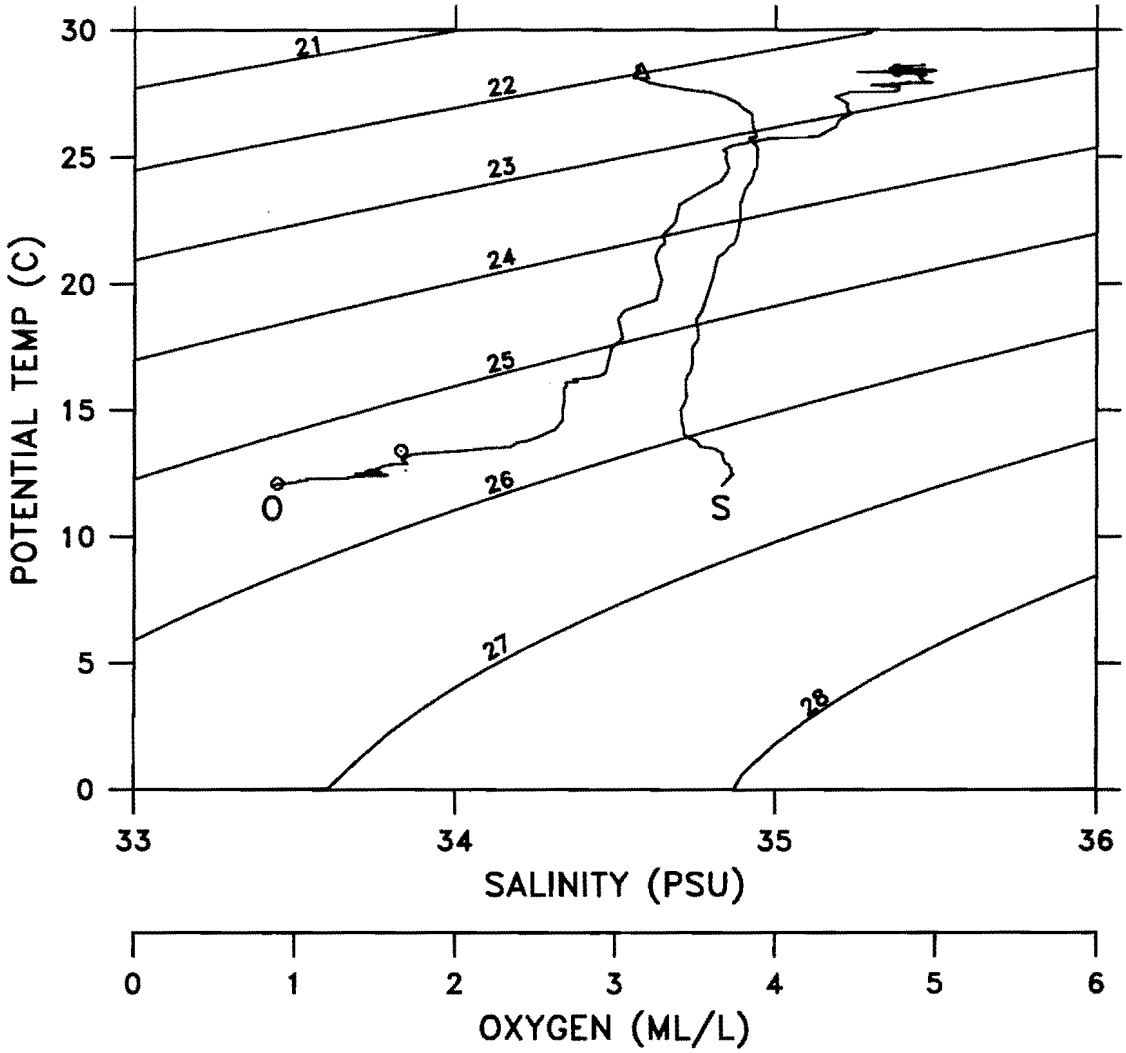


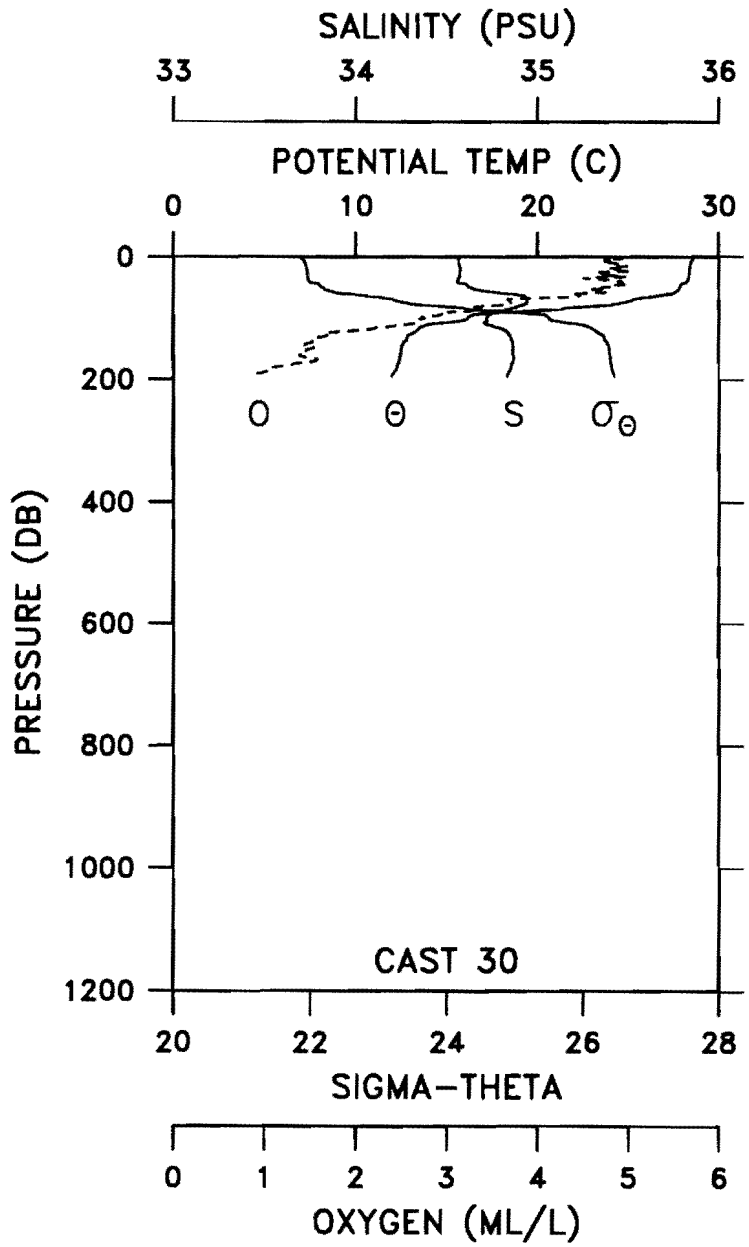
CAST EP1-87-RS -029 DATE 12 MAY 87 TIME 1454 GMT
LAT 00 54.7N LONG 139 59.3W WEATHER 1 SEA STATE 1
BAROMETER 08 WIND DIR 010 T SPD 08 KT VISIBILITY 7
CLOUD 6 AMOUNT 3 DRY 27.0 WET 25.5 DEPTH 4304 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.263	35.153	4.64	22.426	0.000
10	28.275	35.151	4.62	22.420	0.054
20	28.274	35.151	4.60	22.420	0.108
30	28.265	35.150	4.61	22.423	0.162
40	28.259	35.150	4.60	22.425	0.217
50	28.235	35.147	4.54	22.431	0.271
60	28.170	35.133	4.45	22.441	0.325
70	28.063	35.105	4.40	22.455	0.379
80	27.441	34.976	4.12	22.561	0.433
90	23.204	34.906	3.27	23.805	0.480
100	19.360	34.881	3.14	24.839	0.517
110	17.733	34.839	3.03	25.215	0.547
120	16.068	34.861	2.95	25.626	0.573
130	15.207	34.891	2.95	25.843	0.596
140	14.732	34.901	2.98	25.955	0.618
150	14.191	34.891	2.89	26.063	0.638
160	13.672	34.874	2.69	26.159	0.658
170	13.455	34.873	2.50	26.203	0.676
180	13.332	34.871	2.42	26.226	0.695
190	13.212	34.863	2.33	26.245	0.713
200	12.771	34.866	2.12	26.335	0.731
250	12.100	34.855	1.20	26.458	0.814
300	11.826	34.837	0.82	26.496	0.895
350	11.310	34.811	0.65	26.573	0.974
400	10.098	34.737	0.49	26.730	1.048
450	8.912	34.672	0.72	26.876	1.114
500	8.036	34.625	1.05	26.974	1.174
550	7.401	34.592	1.39	27.041	1.231
600	6.855	34.573	1.39	27.103	1.285
650	6.402	34.562	1.47	27.155	1.336
700	6.044	34.552	1.63	27.193	1.386
750	5.699	34.548	1.71	27.233	1.433
800	5.535	34.548	1.70	27.254	1.479
900	5.154	34.543	1.88	27.295	1.569
1000	4.451	34.554	1.91	27.384	1.652
1008	4.429	34.555	1.91	27.386	1.658

CAST EP1-87-RS -030 DATE 12 MAY 87 TIME 2324 GMT

LAT 01 59.0N LONG 139 58.4W



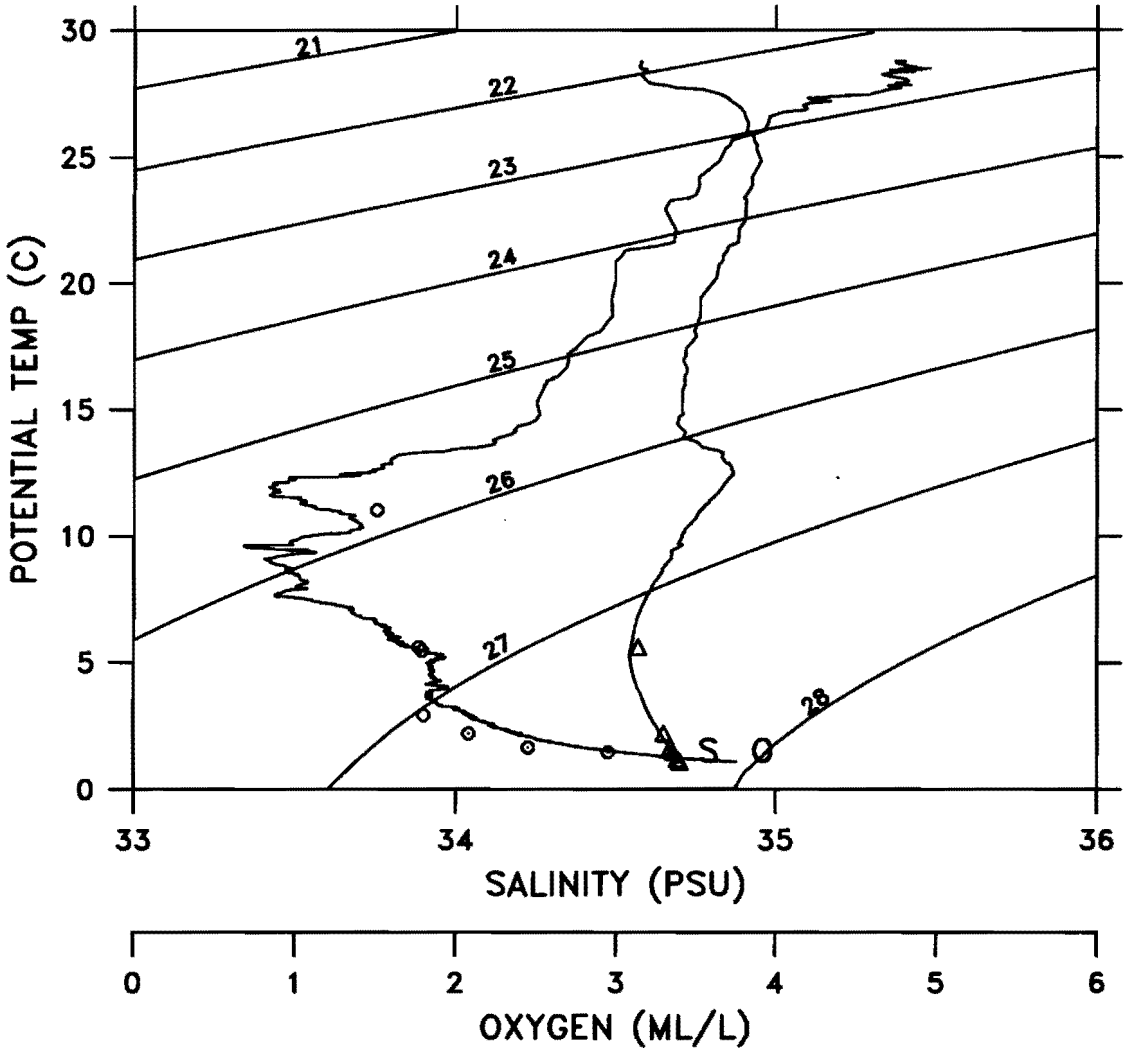


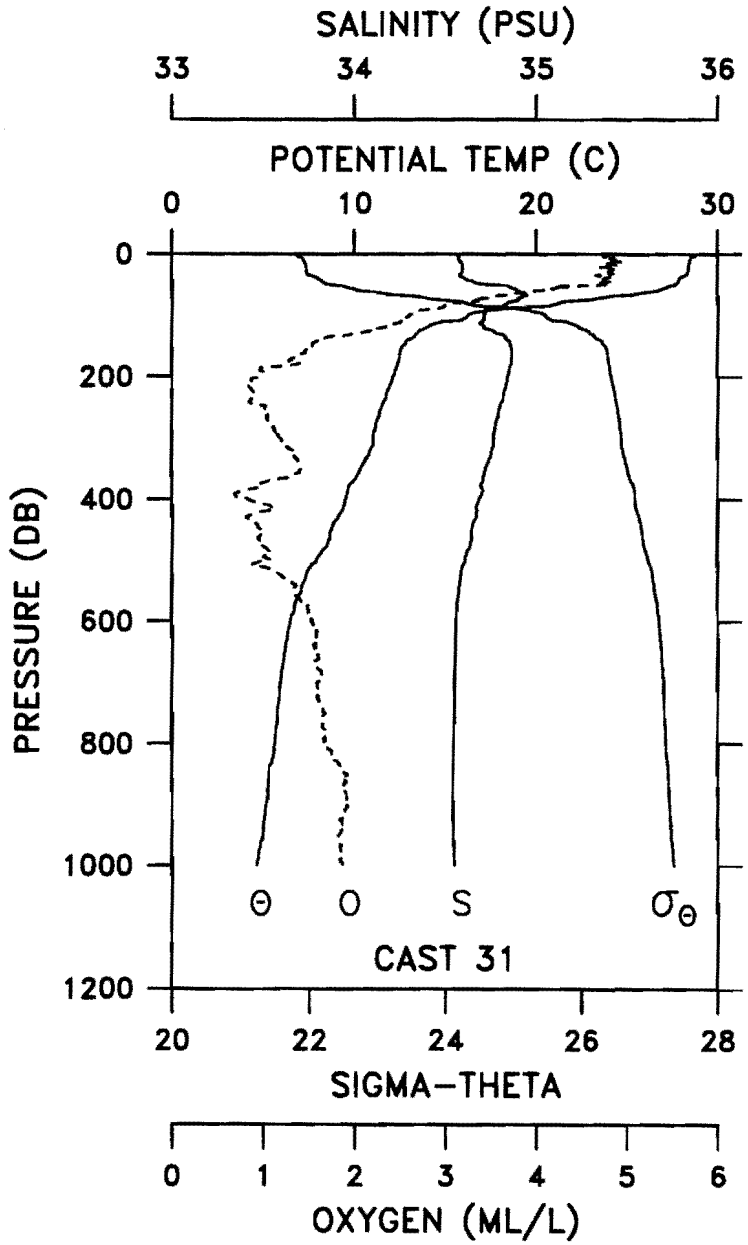
CAST EP1-87-RS -030 DATE 12 MAY 87 TIME 2324 GMT
LAT 01 59.0N LONG 139 58.4W WEATHER 1 SEA STATE 0
BAROMETER 09 WIND DIR 140 T SPD 04 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 29.2 WET 26.0 DEPTH 4374 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.604	34.567	4.93	21.873	0.000
10	28.441	34.565	4.84	21.926	0.059
20	28.389	34.575	4.87	21.950	0.118
30	28.348	34.572	4.80	21.961	0.177
40	28.230	34.560	4.93	21.991	0.235
50	27.827	34.635	4.71	22.178	0.292
60	27.354	34.843	4.37	22.488	0.348
70	25.239	34.943	3.68	23.227	0.398
80	23.128	34.890	3.40	23.815	0.443
90	18.594	34.753	3.02	24.937	0.478
100	16.126	34.721	2.76	25.505	0.504
110	14.039	34.715	2.55	25.960	0.528
120	13.371	34.822	2.01	26.181	0.547
130	12.852	34.851	1.61	26.308	0.565
140	12.647	34.862	1.50	26.357	0.582
150	12.520	34.864	1.51	26.383	0.599
160	12.468	34.865	1.39	26.394	0.616
170	12.408	34.866	1.56	26.407	0.633
180	12.283	34.854	1.12	26.421	0.649
190	12.086	34.841	0.92	26.450	0.666
195	11.989	34.834	0.86	26.463	0.674

CAST EP1-87-RS -031 DATE 13 MAY 87 TIME 0850 GMT

LAT 02 01.6N LONG 140 00.7W





CAST EP1-87-RS -031 DATE 13 MAY 87 TIME 0850 GMT
LAT 02 01.6N LONG 140 00.7W WEATHER 1 SEA STATE 1
BAROMETER 11 WIND DIR 000 T SPD 00 KT VISIBILITY 7
CLOUD 6 AMOUNT 3 DRY 27.1 WET 25.8 DEPTH 4392 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.745	34.577	4.80	21.833	0.000
10	28.469	34.577	4.94	21.925	0.059
20	28.404	34.593	4.78	21.959	0.118
30	28.353	34.591	4.81	21.973	0.177
40	27.893	34.608	4.74	22.137	0.234
50	27.657	34.767	4.71	22.333	0.291
60	26.578	34.903	3.96	22.781	0.344
70	23.760	34.920	3.51	23.653	0.390
80	21.225	34.841	3.04	24.313	0.430
90	17.894	34.751	2.81	25.108	0.463
100	16.245	34.715	2.59	25.473	0.489
110	14.808	34.709	2.52	25.790	0.514
120	13.982	34.711	2.31	25.969	0.535
130	13.443	34.795	1.99	26.145	0.555
140	12.918	34.843	1.59	26.288	0.573
150	12.675	34.860	1.53	26.350	0.591
160	12.528	34.867	1.47	26.384	0.608
170	12.476	34.864	1.33	26.392	0.624
180	12.394	34.862	1.37	26.406	0.641
190	12.262	34.851	0.96	26.424	0.658
200	12.134	34.844	0.96	26.443	0.674
250	11.497	34.801	1.02	26.530	0.754
300	11.048	34.766	1.18	26.585	0.830
350	10.346	34.721	1.42	26.675	0.905
400	9.506	34.686	0.84	26.790	0.974
450	8.724	34.645	1.00	26.884	1.038
500	7.902	34.609	1.03	26.982	1.099
550	7.083	34.576	1.36	27.073	1.154
600	6.494	34.560	1.54	27.141	1.206
650	6.193	34.555	1.58	27.176	1.256
700	5.956	34.553	1.58	27.205	1.304
750	5.803	34.550	1.68	27.222	1.351
800	5.647	34.547	1.70	27.239	1.398
900	5.169	34.543	1.91	27.293	1.489
1000	4.653	34.551	1.87	27.358	1.574
1500	2.928	34.604	2.09	27.576	1.926
2000	2.186	34.639	2.40	27.667	2.210
2500	1.645	34.666	2.78	27.731	2.455
3000	1.453	34.675	3.04	27.753	2.686
3500	1.192	34.690	3.46	27.783	2.906
4000	1.104	34.693	3.68	27.791	3.121
4122	1.087	34.693	3.72	27.793	3.174

CAST EP1-87-RS -001 LAT 00 54.5N LONG 105 34.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
14.	28.931	33.462	1.55	28.928	20.936
32.	26.573	34.811*	1.59	26.566*	22.715*
52.	23.476	34.902*	1.34	23.465*	23.726*
74.	19.843	34.883*	2.85	19.829*	24.719*
92.	16.777	34.909*	0.72	16.762*	25.502*
119.	15.020	34.903	0.65	15.002	25.897
149.	14.312	34.919*	0.60	14.290*	26.064*

CAST EP1-87-RS -002 LAT 00 54.4N LONG 105 34.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
34.	25.141	34.880	1.54	25.134	23.212
193.	13.445	34.937*	0.57	13.418*	26.260*
295.	12.195	34.852*	0.14	12.156*	26.445*
596.	6.958	34.583	0.39	6.901	27.104
797.	5.345	34.544*	0.56	5.278*	27.281*
999.	4.523	36.313*	0.63	4.440*	28.782*
1491.	2.825	34.618*	0.69	2.720*	27.605*
1994.	2.167	34.649	0.86	2.028	27.688
2493.	1.855	34.667	0.96	1.678	27.730
2997.	1.675	34.679	1.09	1.455	27.756
3442.	1.567	34.687	1.16	1.305	27.773

CAST EP1-87-RS -003 LAT 00 01.7N LONG 107 52.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	28.668	34.494	1.54	28.665	21.798
192.	13.314	34.952	0.76	13.287	26.298
294.	12.048	34.871	0.07	12.009	26.488
591.	7.186	34.614	0.35	7.129	27.097
794.	5.460	34.600	0.55	5.392	27.312
1019.	4.439	34.611	0.63	4.358	27.439

* Calculated from CTD values

CAST EP1-87-RS -004 LAT 02 12.8N LONG 110 18.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
74.	28.758	34.168	1.73	28.740	21.528
194.	13.314	34.931	0.52	13.287	26.282
294.	12.006	34.853	0.10	11.968	26.482
596.	6.873	34.608	0.33	6.817	27.135
796.	5.546	34.568	0.36	5.477	27.276
1001.	4.396	34.566	0.50	4.317	27.408

CAST EP1-87-RS -005 LAT 03 00.7N LONG 109 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	28.919	33.620	1.70	28.915	21.059
192.	13.343	34.932	0.54	13.316	26.277
295.	12.219	34.851	0.24	12.180	26.439
595.	6.751	34.587	0.22	6.695	27.135
793.	5.406	34.568	0.33	5.339	27.293
1015.	4.366	34.566	0.54	4.286	27.411

CAST EP1-87-RS -006 LAT 04 00.1N LONG 110 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
14.	29.035	34.001	1.63	29.032	21.306
193.	12.742	34.902	0.44	12.716	26.374
293.	11.216	34.787	0.36	11.179	26.578
593.	7.168	34.598	0.10	7.111	27.087
794.	5.581	34.567	0.34	5.512	27.271

CAST EP1-87-RS -007 LAT 05 00.6N LONG 110 03.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
198.	10.671	34.685	0.51	10.647	26.594
293.	9.965	34.697	0.42	9.931	26.727
596.	6.994	34.583*	0.07	6.937*	27.099*
805.	5.447	34.568	0.22	5.378	27.288
953.	4.742	34.571	0.32	4.665	27.373
1499.	2.991	34.633	0.57	2.883	27.603
1998.	2.255	34.572	0.73	2.115	27.620
2495.	1.866	34.675	0.85	1.689	27.735
2993.	1.791	34.678	0.90	1.568	27.747
3493.	1.552	34.691	1.07	1.285	27.778
3683.	1.503	34.694	1.12	1.218	27.785
3793.	1.479	34.692*	1.15	1.183*	27.786*

CAST EP1-87-RS -008 LAT 05 02.5N LONG 110 01.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
119.	14.433	34.646	0.58	14.415	25.826

CAST EP1-87-RS -009 LAT 00 59.7N LONG 109 59.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	28.615	34.325	1.55	28.611	21.689
193.	13.181	34.934	0.55	13.154	26.311
293.	11.773	34.827	0.10	11.735	26.505
593.	7.037	34.599	0.37	6.980	27.106
792.	5.514	34.559	0.52	5.446	27.273
1009.	4.418	34.567	0.62	4.338	27.406

* Calculated from CTD values

CAST EP1-87-RS -010 LAT 00 00.7N LONG 109 59.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
197.	13.372	34.956	0.79	13.344	26.290
293.	12.112	34.869	0.12	12.073	26.474
592.	6.663	34.574*	0.42	6.608*	27.137*
802.	5.420	34.564	0.53	5.352	27.288
984.	4.469	34.570	0.60	4.391	27.403
1495.	3.044	34.615	0.66	2.936	27.584
1995.	2.280	34.644	0.77	2.140	27.675
2495.	1.844	34.674	0.93	1.667	27.736
2999.	1.661	34.682	1.04	1.441	27.759
3246.	1.577	34.690	1.09	1.334	27.773
3499.	1.521	34.692	1.14	1.254	27.781
3719.	1.446	34.703	1.22	1.158	27.796

CAST EP1-87-RS -011 LAT 00 01.0N LONG 109 52.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	27.979	34.736	1.48	27.976	22.206

CAST EP1-87-RS -012 LAT 00 59.9S LONG 110 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	28.065	34.920	1.59	28.061	22.317
196.	12.988	34.921*	0.60	12.961*	26.340*
296.	12.329	34.887*	0.06	12.290*	26.446*
593.	6.922	34.600	0.52	6.866	27.122
798.	5.414	34.557	0.62	5.346	27.283
1003.	4.553	34.559	0.66	4.473	27.385

CAST EP1-87-RS -013 LAT 01 59.9S LONG 109 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	28.505	35.081*	1.58	28.501*	22.293*
195.	12.939	34.922	0.55	12.912	26.351
296.	12.317	34.898	0.04	12.278	26.457
594.	6.686	34.595	0.42	6.631	27.150
790.	5.282	34.561	0.57	5.216	27.302
1013.	4.265	34.570	0.61	4.186	27.425

CAST EP1-87-RS -014 LAT 02 59.9S LONG 109 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
14.	28.322	34.871	1.63	28.319	22.195
195.	13.071	34.932	0.53	13.044	26.332
291.	12.494	34.903	0.06	12.455	26.426
595.	6.744	34.593	0.23	6.688	27.141
794.	5.222	34.552*	0.56	5.156*	27.302*
1014.	4.351	34.566	0.62	4.271	27.412

CAST EP1-87-RS -015 LAT 03 59.5S LONG 110 01.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	27.893	34.357*	1.58	27.890*	21.949*
197.	13.056	34.950	0.51	13.029	26.349
296.	11.987	34.876	0.04	11.948	26.503
593.	7.027	34.603	0.17	6.970	27.110
795.	5.385	34.553	0.67	5.318	27.284
993.	4.379	34.555	0.68	4.301	27.401

* Calculated from CTD values

CAST EP1-87-RS -016 LAT 05 00.6S LONG 110 01.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
16.	27.654	34.443	1.54	27.650	22.092
196.	12.790	34.916*	0.11	12.763*	26.376*
298.	11.584	34.862	0.05	11.546	26.568
597.	7.571	34.613*	0.11	7.511*	27.042*
797.	5.538	34.556	0.45	5.469	27.268
1008.	4.350	34.559	0.68	4.271	27.407

CAST EP1-87-RS -017 LAT 05 59.8S LONG 110 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
16.	27.633	34.740	1.42	27.629	22.322
196.	12.243	34.903	0.30	12.217	26.473
294.	10.738	34.806	0.12	10.702	26.678
594.	6.841	34.580*	0.23	6.785*	27.118*
794.	5.610	34.555	0.49	5.541	27.258
1006.	4.475	34.557	0.66	4.395	27.392

CAST EP1-87-RS -018 LAT 06 59.8S LONG 110 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
14.	27.795	34.930	1.48	27.792	22.412
194.	12.222	34.902	0.17	12.196	26.476
295.	10.832	34.801*	0.12	10.796*	26.658*
594.	6.704	34.580	0.34	6.648	27.136
794.	5.439	34.542*	0.51	5.371*	27.269*

CAST EP1-87-RS -019 LAT 08 20.2S LONG 109 17.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
190.	12.502	34.826*	0.16	12.477*	26.362*
295.	10.311	34.767*	0.27	10.276*	26.723*
596.	6.873	34.578*	0.16	6.817*	27.112*
795.	5.284	34.539*	0.52	5.217*	27.285*
995.	4.391	34.542*	0.68	4.313*	27.389*
1297.	3.478	34.586	0.71	3.382	27.519
1593.	2.821	34.615	0.79	2.707	27.604
1891.	2.362	34.641	0.86	2.229	27.666
2089.	2.161	34.648	0.90	2.014	27.689
2397.	1.933	34.670	0.96	1.763	27.726
2696.	1.805	34.688	1.05	1.610	27.752
3105.	1.774	34.685	1.06	1.541	27.754

CAST EP1-87-RS -020 LAT 08 20.1S LONG 109 17.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
17.	27.583	34.982*	1.45	27.579*	22.520*
122.	19.545	35.682*	1.23	19.523*	25.409*

CAST EP1-87-RS -021 LAT 00 54.0N LONG 112 57.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
195.	12.946	34.935	0.56	12.919	26.359
295.	12.528	34.895	0.31	12.488	26.414
596.	6.966	34.585*	0.36	6.909*	27.105*
797.	5.394	34.570	0.54	5.326	27.296
992.	4.526	34.565	0.60	4.447	27.393
1496.	3.025	34.615	0.64	2.917	27.585
1997.	2.321	34.650	0.75	2.180	27.677
2496.	1.941	34.668	0.87	1.762	27.724
2795.	1.802	34.676	0.93	1.598	27.743
2999.	1.712	34.680	0.99	1.491	27.754
3397.	1.534	34.691	1.08	1.277	27.778
3794.	1.447	34.699	1.16	1.151	27.793

* Calculated from CTD values

CAST EP1-87-RS -022 LAT 00 00.1N LONG 114 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	27.905	34.902	1.53	27.902	22.355
196.	13.217	34.947	0.74	13.190	26.314
294.	12.181	34.874	0.17	12.142	26.465
596.	7.067	34.600	0.34	7.010	27.103
793.	5.628	34.566	0.53	5.559	27.265
1004.	4.547	34.565	0.57	4.467	27.391

CAST EP1-87-RS -023 LAT 00 01.0S LONG 120 00.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
14.	28.611	35.046	1.49	28.608	22.231
195.	13.179	34.945	0.77	13.152	26.320
294.	12.369	34.883	0.27	12.330	26.435
792.	5.535	34.558	0.52	5.467	27.270
996.	4.495	34.566	0.60	4.416	27.397

CAST EP1-87-RS -024 LAT 00 04.2N LONG 124 26.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
16.	27.808	35.267*	1.53	27.804*	22.661*
195.	13.090	34.861*	0.71	13.063*	26.273*
291.	12.065	34.866	0.15	12.027	26.480
594.	7.012	34.602	0.40	6.955	27.112
798.	5.791	34.575	0.50	5.721	27.252
998.	4.798	34.565	0.58	4.716	27.363

CAST EP1-87-RS -025 LAT 00 00.2S LONG 129 58.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	28.135	35.227	1.43	28.131	22.525
197.	13.082	34.927	0.78	13.055	26.326
297.	12.096	34.869	0.23	12.057	26.477
565.	7.456	34.628	0.35	7.400	27.070
796.	5.668	34.567	0.50	5.599	27.261
992.	4.543	34.571	0.58	4.464	27.396

CAST EP1-87-RS -026 LAT 00 00.7N LONG 135 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
14.	28.320	35.242	1.50	28.317	22.475
196.	13.315	34.974	0.86	13.288	26.315
296.	11.950	34.856	0.22	11.911	26.495
596.	7.231	34.598	0.43	7.173	27.078
798.	5.566	34.568	0.53	5.497	27.274
976.	4.766	34.564	0.58	4.687	27.365

CAST EP1-87-RS -027 LAT 00 02.4S LONG 139 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	28.483	35.206*	1.44	28.479*	22.394*
125.	19.535	35.237	0.93	19.512	25.072
199.	13.129	34.971	0.75	13.102	26.351

* Calculated from CTD values

CAST EP1-87-RS -028 LAT 00 02.8N LONG 139 54.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
796.	5.393	34.568	0.56	5.325	27.295
1004.	4.391	34.571	0.62	4.312	27.412

CAST EP1-87-RS -029 LAT 00 54.7N LONG 139 59.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
15.	28.268	35.156	1.41	28.265	22.427
34.	28.254	35.152	1.43	28.246	22.431
598.	6.962	34.597	0.41	6.905	27.115
796.	5.604	34.558	0.51	5.535	27.261
1021.	4.468	34.556*	0.60	4.387*	27.392*

CAST EP1-87-RS -030 LAT 01 59.0N LONG 139 58.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
14.	28.397	34.579	1.58	28.394	21.951
121.	13.403	34.828*	0.51	13.386*	26.182*
190.	12.112	34.844*	0.24	12.087*	26.452*

CAST EP1-87-RS -031 LAT 02 01.6N LONG 140 00.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
294.	11.063	34.770*	0.37	11.027*	26.592*
596.	5.516	35.591*	0.49	5.465*	28.088*
796.	5.677	34.569	0.53	5.608	27.261
1001.	4.636	34.553*	0.56	4.555*	27.371*
1495.	3.025	34.603*	0.63	2.917*	27.576*
1995.	2.343	34.649	0.73	2.202	27.674
2495.	1.827	34.671	0.88	1.650	27.735
2990.	1.673	34.678	0.97	1.453	27.755
3497.	1.457	34.691	1.13	1.192	27.784
3998.	1.419	34.698	1.20	1.102	27.796
4252.	1.411	34.700	1.23	1.067	27.800

* Calculated from CTD values

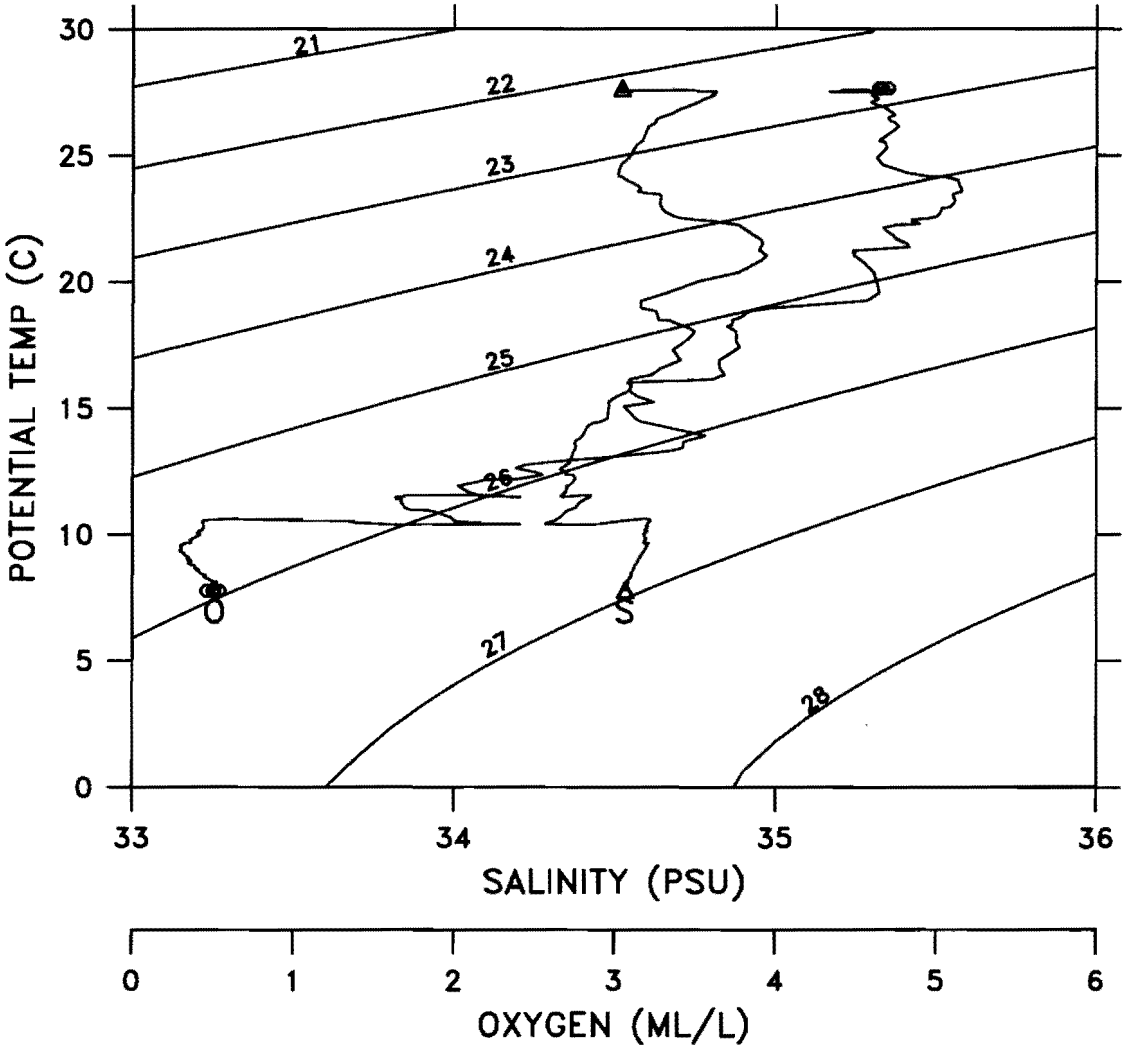
EP2-87-OC

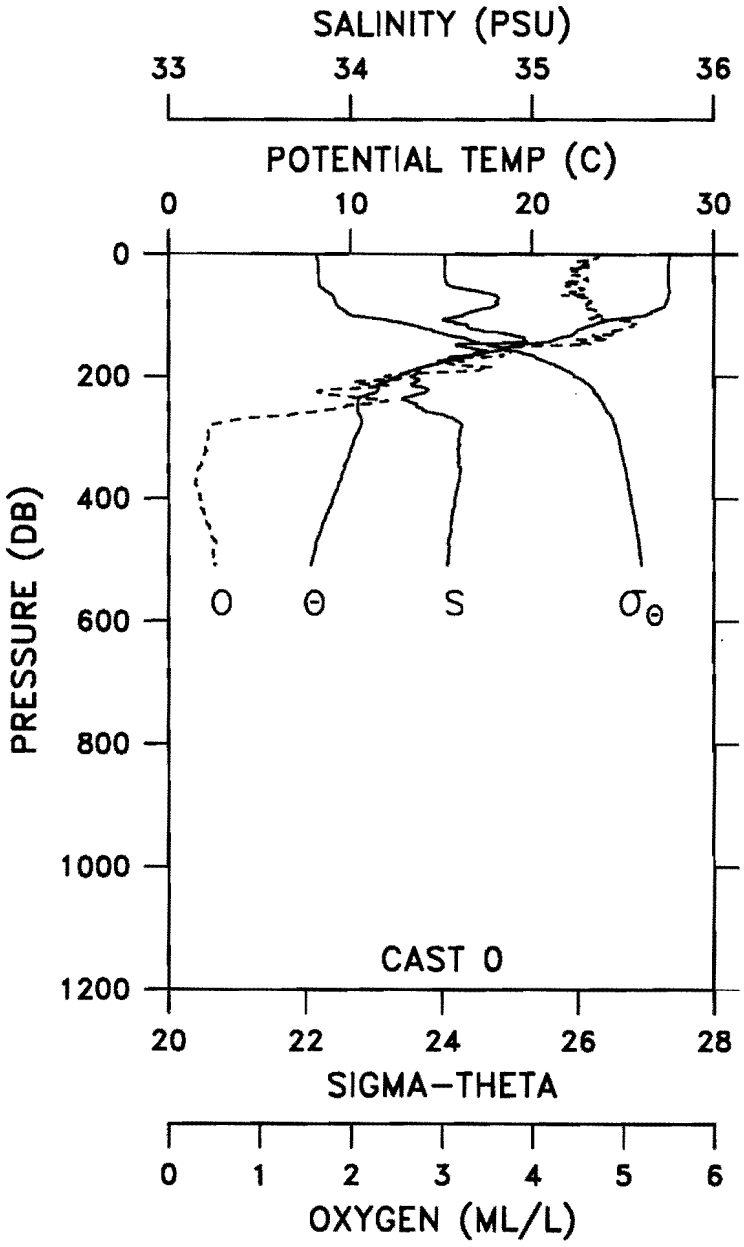
October 6–November 4, 1987

CTD/O_2 and Hydrographic Data Summary

CAST EP2-87-OC -000 DATE 08 OCT 87 TIME 2315 GMT

LAT 14 22.4N LONG 151 19.1W



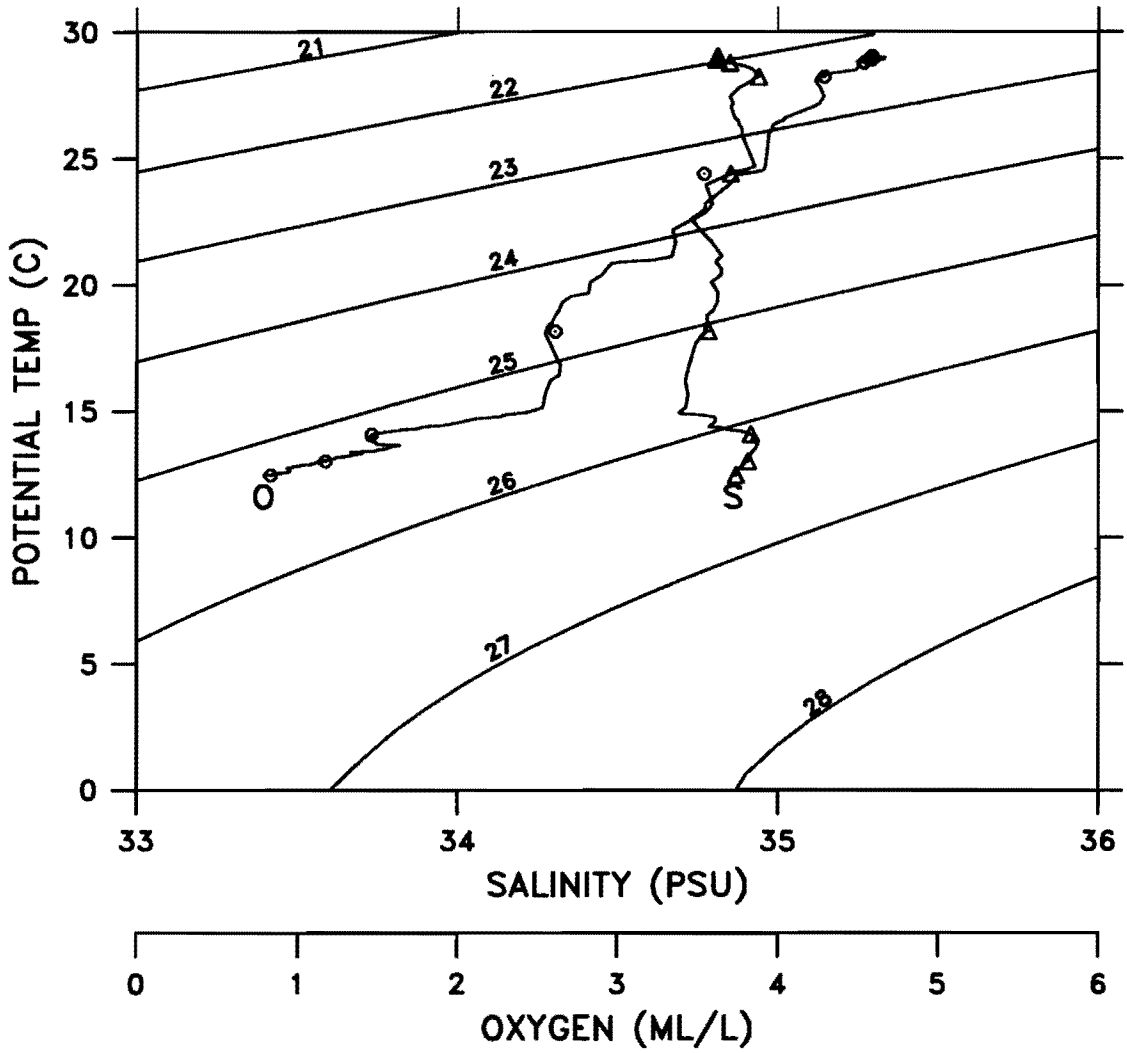


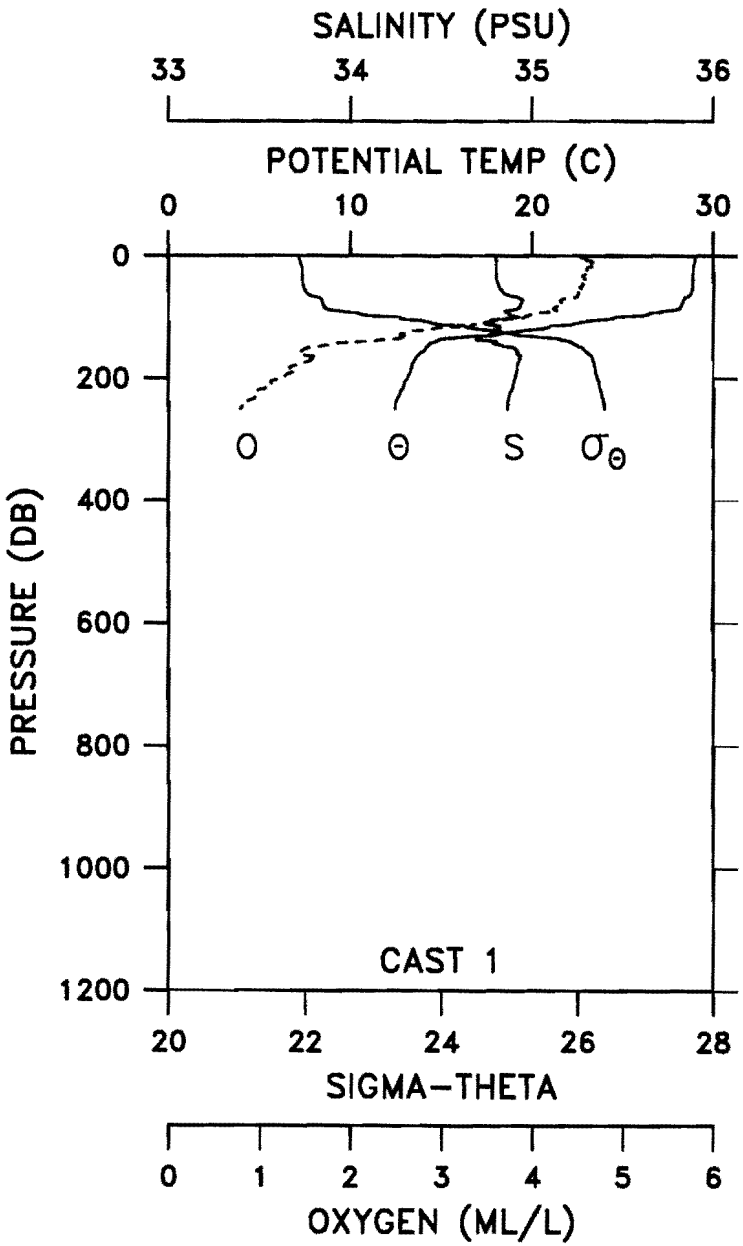
CAST EP2-87-OC -000 DATE 08 OCT 87 TIME 2315 GMT
LAT 14 22.4N LONG 151 19.1W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 065 T SPD 12 KT VISIBILITY 9
CLOUD 6 AMOUNT 2 DRY 25.3 WET 23.4 DEPTH 5469 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.589	34.516	4.74	22.166	0.000
10	27.545	34.519	4.61	22.183	0.057
20	27.514	34.517	4.61	22.192	0.113
30	27.504	34.517	4.48	22.195	0.169
40	27.501	34.520	4.59	22.197	0.226
50	27.510	34.536	4.44	22.207	0.282
60	27.576	34.688	4.56	22.300	0.338
70	27.503	34.812	4.54	22.417	0.393
80	27.385	34.806	4.63	22.451	0.447
90	26.898	34.721	4.67	22.542	0.501
100	26.226	34.619	4.75	22.677	0.554
110	24.009	34.534	5.14	23.287	0.603
120	22.890	34.645	5.03	23.698	0.647
130	22.292	34.854	4.89	24.026	0.688
140	21.218	34.949	4.48	24.397	0.725
150	18.960	34.579	3.96	24.711	0.760
160	17.648	34.718	3.75	25.143	0.790
170	15.996	34.549	3.07	25.402	0.818
180	14.591	34.476	3.12	25.658	0.843
190	13.428	34.378	3.42	25.825	0.866
200	12.623	34.335	2.38	25.953	0.887
250	10.377	34.365	1.94	26.392	0.979
300	10.243	34.598	0.43	26.597	1.058
350	9.660	34.602	0.34	26.699	1.131
400	9.004	34.572	0.34	26.783	1.199
450	8.380	34.551	0.45	26.864	1.265
500	7.887	34.534	0.50	26.925	1.326
509	7.802	34.532	0.51	26.936	1.337

CAST EP2-87-OC -001 DATE 11 OCT 87 TIME 2207 GMT

LAT 02 01.1N LONG 140 02.5W



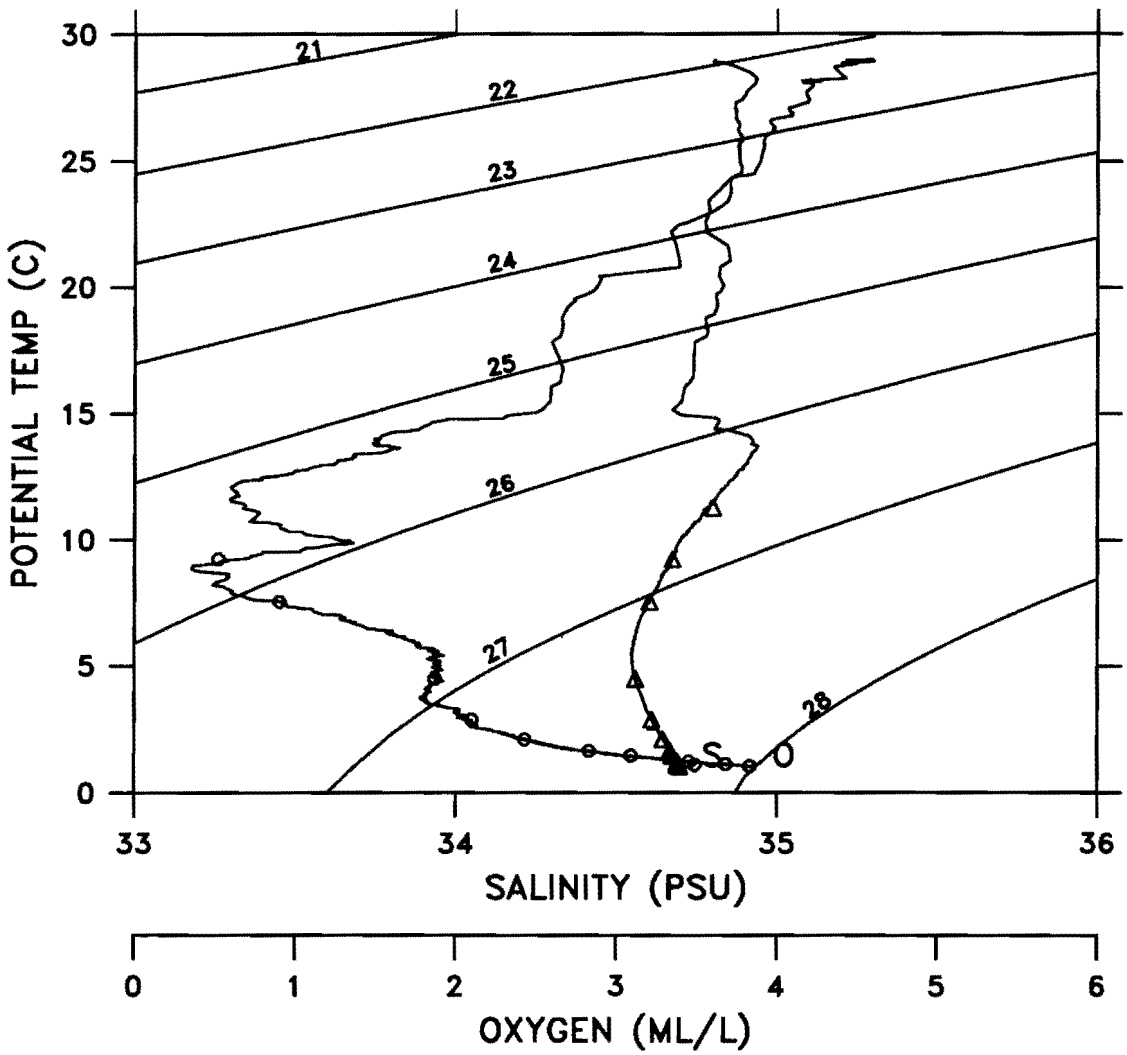


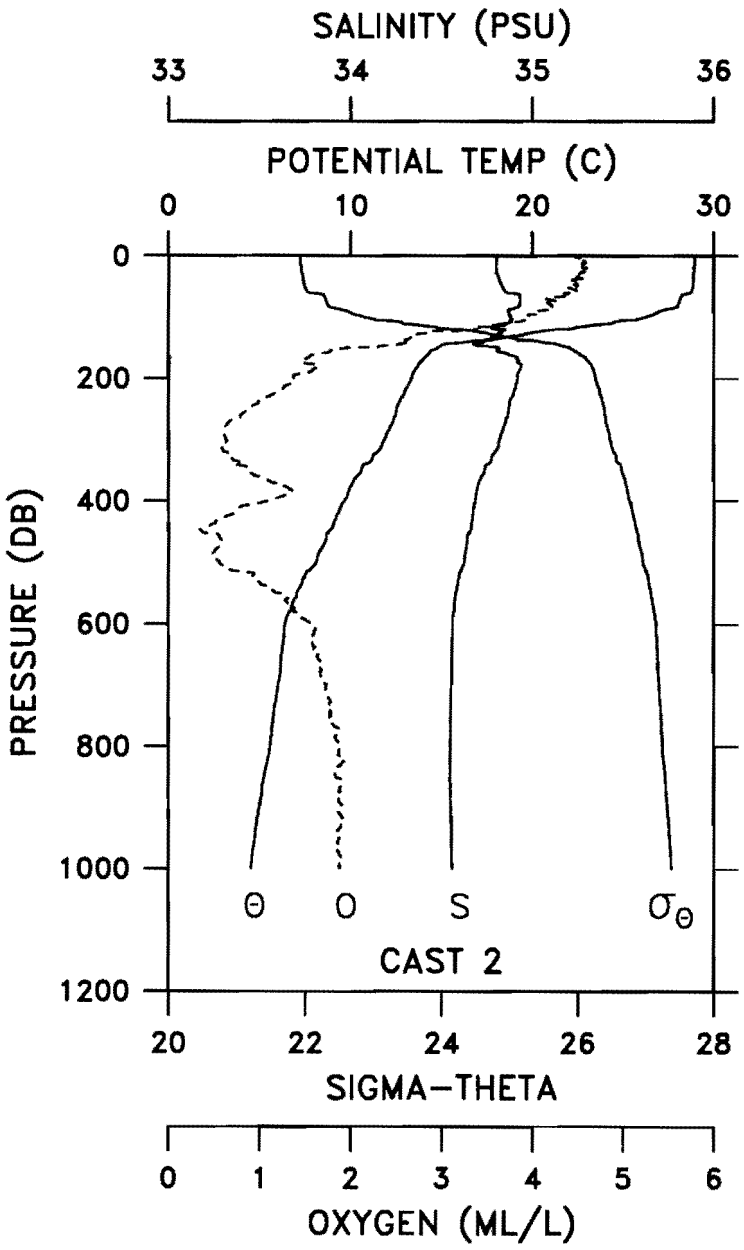
CAST EP2-87-OC -001 DATE 11 OCT 87 TIME 2207 GMT
LAT 02 01.1N LONG 140 02.5W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 130 T SPD 14 KT VISIBILITY 8
CLOUD 1 AMOUNT 3 DRY 29.2 WET 26.6 DEPTH 4475 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.020	34.799	4.57	21.909	0.000
10	28.983	34.804	4.66	21.925	0.059
20	28.894	34.803	4.61	21.954	0.118
30	28.885	34.804	4.61	21.957	0.176
40	28.879	34.806	4.59	21.962	0.235
50	28.861	34.819	4.55	21.977	0.294
60	28.798	34.842	4.51	22.015	0.352
70	28.378	34.934	4.36	22.223	0.410
80	28.255	34.937	4.26	22.266	0.466
90	27.443	34.850	4.29	22.465	0.521
100	24.676	34.927	3.92	23.386	0.572
110	22.515	34.735	3.44	23.873	0.615
120	20.118	34.791	2.83	24.573	0.652
130	17.675	34.743	2.58	25.155	0.683
140	14.706	34.807	2.11	25.888	0.707
150	14.171	34.898	1.53	26.073	0.727
160	13.812	34.916	1.46	26.162	0.747
170	13.562	34.931	1.56	26.225	0.765
180	13.382	34.918	1.35	26.253	0.784
190	13.296	34.915	1.36	26.267	0.802
200	13.147	34.906	1.23	26.291	0.819
250	12.468	34.865	0.79	26.394	0.906
251	12.465	34.865	0.78	26.395	0.907

CAST EP2-87-OC -002 DATE 12 OCT 87 TIME 0353 GMT

LAT 02 00.2N LONG 140 04.1W



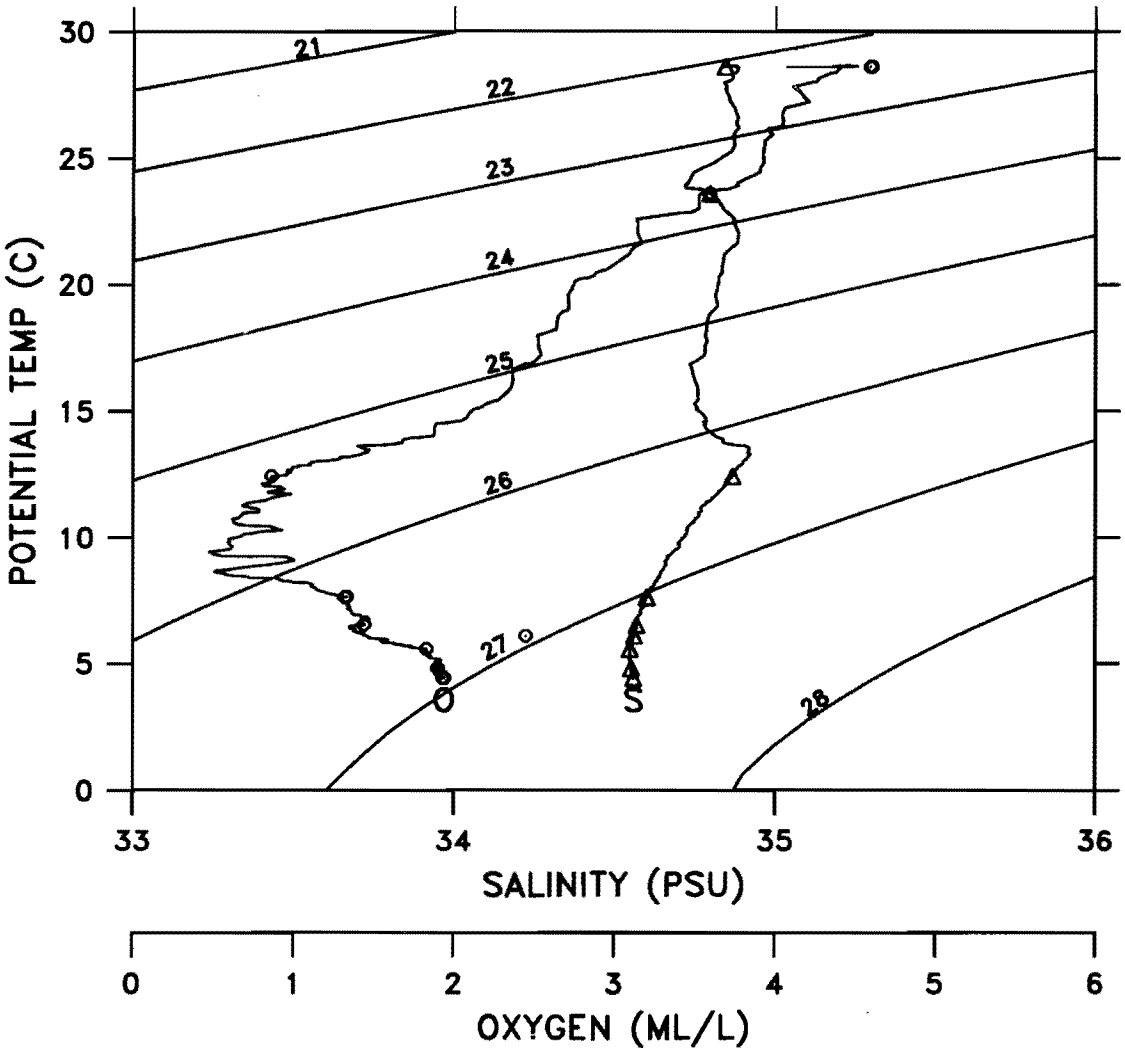


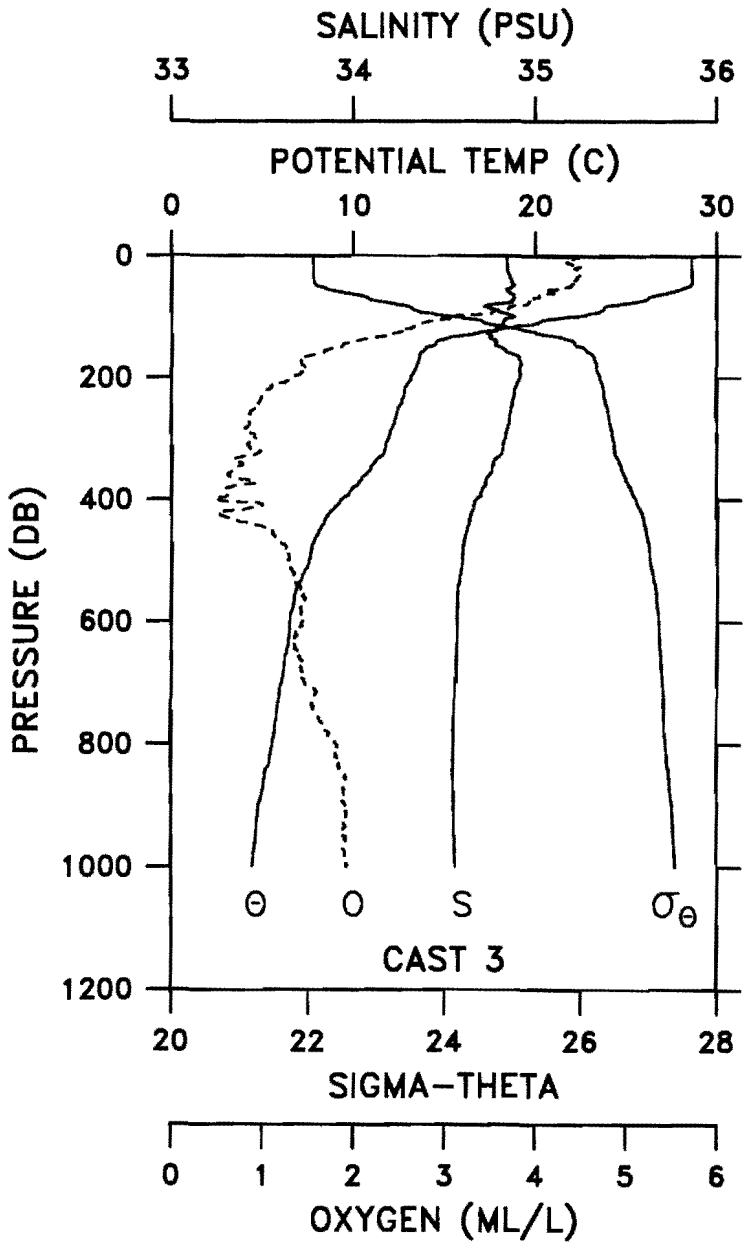
CAST EP2-87-OC -002 DATE 12 OCT 87 TIME 0353 GMT
LAT 02 00.2N LONG 140 04.1W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 140 T SPD 20 KT VISIBILITY 9
CLOUD 6 AMOUNT 5 DRY 28.0 WET 26.0 DEPTH 4352 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.964	34.801	4.43	21.929	0.000
10	28.975	34.804	4.57	21.928	0.059
20	28.928	34.804	4.60	21.943	0.118
30	28.890	34.808	4.52	21.959	0.176
40	28.882	34.818	4.44	21.969	0.235
50	28.857	34.834	4.49	21.990	0.294
60	28.765	34.860	4.42	22.039	0.352
70	28.160	34.933	4.15	22.294	0.408
80	28.067	34.930	4.21	22.323	0.464
90	27.073	34.866	4.07	22.595	0.518
100	26.276	34.875	3.98	22.855	0.570
110	24.394	34.864	3.74	23.423	0.617
120	21.637	34.845	3.37	24.203	0.659
130	19.245	34.812	2.69	24.816	0.693
140	16.453	34.737	2.65	25.441	0.722
150	14.780	34.815	1.95	25.878	0.745
160	14.284	34.865	1.64	26.023	0.766
170	14.001	34.917	1.49	26.124	0.786
180	13.703	34.938	1.59	26.202	0.805
190	13.456	34.923	1.54	26.242	0.823
200	13.352	34.918	1.38	26.259	0.841
250	12.522	34.870	0.88	26.387	0.929
300	11.871	34.820	0.63	26.474	1.012
350	10.588	34.737	0.90	26.645	1.090
400	9.669	34.684	1.10	26.762	1.160
450	8.827	34.658	0.36	26.878	1.226
500	8.097	34.626	0.56	26.966	1.287
550	7.034	34.579	1.22	27.082	1.342
600	6.389	34.562	1.58	27.156	1.393
650	6.202	34.558	1.64	27.178	1.443
700	6.004	34.554	1.72	27.200	1.491
750	5.759	34.551	1.78	27.228	1.539
800	5.557	34.548	1.89	27.251	1.585
900	4.984	34.550	1.88	27.320	1.674
1000	4.520	34.558	1.89	27.379	1.756
1500	2.920	34.609	2.06	27.580	2.099
2000	2.119	34.645	2.42	27.678	2.378
2500	1.661	34.668	2.81	27.732	2.621
3000	1.474	34.677	3.04	27.753	2.853
3500	1.229	34.691	3.39	27.781	3.076
4000	1.105	34.697	3.73	27.795	3.290
4397	1.051	34.699	3.84	27.800	3.463

CAST EP2-87-OC -003 DATE 12 OCT 87 TIME 0913 GMT

LAT 01 30.0N LONG 140 00.5W



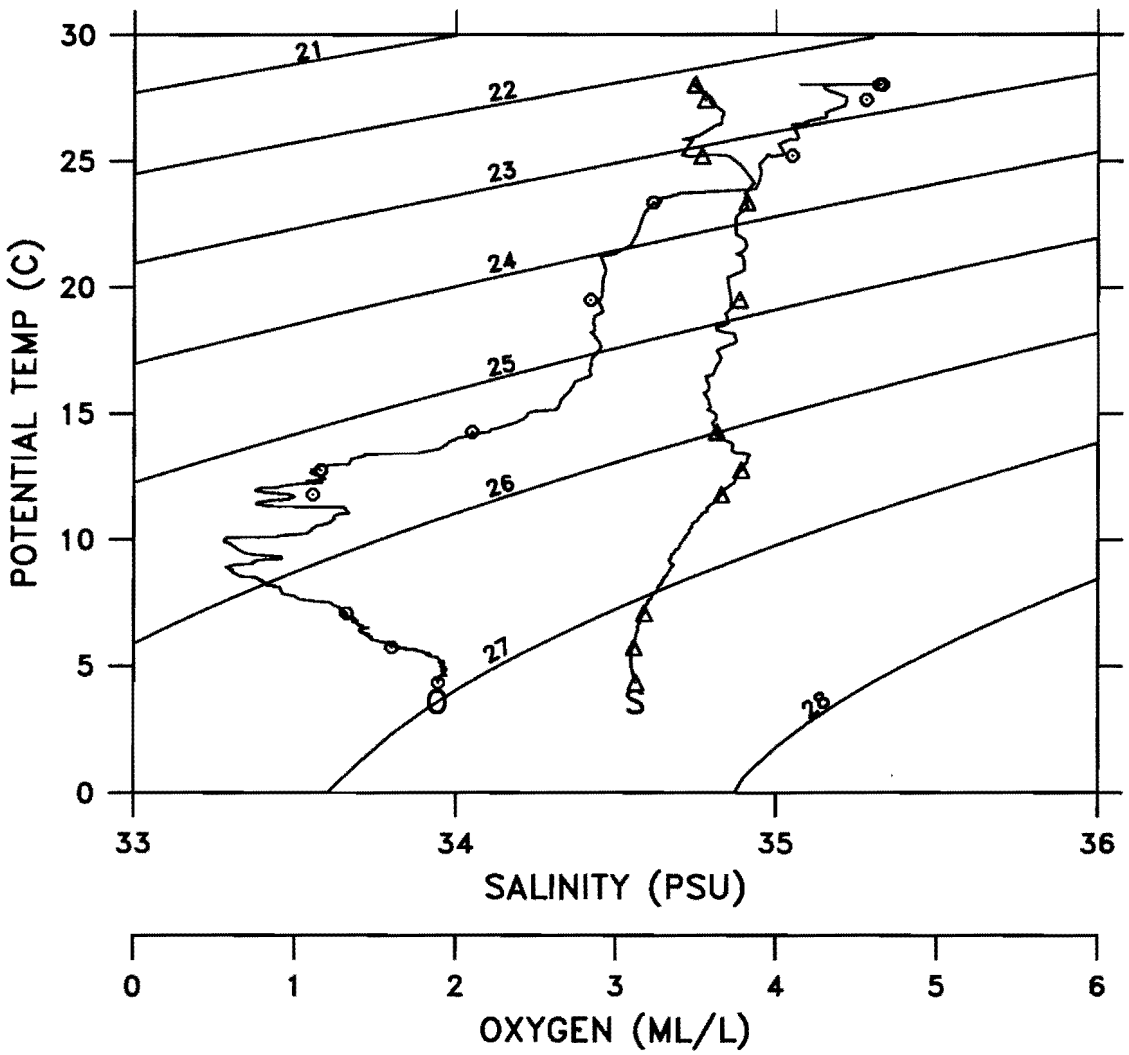


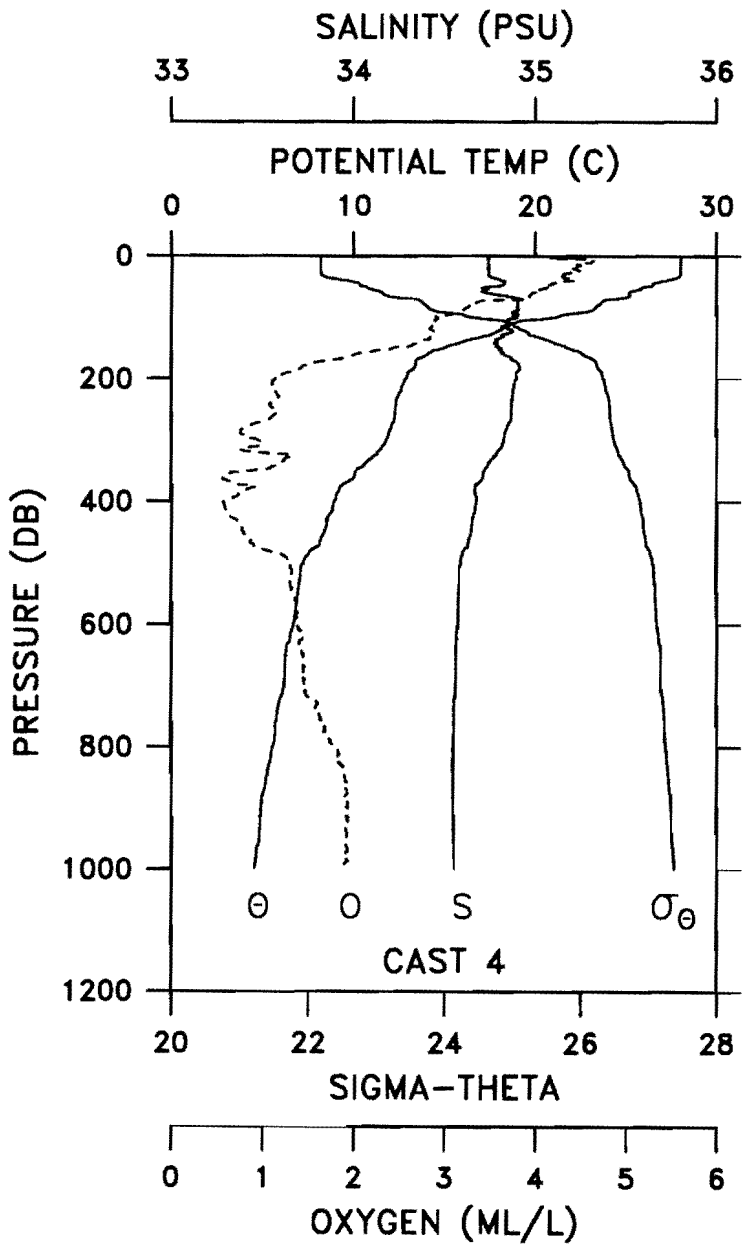
CAST EP2-87-OC -003 DATE 12 OCT 87 TIME 0913 GMT
LAT 01 30.0N LONG 140 00.5W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 130 T SPD 14 KT VISIBILITY 9
CLOUD 6 AMOUNT 5 DRY 28.6 WET 26.0 DEPTH 4469 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.611	34.837	4.07	22.074	0.000
10	28.630	34.846	4.34	22.074	0.057
20	28.633	34.846	4.43	22.073	0.115
30	28.641	34.853	4.49	22.076	0.172
40	28.649	34.870	4.43	22.085	0.230
50	28.402	34.879	4.38	22.174	0.287
60	27.288	34.857	4.19	22.520	0.343
70	26.178	34.884	3.95	22.892	0.394
80	24.443	34.745	3.90	23.318	0.442
90	23.622	34.793	3.55	23.598	0.486
100	21.651	34.882	3.17	24.227	0.527
110	20.133	34.824	2.75	24.594	0.562
120	18.113	34.783	2.58	25.079	0.593
130	16.240	34.748	2.37	25.500	0.620
140	14.587	34.784	2.03	25.896	0.643
150	14.011	34.813	1.87	26.041	0.664
160	13.667	34.867	1.60	26.155	0.684
170	13.588	34.911	1.40	26.205	0.703
180	13.481	34.920	1.45	26.234	0.721
190	13.367	34.913	1.46	26.252	0.739
200	13.180	34.915	1.34	26.291	0.757
250	12.440	34.865	0.93	26.400	0.844
300	11.910	34.832	0.94	26.477	0.927
350	10.948	34.761	0.68	26.599	1.006
400	9.318	34.672	0.51	26.810	1.077
450	8.123	34.624	1.12	26.961	1.138
500	7.558	34.597	1.29	27.022	1.195
550	6.823	34.572	1.46	27.106	1.249
600	6.510	34.568	1.43	27.145	1.300
650	6.317	34.566	1.37	27.169	1.350
700	6.053	34.560	1.46	27.198	1.399
750	5.816	34.554	1.59	27.224	1.446
800	5.554	34.548	1.82	27.251	1.493
900	4.802	34.551	1.91	27.342	1.580
1000	4.446	34.559	1.91	27.388	1.662
1011	4.421	34.559	1.94	27.391	1.670

CAST EP2-87-OC -004 DATE 12 OCT 87 TIME 1303 GMT

LAT 00 59.6N LONG 140 00.6W



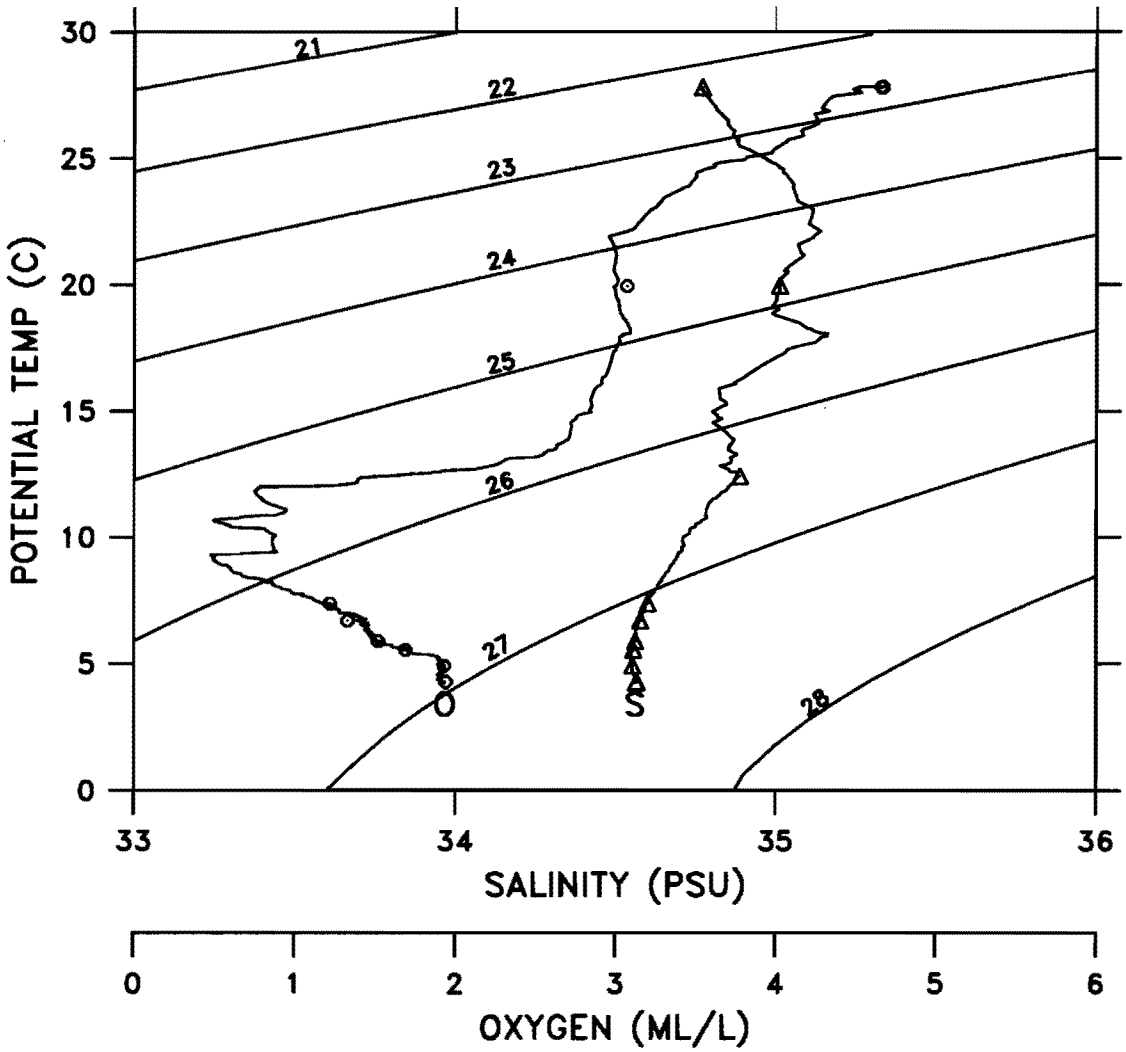


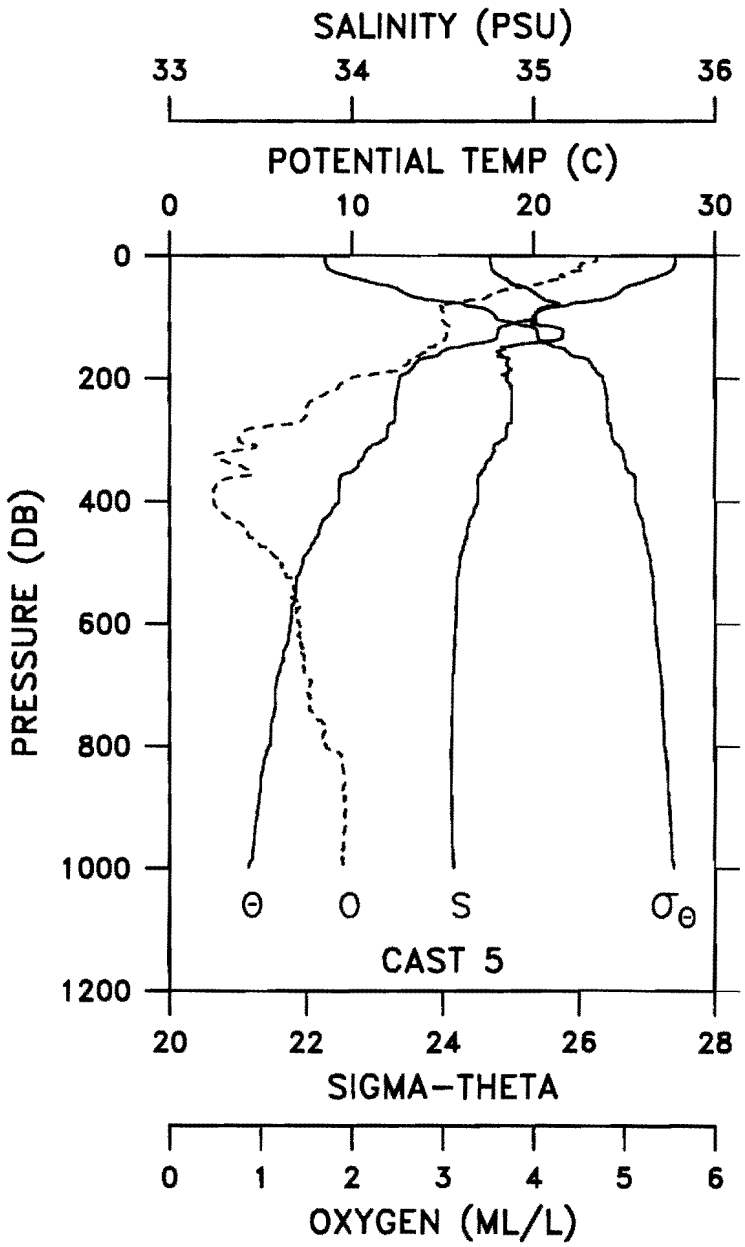
CAST EP2-87-OC -004 DATE 12 OCT 87 TIME 1303 GMT
LAT 00 59.6N LONG 140 00.6W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 115 T SPD 18 KT VISIBILITY 9
CLOUD 8 AMOUNT 5 DRY 27.0 WET 25.0 DEPTH 4383 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.041	34.736	4.46	22.185	0.000
10	28.042	34.742	4.61	22.189	0.056
20	28.041	34.742	4.40	22.189	0.113
30	28.023	34.743	4.33	22.196	0.169
40	27.202	34.806	4.43	22.509	0.224
50	26.013	34.759	4.13	22.849	0.276
60	25.171	34.730	3.97	23.087	0.325
70	24.151	34.930	3.89	23.545	0.372
80	23.495	34.904	3.27	23.719	0.415
90	22.970	34.890	3.18	23.860	0.456
100	21.069	34.898	2.91	24.399	0.494
110	18.758	34.847	2.86	24.967	0.526
120	18.167	34.869	2.86	25.131	0.556
130	17.234	34.826	2.86	25.326	0.583
140	15.977	34.789	2.72	25.592	0.609
150	14.997	34.808	2.44	25.826	0.632
160	14.057	34.828	2.02	26.043	0.653
170	13.433	34.879	1.76	26.212	0.672
180	13.385	34.912	1.44	26.247	0.691
190	12.980	34.895	1.27	26.316	0.709
200	12.868	34.899	1.14	26.341	0.726
250	12.283	34.870	1.15	26.434	0.810
300	11.803	34.825	0.95	26.491	0.892
350	10.118	34.720	0.88	26.713	0.968
400	8.939	34.675	0.59	26.874	1.035
450	8.399	34.647	0.79	26.936	1.096
500	7.259	34.589	1.28	27.059	1.153
550	6.930	34.579	1.34	27.097	1.205
600	6.701	34.572	1.38	27.123	1.257
650	6.271	34.563	1.44	27.173	1.308
700	6.167	34.561	1.47	27.185	1.357
750	5.769	34.554	1.63	27.229	1.404
800	5.550	34.548	1.80	27.252	1.451
900	4.922	34.549	1.94	27.326	1.539
1000	4.543	34.556	1.90	27.375	1.622
1008	4.437	34.559	1.88	27.389	1.628

CAST EP2-87-OC -005 DATE 12 OCT 87 TIME 1715 GMT

LAT 00 29.6N LONG 140 00.7W



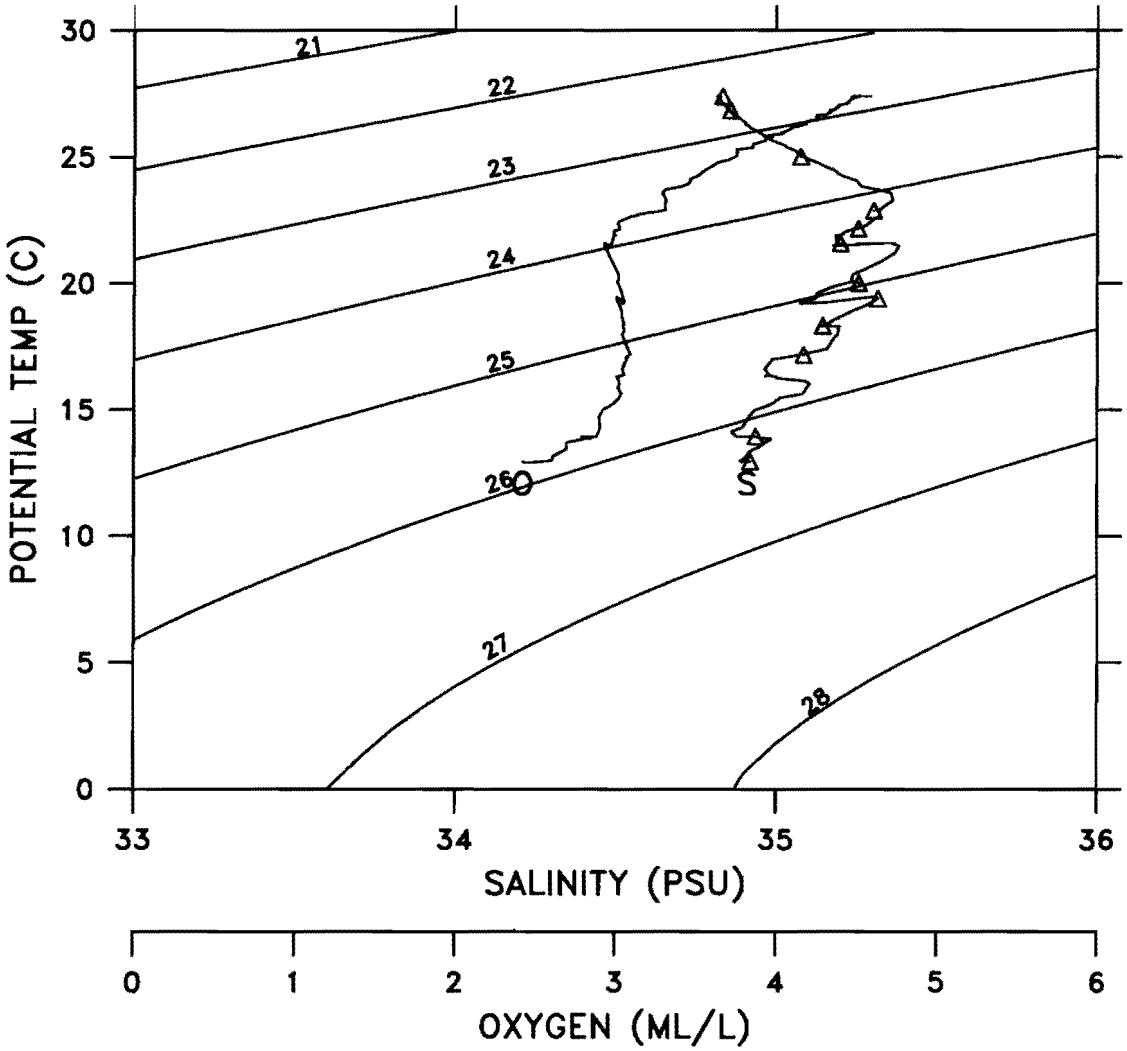


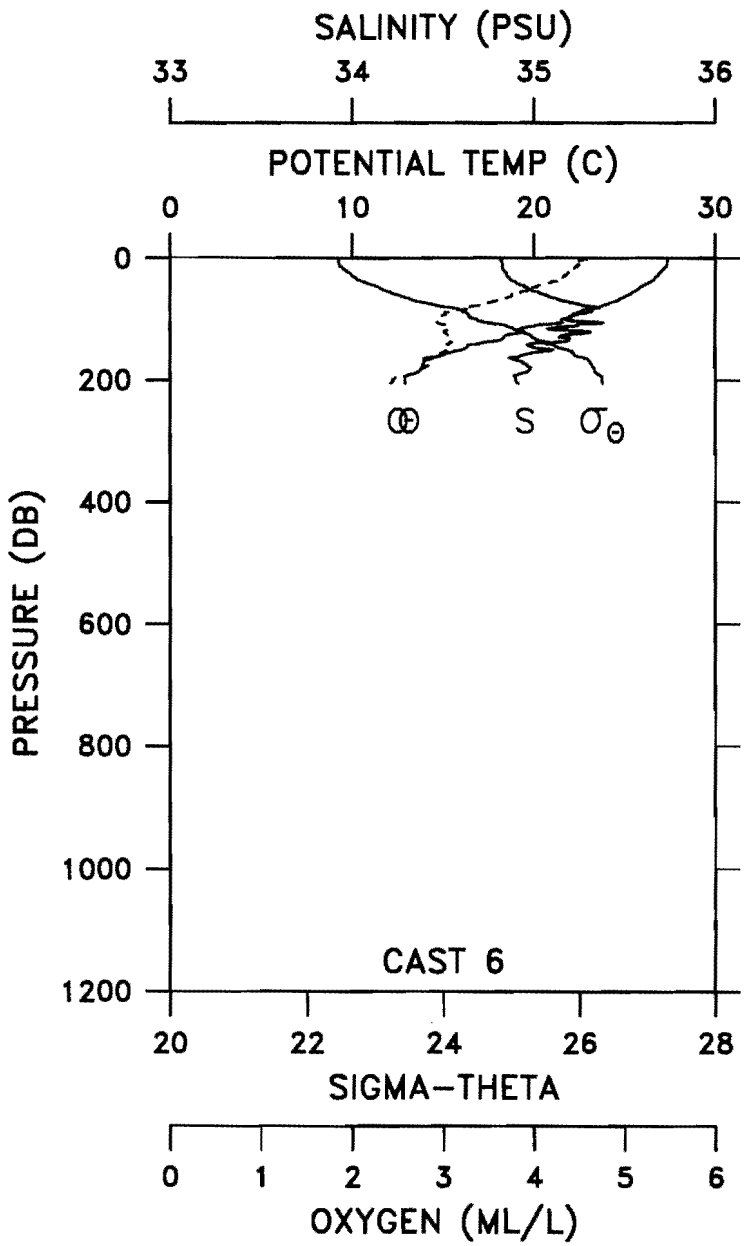
CAST EP2-87-OC -005 DATE 12 OCT 87 TIME 1715 GMT
LAT 00 29.6N LONG 140 00.7W WEATHER 1 SEA STATE 2
BAROMETER 11 WIND DIR 140 T SPD 22 KT VISIBILITY 8
CLOUD 8 AMOUNT 4 DRY 27.5 WET 24.6 DEPTH 4352 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.814	34.762	4.70	22.279	0.000
10	27.819	34.763	4.63	22.277	0.055
20	27.724	34.767	4.48	22.312	0.111
30	27.215	34.799	4.32	22.500	0.165
40	26.186	34.859	4.20	22.871	0.217
50	25.198	34.936	3.97	23.234	0.266
60	24.731	35.006	3.62	23.429	0.311
70	23.896	35.057	3.45	23.717	0.355
80	21.911	35.119	2.96	24.334	0.393
90	20.378	35.028	3.00	24.684	0.428
100	19.974	35.009	3.00	24.777	0.460
110	18.866	34.989	3.03	25.048	0.491
120	18.063	35.157	3.08	25.378	0.519
130	18.004	35.156	3.05	25.391	0.545
140	17.443	35.038	3.00	25.438	0.571
150	15.469	34.826	2.84	25.735	0.596
160	14.842	34.817	2.77	25.866	0.618
170	13.691	34.860	2.65	26.144	0.638
180	13.427	34.859	2.58	26.198	0.657
190	13.114	34.862	2.33	26.263	0.675
200	12.650	34.853	1.98	26.349	0.693
250	12.411	34.881	1.50	26.418	0.777
300	11.793	34.831	0.75	26.498	0.859
350	10.058	34.716	0.88	26.721	0.933
400	9.273	34.694	0.49	26.835	0.998
450	8.215	34.637	0.85	26.957	1.059
500	7.313	34.593	1.21	27.055	1.115
550	6.936	34.580	1.38	27.097	1.168
600	6.653	34.571	1.43	27.128	1.220
650	6.253	34.563	1.46	27.175	1.270
700	5.846	34.557	1.54	27.222	1.318
750	5.727	34.554	1.60	27.235	1.364
800	5.461	34.549	1.71	27.263	1.410
900	4.854	34.550	1.91	27.336	1.496
1000	4.334	34.562	1.89	27.402	1.577
1036	4.253	34.561	1.93	27.410	1.605

CAST EP2-87-OC -006 DATE 13 OCT 87 TIME 0014 GMT

LAT 00 00.3N LONG 139 58.7W



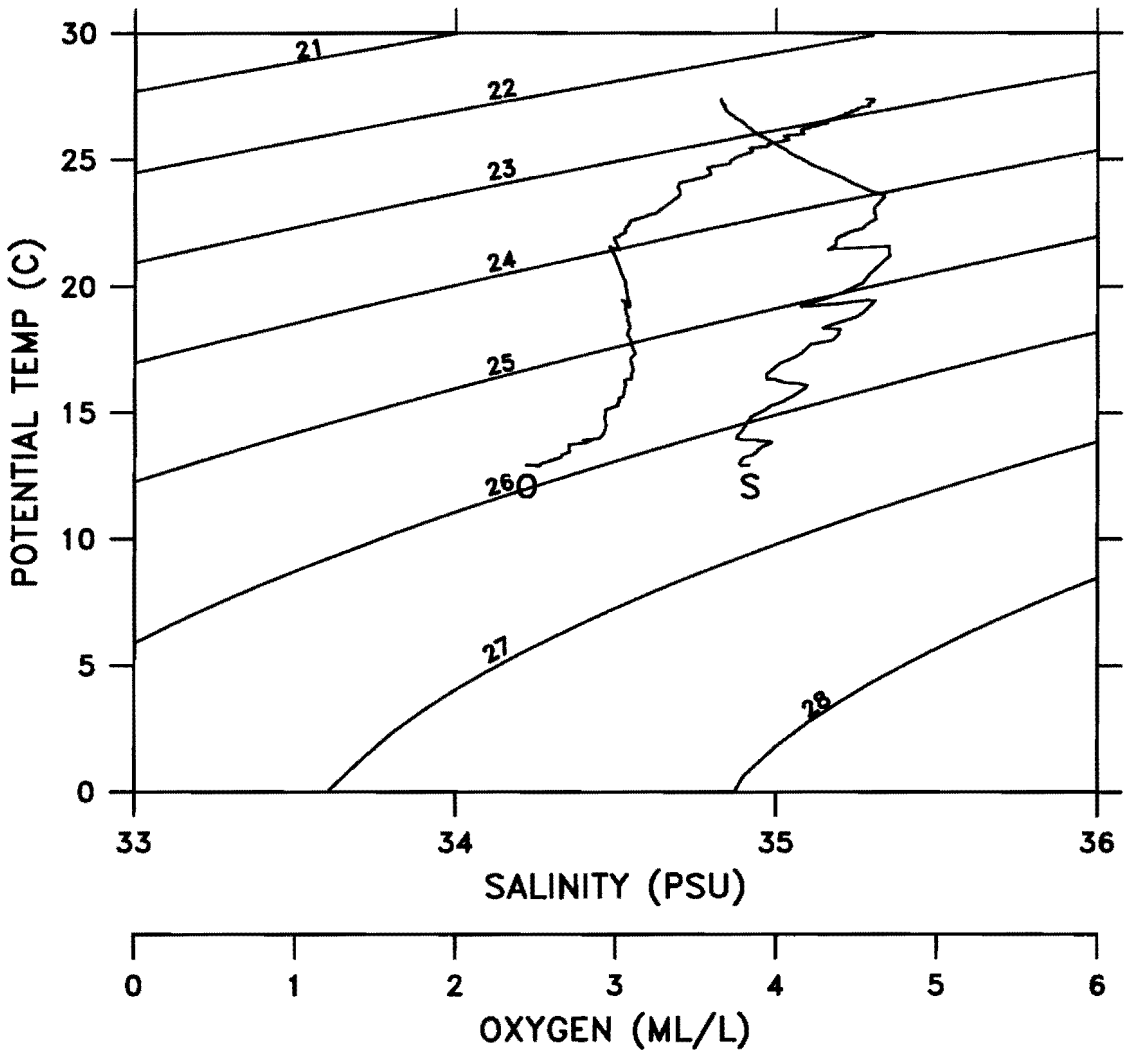


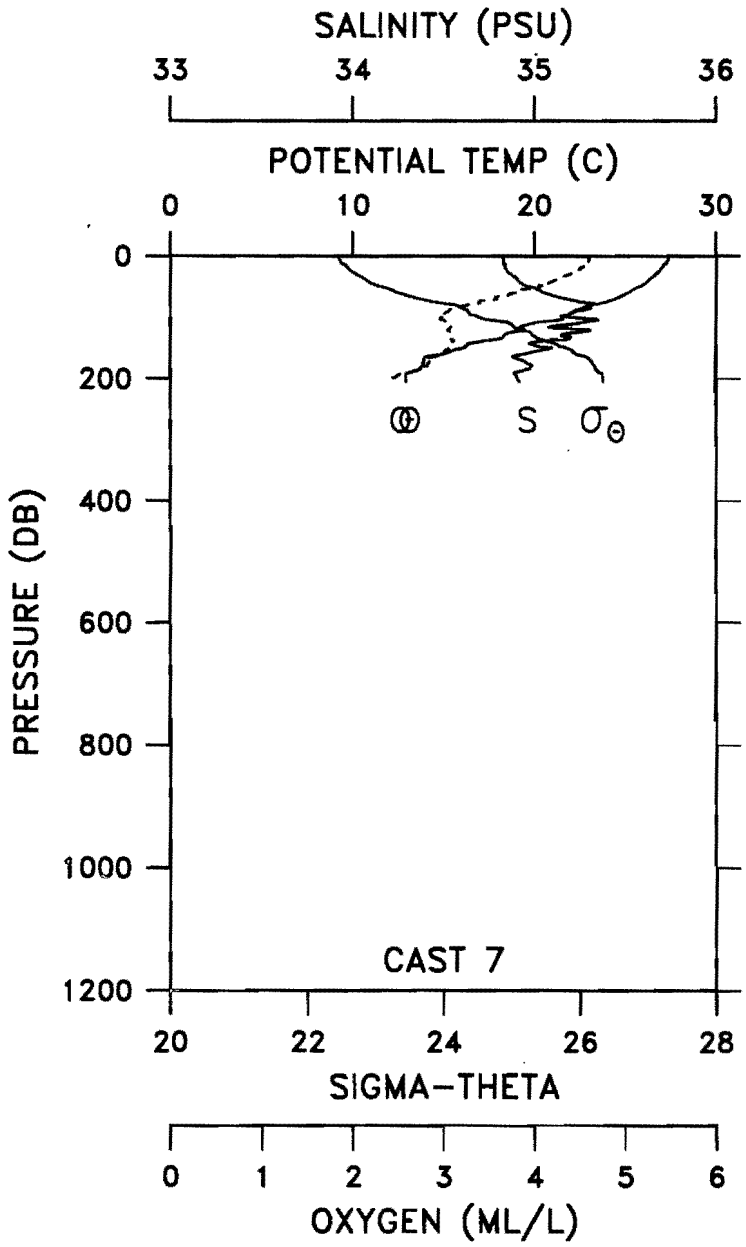
CAST EP2-87-OC -006 DATE 13 OCT 87 TIME 0014 GMT
LAT 00 00.3N LONG 139 58.7W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 120 T SPD 16 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 28.5 WET 25.8 DEPTH 4383 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.382	34.815	4.59	22.458	0.000
10	27.360	34.826	4.48	22.474	0.054
20	27.074	34.834	4.42	22.571	0.107
30	26.793	34.853	4.34	22.675	0.159
40	26.362	34.902	4.18	22.848	0.210
50	25.781	34.966	3.97	23.078	0.259
60	25.227	35.057	3.76	23.317	0.306
70	24.562	35.160	3.58	23.597	0.351
80	23.565	35.354	3.29	24.039	0.392
90	22.369	35.286	3.01	24.333	0.429
100	21.511	35.190	2.97	24.500	0.465
110	20.119	35.233	3.02	24.909	0.498
120	19.465	35.302	3.01	25.133	0.528
130	18.323	35.166	3.05	25.320	0.555
140	17.000	34.989	3.07	25.507	0.581
150	16.009	35.105	3.02	25.828	0.605
160	14.890	34.926	2.92	25.940	0.626
170	13.925	34.939	2.82	26.156	0.646
180	13.811	34.981	2.79	26.213	0.665
190	13.230	34.910	2.63	26.277	0.683
200	12.908	34.899	2.45	26.334	0.700
205	12.926	34.913	2.42	26.341	0.709

CAST EP2-87-OC -007 DATE 13 OCT 87 TIME 0050 GMT

LAT 00 00.5N LONG 139 58.7W



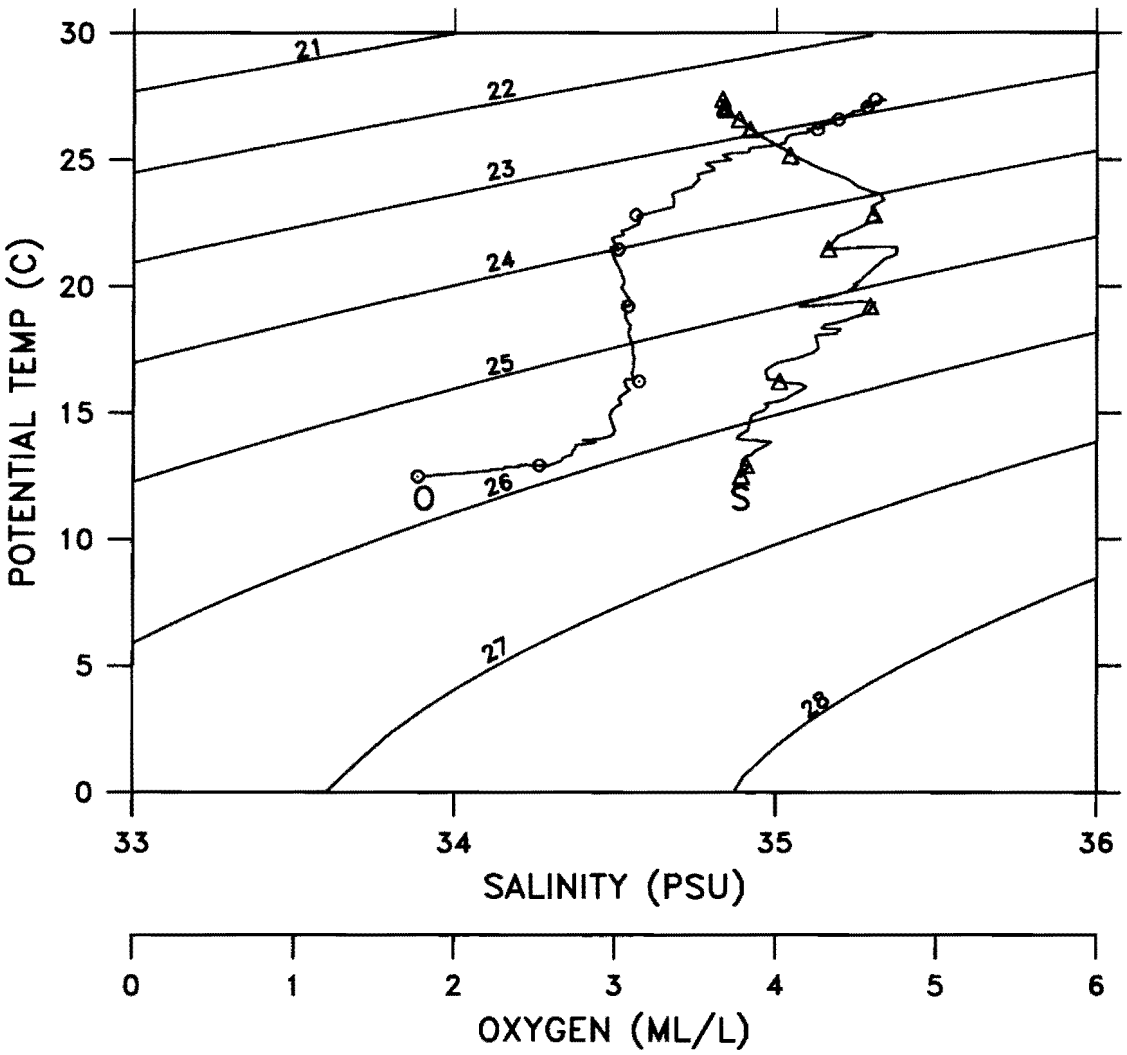


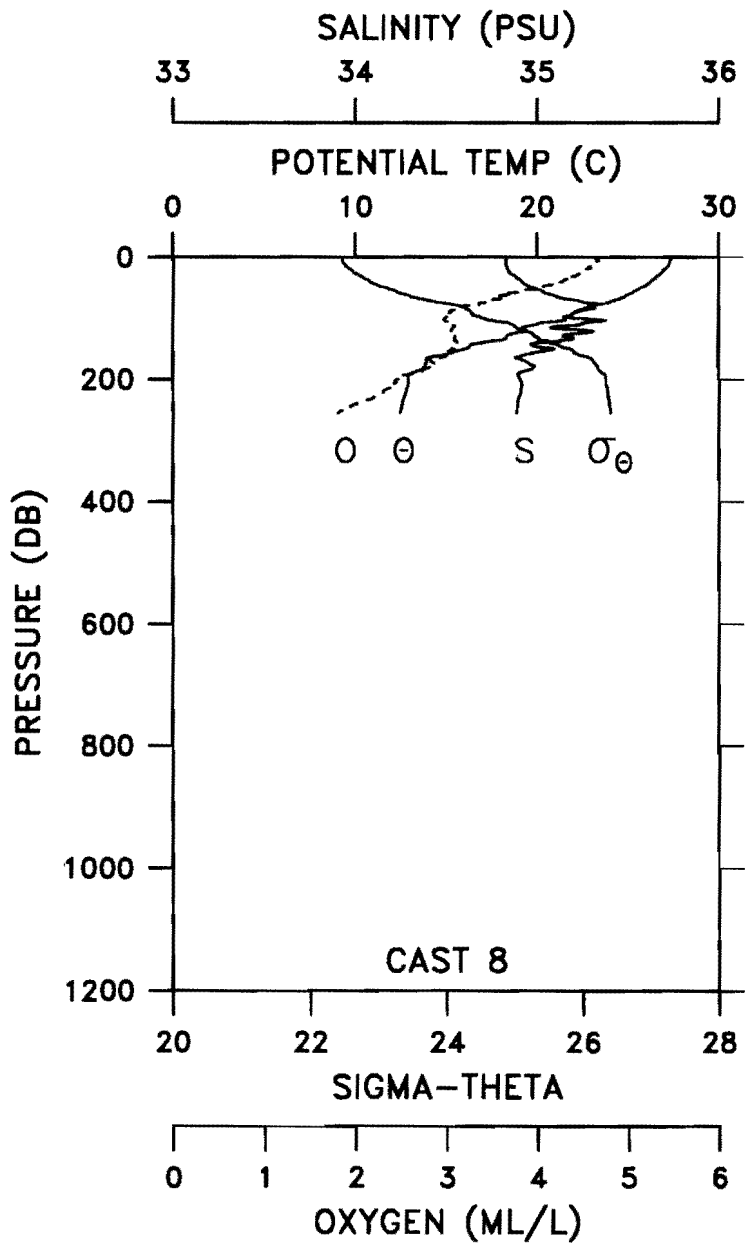
CAST EP2-87-OC -007 DATE 13 OCT 87 TIME 0050 GMT
LAT 00 00.5N LONG 139 58.7W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 120 T SPD 16 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 28.0 WET 25.8 DEPTH 4383 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.392	34.827	4.56	22.464	0.000
10	27.296	34.830	4.60	22.497	0.054
20	26.988	34.842	4.50	22.605	0.107
30	26.671	34.871	4.38	22.727	0.158
40	26.291	34.909	4.22	22.875	0.209
50	25.771	34.975	4.08	23.088	0.258
60	25.169	35.053	3.79	23.331	0.305
70	24.424	35.176	3.59	23.650	0.349
80	22.941	35.306	3.27	24.184	0.389
90	22.136	35.227	3.06	24.354	0.426
100	21.498	35.211	2.99	24.519	0.462
110	19.913	35.232	3.06	24.963	0.494
120	19.450	35.286	3.04	25.125	0.524
130	18.317	35.148	3.08	25.308	0.551
140	16.951	35.012	3.10	25.536	0.577
150	16.077	35.094	3.06	25.804	0.601
160	14.971	34.943	2.94	25.935	0.623
170	13.917	34.928	2.79	26.150	0.642
180	13.801	34.981	2.81	26.215	0.661
190	13.218	34.897	2.65	26.270	0.679
200	12.913	34.905	2.44	26.337	0.697
206	12.925	34.915	2.44	26.343	0.707

CAST EP2-87-OC -008 DATE 13 OCT 87 TIME 0105 GMT

LAT 00 01.1N LONG 139 56.3W



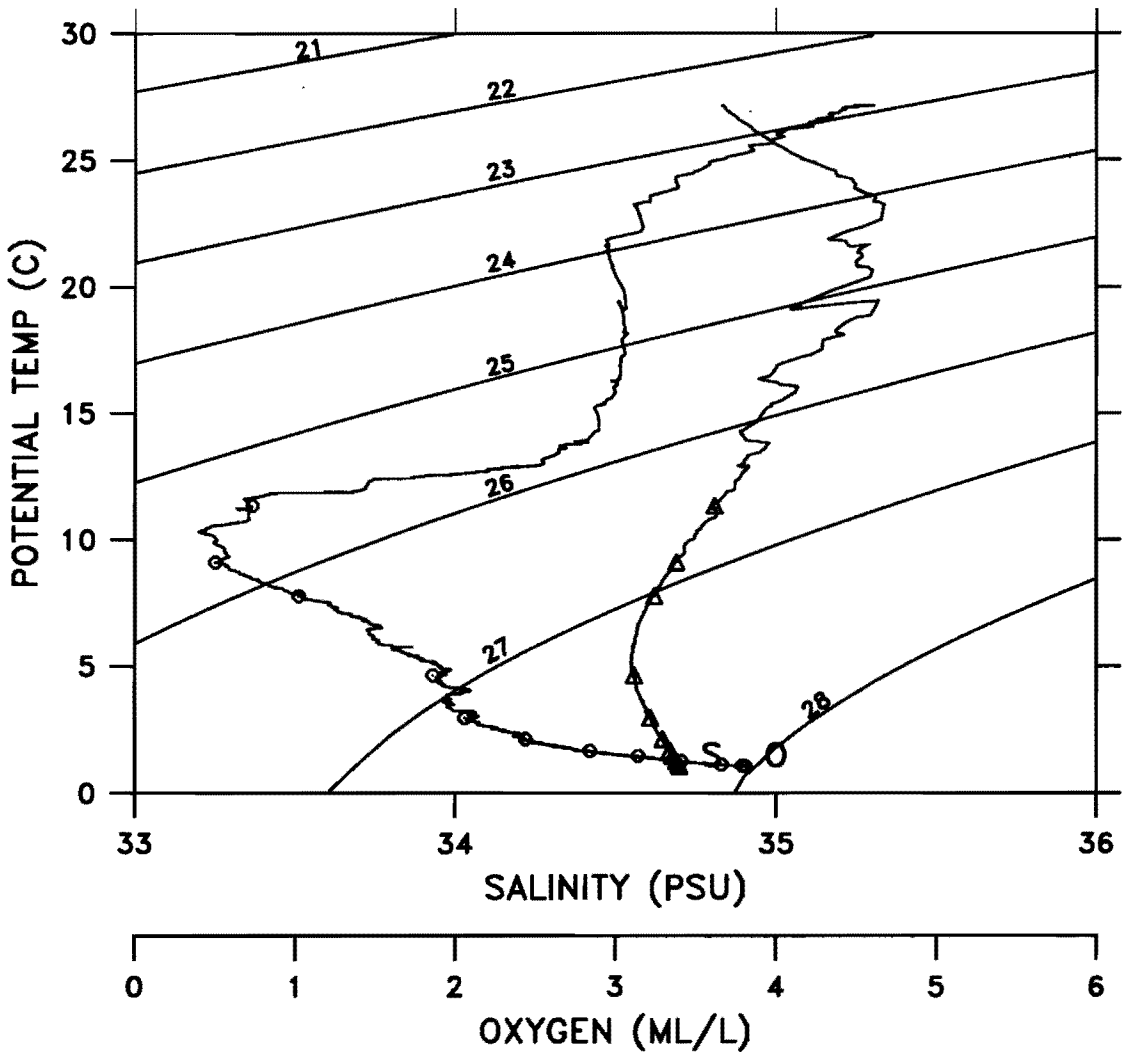


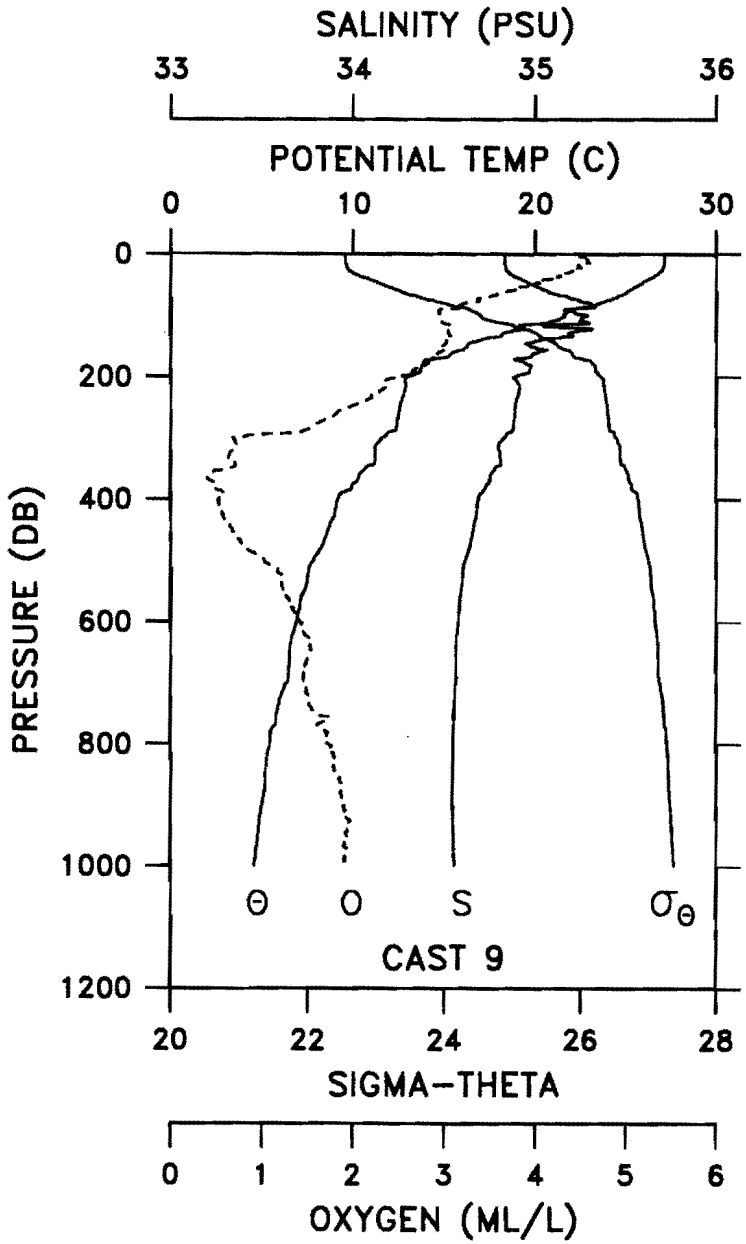
CAST EP2-87-OC -008 DATE 13 OCT 87 TIME 0105 GMT
LAT 00 01.1N LONG 139 56.3W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 120 T SPD 14 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 27.8 WET 26.0 DEPTH 4383 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.366	34.830	4.68	22.474	0.000
10	27.288	34.830	4.63	22.499	0.054
20	27.012	34.841	4.54	22.596	0.107
30	26.651	34.877	4.43	22.738	0.159
40	26.268	34.914	4.28	22.886	0.209
50	25.659	34.989	4.05	23.133	0.258
60	25.088	35.066	3.69	23.366	0.304
70	24.321	35.204	3.51	23.702	0.348
80	22.830	35.304	3.17	24.215	0.388
90	22.042	35.211	3.05	24.368	0.425
100	21.493	35.214	2.98	24.523	0.460
110	19.947	35.242	3.04	24.961	0.492
120	19.382	35.285	3.05	25.142	0.522
130	18.316	35.156	3.09	25.314	0.549
140	16.976	35.006	3.11	25.525	0.575
150	16.021	35.094	3.07	25.816	0.599
160	14.890	34.923	2.97	25.938	0.621
170	13.916	34.935	2.83	26.155	0.640
180	13.794	34.978	2.84	26.214	0.659
190	13.089	34.895	2.67	26.294	0.677
200	12.914	34.906	2.46	26.338	0.695
250	12.510	34.891	1.88	26.406	0.780
255	12.470	34.887	1.81	26.411	0.788

CAST EP2-87-OC -009 DATE 13 OCT 87 TIME 1053 GMT

LAT 00 00.5N LONG 140 01.4W



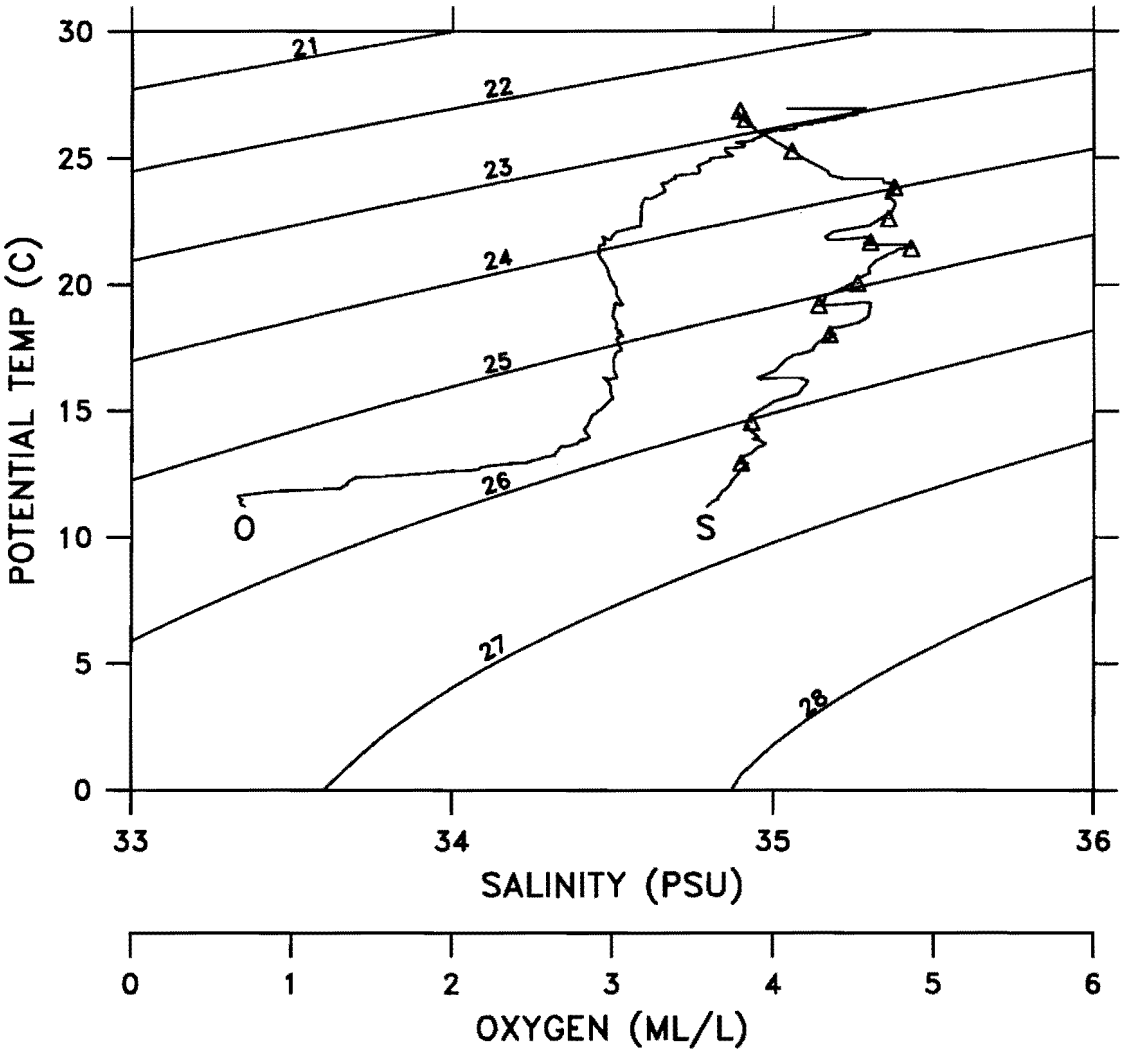


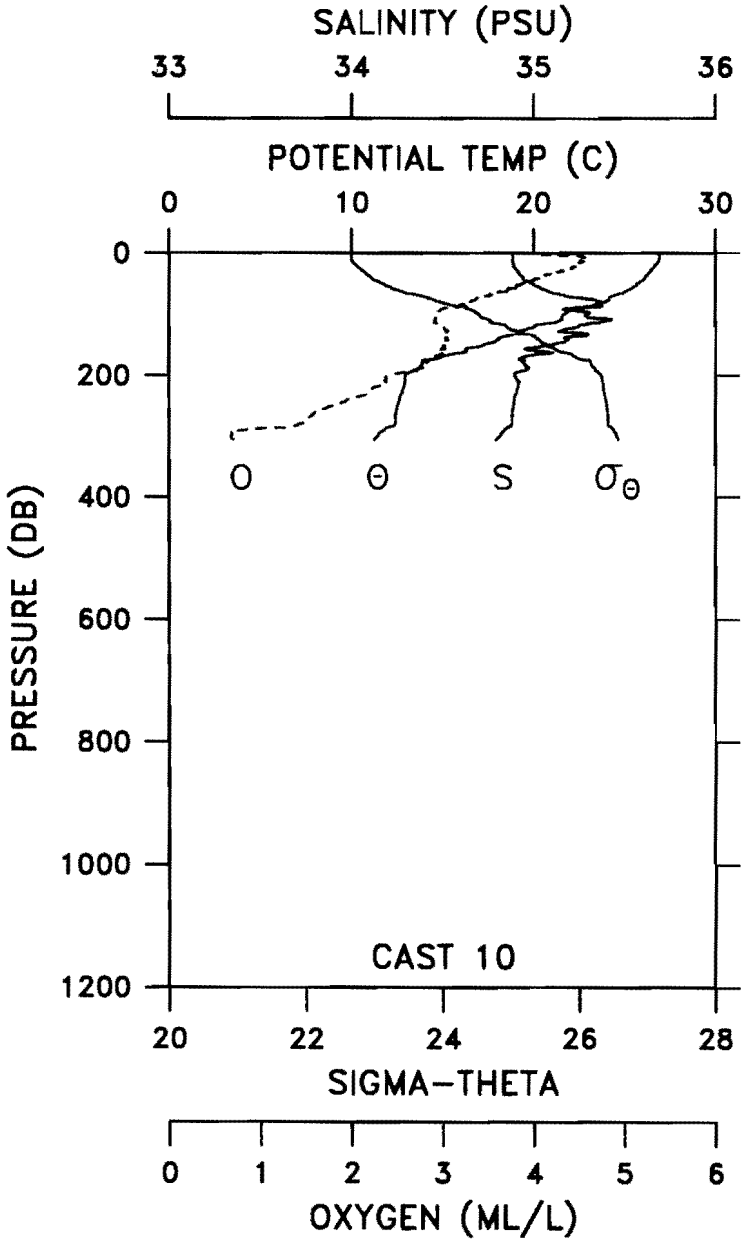
CAST EP2-87-OC -009 DATE 13 OCT 87 TIME 1053 GMT
LAT 00 00.5N LONG 140 01.4W WEATHER 1 SEA STATE 2
BAROMETER 10 WIND DIR 125 T SPD 18 KT VISIBILITY 8
CLOUD 2 AMOUNT 3 DRY 26.5 WET 24.6 DEPTH 4313 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.140	34.834	4.51	22.550	0.000
10	27.136	34.834	4.59	22.551	0.053
20	27.077	34.838	4.50	22.573	0.106
30	26.844	34.857	4.39	22.662	0.158
40	26.298	34.920	4.23	22.882	0.209
50	25.742	34.985	3.96	23.104	0.258
60	25.135	35.068	3.71	23.353	0.305
70	24.521	35.186	3.49	23.628	0.349
80	23.576	35.308	3.21	24.001	0.390
90	21.908	35.166	2.96	24.372	0.428
100	21.664	35.290	2.94	24.534	0.463
110	20.804	35.250	2.98	24.739	0.497
120	19.368	35.233	3.02	25.106	0.527
130	18.211	35.184	3.05	25.362	0.555
140	17.035	35.031	3.03	25.531	0.581
150	16.263	34.976	2.97	25.669	0.605
160	15.531	35.022	2.95	25.871	0.628
170	14.676	34.942	2.89	25.999	0.649
180	13.847	34.957	2.80	26.186	0.668
190	13.716	34.971	2.66	26.225	0.687
200	13.017	34.902	2.55	26.314	0.705
250	12.571	34.891	1.96	26.395	0.791
300	11.604	34.827	0.68	26.530	0.874
350	10.676	34.778	0.63	26.662	0.950
400	9.163	34.690	0.52	26.850	1.019
450	8.629	34.660	0.67	26.911	1.081
500	7.796	34.618	1.03	27.005	1.141
550	7.307	34.594	1.25	27.056	1.196
600	6.895	34.579	1.41	27.102	1.249
650	6.516	34.567	1.51	27.144	1.301
700	6.362	34.566	1.46	27.163	1.351
750	5.791	34.556	1.61	27.229	1.399
800	5.420	34.550	1.72	27.269	1.445
900	5.001	34.549	1.91	27.317	1.533
1000	4.567	34.556	1.90	27.373	1.616
1500	2.952	34.606	2.11	27.575	1.962
2000	2.097	34.645	2.43	27.680	2.239
2500	1.648	34.668	2.81	27.733	2.485
3000	1.468	34.677	3.07	27.753	2.715
3500	1.274	34.686	3.36	27.775	2.941
4000	1.080	34.697	3.77	27.797	3.156
4336	1.063	34.697	3.80	27.798	3.301

CAST EP2-87-OC -010 DATE 14 OCT 87 TIME 0350 GMT

LAT 00 02.1S LONG 139 57.6W



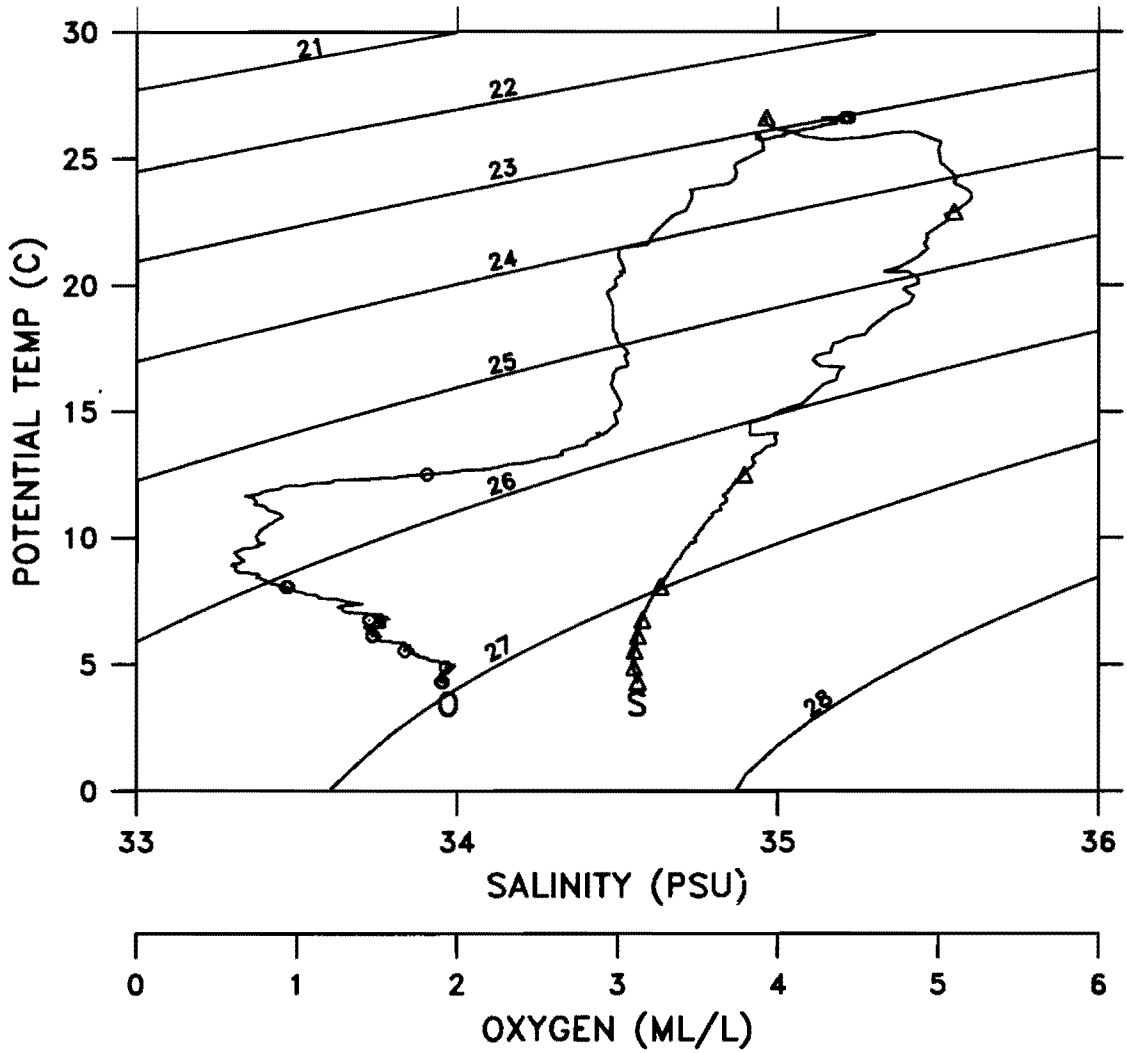


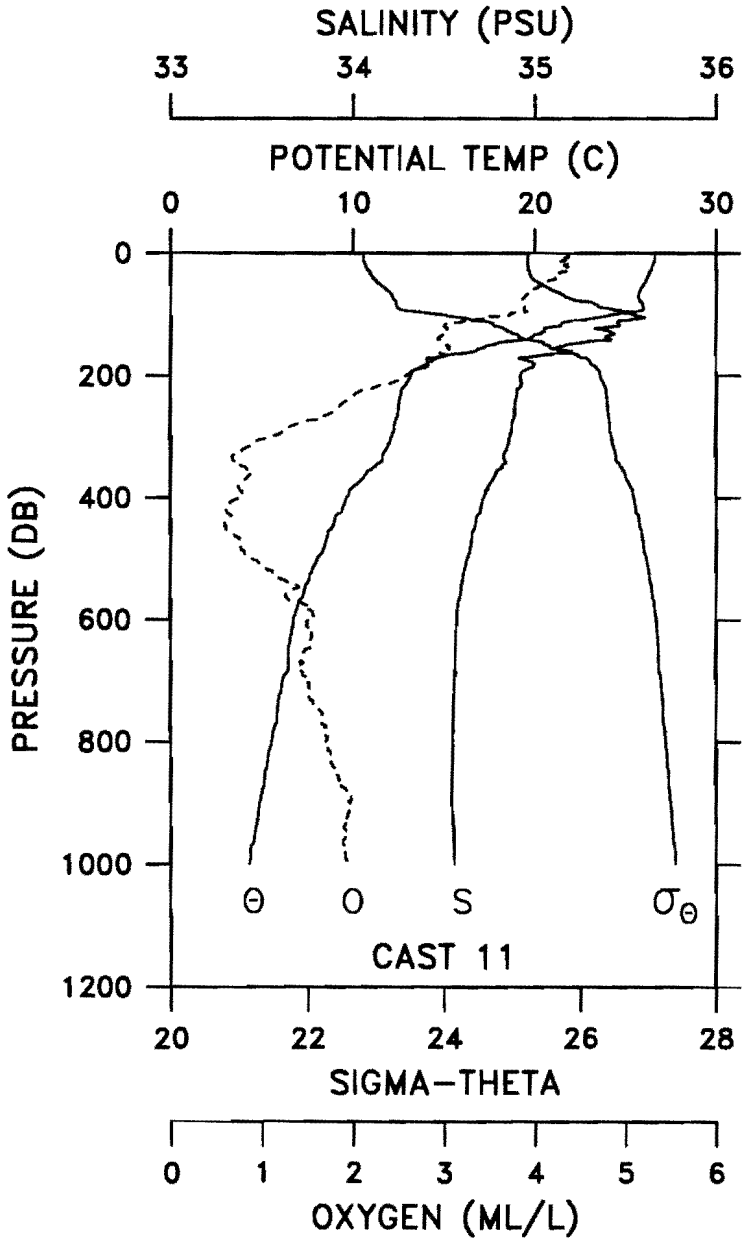
CAST EP2-87-OC -010 DATE 14 OCT 87 TIME 0350 GMT
LAT 00 02.1S LONG 139 57.6W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 105 T SPD 14 KT VISIBILITY 9
CLOUD 3 AMOUNT 3 DRY 27.0 WET 25.0 DEPTH 4322 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.911	34.887	4.08	22.663	0.000
10	26.900	34.886	4.52	22.666	0.052
20	26.674	34.890	4.51	22.741	0.103
30	26.427	34.912	4.32	22.835	0.154
40	26.124	34.941	4.12	22.952	0.204
50	25.706	34.997	3.87	23.124	0.252
60	25.215	35.066	3.71	23.327	0.299
70	24.295	35.175	3.38	23.688	0.343
80	23.826	35.381	3.31	23.983	0.384
90	22.083	35.185	3.02	24.336	0.422
100	21.661	35.292	2.94	24.536	0.457
110	21.442	35.417	2.91	24.692	0.491
120	20.031	35.246	3.00	24.942	0.522
130	19.231	35.233	3.03	25.141	0.552
140	18.100	35.182	3.03	25.388	0.579
150	17.236	35.080	3.02	25.520	0.605
160	16.317	35.042	2.94	25.708	0.629
170	14.912	34.942	2.90	25.948	0.651
180	13.871	34.946	2.81	26.173	0.671
190	13.608	34.959	2.71	26.238	0.689
200	12.943	34.893	2.45	26.322	0.707
250	12.508	34.888	1.79	26.405	0.793
300	11.440	34.814	0.68	26.551	0.875
306	11.223	34.793	0.70	26.574	0.884

CAST EP2-87-OC -011 DATE 14 OCT 87 TIME 0713 GMT

LAT 00 29.4S LONG 140 00.1W



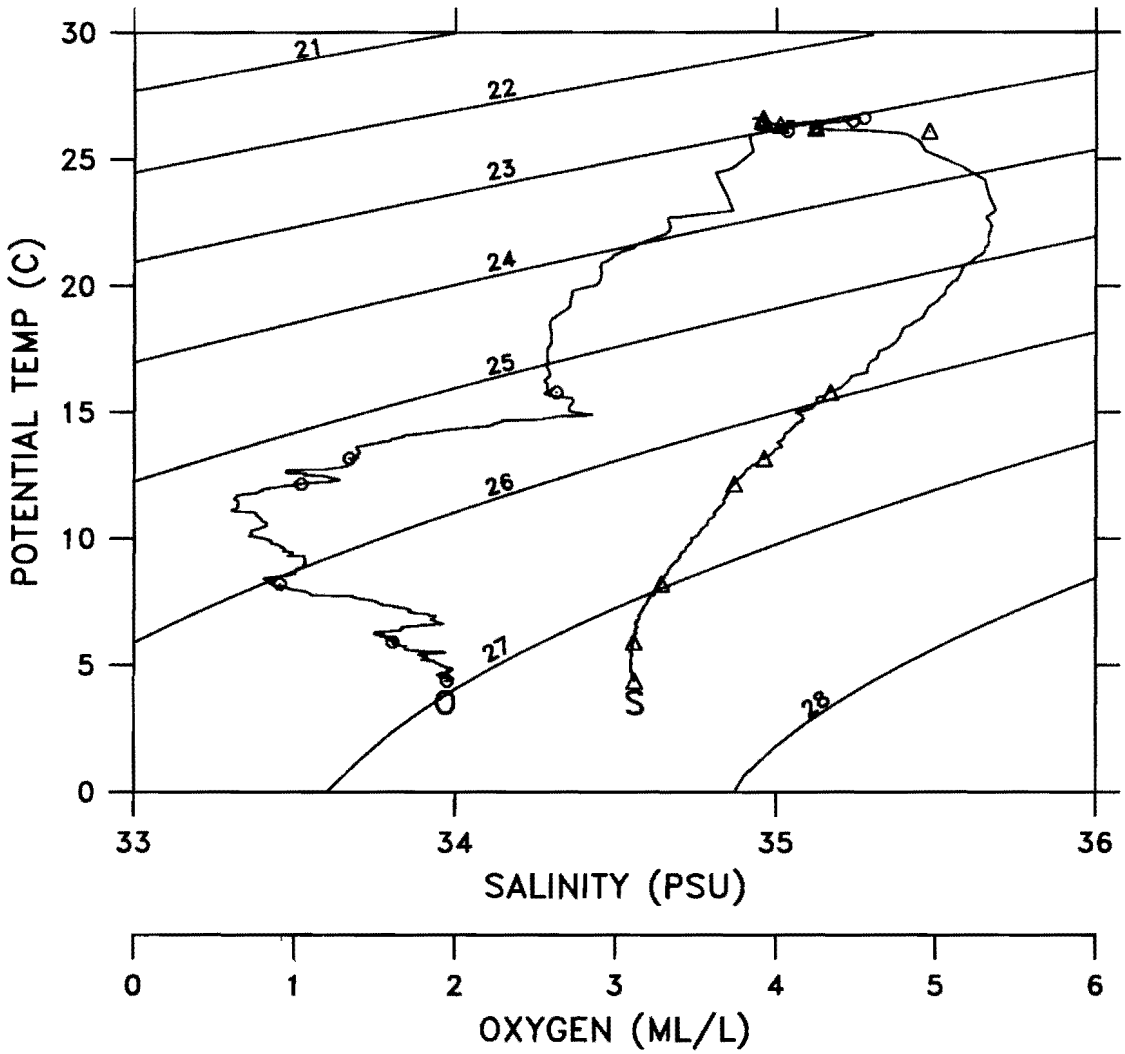


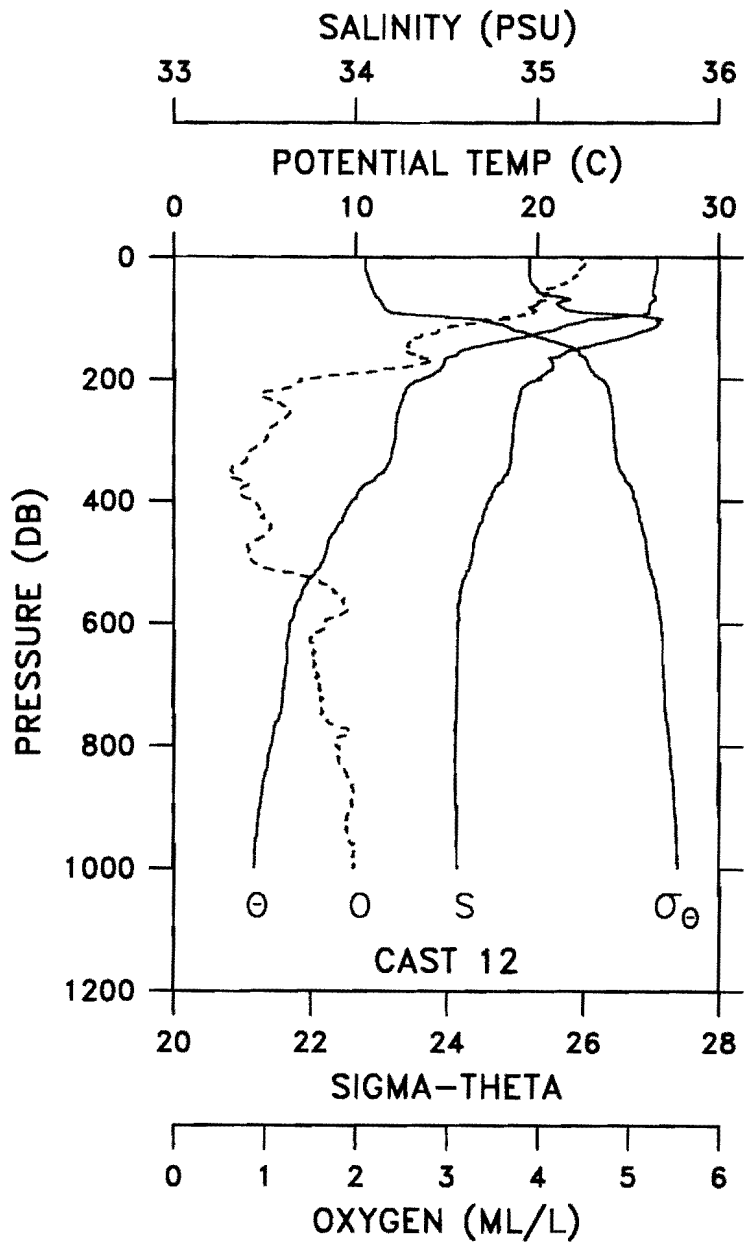
CAST EP2-87-OC -011 DATE 14 OCT 87 TIME 0713 GMT
LAT 00 29.4S LONG 140 00.1W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 085 T SPD 11 KT VISIBILITY 8
CLOUD 1 AMOUNT 4 DRY 26.5 WET 25.4 DEPTH 4291 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.593	34.961	4.36	22.820	0.000
10	26.595	34.961	4.28	22.819	0.050
20	26.496	34.961	4.32	22.850	0.101
30	26.328	34.969	4.32	22.909	0.150
40	26.197	34.982	4.22	22.960	0.200
50	26.016	35.039	4.08	23.060	0.248
60	25.815	35.095	3.98	23.165	0.296
70	25.717	35.163	3.88	23.246	0.343
80	25.900	35.317	3.87	23.305	0.389
90	26.009	35.414	3.88	23.345	0.435
100	24.207	35.557	3.73	24.003	0.478
110	21.974	35.461	3.22	24.577	0.515
120	20.965	35.414	3.02	24.820	0.548
130	20.372	35.429	3.01	24.992	0.579
140	19.586	35.423	2.94	25.194	0.608
150	17.461	35.166	3.05	25.532	0.634
160	16.693	35.195	2.99	25.738	0.658
170	14.560	34.913	3.00	26.001	0.679
180	14.150	34.999	2.89	26.155	0.699
190	13.444	34.949	2.65	26.264	0.717
200	13.179	34.922	2.58	26.297	0.735
250	12.521	34.890	1.85	26.403	0.821
300	12.135	34.863	1.07	26.457	0.904
350	11.188	34.821	0.80	26.602	0.984
400	9.659	34.721	0.75	26.792	1.054
450	8.808	34.670	0.61	26.890	1.119
500	8.067	34.628	0.89	26.972	1.179
550	7.350	34.596	1.35	27.051	1.236
600	6.750	34.572	1.50	27.116	1.289
650	6.467	34.566	1.47	27.149	1.340
700	6.140	34.558	1.50	27.186	1.390
750	5.855	34.552	1.64	27.217	1.438
800	5.537	34.549	1.71	27.255	1.485
900	4.874	34.548	1.97	27.331	1.573
1000	4.314	34.559	1.93	27.403	1.654
1011	4.288	34.560	1.94	27.406	1.662

CAST EP2-87-OC -012 DATE 14 OCT 87 TIME 1115 GMT

LAT 01 00.2S LONG 139 59.5W



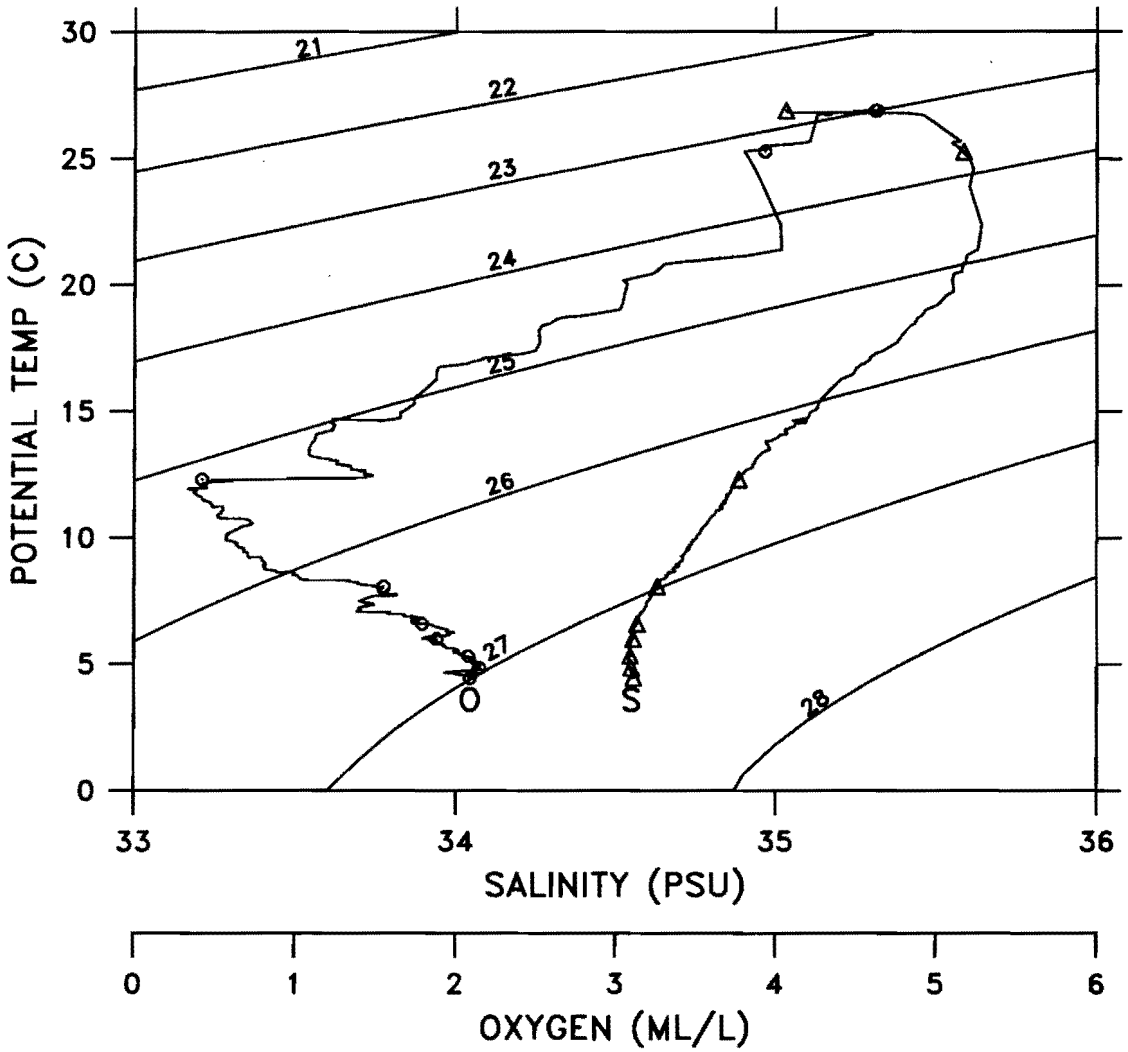


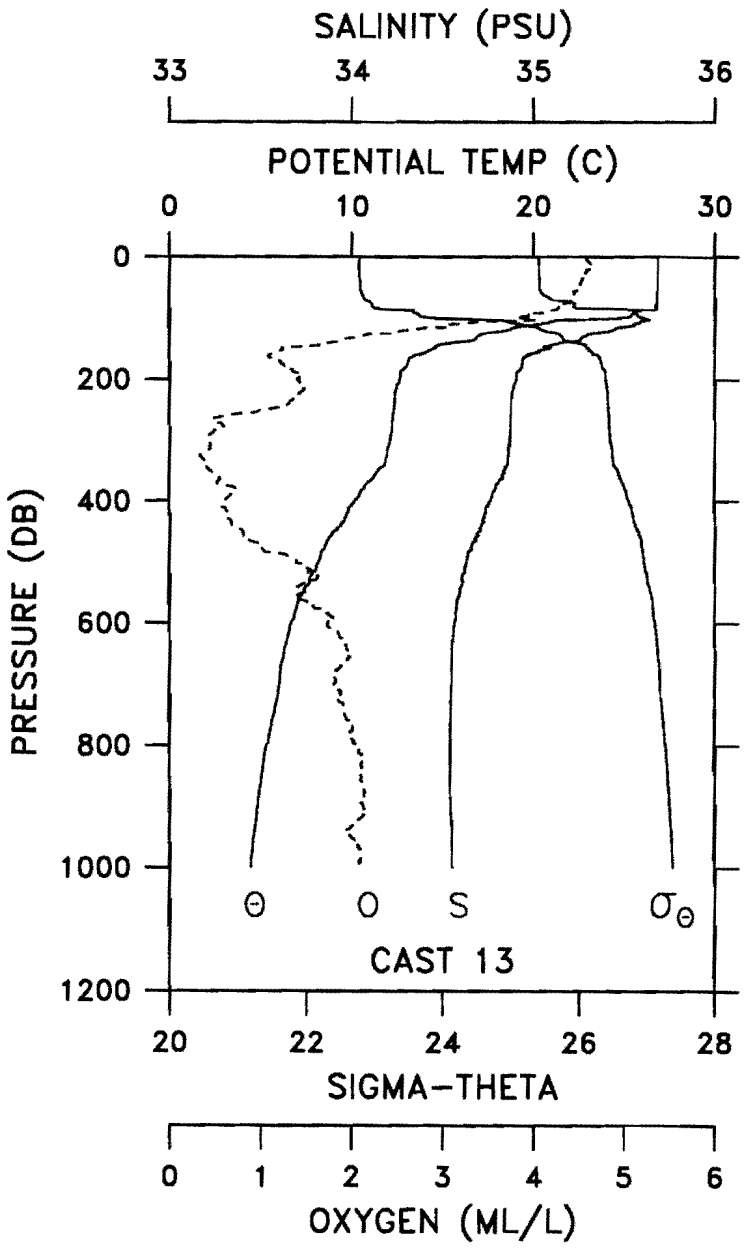
CAST EP2-87-OC -012 DATE 14 OCT 87 TIME 1115 GMT
LAT 01 00.2S LONG 139 59.5W WEATHER 1 SEA STATE 2
BAROMETER 11 WIND DIR 190 T SPD 10 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 26.4 WET 25.0 DEPTH 4272 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.599	34.926	4.48	22.791	0.000
10	26.606	34.955	4.52	22.811	0.050
20	26.602	34.955	4.47	22.812	0.101
30	26.505	34.955	4.42	22.843	0.151
40	26.446	34.961	4.31	22.866	0.201
50	26.395	34.988	4.17	22.902	0.251
60	26.368	35.036	4.05	22.947	0.301
70	26.439	35.159	4.09	23.018	0.350
80	26.189	35.125	3.95	23.071	0.398
90	26.130	35.233	3.96	23.170	0.446
100	23.530	35.667	3.69	24.287	0.489
110	21.622	35.665	3.12	24.830	0.523
120	20.772	35.586	2.90	25.004	0.553
130	19.265	35.489	2.71	25.328	0.581
140	17.569	35.350	2.58	25.647	0.607
150	16.123	35.215	2.57	25.885	0.629
160	15.552	35.125	2.72	25.946	0.651
170	14.879	35.079	2.82	26.061	0.671
180	14.720	35.084	2.55	26.098	0.691
190	14.317	35.046	1.99	26.156	0.710
200	13.619	35.018	1.38	26.281	0.729
250	12.377	34.883	1.23	26.426	0.814
300	12.142	34.863	1.02	26.456	0.896
350	11.599	34.839	0.63	26.540	0.977
400	9.810	34.733	0.86	26.776	1.050
450	8.858	34.669	1.05	26.882	1.115
500	8.165	34.634	0.88	26.962	1.175
550	7.042	34.576	1.76	27.079	1.231
600	6.374	34.560	1.65	27.157	1.282
650	6.221	34.559	1.52	27.176	1.331
700	6.045	34.556	1.59	27.196	1.380
750	5.822	34.553	1.62	27.222	1.428
800	5.362	34.547	1.79	27.274	1.473
900	4.740	34.550	1.95	27.348	1.559
1000	4.394	34.558	1.97	27.393	1.639
1011	4.365	34.558	1.94	27.396	1.647

CAST EP2-87-OC -013 DATE 14 OCT 87 TIME 1516 GMT

LAT 01 30.0S LONG 139 59.5W



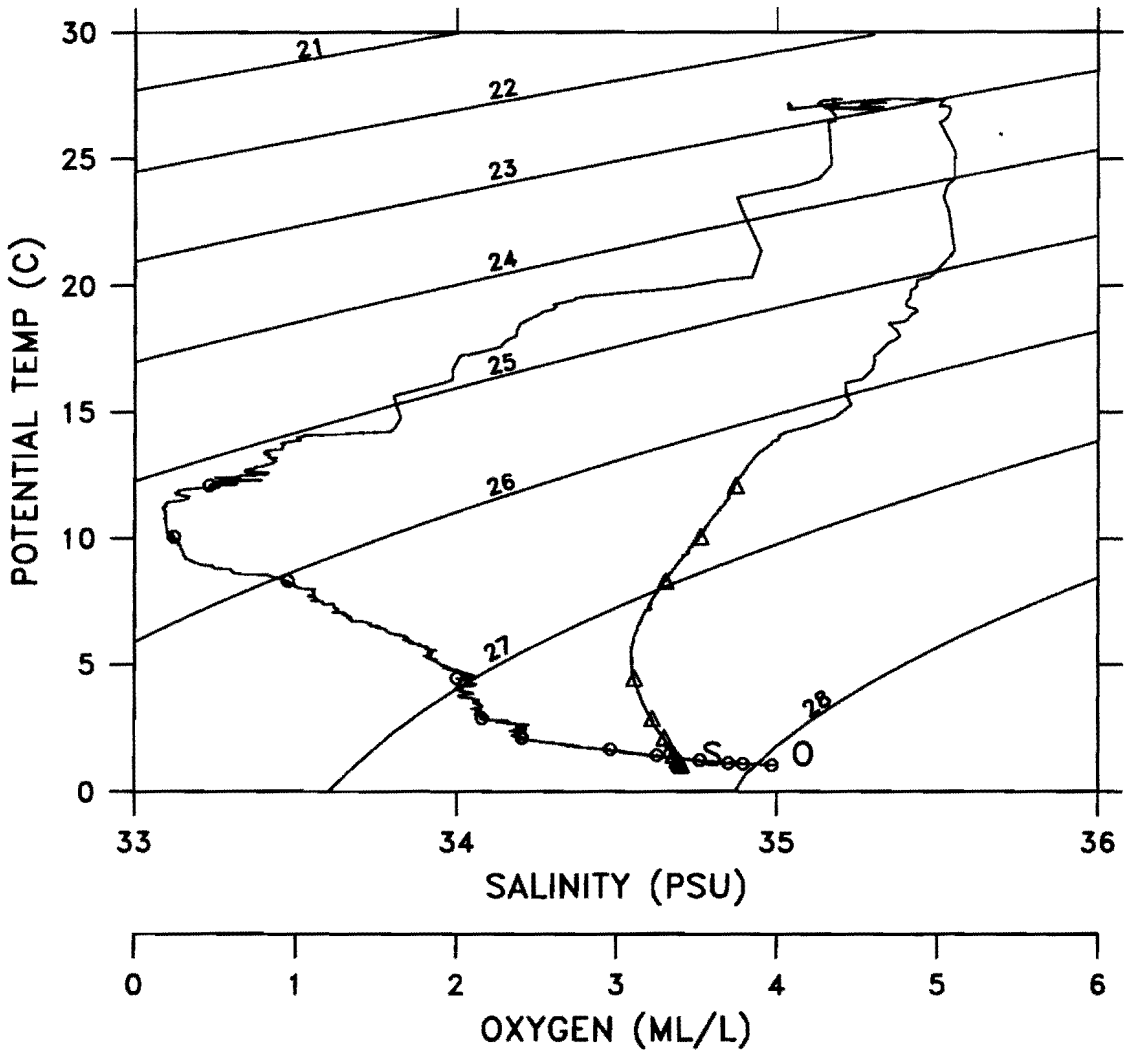


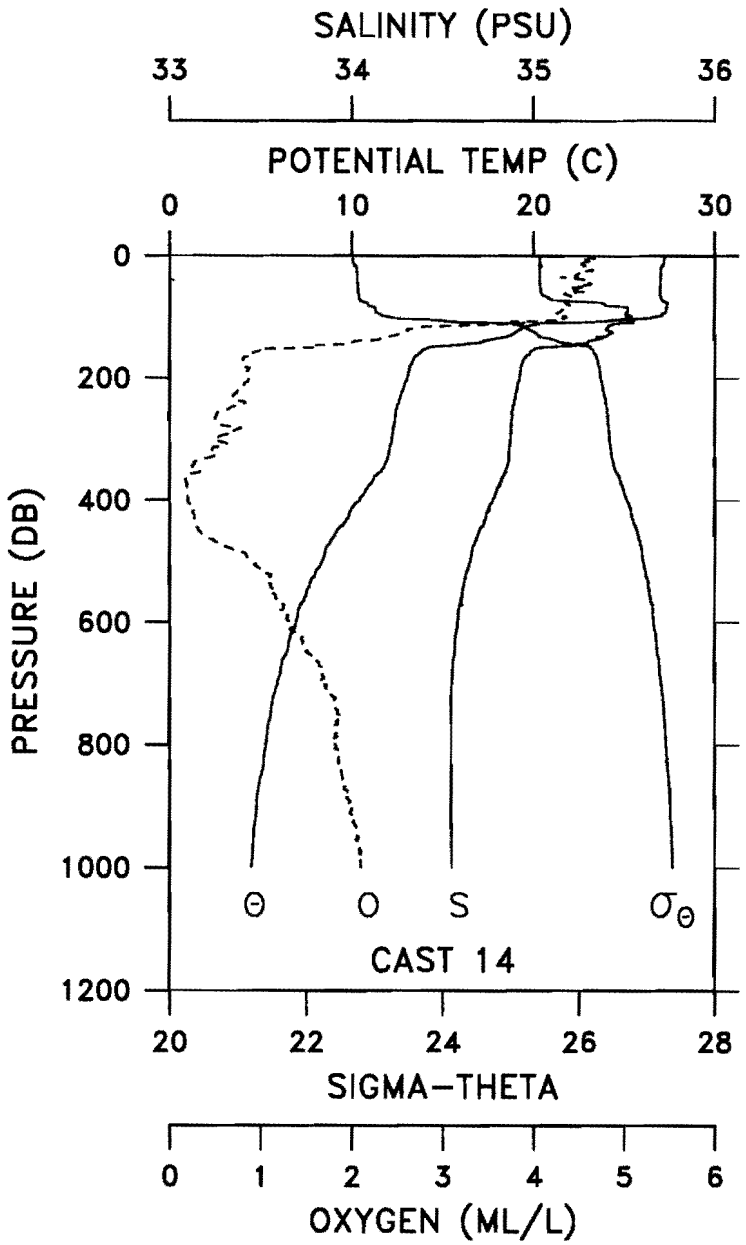
CAST EP2-87-OC -013 DATE 14 OCT 87 TIME 1516 GMT
LAT 01 30.0S LONG 139 59.5W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 100 T SPD 08 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 27.0 WET 25.0 DEPTH 4322 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.869	35.031	4.58	22.785	0.000
10	26.881	35.030	4.61	22.781	0.051
20	26.884	35.030	4.62	22.779	0.101
30	26.877	35.030	4.55	22.782	0.152
40	26.856	35.032	4.53	22.790	0.203
50	26.849	35.034	4.50	22.793	0.254
60	26.806	35.048	4.45	22.818	0.304
70	26.811	35.110	4.41	22.863	0.355
80	26.725	35.218	4.34	22.972	0.404
90	25.603	35.549	4.11	23.573	0.451
100	24.590	35.616	3.87	23.933	0.494
110	20.182	35.550	3.04	25.134	0.525
120	18.476	35.433	2.59	25.486	0.552
130	16.883	35.275	2.07	25.754	0.576
140	15.489	35.143	1.74	25.974	0.598
150	14.514	35.061	1.23	26.125	0.618
160	13.496	34.983	1.08	26.279	0.636
170	13.137	34.938	1.17	26.318	0.654
180	12.994	34.935	1.26	26.345	0.671
190	12.681	34.909	1.43	26.387	0.688
200	12.649	34.906	1.40	26.391	0.705
250	12.334	34.879	1.08	26.432	0.788
300	12.121	34.869	0.44	26.465	0.871
350	11.468	34.837	0.43	26.563	0.951
400	10.181	34.764	0.59	26.737	1.024
450	9.041	34.700	0.81	26.877	1.091
500	8.172	34.633	1.39	26.960	1.152
550	7.305	34.597	1.46	27.059	1.209
600	6.674	34.566	1.74	27.122	1.261
650	6.268	34.553	1.95	27.165	1.312
700	6.021	34.552	1.80	27.196	1.361
750	5.709	34.546	1.93	27.231	1.408
800	5.308	34.542	2.06	27.276	1.454
900	4.811	34.545	2.13	27.337	1.540
1000	4.464	34.555	2.11	27.383	1.621
1012	4.440	34.554	2.09	27.385	1.630

CAST EP2-87-OC -014 DATE 15 OCT 87 TIME 0733 GMT

LAT 02 00.1S LONG 139 58.2W



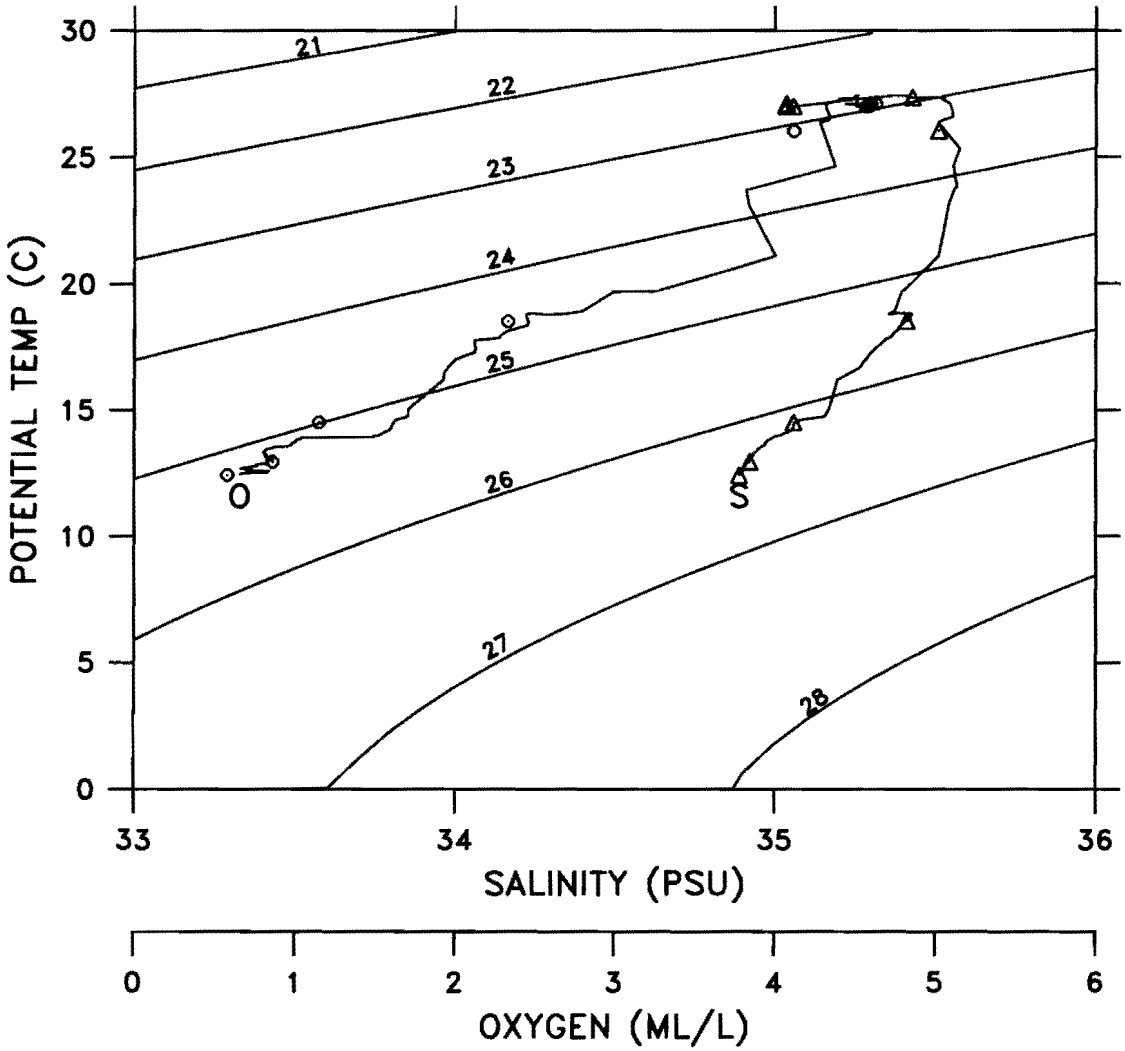


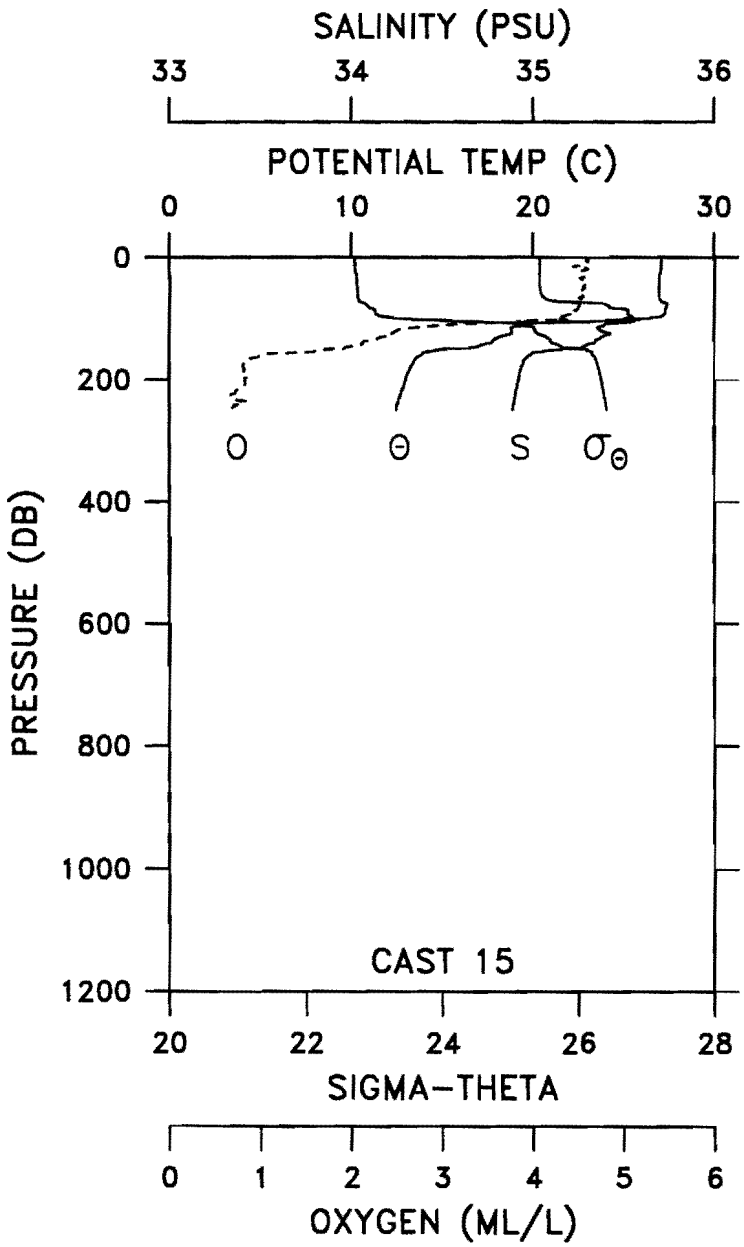
CAST EP2-87-OC -014 DATE 15 OCT 87 TIME 0733 GMT
LAT 02 00.1S LONG 139 58.2W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 050 T SPD 14 KT VISIBILITY 7
CLOUD 1 AMOUNT 2 DRY 26.6 WET 25.2 DEPTH 4299 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.208	35.037	4.62	22.681	0.000
10	27.198	35.037	4.52	22.684	0.052
20	27.032	35.034	4.59	22.735	0.103
30	27.007	35.034	4.49	22.743	0.154
40	26.994	35.033	4.58	22.747	0.205
50	26.973	35.036	4.55	22.756	0.256
60	26.963	35.042	4.38	22.763	0.308
70	27.019	35.085	4.37	22.777	0.359
80	27.337	35.392	4.38	22.907	0.409
90	27.300	35.520	4.31	23.015	0.458
100	26.671	35.533	4.37	23.226	0.507
110	21.357	35.553	3.90	24.818	0.548
120	19.294	35.401	2.64	25.254	0.576
130	18.755	35.412	2.48	25.400	0.603
140	17.251	35.303	2.03	25.688	0.628
150	14.230	35.033	1.59	26.165	0.649
160	13.721	34.979	0.93	26.230	0.668
170	13.390	34.945	0.80	26.272	0.686
180	13.233	34.933	0.83	26.295	0.703
190	13.133	34.926	0.84	26.309	0.721
200	13.068	34.922	0.87	26.319	0.739
250	12.485	34.886	0.66	26.408	0.824
300	12.226	34.872	0.49	26.447	0.907
350	11.670	34.847	0.31	26.533	0.989
400	10.444	34.776	0.20	26.700	1.063
450	9.183	34.702	0.31	26.856	1.131
500	8.397	34.653	0.91	26.941	1.193
550	7.530	34.608	1.11	27.035	1.251
600	6.955	34.582	1.32	27.096	1.304
650	6.440	34.564	1.52	27.152	1.356
700	5.934	34.551	1.68	27.207	1.404
750	5.564	34.546	1.84	27.248	1.451
800	5.294	34.546	1.82	27.281	1.496
900	4.783	34.547	1.98	27.341	1.581
1000	4.483	34.552	2.09	27.378	1.663
1500	2.886	34.608	2.17	27.583	2.008
2000	2.102	34.648	2.41	27.681	2.287
2500	1.665	34.666	2.91	27.730	2.530
3000	1.431	34.676	3.20	27.755	2.759
3500	1.238	34.689	3.46	27.779	2.981
4000	1.090	34.696	3.80	27.795	3.196
4350	1.035	34.699	3.96	27.801	3.347

CAST EP2-87-OC -015 DATE 15 OCT 87 TIME 1024 GMT

LAT 02 00.2S LONG 139 57.1W



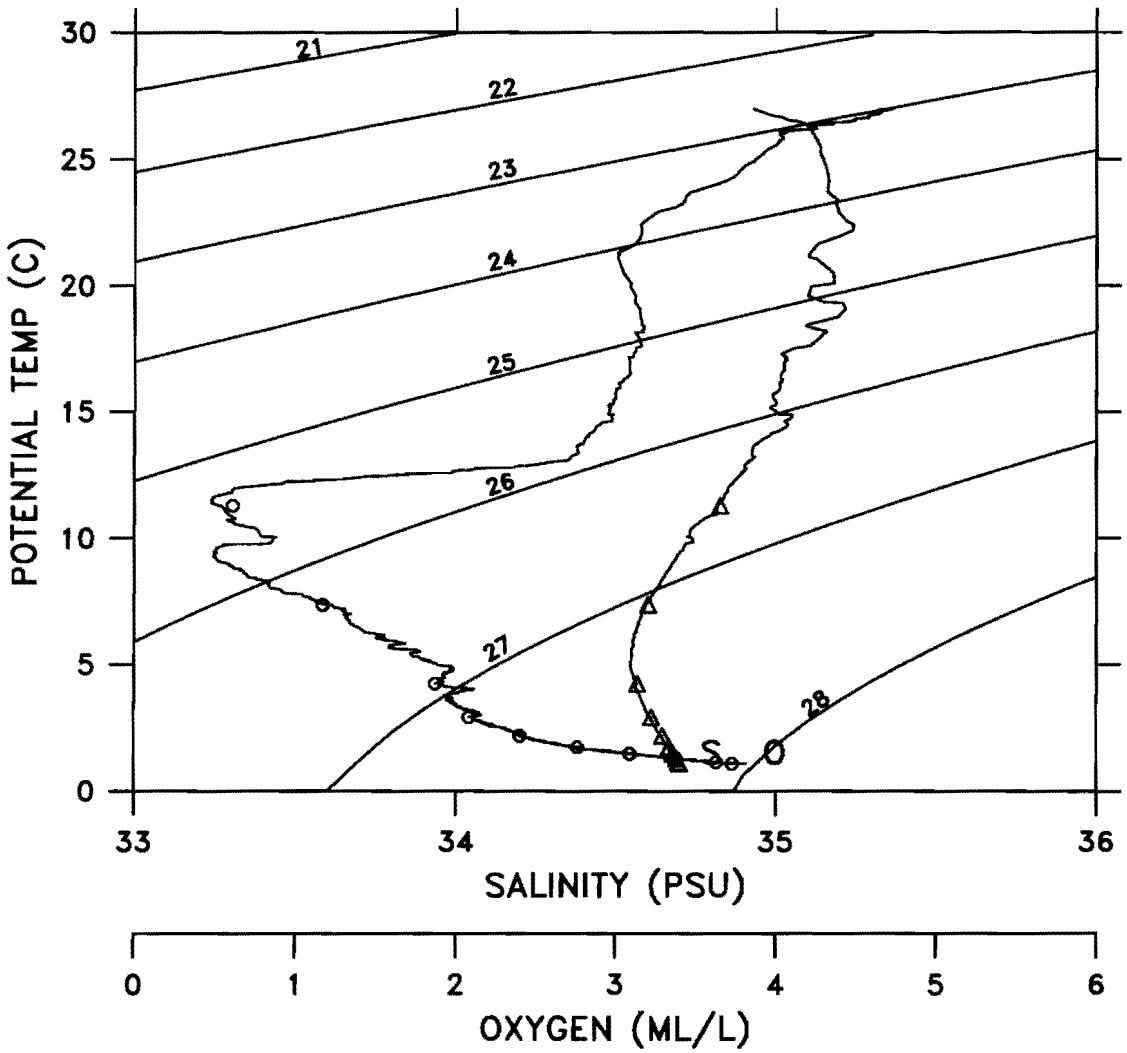


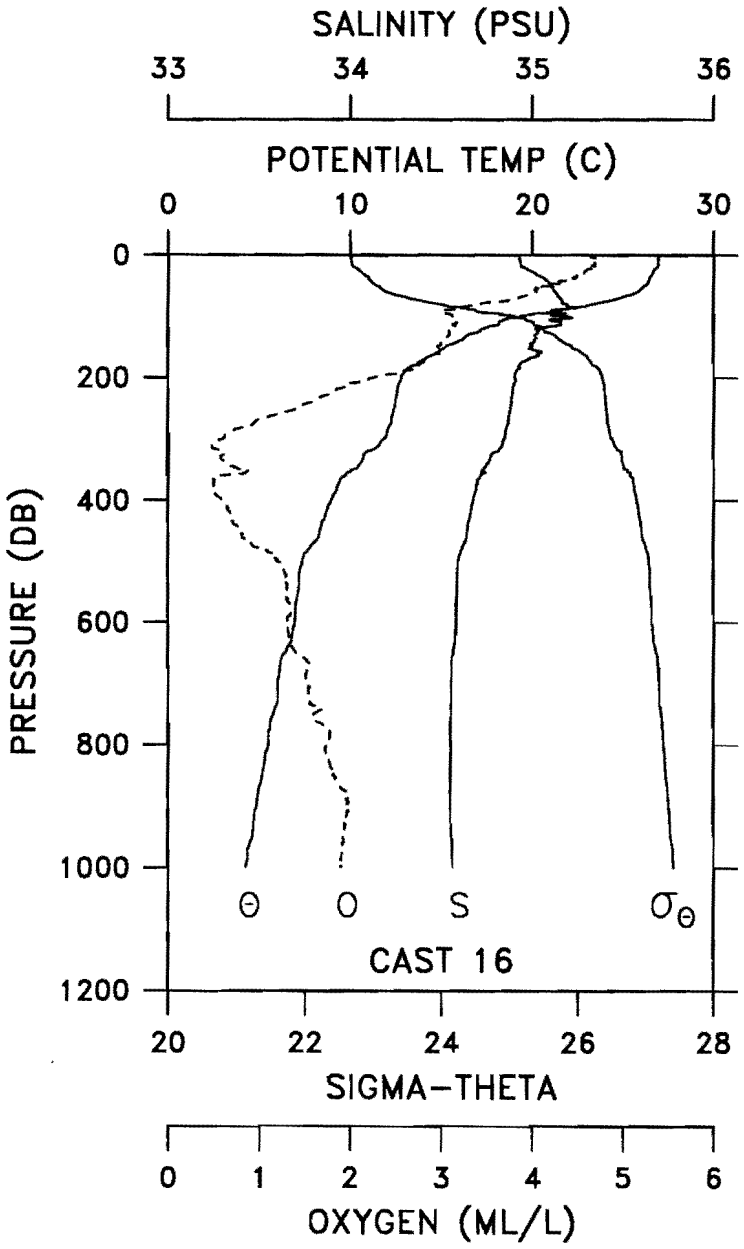
CAST EP2-87-OC -015 DATE 15 OCT 87 TIME 1024 GMT
LAT 02 00.2S LONG 139 57.1W WEATHER 0 SEA STATE 2
BAROMETER 11 WIND DIR 050 T SPD 12 KT VISIBILITY 8
CLOUD X AMOUNT 0 DRY 26.4 WET 24.5 DEPTH 4334 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.083	35.037	4.61	22.721	0.000
10	27.076	35.036	4.57	22.723	0.051
20	27.070	35.036	4.60	22.725	0.103
30	27.004	35.036	4.57	22.746	0.154
40	26.987	35.037	4.56	22.752	0.205
50	26.969	35.040	4.58	22.760	0.256
60	26.967	35.046	4.54	22.765	0.307
70	27.033	35.093	4.53	22.779	0.358
80	27.369	35.424	4.51	22.921	0.408
90	27.294	35.526	4.40	23.021	0.458
100	26.358	35.508	4.28	23.306	0.505
110	19.692	35.396	3.07	25.146	0.541
120	18.824	35.378	2.50	25.356	0.568
130	18.119	35.379	2.32	25.534	0.593
140	17.711	35.339	2.12	25.604	0.618
150	15.043	35.170	1.71	26.095	0.641
160	13.805	34.979	1.01	26.212	0.660
170	13.429	34.948	0.82	26.266	0.678
180	13.249	34.934	0.81	26.292	0.695
190	13.093	34.924	0.85	26.316	0.713
200	12.992	34.920	0.83	26.333	0.731
249	12.449	34.887	0.66	26.415	0.814

CAST EP2-87-OC -016 DATE 16 OCT 87 TIME 1135 GMT

LAT 00 00.3S LONG 135 02.0W



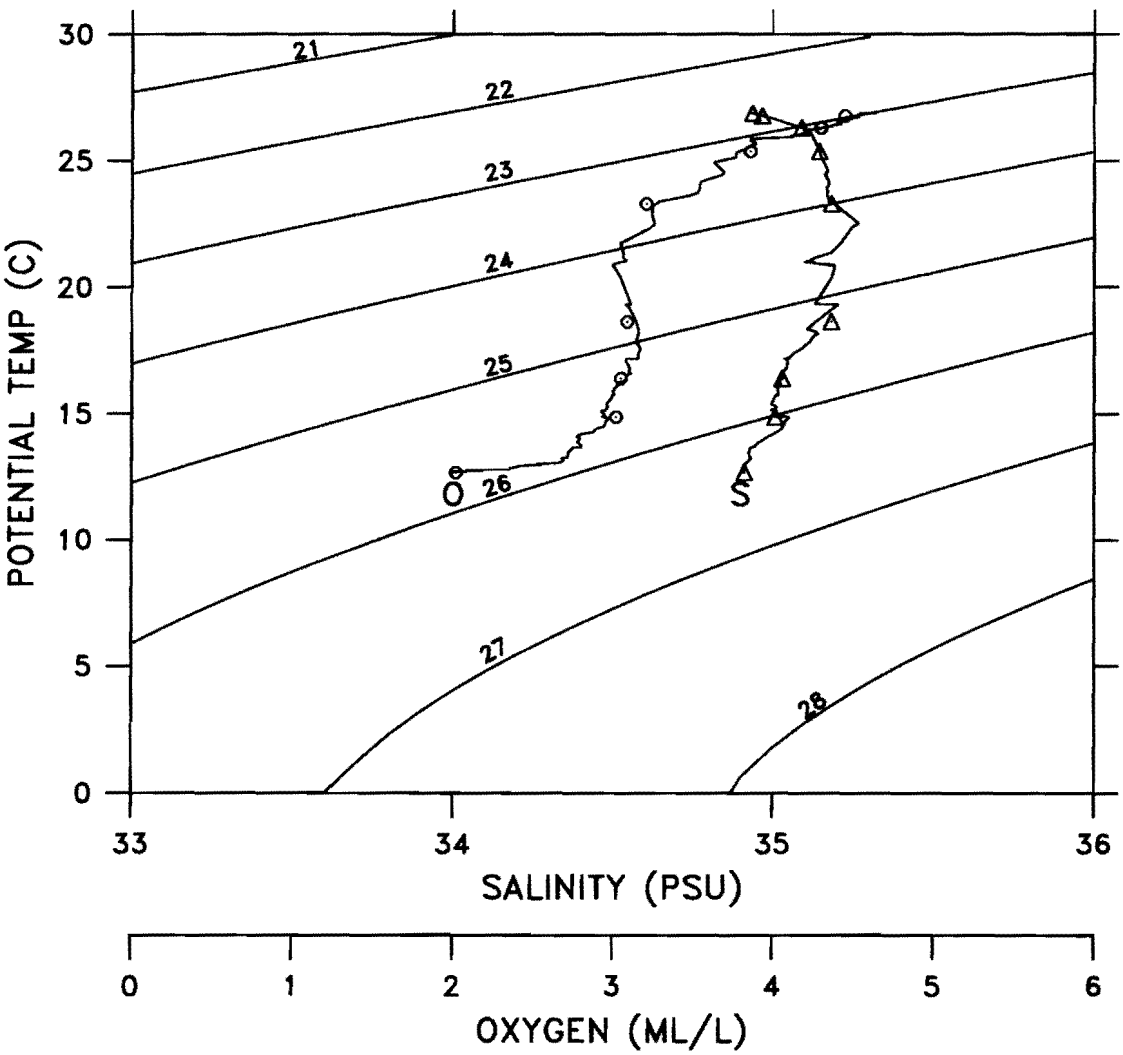


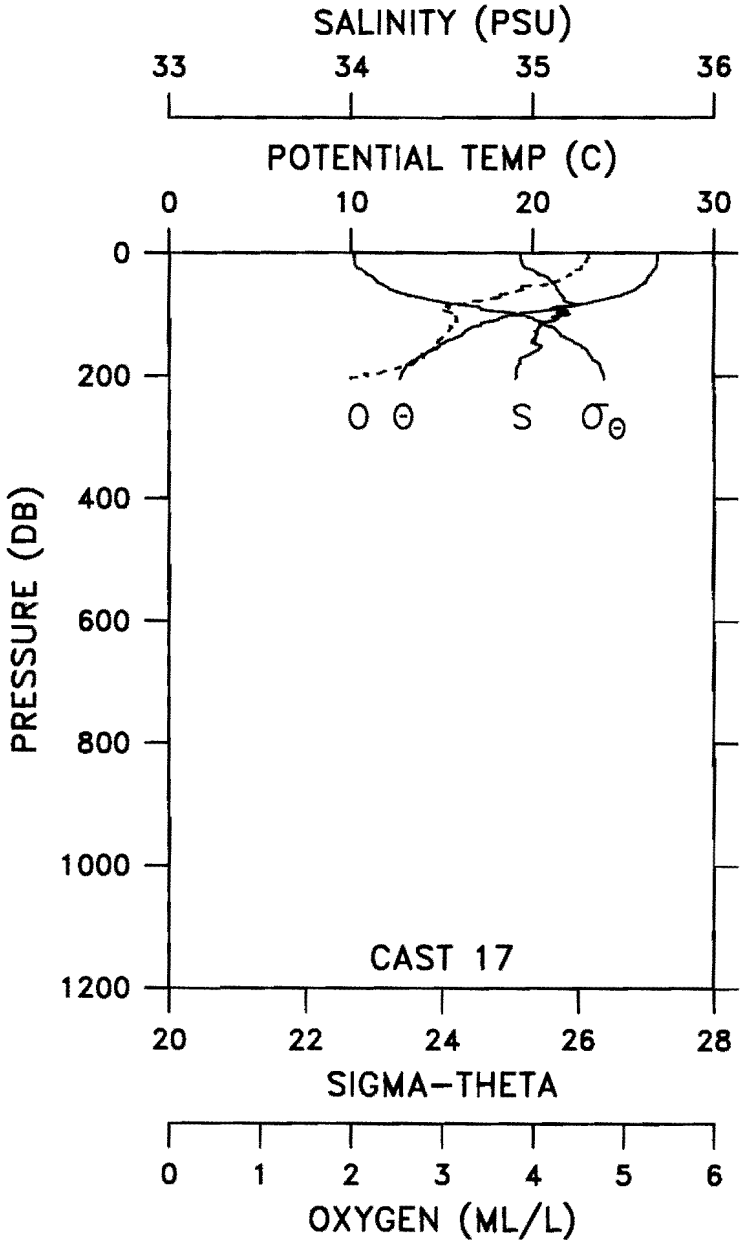
CAST EP2-87-OC -016 DATE 16 OCT 87 TIME 1135 GMT
LAT 00 00.3S LONG 135 02.0W WEATHER 1 SEA STATE 2
BAROMETER 09 WIND DIR 095 T SPD 14 KT VISIBILITY 8
CLOUD 1 AMOUNT 1 DRY 25.7 WET 23.6 DEPTH 4368 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.955	34.931	4.68	22.682	0.000
10	26.953	34.934	4.72	22.685	0.052
20	26.845	34.956	4.62	22.736	0.103
30	26.635	35.020	4.57	22.851	0.154
40	26.456	35.075	4.47	22.949	0.203
50	26.201	35.105	4.25	23.052	0.252
60	25.802	35.124	4.04	23.191	0.300
70	24.824	35.151	3.83	23.511	0.346
80	23.362	35.192	3.43	23.976	0.387
90	21.286	35.106	3.01	24.498	0.425
100	19.328	35.178	3.12	25.074	0.457
110	18.171	35.157	3.17	25.351	0.485
120	17.295	35.017	3.11	25.458	0.511
130	16.455	35.016	3.09	25.656	0.536
140	15.948	35.013	3.03	25.771	0.559
150	15.222	34.989	2.96	25.915	0.581
160	14.663	35.036	2.98	26.074	0.601
170	14.031	34.978	2.83	26.164	0.620
180	13.496	34.927	2.76	26.236	0.639
190	12.981	34.912	2.56	26.329	0.657
200	12.783	34.904	2.25	26.363	0.674
250	12.409	34.881	1.41	26.418	0.758
300	11.806	34.844	0.60	26.506	0.840
350	10.056	34.733	0.79	26.734	0.915
400	8.957	34.677	0.59	26.872	0.980
450	8.325	34.643	0.80	26.945	1.041
500	7.357	34.595	1.19	27.050	1.098
550	7.142	34.588	1.30	27.075	1.152
600	6.956	34.582	1.32	27.095	1.205
650	6.411	34.566	1.40	27.157	1.256
700	6.012	34.558	1.54	27.202	1.305
750	5.763	34.556	1.60	27.232	1.353
800	5.471	34.550	1.74	27.263	1.398
900	4.833	34.549	1.97	27.337	1.485
1000	4.237	34.563	1.89	27.414	1.565
1500	2.894	34.608	2.11	27.582	1.900
2000	2.169	34.642	2.43	27.671	2.176
2500	1.727	34.664	2.77	27.724	2.426
3000	1.474	34.677	3.10	27.753	2.656
3500	1.283	34.686	3.39	27.774	2.882
4000	1.088	34.696	3.73	27.795	3.097
4387	1.081	34.696	3.79	27.796	3.266

CAST EP2-87-OC -017 DATE 16 OCT 87 TIME 1407 GMT

LAT 00 00.5N LONG 134 58.3W



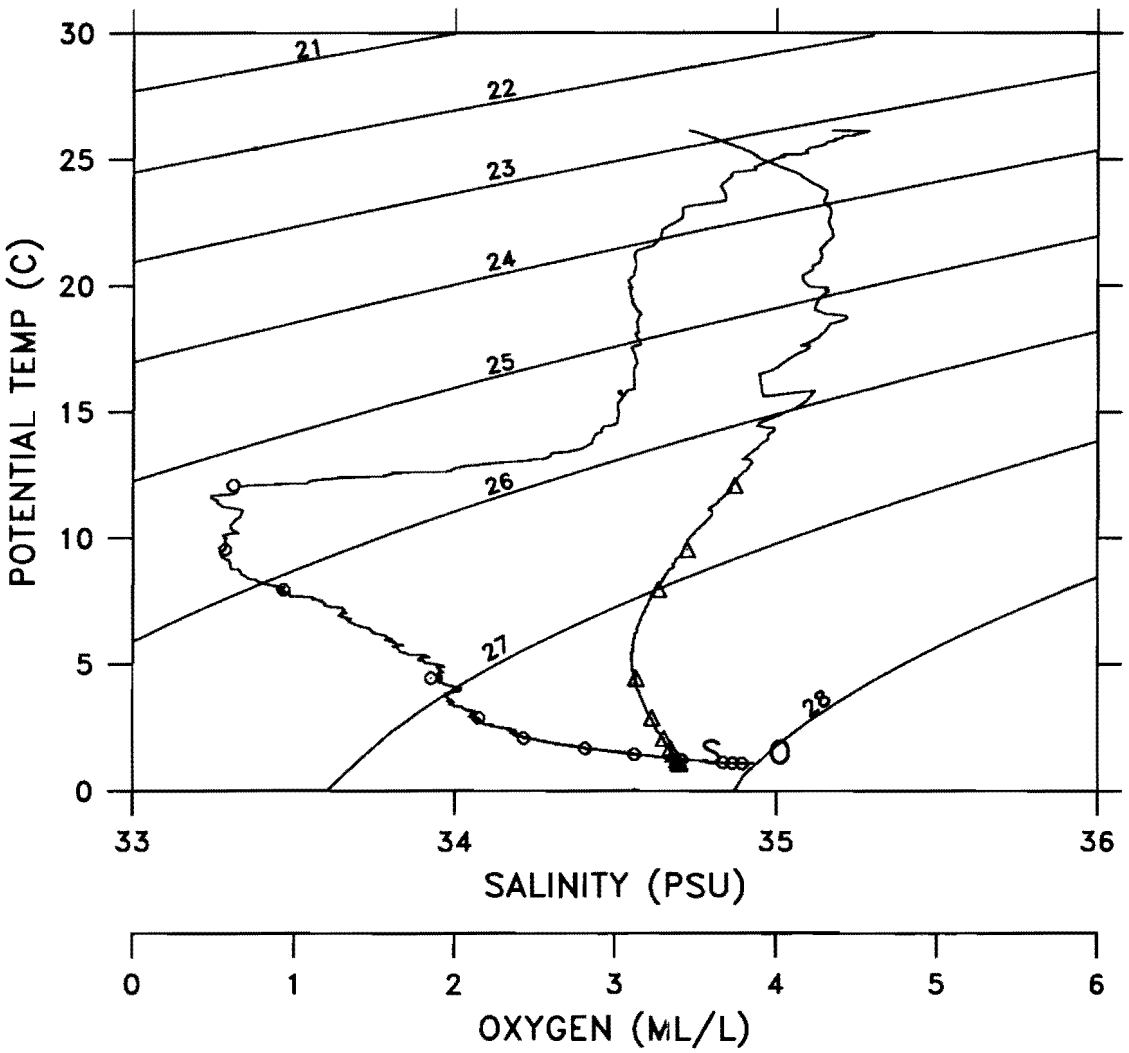


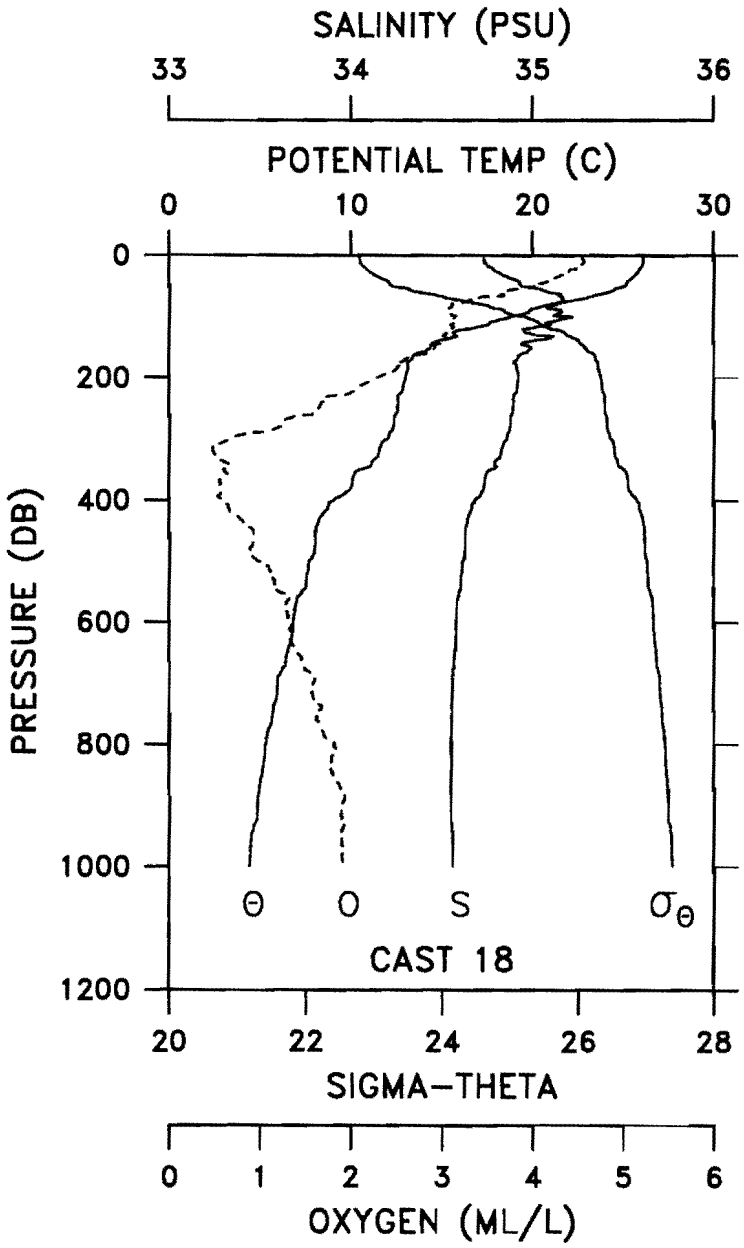
CAST EP2-87-OC -017 DATE 16 OCT 87 TIME 1407 GMT
LAT 00 00.5N LONG 134 58.3W WEATHER 1 SEA STATE 2
BAROMETER 10 WIND DIR 100 T SPD 12 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 26.0 WET 23.8 DEPTH 4368 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.864	34.934	4.54	22.714	0.000
10	26.865	34.933	4.60	22.712	0.051
20	26.839	34.945	4.57	22.730	0.103
30	26.616	35.011	4.46	22.850	0.153
40	26.338	35.082	4.35	22.991	0.203
50	26.094	35.116	4.22	23.093	0.251
60	25.670	35.134	3.89	23.239	0.298
70	24.792	35.164	3.65	23.530	0.344
80	23.304	35.189	3.27	23.990	0.385
90	21.043	35.112	3.09	24.569	0.422
100	19.291	35.203	3.08	25.103	0.453
110	17.950	35.122	3.15	25.379	0.481
120	16.815	35.044	3.10	25.593	0.506
130	16.247	35.023	3.04	25.709	0.530
140	15.641	35.005	2.99	25.834	0.552
150	14.890	35.037	2.93	26.025	0.573
160	14.274	35.012	2.88	26.139	0.593
170	13.715	34.944	2.80	26.204	0.612
180	13.185	34.931	2.69	26.303	0.630
190	12.935	34.909	2.42	26.336	0.647
200	12.744	34.911	2.18	26.375	0.665
205	12.674	34.904	2.00	26.384	0.673

CAST EP2-87-OC -018 DATE 17 OCT 87 TIME 1348 GMT

LAT 00 00.7S LONG 129 59.1W



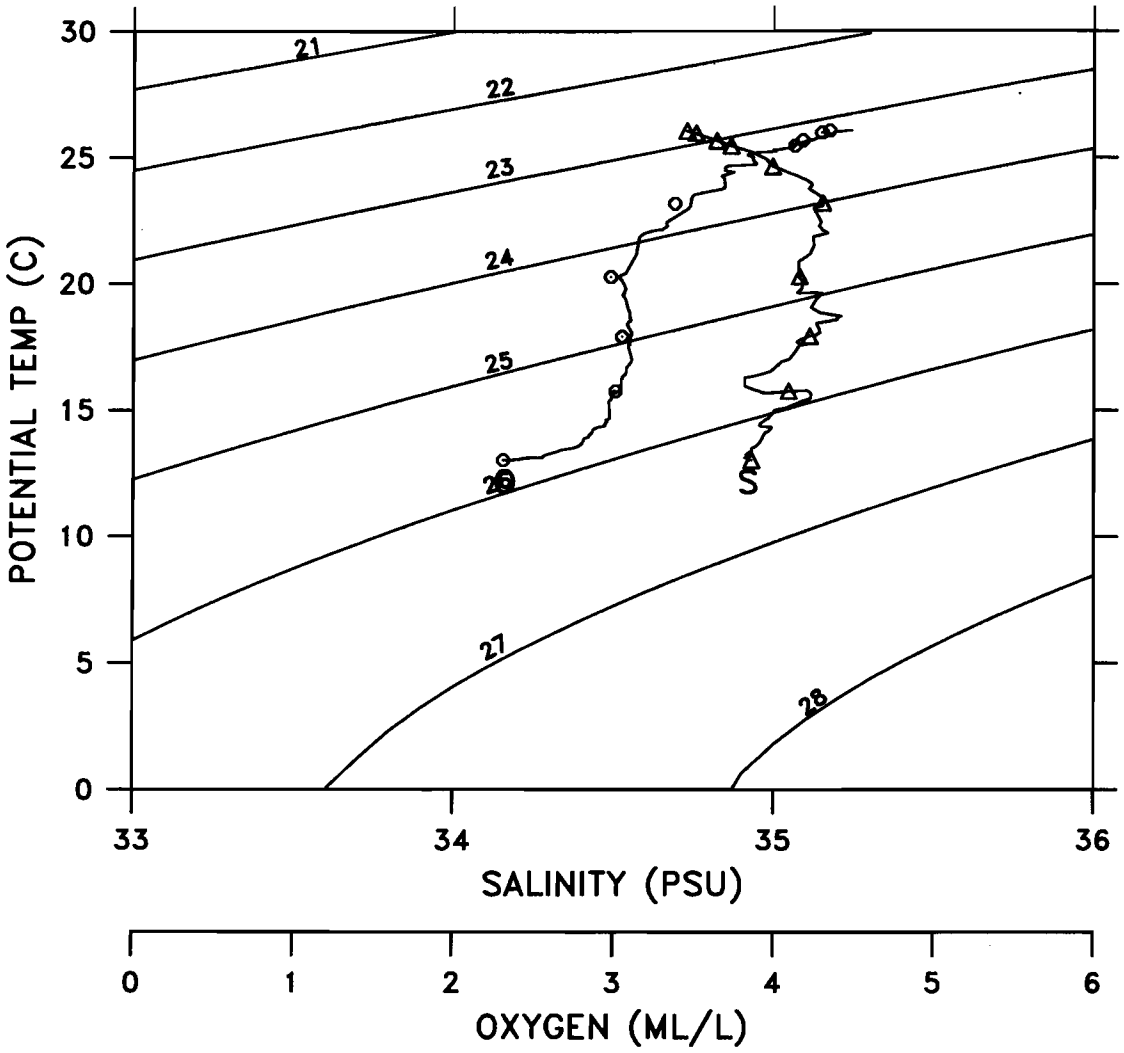


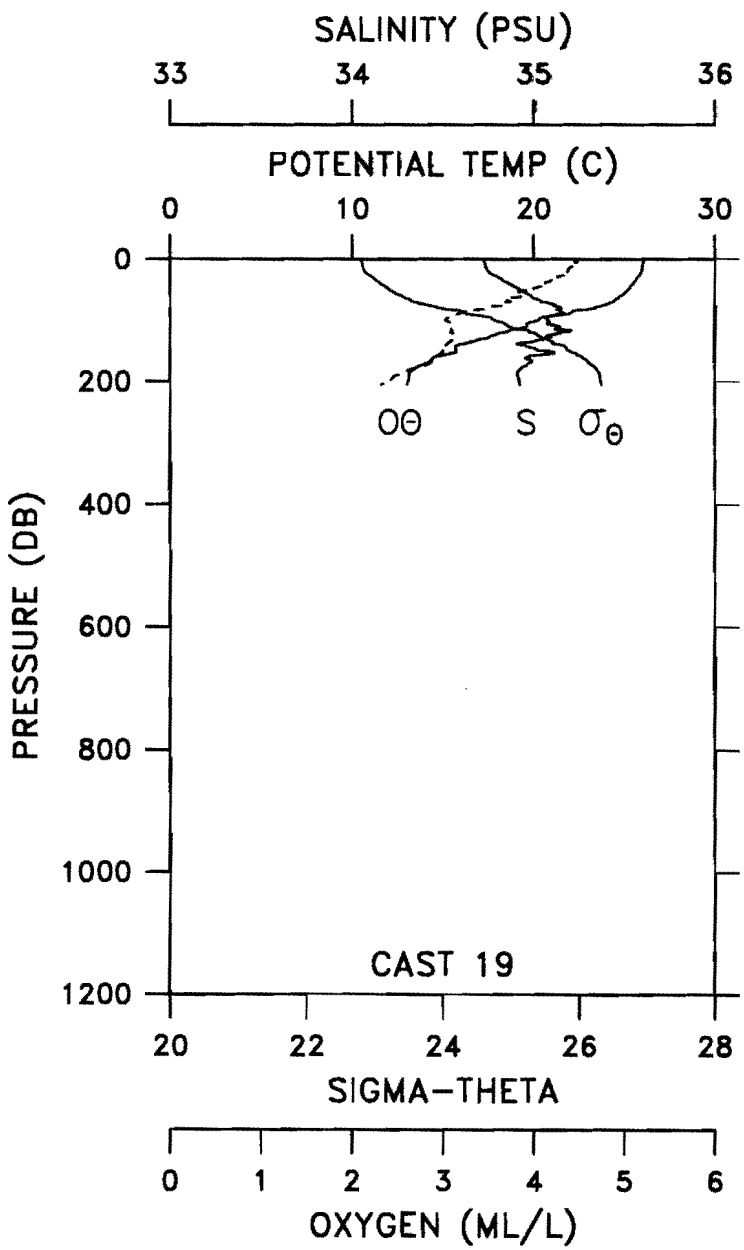
CAST EP2-87-OC -018 DATE 17 OCT 87 TIME 1348 GMT
LAT 00 00.7S LONG 129 59.1W WEATHER 1 SEA STATE 2
BAROMETER 11 WIND DIR 110 T SPD 14 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 25.0 WET 23.0 DEPTH 4437 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.119	34.729	4.34	22.793	0.000
10	26.109	34.732	4.57	22.799	0.051
20	25.947	34.777	4.47	22.884	0.101
30	25.714	34.829	4.37	22.995	0.150
40	25.351	34.905	4.18	23.164	0.198
50	25.104	34.937	4.04	23.264	0.245
60	24.184	35.094	3.70	23.659	0.289
70	22.866	35.169	3.42	24.102	0.329
80	20.917	35.132	3.13	24.619	0.365
90	19.855	35.155	3.09	24.919	0.397
100	18.799	35.217	3.15	25.239	0.427
110	17.627	35.073	3.14	25.421	0.453
120	16.487	34.945	3.11	25.594	0.479
130	15.737	35.039	3.02	25.839	0.501
140	14.767	34.988	3.01	26.014	0.522
150	14.372	34.992	2.92	26.102	0.542
160	13.669	34.946	2.82	26.215	0.561
170	13.351	34.917	2.59	26.258	0.579
180	13.141	34.911	2.53	26.296	0.597
190	13.088	34.919	2.46	26.313	0.615
200	13.004	34.923	2.31	26.333	0.632
250	12.576	34.892	1.65	26.394	0.717
300	12.026	34.859	0.65	26.475	0.801
350	10.485	34.767	0.60	26.686	0.878
400	9.017	34.683	0.60	26.868	0.947
450	8.052	34.630	0.93	26.976	1.006
500	7.696	34.613	0.98	27.015	1.064
550	7.288	34.596	1.21	27.060	1.120
600	6.819	34.578	1.32	27.111	1.172
650	6.505	34.570	1.40	27.147	1.224
700	5.971	34.557	1.58	27.207	1.273
750	5.696	34.555	1.64	27.239	1.320
800	5.317	34.551	1.81	27.282	1.365
900	4.881	34.551	1.89	27.333	1.451
1000	4.423	34.560	1.90	27.391	1.532
1500	2.847	34.611	2.13	27.589	1.872
2000	2.091	34.647	2.46	27.682	2.148
2500	1.713	34.666	2.78	27.726	2.394
3000	1.461	34.678	3.10	27.755	2.625
3500	1.247	34.690	3.46	27.780	2.848
4000	1.104	34.698	3.76	27.795	3.063
4500	1.099	34.697	3.82	27.795	3.283
4500	1.099	34.697	3.82	27.795	3.283

CAST EP2-87-OC -019 DATE 17 OCT 87 TIME 1625 GMT

LAT 00 01.6S LONG 129 59.3W



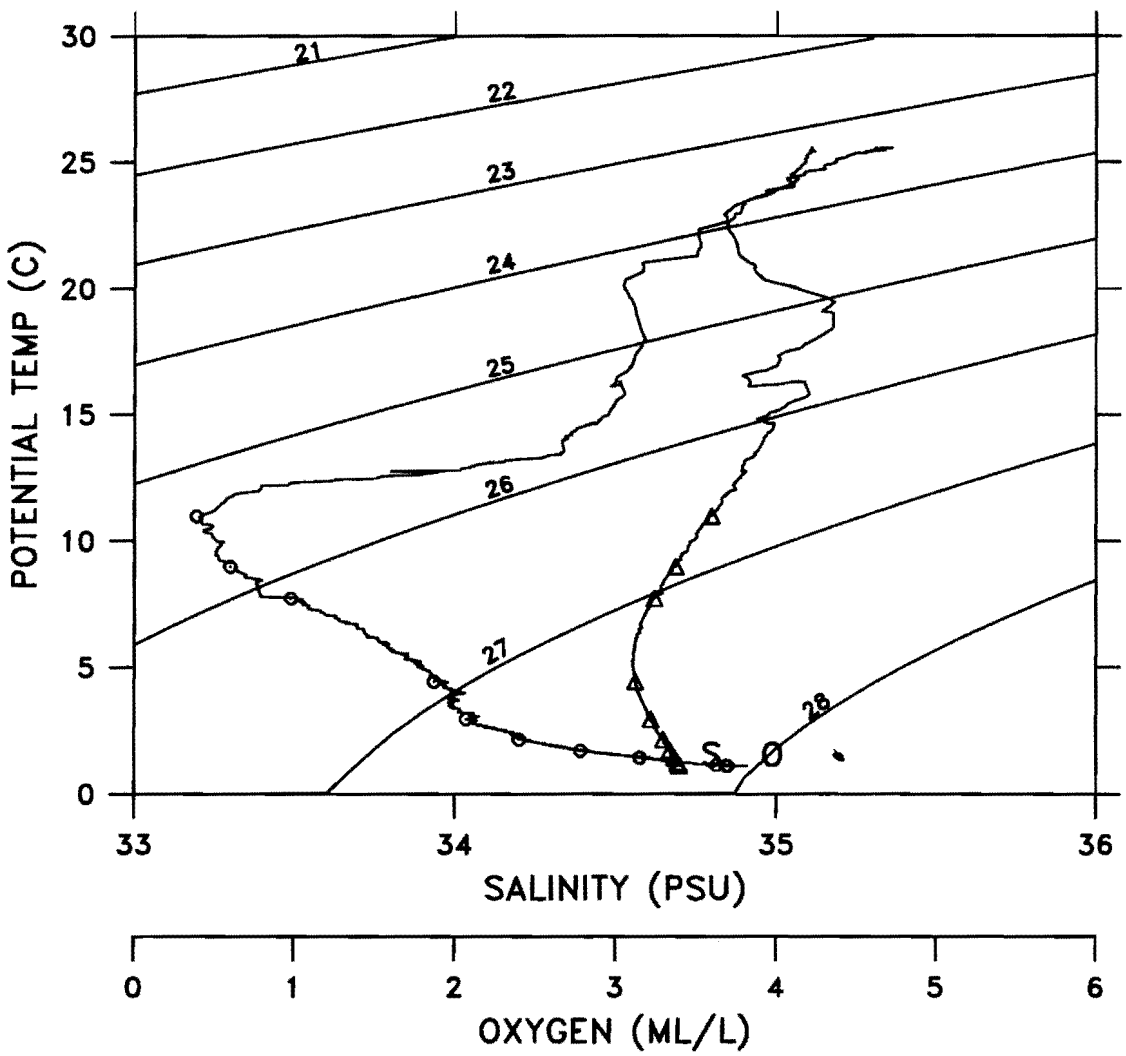


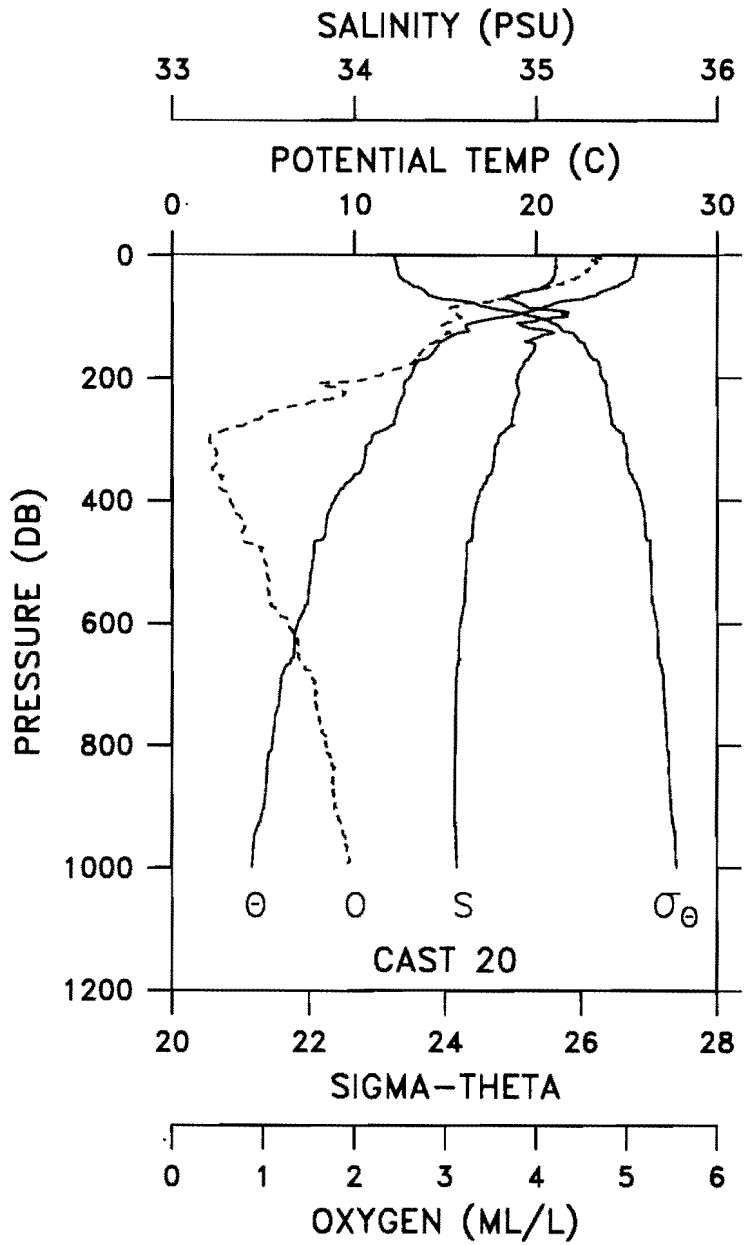
CAST EP2-87-OC -019 DATE 17 OCT 87 TIME 1625 GMT
LAT 00 01.6S LONG 129 59.3W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 105 T SPD 12 KT VISIBILITY 8
CLOUD 8 AMOUNT 5 DRY 26.0 WET 25.0 DEPTH 4437 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.068	34.726	4.47	22.808	0.000
10	26.033	34.735	4.41	22.825	0.050
20	25.962	34.754	4.37	22.861	0.101
30	25.734	34.809	4.26	22.974	0.150
40	25.500	34.863	4.12	23.087	0.198
50	25.239	34.923	4.01	23.212	0.246
60	24.761	34.986	3.89	23.405	0.292
70	24.269	35.072	3.67	23.618	0.336
80	23.336	35.150	3.48	23.952	0.377
90	21.859	35.123	3.16	24.352	0.414
100	20.249	35.080	3.03	24.758	0.448
110	19.636	35.150	3.06	24.973	0.479
120	18.258	35.140	3.09	25.317	0.507
130	17.241	35.062	3.10	25.505	0.533
140	15.821	34.936	3.04	25.740	0.557
150	15.757	35.077	3.00	25.863	0.580
160	14.557	34.966	2.96	26.043	0.600
170	14.138	34.973	2.86	26.138	0.620
180	13.396	34.930	2.65	26.259	0.639
190	13.132	34.912	2.48	26.299	0.656
200	13.076	34.920	2.41	26.316	0.674
205	13.036	34.923	2.32	26.327	0.683

CAST EP2-87-OC -020 DATE 19 OCT 87 TIME 1421 GMT

LAT 00 10.0N LONG 124 22.6W



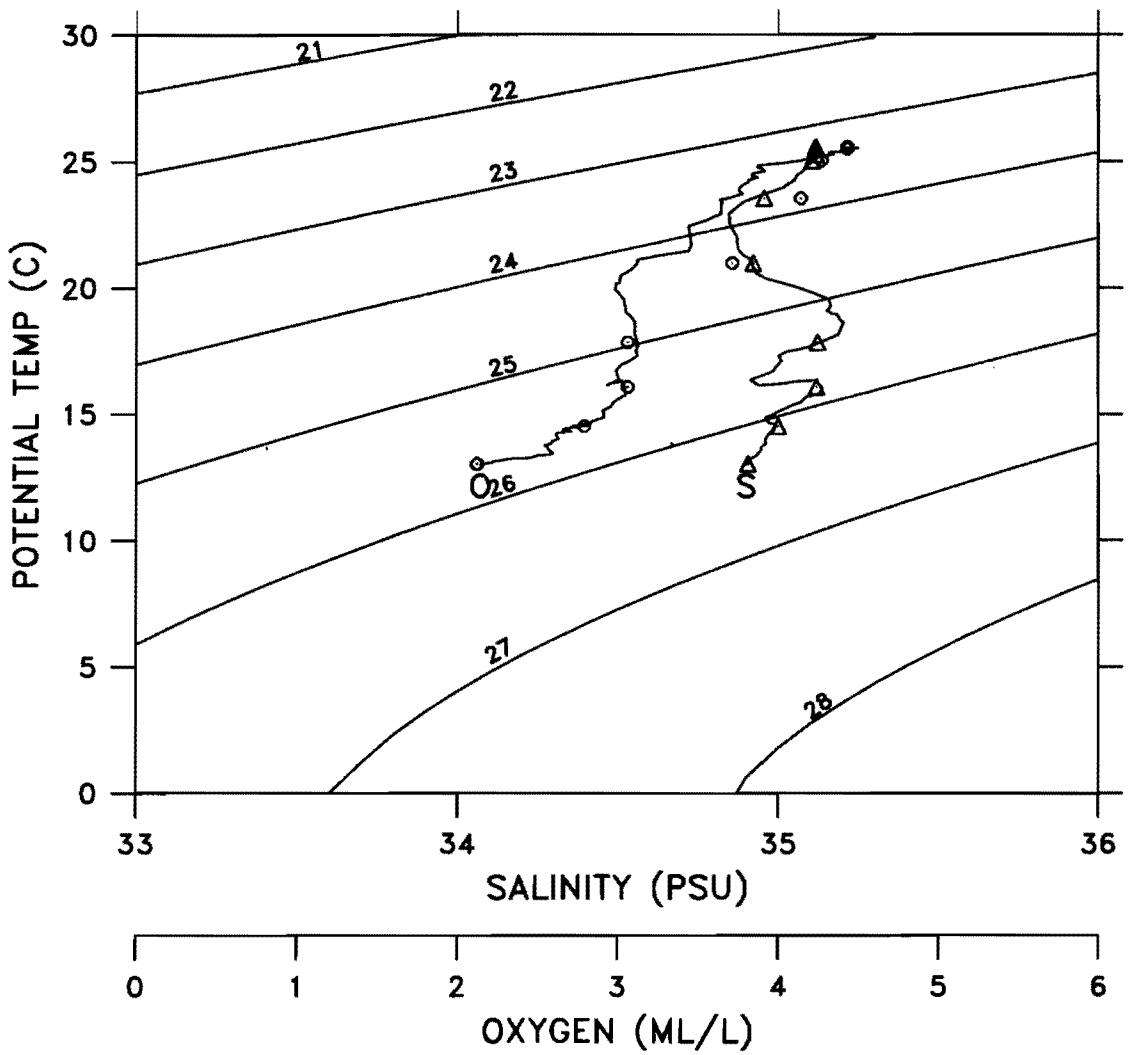


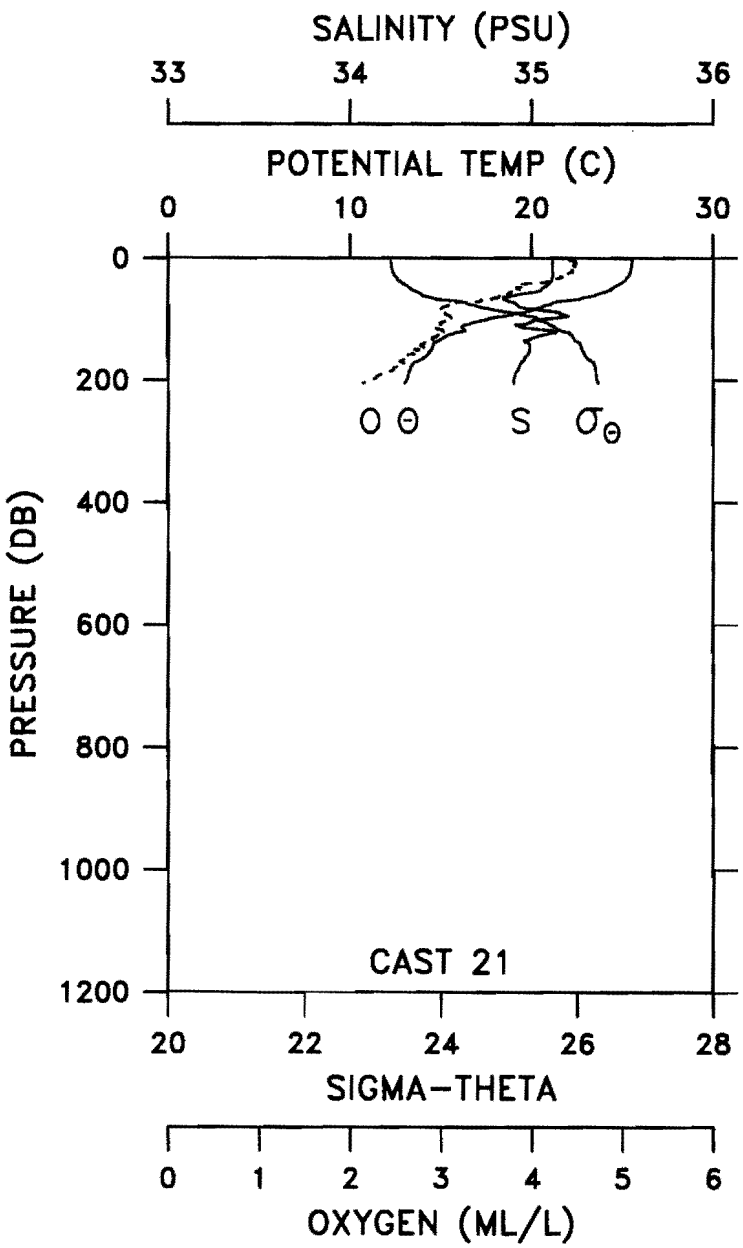
CAST EP2-87-OC -020 DATE 19 OCT 87 TIME 1421 GMT
LAT 00 10.0N LONG 124 22.6W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 100 T SPD 16 KT VISIBILITY 9
CLOUD 8 AMOUNT 4 DRY 25.0 WET 23.8 DEPTH 4576 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.531	35.110	4.68	23.264	0.000
10	25.490	35.108	4.66	23.275	0.046
20	25.404	35.118	4.60	23.309	0.092
30	25.343	35.103	4.52	23.316	0.138
40	25.103	35.088	4.38	23.378	0.183
50	24.526	35.051	4.17	23.525	0.228
60	23.592	34.934	3.89	23.713	0.270
70	22.660	34.844	3.71	23.914	0.312
80	20.893	34.933	3.17	24.473	0.349
90	19.838	35.098	3.07	24.880	0.382
100	18.408	35.173	3.15	25.304	0.411
110	16.538	34.893	3.02	25.542	0.436
120	16.176	34.999	3.03	25.708	0.460
130	15.423	35.033	2.99	25.905	0.482
140	14.816	34.938	2.91	25.965	0.503
150	14.547	34.991	2.81	26.064	0.523
160	14.302	34.978	2.72	26.107	0.543
170	13.771	34.950	2.67	26.197	0.562
180	13.354	34.932	2.57	26.269	0.580
190	13.211	34.906	2.37	26.278	0.598
200	13.040	34.900	2.16	26.308	0.616
250	12.363	34.876	1.22	26.423	0.701
300	10.954	34.791	0.41	26.622	0.781
350	10.384	34.758	0.44	26.697	0.853
400	8.903	34.677	0.64	26.881	0.919
450	8.414	34.651	0.78	26.937	0.979
500	7.697	34.616	1.02	27.017	1.037
550	7.487	34.607	1.07	27.041	1.092
600	6.905	34.584	1.28	27.104	1.147
650	6.686	34.576	1.39	27.128	1.198
700	5.976	34.560	1.55	27.208	1.247
750	5.680	34.558	1.60	27.243	1.294
800	5.503	34.554	1.68	27.262	1.340
900	5.029	34.554	1.78	27.319	1.427
1000	4.372	34.562	1.92	27.399	1.508
1500	2.929	34.609	2.11	27.580	1.844
2000	2.128	34.648	2.43	27.679	2.122
2500	1.697	34.668	2.83	27.729	2.367
3000	1.425	34.681	3.17	27.759	2.595
3500	1.224	34.693	3.46	27.783	2.816
4000	1.118	34.698	3.73	27.795	3.029
4500	1.110	34.698	3.79	27.795	3.250
4620	1.110	34.698	3.78	27.795	3.305

CAST EP2-87-OC -021 DATE 19 OCT 87 TIME 1702 GMT

LAT 00 09.8N LONG 124 21.7W



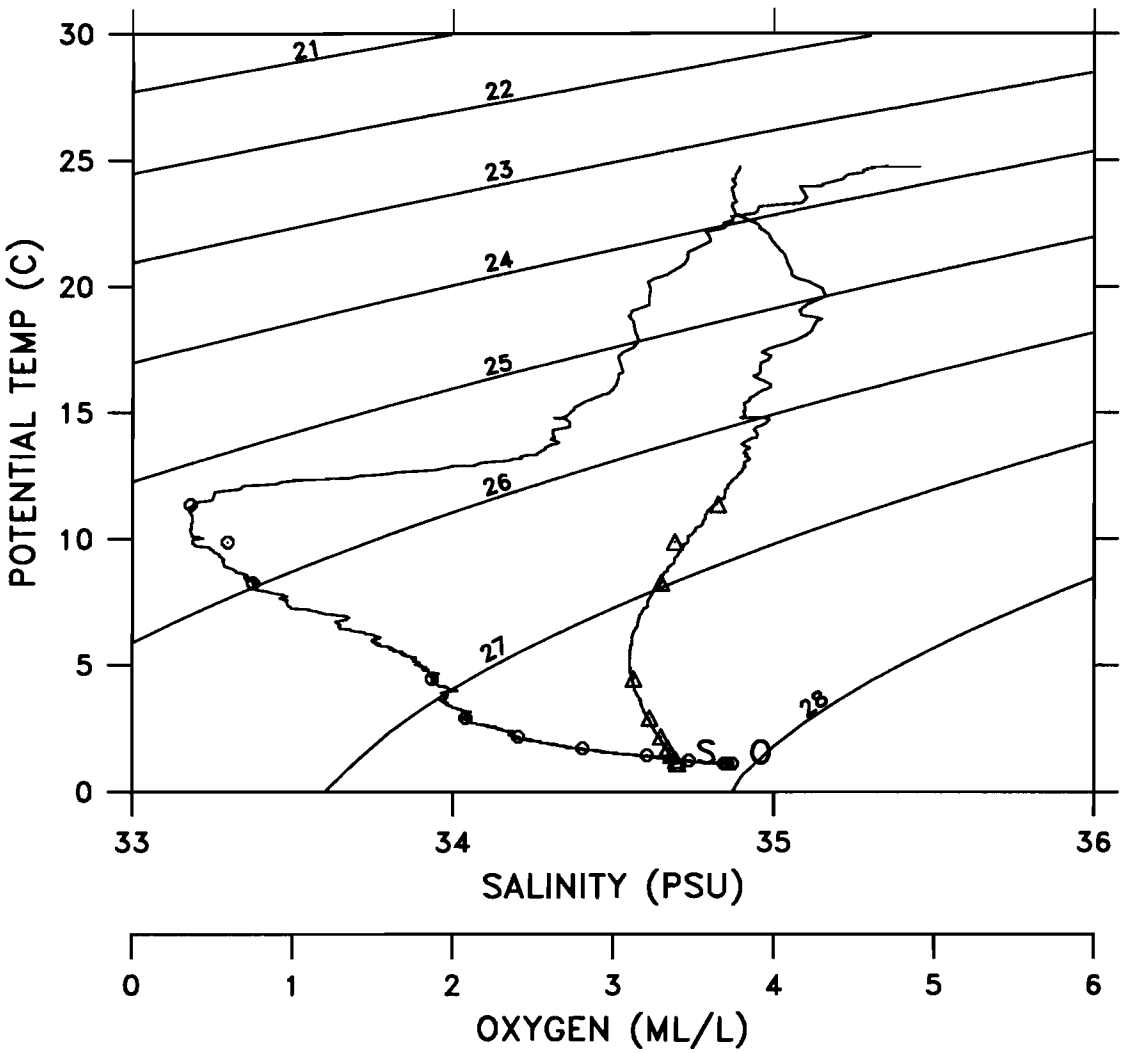


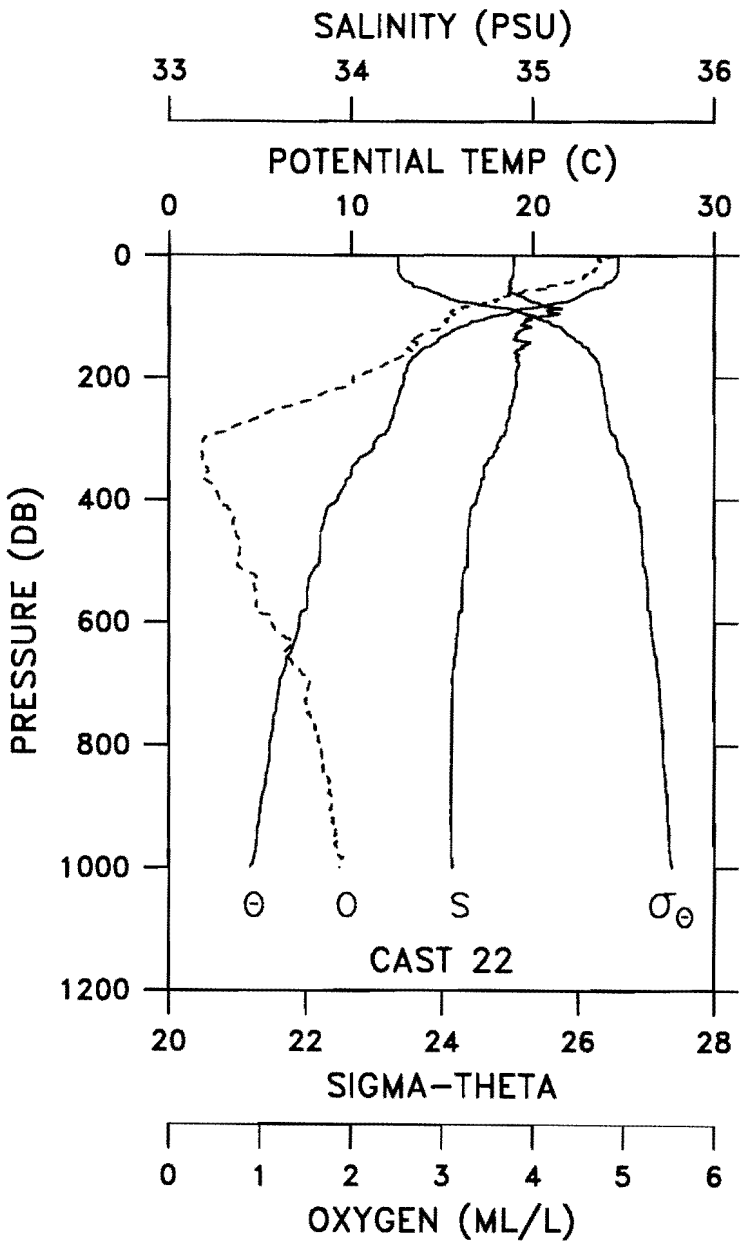
CAST EP2-87-OC -021 DATE 19 OCT 87 TIME 1702 GMT
LAT 00 09.8N LONG 124 21.7W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 090 T SPD 14 KT VISIBILITY 8
CLOUD 8 AMOUNT 5 DRY 26.1 WET 23.4 DEPTH 4576 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.538	35.116	4.41	23.266	0.000
10	25.511	35.115	4.49	23.274	0.046
20	25.465	35.116	4.44	23.289	0.092
30	25.338	35.117	4.32	23.328	0.138
40	25.032	35.105	4.15	23.413	0.183
50	24.423	35.056	3.83	23.559	0.227
60	23.539	34.924	3.69	23.721	0.270
70	21.661	34.871	3.45	24.215	0.310
80	20.544	34.933	3.03	24.567	0.345
90	19.282	35.163	3.04	25.075	0.377
100	17.559	35.061	3.12	25.428	0.404
110	16.275	34.922	2.98	25.625	0.429
120	16.224	35.123	3.03	25.792	0.452
130	15.150	35.008	2.91	25.946	0.474
140	14.599	34.987	2.81	26.050	0.494
150	14.488	34.989	2.76	26.076	0.514
160	14.212	34.970	2.61	26.120	0.533
170	13.560	34.946	2.57	26.238	0.552
180	13.338	34.930	2.49	26.271	0.570
190	13.227	34.911	2.34	26.279	0.588
200	13.116	34.901	2.23	26.294	0.606
205	12.999	34.900	2.14	26.316	0.615

CAST EP2-87-OC -022 DATE 20 OCT 87 TIME 1350 GMT

LAT 00 00.8S LONG 119 59.5W



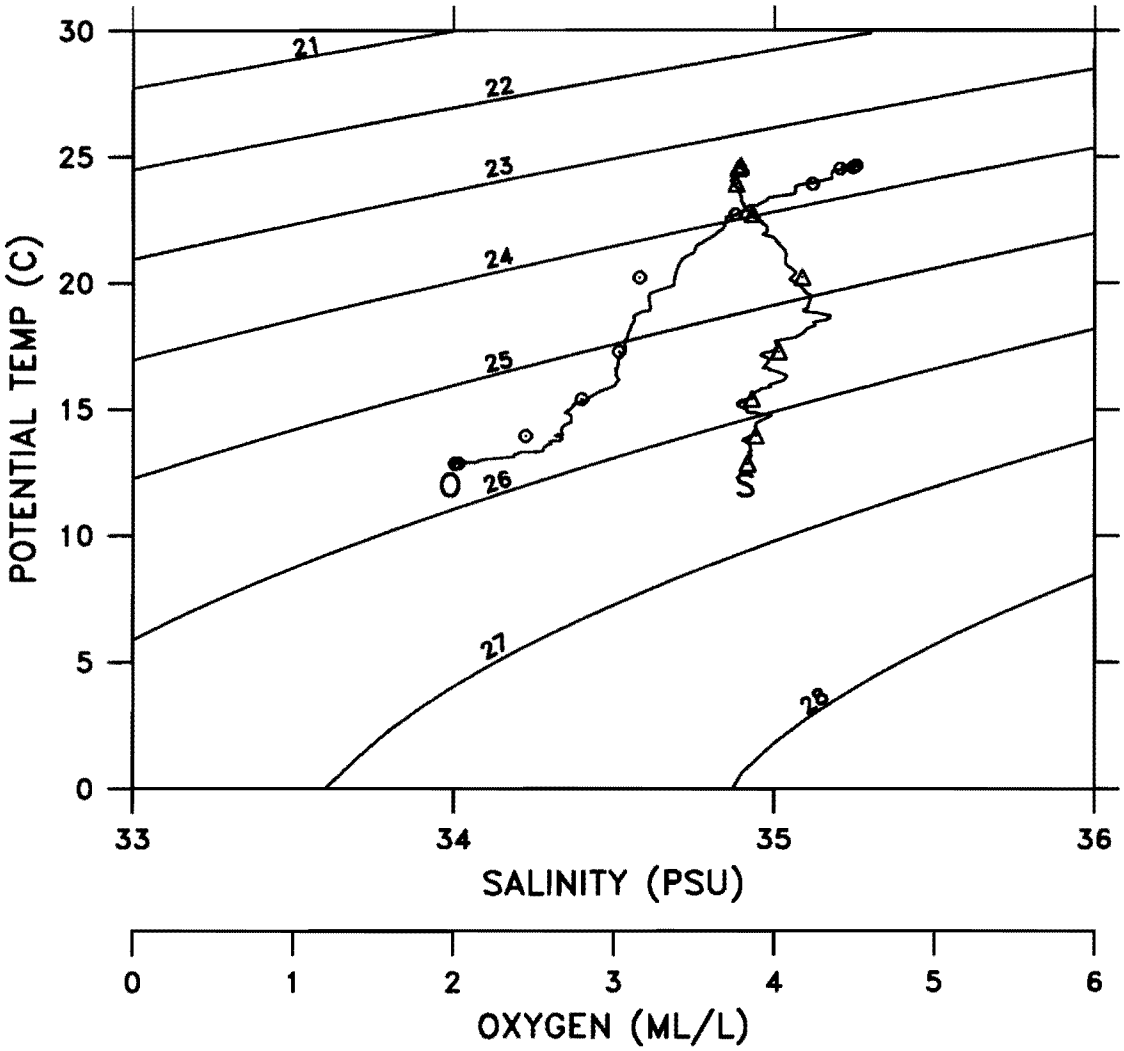


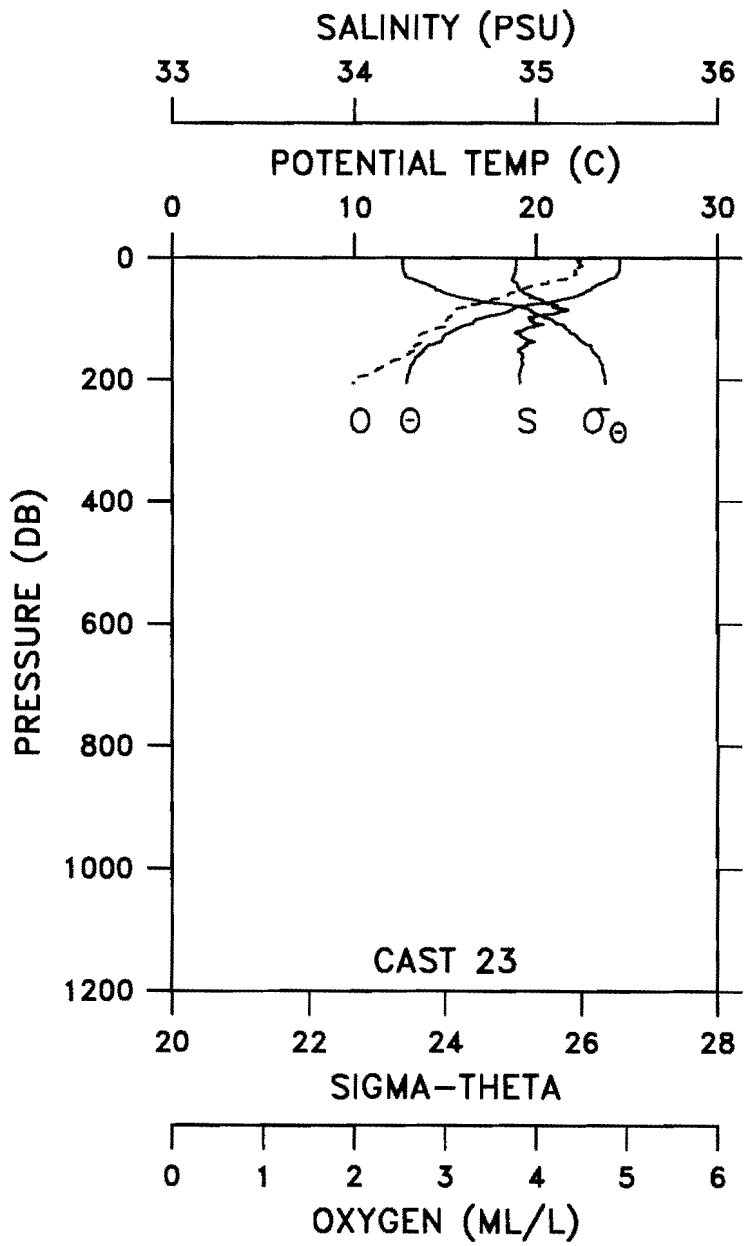
CAST EP2-87-OC -022 DATE 20 OCT 87 TIME 1350 GMT
LAT 00 00.8S LONG 119 59.5W WEATHER 2 SEA STATE 3
BAROMETER 12 WIND DIR 130 T SPD 12 KT VISIBILITY 9
CLOUD 7 AMOUNT 6 DRY 24.2 WET 22.5 DEPTH 4175 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.716	34.896	4.91	23.350	0.000
10	24.720	34.895	4.75	23.349	0.045
20	24.685	34.894	4.70	23.358	0.091
30	24.645	34.893	4.60	23.369	0.136
40	24.394	34.879	4.46	23.434	0.181
50	23.935	34.875	4.16	23.567	0.224
60	22.889	34.877	3.88	23.874	0.266
70	22.321	34.958	3.69	24.097	0.306
80	20.906	35.042	3.44	24.553	0.342
90	19.026	35.079	3.11	25.076	0.374
100	17.693	35.028	3.14	25.370	0.401
110	16.539	34.954	3.03	25.588	0.427
120	15.758	34.949	2.97	25.764	0.450
130	15.191	34.910	2.76	25.861	0.473
140	14.791	34.944	2.63	25.975	0.494
150	14.135	34.949	2.62	26.120	0.514
160	13.702	34.903	2.61	26.175	0.533
170	13.312	34.918	2.48	26.267	0.551
180	13.108	34.923	2.36	26.313	0.569
190	13.026	34.908	2.20	26.317	0.586
200	12.892	34.908	2.02	26.344	0.603
250	12.378	34.876	1.22	26.420	0.688
300	11.430	34.822	0.38	26.558	0.770
350	10.041	34.731	0.43	26.735	0.843
400	9.243	34.691	0.55	26.837	0.910
450	8.362	34.644	0.71	26.940	0.971
500	8.237	34.640	0.76	26.955	1.031
550	7.591	34.609	0.94	27.028	1.088
600	7.147	34.591	1.13	27.076	1.143
650	6.686	34.577	1.27	27.128	1.196
700	6.074	34.558	1.55	27.194	1.246
750	5.781	34.553	1.54	27.227	1.293
800	5.534	34.551	1.67	27.256	1.340
900	5.026	34.552	1.79	27.317	1.429
1000	4.468	34.557	1.88	27.384	1.512
1500	2.902	34.609	2.08	27.582	1.855
2000	2.162	34.642	2.38	27.672	2.132
2500	1.711	34.664	2.78	27.725	2.382
3000	1.438	34.676	3.13	27.755	2.612
3500	1.231	34.688	3.46	27.779	2.835
4000	1.120	34.694	3.70	27.791	3.050
4210	1.118	34.694	3.72	27.792	3.142

CAST EP2-87-OC -023 DATE 20 OCT 87 TIME 1603 GMT

LAT 00 00.9N LONG 119 59.0W



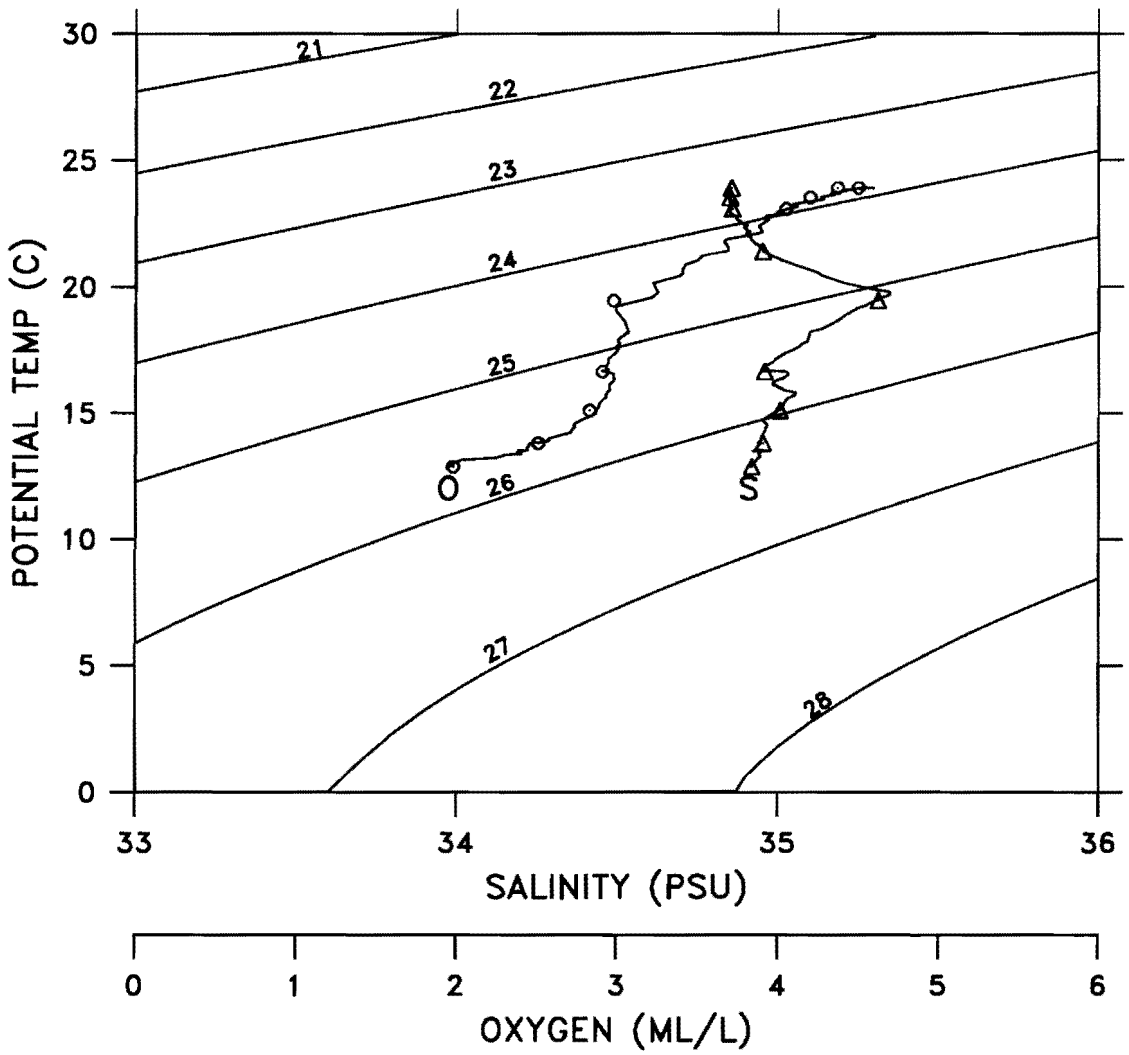


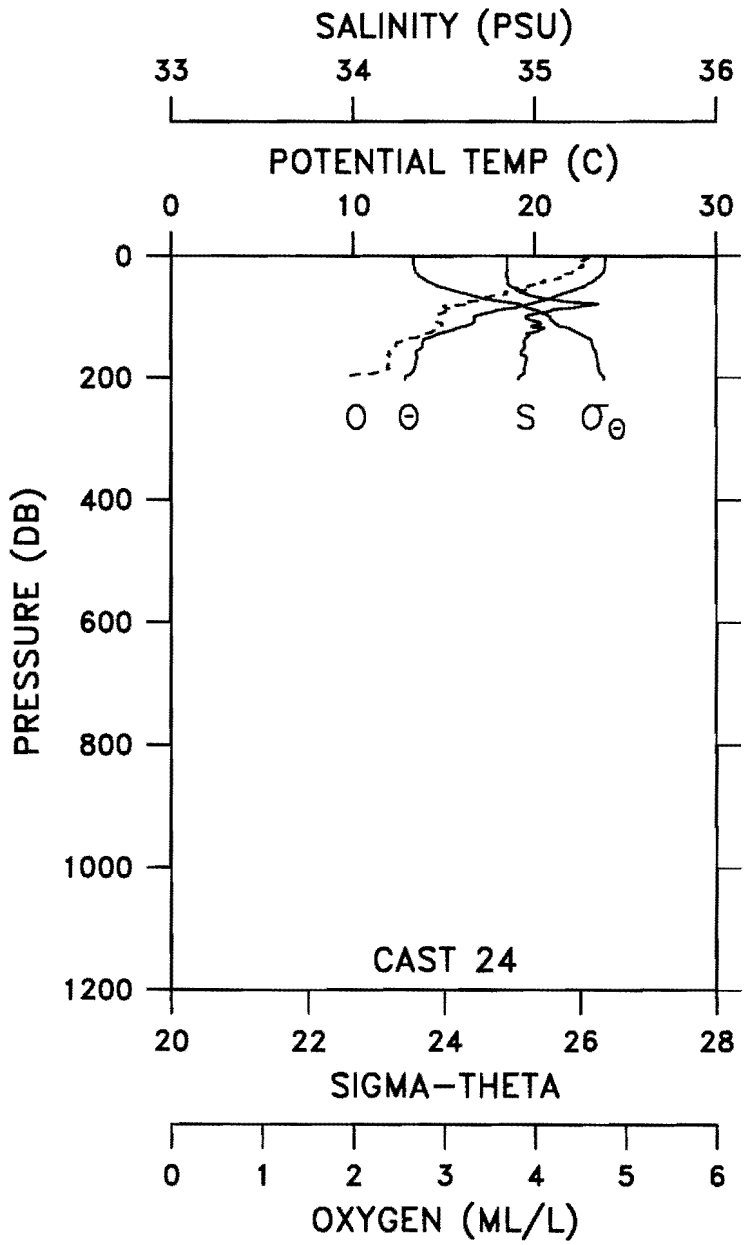
CAST EP2-87-OC -023 DATE 20 OCT 87 TIME 1603 GMT
LAT 00 00.9N LONG 119 59.0W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 130 T SPD 10 KT VISIBILITY 8
CLOUD 8 AMOUNT 5 DRY 25.0 WET 23.0 DEPTH 4175 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.635	34.892	4.47	23.372	0.000
10	24.631	34.891	4.48	23.372	0.045
20	24.591	34.887	4.50	23.381	0.090
30	24.442	34.877	4.38	23.418	0.135
40	23.719	34.888	4.13	23.641	0.179
50	23.046	34.907	3.87	23.851	0.220
60	22.417	34.963	3.70	24.074	0.260
70	21.170	35.037	3.49	24.477	0.297
80	19.006	35.103	3.23	25.099	0.329
90	18.312	35.127	3.11	25.293	0.357
100	16.884	34.981	3.02	25.528	0.383
110	16.160	35.030	3.03	25.735	0.407
120	15.412	34.922	2.84	25.822	0.429
130	14.873	34.923	2.69	25.941	0.451
140	14.491	34.948	2.73	26.043	0.471
150	13.832	34.904	2.68	26.149	0.491
160	13.541	34.924	2.58	26.225	0.509
170	13.281	34.923	2.41	26.277	0.527
180	13.071	34.918	2.29	26.316	0.545
190	12.977	34.908	2.16	26.327	0.562
200	12.886	34.908	2.02	26.345	0.580
206	12.860	34.909	1.98	26.351	0.590

CAST EP2-87-OC -024 DATE 21 OCT 87 TIME 1433 GMT

LAT 00 00.5N LONG 114 59.6W



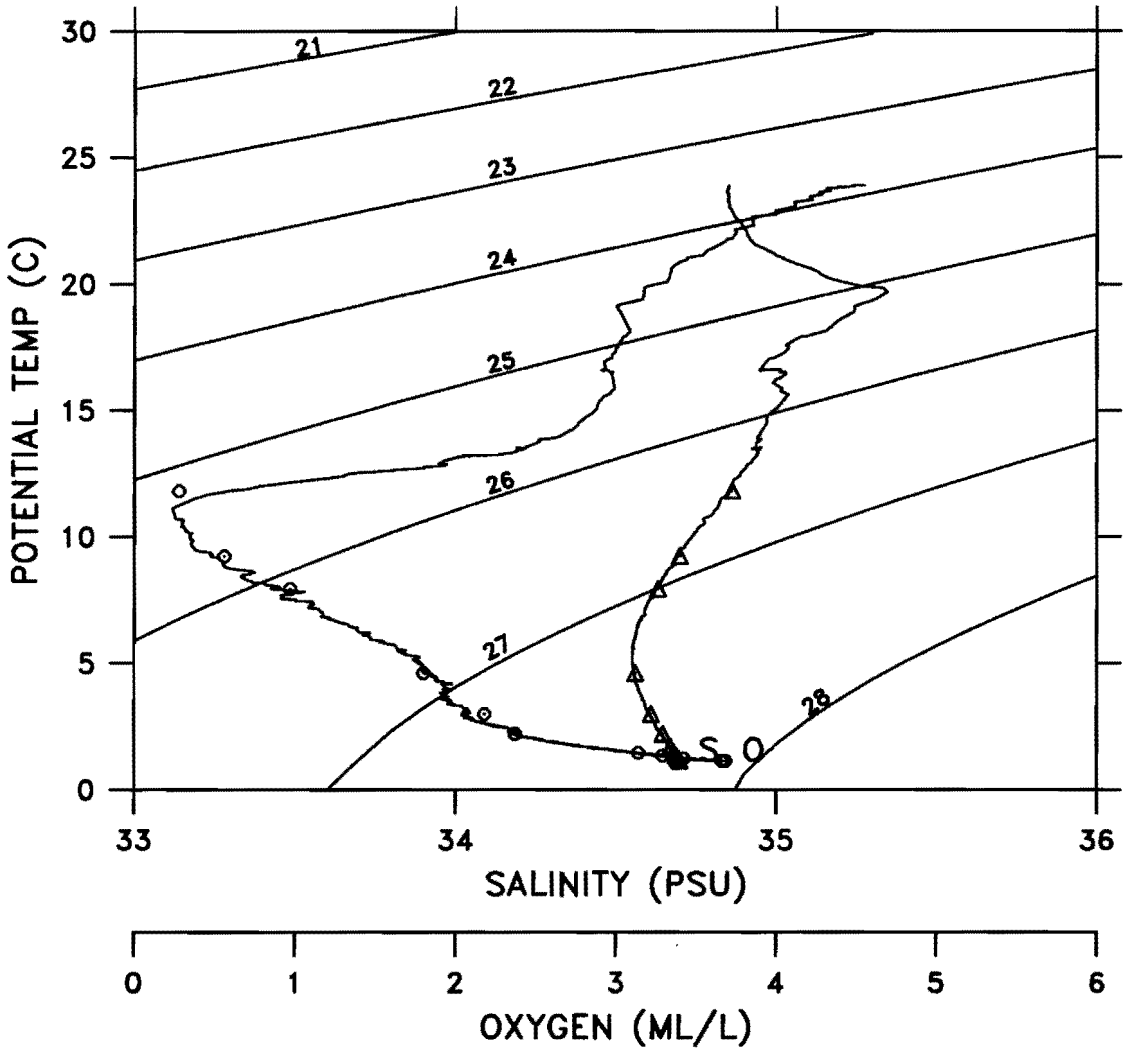


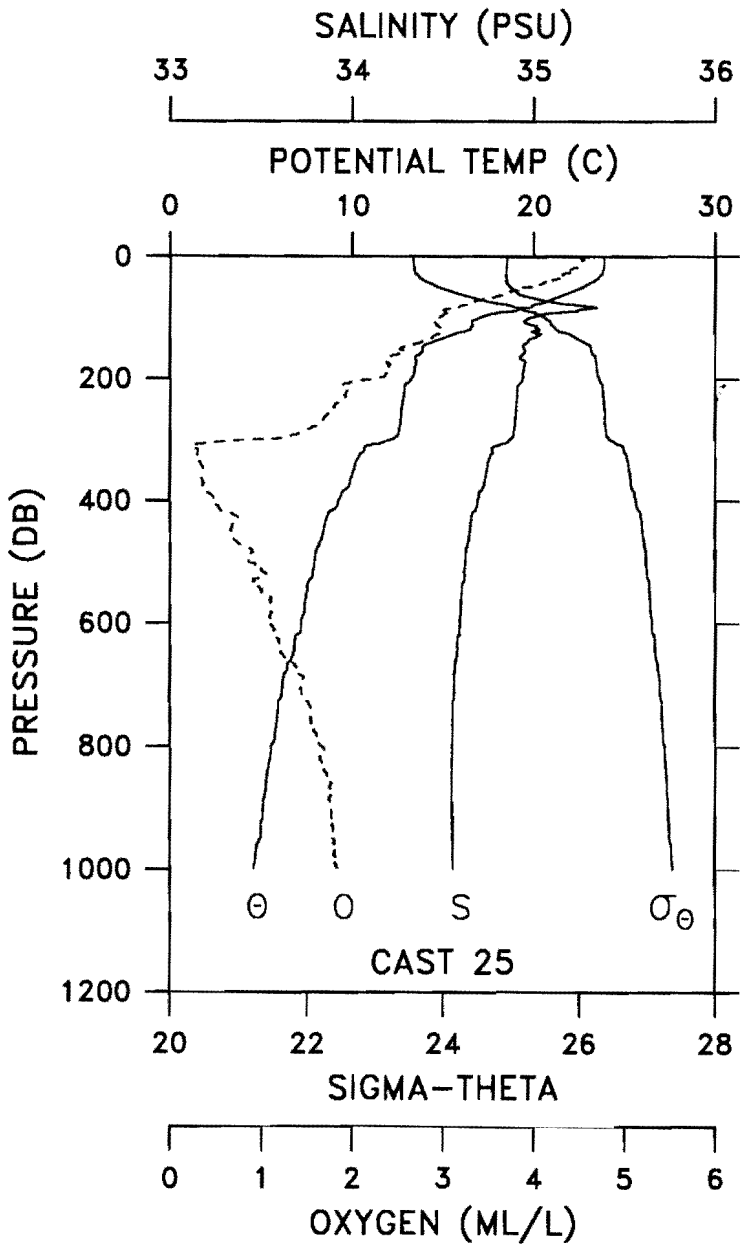
CAST EP2-87-OC -024 DATE 21 OCT 87 TIME 1433 GMT
LAT 00 00.5N LONG 114 59.6W WEATHER 2 SEA STATE 2
BAROMETER 12 WIND DIR 100 T SPD 16 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 24.0 WET 22.5 DEPTH 3955 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.904	34.849	4.59	23.557	0.000
10	23.900	34.849	4.53	23.558	0.043
20	23.861	34.848	4.48	23.569	0.087
30	23.667	34.843	4.33	23.622	0.130
40	23.268	34.852	4.09	23.745	0.172
50	22.688	34.871	3.92	23.927	0.213
60	21.702	34.925	3.67	24.245	0.251
70	20.790	35.068	3.42	24.604	0.286
80	19.556	35.321	3.21	25.124	0.317
90	17.828	35.092	3.01	25.386	0.345
100	16.649	34.950	2.92	25.559	0.370
110	16.595	35.031	2.96	25.634	0.394
120	15.629	35.039	2.93	25.863	0.417
130	14.593	34.963	2.74	26.033	0.438
140	13.852	34.940	2.54	26.172	0.457
150	13.805	34.946	2.46	26.187	0.476
160	13.481	34.923	2.39	26.236	0.494
170	13.514	34.954	2.40	26.254	0.512
180	13.436	34.947	2.39	26.264	0.530
190	13.306	34.944	2.29	26.288	0.548
200	12.876	34.910	1.95	26.349	0.566
203	12.873	34.910	1.95	26.349	0.571

CAST EP2-87-OC -025 DATE 21 OCT 87 TIME 1653 GMT

LAT 00 00.7N LONG 114 58.2W



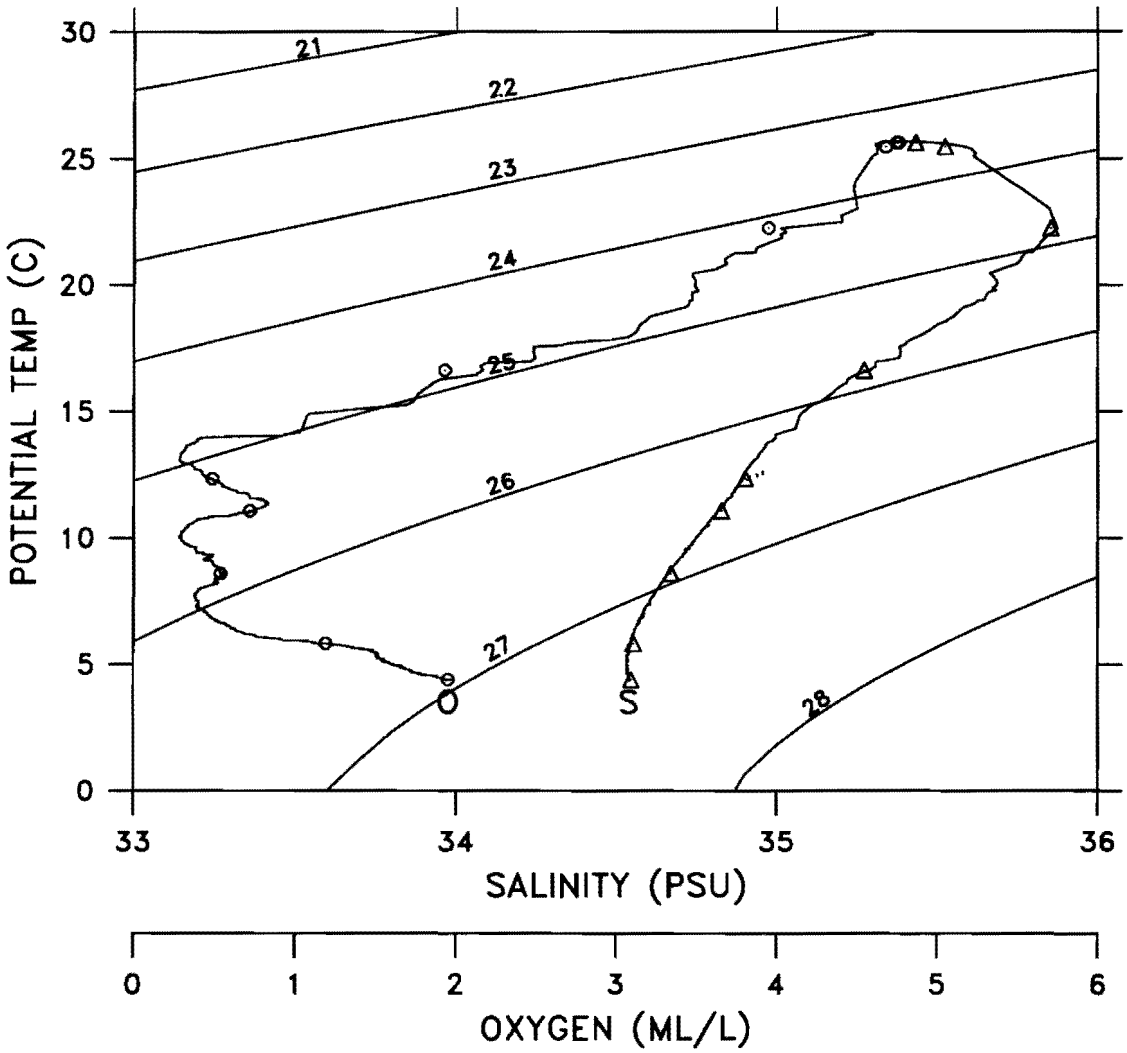


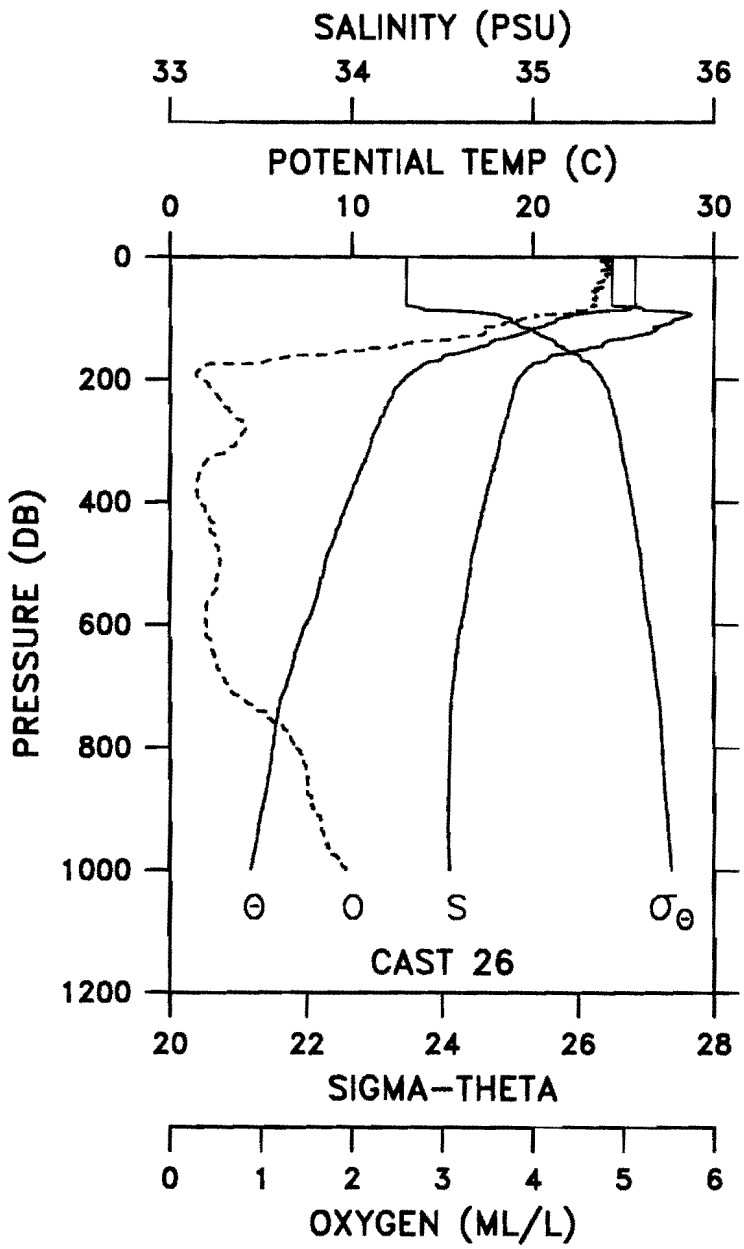
CAST EP2-87-OC -025 DATE 21 OCT 87 TIME 1653 GMT
LAT 00 00.7N LONG 114 58.2W WEATHER 2 SEA STATE 3
BAROMETER 14 WIND DIR 110 T SPD 17 KT VISIBILITY 8
CLOUD 7 AMOUNT 8 DRY 24.9 WET 23.4 DEPTH 3986 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.898	34.852	4.54	23.561	0.000
10	23.894	34.851	4.51	23.562	0.043
20	23.842	34.850	4.42	23.576	0.086
30	23.691	34.848	4.32	23.619	0.129
40	23.322	34.847	4.22	23.726	0.172
50	22.655	34.869	3.85	23.934	0.213
60	21.820	34.915	3.72	24.205	0.251
70	20.971	35.030	3.44	24.526	0.287
80	19.905	35.270	3.19	24.994	0.319
90	18.575	35.196	3.05	25.280	0.348
100	17.043	34.977	2.96	25.487	0.374
110	16.608	34.966	2.92	25.582	0.398
120	16.425	35.027	2.97	25.671	0.422
130	15.348	35.017	2.89	25.909	0.444
140	14.426	34.967	2.76	26.072	0.465
150	13.863	34.944	2.54	26.173	0.484
160	13.714	34.938	2.50	26.200	0.503
170	13.524	34.948	2.40	26.247	0.521
180	13.454	34.948	2.40	26.261	0.539
190	13.404	34.941	2.38	26.266	0.557
200	13.249	34.939	2.25	26.296	0.575
250	12.721	34.903	1.80	26.374	0.661
300	12.141	34.864	0.96	26.457	0.747
350	10.094	34.742	0.35	26.735	0.819
400	9.240	34.692	0.48	26.838	0.886
450	8.426	34.648	0.68	26.933	0.947
500	7.930	34.623	0.86	26.989	1.006
550	7.470	34.603	1.00	27.040	1.062
600	7.180	34.592	1.10	27.072	1.117
650	6.738	34.577	1.22	27.122	1.170
700	6.148	34.561	1.43	27.187	1.220
750	5.863	34.556	1.55	27.219	1.268
800	5.531	34.550	1.67	27.256	1.315
900	5.092	34.550	1.76	27.308	1.404
1000	4.586	34.556	1.83	27.370	1.488
1500	2.941	34.606	2.06	27.576	1.839
2000	2.211	34.640	2.36	27.666	2.119
2500	1.677	34.666	2.83	27.729	2.366
3000	1.449	34.676	3.13	27.754	2.598
3500	1.238	34.689	3.40	27.779	2.822
4000	1.135	34.694	3.66	27.790	3.038
4050	1.134	34.695	3.66	27.791	3.060

CAST EP2-87-OC -026 DATE 23 OCT 87 TIME 1126 GMT

LAT 08 02.7S LONG 109 54.4W



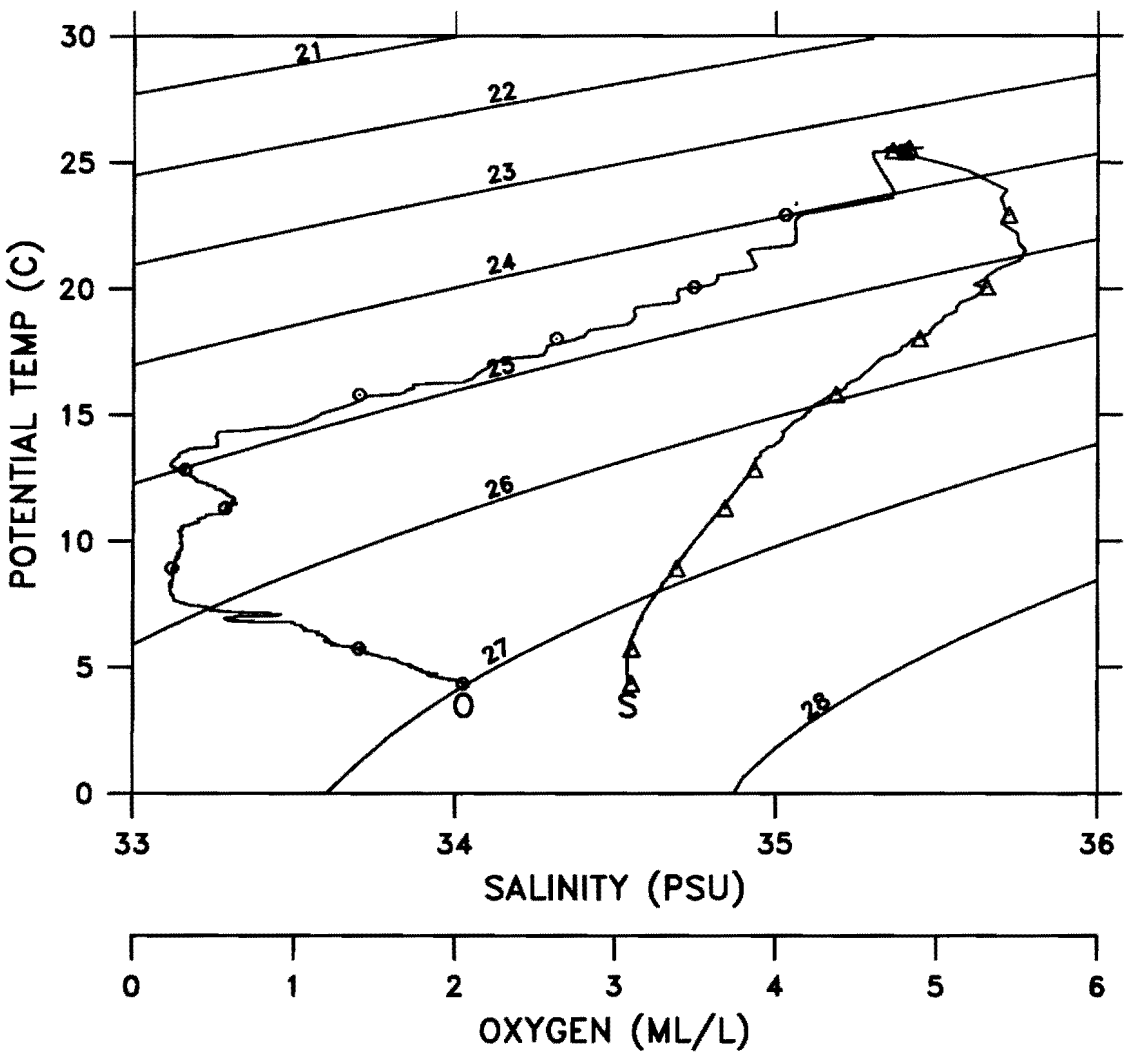


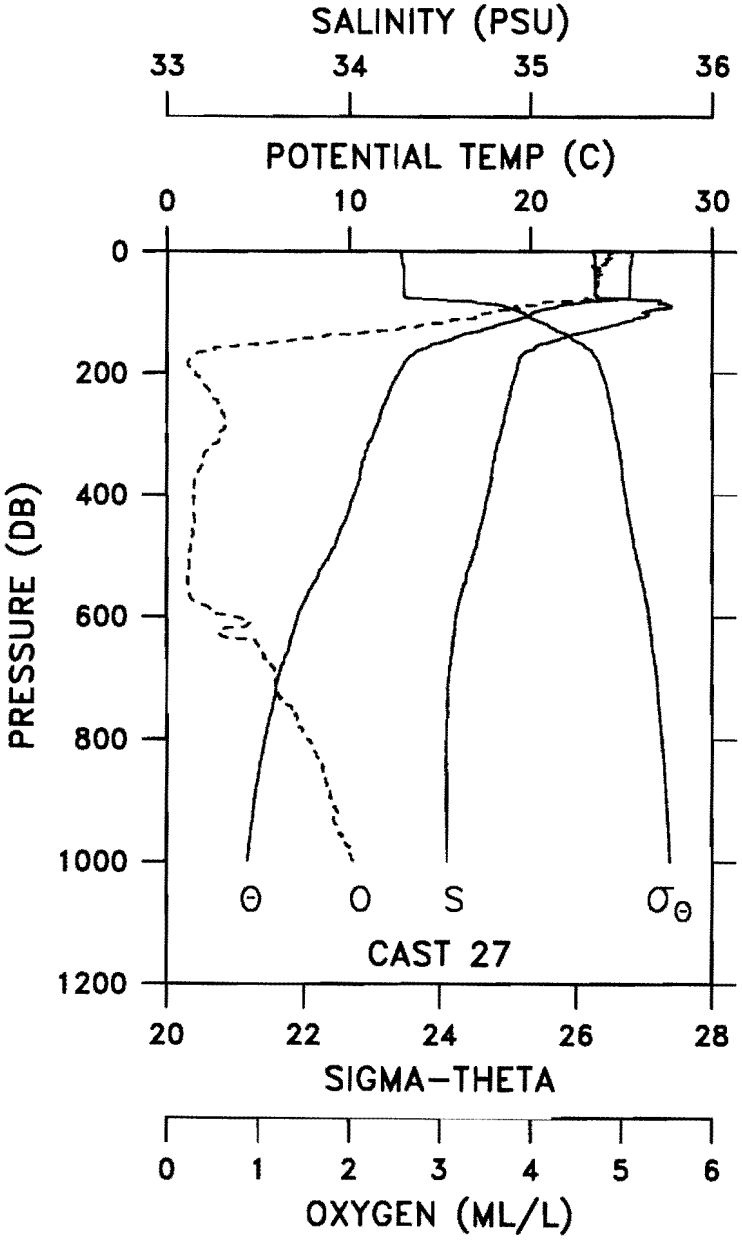
CAST EP2-87-OC -026 DATE 23 OCT 87 TIME 1126 GMT
LAT 08 02.7S LONG 109 54.4W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 110 T SPD 16 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 24.5 WET 22.0 DEPTH 3464 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.644	35.425	4.76	23.467	0.000
10	25.657	35.437	4.75	23.471	0.044
20	25.659	35.437	4.85	23.471	0.088
30	25.657	35.438	4.82	23.472	0.132
40	25.651	35.437	4.77	23.474	0.177
50	25.654	35.437	4.77	23.473	0.221
60	25.654	35.437	4.72	23.473	0.265
70	25.653	35.438	4.67	23.473	0.309
80	25.655	35.451	4.70	23.483	0.354
90	23.407	35.808	4.49	24.430	0.395
100	21.482	35.811	3.88	24.980	0.427
110	20.779	35.734	3.67	25.115	0.456
120	19.757	35.671	3.51	25.339	0.484
130	18.752	35.551	3.21	25.507	0.510
140	17.620	35.395	2.66	25.669	0.535
150	16.793	35.309	2.15	25.801	0.558
160	15.256	35.110	1.69	26.001	0.579
170	14.647	35.068	1.06	26.102	0.600
180	13.767	34.975	0.38	26.218	0.618
190	13.282	34.944	0.29	26.293	0.636
200	12.892	34.919	0.36	26.352	0.654
250	11.816	34.865	0.65	26.520	0.735
300	11.080	34.816	0.74	26.618	0.811
350	10.433	34.775	0.34	26.702	0.884
400	9.735	34.735	0.34	26.790	0.953
450	9.109	34.693	0.46	26.860	1.018
500	8.517	34.657	0.54	26.926	1.081
550	8.100	34.634	0.46	26.972	1.141
600	7.474	34.605	0.40	27.041	1.196
650	6.835	34.575	0.47	27.107	1.252
700	6.374	34.559	0.63	27.156	1.304
750	5.898	34.546	1.08	27.207	1.353
800	5.635	34.543	1.40	27.237	1.400
900	5.072	34.533	1.57	27.296	1.491
1000	4.400	34.540	1.93	27.378	1.575
1008	4.367	34.541	1.95	27.382	1.581

CAST EP2-87-OC -027 DATE 23 OCT 87 TIME 2345 GMT

LAT 07 00.1S LONG 110 00.5W



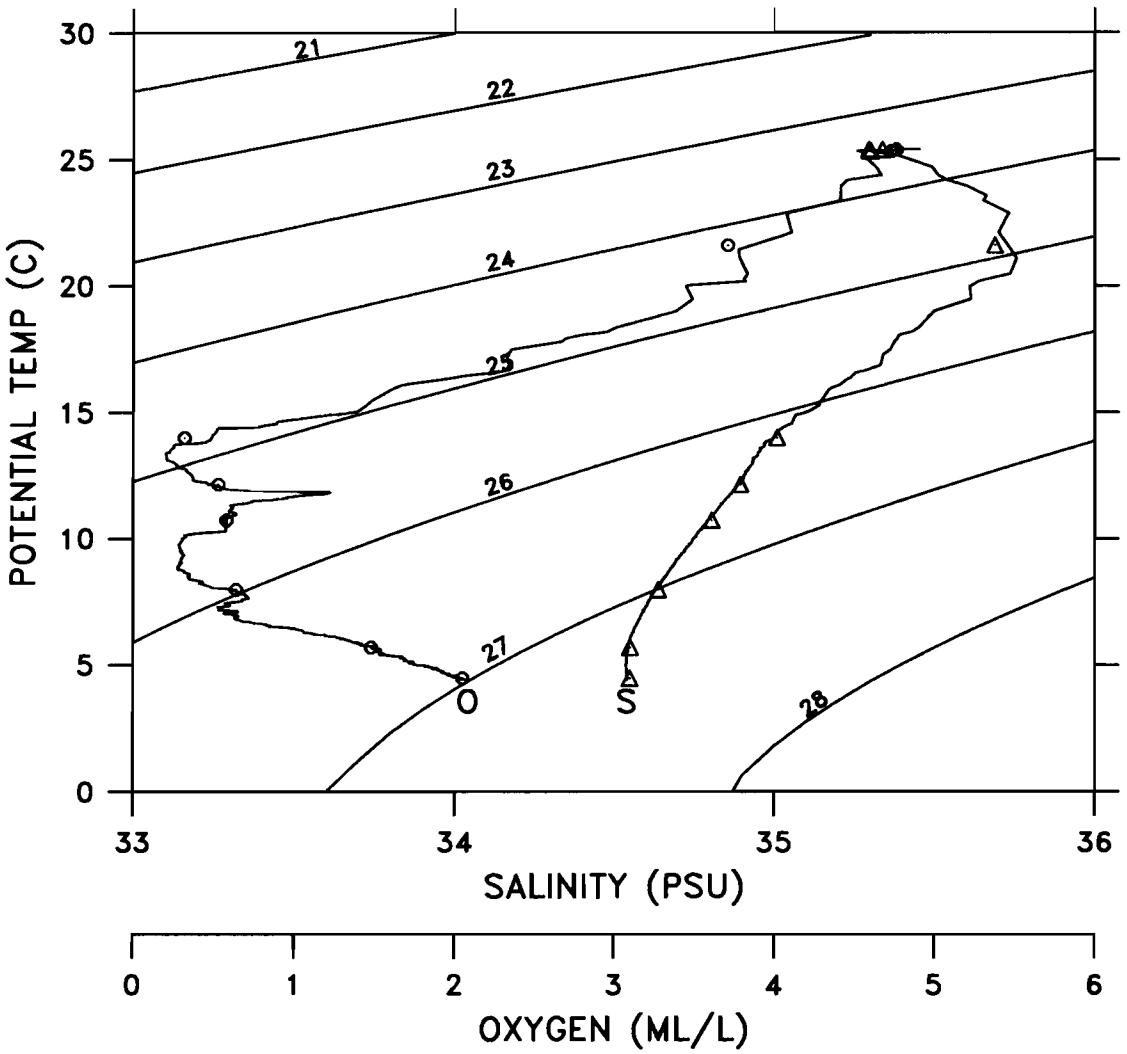


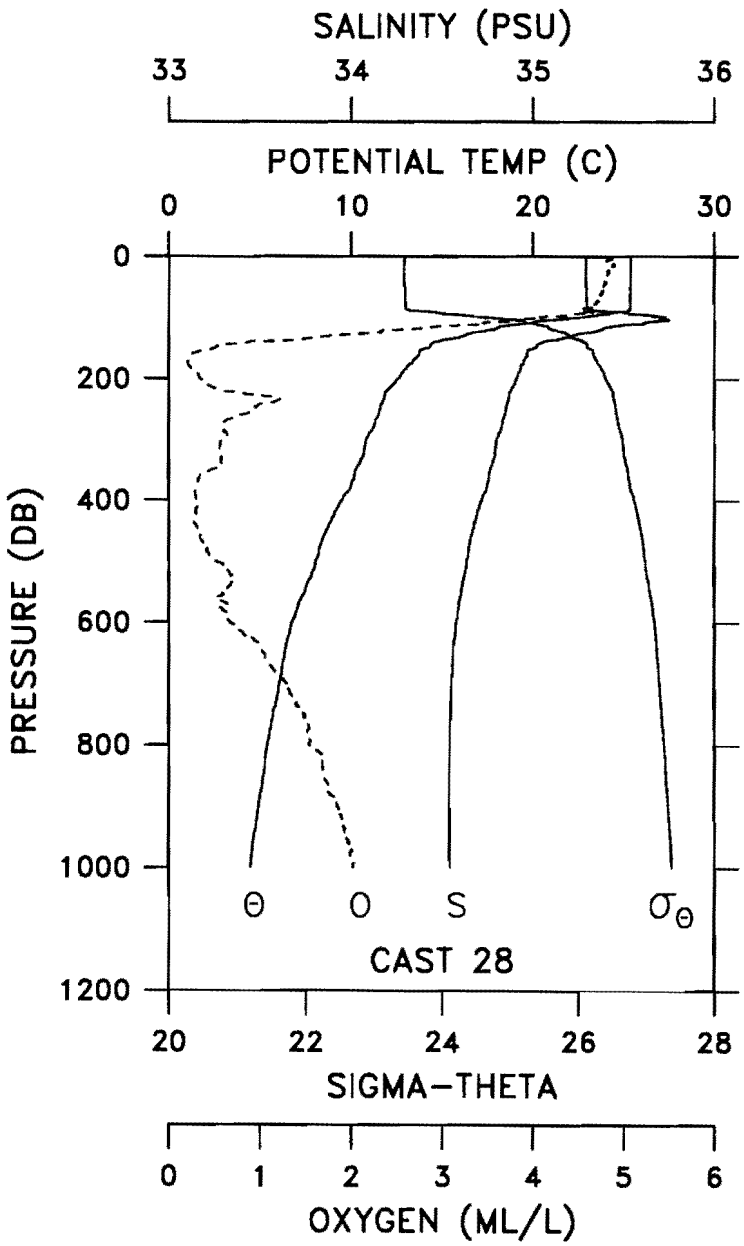
CAST EP2-87-OC -027 DATE 23 OCT 87 TIME 2345 GMT
LAT 07 00.1S LONG 110 00.5W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 125 T SPD 17 KT VISIBILITY 9
CLOUD 8 AMOUNT 3 DRY 25.1 WET 24.0 DEPTH 3470 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.590	35.344	4.88	23.422	0.000
10	25.572	35.353	4.87	23.434	0.044
20	25.528	35.354	4.82	23.448	0.089
30	25.469	35.355	4.72	23.468	0.133
40	25.462	35.355	4.72	23.470	0.177
50	25.456	35.355	4.75	23.472	0.222
60	25.453	35.355	4.72	23.473	0.266
70	25.448	35.355	4.71	23.475	0.310
80	23.906	35.717	4.73	24.214	0.353
90	21.495	35.774	3.84	24.949	0.387
100	20.159	35.616	3.60	25.190	0.416
110	19.473	35.575	3.38	25.340	0.443
120	18.204	35.476	2.81	25.587	0.469
130	17.294	35.336	2.45	25.703	0.492
140	15.975	35.205	1.69	25.912	0.515
150	15.054	35.095	1.17	26.034	0.535
160	14.115	35.022	0.51	26.180	0.555
170	13.503	34.952	0.29	26.254	0.573
180	13.146	34.937	0.24	26.315	0.591
190	12.928	34.925	0.26	26.350	0.608
200	12.752	34.921	0.32	26.382	0.625
250	11.959	34.874	0.57	26.500	0.707
300	11.355	34.834	0.59	26.582	0.785
350	10.731	34.793	0.39	26.663	0.859
400	10.263	34.765	0.29	26.724	0.930
450	9.652	34.726	0.29	26.797	0.999
500	8.890	34.681	0.24	26.886	1.064
550	7.967	34.629	0.23	26.988	1.125
600	7.167	34.588	0.72	27.071	1.181
650	6.677	34.569	1.01	27.124	1.234
700	6.078	34.550	1.21	27.187	1.284
750	5.784	34.543	1.37	27.219	1.332
800	5.367	34.538	1.54	27.266	1.378
900	4.789	34.536	1.81	27.331	1.465
1000	4.403	34.541	2.05	27.378	1.546
1009	4.336	34.543	2.05	27.387	1.554

CAST EP2-87-OC -028 DATE 24 OCT 87 TIME 0607 GMT

LAT 06 00.6S LONG 110 01.5W



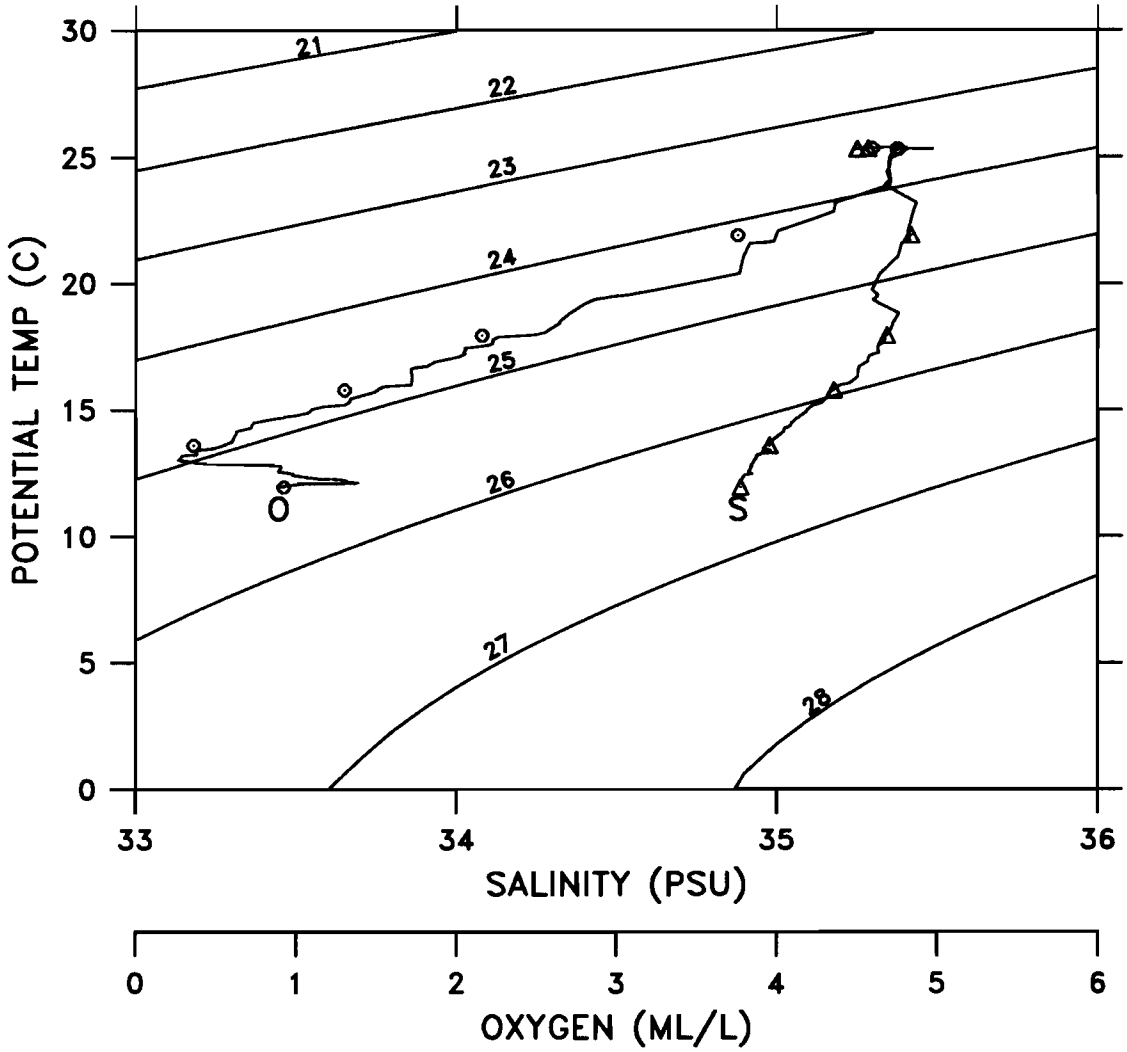


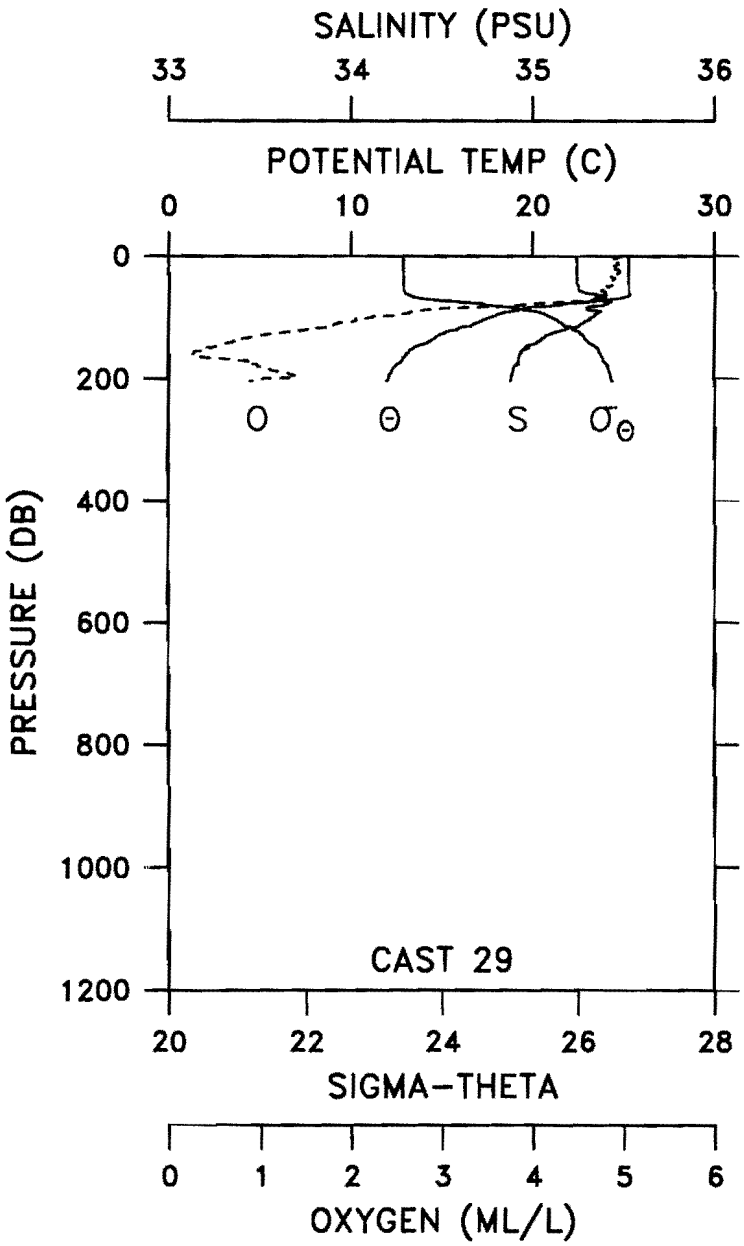
CAST EP2-87-OC -028 DATE 24 OCT 87 TIME 0607 GMT
LAT 06 00.6S LONG 110 01.5W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 110 T SPD 17 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 24.8 WET 22.7 DEPTH 3409 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.383	35.292	4.87	23.447	0.000
10	25.379	35.292	4.86	23.448	0.044
20	25.385	35.292	4.84	23.446	0.089
30	25.385	35.291	4.81	23.446	0.133
40	25.386	35.292	4.78	23.446	0.178
50	25.351	35.295	4.76	23.459	0.222
60	25.342	35.295	4.77	23.462	0.266
70	25.341	35.297	4.70	23.463	0.311
80	25.339	35.298	4.65	23.465	0.355
90	24.692	35.492	4.63	23.808	0.399
100	22.116	35.700	4.11	24.718	0.437
110	19.230	35.556	3.44	25.388	0.465
120	17.473	35.362	2.35	25.680	0.490
130	16.130	35.209	1.72	25.879	0.512
140	14.545	35.054	0.89	26.114	0.533
150	14.060	35.004	0.49	26.178	0.552
160	13.730	34.968	0.26	26.220	0.570
170	13.416	34.949	0.22	26.270	0.589
180	13.075	34.935	0.23	26.328	0.606
190	12.793	34.921	0.29	26.374	0.623
200	12.584	34.911	0.35	26.407	0.640
250	11.595	34.852	0.95	26.551	0.719
300	10.822	34.801	0.59	26.653	0.795
350	10.252	34.763	0.49	26.724	0.866
400	9.475	34.720	0.30	26.822	0.934
450	8.627	34.667	0.34	26.917	0.997
500	8.036	34.634	0.51	26.981	1.056
550	7.442	34.605	0.57	27.046	1.113
600	6.732	34.577	0.67	27.123	1.166
650	6.366	34.562	1.04	27.159	1.217
700	6.053	34.552	1.29	27.192	1.266
750	5.728	34.543	1.50	27.226	1.314
800	5.400	34.541	1.54	27.265	1.360
900	4.914	34.538	1.85	27.319	1.448
1000	4.464	34.540	2.02	27.371	1.530
1009	4.419	34.541	2.08	27.377	1.537

CAST EP2-87-OC -029 DATE 24 OCT 87 TIME 1219 GMT

LAT 05 00.1S LONG 109 54.3W



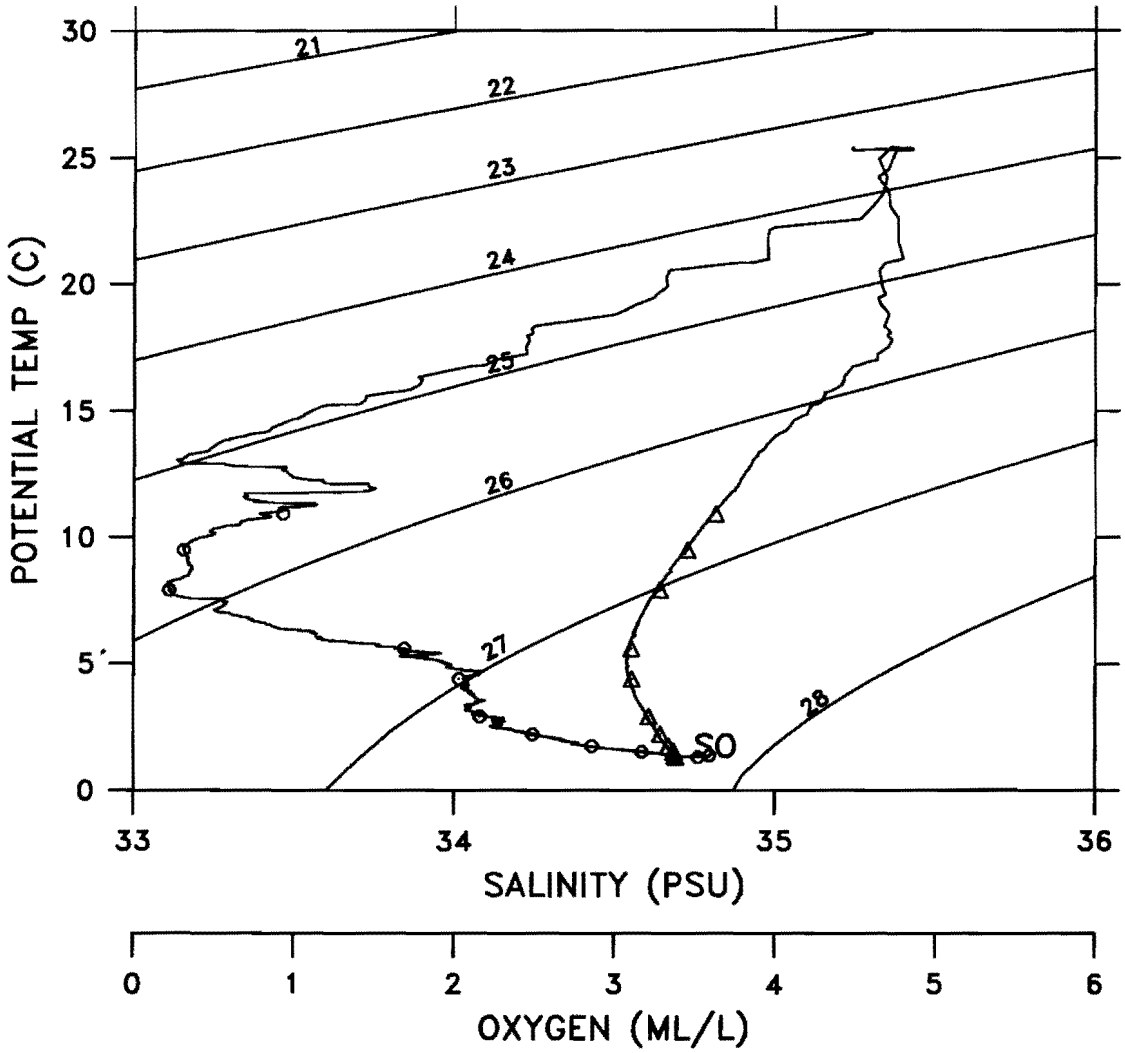


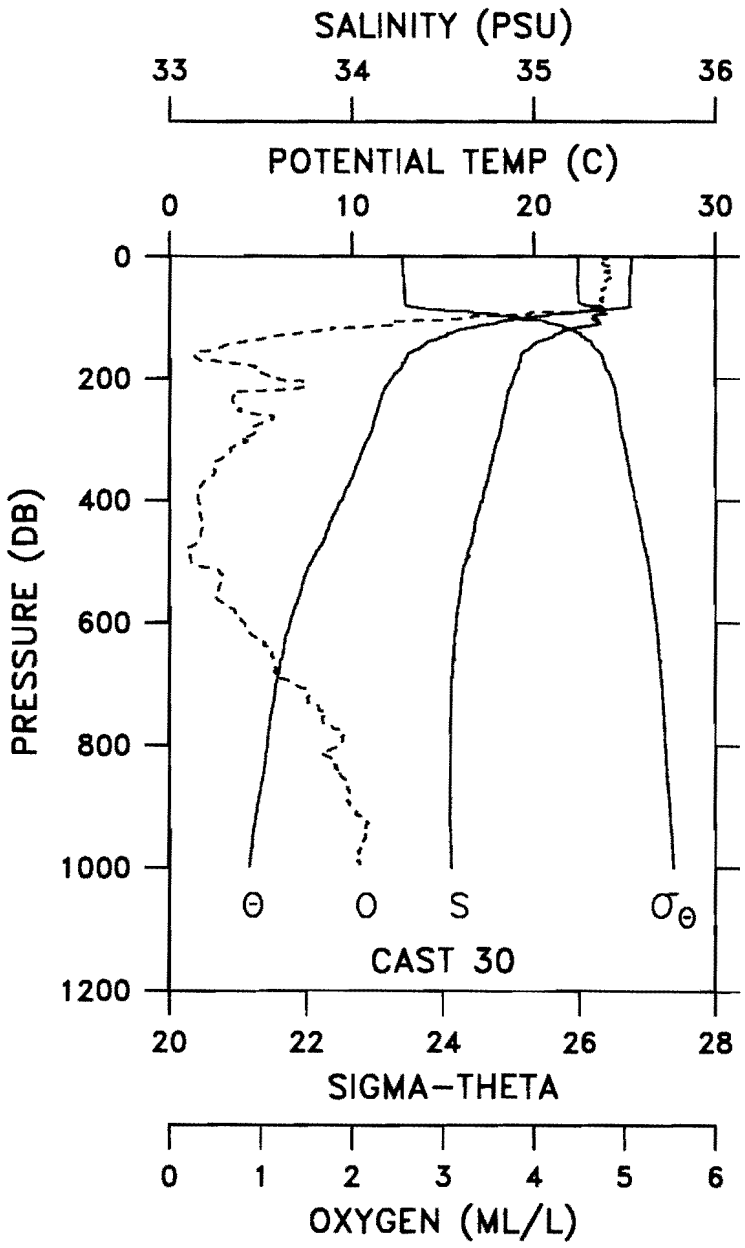
CAST EP2-87-OC -029 DATE 24 OCT 87 TIME 1219 GMT
LAT 05 00.1S LONG 109 54.3W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 100 T SPD 18 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 24.5 WET 22.5 DEPTH 3409 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.296	35.243	4.94	23.436	0.000
10	25.299	35.244	4.97	23.436	0.044
20	25.294	35.245	4.89	23.438	0.089
30	25.301	35.246	4.94	23.437	0.133
40	25.301	35.245	4.90	23.436	0.178
50	25.312	35.255	4.83	23.440	0.222
60	25.341	35.299	4.81	23.465	0.267
70	24.386	35.343	4.70	23.788	0.310
80	21.596	35.391	3.84	24.629	0.347
90	18.811	35.382	2.71	25.362	0.376
100	17.625	35.328	2.23	25.616	0.401
110	16.813	35.272	1.84	25.768	0.425
120	15.829	35.181	1.51	25.927	0.446
130	14.769	35.073	0.98	26.079	0.466
140	14.281	35.024	0.71	26.147	0.486
150	13.400	34.981	0.37	26.298	0.504
160	13.031	34.931	0.27	26.334	0.522
170	12.826	34.921	0.78	26.367	0.539
180	12.415	34.899	0.98	26.431	0.555
190	12.220	34.891	1.29	26.463	0.572
200	12.061	34.883	1.04	26.487	0.587
204	11.940	34.877	0.89	26.505	0.594

CAST EP2-87-OC -030 DATE 25 OCT 87 TIME 0641 GMT

LAT 05 02.5S LONG 109 47.7W



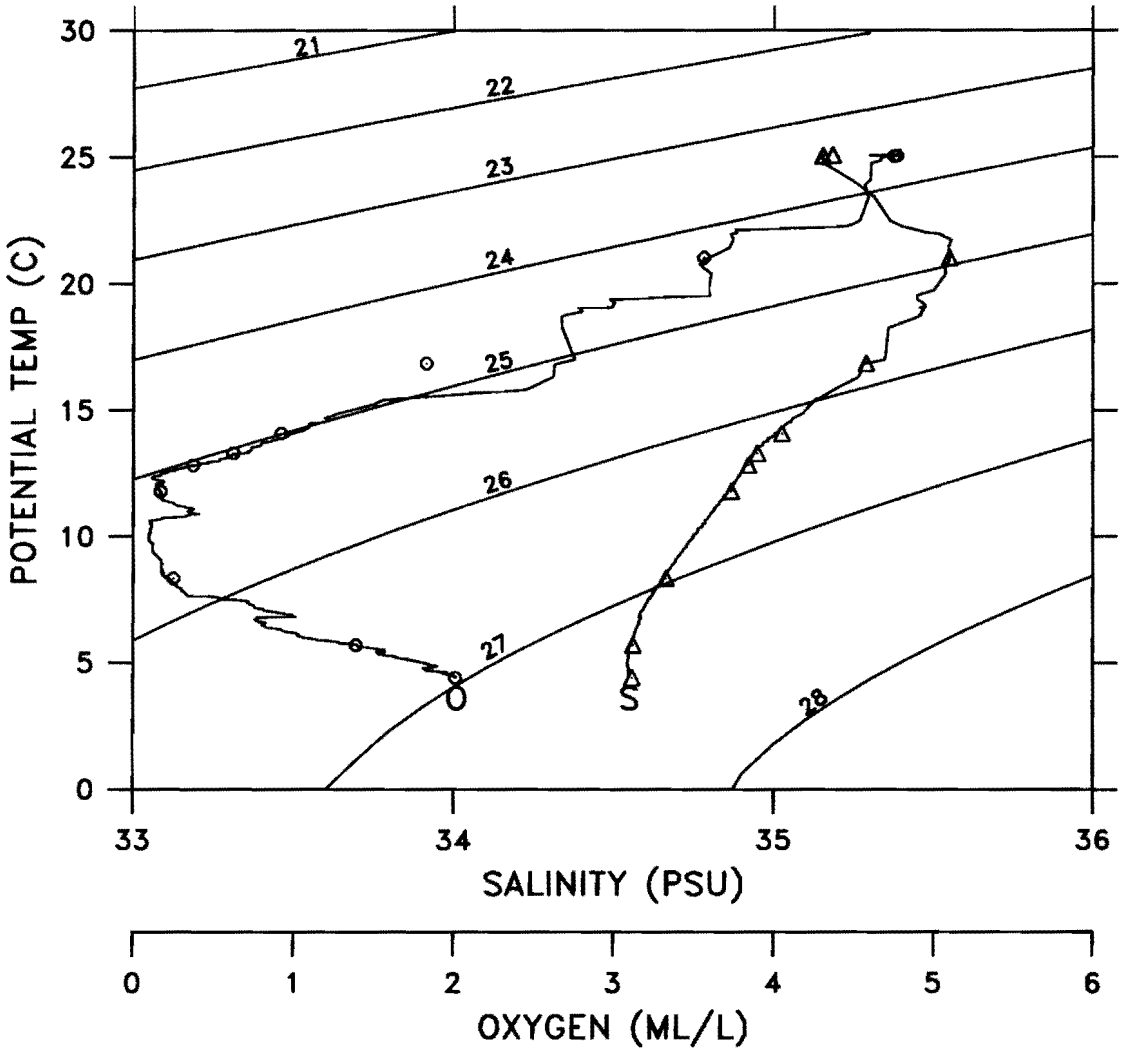


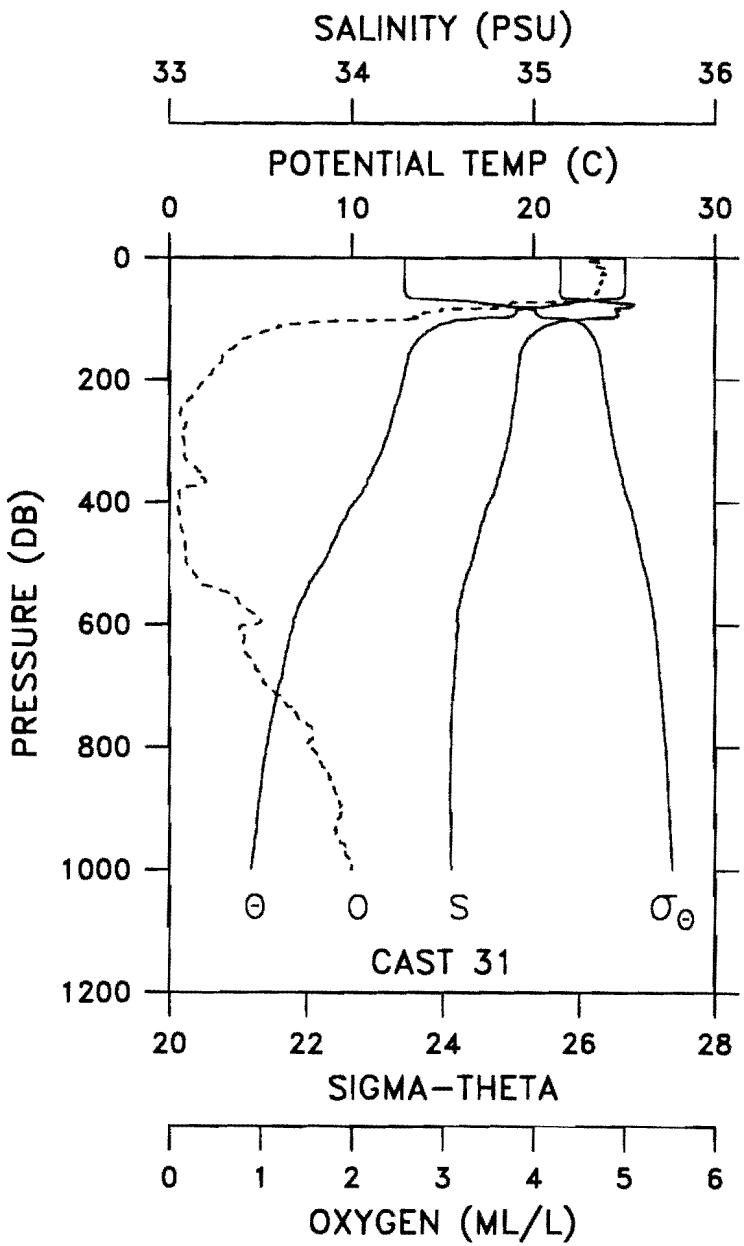
CAST EP2-87-OC -030 DATE 25 OCT 87 TIME 0641 GMT
LAT 05 02.5S LONG 109 47.7W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 100 T SPD 16 KT VISIBILITY 8
CLOUD 4 AMOUNT 6 DRY 25.0 WET 23.0 DEPTH 3496 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.382	35.239	4.77	23.407	0.000
10	25.380	35.243	4.76	23.410	0.045
20	25.373	35.242	4.80	23.412	0.089
30	25.354	35.241	4.84	23.417	0.134
40	25.299	35.239	4.78	23.433	0.179
50	25.294	35.241	4.78	23.435	0.223
60	25.295	35.244	4.76	23.437	0.268
70	25.288	35.246	4.73	23.441	0.313
80	25.315	35.294	4.72	23.469	0.357
90	22.572	35.383	4.53	24.348	0.399
100	19.601	35.343	3.26	25.130	0.431
110	17.785	35.365	2.47	25.606	0.457
120	15.872	35.188	1.74	25.922	0.479
130	15.156	35.110	1.16	26.023	0.500
140	14.146	35.020	0.81	26.173	0.519
150	13.725	34.980	0.53	26.230	0.538
160	13.073	34.932	0.27	26.326	0.556
170	12.932	34.926	0.34	26.350	0.573
180	12.751	34.918	0.95	26.380	0.590
190	12.417	34.901	0.98	26.432	0.607
200	12.183	34.890	1.18	26.469	0.623
250	11.427	34.840	0.78	26.573	0.700
300	10.867	34.803	0.80	26.647	0.775
350	10.174	34.758	0.48	26.734	0.846
400	9.430	34.721	0.32	26.830	0.913
450	8.631	34.677	0.35	26.924	0.976
500	7.783	34.628	0.23	27.014	1.034
550	7.188	34.596	0.52	27.075	1.089
600	6.606	34.574	0.82	27.137	1.141
650	6.226	34.562	1.13	27.177	1.191
700	5.827	34.548	1.37	27.217	1.239
750	5.551	34.545	1.71	27.249	1.285
800	5.365	34.540	1.86	27.268	1.331
900	4.810	34.540	1.99	27.333	1.418
1000	4.374	34.547	2.08	27.386	1.499
1500	2.962	34.598	2.16	27.568	1.848
2000	2.215	34.636	2.48	27.663	2.135
2500	1.743	34.661	2.84	27.720	2.388
3000	1.525	34.674	3.17	27.747	2.623
3481	1.309	34.684	3.49	27.770	2.842

CAST EP2-87-OC -031 DATE 25 OCT 87 TIME 1418 GMT

LAT 04 00.5S LONG 110 00.2W



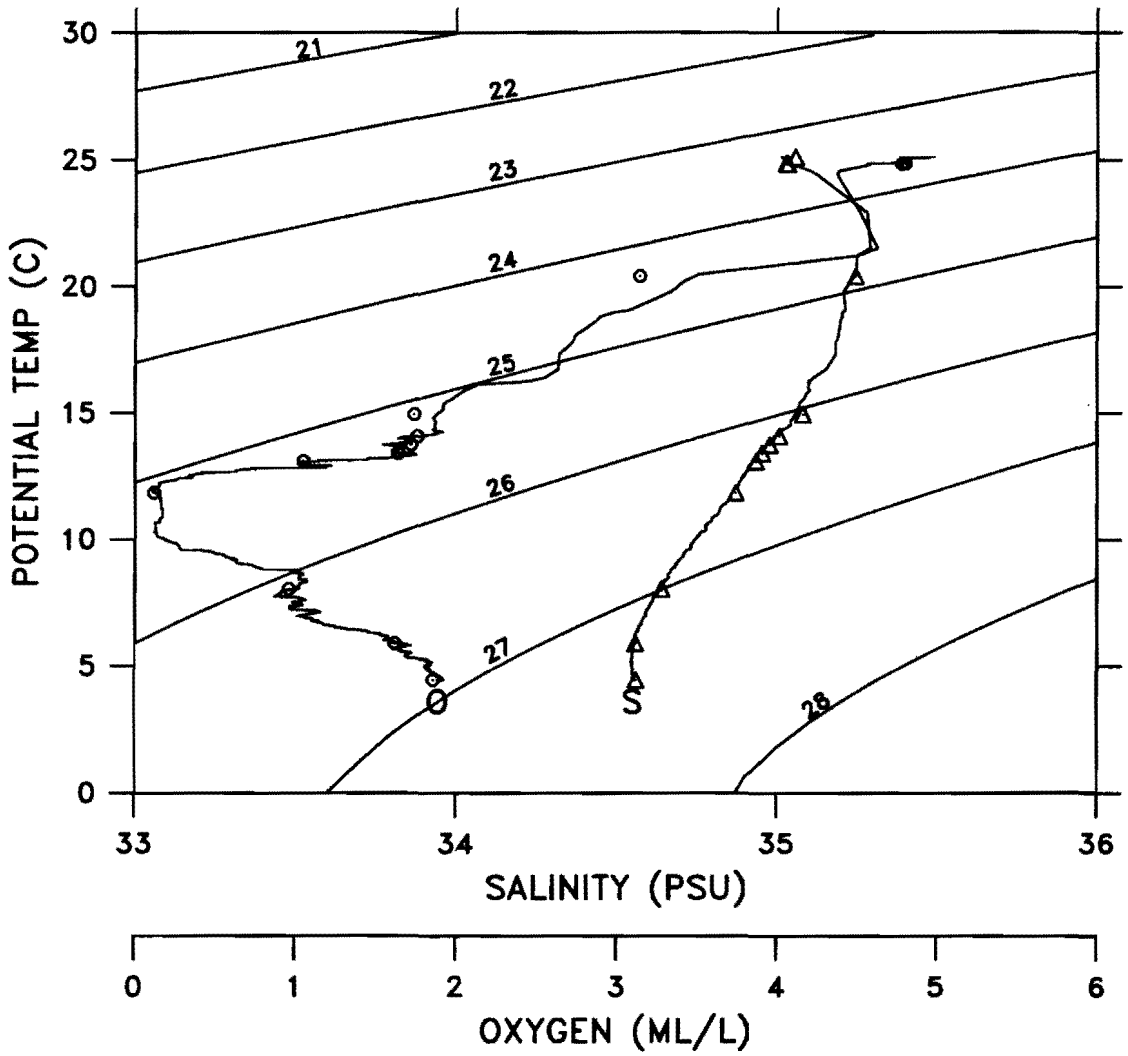


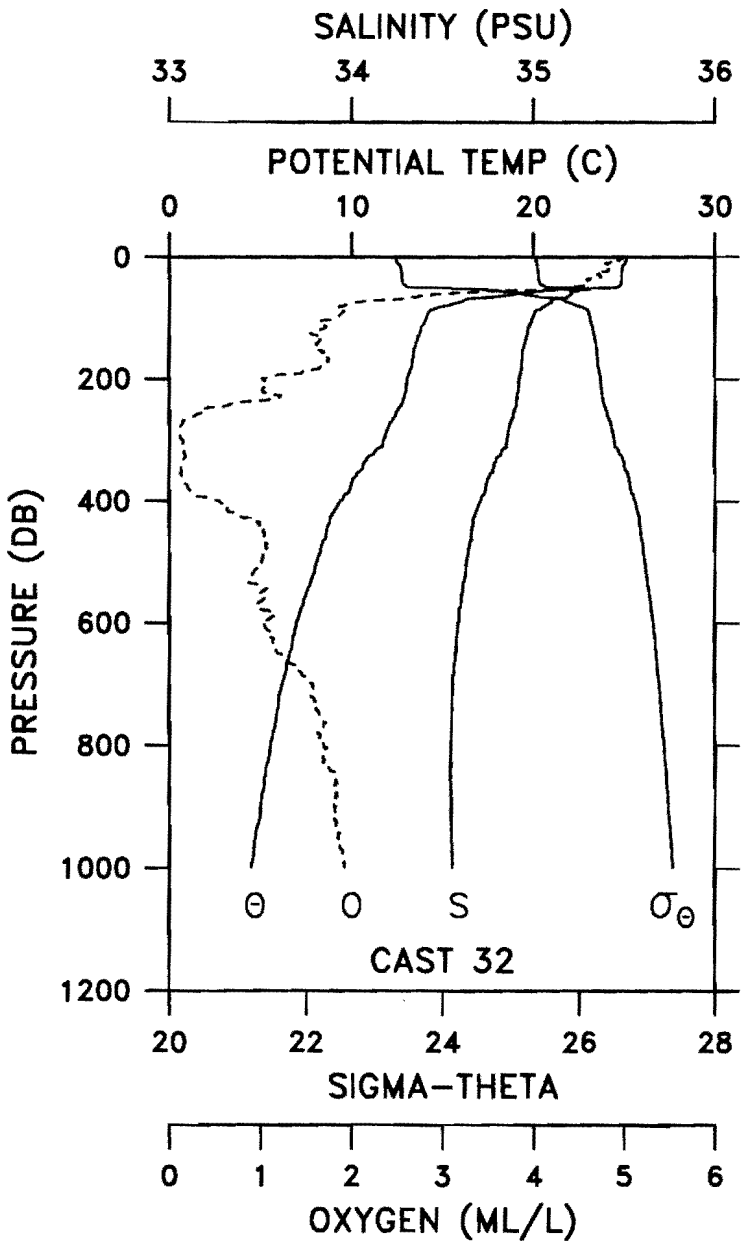
CAST EP2-87-OC -031 DATE 25 OCT 87 TIME 1418 GMT
LAT 04 00.5S LONG 110 00.2W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 110 T SPD 14 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 24.5 WET 22.6 DEPTH 3652 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.046	35.149	4.69	23.441	0.000
10	25.049	35.149	4.73	23.441	0.044
20	25.050	35.149	4.74	23.441	0.089
30	25.051	35.149	4.76	23.440	0.133
40	25.051	35.149	4.75	23.441	0.178
50	25.018	35.148	4.72	23.449	0.222
60	24.968	35.148	4.67	23.465	0.267
70	22.946	35.338	4.56	24.207	0.309
80	20.765	35.534	3.53	24.966	0.342
90	19.043	35.459	2.79	25.362	0.370
100	16.806	35.277	2.63	25.774	0.395
110	14.800	35.080	1.25	26.078	0.416
120	14.161	35.014	1.05	26.165	0.435
130	13.781	34.981	0.86	26.219	0.453
140	13.520	34.954	0.74	26.252	0.472
150	13.287	34.936	0.68	26.286	0.489
160	13.129	34.926	0.59	26.310	0.507
170	13.081	34.923	0.57	26.318	0.524
180	12.965	34.917	0.51	26.336	0.542
190	12.901	34.914	0.47	26.347	0.559
200	12.838	34.912	0.40	26.358	0.576
250	12.349	34.888	0.13	26.435	0.661
300	11.857	34.861	0.16	26.509	0.742
350	11.146	34.818	0.33	26.608	0.820
400	10.134	34.759	0.10	26.741	0.892
450	9.235	34.703	0.15	26.848	0.959
500	8.445	34.659	0.19	26.938	1.021
550	7.460	34.607	0.69	27.045	1.079
600	6.816	34.586	0.93	27.118	1.132
650	6.381	34.572	0.86	27.165	1.183
700	5.999	34.562	1.06	27.207	1.231
750	5.652	34.551	1.40	27.241	1.278
800	5.325	34.548	1.54	27.279	1.324
900	4.871	34.544	1.90	27.329	1.410
1000	4.479	34.549	2.01	27.376	1.492
1008	4.462	34.549	2.02	27.378	1.499

CAST EP2-87-OC -032 DATE 25 OCT 87 TIME 2054 GMT

LAT 02 59.7S LONG 110 00.2W



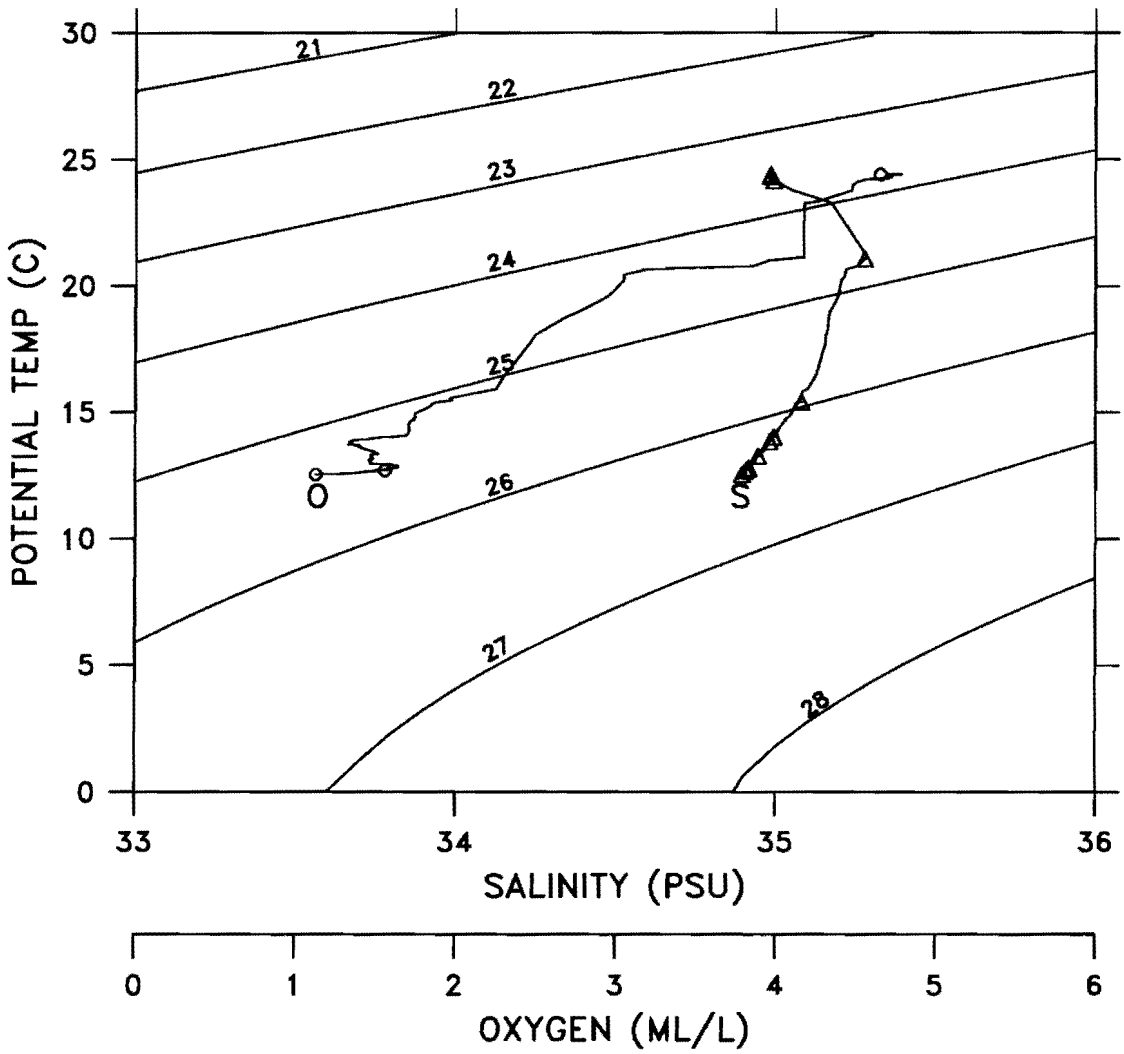


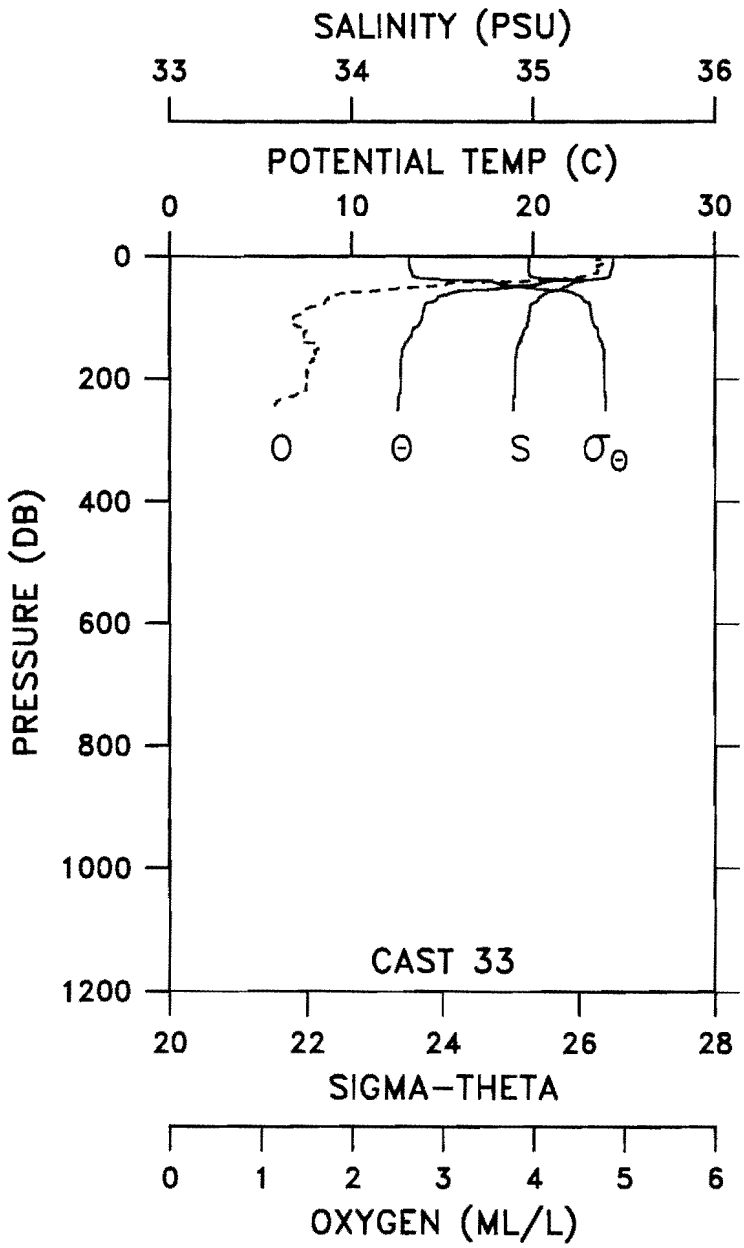
CAST EP2-87-OC -032 DATE 25 OCT 87 TIME 2054 GMT
LAT 02 59.7S LONG 110 00.2W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 125 T SPD 12 KT VISIBILITY 8
CLOUD 1 AMOUNT 3 DRY 28.1 WET 24.5 DEPTH 3767 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.121	35.013	4.97	23.316	0.000
10	25.064	35.019	4.79	23.338	0.045
20	24.880	35.024	4.83	23.398	0.090
30	24.864	35.025	4.73	23.404	0.135
40	24.849	35.033	4.56	23.414	0.180
50	24.424	35.124	4.37	23.611	0.225
60	18.979	35.203	2.98	25.183	0.257
70	16.208	35.098	2.38	25.776	0.282
80	15.165	35.068	1.92	25.989	0.303
90	14.250	35.007	1.91	26.140	0.322
100	14.098	34.995	1.81	26.163	0.341
110	13.979	34.979	1.68	26.176	0.360
120	13.796	34.970	1.66	26.208	0.378
130	13.667	34.962	1.65	26.228	0.397
140	13.554	34.956	1.64	26.246	0.415
150	13.449	34.944	1.60	26.259	0.433
160	13.405	34.940	1.71	26.265	0.451
170	13.349	34.937	1.75	26.274	0.469
180	13.305	34.935	1.66	26.282	0.486
190	13.191	34.931	1.46	26.301	0.504
200	13.075	34.923	1.03	26.318	0.522
250	12.566	34.898	0.37	26.400	0.608
300	11.774	34.856	0.14	26.521	0.690
350	10.511	34.775	0.13	26.688	0.765
400	9.394	34.708	0.55	26.826	0.833
450	8.633	34.661	1.03	26.911	0.896
500	8.075	34.633	1.01	26.974	0.955
550	7.534	34.609	1.00	27.035	1.012
600	6.971	34.586	1.02	27.097	1.067
650	6.603	34.571	1.20	27.135	1.119
700	6.175	34.559	1.58	27.182	1.169
750	5.886	34.550	1.64	27.211	1.217
800	5.547	34.547	1.69	27.251	1.264
900	4.997	34.547	1.81	27.317	1.353
1000	4.482	34.554	1.92	27.380	1.435
1011	4.450	34.554	1.89	27.384	1.444

CAST EP2-87-OC -033 DATE 26 OCT 87 TIME 0442 GMT

LAT 02 01.0S LONG 110 00.4W



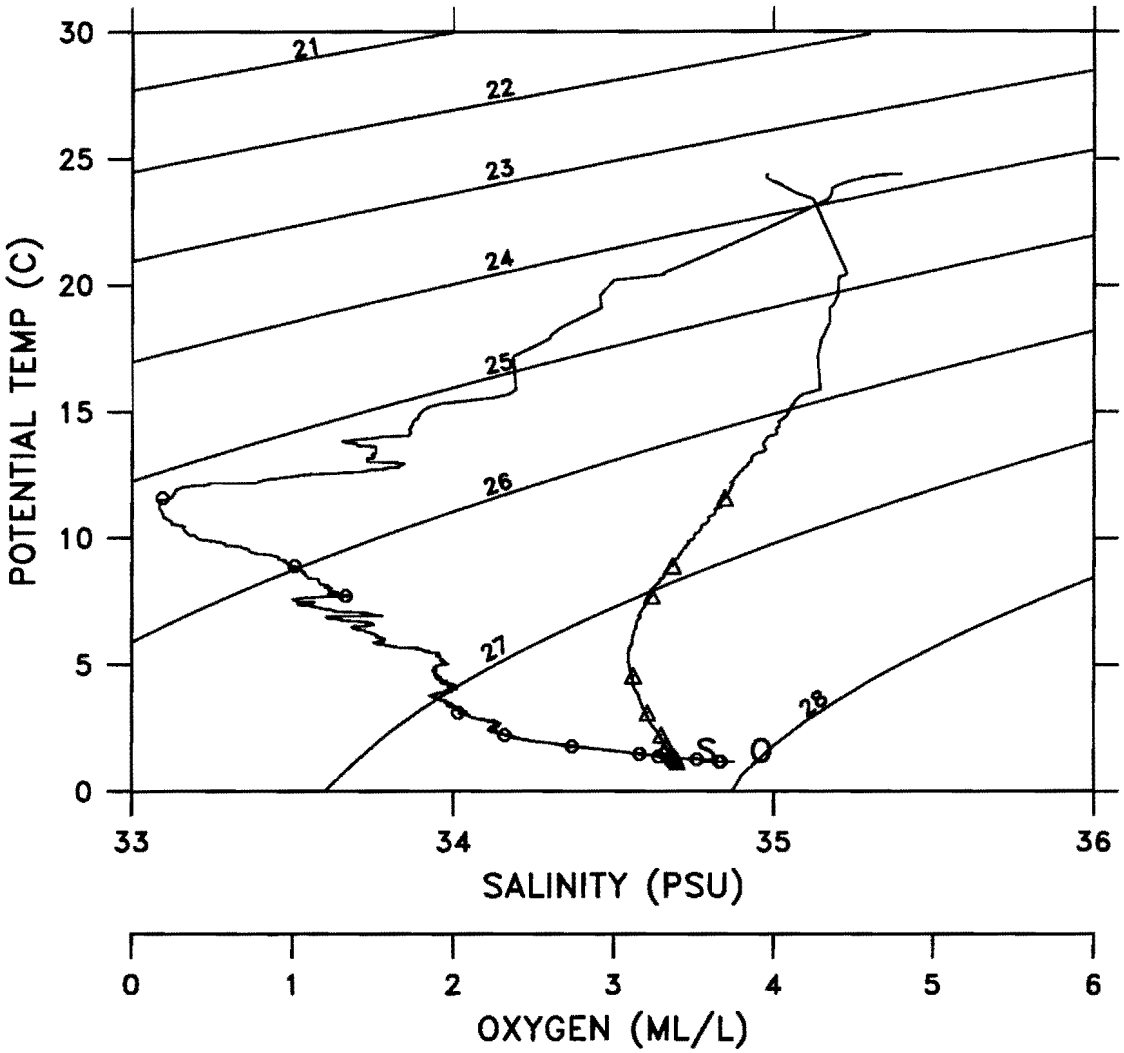


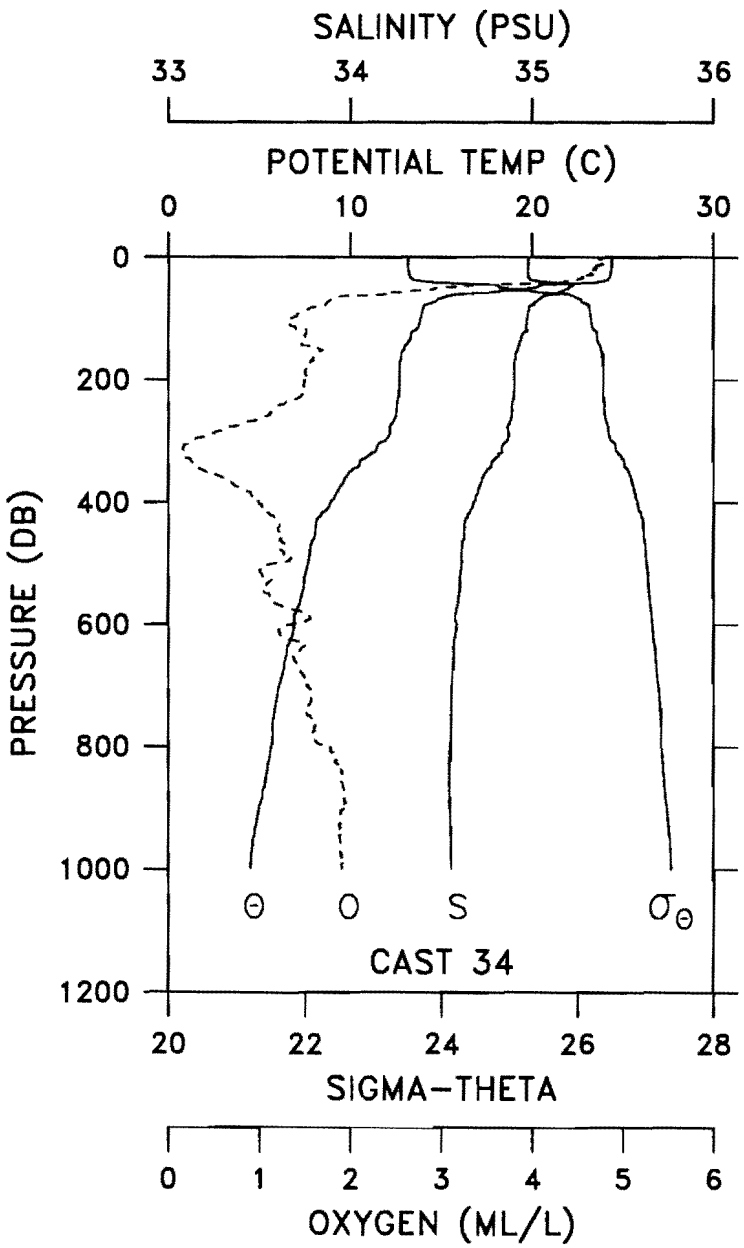
CAST EP2-87-OC -033 DATE 26 OCT 87 TIME 0442 GMT
LAT 02 01.0S LONG 110 00.4W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 100 T SPD 14 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 24.0 WET 23.2 DEPTH 3955 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.412	34.979	4.70	23.505	0.000
10	24.405	34.978	4.77	23.506	0.044
20	24.341	34.976	4.68	23.524	0.087
30	24.241	34.980	4.65	23.556	0.131
40	21.025	35.272	3.96	24.696	0.172
50	18.947	35.167	2.76	25.164	0.202
60	15.462	35.076	1.98	25.928	0.227
70	14.687	35.030	1.74	26.064	0.247
80	14.034	34.986	1.63	26.170	0.266
90	13.949	34.983	1.47	26.186	0.284
100	13.866	34.974	1.35	26.196	0.303
110	13.724	34.967	1.33	26.220	0.321
120	13.358	34.952	1.52	26.284	0.339
130	13.279	34.938	1.47	26.289	0.356
140	12.995	34.927	1.47	26.338	0.374
150	12.843	34.913	1.62	26.358	0.391
160	12.762	34.906	1.60	26.369	0.408
170	12.720	34.904	1.56	26.375	0.425
180	12.700	34.902	1.51	26.378	0.442
190	12.697	34.902	1.51	26.378	0.459
200	12.695	34.902	1.52	26.379	0.476
250	12.541	34.890	1.15	26.399	0.560
252	12.537	34.889	1.14	26.399	0.563

CAST EP2-87-OC -034 DATE 26 OCT 87 TIME 0723 GMT

LAT 02 04.3S LONG 110 02.1W



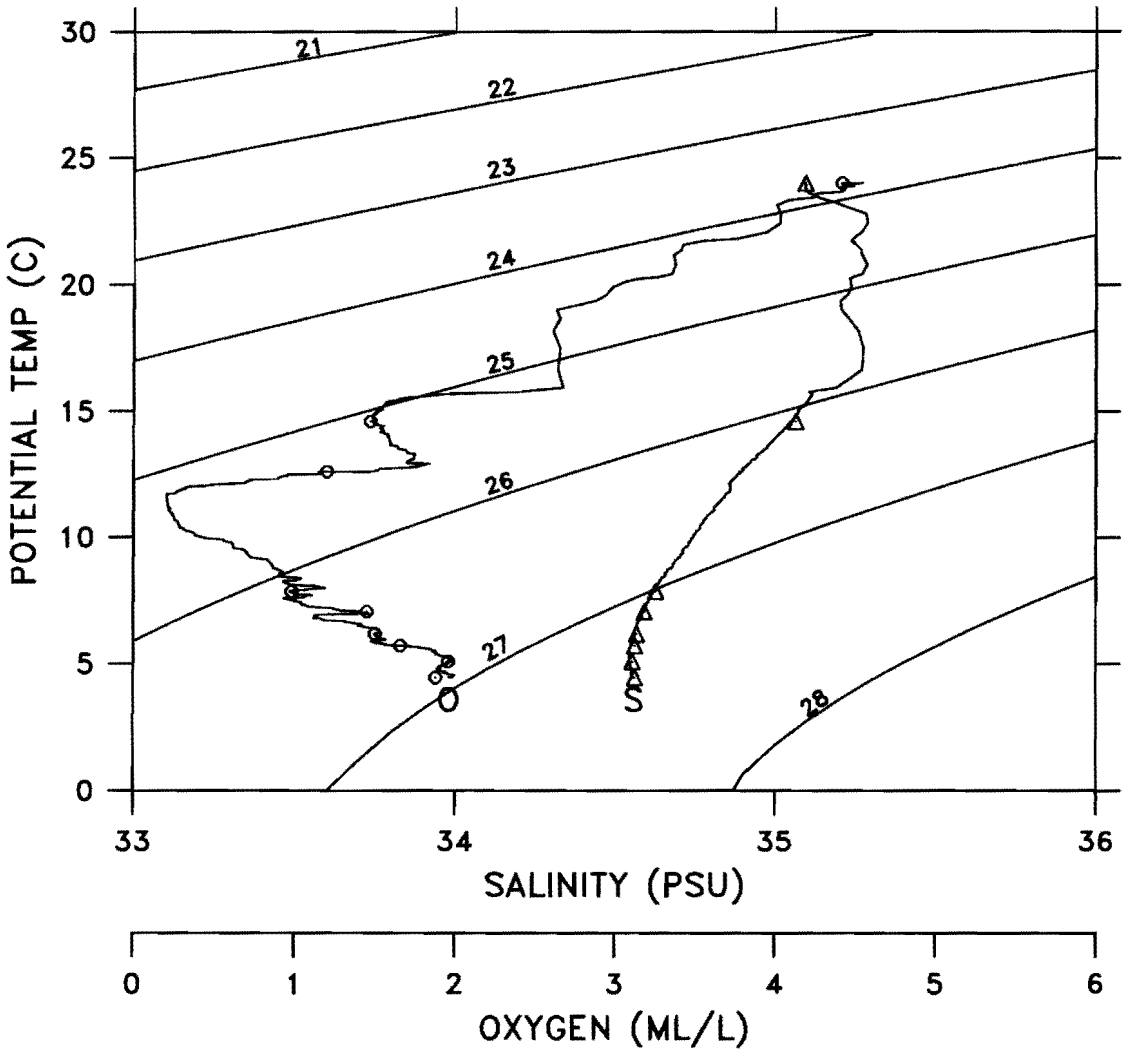


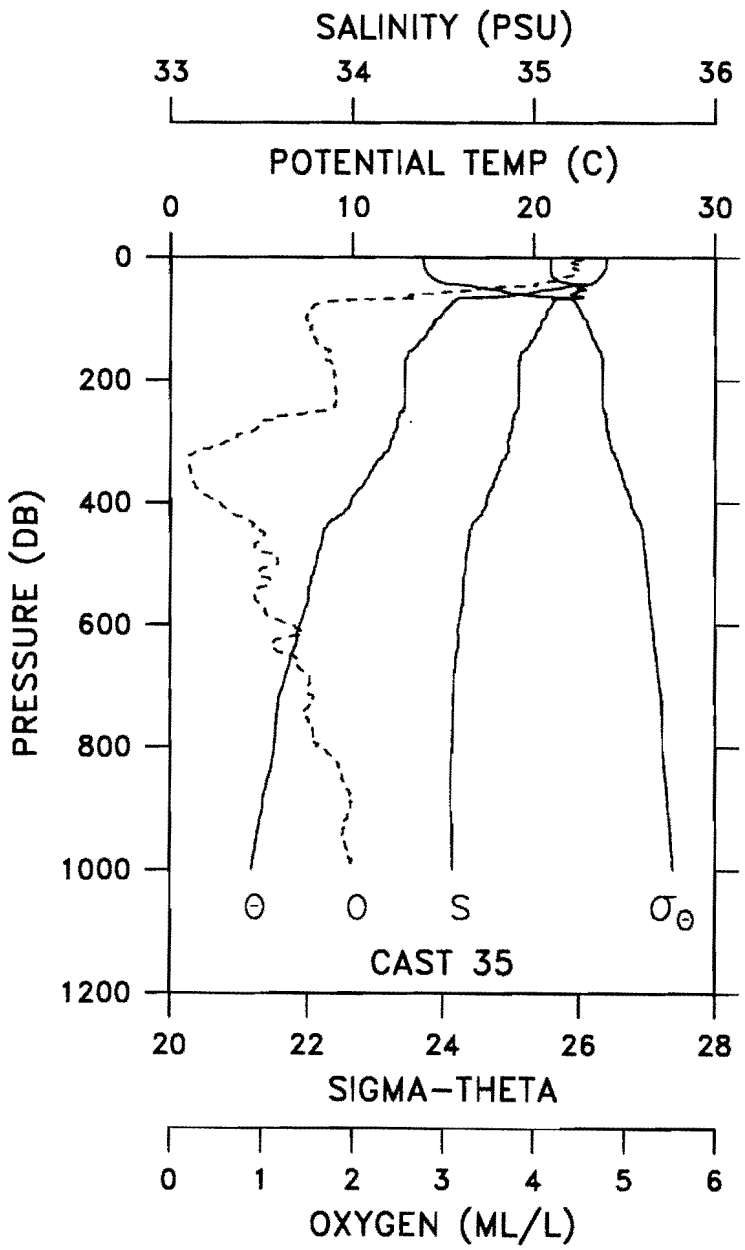
CAST EP2-87-OC -034 DATE 26 OCT 87 TIME 0723 GMT
LAT 02 04.3S LONG 110 02.1W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 110 T SPD 13 KT VISIBILITY 8
CLOUD 1 AMOUNT 3 DRY 24.0 WET 22.7 DEPTH 3928 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.386	34.979	4.80	23.513	0.000
10	24.389	34.979	4.74	23.511	0.044
20	24.365	34.978	4.70	23.518	0.087
30	24.298	34.977	4.61	23.537	0.131
40	23.637	35.074	4.36	23.806	0.174
50	19.905	35.202	2.96	24.942	0.208
60	15.876	35.145	2.39	25.888	0.234
70	14.742	35.031	1.78	26.053	0.255
80	14.025	34.984	1.64	26.170	0.274
90	13.941	34.978	1.48	26.183	0.292
100	13.845	34.972	1.36	26.198	0.311
110	13.769	34.968	1.34	26.211	0.329
120	13.489	34.975	1.52	26.275	0.347
130	13.318	34.941	1.50	26.284	0.365
140	13.155	34.929	1.48	26.307	0.383
150	12.957	34.920	1.65	26.340	0.400
160	12.796	34.908	1.60	26.363	0.417
170	12.735	34.905	1.56	26.372	0.434
180	12.699	34.901	1.52	26.377	0.451
190	12.696	34.901	1.50	26.377	0.468
200	12.690	34.901	1.49	26.378	0.485
250	12.542	34.889	1.16	26.398	0.569
300	11.864	34.861	0.27	26.508	0.652
350	9.947	34.746	0.42	26.763	0.726
400	8.898	34.677	0.99	26.882	0.791
450	8.054	34.626	1.22	26.972	0.850
500	7.680	34.609	1.19	27.015	0.907
550	7.331	34.597	1.11	27.055	0.962
600	6.909	34.583	1.35	27.103	1.016
650	6.497	34.569	1.38	27.148	1.067
700	6.095	34.558	1.52	27.192	1.117
750	5.797	34.554	1.56	27.226	1.164
800	5.656	34.547	1.72	27.238	1.211
900	4.987	34.547	1.94	27.318	1.301
1000	4.505	34.555	1.90	27.379	1.383
1500	3.032	34.600	2.07	27.563	1.738
2000	2.198	34.642	2.33	27.669	2.022
2500	1.754	34.660	2.77	27.719	2.273
3000	1.465	34.673	3.19	27.751	2.507
3500	1.263	34.687	3.55	27.776	2.732
3941	1.155	34.693	3.72	27.788	2.924

CAST EP2-87-OC -035 DATE 27 OCT 87 TIME 0613 GMT

LAT 01 29.9S LONG 110 00.2W



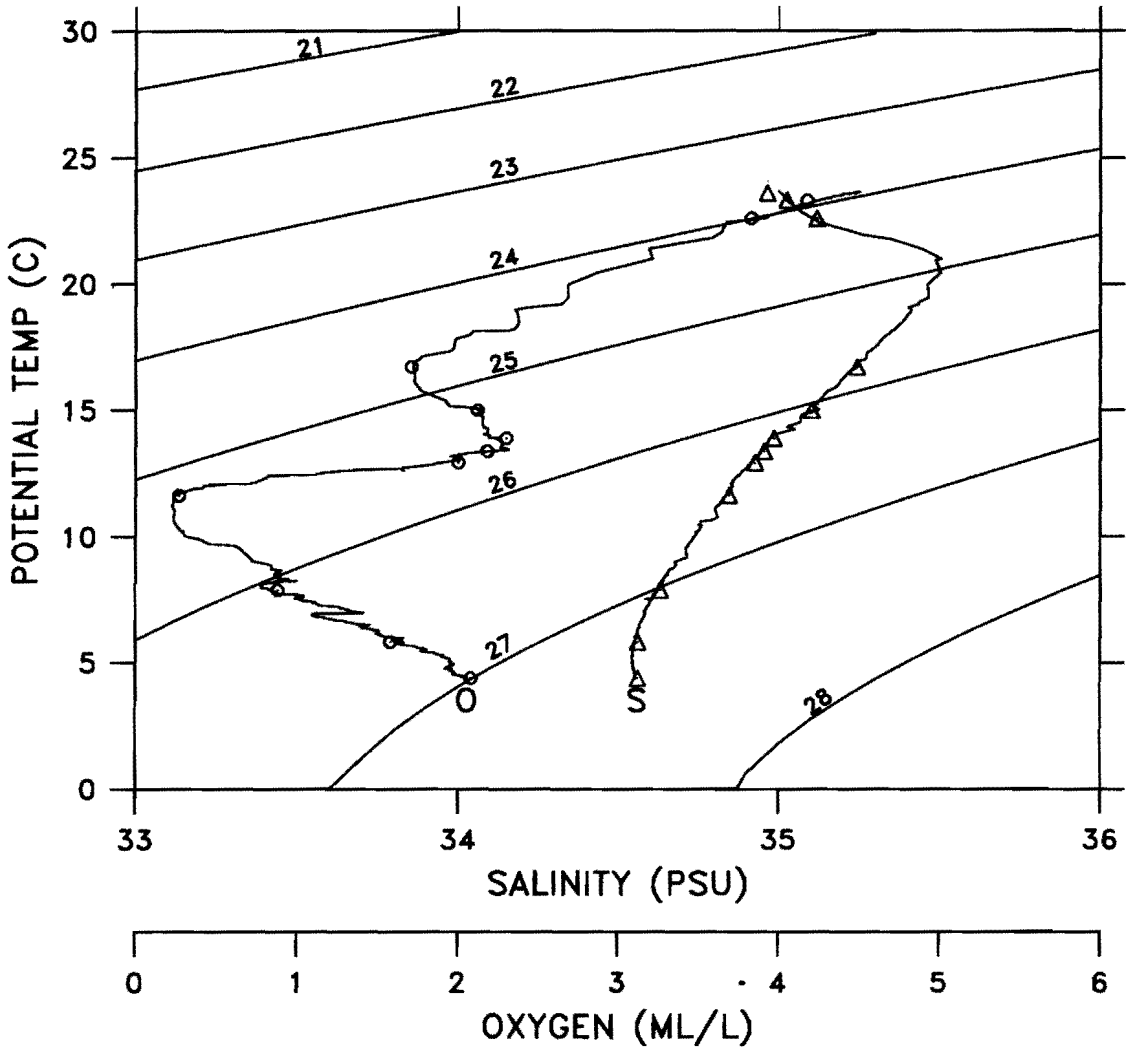


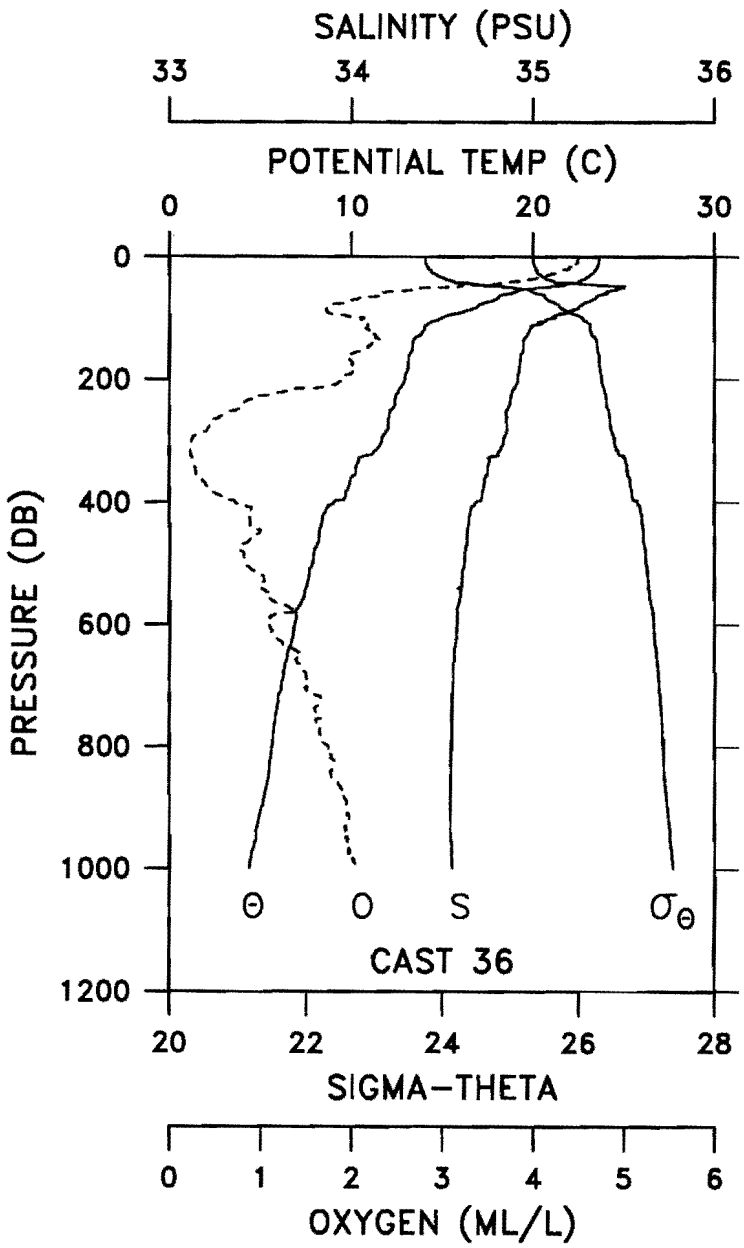
CAST EP2-87-OC -035 DATE 27 OCT 87 TIME 0613 GMT
LAT 01 29.9S LONG 110 00.2W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 115 T SPD 12 KT VISIBILITY 8
CLOUD 1 AMOUNT 2 DRY 24.0 WET 22.7 DEPTH 3876 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.026	35.094	4.54	23.707	0.000
10	23.997	35.093	4.45	23.715	0.042
20	23.892	35.093	4.49	23.746	0.084
30	23.669	35.100	4.40	23.816	0.125
40	23.332	35.164	4.08	23.964	0.165
50	21.356	35.269	3.41	24.602	0.202
60	19.004	35.207	2.64	25.179	0.232
70	15.621	35.115	1.87	25.923	0.256
80	15.307	35.096	1.56	25.979	0.277
90	15.007	35.073	1.51	26.027	0.297
100	14.655	35.057	1.49	26.092	0.317
110	14.430	35.040	1.53	26.127	0.336
120	14.153	35.016	1.54	26.168	0.355
130	13.977	35.003	1.57	26.195	0.373
140	13.641	34.977	1.60	26.245	0.392
150	13.341	34.954	1.70	26.289	0.409
160	13.050	34.927	1.72	26.327	0.427
170	12.925	34.917	1.76	26.345	0.444
180	12.920	34.917	1.79	26.346	0.461
190	12.916	34.917	1.79	26.346	0.478
200	12.913	34.917	1.81	26.347	0.496
250	12.767	34.904	1.71	26.366	0.582
300	12.126	34.857	0.62	26.454	0.666
350	10.990	34.802	0.23	26.624	0.745
400	9.909	34.739	0.55	26.764	0.816
450	8.383	34.646	1.04	26.938	0.880
500	7.990	34.626	1.17	26.982	0.939
550	7.593	34.610	0.94	27.028	0.996
600	7.104	34.585	1.28	27.077	1.051
650	6.619	34.572	1.34	27.134	1.103
700	6.203	34.561	1.51	27.180	1.154
750	5.851	34.557	1.49	27.222	1.201
800	5.710	34.551	1.60	27.234	1.248
900	5.080	34.546	1.97	27.306	1.339
1000	4.465	34.557	1.97	27.384	1.422
1007	4.446	34.556	1.96	27.386	1.427

CAST EP2-87-OC -036 DATE 27 OCT 87 TIME 0952 GMT

LAT 00 59.9S LONG 110 00.0W



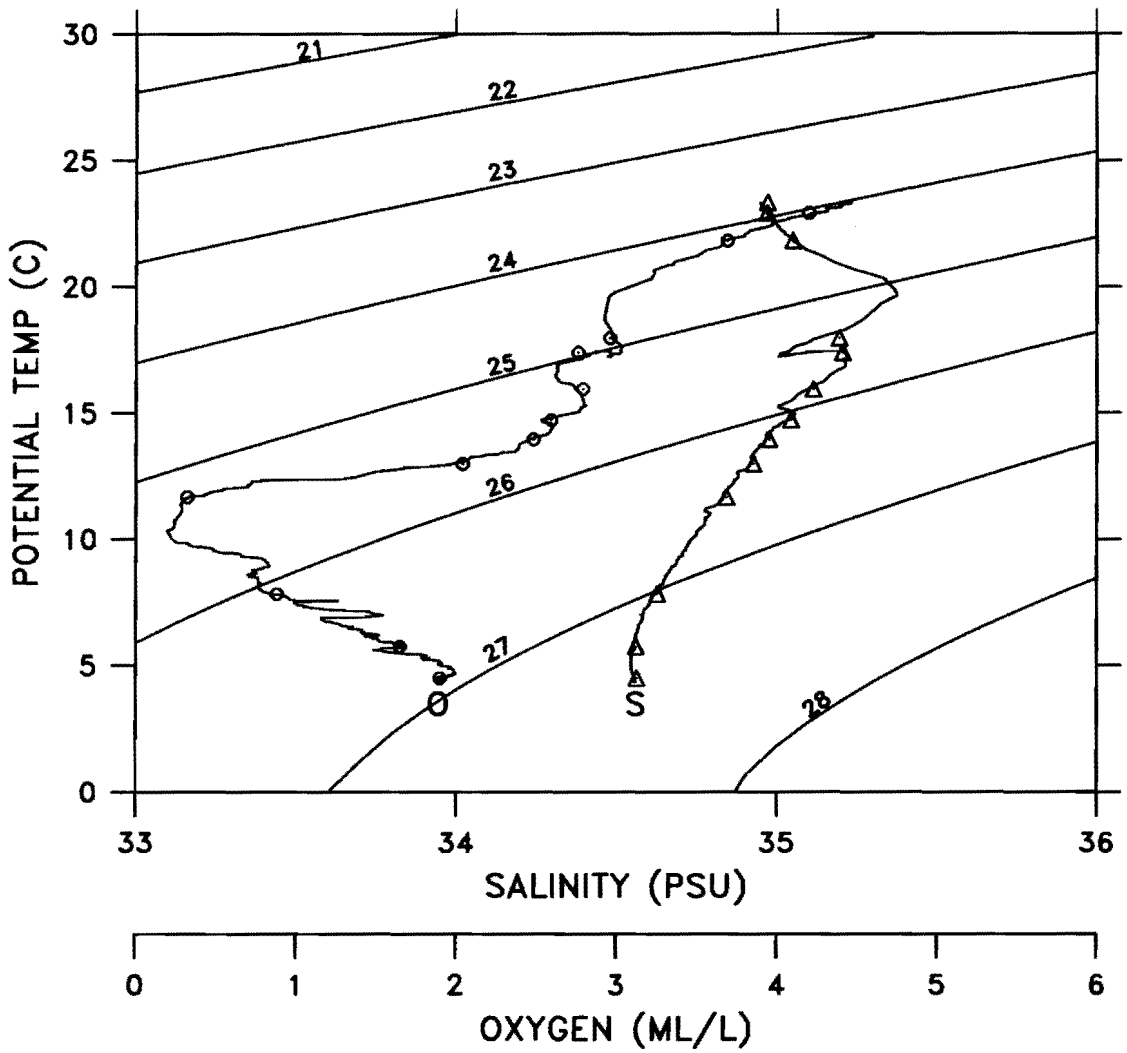


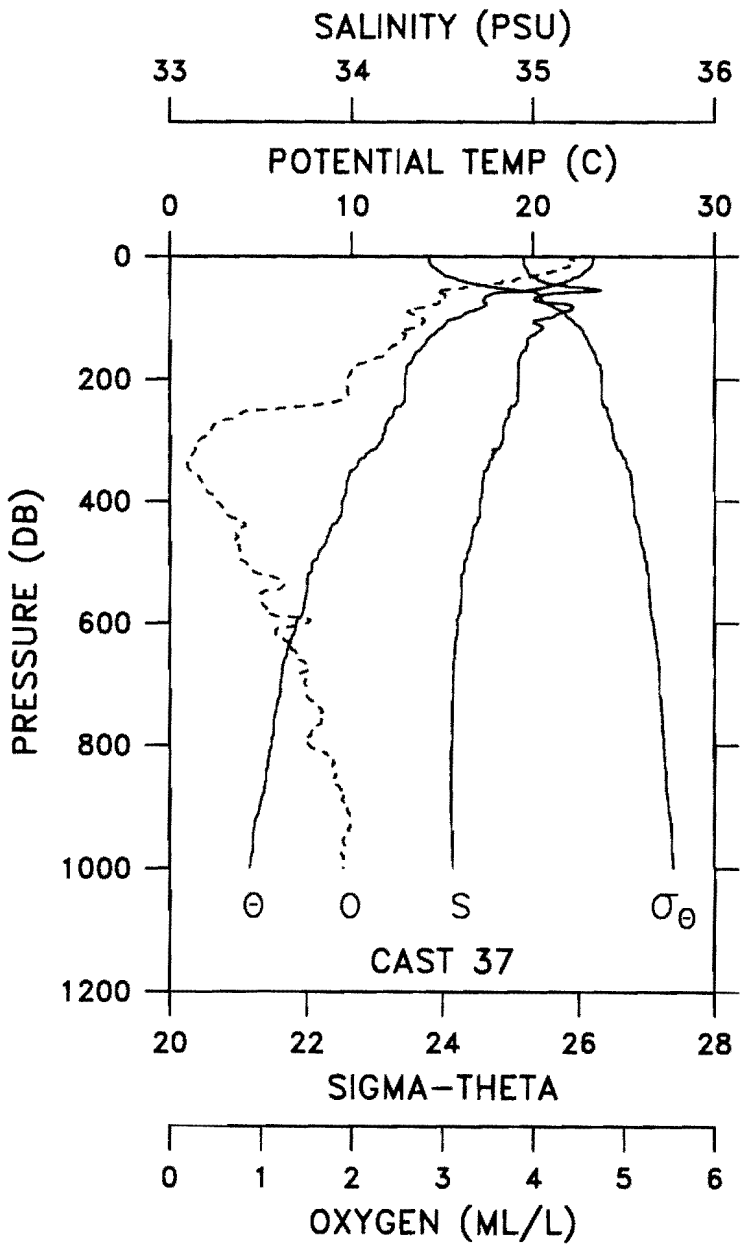
CAST EP2-87-OC -036 DATE 27 OCT 87 TIME 0952 GMT
LAT 00 59.9S LONG 110 00.0W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 130 T SPD 08 KT VISIBILITY 9
CLOUD 0 AMOUNT 2 DRY 23.5 WET 22.0 DEPTH 3961 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.651	35.002	4.50	23.748	0.000
10	23.634	35.003	4.50	23.753	0.041
20	23.514	35.014	4.40	23.796	0.083
30	23.164	35.040	4.17	23.918	0.123
40	22.519	35.121	3.80	24.165	0.162
50	20.452	35.505	2.88	25.028	0.196
60	18.791	35.404	2.37	25.384	0.223
70	17.900	35.328	2.03	25.549	0.248
80	16.983	35.257	1.75	25.716	0.272
90	16.161	35.194	1.73	25.861	0.294
100	14.921	35.106	2.14	26.072	0.315
110	14.179	35.032	2.18	26.175	0.334
120	13.976	34.980	2.19	26.178	0.353
130	13.640	34.965	2.27	26.236	0.371
140	13.381	34.945	2.25	26.274	0.389
150	13.345	34.946	2.15	26.282	0.407
160	13.167	34.932	1.96	26.307	0.424
170	13.156	34.930	1.99	26.308	0.442
180	13.098	34.926	2.03	26.316	0.460
190	12.995	34.920	2.01	26.333	0.477
200	12.933	34.917	1.91	26.343	0.494
250	12.144	34.855	0.74	26.450	0.578
300	11.655	34.839	0.25	26.530	0.659
350	10.228	34.750	0.30	26.718	0.733
400	9.029	34.687	0.72	26.868	0.800
450	8.226	34.637	0.99	26.955	0.860
500	7.870	34.623	0.84	26.997	0.918
550	7.414	34.600	1.09	27.046	0.974
600	6.880	34.584	1.11	27.108	1.027
650	6.480	34.568	1.44	27.149	1.079
700	6.141	34.560	1.50	27.187	1.128
750	5.812	34.553	1.65	27.223	1.176
800	5.621	34.551	1.74	27.246	1.223
900	5.039	34.547	1.96	27.312	1.313
1000	4.384	34.555	2.05	27.392	1.396
1010	4.367	34.556	2.05	27.394	1.404

CAST EP2-87-OC -037 DATE 27 OCT 87 TIME 1410 GMT

LAT 00 30.1S LONG 109 59.9W



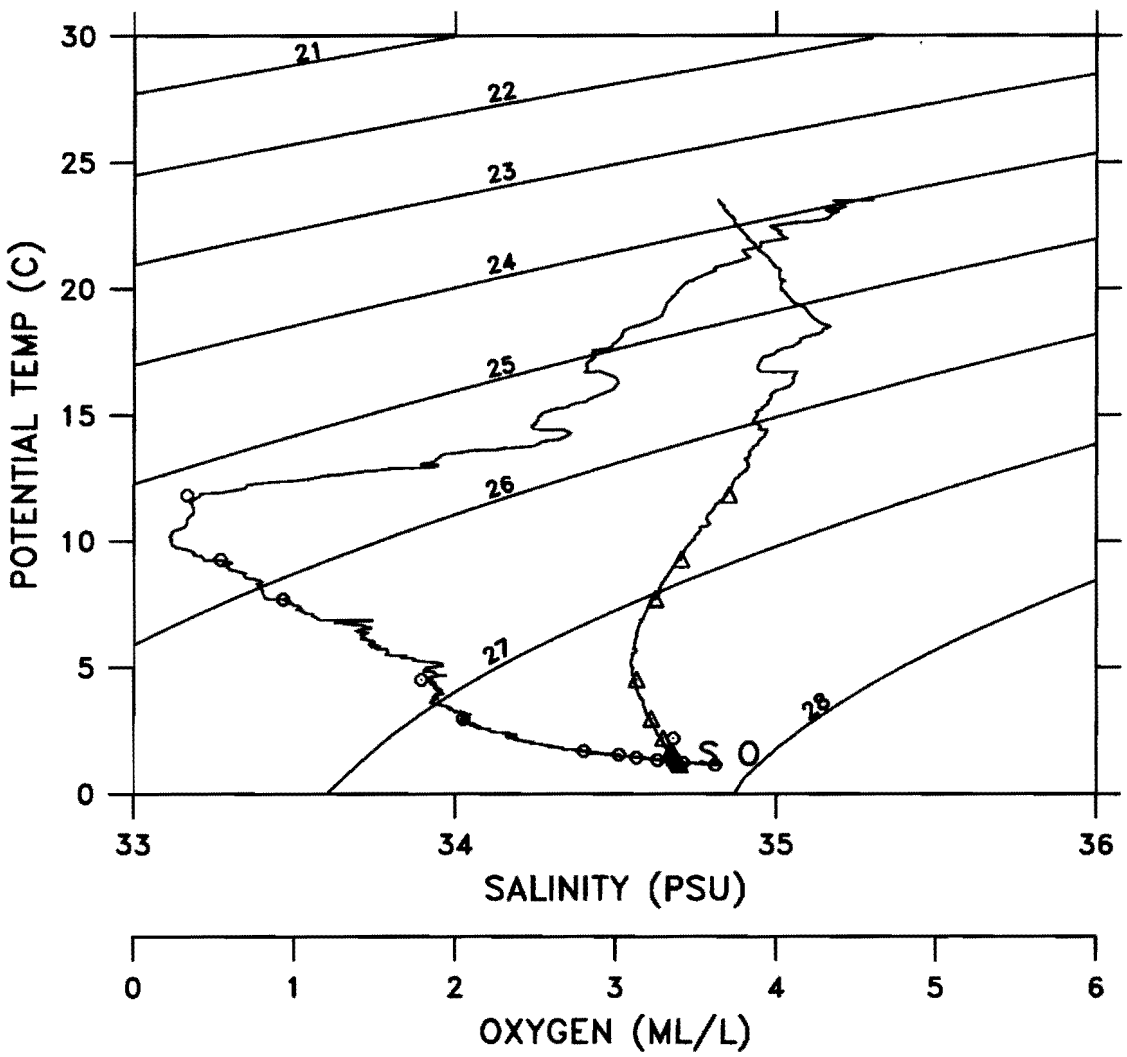


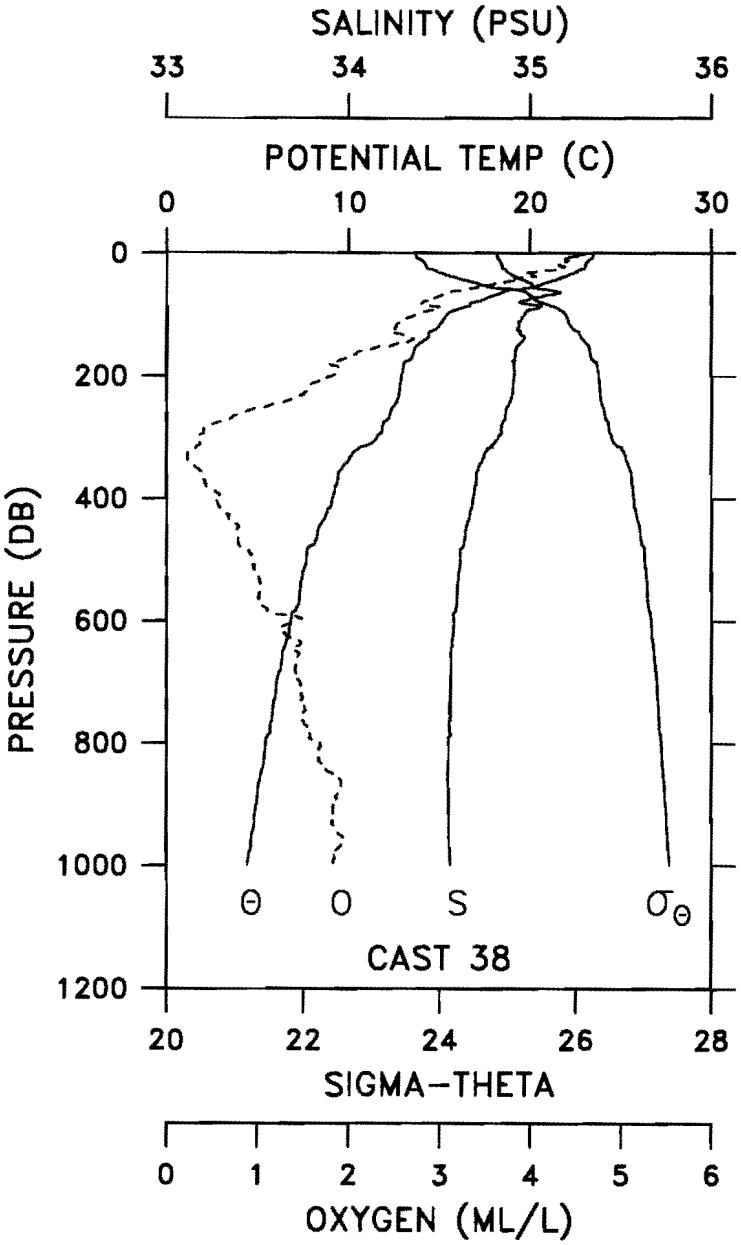
CAST EP2-87-OC -037 DATE 27 OCT 87 TIME 1410 GMT
LAT 00 30.1S LONG 109 59.9W WEATHER 8 SEA STATE 2
BAROMETER 14 WIND DIR 135 T SPD 10 KT VISIBILITY 8
CLOUD X AMOUNT 1 DRY 23.9 WET 22.7 DEPTH 3530 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.314	34.948	4.39	23.805	0.000
10	23.299	34.949	4.46	23.810	0.041
20	23.038	34.966	4.31	23.899	0.081
30	22.672	34.982	4.07	24.016	0.121
40	21.819	35.052	3.66	24.310	0.159
50	20.641	35.248	3.23	24.782	0.193
60	17.818	35.105	3.00	25.398	0.221
70	17.260	35.009	2.96	25.460	0.247
80	17.329	35.216	2.83	25.602	0.272
90	16.415	35.162	2.62	25.777	0.295
100	15.748	35.068	2.78	25.858	0.317
110	15.150	35.021	2.77	25.956	0.338
120	14.732	35.039	2.53	26.061	0.358
130	14.328	34.987	2.59	26.108	0.378
140	14.105	34.970	2.55	26.143	0.397
150	13.830	34.960	2.42	26.193	0.416
160	13.464	34.934	2.37	26.248	0.434
170	13.319	34.922	2.18	26.268	0.452
180	13.032	34.919	2.00	26.324	0.470
190	13.001	34.918	1.99	26.330	0.487
200	12.959	34.917	1.96	26.337	0.505
250	12.354	34.867	0.99	26.418	0.591
300	11.669	34.831	0.33	26.521	0.672
350	10.006	34.736	0.23	26.745	0.746
400	9.481	34.708	0.52	26.812	0.812
450	8.771	34.668	0.73	26.895	0.877
500	7.843	34.622	0.84	27.000	0.937
550	7.509	34.607	1.01	27.038	0.993
600	6.940	34.581	1.51	27.097	1.047
650	6.415	34.567	1.39	27.157	1.099
700	6.069	34.559	1.48	27.196	1.148
750	5.779	34.553	1.64	27.228	1.195
800	5.584	34.554	1.53	27.252	1.242
900	4.918	34.548	1.97	27.326	1.330
1000	4.375	34.559	1.91	27.396	1.411
1007	4.343	34.560	1.89	27.400	1.416

CAST EP2-87-OC -038 DATE 28 OCT 87 TIME 0908 GMT

LAT 00 03.6S LONG 109 51.9W



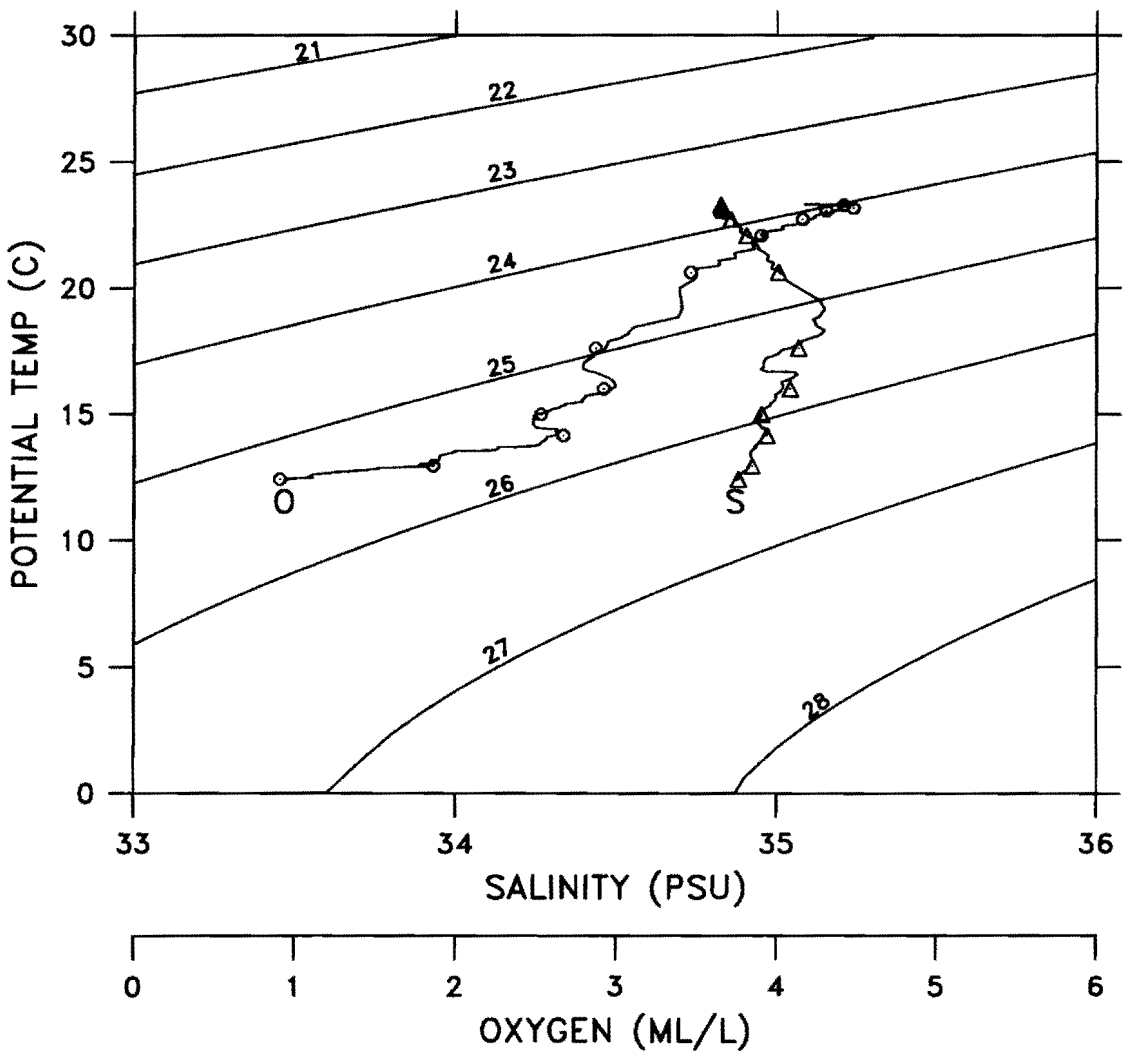


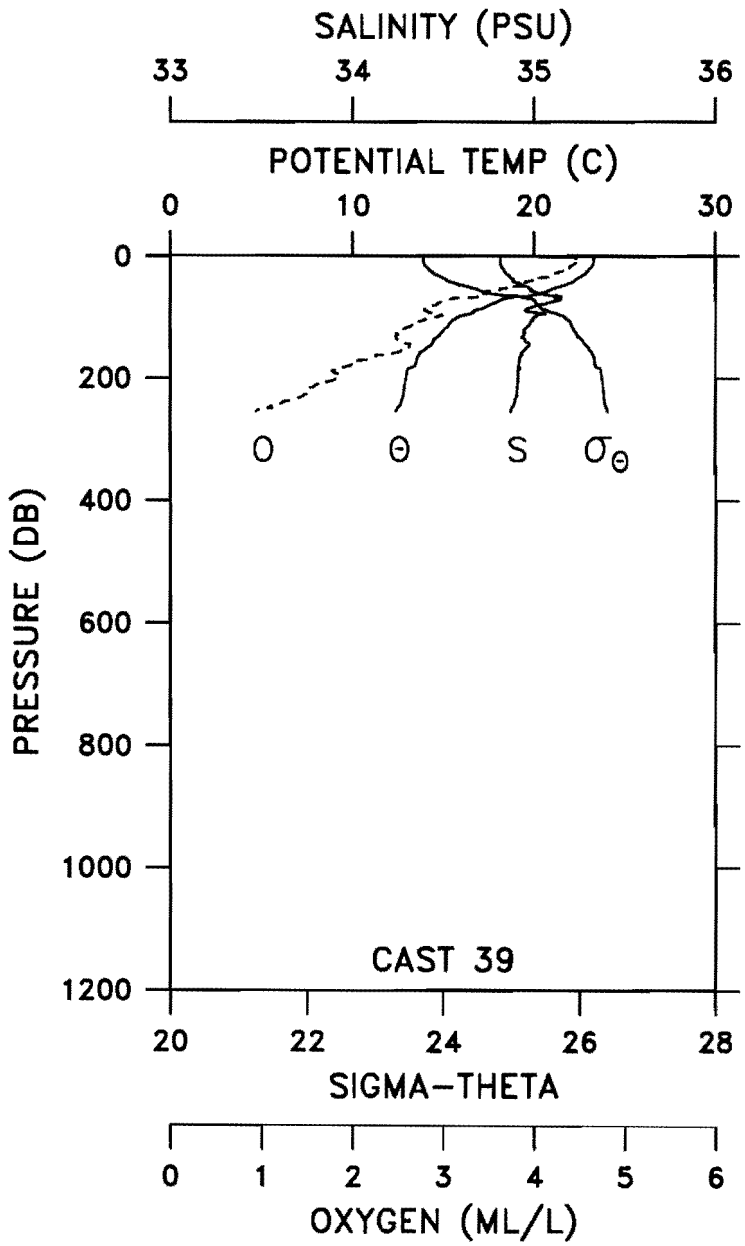
CAST EP2-87-OC -038 DATE 28 OCT 87 TIME 0908 GMT
LAT 00 03.6S LONG 109 51.9W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 190 T SPD 04 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 22.9 WET 22.0 DEPTH 3773 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.486	34.818	4.60	23.656	0.000
10	23.316	34.824	4.38	23.710	0.042
20	23.045	34.844	4.33	23.804	0.083
30	22.590	34.869	4.11	23.953	0.124
40	21.711	34.934	3.90	24.250	0.162
50	20.711	35.012	3.62	24.583	0.197
60	18.908	35.108	3.28	25.128	0.229
70	17.890	35.074	3.00	25.357	0.256
80	16.877	34.940	2.82	25.498	0.282
90	16.136	35.039	3.00	25.747	0.306
100	15.435	34.974	2.74	25.856	0.328
110	15.180	34.947	2.60	25.892	0.350
120	14.938	34.939	2.52	25.940	0.371
130	14.429	34.943	2.51	26.052	0.391
140	14.256	34.965	2.71	26.106	0.411
150	13.772	34.932	2.49	26.183	0.430
160	13.594	34.918	2.12	26.209	0.449
170	13.492	34.915	2.01	26.227	0.467
180	13.045	34.910	1.79	26.315	0.485
190	12.996	34.911	1.89	26.325	0.502
200	12.916	34.912	1.80	26.342	0.520
250	12.466	34.875	1.10	26.402	0.606
300	11.582	34.823	0.34	26.531	0.687
350	9.653	34.715	0.33	26.789	0.758
400	9.102	34.686	0.58	26.856	0.823
450	8.329	34.646	0.78	26.946	0.885
500	7.688	34.614	0.95	27.017	0.942
550	7.325	34.600	1.03	27.058	0.997
600	6.830	34.579	1.38	27.111	1.051
650	6.391	34.565	1.42	27.159	1.102
700	6.068	34.560	1.47	27.197	1.151
750	5.837	34.558	1.50	27.224	1.199
800	5.467	34.550	1.69	27.264	1.245
900	4.994	34.550	1.82	27.319	1.333
1000	4.467	34.558	1.84	27.385	1.416
1500	2.967	34.605	2.06	27.573	1.762
2000	2.203	34.640	2.38	27.667	2.042
2500	1.703	34.664	2.80	27.726	2.291
3000	1.438	34.677	3.13	27.756	2.522
3500	1.245	34.688	3.42	27.778	2.746
3781	1.157	34.693	3.63	27.788	2.868

CAST EP2-87-OC -039 DATE 28 OCT 87 TIME 1146 GMT

LAT 00 00.3S LONG 109 52.0W



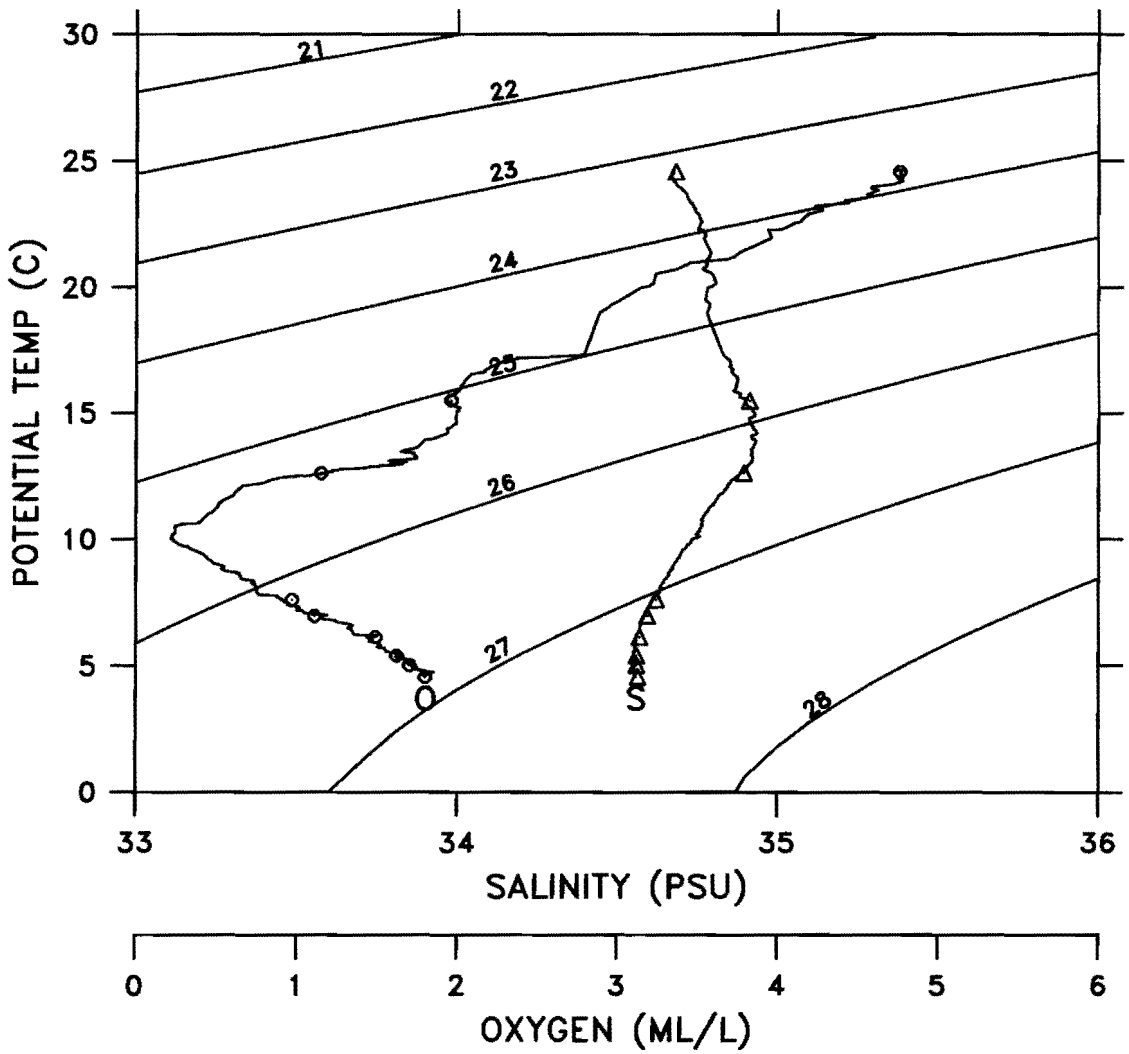


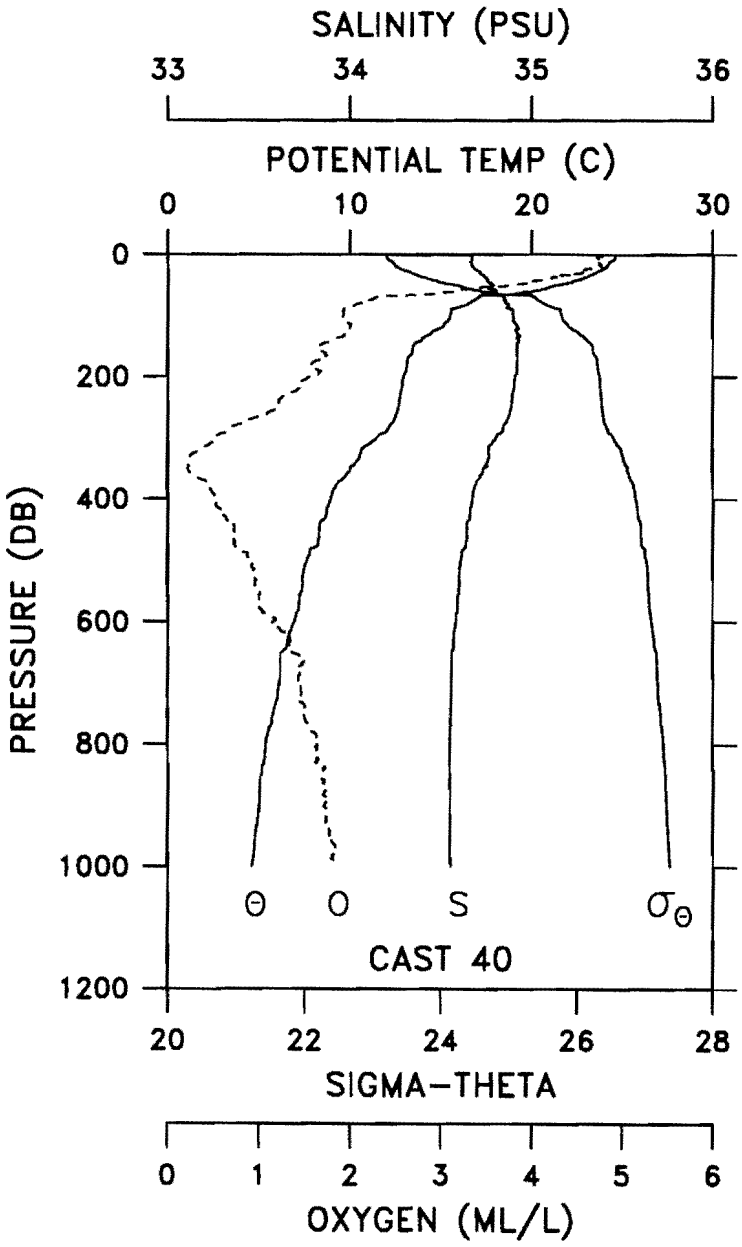
CAST EP2-87-OC -039 DATE 28 OCT 87 TIME 1146 GMT
LAT 00 00.3S LONG 109 52.0W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 130 T SPD 06 KT VISIBILITY 9
CLOUD 0 AMOUNT 3 DRY 22.9 WET 22.0 DEPTH 3722 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.304	34.818	4.17	23.710	0.000
10	23.290	34.816	4.47	23.712	0.042
20	23.104	34.830	4.40	23.776	0.083
30	22.795	34.853	4.24	23.883	0.124
40	22.266	34.885	3.98	24.057	0.163
50	21.381	34.962	3.73	24.362	0.201
60	20.459	35.023	3.50	24.659	0.235
70	18.340	35.149	3.09	25.303	0.265
80	17.575	35.019	2.92	25.392	0.292
90	16.722	34.956	2.82	25.547	0.317
100	15.835	35.002	2.92	25.788	0.340
110	15.399	34.979	2.68	25.868	0.362
120	15.061	34.947	2.55	25.919	0.384
130	14.794	34.944	2.48	25.974	0.405
140	14.453	34.953	2.51	26.055	0.425
150	14.097	34.957	2.57	26.134	0.444
160	13.710	34.930	2.39	26.195	0.463
170	13.548	34.921	2.16	26.221	0.482
180	13.447	34.916	1.97	26.238	0.500
190	13.005	34.912	1.79	26.325	0.518
200	12.970	34.914	1.81	26.333	0.535
250	12.451	34.875	0.99	26.405	0.621
255	12.392	34.871	0.94	26.414	0.629

CAST EP2-87-OC -040 DATE 28 OCT 87 TIME 2315 GMT

LAT 00 29.3N LONG 109 59.7W



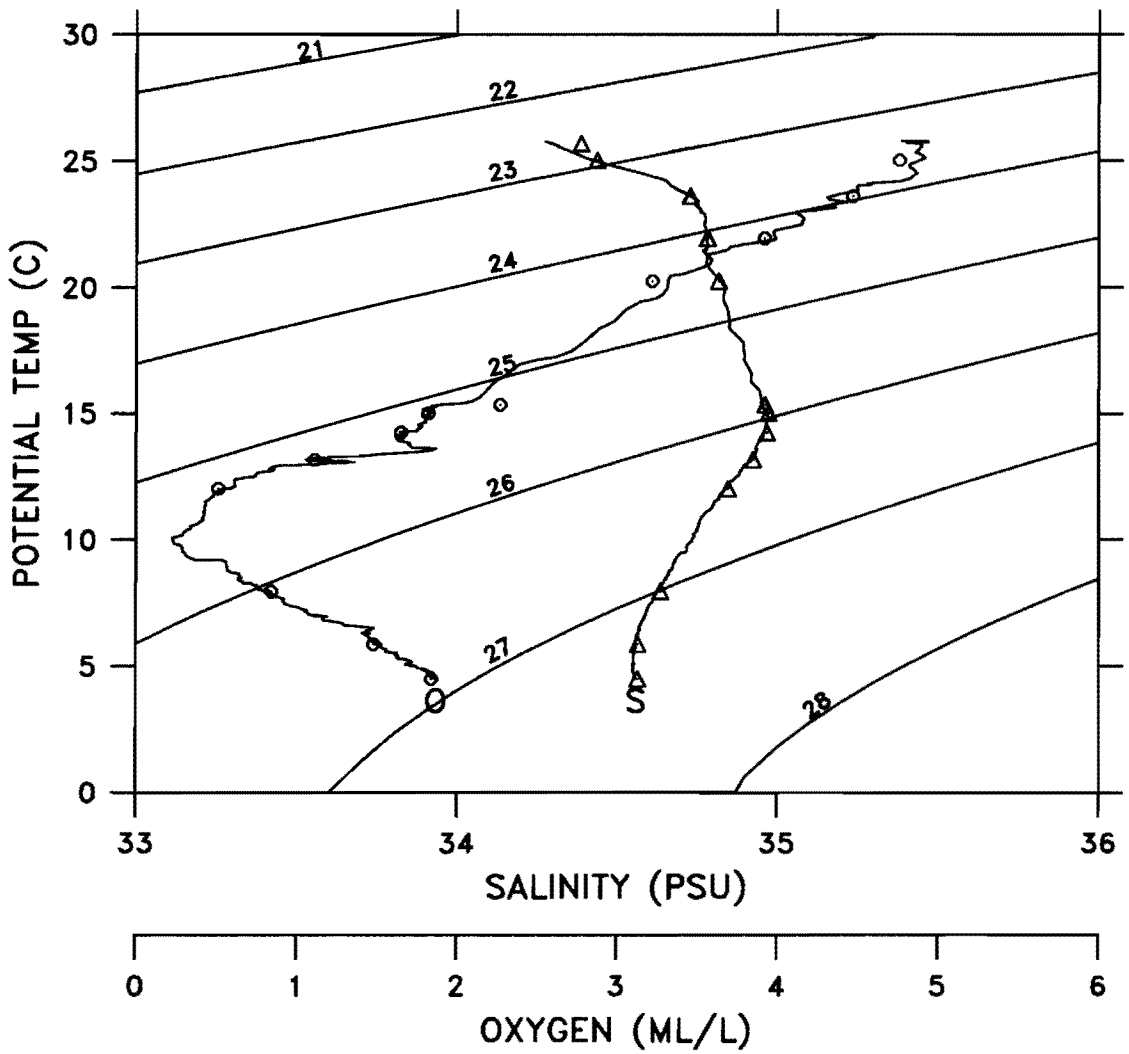


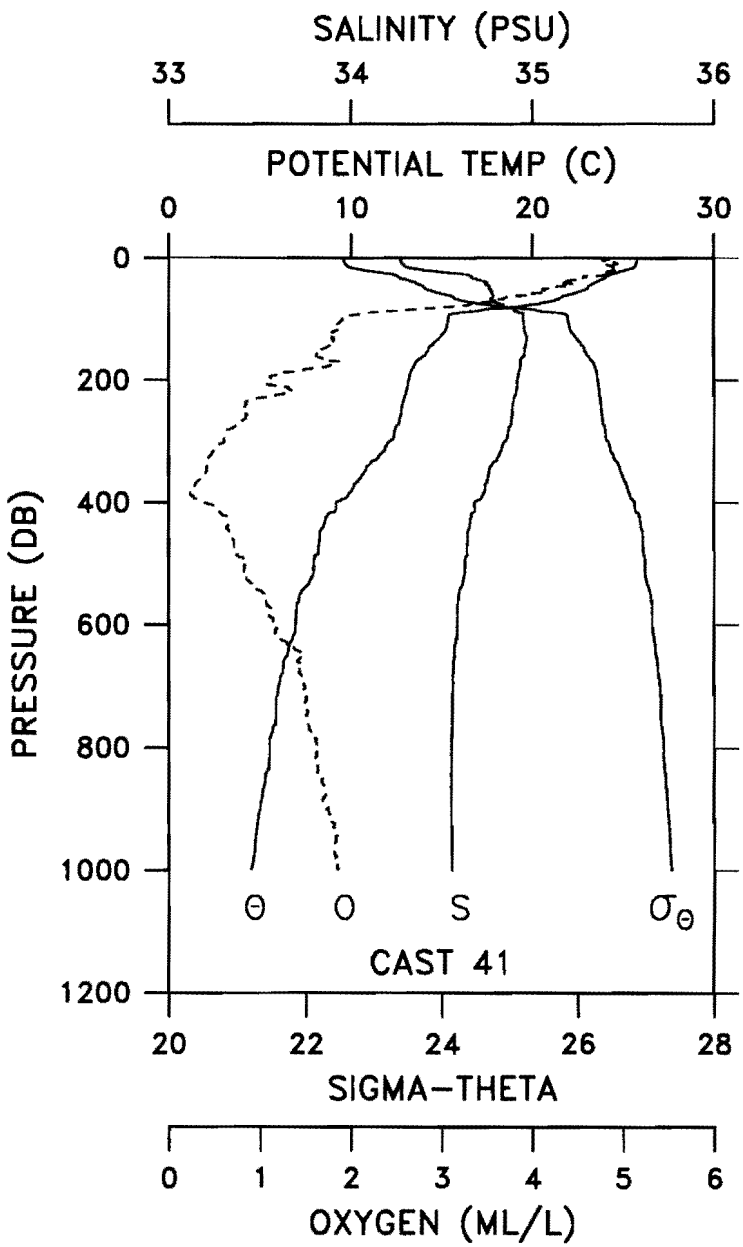
CAST EP2-87-OC -040 DATE 28 OCT 87 TIME 2315 GMT
LAT 00 29.3N LONG 109 59.7W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 120 T SPD 10 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 26.5 WET 23.8 DEPTH 3780 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.631	34.668	4.79	23.204	0.000
10	24.468	34.672	4.76	23.256	0.047
20	24.178	34.674	4.78	23.344	0.092
30	23.539	34.718	4.57	23.565	0.137
40	22.787	34.754	4.17	23.810	0.179
50	21.366	34.791	3.76	24.236	0.218
60	20.043	34.795	3.20	24.595	0.253
70	17.079	34.851	2.29	25.382	0.283
80	16.529	34.863	2.08	25.521	0.308
90	15.593	34.895	1.94	25.760	0.332
100	15.529	34.898	1.93	25.777	0.355
110	15.324	34.904	1.97	25.827	0.377
120	15.044	34.926	2.00	25.906	0.399
130	14.411	34.924	1.95	26.042	0.419
140	13.950	34.931	1.80	26.145	0.438
150	13.486	34.920	1.65	26.233	0.457
160	13.444	34.919	1.72	26.241	0.475
170	13.189	34.923	1.73	26.296	0.493
180	13.128	34.920	1.58	26.306	0.511
190	13.074	34.919	1.66	26.315	0.528
200	12.942	34.908	1.56	26.334	0.546
250	12.662	34.888	1.21	26.374	0.632
300	11.447	34.803	0.53	26.541	0.715
350	10.001	34.736	0.22	26.746	0.788
400	8.947	34.674	0.54	26.872	0.853
450	8.326	34.643	0.72	26.945	0.914
500	7.641	34.612	0.90	27.023	0.972
550	7.354	34.600	0.98	27.054	1.027
600	6.952	34.585	1.15	27.099	1.080
650	6.249	34.563	1.36	27.175	1.132
700	6.114	34.561	1.45	27.191	1.180
750	5.780	34.557	1.51	27.231	1.228
800	5.388	34.552	1.64	27.275	1.274
900	5.011	34.552	1.72	27.319	1.361
1000	4.614	34.557	1.79	27.368	1.445
1009	4.554	34.556	1.80	27.374	1.452

CAST EP2-87-OC -041 DATE 29 OCT 87 TIME 0259 GMT

LAT 01 00.8N LONG 109 57.2W



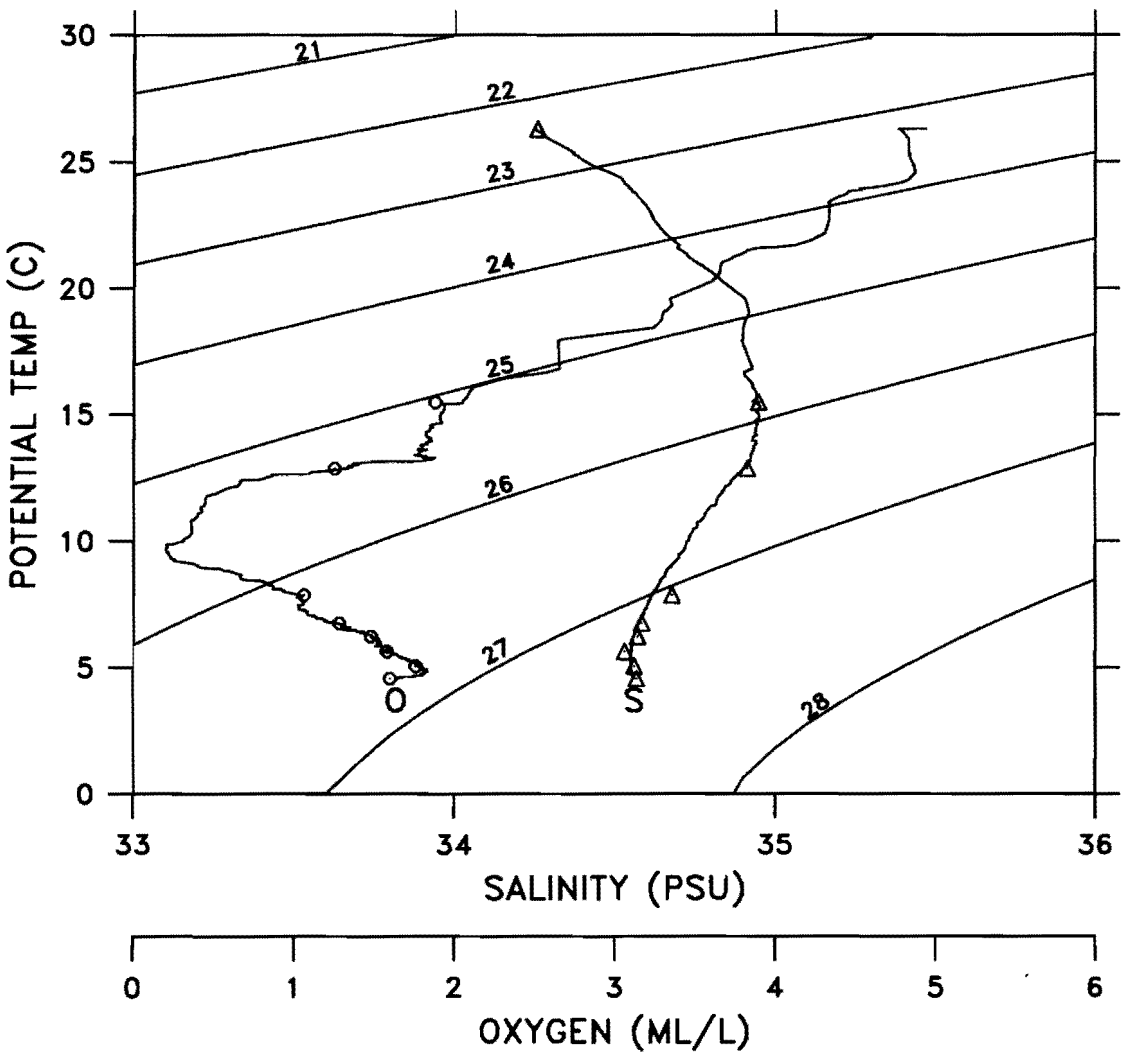


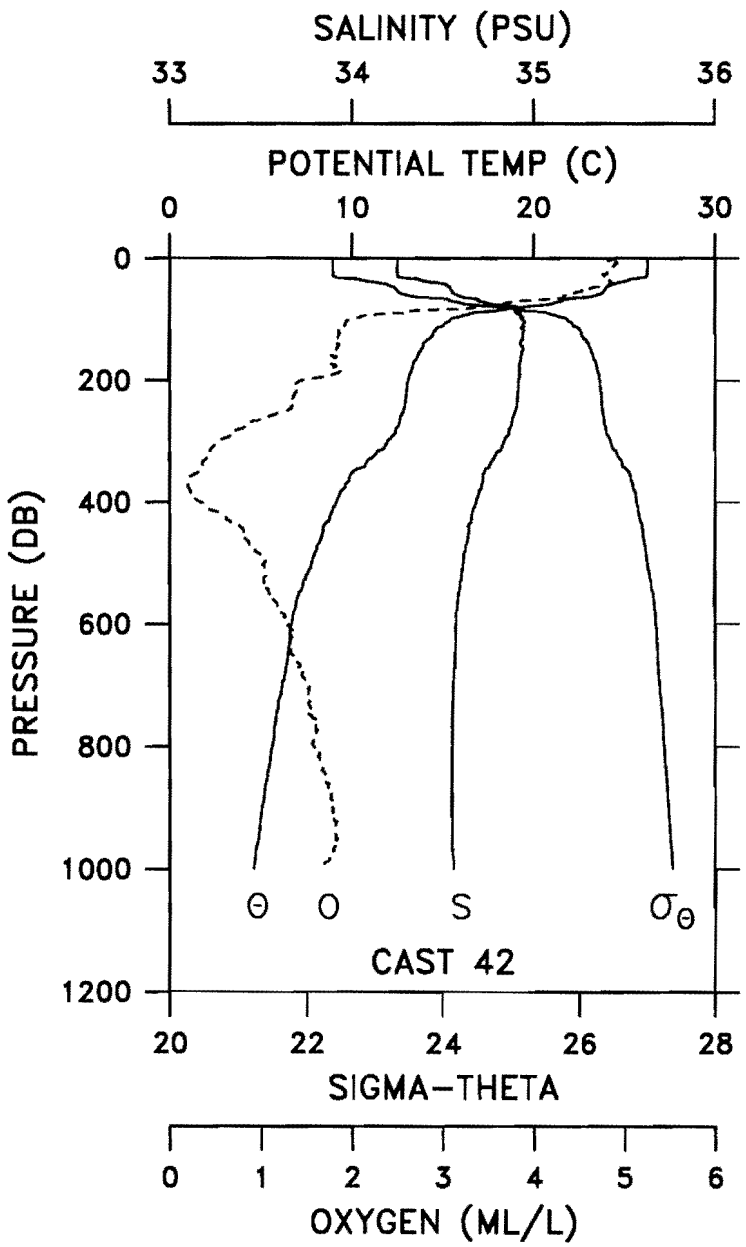
CAST EP2-87-OC -041 DATE 29 OCT 87 TIME 0259 GMT
LAT 01 00.8N LONG 109 57.2W WEATHER 1 SEA STATE 3
BAROMETER 16 WIND DIR 120 T SPD 14 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 24.0 WET 23.0 DEPTH 3773 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.757	34.277	4.84	22.565	0.000
10	25.714	34.287	4.94	22.586	0.053
20	25.102	34.403	4.92	22.861	0.104
30	24.093	34.661	4.56	23.359	0.152
40	23.452	34.749	4.32	23.614	0.196
50	22.975	34.758	4.12	23.759	0.238
60	21.933	34.780	3.99	24.071	0.278
70	21.094	34.796	3.56	24.314	0.316
80	19.125	34.845	3.06	24.872	0.350
90	15.905	34.944	2.18	25.727	0.376
100	15.356	34.950	1.90	25.856	0.398
110	15.285	34.953	1.84	25.874	0.420
120	15.183	34.958	1.79	25.900	0.441
130	14.878	34.971	1.78	25.977	0.462
140	14.553	34.966	1.76	26.043	0.482
150	14.270	34.958	1.66	26.098	0.502
160	14.064	34.955	1.62	26.139	0.521
170	13.608	34.932	1.86	26.217	0.540
180	13.430	34.932	1.63	26.254	0.558
190	13.269	34.923	1.20	26.280	0.576
200	13.185	34.917	1.07	26.292	0.594
250	12.803	34.889	0.84	26.347	0.682
300	12.138	34.847	0.61	26.445	0.767
350	10.755	34.759	0.41	26.633	0.846
400	9.189	34.679	0.39	26.837	0.916
450	8.272	34.641	0.67	26.951	0.977
500	7.954	34.628	0.84	26.989	1.036
550	7.197	34.594	1.06	27.071	1.092
600	6.963	34.585	1.17	27.098	1.145
650	6.505	34.570	1.46	27.147	1.197
700	6.008	34.559	1.49	27.203	1.246
750	5.859	34.558	1.53	27.221	1.293
800	5.528	34.553	1.61	27.259	1.340
900	4.995	34.552	1.73	27.321	1.428
1000	4.514	34.558	1.85	27.379	1.511
1007	4.495	34.558	1.87	27.382	1.516

CAST EP2-87-OC -042 DATE 29 OCT 87 TIME 0640 GMT

LAT 01 31.3N LONG 110 01.1W



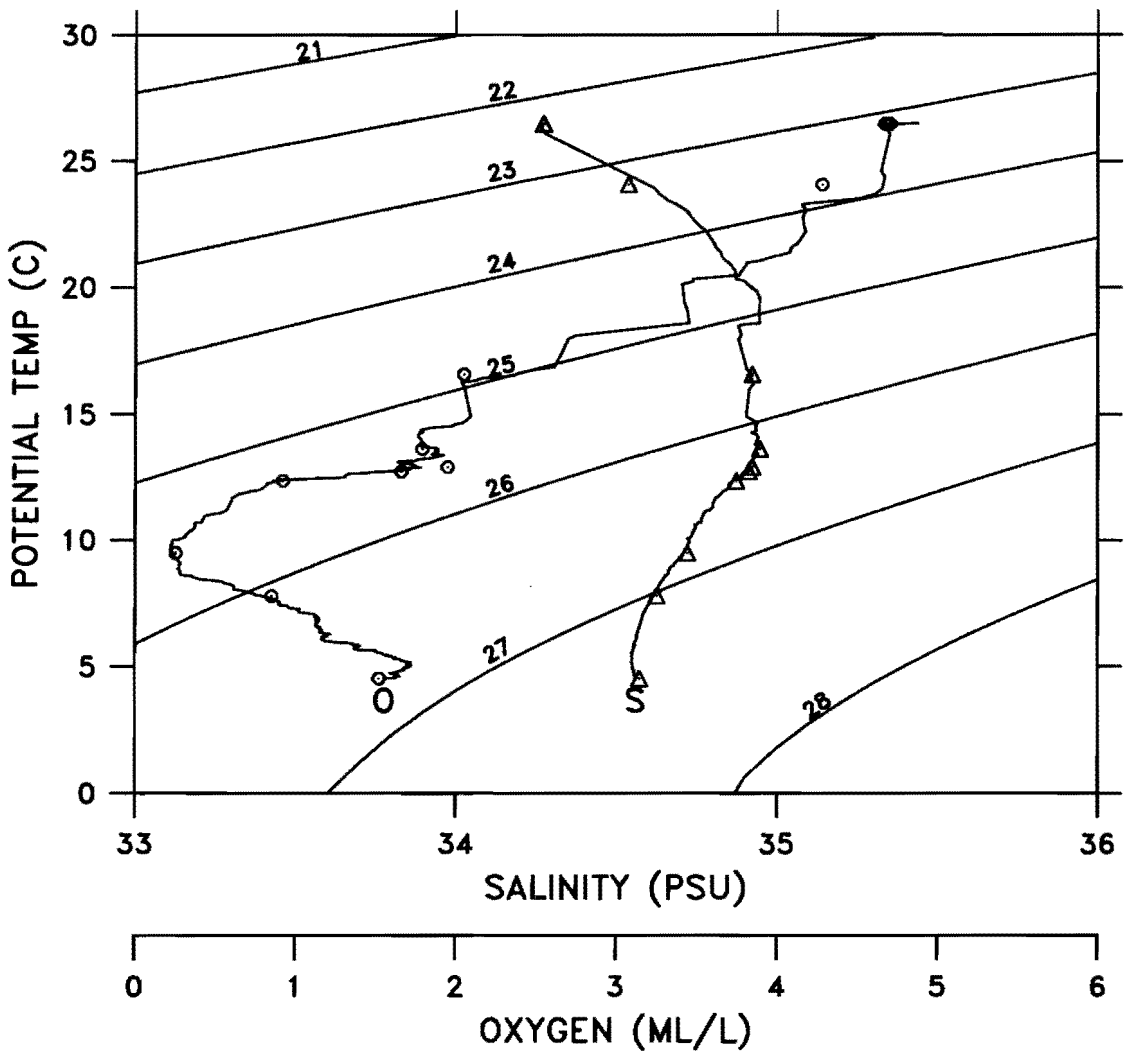


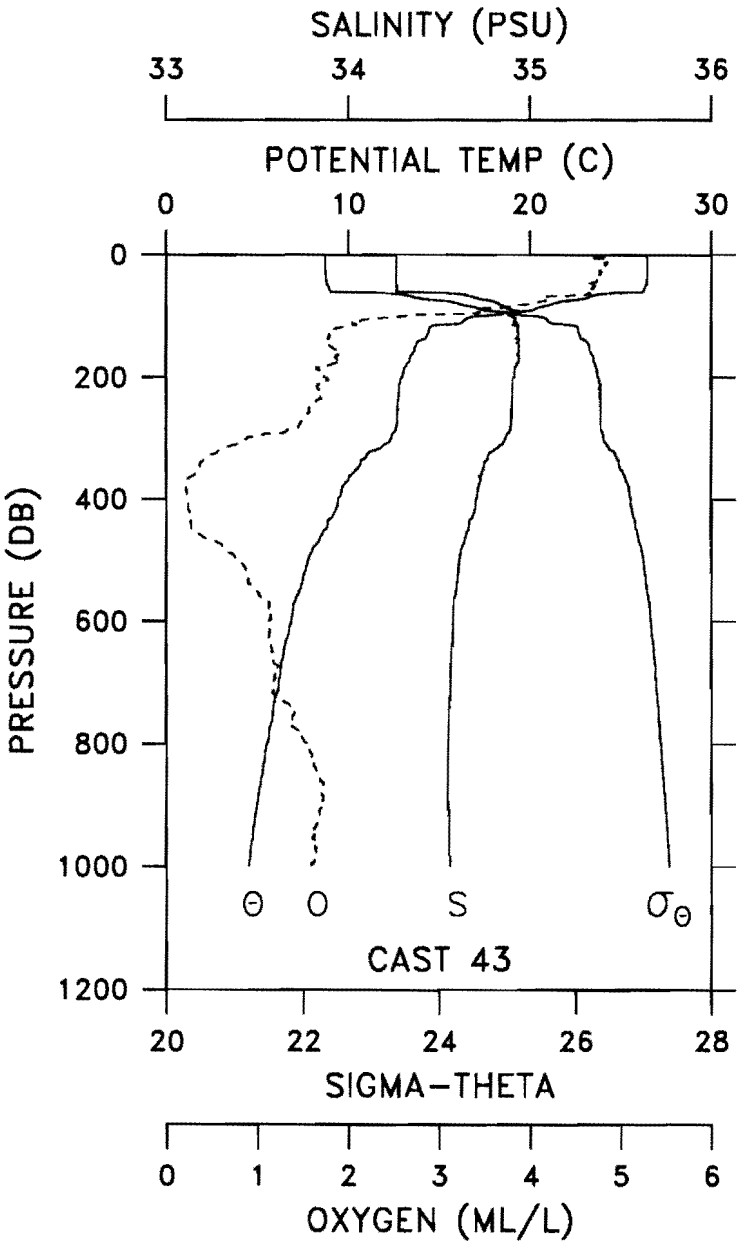
CAST EP2-87-OC -042 DATE 29 OCT 87 TIME 0640 GMT
LAT 01 31.3N LONG 110 01.1W WEATHER 1 SEA STATE 2
BAROMETER 16 WIND DIR 120 T SPD 12 KT VISIBILITY 8
CLOUD 3 AMOUNT 3 DRY 24.7 WET 22.5 DEPTH 3797 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.280	34.253	4.89	22.384	0.000
10	26.281	34.252	4.91	22.383	0.054
20	26.268	34.252	4.83	22.387	0.109
30	26.234	34.253	4.78	22.399	0.163
40	24.623	34.472	4.87	23.058	0.215
50	23.978	34.542	4.62	23.303	0.261
60	23.486	34.582	4.35	23.477	0.307
70	21.506	34.705	3.83	24.132	0.347
80	19.329	34.912	3.35	24.870	0.383
90	16.535	34.903	2.43	25.551	0.410
100	15.418	34.935	2.01	25.830	0.433
110	15.045	34.943	1.91	25.919	0.455
120	14.537	34.942	1.85	26.029	0.475
130	14.350	34.939	1.84	26.066	0.495
140	13.939	34.926	1.84	26.144	0.514
150	13.809	34.940	1.82	26.181	0.533
160	13.619	34.931	1.77	26.214	0.552
170	13.411	34.924	1.77	26.251	0.570
180	13.315	34.924	1.80	26.271	0.588
190	13.180	34.923	1.79	26.298	0.606
200	13.105	34.917	1.44	26.308	0.624
250	12.833	34.899	1.29	26.349	0.711
300	11.960	34.837	0.54	26.470	0.796
350	10.061	34.731	0.31	26.732	0.872
400	9.138	34.682	0.33	26.847	0.938
450	8.383	34.642	0.80	26.935	1.000
500	7.769	34.613	1.04	27.005	1.059
550	7.069	34.585	1.08	27.083	1.114
600	6.667	34.572	1.31	27.127	1.166
650	6.475	34.567	1.34	27.149	1.216
700	6.145	34.558	1.50	27.185	1.266
750	5.833	34.553	1.56	27.220	1.314
800	5.601	34.551	1.58	27.248	1.361
900	5.039	34.550	1.79	27.314	1.450
1000	4.599	34.558	1.66	27.371	1.534
1009	4.560	34.560	1.64	27.376	1.541

CAST EP2-87-OC -043 DATE 29 OCT 87 TIME 1140 GMT

LAT 02 11.9N LONG 110 21.9W



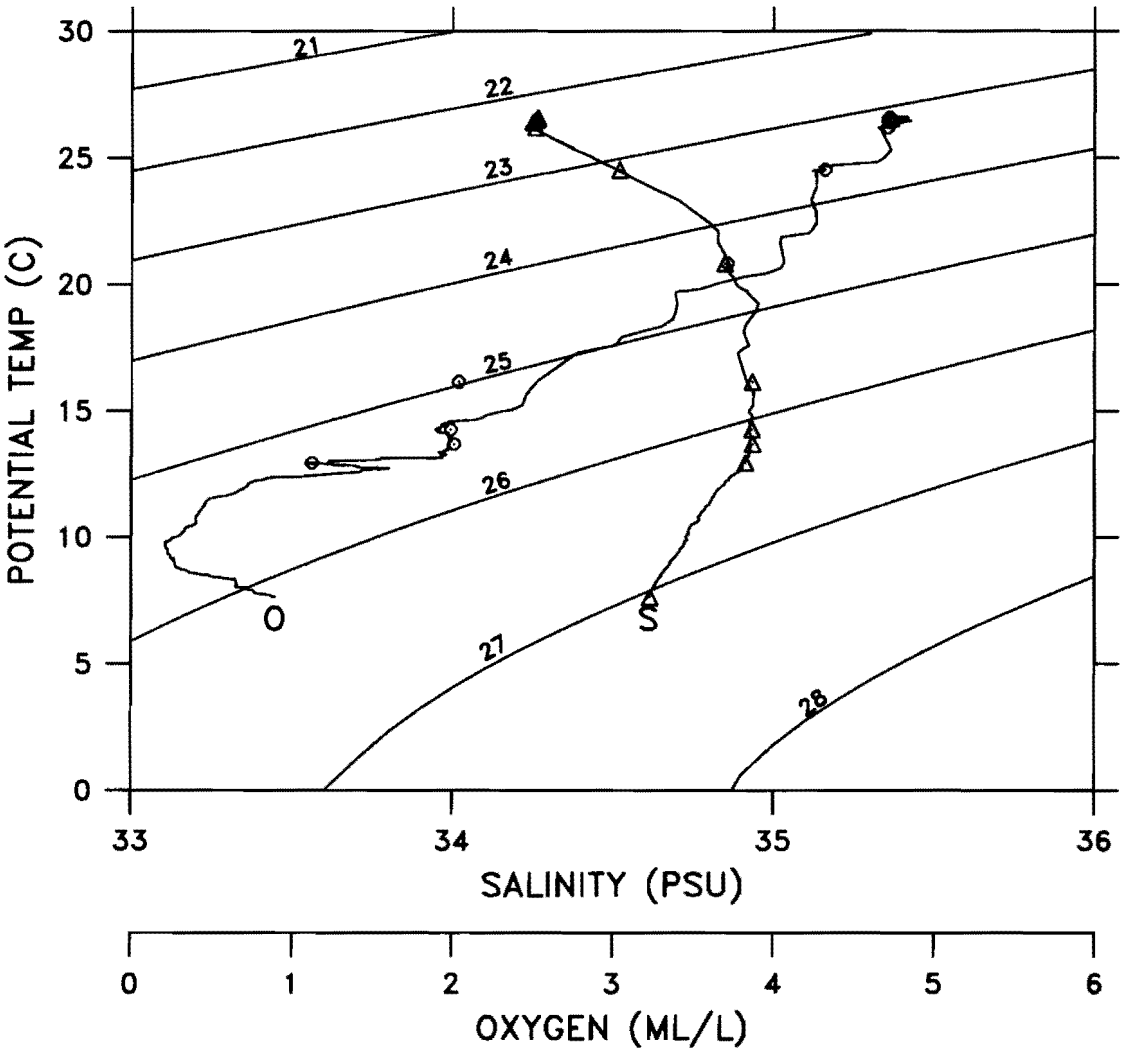


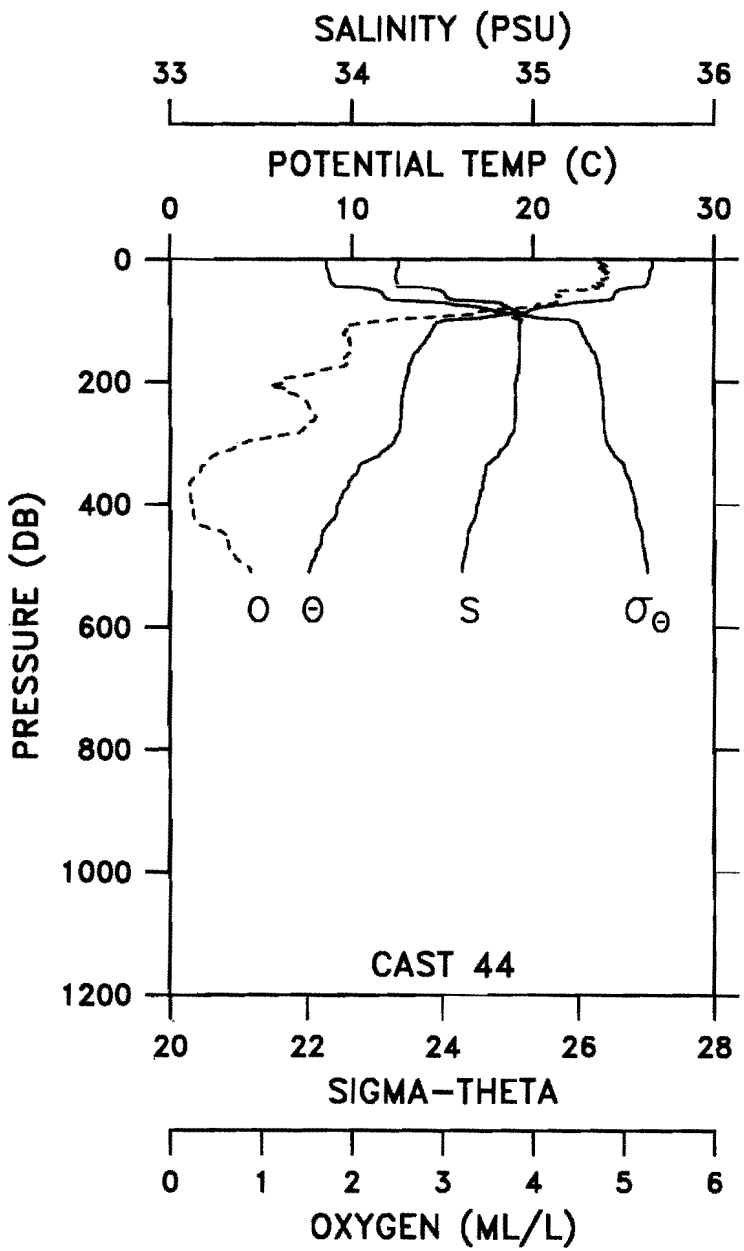
CAST EP2-87-OC -043 DATE 29 OCT 87 TIME 1140 GMT
LAT 02 11.9N LONG 110 21.9W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 140 T SPD 12 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 24.8 WET 22.8 DEPTH 3985 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.496	34.266	4.83	22.327	0.000
10	26.493	34.266	4.87	22.327	0.055
20	26.490	34.265	4.82	22.328	0.110
30	26.478	34.266	4.76	22.332	0.165
40	26.457	34.266	4.74	22.339	0.220
50	26.382	34.268	4.72	22.364	0.275
60	26.076	34.278	4.70	22.467	0.330
70	23.055	34.715	4.18	23.703	0.375
80	21.257	34.827	3.99	24.293	0.414
90	20.121	34.906	3.41	24.660	0.448
100	16.854	34.904	2.61	25.476	0.477
110	16.259	34.926	2.03	25.632	0.502
120	14.465	34.933	1.86	26.038	0.523
130	14.347	34.935	1.78	26.064	0.543
140	13.906	34.936	1.79	26.158	0.563
150	13.690	34.940	1.81	26.206	0.581
160	13.583	34.937	1.88	26.226	0.600
170	13.387	34.940	1.88	26.269	0.618
180	13.216	34.926	1.79	26.293	0.635
190	13.041	34.913	1.73	26.318	0.653
200	12.962	34.912	1.74	26.333	0.670
250	12.723	34.901	1.56	26.372	0.756
300	12.356	34.865	0.89	26.416	0.842
350	10.532	34.744	0.37	26.660	0.919
400	9.432	34.704	0.23	26.817	0.988
450	8.686	34.664	0.28	26.905	1.052
500	7.777	34.612	0.80	27.003	1.111
550	7.288	34.593	0.99	27.058	1.166
600	6.836	34.579	1.12	27.110	1.219
650	6.424	34.568	1.17	27.157	1.270
700	6.157	34.564	1.18	27.188	1.320
750	5.822	34.556	1.40	27.225	1.367
800	5.507	34.550	1.54	27.258	1.414
900	4.964	34.551	1.68	27.324	1.502
1000	4.529	34.562	1.57	27.381	1.584
1009	4.518	34.563	1.55	27.383	1.591

CAST EP2-87-OC -044 DATE 30 OCT 87 TIME 0201 GMT

LAT 02 03.6N LONG 110 10.7W



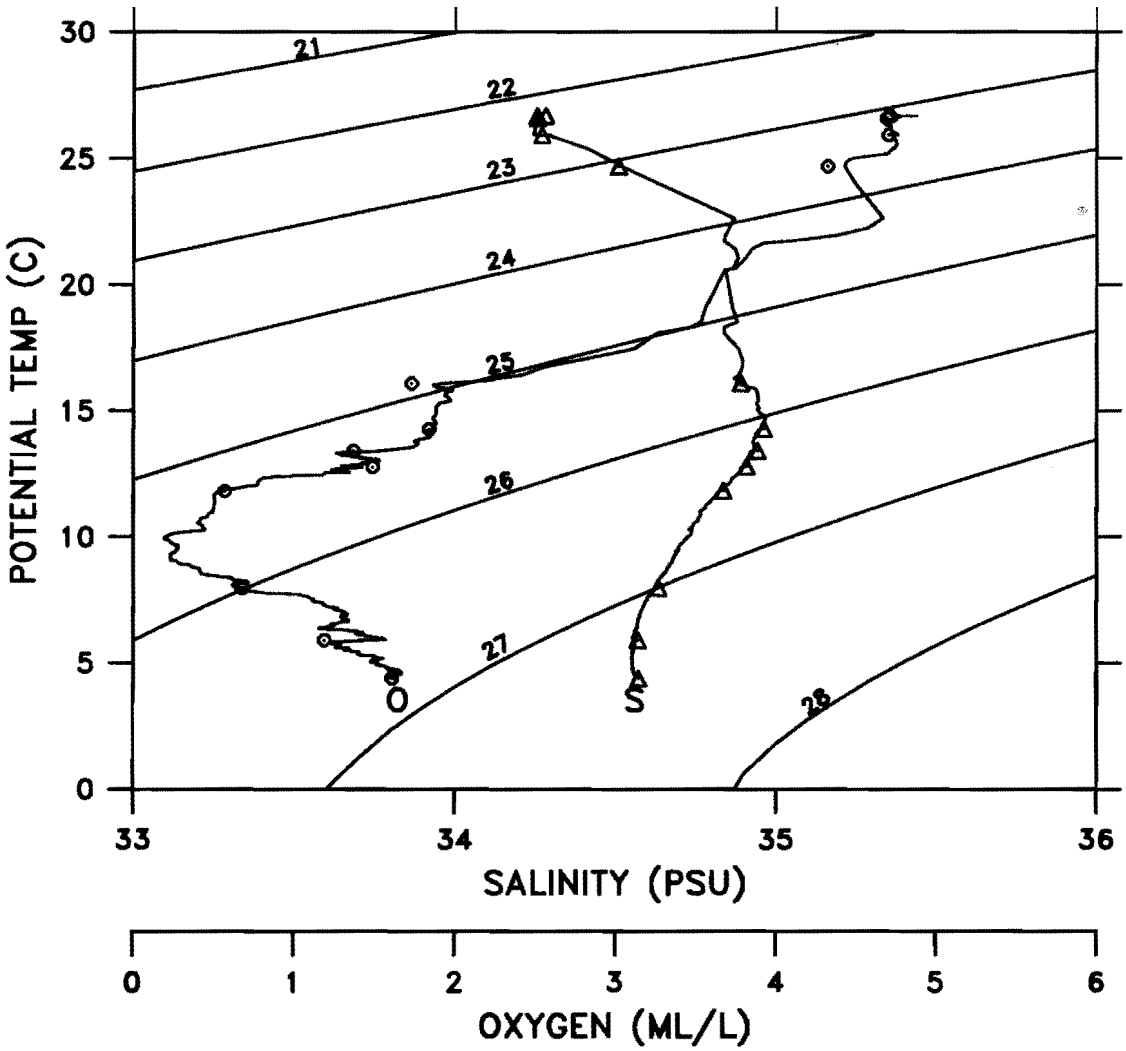


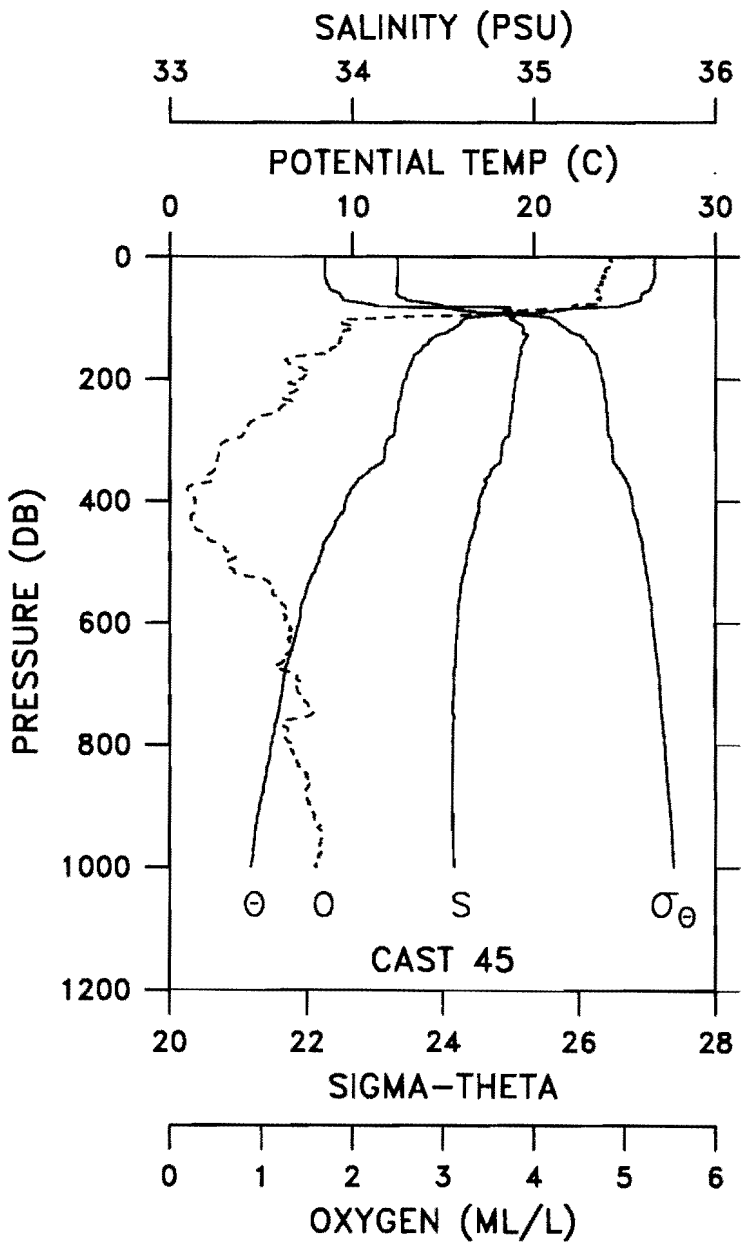
CAST EP2-87-OC -044 DATE 30 OCT 87 TIME 0201 GMT
LAT 02 03.6N LONG 110 10.7W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 120 T SPD 12 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 25.0 WET 23.0 DEPTH 3793 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.589	34.258	4.80	22.291	0.000
10	26.599	34.259	4.80	22.289	0.055
20	26.475	34.247	4.82	22.319	0.111
30	26.416	34.243	4.82	22.334	0.166
40	26.295	34.251	4.76	22.378	0.221
50	24.749	34.477	4.47	23.024	0.273
60	24.472	34.519	4.31	23.139	0.321
70	22.433	34.797	4.27	23.943	0.366
80	20.161	34.878	3.73	24.628	0.402
90	18.344	34.911	3.30	25.120	0.434
100	15.045	34.925	2.37	25.905	0.459
110	14.525	34.926	1.98	26.019	0.480
120	14.326	34.924	1.91	26.060	0.500
130	14.117	34.924	1.97	26.105	0.519
140	13.882	34.929	1.98	26.158	0.538
150	13.661	34.926	1.97	26.201	0.557
160	13.366	34.926	1.92	26.262	0.575
170	13.231	34.923	1.93	26.287	0.593
180	13.138	34.918	1.70	26.302	0.611
190	13.062	34.912	1.50	26.313	0.628
200	12.960	34.905	1.24	26.328	0.646
250	12.741	34.903	1.57	26.370	0.732
300	12.272	34.859	0.81	26.427	0.817
350	10.232	34.734	0.32	26.705	0.894
400	9.211	34.693	0.24	26.844	0.960
450	8.329	34.639	0.61	26.941	1.022
500	7.711	34.610	0.85	27.011	1.081
510	7.630	34.607	0.89	27.020	1.092

CAST EP2-87-OC -045 DATE 30 OCT 87 TIME 0826 GMT

LAT 02 59.8N LONG 109 59.5W



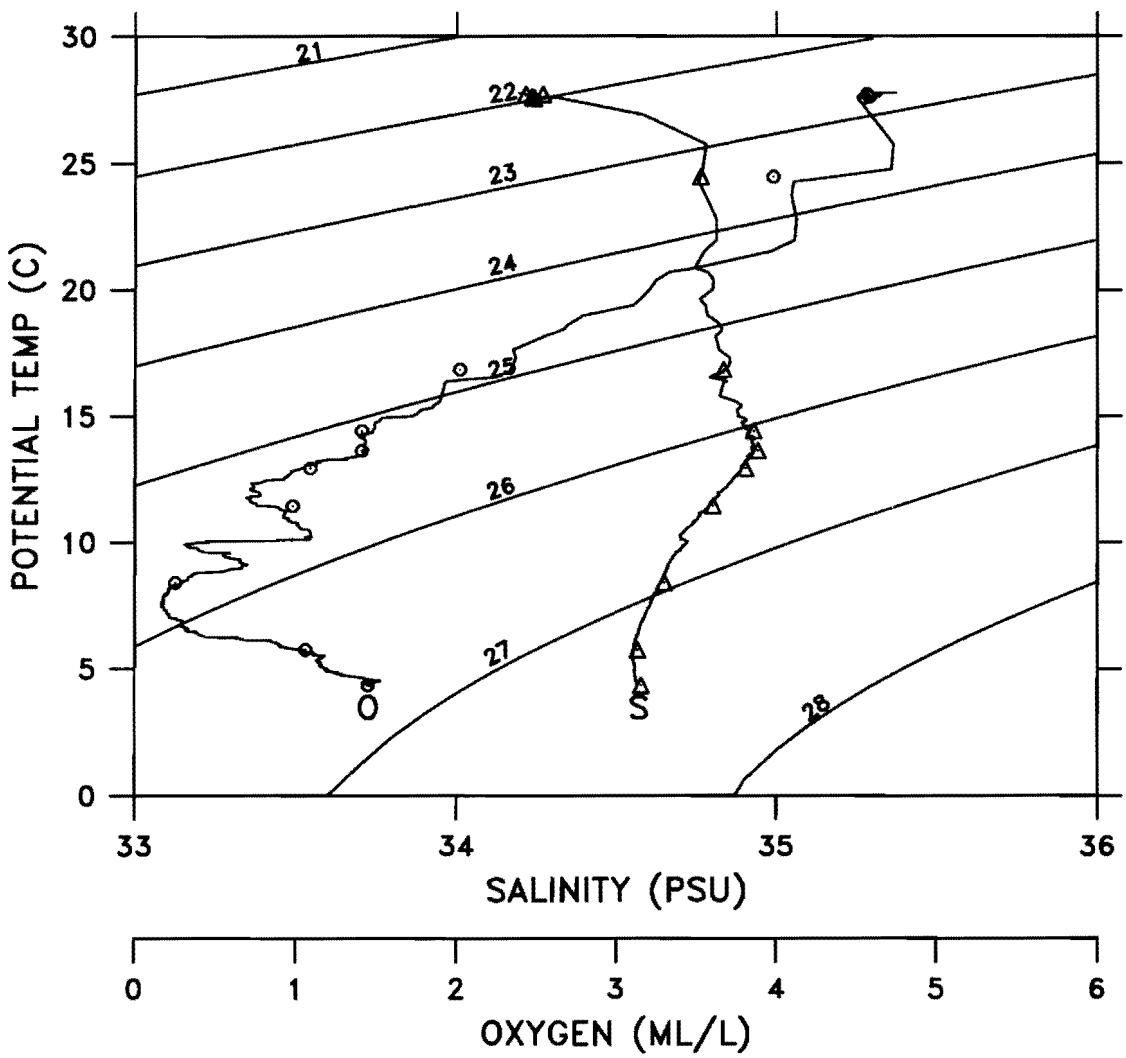


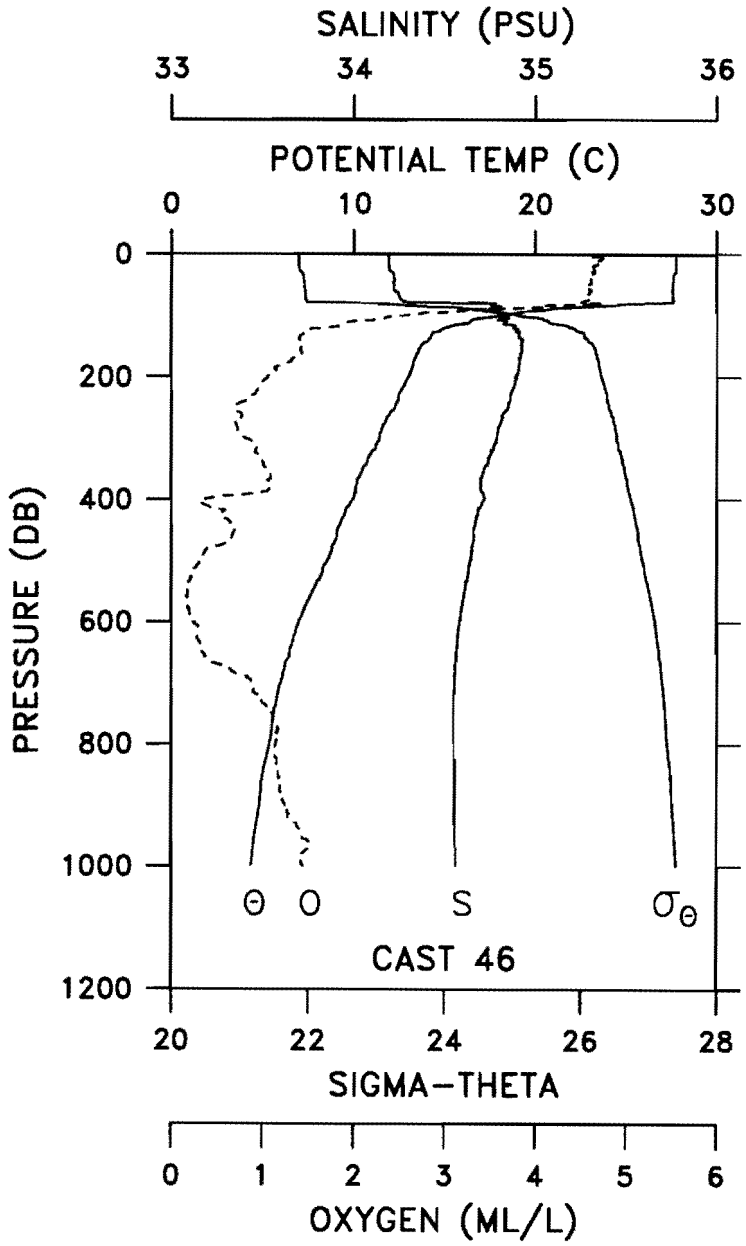
CAST EP2-87-OC -045 DATE 30 OCT 87 TIME 0826 GMT
LAT 02 59.8N LONG 109 59.5W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 160 T SPD 10 KT VISIBILITY 8
CLOUD 3 AMOUNT 2 DRY 25.5 WET 23.0 DEPTH 3895 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.654	34.249	4.88	22.264	0.000
10	26.657	34.248	4.83	22.262	0.056
20	26.653	34.248	4.79	22.264	0.111
30	26.651	34.248	4.76	22.264	0.167
40	26.585	34.247	4.76	22.284	0.223
50	26.452	34.244	4.74	22.323	0.278
60	25.952	34.242	4.76	22.478	0.333
70	25.907	34.294	4.72	22.532	0.386
80	24.815	34.500	4.43	23.021	0.438
90	20.643	34.865	3.75	24.489	0.478
100	16.279	34.868	2.26	25.583	0.506
110	15.916	34.924	1.90	25.709	0.530
120	15.346	34.942	1.95	25.851	0.552
130	14.557	34.961	1.88	26.039	0.573
140	14.210	34.944	1.86	26.100	0.593
150	13.831	34.929	1.77	26.169	0.612
160	13.398	34.925	1.52	26.255	0.630
170	13.280	34.919	1.28	26.274	0.648
180	13.143	34.913	1.38	26.297	0.666
190	13.004	34.907	1.53	26.320	0.684
200	12.907	34.902	1.42	26.336	0.701
250	12.528	34.883	1.19	26.397	0.786
300	11.928	34.835	0.64	26.475	0.870
350	10.958	34.764	0.49	26.600	0.950
400	9.635	34.701	0.28	26.780	1.020
450	8.869	34.668	0.35	26.879	1.085
500	8.142	34.630	0.64	26.962	1.146
550	7.448	34.596	1.13	27.037	1.203
600	7.067	34.581	1.28	27.080	1.257
650	6.597	34.570	1.30	27.135	1.310
700	6.179	34.559	1.41	27.182	1.359
750	5.919	34.557	1.55	27.213	1.408
800	5.542	34.556	1.34	27.259	1.454
900	4.887	34.553	1.55	27.334	1.542
1000	4.420	34.561	1.63	27.393	1.623
1008	4.386	34.562	1.65	27.397	1.630

CAST EP2-87-OC -046 DATE 30 OCT 87 TIME 1417 GMT

LAT 03 59.4N LONG 109 59.2W



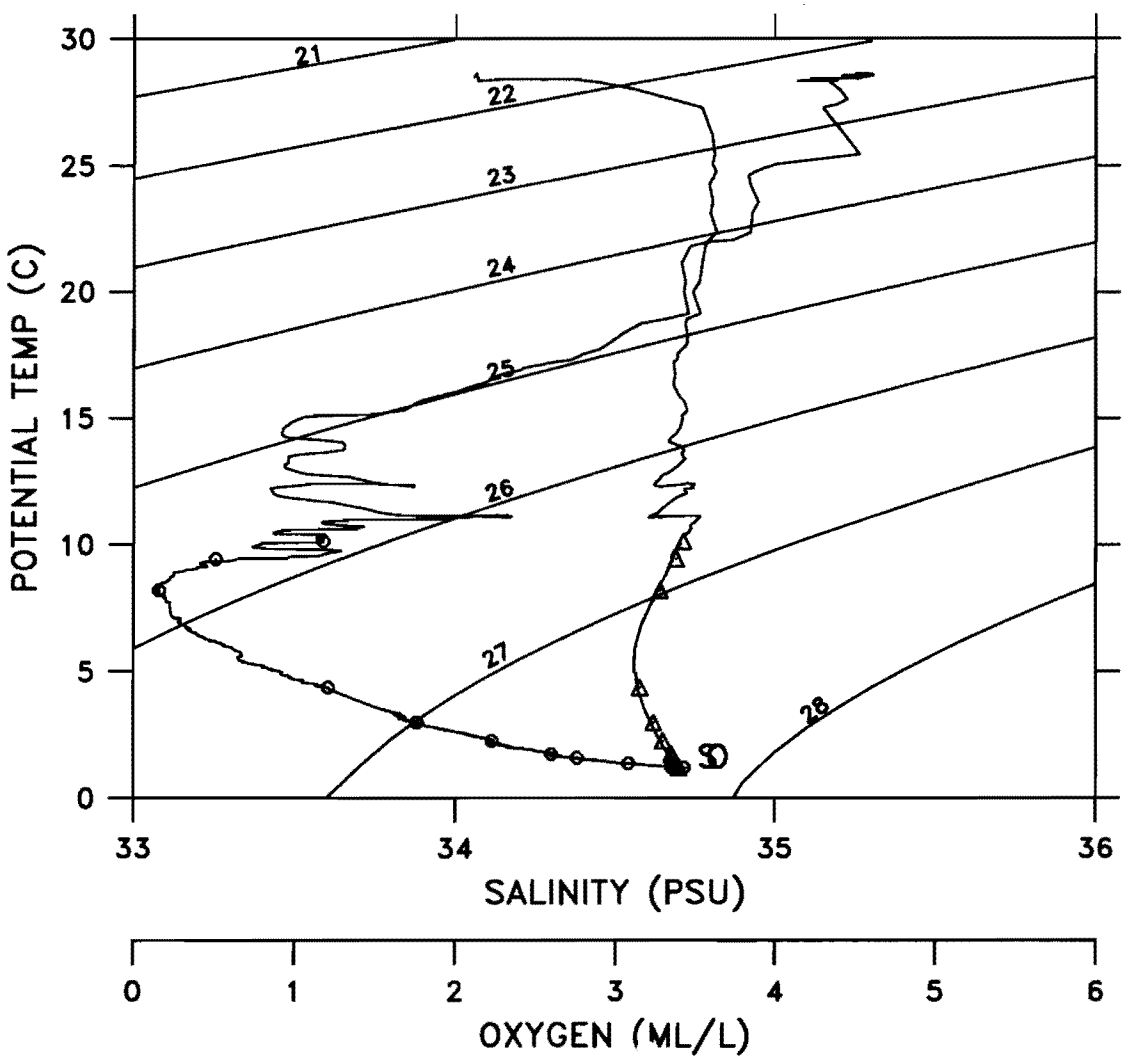


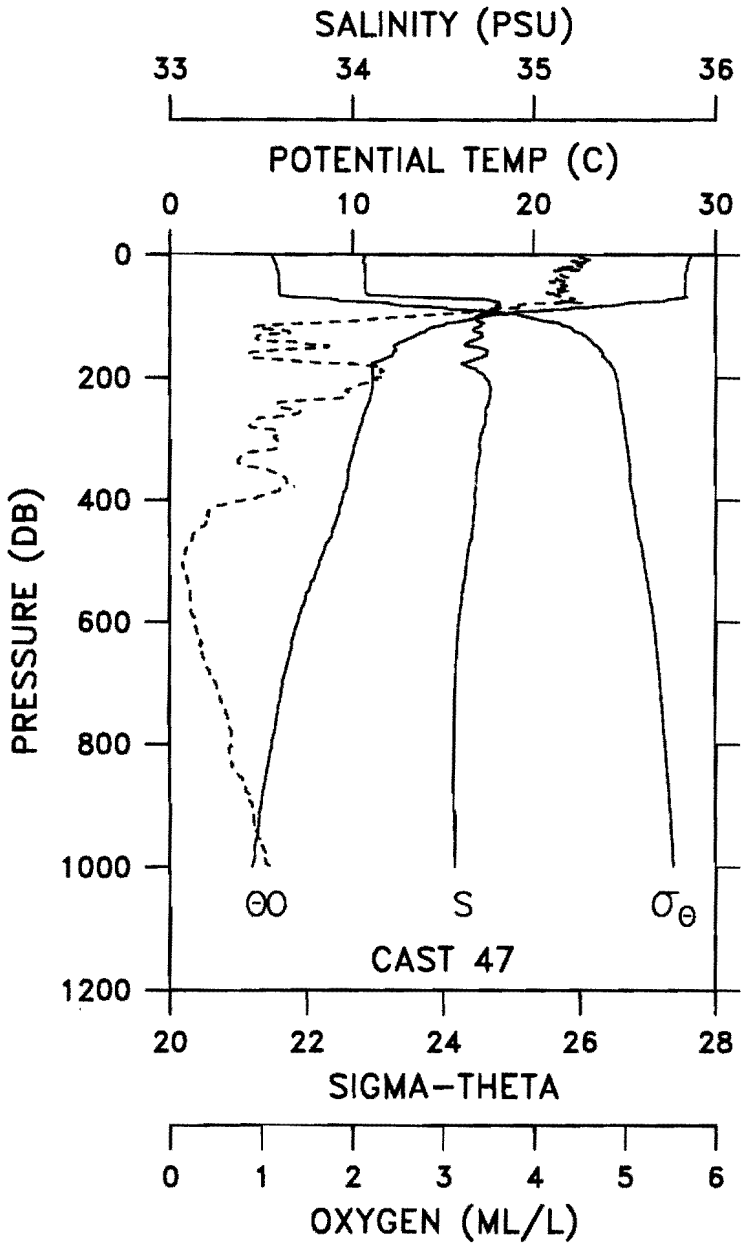
CAST EP2-87-OC -046 DATE 30 OCT 87 TIME 1417 GMT
LAT 03 59.4N LONG 109 59.2W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 145 T SPD 13 KT VISIBILITY 8
CLOUD 8 AMOUNT 4 DRY 26.2 WET 23.5 DEPTH 3895 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.764	34.193	4.72	21.867	0.000
10	27.762	34.193	4.70	21.867	0.059
20	27.762	34.194	4.65	21.868	0.119
30	27.697	34.217	4.66	21.906	0.178
40	27.616	34.224	4.61	21.938	0.237
50	27.587	34.223	4.59	21.946	0.296
60	27.565	34.230	4.62	21.959	0.355
70	27.591	34.253	4.60	21.968	0.414
80	25.734	34.779	4.73	22.951	0.471
90	20.693	34.786	3.33	24.415	0.513
100	18.177	34.808	2.55	25.083	0.544
110	16.388	34.842	1.95	25.538	0.571
120	14.988	34.878	1.71	25.882	0.594
130	14.317	34.910	1.44	26.051	0.614
140	14.125	34.932	1.42	26.109	0.634
150	13.701	34.927	1.43	26.194	0.653
160	13.557	34.925	1.43	26.222	0.671
170	13.361	34.914	1.34	26.254	0.690
180	13.287	34.910	1.21	26.266	0.707
190	13.176	34.906	1.15	26.285	0.725
200	13.017	34.889	1.06	26.304	0.743
250	12.287	34.849	0.73	26.417	0.828
300	11.437	34.789	0.81	26.531	0.909
350	10.512	34.718	1.07	26.644	0.985
400	9.953	34.718	0.36	26.740	1.056
450	9.111	34.661	0.70	26.835	1.123
500	8.535	34.643	0.33	26.912	1.187
550	7.749	34.611	0.18	27.006	1.247
600	7.012	34.582	0.24	27.088	1.302
650	6.490	34.568	0.35	27.148	1.353
700	6.016	34.557	0.87	27.201	1.403
750	5.637	34.551	1.11	27.244	1.449
800	5.377	34.551	1.15	27.275	1.495
900	4.864	34.556	1.25	27.339	1.580
1000	4.374	34.565	1.45	27.401	1.660
1008	4.333	34.565	1.45	27.405	1.667

CAST EP2-87-OC -047 DATE 31 OCT 87 TIME 0012 GMT

LAT 05 02.3N LONG 110 01.0W



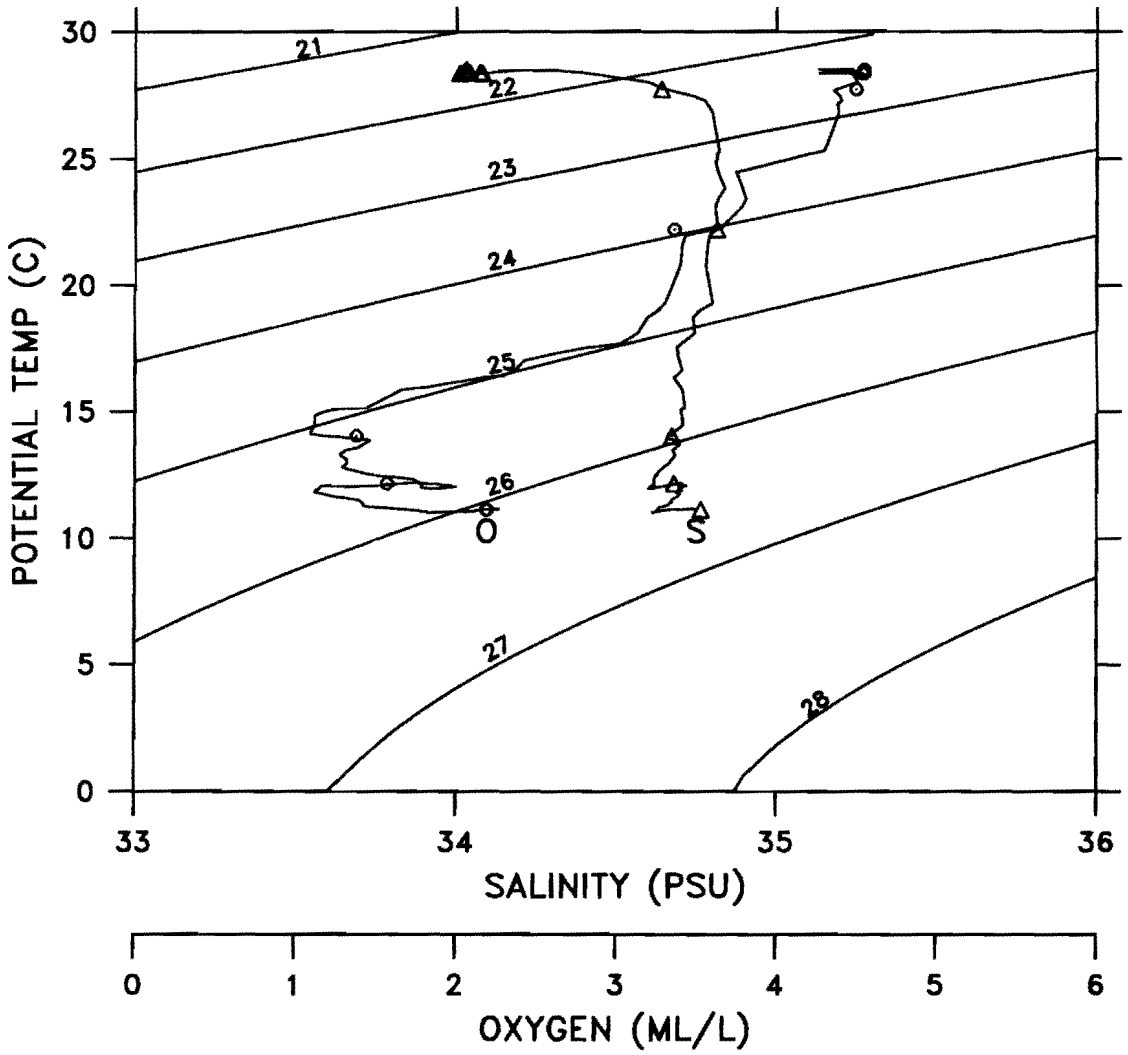


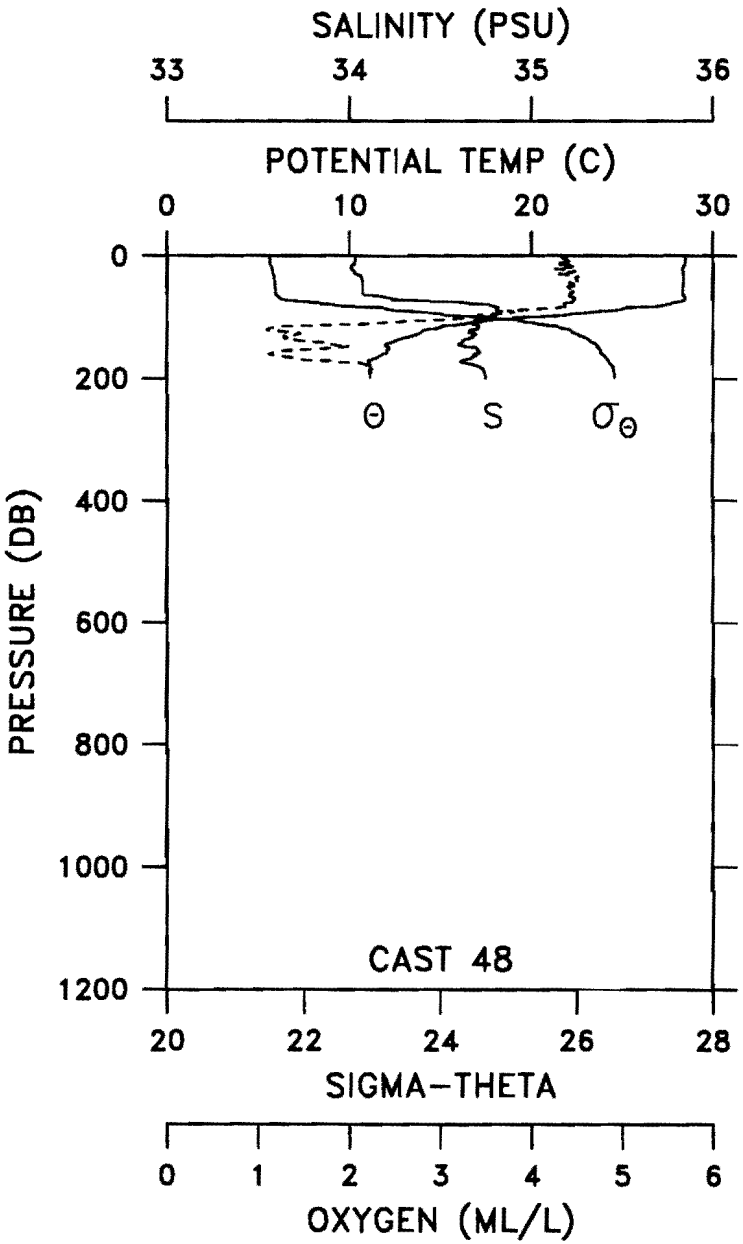
CAST EP2-87-OC -047 DATE 31 OCT 87 TIME 0012 GMT
LAT 05 02.3N LONG 110 01.0W WEATHER 1 SEA STATE 1
BAROMETER 11 WIND DIR 150 T SPD 08 KT VISIBILITY 9
CLOUD 8 AMOUNT 5 DRY 27.2 WET 26.0 DEPTH 3886 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.610	34.063	4.52	21.493	0.000
10	28.527	34.060	4.42	21.518	0.063
20	28.428	34.068	4.52	21.556	0.126
30	28.363	34.070	4.31	21.579	0.188
40	28.347	34.070	4.24	21.585	0.250
50	28.334	34.071	4.34	21.589	0.312
60	28.328	34.072	4.27	21.592	0.375
70	28.267	34.446	4.34	21.893	0.437
80	24.925	34.810	3.94	23.222	0.490
90	21.138	34.772	3.41	24.284	0.531
100	17.310	34.693	2.72	25.206	0.563
110	15.655	34.715	1.77	25.608	0.589
120	14.232	34.673	0.97	25.886	0.611
130	13.598	34.707	1.08	26.045	0.632
140	12.841	34.663	1.04	26.164	0.652
150	12.334	34.673	1.74	26.271	0.670
160	12.252	34.741	0.87	26.340	0.687
170	11.759	34.679	1.11	26.386	0.704
180	11.112	34.629	2.12	26.467	0.721
190	11.109	34.692	2.33	26.517	0.736
200	11.143	34.731	2.27	26.541	0.752
250	10.776	34.736	1.26	26.611	0.827
300	10.245	34.706	1.15	26.681	0.899
350	9.805	34.688	1.07	26.741	0.969
400	9.453	34.677	0.81	26.792	1.037
450	8.926	34.661	0.29	26.865	1.102
500	8.219	34.631	0.16	26.951	1.164
550	7.577	34.607	0.23	27.028	1.222
600	7.028	34.588	0.29	27.091	1.276
650	6.593	34.576	0.36	27.140	1.328
700	6.175	34.566	0.50	27.187	1.378
750	5.884	34.560	0.61	27.220	1.426
800	5.589	34.559	0.67	27.255	1.472
900	4.997	34.559	0.91	27.326	1.560
1000	4.516	34.565	1.09	27.385	1.642
1500	2.992	34.609	1.72	27.574	1.988
2000	2.198	34.640	2.22	27.668	2.271
2500	1.709	34.665	2.60	27.726	2.519
3000	1.576	34.673	2.72	27.742	2.756
3500	1.258	34.687	3.27	27.776	2.984
3800	1.183	34.690	3.44	27.784	3.116

CAST EP2-87-OC -048 DATE 31 OCT 87 TIME 0233 GMT

LAT 05 01.7N LONG 109 57.8W



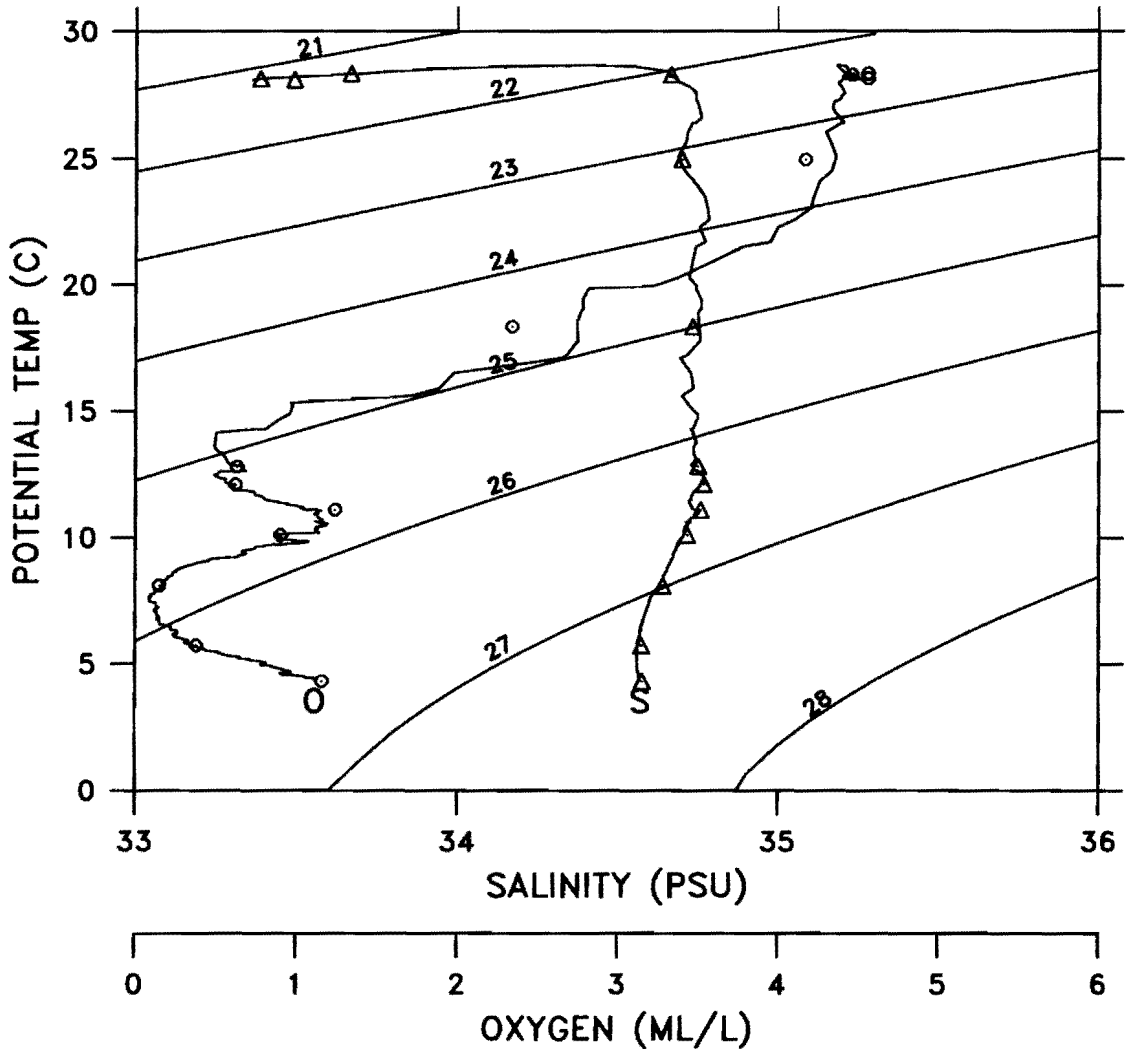


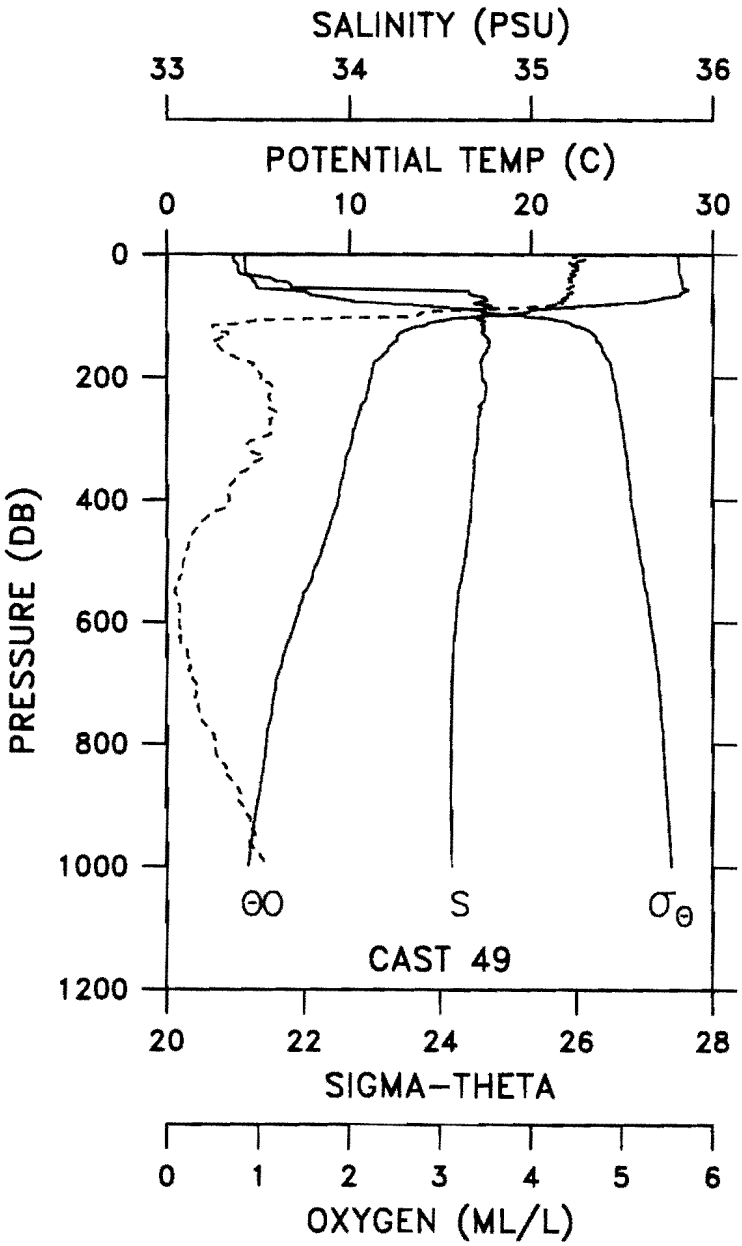
CAST EP2-87-OC -048 DATE 31 OCT 87 TIME 0233 GMT
LAT 05 01.7N LONG 109 57.8W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 154 T SPD 04 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 27.3 WET 25.4 DEPTH 3886 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.504	34.036	4.33	21.507	0.000
10	28.488	34.028	4.38	21.507	0.063
20	28.351	34.008	4.27	21.537	0.126
30	28.365	34.036	4.36	21.552	0.188
40	28.374	34.071	4.51	21.576	0.251
50	28.351	34.071	4.40	21.583	0.313
60	28.338	34.073	4.43	21.589	0.375
70	28.453	34.236	4.48	21.674	0.437
80	27.244	34.776	4.41	22.473	0.495
90	23.840	34.838	3.79	23.568	0.544
100	19.301	34.800	3.30	24.793	0.583
110	16.409	34.687	2.29	25.413	0.611
120	14.157	34.677	1.09	25.905	0.635
130	13.469	34.676	1.32	26.047	0.655
140	12.429	34.620	1.61	26.212	0.674
150	12.169	34.697	1.80	26.322	0.692
160	11.810	34.685	1.12	26.381	0.709
170	11.224	34.634	1.52	26.451	0.726
180	11.125	34.706	2.24	26.524	0.741
190	11.153	34.743	2.24	26.548	0.757
199	11.138	34.749	2.19	26.556	0.770

CAST EP2-87-OC -049 DATE 31 OCT 87 TIME 0744 GMT

LAT 06 00.3N LONG 109 59.9W



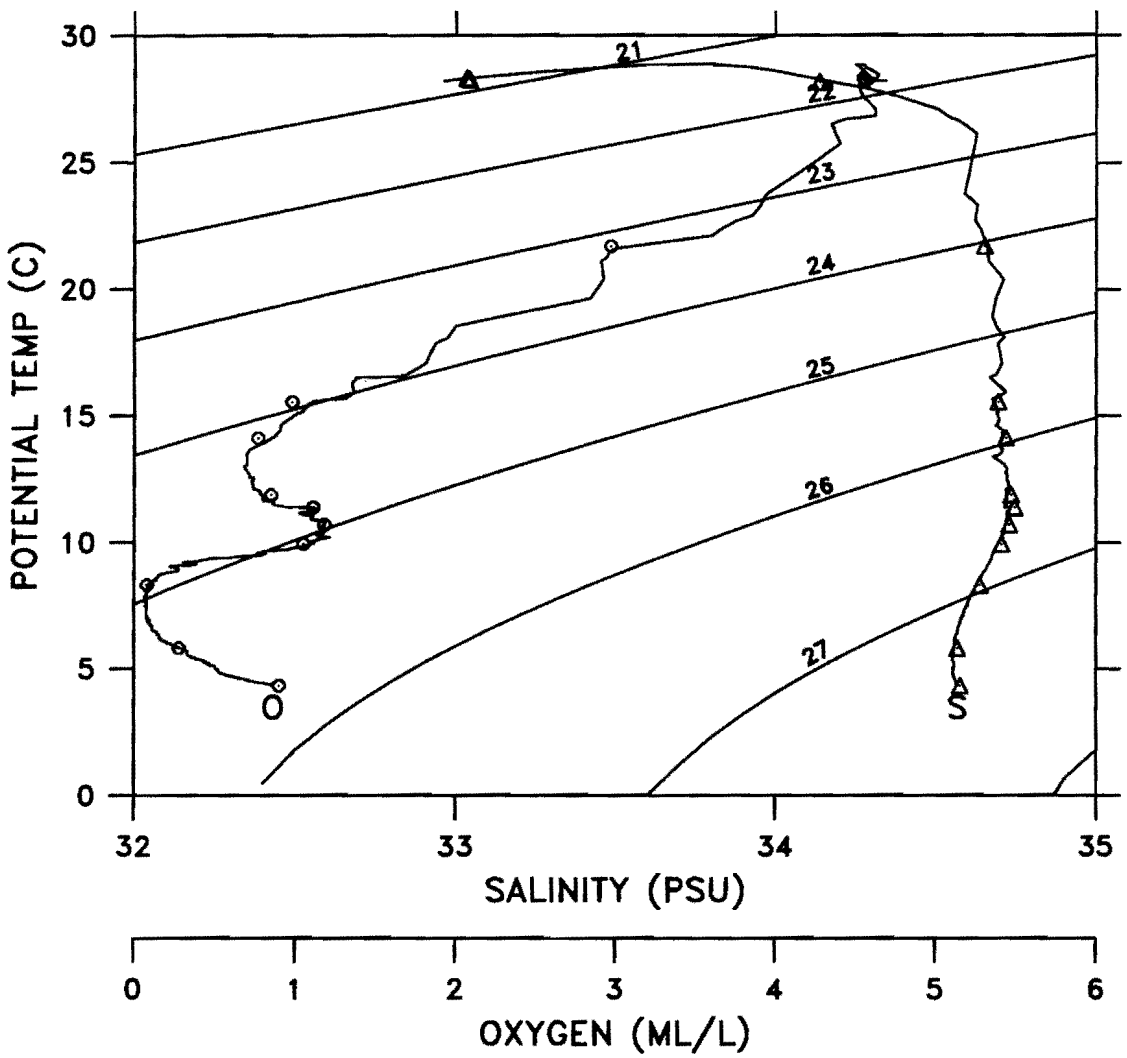


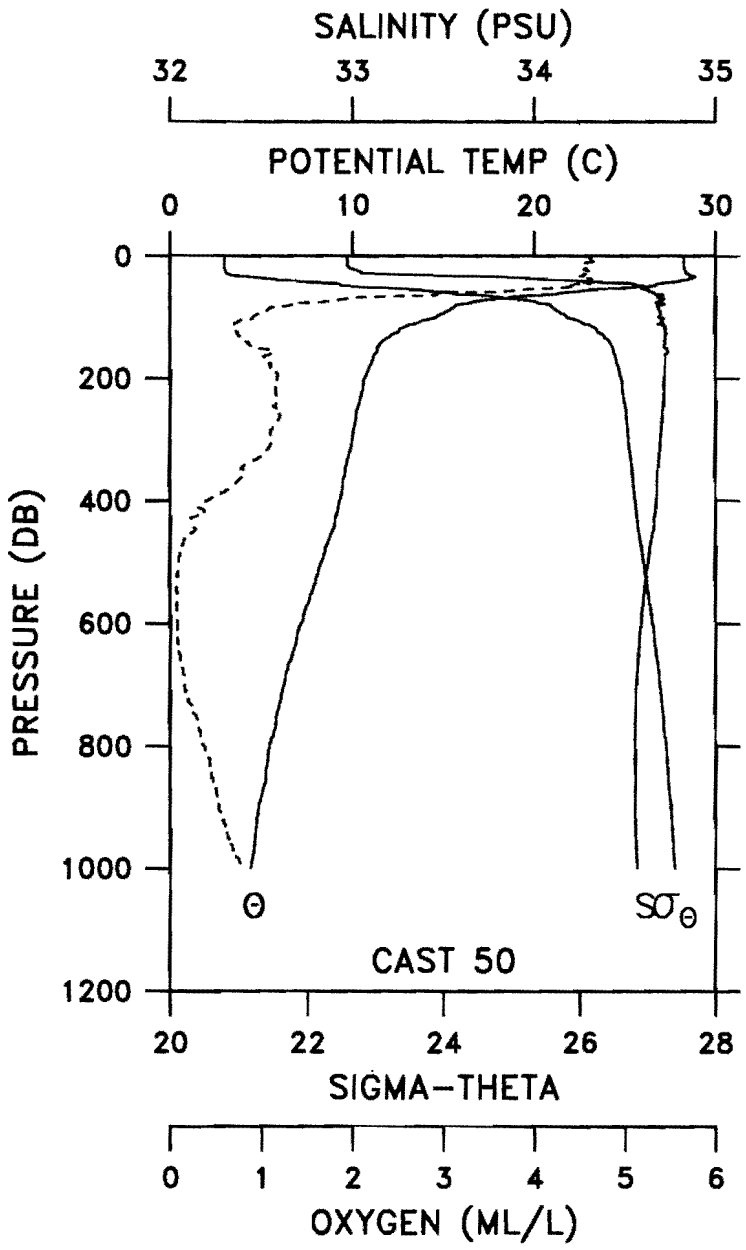
CAST EP2-87-OC -049 DATE 31 OCT 87 TIME 0744 GMT
LAT 06 00.3N LONG 109 59.9W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 150 T SPD 04 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 27.0 WET 25.0 DEPTH 3682 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.086	33.361	4.50	21.137	0.000
10	28.102	33.364	4.56	21.134	0.066
20	28.135	33.388	4.52	21.141	0.133
30	28.137	33.394	4.46	21.145	0.199
40	28.259	33.579	4.43	21.244	0.265
50	28.307	33.678	4.47	21.303	0.331
60	28.401	34.657	4.44	22.007	0.394
70	27.311	34.741	4.38	22.425	0.451
80	24.515	34.705	4.33	23.266	0.502
90	19.971	34.744	3.22	24.576	0.542
100	17.216	34.714	2.68	25.245	0.574
110	14.551	34.741	0.86	25.871	0.598
120	13.397	34.736	0.52	26.108	0.618
130	12.696	34.735	0.67	26.249	0.637
140	12.611	34.769	0.52	26.292	0.655
150	12.187	34.767	0.56	26.373	0.672
160	11.945	34.748	0.62	26.404	0.688
170	11.634	34.729	0.78	26.448	0.705
180	11.325	34.724	0.93	26.502	0.721
190	11.249	34.729	1.00	26.519	0.736
200	11.193	34.731	1.04	26.531	0.752
250	10.645	34.724	1.12	26.625	0.827
300	10.160	34.707	1.00	26.696	0.898
350	9.728	34.687	0.89	26.754	0.967
400	9.370	34.673	0.68	26.802	1.034
450	8.826	34.655	0.31	26.876	1.099
500	8.260	34.634	0.18	26.948	1.160
550	7.516	34.600	0.09	27.031	1.218
600	7.006	34.586	0.13	27.092	1.272
650	6.447	34.572	0.22	27.157	1.324
700	5.963	34.565	0.32	27.213	1.373
750	5.737	34.563	0.35	27.241	1.419
800	5.426	34.560	0.53	27.276	1.464
900	4.933	34.560	0.82	27.334	1.551
1000	4.441	34.566	1.08	27.394	1.632
1012	4.400	34.567	1.11	27.399	1.642

CAST EP2-87-OC -050 DATE 31 OCT 87 TIME 0116 GMT

LAT 07 00.2N LONG 109 59.4W



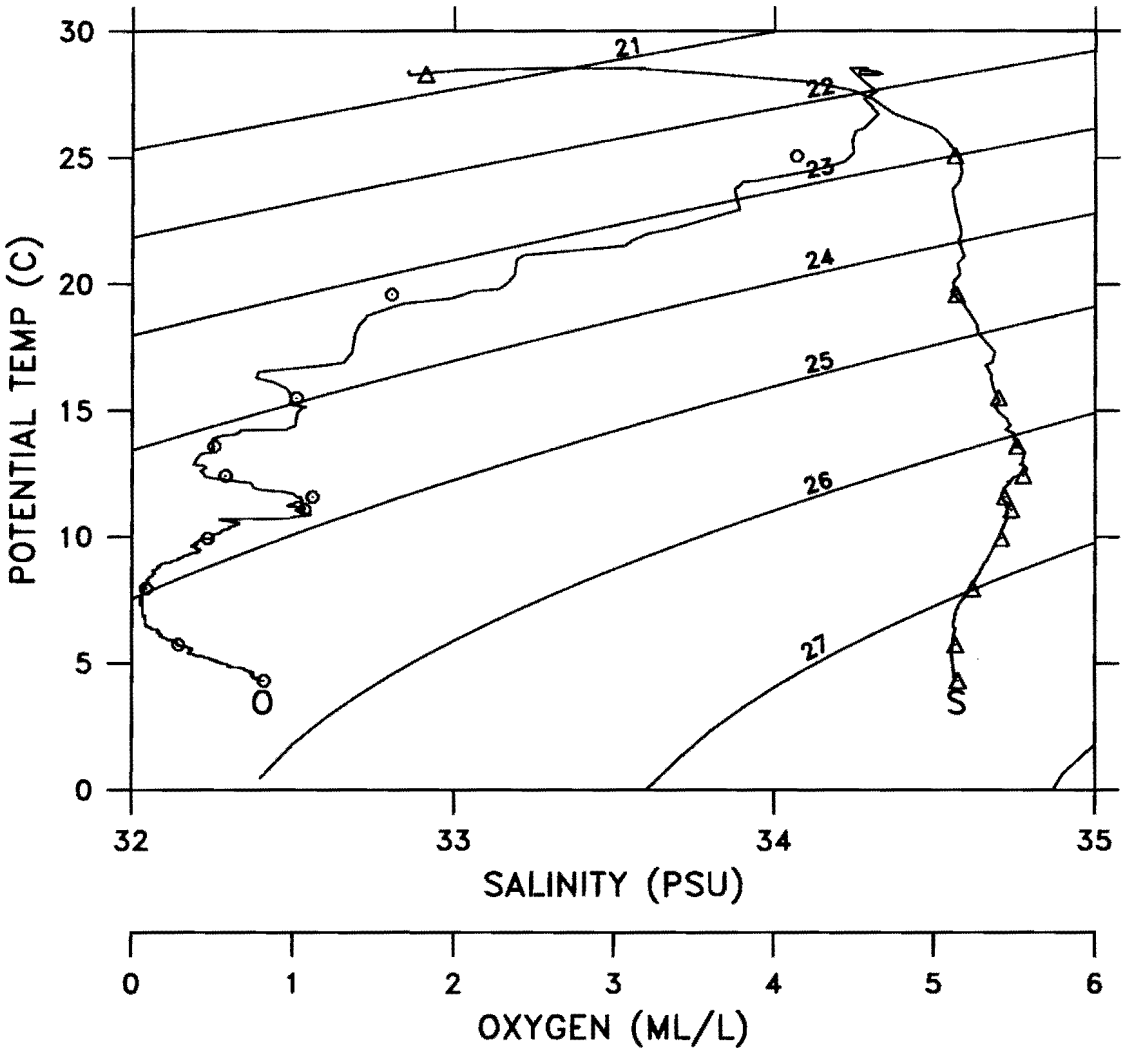


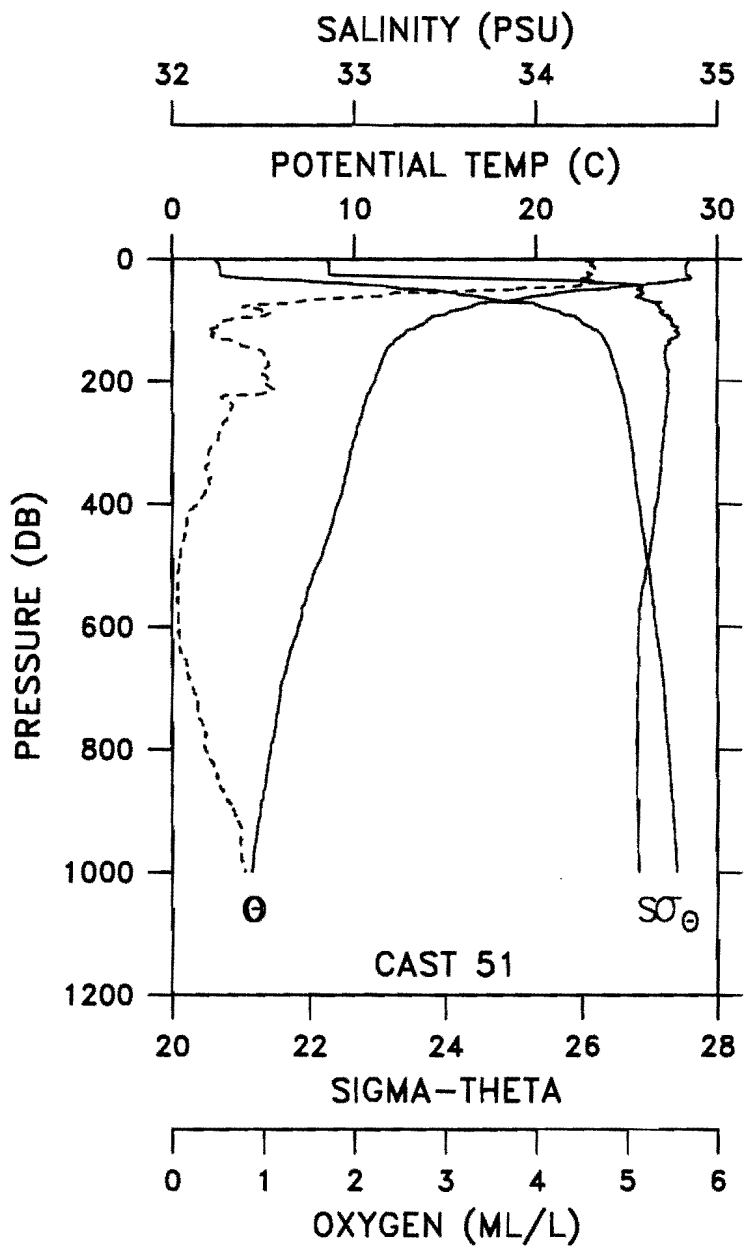
CAST EP2-87-OC -050 DATE 31 OCT 87 TIME 0116 GMT
LAT 07 00.2N LONG 109 59.4W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 125 T SPD 10 KT VISIBILITY 8
CLOUD 8 AMOUNT 6 DRY 27.0 WET 25.5 DEPTH 3724 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.224	32.964	4.59	20.794	0.000
10	28.238	32.971	4.61	20.794	0.070
20	28.269	32.987	4.58	20.797	0.139
30	28.472	33.160	4.55	20.860	0.209
40	28.137	34.196	4.60	21.748	0.275
50	26.140	34.628	4.38	22.711	0.330
60	21.628	34.662	3.01	24.066	0.375
70	18.080	34.714	1.95	25.035	0.409
80	15.758	34.698	1.33	25.571	0.435
90	15.286	34.692	1.06	25.672	0.459
100	14.627	34.688	0.91	25.814	0.482
110	13.553	34.706	0.71	26.053	0.503
120	12.596	34.725	0.72	26.261	0.522
130	12.096	34.720	0.74	26.354	0.539
140	11.642	34.717	0.82	26.437	0.556
150	11.387	34.722	0.97	26.489	0.572
160	11.228	34.728	1.10	26.523	0.587
170	11.102	34.722	1.05	26.541	0.602
180	10.945	34.721	1.11	26.568	0.618
190	10.816	34.720	1.17	26.591	0.633
200	10.675	34.716	1.18	26.613	0.647
250	10.264	34.708	1.17	26.679	0.719
300	9.964	34.695	1.11	26.720	0.789
350	9.585	34.680	0.81	26.772	0.857
400	9.266	34.672	0.40	26.818	0.924
450	8.853	34.653	0.26	26.870	0.988
500	8.257	34.628	0.10	26.943	1.050
550	7.723	34.606	0.08	27.006	1.108
600	7.171	34.588	0.08	27.070	1.164
650	6.698	34.574	0.11	27.125	1.217
700	6.229	34.564	0.16	27.179	1.267
750	5.833	34.559	0.28	27.225	1.315
800	5.448	34.555	0.37	27.269	1.361
900	4.854	34.556	0.53	27.340	1.448
1000	4.402	34.567	0.83	27.399	1.529
1010	4.339	34.568	0.86	27.406	1.537

CAST EP2-87-OC -051 DATE 31 OCT 87 TIME 1839 GMT

LAT 07 59.8N LONG 109 59.9W



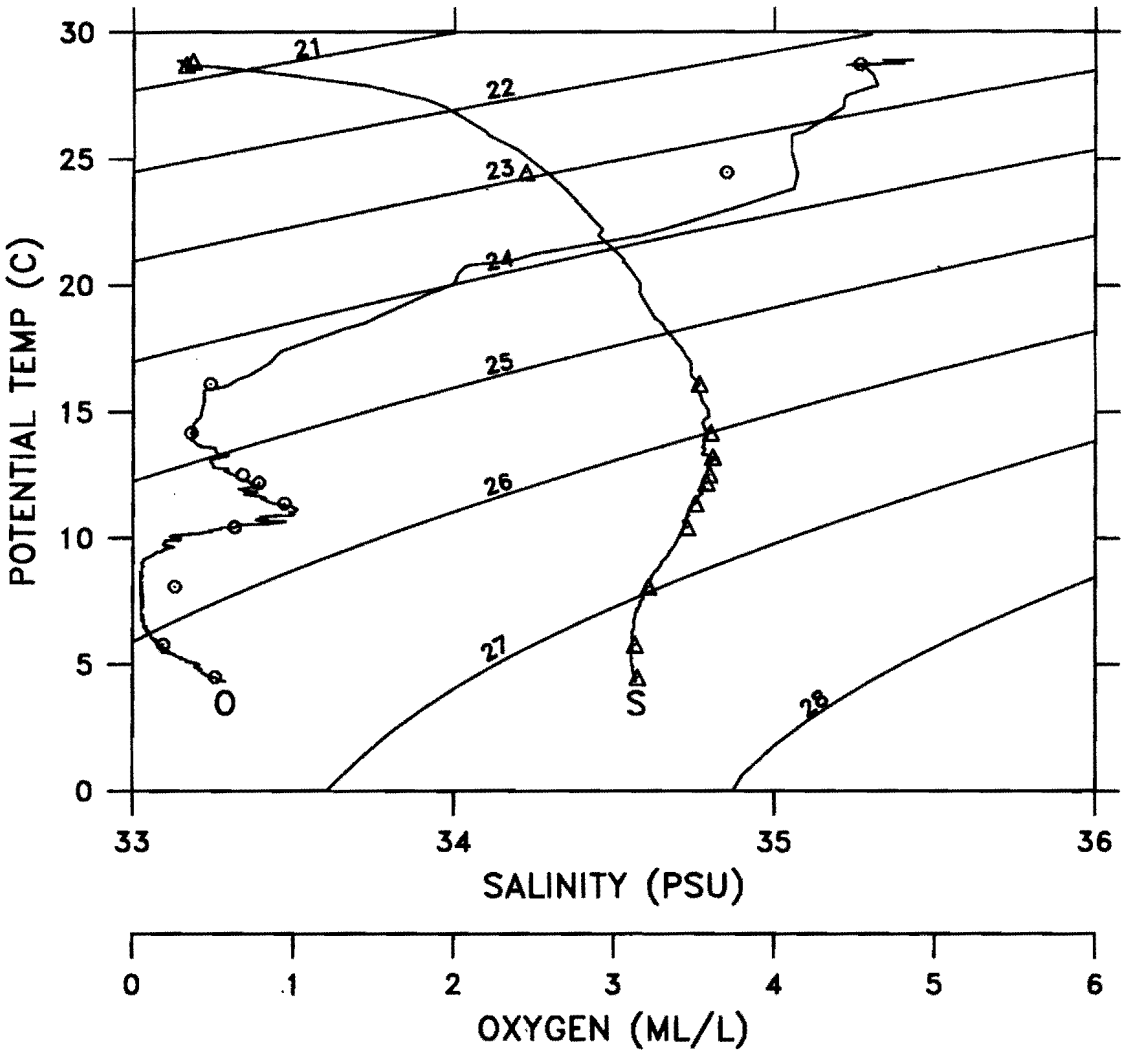


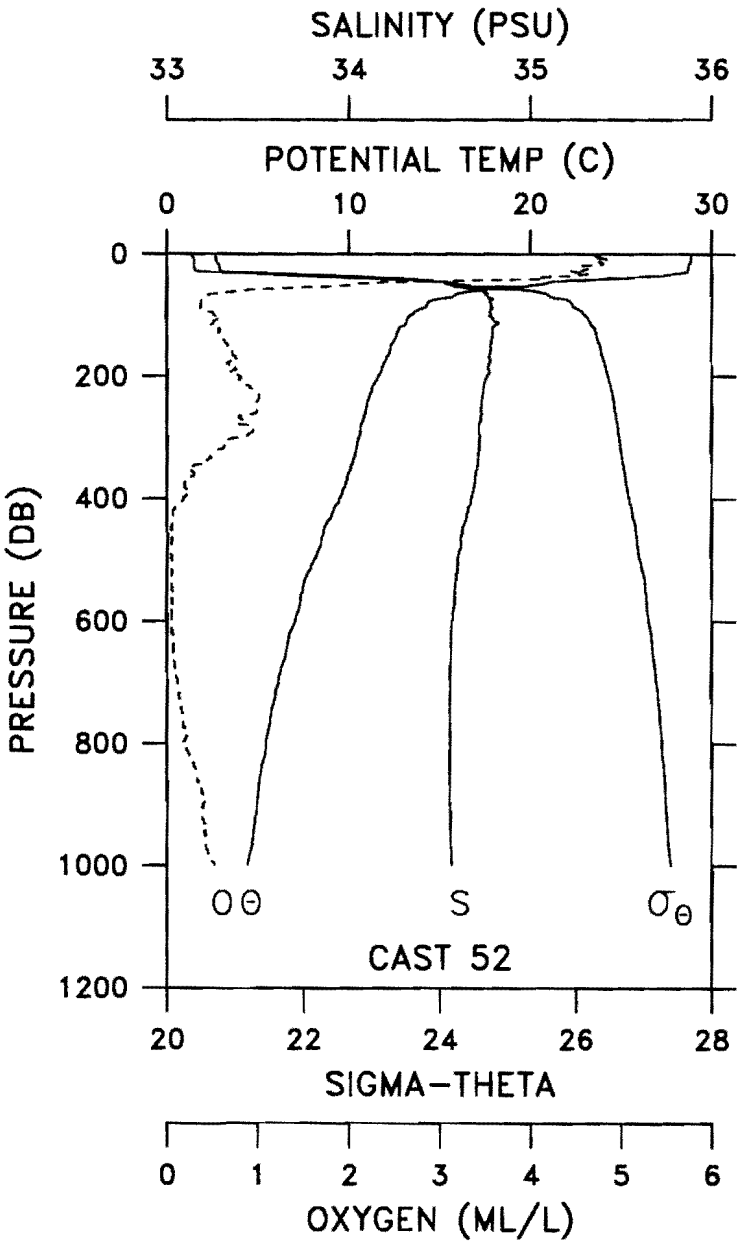
CAST EP2-87-OC -051 DATE 31 OCT 87 TIME 1839 GMT
LAT 07 59.8N LONG 109 59.9W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 085 T SPD 12 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 29.1 WET 26.3 DEPTH 3621 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.433	32.856	4.54	20.645	0.000
10	28.286	32.857	4.60	20.693	0.071
20	28.271	32.859	4.61	20.700	0.142
30	28.530	33.263	4.58	20.918	0.212
40	26.173	34.493	4.56	22.599	0.273
50	22.959	34.565	3.78	23.617	0.321
60	20.077	34.558	2.34	24.405	0.359
70	18.064	34.635	1.38	24.978	0.392
80	16.130	34.679	0.87	25.472	0.419
90	15.037	34.695	1.04	25.730	0.442
100	14.030	34.744	0.60	25.983	0.464
110	13.528	34.767	0.50	26.105	0.484
120	12.808	34.780	0.45	26.261	0.502
130	12.366	34.747	0.47	26.322	0.520
140	12.003	34.723	0.75	26.374	0.537
150	11.729	34.712	0.99	26.417	0.553
160	11.595	34.709	1.02	26.440	0.569
170	11.502	34.713	1.05	26.461	0.586
180	11.360	34.728	1.01	26.499	0.601
190	11.217	34.726	1.02	26.523	0.617
200	11.136	34.728	1.06	26.540	0.632
250	10.440	34.717	0.62	26.655	0.706
300	9.922	34.697	0.48	26.729	0.776
350	9.563	34.684	0.39	26.779	0.844
400	9.066	34.662	0.28	26.844	0.910
450	8.576	34.641	0.14	26.904	0.972
500	7.934	34.611	0.07	26.978	1.032
550	7.356	34.578	0.05	27.036	1.089
600	6.888	34.564	0.08	27.091	1.143
650	6.390	34.566	0.12	27.160	1.195
700	5.926	34.558	0.22	27.213	1.243
750	5.691	34.556	0.30	27.241	1.290
800	5.375	34.553	0.37	27.276	1.336
900	4.823	34.559	0.68	27.346	1.422
1000	4.346	34.566	0.80	27.404	1.501
1007	4.314	34.566	0.81	27.408	1.507

CAST EP2-87-OC -052 DATE 01 NOV 87 TIME 0004 GMT

LAT 09 00.1N LONG 110 00.8W



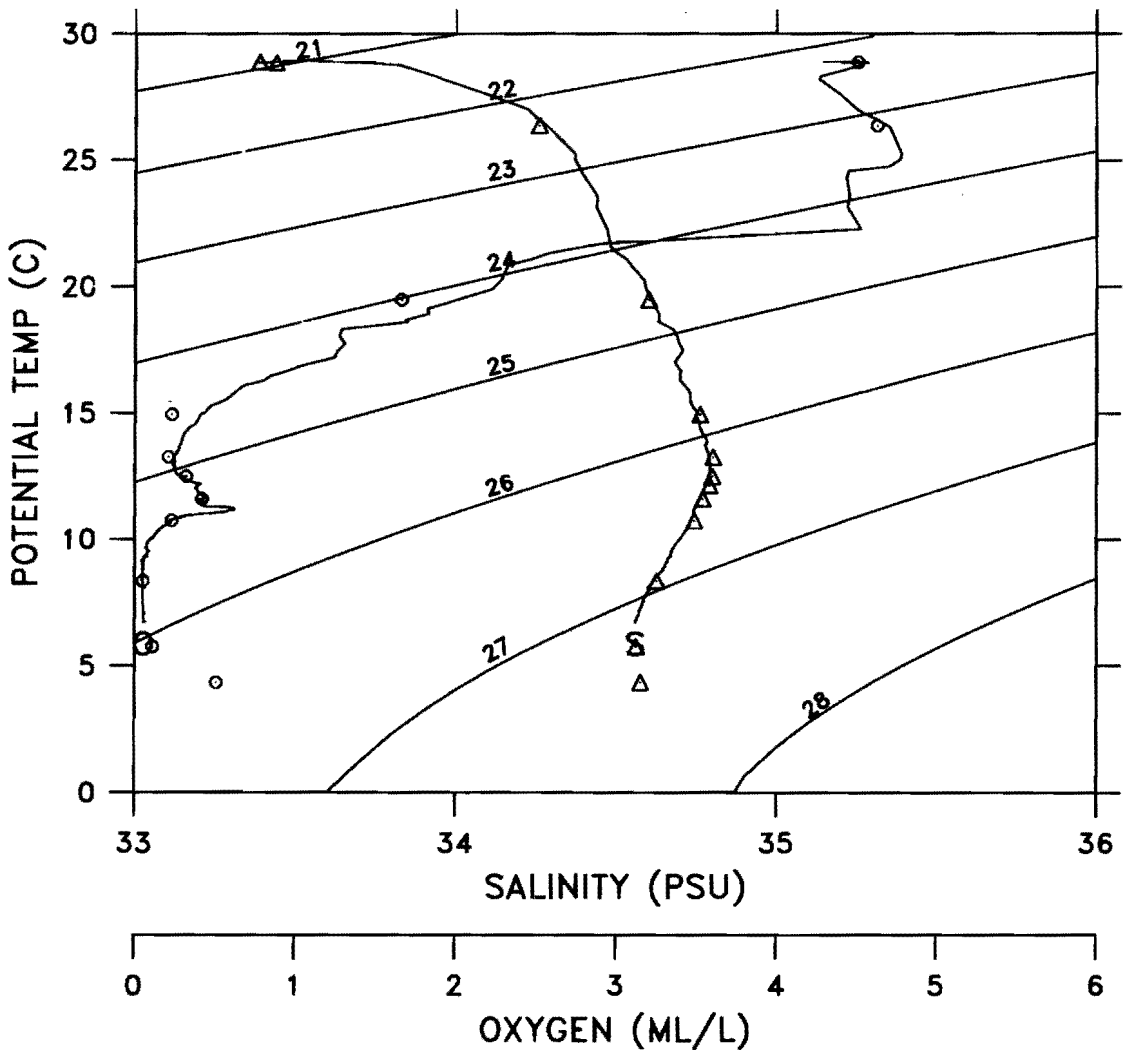


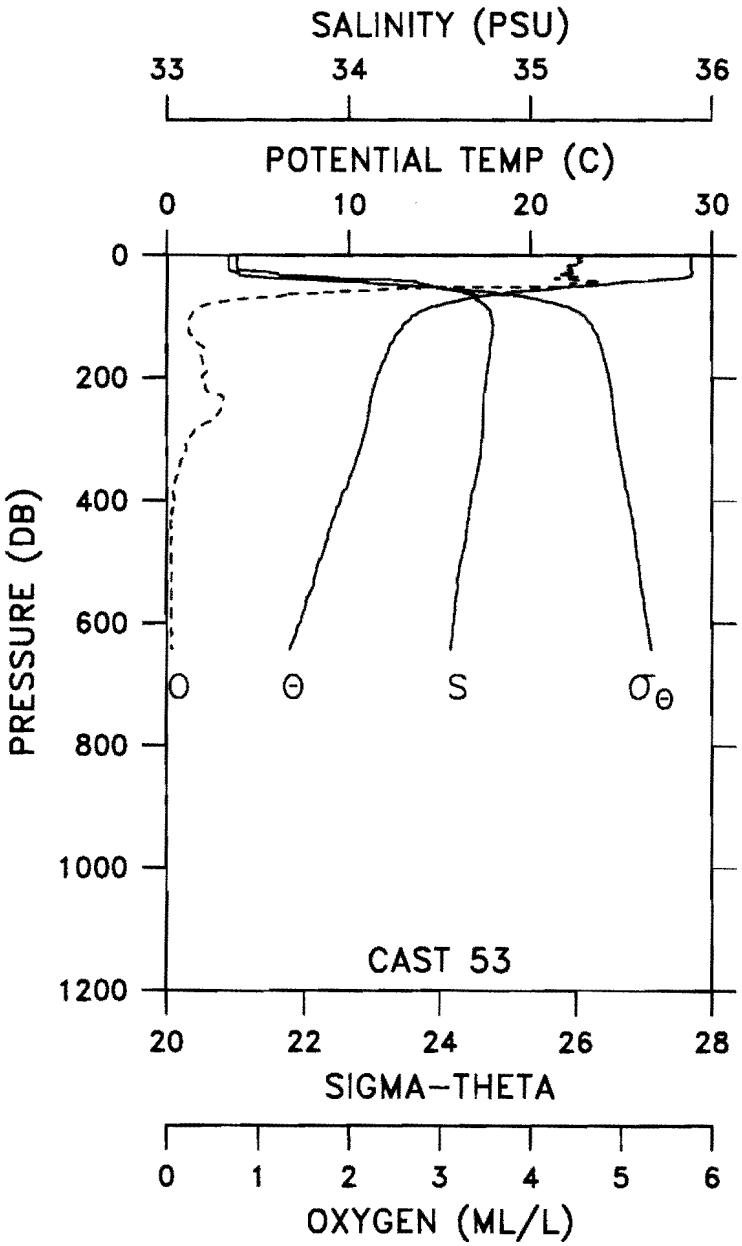
CAST EP2-87-OC -052 DATE 01 NOV 87 TIME 0004 GMT
LAT 09 00.1N LONG 110 00.8W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 070 T SPD 14 KT VISIBILITY 9
CLOUD 8 AMOUNT 4 DRY 29.2 WET 27.2 DEPTH 3895 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.872	33.136	4.68	20.710	0.000
10	28.874	33.149	4.86	20.719	0.070
20	28.722	33.148	4.59	20.769	0.141
30	28.622	33.265	4.56	20.890	0.211
40	24.397	34.294	4.14	22.991	0.270
50	20.506	34.556	2.03	24.290	0.310
60	16.933	34.739	0.85	25.331	0.342
70	15.698	34.767	0.44	25.638	0.366
80	14.373	34.781	0.38	25.940	0.388
90	13.916	34.784	0.36	26.039	0.409
100	13.391	34.777	0.52	26.142	0.428
110	13.195	34.801	0.52	26.200	0.446
120	12.811	34.790	0.50	26.268	0.465
130	12.659	34.790	0.56	26.299	0.482
140	12.534	34.786	0.62	26.320	0.500
150	12.329	34.778	0.68	26.354	0.517
160	12.250	34.779	0.72	26.370	0.534
170	12.081	34.773	0.76	26.398	0.551
180	11.931	34.772	0.68	26.426	0.567
190	11.813	34.771	0.74	26.448	0.583
200	11.634	34.761	0.80	26.473	0.599
250	10.979	34.728	0.98	26.568	0.677
300	10.542	34.719	0.81	26.639	0.752
350	10.109	34.706	0.26	26.704	0.823
400	9.470	34.673	0.18	26.786	0.892
450	8.633	34.625	0.05	26.883	0.957
500	8.092	34.599	0.06	26.945	1.018
550	7.486	34.583	0.05	27.022	1.076
600	7.058	34.569	0.05	27.071	1.131
650	6.566	34.562	0.07	27.133	1.183
700	6.145	34.556	0.11	27.183	1.233
750	5.760	34.556	0.18	27.232	1.281
800	5.471	34.556	0.20	27.268	1.327
900	4.976	34.556	0.40	27.326	1.414
1000	4.428	34.565	0.52	27.395	1.496
1009	4.327	34.566	0.58	27.406	1.503

CAST EP2-87-OC -053 DATE 01 NOV 87 TIME 0631 GMT

LAT 10 02.5N LONG 110 00.9W



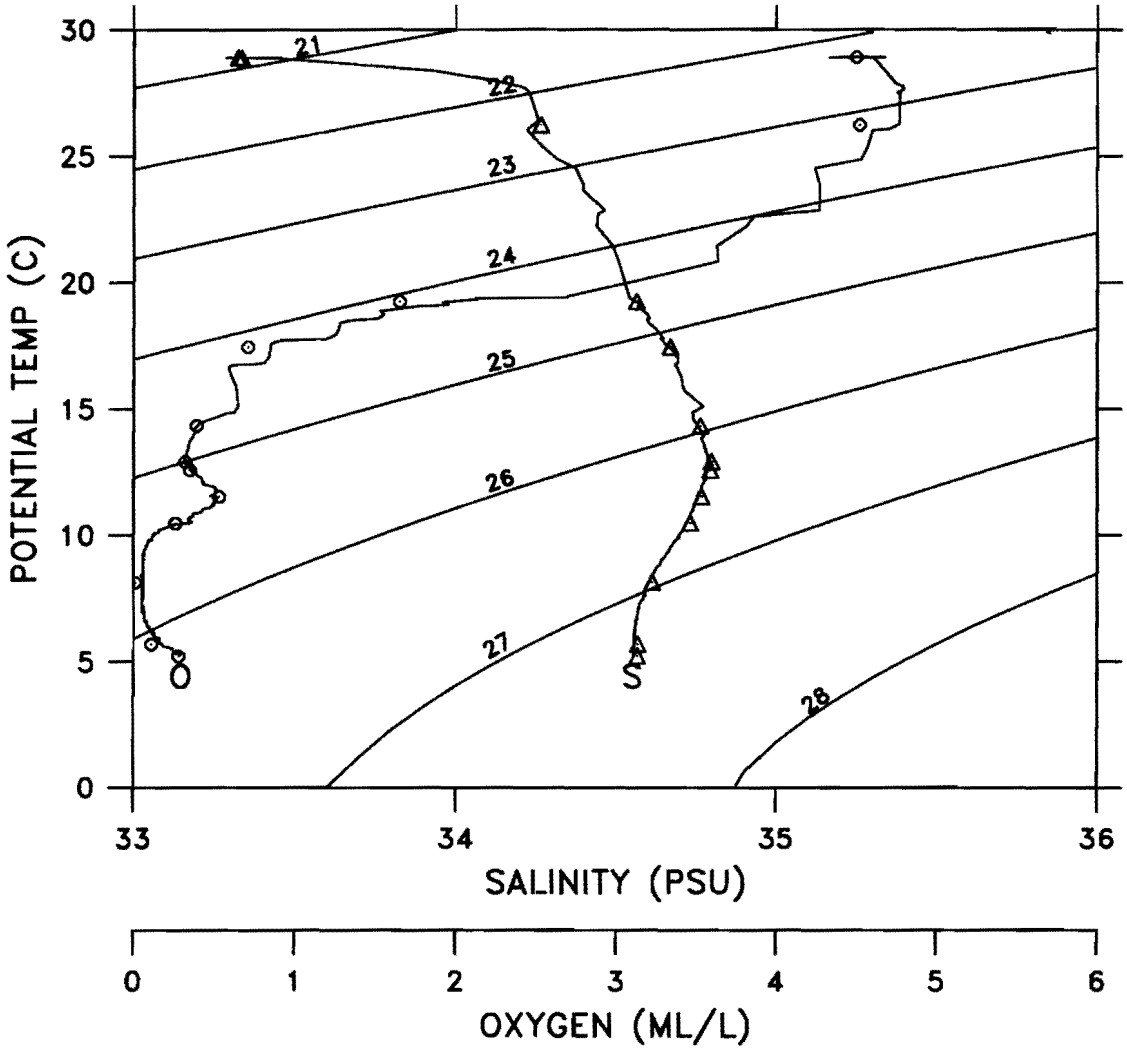


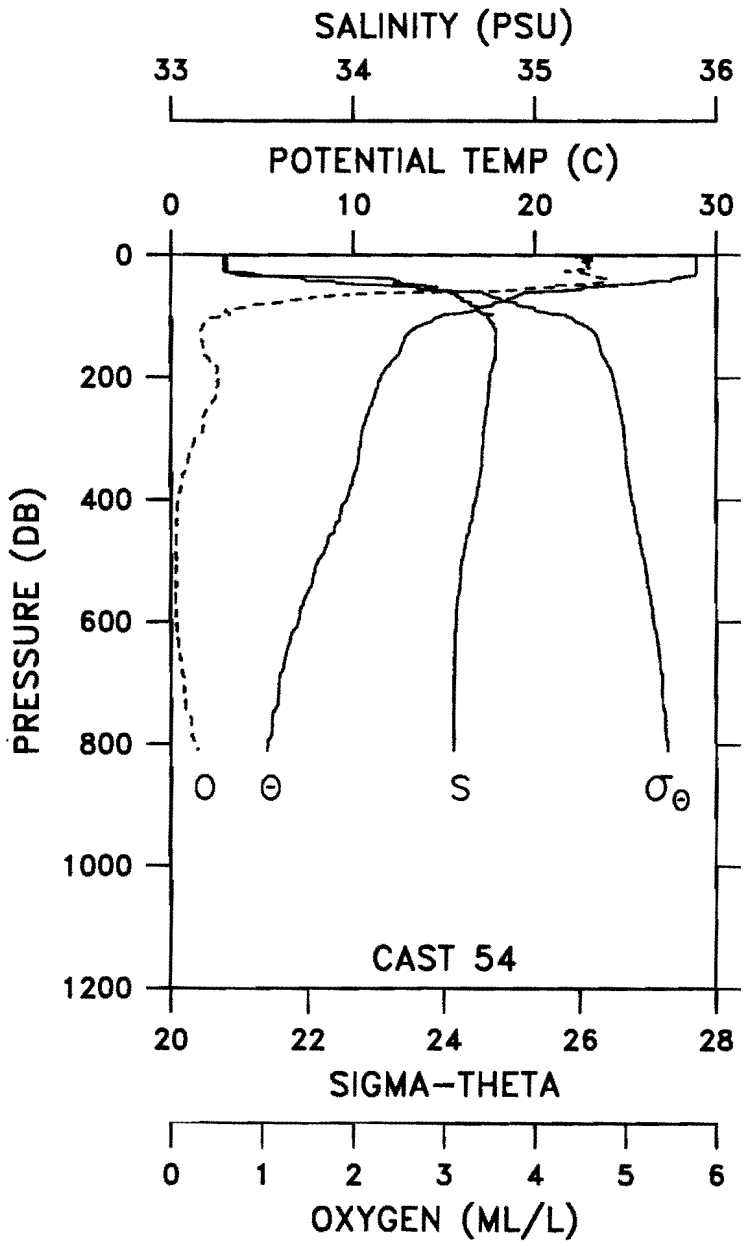
CAST EP2-87-OC -053 DATE 01 NOV 87 TIME 0631 GMT
LAT 10 02.5N LONG 110 00.9W WEATHER 2 SEA STATE 2
BAROMETER 14 WIND DIR 060 T SPD 10 KT VISIBILITY 8
CLOUD 8 AMOUNT 1 DRY 28.0 WET 26.0 DEPTH 3349 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.866	33.387	4.57	20.901	0.000
10	28.851	33.386	4.55	20.904	0.069
20	28.849	33.386	4.46	20.906	0.137
30	28.883	33.610	4.29	21.062	0.206
40	26.991	34.225	4.50	22.139	0.270
50	23.133	34.437	4.44	23.470	0.320
60	18.929	34.633	1.83	24.760	0.358
70	16.661	34.702	0.95	25.366	0.387
80	15.142	34.746	0.45	25.745	0.411
90	14.099	34.778	0.30	25.995	0.432
100	13.447	34.786	0.26	26.137	0.452
110	13.123	34.790	0.24	26.206	0.471
120	12.908	34.793	0.25	26.252	0.489
130	12.563	34.790	0.26	26.318	0.506
140	12.440	34.786	0.31	26.338	0.523
150	12.224	34.777	0.40	26.373	0.540
160	12.114	34.777	0.39	26.395	0.557
170	11.974	34.773	0.39	26.419	0.574
180	11.802	34.766	0.40	26.446	0.590
190	11.675	34.763	0.43	26.467	0.606
200	11.552	34.757	0.39	26.486	0.622
250	11.130	34.742	0.59	26.552	0.700
300	10.765	34.734	0.23	26.611	0.776
350	10.219	34.710	0.13	26.688	0.849
400	9.528	34.673	0.09	26.776	0.918
450	8.871	34.650	0.05	26.865	0.983
500	8.313	34.614	0.05	26.923	1.046
550	7.855	34.595	0.05	26.978	1.106
600	7.278	34.576	0.05	27.046	1.163
642	6.715	34.561	0.05	27.112	1.208

CAST EP2-87-OC -054 DATE 01 NOV 87 TIME 1151 GMT

LAT 10 15.3N LONG 109 15.0W



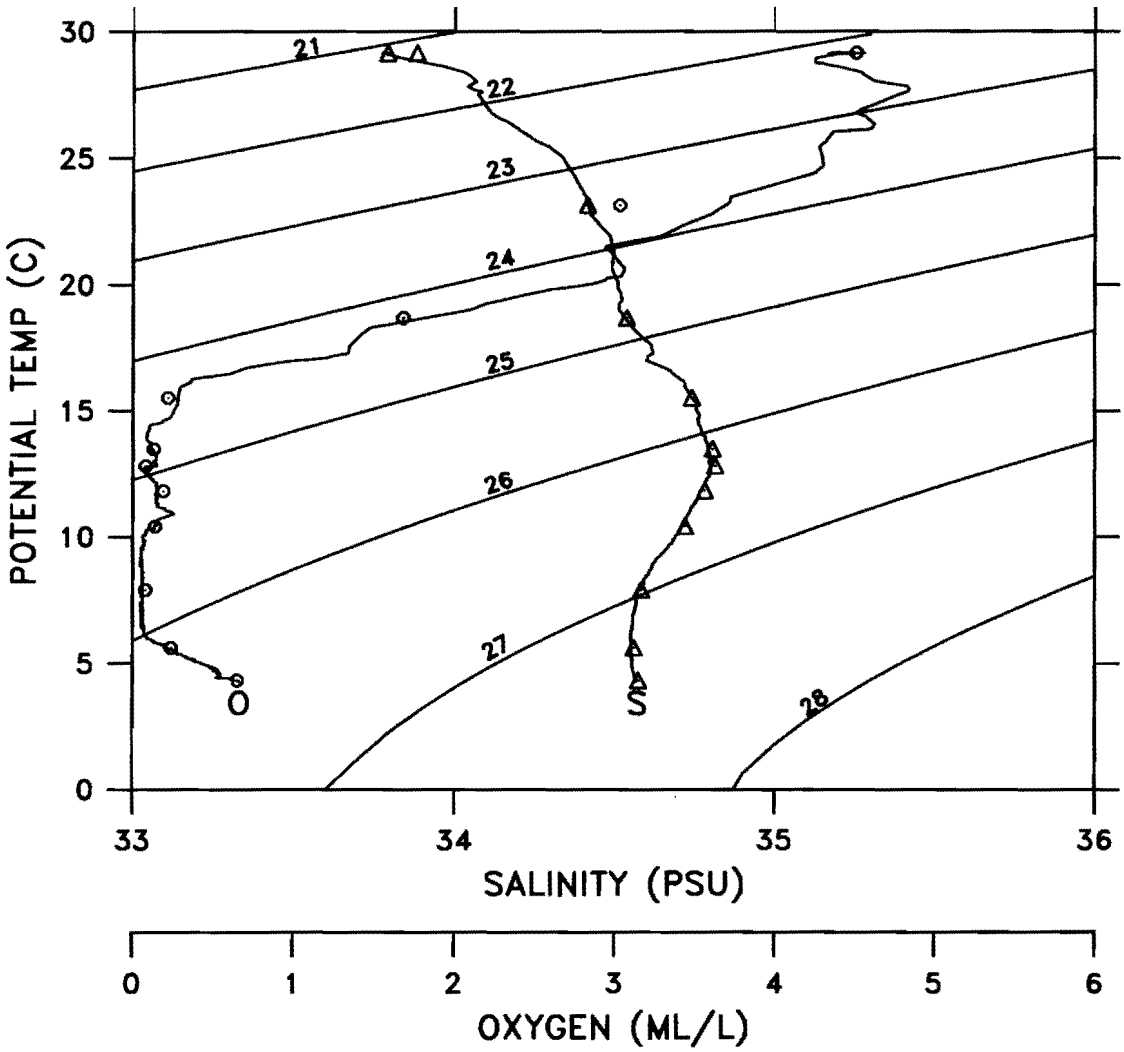


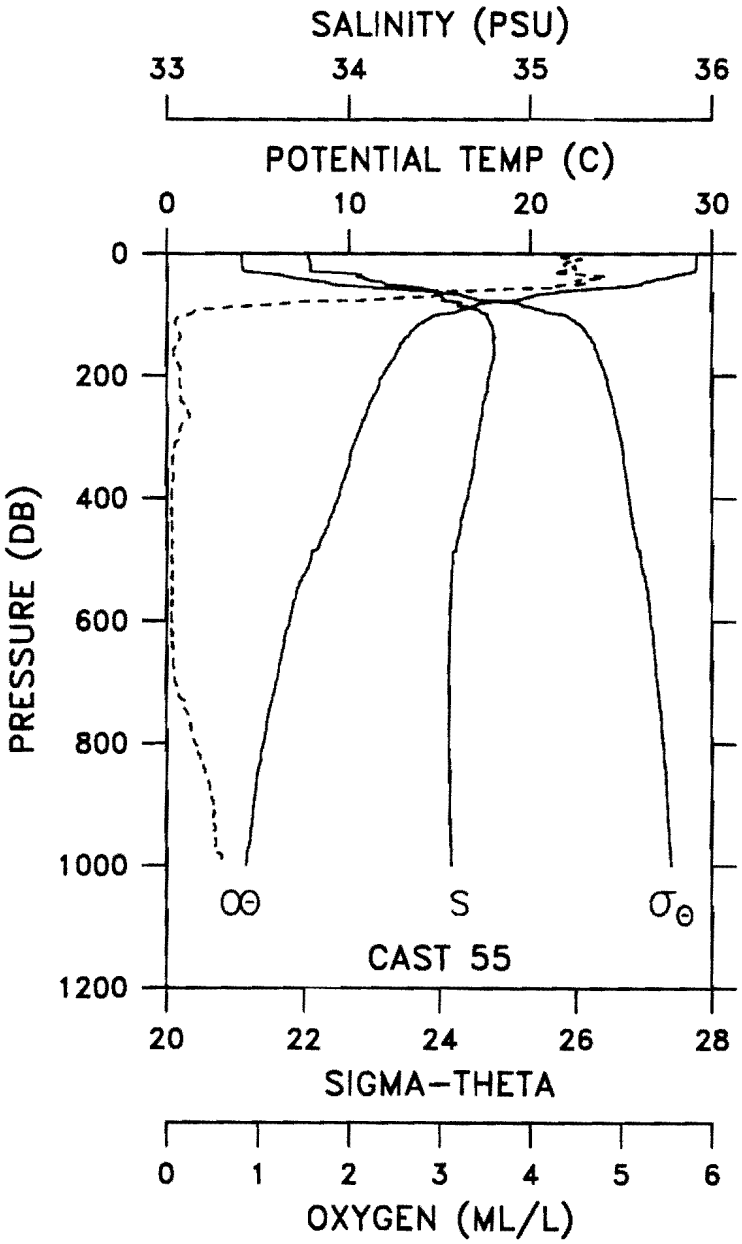
CAST EP2-87-OC -054 DATE 01 NOV 87 TIME 1151 GMT
LAT 10 15.3N LONG 109 15.0W WEATHER 1 SEA STATE 2
BAROMETER 12 WIND DIR 085 T SPD 10 KT VISIBILITY 9
CLOUD 8 AMOUNT 2 DRY 27.6 WET 26.0 DEPTH 0823 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.901	33.288	4.54	20.814	0.000
10	28.900	33.288	4.53	20.815	0.070
20	28.895	33.287	4.60	20.816	0.139
30	28.879	33.453	4.56	20.945	0.208
40	27.502	34.228	4.75	21.977	0.272
50	23.878	34.397	4.27	23.223	0.326
60	20.107	34.523	3.16	24.371	0.368
70	18.730	34.597	1.55	24.783	0.401
80	17.727	34.640	1.02	25.064	0.432
90	16.707	34.684	0.60	25.342	0.460
100	14.828	34.738	0.57	25.808	0.484
110	14.199	34.760	0.37	25.960	0.505
120	13.357	34.781	0.34	26.152	0.525
130	12.980	34.785	0.32	26.231	0.543
140	12.783	34.785	0.33	26.270	0.561
150	12.654	34.785	0.35	26.296	0.579
160	12.550	34.783	0.36	26.315	0.596
170	12.247	34.782	0.42	26.373	0.614
180	11.998	34.770	0.44	26.411	0.630
190	11.699	34.759	0.51	26.460	0.647
200	11.525	34.753	0.49	26.487	0.663
250	10.902	34.735	0.42	26.588	0.740
300	10.432	34.716	0.26	26.656	0.813
350	10.167	34.706	0.16	26.694	0.885
400	9.650	34.674	0.09	26.757	0.955
450	8.974	34.640	0.06	26.841	1.021
500	8.058	34.598	0.05	26.950	1.083
550	7.527	34.584	0.05	27.017	1.141
600	6.988	34.567	0.05	27.079	1.196
650	6.351	34.558	0.10	27.158	1.247
700	5.931	34.554	0.14	27.209	1.296
750	5.582	34.554	0.19	27.253	1.343
800	5.320	34.554	0.28	27.285	1.388
810	5.272	34.555	0.29	27.291	1.397

CAST EP2-87-OC -055 DATE 02 NOV 87 TIME 0408 GMT

LAT 11 00.0N LONG 110 00.5W



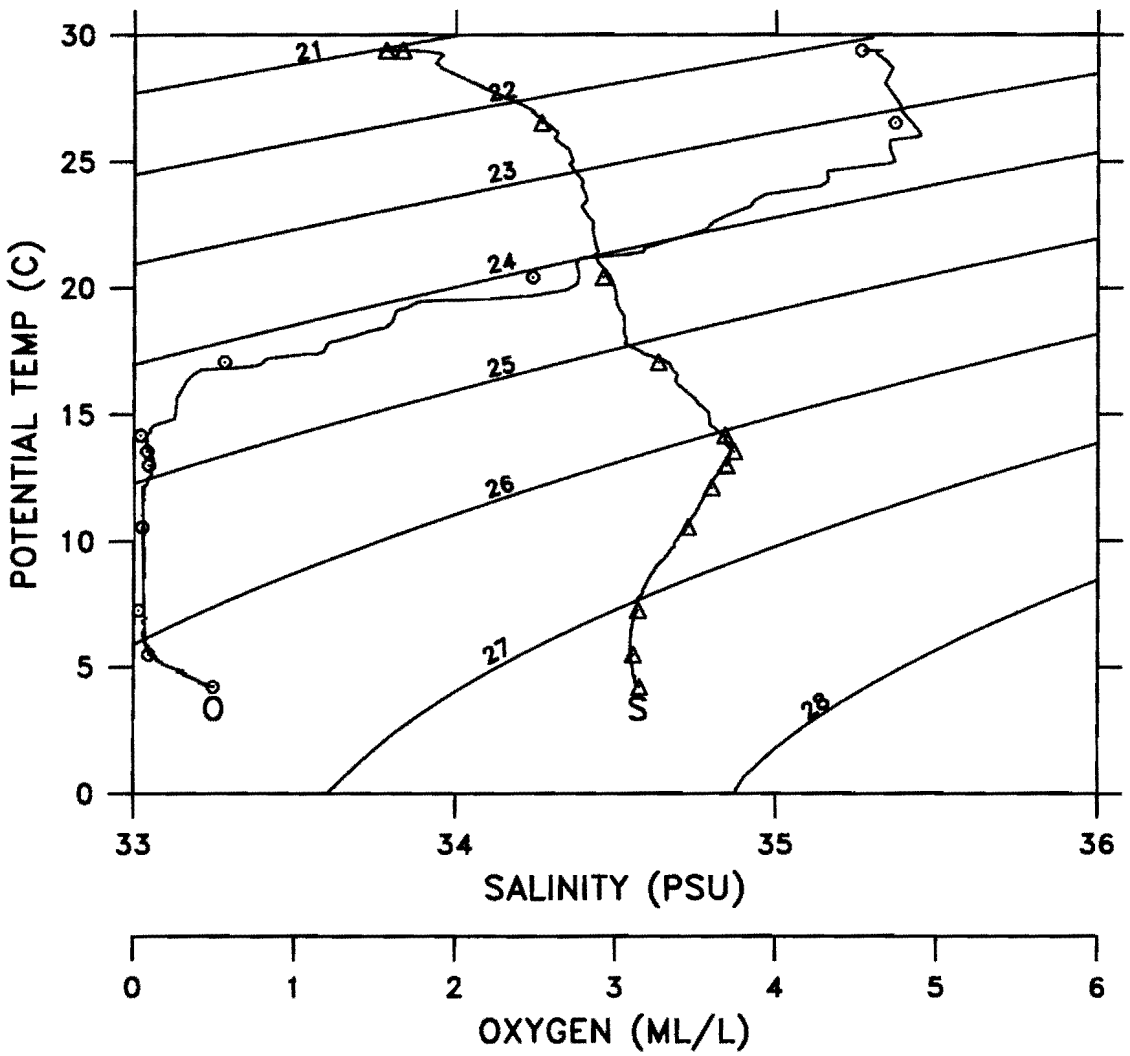


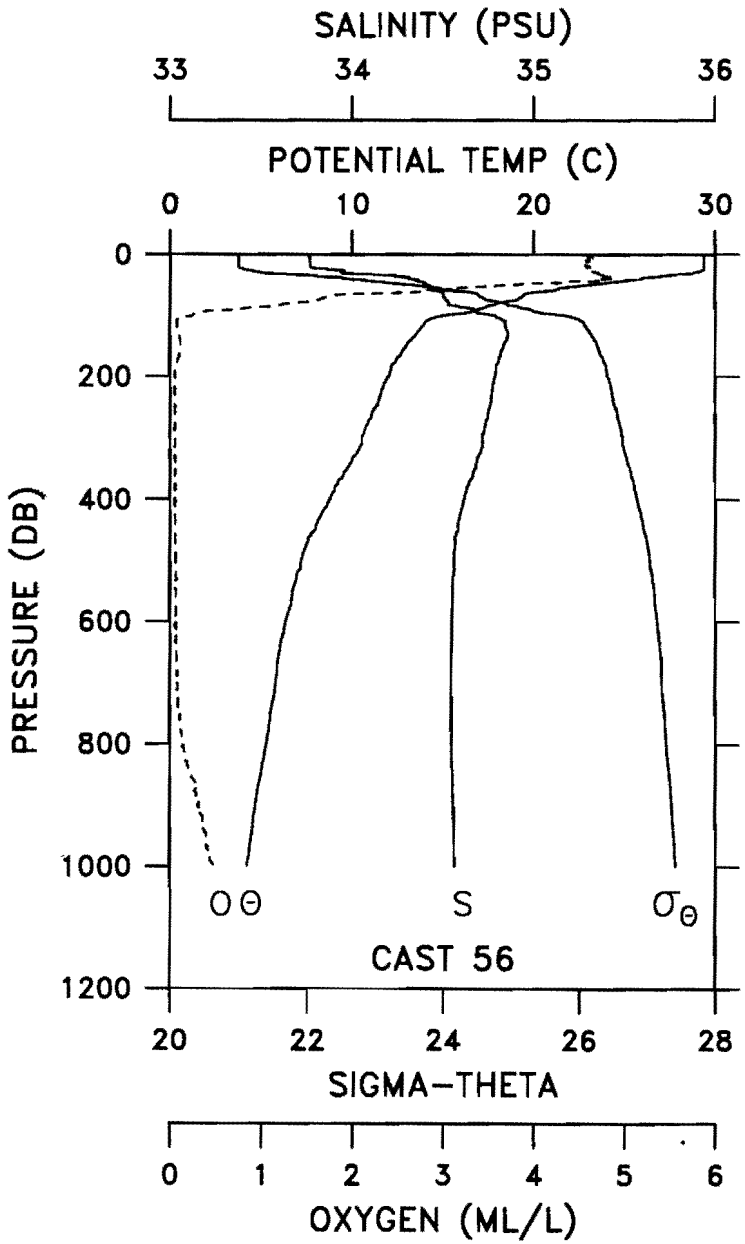
CAST EP2-87-OC -055 DATE 02 NOV 87 TIME 0408 GMT
LAT 11 00.0N LONG 110 00.5W WEATHER 5 SEA STATE 3
BAROMETER 15 WIND DIR 095 T SPD 17 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 27.2 WET 26.5 DEPTH 3591 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.156	33.775	4.45	21.095	0.000
10	29.147	33.780	4.56	21.102	0.067
20	29.156	33.787	4.50	21.104	0.134
30	28.961	33.833	4.26	21.204	0.200
40	27.516	34.072	4.78	21.856	0.262
50	26.115	34.198	4.56	22.395	0.319
60	22.339	34.452	3.42	23.708	0.368
70	20.030	34.511	2.86	24.382	0.406
80	17.594	34.613	1.35	25.075	0.439
90	16.479	34.680	0.61	25.392	0.467
100	14.784	34.765	0.24	25.839	0.491
110	14.148	34.772	0.09	25.980	0.512
120	13.668	34.788	0.11	26.093	0.532
130	13.373	34.793	0.14	26.158	0.551
140	13.040	34.795	0.14	26.227	0.570
150	12.811	34.798	0.12	26.275	0.588
160	12.650	34.799	0.07	26.307	0.605
170	12.529	34.795	0.09	26.328	0.623
180	12.267	34.786	0.13	26.372	0.640
190	12.034	34.779	0.15	26.411	0.656
200	11.861	34.773	0.16	26.440	0.673
250	11.112	34.737	0.19	26.551	0.752
300	10.435	34.710	0.14	26.650	0.827
350	9.959	34.686	0.06	26.714	0.898
400	9.400	34.651	0.06	26.781	0.966
450	8.746	34.613	0.06	26.856	1.031
500	7.900	34.573	0.06	26.954	1.093
550	7.142	34.562	0.05	27.054	1.150
600	6.749	34.556	0.05	27.104	1.203
650	6.331	34.553	0.07	27.157	1.254
700	5.981	34.550	0.09	27.200	1.303
750	5.585	34.551	0.23	27.250	1.350
800	5.302	34.552	0.32	27.285	1.395
900	4.789	34.556	0.52	27.348	1.480
1000	4.339	34.565	0.63	27.405	1.560
1010	4.287	34.566	0.66	27.411	1.567

CAST EP2-87-OC -056 DATE 02 NOV 87 TIME 0956 GMT

LAT 12 00.7N LONG 110 01.8W



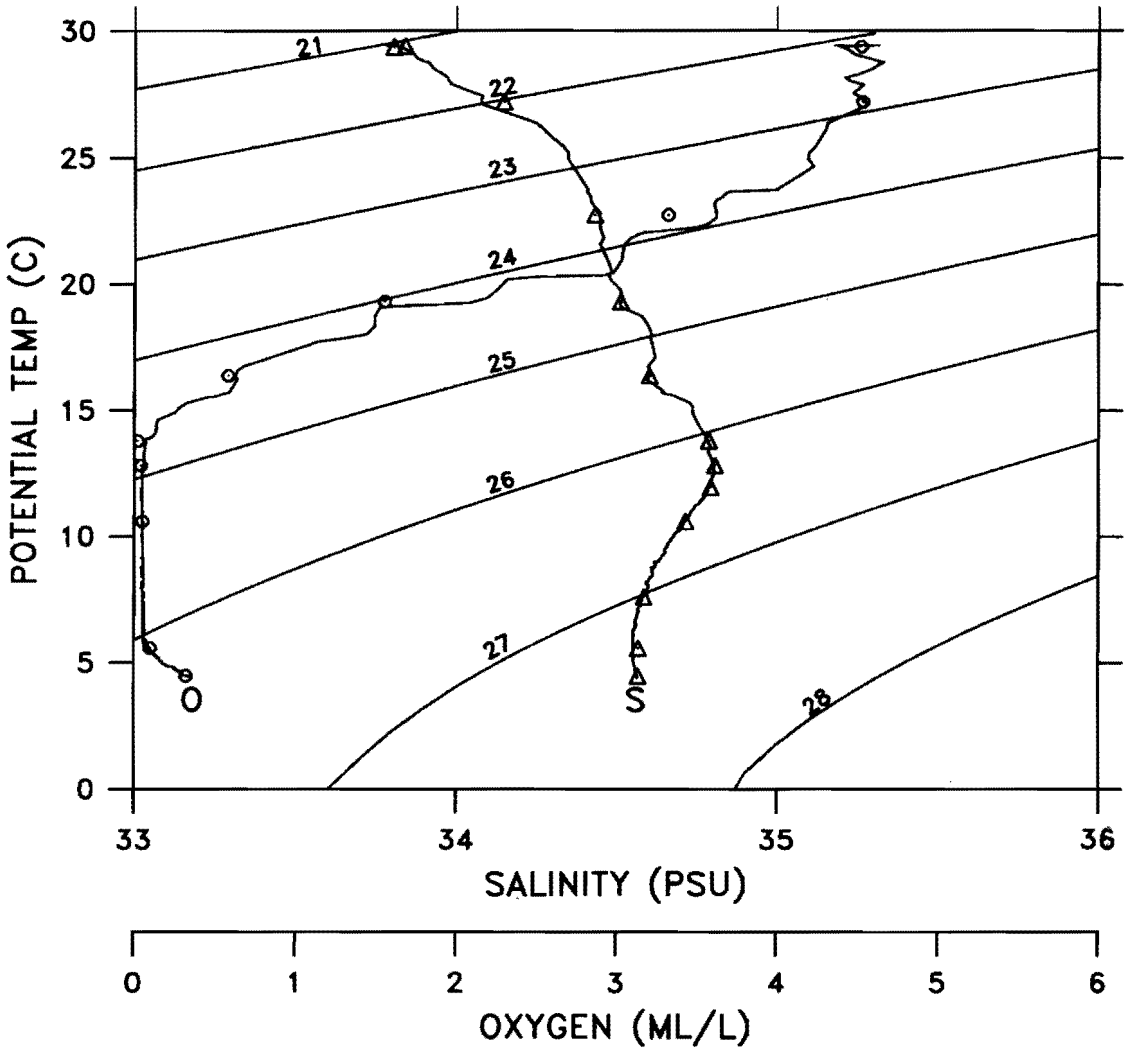


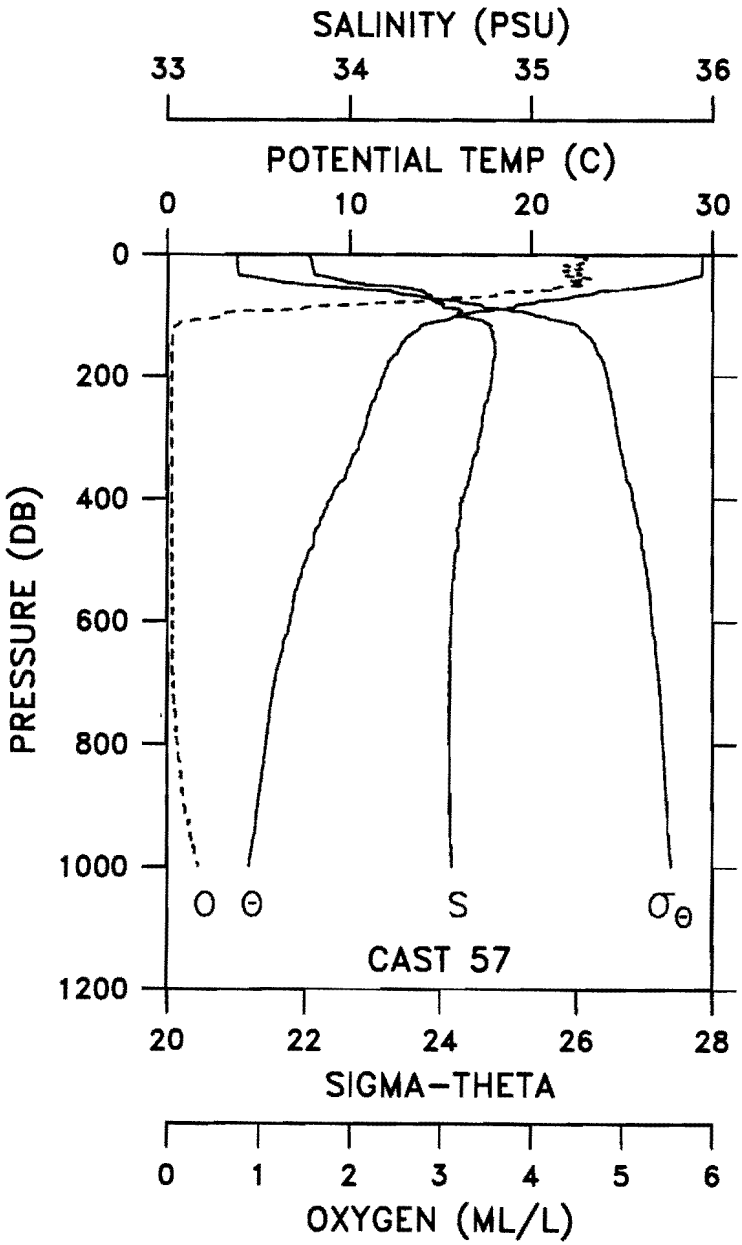
CAST EP2-87-OC -056 DATE 02 NOV 87 TIME 0956 GMT
LAT 12 00.7N LONG 110 01.8W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 160 T SPD 10 KT VISIBILITY 8
CLOUD 8 AMOUNT 6 DRY 27.5 WET 26.5 DEPTH 2861 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.390	33.764	4.60	21.008	0.000
10	29.388	33.767	4.59	21.011	0.068
20	29.391	33.767	4.62	21.010	0.135
30	28.823	33.944	4.70	21.333	0.202
40	25.824	34.313	4.71	22.571	0.259
50	22.817	34.414	3.67	23.543	0.307
60	20.537	34.477	2.77	24.222	0.348
70	19.291	34.506	1.71	24.570	0.382
80	17.993	34.532	1.30	24.916	0.415
90	16.914	34.671	0.75	25.283	0.444
100	15.091	34.789	0.26	25.790	0.469
110	14.050	34.844	0.08	26.057	0.490
120	13.816	34.844	0.07	26.105	0.510
130	13.546	34.859	0.09	26.173	0.529
140	13.270	34.853	0.12	26.225	0.547
150	12.999	34.835	0.11	26.266	0.565
160	12.759	34.821	0.10	26.303	0.583
170	12.477	34.809	0.09	26.349	0.600
180	12.218	34.796	0.08	26.389	0.617
190	12.128	34.792	0.06	26.403	0.634
200	12.020	34.788	0.05	26.421	0.650
250	11.318	34.758	0.06	26.529	0.730
300	10.547	34.717	0.05	26.637	0.806
350	9.715	34.676	0.05	26.748	0.877
400	8.756	34.620	0.06	26.859	0.943
450	7.968	34.585	0.06	26.953	1.004
500	7.205	34.560	0.06	27.044	1.060
550	6.725	34.552	0.07	27.104	1.113
600	6.337	34.548	0.07	27.152	1.164
650	5.989	34.546	0.07	27.196	1.213
700	5.792	34.545	0.07	27.220	1.260
750	5.504	34.546	0.11	27.256	1.306
800	5.292	34.547	0.14	27.282	1.351
900	4.685	34.557	0.33	27.360	1.436
1000	4.238	34.565	0.48	27.415	1.514
1010	4.212	34.566	0.49	27.419	1.522

CAST EP2-87-OC -057 DATE 02 NOV 87 TIME 1607 GMT

LAT 12 59.8N LONG 109 59.9W



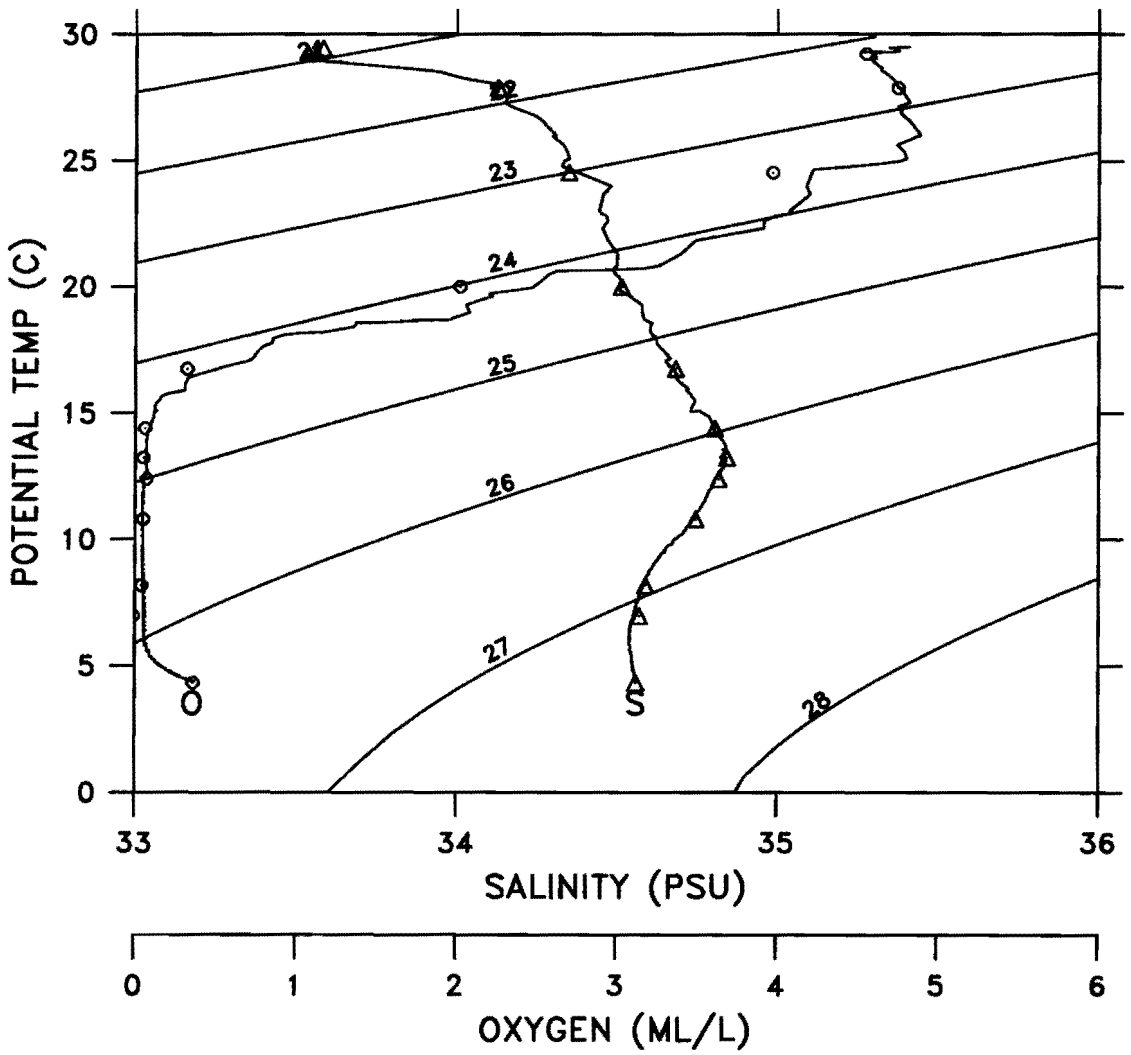


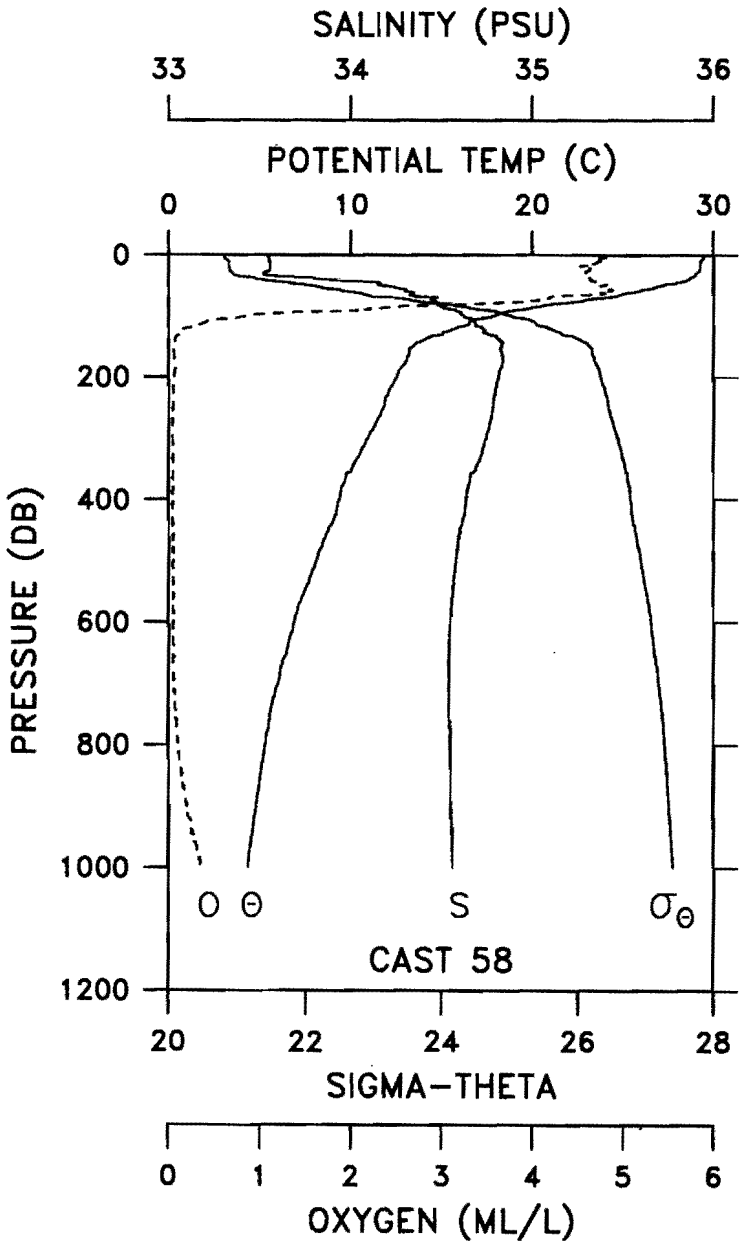
CAST EP2-87-OC -057 DATE 02 NOV 87 TIME 1607 GMT
LAT 12 59.8N LONG 109 59.9W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 095 T SPD 14 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 29.0 WET 26.0 DEPTH 3183 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.415	33.781	4.58	21.012	0.000
10	29.414	33.789	4.60	21.019	0.068
20	29.411	33.796	4.48	21.025	0.135
30	29.405	33.805	4.53	21.034	0.203
40	28.511	33.924	4.59	21.421	0.269
50	27.077	34.081	4.56	22.004	0.330
60	23.711	34.409	4.00	23.281	0.382
70	22.127	34.450	3.33	23.766	0.426
80	19.781	34.511	2.25	24.447	0.465
90	17.990	34.608	1.44	24.976	0.498
100	16.233	34.592	0.64	25.381	0.525
110	14.766	34.741	0.20	25.824	0.549
120	13.850	34.778	0.07	26.047	0.569
130	13.426	34.785	0.07	26.141	0.589
140	13.046	34.795	0.06	26.225	0.608
150	12.816	34.799	0.05	26.274	0.625
160	12.670	34.800	0.05	26.304	0.643
170	12.319	34.797	0.05	26.371	0.660
180	12.114	34.789	0.05	26.404	0.677
190	11.972	34.786	0.05	26.429	0.694
200	11.878	34.785	0.05	26.446	0.710
250	11.147	34.743	0.05	26.549	0.789
300	10.637	34.714	0.05	26.619	0.865
350	9.875	34.669	0.05	26.715	0.937
400	8.963	34.618	0.06	26.825	1.004
450	8.113	34.591	0.06	26.936	1.066
500	7.613	34.581	0.06	27.002	1.125
550	7.008	34.570	0.06	27.079	1.180
600	6.722	34.559	0.05	27.110	1.233
650	6.270	34.553	0.05	27.165	1.283
700	5.838	34.551	0.07	27.219	1.331
750	5.582	34.550	0.09	27.250	1.378
800	5.397	34.551	0.12	27.273	1.423
900	4.943	34.554	0.18	27.328	1.510
1000	4.450	34.564	0.34	27.392	1.592
1010	4.397	34.564	0.36	27.398	1.600

CAST EP2-87-OC -058 DATE 02 NOV 87 TIME 2204 GMT

LAT 14 00.2N LONG 110 00.3W



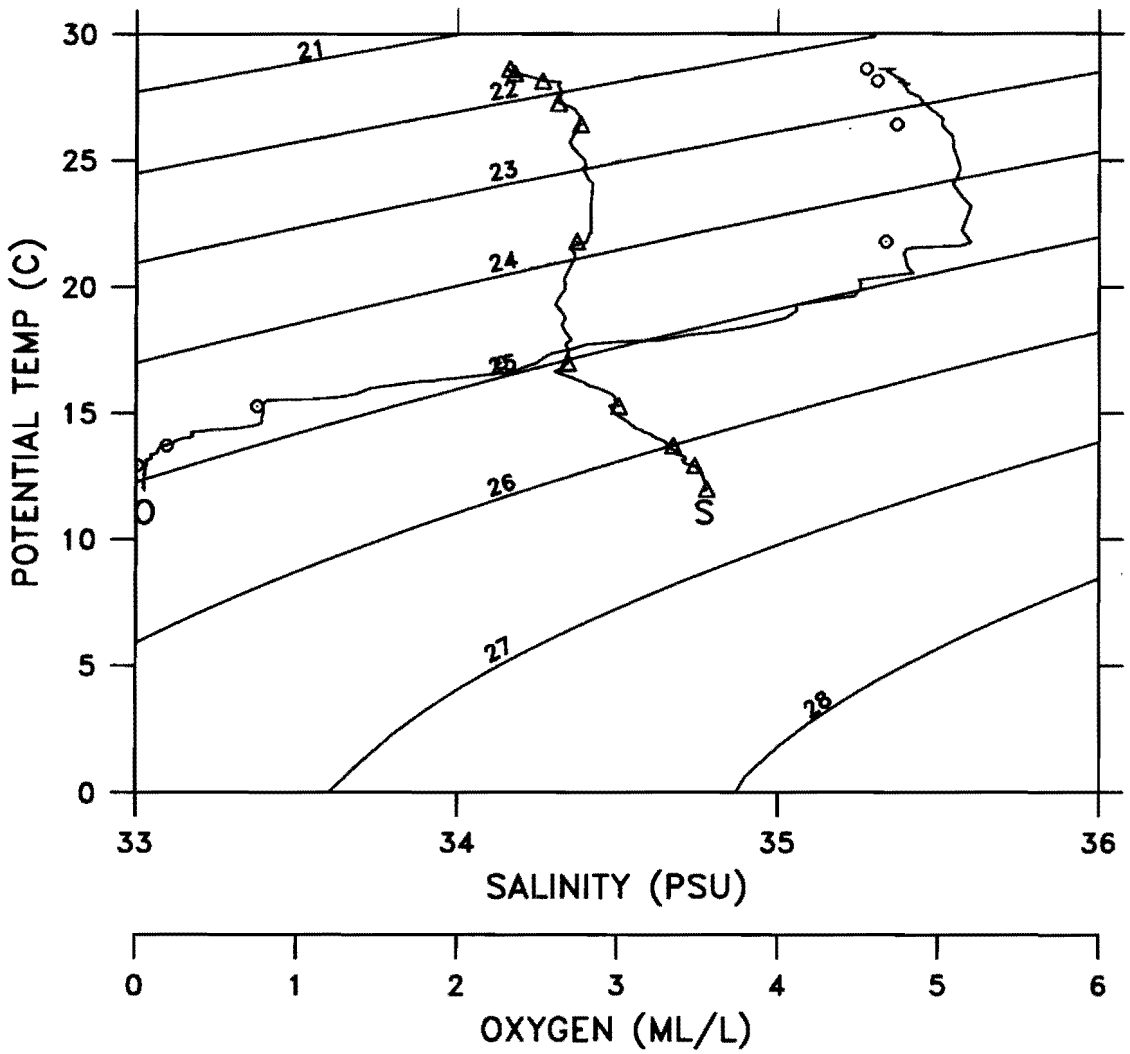


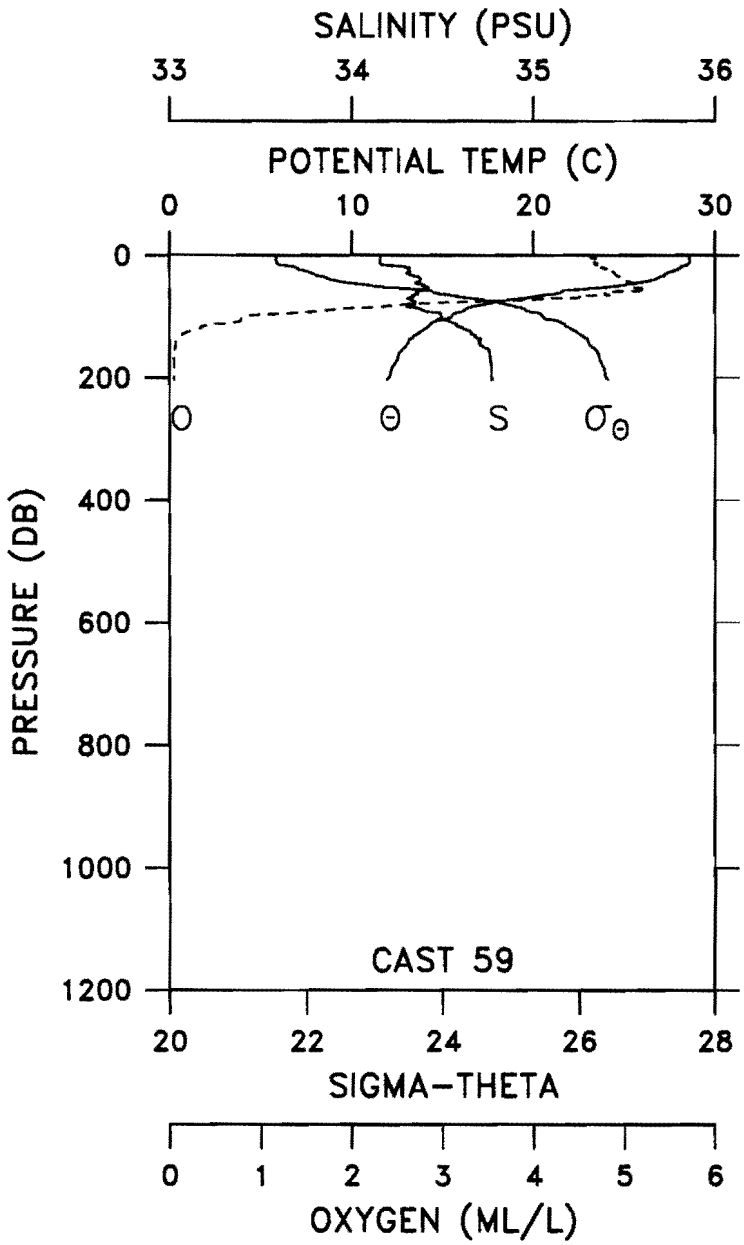
CAST EP2-87-OC -058 DATE 02 NOV 87 TIME 2204 GMT
LAT 14 00.2N LONG 110 00.3W WEATHER 1 SEA STATE 2
BAROMETER 12 WIND DIR 065 T SPD 12 KT VISIBILITY 9
CLOUD 8 AMOUNT 4 DRY 29.3 WET 27.0 DEPTH 3288 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.484	33.547	4.81	20.814	0.000
10	29.315	33.554	4.75	20.876	0.069
20	29.279	33.559	4.64	20.892	0.138
30	29.073	33.521	4.61	20.932	0.207
40	28.665	33.824	4.65	21.295	0.274
50	27.147	34.165	4.75	22.044	0.335
60	25.792	34.315	4.80	22.583	0.390
70	24.000	34.480	4.18	23.250	0.440
80	21.307	34.500	3.40	24.031	0.483
90	19.294	34.576	2.06	24.623	0.520
100	17.846	34.624	0.85	25.023	0.551
110	16.577	34.683	0.41	25.372	0.579
120	15.759	34.727	0.19	25.594	0.604
130	15.082	34.759	0.13	25.769	0.627
140	14.001	34.821	0.07	26.049	0.648
150	13.423	34.834	0.07	26.179	0.668
160	13.240	34.832	0.06	26.215	0.686
170	13.117	34.837	0.06	26.244	0.704
180	12.918	34.834	0.07	26.281	0.722
190	12.665	34.819	0.07	26.320	0.740
200	12.556	34.817	0.06	26.339	0.757
250	11.838	34.782	0.05	26.451	0.841
300	10.932	34.748	0.05	26.592	0.919
350	10.038	34.689	0.05	26.703	0.992
400	9.363	34.636	0.04	26.775	1.061
450	8.759	34.603	0.05	26.846	1.127
500	8.114	34.580	0.05	26.927	1.189
550	7.451	34.562	0.05	27.010	1.248
600	6.897	34.552	0.07	27.080	1.303
650	6.478	34.542	0.06	27.129	1.355
700	5.997	34.541	0.06	27.191	1.405
750	5.560	34.544	0.07	27.247	1.452
800	5.303	34.548	0.11	27.281	1.497
900	4.810	34.553	0.21	27.343	1.583
1000	4.382	34.562	0.35	27.397	1.663
1010	4.367	34.563	0.35	27.400	1.670

CAST EP2-87-OC -059 DATE 03 NOV 87 TIME 0341 GMT

LAT 15 00.5N LONG 109 59.4W



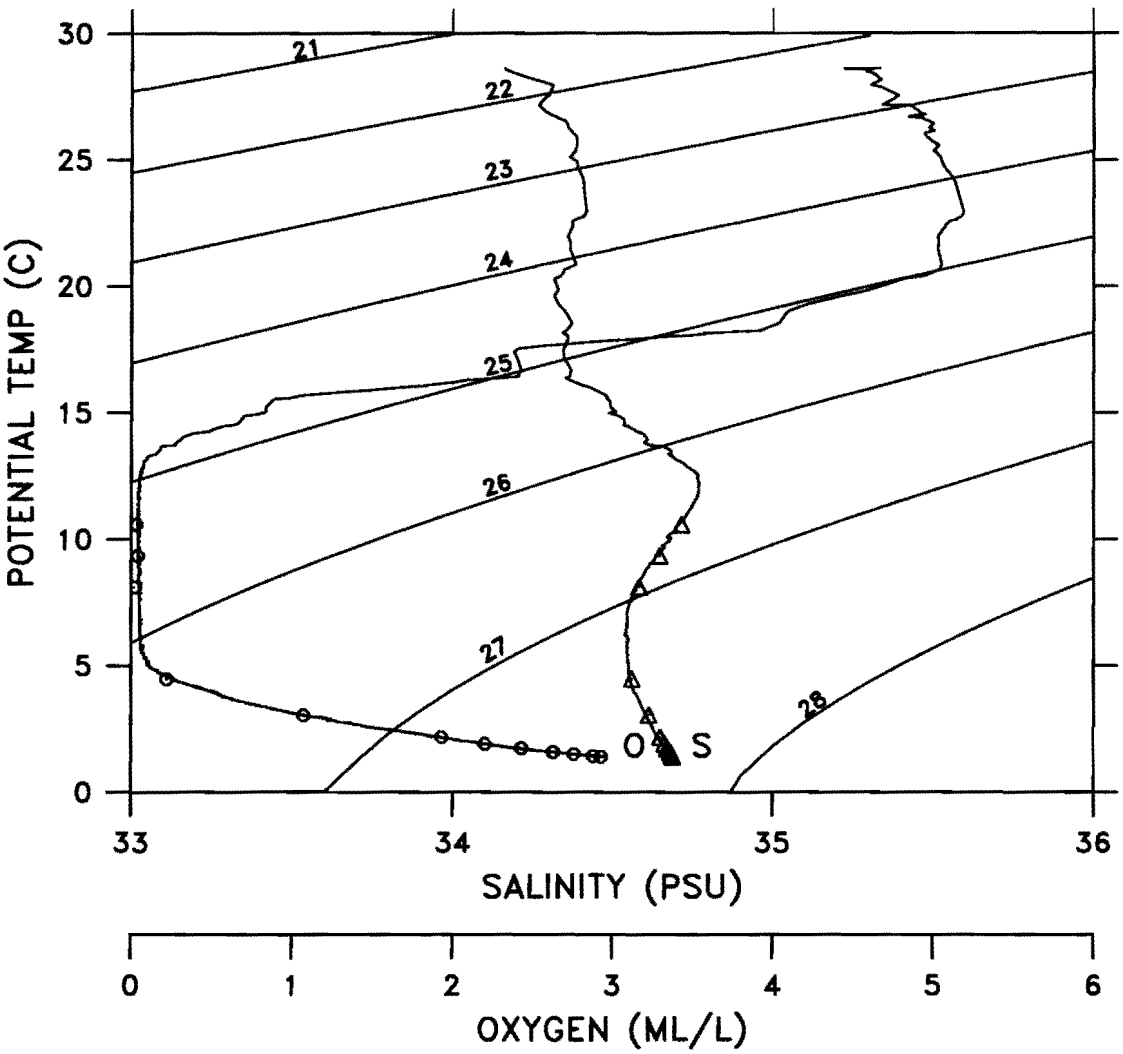


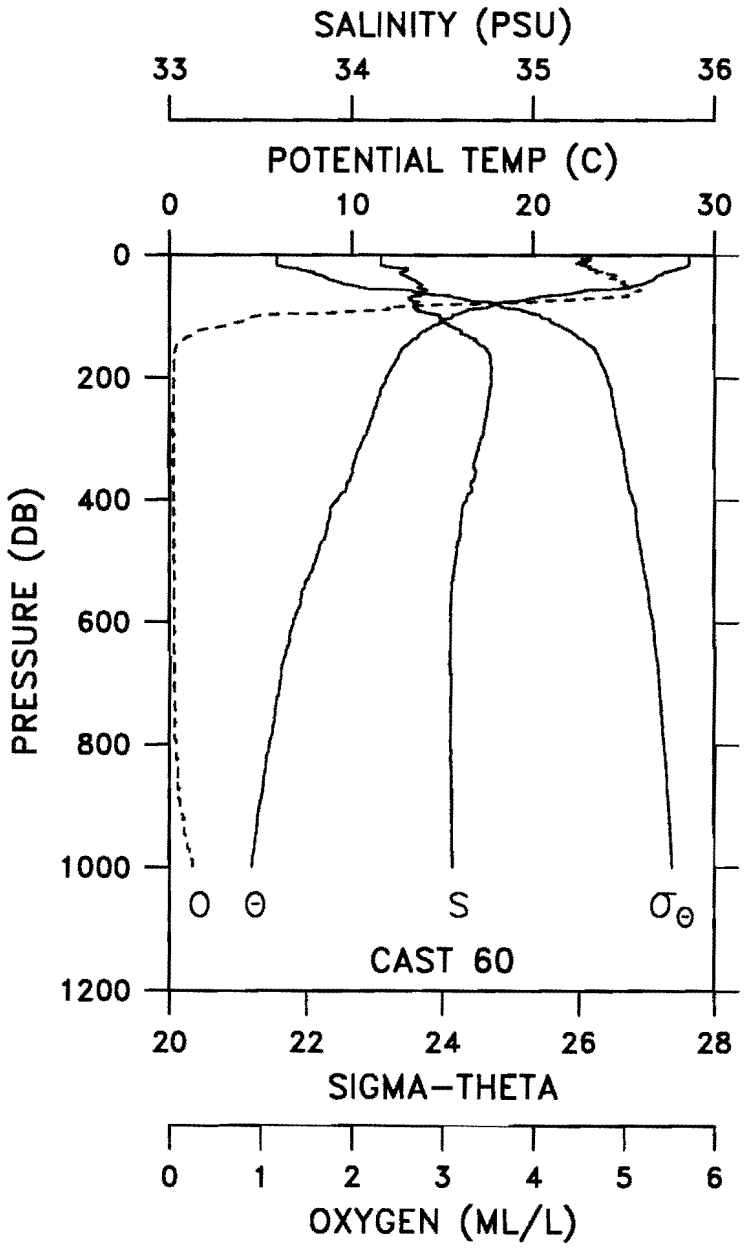
CAST EP2-87-OC -059 DATE 03 NOV 87 TIME 0341 GMT
LAT 15 00.5N LONG 109 59.4W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 080 T SPD 10 KT VISIBILITY 7
CLOUD X AMOUNT 6 DRY 28.2 WET 26.0 DEPTH 3712 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.617	34.158	4.66	21.561	0.000
10	28.619	34.158	4.69	21.560	0.062
20	28.099	34.319	4.75	21.853	0.124
30	27.312	34.311	4.89	22.101	0.182
40	26.649	34.379	5.02	22.363	0.238
50	24.686	34.389	5.13	22.976	0.290
60	21.522	34.353	4.83	23.860	0.334
70	19.280	34.305	4.11	24.419	0.372
80	17.343	34.346	2.58	24.931	0.405
90	16.233	34.391	1.73	25.226	0.433
100	15.504	34.495	0.83	25.471	0.460
110	14.453	34.551	0.67	25.745	0.484
120	14.028	34.620	0.33	25.889	0.506
130	13.567	34.671	0.14	26.023	0.526
140	13.153	34.701	0.07	26.131	0.546
150	12.959	34.725	0.06	26.189	0.565
160	12.626	34.761	0.06	26.282	0.583
170	12.526	34.765	0.05	26.305	0.601
180	12.332	34.770	0.05	26.347	0.618
190	12.166	34.771	0.05	26.380	0.635
200	12.049	34.773	0.04	26.404	0.652
204	11.928	34.769	0.05	26.424	0.658

CAST EP2-87-OC -060 DATE 03 NOV 87 TIME 0558 GMT

LAT 15 02.2N LONG 109 58.9W





CAST EP2-87-OC -060 DATE 03 NOV 87 TIME 0558 GMT
LAT 15 02.2N LONG 109 58.9W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 095 T SPD 08 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 28.2 WET 25.8 DEPTH 3308 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.605	34.162	4.58	21.569	0.000
10	28.605	34.162	4.67	21.568	0.062
20	28.301	34.221	4.65	21.712	0.124
30	27.165	34.269	4.77	22.117	0.183
40	26.643	34.330	4.93	22.328	0.239
50	25.558	34.388	5.04	22.710	0.292
60	22.581	34.374	5.10	23.580	0.340
70	20.060	34.323	4.71	24.231	0.380
80	17.960	34.360	3.24	24.793	0.414
90	16.377	34.353	2.29	25.164	0.445
100	15.555	34.482	0.93	25.451	0.472
110	14.902	34.509	0.74	25.616	0.496
120	14.261	34.573	0.49	25.803	0.519
130	13.689	34.628	0.27	25.965	0.541
140	13.267	34.688	0.10	26.098	0.561
150	12.888	34.730	0.08	26.207	0.580
160	12.655	34.759	0.06	26.276	0.598
170	12.508	34.767	0.06	26.310	0.615
180	12.294	34.768	0.05	26.353	0.633
190	12.108	34.771	0.05	26.391	0.650
200	11.914	34.769	0.05	26.427	0.666
250	11.266	34.748	0.05	26.531	0.746
300	10.643	34.712	0.04	26.615	0.823
350	10.051	34.681	0.04	26.695	0.895
400	9.223	34.633	0.04	26.795	0.964
450	8.630	34.600	0.05	26.864	1.028
500	8.020	34.572	0.05	26.935	1.090
550	7.258	34.550	0.05	27.028	1.148
600	6.808	34.546	0.05	27.087	1.203
650	6.388	34.541	0.06	27.140	1.255
700	6.063	34.549	0.06	27.188	1.304
750	5.808	34.546	0.06	27.218	1.352
600	5.482	34.545	0.08	27.257	1.399
900	4.919	34.551	0.11	27.329	1.486
1000	4.498	34.556	0.25	27.380	1.569
1500	3.057	34.605	1.05	27.564	1.921
2000	2.138	34.644	1.93	27.676	2.205
2500	1.707	34.666	2.43	27.727	2.451
3000	1.485	34.678	2.77	27.753	2.682
3347	1.398	34.682	2.94	27.762	2.841

CAST EP2-87-OC -001 LAT 02 01.1N LONG 140 02.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	29.039	34.812	1.79	29.039	21.912
14.	28.909	34.808	1.82	28.906	21.954
20.	28.899	34.807	1.83	28.894	21.957
30.	28.893	34.810	1.83	28.886	21.962
38.	28.891	34.813	1.84	28.882	21.965
60.	28.790	34.850	1.84	28.776	22.029
77.	28.233	34.940	1.90	28.215	22.281
98.	24.407	34.853	1.56	24.386	23.417
125.	18.176	34.784	1.04	18.154	25.070
147.	14.117	34.915	0.60	14.096	26.102
199.	13.050	34.906	0.47	13.023	26.316
250.	12.497	34.869	0.30	12.463	26.398

CAST EP2-87-OC -002 LAT 02 00.2N LONG 140 04.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
296.	11.300	34.800	0.26	11.263	26.572
394.	9.279	34.674	0.19	9.235	26.825
496.	7.592	34.602	0.34	7.543	27.029
997.	4.579	34.558	0.72	4.499	27.381
1493.	2.993	34.609	0.82	2.886	27.583
1988.	2.254	34.644	0.97	2.115	27.677
2494.	1.837	34.667	1.16	1.660	27.731
2994.	1.700	34.674	1.28	1.479	27.750
3508.	1.495	34.689	1.44	1.228	27.780
3749.	1.424	34.693	1.55	1.134	27.790
4000.	1.421	34.688	1.60	1.104	27.788
4403.	1.410	34.696	1.65	1.049	27.798

CAST EP2-87-OC -003 LAT 01 30.0N LONG 140 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.616	34.843	2.01	28.616	22.076
0.	28.619	34.843	1.98	28.619	22.075
95.	23.622	34.797	1.43	23.602	23.606
247.	12.450	34.867	0.33	12.417	26.406
495.	7.682	34.600	0.66	7.632	27.014
497.	7.676	34.600	0.53	7.626	27.015
596.	6.577	34.569	0.59	6.522	27.144
694.	6.145	34.562	0.60	6.083	27.196
795.	5.637	34.548	0.76	5.568	27.250
895.	4.883	34.552	0.79	4.810	27.342
1008.	4.502	34.559	0.96	4.422	27.391
1010.	4.502	34.559	0.78	4.422	27.391

CAST EP2-87-OC -004 LAT 00 59.6N LONG 140 00.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.030	34.746	1.77	28.030	22.196
18.	28.037	34.746	1.85	28.033	22.195
37.	27.436	34.778	1.79	27.427	22.416
59.	25.210	34.768	1.61	25.197	23.108
78.	23.372	34.909	1.25	23.356	23.763
99.	19.520	34.886	1.21	19.502	24.806
149.	14.291	34.814	0.83	14.269	25.987
199.	12.792	34.891	0.46	12.765	26.356
296.	11.821	34.828	0.43	11.783	26.497
496.	7.143	34.588	0.54	7.095	27.081
746.	5.809	34.556	0.67	5.744	27.234
1033.	4.426	34.562	0.78	4.344	27.401

CAST EP2-87-OC -005 LAT 00 29.6N LONG 140 00.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	27.799	34.770	2.04	27.799	22.289
0.	27.795	34.770	2.04	27.795	22.291
97.	19.962	35.013	1.26	19.944	24.788
252.	12.442	34.888	0.64	12.408	26.424
497.	7.413	34.600	0.51	7.364	27.053
498.	7.411	34.600	0.51	7.362	27.053
595.	6.745	34.577	0.59	6.689	27.128
694.	5.943	34.561	0.64	5.882	27.221
795.	5.606	34.556	0.71	5.537	27.260
897.	4.978	34.553	0.80	4.904	27.332
1036.	4.336	34.564	0.92	4.255	27.413
1030.	4.355	34.566	0.80	4.274	27.412

CAST EP2-87-OC -006 LAT 00 00.3N LONG 139 58.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	27.378	34.833	1.82	27.378	22.473
25.	26.824	34.858	1.79	26.818	22.671
59.	25.004	35.076	1.39	24.991	23.403
80.	22.885	35.303	1.29	22.869	24.203
88.	22.165	35.255	1.24	22.148	24.372
100.	21.583	35.199	1.25	21.564	24.492
109.	20.019	35.256	1.27	19.999	24.959
119.	19.419	35.316	1.28	19.397	25.162
129.	18.344	35.144	1.29	18.322	25.304
139.	17.194	35.085	1.22	17.171	25.540
170.	13.960	34.936	1.10	13.936	26.152
205.	12.956	34.920	0.89	12.928	26.346

CAST EP2-87-OC -008 LAT 00 01.1N LONG 139 56.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	27.386	34.833	1.76	27.386	22.470
14.	27.081	34.839	1.79	27.078	22.574
19.	26.966	34.844	1.78	26.962	22.615
31.	26.586	34.885	1.75	26.579	22.767
40.	26.191	34.919	1.65	26.182	22.917
59.	25.161	35.044	1.50	25.148	23.331
79.	22.842	35.305	1.31	22.826	24.217
99.	21.487	35.164	1.28	21.468	24.492
121.	19.226	35.295	1.30	19.204	25.195
148.	16.253	35.011	1.25	16.229	25.704
197.	12.935	34.908	0.95	12.908	26.341
254.	12.506	34.892	0.65	12.472	26.415

CAST EP2-87-OC -009 LAT 00 00.5N LONG 140 01.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
297.	11.372	34.808	0.28	11.335	26.565
397.	9.144	34.689	0.20	9.100	26.859
497.	7.819	34.620	0.41	7.769	27.010
995.	4.721	34.557	0.73	4.640	27.365
1493.	3.068	34.608	0.84	2.960	27.576
1991.	2.266	34.647	0.98	2.126	27.679
2493.	1.843	34.670	1.16	1.666	27.733
2997.	1.689	34.679	1.29	1.468	27.755
3496.	1.534	34.689	1.42	1.267	27.777
3749.	1.419	34.697	1.53	1.129	27.793
3998.	1.395	34.699	1.60	1.079	27.798
4339.	1.417	34.699	1.64	1.063	27.799

CAST EP2-87-OC -010 LAT 00 02.1S LONG 139 57.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.840	34.894	1.80	26.840	22.691
25.	26.510	34.910	1.76	26.504	22.809
58.	25.271	35.057	1.47	25.258	23.307
78.	23.846	35.376	1.33	23.830	23.978
87.	22.607	35.358	1.23	22.590	24.325
99.	21.685	35.301	1.22	21.666	24.541
109.	21.440	35.428	1.28	21.419	24.706
119.	20.072	35.261	1.27	20.050	24.949
128.	19.209	35.140	1.34	19.186	25.082
139.	18.049	35.174	1.29	18.025	25.400
170.	14.575	34.931	1.18	14.550	26.017
196.	12.968	34.899	0.97	12.941	26.327

CAST EP2-87-OC -011 LAT 00 29.4S LONG 140 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.589	34.965	1.95	26.589	22.824
0.	26.591	34.965	1.95	26.591	22.823
98.	22.888	35.550	1.32	22.868	24.390
248.	12.538	34.895	0.73	12.505	26.410
496.	8.113	34.632	0.39	8.062	26.976
497.	8.113	34.632	0.39	8.062	26.976
596.	6.807	34.577	0.61	6.751	27.120
696.	6.193	34.563	0.63	6.130	27.191
797.	5.605	34.553	0.71	5.536	27.257
894.	4.958	34.551	0.82	4.884	27.333
1005.	4.380	34.562	0.79	4.301	27.406
1005.	4.381	34.563	0.79	4.302	27.407

CAST EP2-87-OC -012 LAT 01 00.2S LONG 139 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.611	34.959	1.76	26.611	22.813
20.	26.594	34.959	1.80	26.589	22.819
38.	26.497	34.959	1.75	26.488	22.851
58.	26.357	35.012	1.82	26.344	22.937
78.	26.243	35.123	1.82	26.225	23.058
97.	26.117	35.479	1.70	26.095	23.367
146.	15.803	35.170	1.07	15.780	25.929
197.	13.206	34.962	0.53	13.179	26.328
296.	12.198	34.869	0.41	12.159	26.457
498.	8.269	34.642	0.37	8.217	26.960
745.	5.975	34.557	0.67	5.909	27.214
1007.	4.448	34.559	0.79	4.368	27.396

CAST EP2-87-OC -013 LAT 01 30.0S LONG 139 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.881	35.031	1.92	26.881	22.781
0.	26.881	35.031	1.92	26.881	22.781
93.	25.298	35.586	1.69	25.278	23.701
248.	12.332	34.885	0.16	12.299	26.443
496.	8.105	34.631	0.65	8.054	26.976
497.	8.097	34.631	0.65	8.046	26.977
598.	6.636	34.568	0.77	6.580	27.136
696.	6.045	34.555	0.79	5.983	27.203
794.	5.376	34.546	0.86	5.309	27.279
896.	4.912	34.550	0.90	4.839	27.337
1006.	4.520	34.557	0.85	4.440	27.387
1008.	4.519	34.557	0.86	4.439	27.387

CAST EP2-87-OC -014 LAT 02 00.1S LONG 139 58.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
296.	12.126	34.872	0.16	12.087	26.474
395.	10.114	34.762	0.08	10.067	26.755
499.	8.364	34.653	0.37	8.311	26.955
1001.	4.547	34.555	0.79	4.467	27.383
1497.	2.990	34.611	0.87	2.882	27.585
1995.	2.261	34.649	0.98	2.121	27.681
2496.	1.844	34.667	1.20	1.667	27.731
2996.	1.652	34.678	1.35	1.432	27.757
3495.	1.501	34.690	1.48	1.235	27.780
3746.	1.417	34.698	1.56	1.127	27.794
4000.	1.405	34.698	1.61	1.089	27.797
4353.	1.390	34.702	1.71	1.035	27.804

CAST EP2-87-OC -015 LAT 02 00.2S LONG 139 57.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	27.093	35.037	1.81	27.093	22.718
15.	27.069	35.035	1.82	27.066	22.725
19.	27.014	35.035	1.84	27.010	22.743
29.	27.001	35.036	1.85	26.994	22.749
38.	26.992	35.036	1.87	26.983	22.752
59.	27.001	35.058	1.96	26.987	22.768
76.	27.359	35.428	1.98	27.341	22.933
97.	26.043	35.510	1.74	26.021	23.413
123.	18.539	35.411	0.93	18.517	25.459
149.	14.529	35.060	0.44	14.507	26.126
198.	12.982	34.922	0.32	12.955	26.342
250.	12.450	34.889	0.19	12.417	26.423

CAST EP2-87-OC -016 LAT 00 00.3S LONG 135 02.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
298.	11.321	34.827	0.25	11.284	26.590
398.	8.829	34.673*	0.25	8.786*	26.896*
499.	7.396	34.602	0.47	7.347	27.057
996.	4.318	34.569	0.74	4.240	27.418
1494.	3.016	34.612	0.84	2.908	27.584
1994.	2.316	34.647	0.98	2.175	27.675
2496.	1.907	34.668	1.15	1.729	27.727
2997.	1.700	34.680	1.28	1.479	27.755
3490.	1.552	34.691	1.42	1.285	27.778
3748.	1.433	34.698	1.55	1.143	27.793
3999.	1.403	34.700	1.60	1.087	27.798
4390.	1.442	34.701	1.61	1.081	27.800

* Calculated from CTD values

CAST EP2-87-OC -017 LAT 00 00.5N LONG 134 58.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.856	34.936	2.29	26.856	22.718
19.	26.768	34.967	1.83	26.764	22.770
40.	26.297	35.089	1.66	26.288	23.012
58.	25.372	35.145	1.59	25.359	23.343
79.	23.307	35.183	1.37	23.291	23.990
101.	18.632	35.182	1.30	18.614	25.259
123.	16.405	35.030	1.20	16.385	25.683
148.	14.887	35.008	1.16	14.865	26.009
203.	12.691	34.912	0.74	12.664	26.392

CAST EP2-87-OC -018 LAT 00 00.7S LONG 129 59.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
298.	12.126	34.870	0.24	12.087	26.472
398.	9.581	34.723	0.20	9.536	26.814
497.	8.008	34.634	0.34	7.957	26.993
995.	4.526	34.564	0.73	4.447	27.392
1495.	2.996	34.614	0.84	2.889	27.587
1996.	2.224	34.652	0.98	2.084	27.686
2494.	1.860	34.672	1.15	1.683	27.733
2997.	1.674	34.681	1.30	1.454	27.758
3496.	1.510	34.694	1.45	1.244	27.783
3752.	1.428	34.697	1.53	1.138	27.793
3998.	1.420	34.702	1.60	1.103	27.799
4502.	1.473	34.701	1.65	1.098	27.799

CAST EP2-87-OC -019 LAT 00 01.6S LONG 129 59.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	26.072	34.728	1.75	26.072	22.808
14.	25.980	34.756	1.76	25.977	22.858
19.	25.903	34.774*	1.73	25.899*	22.896*
29.	25.681	34.821	1.71	25.675	23.001
40.	25.468	34.866	1.68	25.459	23.101
59.	24.666	34.996	1.56	24.653	23.445
79.	23.209	35.153	1.35	23.193	23.995
98.	20.305	35.080	1.26	20.287	24.748
123.	17.943	35.112	1.27	17.922	25.378
148.	15.785	35.046	1.20	15.762	25.838
201.	13.066	34.930	0.86	13.038	26.332
204.	13.064	34.930	0.86	13.036	26.332

CAST EP2-87-OC -020 LAT 00 10.0N LONG 124 22.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
298.	11.009	34.799	0.14	10.972	26.625
397.	9.024	34.687	0.24	8.981	26.877
497.	7.765	34.621	0.38	7.715	27.019
995.	4.507	34.561	0.74	4.428	27.392
1495.	3.045	34.610	0.84	2.937	27.580
1995.	2.271	34.648	0.98	2.131	27.679
2496.	1.881	34.669	1.13	1.703	27.729
2995.	1.647	34.683	1.30	1.427	27.761
3514.	1.487	34.693	1.45	1.220	27.784
3751.	1.422	34.698	1.55	1.132	27.794
4001.	1.435	34.698	1.57	1.118	27.795
4621.	1.499	34.699	1.62	1.110	27.796

CAST EP2-87-OC -021 LAT 00 09.8N LONG 124 21.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.567	35.116	1.77	25.567	23.257
14.	25.486	35.115	1.81	25.483	23.282
28.	25.271	35.116	1.90	25.265	23.350
39.	25.040	35.104	1.83	25.032	23.412
60.	23.542	34.955	1.53	23.530	23.747
79.	20.994	34.921	1.22	20.979	24.441
99.	17.856	35.122	1.27	17.839	25.406
121.	16.090	35.119	1.22	16.071	25.824
149.	14.530	34.999	1.11	14.508	26.079
203.	13.038	34.905	0.78	13.010	26.318
203.	13.053	34.905	0.78	13.025	26.315

CAST EP2-87-OC -022 LAT 00 00.8S LONG 119 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
298.	11.385	34.826	0.12	11.347	26.577
397.	9.918	34.691	0.22	9.872	26.733
496.	8.299	34.648	0.29	8.247	26.960
1001.	4.531	34.563	0.73	4.451	27.391
1495.	3.009	34.613	0.83	2.901	27.585
1995.	2.302	34.648	0.96	2.161	27.677
2496.	1.887	34.670	1.14	1.709	27.730
2997.	1.655	34.681	1.32	1.435	27.759
3498.	1.496	34.695	1.45	1.230	27.785
3749.	1.411	34.699	1.56	1.121	27.795
4000.	1.437	34.700	1.58	1.120	27.796
4211.	1.459	34.699	1.59	1.118	27.796

* Calculated from CTD values

CAST EP2-87-OC -023 LAT 00 00.9N LONG 119 59.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	24.636	34.896	1.80	24.636	23.375
14.	24.565	34.894	1.79	24.562	23.395
19.	24.548	34.886*	1.79	24.544*	23.395*
30.	24.525	34.888	1.81	24.519	23.404
39.	23.921	34.882	1.76	23.913	23.580
59.	22.719	34.933	1.56	22.707	23.968
78.	20.241	35.087	1.33	20.226	24.769
97.	17.308	35.014	1.24	17.292	25.456
124.	15.426	34.930	1.13	15.407	25.829
149.	13.987	34.942	1.07	13.966	26.150
206.	12.873	34.917	1.18	12.845	26.360
205.	12.888	34.917	0.74	12.860	26.357

CAST EP2-87-OC -024 LAT 00 00.5N LONG 114 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	23.896	34.856	1.83	23.896	23.565
15.	23.898	34.855	1.86	23.895	23.564
19.	23.867	34.851*	1.86	23.863*	23.571*
29.	23.523	34.851	1.82	23.517	23.672
39.	23.088	34.858	1.70	23.080	23.804
58.	21.403	34.953	1.51	21.392	24.352
78.	19.449	35.311	1.28	19.435	25.148
99.	16.663	34.959	1.17	16.647	25.567
124.	15.113	35.007	1.13	15.094	25.957
148.	13.824	34.955	0.99	13.803	26.194
201.	12.900	34.919	0.74	12.872	26.356
201.	12.900	34.912*	0.74	12.872*	26.351*

CAST EP2-87-OC -025 LAT 00 00.7N LONG 114 58.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
297.	11.847	34.862	0.06	11.808	26.519
397.	9.266	34.698	0.16	9.222	26.846
497.	7.983	34.630	0.36	7.932	26.994
995.	4.676	34.560	0.70	4.596	27.372
1493.	3.084	34.609	0.82	2.976	27.575
1998.	2.343	34.645	0.95	2.201	27.671
2501.	1.848	34.670	1.15	1.670	27.733
2997.	1.673	34.680	1.32	1.453	27.757
3248.	1.586	34.686	1.38	1.343	27.770
3498.	1.505	34.693	1.47	1.239	27.782
3749.	1.432	34.698	1.55	1.142	27.793
4050.	1.457	34.698	1.56	1.134	27.794

CAST EP2-87-OC -026 LAT 08 02.7S LONG 109 54.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.612	35.433	1.89	25.612	23.483
19.	25.625	35.425*	1.86	25.621*	23.474*
39.	25.632	35.433	1.92	25.623	23.479
59.	25.637	35.433	1.95	25.624	23.479
77.	25.472	35.525	2.01	25.455	23.601
99.	22.281	35.855	1.74	22.261	24.795
146.	16.653	35.273	0.75	16.629	25.813
198.	12.372	34.902	0.20	12.346	26.447
298.	11.116	34.828	0.29	11.079	26.628
497.	8.644	34.671	0.22	8.591	26.926
746.	5.889	34.554	0.51	5.823	27.223
1000.	4.458	34.547	0.81	4.379	27.386

CAST EP2-87-OC -027 LAT 07 00.1S LONG 110 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.556	35.413	1.92	25.556	23.485
18.	25.474	35.362	1.93	25.470	23.473
38.	25.467	35.362	1.97	25.459	23.476
59.	25.448	35.402	1.95	25.435	23.514
80.	22.931	35.724	1.72	22.915	24.509
98.	20.071	35.656	1.46	20.053	25.250
124.	18.030	35.446	1.07	18.009	25.613
145.	15.821	35.187	0.53	15.798	25.938
200.	12.863	34.934	0.10	12.836	26.375
295.	11.343	34.842	0.22	11.306	26.597
494.	8.969	34.692	0.09	8.915	26.891
746.	5.791	34.552	0.57	5.726	27.233
1007.	4.413	34.551	0.88	4.334	27.394

CAST EP2-87-OC -028 LAT 06 00.6S LONG 110 01.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	25.373	35.337	1.93	25.373	23.484
14.	25.376	35.295	1.87	25.373	23.452
18.	25.377	35.295	1.96	25.373	23.452
39.	25.368	35.295	1.95	25.360	23.456
58.	25.344	35.298	2.04	25.331	23.467
78.	25.337	35.300	2.09	25.320	23.472
100.	21.626	35.688	1.62	21.606	24.852
146.	14.005	35.008	0.10	13.984	26.197
199.	12.164	34.894	0.21	12.138	26.481
300.	10.760	34.805	0.23	10.723	26.674
495.	8.025	34.639	0.27	7.974	26.994
748.	5.761	34.551	0.62	5.696	27.236
995.	4.559	34.550	0.83	4.479	27.377

* Calculated from CTD values

CAST EP2-87-OC -029 LAT 05 00.1S LONG 109 54.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	25.296	35.251	1.93	25.296	23.442
15.	25.308	35.253	1.95	25.305	23.441
19.	25.299	35.246*	1.93	25.295*	23.439*
30.	25.297	35.252	2.01	25.290	23.445
38.	25.309	35.251	2.04	25.301	23.441
58.	25.343	35.286	2.08	25.330	23.458
79.	21.920	35.420	1.60	21.904	24.565
98.	17.960	35.344	0.92	17.943	25.551
122.	15.793	35.179	0.52	15.774	25.938
148.	13.616	34.978	0.15	13.595	26.255
204.	11.962	34.888	0.33	11.936	26.515

CAST EP2-87-OC -030 LAT 05 02.5S LONG 109 47.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
297.	10.957	34.815	0.36	10.920	26.646
398.	9.529	34.727	0.12	9.484	26.826
497.	7.959	34.641	0.09	7.908	27.006
746.	5.650	34.552	0.67	5.585	27.251
993.	4.458	34.554	0.82	4.379	27.391
1495.	3.016	34.606	0.91	2.908	27.579
1995.	2.345	34.643	1.02	2.204	27.669
2495.	1.920	34.668	1.17	1.742	27.726
2995.	1.748	34.684	1.34	1.526	27.755
3242.	1.614	34.688	1.44	1.371	27.769
3481.	1.574	34.691	1.49	1.308	27.776

CAST EP2-87-OC -031 LAT 04 00.5S LONG 110 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	25.065	35.184	1.83	25.065	23.462
20.	25.052	35.152*	1.90	25.048*	23.443*
39.	25.054	35.153	1.94	25.046	23.445
59.	25.023	35.154	2.00	25.010	23.456
76.	21.036	35.550	1.41	21.021	24.908
98.	16.855	35.289	0.72	16.839	25.775
124.	14.091	35.025	0.36	14.073	26.192
149.	13.312	34.948	0.24	13.291	26.294
198.	12.838	34.920	0.14	12.811	26.369
297.	11.817	34.866	0.06	11.779	26.528
496.	8.398	34.663	0.09	8.346	26.957
744.	5.768	34.561	0.57	5.703	27.243
1006.	4.495	34.558	0.83	4.415	27.391

CAST EP2-87-OC -032 LAT 02 59.7S LONG 110 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.113	35.057	2.03	25.113	23.352
20.	24.871	35.028	2.15	24.867	23.405
37.	24.849	35.033	2.13	24.841	23.416
55.	20.417	35.246	1.23	20.407	24.843
79.	14.949	35.081	0.77	14.937	26.049
97.	14.098	35.007	0.73	14.084	26.176
122.	13.763	34.977	0.74	13.746	26.223
148.	13.435	34.953	0.73	13.414	26.273
196.	13.131	34.934	0.43	13.104	26.321
296.	11.888	34.871	0.04	11.849	26.518
497.	8.088	34.640	0.38	8.037	26.986
745.	5.970	34.558	0.68	5.904	27.216
1007.	4.530	34.561	0.79	4.450	27.389

CAST EP2-87-OC -033 LAT 02 01.0S LONG 110 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	24.399	34.983	2.00	24.399	23.511
14.	24.373	34.983	2.05	24.370	23.520
17.	24.335	34.981	2.14	24.331	23.530
29.	24.174	34.993	2.07	24.168	23.588
37.	21.094	35.277	1.39	21.087	24.683
59.	15.398	35.080	0.73	15.389	25.948
79.	14.028	34.994	0.66	14.017	26.180
98.	13.852	34.981	0.58	13.838	26.207
124.	13.285	34.945	0.66	13.268	26.297
149.	12.794	34.916	0.67	12.774	26.374
197.	12.721	34.907	0.62	12.694	26.382
250.	12.571	34.895	0.43	12.537	26.404

CAST EP2-87-OC -034 LAT 02 04.3S LONG 110 02.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
298.	11.630	34.847	0.05	11.592	26.548
397.	8.938	34.684	0.40	8.895	26.888
496.	7.761	34.619	0.49	7.711	27.018
996.	4.633	34.560	0.72	4.553	27.377
1495.	3.188	34.605	0.83	3.078	27.563
1995.	2.348	34.648	0.94	2.207	27.673
2495.	1.942	34.665	1.11	1.763	27.722
2996.	1.685	34.678	1.32	1.464	27.754
3246.	1.601	34.686	1.38	1.358	27.768
3497.	1.530	34.694	1.50	1.263	27.782
3749.	1.448	34.698	1.59	1.157	27.792
3941.	1.467	34.698	1.58	1.155	27.792

* Calculated from CTD values

CAST EP2-87-OC -035 LAT 01 29.9S LONG 110 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	24.004	35.096	1.98	24.004	23.715
99.	14.610	35.065	0.60	14.595	26.111
247.	12.629	24.900	0.46	12.599	18.656
499.	7.911	34.629	0.42	7.860	27.004
596.	7.116	34.593	0.61	7.058	27.090
696.	6.237	34.569	0.63	6.174	27.190
797.	5.785	34.563	0.70	5.715	27.243
895.	5.170	34.555	0.82	5.095	27.312
1007.	4.526	34.563	0.78	4.446	27.391

CAST EP2-87-OC -036 LAT 00 59.9S LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	23.605	34.965	1.77	23.605	23.733
18.	23.316	35.027	1.74	23.312	23.865
37.	22.606	35.120	1.60	22.599	24.141
56.	18.488	35.386*	0.88	18.478*	25.450*
79.	16.724	35.245	0.72	16.711	25.772
99.	15.001	35.104	0.88	14.986	26.056
124.	13.894	34.986	0.95	13.876	26.203
146.	13.384	34.956	0.88	13.364	26.286
198.	12.944	34.927	0.79	12.917	26.354
297.	11.666	34.847	0.08	11.628	26.541
496.	7.911	34.632	0.35	7.860	27.006
746.	5.880	34.563	0.64	5.814	27.231
998.	4.461	34.563	0.85	4.382	27.398

CAST EP2-87-OC -037 LAT 00 30.1S LONG 109 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	23.326	34.971	1.91	23.326	23.819
18.	22.912	34.969	1.82	22.908	23.938
38.	21.832	35.050	1.54	21.824	24.306
59.	17.960	35.195	1.29	17.950	25.435
79.	17.390	35.206	1.14	17.377	25.583
100.	15.943	35.114	1.18	15.927	25.853
123.	14.723	35.044	1.09	14.705	26.071
148.	13.973	34.976	1.04	13.952	26.179
198.	13.000	34.927	0.83	12.973	26.342
305.	11.711	34.842	0.10	11.672	26.529
501.	7.864	34.628	0.35	7.813	27.010
750.	5.813	34.562	0.68	5.747	27.239

CAST EP2-87-OC -038 LAT 00 03.6S LONG 109 51.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
298.	11.850	34.852	0.12	11.811	26.511
397.	9.317	34.704	0.20	9.273	26.843
497.	7.750	34.624	0.35	7.700	27.023
995.	4.588	34.565	0.71	4.508	27.386
1495.	3.088	34.611	0.83	2.979	27.577
1995.	2.346	34.648	0.95	2.205	27.673
2493.	1.882	34.672	1.12	1.704	27.732
2745.	1.759	34.680	1.23	1.561	27.749
2996.	1.661	34.685	1.31	1.441	27.762
3247.	1.589	34.690	1.39	1.346	27.772
3499.	1.511	34.696	1.45	1.245	27.784
3780.	1.451	34.701	1.55	1.157	27.795

CAST EP2-87-OC -039 LAT 00 00.3S LONG 109 52.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	23.272	34.824	1.76	23.272	23.723
14.	23.164	34.827	1.78	23.161	23.758
18.	23.058	34.832	1.76	23.054	23.792
29.	22.719	34.856	1.71	22.713	23.908
40.	22.071	34.905	1.54	22.063	24.129
58.	20.625	35.004	1.37	20.614	24.603
78.	17.630	35.068	1.16	17.617	25.419
97.	16.017	35.042	1.15	16.002	25.780
122.	15.007	34.952	1.01	14.989	25.938
148.	14.175	34.969	1.03	14.154	26.131
198.	12.979	34.923	0.71	12.952	26.344
251.	12.455	34.880	0.32	12.421	26.415

CAST EP2-87-OC -040 LAT 00 29.3N LONG 109 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	24.559	34.682	2.18	24.559	23.236
99.	15.499	34.913	0.80	15.484	25.798
247.	12.652	34.895	0.45	12.619	26.388
497.	7.654	34.622	0.38	7.604	27.036
596.	7.029	34.594	0.46	6.972	27.103
696.	6.196	34.570	0.59	6.133	27.196
794.	5.468	34.561	0.67	5.400	27.280
896.	5.092	34.561	0.69	5.017	27.325
1005.	4.635	34.558*	0.74	4.554*	27.375*
1004.	4.635	34.565	0.74	4.554	27.381

* Calculated from CTD values

CAST EP2-87-OC -041 LAT 01 00.8N LONG 109 57.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	25.671	34.388	1.92	25.671	22.675
20.	25.007	34.438	1.86	25.003	22.918
39.	23.592	34.728	1.82	23.584	23.560
61.	21.953	34.782	1.52	21.941	24.070
79.	20.260	34.817	1.28	20.245	24.559
101.	15.354	34.962	0.75	15.339	25.869
124.	15.026	34.973	0.75	15.007	25.950
148.	14.272	34.968	0.67	14.250	26.110
198.	13.193	34.925	0.44	13.165	26.302
297.	12.044	34.847	0.20	12.005	26.470
496.	8.002	34.636	0.33	7.951	26.996
747.	5.926	34.566	0.62	5.860	27.228
1006.	4.576	34.565	0.76	4.495	27.387

CAST EP2-87-OC -042 LAT 01 31.3N LONG 110 01.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.272	34.258	2.20	26.272	22.391
95.	15.489	34.948	0.75	15.474	25.827
245.	12.898	34.912	0.50	12.864	26.352
497.	7.903	34.678	0.44	7.852	27.043
595.	6.798	34.584	0.53	6.742	27.127
696.	6.277	34.571	0.62	6.214	27.186
796.	5.695	34.531	0.66	5.626	27.229
895.	5.121	34.561	0.73	5.046	27.322
1006.	4.641	34.568	0.67	4.560	27.383

CAST EP2-87-OC -043 LAT 02 11.9N LONG 110 21.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.478	34.272	1.92	26.478	22.337
14.	26.484	34.274	2.00	26.481	22.337
30.	26.480	34.274	2.10	26.473	22.340
59.	24.079	34.538	1.88	24.067	23.274
99.	16.594	34.923	0.78	16.578	25.556
146.	13.630	34.947	0.79	13.609	26.228
199.	12.914	34.924	0.72	12.887	26.357
249.	12.749	34.913	0.66	12.715	26.383
297.	12.382	34.874	0.33	12.342	26.426
398.	9.528	34.722	0.08	9.483	26.822

CAST EP2-87-OC -044 LAT 02 03.6N LONG 110 10.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	26.574	34.265	1.91	26.574	22.301
14.	26.509	34.263	1.93	26.506	22.321
19.	26.489	34.259	1.97	26.485	22.325
29.	26.389	34.250	2.00	26.382	22.350
39.	26.196	34.258	2.02	26.187	22.417
59.	24.541	34.520	1.89	24.528	23.122
79.	20.841	34.848	1.54	20.826	24.427
99.	16.162	34.934	0.84	16.146	25.664
124.	14.276	34.933	0.82	14.258	26.082
148.	13.713	34.935	0.84	13.692	26.202
197.	12.975	34.913	0.44	12.948	26.337
508.	7.681	34.615	0.34	7.630	27.026

CAST EP2-87-OC -045 LAT 02 59.8N LONG 109 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	26.676	34.281	1.89	26.676	22.281
18.	26.667	34.254	1.99	26.663	22.265
38.	26.587	34.255	2.05	26.578	22.292
60.	25.921	34.269	2.12	25.908	22.512
78.	24.690	34.508	1.88	24.673	23.070
100.	16.102	34.890	0.74	16.086	25.644
124.	14.274	34.962	0.75	14.256	26.104
149.	13.427	34.942	0.53	13.406	26.266
200.	12.790	34.908	0.57	12.763	26.370
297.	11.858	34.835	0.20	11.819	26.496
497.	8.013	34.633	0.30	7.962	26.992
745.	5.964	34.570	0.48	5.898	27.226
1008.	4.459	34.572	0.67	4.379	27.406

CAST EP2-87-OC -046 LAT 03 59.4N LONG 109 59.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	27.721	34.268	1.86	27.721	21.937
19.	27.725	34.215	1.91	27.721	21.897
39.	27.618	34.235	1.95	27.609	21.949
58.	27.574	34.240	2.05	27.560	21.968
80.	24.472	34.762	1.75	24.455	23.328
100.	16.856	34.835	0.88	16.840	25.427
125.	14.429	34.929	0.64	14.411	26.046
150.	13.656	34.942	0.62	13.635	26.219
199.	12.968	34.904	0.43	12.941	26.331
299.	11.475	34.801	0.38	11.437	26.541
499.	8.466	34.649	0.09	8.413	26.936
746.	5.821	34.566	0.43	5.755	27.241
1000.	4.428	34.577	0.59	4.349	27.413

* Calculated from CTD values

CAST EP2-87-OC -047 LAT 05 02.3N LONG 110 01.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
298.	10.160	34.713	0.46	10.125	26.707
397.	9.471	34.690	0.18	9.426	26.806
495.	8.231	34.639	0.05	8.179	26.964
1056.	4.431	34.576	0.46	4.347	27.412
1495.	3.073	34.619	0.70	2.965	27.584
1991.	2.388	34.648	0.89	2.246	27.670
2493.	1.897	34.675	1.05	1.719	27.733
2997.	1.799	34.682	1.16	1.576	27.749
3280.	1.601	34.690	1.30	1.355	27.772
3496.	1.522	34.696	1.42	1.256	27.784
3643.	1.501	34.698	1.44	1.220	27.788
3797.	1.480	34.699	1.45	1.183	27.791

CAST EP2-87-OC -048 LAT 05 01.7N LONG 109 57.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.495	34.030	1.82	28.495	21.505
14.	28.397	34.023	1.86	28.394	21.534
19.	28.347	34.010	1.94	28.342	21.541
28.	28.373	34.040	1.92	28.366	21.555
39.	28.381	34.072	1.94	28.372	21.578
59.	28.353	34.080	1.99	28.339	21.594
77.	27.730	34.640	1.86	27.712	22.220
97.	22.220	34.814	1.21	22.201	24.022
122.	14.048	34.674	0.59	14.030	25.929
148.	12.186	34.680	0.48	12.167	26.309
198.	11.145	34.756*	1.50	11.120*	26.564*
199.	11.147	34.764	0.77	11.122	26.570

CAST EP2-87-OC -049 LAT 06 00.3N LONG 109 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.105	33.491	1.79	28.105	21.228
19.	28.138	33.385	1.78	28.134	21.139
39.	28.342	33.667	1.90	28.333	21.286
58.	28.293	34.664	1.93	28.279	22.053
77.	24.974	34.698	1.80	24.957	23.128
95.	18.345	34.732	0.94	18.329	24.987
124.	12.833	34.750	0.29	12.816	26.237
149.	12.120	34.768	0.26	12.100	26.390
198.	11.119	34.758	0.49	11.094	26.570
298.	10.138	34.716	0.36	10.103	26.713
498.	8.151	34.640	0.05	8.099	26.976
746.	5.787	34.574	0.14	5.722	27.251
1019.	4.400	34.576	0.48	4.319	27.415

CAST EP2-87-OC -050 LAT 07 00.2N LONG 109 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.284	33.043	1.84	28.284	20.834
18.	28.341	33.034	1.94	28.337	20.810
38.	28.198	34.138	2.05	28.189	21.687
60.	21.720	34.654	1.12	21.708	24.038
79.	15.550	34.696	0.43	15.538	25.619
99.	14.123	34.720	0.29	14.109	25.949
124.	11.889	34.736	0.36	11.873	26.409
148.	11.393	34.747	0.48	11.374	26.511
198.	10.730	34.730	0.50	10.706	26.618
298.	9.974	34.706	0.46	9.939	26.733
497.	8.353	34.639	0.02	8.301	26.945
746.	5.871	34.569	0.11	5.805	27.237
1007.	4.417	34.578	0.35	4.337	27.415

CAST EP2-87-OC -051 LAT 07 59.8N LONG 109 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.300	32.910	1.82	28.300	20.728
18.	28.475	31.419	1.92	28.471	19.554
38.	25.074	34.564	1.70	25.066	22.994
58.	19.601	34.568	0.68	19.590	24.540
76.	15.505	34.700	0.42	15.493	25.632
98.	13.601	34.757	0.25	13.587	26.086
120.	12.440	34.777	0.31	12.424	26.335
147.	11.607	34.720	0.46	11.588	26.450
197.	11.105	34.740	0.44	11.081	26.559
299.	9.967	34.709	0.17	9.932	26.737
497.	8.001	34.619	0.01	7.950	26.982
747.	5.794	34.566	0.11	5.729	27.244
1004.	4.395	34.574	0.33	4.316	27.414

CAST EP2-87-OC -052 LAT 09 00.1N LONG 110 00.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.843	33.184	2.01	28.843	20.756
18.	28.712	33.164	2.14	28.708	20.785
38.	24.462	34.224	1.36	24.454	22.921
60.	16.107	34.765	0.18	16.098	25.545
77.	14.185	34.801	0.16	14.174	25.997
98.	13.220	34.807	0.22	13.206	26.202
124.	12.530	34.797	0.29	12.513	26.333
148.	12.224	34.788	0.31	12.205	26.386
198.	11.395	34.754	0.38	11.370	26.517
297.	10.460	34.728	0.21	10.424	26.667
497.	8.104	34.608	0.01	8.053	26.958
745.	5.840	34.566	0.05	5.774	27.238
992.	4.563	34.574	0.21	4.484	27.396

CAST EP2-87-OC -053 LAT 10 02.5N LONG 110 00.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.850	33.439	1.78	28.850	20.945
16.	28.862	33.387	2.01	28.858	20.903
36.	26.380	34.260	2.11	26.372	22.361
58.	19.488	34.602	0.67	19.478	24.596
79.	14.956	34.762	0.12	14.944	25.801
99.	13.278	34.803	0.09	13.264	26.188
125.	12.518	34.801	0.13	12.501	26.338
149.	12.170	34.792	0.15	12.151	26.399
198.	11.625	34.771	0.15	11.600	26.487
298.	10.777	34.744	0.06	10.741	26.623
498.	8.398	34.627	0.01	8.345	26.929
746.	5.821	34.562	0.05	5.755	27.237
1007.	4.421	34.576	0.18	4.341	27.413

CAST EP2-87-OC -054 LAT 10 15.3N LONG 109 15.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.884	33.335	1.90	28.884	20.855
21.	28.906	33.323	1.95	28.901	20.841
38.	26.235	34.265	1.85	26.226	22.410
59.	19.256	34.563	0.69	19.245	24.626
79.	17.452	34.668	0.30	17.439	25.155
100.	14.338	34.763	0.15	14.323	25.936
124.	12.914	34.798	0.13	12.897	26.258
149.	12.580	34.794	0.15	12.560	26.321
199.	11.534	34.767	0.21	11.509	26.501
300.	10.496	34.731	0.09	10.460	26.663
498.	8.165	34.612	0.01	8.113	26.952
746.	5.742	34.567	0.07	5.677	27.251
811.	5.270	34.566	0.11	5.202	27.308

CAST EP2-87-OC -055 LAT 11 00.0N LONG 110 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.155	33.882	1.90	29.155	21.176
19.	29.161	33.792	2.05	29.156	21.108
58.	23.158	34.414	1.26	23.146	23.449
78.	18.692	34.537	0.61	18.678	24.750
98.	15.529	34.740	0.09	15.514	25.658
123.	13.511	34.805	0.04	13.494	26.142
148.	12.840	34.813	0.02	12.820	26.285
196.	11.835	34.780	0.05	11.810	26.455
298.	10.445	34.719	0.04	10.409	26.662
497.	7.965	34.583	0.01	7.914	26.959
748.	5.673	34.560	0.08	5.608	27.254
1001.	4.403	34.574	0.26	4.324	27.413

CAST EP2-87-OC -056 LAT 12 00.7N LONG 110 01.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.390	33.781	1.84	29.390	21.021
20.	29.397	33.833	2.00	29.392	21.059
38.	26.514	34.267	2.12	26.505	22.324
59.	20.436	34.460	1.06	20.425	24.239
80.	17.086	34.634	0.19	17.073	25.217
99.	14.167	34.842	0.02	14.153	26.034
123.	13.531	34.870	0.03	13.514	26.188
149.	12.992	34.846	0.03	12.972	26.280
197.	12.119	34.801	0.00	12.093	26.417
297.	10.563	34.727	0.00	10.527	26.648
497.	7.293	34.570	0.01	7.245	27.046
745.	5.554	34.555	0.03	5.490	27.265
1006.	4.285	34.575	0.19	4.207	27.426

CAST EP2-87-OC -057 LAT 12 59.8N LONG 109 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.392	33.838	1.86	29.392	21.063
19.	29.374	33.803	1.92	29.369	21.045
40.	27.199	34.148	1.96	27.190	22.018
60.	22.735	34.432	1.39	22.723	23.584
79.	19.312	34.512	0.66	19.298	24.573
98.	16.374	34.602	0.23	16.358	25.360
124.	13.813	34.787	0.01	13.795	26.066
149.	12.832	34.806	0.00	12.812	26.281
199.	11.957	34.792	0.00	11.931	26.441
299.	10.626	34.714	0.00	10.590	26.627
498.	7.653	34.585	0.01	7.603	27.007
747.	5.640	34.568	0.01	5.575	27.264
993.	4.556	34.567	0.12	4.477	27.391

CAST EP2-87-OC -058 LAT 14 00.2N LONG 110 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	29.442	33.580	1.74	29.442	20.853
19.	29.209	33.533	2.00	29.204	20.897
40.	27.879	34.128	2.12	27.870	21.784
59.	24.544	34.350	1.73	24.531	22.993
78.	20.013	34.514	0.85	19.999	24.393
100.	16.764	34.683	0.11	16.748	25.331
123.	14.414	34.805	0.01	14.396	25.953
147.	13.249	34.844	0.01	13.229	26.227
198.	12.418	34.818	0.00	12.392	26.373
298.	10.836	34.746	0.00	10.800	26.614
497.	8.209	34.590	0.01	8.157	26.929
592.	7.019	34.571	0.01	6.962	27.086
1012.	4.401	34.560	0.14	4.321	27.402

CAST EP2-87-OC -059 LAT 15 00.5N LONG 109 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
0.	28.623	34.162	1.90	28.623	21.562
15.	28.437	34.177	2.13	28.433	21.636
17.	28.143	34.265	2.16	28.139	21.799
28.	27.269	34.314	2.28	27.263	22.119
39.	26.430	34.384	2.17	26.421	22.439
59.	21.802	34.372	2.07	21.790	23.800
80.	16.985	34.344	0.86	16.972	25.018
100.	15.291	34.504	0.28	15.276	25.530
123.	13.732	34.673	0.06	13.715	25.995
148.	12.947	34.740	0.02	12.927	26.207
200.	12.020	34.778	0.01	11.994	26.418

CAST EP2-87-OC -060 LAT 15 02.2N LONG 109 58.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
298.	10.608	34.716	0.00	10.572	26.631
397.	9.366	34.648	0.01	9.321	26.791
496.	8.136	34.584	0.00	8.085	26.935
996.	4.543	34.562	0.09	4.463	27.388
1496.	3.143	34.614	0.43	3.034	27.574
1998.	2.303	34.650	0.78	2.162	27.678
2246.	2.057	34.664	0.89	1.898	27.711
2494.	1.901	34.672	1.00	1.723	27.730
2763.	1.774	34.681	1.10	1.574	27.749
2995.	1.716	34.685	1.17	1.495	27.758
3196.	1.659	34.688	1.23	1.419	27.766
3349.	1.652	34.689	1.25	1.397	27.768

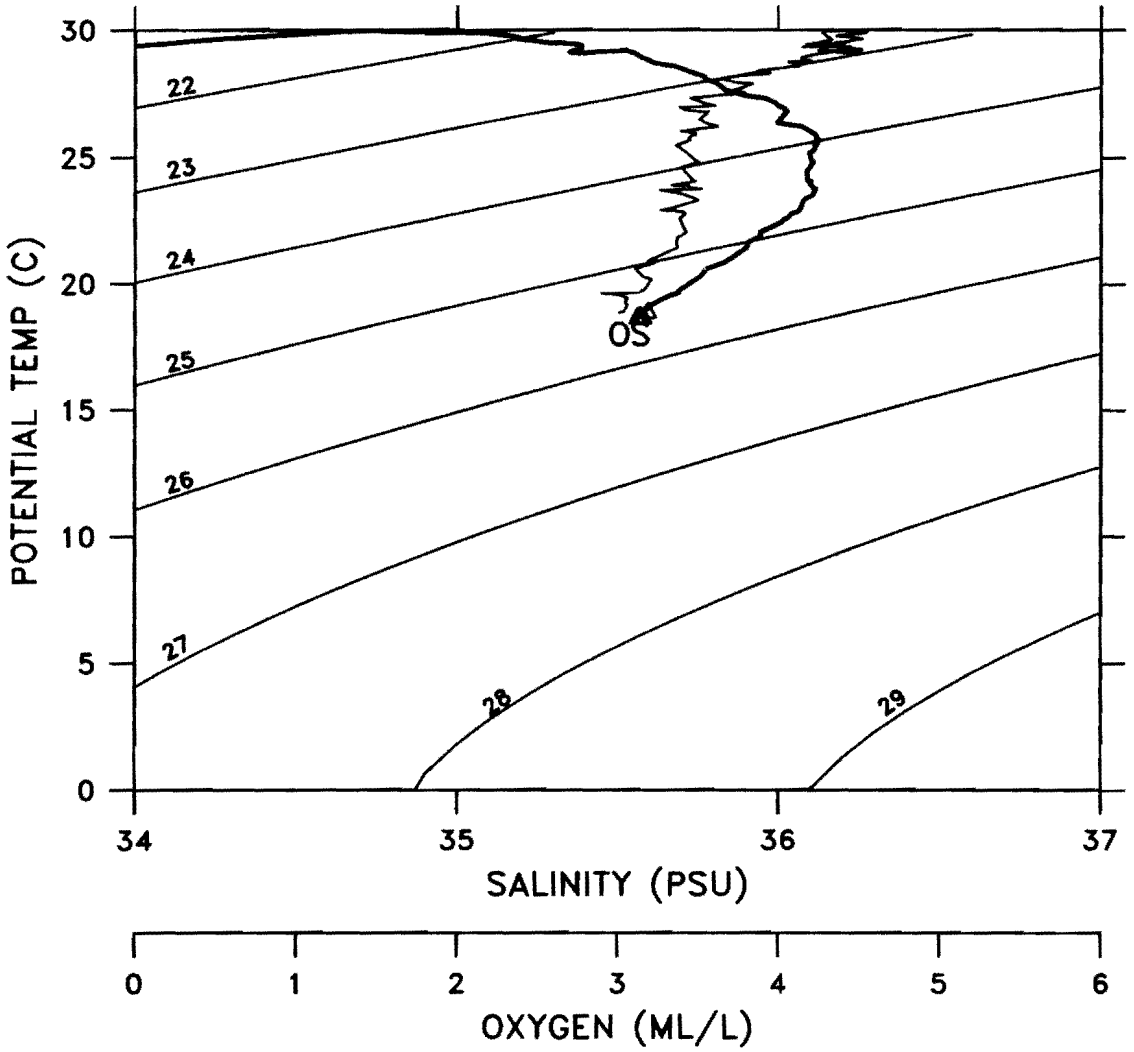
EP1-88-OC

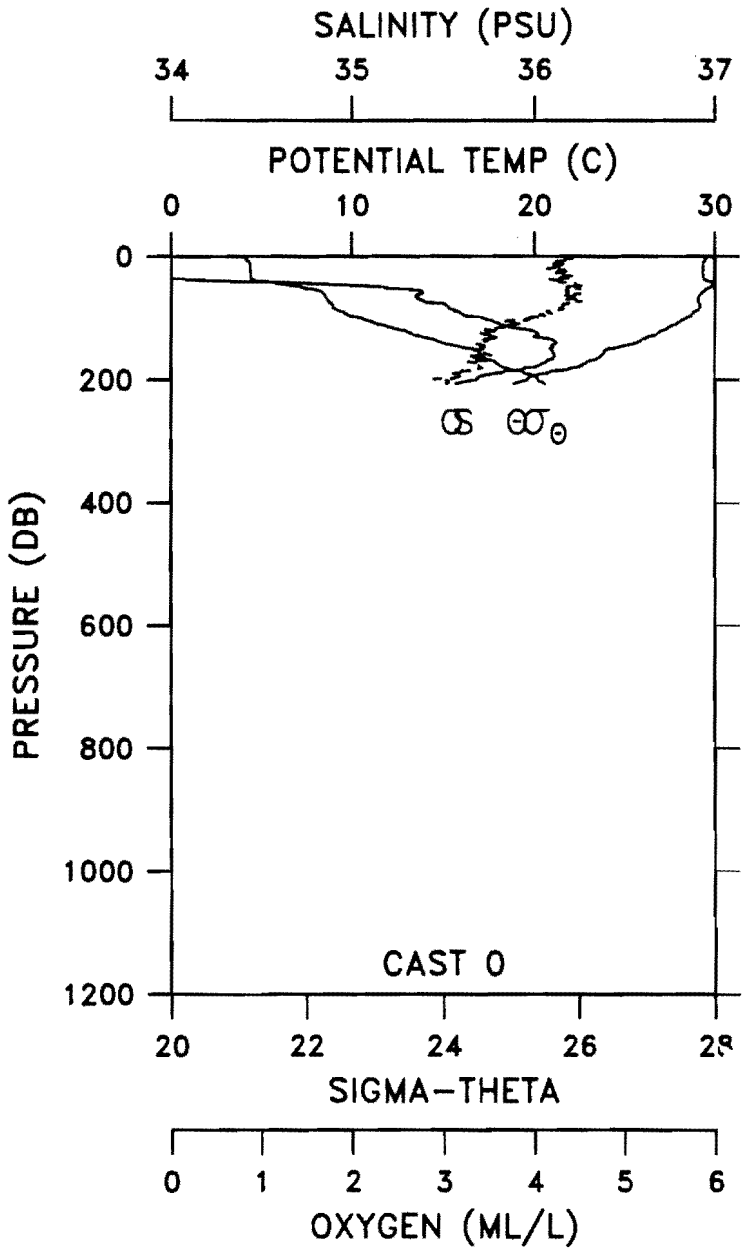
May 9–June 4, 1988

CTD/O_2 and Hydrographic Data Summary

CAST EP1-88-OC -000 DATE 12 MAY 88 TIME 0303 GMT

LAT 06 56.5S LONG 170 14.0W



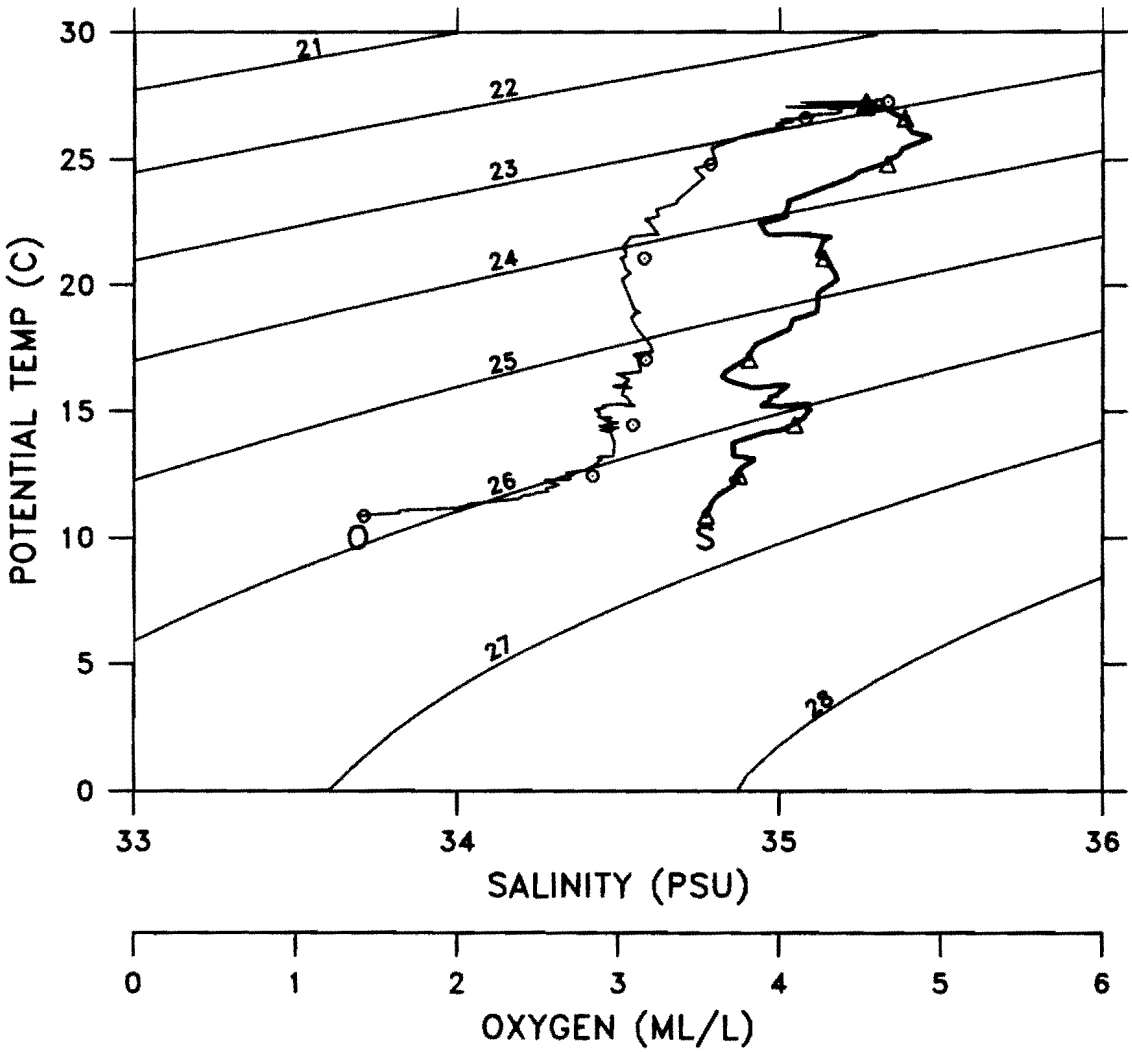


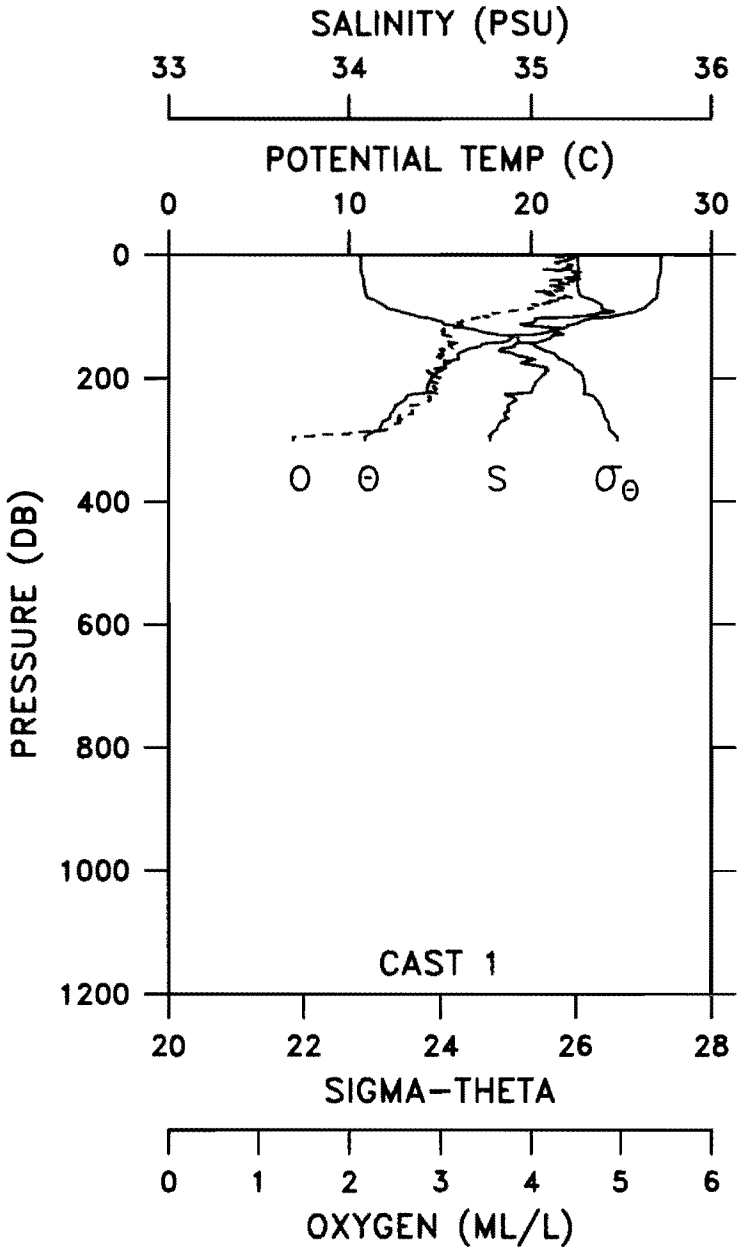
CAST EP1-88-OC -000 DATE 12 MAY 88 TIME 0303 GMT
LAT 06 56.5S LONG 170 14.0W WEATHER 1 SEA STATE 3
BAROMETER 07 WIND DIR 055 T SPD 08 KT VISIBILITY 8
CLOUD 8 AMOUNT 6 DRY 29.1 WET 25.9 DEPTH M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	29.503	33.964	4.35	21.121	0.000
10	29.358	33.964	4.18	21.169	0.066
20	29.340	33.966	4.14	21.177	0.133
30	29.348	33.978	4.29	21.183	0.199
40	29.607	34.220	4.33	21.277	0.265
50	29.765	35.166	4.36	21.934	0.326
60	29.281	35.385	4.46	22.261	0.383
70	29.084	35.376	4.36	22.320	0.439
80	29.195	35.519	4.29	22.391	0.494
90	28.851	35.586	4.15	22.556	0.548
100	28.388	35.716	3.87	22.808	0.601
110	27.875	35.808	3.84	23.046	0.650
120	27.104	35.991	3.54	23.433	0.697
130	26.332	35.996	3.55	23.682	0.741
140	25.681	36.126	3.45	23.985	0.782
150	24.123	36.090	3.47	24.432	0.820
160	23.784	36.115	3.52	24.552	0.855
170	23.048	36.069	3.35	24.732	0.889
180	22.280	35.977	3.41	24.883	0.921
190	20.601	35.775	3.11	25.194	0.951
200	19.599	35.679	2.96	25.387	0.978
207	18.840	35.568	3.01	25.498	0.996

CAST EP1-88-OC -001 DATE 13 MAY 88 TIME 0855 GMT

LAT 00 00.1S LONG 169 35.2W



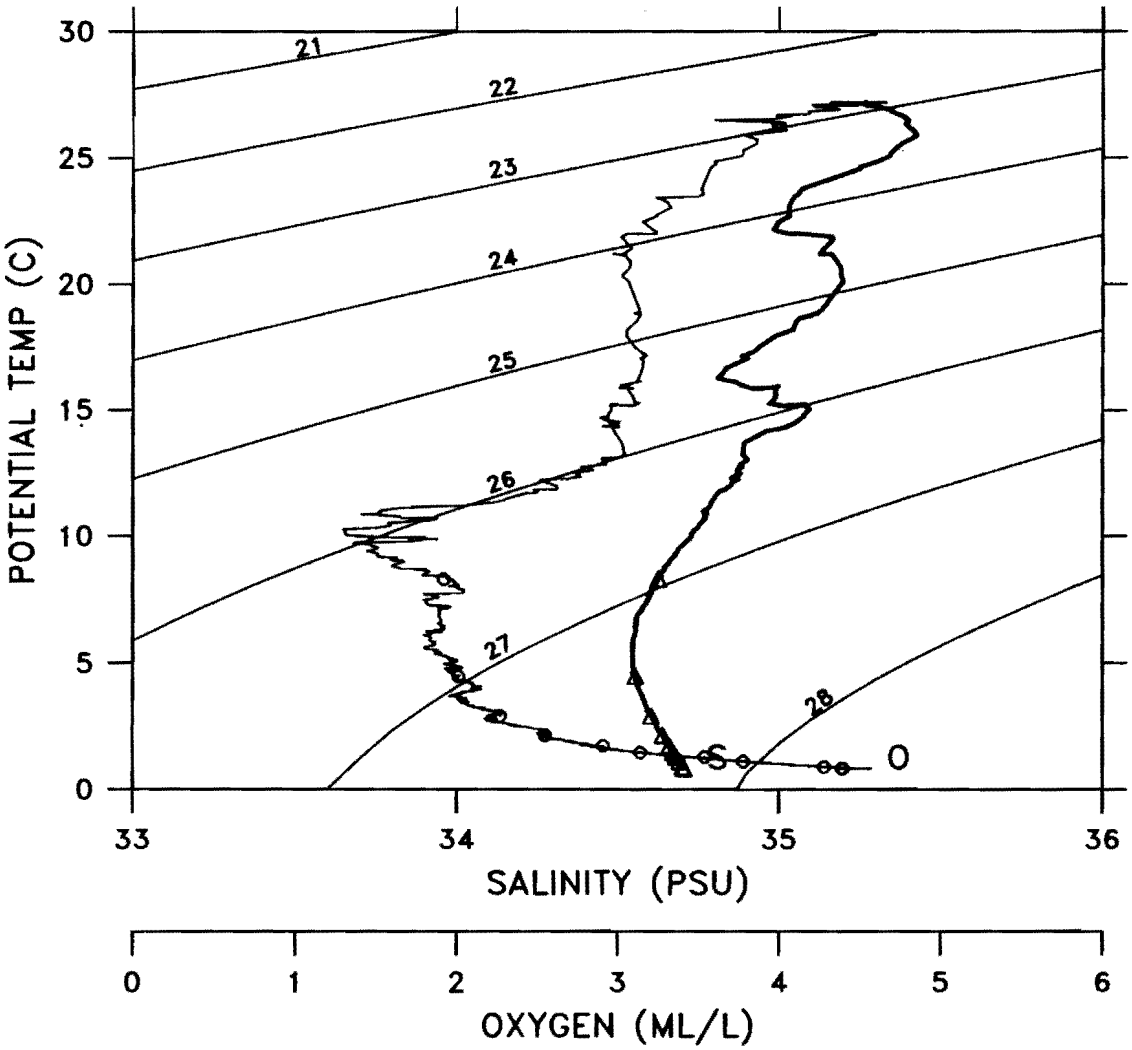


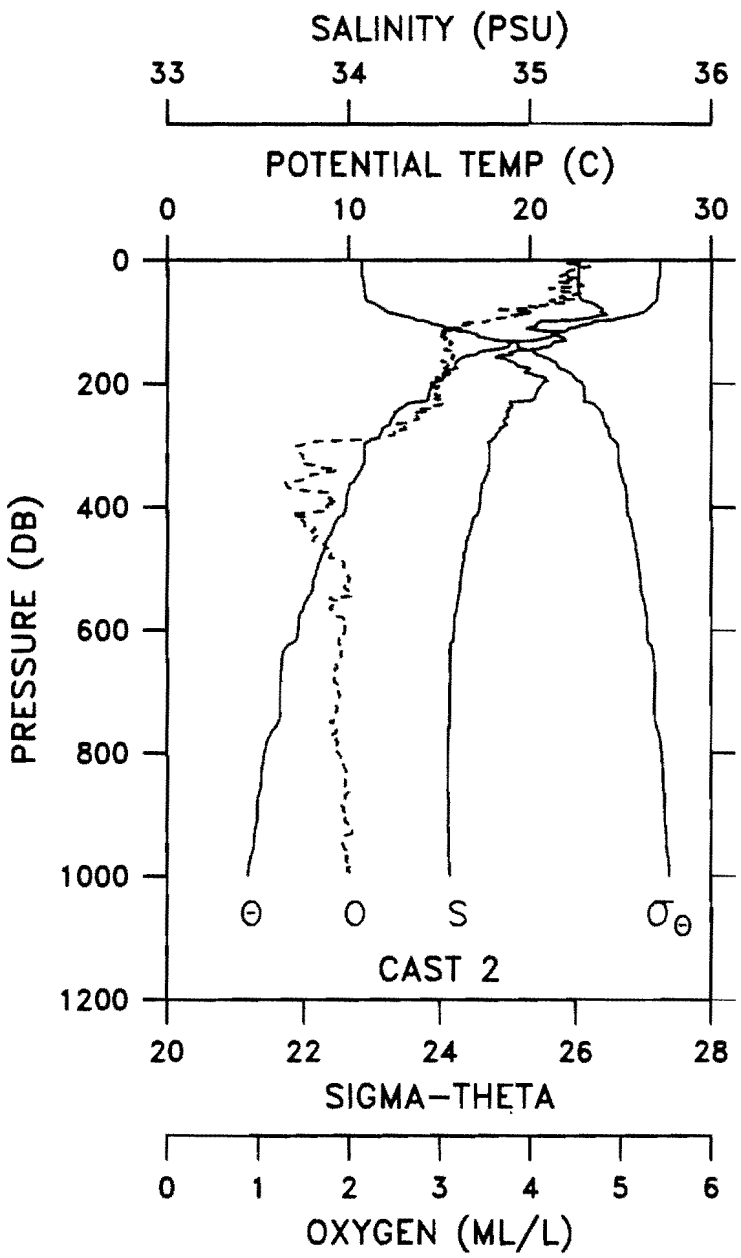
CAST EP1-88-OC -001 DATE 13 MAY 88 TIME 0855 GMT
LAT 00 00.1S LONG 169 35.2W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 105 T SPD 18 KT VISIBILITY 8
CLOUD X AMOUNT 9 DRY 26.9 WET 24.3 DEPTH 5372 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.248	35.250	4.28	22.828	0.000
10	27.251	35.261	4.36	22.836	0.050
20	27.251	35.264	4.44	22.838	0.100
30	27.216	35.261	4.59	22.848	0.151
40	27.114	35.260	4.37	22.879	0.200
50	27.084	35.262	4.19	22.890	0.250
60	27.054	35.268	4.14	22.904	0.300
70	26.987	35.316	4.30	22.962	0.350
80	26.555	35.394	4.01	23.158	0.398
90	25.988	35.434	3.81	23.367	0.445
100	24.543	35.249	3.48	23.669	0.489
110	22.658	35.001	3.19	24.034	0.529
120	21.542	35.128	3.03	24.444	0.567
130	19.719	35.120	3.05	24.928	0.600
140	18.629	35.042	3.08	25.148	0.629
150	16.936	34.881	3.12	25.439	0.656
160	15.977	34.901	3.01	25.678	0.680
170	15.776	35.002	3.03	25.801	0.703
180	15.239	35.042	3.06	25.952	0.725
190	14.841	35.081	2.88	26.070	0.746
200	14.526	35.049	2.97	26.113	0.765
250	12.472	34.874	2.72	26.400	0.858
300	10.867	34.772	1.39	26.622	0.938
301	10.866	34.772	1.38	26.623	0.939

CAST EP1-88-OC -002 DATE 13 MAY 88 TIME 1248 GMT

LAT 00 00.6S LONG 169 33.1W



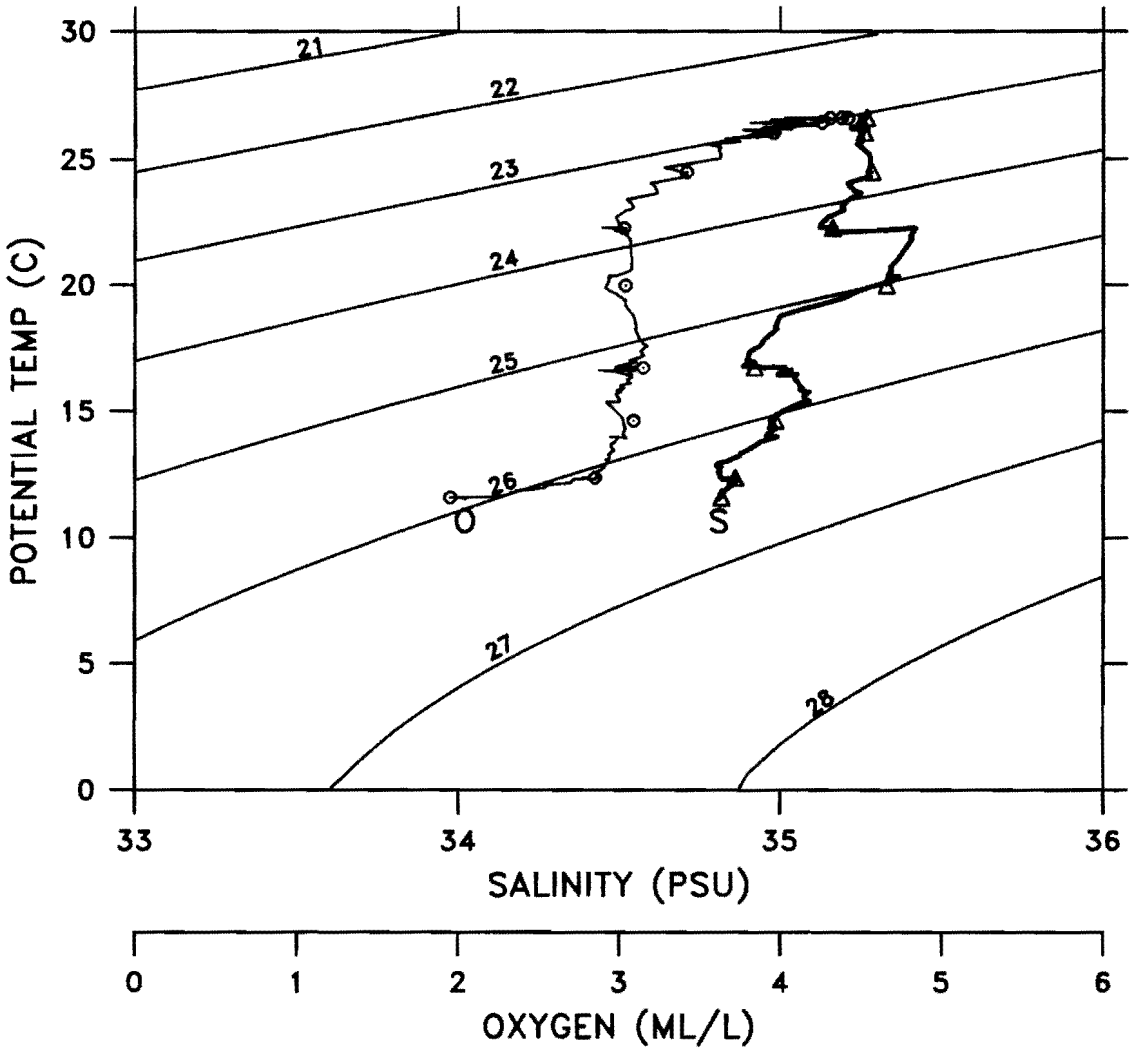


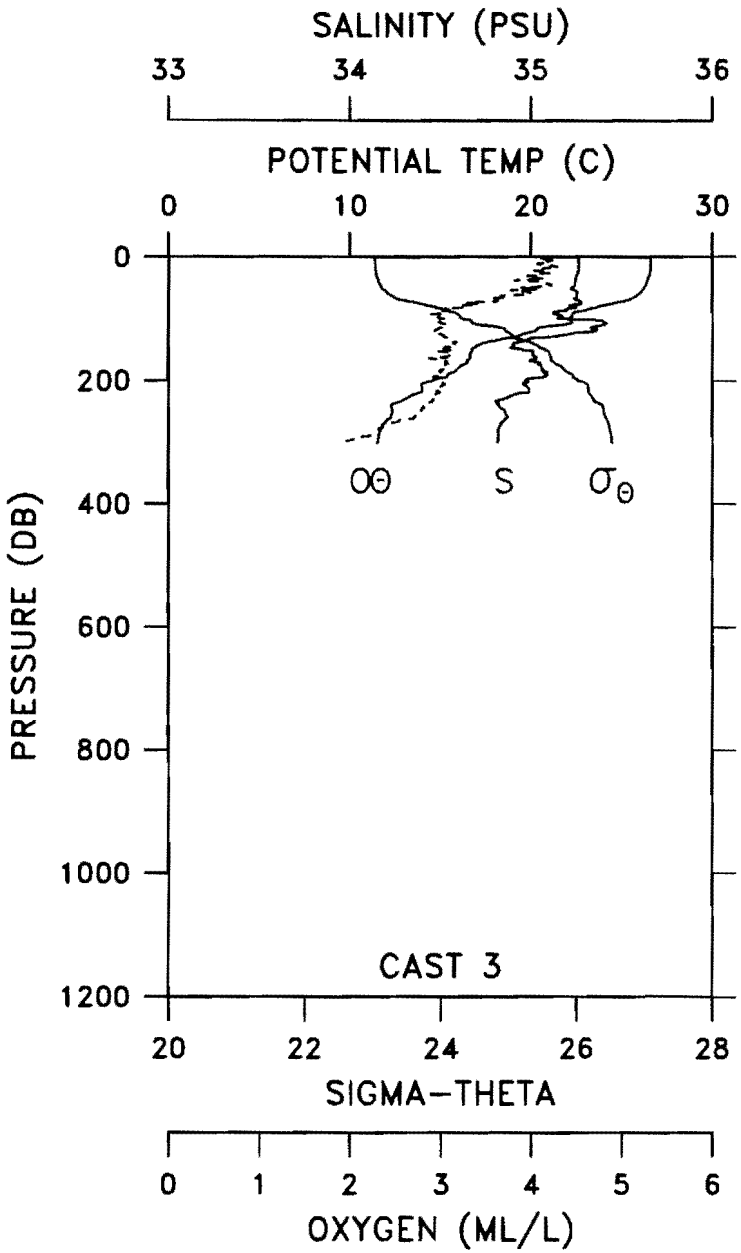
CAST EP1-88-OC -002 DATE 13 MAY 88 TIME 1248 GMT
LAT 00 00.6S LONG 169 33.1W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 105 T SPD 20 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 26.7 WET 24.0 DEPTH 5372 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.191	35.268	4.41	22.861	0.000
10	27.185	35.268	4.65	22.862	0.050
20	27.190	35.268	4.37	22:861	0.100
30	27.139	35.265	4.54	22.875	0.150
40	27.092	35.265	4.57	22.890	0.200
50	27.070	35.266	4.35	22.898	0.249
60	27.043	35.272	4.33	22.911	0.299
70	26.806	35.348	4.18	23.044	0.348
80	26.462	35.398	3.60	23.191	0.396
90	25.545	35.379	3.86	23.462	0.442
100	23.474	35.047	3.50	23.834	0.485
110	22.171	34.983	3.22	24.158	0.525
120	21.180	35.126	3.02	24.542	0.561
130	20.101	35.197	3.06	24.887	0.594
140	18.776	35.101	3.14	25.157	0.623
150	17.148	34.885	3.18	25.391	0.650
160	16.100	34.866	3.11	25.623	0.675
170	15.852	34.927	3.10	25.726	0.699
180	15.315	34.977	3.10	25.885	0.722
190	15.235	35.082	3.00	25.984	0.743
200	14.638	35.065	2.91	26.102	0.763
250	12.524	34.877	2.75	26.393	0.856
300	10.855	34.774	1.46	26.626	0.936
350	10.444	34.755	1.59	26.684	1.010
400	9.836	34.719	1.77	26.761	1.079
450	8.873	34.654	1.62	26.868	1.145
500	8.270	34.623	1.98	26.937	1.206
550	7.705	34.602	1.82	27.005	1.265
600	7.206	34.579	1.95	27.059	1.320
650	6.306	34.556	1.87	27.163	1.373
700	6.223	34.554	1.89	27.172	1.422
750	6.104	34.553	1.80	27.186	1.472
800	5.328	34.546	1.88	27.277	1.518
900	4.947	34.548	1.94	27.323	1.605
1000	4.425	34.555	1.98	27.387	1.687
1500	2.916	34.603	2.25	27.576	2.035
2000	2.106	34.640	2.54	27.675	2.313
2500	1.719	34.658	2.85	27.720	2.561
3000	1.451	34.670	3.15	27.749	2.795
3500	1.273	34.679	3.42	27.769	3.021
4000	1.103	34.691	3.79	27.790	3.242
4500	0.885	34.702	4.32	27.813	3.454
5000	0.827	34.705	4.48	27.820	3.661
5472	0.823	34.705	4.54	27.820	3.864

CAST EP1-88-OC -003 DATE 16 MAY 88 TIME 1259 GMT

LAT 00 00.2N LONG 164 59.8W



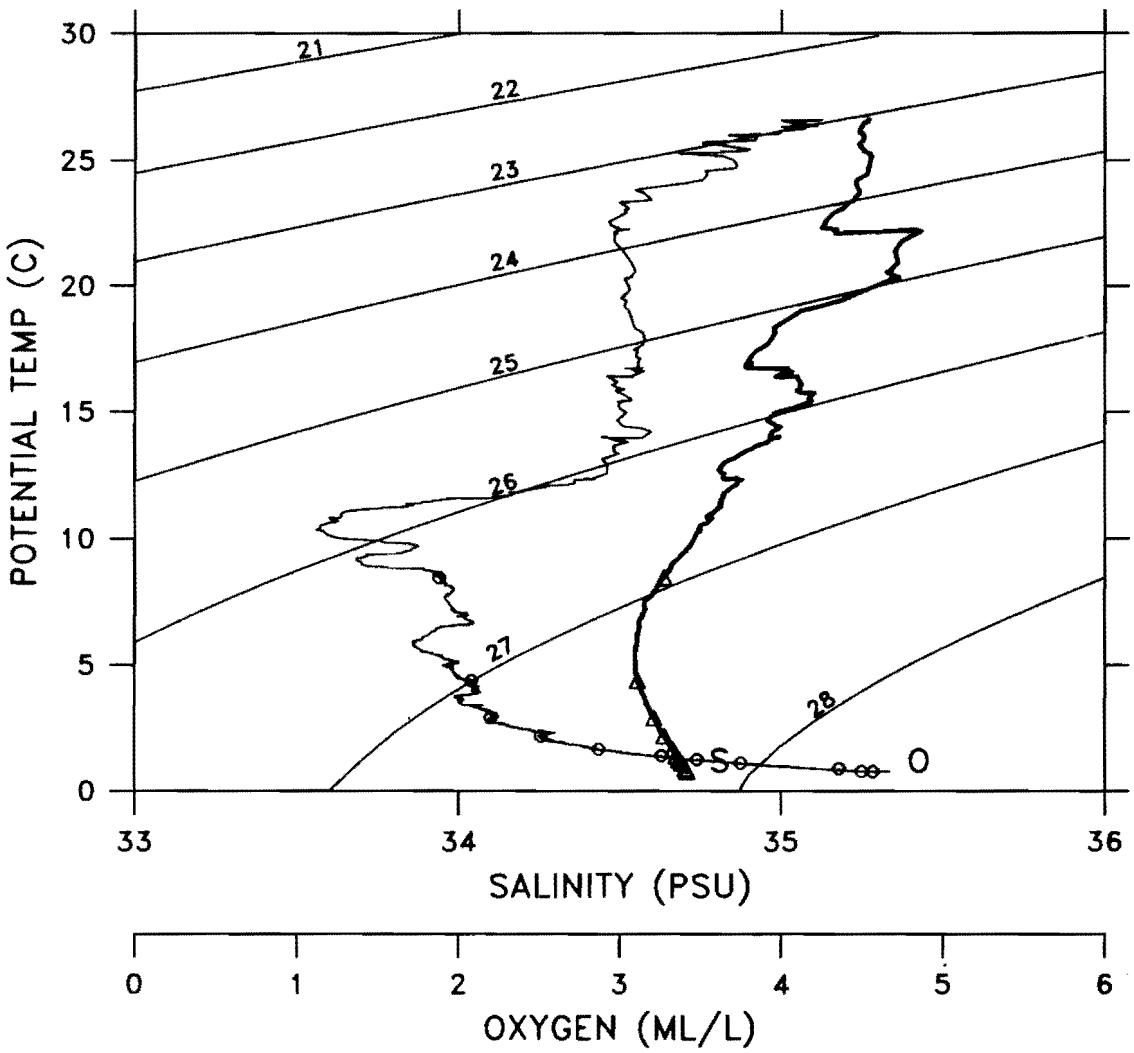


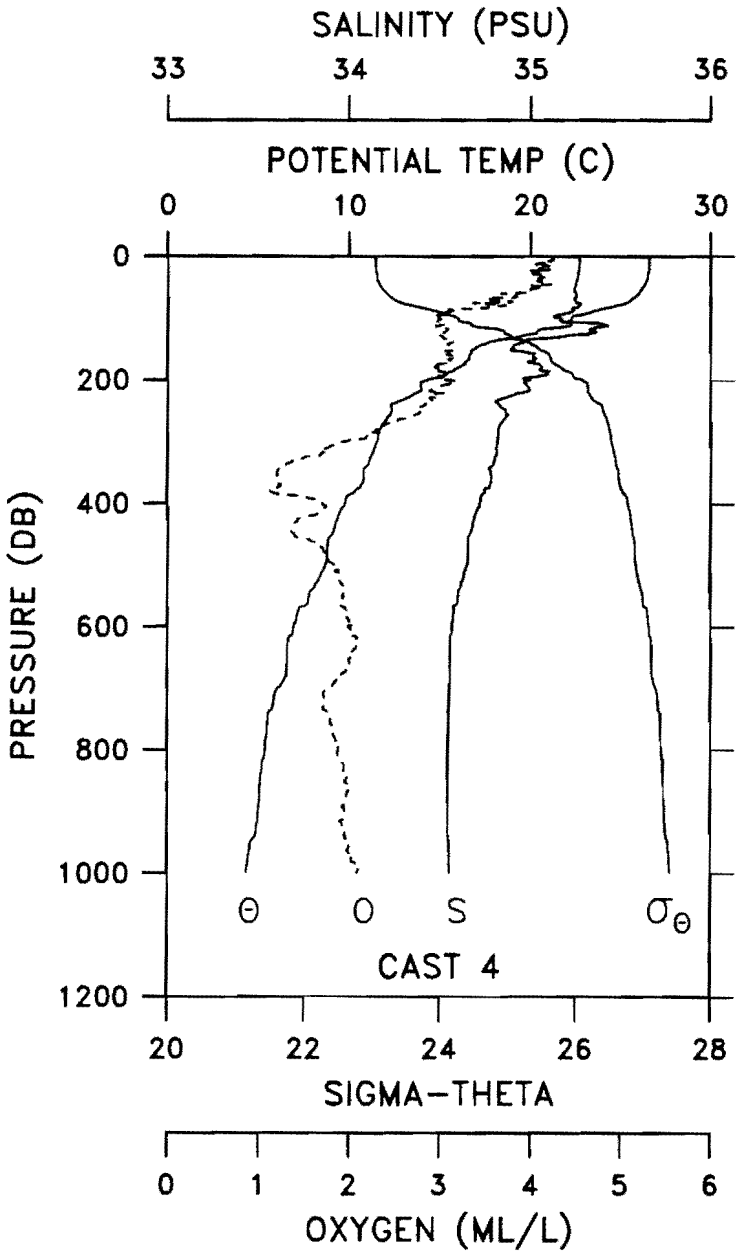
CAST EP1-88-OC -003 DATE 16 MAY 88 TIME 1259 GMT
LAT 00 00.2N LONG 164 59.8W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 090 T SPD 13 KT VISIBILITY 8
CLOUD X AMOUNT 2 DRY 26.4 WET 24.0 DEPTH 5791 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.607	35.264	4.10	23.044	0.000
10	26.613	35.266	4.21	23.043	0.048
20	26.606	35.266	4.09	23.045	0.096
30	26.535	35.254	4.03	23.059	0.145
40	26.401	35.246	4.08	23.095	0.192
50	26.221	35.220	3.89	23.132	0.240
60	25.951	35.254	3.94	23.242	0.287
70	25.325	35.262	3.62	23.442	0.333
80	23.733	35.231	3.24	23.897	0.375
90	22.371	35.125	3.00	24.210	0.414
100	22.100	35.174	3.03	24.324	0.451
110	21.855	35.410	3.07	24.571	0.486
120	20.253	35.340	2.94	24.955	0.518
130	19.082	35.081	3.05	25.063	0.547
140	17.276	34.904	3.14	25.375	0.575
150	16.719	34.955	3.10	25.547	0.601
160	16.599	35.014	3.10	25.621	0.625
170	16.456	35.042	3.06	25.676	0.649
180	15.948	35.062	3.01	25.808	0.672
190	15.414	35.091	3.00	25.951	0.694
200	14.615	34.968	3.03	26.032	0.715
250	12.368	34.856	2.78	26.407	0.806
300	11.557	34.811	2.05	26.527	0.886
301	11.515	34.811	2.04	26.534	0.888

CAST EP1-88-OC -004 DATE 16 MAY 88 TIME 1620 GMT

LAT 00 00.6S LONG 164 54.1W



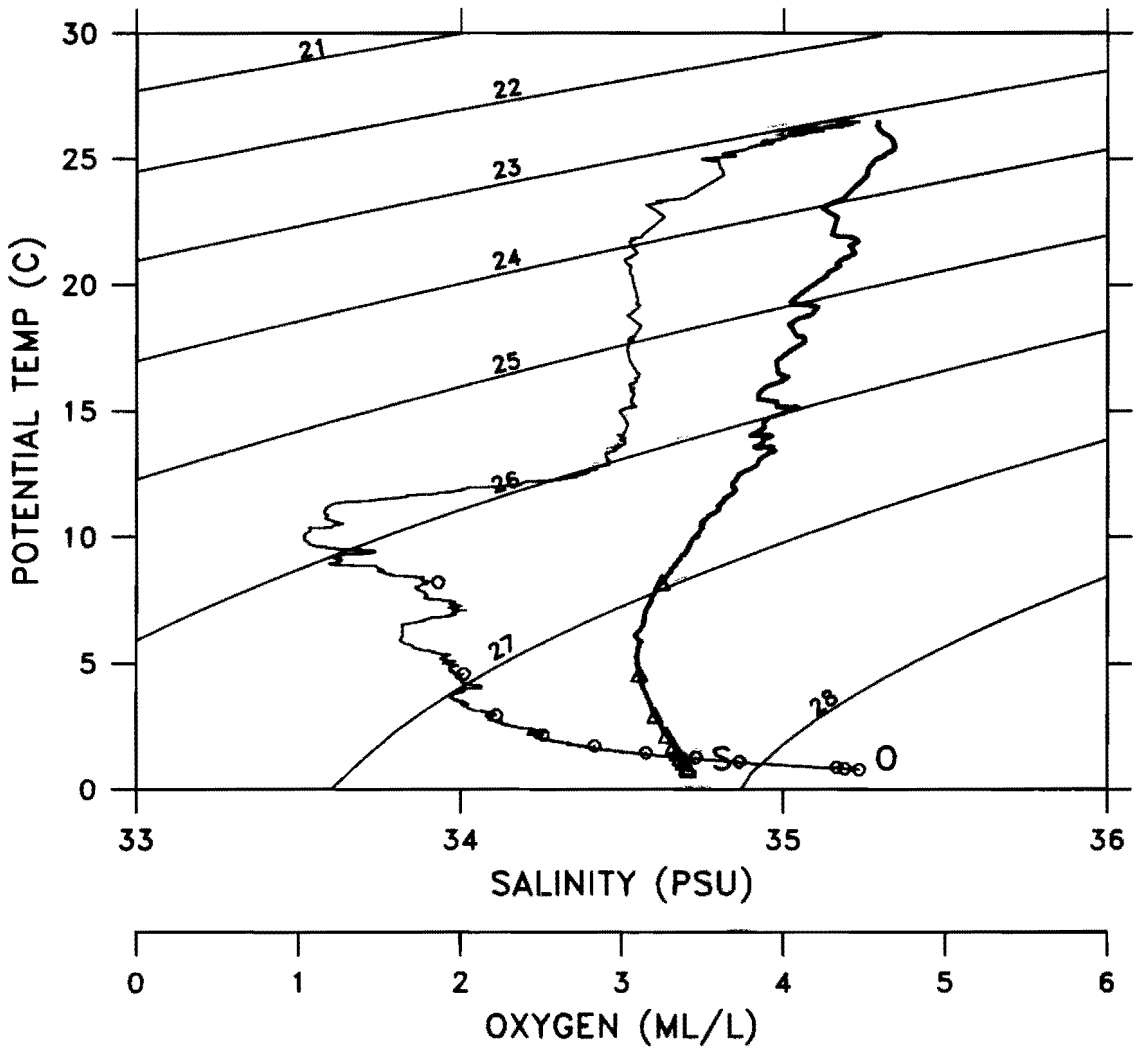


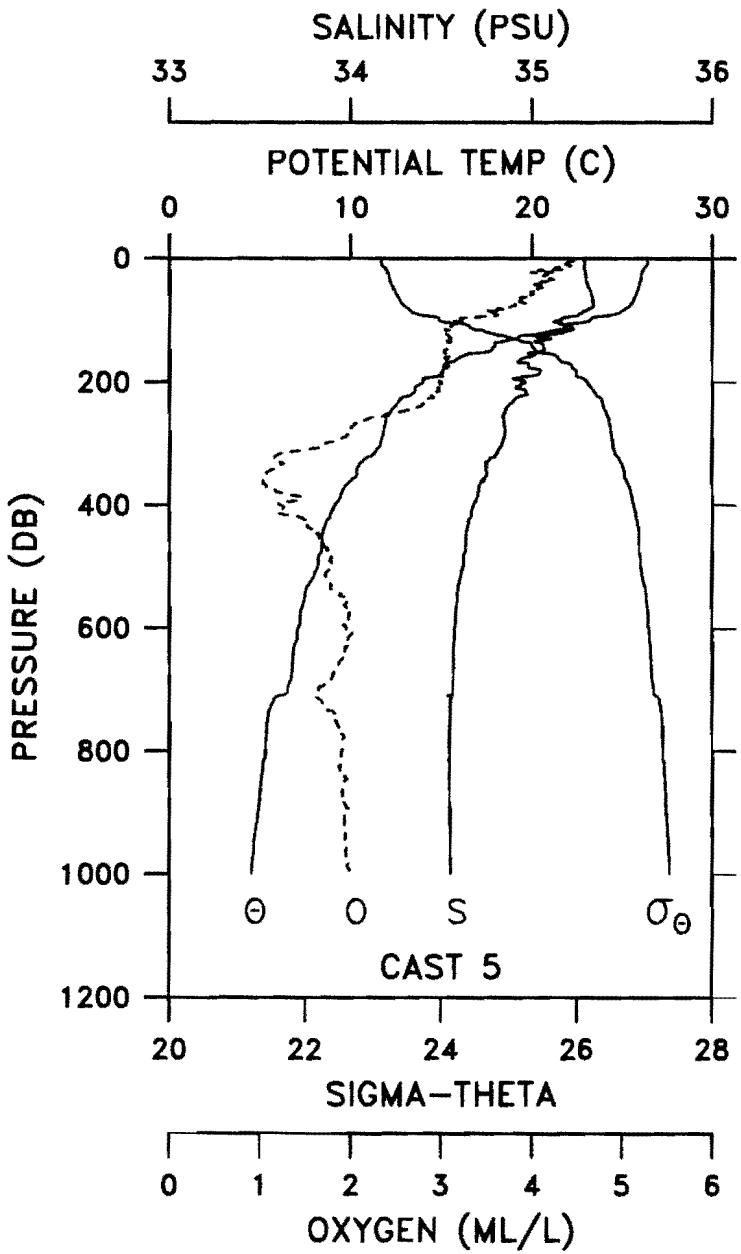
CAST EP1-88-OC -004 DATE 16 MAY 88 TIME 1620 GMT
LAT 00 00.6S LONG 164 54.1W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 090 T SPD 14 KT VISIBILITY 8
CLOUD 8 AMOUNT 1 DRY 25.9 WET 24.2 DEPTH 5788 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.585	35.273	4.25	23.057	0.000
10	26.586	35.272	4.20	23.056	0.048
20	26.562	35.269	4.08	23.062	0.096
30	26.501	35.263	4.12	23.077	0.144
40	26.405	35.254	4.09	23.100	0.192
50	26.237	35.245	4.15	23.146	0.240
60	26.002	35.253	3.67	23.225	0.287
70	25.582	35.244	3.65	23.349	0.333
80	24.691	35.268	3.72	23.639	0.377
90	23.367	35.219	3.10	23.995	0.418
100	22.268	35.171	2.99	24.273	0.456
110	22.260	35.413	3.06	24.460	0.492
120	20.362	35.355	3.08	24.938	0.525
130	19.317	35.152	3.03	25.057	0.555
140	17.587	34.943	3.12	25.331	0.584
150	16.887	34.891	3.11	25.458	0.610
160	16.634	35.013	3.15	25.611	0.634
170	16.410	34.983	3.06	25.641	0.658
180	16.014	35.060	2.97	25.792	0.682
190	15.411	35.095	2.99	25.955	0.703
200	14.347	34.993	3.14	26.108	0.724
250	12.375	34.862	2.81	26.410	0.815
300	11.522	34.813	1.88	26.535	0.895
350	10.822	34.781	1.20	26.637	0.971
400	9.772	34.721	1.71	26.773	1.043
450	9.061	34.669	1.40	26.849	1.108
500	8.684	34.650	1.86	26.895	1.171
550	7.795	34.602	1.94	26.992	1.232
600	6.930	34.571	1.99	27.091	1.287
650	6.596	34.561	2.02	27.128	1.339
700	6.047	34.552	1.77	27.193	1.390
750	5.523	34.551	1.79	27.257	1.436
800	5.363	34.548	1.88	27.274	1.481
900	4.992	34.548	1.96	27.318	1.568
1000	4.317	34.558	2.09	27.401	1.650
1500	2.870	34.607	2.19	27.583	1.991
2000	2.177	34.637	2.51	27.667	2.272
2500	1.698	34.661	2.84	27.724	2.520
3000	1.409	34.675	3.19	27.756	2.751
3500	1.244	34.683	3.47	27.774	2.974
4000	1.115	34.692	3.70	27.790	3.194
4500	0.887	34.703	4.24	27.814	3.406
5000	0.781	34.708	4.48	27.825	3.610
5836	0.771	34.708	4.65	27.826	3.965

CAST EP1-88-OC -005 DATE 18 MAY 88 TIME 0152 GMT

LAT 00 04.1N LONG 160 01.2W



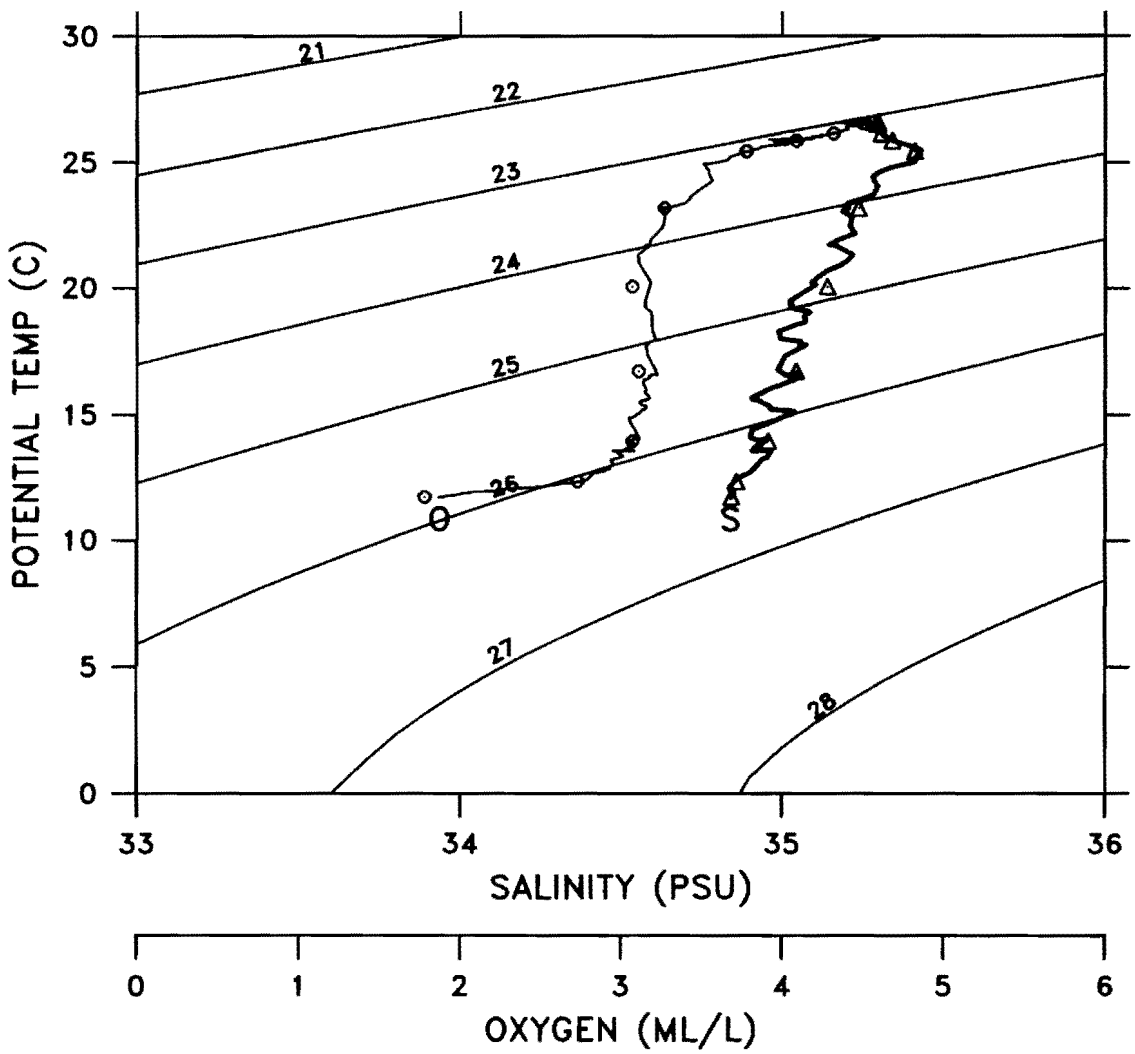


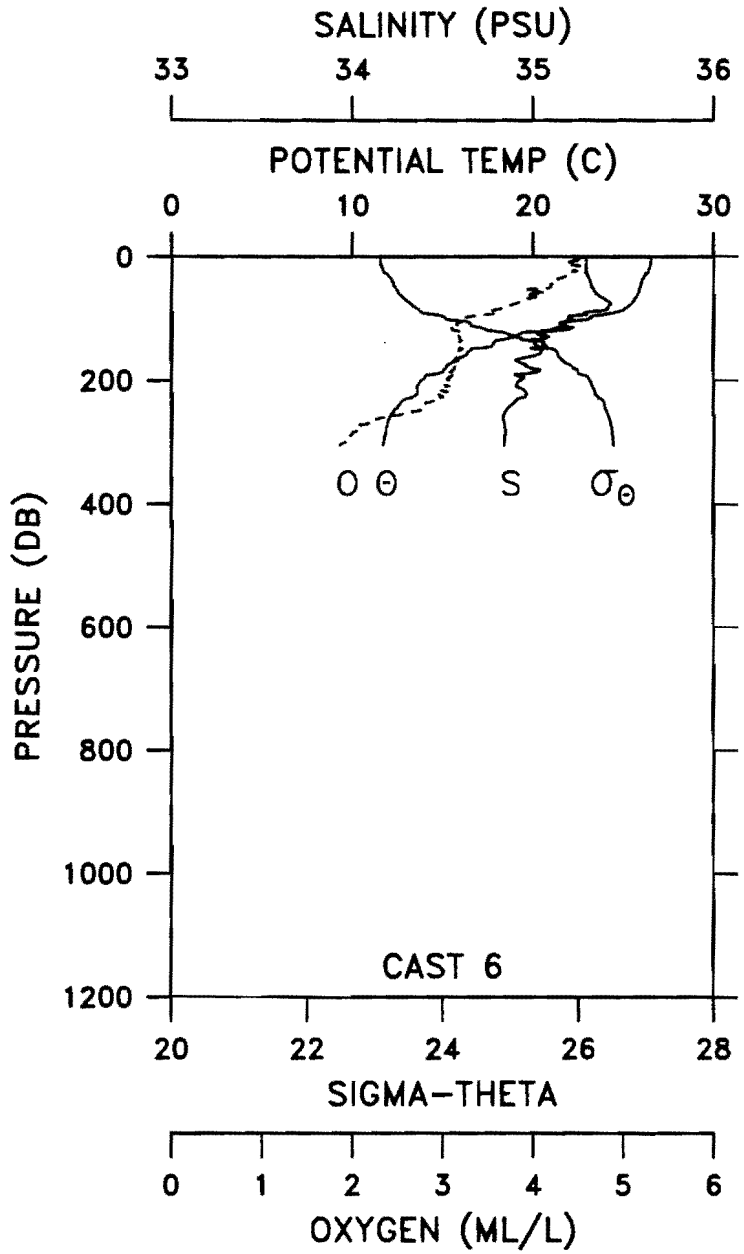
CAST EP1-88-OC -005 DATE 18 MAY 88 TIME 0152 GMT
LAT 00 04.1N LONG 160 01.2W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 095 T SPD 21 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 27.7 WET 25.7 DEPTH 5106 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.439	35.291	4.46	23.117	0.000
10	26.400	35.293	4.39	23.131	0.047
20	26.137	35.295	4.10	23.215	0.094
30	26.074	35.300	4.20	23.239	0.141
40	25.996	35.305	4.14	23.267	0.187
50	25.896	35.320	4.07	23.309	0.233
60	25.761	35.333	3.97	23.361	0.279
70	25.615	35.338	3.86	23.410	0.324
80	25.258	35.328	3.69	23.512	0.369
90	24.643	35.264	3.60	23.651	0.412
100	23.275	35.158	3.25	23.976	0.453
110	21.875	35.216	3.12	24.418	0.490
120	20.737	35.174	3.05	24.699	0.524
130	19.115	35.107	3.10	25.075	0.555
140	17.961	35.060	3.07	25.329	0.583
150	17.734	35.067	3.05	25.390	0.610
160	16.054	34.964	3.04	25.708	0.634
170	15.277	34.980	3.07	25.897	0.657
180	15.135	35.045	3.06	25.978	0.678
190	14.911	35.000	2.99	25.992	0.699
200	13.988	34.964	3.00	26.163	0.718
250	12.213	34.853	2.53	26.434	0.806
300	11.645	34.836	1.73	26.529	0.886
350	10.335	34.751	1.06	26.700	0.961
400	9.147	34.680	1.24	26.845	1.028
450	8.459	34.639	1.66	26.921	1.090
500	8.206	34.623	1.80	26.947	1.150
550	7.477	34.591	1.93	27.029	1.208
600	7.131	34.576	1.95	27.066	1.263
650	6.848	34.570	1.91	27.101	1.316
700	6.533	34.567	1.65	27.142	1.369
750	5.419	34.549	1.82	27.268	1.415
800	5.302	34.548	1.91	27.281	1.460
900	4.899	34.549	1.95	27.330	1.546
1000	4.543	34.554	1.99	27.373	1.628
1500	2.945	34.603	2.21	27.573	1.980
2000	2.143	34.640	2.48	27.672	2.260
2500	1.729	34.661	2.74	27.721	2.507
3000	1.458	34.673	3.08	27.751	2.740
3500	1.267	34.682	3.38	27.772	2.966
4000	1.098	34.693	3.70	27.792	3.186
4500	0.890	34.704	4.16	27.815	3.395
5000	0.808	34.708	4.39	27.823	3.601
5148	0.795	34.709	4.44	27.825	3.663

CAST EP1-88-OC -006 DATE 18 MAY 88 TIME 0429 GMT

LAT 00 00.9S LONG 159 59.9W



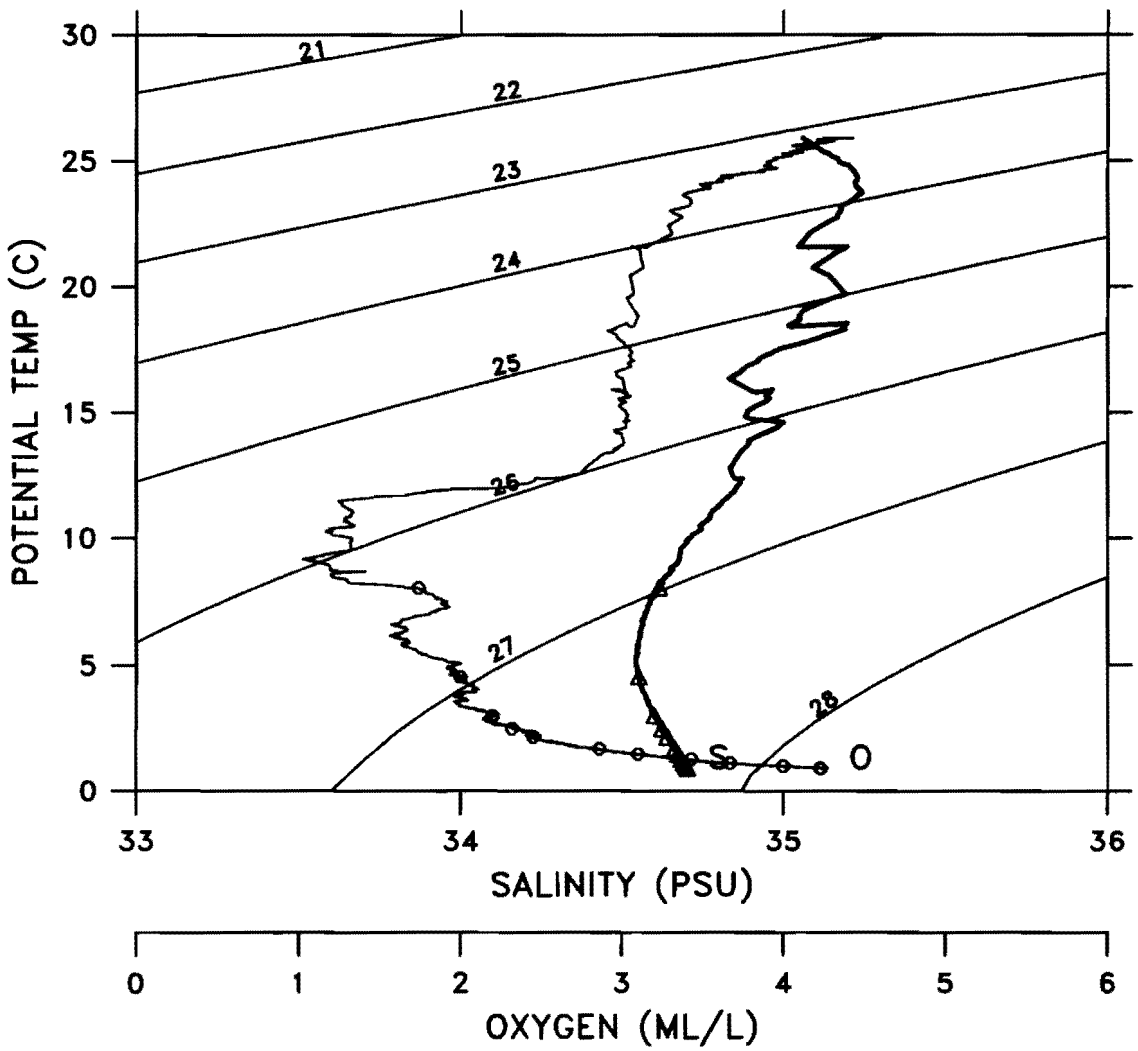


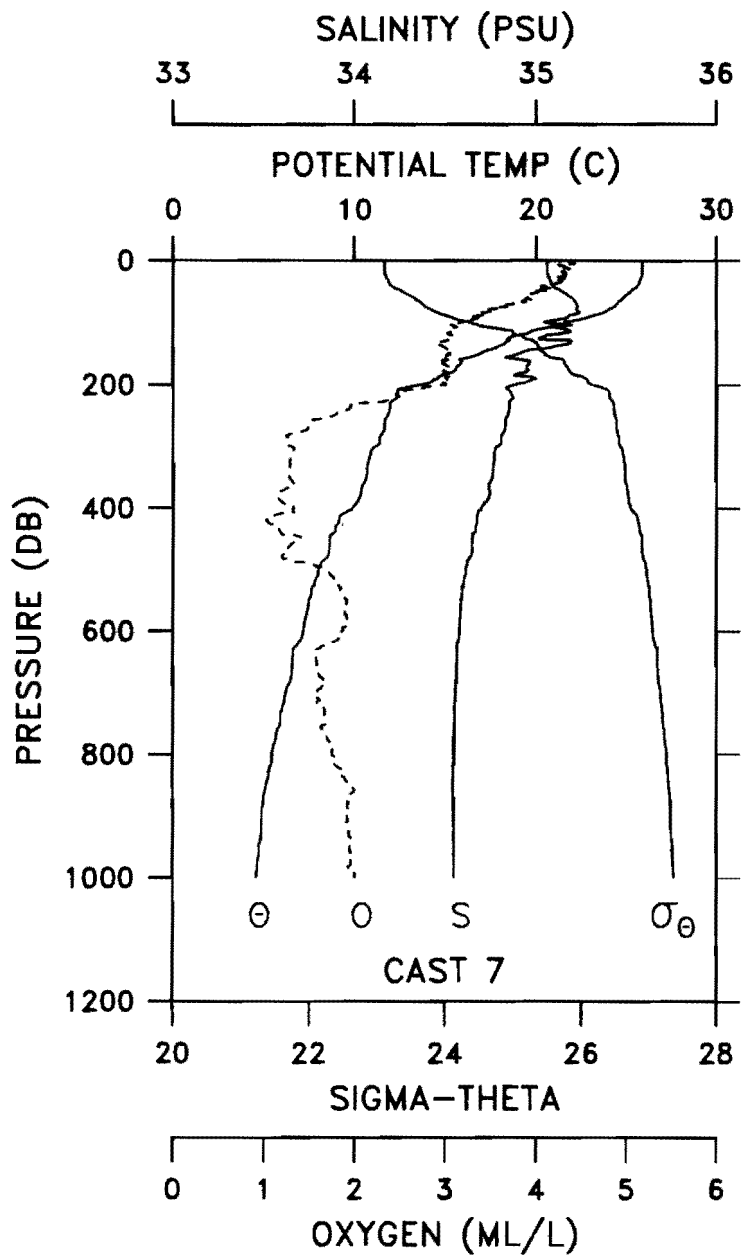
CAST EP1-88-OC -006 DATE 18 MAY 88 TIME 0429 GMT
LAT 00 00.9S LONG 159 59.9W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 105 T SPD 17 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 26.5 WET 24.4 DEPTH 5161 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.554	35.294	4.55	23.083	0.000
10	26.551	35.294	4.40	23.084	0.048
20	26.447	35.292	4.43	23.115	0.095
30	26.214	35.303	4.37	23.197	0.143
40	26.044	35.314	4.24	23.258	0.189
50	25.930	35.328	4.19	23.305	0.235
60	25.816	35.352	4.04	23.358	0.281
70	25.615	35.403	3.88	23.459	0.326
80	25.272	35.418	3.71	23.576	0.370
90	24.556	35.294	3.55	23.699	0.413
100	23.115	35.194	3.26	24.049	0.453
110	21.732	35.165	3.16	24.420	0.489
120	20.220	35.090	3.18	24.774	0.524
130	18.888	35.068	3.19	25.103	0.554
140	17.837	35.059	3.17	25.359	0.581
150	16.583	35.052	3.21	25.654	0.607
160	16.251	35.010	3.14	25.699	0.631
170	15.568	34.925	3.14	25.788	0.654
180	15.190	34.987	3.13	25.921	0.675
190	14.414	34.907	3.09	26.028	0.696
200	13.829	34.927	3.09	26.167	0.715
250	12.279	34.850	2.68	26.419	0.804
300	11.734	34.844	1.92	26.519	0.885
305	11.696	34.842	1.87	26.525	0.893

CAST EP1-88-OC -007 DATE 19 MAY 88 TIME 0752 GMT

LAT 00 00.0N LONG 153 58.8W



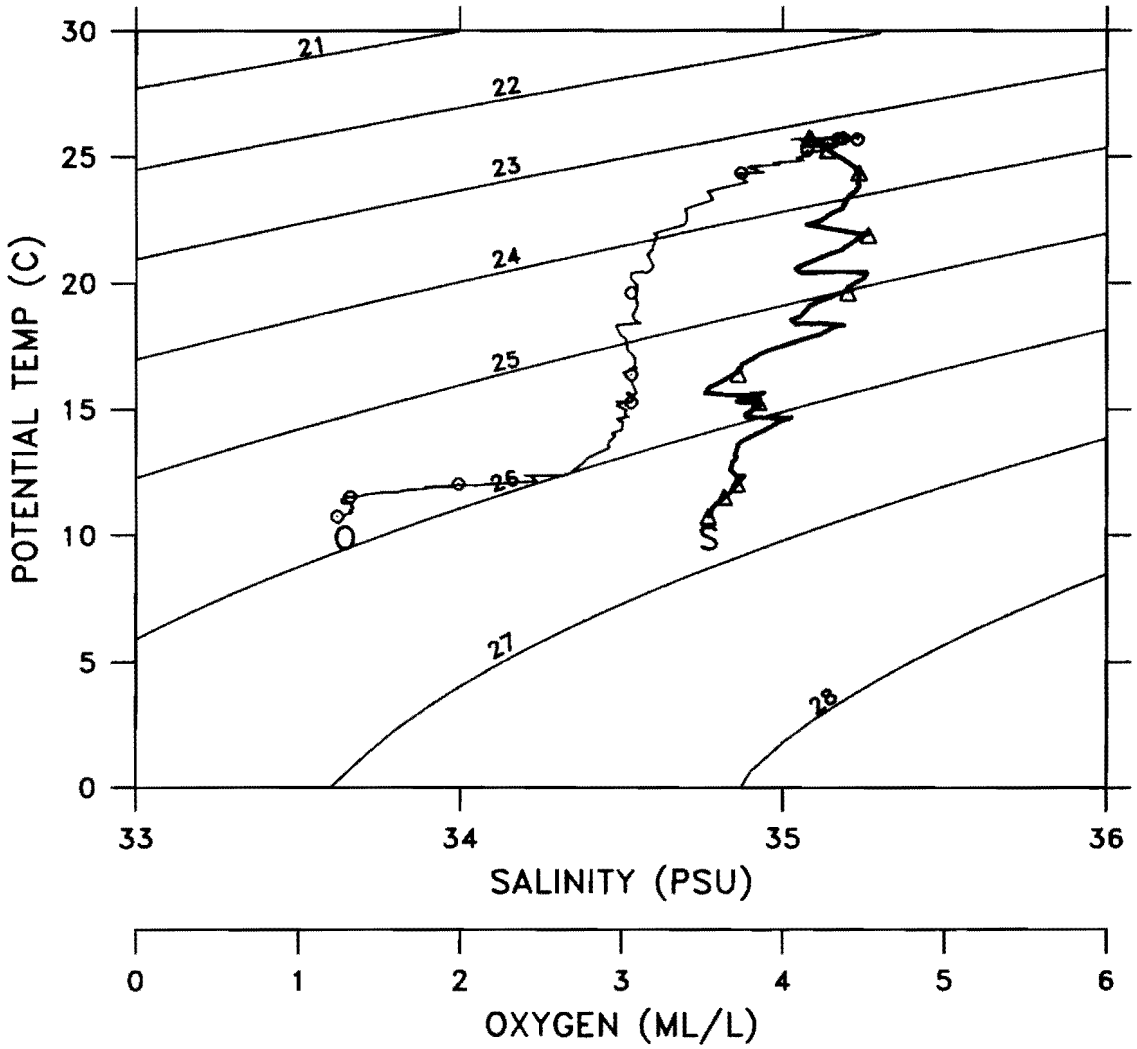


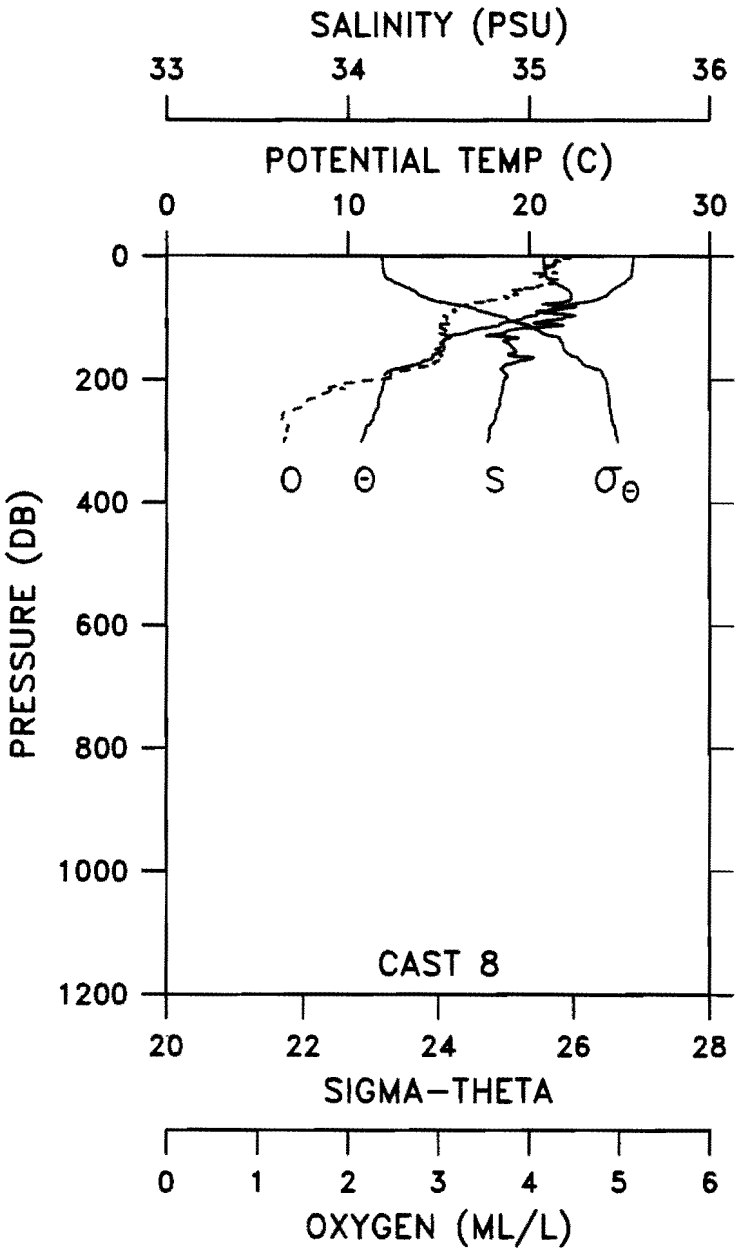
CAST EP1-88-OC -007 DATE 19 MAY 88 TIME 0752 GMT
LAT 00 00.0N LONG 153 58.8W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 085 T SPD 19 KT VISIBILITY 8
CLOUD X AMOUNT 1 DRY 25.5 WET 24.2 DEPTH 4778 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.894	35.059	4.41	23.113	0.000
10	25.895	35.060	4.33	23.114	0.047
20	25.895	35.061	4.30	23.114	0.095
30	25.771	35.075	4.31	23.163	0.142
40	25.641	35.090	4.11	23.214	0.189
50	25.234	35.144	4.02	23.380	0.235
60	24.822	35.201	3.90	23.549	0.280
70	24.470	35.222	3.76	23.671	0.323
80	23.955	35.225	3.55	23.827	0.365
90	23.013	35.176	3.30	24.065	0.405
100	21.552	35.058	3.15	24.388	0.442
110	20.264	35.152	3.05	24.809	0.476
120	19.058	35.061	3.08	25.054	0.506
130	18.439	35.184	2.98	25.305	0.534
140	17.844	35.077	3.00	25.371	0.561
150	16.962	34.908	3.03	25.453	0.587
160	15.805	34.914	3.03	25.727	0.612
170	15.696	34.946	3.03	25.776	0.635
180	15.431	34.944	3.02	25.834	0.657
190	14.605	35.001	3.03	26.059	0.678
200	13.772	34.895	3.01	26.154	0.698
250	11.845	34.844	1.79	26.498	0.781
300	11.183	34.790	1.30	26.580	0.859
350	10.672	34.760	1.28	26.648	0.933
400	9.890	34.700	1.33	26.737	1.004
450	8.664	34.652	1.35	26.899	1.069
500	8.027	34.614	1.68	26.967	1.130
550	7.491	34.588	1.91	27.025	1.187
600	7.184	34.579	1.86	27.061	1.242
650	6.567	34.565	1.58	27.136	1.295
700	6.198	34.559	1.60	27.179	1.345
750	5.879	34.553	1.68	27.215	1.394
800	5.435	34.547	1.76	27.265	1.440
900	4.888	34.548	1.92	27.330	1.527
1000	4.558	34.551	2.01	27.370	1.610
1500	2.878	34.605	2.14	27.581	1.960
2000	2.121	34.641	2.45	27.674	2.238
2500	1.690	34.662	2.81	27.725	2.486
3000	1.458	34.673	3.10	27.751	2.717
3500	1.260	34.684	3.36	27.774	2.943
4000	1.109	34.693	3.63	27.791	3.161
4500	0.988	34.698	3.96	27.803	3.378
4850	0.898	34.703	4.28	27.813	3.528

CAST EP1-88-OC -008 DATE 19 MAY 88 TIME 1026 GMT

LAT 00 00.1S LONG 153 57.2W



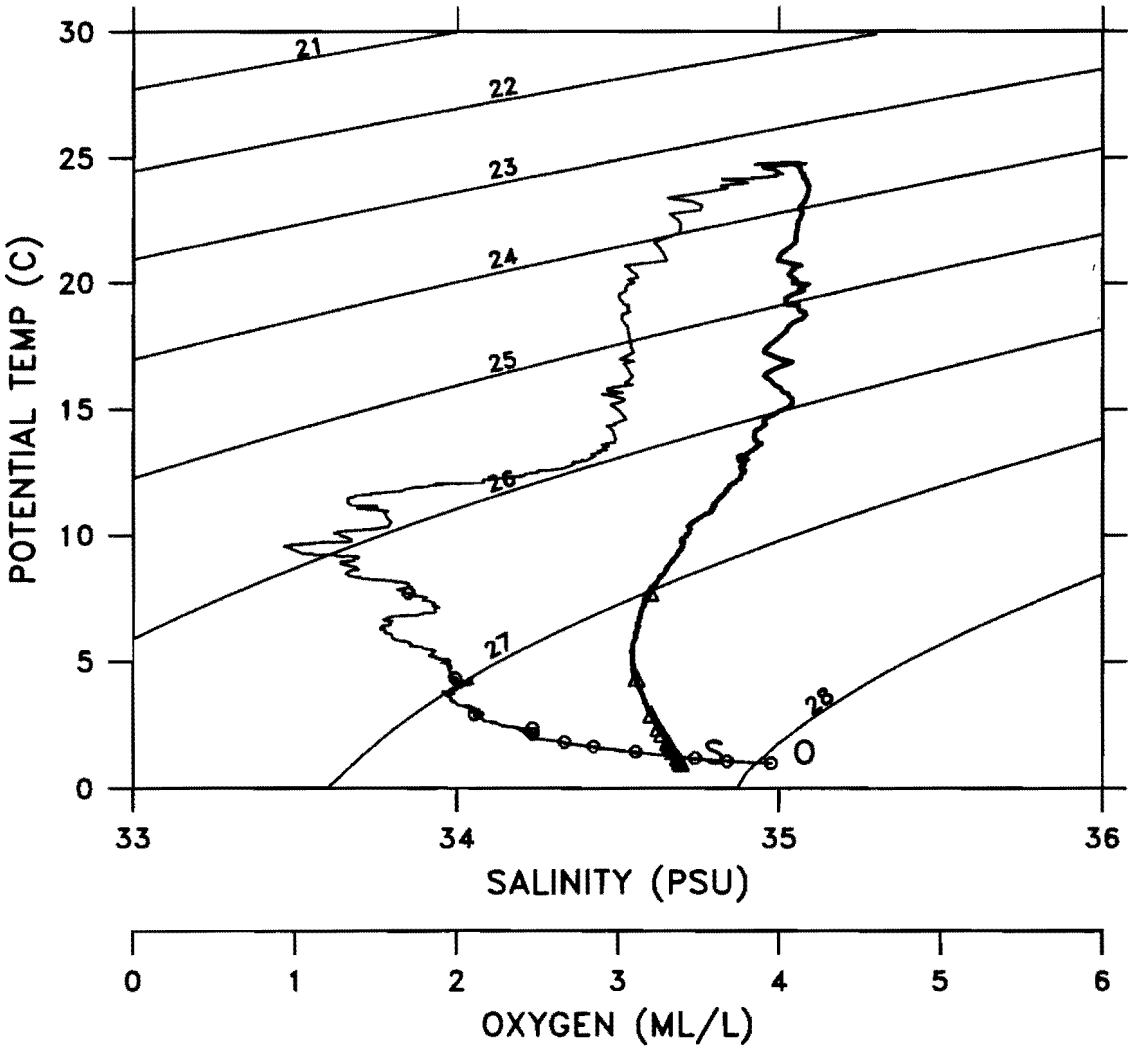


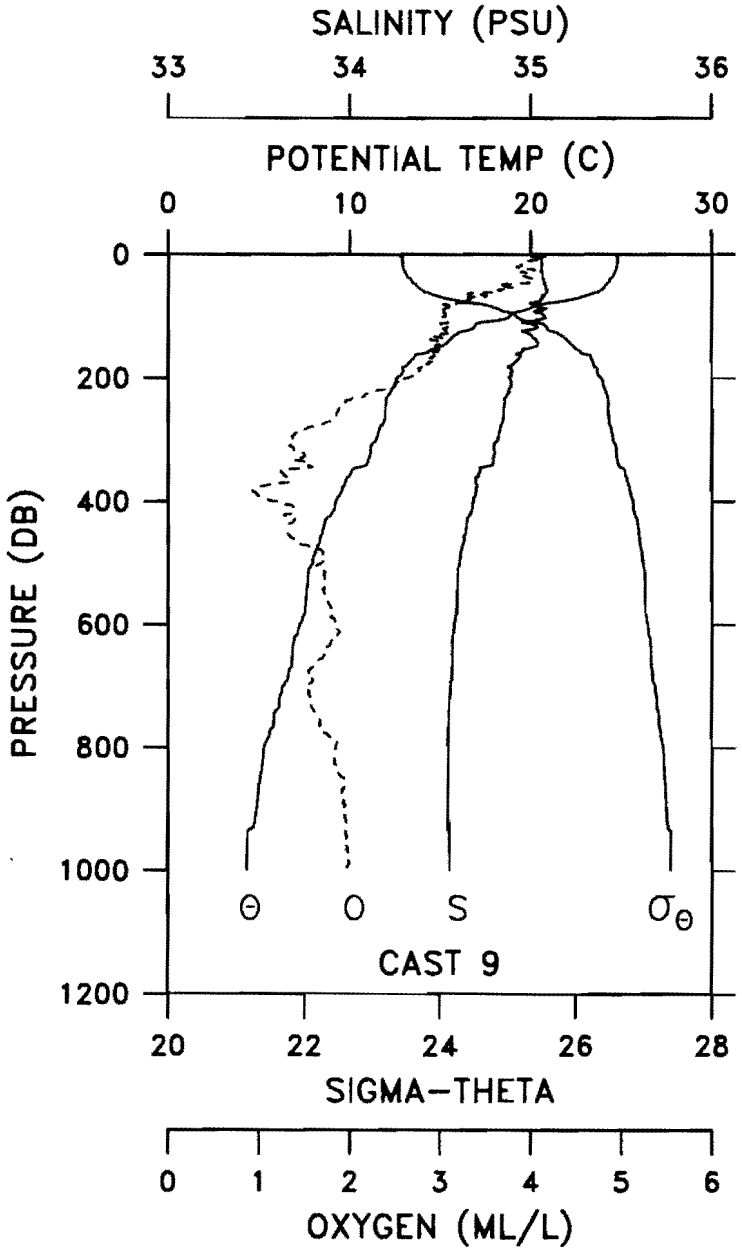
CAST EP1-88-OC -008 DATE 19 MAY 88 TIME 1026 GMT
LAT 00 00.1S LONG 153 57.2W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 080 T SPD 18 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 25.5 WET 24.0 DEPTH 4786 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.764	35.080	4.46	23.169	0.000
10	25.754	35.080	4.32	23.172	0.047
20	25.727	35.084	4.20	23.183	0.094
30	25.681	35.089	4.18	23.202	0.141
40	25.375	35.126	4.31	23.323	0.187
50	24.881	35.188	4.12	23.521	0.232
60	24.427	35.230	3.83	23.690	0.275
70	23.814	35.236	3.66	23.876	0.316
80	22.063	35.183	3.26	24.340	0.355
90	20.565	35.038	3.19	24.642	0.389
100	19.683	35.192	3.09	24.993	0.421
110	18.427	35.112	3.12	25.253	0.450
120	16.899	34.891	3.08	25.455	0.476
130	15.564	34.865	3.05	25.744	0.501
140	15.264	34.873	3.04	25.816	0.523
150	15.309	34.915	2.99	25.839	0.546
160	14.707	34.885	3.03	25.948	0.567
170	14.151	34.942	3.00	26.111	0.587
180	13.104	34.856	2.80	26.261	0.606
190	12.356	34.866	2.41	26.417	0.623
200	12.068	34.862	2.33	26.470	0.640
250	11.543	34.821	1.39	26.536	0.718
300	10.737	34.770	1.29	26.644	0.794
301	10.730	34.769	1.29	26.645	0.795

CAST EP1-88-OC -009 DATE 20 MAY 88 TIME 1009 GMT

LAT 00 00.7N LONG 149 58.7W



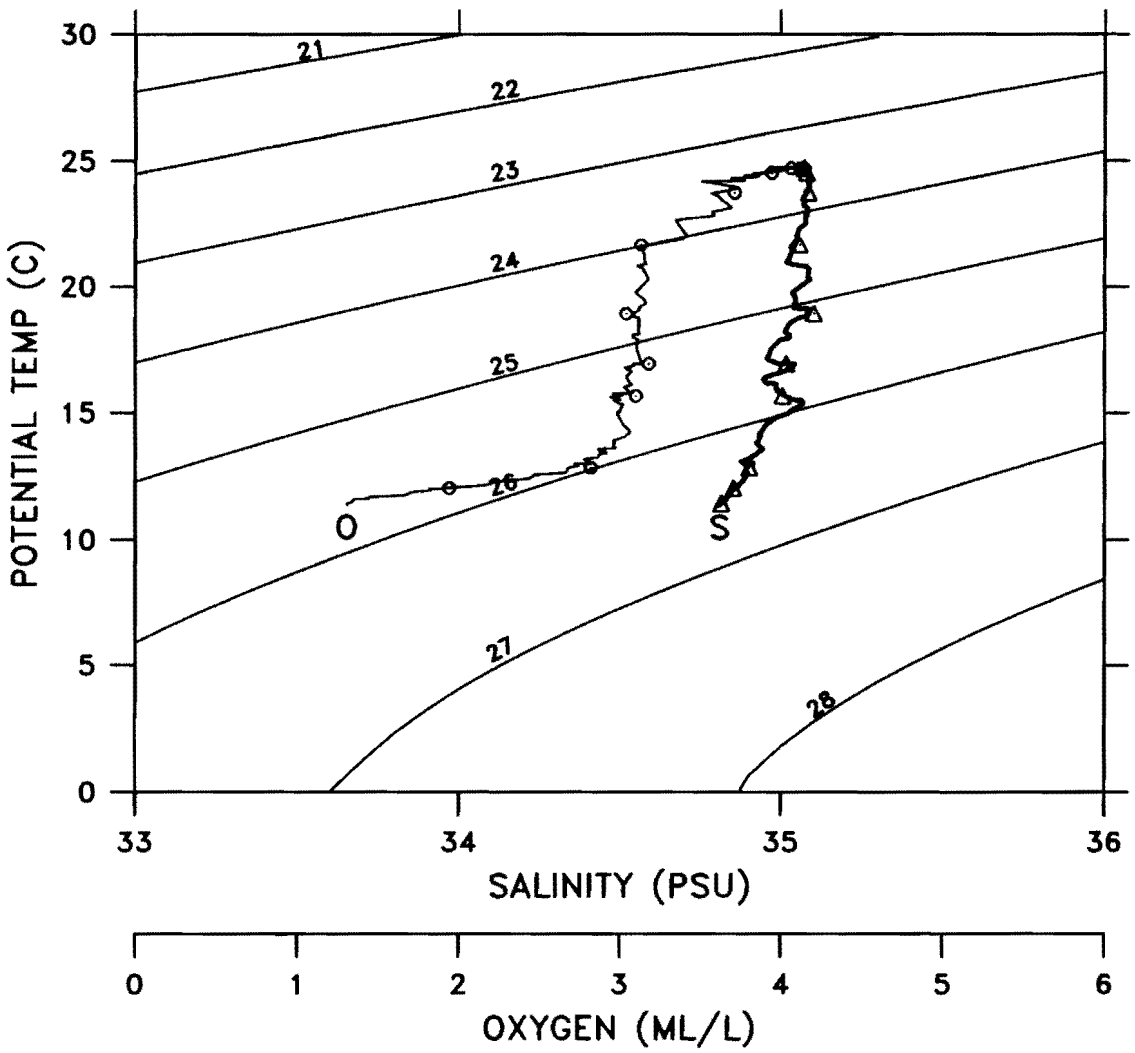


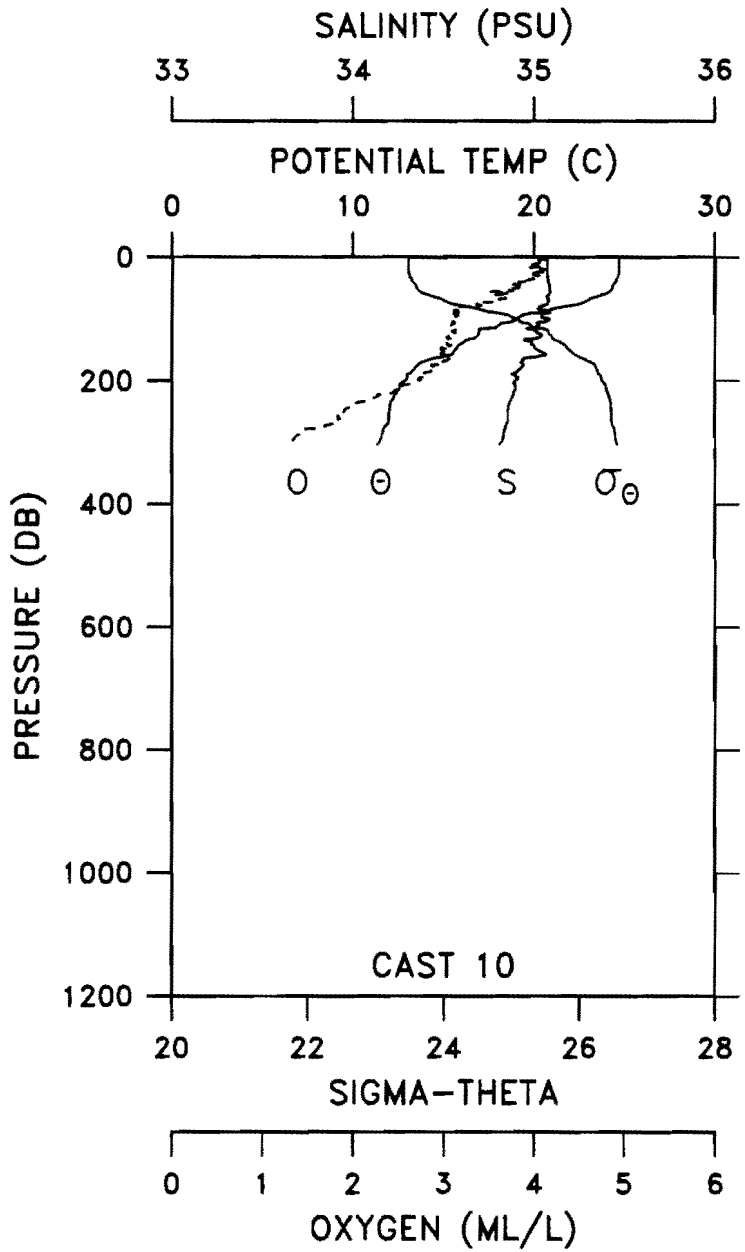
CAST EP1-88-OC -009 DATE 20 MAY 88 TIME 1009 GMT
LAT 00 00.7N LONG 149 58.7W WEATHER 3 SEA STATE 3
BAROMETER 11 WIND DIR 070 T SPD 10 KT VISIBILITY 8
CLOUD 0 AMOUNT 3 DRY 24.1 WET 21.8 DEPTH 4444 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.775	35.004	4.16	23.414	0.000
10	24.775	35.062	3.99	23.458	0.044
20	24.739	35.061	3.84	23.469	0.089
30	24.626	35.064	3.96	23.504	0.133
40	24.358	35.073	4.02	23.592	0.176
50	24.129	35.084	3.68	23.669	0.219
60	23.796	35.091	3.68	23.772	0.261
70	22.757	35.070	3.32	24.058	0.301
80	20.700	35.066	3.04	24.627	0.337
90	19.713	35.077	3.05	24.897	0.369
100	18.862	35.079	3.07	25.118	0.399
110	17.270	34.952	3.10	25.414	0.427
120	16.823	35.029	3.04	25.580	0.451
130	15.864	35.002	2.95	25.781	0.475
140	15.508	35.032	2.98	25.884	0.497
150	14.996	35.012	3.00	25.983	0.518
160	14.157	34.925	2.97	26.097	0.538
170	13.477	34.926	2.91	26.240	0.556
180	13.185	34.890	2.85	26.271	0.574
190	12.979	34.896	2.78	26.318	0.592
200	12.628	34.883	2.62	26.377	0.609
250	12.001	34.851	1.88	26.474	0.691
300	11.483	34.816	1.33	26.544	0.771
350	10.111	34.721	1.24	26.716	0.846
400	9.234	34.684	1.23	26.834	0.913
450	8.490	34.642	1.31	26.918	0.976
500	7.935	34.609	1.70	26.977	1.035
550	7.611	34.596	1.73	27.014	1.092
600	7.263	34.583	1.86	27.054	1.149
650	6.834	34.570	1.72	27.103	1.202
700	6.312	34.559	1.52	27.164	1.254
750	5.832	34.551	1.66	27.219	1.303
800	5.283	34.545	1.84	27.281	1.349
900	4.875	34.546	1.94	27.330	1.435
1000	4.335	34.556	1.99	27.398	1.515
1500	2.885	34.605	2.12	27.581	1.860
2000	2.169	34.637	2.43	27.667	2.137
2500	1.670	34.663	2.81	27.727	2.384
3000	1.440	34.673	3.11	27.752	2.615
3500	1.202	34.686	3.43	27.780	2.839
4000	1.072	34.693	3.70	27.794	3.052
4498	0.995	34.697	3.96	27.802	3.267

CAST EP1-88-OC -010 DATE 20 MAY 88 TIME 1253 GMT

LAT 00 01.3N LONG 149 58.1W



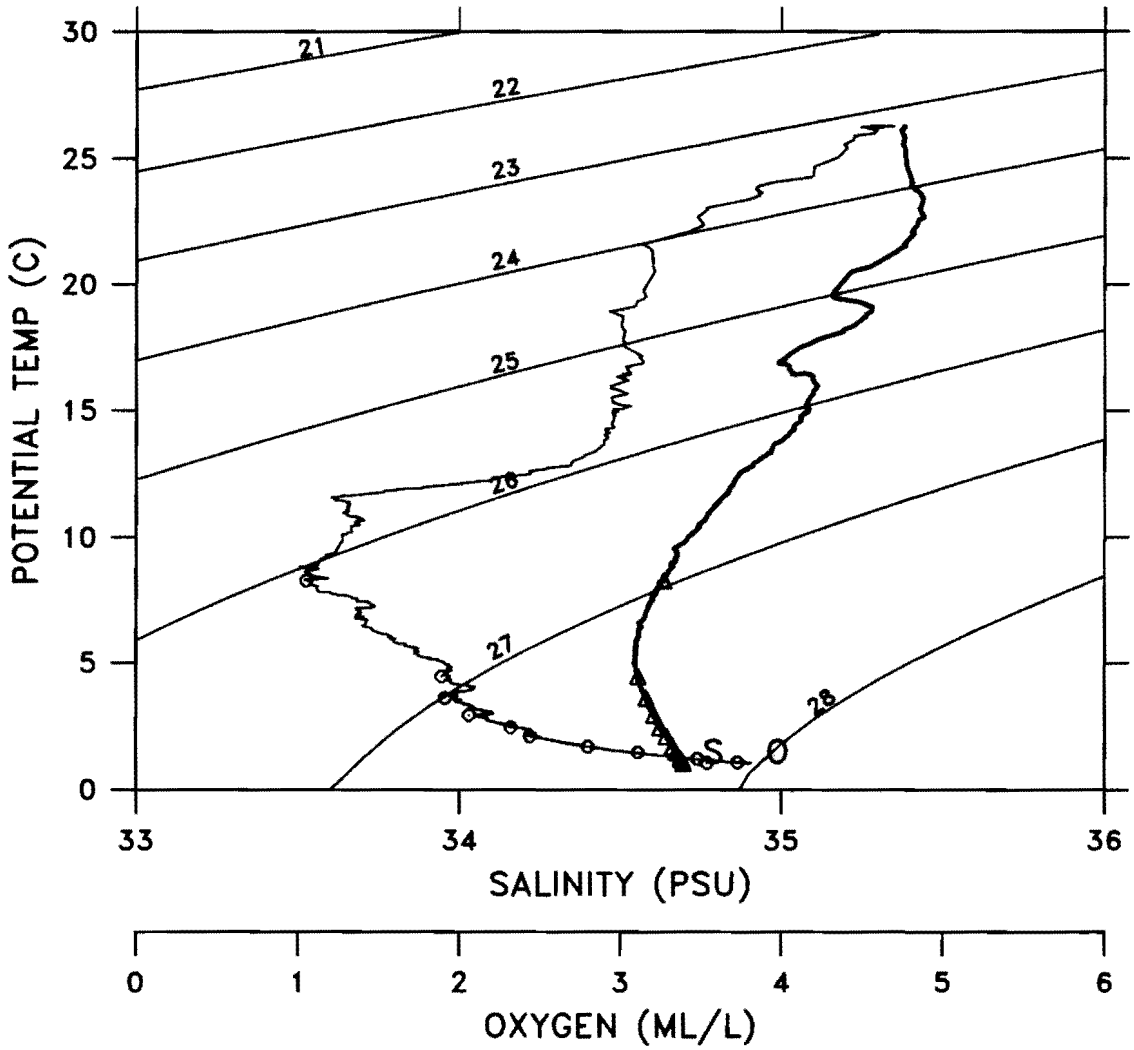


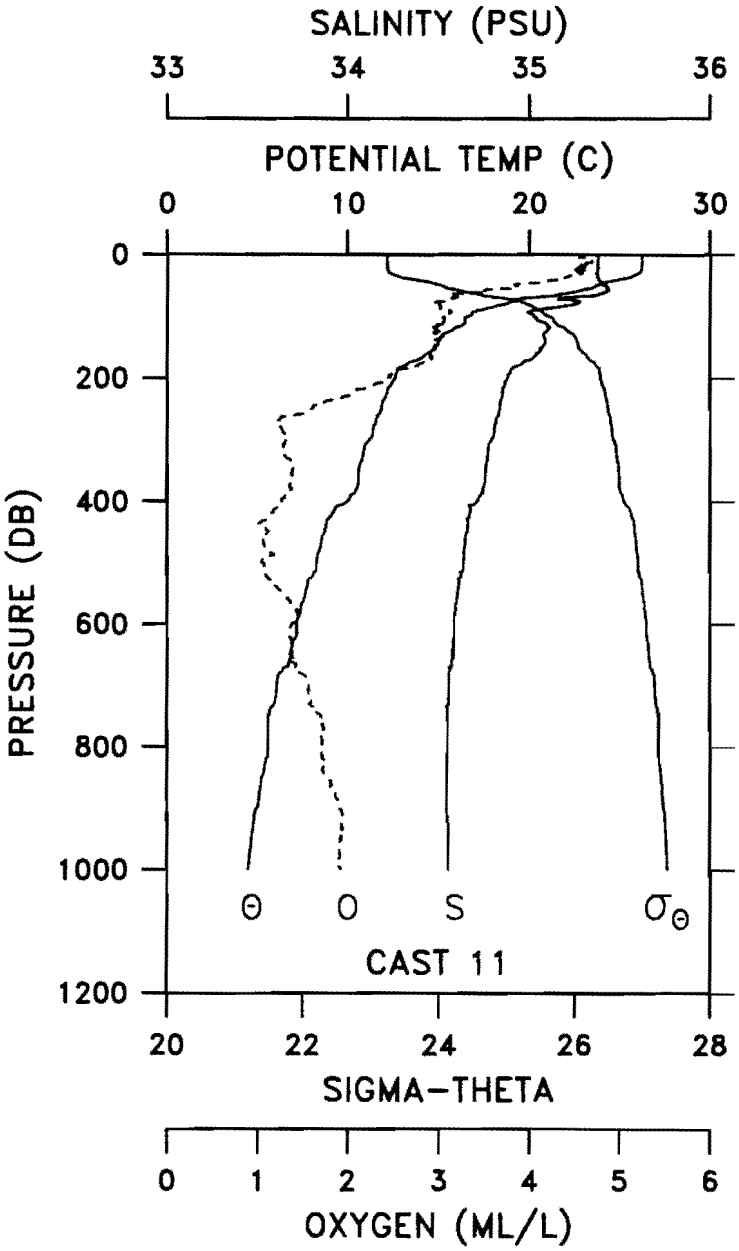
CAST EP1-88-OC -010 DATE 20 MAY 88 TIME 1253 GMT
LAT 00 01.3N LONG 149 58.1W WEATHER 1 SEA STATE 2
BAROMETER 09 WIND DIR 080 T SPD 13 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 23.8 WET 22.0 DEPTH 4457 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.727	35.073	4.13	23.481	0.000
10	24.729	35.072	4.04	23.480	0.044
20	24.727	35.072	4.12	23.480	0.088
30	24.679	35.073	4.06	23.496	0.132
40	24.535	35.077	3.89	23.542	0.176
50	24.358	35.085	3.85	23.600	0.219
60	23.927	35.082	3.74	23.727	0.262
70	22.996	35.080	3.57	23.997	0.302
80	21.606	35.028	3.12	24.351	0.340
90	20.272	35.089	3.18	24.759	0.374
100	19.116	35.087	3.13	25.059	0.405
110	18.050	35.025	3.08	25.280	0.433
120	16.926	35.010	3.08	25.541	0.459
130	16.771	35.035	3.03	25.596	0.483
140	15.974	34.986	3.03	25.744	0.507
150	15.629	35.016	2.94	25.845	0.529
160	15.091	35.032	3.00	25.977	0.551
170	13.811	34.923	2.97	26.168	0.570
180	13.382	34.926	2.90	26.259	0.589
190	12.951	34.886	2.82	26.315	0.607
200	12.846	34.896	2.71	26.344	0.624
250	11.999	34.854	1.91	26.477	0.706
300	11.461	34.822	1.34	26.553	0.786
303	11.333	34.807	1.31	26.565	0.790

CAST EP1-88-OC -011 DATE 21 MAY 88 TIME 1101 GMT

LAT 00 00.6S LONG 144 58.2W



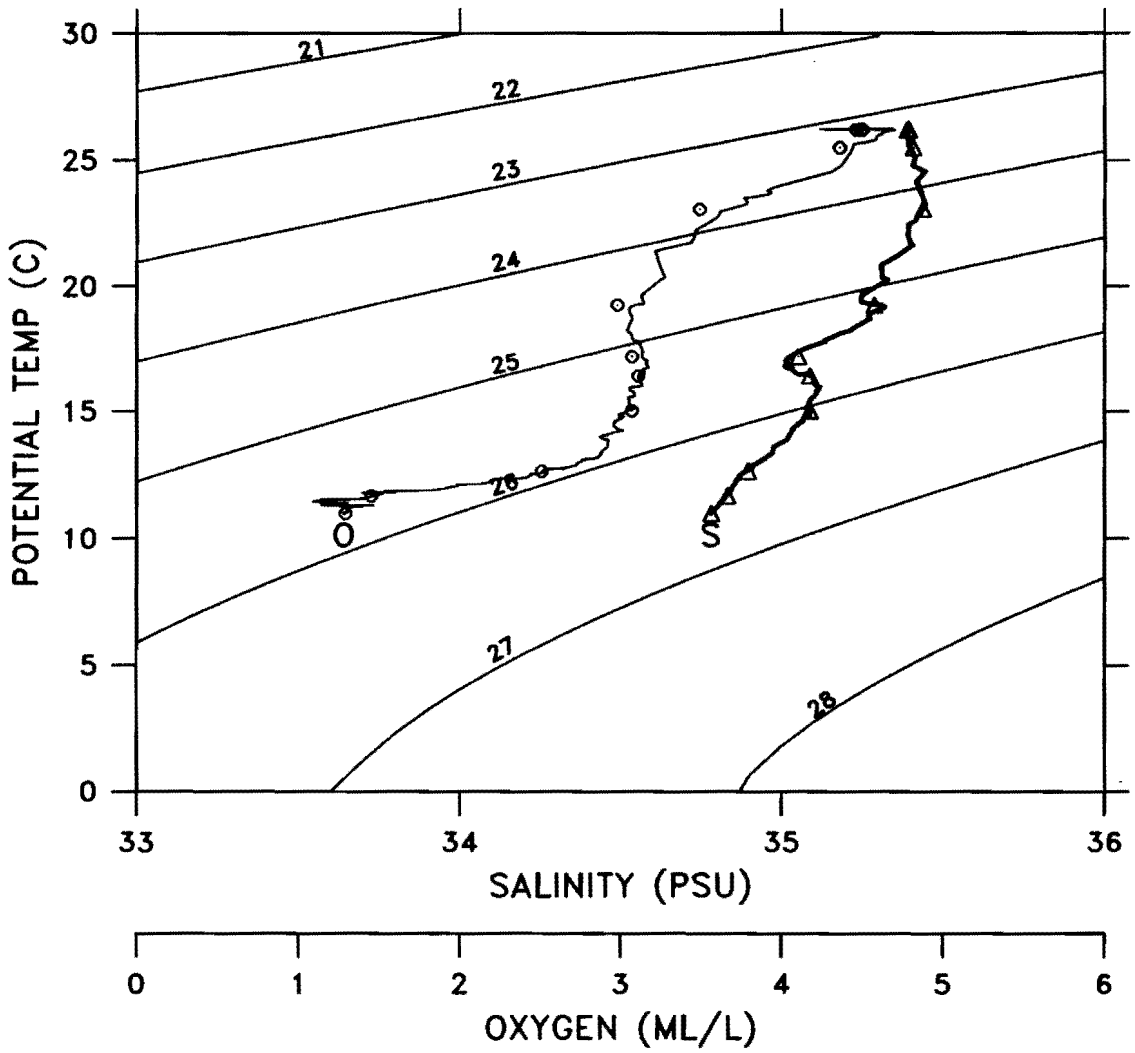


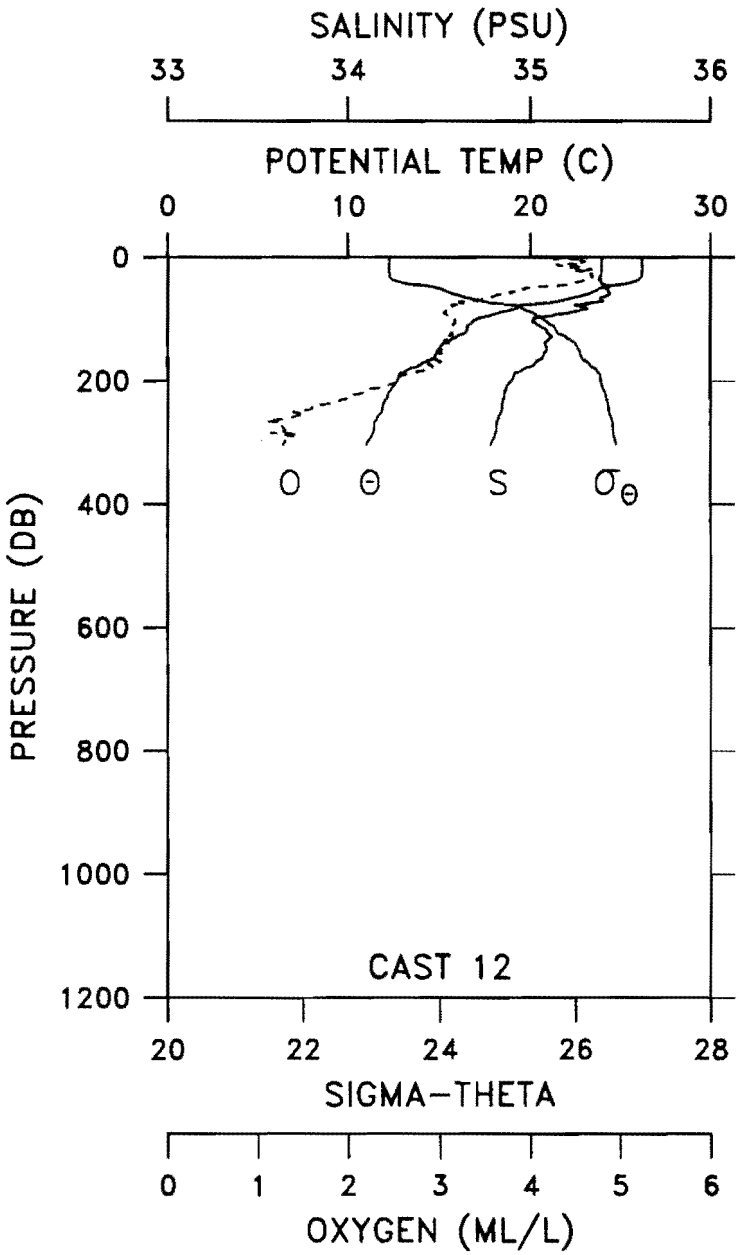
CAST EP1-88-OC -011 DATE 21 MAY 88 TIME 1101 GMT
LAT 00 00.6S LONG 144 58.2W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 095 T SPD 16 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 25.2 WET 22.3 DEPTH 4230 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.252	35.381	4.57	23.244	0.000
10	26.251	35.381	4.69	23.244	0.046
20	26.226	35.380	4.51	23.251	0.092
30	26.100	35.371	4.59	23.284	0.139
40	25.039	35.384	4.35	23.621	0.183
50	23.697	35.421	3.86	24.051	0.224
60	22.582	35.425	3.49	24.378	0.261
70	19.751	35.165	3.14	24.954	0.295
80	18.738	35.263	3.02	25.290	0.323
90	17.159	35.018	3.13	25.491	0.349
100	16.630	35.022	3.04	25.620	0.373
110	16.447	35.083	3.01	25.709	0.397
120	15.849	35.107	2.97	25.866	0.419
130	15.210	35.076	3.01	25.985	0.440
140	15.001	35.085	2.96	26.038	0.461
150	14.861	35.071	2.96	26.058	0.481
160	14.317	35.038	2.96	26.150	0.500
170	13.862	35.006	2.91	26.222	0.519
180	13.095	34.936	2.74	26.325	0.537
190	12.698	34.894	2.54	26.372	0.554
200	12.608	34.880	2.44	26.379	0.571
250	11.850	34.838	1.60	26.492	0.653
300	11.187	34.791	1.31	26.579	0.731
350	10.628	34.759	1.38	26.655	0.805
400	10.017	34.712	1.27	26.725	0.877
450	8.737	34.658	1.12	26.892	0.941
500	8.288	34.638	1.05	26.946	1.002
550	7.674	34.606	1.30	27.013	1.061
600	7.180	34.588	1.38	27.069	1.116
650	6.877	34.578	1.37	27.104	1.170
700	6.083	34.557	1.57	27.192	1.220
750	5.625	34.549	1.70	27.243	1.268
800	5.592	34.550	1.72	27.248	1.314
900	4.966	34.544	1.91	27.318	1.402
1000	4.486	34.555	1.93	27.380	1.484
1500	2.907	34.605	2.10	27.578	1.832
2000	2.090	34.643	2.47	27.678	2.110
2500	1.693	34.662	2.81	27.724	2.356
3000	1.455	34.673	3.11	27.751	2.588
3500	1.215	34.686	3.45	27.778	2.812
4000	1.073	34.694	3.73	27.794	3.026
4294	1.053	34.695	3.78	27.796	3.153

CAST EP1-88-OC -012 DATE 21 MAY 88 TIME 1404 GMT

LAT 00 01.3S LONG 144 56.2W



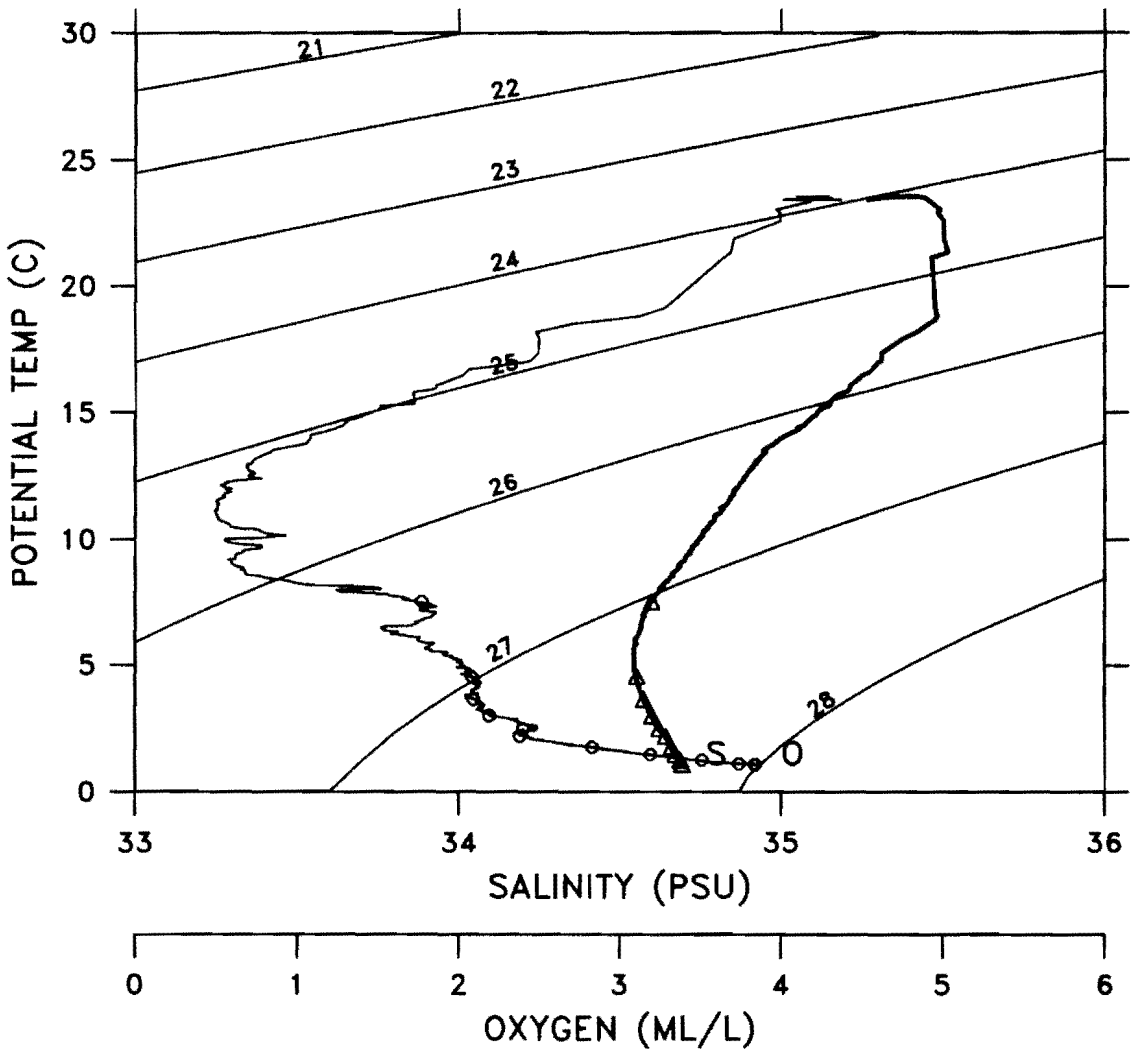


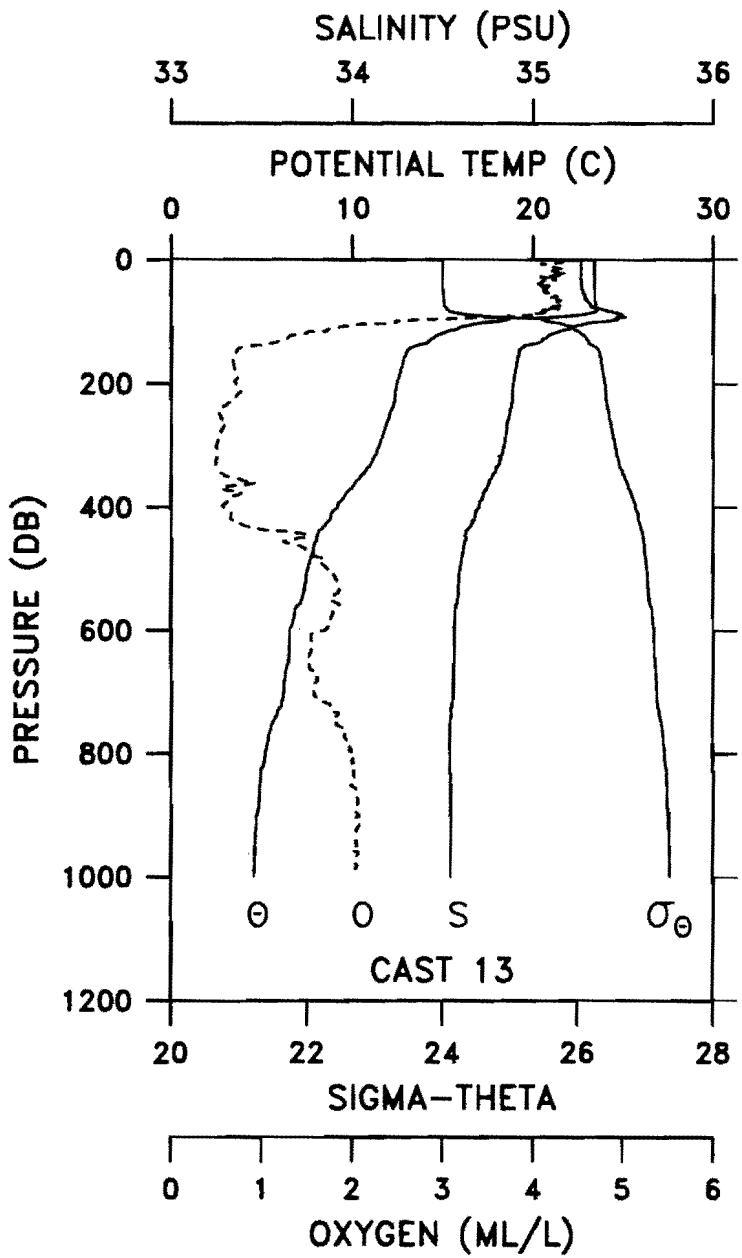
CAST EP1-88-OC -012 DATE 21 MAY 88 TIME 1404 GMT
LAT 00 01.3S LONG 144 56.2W WEATHER 1 SEA STATE 3
BAROMETER 08 WIND DIR 085 T SPD 18 KT VISIBILITY 8
CLOUD 2 AMOUNT 5 DRY 25.2 WET 22.5 DEPTH 4285 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.214	35.401	4.24	23.271	0.000
10	26.229	35.397	4.49	23.263	0.046
20	26.234	35.398	4.69	23.262	0.092
30	26.208	35.393	4.68	23.266	0.138
40	25.709	35.394	4.52	23.423	0.184
50	23.906	35.418	3.94	23.988	0.226
60	23.122	35.439	3.70	24.233	0.264
70	21.730	35.398	3.43	24.598	0.300
80	19.279	35.299	3.12	25.180	0.331
90	18.238	35.218	3.04	25.381	0.358
100	17.020	35.014	3.17	25.521	0.383
110	16.542	35.044	3.15	25.657	0.408
120	16.438	35.089	3.13	25.716	0.431
130	15.834	35.106	3.06	25.868	0.453
140	15.153	35.083	3.09	26.003	0.474
150	14.921	35.087	3.01	26.057	0.494
160	14.731	35.069	3.01	26.085	0.514
170	14.089	35.024	2.92	26.188	0.533
180	13.338	34.970	2.88	26.302	0.552
190	12.766	34.908	2.59	26.369	0.569
200	12.664	34.890	2.53	26.375	0.586
250	11.808	34.837	1.39	26.500	0.668
300	11.041	34.784	1.29	26.600	0.745
303	10.989	34.779	1.28	26.606	0.749

CAST EP1-88-OC -013 DATE 22 MAY 88 TIME 1204 GMT

LAT 01 59.3S LONG 139 57.3W



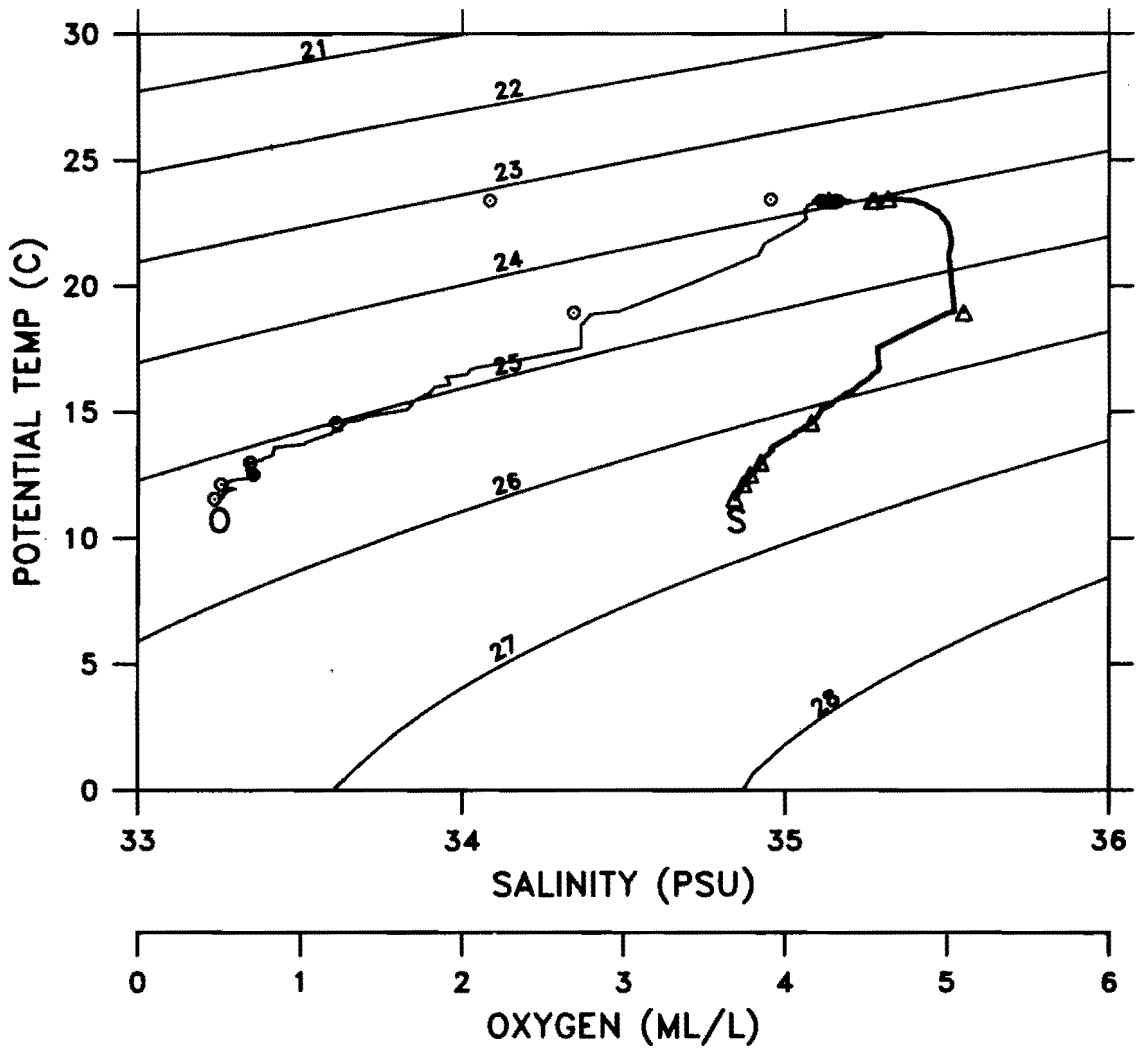


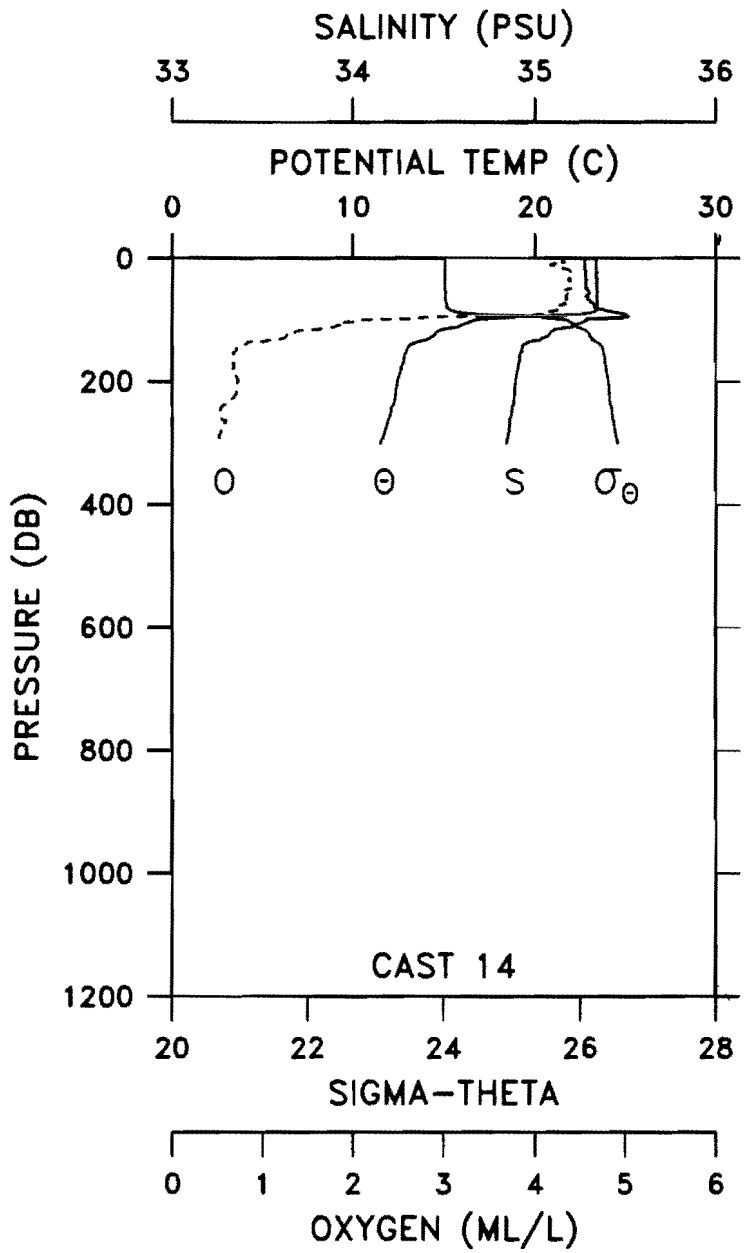
CAST EP1-88-OC -013 DATE 22 MAY 88 TIME 1204 GMT
LAT 01 59.3S LONG 139 57.3W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 060 T SPD 20 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 23.0 WET 21.3 DEPTH 4322 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.444	35.270	4.33	24.012	0.000
10	23.440	35.270	4.15	24.012	0.039
20	23.441	35.269	4.31	24.011	0.078
30	23.446	35.268	4.27	24.009	0.117
40	23.445	35.271	4.03	24.011	0.156
50	23.466	35.283	4.19	24.014	0.195
60	23.481	35.293	4.23	24.018	0.234
70	23.511	35.320	4.24	24.029	0.273
80	23.554	35.387	4.28	24.068	0.312
90	22.249	35.502	3.85	24.531	0.349
100	17.929	35.379	2.50	25.581	0.377
110	15.885	35.211	1.83	25.937	0.399
120	14.860	35.105	1.40	26.085	0.420
130	14.336	35.056	1.23	26.160	0.439
140	13.436	34.953	0.84	26.269	0.457
150	13.008	34.920	0.72	26.330	0.475
160	12.864	34.914	0.69	26.354	0.492
170	12.804	34.909	0.69	26.362	0.509
180	12.681	34.902	0.72	26.381	0.526
190	12.599	34.896	0.74	26.393	0.543
200	12.473	34.889	0.71	26.412	0.560
250	12.085	34.866	0.54	26.470	0.642
300	11.514	34.838	0.50	26.555	0.721
350	10.454	34.772	0.62	26.696	0.796
400	9.177	34.702	0.58	26.857	0.863
450	8.049	34.631	1.39	26.977	0.923
500	7.553	34.600	1.73	27.026	0.980
550	7.212	34.583	1.76	27.061	1.035
600	6.573	34.567	1.69	27.136	1.087
650	6.478	34.566	1.54	27.148	1.138
700	6.244	34.560	1.58	27.174	1.188
750	5.619	34.547	1.83	27.242	1.236
800	5.216	34.544	2.00	27.288	1.280
900	4.752	34.544	2.08	27.342	1.365
1000	4.587	34.550	2.04	27.365	1.447
1500	3.002	34.599	2.22	27.565	1.806
2000	2.184	34.641	2.40	27.669	2.094
2500	1.741	34.659	2.82	27.719	2.343
3000	1.477	34.671	3.15	27.748	2.579
3500	1.223	34.686	3.50	27.778	2.804
4000	1.095	34.693	3.75	27.793	3.019
4287	1.066	34.695	3.87	27.796	3.144

CAST EP1-88-OC -014 DATE 22 MAY 88 TIME 1446 GMT

LAT 01 58.7S LONG 139 56.4W



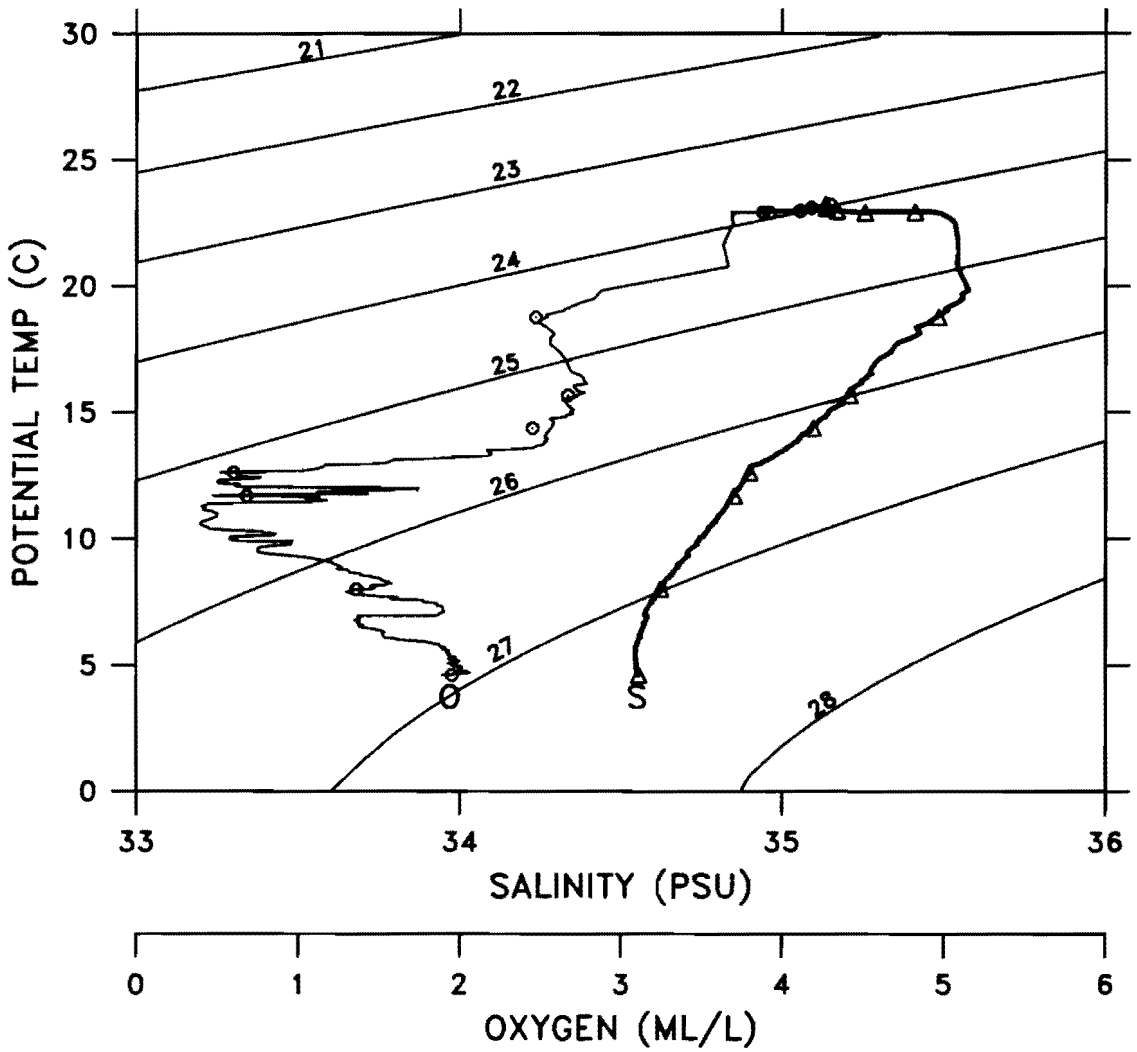


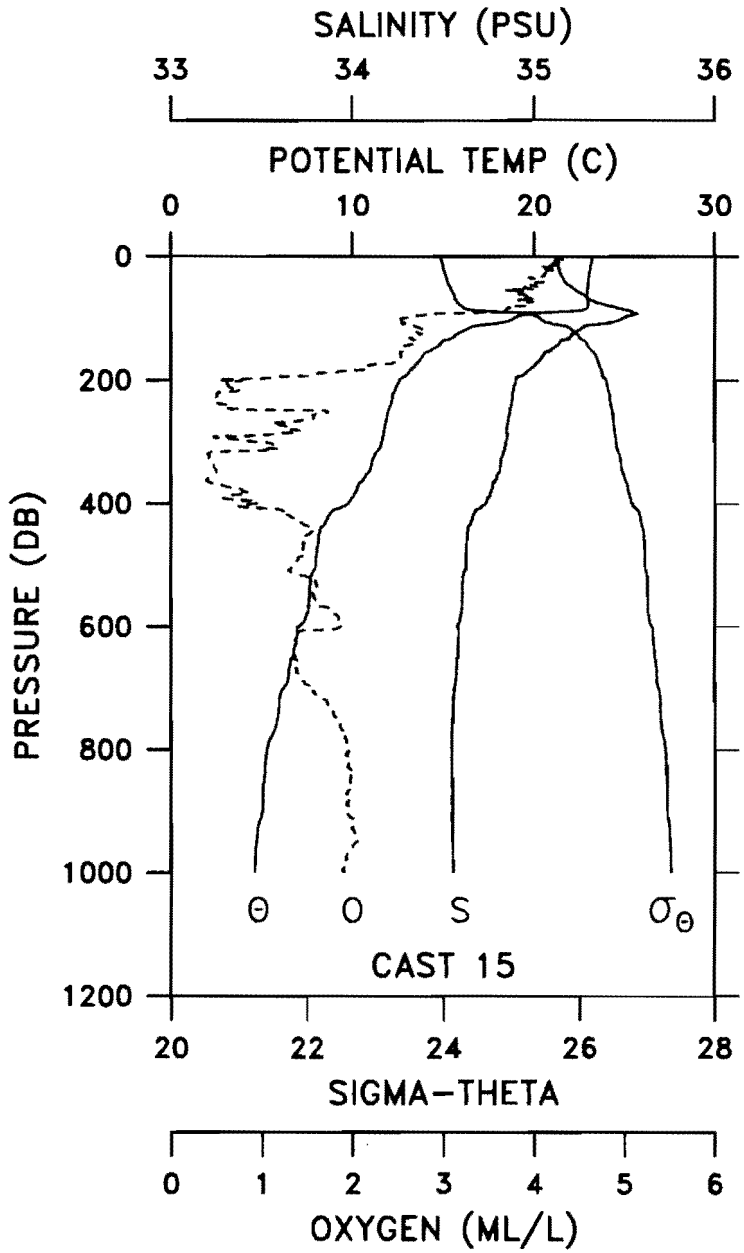
CAST EP1-88-OC -014 DATE 22 MAY 88 TIME 1446 GMT
LAT 01 58.7S LONG 139 56.4W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 050 T SPD 17 KT VISIBILITY 8
CLOUD 2 AMOUNT 1 DRY 23.1 WET 21.1 DEPTH 4322 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.406	35.274	4.30	24.025	0.000
10	23.400	35.275	4.17	24.028	0.039
20	23.407	35.277	4.38	24.027	0.078
30	23.407	35.278	4.41	24.028	0.116
40	23.416	35.282	4.39	24.028	0.155
50	23.428	35.290	4.40	24.031	0.194
60	23.437	35.295	4.35	24.032	0.233
70	23.451	35.306	4.37	24.036	0.272
80	23.464	35.335	4.29	24.054	0.311
90	22.683	35.490	4.13	24.398	0.349
100	16.756	35.290	2.08	25.796	0.377
110	15.900	35.213	1.82	25.935	0.399
120	14.638	35.086	1.35	26.118	0.419
130	14.232	35.042	1.22	26.171	0.438
140	13.229	34.939	0.81	26.300	0.456
150	12.978	34.926	0.71	26.341	0.473
160	12.854	34.916	0.68	26.358	0.490
170	12.801	34.913	0.68	26.366	0.507
180	12.676	34.906	0.66	26.385	0.524
190	12.579	34.899	0.70	26.399	0.541
200	12.468	34.893	0.74	26.416	0.557
250	12.113	34.874	0.53	26.470	0.640
300	11.554	34.846	0.50	26.554	0.719
301	11.548	34.845	0.50	26.555	0.720

CAST EP1-88-OC -015 DATE 22 MAY 88 TIME 2314 GMT

LAT 01 30.3S LONG 139 59.0W



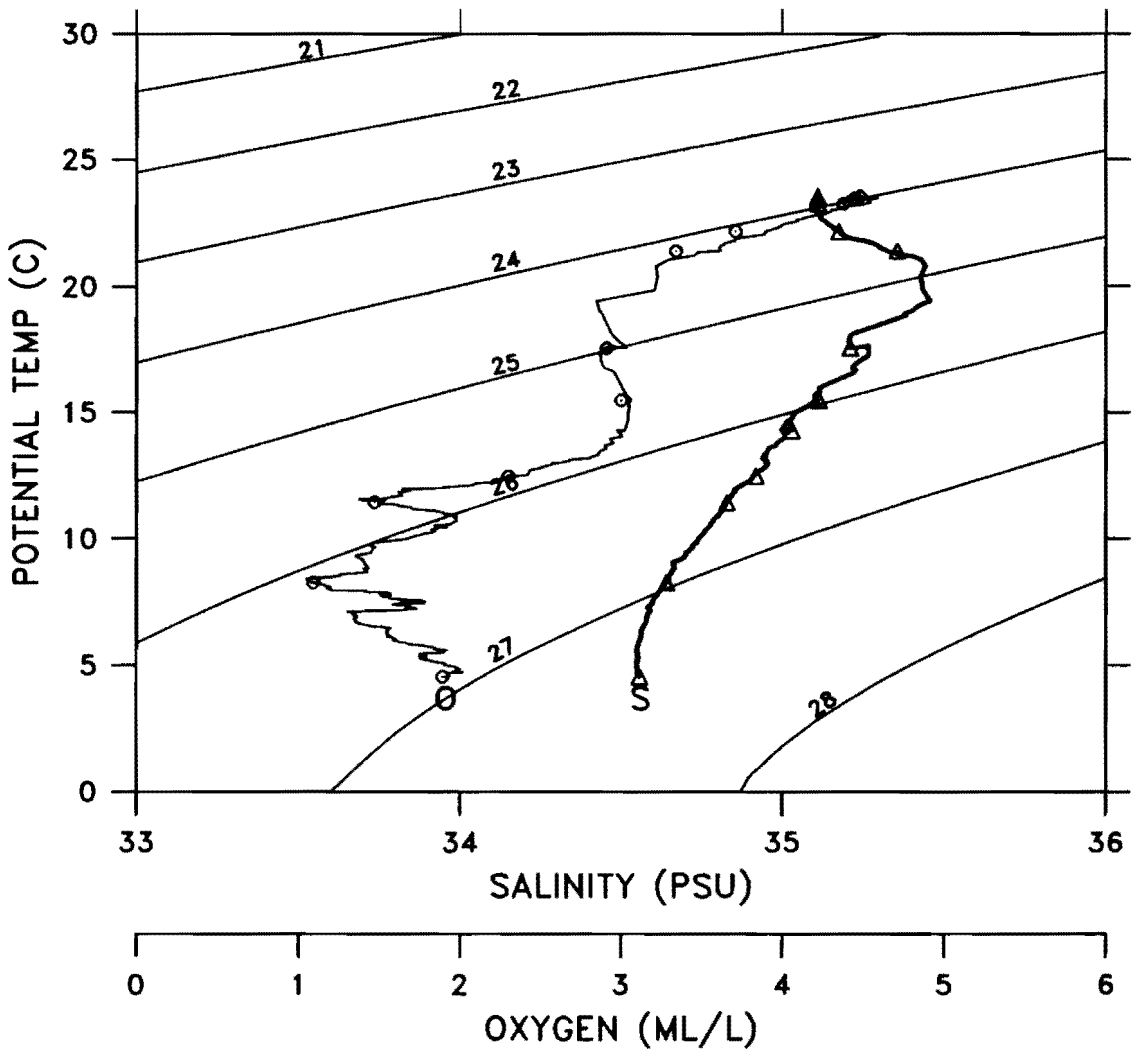


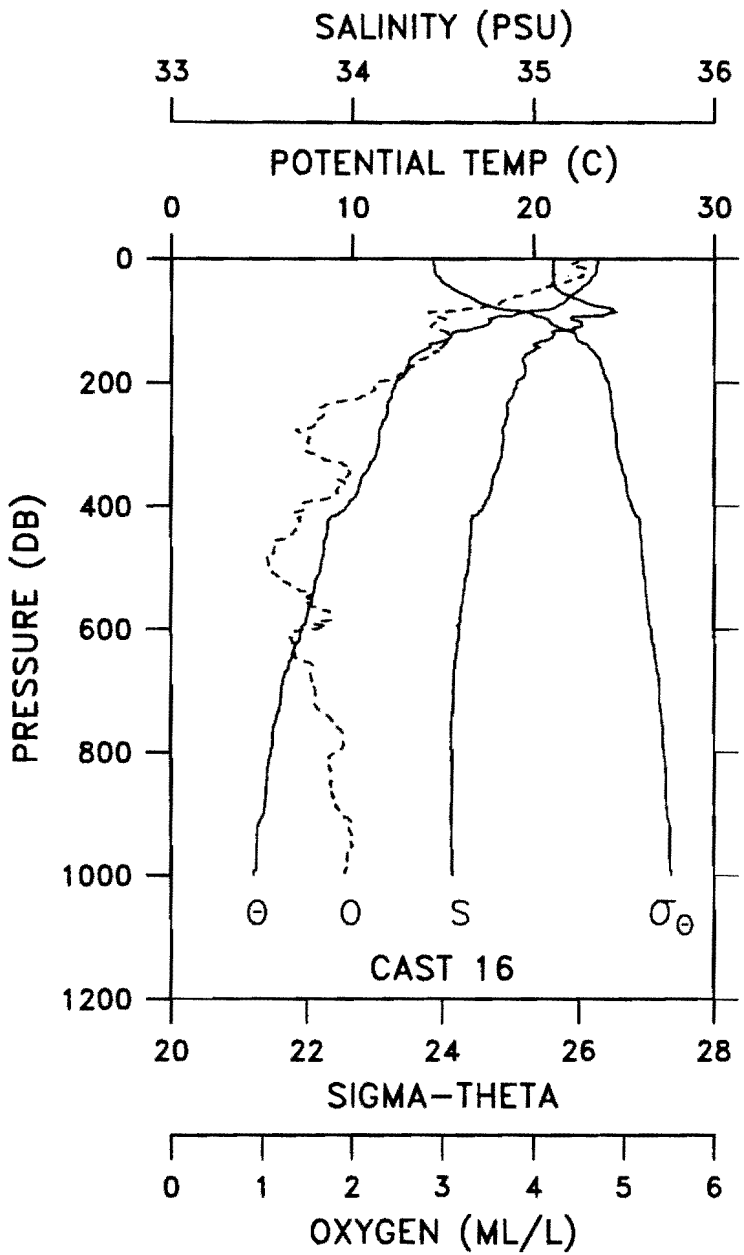
CAST EP1-88-OC -015 DATE 22 MAY 88 TIME 2314 GMT
LAT 01 30.3S LONG 139 59.0W WEATHER 1 SEA STATE 3
BAROMETER 09 WIND DIR 070 T SPD 18 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 24.5 WET 21.4 DEPTH 4322 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.232	35.133	4.24	23.969	0.000
10	23.159	35.133	4.16	23.991	0.039
20	23.109	35.136	4.11	24.007	0.078
30	23.044	35.150	4.12	24.036	0.117
40	23.002	35.168	4.11	24.062	0.156
50	22.965	35.211	3.90	24.105	0.194
60	22.945	35.264	3.92	24.151	0.232
70	22.968	35.317	3.83	24.185	0.270
80	22.972	35.430	3.91	24.269	0.307
90	20.790	35.540	3.67	24.964	0.342
100	18.868	35.488	2.54	25.429	0.369
110	17.366	35.336	2.62	25.685	0.394
120	16.132	35.247	2.79	25.908	0.416
130	15.584	35.198	2.70	25.995	0.437
140	14.884	35.139	2.66	26.105	0.457
150	14.426	35.094	2.57	26.170	0.476
160	13.892	35.048	2.53	26.248	0.495
170	13.659	35.024	2.48	26.278	0.513
180	13.328	34.982	2.20	26.313	0.530
190	13.084	34.952	1.59	26.339	0.548
200	12.602	34.898	0.52	26.394	0.565
250	11.981	34.866	1.74	26.489	0.647
300	11.631	34.845	0.99	26.539	0.726
350	10.881	34.802	0.50	26.643	0.801
400	9.775	34.736	0.94	26.785	0.872
450	8.178	34.632	1.52	26.959	0.933
500	8.005	34.624	1.37	26.978	0.991
550	7.638	34.603	1.57	27.016	1.048
600	7.039	34.574	1.87	27.078	1.104
650	6.736	34.577	1.36	27.122	1.157
700	6.232	34.560	1.52	27.175	1.208
750	5.866	34.550	1.82	27.214	1.256
800	5.287	34.547	1.96	27.282	1.302
900	5.031	34.548	1.96	27.314	1.389
1000	4.615	34.555	1.93	27.366	1.471
1003	4.605	34.555	1.94	27.367	1.474

CAST EP1-88-OC -016 DATE 23 MAY 88 TIME 0315 GMT

LAT 01 00.2S LONG 139 59.6W



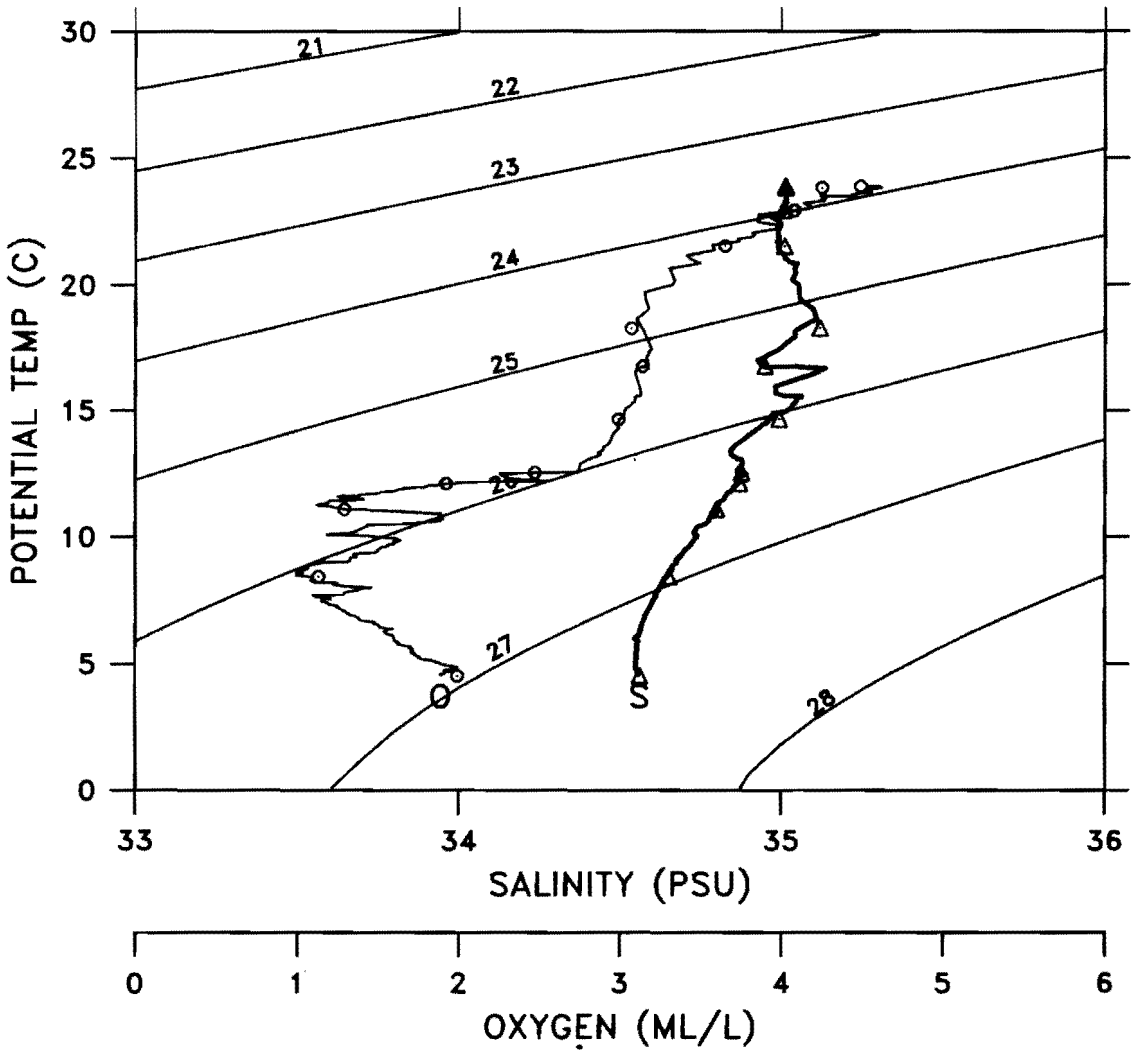


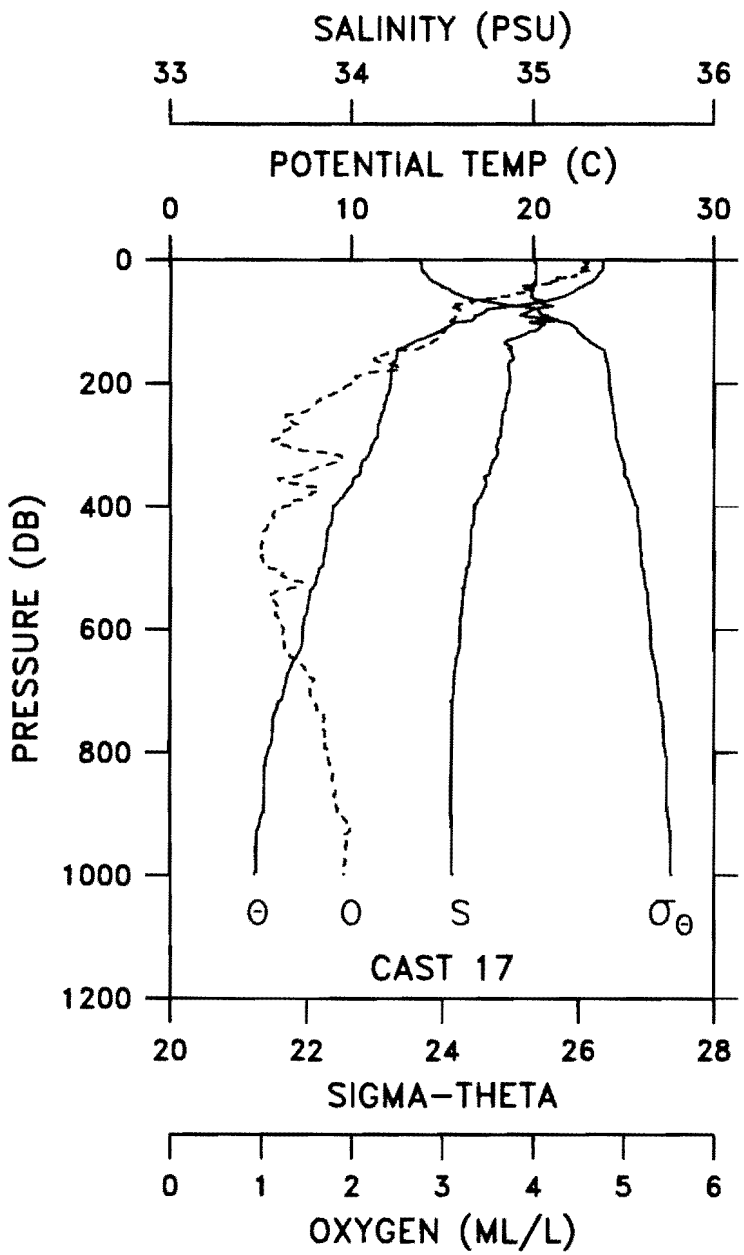
CAST EP1-88-OC -016 DATE 23 MAY 88 TIME 0315 GMT
LAT 01 00.2S LONG 139 59.6W WEATHER 0 SEA STATE 4
BAROMETER 09 WIND DIR 070 T SPD 15 KT VISIBILITY 8
CLOUD X AMOUNT 0 DRY 24.3 WET 22.0 DEPTH 4267 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.542	35.108	4.49	23.860	0.000
10	23.515	35.104	4.42	23.865	0.040
20	23.454	35.107	4.59	23.884	0.081
30	23.188	35.108	4.47	23.963	0.121
40	22.963	35.100	4.31	24.022	0.160
50	22.552	35.133	4.09	24.164	0.198
60	21.994	35.193	3.83	24.368	0.235
70	21.680	35.282	3.64	24.523	0.270
80	21.038	35.431	3.29	24.813	0.303
90	19.009	35.401	2.86	25.327	0.332
100	17.590	35.245	2.97	25.561	0.357
110	17.090	35.246	2.87	25.682	0.381
120	15.497	35.108	3.06	25.946	0.403
130	15.289	35.081	3.05	25.971	0.424
140	14.269	35.008	3.01	26.137	0.444
150	13.776	34.983	2.95	26.222	0.463
160	13.233	34.941	2.81	26.301	0.481
170	13.146	34.949	2.70	26.325	0.498
180	12.995	34.953	2.57	26.358	0.515
190	12.847	34.947	2.50	26.383	0.532
200	12.437	34.907	2.29	26.433	0.549
250	11.944	34.856	1.69	26.489	0.630
300	11.501	34.831	1.52	26.552	0.708
350	10.622	34.780	1.95	26.673	0.783
400	9.726	34.722	1.44	26.781	0.854
450	8.582	34.655	1.25	26.914	0.916
500	8.260	34.639	1.09	26.952	0.976
550	7.781	34.612	1.51	27.002	1.035
600	7.186	34.592	1.61	27.071	1.091
650	6.609	34.571	1.42	27.134	1.144
700	6.075	34.560	1.59	27.196	1.193
750	5.752	34.550	1.80	27.229	1.241
800	5.487	34.553	1.84	27.263	1.287
900	5.097	34.550	1.89	27.307	1.375
1000	4.543	34.557	1.91	27.376	1.458
1002	4.542	34.558	1.91	27.376	1.460

CAST EP1-88-OC -017 DATE 23 MAY 88 TIME 0703 GMT

LAT 00 29.9S LONG 139 59.1W



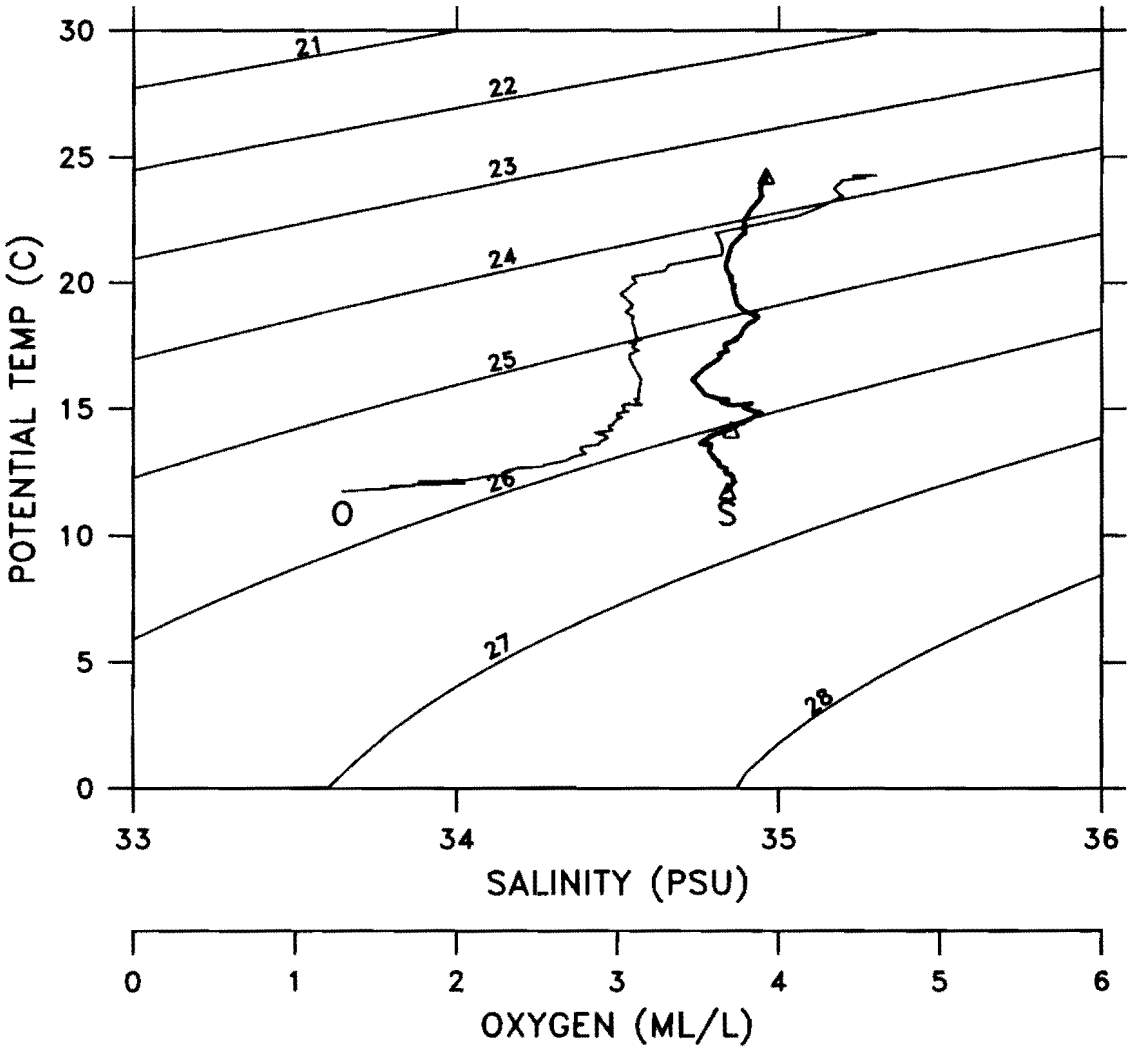


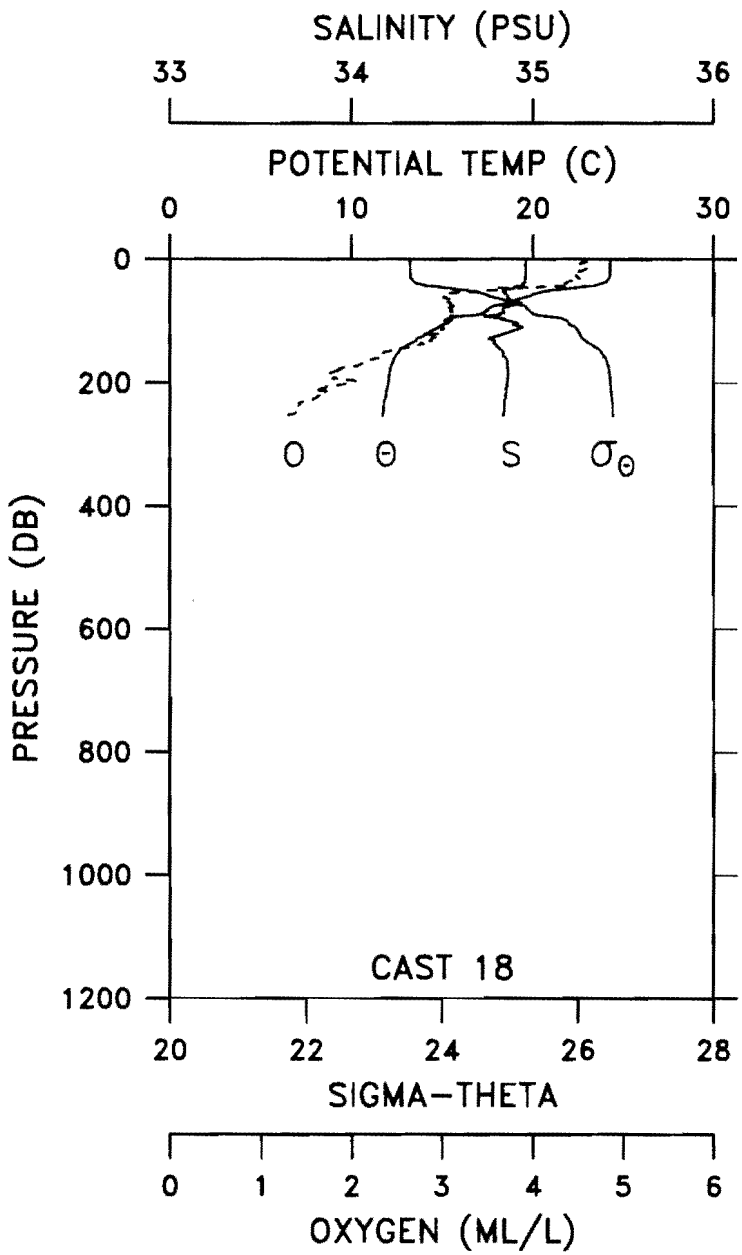
CAST EP1-88-OC -017 DATE 23 MAY 88 TIME 0703 GMT
LAT 00 29.9S LONG 139 59.1W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 075 T SPD 20 KT VISIBILITY 8
CLOUD X AMOUNT 1 DRY 22.1 WET 21.1 DEPTH 4291 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.875	35.007	4.56	23.685	0.000
10	23.879	35.015	4.57	23.690	0.042
20	23.757	35.013	4.53	23.725	0.084
30	23.495	35.013	4.26	23.802	0.125
40	22.941	35.004	4.08	23.956	0.166
50	22.305	34.998	4.00	24.132	0.204
60	21.570	34.991	3.57	24.332	0.241
70	19.992	35.054	3.32	24.806	0.276
80	17.437	34.992	3.20	25.404	0.304
90	16.755	34.945	3.15	25.531	0.330
100	15.974	34.981	3.12	25.740	0.354
110	15.152	35.032	3.05	25.964	0.375
120	14.551	34.957	2.99	26.037	0.395
130	13.593	34.854	2.91	26.160	0.415
140	13.055	34.878	2.80	26.288	0.433
150	12.531	34.879	2.39	26.393	0.450
160	12.501	34.890	2.25	26.407	0.467
170	12.251	34.863	2.49	26.435	0.483
180	12.192	34.864	2.31	26.447	0.499
190	12.166	34.868	2.05	26.456	0.516
200	12.137	34.865	1.99	26.459	0.532
250	11.643	34.829	1.37	26.524	0.611
300	11.156	34.799	1.23	26.591	0.689
350	10.388	34.738	1.42	26.681	0.761
400	8.983	34.675	1.26	26.867	0.828
450	8.634	34.658	1.02	26.909	0.891
500	8.261	34.633	1.08	26.947	0.952
550	7.638	34.611	1.13	27.022	1.009
600	7.288	34.596	1.24	27.060	1.065
650	6.796	34.576	1.38	27.113	1.119
700	6.232	34.562	1.54	27.177	1.170
750	5.631	34.553	1.69	27.246	1.217
800	5.362	34.550	1.72	27.276	1.263
900	5.031	34.547	1.89	27.313	1.350
1000	4.597	34.556	1.91	27.369	1.433
1005	4.557	34.556	1.89	27.373	1.437

CAST EP1-88-OC -018 DATE 23 MAY 88 TIME 1034 GMT

LAT 00 02.0S LONG 139 54.3W



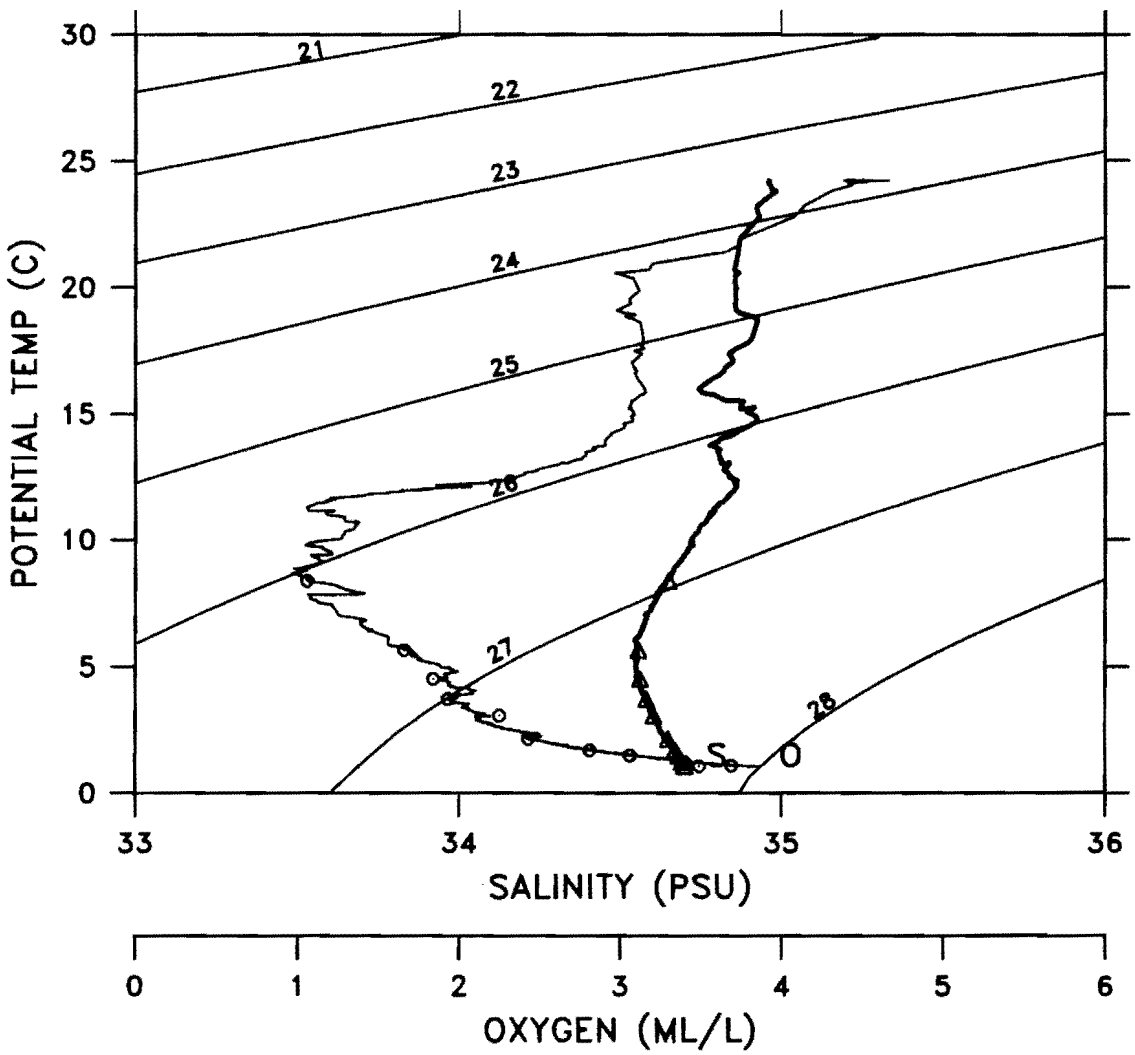


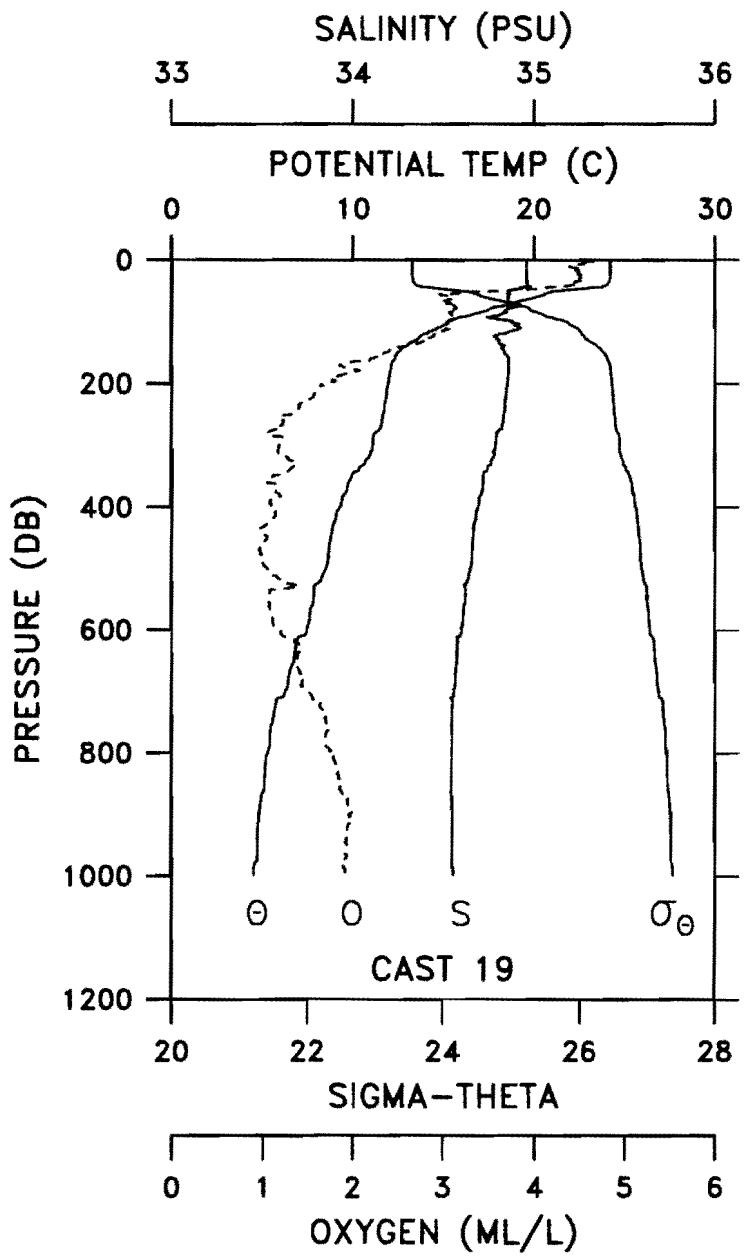
CAST EP1-88-OC -018 DATE 23 MAY 88 TIME 1034 GMT
LAT 00 02.0S LONG 139 54.3W WEATHER 2 SEA STATE 3
BAROMETER 11 WIND DIR 090 T SPD 16 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 23.0 WET 21.0 DEPTH 4346 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.269	34.960	4.59	23.533	0.000
10	24.257	34.958	4.53	23.535	0.043
20	24.253	34.959	4.50	23.537	0.087
30	24.228	34.958	4.51	23.544	0.130
40	23.767	34.941	4.34	23.667	0.174
50	21.123	34.845	3.65	24.344	0.213
60	19.875	34.859	3.08	24.688	0.247
70	18.699	34.930	3.09	25.045	0.278
80	17.578	34.833	3.11	25.248	0.306
90	16.997	34.815	3.08	25.374	0.333
100	15.157	34.875	3.09	25.842	0.356
110	14.825	34.945	3.00	25.969	0.378
120	14.186	34.841	2.96	26.026	0.398
130	13.591	34.771	2.89	26.096	0.418
140	13.050	34.799	2.71	26.228	0.437
150	12.642	34.838	2.37	26.340	0.454
160	12.416	34.852	2.31	26.395	0.471
170	12.236	34.858	2.11	26.434	0.488
180	12.137	34.861	1.85	26.456	0.504
190	12.087	34.863	1.84	26.466	0.520
200	12.043	34.860	1.99	26.473	0.536
250	11.757	34.840	1.38	26.512	0.615
254	11.724	34.837	1.29	26.515	0.622

CAST EP1-88-OC -019 DATE 23 MAY 88 TIME 1232 GMT

LAT 00 02.8S LONG 139 53.6W



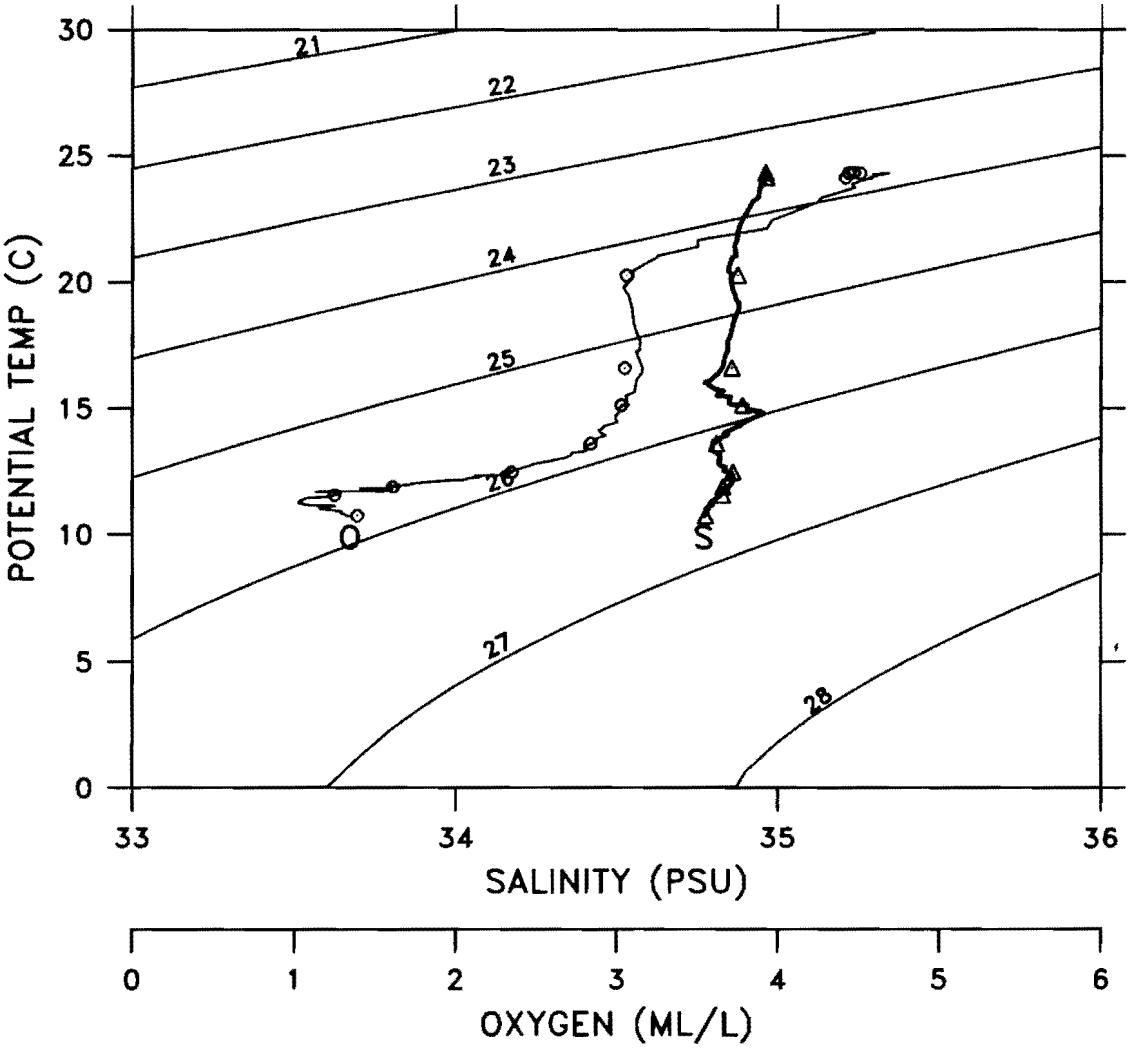


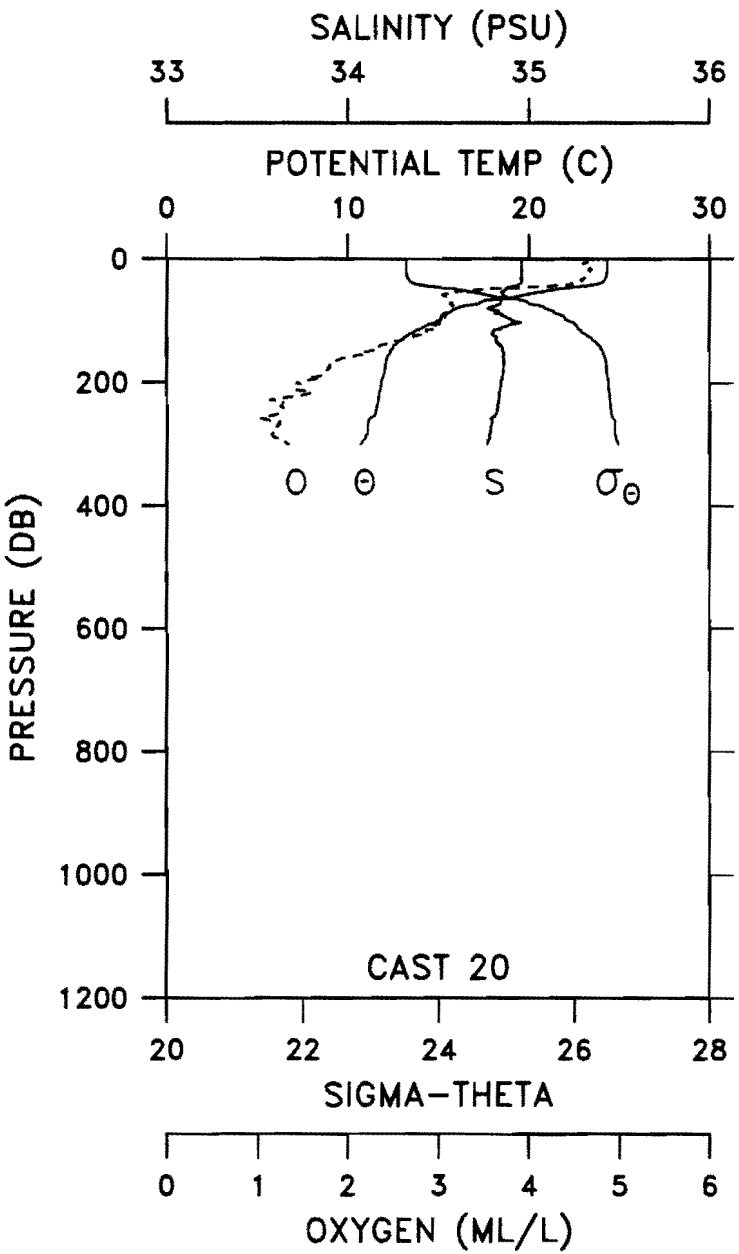
CAST EP1-88-OC -019 DATE 23 MAY 88 TIME 1232 GMT
LAT 00 02.8S LONG 139 53.6W WEATHER 2 SEA STATE 3
BAROMETER 11 WIND DIR 095 T SPD 16 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 23.2 WET 21.2 DEPTH 4334 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.221	34.961	4.66	23.548	0.000
10	24.223	34.961	4.39	23.547	0.043
20	24.225	34.961	4.48	23.547	0.087
30	24.194	34.961	4.49	23.556	0.130
40	24.047	34.964	4.44	23.602	0.173
50	21.388	34.866	3.65	24.287	0.214
60	20.102	34.855	3.10	24.625	0.248
70	18.941	34.888	3.10	24.952	0.280
80	17.497	34.848	3.09	25.280	0.308
90	16.383	34.782	3.11	25.493	0.334
100	15.215	34.872	3.05	25.826	0.358
110	14.694	34.925	3.08	25.982	0.379
120	13.950	34.806	2.91	26.049	0.399
130	13.480	34.802	2.78	26.143	0.419
140	12.957	34.836	2.60	26.275	0.437
150	12.485	34.837	2.35	26.369	0.454
160	12.339	34.863	2.20	26.418	0.471
170	12.147	34.860	1.85	26.452	0.487
180	12.091	34.862	2.05	26.465	0.503
190	12.024	34.857	1.80	26.474	0.519
200	11.958	34.852	1.68	26.483	0.535
250	11.696	34.837	1.33	26.520	0.614
300	11.100	34.790	1.19	26.594	0.691
350	9.936	34.719	1.12	26.744	0.764
400	9.307	34.695	1.12	26.830	0.830
450	8.810	34.666	1.06	26.887	0.894
500	8.527	34.651	1.06	26.920	0.956
550	7.863	34.622	1.07	26.998	1.014
600	7.479	34.604	1.20	27.040	1.071
650	6.782	34.578	1.39	27.116	1.124
700	6.282	34.563	1.51	27.171	1.175
750	5.589	34.552	1.71	27.250	1.222
800	5.299	34.550	1.75	27.284	1.267
900	4.804	34.551	1.96	27.342	1.352
1000	4.508	34.558	1.91	27.381	1.434
1500	3.038	34.601	2.18	27.563	1.787
2000	2.139	34.643	2.45	27.674	2.068
2500	1.694	34.664	2.83	27.727	2.313
3000	1.486	34.674	3.10	27.749	2.546
3500	1.236	34.687	3.47	27.777	2.771
4000	1.087	34.695	3.77	27.794	2.986
4265	1.064	34.697	3.86	27.797	3.100

CAST EP1-88-OC -020 DATE 23 MAY 88 TIME 1528 GMT

LAT 00 00.3S LONG 139 57.2W



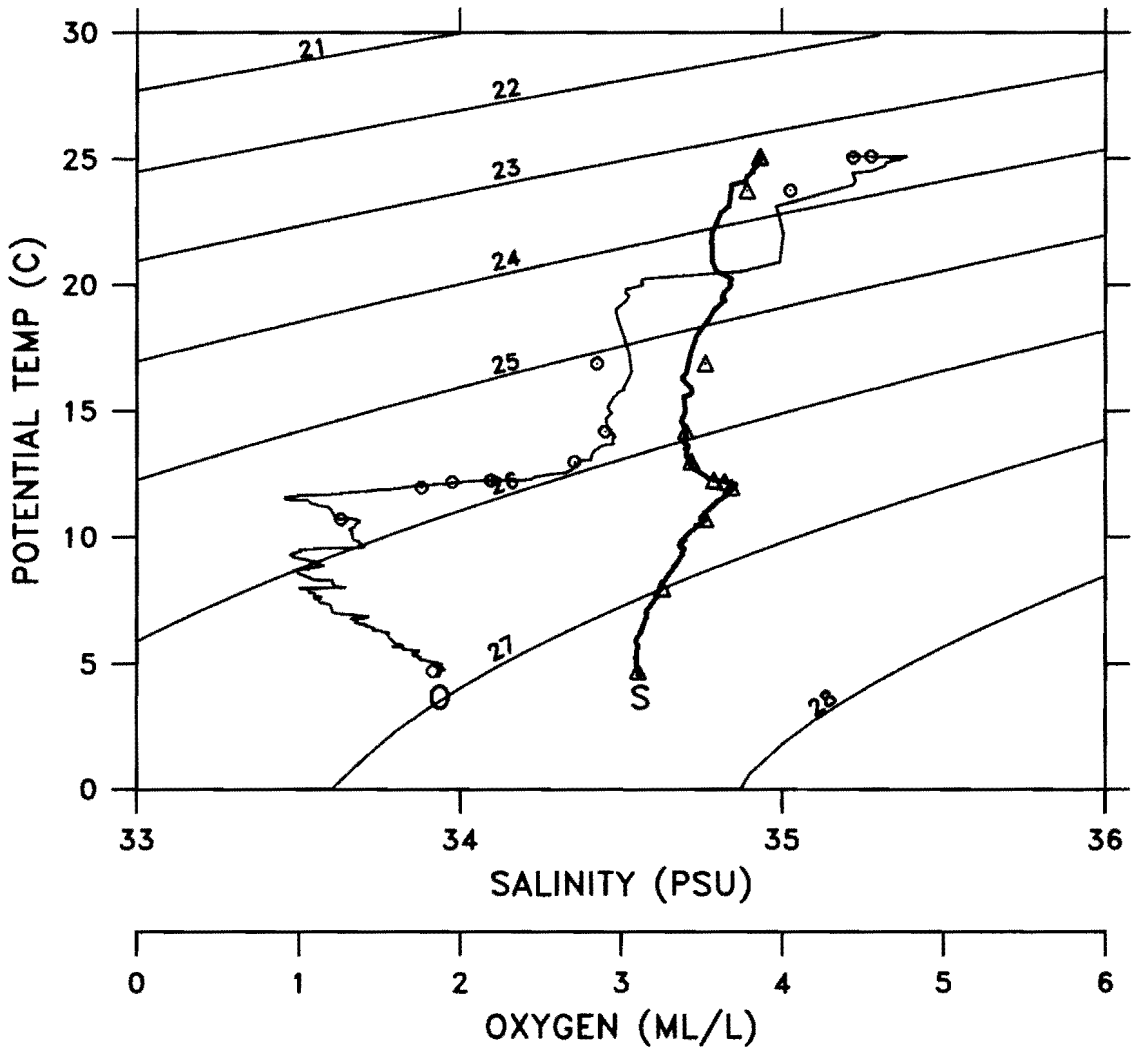


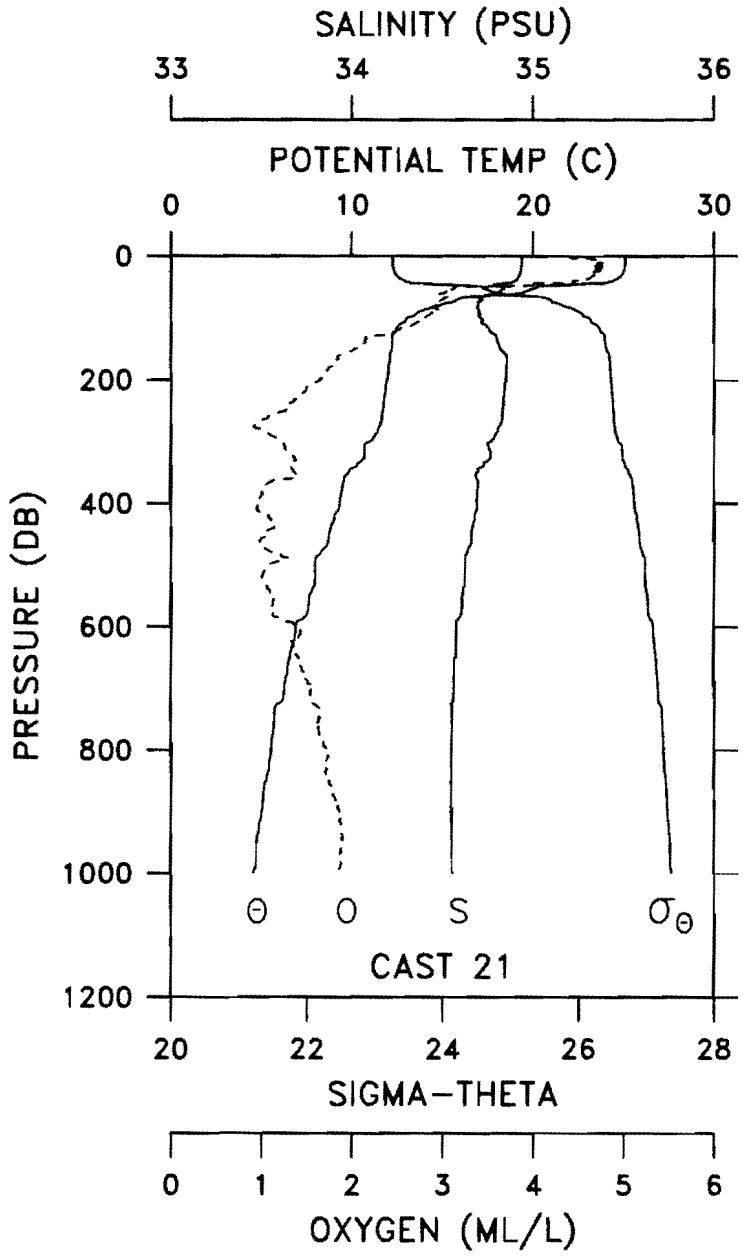
CAST EP1-88-OC -020 DATE 23 MAY 88 TIME 1528 GMT
LAT 00 00.3S LONG 139 57.2W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 095 T SPD 14 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 23.0 WET 21.2 DEPTH 4334 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.289	34.959	4.64	23.526	0.000
10	24.298	34.959	4.65	23.524	0.044
20	24.289	34.957	4.67	23.525	0.087
30	24.236	34.959	4.62	23.542	0.131
40	23.865	34.955	4.46	23.649	0.174
50	21.391	34.865	3.51	24.286	0.214
60	19.460	34.868	3.07	24.803	0.247
70	17.345	34.844	3.14	25.313	0.276
80	16.017	34.773	3.12	25.570	0.302
90	15.325	34.851	3.06	25.786	0.325
100	14.973	34.905	3.01	25.906	0.347
110	14.208	34.865	2.91	26.040	0.367
120	13.503	34.797	2.80	26.135	0.387
130	12.962	34.817	2.61	26.259	0.405
140	12.514	34.832	2.35	26.360	0.423
150	12.333	34.855	2.23	26.413	0.439
160	12.158	34.860	1.98	26.450	0.456
170	12.089	34.860	1.81	26.464	0.472
180	12.040	34.858	1.77	26.472	0.488
190	11.979	34.856	1.69	26.482	0.504
200	11.844	34.845	1.45	26.499	0.519
250	11.550	34.823	1.25	26.537	0.598
300	10.730	34.772	1.34	26.647	0.673
300	10.730	34.772	1.34	26.647	0.673

CAST EP1-88-OC -021 DATE 24 MAY 88 TIME 1736 GMT

LAT 00 29.9N LONG 140 00.3W



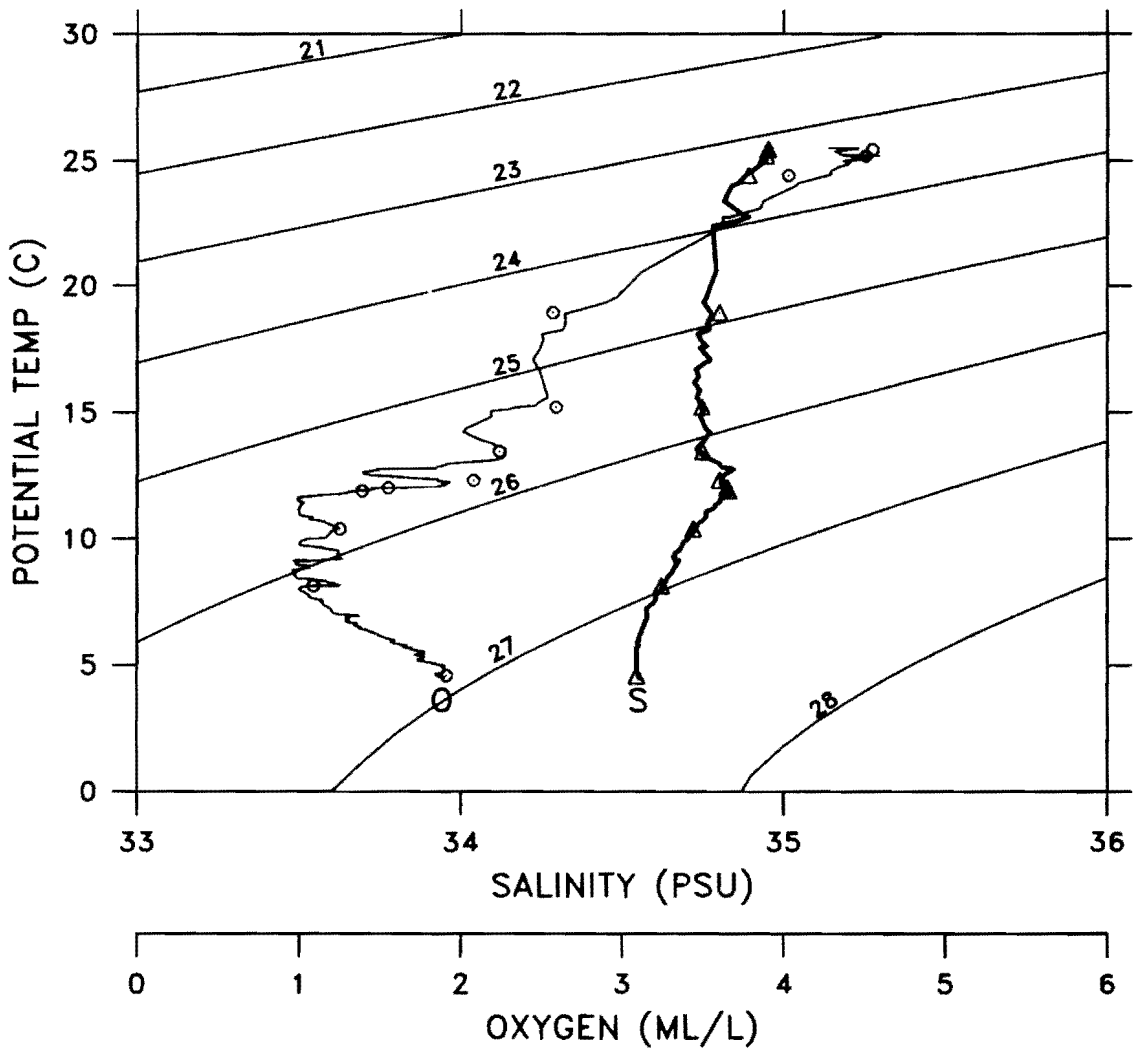


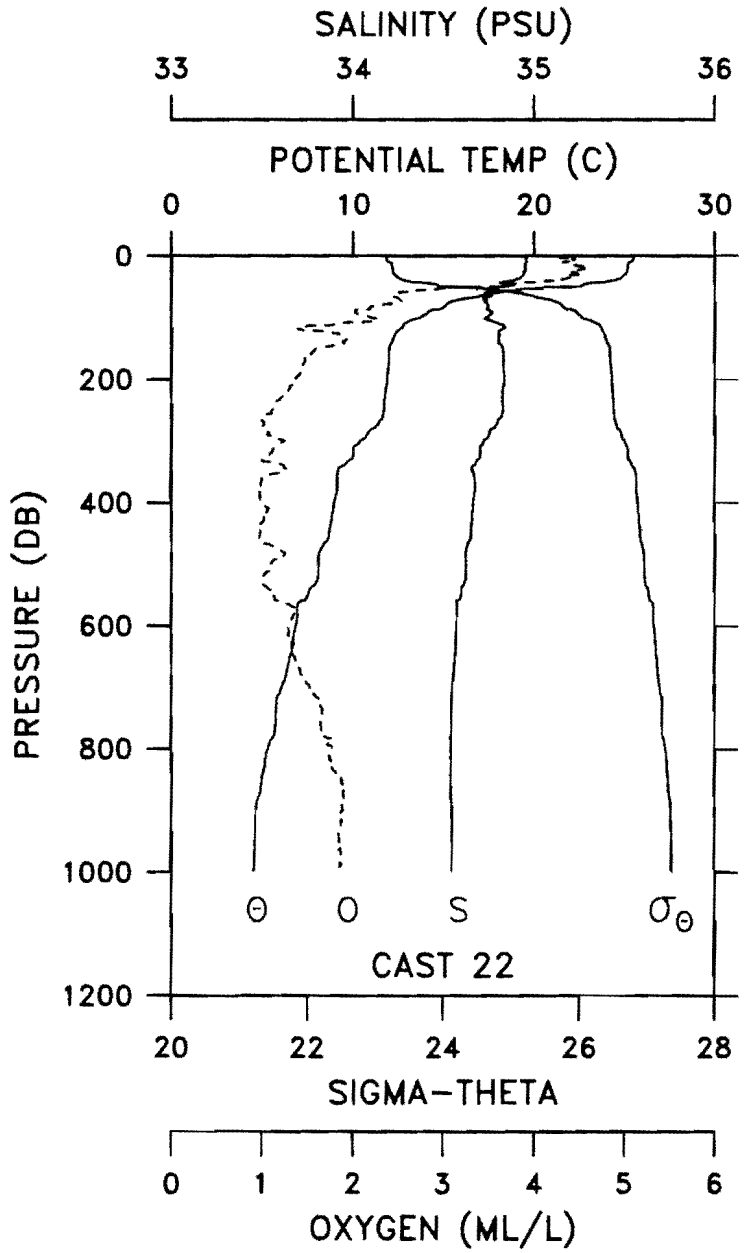
CAST EP1-88-OC -021 DATE 24 MAY 88 TIME 1736 GMT
LAT 00 29.9N LONG 140 00.3W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 130 T SPD 11 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 24.5 WET 22.0 DEPTH 4388 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.078	34.937	4.40	23.272	0.000
10	25.086	34.938	4.75	23.270	0.046
20	25.038	34.935	4.71	23.283	0.092
30	24.906	34.926	4.69	23.316	0.138
40	24.419	34.903	4.43	23.445	0.183
50	20.217	34.842	3.13	24.585	0.222
60	19.216	34.807	3.00	24.820	0.255
70	15.807	34.719	3.00	25.576	0.282
80	14.813	34.694	2.92	25.778	0.306
90	13.691	34.698	2.95	26.018	0.327
100	13.047	34.717	2.78	26.165	0.346
110	12.651	34.735	2.68	26.258	0.365
120	12.434	34.761	2.50	26.321	0.382
130	12.247	34.798	2.17	26.386	0.399
140	12.246	34.808	2.15	26.394	0.416
150	12.213	34.822	2.03	26.411	0.432
160	12.102	34.854	1.85	26.457	0.448
170	12.096	34.857	1.83	26.460	0.464
180	12.043	34.853	1.74	26.467	0.481
190	12.019	34.852	1.70	26.471	0.497
200	11.973	34.849	1.65	26.478	0.513
250	11.710	34.832	1.26	26.514	0.592
300	10.981	34.760	1.20	26.593	0.670
350	9.837	34.685	1.37	26.734	0.742
400	9.324	34.691	0.98	26.824	0.808
450	8.730	34.661	1.07	26.896	0.871
500	7.975	34.627	1.08	26.985	0.931
550	7.630	34.609	1.14	27.022	0.989
600	6.887	34.578	1.41	27.102	1.044
650	6.547	34.568	1.42	27.140	1.096
700	6.258	34.562	1.54	27.174	1.146
750	5.697	34.553	1.63	27.238	1.194
800	5.541	34.550	1.71	27.254	1.240
900	5.018	34.547	1.86	27.314	1.328
1000	4.548	34.555	1.85	27.374	1.412
1008	4.525	34.556	1.87	27.377	1.418

CAST EP1-88-OC -022 DATE 25 MAY 88 TIME 0205 GMT

LAT 00 58.5N LONG 139 59.5W



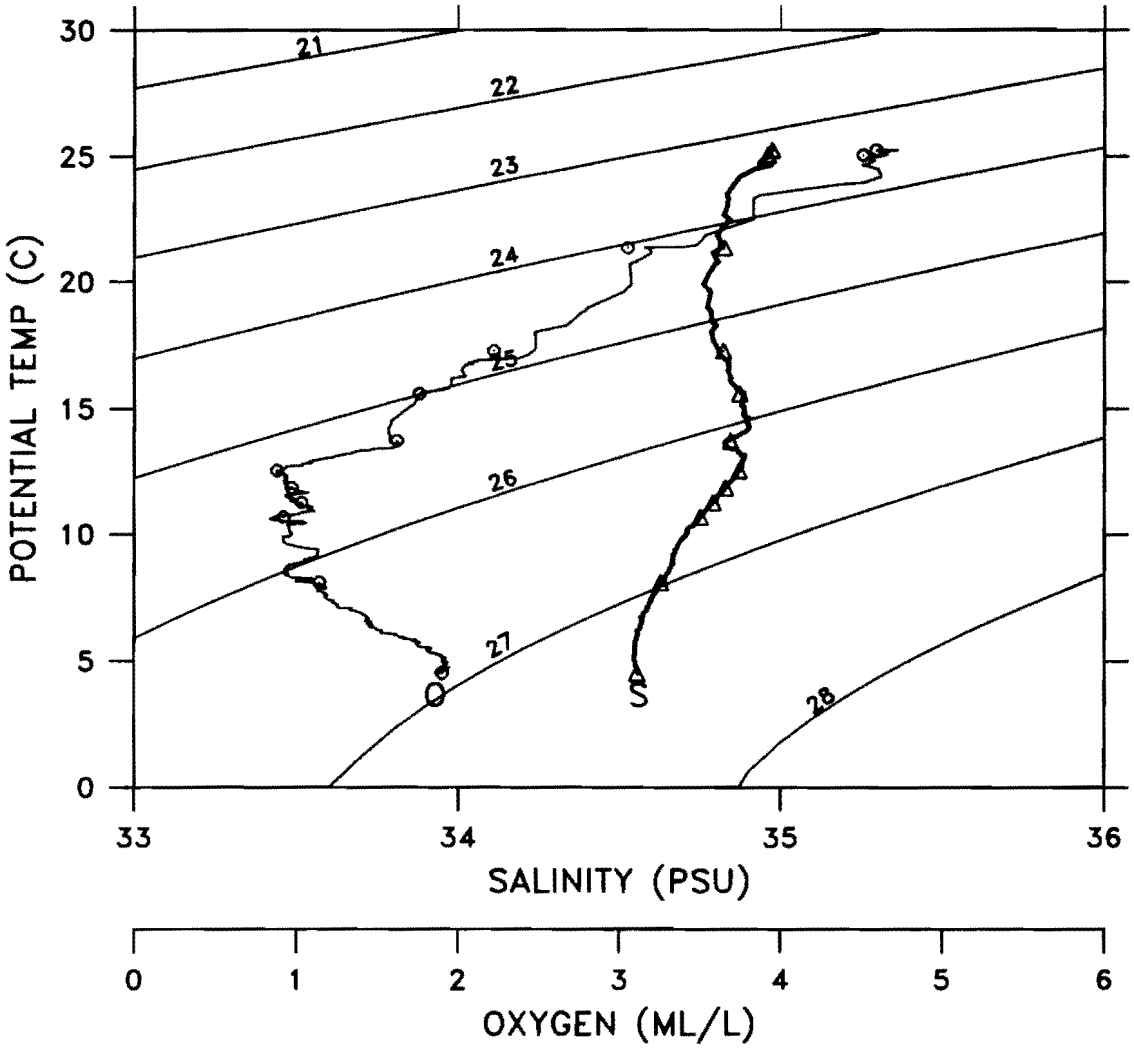


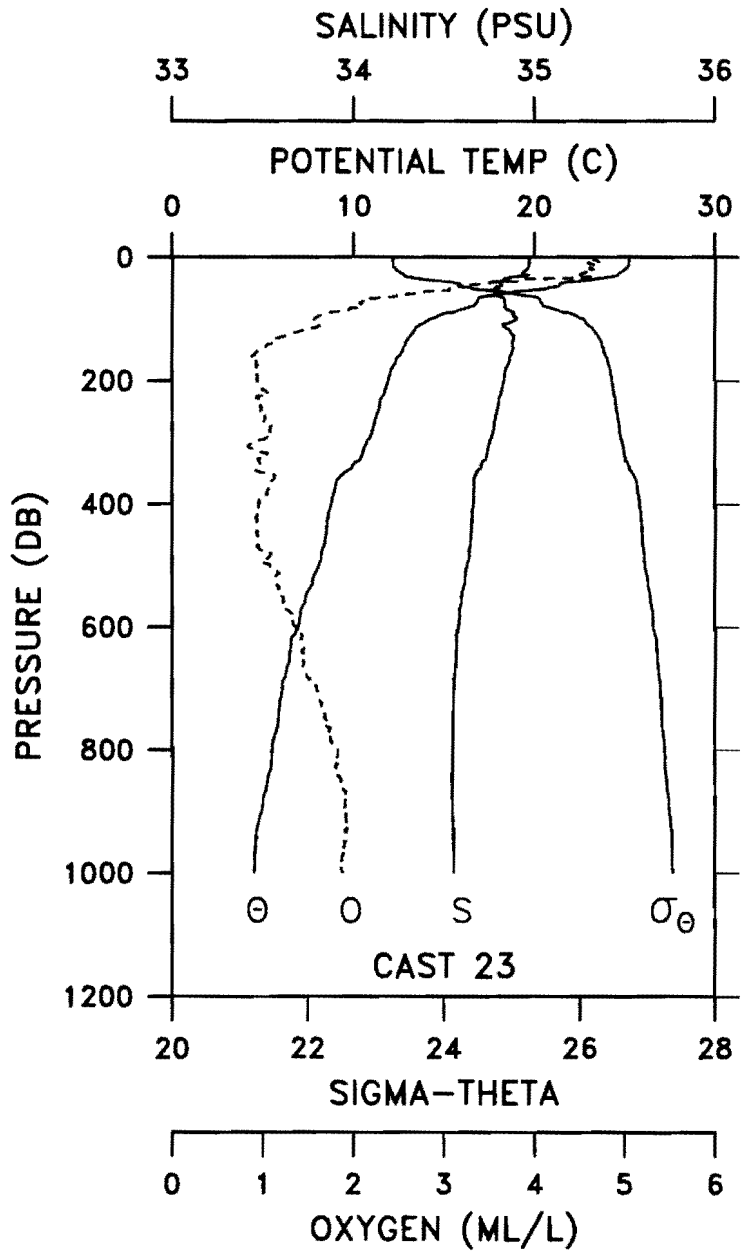
CAST EP1-88-OC -022 DATE 25 MAY 88 TIME 0205 GMT
LAT 00 58.5N LONG 139 59.5W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 090 T SPD 07 KT VISIBILITY 8
CLOUD 8 AMOUNT 1 DRY 26.0 WET 22.8 DEPTH 4389 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.518	34.960	4.28	23.155	0.000
10	25.363	34.958	4.32	23.201	0.047
20	25.185	34.952	4.54	23.250	0.093
30	25.055	34.947	4.50	23.287	0.139
40	24.447	34.885	4.30	23.423	0.185
50	22.400	34.781	3.63	23.940	0.226
60	17.862	34.744	2.51	25.110	0.258
70	16.040	34.732	2.52	25.533	0.285
80	15.162	34.750	2.31	25.744	0.308
90	14.209	34.771	2.01	25.967	0.330
100	13.751	34.743	2.20	26.041	0.350
110	12.816	34.813	1.84	26.285	0.369
120	12.521	34.814	1.44	26.345	0.386
130	12.297	34.809	1.85	26.384	0.403
140	12.161	34.809	1.91	26.410	0.419
150	12.019	34.830	1.61	26.454	0.436
160	12.008	34.835	1.49	26.460	0.452
170	11.996	34.836	1.47	26.463	0.468
180	11.974	34.836	1.46	26.467	0.484
190	11.915	34.837	1.42	26.479	0.500
200	11.899	34.838	1.36	26.483	0.516
250	11.709	34.830	1.11	26.513	0.595
300	10.372	34.726	1.24	26.674	0.671
350	9.164	34.668	1.24	26.832	0.739
400	8.957	34.668	1.00	26.866	0.803
450	8.675	34.656	0.98	26.901	0.865
500	8.121	34.629	1.09	26.965	0.925
550	7.526	34.603	1.13	27.032	0.983
600	6.863	34.577	1.30	27.104	1.036
650	6.517	34.567	1.37	27.143	1.088
700	6.079	34.553	1.53	27.189	1.137
750	5.761	34.550	1.64	27.228	1.185
800	5.333	34.546	1.77	27.276	1.231
900	4.696	34.551	1.89	27.354	1.316
1000	4.540	34.552	1.89	27.372	1.397
1010	4.481	34.554	1.88	27.380	1.405

CAST EP1-88-OC -023 DATE 25 MAY 88 TIME 0536 GMT

LAT 01 29.6N LONG 140 00.3W



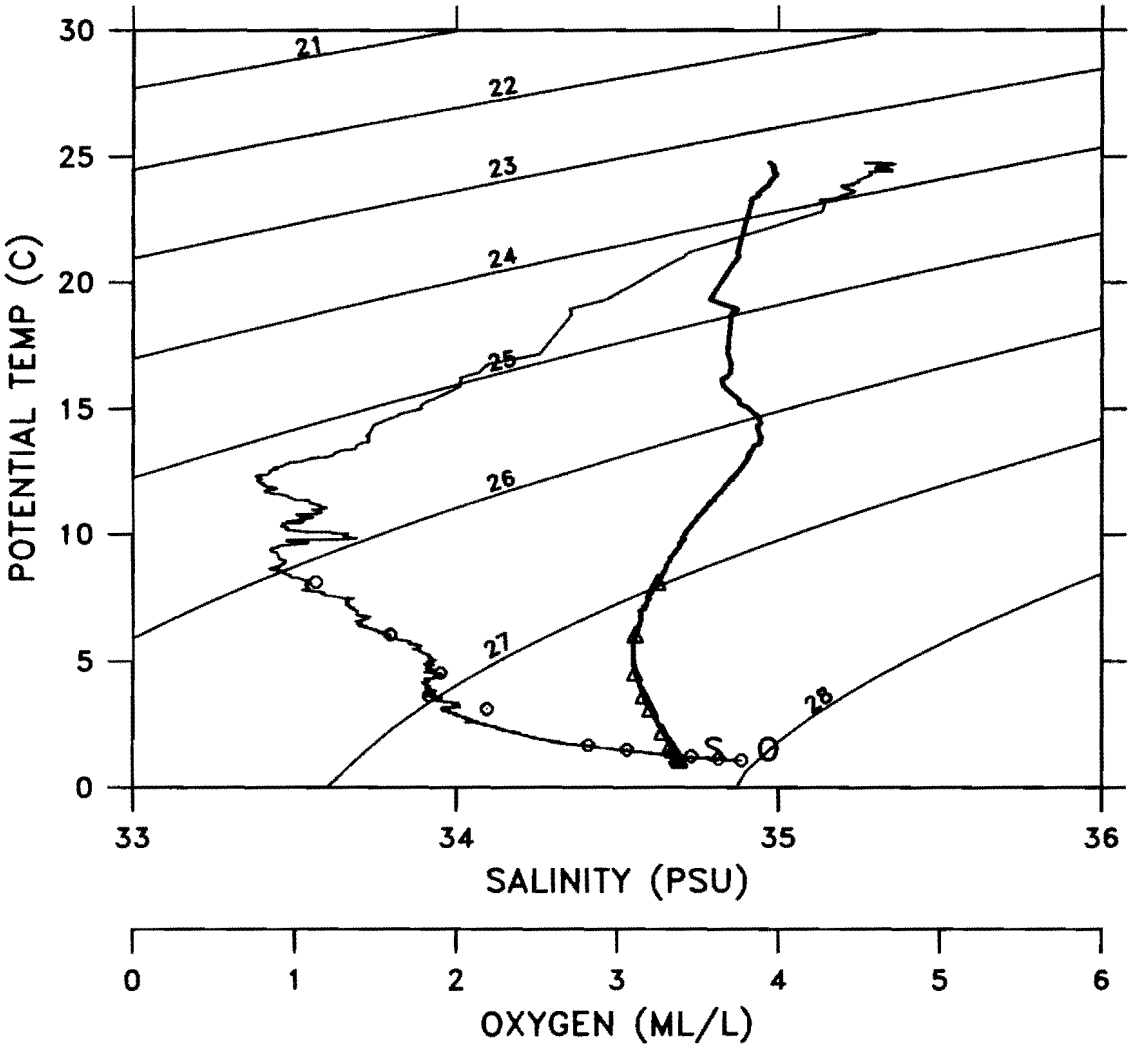


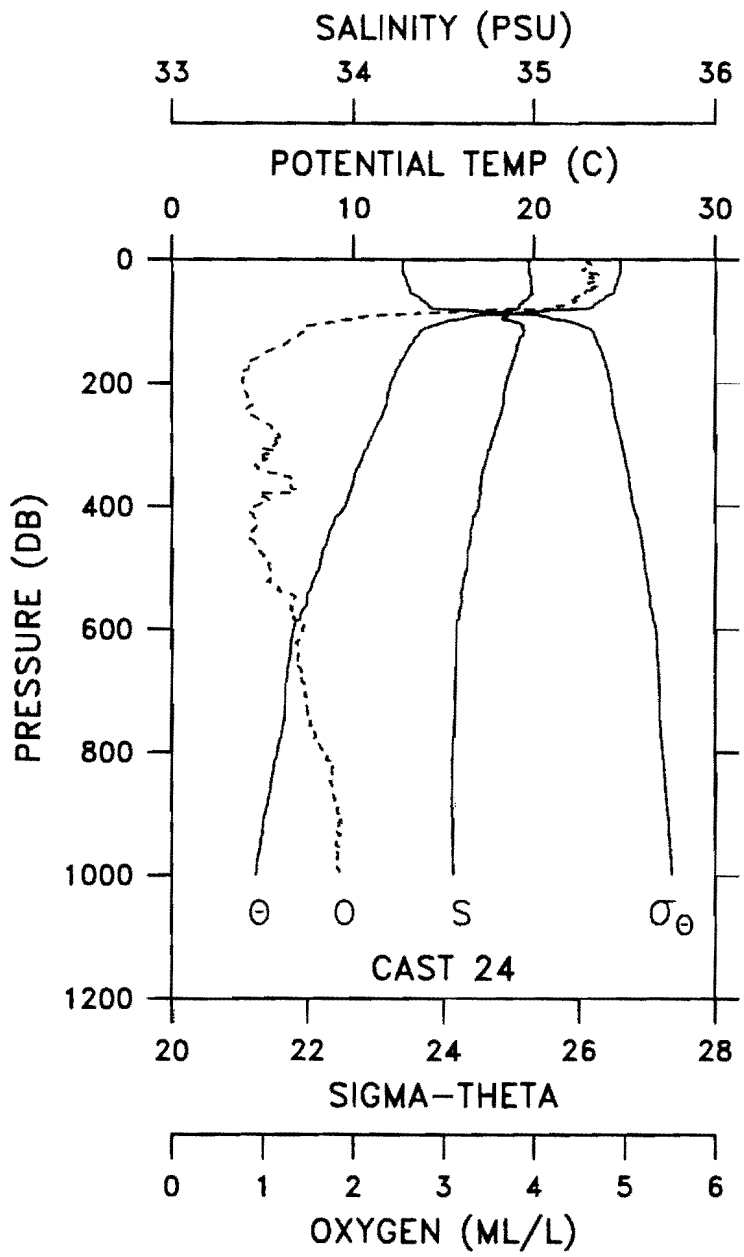
CAST EP1-88-OC -023 DATE 25 MAY 88 TIME 0536 GMT
LAT 01 29.6N LONG 140 00.3W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 090 T SPD 11 KT VISIBILITY 8
CLOUD 8 AMOUNT 1 DRY 23.8 WET 21.7 DEPTH 4475 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.264	34.974	4.65	23.243	0.000
10	25.251	34.972	4.59	23.245	0.046
20	25.057	34.959	4.66	23.295	0.092
30	24.609	34.956	4.54	23.428	0.138
40	21.869	34.801	3.53	24.105	0.180
50	20.774	34.807	3.08	24.409	0.216
60	18.160	34.792	2.57	25.074	0.248
70	16.872	34.837	2.11	25.420	0.275
80	16.504	34.835	2.02	25.505	0.300
90	15.146	34.877	1.72	25.846	0.324
100	14.260	34.904	1.57	26.059	0.345
110	13.634	34.827	1.61	26.131	0.364
120	13.334	34.869	1.41	26.224	0.383
130	13.055	34.885	1.20	26.293	0.401
140	12.859	34.881	1.10	26.329	0.418
150	12.717	34.880	0.93	26.357	0.435
160	12.488	34.866	0.88	26.391	0.452
170	12.315	34.861	0.92	26.421	0.468
180	12.083	34.842	0.94	26.451	0.485
190	11.985	34.836	0.93	26.465	0.501
200	11.896	34.832	0.94	26.479	0.517
250	11.336	34.793	0.96	26.553	0.595
300	10.713	34.753	0.88	26.635	0.670
350	9.467	34.680	1.04	26.792	0.741
400	8.780	34.663	0.96	26.890	0.804
450	8.494	34.651	0.93	26.925	0.865
500	8.112	34.629	1.08	26.966	0.925
550	7.401	34.598	1.20	27.046	0.982
600	6.962	34.580	1.37	27.093	1.036
650	6.463	34.568	1.43	27.152	1.087
700	6.060	34.558	1.60	27.196	1.136
750	5.858	34.553	1.70	27.217	1.184
800	5.514	34.547	1.83	27.255	1.230
900	4.932	34.549	1.94	27.326	1.319
1000	4.521	34.557	1.87	27.378	1.400
1004	4.520	34.556	1.86	27.378	1.403

CAST EP1-88-OC -024 DATE 25 MAY 88 TIME 1040 GMT

LAT 02 01.1N LONG 139 58.6W



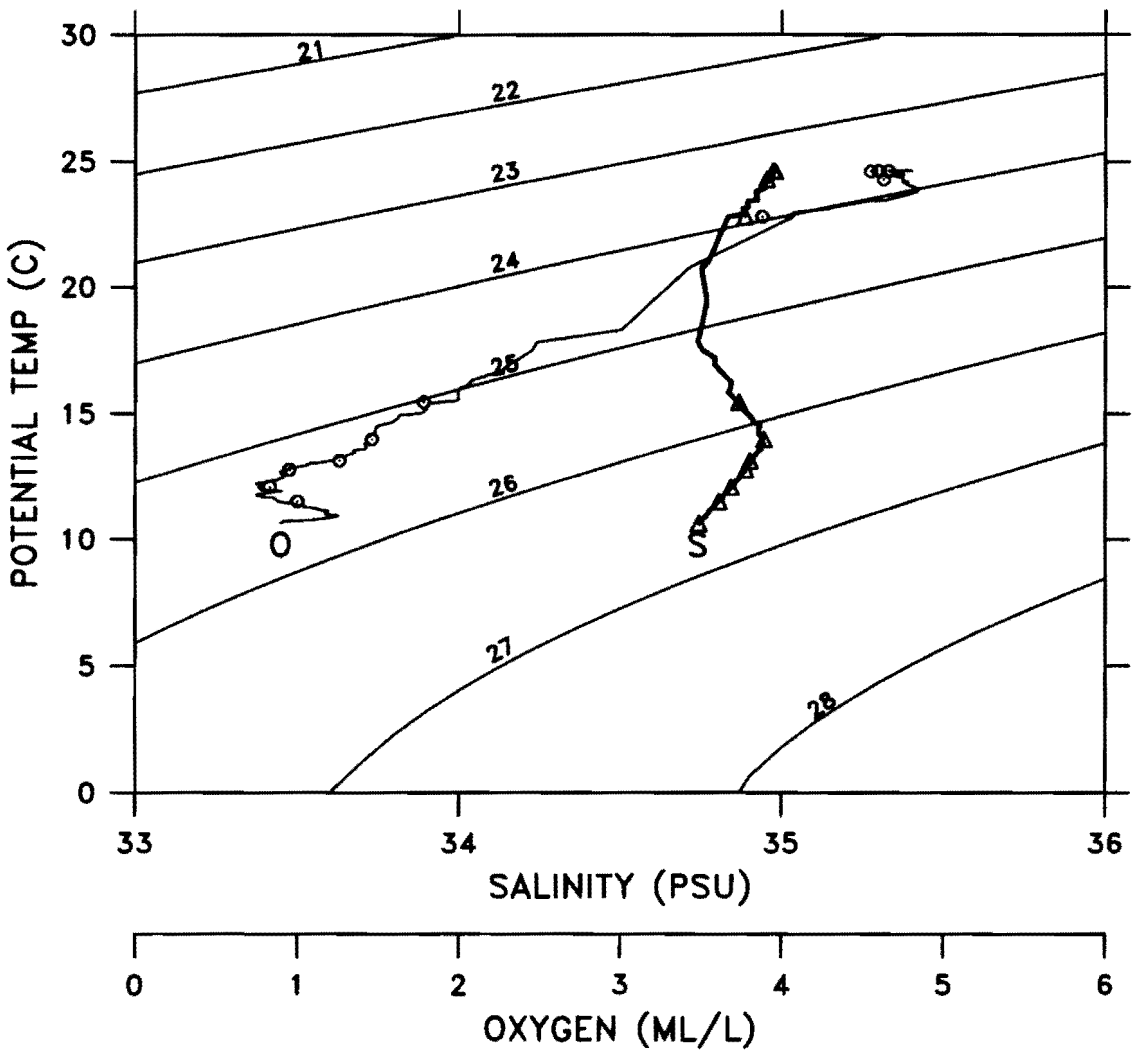


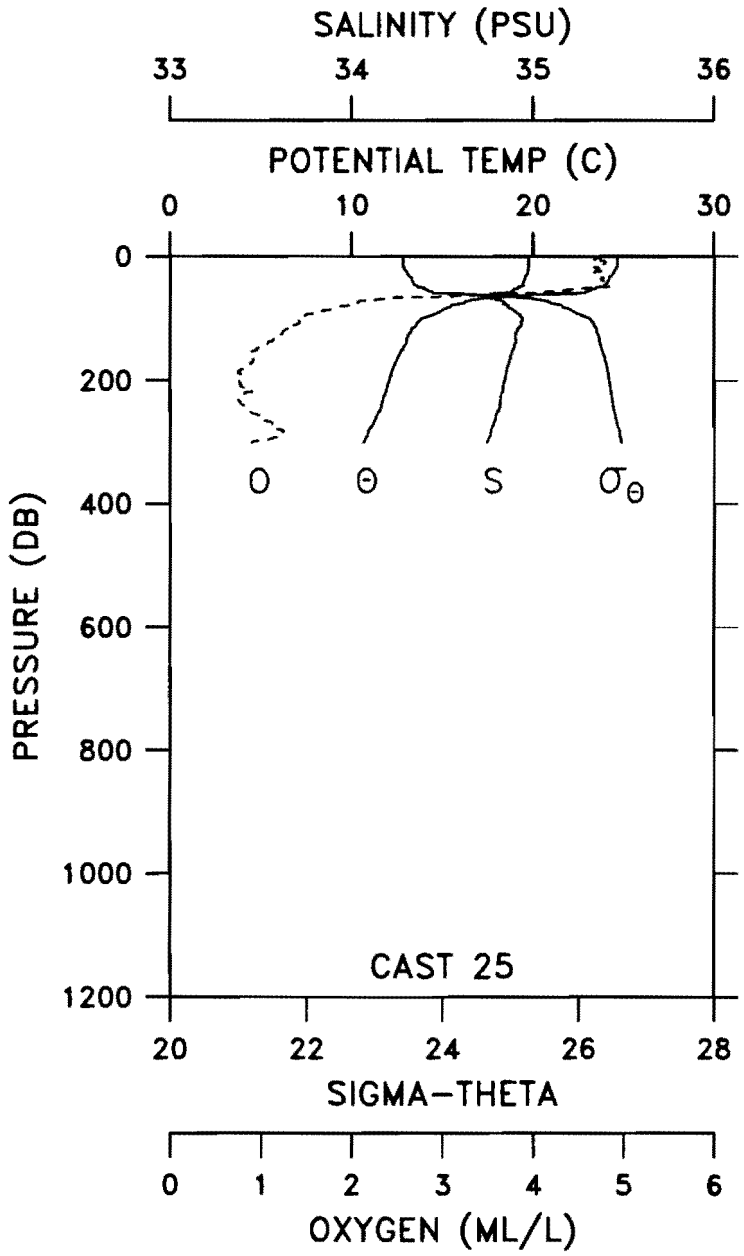
CAST EP1-88-OC -024 DATE 25 MAY 88 TIME 1040 GMT
LAT 02 01.1N LONG 139 58.6W WEATHER 0 SEA STATE 3
BAROMETER 11 WIND DIR 100 T SPD 12 KT VISIBILITY 8
CLOUD X AMOUNT 0 DRY 23.5 WET 21.0 DEPTH 4377 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.745	34.973	4.60	23.400	0.000
10	24.751	34.972	4.63	23.397	0.045
20	24.743	34.972	4.63	23.400	0.090
30	24.628	34.984	4.66	23.444	0.134
40	24.548	34.983	4.65	23.467	0.179
50	24.423	34.986	4.58	23.506	0.223
60	23.955	34.972	4.47	23.635	0.266
70	23.467	34.940	4.39	23.754	0.308
80	22.827	34.908	4.27	23.915	0.350
90	16.966	34.847	2.36	25.405	0.382
100	15.185	34.877	1.78	25.837	0.406
110	14.144	34.936	1.47	26.108	0.427
120	13.666	34.942	1.42	26.212	0.445
130	13.377	34.918	1.31	26.253	0.463
140	13.116	34.903	1.21	26.295	0.481
150	12.922	34.898	1.04	26.330	0.499
160	12.767	34.888	0.93	26.354	0.516
170	12.593	34.881	0.88	26.383	0.533
180	12.378	34.866	0.78	26.413	0.549
190	12.243	34.851	0.77	26.427	0.566
200	12.087	34.848	0.78	26.455	0.582
250	11.635	34.816	0.84	26.516	0.662
300	10.817	34.760	1.14	26.622	0.738
350	10.048	34.711	1.23	26.719	0.810
400	9.545	34.695	0.91	26.791	0.879
450	8.624	34.649	0.84	26.903	0.942
500	8.152	34.632	1.07	26.962	1.002
550	7.469	34.600	1.36	27.037	1.060
600	6.702	34.572	1.44	27.123	1.113
650	6.491	34.570	1.40	27.149	1.164
700	6.262	34.564	1.48	27.175	1.214
750	6.157	34.561	1.54	27.186	1.263
800	5.799	34.552	1.68	27.224	1.312
900	5.138	34.548	1.83	27.301	1.403
1000	4.625	34.556	1.83	27.366	1.487
1500	3.100	34.603	1.92	27.559	1.843
2000	2.221	34.640	2.31	27.665	2.131
2500	1.678	34.666	2.72	27.729	2.381
3000	1.488	34.674	2.99	27.749	2.613
3500	1.242	34.687	3.31	27.778	2.840
4000	1.118	34.694	3.59	27.791	3.056
4443	1.058	34.696	3.74	27.797	3.251

CAST EP1-88-OC -025 DATE 25 MAY 88 TIME 1327 GMT

LAT 02 01.0N LONG 139 58.5W



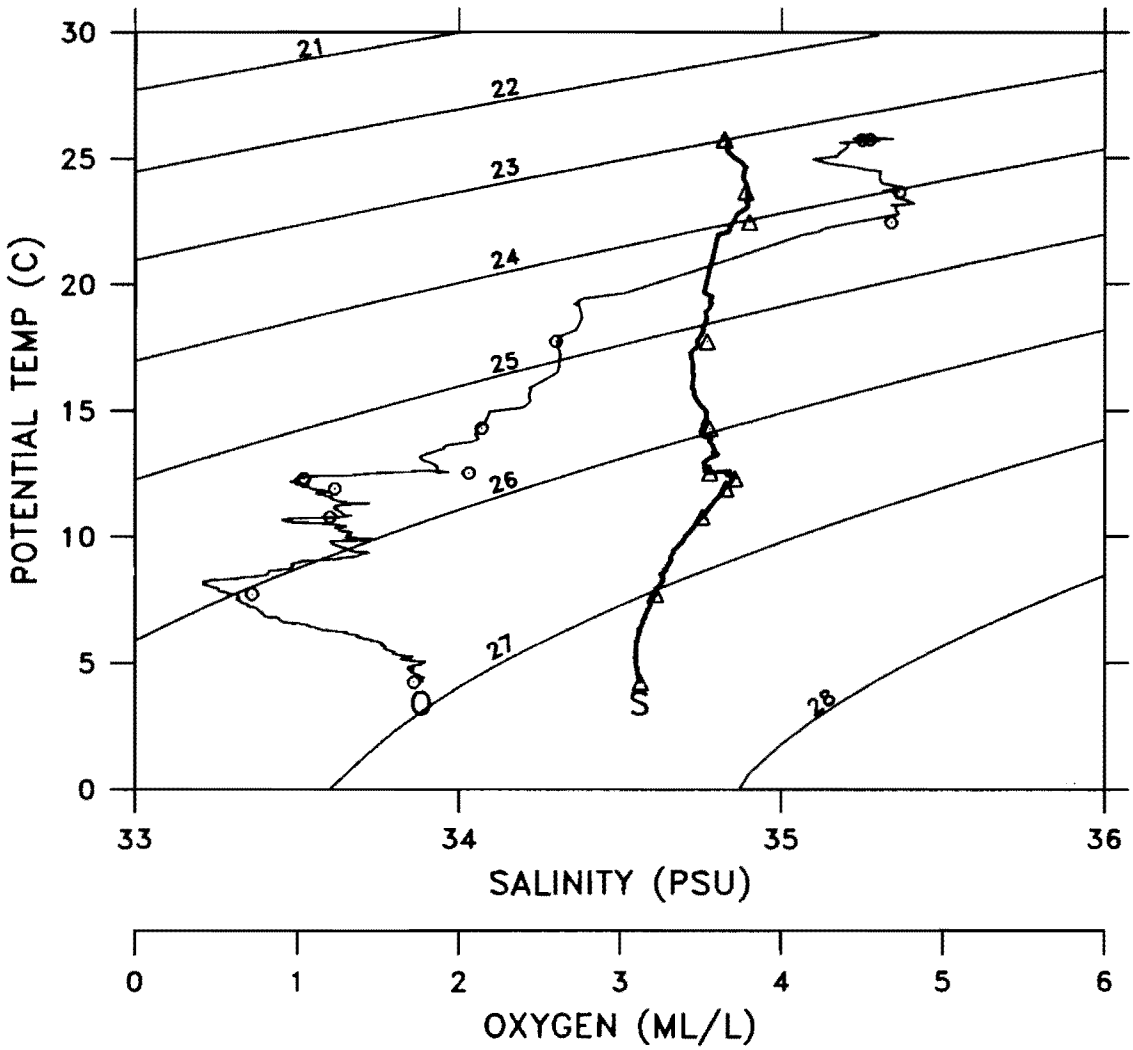


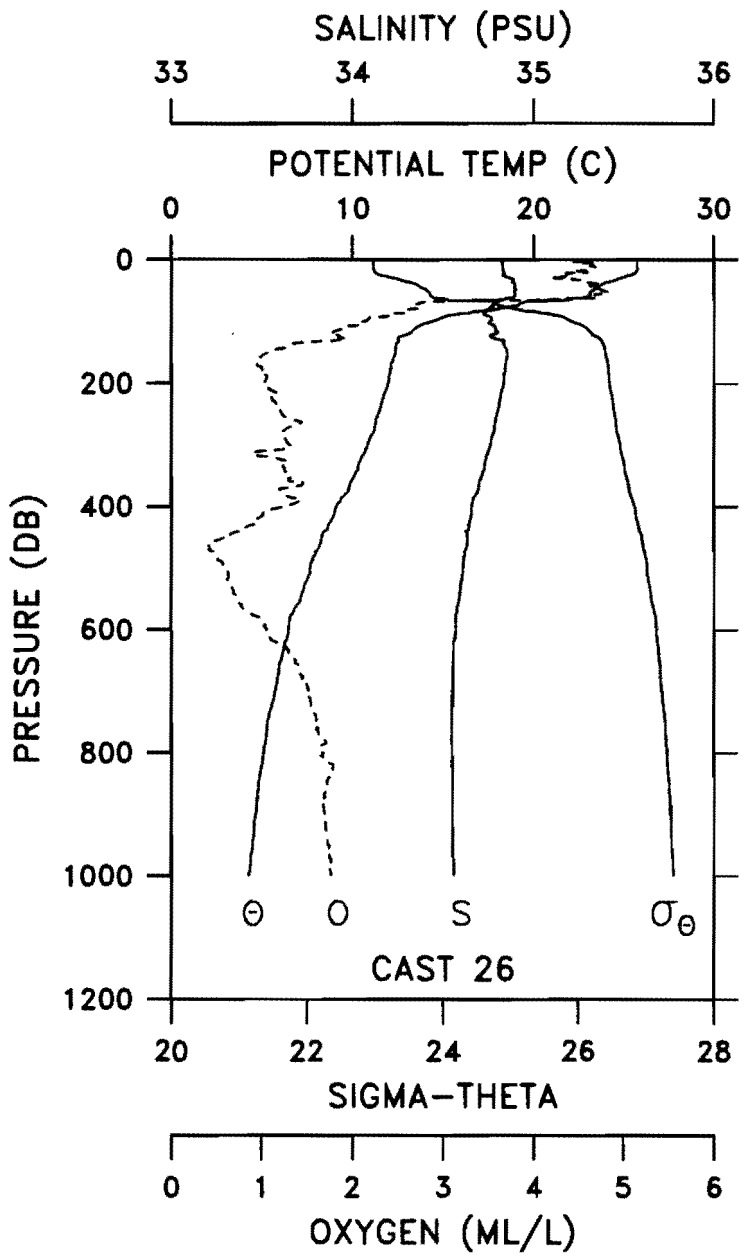
CAST EP1-88-OC -025 DATE 25 MAY 88 TIME 1327 GMT
LAT 02 01.0N LONG 139 58.5W WEATHER 2 SEA STATE 3
BAROMETER 10 WIND DIR 120 T SPD 14 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 23.8 WET 22.1 DEPTH 4371 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.645	34.977	4.75	23.433	0.000
10	24.646	34.976	4.81	23.432	0.044
20	24.589	34.973	4.73	23.447	0.089
30	24.372	34.962	4.74	23.504	0.133
40	24.134	34.949	4.77	23.565	0.177
50	23.467	34.925	4.65	23.743	0.219
60	20.990	34.772	3.49	24.325	0.260
70	16.680	34.809	2.26	25.444	0.291
80	15.480	34.866	1.92	25.763	0.314
90	14.801	34.909	1.62	25.946	0.336
100	13.875	34.938	1.43	26.166	0.356
110	13.585	34.936	1.39	26.225	0.374
120	13.293	34.913	1.26	26.267	0.392
130	13.091	34.902	1.16	26.299	0.410
140	13.023	34.903	1.08	26.314	0.427
150	12.836	34.889	0.95	26.340	0.445
160	12.614	34.877	0.91	26.375	0.461
170	12.452	34.868	0.90	26.400	0.478
180	12.278	34.856	0.80	26.425	0.495
190	12.181	34.851	0.78	26.439	0.511
200	12.085	34.843	0.77	26.452	0.527
250	11.556	34.804	0.87	26.522	0.607
300	10.677	34.746	0.91	26.636	0.683
301	10.645	34.744	0.90	26.640	0.684

CAST EP1-88-OC -026 DATE 26 MAY 88 TIME 1506 GMT

LAT 02 59.2N LONG 140 00.5W



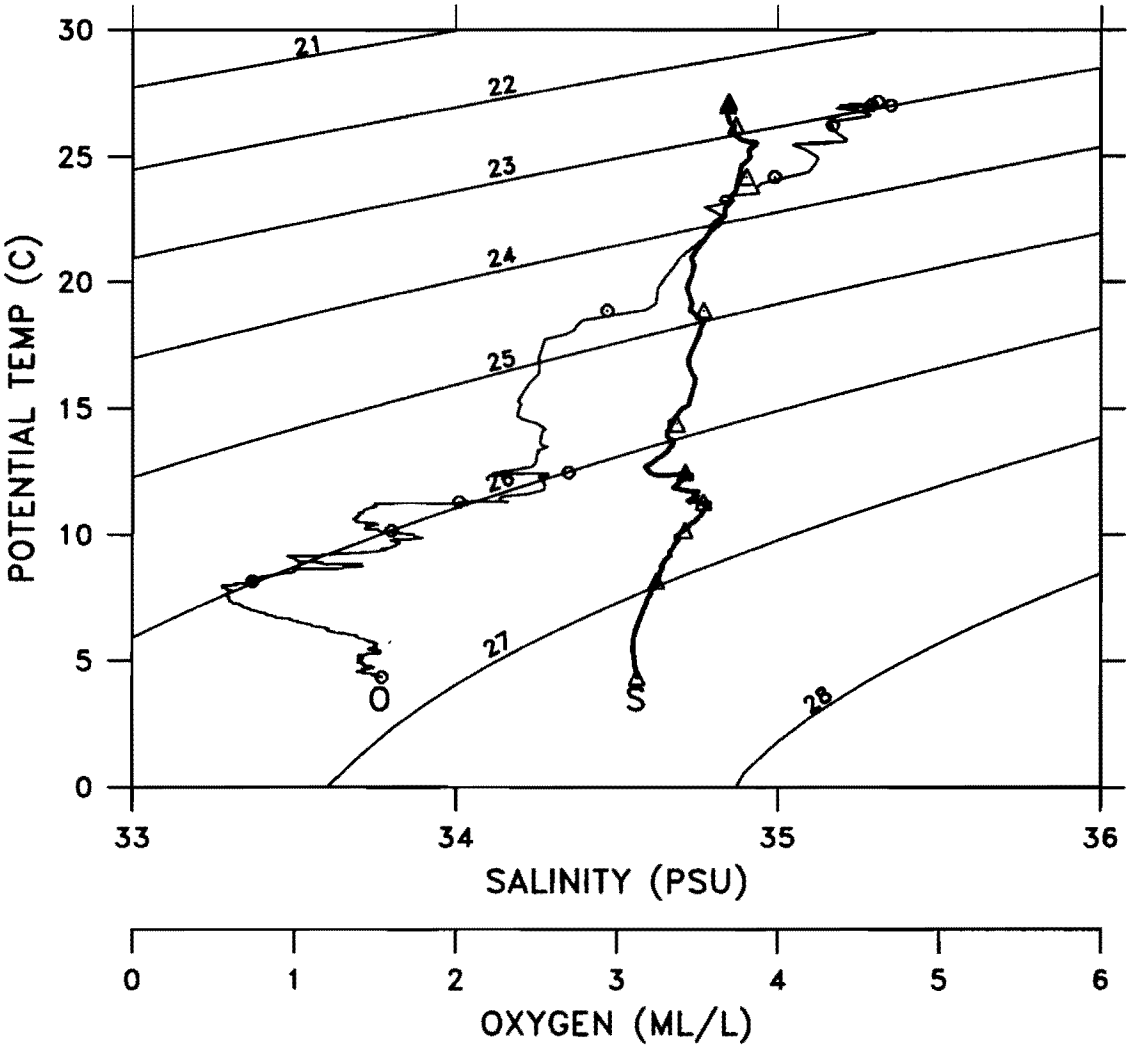


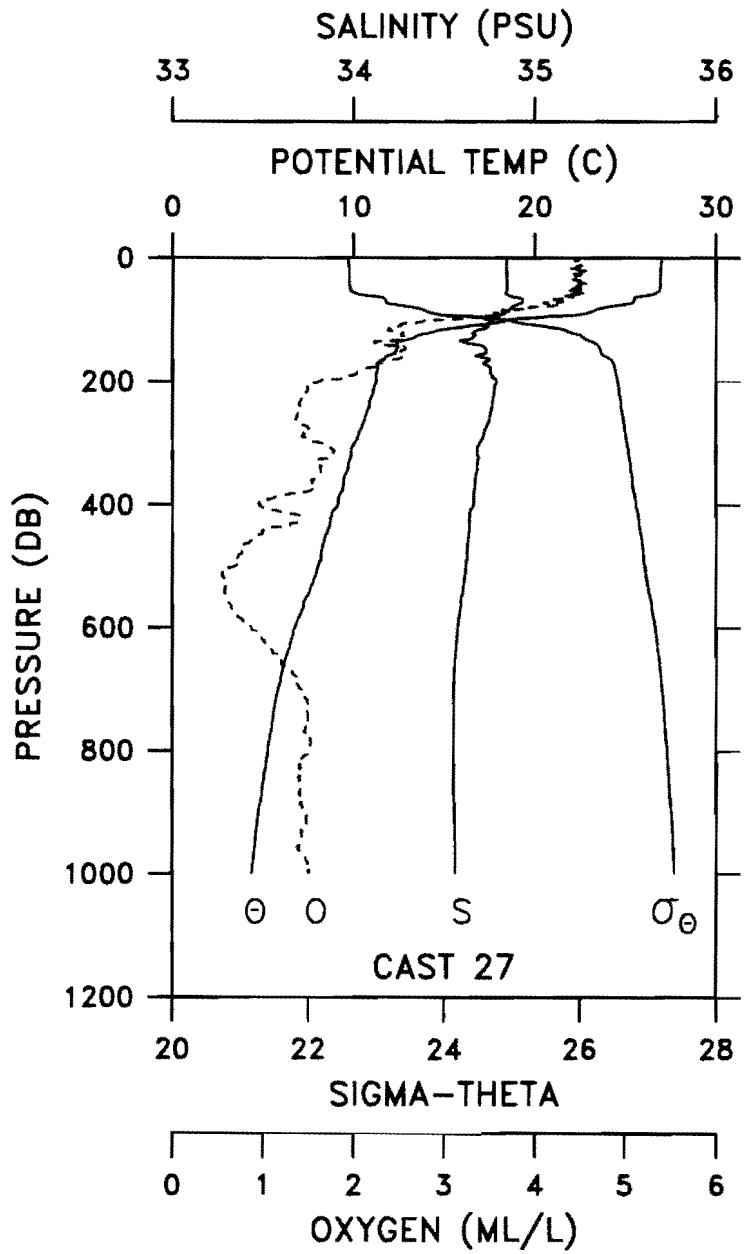
CAST EP1-88-OC -026 DATE 26 MAY 88 TIME 1506 GMT
LAT 02 59.2N LONG 140 00.5W WEATHER 1 SEA STATE 2
BAROMETER 12 WIND DIR 135 T SPD 15 KT VISIBILITY 8
CLOUD 9 AMOUNT 4 DRY 24.1 WET 21.9 DEPTH 4303 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.779	34.822	4.45	22.970	0.000
10	25.767	34.828	4.63	22.978	0.049
20	25.705	34.832	4.57	23.000	0.098
30	24.813	34.878	4.28	23.308	0.145
40	23.795	34.895	4.77	23.624	0.189
50	23.281	34.896	4.79	23.775	0.232
60	23.016	34.894	4.71	23.850	0.273
70	19.322	34.778	2.74	24.770	0.309
80	17.913	34.748	2.61	25.101	0.340
90	15.358	34.740	2.44	25.693	0.366
100	14.394	34.756	2.13	25.916	0.388
110	13.530	34.790	1.90	26.123	0.408
120	13.131	34.780	1.76	26.196	0.427
130	12.594	34.839	1.84	26.349	0.444
140	12.413	34.839	1.29	26.385	0.461
150	12.387	34.855	1.12	26.402	0.478
160	12.279	34.850	0.99	26.419	0.494
170	12.140	34.842	0.96	26.440	0.510
180	12.116	34.841	1.00	26.444	0.527
190	12.038	34.836	1.07	26.455	0.543
200	11.982	34.833	1.02	26.463	0.559
250	11.444	34.797	1.23	26.536	0.638
300	10.833	34.760	1.33	26.619	0.714
350	10.123	34.712	1.33	26.707	0.786
400	9.106	34.657	1.27	26.833	0.854
450	8.310	34.632	0.57	26.938	0.917
500	7.691	34.608	0.62	27.012	0.975
550	7.153	34.589	0.75	27.074	1.030
600	6.506	34.569	1.06	27.146	1.081
650	6.086	34.557	1.38	27.192	1.130
700	5.756	34.550	1.51	27.228	1.177
750	5.344	34.549	1.59	27.278	1.223
800	5.122	34.549	1.68	27.304	1.267
900	4.702	34.554	1.70	27.355	1.350
1000	4.357	34.560	1.76	27.398	1.430
1017	4.265	34.562	1.76	27.410	1.443

CAST EP1-88-OC -027 DATE 26 MAY 88 TIME 2106 GMT

LAT 03 59.6N LONG 140 00.2W



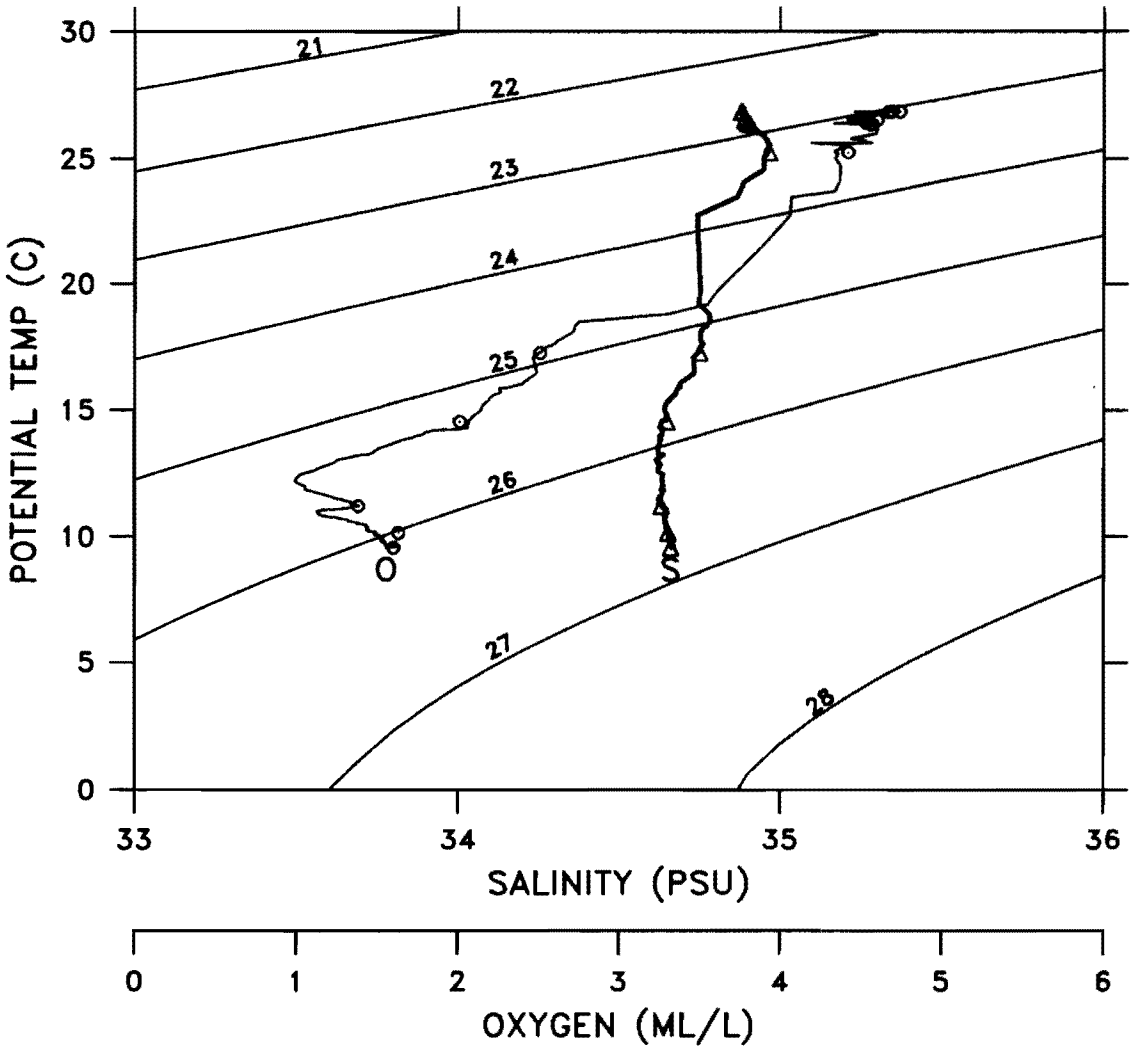


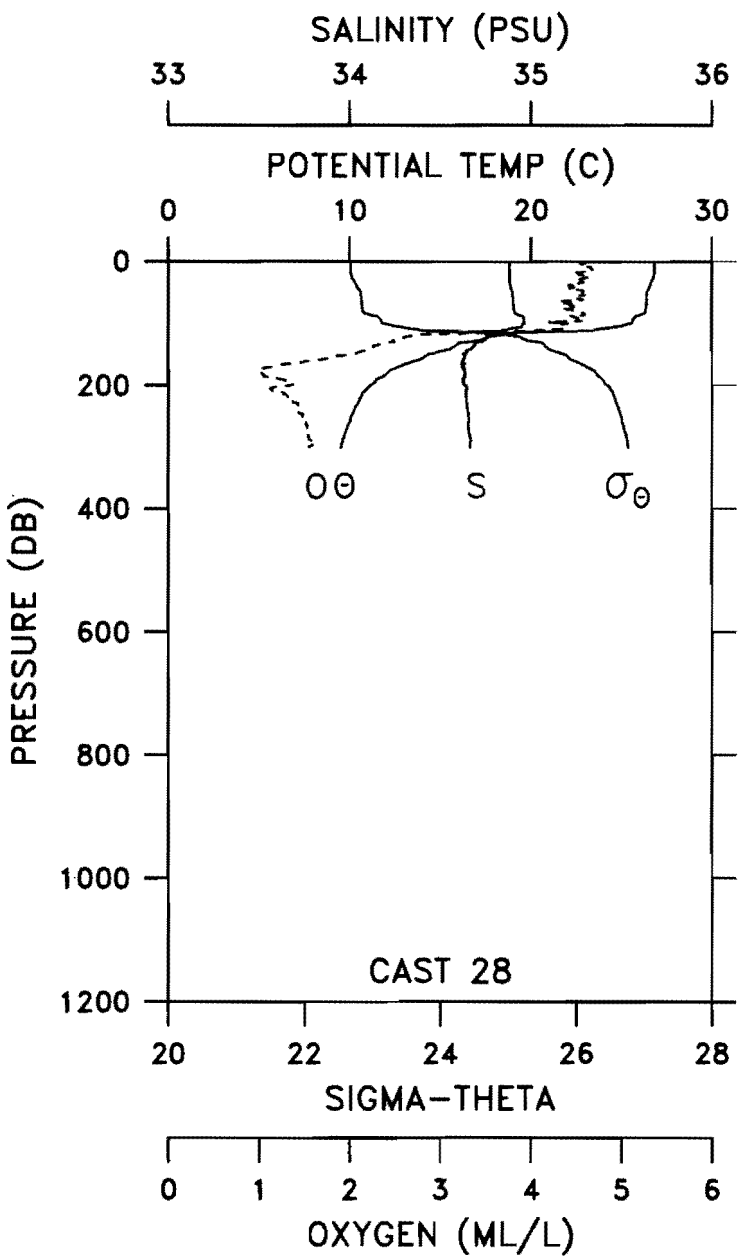
CAST EP1-88-OC -027 DATE 26 MAY 88 TIME 2106 GMT
LAT 03 59.6N LONG 140 00.2W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 135 T SPD 12 KT VISIBILITY 8
CLOUD 7 AMOUNT 6 DRY 26.8 WET 23.1 DEPTH 4356 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.055	34.847	4.49	22.587	0.000
10	27.025	34.844	4.53	22.594	0.053
20	27.001	34.846	4.51	22.604	0.105
30	26.993	34.846	4.46	22.606	0.157
40	26.984	34.847	4.51	22.609	0.210
50	26.953	34.847	4.44	22.620	0.262
60	26.336	34.849	4.32	22.817	0.314
70	25.503	34.933	4.30	23.139	0.363
80	23.941	34.874	3.90	23.565	0.409
90	22.786	34.835	3.62	23.871	0.451
100	18.672	34.747	2.98	24.912	0.487
110	16.363	34.735	2.52	25.461	0.515
120	14.409	34.666	2.50	25.843	0.538
130	13.251	34.654	2.51	26.075	0.559
140	12.393	34.687	2.32	26.271	0.577
150	12.312	34.730	2.52	26.320	0.595
160	11.769	34.706	2.54	26.405	0.612
170	11.301	34.720	2.30	26.503	0.628
180	11.317	34.757	2.12	26.529	0.644
190	11.230	34.765	1.98	26.551	0.659
200	11.235	34.789	1.63	26.569	0.674
250	10.719	34.757	1.39	26.638	0.748
300	10.049	34.697	1.66	26.707	0.819
350	9.560	34.678	1.62	26.775	0.888
400	9.132	34.664	0.97	26.834	0.953
450	8.461	34.635	0.93	26.918	1.016
500	8.063	34.623	0.70	26.968	1.076
550	7.417	34.595	0.60	27.041	1.133
600	6.764	34.575	0.86	27.117	1.186
650	6.264	34.562	1.21	27.173	1.237
700	5.857	34.554	1.42	27.219	1.285
750	5.553	34.551	1.50	27.253	1.331
800	5.271	34.552	1.53	27.288	1.375
900	4.757	34.557	1.48	27.352	1.460
1000	4.384	34.563	1.50	27.398	1.540
1013	4.344	34.565	1.53	27.404	1.550

CAST EP1-88-OC -028 DATE 27 MAY 88 TIME 1113 GMT

LAT 05 00.1N LONG 140 00.5W



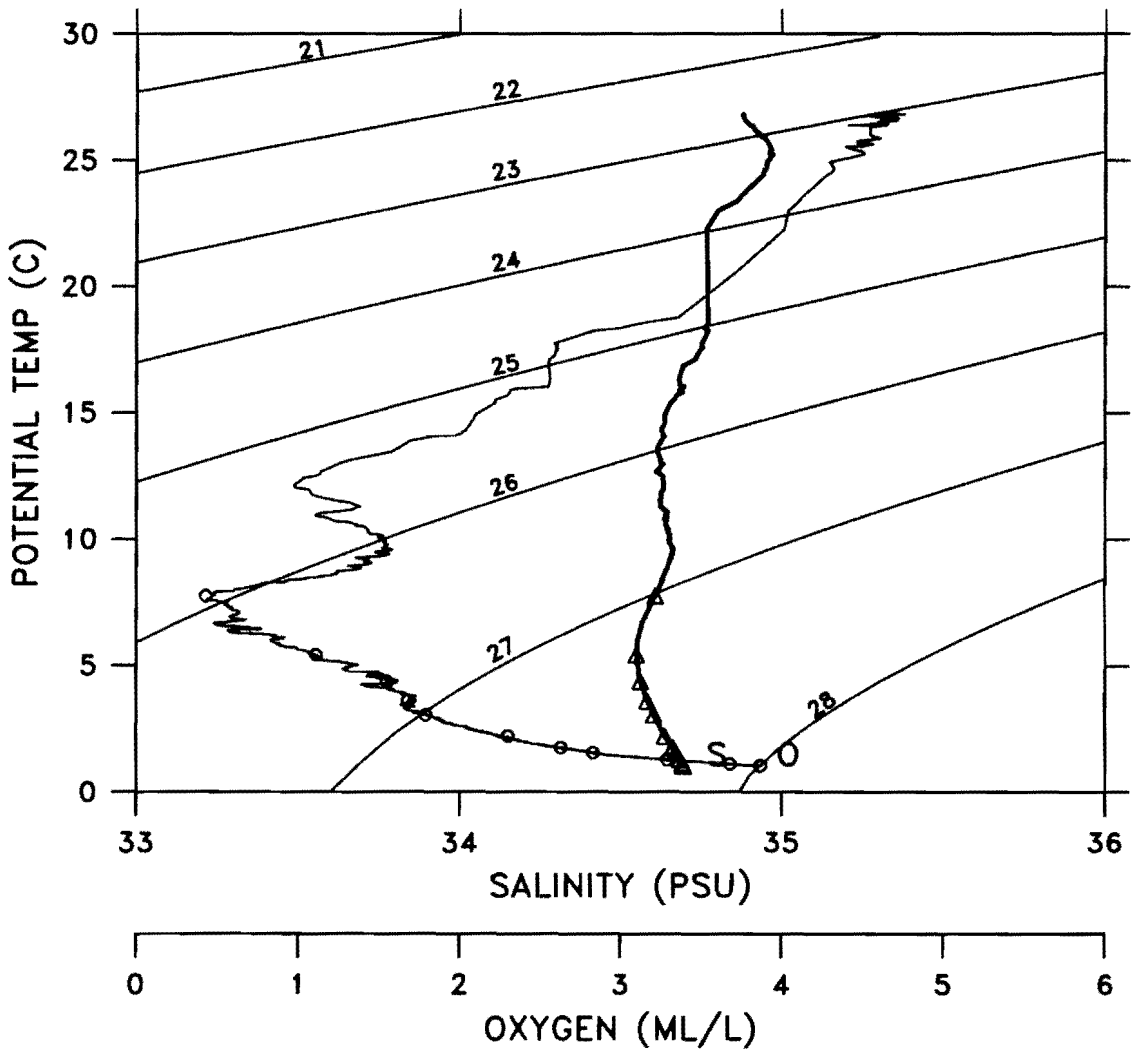


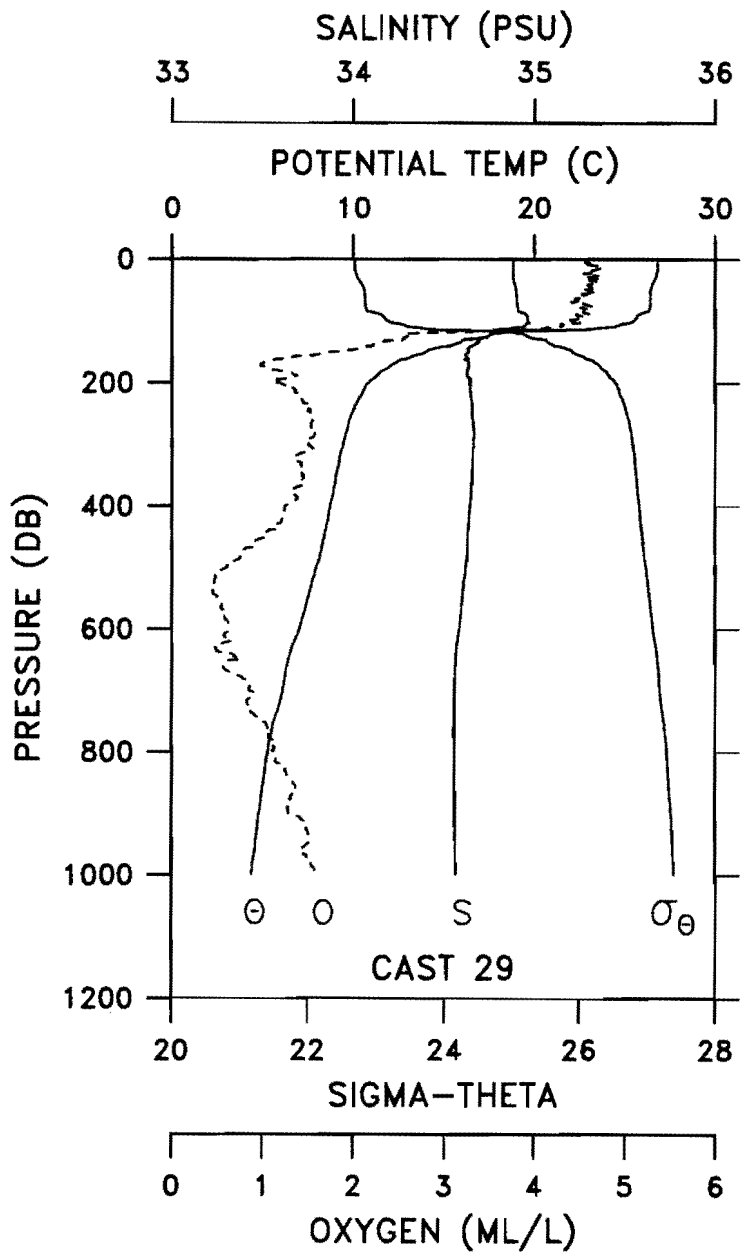
CAST EP1-88-OC -028 DATE 27 MAY 88 TIME 1113 GMT
LAT 05 00.1N LONG 140 00.5W WEATHER 1 SEA STATE 2
BAROMETER 11 WIND DIR 130 T SPD 08 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 25.6 WET 23.0 DEPTH 4444 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.836	34.881	4.60	22.682	0.000
10	26.838	34.881	4.66	22.682	0.052
20	26.832	34.881	4.55	22.684	0.103
30	26.706	34.881	4.53	22.724	0.155
40	26.559	34.887	4.42	22.774	0.206
50	26.412	34.898	4.52	22.830	0.257
60	26.393	34.900	4.52	22.837	0.307
70	26.373	34.903	4.41	22.845	0.357
80	26.340	34.909	4.49	22.860	0.408
90	25.724	34.958	4.50	23.089	0.457
100	25.526	34.967	4.42	23.157	0.505
110	23.591	34.871	4.20	23.666	0.550
120	18.100	34.754	2.72	25.060	0.584
130	16.450	34.734	2.49	25.440	0.612
140	15.630	34.675	2.24	25.583	0.637
150	14.306	34.625	2.06	25.833	0.660
160	13.676	34.625	1.59	25.965	0.682
170	12.732	34.622	1.14	26.154	0.702
180	12.060	34.635	1.03	26.295	0.720
190	11.507	34.623	1.25	26.389	0.737
200	11.143	34.635	1.34	26.466	0.753
250	10.092	34.654	1.48	26.667	0.828
300	9.537	34.663	1.55	26.767	0.897
301	9.534	34.663	1.55	26.768	0.898

CAST EP1-88-OC -029 DATE 27 MAY 88 TIME 1418 GMT

LAT 04 59.0N LONG 139 59.8W



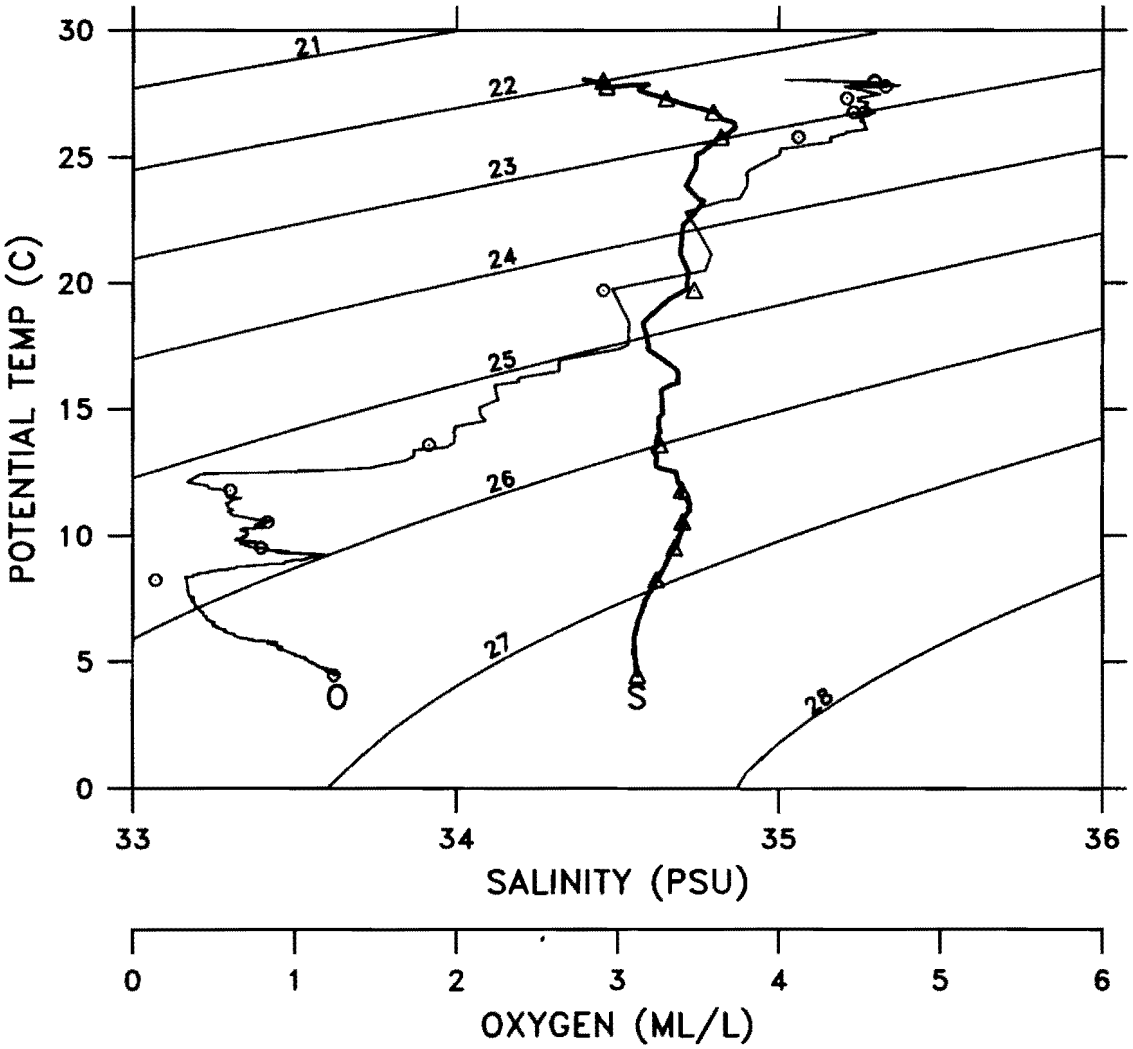


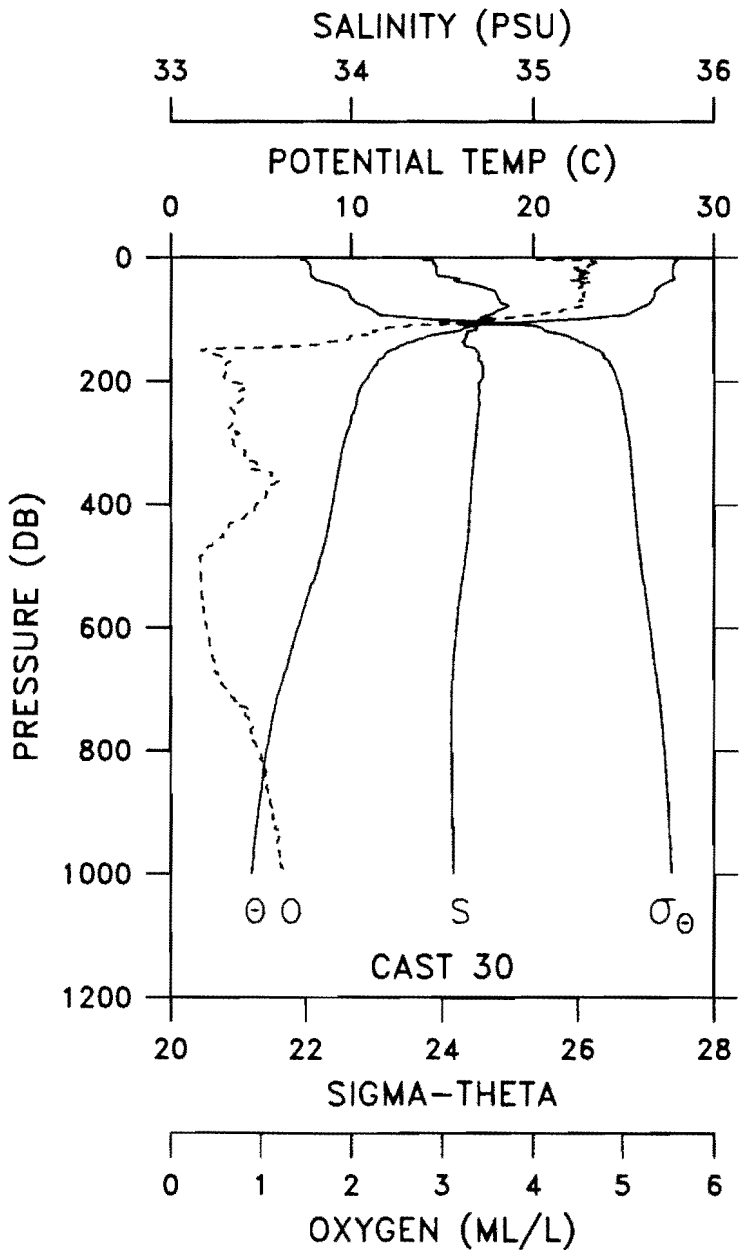
CAST EP1-88-OC -029 DATE 27 MAY 88 TIME 1418 GMT
LAT 04 59.0N LONG 139 59.8W WEATHER 1 SEA STATE 2
BAROMETER 11 WIND DIR 145 T SPD 08 KT VISIBILITY 8
CLOUD 4 AMOUNT 2 DRY 25.2 WET 22.9 DEPTH 4450 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.817	34.880	4.57	22.688	0.000
10	26.822	34.880	4.69	22.686	0.052
20	26.784	34.880	4.65	22.698	0.103
30	26.696	34.880	4.62	22.726	0.155
40	26.521	34.889	4.64	22.788	0.206
50	26.415	34.897	4.57	22.828	0.256
60	26.394	34.900	4.54	22.836	0.307
70	26.384	34.902	4.48	22.841	0.357
80	26.360	34.908	4.59	22.853	0.407
90	25.730	34.955	4.46	23.085	0.457
100	25.424	34.967	4.44	23.189	0.505
110	24.016	34.907	4.21	23.568	0.550
120	17.740	34.752	2.59	25.147	0.586
130	16.022	34.686	2.55	25.502	0.613
140	15.381	34.656	2.22	25.623	0.638
150	13.985	34.631	1.77	25.906	0.660
160	13.028	34.623	1.27	26.096	0.681
170	12.172	34.634	0.98	26.272	0.699
180	11.612	34.625	1.17	26.371	0.717
190	11.254	34.629	1.36	26.441	0.733
200	10.827	34.635	1.18	26.523	0.749
250	9.920	34.651	1.54	26.694	0.822
300	9.437	34.660	1.50	26.781	0.890
350	9.061	34.650	1.45	26.835	0.955
400	8.739	34.641	1.25	26.879	1.018
450	8.414	34.630	1.05	26.921	1.079
500	7.960	34.616	0.61	26.978	1.139
550	7.511	34.598	0.50	27.030	1.196
600	7.059	34.583	0.64	27.082	1.250
650	6.425	34.563	0.76	27.152	1.302
700	6.116	34.557	0.85	27.188	1.352
750	5.629	34.550	0.99	27.243	1.399
800	5.302	34.553	1.13	27.285	1.444
900	4.803	34.556	1.29	27.346	1.529
1000	4.400	34.562	1.60	27.395	1.610
1500	3.034	34.605	1.78	27.567	1.959
2000	2.163	34.640	2.25	27.670	2.246
2500	1.732	34.663	2.61	27.722	2.493
3000	1.530	34.673	2.84	27.745	2.730
3500	1.261	34.685	3.28	27.774	2.958
4000	1.102	34.693	3.69	27.792	3.176
4497	1.032	34.696	3.84	27.799	3.393

CAST EP1-88-OC -030 DATE 27 MAY 88 TIME 2147 GMT

LAT 05 59.8N LONG 139 59.2W



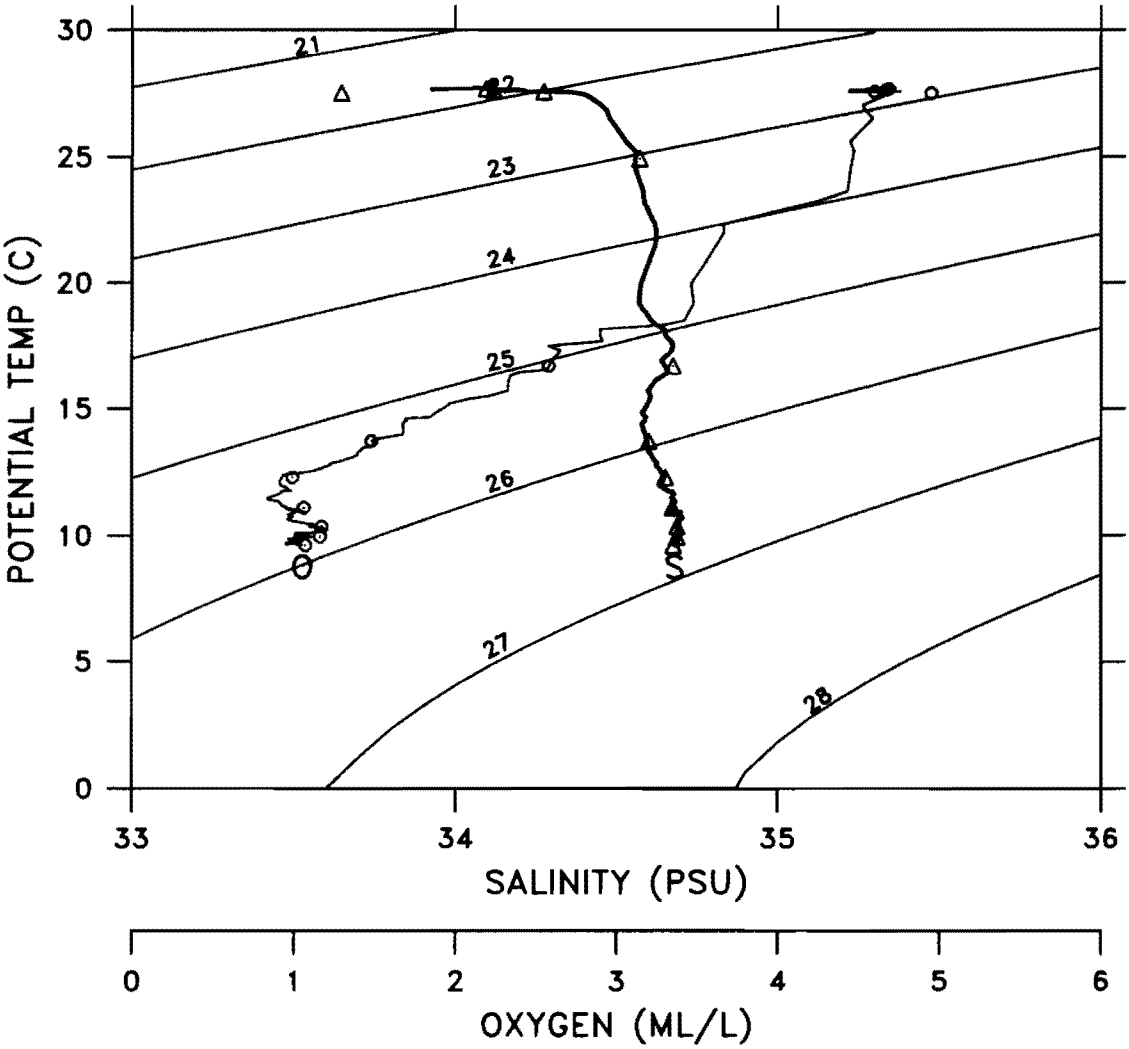


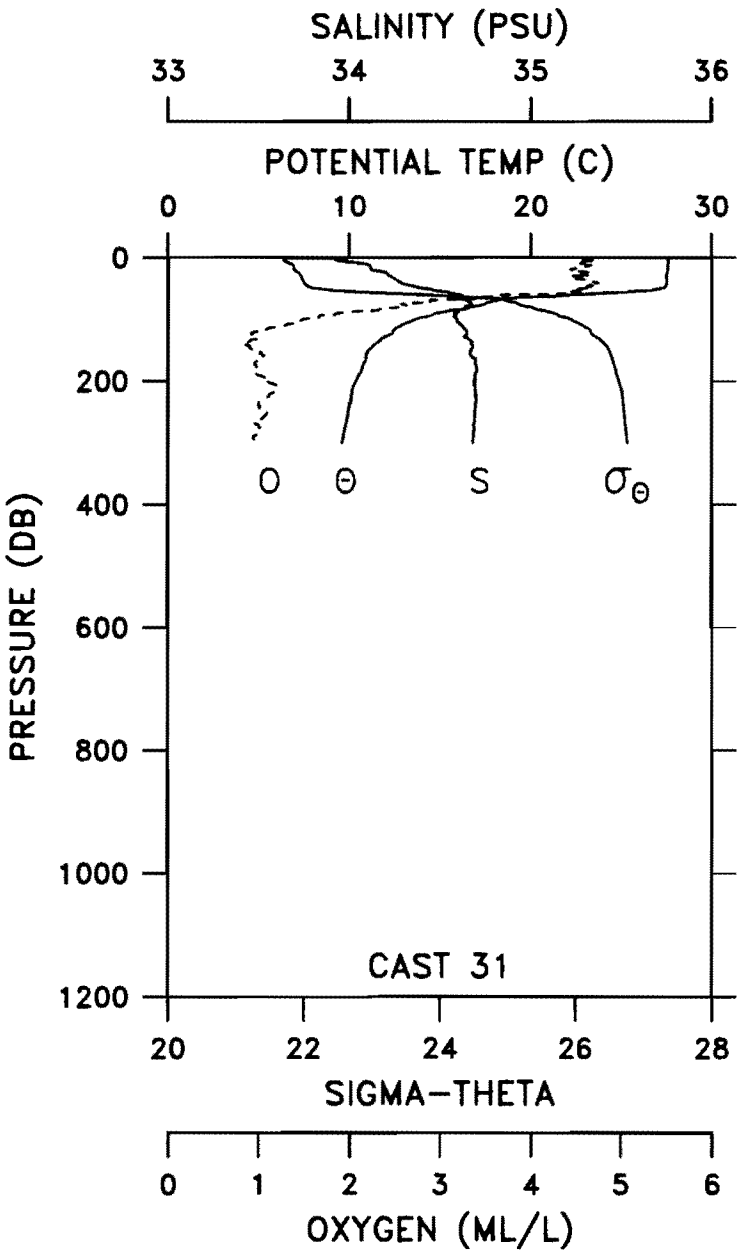
CAST EP1-88-OC -030 DATE 27 MAY 88 TIME 2147 GMT
LAT 05 59.8N LONG 139 59.2W WEATHER 2 SEA STATE 2
BAROMETER 12 WIND DIR 180 T SPD 04 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 27.8 WET 24.1 DEPTH 4813 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	28.056	34.394	4.04	21.922	0.000
10	27.831	34.452	4.75	22.040	0.058
20	27.766	34.468	4.60	22.073	0.116
30	27.773	34.491	4.51	22.087	0.173
40	27.463	34.604	4.63	22.273	0.230
50	26.936	34.748	4.54	22.550	0.284
60	26.764	34.800	4.56	22.644	0.337
70	26.601	34.815	4.52	22.707	0.389
80	26.036	34.853	4.48	22.913	0.439
90	25.424	34.784	4.15	23.050	0.489
100	22.319	34.703	3.47	23.904	0.534
110	16.698	34.670	2.64	25.333	0.566
120	15.464	34.635	2.25	25.589	0.591
130	13.995	34.626	1.99	25.900	0.614
140	12.955	34.619	1.68	26.107	0.634
150	12.108	34.686	0.34	26.325	0.652
160	11.811	34.701	0.56	26.393	0.669
170	11.429	34.713	0.63	26.474	0.686
180	11.162	34.723	0.58	26.531	0.701
190	10.978	34.721	0.61	26.563	0.717
200	10.756	34.709	0.67	26.593	0.731
250	10.149	34.699	0.71	26.692	0.803
300	9.608	34.682	0.69	26.770	0.871
350	9.283	34.665	1.13	26.811	0.937
400	8.984	34.654	0.95	26.850	1.001
450	8.671	34.642	0.59	26.890	1.064
500	8.231	34.621	0.33	26.942	1.125
550	7.614	34.595	0.35	27.013	1.184
600	7.085	34.578	0.40	27.075	1.239
650	6.601	34.563	0.47	27.129	1.292
700	6.076	34.554	0.62	27.191	1.342
750	5.649	34.551	0.87	27.242	1.389
800	5.321	34.552	0.99	27.283	1.434
900	4.863	34.557	1.13	27.340	1.520
1000	4.482	34.563	1.26	27.387	1.601
1001	4.476	34.562	1.26	27.387	1.602

CAST EP1-88-OC -031 DATE 28 MAY 88 TIME 1201 GMT

LAT 06 58.7N LONG 140 00.1W



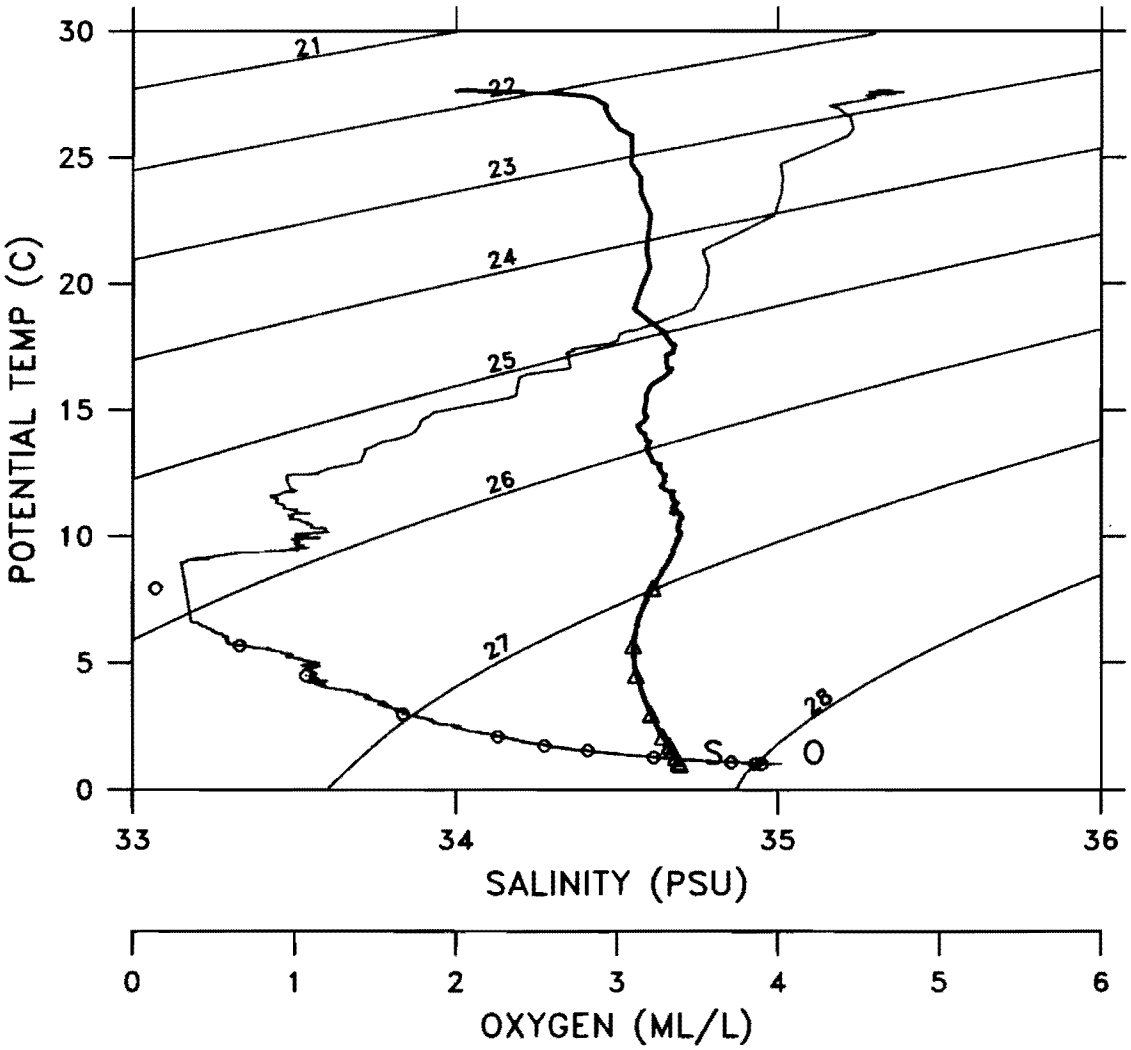


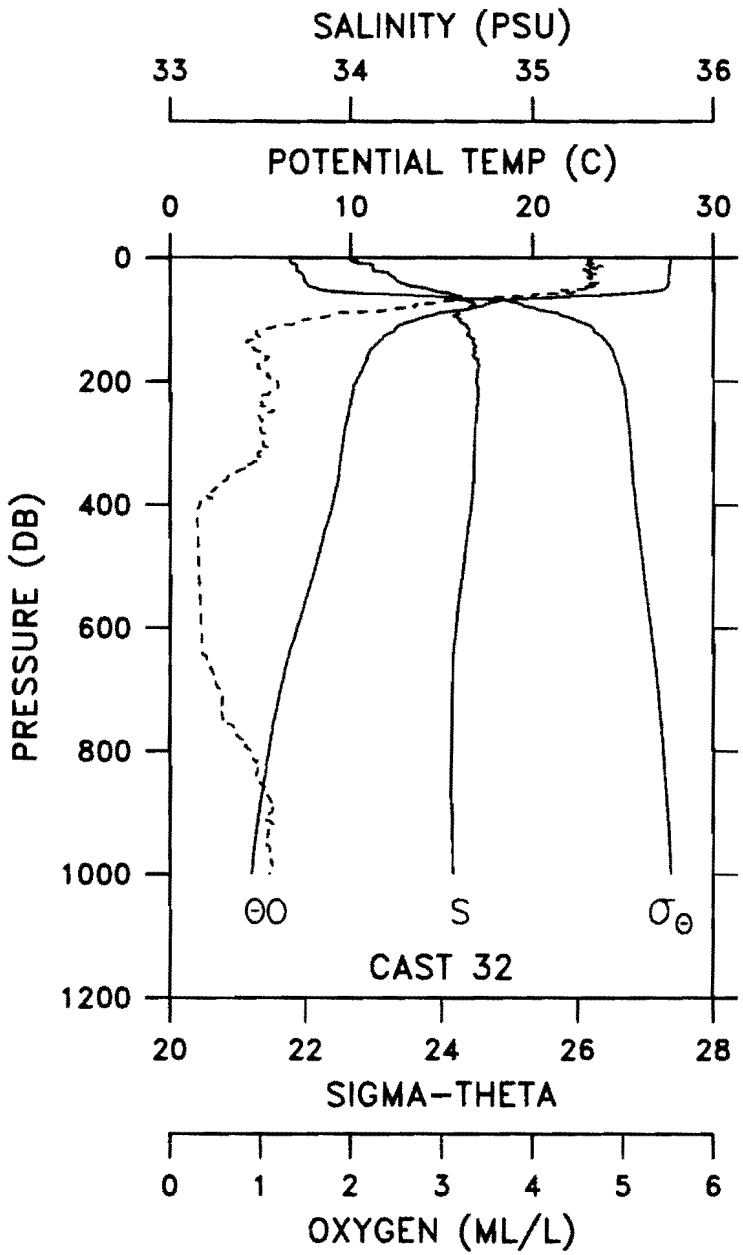
CAST EP1-88-OC -031 DATE 28 MAY 88 TIME 1201 GMT
LAT 06 58.7N LONG 140 00.1W WEATHER 2 SEA STATE 2
BAROMETER 12 WIND DIR 010 T SPD 02 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 24.5 WET 24.0 DEPTH 4998 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.631	33.939	4.70	21.719	0.000
10	27.645	34.099	4.55	21.834	0.061
20	27.598	34.128	4.55	21.872	0.120
30	27.523	34.233	4.44	21.975	0.179
40	27.535	34.287	4.74	22.012	0.237
50	27.215	34.428	4.60	22.220	0.295
60	22.355	34.618	3.67	23.830	0.345
70	18.084	34.652	2.90	24.985	0.379
80	16.553	34.657	2.57	25.357	0.407
90	14.829	34.579	1.87	25.685	0.432
100	13.677	34.593	1.49	25.941	0.454
110	12.890	34.625	1.27	26.125	0.474
120	12.427	34.649	0.97	26.235	0.493
130	11.855	34.646	0.96	26.342	0.511
140	11.421	34.673	0.84	26.444	0.527
150	11.083	34.670	0.95	26.504	0.543
160	10.919	34.678	1.06	26.540	0.558
170	10.847	34.695	0.98	26.566	0.573
180	10.708	34.703	0.98	26.597	0.588
190	10.555	34.695	1.02	26.618	0.603
200	10.365	34.690	1.09	26.647	0.617
250	9.951	34.691	1.08	26.720	0.687
300	9.620	34.680	1.05	26.767	0.755
300	9.620	34.680	1.05	26.767	0.755

CAST EP1-88-OC -032 DATE 28 MAY 88 TIME 1508 GMT

LAT 06 58.7N LONG 140 00.9W



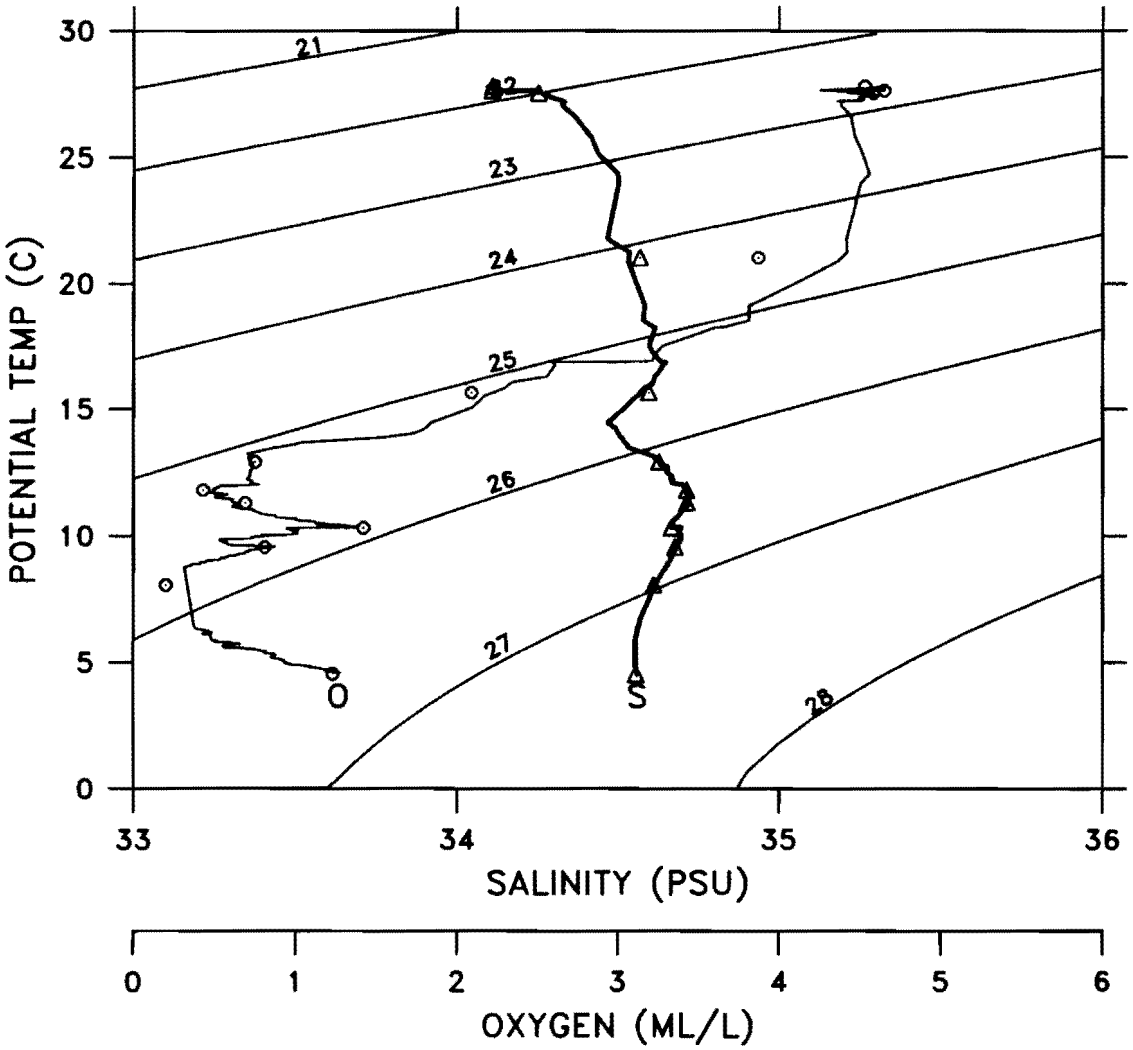


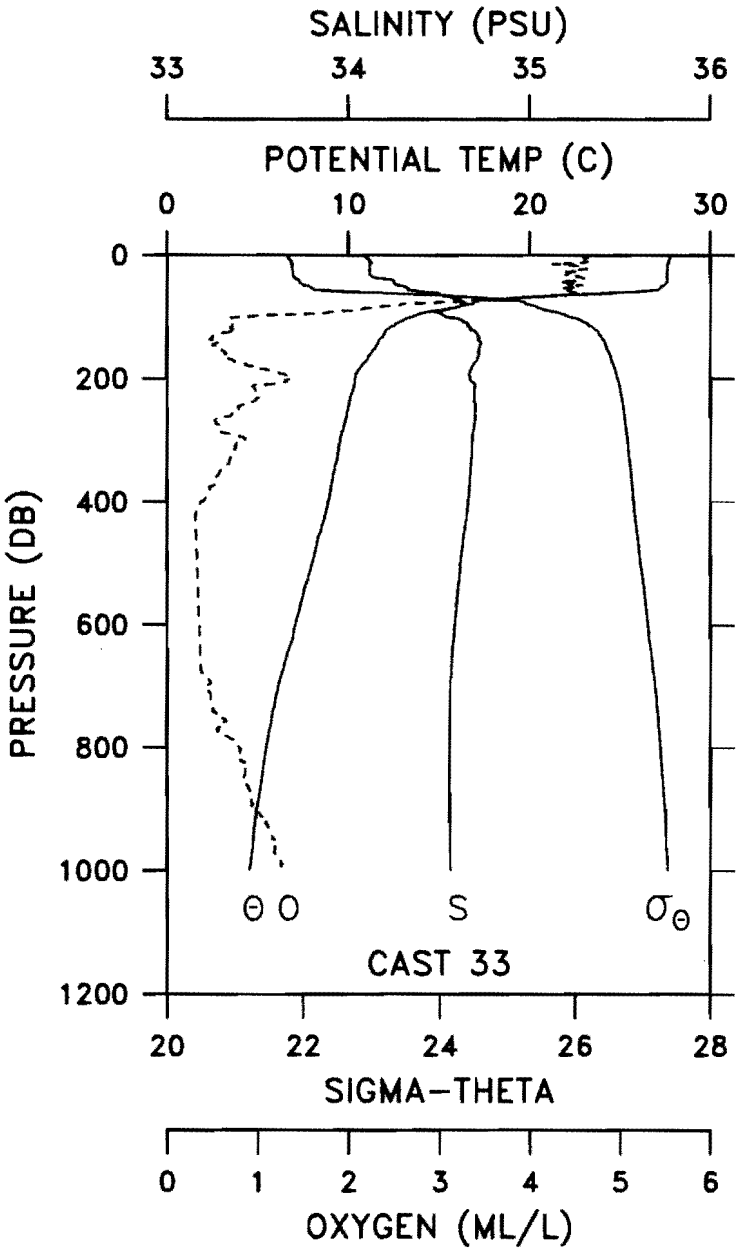
CAST EP1-88-OC -032 DATE 28 MAY 88 TIME 1508 GMT
LAT 06 58.7N LONG 140 00.9W WEATHER 2 SEA STATE 2
BAROMETER 12 WIND DIR 070 T SPD 01 KT VISIBILITY 7
CLOUD 9 AMOUNT 6 DRY 25.1 WET 24.1 DEPTH 4991 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.628	33.999	4.65	21.765	0.000
10	27.618	34.085	4.65	21.833	0.060
20	27.590	34.123	4.57	21.871	0.120
30	27.523	34.228	4.67	21.970	0.179
40	27.526	34.274	4.70	22.005	0.237
50	27.353	34.424	4.60	22.173	0.295
60	24.188	34.574	4.03	23.265	0.348
70	18.104	34.644	3.06	24.975	0.385
80	16.657	34.655	2.71	25.331	0.413
90	14.735	34.593	1.83	25.717	0.438
100	13.640	34.598	1.51	25.952	0.460
110	12.623	34.632	1.19	26.183	0.480
120	12.369	34.648	0.95	26.245	0.498
130	11.761	34.662	0.98	26.372	0.515
140	11.421	34.672	0.89	26.444	0.532
150	11.083	34.678	0.96	26.510	0.547
160	10.904	34.675	1.09	26.540	0.563
170	10.822	34.695	0.96	26.570	0.578
180	10.641	34.696	1.03	26.604	0.593
190	10.476	34.692	1.08	26.629	0.607
200	10.315	34.690	1.20	26.656	0.622
250	9.912	34.692	1.10	26.727	0.691
300	9.571	34.678	1.03	26.773	0.758
350	9.351	34.674	0.67	26.806	0.824
400	8.997	34.660	0.33	26.853	0.888
450	8.512	34.638	0.31	26.912	0.951
500	8.064	34.618	0.32	26.964	1.011
550	7.551	34.594	0.33	27.021	1.068
600	7.043	34.577	0.35	27.080	1.123
650	6.525	34.561	0.41	27.138	1.176
700	6.123	34.557	0.55	27.187	1.225
750	5.752	34.553	0.59	27.231	1.273
800	5.448	34.552	0.90	27.267	1.319
900	4.928	34.555	1.12	27.330	1.406
1000	4.508	34.561	1.10	27.383	1.488
1500	2.932	34.608	1.70	27.578	1.833
2000	2.064	34.644	2.30	27.681	2.110
2500	1.706	34.665	2.59	27.726	2.354
3000	1.521	34.674	2.82	27.747	2.590
3500	1.270	34.685	3.25	27.774	2.818
4000	1.074	34.694	3.75	27.794	3.035
4500	1.021	34.697	3.91	27.800	3.251
5000	1.005	34.697	4.00	27.802	3.475
5043	1.004	34.697	4.02	27.802	3.495

CAST EP1-88-OC -033 DATE 28 MAY 88 TIME 2149 GMT

LAT 08 00.0N LONG 140 00.3W



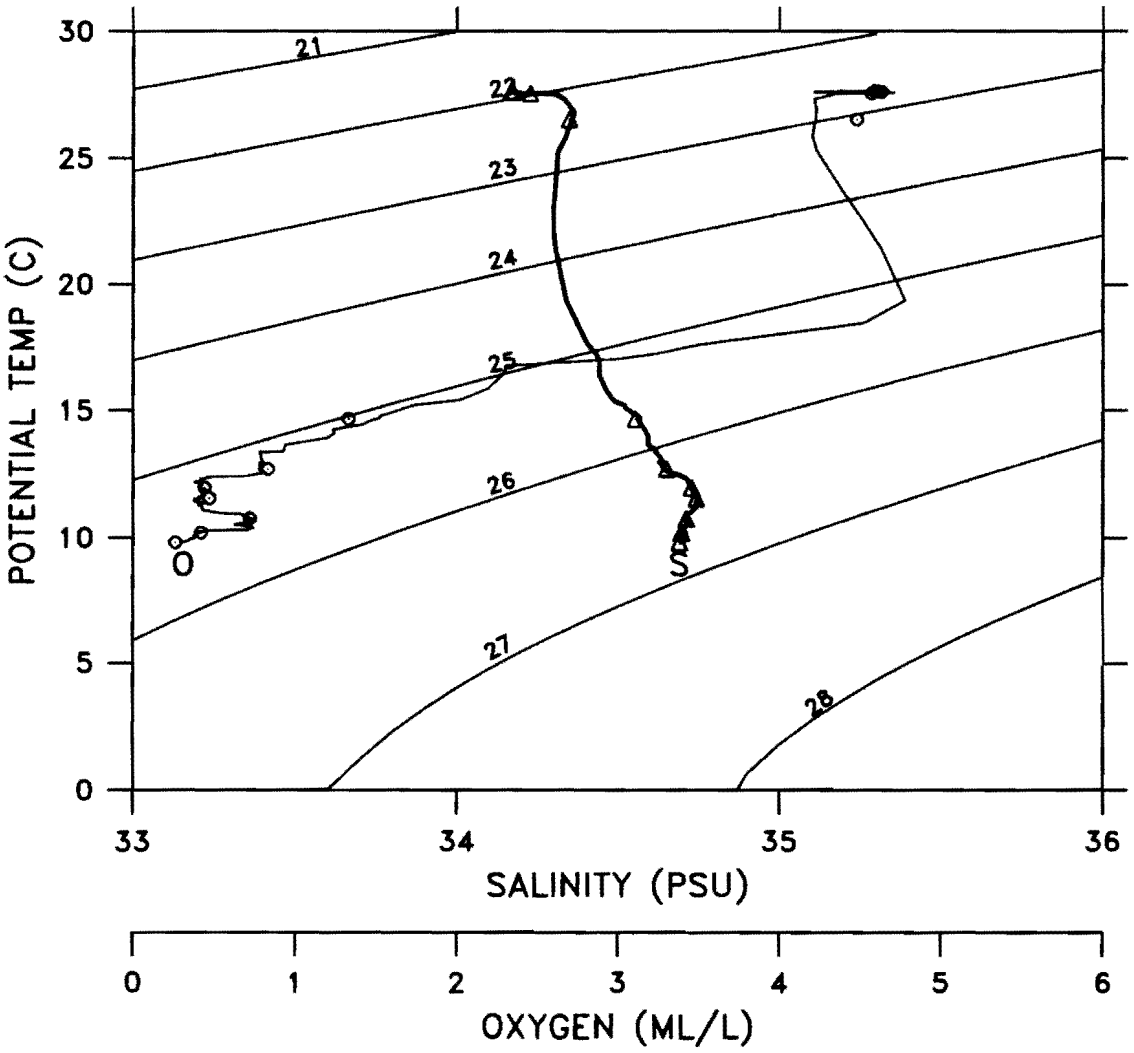


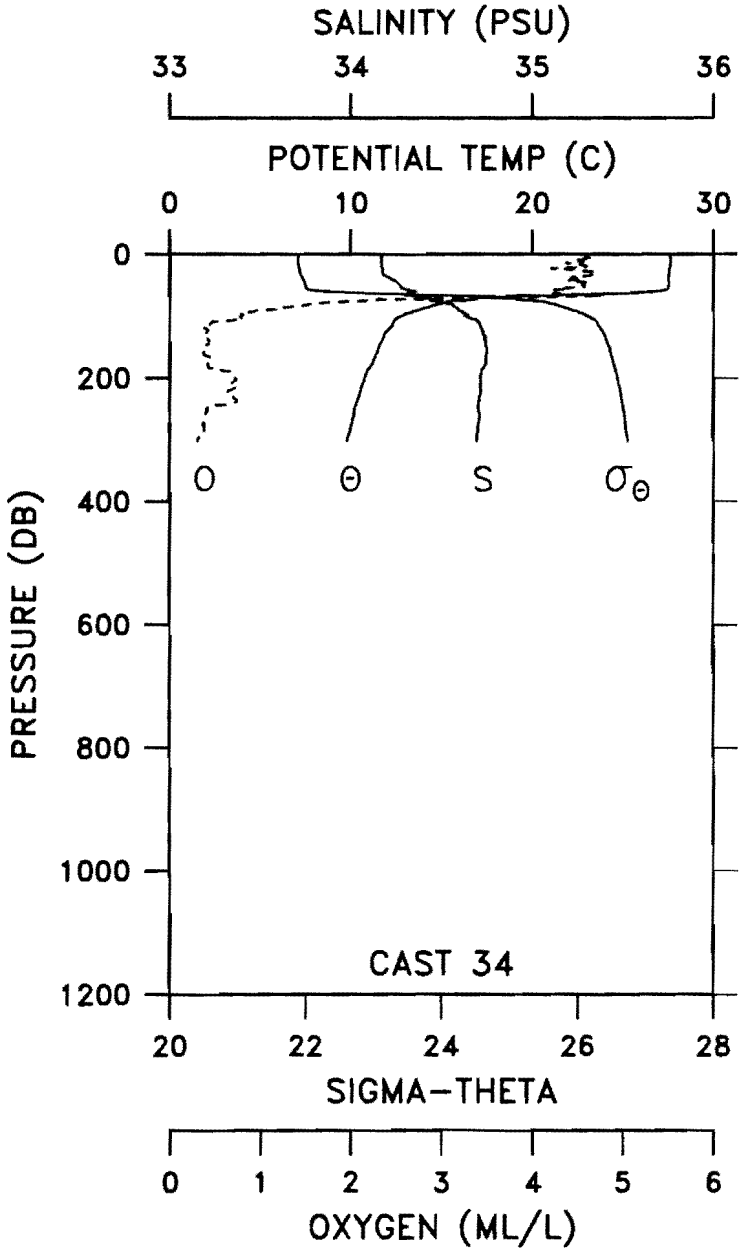
CAST EP1-88-OC -033 DATE 28 MAY 88 TIME 2149 GMT
LAT 08 00.0N LONG 140 00.3W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 190 T SPD 10 KT VISIBILITY 8
CLOUD 6 AMOUNT 5 DRY 28.0 WET 25.3 DEPTH 5183 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.794	34.095	4.65	21.784	0.000
10	27.686	34.119	4.65	21.836	0.060
20	27.640	34.117	4.57	21.849	0.120
30	27.625	34.117	4.44	21.854	0.179
40	27.640	34.245	4.53	21.946	0.239
50	27.314	34.305	4.51	22.096	0.297
60	25.162	34.436	4.51	22.868	0.353
70	18.539	34.577	3.81	24.816	0.393
80	16.453	34.626	2.57	25.357	0.421
90	14.763	34.495	1.97	25.635	0.446
100	13.501	34.530	0.88	25.928	0.468
110	12.603	34.653	0.73	26.203	0.487
120	12.096	34.667	0.73	26.313	0.505
130	11.920	34.711	0.52	26.380	0.522
140	11.654	34.726	0.58	26.442	0.539
150	11.458	34.717	0.61	26.472	0.555
160	11.231	34.720	0.66	26.516	0.570
170	11.036	34.706	0.74	26.540	0.586
180	10.695	34.679	1.00	26.581	0.601
190	10.443	34.663	1.24	26.613	0.616
200	10.349	34.666	1.36	26.632	0.630
250	9.975	34.697	0.76	26.720	0.700
300	9.565	34.680	0.84	26.776	0.768
350	9.218	34.669	0.59	26.824	0.833
400	8.888	34.656	0.38	26.867	0.897
450	8.459	34.633	0.32	26.916	0.959
500	8.022	34.612	0.33	26.966	1.018
550	7.533	34.598	0.34	27.027	1.076
600	7.092	34.582	0.36	27.077	1.130
650	6.621	34.569	0.37	27.131	1.183
700	6.135	34.559	0.42	27.187	1.233
750	5.770	34.554	0.60	27.229	1.281
800	5.465	34.554	0.80	27.267	1.327
900	4.926	34.553	0.96	27.330	1.414
1000	4.540	34.560	1.27	27.378	1.497
1002	4.535	34.560	1.26	27.379	1.498

CAST EP1-88-OC -034 DATE 30 MAY 88 TIME 0853 GMT

LAT 08 59.0N LONG 140 10.0W



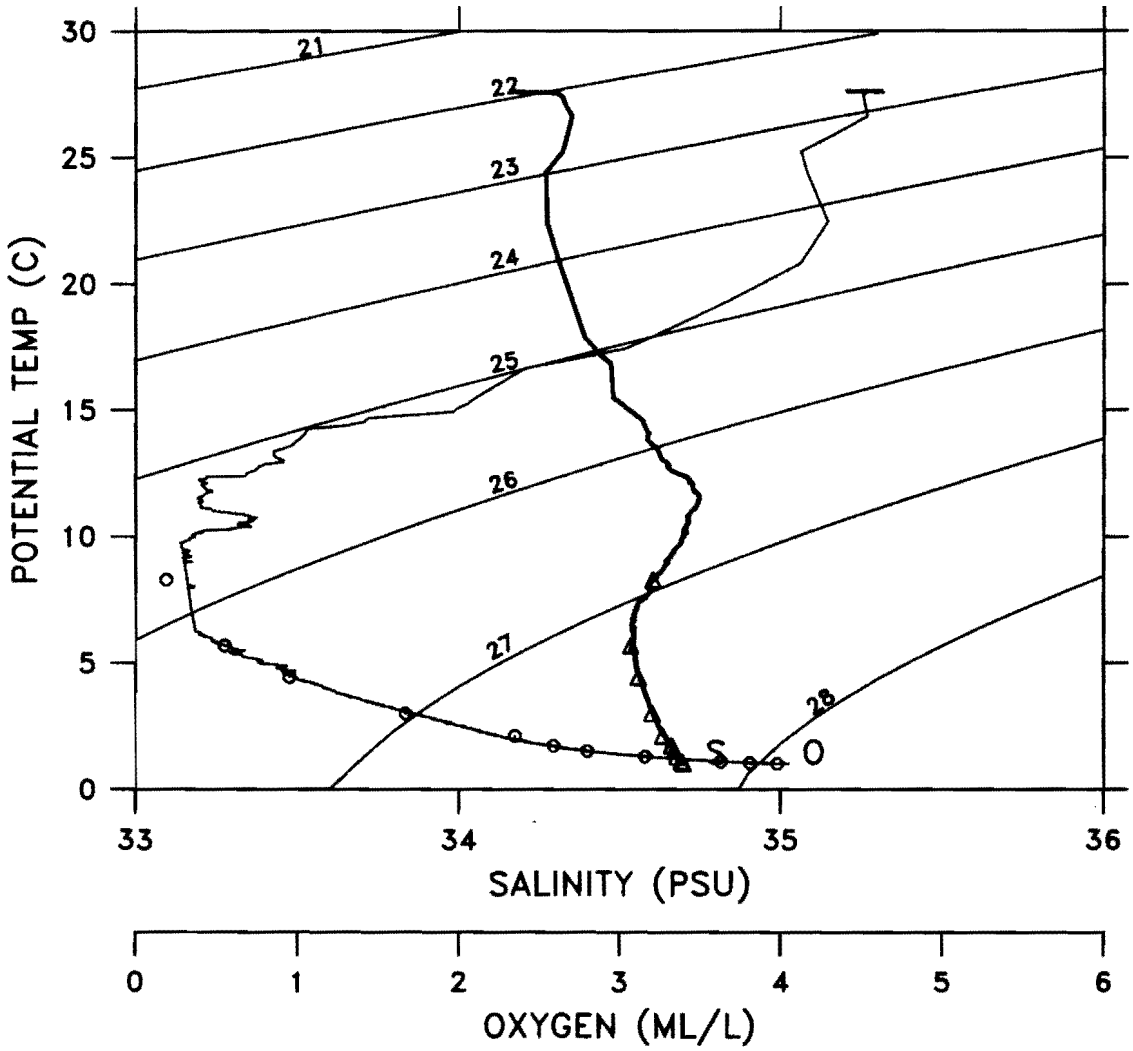


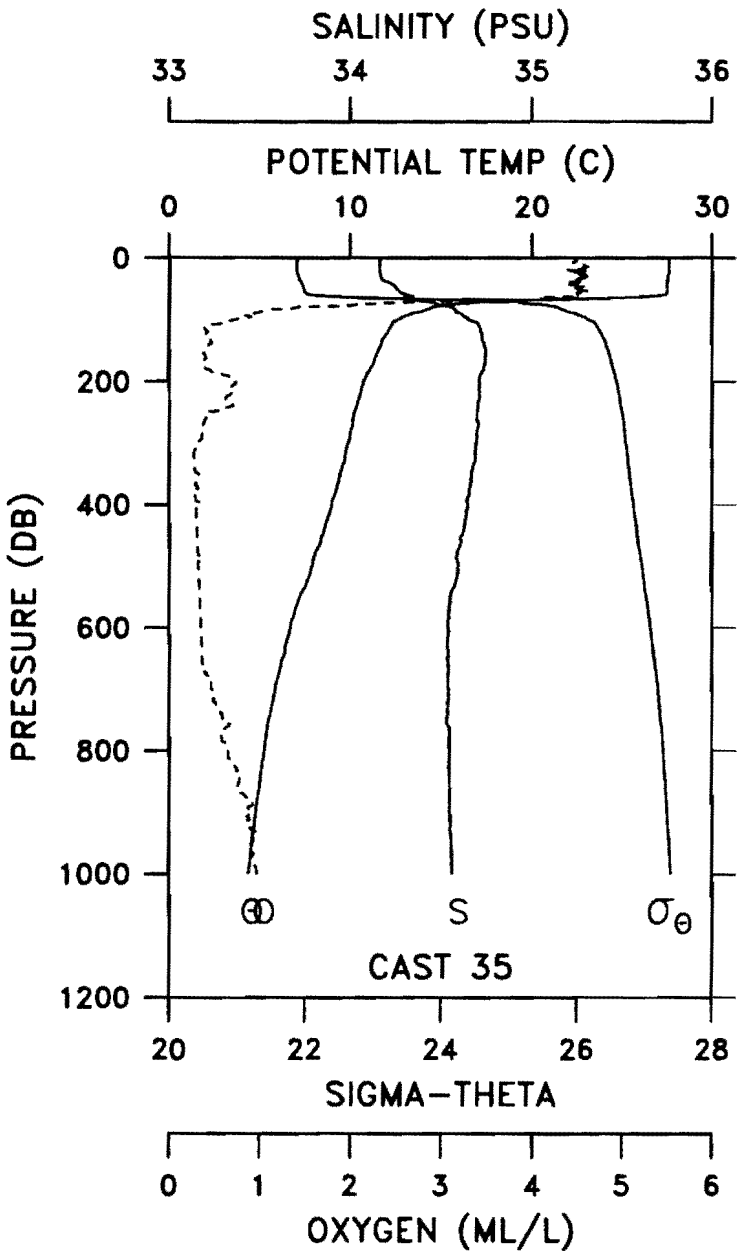
CAST EP1-88-OC -034 DATE 30 MAY 88 TIME 0853 GMT
LAT 08 59.0N LONG 140 10.0W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 030 T SPD 18 KT VISIBILITY 8
CLOUD 8 AMOUNT 4 DRY 27.0 WET 25.0 DEPTH 5109 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.632	34.170	4.59	21.893	0.000
10	27.636	34.172	4.46	21.892	0.059
20	27.622	34.173	4.60	21.897	0.118
30	27.571	34.178	4.71	21.918	0.177
40	27.545	34.225	4.55	21.962	0.236
50	27.544	34.275	4.58	21.999	0.295
60	26.799	34.364	4.23	22.305	0.353
70	17.626	34.405	3.51	24.909	0.396
80	14.928	34.544	1.60	25.637	0.423
90	13.789	34.593	1.07	25.917	0.445
100	12.815	34.641	0.78	26.153	0.465
110	12.369	34.706	0.46	26.290	0.483
120	12.146	34.720	0.41	26.344	0.500
130	11.884	34.730	0.45	26.402	0.517
140	11.756	34.742	0.43	26.435	0.533
150	11.567	34.747	0.42	26.475	0.549
160	11.441	34.749	0.37	26.499	0.565
170	11.307	34.743	0.40	26.520	0.580
180	11.153	34.739	0.42	26.545	0.596
190	10.921	34.719	0.67	26.571	0.611
200	10.764	34.714	0.72	26.595	0.626
250	10.220	34.701	0.41	26.681	0.698
300	9.825	34.694	0.31	26.743	0.767
302	9.814	34.695	0.31	26.746	0.770

CAST EP1-88-OC -035 DATE 30 MAY 88 TIME 1203 GMT

LAT 08 59.9N LONG 140 08.7W



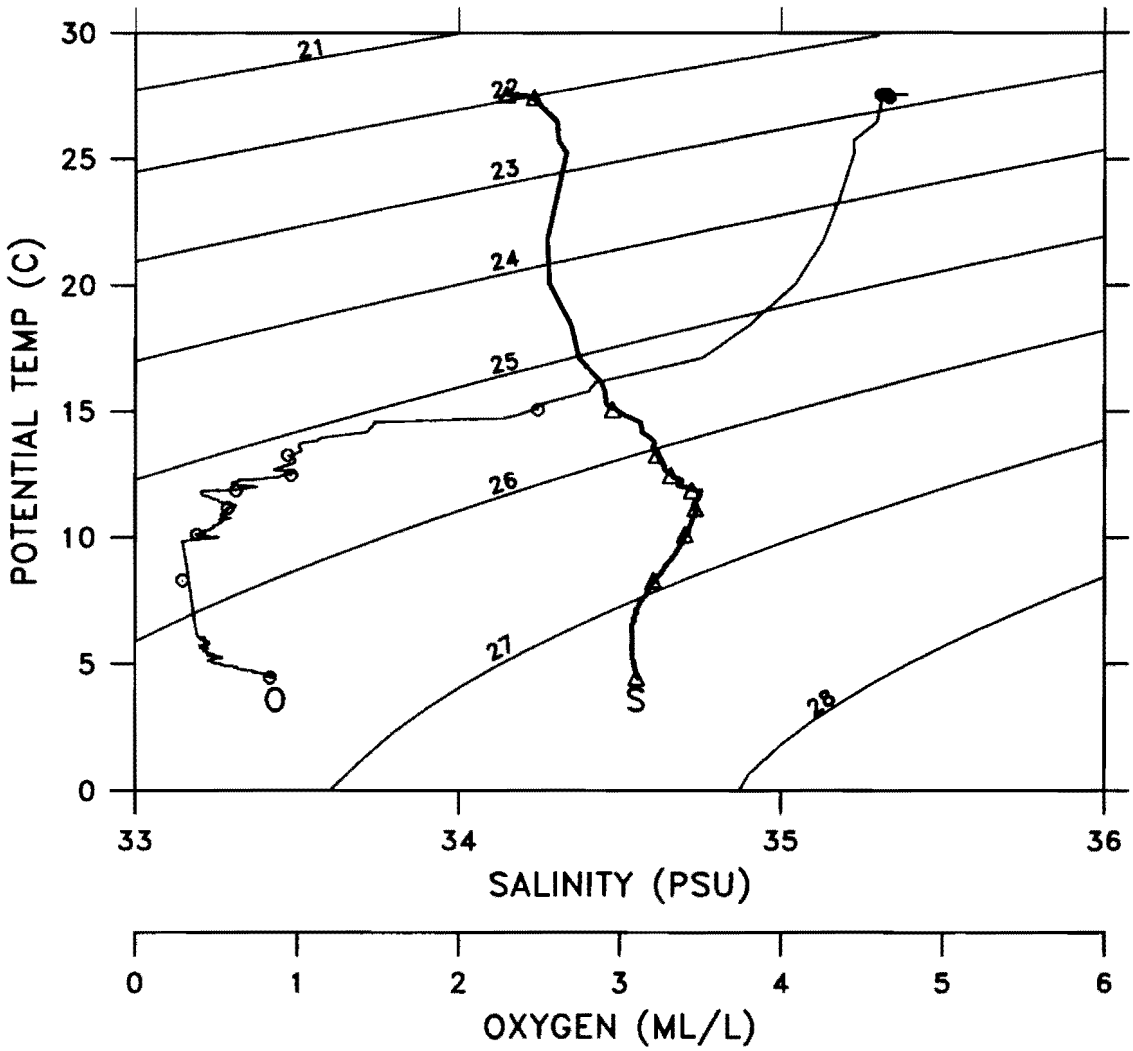


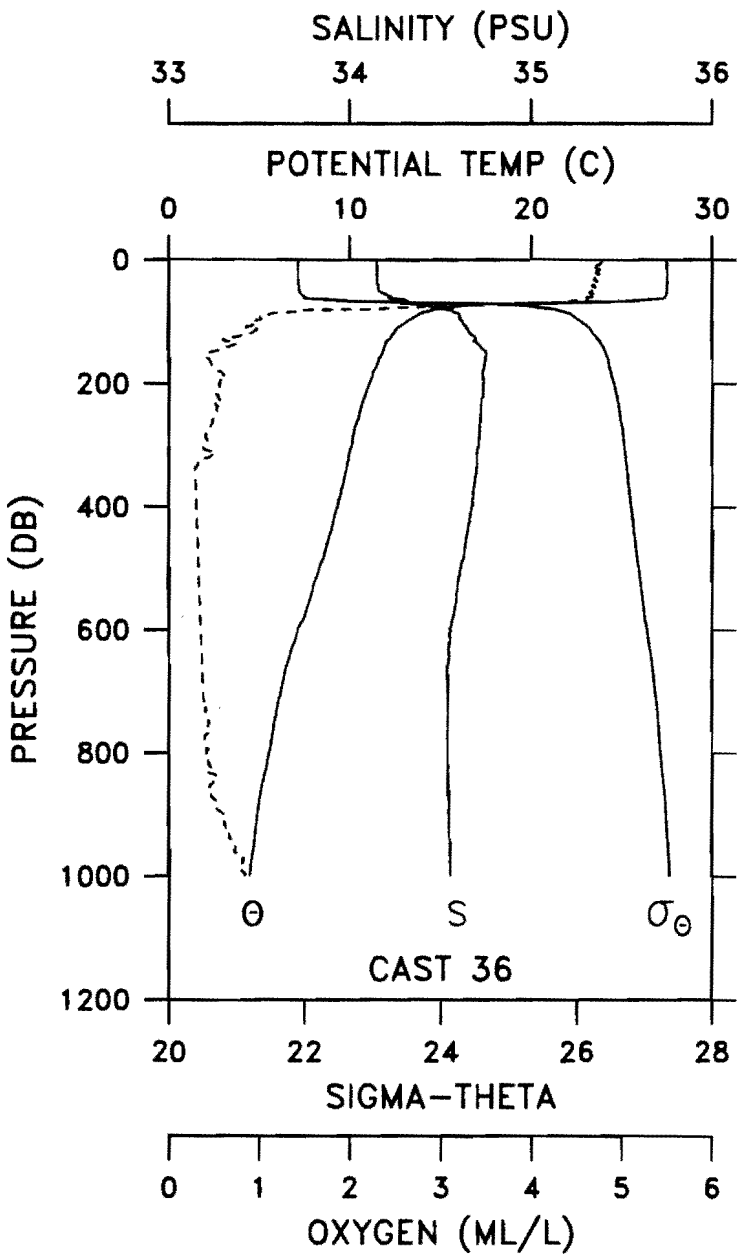
CAST EP1-88-OC -035 DATE 30 MAY 88 TIME 1203 GMT
LAT 08 59.9N LONG 140 08.7W WEATHER 5 SEA STATE 4
BAROMETER 11 WIND DIR 020 T SPD 20 KT VISIBILITY 7
CLOUD 6 AMOUNT 8 DRY 27.0 WET 25.1 DEPTH 5140 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.643	34.168	4.50	21.887	0.000
10	27.644	34.167	4.55	21.886	0.059
20	27.642	34.167	4.42	21.886	0.118
30	27.580	34.171	4.63	21.910	0.178
40	27.546	34.220	4.46	21.958	0.237
50	27.544	34.262	4.49	21.990	0.295
60	27.353	34.322	4.51	22.097	0.353
70	17.435	34.423	3.03	24.969	0.399
80	14.585	34.570	1.42	25.731	0.425
90	13.466	34.612	0.90	25.999	0.447
100	12.635	34.655	0.74	26.199	0.466
110	12.290	34.713	0.43	26.311	0.484
120	12.108	34.724	0.44	26.355	0.501
130	11.847	34.729	0.43	26.408	0.518
140	11.737	34.738	0.44	26.436	0.534
150	11.566	34.748	0.40	26.476	0.550
160	11.429	34.744	0.40	26.498	0.566
170	11.294	34.742	0.40	26.522	0.581
180	11.114	34.736	0.42	26.549	0.597
190	10.898	34.717	0.62	26.574	0.612
200	10.748	34.710	0.73	26.596	0.627
250	10.244	34.699	0.43	26.675	0.699
300	9.882	34.694	0.33	26.733	0.768
350	9.439	34.668	0.33	26.787	0.836
400	9.002	34.650	0.31	26.844	0.901
450	8.453	34.613	0.31	26.901	0.964
500	7.909	34.595	0.33	26.970	1.024
550	7.225	34.554	0.34	27.036	1.081
600	6.700	34.542	0.36	27.099	1.135
650	6.284	34.540	0.37	27.153	1.186
700	5.885	34.546	0.49	27.208	1.235
750	5.536	34.536	0.63	27.244	1.281
800	5.296	34.549	0.66	27.283	1.326
900	4.819	34.553	0.92	27.342	1.412
1000	4.412	34.563	0.98	27.395	1.492
1500	3.011	34.603	1.70	27.567	1.837
2000	2.099	34.639	2.23	27.675	2.121
2500	1.709	34.663	2.59	27.724	2.367
3000	1.503	34.674	2.79	27.748	2.602
3500	1.288	34.683	3.16	27.771	2.829
4000	1.090	34.692	3.66	27.792	3.049
4500	1.031	34.697	3.88	27.800	3.266
5000	1.007	34.698	4.00	27.803	3.490
5141	1.006	34.698	4.00	27.802	3.554

CAST EP1-88-OC -036 DATE 31 MAY 88 TIME 0618 GMT

LAT 10 00.1N LONG 140 00.0W



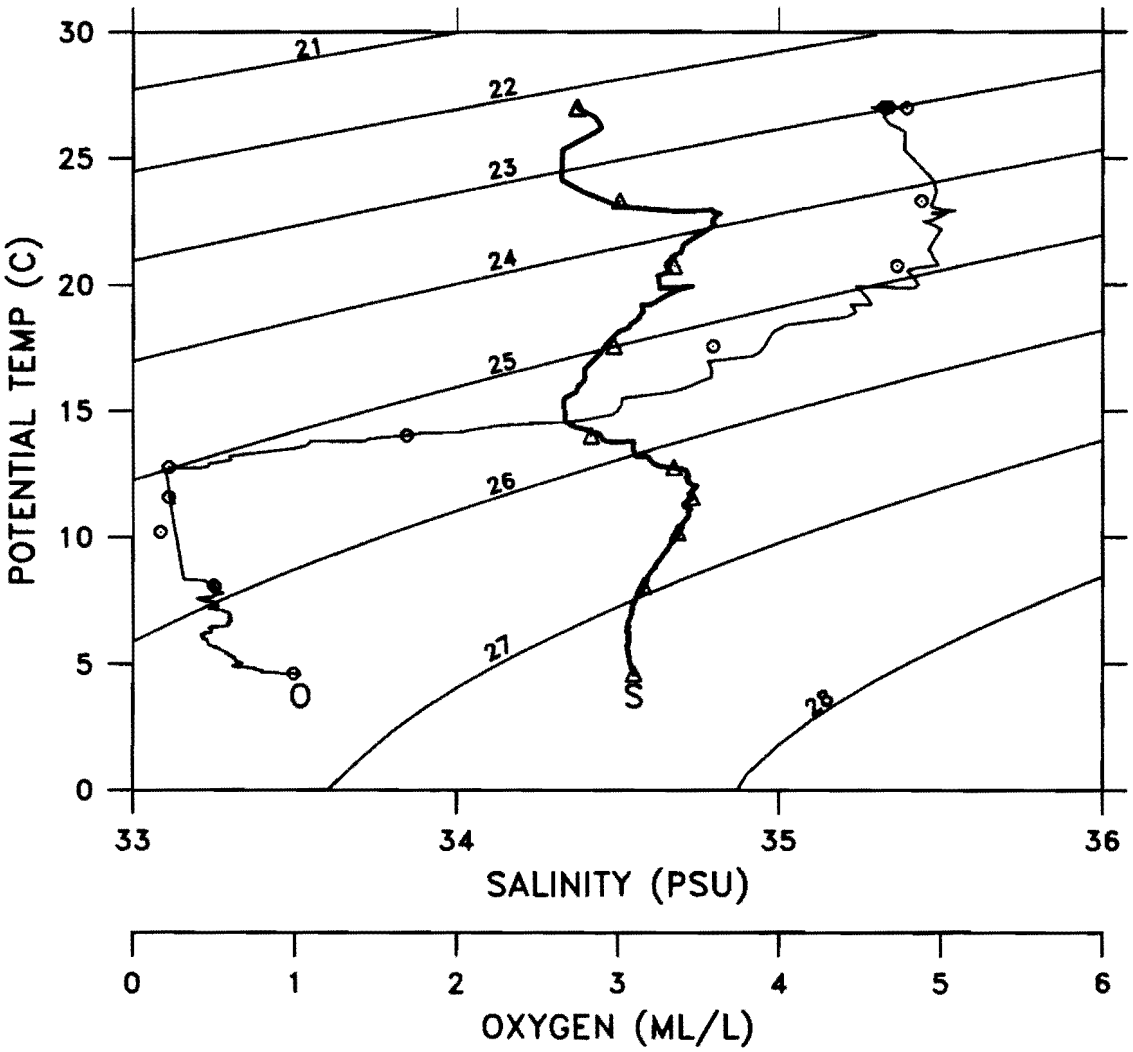


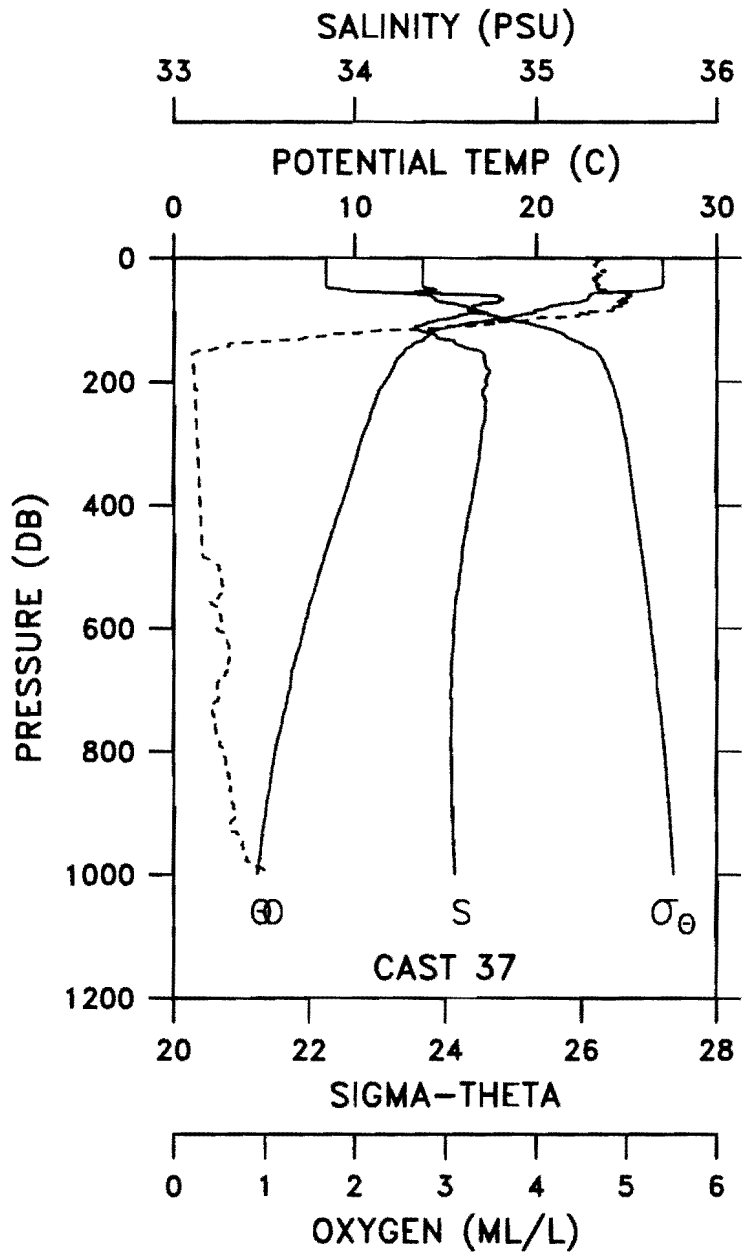
CAST EP1-88-OC -036 DATE 31 MAY 88 TIME 0618 GMT
LAT 10 00.1N LONG 140 00.0W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 035 T SPD 17 KT VISIBILITY 8
CLOUD 8 AMOUNT 6 DRY 26.6 WET 25.2 DEPTH 4905 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.528	34.149	4.77	21.910	0.000
10	27.527	34.150	4.73	21.911	0.059
20	27.528	34.151	4.74	21.911	0.118
30	27.528	34.151	4.71	21.912	0.177
40	27.521	34.155	4.72	21.917	0.236
50	27.511	34.160	4.68	21.924	0.295
60	27.424	34.221	4.65	21.998	0.354
70	20.069	34.280	4.09	24.196	0.406
80	14.736	34.536	2.28	25.673	0.434
90	13.731	34.608	1.02	25.941	0.455
100	13.149	34.619	0.97	26.069	0.476
110	12.621	34.645	0.97	26.194	0.495
120	12.405	34.663	0.89	26.250	0.513
130	12.081	34.682	0.61	26.327	0.530
140	11.916	34.715	0.68	26.384	0.547
150	11.821	34.749	0.41	26.429	0.564
160	11.625	34.748	0.44	26.465	0.580
170	11.506	34.741	0.48	26.481	0.596
180	11.346	34.733	0.55	26.505	0.611
190	11.219	34.731	0.62	26.527	0.627
200	11.100	34.736	0.56	26.552	0.642
250	10.542	34.722	0.52	26.641	0.716
300	10.128	34.709	0.38	26.703	0.787
350	9.739	34.692	0.29	26.756	0.856
400	9.325	34.670	0.30	26.808	0.923
450	8.859	34.641	0.32	26.860	0.988
500	8.331	34.609	0.33	26.917	1.050
550	7.811	34.585	0.34	26.977	1.110
600	7.131	34.552	0.35	27.048	1.167
650	6.610	34.541	0.37	27.110	1.221
700	6.206	34.539	0.38	27.162	1.272
750	5.847	34.540	0.45	27.208	1.321
800	5.543	34.538	0.42	27.245	1.368
900	4.894	34.545	0.61	27.327	1.456
1000	4.467	34.553	0.84	27.381	1.538
1008	4.429	34.555	0.86	27.386	1.545

CAST EP1-88-OC -037 DATE 31 MAY 88 TIME 1129 GMT

LAT 11 00.2N LONG 140 00.3W



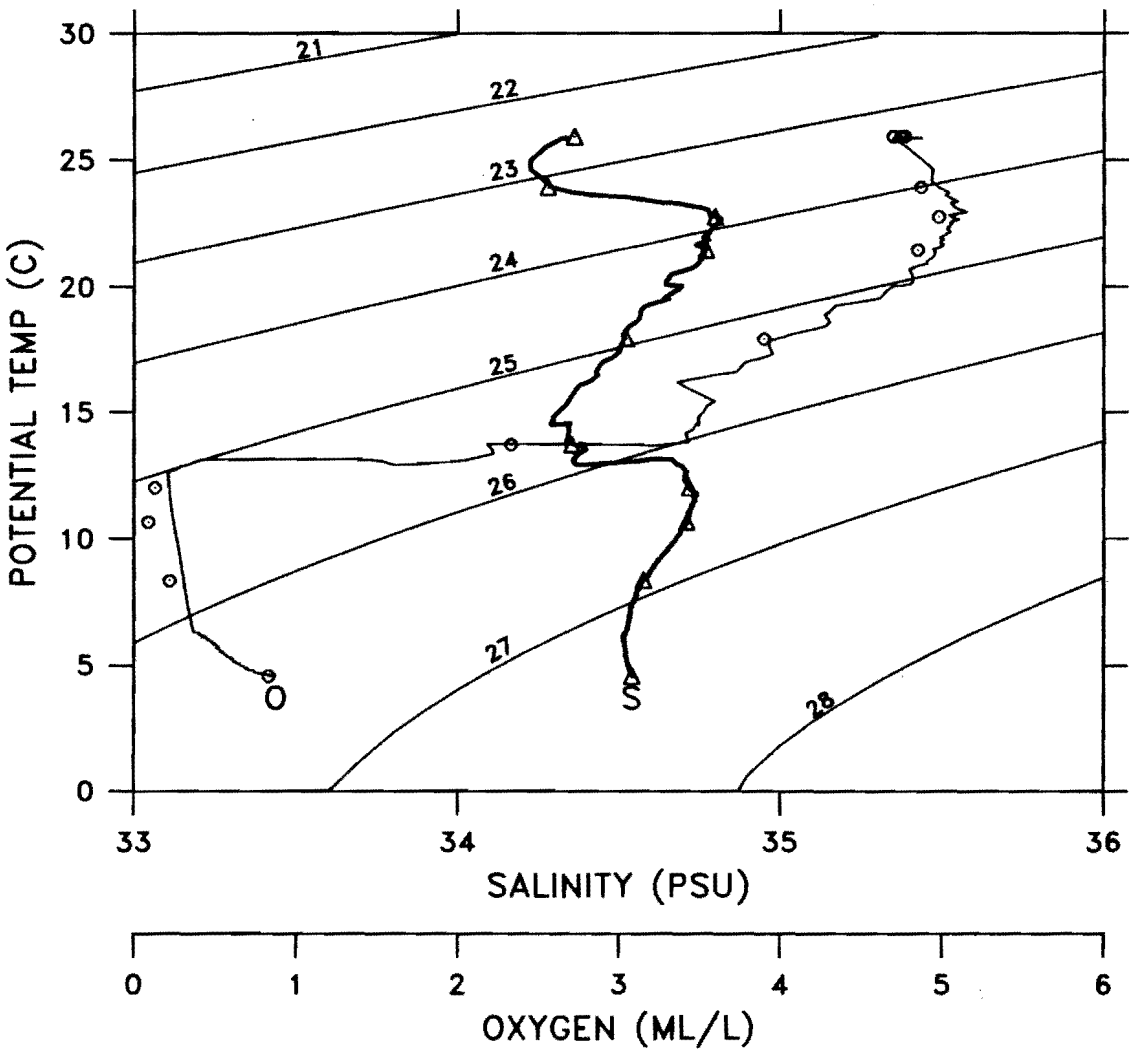


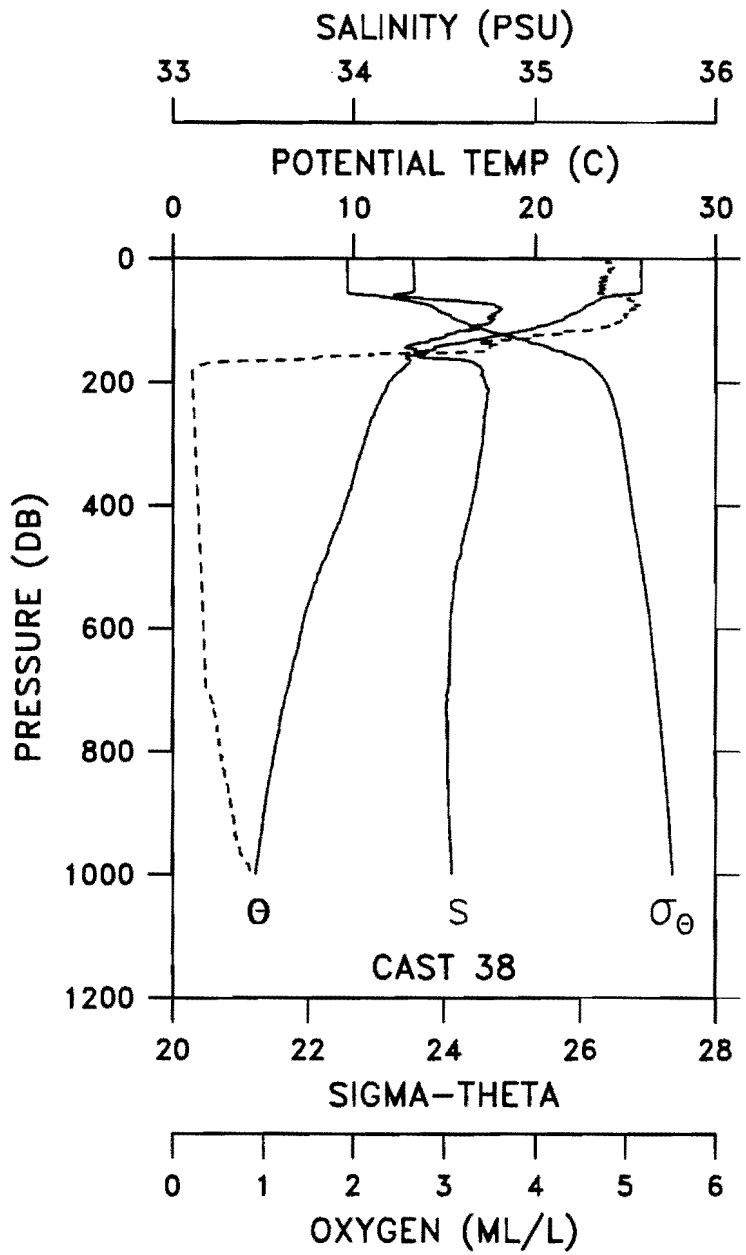
CAST EP1-88-OC -037 DATE 31 MAY 88 TIME 1129 GMT
LAT 11 00.2N LONG 140 00.3W WEATHER 2 SEA STATE 3
BAROMETER 11 WIND DIR 035 T SPD 18 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 25.4 WET 23.8 DEPTH 4813 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.002	34.376	4.74	22.249	0.000
10	27.006	34.375	4.65	22.247	0.056
20	27.006	34.375	4.76	22.247	0.112
30	27.010	34.375	4.66	22.246	0.167
40	27.009	34.375	4.72	22.246	0.223
50	26.372	34.443	4.68	22.499	0.279
60	22.921	34.736	5.03	23.758	0.327
70	22.506	34.792	4.89	23.919	0.368
80	20.596	34.656	4.80	24.343	0.406
90	19.510	34.640	4.54	24.616	0.440
100	17.563	34.458	3.91	24.965	0.472
110	15.506	34.335	3.03	25.348	0.500
120	14.252	34.404	2.09	25.674	0.525
130	13.786	34.473	1.43	25.825	0.548
140	13.196	34.569	0.59	26.020	0.569
150	12.734	34.691	0.26	26.207	0.588
160	12.442	34.717	0.21	26.285	0.606
170	12.188	34.720	0.21	26.336	0.624
180	12.055	34.742	0.22	26.378	0.641
190	11.913	34.737	0.22	26.402	0.657
200	11.671	34.725	0.23	26.438	0.674
250	10.892	34.721	0.24	26.579	0.752
300	10.294	34.695	0.26	26.664	0.826
350	9.824	34.670	0.27	26.725	0.896
400	9.260	34.639	0.29	26.794	0.964
450	8.685	34.607	0.30	26.861	1.029
500	8.137	34.583	0.49	26.926	1.092
550	7.657	34.559	0.49	26.978	1.151
600	7.189	34.544	0.48	27.033	1.208
650	6.732	34.536	0.61	27.090	1.263
700	6.403	34.530	0.48	27.129	1.315
750	5.971	34.535	0.46	27.189	1.365
800	5.563	34.530	0.55	27.236	1.413
900	5.034	34.538	0.66	27.305	1.503
1000	4.573	34.552	1.03	27.368	1.587
1001	4.573	34.550	1.03	27.367	1.588

CAST EP1-88-OC -038 DATE 21 MAY 88 TIME 1646 GMT

LAT 12 00.2N LONG 140 00.5W





CAST EP1-88-OC -038 DATE 21 MAY 88 TIME 1646 GMT
LAT 12 00.2N LONG 140 00.5W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 050 T SPD 19 KT VISIBILITY 8
CLOUD 6 AMOUNT 5 DRY 25.0 WET 23.6 DEPTH 4955 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.853	34.330	4.80	22.575	0.000
10	25.856	34.331	4.88	22.576	0.053
20	25.853	34.334	4.81	22.578	0.105
30	25.854	34.335	4.80	22.579	0.158
40	25.863	34.336	4.75	22.577	0.211
50	25.864	34.338	4.72	22.578	0.264
60	24.199	34.268	4.93	23.030	0.316
70	23.319	34.636	5.07	23.567	0.361
80	22.682	34.816	5.08	23.887	0.403
90	21.948	34.761	4.99	24.052	0.443
100	21.387	34.765	4.96	24.210	0.481
110	20.085	34.644	4.81	24.469	0.517
120	18.753	34.565	4.29	24.753	0.551
130	17.017	34.449	3.78	25.088	0.582
140	15.008	34.314	3.53	25.442	0.609
150	13.808	34.338	3.43	25.716	0.634
160	12.911	34.379	1.61	25.930	0.656
170	13.053	34.671	0.38	26.128	0.675
180	12.655	34.711	0.22	26.238	0.694
190	12.244	34.715	0.21	26.321	0.712
200	11.944	34.724	0.22	26.386	0.729
250	11.167	34.724	0.23	26.531	0.810
300	10.584	34.710	0.25	26.624	0.885
350	10.056	34.682	0.26	26.695	0.957
400	9.522	34.649	0.28	26.759	1.027
450	8.870	34.609	0.29	26.833	1.094
500	8.197	34.568	0.31	26.905	1.157
550	7.627	34.549	0.32	26.975	1.217
600	7.137	34.538	0.34	27.036	1.274
650	6.723	34.530	0.35	27.087	1.329
700	6.322	34.522	0.37	27.134	1.382
750	5.921	34.518	0.48	27.182	1.432
800	5.615	34.521	0.53	27.223	1.480
900	5.027	34.528	0.65	27.298	1.571
1000	4.589	34.542	0.87	27.359	1.656
1005	4.579	34.542	0.87	27.360	1.660

CAST EP1-88-OC -001 LAT 00 00.1S LONG 169 35.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
4.	27.252	35.269	2.16	27.251	22.842
9.	27.251	35.268	2.31	27.249	22.842
19.	27.256	35.268	2.36	27.252	22.841
40.	27.125	35.264	2.44	27.116	22.882
59.	27.067	35.268	2.34	27.053	22.905
79.	26.623	35.388	2.03	26.605	23.138
99.	24.840	35.334	1.70	24.819	23.651
123.	21.094	35.138	1.56	21.070	24.581
150.	17.053	34.906	1.64	17.028	25.436
202.	14.498	35.048	1.59	14.468	26.125
250.	12.477	34.875	1.40	12.444	26.407
298.	10.902	34.773	0.61	10.865	26.623

CAST EP1-88-OC -002 LAT 00 00.6S LONG 169 33.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
499.	8.355	34.626	0.91	8.303	26.935
997.	4.533	34.555	0.96	4.453	27.384
1494.	3.006	34.604	1.08	2.899	27.578
2002.	2.263	34.640	1.23	2.122	27.674
2494.	1.891	34.660	1.42	1.713	27.722
3004.	1.668	34.672	1.58	1.447	27.751
3493.	1.542	34.681	1.73	1.275	27.770
3993.	1.418	34.692	1.94	1.102	27.791
4492.	1.250	34.702	2.26	0.884	27.814
4992.	1.251	34.706	2.37	0.826	27.820
5476.	1.309	34.705	2.42	0.822	27.820

CAST EP1-88-OC -003 LAT 00 00.2N LONG 164 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
4.	26.601	35.269	2.06	26.600	23.050
10.	26.594	35.268	2.07	26.592	23.052
19.	26.594	35.269	2.04	26.590	23.053
39.	26.430	35.252	1.94	26.421	23.093
60.	26.054	35.261	1.90	26.041	23.220
80.	24.487	35.286	1.69	24.470	23.719
98.	22.284	35.163	1.57	22.264	24.269
124.	19.993	35.330	1.54	19.970	25.023
151.	16.742	34.921	1.60	16.717	25.521
198.	14.657	34.986	1.57	14.628	26.043
250.	12.404	34.861	1.44	12.371	26.410
297.	11.625	34.818	0.97	11.587	26.526

CAST EP1-88-OC -004 LAT 00 00.6S LONG 164 54.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
498.	8.502	34.638	0.93	8.449	26.922
995.	4.458	34.556	0.99	4.379	27.393
1495.	3.015	34.606	1.04	2.907	27.579
1986.	2.330	34.638	1.18	2.190	27.666
2495.	1.831	34.665	1.39	1.654	27.730
3013.	1.627	34.676	1.58	1.406	27.757
3495.	1.517	34.684	1.72	1.251	27.774
3996.	1.429	34.692	1.88	1.112	27.790
4494.	1.257	34.704	2.19	0.890	27.815
4992.	1.202	34.709	2.37	0.779	27.826
5837.	1.303	34.708	2.44	0.770	27.826

CAST EP1-88-OC -005 LAT 00 04.1N LONG 160 01.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
497.	8.268	34.623	0.84	8.216	26.946
997.	4.667	34.554	0.93	4.586	27.369
1497.	3.057	34.603	1.03	2.949	27.573
1994.	2.303	34.639	1.21	2.162	27.669
2496.	1.908	34.661	1.35	1.730	27.721
2995.	1.672	34.673	1.55	1.452	27.751
3494.	1.532	34.682	1.72	1.266	27.772
3995.	1.415	34.692	1.89	1.099	27.791
4495.	1.256	34.702	2.19	0.889	27.813
4791.	1.234	34.705	2.29	0.833	27.819
5149.	1.238	34.706	2.39	0.794	27.823

CAST EP1-88-OC -006 LAT 00 00.9S LONG 159 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
4.	26.589	35.297	2.10	26.588	23.075
12.	26.529	35.296	2.00	26.526	23.093
21.	26.492	35.295	2.25	26.487	23.105
39.	26.129	35.308	2.29	26.120	23.230
60.	25.856	35.342	2.20	25.843	23.342
78.	25.456	35.412	1.87	25.439	23.520
98.	23.204	35.238	1.55	23.184	24.063
123.	20.089	35.141	1.53	20.066	24.853
150.	16.744	35.044	1.58	16.720	25.615
196.	13.995	34.957	1.53	13.967	26.162
248.	12.376	34.859	1.24	12.343	26.414
302.	11.750	34.843	0.80	11.711	26.522

CAST EP1-88-OC -007 LAT 00 00.0N LONG 153 58.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
496.	8.083	34.616	0.85	8.032	26.968
996.	4.609	34.553	0.96	4.529	27.374
1494.	3.091	34.601	1.05	2.983	27.568
1734.	2.587	34.624	1.14	2.465	27.632
1994.	2.283	34.641	1.20	2.143	27.673
2495.	1.848	34.664	1.39	1.671	27.728
2994.	1.681	34.674	1.55	1.461	27.751
3496.	1.526	34.684	1.72	1.260	27.774
3996.	1.426	34.692	1.88	1.110	27.791
4497.	1.354	34.699	2.10	0.984	27.805
4850.	1.308	34.703	2.27	0.898	27.813

CAST EP1-88-OC -008 LAT 00 00.1S LONG 153 57.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	25.727	35.080	2.17	25.726	23.181
11.	25.690	35.086	2.24	25.687	23.197
19.	25.719	35.082	2.27	25.715	23.186
41.	25.262	35.138	2.21	25.253	23.370
60.	24.353	35.235	1.82	24.340	23.720
80.	21.900	35.264	1.67	21.884	24.452
100.	19.631	35.201	1.57	19.613	25.018
123.	16.398	34.862	1.66	16.378	25.555
151.	15.302	34.925	1.59	15.279	25.853
199.	12.030	34.858	0.98	12.004	26.479
250.	11.528	34.818	0.57	11.496	26.543
299.	10.762	34.769	0.55	10.726	26.645

CAST EP1-88-OC -009 LAT 00 00.7N LONG 149 58.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
502.	7.773	34.601	0.85	7.722	27.002
995.	4.422	34.558	0.96	4.343	27.398
1492.	3.031	34.604	1.01	2.923	27.576
1743.	2.513	34.626	1.18	2.391	27.640
1994.	2.306	34.638	1.19	2.165	27.668
2249.	1.990	34.656	1.33	1.832	27.709
2494.	1.845	34.663	1.40	1.668	27.727
2962.	1.673	34.672	1.57	1.456	27.750
3496.	1.470	34.686	1.78	1.205	27.779
3992.	1.386	34.694	1.94	1.071	27.795
4495.	1.365	34.697	2.12	0.995	27.802

CAST EP1-88-OC -010 LAT 00 01.3N LONG 149 58.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	24.705	35.071	2.07	24.704	23.486
10.	24.711	35.071	2.11	24.709	23.485
20.	24.711	35.071	2.17	24.707	23.486
39.	24.534	35.079	2.09	24.526	23.546
59.	23.766	35.084	1.89	23.754	23.779
79.	21.697	35.058	1.65	21.682	24.352
101.	18.927	35.102	1.60	18.909	25.123
125.	16.947	35.016	1.57	16.926	25.545
148.	15.689	35.004	1.60	15.666	25.828
201.	12.838	34.902	1.40	12.811	26.355
251.	12.038	34.852	0.91	12.005	26.474
299.	11.450	34.815	0.56	11.412	26.557

CAST EP1-88-OC -011 LAT 00 00.6S LONG 144 58.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
499.	8.314	34.636	0.45	8.262	26.949
995.	4.542	34.556	0.92	4.462	27.384
1244.	3.691	34.581	0.93	3.597	27.494
1496.	3.036	34.605	1.00	2.928	27.576
1746.	2.572	34.624	1.14	2.449	27.634
1995.	2.233	34.644	1.21	2.093	27.679
2499.	1.868	34.664	1.40	1.690	27.726
2995.	1.672	34.674	1.57	1.452	27.752
3491.	1.481	34.687	1.79	1.216	27.779
3995.	1.391	34.695	1.98	1.076	27.795
4291.	1.401	34.696	1.99	1.053	27.798

CAST EP1-88-OC -012 LAT 00 01.3S LONG 144 56.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	26.201	35.394	2.14	26.200	23.270
11.	26.204	35.391	2.26	26.202	23.267
19.	26.193	35.389	2.32	26.189	23.270
40.	25.495	35.407	2.29	25.486	23.502
60.	23.068	35.438	1.89	23.056	24.251
80.	19.262	35.287	1.61	19.248	25.178
100.	17.205	35.052	1.62	17.188	25.510
124.	16.436	35.088	1.62	16.416	25.720
150.	15.043	35.088	1.57	15.020	26.036
199.	12.695	34.896	1.23	12.668	26.379
250.	11.726	34.832	0.62	11.694	26.517

CAST EP1-88-OC -013 LAT 01 59.3S LONG 139 57.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
496.	7.585	34.599	0.86	7.536	27.027
995.	4.637	34.552	1.02	4.557	27.370
1246.	3.751	34.574	1.04	3.657	27.482
1495.	3.110	34.600	1.09	3.001	27.566
1745.	2.610	34.622	1.22	2.486	27.629
1979.	2.323	34.642	1.18	2.183	27.670
2498.	1.924	34.660	1.42	1.745	27.719
3033.	1.686	34.673	1.62	1.462	27.751
3493.	1.498	34.687	1.82	1.233	27.778
3992.	1.410	34.693	1.99	1.094	27.792
4284.	1.414	34.695	2.04	1.066	27.796

CAST EP1-88-OC -014 LAT 01 58.7S LONG 139 56.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	23.385	35.268	2.06	23.384	24.027
10.	23.389	35.270	2.09	23.387	24.028
19.	23.406	35.277	2.22	23.402	24.029
39.	23.412	35.135	2.33	23.404	23.920
59.	23.415	35.275	2.42	23.403	24.027
80.	23.481	35.318	2.40	23.465	24.041
100.	18.958	35.551	1.26	18.940	25.459
124.	14.569	35.081	0.57	14.551	26.133
151.	12.996	34.924	0.24	12.975	26.340
196.	12.515	34.892	0.28	12.489	26.411
250.	12.135	34.871	0.17	12.102	26.470
299.	11.582	34.843	0.13	11.544	26.554

CAST EP1-88-OC -015 LAT 01 30.3S LONG 139 59.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	23.255	35.134	2.06	23.254	23.963
21.	23.125	35.136	2.03	23.121	24.003
40.	23.009	35.169	2.07	23.001	24.063
60.	22.941	35.256	2.01	22.929	24.150
80.	22.960	35.411	2.74	22.944	24.263
99.	18.771	35.484	1.29	18.753	25.455
124.	15.687	35.209	1.34	15.668	25.985
149.	14.375	35.096	1.24	14.353	26.187
199.	12.617	34.899	0.20	12.590	26.397
298.	11.707	34.851	0.23	11.669	26.537
497.	8.060	34.623	0.63	8.009	26.977
997.	4.688	34.555	0.94	4.607	27.367

CAST EP1-88-OC -016 LAT 01 00.2S LONG 139 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	23.528	35.110	2.21	23.528	23.865
19.	23.453	35.109	2.26	23.449	23.888
37.	23.254	35.111	2.28	23.246	23.948
59.	22.167	35.175	1.97	22.155	24.309
79.	21.408	35.356	1.83	21.393	24.659
104.	17.570	35.210	1.51	17.552	25.544
123.	15.495	35.114	1.58	15.476	25.955
146.	14.299	35.030	1.55	14.278	26.152
199.	12.524	34.918	1.20	12.497	26.430
299.	11.479	34.829	0.74	11.441	26.562
497.	8.320	34.641	0.50	8.268	26.952
993.	4.622	34.557	0.17	4.542	27.376

CAST EP1-88-OC -017 LAT 00 29.9S LONG 139 59.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
5.	23.890	35.013	2.35	23.889	23.686
18.	23.835	35.013	2.47	23.831	23.703
40.	22.946	35.006	2.42	22.938	23.958
59.	21.538	35.010	2.01	21.527	24.359
80.	18.309	35.119	1.73	18.295	25.291
97.	16.792	34.949	1.73	16.776	25.529
123.	14.658	34.993	1.53	14.640	26.046
149.	12.558	34.876	1.29	12.538	26.389
199.	12.137	34.870	0.97	12.111	26.467
298.	11.131	34.799	0.61	11.094	26.602
499.	8.464	34.651	0.50	8.411	26.938
1012.	4.604	34.561	0.95	4.523	27.381

CAST EP1-88-OC -018 LAT 00 02.0S LONG 139 54.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	24.249	34.961	2.50	24.248	23.540
123.	14.183	34.853	1.51	14.165	26.039
250.	11.772	34.842	0.54	11.740	26.516

CAST EP1-88-OC -019 LAT 00 02.8S LONG 139 53.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
499.	8.442	34.651	0.45	8.389	26.941
746.	5.706	34.557	0.80	5.641	27.248
998.	4.588	34.562	0.92	4.508	27.384
1245.	3.802	34.581	0.90	3.707	27.483
1495.	3.167	34.604	1.07	3.058	27.564
1998.	2.287	34.648	1.20	2.146	27.678
2494.	1.874	34.670	1.43	1.697	27.731
2993.	1.705	34.680	1.57	1.484	27.755
3506.	1.494	34.691	1.81	1.227	27.782
3995.	1.402	34.698	1.97	1.086	27.797
4264.	1.409	34.701	2.05	1.063	27.801

CAST EP1-88-OC -020 LAT 00 00.3S LONG 139 57.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	24.327	34.962	2.26	24.327	23.517
11.	24.320	34.962	2.38	24.318	23.520
21.	24.315	34.962	2.50	24.311	23.522
38.	24.137	34.965	2.43	24.129	23.578
58.	20.276	34.876	1.61	20.265	24.598
79.	16.609	34.858	1.63	16.596	25.501
100.	15.141	34.891	1.60	15.126	25.861
123.	13.620	34.810	1.49	13.603	26.124
150.	12.492	34.861	1.19	12.472	26.390
199.	11.909	34.830	0.78	11.883	26.480
248.	11.590	34.829	0.56	11.558	26.540
299.	10.766	34.776	0.64	10.730	26.650

CAST EP1-88-OC -021 LAT 00 29.9N LONG 140 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	25.090	34.931	1.77	25.089	23.264
19.	25.052	34.931	1.90	25.048	23.276
40.	23.729	34.891	1.67	23.721	23.643
59.	16.908	34.762	1.07	16.898	25.357
79.	14.200	34.701	1.05	14.188	25.917
99.	13.004	34.718	0.99	12.990	26.177
124.	12.265	34.788	0.77	12.249	26.377
148.	12.207	34.821	0.70	12.188	26.415
199.	11.998	34.842	0.57	11.972	26.472
300.	10.742	34.762	0.40	10.706	26.644
498.	8.027	34.628	0.30	7.976	26.986
977.	4.795	34.552	0.64	4.715	27.353

CAST EP1-88-OC -022 LAT 00 58.5N LONG 139 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
4.	25.439	34.952	1.68	25.438	23.173
19.	25.196	34.946	1.87	25.192	23.244
40.	24.420	34.891	1.70	24.412	23.438
59.	18.937	34.802	0.96	18.926	24.890
79.	15.219	34.747	0.83	15.207	25.732
100.	13.458	34.750	0.81	13.444	26.110
121.	12.320	34.802	0.67	12.304	26.377
149.	12.034	34.826	0.54	12.015	26.452
198.	11.924	34.831	0.46	11.898	26.478
299.	10.418	34.721	0.39	10.382	26.668
501.	8.174	34.622	0.34	8.122	26.959
969.	4.671	34.545	0.63	4.593	27.361

CAST EP1-88-OC -023 LAT 01 29.6N LONG 140 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
4.	25.257	34.973	1.73	25.256	23.245
19.	25.054	34.960	1.72	25.050	23.298
40.	21.365	34.826	1.21	21.357	24.265
59.	17.289	34.822	0.82	17.279	25.312
81.	15.607	34.873	0.62	15.594	25.743
99.	13.734	34.844	0.58	13.720	26.126
149.	12.569	34.871	0.26	12.549	26.383
197.	11.887	34.828	0.31	11.861	26.482
249.	11.297	34.790	0.32	11.266	26.564
297.	10.717	34.751	0.24	10.681	26.639
497.	8.162	34.627	0.35	8.110	26.965
999.	4.601	34.554	0.64	4.521	27.376

CAST EP1-88-OC -024 LAT 02 01.1N LONG 139 58.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
497.	8.168	34.625	0.32	8.116	26.962
747.	6.118	34.555	0.53	6.051	27.195
996.	4.608	34.554	0.64	4.528	27.375
1248.	3.717	34.581	0.61	3.623	27.491
1495.	3.204	34.602	0.63	3.094	27.559
1992.	2.327	34.640	0.79	2.186	27.668
2494.	1.836	34.665	0.97	1.659	27.730
2994.	1.699	34.674	1.07	1.478	27.750
3503.	1.485	34.686	1.23	1.219	27.778
3995.	1.434	34.692	1.31	1.117	27.790
4441.	1.424	34.694	1.38	1.058	27.796

CAST EP1-88-OC -025 LAT 02 01.0N LONG 139 58.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	24.619	34.975	1.70	24.619	23.440
10.	24.630	34.974	1.76	24.628	23.436
21.	24.615	34.980	1.78	24.611	23.446
41.	24.298	34.954	1.91	24.289	23.522
59.	22.818	34.887	1.61	22.806	23.905
80.	15.465	34.868	0.62	15.453	25.771
100.	14.000	34.946	0.50	13.986	26.149
124.	13.155	34.902	0.39	13.138	26.290
151.	12.802	34.888	0.26	12.782	26.350
201.	12.110	34.844	0.21	12.084	26.452
249.	11.547	34.806	0.28	11.515	26.530
300.	10.663	34.744	0.27	10.627	26.643

CAST EP1-88-OC -026 LAT 02 59.2N LONG 140 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	25.732	34.824	1.69	25.732	22.986
19.	25.719	34.823	1.82	25.715	22.990
40.	23.657	34.889	1.95	23.649	23.663
60.	22.444	34.901	1.87	22.432	24.022
81.	17.745	34.770	0.93	17.731	25.163
99.	14.299	34.778	0.73	14.285	25.956
123.	12.525	34.778	0.69	12.509	26.319
150.	12.309	34.856	0.32	12.289	26.422
202.	11.922	34.827	0.35	11.896	26.475
300.	10.794	34.754	0.29	10.757	26.628
500.	7.744	34.609	0.13	7.694	27.012
1021.	4.309	34.563	0.60	4.229	27.415

CAST EP1-88-OC -027 LAT 03 59.6N LONG 140 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	27.135	34.848	1.68	27.134	22.562
20.	27.016	34.845	1.79	27.011	22.599
39.	27.003	34.845	1.90	26.994	22.605
60.	26.216	34.870	1.81	26.202	22.874
80.	24.202	34.903	1.59	24.185	23.515
99.	18.867	34.770	0.96	18.849	24.885
124.	14.406	34.687	0.95	14.388	25.864
149.	12.486	34.713	0.96	12.466	26.277
198.	11.319	34.770	0.70	11.294	26.543
299.	10.192	34.711	0.56	10.157	26.700
497.	8.192	34.623	0.18	8.140	26.957
1008.	4.425	34.563	0.49	4.345	27.402

CAST EP1-88-OC -028 LAT 05 00.1N LONG 140 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	26.825	34.879	1.63	26.824	22.685
10.	26.828	34.882	1.68	26.826	22.686
20.	26.809	34.878	1.70	26.804	22.690
42.	26.503	34.888	1.77	26.494	22.796
59.	26.398	34.898	1.83	26.385	22.838
79.	26.359	34.905	1.94	26.341	22.857
100.	25.265	34.965	1.81	25.243	23.243
125.	17.258	34.751	0.92	17.237	25.268
148.	14.554	34.649	0.68	14.532	25.804
198.	11.218	34.631	0.42	11.193	26.454
248.	10.152	34.652	0.52	10.123	26.660
299.	9.569	34.660	0.48	9.535	26.765

CAST EP1-88-OC -029 LAT 04 59.0N LONG 139 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
499.	7.797	34.608	0.04	7.747	27.004
745.	5.477	34.550	0.30	5.414	27.270
995.	4.442	34.562	0.50	4.363	27.399
1249.	3.685	34.583	0.55	3.591	27.496
1496.	3.144	34.603	0.69	3.035	27.565
1990.	2.333	34.638	0.76	2.192	27.666
2496.	1.915	34.663	0.90	1.737	27.722
2996.	1.758	34.673	0.98	1.536	27.745
3495.	1.531	34.684	1.19	1.265	27.773
3974.	1.418	34.692	1.35	1.104	27.791
4498.	1.403	34.696	1.43	1.031	27.799

CAST EP1-88-OC -030 LAT 05 59.8N LONG 139 59.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	27.999	34.454	1.71	27.999	21.987
20.	27.776	34.465	1.82	27.771	22.069
42.	27.316	34.650	1.81	27.306	22.358
60.	26.783	34.796	1.92	26.769	22.640
78.	25.813	34.820	1.83	25.796	22.963
96.	19.738	34.737	1.10	19.720	24.636
122.	13.603	34.630	0.65	13.586	25.988
150.	11.810	34.699	0.14	11.791	26.396
199.	10.561	34.701	0.24	10.537	26.626
297.	9.562	34.676	0.22	9.528	26.779
496.	8.289	34.620	0.00	8.237	26.940
1000.	4.549	34.562	0.38	4.469	27.388

CAST EP1-88-OC -031 LAT 06 58.7N LONG 140 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	27.475	33.646	1.64	27.475	21.549
11.	27.647	34.095	1.74	27.644	21.832
20.	27.591	34.118	1.74	27.586	21.868
40.	27.534	34.274	1.91	27.525	22.005
60.	24.932	34.572	1.46	24.919	23.044
81.	16.698	34.676	0.82	16.685	25.341
99.	13.726	34.600	0.48	13.712	25.939
125.	12.312	34.651	0.28	12.296	26.262
150.	11.117	34.673	0.32	11.098	26.504
200.	10.381	34.688	0.39	10.357	26.647
249.	9.982	34.687	0.34	9.953	26.716
299.	9.651	34.676	0.31	9.617	26.764

CAST EP1-88-OC -032 LAT 06 58.7N LONG 140 00.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
498.	7.980	34.610	0.00	7.929	26.978
747.	5.735	34.550	0.14	5.670	27.239
994.	4.573	34.559	0.30	4.493	27.383
1490.	3.053	34.606	0.55	2.945	27.576
1994.	2.208	34.643	0.78	2.069	27.680
2493.	1.889	34.664	0.89	1.711	27.725
2995.	1.750	34.672	0.98	1.528	27.745
3497.	1.535	34.684	1.17	1.268	27.773
3997.	1.390	34.693	1.38	1.074	27.794
4494.	1.391	34.694	1.43	1.020	27.798
5079.	1.442	34.696	1.48	1.000	27.801

CAST EP1-88-OC -033 LAT 08 00.0N LONG 140 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	27.810	34.110	1.72	27.810	21.790
19.	27.644	34.108	1.83	27.640	21.843
41.	27.550	34.252	1.82	27.541	21.983
59.	21.053	34.568	1.78	21.042	24.155
79.	15.674	34.596	0.77	15.662	25.514
100.	12.936	34.627	0.21	12.922	26.120
126.	11.820	34.713	0.11	11.804	26.404
150.	11.326	34.714	0.18	11.307	26.497
199.	10.353	34.666	0.43	10.329	26.635
297.	9.603	34.677	0.21	9.569	26.773
497.	8.117	34.611	0.00	8.066	26.959
998.	4.631	34.556	0.37	4.551	27.374

CAST EP1-88-OC -034 LAT 08 59.0N LONG 140 10.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
5.	27.633	34.168	1.70	27.632	21.891
10.	27.628	34.168	1.82	27.626	21.893
20.	27.601	34.172	1.90	27.596	21.905
39.	27.545	34.227	1.96	27.536	21.966
60.	26.529	34.348	1.73	26.515	22.382
79.	14.683	34.554	0.34	14.671	25.700
99.	12.711	34.651	0.25	12.698	26.183
124.	11.979	34.728	0.09	11.963	26.385
149.	11.572	34.743	0.07	11.553	26.474
199.	10.770	34.712	0.18	10.746	26.597
251.	10.221	34.697	0.05	10.191	26.683
299.	9.852	34.691	0.00	9.818	26.742

CAST EP1-88-OC -035 LAT 08 59.9N LONG 140 08.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
498.	8.329	34.604	0.00	8.277	26.921
751.	5.744	34.535	0.09	5.678	27.226
997.	4.505	34.558	0.25	4.426	27.389
1495.	3.100	34.601	0.53	2.991	27.567
1995.	2.240	34.634	0.77	2.100	27.670
2497.	1.890	34.662	0.88	1.712	27.723
2995.	1.726	34.671	0.98	1.505	27.746
3496.	1.555	34.679	1.13	1.288	27.768
3993.	1.407	34.692	1.34	1.091	27.792
4493.	1.403	34.695	1.43	1.032	27.798
5138.	1.456	34.698	1.49	1.006	27.802

CAST EP1-88-OC -036 LAT 10 00.1N LONG 140 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	27.526	34.149	1.77	27.525	21.911
20.	27.526	34.147	1.90	27.521	21.911
39.	27.518	34.150	1.97	27.509	21.917
59.	27.420	34.233	1.82	27.406	22.012
80.	15.079	34.477	0.66	15.067	25.555
100.	13.258	34.614	0.32	13.244	26.045
124.	12.458	34.658	0.28	12.442	26.239
147.	11.865	34.723	0.11	11.846	26.404
198.	11.180	34.734	0.12	11.155	26.541
297.	10.155	34.702	0.03	10.120	26.699
499.	8.356	34.604	0.00	8.304	26.917
1000.	4.529	34.551	0.19	4.449	27.381

CAST EP1-88-OC -037 LAT 11 00.2N LONG 140 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	27.016	34.374	1.72	27.015	22.244
20.	27.022	34.373	1.79	27.018	22.242
39.	26.984	34.374	1.76	26.975	22.256
60.	23.332	34.506	1.98	23.320	23.468
80.	20.766	34.675	1.90	20.751	24.315
100.	17.590	34.488	1.46	17.573	24.985
124.	14.043	34.417	0.63	14.025	25.732
150.	12.797	34.674	0.00	12.777	26.185
200.	11.613	34.730	0.00	11.588	26.458
299.	10.234	34.686	0.00	10.199	26.673
498.	8.129	34.580	0.07	8.077	26.933
987.	4.682	34.549	0.26	4.602	27.363

CAST EP1-88-OC -038 LAT 12 00.2N LONG 140 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	25.913	34.362	1.70	25.913	22.581
21.	25.913	34.361	1.79	25.908	22.582
40.	25.910	34.361	1.84	25.901	22.584
61.	23.930	34.280	1.98	23.917	23.122
78.	22.768	34.799	2.00	22.752	23.854
97.	21.468	34.771	2.01	21.449	24.198
123.	17.956	34.524	1.61	17.935	24.925
150.	13.725	34.354	0.89	13.704	25.750
199.	12.036	34.719	0.00	12.010	26.369
298.	10.685	34.711	0.00	10.649	26.614
498.	8.404	34.577	0.00	8.351	26.889
1000.	4.668	34.541	0.19	4.587	27.358

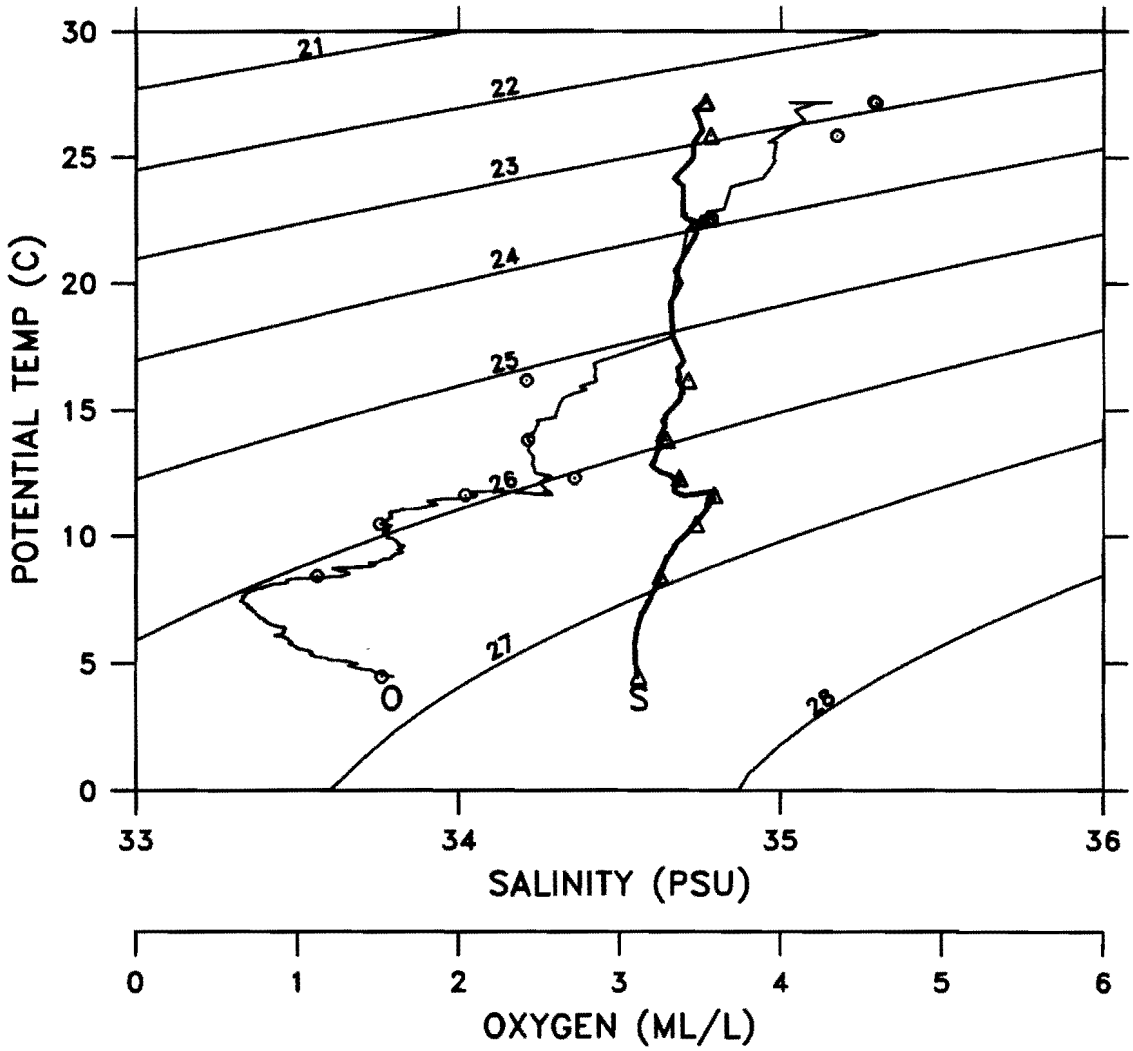
EP2-88-OC

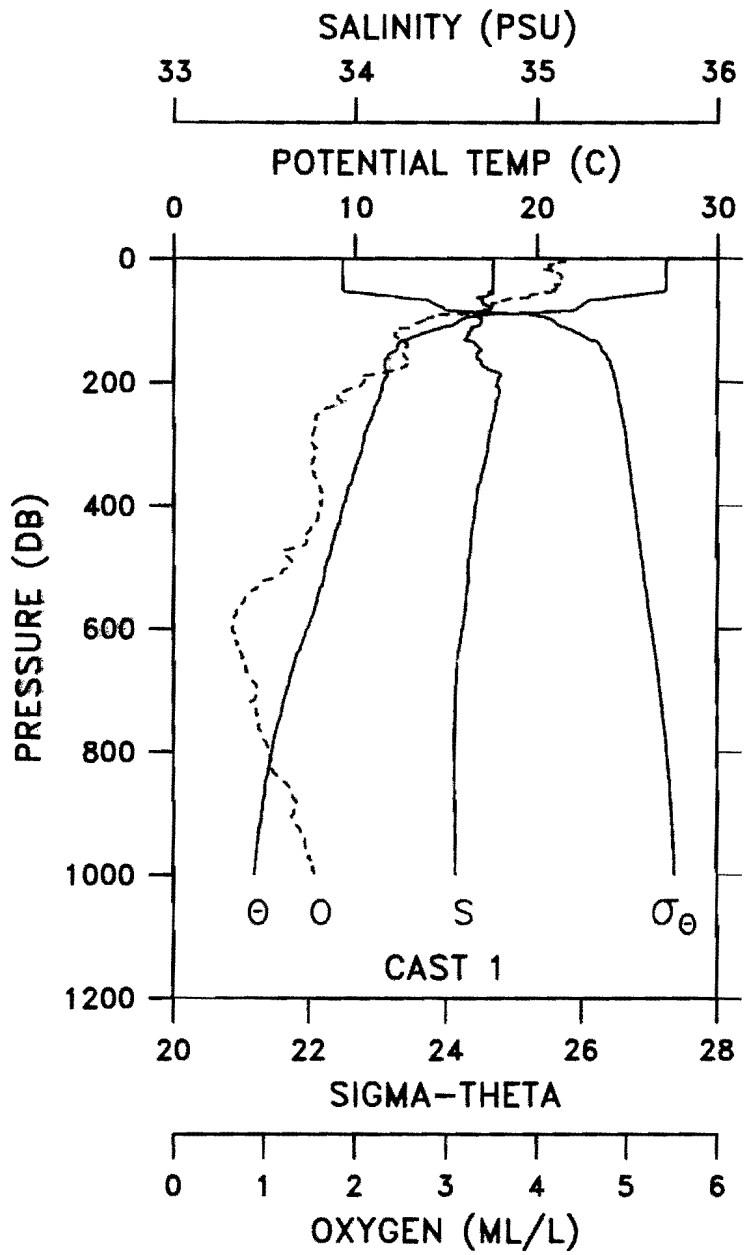
June 17–July 9, 1988

CTD/O_2 and Hydrographic Data Summary

CAST EP2-88-OC -001 DATE 21 JUN 88 TIME 2013 GMT

LAT 05 01.4N LONG 139 59.4W



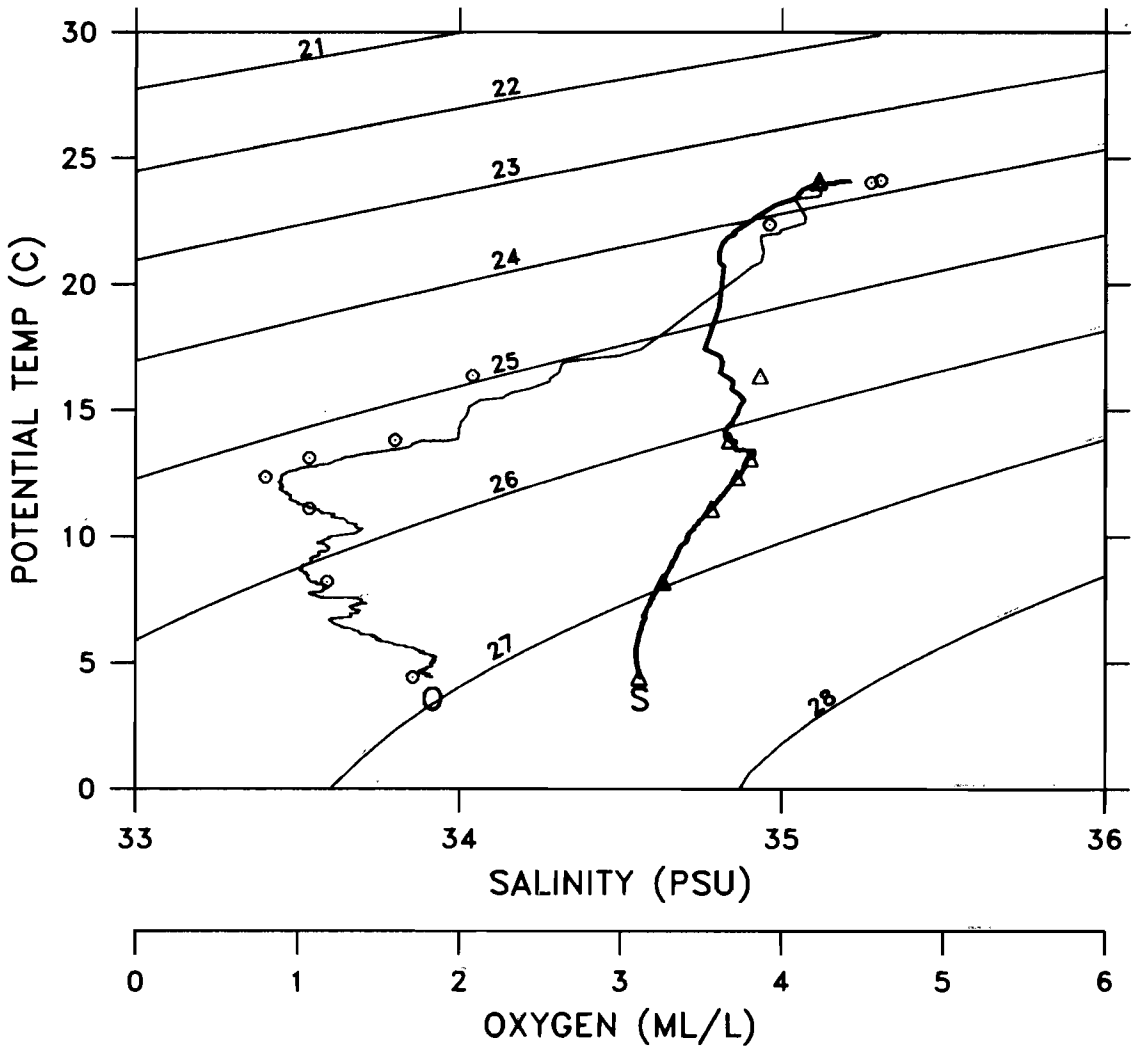


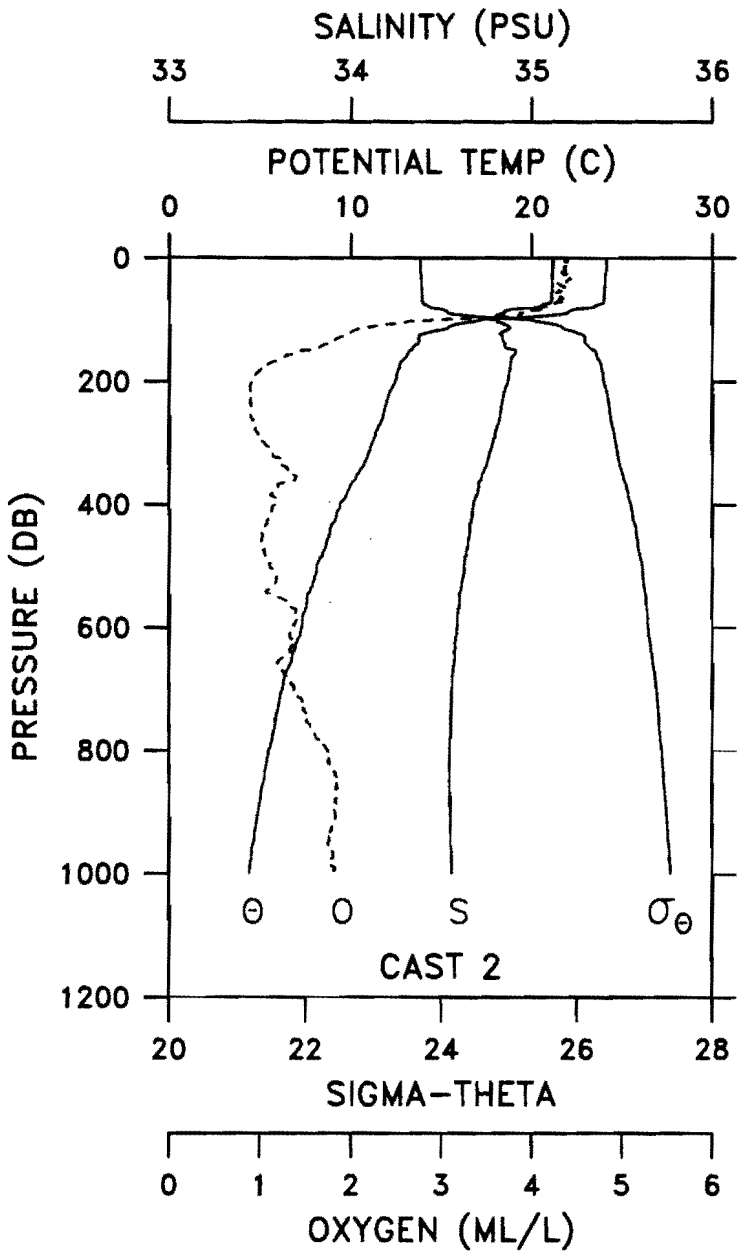
CAST EP2-88-OC -001 DATE 21 JUN 88 TIME 2013 GMT
LAT 05 01.4N LONG 139 59.4W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 155 T SPD 16 KT VISIBILITY 8
CLOUD 8 AMOUNT 4 DRY 26.7 WET 22.3 DEPTH 4450 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.174	34.757	4.31	22.482	0.000
10	27.170	34.756	4.13	22.482	0.054
20	27.161	34.756	4.17	22.485	0.107
30	27.156	34.756	4.27	22.486	0.161
40	27.152	34.756	4.24	22.488	0.214
50	27.142	34.756	4.19	22.491	0.268
60	24.999	34.728	3.96	23.138	0.320
70	22.744	34.698	3.55	23.780	0.364
80	22.251	34.746	3.44	23.956	0.404
90	17.403	34.682	3.10	25.175	0.440
100	15.753	34.694	2.76	25.569	0.466
110	14.948	34.654	2.61	25.718	0.490
120	13.800	34.619	2.43	25.935	0.512
130	12.941	34.605	2.46	26.099	0.532
140	12.313	34.669	2.57	26.272	0.550
150	12.166	34.682	2.51	26.311	0.568
160	11.772	34.670	2.56	26.377	0.585
170	11.625	34.693	2.58	26.422	0.601
180	11.671	34.745	2.45	26.454	0.618
190	11.761	34.798	2.08	26.478	0.634
200	11.535	34.779	2.10	26.506	0.649
250	11.001	34.766	1.63	26.594	0.726
300	10.434	34.731	1.55	26.667	0.799
350	9.913	34.694	1.55	26.729	0.870
400	9.393	34.662	1.63	26.790	0.938
450	8.902	34.639	1.45	26.851	1.003
500	8.406	34.621	1.29	26.915	1.066
550	7.965	34.612	0.80	26.974	1.126
600	7.424	34.592	0.64	27.038	1.184
650	6.754	34.565	0.76	27.110	1.238
700	6.288	34.554	0.91	27.163	1.289
750	5.847	34.549	0.96	27.216	1.338
800	5.462	34.547	1.07	27.262	1.384
900	4.902	34.552	1.34	27.331	1.471
1000	4.492	34.555	1.57	27.380	1.553
1005	4.460	34.556	1.58	27.384	1.557

CAST EP2-88-OC -002 DATE 22 JUN 88 TIME 0930 GMT

LAT 02 00.8N LONG 140 01.8W



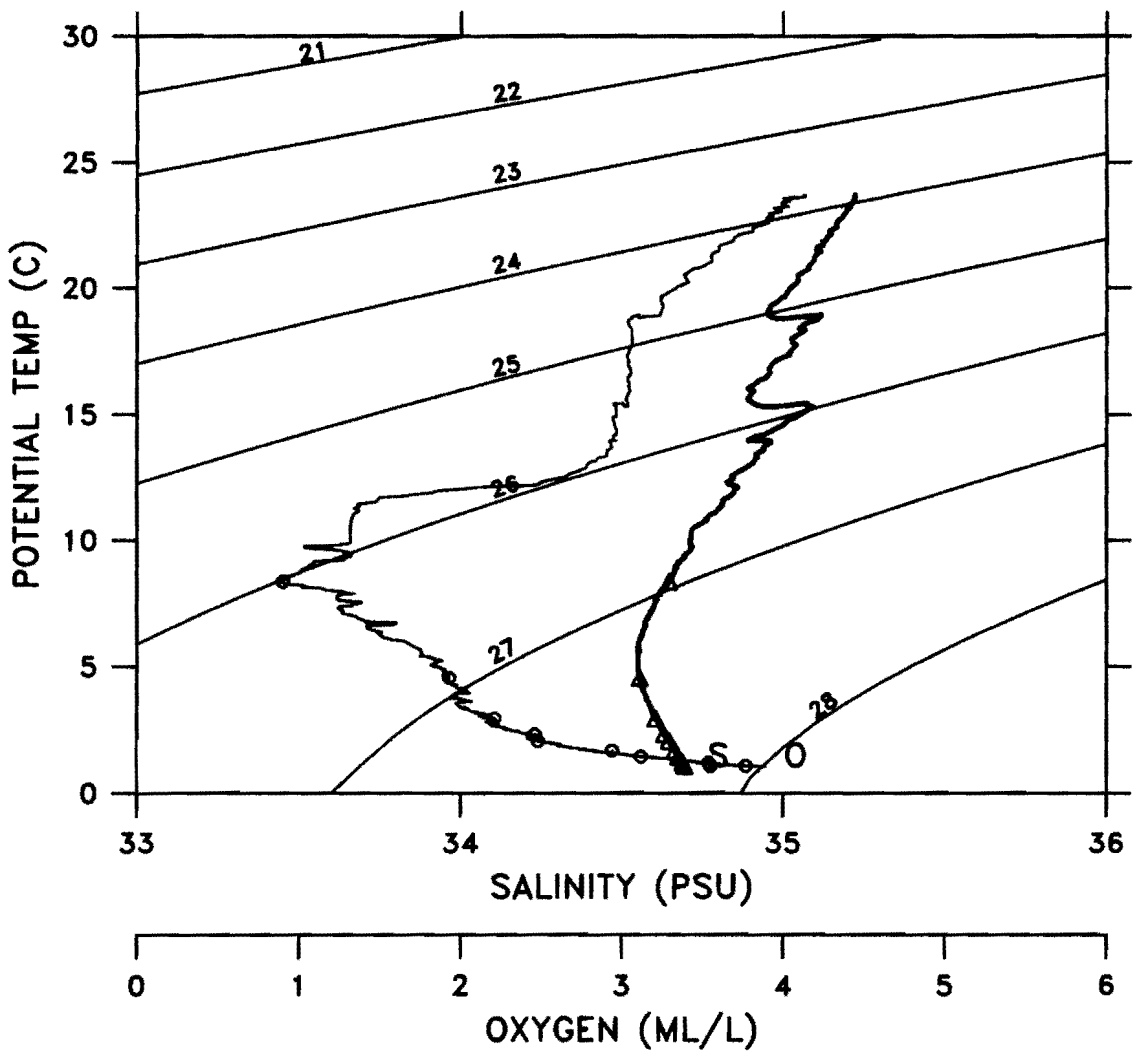


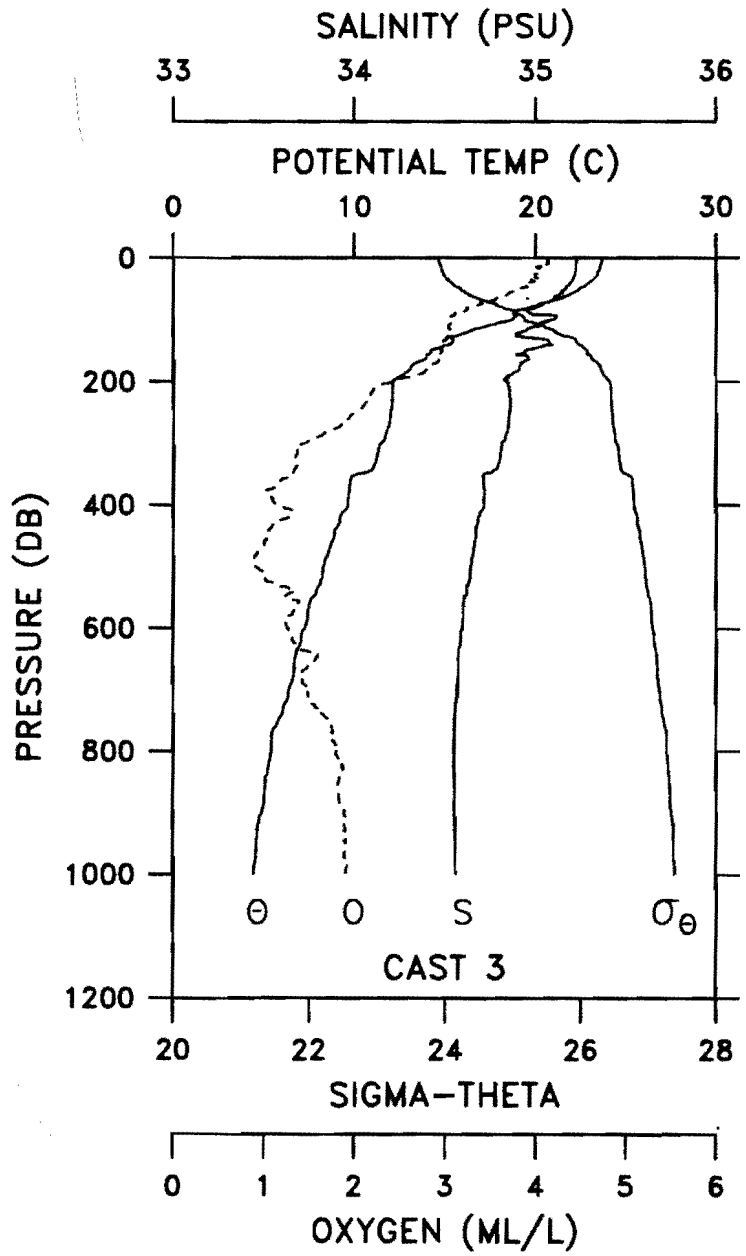
CAST EP2-88-OC -002 DATE 22 JUN 88 TIME 0930 GMT
LAT 02 00.8N LONG 140 01.8W WEATHER 2 SEA STATE 3
BAROMETER 13 WIND DIR 105 T SPD 10 KT VISIBILITY 8
CLOUD X AMOUNT 6 DRY 23.9 WET 22.3 DEPTH 4383 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.134	35.115	4.38	23.690	0.000
10	24.132	35.114	4.41	23.691	0.042
20	24.126	35.114	4.35	23.692	0.084
30	24.066	35.111	4.37	23.708	0.126
40	24.050	35.110	4.28	23.711	0.168
50	24.034	35.109	4.36	23.716	0.210
60	24.011	35.107	4.33	23.721	0.252
70	23.981	35.103	4.31	23.727	0.294
80	23.389	35.034	4.08	23.848	0.335
90	21.890	34.835	3.87	24.125	0.374
100	17.192	34.807	2.99	25.321	0.407
110	15.582	34.869	2.29	25.742	0.432
120	14.342	34.830	2.00	25.984	0.454
130	13.772	34.840	1.85	26.112	0.474
140	13.632	34.851	1.70	26.149	0.493
150	13.270	34.912	1.42	26.271	0.511
160	13.064	34.894	1.27	26.298	0.529
170	12.758	34.883	1.11	26.351	0.546
180	12.678	34.881	1.01	26.366	0.563
190	12.550	34.875	0.95	26.386	0.580
200	12.456	34.870	0.92	26.400	0.597
250	11.838	34.828	0.89	26.487	0.679
300	11.181	34.785	1.05	26.576	0.757
350	10.366	34.726	1.35	26.676	0.831
400	9.401	34.679	1.16	26.802	0.900
450	8.790	34.656	1.03	26.883	0.965
500	8.109	34.627	1.11	26.965	1.026
550	7.573	34.601	1.20	27.024	1.084
600	7.300	34.589	1.37	27.053	1.139
650	6.757	34.576	1.24	27.118	1.193
700	6.232	34.561	1.37	27.176	1.243
750	5.855	34.553	1.51	27.218	1.291
800	5.489	34.548	1.75	27.259	1.338
900	4.928	34.552	1.83	27.328	1.426
1000	4.438	34.560	1.83	27.390	1.507
1005	4.421	34.561	1.83	27.392	1.511

CAST EP2-88-OC -003 DATE 22 JUN 88 TIME 2118 GMT

LAT 00 01.6S LONG 139 50.5W



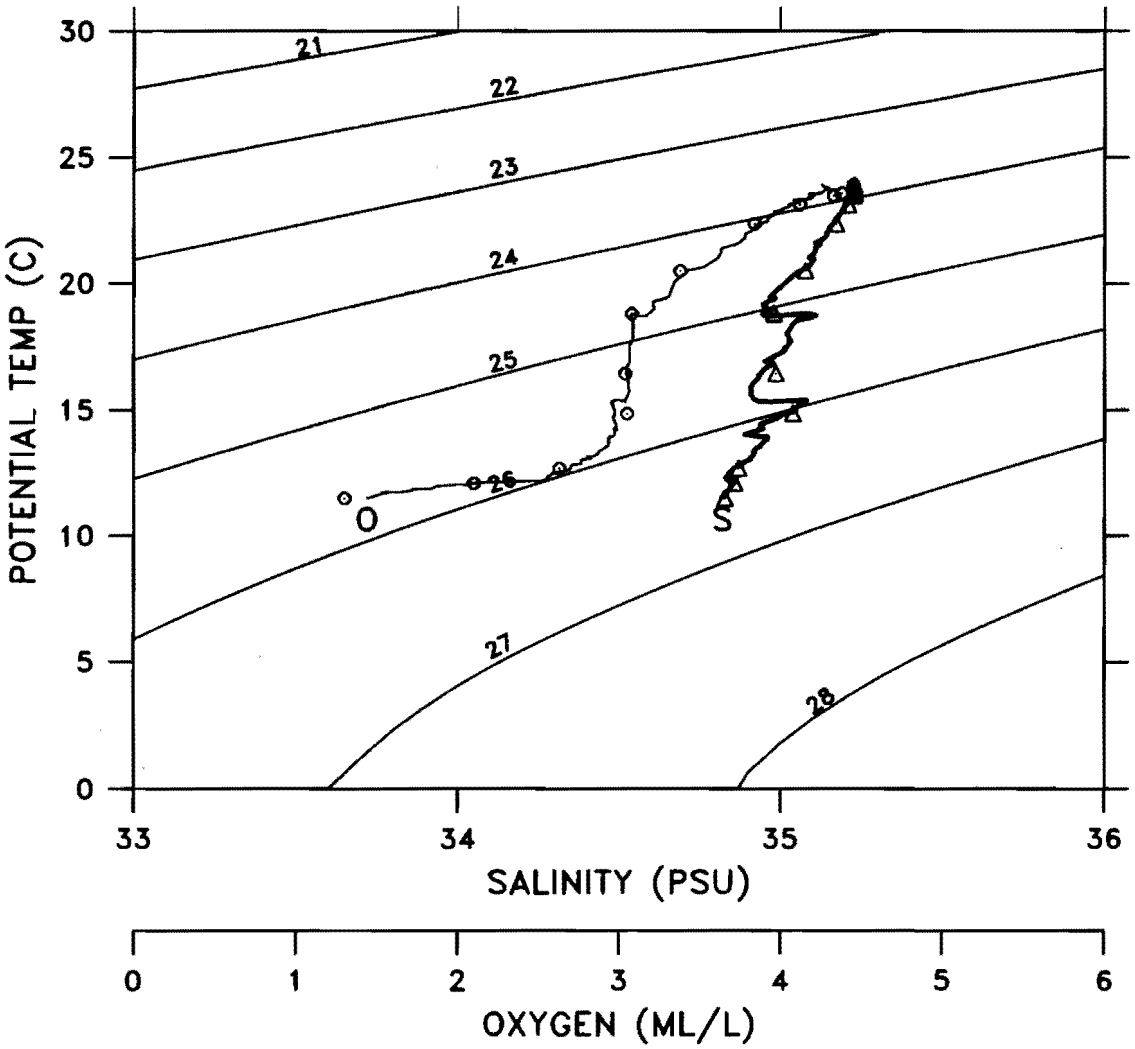


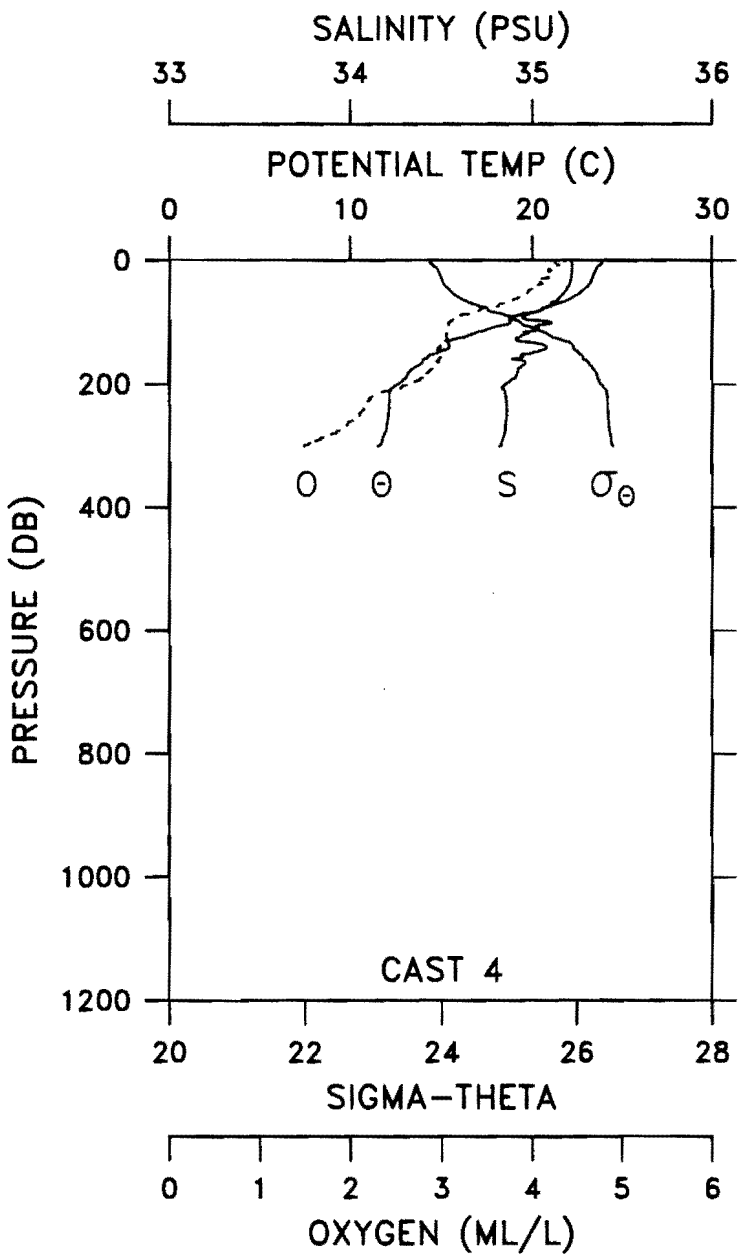
CAST EP2-88-OC -003 DATE 22 JUN 88 TIME 2118 GMT
LAT 00 01.6S LONG 139 50.5W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 095 T SPD 11 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 25.5 WET 24.8 DEPTH 4346 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.695	35.223	4.13	23.902	0.000
10	23.613	35.221	4.14	23.925	0.040
20	23.524	35.220	4.05	23.950	0.080
30	23.372	35.210	3.99	23.986	0.119
40	22.958	35.192	3.91	24.093	0.158
50	22.409	35.164	3.82	24.228	0.195
60	21.858	35.122	3.67	24.351	0.232
70	20.809	35.078	3.48	24.606	0.267
80	19.653	35.004	3.24	24.857	0.299
90	18.773	34.980	3.11	25.065	0.329
100	18.681	35.092	3.04	25.174	0.358
110	17.323	35.021	3.04	25.454	0.385
120	16.225	34.915	3.05	25.632	0.409
130	15.365	35.016	3.01	25.904	0.432
140	15.307	35.092	2.96	25.976	0.453
150	14.209	34.939	2.96	26.096	0.473
160	13.995	34.959	2.93	26.157	0.492
170	13.370	34.916	2.91	26.254	0.511
180	13.102	34.907	2.80	26.301	0.529
190	12.646	34.851	2.67	26.348	0.546
200	12.188	34.845	2.44	26.433	0.563
250	12.040	34.853	2.02	26.468	0.644
300	11.499	34.815	1.45	26.540	0.724
350	10.197	34.715	1.31	26.696	0.801
400	9.659	34.715	1.17	26.788	0.868
450	8.910	34.670	1.04	26.875	0.933
500	8.299	34.642	0.91	26.948	0.994
550	7.671	34.612	1.24	27.018	1.053
600	7.258	34.596	1.26	27.065	1.108
650	6.677	34.571	1.58	27.125	1.161
700	6.378	34.565	1.50	27.160	1.213
750	5.779	34.552	1.71	27.226	1.261
800	5.405	34.550	1.81	27.271	1.307
900	4.883	34.551	1.89	27.333	1.393
1000	4.443	34.558	1.90	27.388	1.474
1500	2.911	34.605	2.19	27.578	1.814
2000	2.047	34.647	2.50	27.685	2.088
2500	1.683	34.665	2.82	27.728	2.331
3000	1.442	34.675	3.15	27.754	2.561
3500	1.210	34.689	3.49	27.781	2.785
4000	1.087	34.695	3.78	27.794	2.999
4403	1.062	34.697	3.88	27.798	3.174

CAST EP2-88-OC -004 DATE 22 JUN 88 TIME 2346 GMT

LAT 00 01.5S LONG 139 49.2W



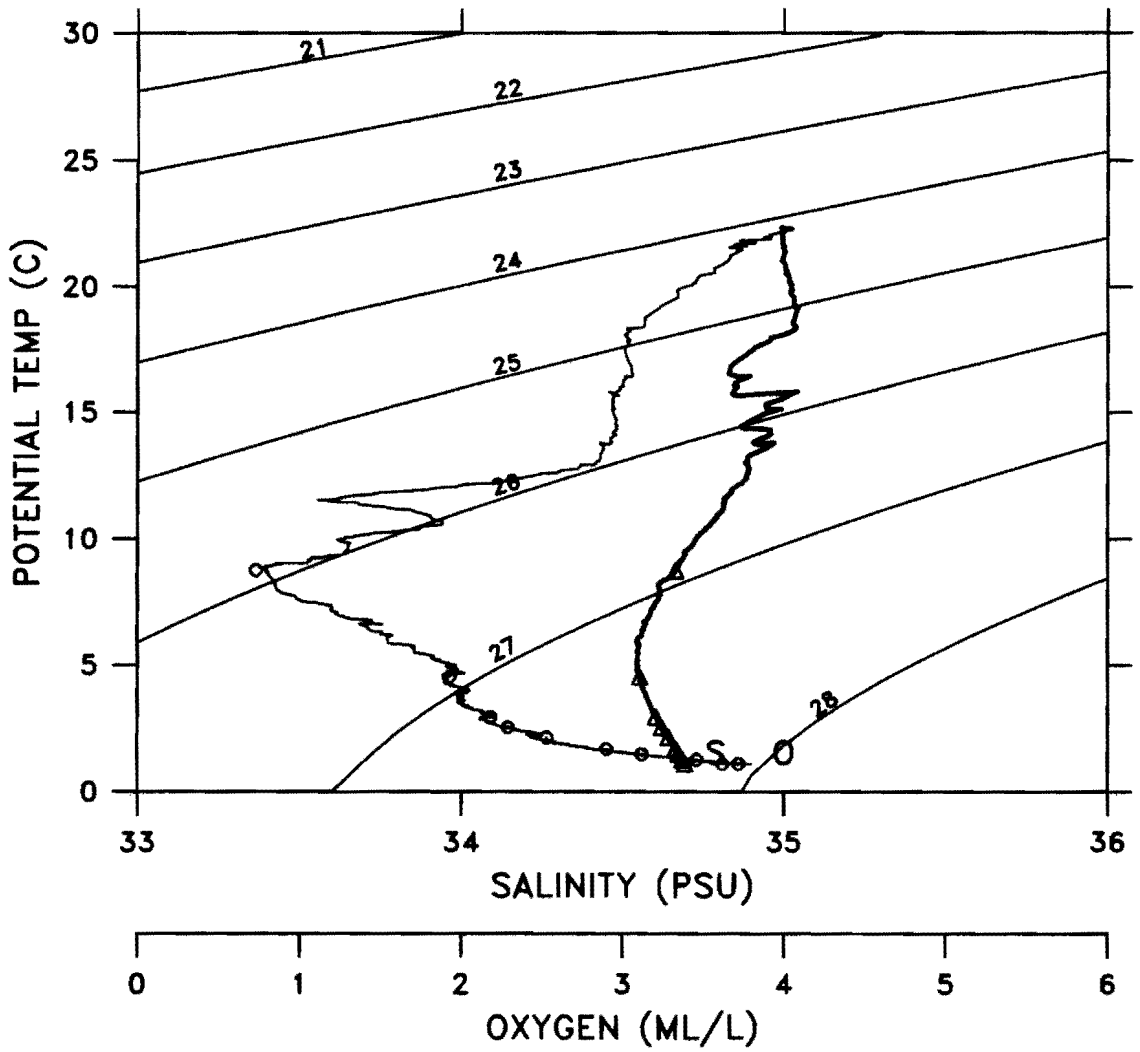


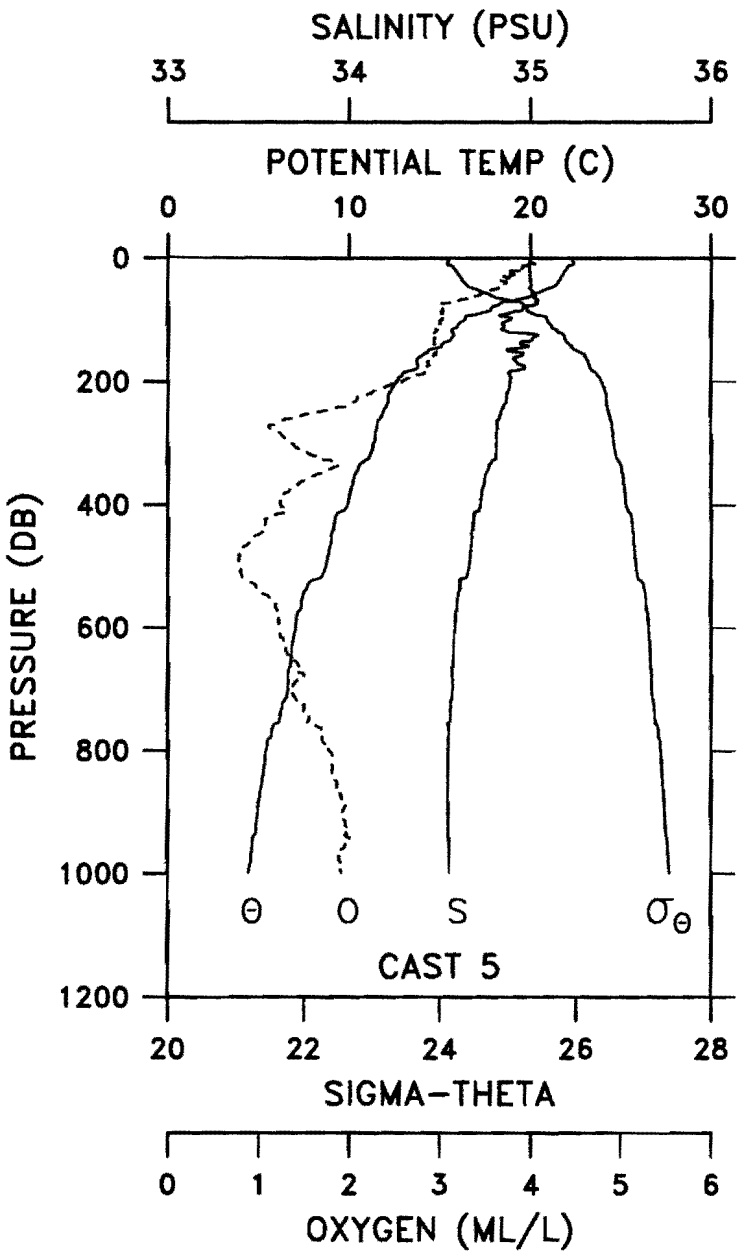
CAST EP2-88-OC -004 DATE 22 JUN 88 TIME 2346 GMT
LAT 00 01.5S LONG 139 49.2W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 080 T SPD 15 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 24.9 WET 22.8 DEPTH 4322 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.925	35.224	4.25	23.835	0.000
10	23.698	35.224	4.27	23.902	0.040
20	23.495	35.222	4.18	23.960	0.080
30	23.337	35.216	4.09	24.001	0.119
40	23.163	35.207	4.05	24.045	0.158
50	22.754	35.182	3.95	24.144	0.197
60	22.279	35.151	3.85	24.256	0.234
70	21.426	35.106	3.63	24.460	0.270
80	20.468	35.056	3.42	24.681	0.304
90	18.999	34.960	3.22	24.992	0.335
100	18.769	35.100	3.09	25.158	0.364
110	17.707	35.034	3.08	25.371	0.392
120	16.606	34.949	3.05	25.569	0.417
130	15.436	34.916	3.04	25.812	0.441
140	15.397	35.080	2.98	25.946	0.462
150	14.732	34.997	2.96	26.029	0.483
160	14.037	34.888	2.98	26.093	0.502
170	13.727	34.949	2.94	26.205	0.521
180	13.253	34.917	2.87	26.278	0.539
190	13.050	34.904	2.79	26.309	0.557
200	12.624	34.853	2.69	26.354	0.575
250	12.094	34.857	2.11	26.460	0.657
300	11.509	34.817	1.45	26.540	0.737
301	11.510	34.817	1.44	26.540	0.739

CAST EP2-88-OC -005 DATE 23 JUN 88 TIME 2050 GMT

LAT 00 01.5N LONG 134 58.2W



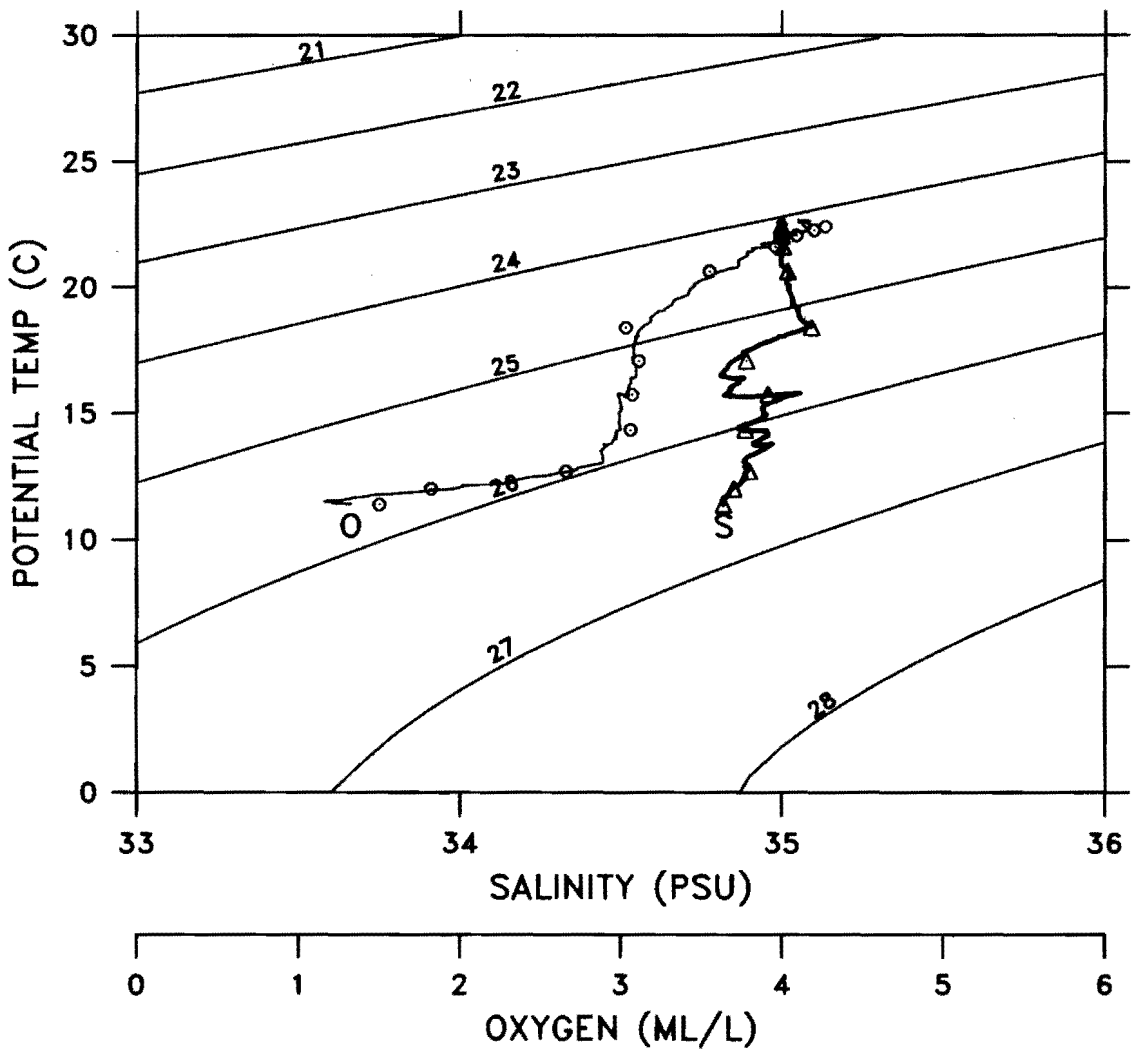


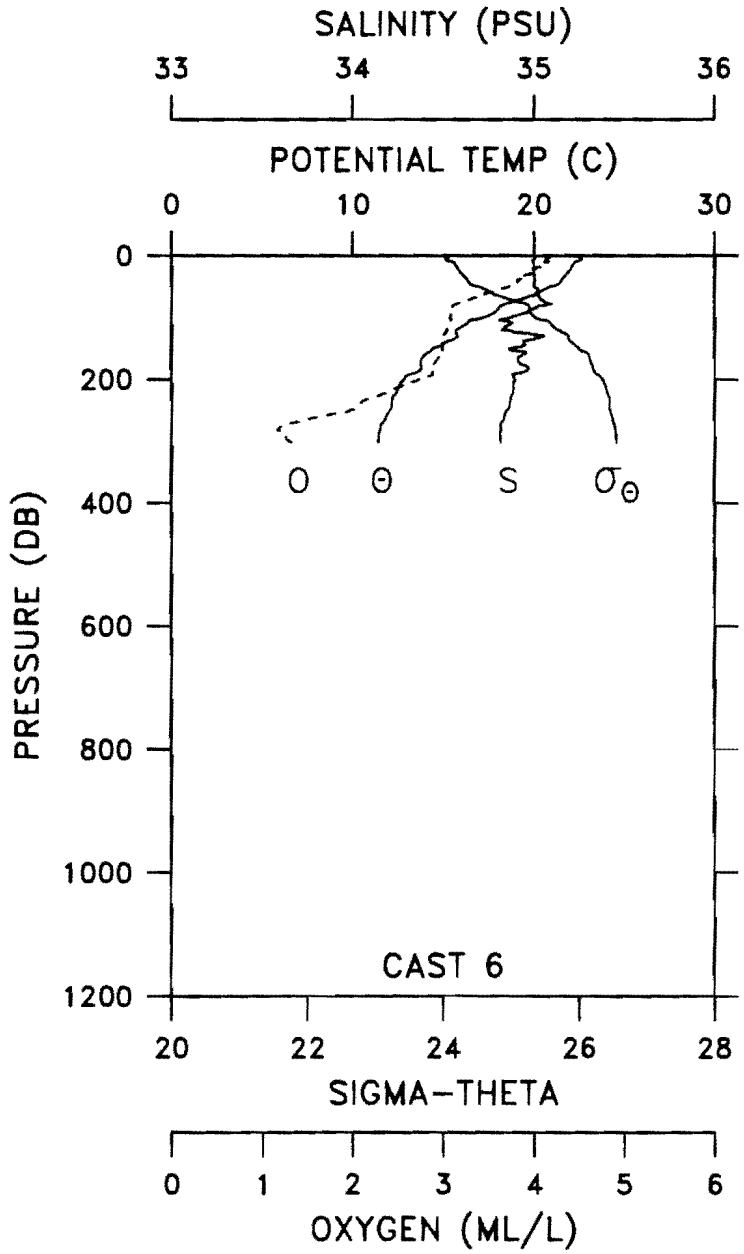
CAST EP2-88-OC -005 DATE 23 JUN 88 TIME 2050 GMT
LAT 00 01.5N LONG 134 58.2W WEATHER 0 SEA STATE 3
BAROMETER 13 WIND DIR 095 T SPD 09 KT VISIBILITY 8
CLOUD X AMOUNT 0 DRY 23.7 WET 22.8 DEPTH 4380 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.320	34.996	3.99	24.126	0.000
10	22.357	34.993	4.05	24.113	0.038
20	21.916	34.996	3.92	24.240	0.075
30	21.672	34.998	3.74	24.309	0.112
40	21.476	35.001	3.74	24.366	0.148
50	20.910	35.003	3.62	24.522	0.183
60	20.087	35.024	3.43	24.759	0.216
70	18.770	35.033	3.14	25.106	0.246
80	17.866	34.958	3.04	25.274	0.274
90	17.159	34.868	3.03	25.376	0.301
100	16.374	34.887	3.03	25.575	0.326
110	16.012	34.858	3.00	25.636	0.350
120	15.712	34.922	2.95	25.754	0.373
130	15.649	35.009	2.94	25.835	0.395
140	15.127	34.951	2.94	25.907	0.417
150	14.359	34.882	2.96	26.020	0.438
160	13.883	34.913	2.92	26.145	0.457
170	13.740	34.926	2.87	26.185	0.476
180	13.615	34.948	2.88	26.228	0.495
190	12.914	34.885	2.74	26.322	0.512
200	12.625	34.892	2.60	26.384	0.529
250	11.867	34.837	1.64	26.488	0.611
300	11.341	34.811	1.37	26.566	0.689
350	10.326	34.753	1.65	26.703	0.763
400	9.922	34.726	1.24	26.752	0.833
450	9.037	34.679	0.98	26.861	0.898
500	8.736	34.663	0.79	26.897	0.962
550	7.450	34.601	1.11	27.041	1.020
600	7.056	34.587	1.22	27.086	1.074
650	6.818	34.576	1.37	27.110	1.127
700	6.638	34.573	1.38	27.132	1.179
750	6.160	34.559	1.56	27.184	1.230
800	5.428	34.546	1.78	27.265	1.276
900	4.965	34.548	1.93	27.321	1.364
1000	4.434	34.557	1.91	27.387	1.446
1500	2.920	34.604	2.13	27.577	1.788
2000	2.119	34.641	2.46	27.675	2.067
2500	1.649	34.665	2.85	27.730	2.313
3000	1.467	34.673	3.12	27.750	2.545
3500	1.232	34.685	3.46	27.776	2.770
4000	1.092	34.693	3.74	27.792	2.987
4388	1.083	34.693	3.80	27.794	3.157

CAST EP2-88-OC -006 DATE 23 JUN 88 TIME 2258 GMT

LAT 00 01.8N LONG 134 58.8W



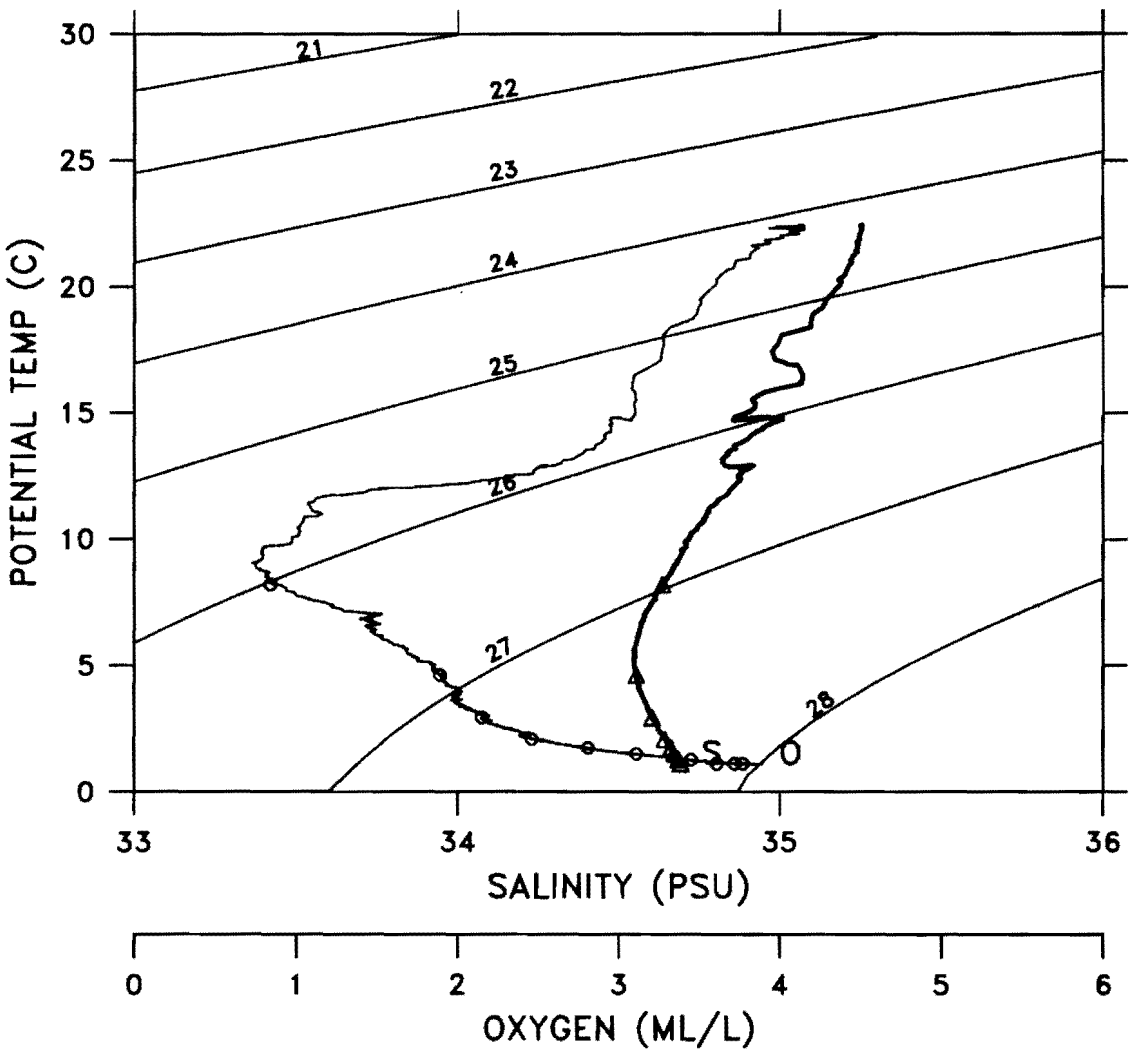


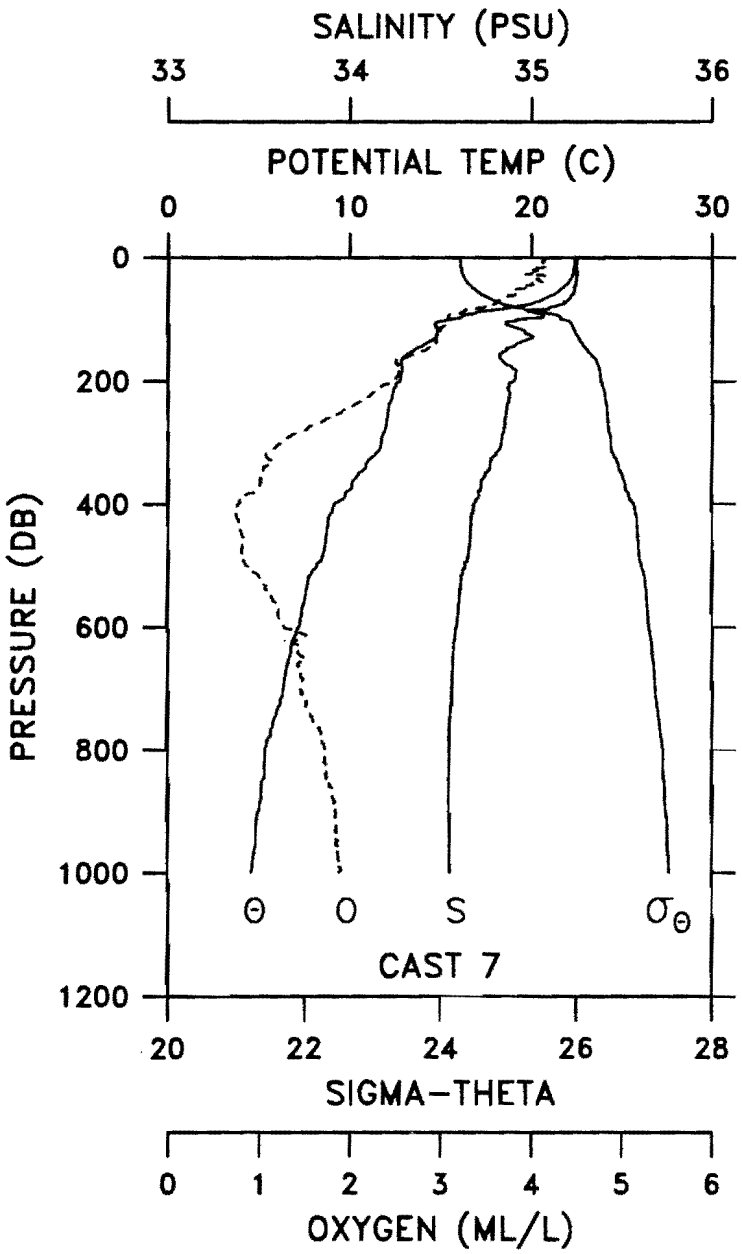
CAST EP2-88-OC -006 DATE 23 JUN 88 TIME 2258 GMT
LAT 00 01.8N LONG 134 58.8W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 090 T SPD 08 KT VISIBILITY 8
CLOUD 8 AMOUNT 4 DRY 23.8 WET 22.6 DEPTH 4380 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.505	35.010	4.17	24.085	0.000
10	22.238	34.996	4.17	24.150	0.038
20	22.044	35.001	4.03	24.208	0.076
30	21.791	35.003	3.97	24.280	0.113
40	21.514	35.003	3.83	24.357	0.149
50	20.873	34.997	3.73	24.527	0.184
60	20.233	35.013	3.49	24.711	0.217
70	19.325	35.033	3.32	24.964	0.248
80	18.244	35.049	3.11	25.251	0.277
90	17.901	34.973	3.09	25.277	0.304
100	17.220	34.869	3.08	25.362	0.331
110	16.323	34.872	3.06	25.576	0.356
120	15.701	34.821	3.05	25.679	0.380
130	15.793	35.054	2.99	25.838	0.403
140	15.153	34.940	3.01	25.893	0.425
150	14.411	34.863	3.00	25.995	0.446
160	14.013	34.938	2.97	26.137	0.465
170	13.763	34.911	2.92	26.169	0.484
180	13.781	34.966	2.89	26.207	0.503
190	13.393	34.915	2.88	26.248	0.521
200	12.815	34.897	2.74	26.351	0.539
250	12.050	34.848	1.99	26.462	0.622
300	11.431	34.818	1.30	26.555	0.701
302	11.420	34.818	1.32	26.557	0.704

CAST EP2-88-OC -007 DATE 24 JUN 88 TIME 2048 GMT

LAT 00 01.5S LONG 129 59.7W



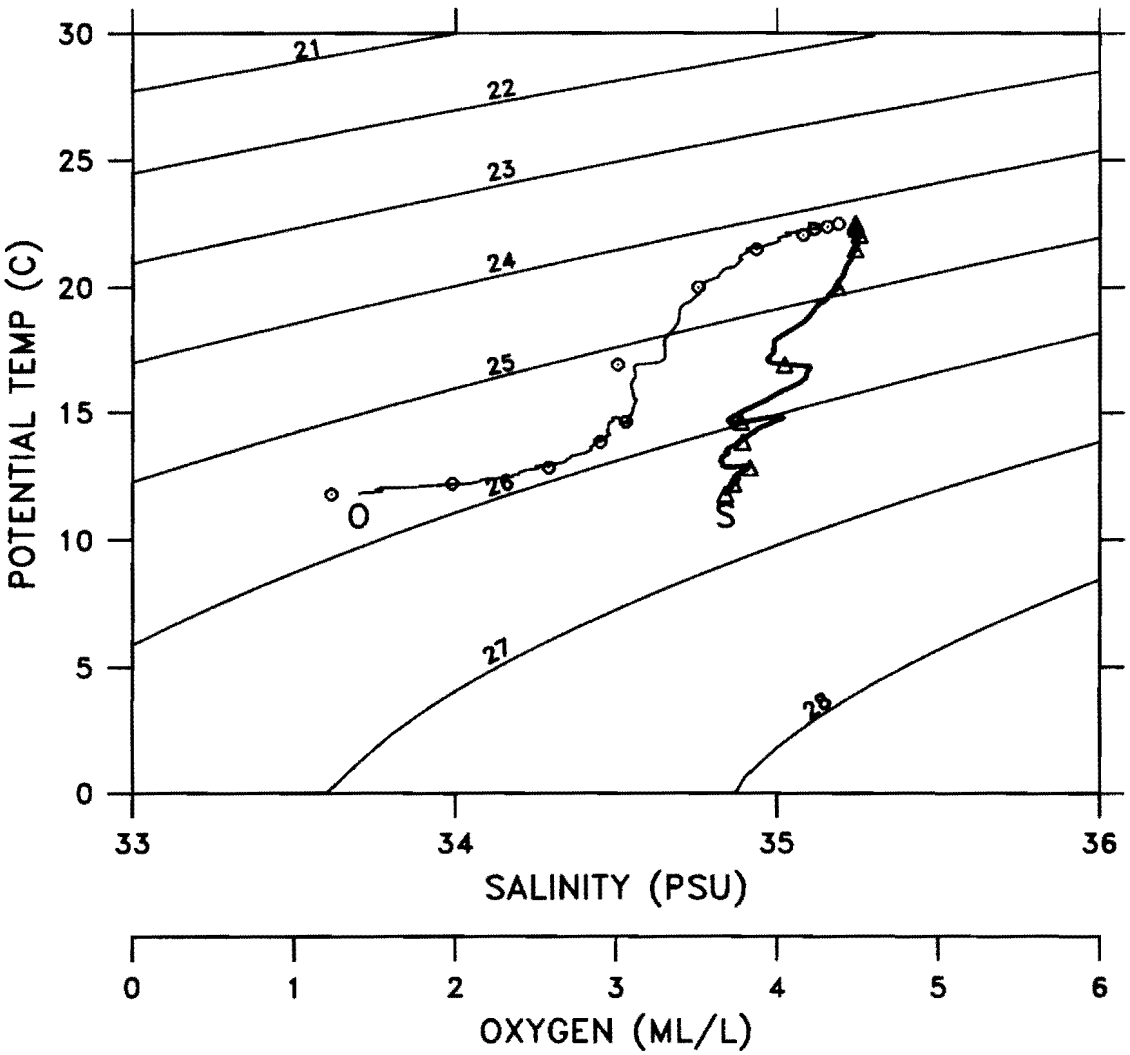


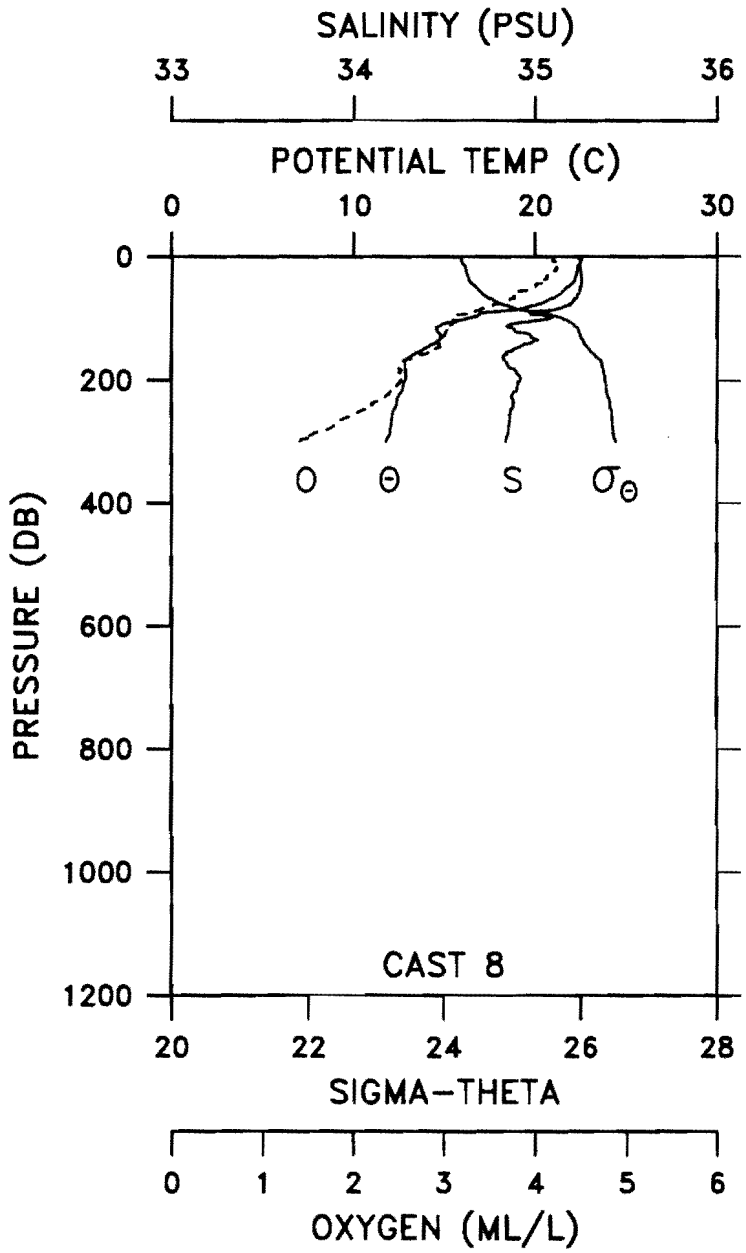
CAST EP2-88-OC -007 DATE 24 JUN 88 TIME 2048 GMT
LAT 00 01.5S LONG 129 59.7W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 110 T SPD 15 KT VISIBILITY 8
CLOUD 6 AMOUNT 1 DRY 24.0 WET 21.8 DEPTH 4493 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.437	35.254	4.14	24.289	0.000
10	22.413	35.254	4.10	24.296	0.036
20	22.365	35.253	4.04	24.309	0.072
30	22.251	35.255	4.13	24.343	0.109
40	22.056	35.247	4.06	24.391	0.144
50	21.668	35.243	3.88	24.496	0.179
60	21.209	35.225	3.81	24.610	0.213
70	20.491	35.204	3.64	24.788	0.246
80	18.925	35.102	3.48	25.119	0.276
90	16.909	35.056	3.21	25.580	0.303
100	15.529	34.912	3.11	25.788	0.325
110	14.727	34.882	3.05	25.941	0.347
120	14.828	34.964	3.01	25.983	0.367
130	14.714	35.005	2.94	26.039	0.388
140	14.145	34.916	2.92	26.092	0.407
150	13.549	34.855	2.85	26.170	0.427
160	13.039	34.820	2.65	26.247	0.445
170	12.871	34.851	2.50	26.304	0.463
180	12.906	34.905	2.55	26.339	0.480
190	12.847	34.909	2.54	26.354	0.497
200	12.772	34.901	2.49	26.363	0.515
250	12.126	34.860	1.91	26.457	0.597
300	11.740	34.833	1.24	26.510	0.678
350	10.493	34.745	1.02	26.668	0.755
400	9.149	34.681	0.78	26.845	0.824
450	8.703	34.664	0.82	26.903	0.886
500	8.206	34.639	0.87	26.959	0.947
550	7.544	34.606	1.13	27.032	1.004
600	7.209	34.589	1.28	27.066	1.059
650	6.670	34.571	1.51	27.126	1.112
700	6.340	34.565	1.46	27.165	1.162
750	5.833	34.554	1.60	27.221	1.211
800	5.350	34.550	1.74	27.278	1.257
900	4.979	34.547	1.85	27.319	1.345
1000	4.572	34.554	1.89	27.370	1.428
1500	2.907	34.606	2.17	27.579	1.777
2000	2.067	34.644	2.46	27.681	2.055
2500	1.715	34.661	2.78	27.722	2.301
3000	1.483	34.672	3.09	27.748	2.534
3500	1.260	34.685	3.42	27.774	2.761
4000	1.106	34.693	3.74	27.792	2.978
4500	1.093	34.694	3.86	27.793	3.200
4509	1.093	34.694	3.87	27.793	3.204

CAST EP2-88-OC -008 DATE 24 JUN 88 TIME 2311 GMT

LAT 00 01.9S LONG 130 01.6W



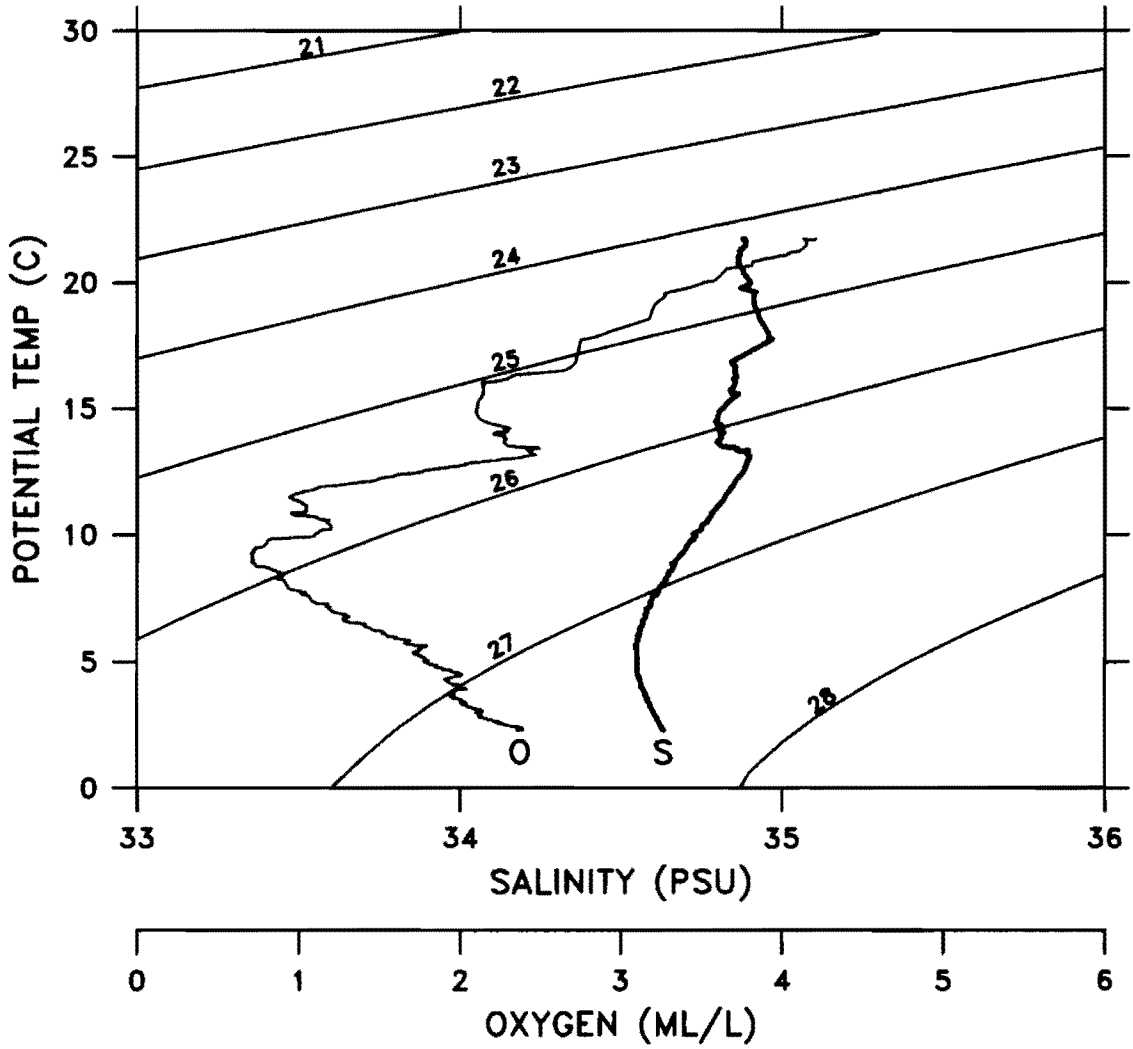


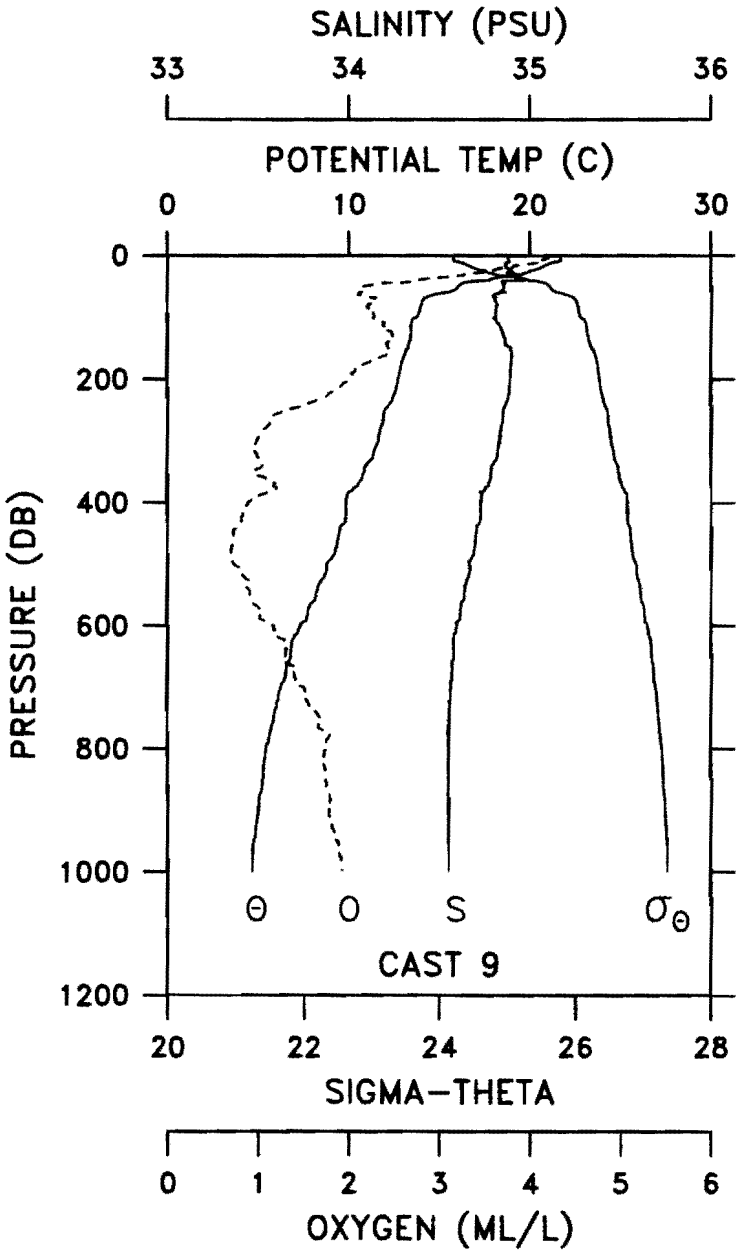
CAST EP2-88-OC -008 DATE 24 JUN 88 TIME 2311 GMT
LAT 00 01.9S LONG 130 01.6W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 110 T SPD 14 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 22.9 WET 21.3 DEPTH 4527 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.553	35.237	4.19	24.243	0.000
10	22.470	35.246	4.26	24.273	0.037
20	22.334	35.250	4.24	24.315	0.073
30	22.253	35.254	4.14	24.341	0.109
40	22.140	35.257	4.07	24.375	0.145
50	21.745	35.249	3.98	24.480	0.180
60	21.416	35.240	3.82	24.564	0.214
70	20.754	35.216	3.69	24.726	0.247
80	19.738	35.163	3.52	24.956	0.279
90	17.371	34.988	3.30	25.418	0.307
100	16.297	35.081	3.11	25.743	0.331
110	14.875	34.868	3.08	25.899	0.353
120	14.626	34.890	3.03	25.969	0.374
130	14.798	34.981	2.99	26.002	0.395
140	14.575	34.984	2.95	26.053	0.415
150	13.871	34.884	2.88	26.125	0.434
160	13.256	34.830	2.72	26.210	0.453
170	12.845	34.842	2.54	26.302	0.471
180	12.842	34.860	2.50	26.317	0.489
190	12.887	34.903	2.52	26.341	0.506
200	12.873	34.920	2.53	26.357	0.523
250	12.194	34.867	2.08	26.449	0.607
300	11.793	34.841	1.40	26.506	0.689
300	11.793	34.841	1.40	26.506	0.689

CAST EP2-88-OC -009 DATE 26 JUN 88 TIME 0120 GMT

LAT 00 09.1N LONG 124 24.9W



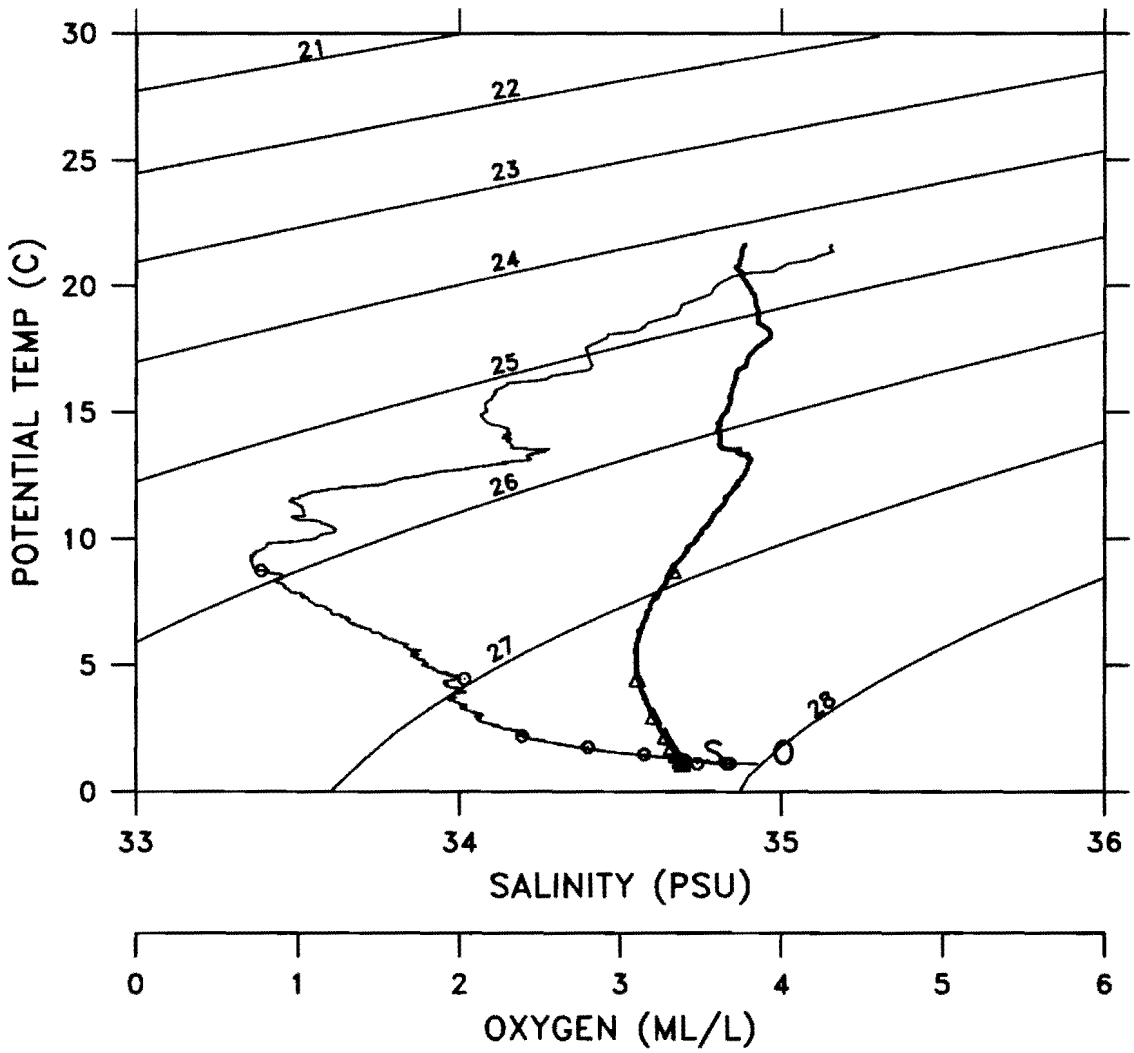


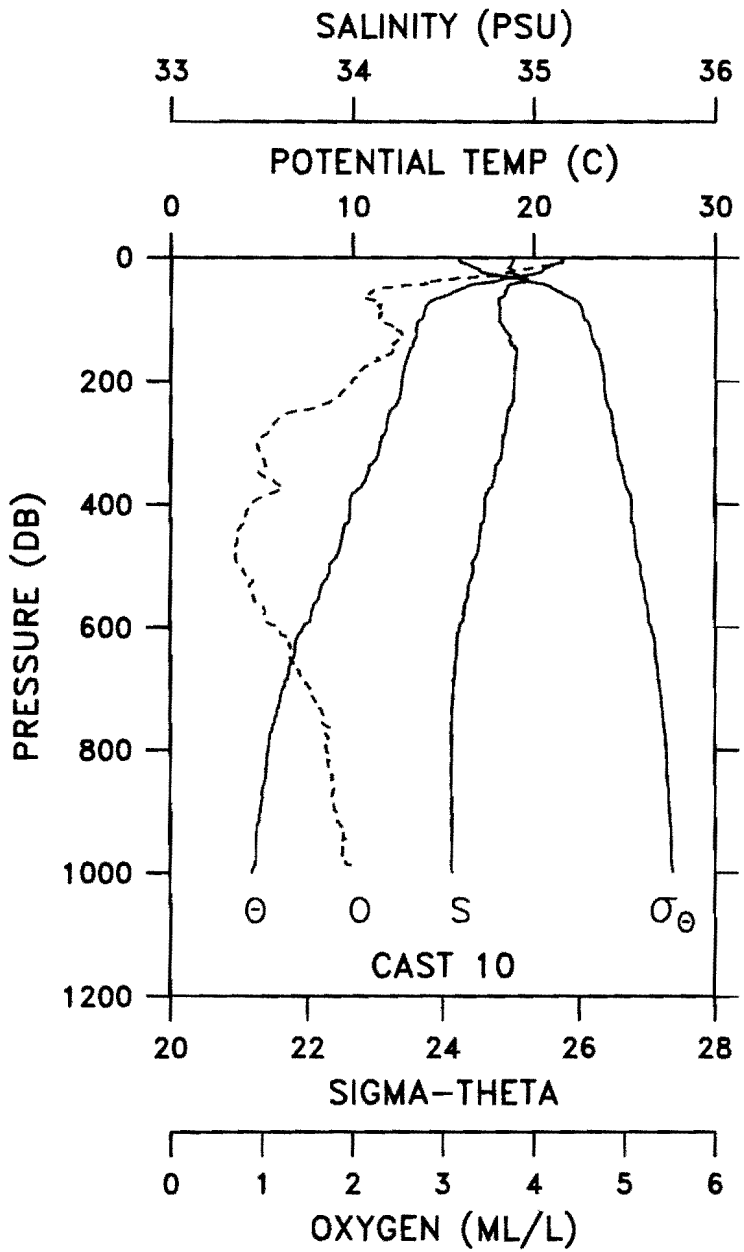
CAST EP2-88-OC -009 DATE 26 JUN 88 TIME 0120 GMT
LAT 00 09.1N LONG 124 24.9W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 100 T SPD 12 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 22.3 WET 21.1 DEPTH 4567 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	21.733	34.877	4.21	24.200	0.000
10	21.514	34.890	4.16	24.270	0.037
20	20.567	34.877	3.66	24.519	0.072
30	19.558	34.915	3.27	24.814	0.105
40	17.736	34.969	2.75	25.314	0.134
50	16.016	34.856	2.14	25.634	0.158
60	15.241	34.831	2.11	25.789	0.181
70	14.157	34.806	2.29	26.004	0.202
80	14.022	34.816	2.21	26.041	0.222
90	13.926	34.812	2.27	26.058	0.242
100	13.749	34.805	2.28	26.090	0.261
110	13.473	34.826	2.39	26.163	0.280
120	13.456	34.842	2.43	26.179	0.299
130	13.416	34.855	2.49	26.197	0.318
140	13.350	34.858	2.44	26.213	0.336
150	13.287	34.890	2.44	26.250	0.354
160	13.118	34.901	2.42	26.293	0.372
170	12.989	34.898	2.24	26.316	0.389
180	12.880	34.894	2.12	26.335	0.407
190	12.817	34.891	2.03	26.346	0.424
200	12.743	34.890	2.00	26.359	0.441
250	12.002	34.851	1.29	26.473	0.525
300	11.641	34.829	0.99	26.525	0.605
350	10.868	34.784	0.95	26.632	0.681
400	9.853	34.728	0.89	26.765	0.752
450	9.465	34.702	0.73	26.809	0.820
500	8.760	34.665	0.74	26.895	0.885
550	8.173	34.636	0.91	26.963	0.946
600	7.307	34.596	1.17	27.057	1.004
650	6.773	34.577	1.30	27.117	1.057
700	6.238	34.560	1.49	27.175	1.108
750	5.845	34.551	1.69	27.218	1.156
800	5.422	34.549	1.73	27.268	1.202
900	5.020	34.550	1.78	27.317	1.290
1000	4.684	34.551	1.93	27.356	1.374
1500	2.985	34.602	2.10	27.569	1.726
1944	2.277	34.633	2.37	27.655	1.978

CAST EP2-88-OC -010 DATE 26 JUN 88 TIME 0341 GMT

LAT 00 09.1N LONG 124 22.7W



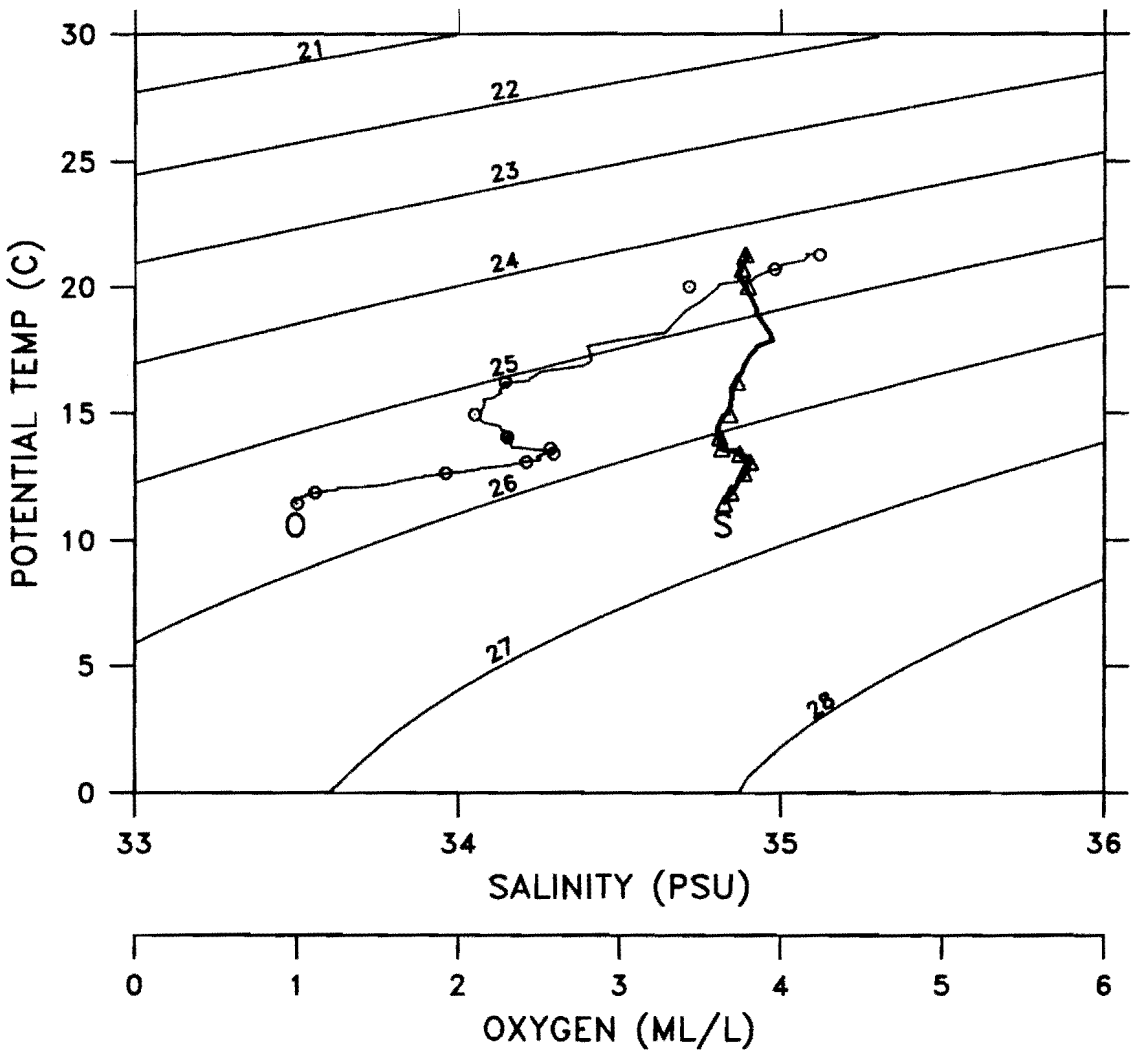


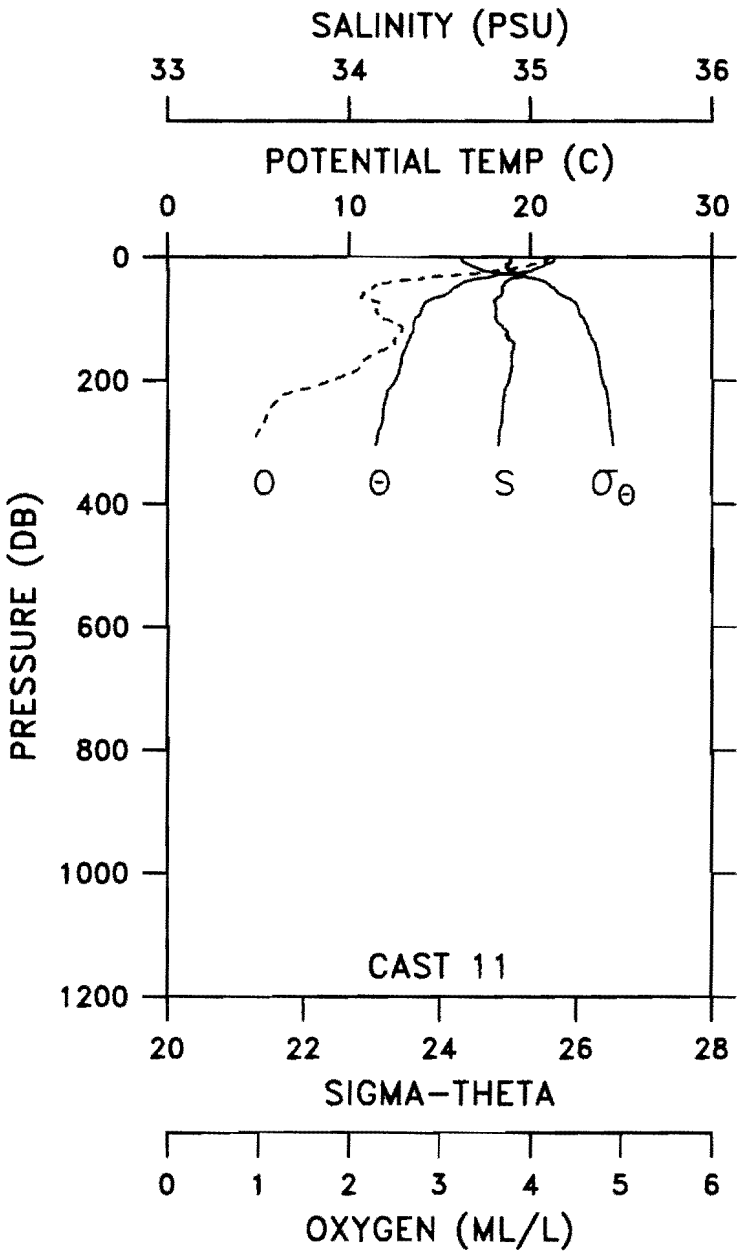
CAST EP2-88-OC -010 DATE 26 JUN 88 TIME 0341 GMT
LAT 00 09.1N LONG 124 22.7W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 085 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 21.5 WET 20.0 DEPTH 4610 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	21.626	34.887	4.30	24.237	0.000
10	21.157	34.875	4.22	24.358	0.037
20	20.513	34.876	3.78	24.533	0.071
30	19.234	34.920	3.38	24.901	0.104
40	17.565	34.923	2.78	25.321	0.132
50	16.064	34.851	2.29	25.620	0.157
60	15.339	34.841	2.16	25.775	0.180
70	14.343	34.802	2.31	25.963	0.201
80	14.046	34.811	2.30	26.032	0.222
90	13.948	34.810	2.31	26.052	0.241
100	13.824	34.810	2.31	26.078	0.261
110	13.537	34.826	2.43	26.149	0.280
120	13.521	34.851	2.54	26.172	0.299
130	13.467	34.866	2.53	26.195	0.318
140	13.324	34.870	2.45	26.227	0.336
150	13.158	34.904	2.45	26.287	0.354
160	13.031	34.903	2.29	26.312	0.371
170	12.935	34.897	2.21	26.327	0.389
180	12.841	34.895	2.11	26.344	0.406
190	12.765	34.894	2.04	26.359	0.423
200	12.725	34.894	2.00	26.366	0.440
250	12.048	34.856	1.33	26.469	0.525
300	11.499	34.826	0.95	26.549	0.604
350	10.818	34.783	0.97	26.640	0.680
400	9.847	34.728	0.87	26.766	0.751
450	9.447	34.702	0.73	26.812	0.818
500	8.731	34.665	0.76	26.899	0.883
550	8.160	34.638	0.91	26.966	0.944
600	7.298	34.592	1.17	27.056	1.001
650	6.721	34.575	1.31	27.122	1.054
700	6.162	34.560	1.52	27.184	1.104
750	5.698	34.552	1.66	27.237	1.152
800	5.342	34.551	1.71	27.279	1.197
900	4.910	34.551	1.83	27.330	1.284
1000	4.455	34.556	2.00	27.385	1.366
1500	2.987	34.603	2.11	27.570	1.713
2000	2.269	34.635	2.39	27.658	1.996
2500	1.720	34.661	2.79	27.722	2.244
3000	1.485	34.672	3.09	27.748	2.477
3500	1.255	34.686	3.42	27.775	2.703
4000	1.116	34.692	3.68	27.790	2.920
4500	1.108	34.693	3.79	27.792	3.143
4664	1.107	34.693	3.82	27.792	3.218

CAST EP2-88-OC -011 DATE 26 JUN 88 TIME 0609 GMT

LAT 00 08.7N LONG 124 22.3W



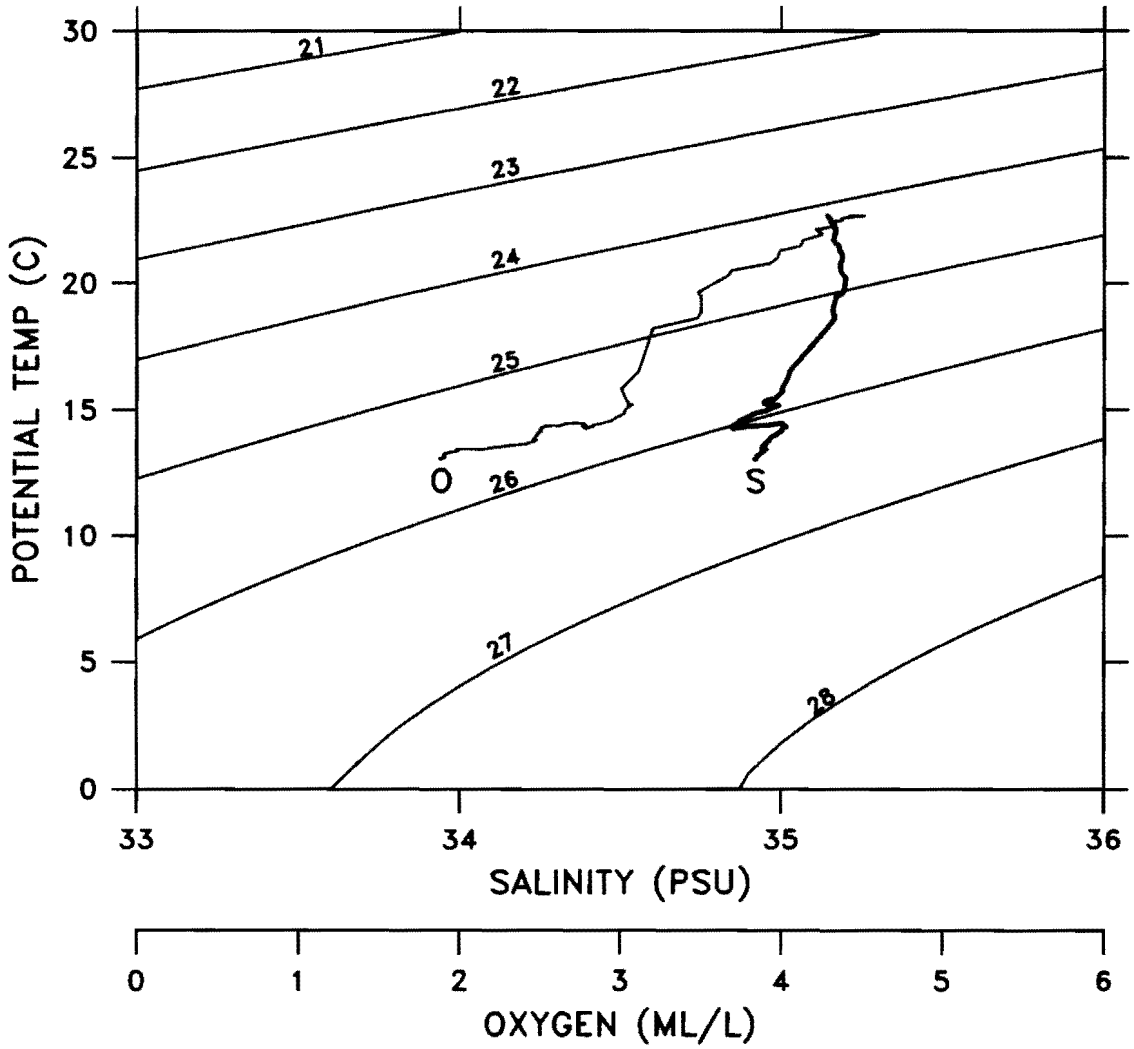


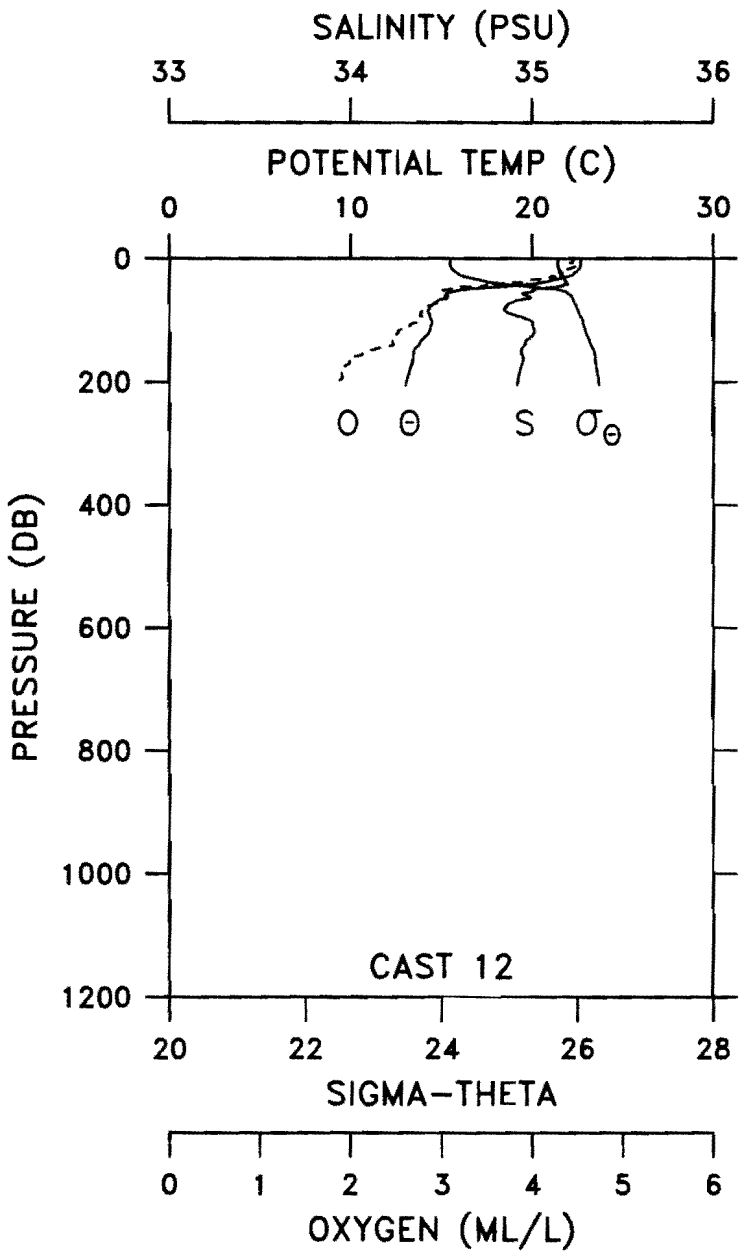
CAST EP2-88-OC -011 DATE 26 JUN 88 TIME 0609 GMT
LAT 00 08.7N LONG 124 22.3W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 085 T SPD 08 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 21.7 WET 21.0 DEPTH 4616 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	21.308	34.892	4.19	24.329	0.000
10	21.070	34.893	4.14	24.395	0.036
20	20.209	34.879	3.73	24.615	0.070
30	18.076	34.968	3.15	25.230	0.101
40	16.375	34.863	2.44	25.557	0.127
50	15.789	34.849	2.27	25.680	0.150
60	15.397	34.842	2.16	25.763	0.173
70	14.430	34.802	2.26	25.943	0.195
80	14.050	34.811	2.28	26.032	0.215
90	13.947	34.810	2.30	26.052	0.235
100	13.639	34.813	2.36	26.118	0.254
110	13.525	34.843	2.54	26.166	0.273
120	13.529	34.875	2.57	26.189	0.292
130	13.352	34.884	2.51	26.233	0.310
140	13.166	34.909	2.49	26.290	0.328
150	13.060	34.907	2.40	26.309	0.346
160	12.892	34.897	2.22	26.335	0.363
170	12.838	34.897	2.15	26.346	0.380
180	12.767	34.895	2.11	26.359	0.397
190	12.666	34.888	1.97	26.374	0.414
200	12.518	34.883	1.79	26.399	0.431
250	11.873	34.847	1.11	26.495	0.512
300	11.503	34.826	0.99	26.548	0.591
304	11.452	34.824	0.99	26.557	0.597

CAST EP2-88-OC -012 DATE 27 JUN 88 TIME 0505 GMT

LAT 00 01.4N LONG 119 59.8W



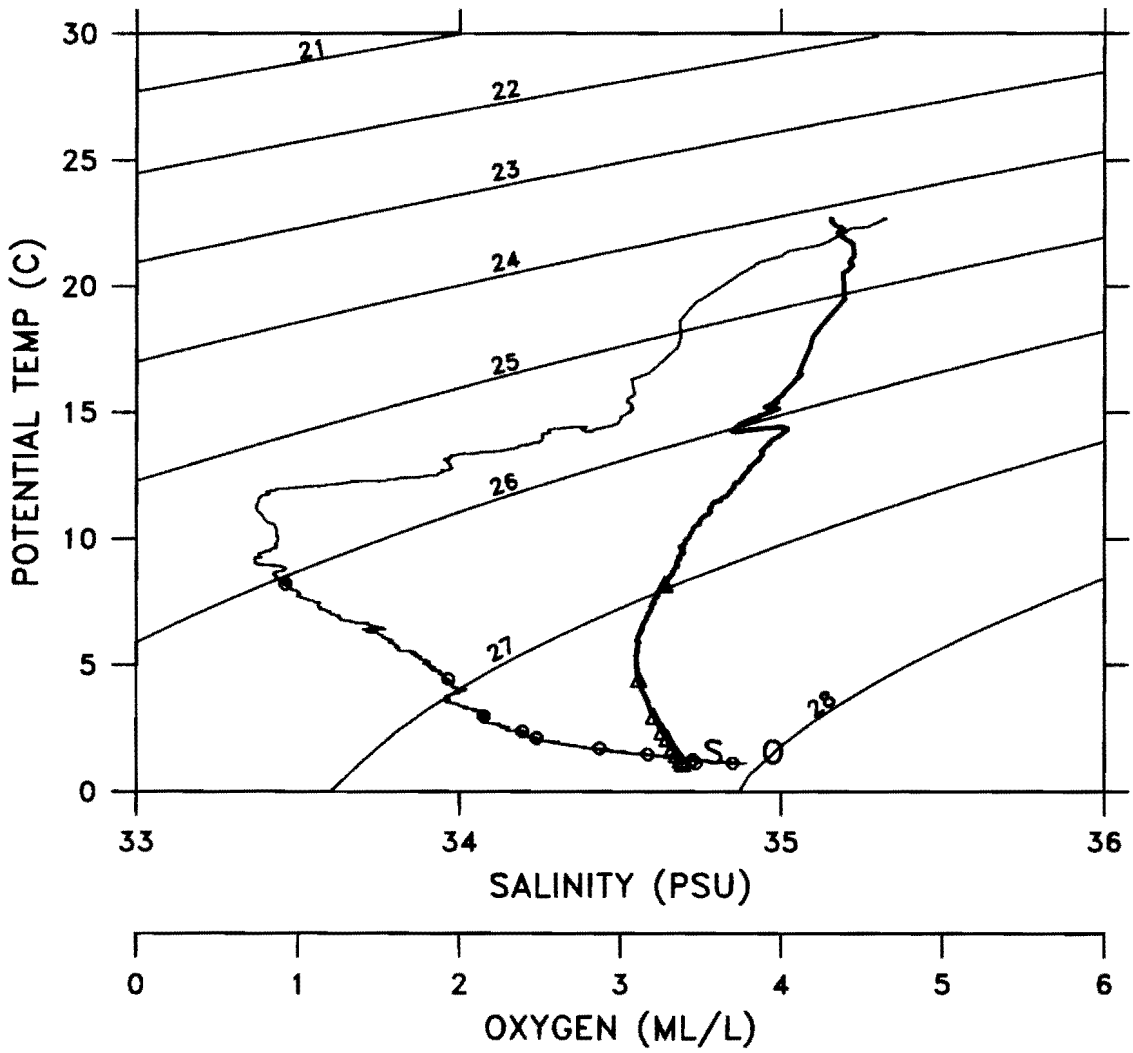


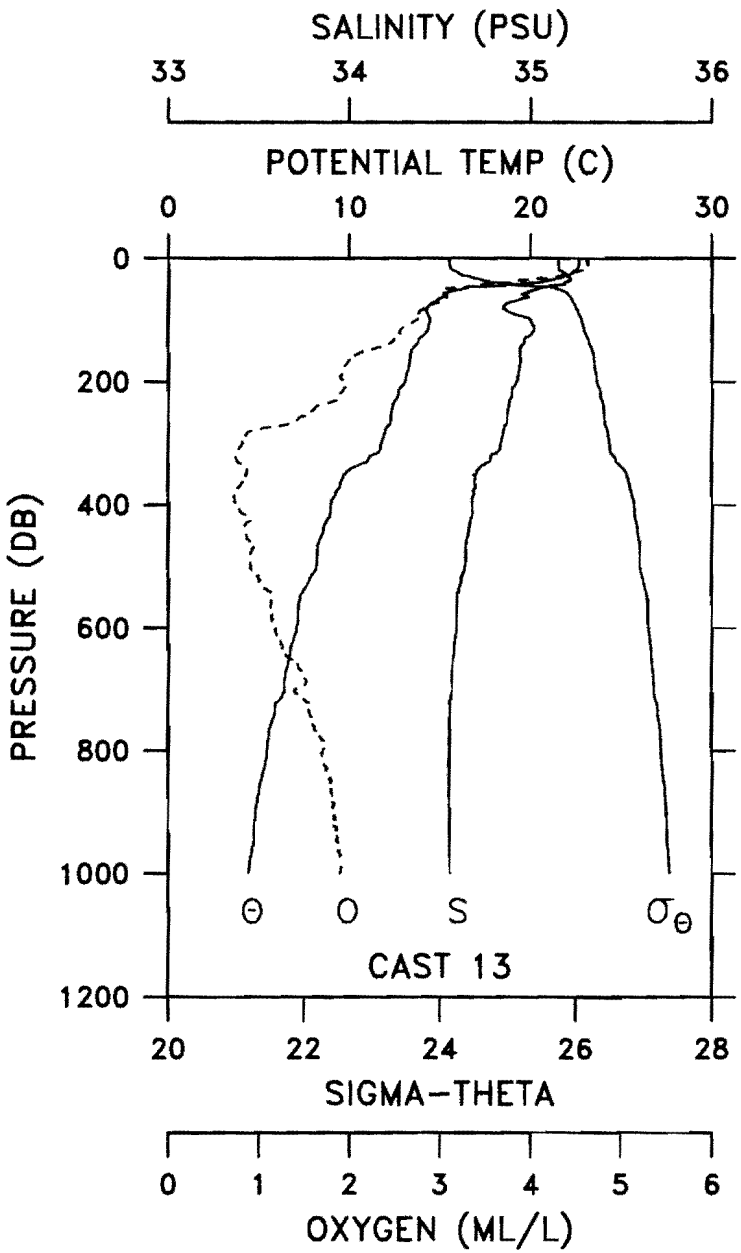
CAST EP2-88-OC -012 DATE 27 JUN 88 TIME 0505 GMT
LAT 00 01.4N LONG 119 59.8W WEATHER SEA STATE
BAROMETER WIND DIR T SPD KT VISIBILITY
CLOUD AMOUNT DRY WET DEPTH 4179 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.716	35.143	4.45	24.125	0.000
10	22.718	35.142	4.49	24.124	0.038
20	22.537	35.153	4.38	24.184	0.076
30	21.971	35.165	4.25	24.353	0.112
40	20.305	35.192	3.67	24.829	0.146
50	16.348	35.024	3.09	25.687	0.173
60	15.198	34.973	3.08	25.908	0.195
70	14.736	34.901	2.99	25.954	0.216
80	14.343	34.850	2.82	25.999	0.236
90	14.313	34.886	2.77	26.033	0.256
100	14.454	34.990	2.76	26.084	0.276
110	14.391	35.006	2.63	26.110	0.295
120	14.308	35.014	2.53	26.133	0.314
130	14.007	34.985	2.49	26.175	0.333
140	13.775	34.961	2.47	26.204	0.352
150	13.470	34.939	2.17	26.251	0.370
160	13.433	34.952	2.02	26.268	0.388
170	13.365	34.945	1.98	26.277	0.406
180	13.258	34.935	1.92	26.291	0.423
190	13.149	34.925	1.91	26.306	0.441
200	13.062	34.920	1.88	26.319	0.459
205	13.037	34.918	1.89	26.322	0.467

CAST EP2-88-OC -013 DATE 27 JUN 88 TIME 0741 GMT

LAT 00 01.4N LONG 119 59.8W



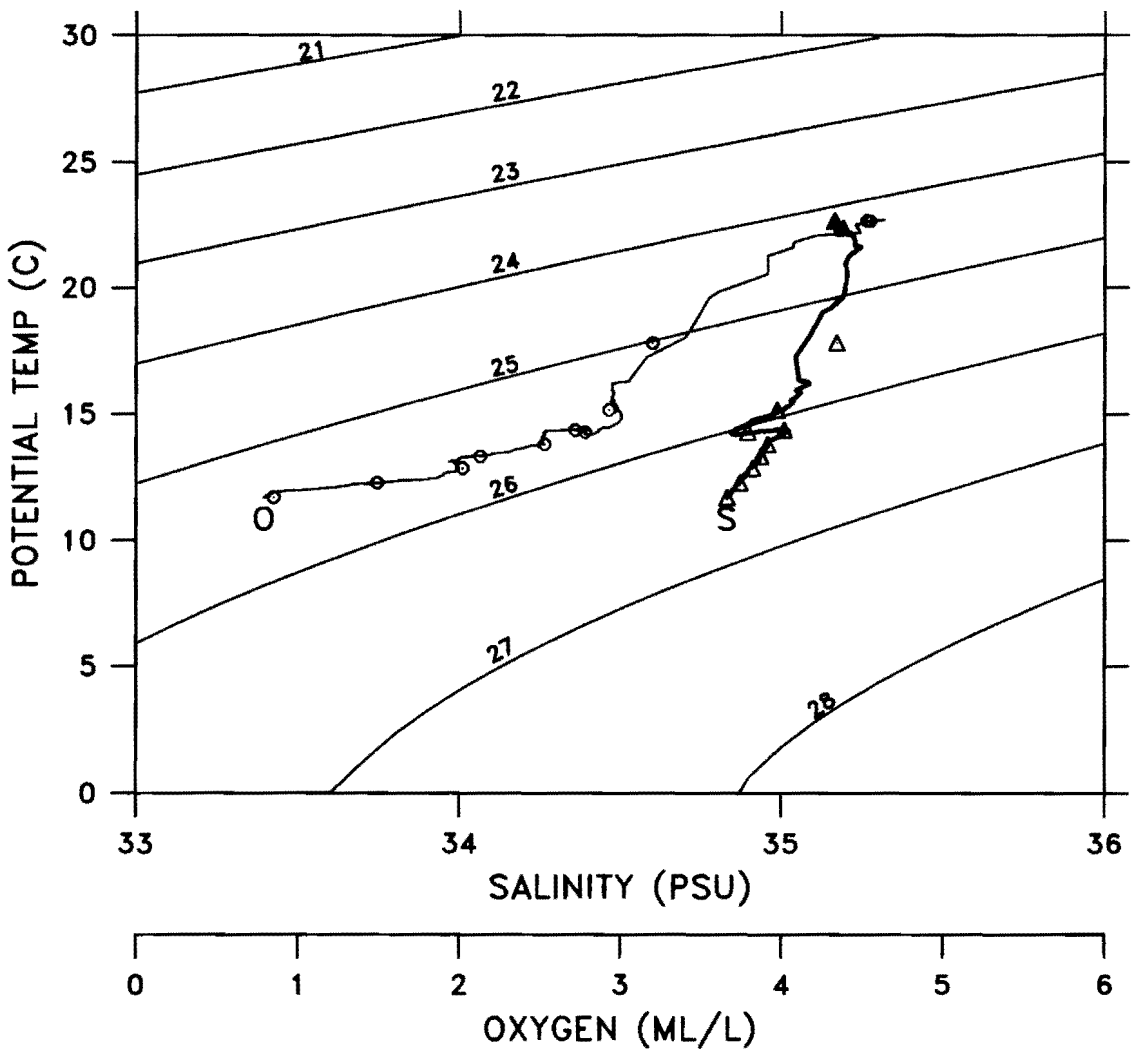


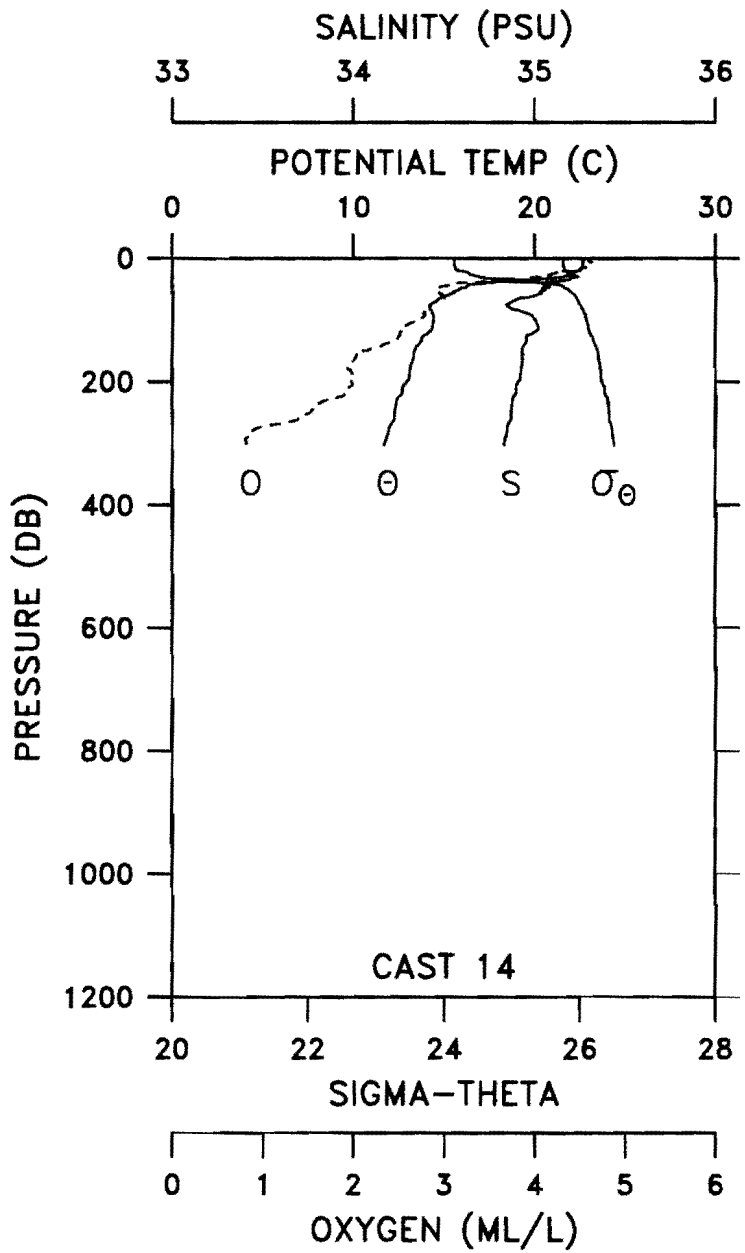
CAST EP2-88-OC -013 DATE 27 JUN 88 TIME 0741 GMT
LAT 00 01.4N LONG 119 59.8W WEATHER 0 SEA STATE 3
BAROMETER 14 WIND DIR 120 T SPD 15 KT VISIBILITY 8
CLOUD X AMOUNT 1 DRY 22.4 WET 21.5 DEPTH 4193 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.709	35.152	4.64	24.134	0.000
10	22.704	35.153	4.64	24.136	0.038
20	22.466	35.162	4.55	24.211	0.075
30	21.796	35.212	4.29	24.438	0.112
40	19.998	35.193	3.63	24.911	0.145
50	16.221	35.040	3.07	25.728	0.171
60	15.178	34.965	3.06	25.906	0.193
70	14.735	34.904	3.00	25.956	0.213
80	14.291	34.846	2.83	26.007	0.234
90	14.323	34.908	2.76	26.048	0.254
100	14.440	34.999	2.75	26.093	0.273
110	14.372	35.016	2.62	26.122	0.292
120	14.248	35.009	2.55	26.143	0.311
130	13.861	34.965	2.50	26.190	0.330
140	13.710	34.954	2.39	26.213	0.349
150	13.437	34.940	2.16	26.258	0.367
160	13.359	34.941	2.05	26.275	0.385
170	13.302	34.940	1.98	26.286	0.403
180	13.256	34.936	1.95	26.293	0.420
190	13.143	34.930	1.90	26.311	0.438
200	13.073	34.923	1.93	26.319	0.455
250	12.314	34.871	1.55	26.429	0.540
300	11.760	34.834	0.82	26.506	0.622
350	9.781	34.696	0.85	26.752	0.697
400	8.981	34.676	0.76	26.868	0.762
450	8.472	34.651	0.86	26.929	0.824
500	8.214	34.637	0.91	26.957	0.883
550	7.314	34.597	1.12	27.058	0.940
600	7.126	34.592	1.20	27.080	0.994
650	6.689	34.573	1.35	27.125	1.047
700	6.422	34.569	1.41	27.158	1.098
750	5.767	34.554	1.60	27.230	1.146
800	5.453	34.552	1.71	27.267	1.192
900	4.835	34.553	1.83	27.340	1.279
1000	4.443	34.557	1.90	27.387	1.360
1500	2.955	34.603	2.17	27.573	1.708
2000	2.102	34.644	2.45	27.678	1.987
2500	1.702	34.662	2.84	27.724	2.234
3000	1.454	34.674	3.15	27.752	2.466
3500	1.236	34.687	3.46	27.778	2.691
4000	1.118	34.693	3.71	27.791	2.907
4248	1.118	34.693	3.75	27.791	3.016

CAST EP2-88-OC -014 DATE 27 JUN 88 TIME 0952 GMT

LAT 00 02.4N LONG 119 59.7W



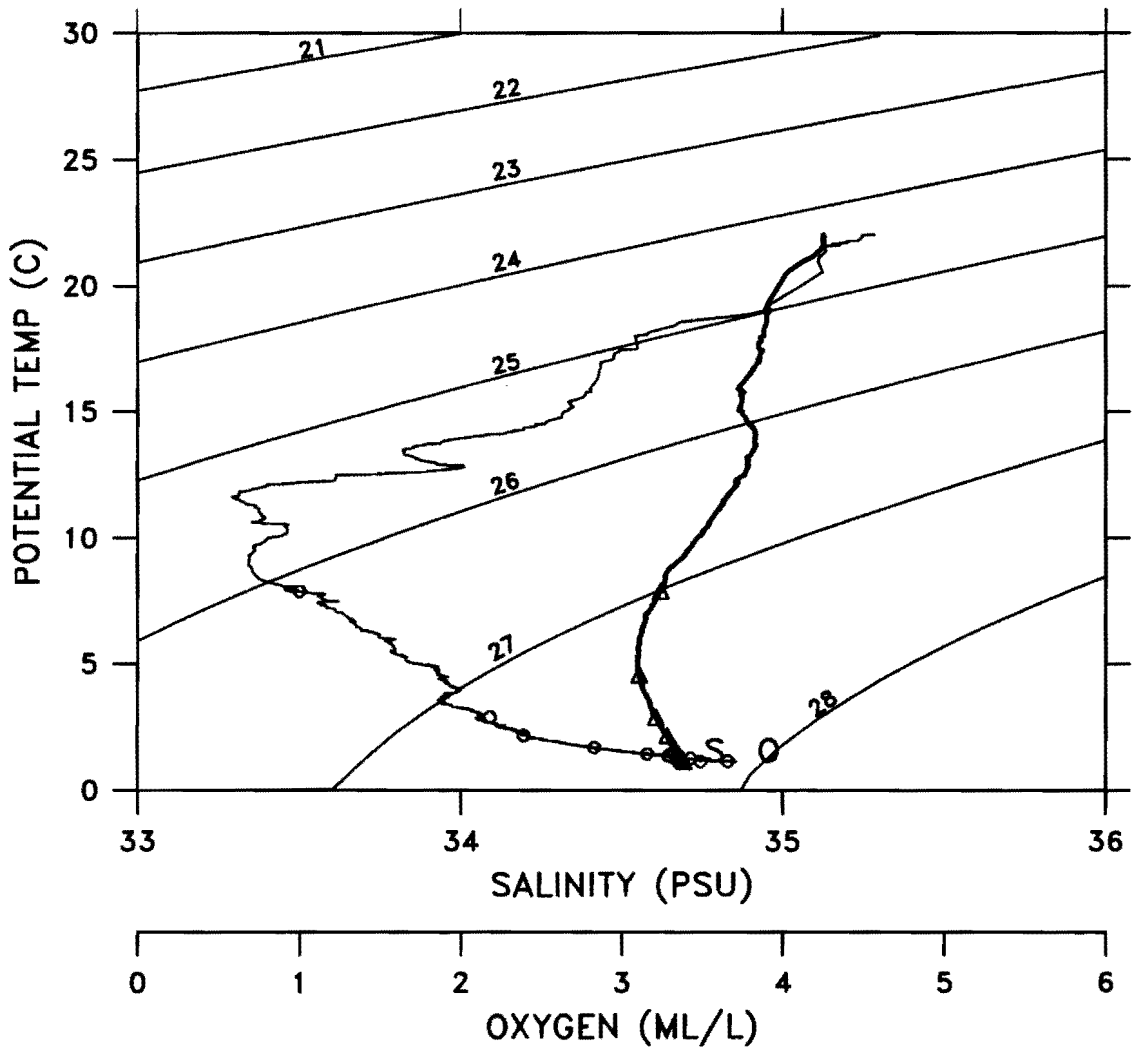


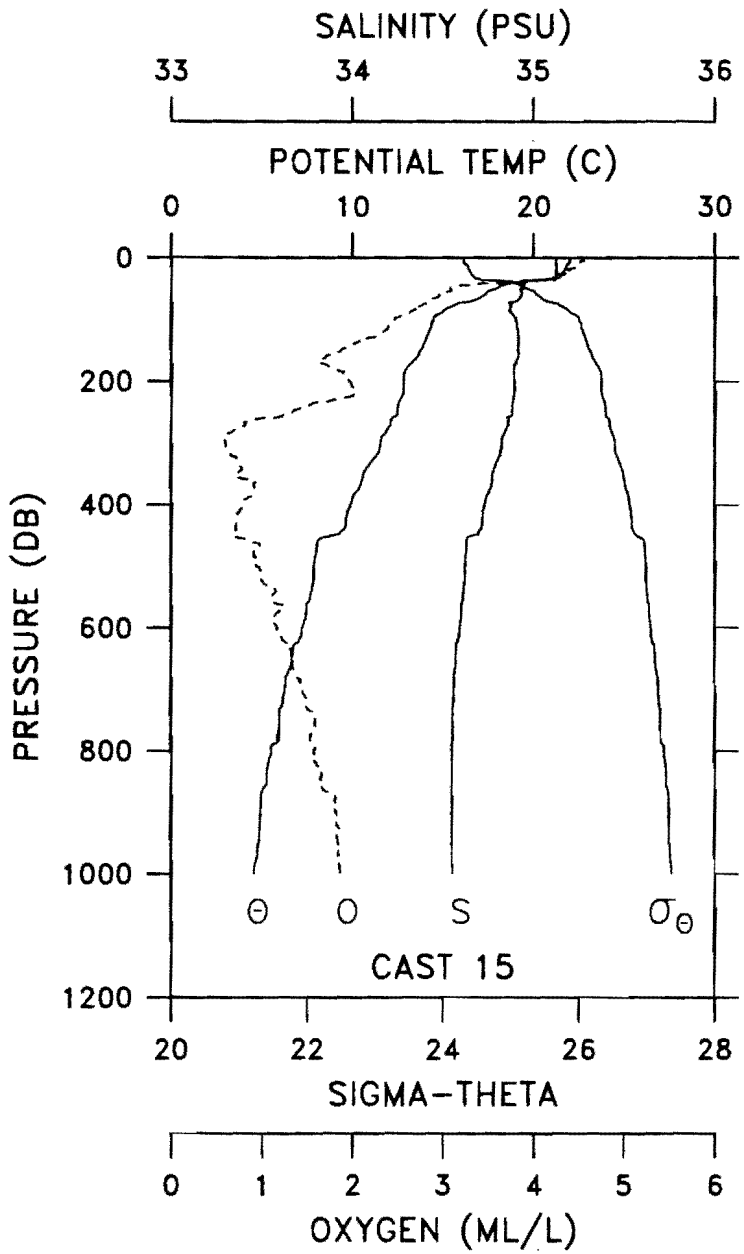
CAST EP2-88-OC -014 DATE 27 JUN 88 TIME 0952 GMT
LAT 00 02.4N LONG 119 59.7W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 120 T SPD 12 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 22.2 WET 21.2 DEPTH 4181 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.678	35.159	4.63	24.148	0.000
10	22.678	35.158	4.64	24.148	0.038
20	22.487	35.159	4.46	24.202	0.075
30	21.614	35.247	4.08	24.515	0.111
40	17.254	35.044	3.17	25.488	0.140
50	15.848	35.062	2.95	25.831	0.163
60	15.184	35.008	2.98	25.938	0.184
70	14.509	34.878	2.94	25.986	0.205
80	14.206	34.865	2.80	26.040	0.225
90	14.371	34.970	2.79	26.086	0.245
100	14.400	35.006	2.69	26.107	0.264
110	14.357	35.020	2.58	26.128	0.283
120	14.139	34.992	2.53	26.153	0.302
130	13.786	34.955	2.49	26.198	0.321
140	13.590	34.944	2.34	26.230	0.339
150	13.361	34.934	2.08	26.269	0.357
160	13.317	34.935	2.04	26.279	0.375
170	13.195	34.931	1.98	26.300	0.393
180	13.129	34.925	1.96	26.309	0.410
190	13.092	34.921	2.00	26.313	0.428
200	12.948	34.909	1.98	26.334	0.445
250	12.299	34.871	1.52	26.432	0.530
300	11.741	34.831	0.82	26.508	0.611
303	11.722	34.832	0.79	26.512	0.616

CAST EP2-88-OC -015 DATE 28 JUN 88 TIME 0707 GMT

LAT 00 00.3S LONG 114 59.8W



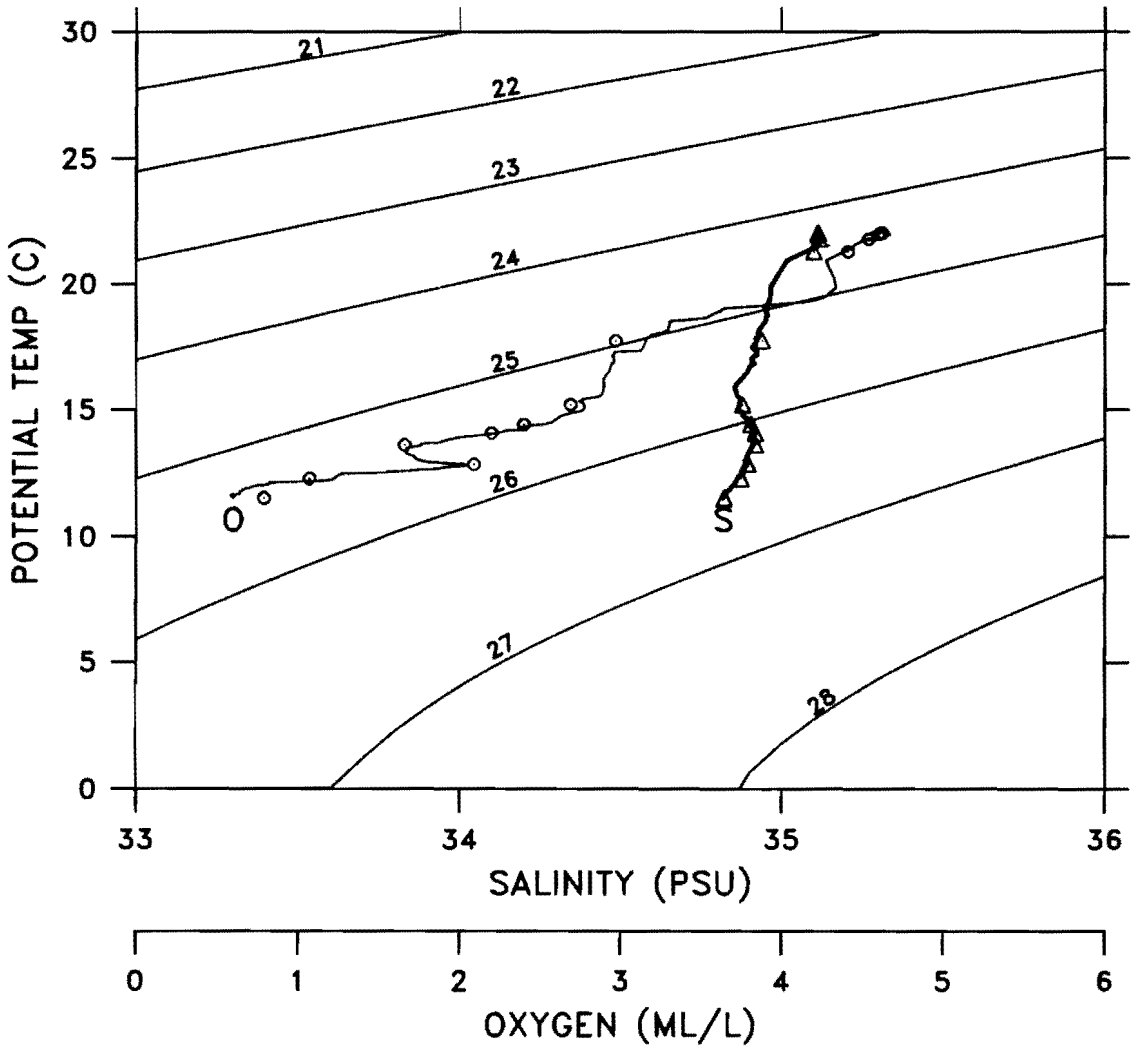


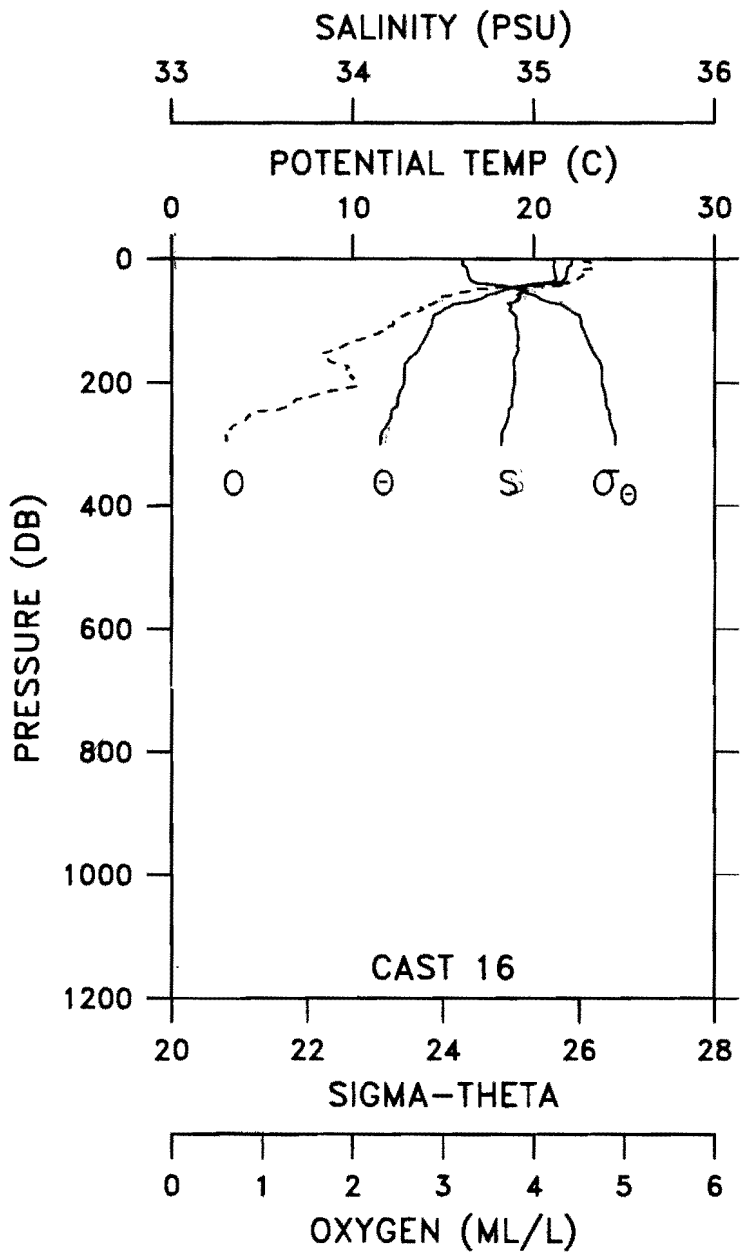
CAST EP2-88-OC -015 DATE 28 JUN 88 TIME 0707 GMT
LAT 00 00.3S LONG 114 59.8W WEATHER 1 SEA STATE 1
BAROMETER 14 WIND DIR 130 T SPD 06 KT VISIBILITY 8
CLOUD 7 AMOUNT 6 DRY 21.8 WET 21.0 DEPTH 4028 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.028	35.127	4.55	24.308	0.000
10	21.948	35.131	4.50	24.333	0.036
20	21.729	35.125	4.39	24.390	0.072
30	21.522	35.123	4.26	24.446	0.107
40	18.876	34.952	3.80	25.017	0.140
50	17.962	34.931	3.09	25.229	0.168
60	17.299	34.932	2.95	25.392	0.194
70	16.663	34.911	2.86	25.526	0.220
80	15.386	34.874	2.67	25.790	0.243
90	14.861	34.876	2.63	25.908	0.265
100	14.477	34.903	2.47	26.011	0.285
110	14.347	34.908	2.40	26.044	0.305
120	14.227	34.915	2.35	26.074	0.325
130	14.084	34.915	2.17	26.105	0.344
140	13.924	34.914	1.99	26.137	0.364
150	13.754	34.913	1.88	26.172	0.382
160	13.588	34.915	1.71	26.208	0.401
170	13.273	34.900	1.65	26.261	0.419
180	12.979	34.892	1.83	26.314	0.437
190	12.853	34.893	1.93	26.340	0.454
200	12.847	34.895	1.97	26.343	0.472
250	12.480	34.882	1.34	26.405	0.557
300	11.563	34.825	0.60	26.536	0.638
350	10.635	34.775	0.73	26.666	0.714
400	9.909	34.728	0.79	26.756	0.785
450	8.903	34.663	0.68	26.870	0.852
500	7.876	34.623	0.94	26.996	0.910
550	7.668	34.611	1.11	27.018	0.967
600	7.230	34.593	1.16	27.066	1.022
650	6.645	34.573	1.34	27.131	1.075
700	6.259	34.563	1.44	27.174	1.125
750	5.967	34.557	1.59	27.207	1.174
800	5.520	34.555	1.57	27.261	1.221
900	4.926	34.550	1.81	27.327	1.308
1000	4.578	34.555	1.87	27.370	1.392
1500	2.931	34.604	2.13	27.576	1.743
2000	2.188	34.639	2.40	27.668	2.023
2500	1.685	34.663	2.84	27.726	2.269
3000	1.438	34.675	3.15	27.754	2.501
3500	1.259	34.685	3.42	27.775	2.726
4000	1.142	34.692	3.67	27.788	2.943
4072	1.132	34.692	3.71	27.789	2.975

CAST EP2-88-OC -016 DATE 28 JUN 88 TIME 1002 GMT

LAT 00 00.1N LONG 114 58.7W



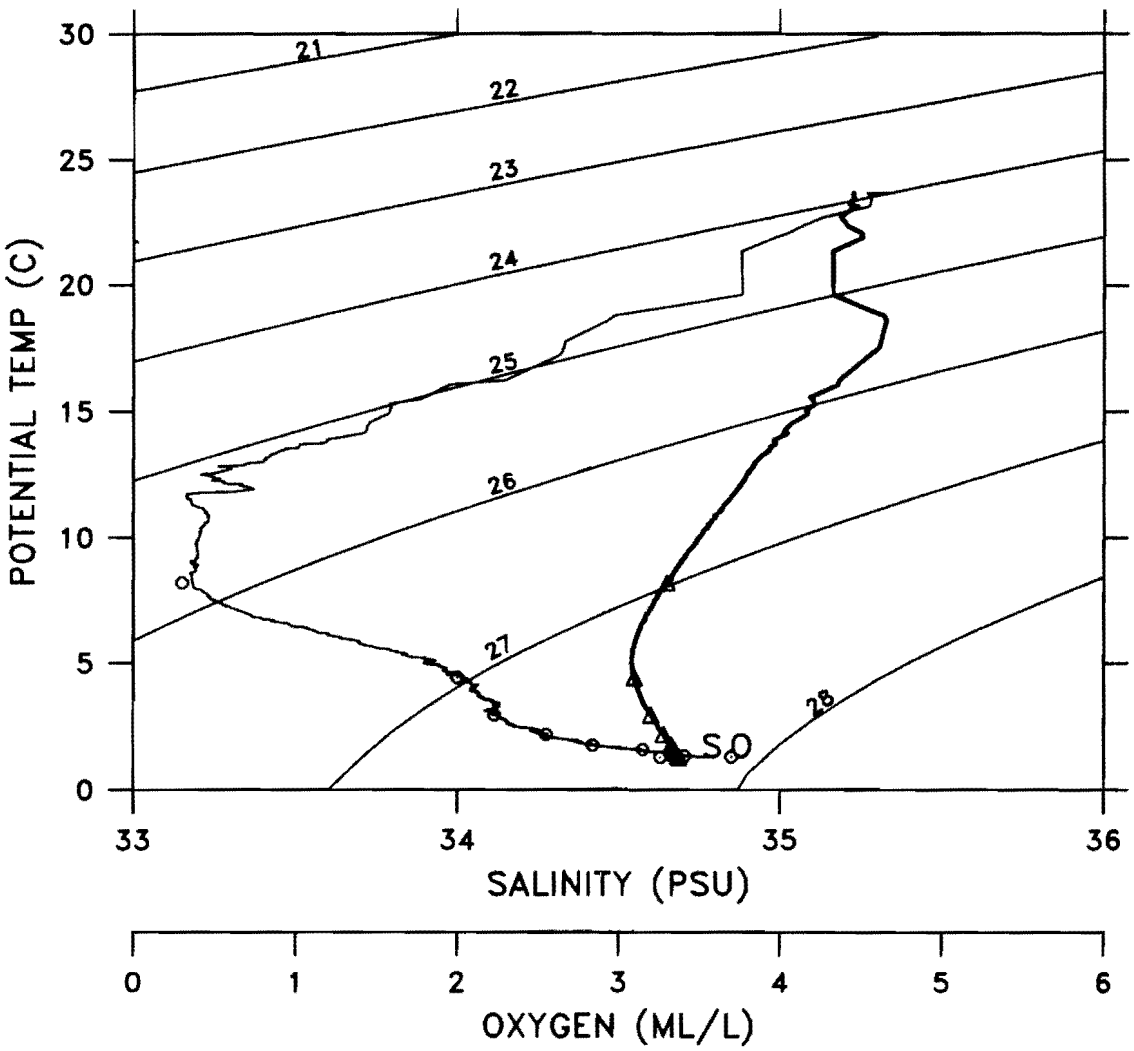


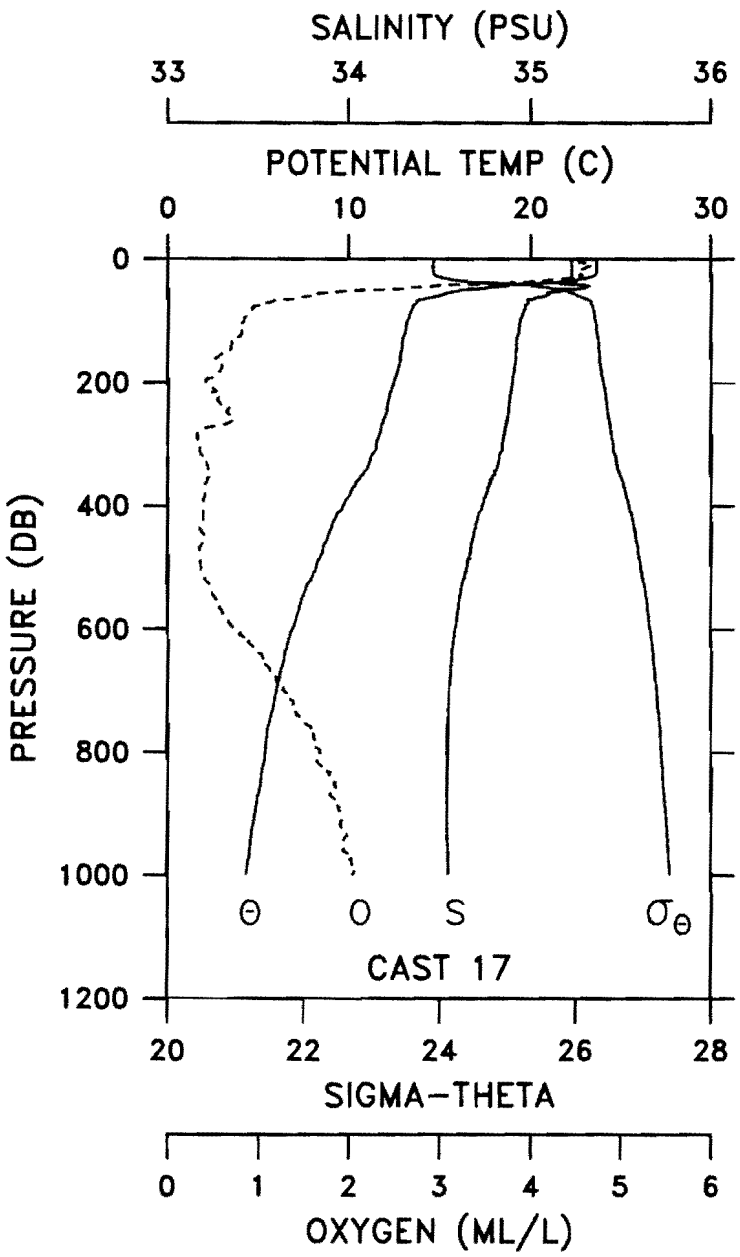
CAST EP2-88-OC -016 DATE 28 JUN 88 TIME 1002 GMT
LAT 00 00.1N LONG 114 58.7W WEATHER 2 SEA STATE 3
BAROMETER 13 WIND DIR 100 T SPD 04 KT VISIBILITY 8
CLOUD 8 AMOUNT 7 DRY 21.9 WET 21.0 DEPTH 4047 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.080	35.114	4.55	24.283	0.000
10	22.042	35.109	4.67	24.291	0.036
20	21.817	35.113	4.55	24.356	0.072
30	21.755	35.124	4.50	24.381	0.108
40	20.950	35.017	4.27	24.522	0.143
50	18.425	34.944	3.31	25.125	0.173
60	17.332	34.922	3.05	25.376	0.201
70	16.445	34.890	2.92	25.562	0.226
80	15.167	34.868	2.77	25.834	0.249
90	14.519	34.897	2.58	25.998	0.270
100	14.388	34.902	2.46	26.030	0.290
110	14.318	34.903	2.40	26.046	0.310
120	14.157	34.912	2.28	26.087	0.330
130	13.964	34.913	2.09	26.128	0.349
140	13.765	34.908	1.91	26.166	0.368
150	13.566	34.910	1.75	26.208	0.386
160	13.195	34.894	1.70	26.272	0.405
170	12.889	34.888	1.88	26.329	0.422
180	12.855	34.891	1.93	26.338	0.439
190	12.854	34.892	1.97	26.339	0.457
200	12.842	34.892	2.03	26.342	0.474
250	12.132	34.859	0.88	26.455	0.558
300	11.521	34.819	0.60	26.540	0.638
301	11.513	34.818	0.60	26.540	0.639

CAST EP2-88-OC -017 DATE 28 JUN 88 TIME 1455 GMT

LAT 05 04.3S LONG 109 47.2W



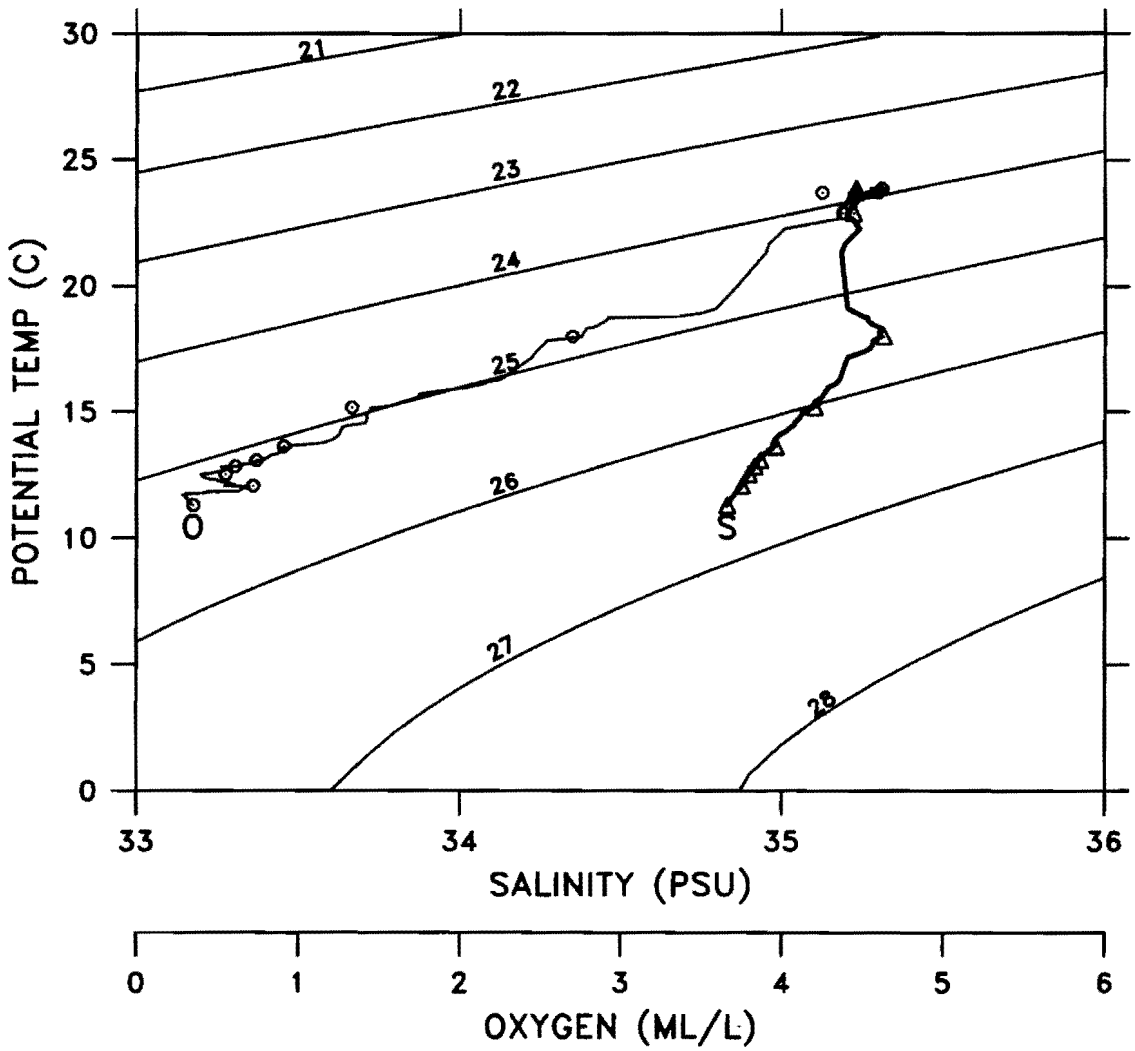


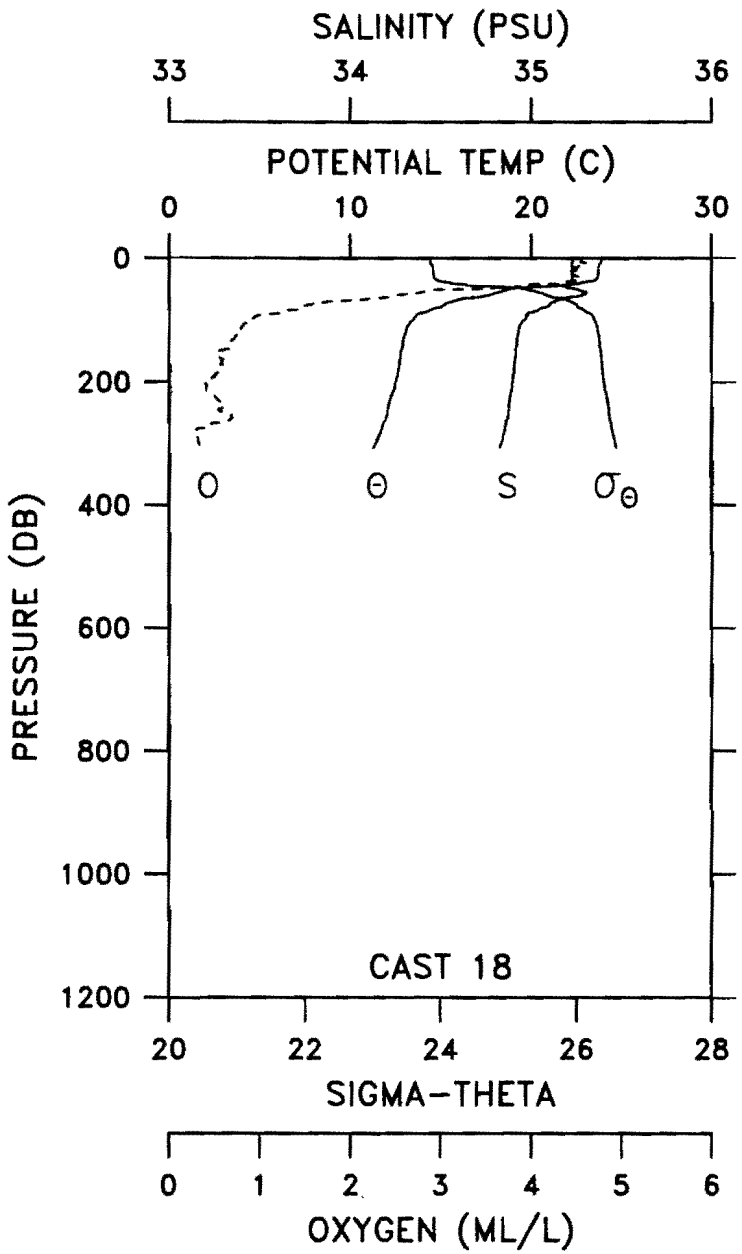
CAST EP2-88-OC -017 DATE 28 JUN 88 TIME 1455 GMT
LAT 05 04.3S LONG 109 47.2W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 115 T SPD 12 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 24.4 WET 22.0 DEPTH 3470 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.697	35.227	4.54	23.904	0.000
10	23.700	35.227	4.66	23.904	0.040
20	23.696	35.227	4.54	23.905	0.080
30	23.236	35.216	4.55	24.030	0.120
40	19.633	35.164	3.77	24.984	0.156
50	16.223	35.181	2.30	25.837	0.181
60	14.912	35.086	1.58	26.058	0.201
70	13.718	34.984	1.14	26.234	0.220
80	13.512	34.969	0.94	26.265	0.238
90	13.344	34.952	0.88	26.286	0.255
100	13.217	34.940	0.84	26.303	0.273
110	13.150	34.935	0.82	26.313	0.290
120	13.096	34.933	0.82	26.322	0.308
130	12.959	34.923	0.72	26.342	0.325
140	12.927	34.920	0.70	26.346	0.342
150	12.866	34.916	0.67	26.356	0.359
160	12.826	34.916	0.53	26.363	0.376
170	12.790	34.913	0.58	26.368	0.393
180	12.685	34.907	0.58	26.384	0.410
190	12.584	34.904	0.51	26.402	0.426
200	12.477	34.897	0.44	26.417	0.443
250	12.051	34.874	0.67	26.482	0.524
300	11.507	34.843	0.34	26.561	0.603
350	10.785	34.799	0.46	26.658	0.678
400	9.672	34.731	0.39	26.798	0.748
450	8.850	34.684	0.38	26.895	0.812
500	8.207	34.650	0.36	26.968	0.872
550	7.420	34.611	0.52	27.053	0.929
600	6.896	34.583	0.73	27.105	0.982
650	6.424	34.567	1.07	27.156	1.033
700	5.994	34.556	1.29	27.203	1.082
750	5.623	34.546	1.49	27.242	1.129
800	5.368	34.543	1.68	27.270	1.174
900	4.809	34.542	1.93	27.334	1.261
1000	4.347	34.550	2.05	27.392	1.342
1500	2.944	34.601	2.23	27.572	1.688
2000	2.181	34.639	2.54	27.668	1.971
2500	1.737	34.663	2.88	27.722	2.223
3000	1.469	34.677	3.26	27.753	2.455
3500	1.292	34.686	3.56	27.773	2.678
3548	1.292	34.686	3.56	27.773	2.699

CAST EP2-88-OC -018 DATE 29 JUN 88 TIME 1855 GMT

LAT 05 08.4S LONG 109 49.1W



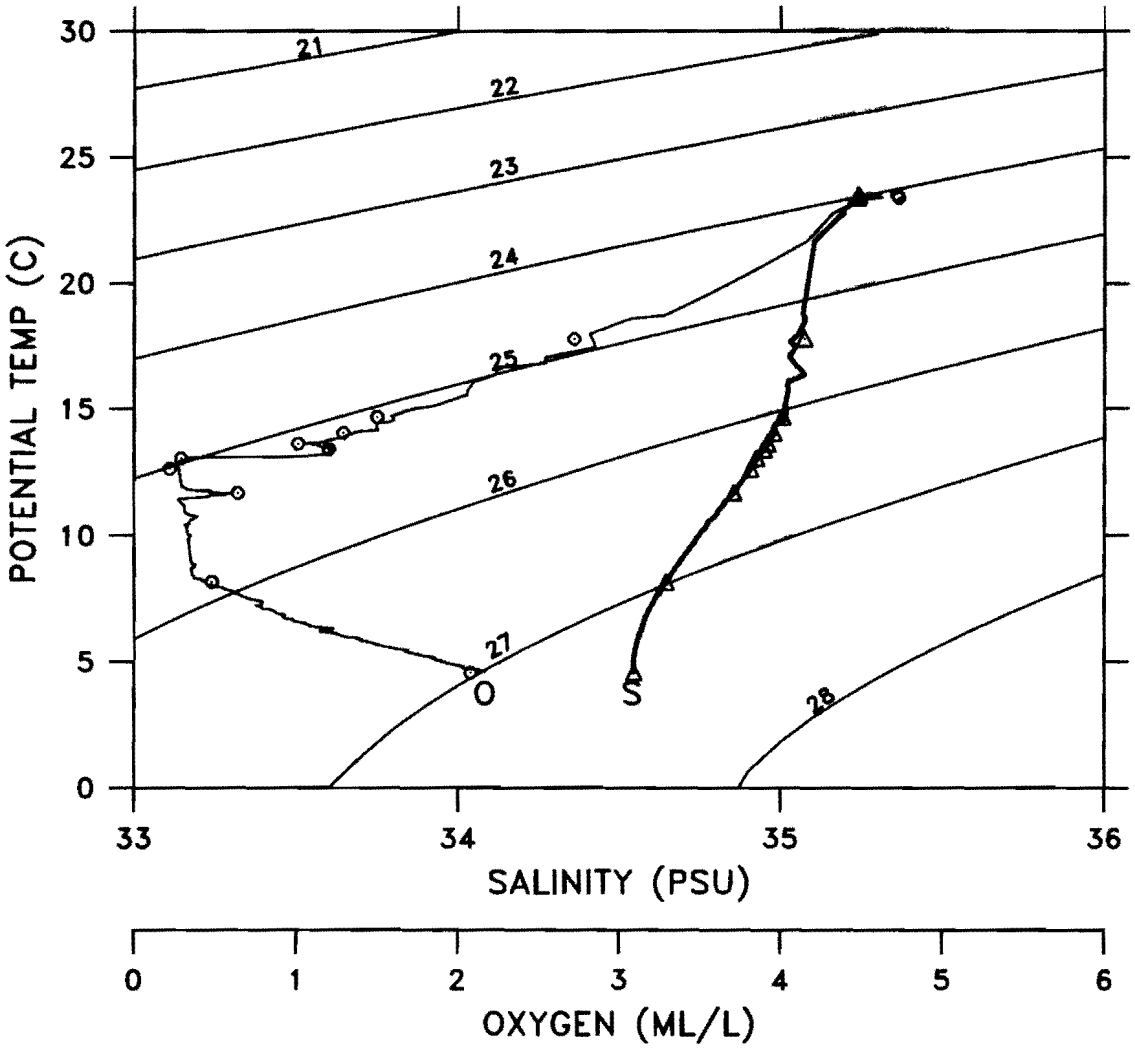


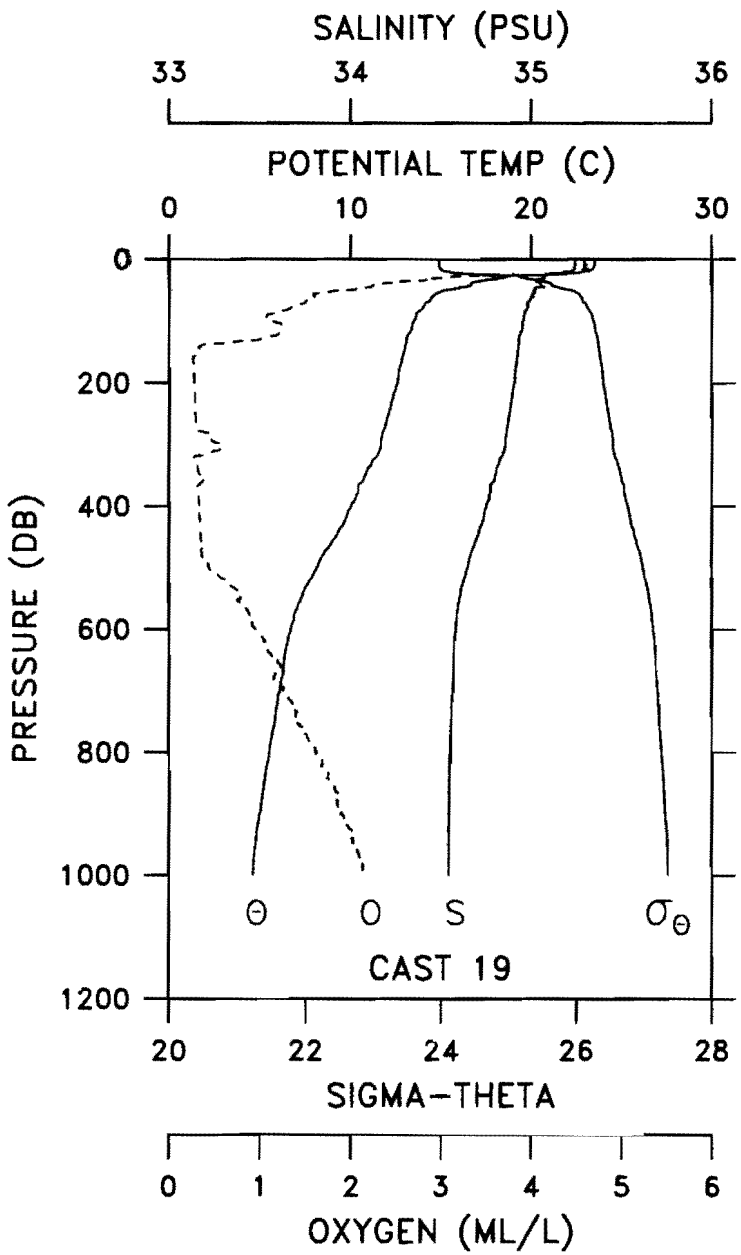
CAST EP2-88-OC -018 DATE 29 JUN 88 TIME 1855 GMT
LAT 05 08.4S LONG 109 49.1W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 111 T SPD 10 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 24.2 WET 22.6 DEPTH 3470 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.885	35.228	4.55	23.849	0.000
10	23.770	35.224	4.60	23.881	0.040
20	23.705	35.226	4.50	23.901	0.080
30	23.670	35.226	4.53	23.911	0.121
40	22.747	35.203	4.36	24.161	0.160
50	18.790	35.250	3.32	25.267	0.193
60	17.662	35.280	2.52	25.570	0.218
70	15.711	35.131	1.76	25.915	0.241
80	14.887	35.062	1.42	26.045	0.261
90	13.776	34.978	1.15	26.218	0.280
100	13.507	34.963	0.88	26.262	0.298
110	13.177	34.935	0.82	26.308	0.316
120	13.088	34.929	0.79	26.321	0.333
130	12.957	34.921	0.72	26.341	0.350
140	12.929	34.920	0.68	26.346	0.367
150	12.822	34.914	0.55	26.362	0.384
160	12.800	34.913	0.55	26.366	0.401
170	12.723	34.908	0.57	26.378	0.418
180	12.678	34.906	0.55	26.384	0.435
190	12.617	34.902	0.50	26.394	0.452
200	12.525	34.897	0.40	26.408	0.468
250	12.050	34.875	0.64	26.483	0.550
300	11.386	34.834	0.33	26.576	0.629
307	11.294	34.828	0.35	26.589	0.639

CAST EP2-88-OC -019 DATE 30 JUN 88 TIME 0235 GMT

LAT 04 00.3S LONG 109 59.5W



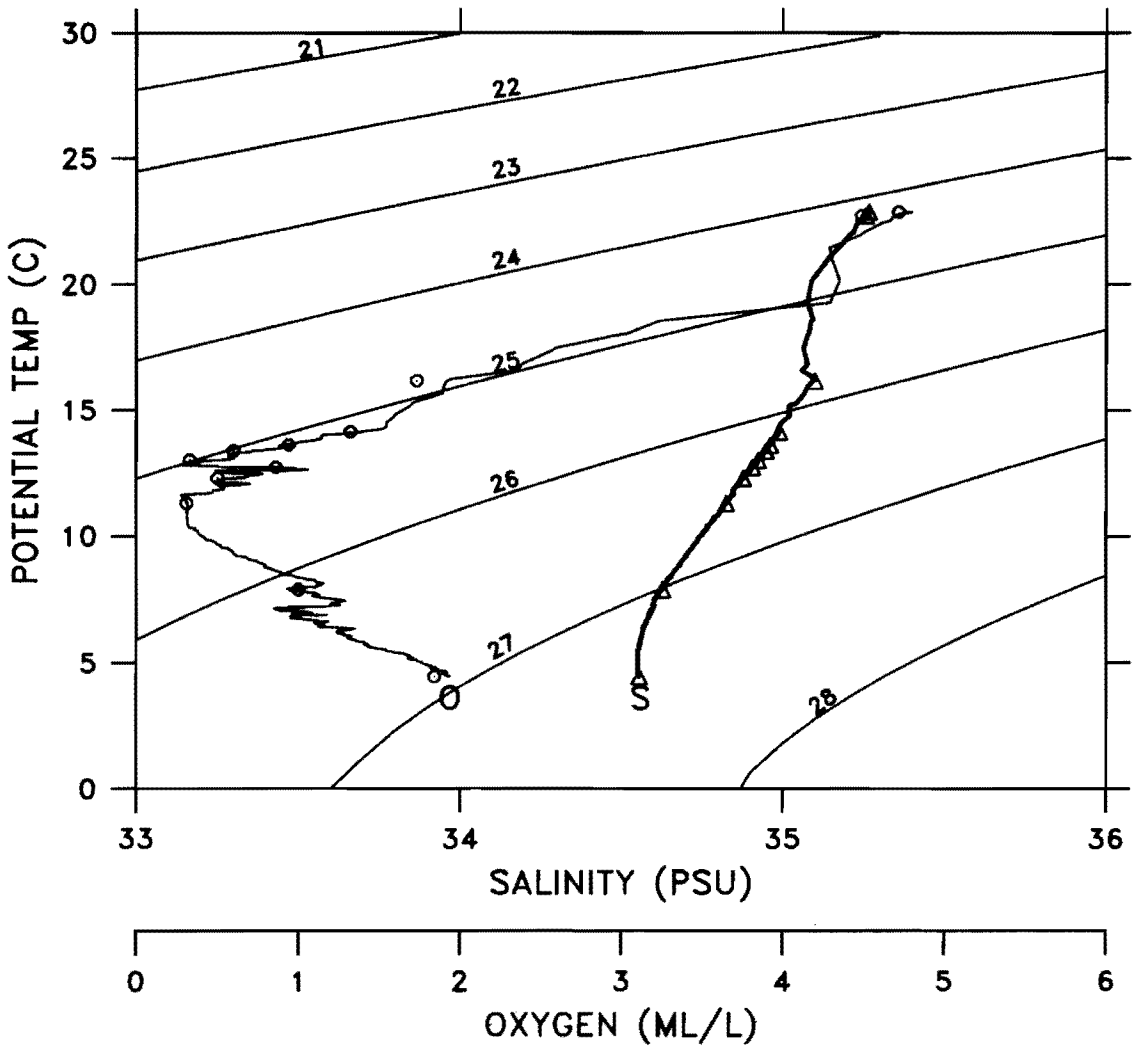


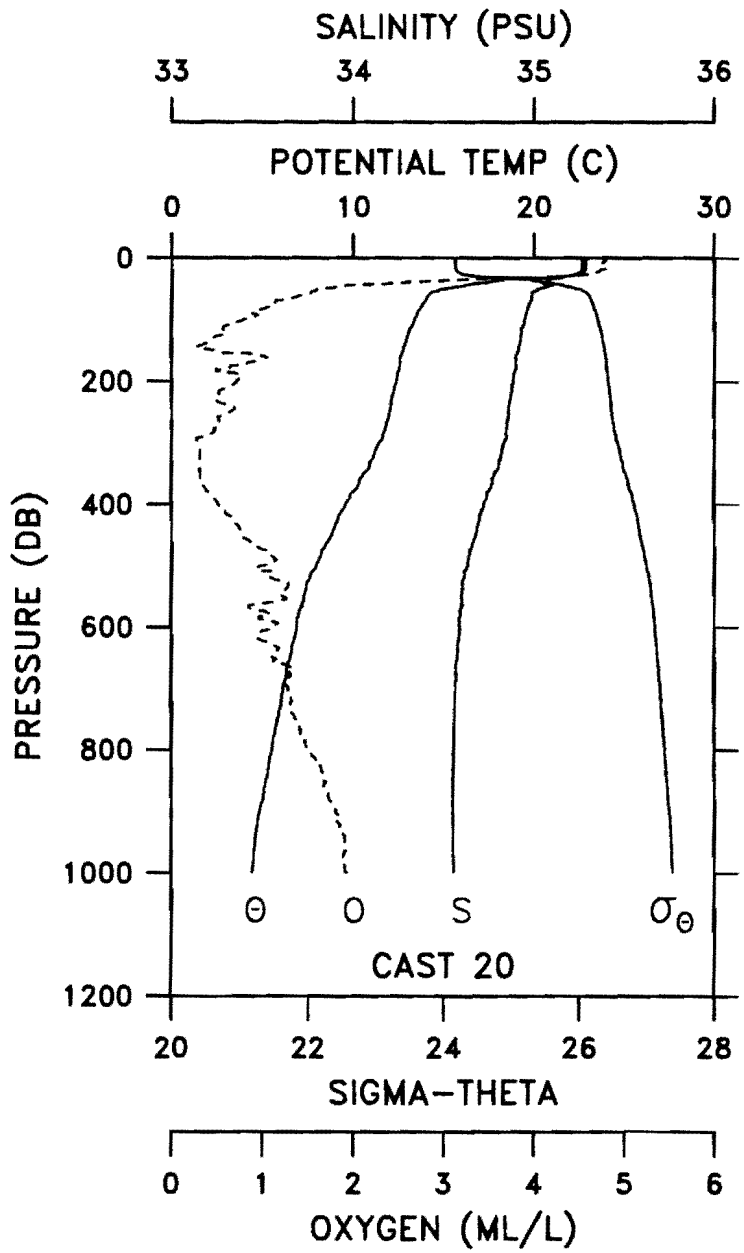
CAST EP2-88-OC -019 DATE 30 JUN 88 TIME 0235 GMT
LAT 04 00.3S LONG 109 59.5W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 120 T SPD 13 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 23.2 WET 21.8 DEPTH 3621 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.512	35.243	4.58	23.971	0.000
10	23.508	35.243	4.62	23.972	0.039
20	22.873	35.189	4.35	24.115	0.078
30	18.494	35.076	3.02	25.208	0.111
40	16.654	35.051	2.35	25.636	0.136
50	15.298	35.016	1.94	25.920	0.159
60	14.558	35.004	1.60	26.072	0.179
70	14.196	34.977	1.50	26.129	0.198
80	13.990	34.980	1.33	26.175	0.217
90	13.648	34.960	1.08	26.230	0.235
100	13.523	34.954	1.14	26.251	0.253
110	13.414	34.950	1.23	26.271	0.271
120	13.258	34.938	1.20	26.293	0.288
130	13.119	34.929	0.99	26.315	0.306
140	13.060	34.929	0.35	26.326	0.323
150	12.987	34.926	0.33	26.339	0.340
160	12.893	34.921	0.26	26.353	0.358
170	12.804	34.915	0.27	26.367	0.375
180	12.715	34.912	0.27	26.382	0.391
190	12.664	34.909	0.27	26.390	0.408
200	12.617	34.906	0.27	26.397	0.425
250	12.136	34.880	0.29	26.470	0.507
300	11.684	34.856	0.58	26.538	0.587
350	10.816	34.799	0.34	26.653	0.663
400	10.024	34.750	0.33	26.753	0.733
450	9.156	34.699	0.35	26.858	0.800
500	8.114	34.645	0.44	26.978	0.861
550	7.228	34.601	0.79	27.073	0.917
600	6.680	34.581	0.96	27.132	0.969
650	6.327	34.571	1.20	27.171	1.019
700	6.082	34.565	1.26	27.198	1.067
750	5.824	34.558	1.40	27.226	1.115
800	5.514	34.551	1.63	27.259	1.161
900	4.992	34.544	1.89	27.315	1.249
1000	4.609	34.545	2.17	27.359	1.333
1003	4.591	34.544	2.17	27.360	1.335

CAST EP2-88-OC -020 DATE 30 JUN 88 TIME 0833 GMT

LAT 02 59.3S LONG 110 00.3W



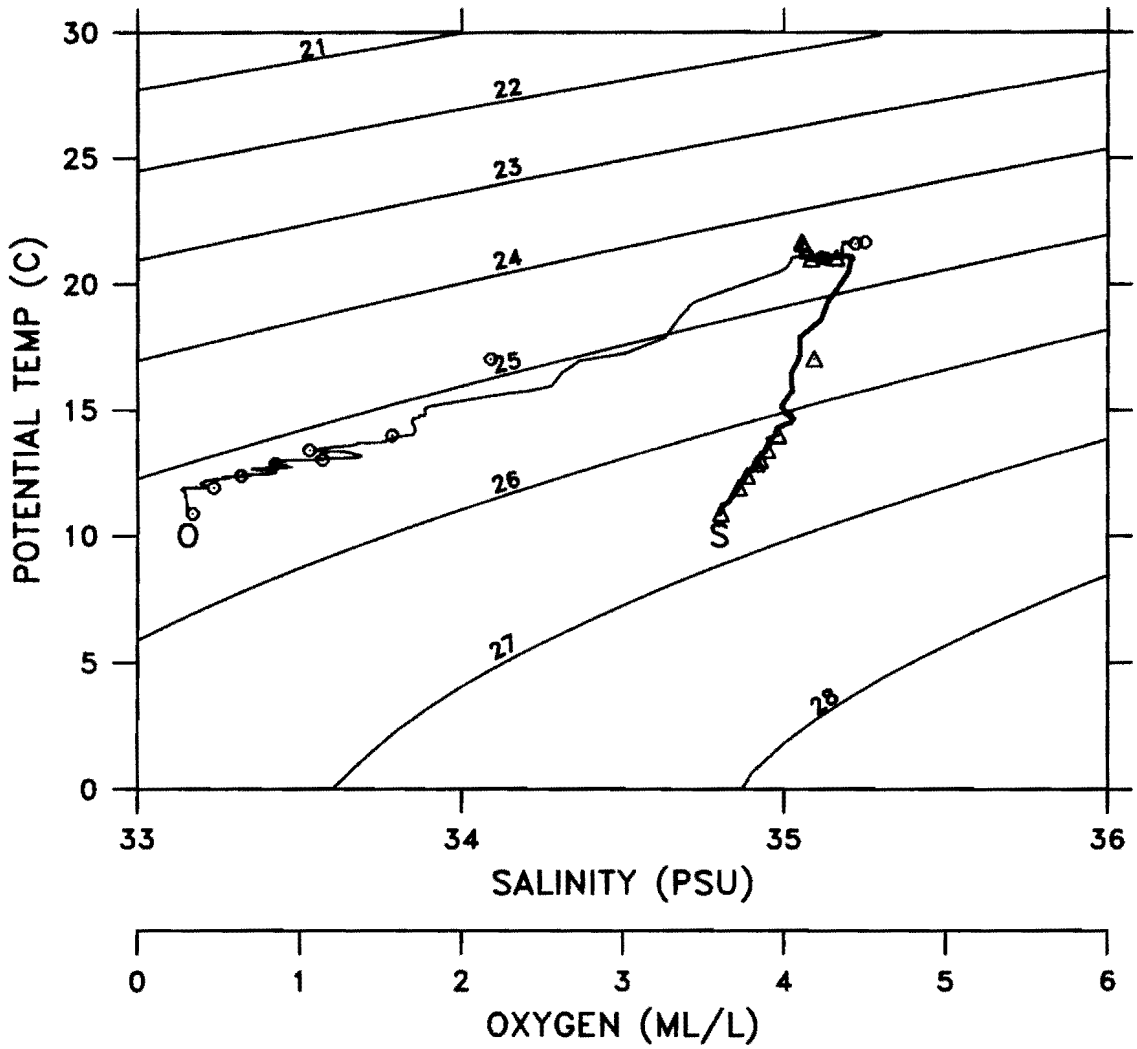


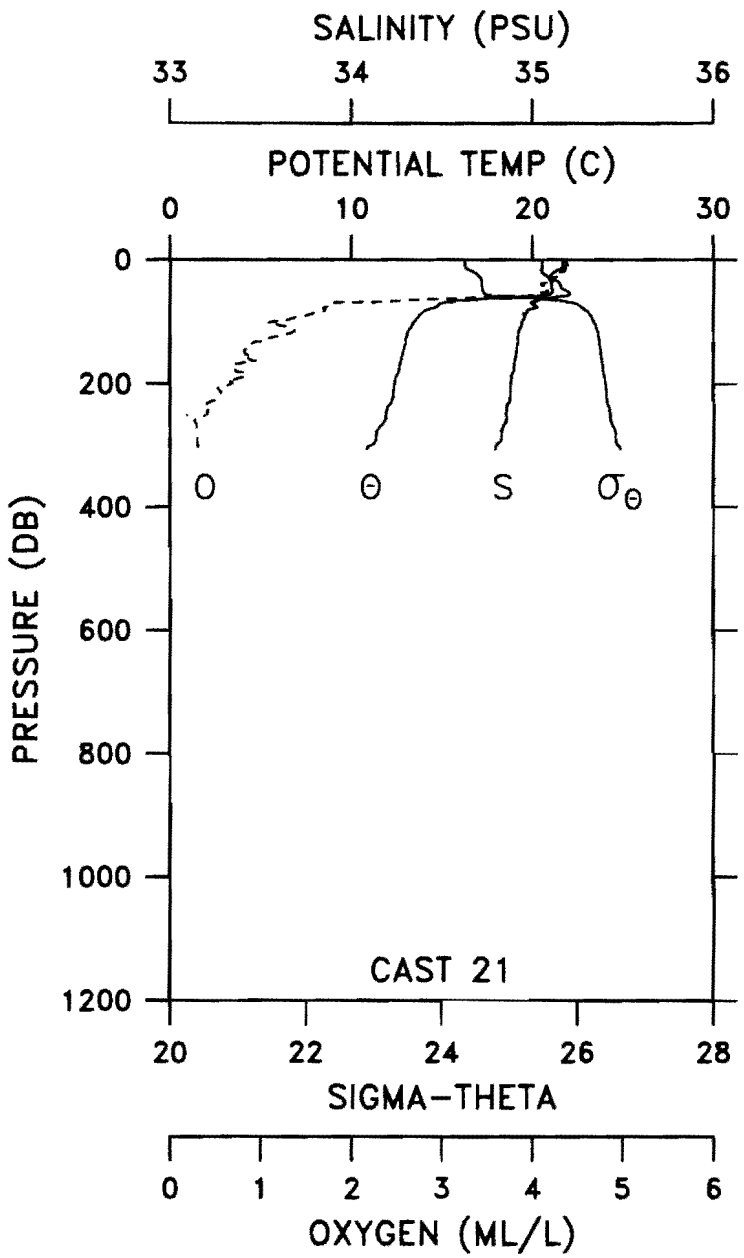
CAST EP2-88-OC -020 DATE 30 JUN 88 TIME 0833 GMT
LAT 02 59.3S LONG 110 00.3W WEATHER 2 SEA STATE 3
BAROMETER 14 WIND DIR 115 T SPD 09 KT VISIBILITY 8
CLOUD 8 AMOUNT 7 DRY 22.7 WET 21.5 DEPTH 3793 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.879	35.269	4.80	24.174	0.000
10	22.884	35.269	4.76	24.172	0.037
20	22.824	35.263	4.73	24.185	0.075
30	21.454	35.175	4.29	24.504	0.111
40	17.389	35.065	2.57	25.472	0.140
50	15.191	35.020	1.70	25.946	0.162
60	14.166	34.990	1.44	26.145	0.181
70	13.962	34.981	1.15	26.181	0.200
80	13.744	34.962	1.07	26.212	0.218
90	13.534	34.956	0.91	26.251	0.236
100	13.394	34.948	0.80	26.273	0.254
110	13.245	34.939	0.60	26.297	0.271
120	13.079	34.930	0.59	26.323	0.289
130	12.977	34.925	0.46	26.340	0.306
140	12.863	34.920	0.35	26.359	0.323
150	12.760	34.913	0.48	26.374	0.340
160	12.623	34.898	1.03	26.390	0.357
170	12.581	34.897	0.83	26.397	0.373
180	12.557	34.899	0.56	26.403	0.390
190	12.442	34.888	0.77	26.417	0.407
200	12.387	34.884	0.72	26.425	0.423
250	12.008	34.857	0.64	26.477	0.504
300	11.417	34.831	0.30	26.568	0.583
350	10.571	34.780	0.32	26.681	0.658
400	9.576	34.721	0.52	26.806	0.727
450	8.816	34.676	0.80	26.894	0.791
500	7.953	34.631	0.98	26.991	0.850
550	7.282	34.597	1.23	27.062	0.906
600	6.877	34.587	1.13	27.111	0.959
650	6.507	34.577	1.14	27.153	1.010
700	6.131	34.566	1.28	27.193	1.059
750	5.836	34.560	1.37	27.225	1.107
800	5.539	34.555	1.50	27.259	1.153
900	4.870	34.552	1.81	27.335	1.241
1000	4.455	34.556	1.92	27.385	1.322
1002	4.447	34.556	1.94	27.385	1.324

CAST EP2-88-OC -021 DATE 30 JUN 88 TIME 1403 GMT

LAT 02 02.8S LONG 109 56.6W



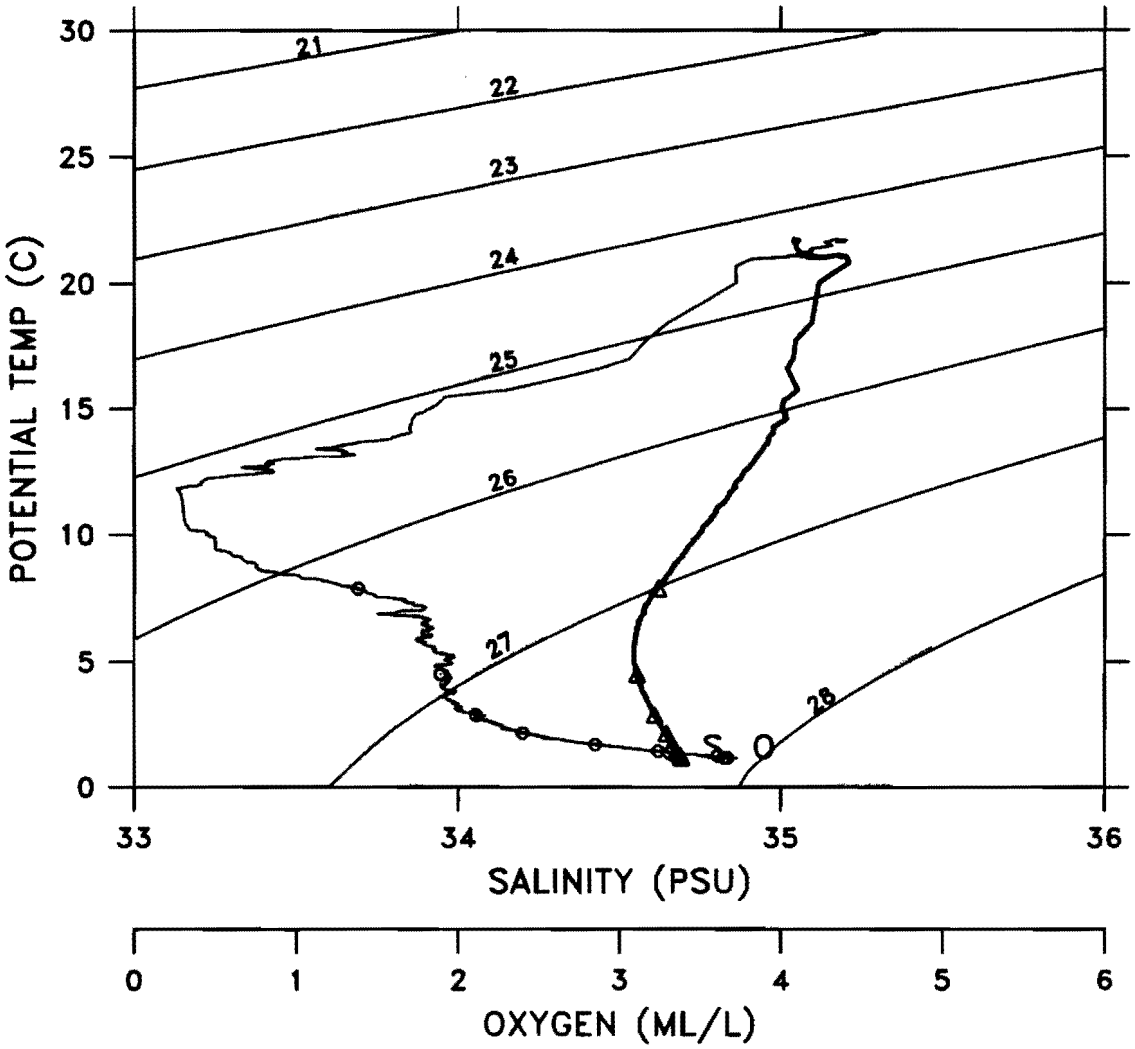


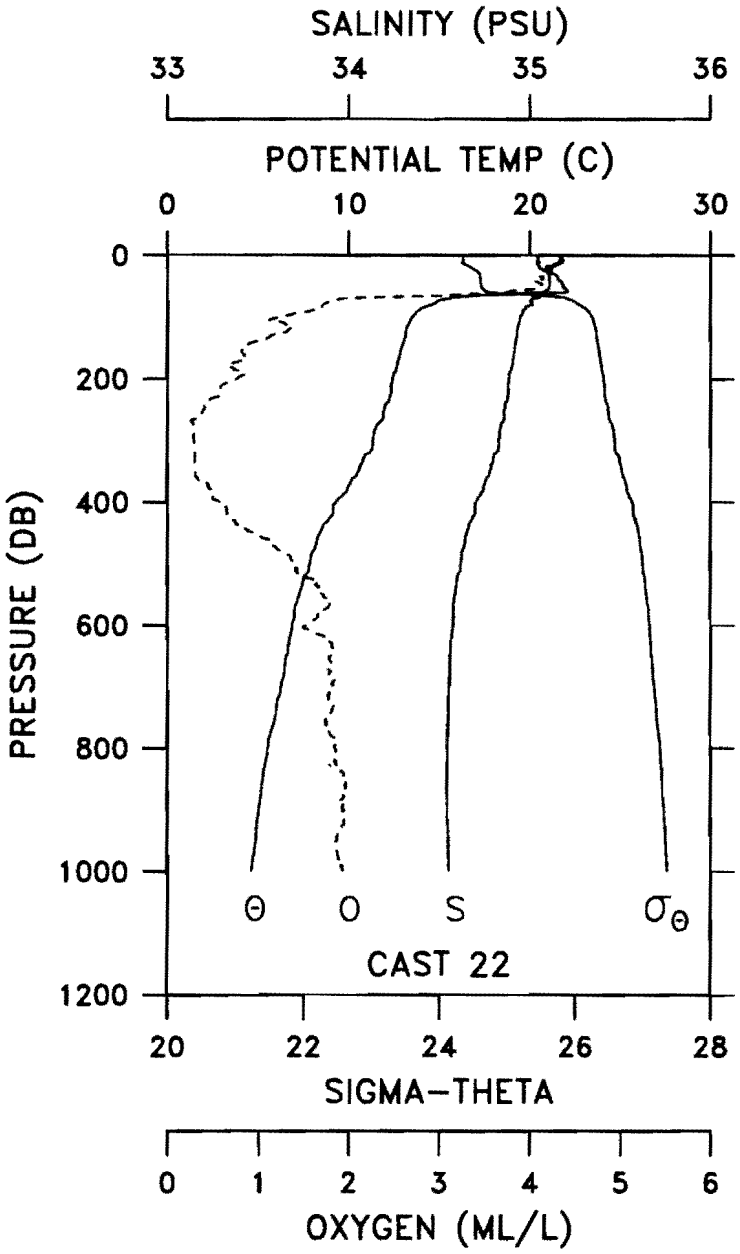
CAST EP2-88-OC -021 DATE 30 JUN 88 TIME 1403 GMT
LAT 02 02.8S LONG 109 56.6W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 080 T SPD 10 KT VISIBILITY 8
CLOUD 7 AMOUNT 5 DRY 21.7 WET 21.0 DEPTH 3967 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	21.688	35.054	4.38	24.347	0.000
10	21.676	35.055	4.38	24.351	0.036
20	21.191	35.053	4.32	24.484	0.071
30	20.965	35.103	4.15	24.583	0.105
40	21.055	35.153	4.10	24.597	0.138
50	21.113	35.191	4.16	24.610	0.172
60	19.271	35.134	3.43	25.056	0.204
70	15.045	34.999	1.77	25.962	0.228
80	14.302	34.978	1.71	26.107	0.248
90	13.746	34.961	1.51	26.211	0.267
100	13.480	34.943	1.12	26.252	0.285
110	13.271	34.933	1.33	26.287	0.302
120	13.094	34.924	1.27	26.316	0.320
130	13.019	34.922	1.08	26.329	0.337
140	12.956	34.918	0.86	26.339	0.354
150	12.856	34.913	0.83	26.355	0.371
160	12.779	34.905	0.88	26.364	0.388
170	12.675	34.902	0.71	26.382	0.405
180	12.622	34.896	0.73	26.388	0.422
190	12.457	34.885	0.81	26.412	0.439
200	12.388	34.881	0.69	26.423	0.455
250	11.918	34.857	0.41	26.494	0.537
300	11.058	34.802	0.31	26.611	0.614
306	10.874	34.800	0.31	26.643	0.623

CAST EP2-88-OC -022 DATE 30 JUN 88 TIME 1937 GMT

LAT 02 02.7S LONG 109 57.5W



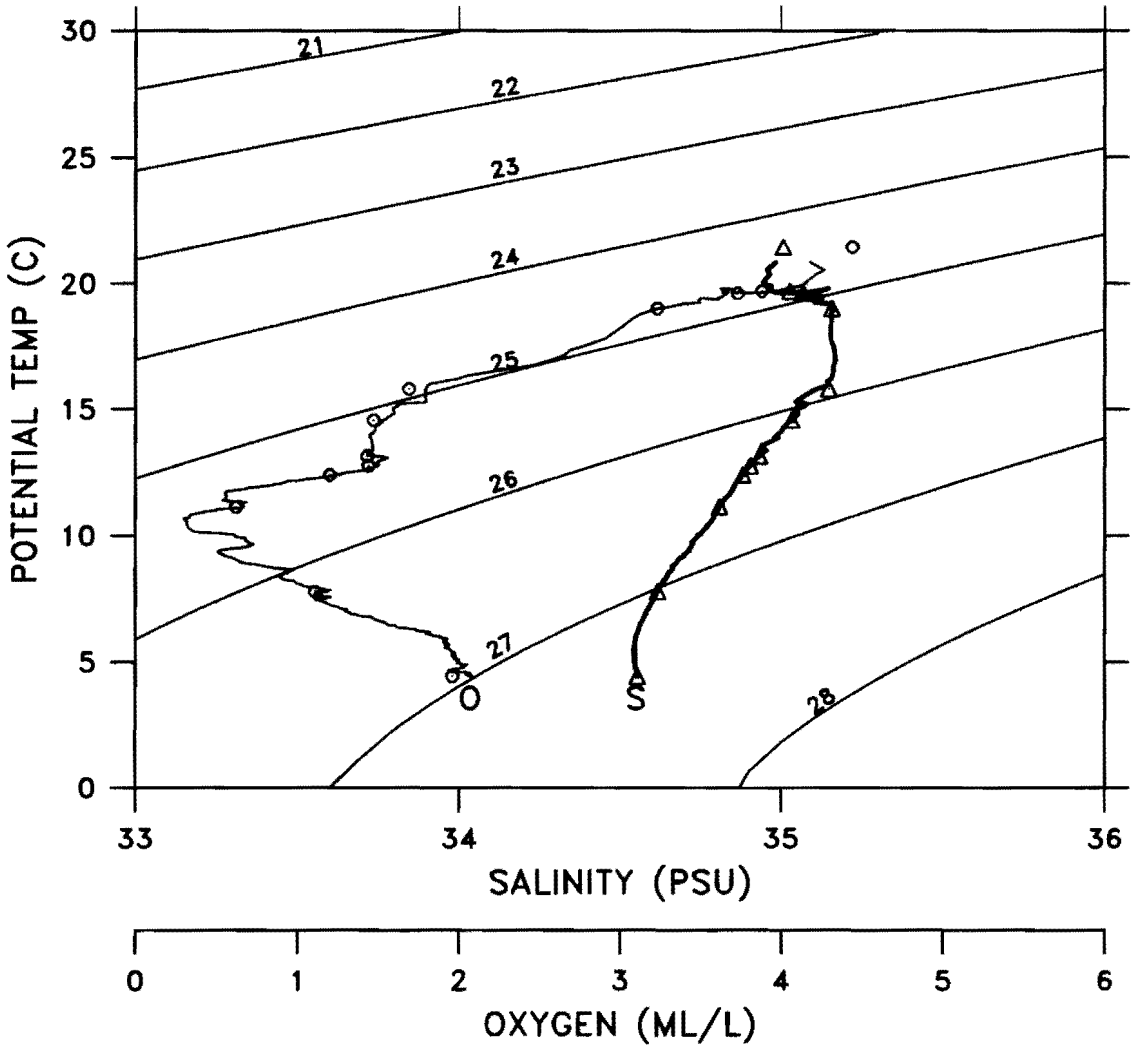


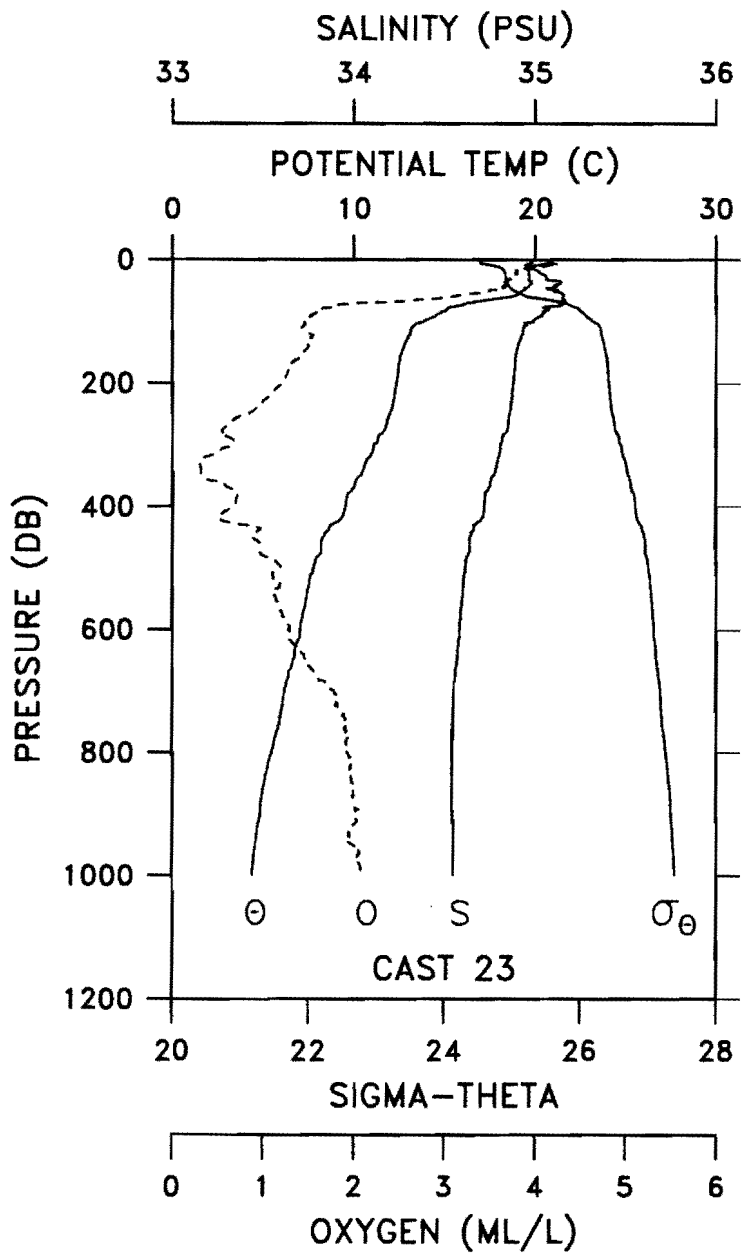
CAST EP2-88-OC -022 DATE 30 JUN 88 TIME 1937 GMT
LAT 02 02.7S LONG 109 57.5W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 100 T SPD 07 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 24.4 WET 22.0 DEPTH 3927 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	21.681	35.045	4.35	24.343	0.000
10	21.653	35.051	4.40	24.355	0.036
20	21.263	35.054	4.19	24.464	0.071
30	21.020	35.137	4.18	24.594	0.105
40	21.066	35.161	4.09	24.600	0.139
50	21.082	35.185	4.07	24.613	0.172
60	20.671	35.194	3.72	24.732	0.205
70	15.479	35.028	1.92	25.888	0.230
80	14.596	35.020	1.72	26.076	0.251
90	13.795	34.961	1.58	26.201	0.270
100	13.481	34.947	1.24	26.255	0.288
110	13.320	34.940	1.29	26.282	0.305
120	13.161	34.930	1.35	26.307	0.323
130	13.112	34.929	1.14	26.316	0.340
140	13.013	34.923	0.95	26.331	0.358
150	12.902	34.916	0.83	26.348	0.375
160	12.829	34.912	0.84	26.360	0.392
170	12.733	34.906	0.84	26.374	0.409
180	12.653	34.902	0.69	26.386	0.426
190	12.537	34.889	0.85	26.399	0.442
200	12.426	34.884	0.76	26.417	0.459
250	11.971	34.861	0.41	26.487	0.541
300	11.322	34.828	0.30	26.583	0.619
350	10.535	34.779	0.31	26.687	0.692
400	9.277	34.702	0.60	26.840	0.761
450	8.416	34.651	0.97	26.937	0.823
500	7.843	34.616	1.39	26.996	0.881
550	7.295	34.587	1.73	27.053	0.937
600	6.882	34.576	1.53	27.101	0.991
650	6.537	34.559	1.80	27.134	1.043
700	6.251	34.554	1.82	27.168	1.093
750	5.910	34.550	1.77	27.209	1.142
800	5.502	34.546	1.84	27.256	1.188
900	5.001	34.546	1.95	27.316	1.277
1000	4.607	34.551	1.94	27.364	1.361
1500	2.899	34.606	2.12	27.580	1.713
2000	2.150	34.643	2.41	27.674	1.991
2500	1.696	34.662	2.83	27.724	2.239
3000	1.433	34.675	3.21	27.754	2.470
3500	1.249	34.686	3.53	27.776	2.696
3990	1.161	34.691	3.70	27.786	2.910

CAST EP2-88-OC -023 DATE 01 JUL 88 TIME 0117 GMT

LAT 01 29.9S LONG 109 59.9W



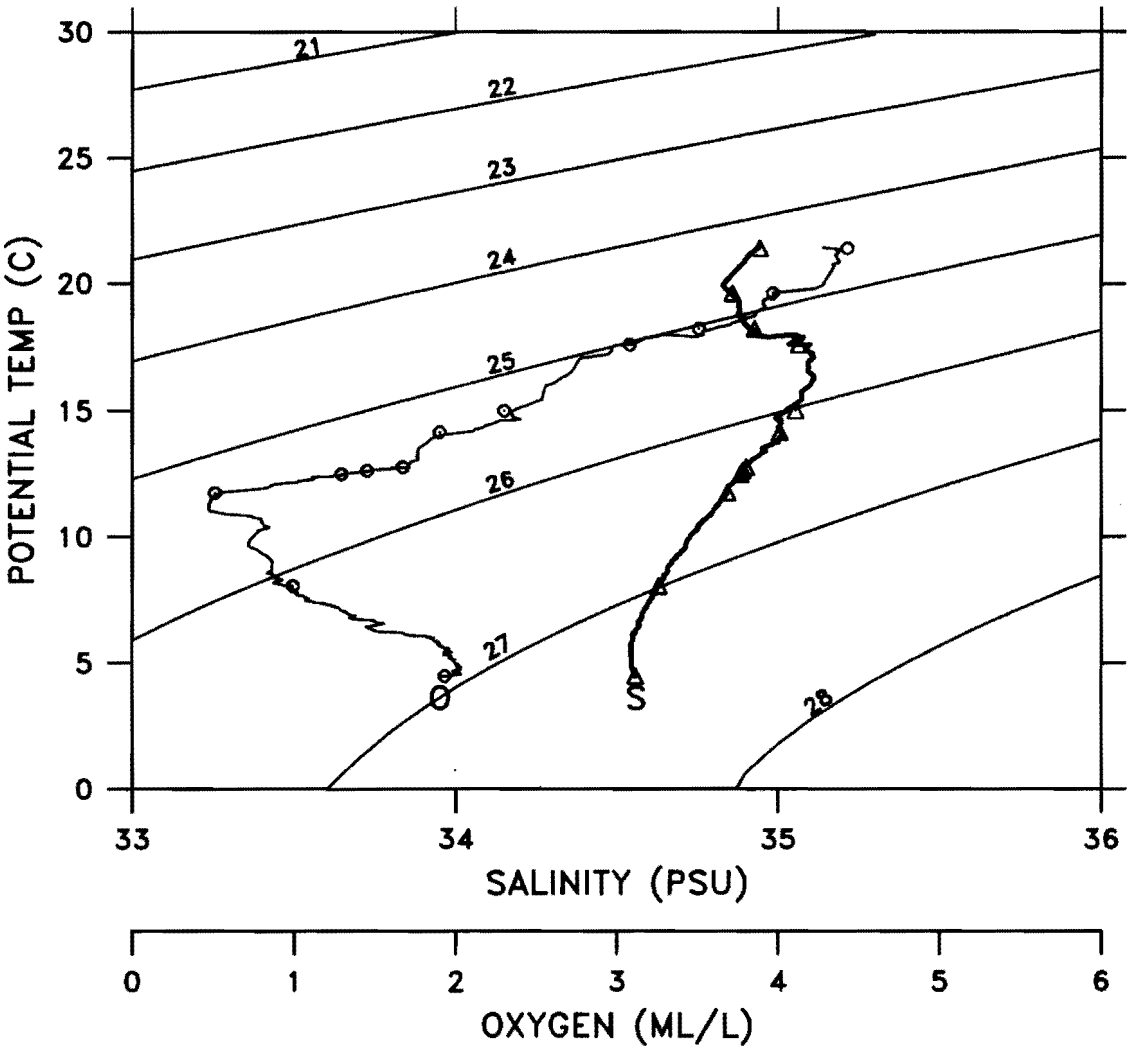


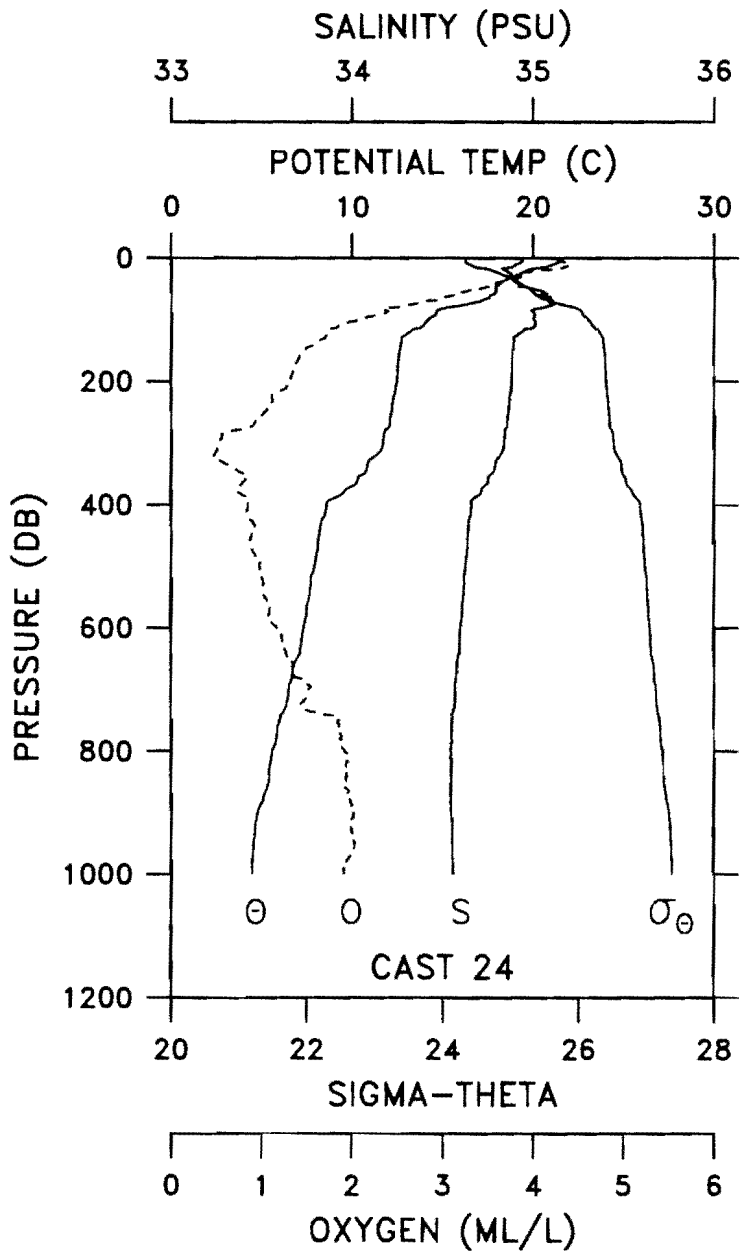
CAST EP2-88-OC -023 DATE 01 JUL 88 TIME 0117 GMT
LAT 01 29.9S LONG 109 59.9W WEATHER 1 SEA STATE 2
BAROMETER 12 WIND DIR 115 T SPD 10 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 22.2 WET 21.2 DEPTH 3895 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	20.833	34.983	4.18	24.528	0.000
10	19.915	34.957	4.12	24.753	0.034
20	19.631	35.023	3.78	24.878	0.065
30	19.659	35.063	3.72	24.900	0.095
40	19.739	35.127	3.64	24.928	0.126
50	19.326	35.111	3.49	25.023	0.156
60	18.657	35.155	3.09	25.228	0.184
70	16.341	35.159	2.05	25.793	0.209
80	15.198	35.079	1.62	25.989	0.230
90	14.584	35.035	1.54	26.090	0.250
100	13.885	34.979	1.44	26.196	0.269
110	13.218	34.939	1.43	26.302	0.287
120	13.131	34.931	1.52	26.314	0.304
130	12.941	34.916	1.50	26.340	0.321
140	12.797	34.906	1.50	26.361	0.338
150	12.669	34.897	1.44	26.379	0.355
160	12.558	34.891	1.40	26.397	0.372
170	12.494	34.886	1.29	26.406	0.388
180	12.459	34.884	1.28	26.411	0.405
190	12.420	34.882	1.25	26.417	0.421
200	12.354	34.878	1.20	26.426	0.438
250	11.996	34.856	0.84	26.478	0.520
300	11.113	34.806	0.66	26.604	0.598
350	10.343	34.771	0.32	26.714	0.670
400	9.543	34.720	0.67	26.811	0.738
450	8.309	34.642	0.90	26.946	0.801
500	7.803	34.616	1.19	27.002	0.859
550	7.395	34.601	1.16	27.049	0.915
600	7.074	34.588	1.28	27.084	0.969
650	6.691	34.572	1.47	27.124	1.022
700	6.200	34.556	1.78	27.176	1.072
750	5.937	34.549	1.93	27.204	1.121
800	5.510	34.546	1.92	27.255	1.168
900	4.883	34.547	2.02	27.330	1.254
1000	4.428	34.554	2.07	27.386	1.336
1000	4.428	34.554	2.07	27.386	1.336

CAST EP2-88-OC -024 DATE 01 JUL 88 TIME 0501 GMT

LAT 01 00.1S LONG 109 59.6W



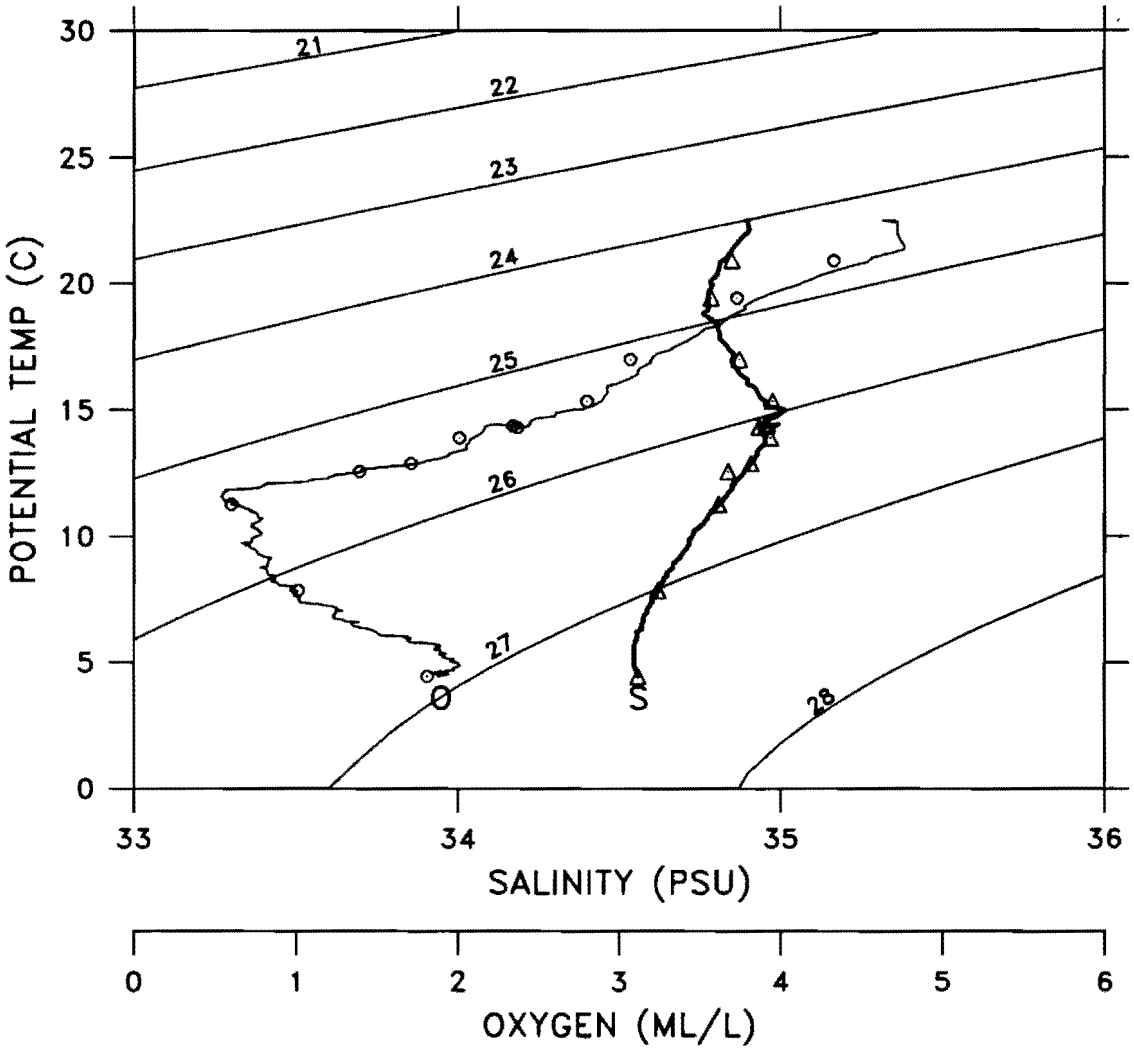


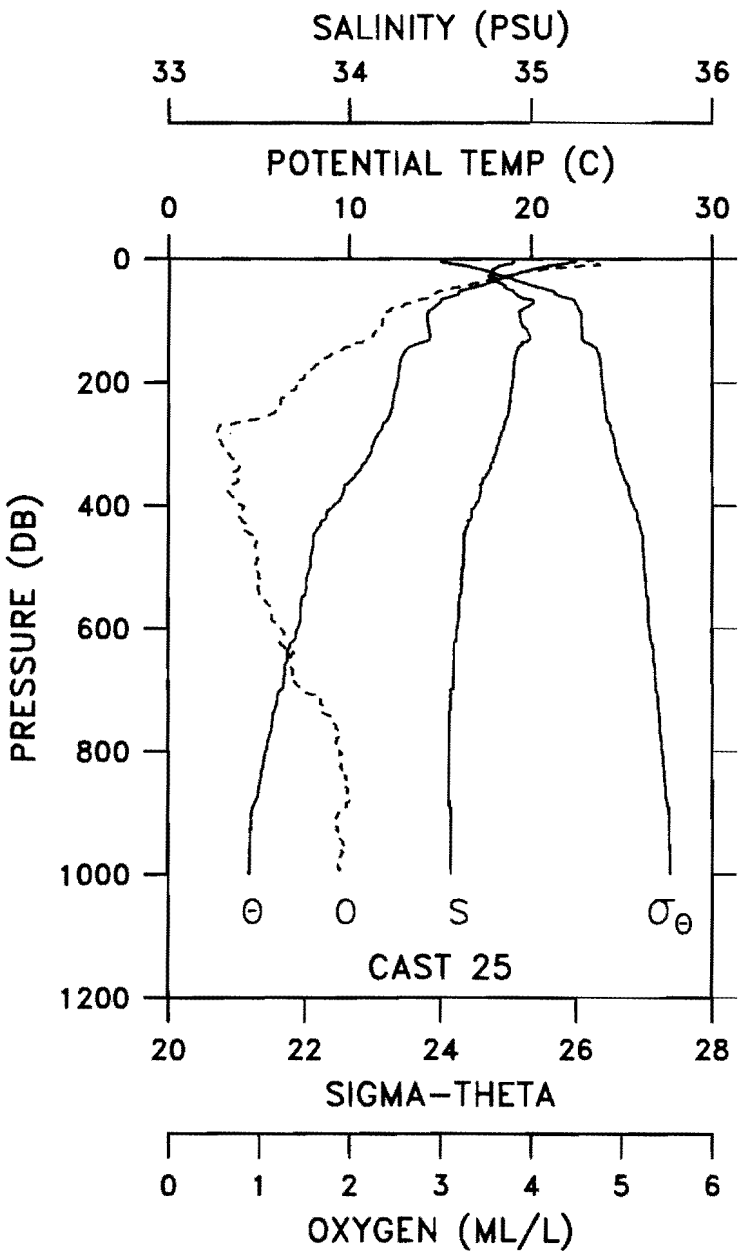
CAST EP2-88-OC -024 DATE 01 JUL 88 TIME 0501 GMT
LAT 01 00.1S LONG 109 59.6W WEATHER 0 SEA STATE 2
BAROMETER 13 WIND DIR 115 T SPD 07 KT VISIBILITY 8
CLOUD X AMOUNT 0 DRY 21.4 WET 21.0 DEPTH 3992 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	21.434	34.942	4.28	24.332	0.000
10	21.125	34.908	4.35	24.392	0.036
20	19.643	34.854	3.97	24.745	0.070
30	18.902	34.879	3.86	24.955	0.101
40	18.242	34.915	3.60	25.148	0.130
50	17.965	35.007	3.41	25.287	0.157
60	17.629	35.033	3.10	25.389	0.184
70	17.090	35.109	2.77	25.578	0.209
80	15.250	35.053	2.45	25.958	0.231
90	14.612	35.010	2.29	26.065	0.251
100	14.165	35.006	2.11	26.158	0.271
110	13.893	35.009	1.86	26.217	0.289
120	13.132	34.935	1.76	26.317	0.307
130	12.713	34.894	1.70	26.369	0.324
140	12.667	34.893	1.59	26.377	0.341
150	12.609	34.891	1.49	26.387	0.357
160	12.560	34.890	1.42	26.395	0.374
170	12.528	34.887	1.38	26.400	0.391
180	12.503	34.887	1.35	26.404	0.407
190	12.480	34.885	1.33	26.408	0.424
200	12.451	34.883	1.30	26.412	0.441
250	12.182	34.866	1.02	26.451	0.523
300	11.694	34.842	0.54	26.525	0.603
350	10.643	34.770	0.80	26.661	0.679
400	8.602	34.659	0.85	26.915	0.746
450	8.200	34.638	0.88	26.960	0.805
500	7.947	34.626	0.97	26.988	0.863
550	7.646	34.612	1.03	27.021	0.920
600	7.347	34.599	1.18	27.054	0.976
650	6.981	34.581	1.32	27.092	1.030
700	6.506	34.568	1.52	27.145	1.082
750	5.985	34.549	1.87	27.198	1.133
800	5.590	34.545	1.92	27.245	1.180
900	4.800	34.547	2.01	27.339	1.269
1000	4.481	34.557	1.90	27.383	1.350
1001	4.480	34.558	1.90	27.383	1.351

CAST EP2-88-OC -025 DATE 01 JUL 88 TIME 0833 GMT

LAT 00 30.2S LONG 110 00.2W



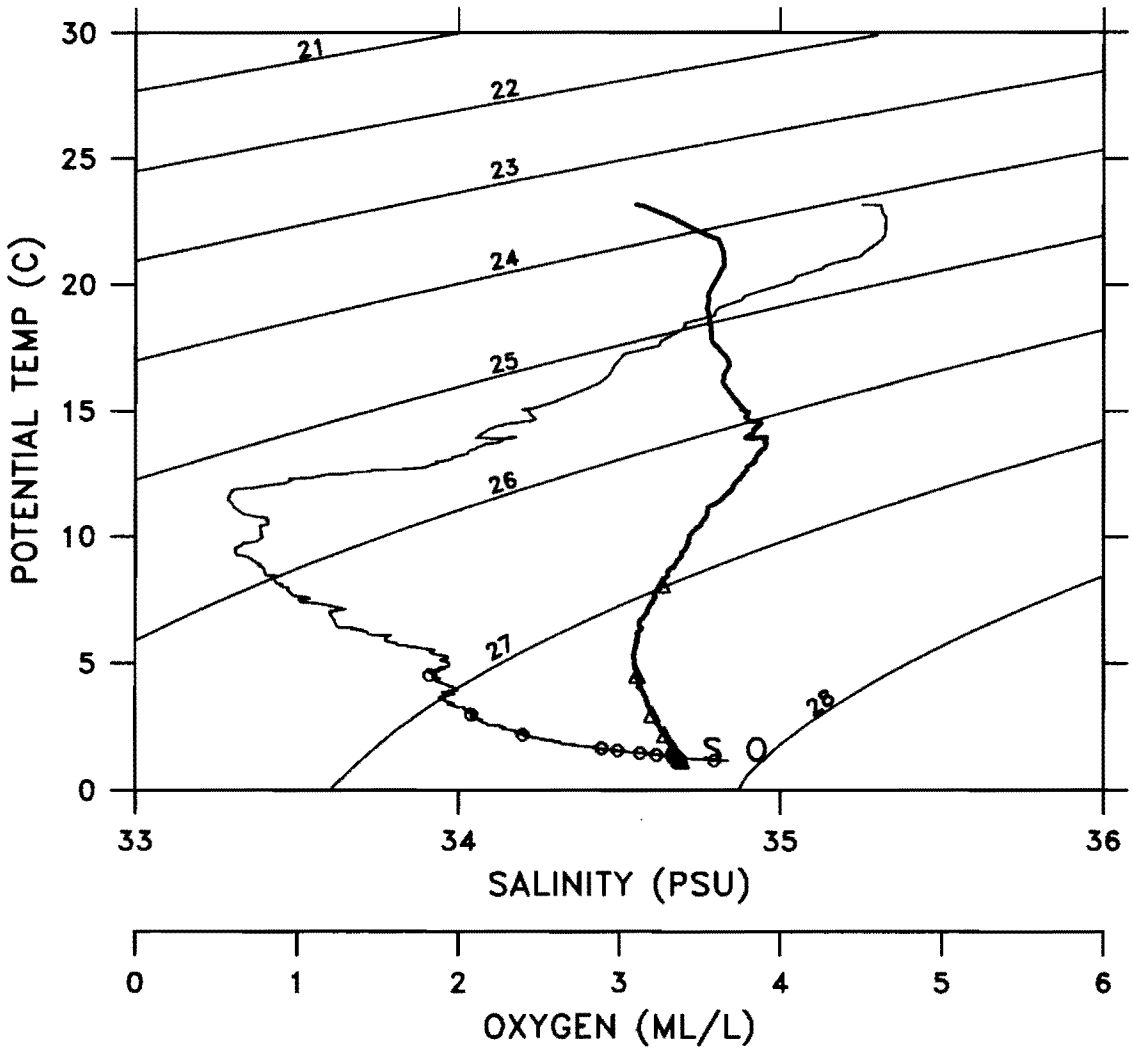


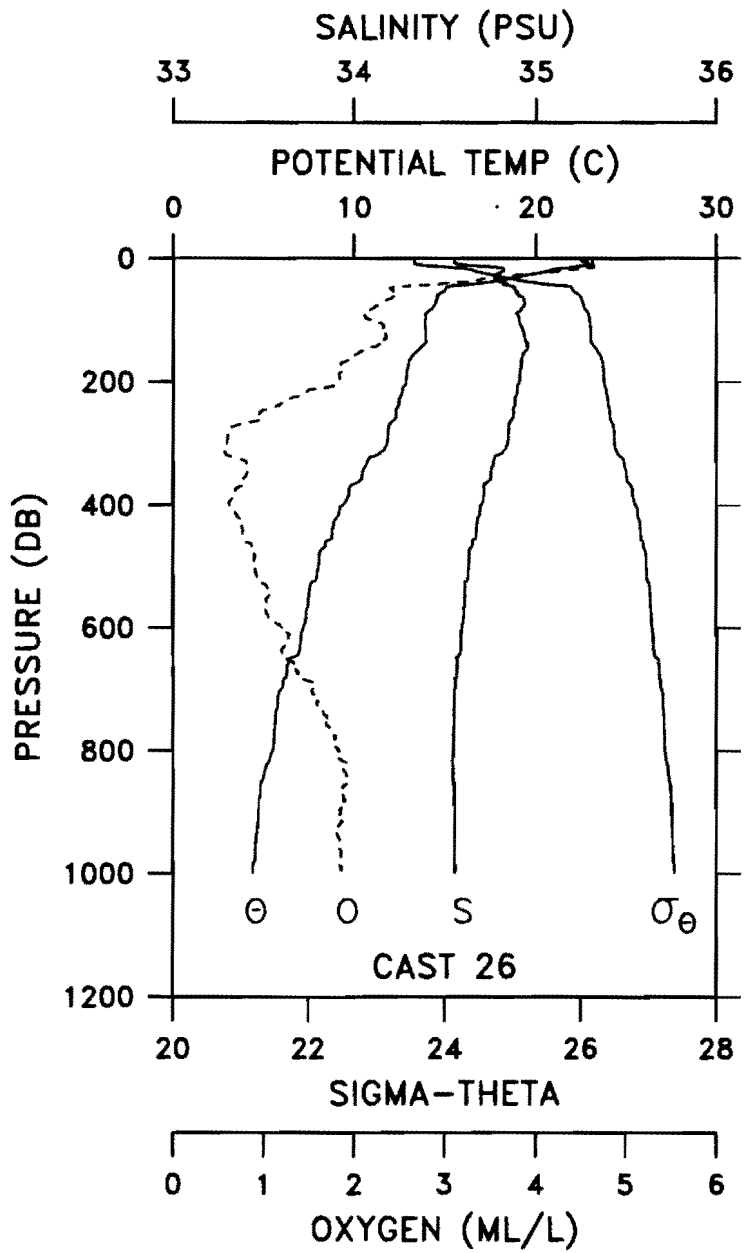
CAST EP2-88-OC -025 DATE 01 JUL 88 TIME 0833 GMT
LAT 00 30.2S LONG 110 00.2W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 120 T SPD 07 KT VISIBILITY 8
CLOUD X AMOUNT 1 DRY 21.2 WET 20.8 DEPTH 3749 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.509	34.896	4.71	23.997	0.000
10	21.343	34.850	4.76	24.288	0.038
20	19.668	34.777	3.96	24.679	0.072
30	18.566	34.786	3.67	24.969	0.104
40	17.504	34.835	3.35	25.267	0.132
50	16.315	34.885	3.09	25.587	0.158
60	15.675	34.929	2.93	25.768	0.181
70	14.973	35.012	2.69	25.988	0.202
80	14.578	34.957	2.46	26.032	0.222
90	14.280	34.934	2.38	26.077	0.242
100	14.285	34.940	2.37	26.081	0.261
110	14.333	34.957	2.34	26.084	0.281
120	14.393	34.983	2.27	26.091	0.300
130	14.399	34.991	2.20	26.096	0.320
140	13.500	34.939	2.05	26.245	0.339
150	13.044	34.919	1.87	26.322	0.356
160	12.856	34.908	1.74	26.351	0.373
170	12.762	34.902	1.65	26.365	0.390
180	12.739	34.900	1.57	26.368	0.407
190	12.691	34.899	1.50	26.377	0.424
200	12.637	34.894	1.42	26.383	0.441
250	12.248	34.871	1.15	26.442	0.525
300	11.329	34.815	0.60	26.572	0.604
350	10.347	34.745	0.73	26.694	0.678
400	9.140	34.690	0.83	26.853	0.745
450	8.012	34.627	0.97	26.979	0.806
500	7.848	34.622	0.96	27.000	0.863
550	7.365	34.601	1.04	27.054	0.919
600	7.142	34.589	1.25	27.076	0.973
650	6.573	34.574	1.35	27.142	1.025
700	6.207	34.553	1.49	27.173	1.075
750	5.746	34.550	1.81	27.229	1.123
800	5.373	34.543	1.89	27.269	1.169
900	4.623	34.555	1.88	27.365	1.255
1000	4.458	34.558	1.87	27.386	1.334
1006	4.436	34.558	1.90	27.389	1.339

CAST EP2-88-OC -026 DATE 01 JUL 88 TIME 1257 GMT

LAT 00 04.8S LONG 109 50.9W



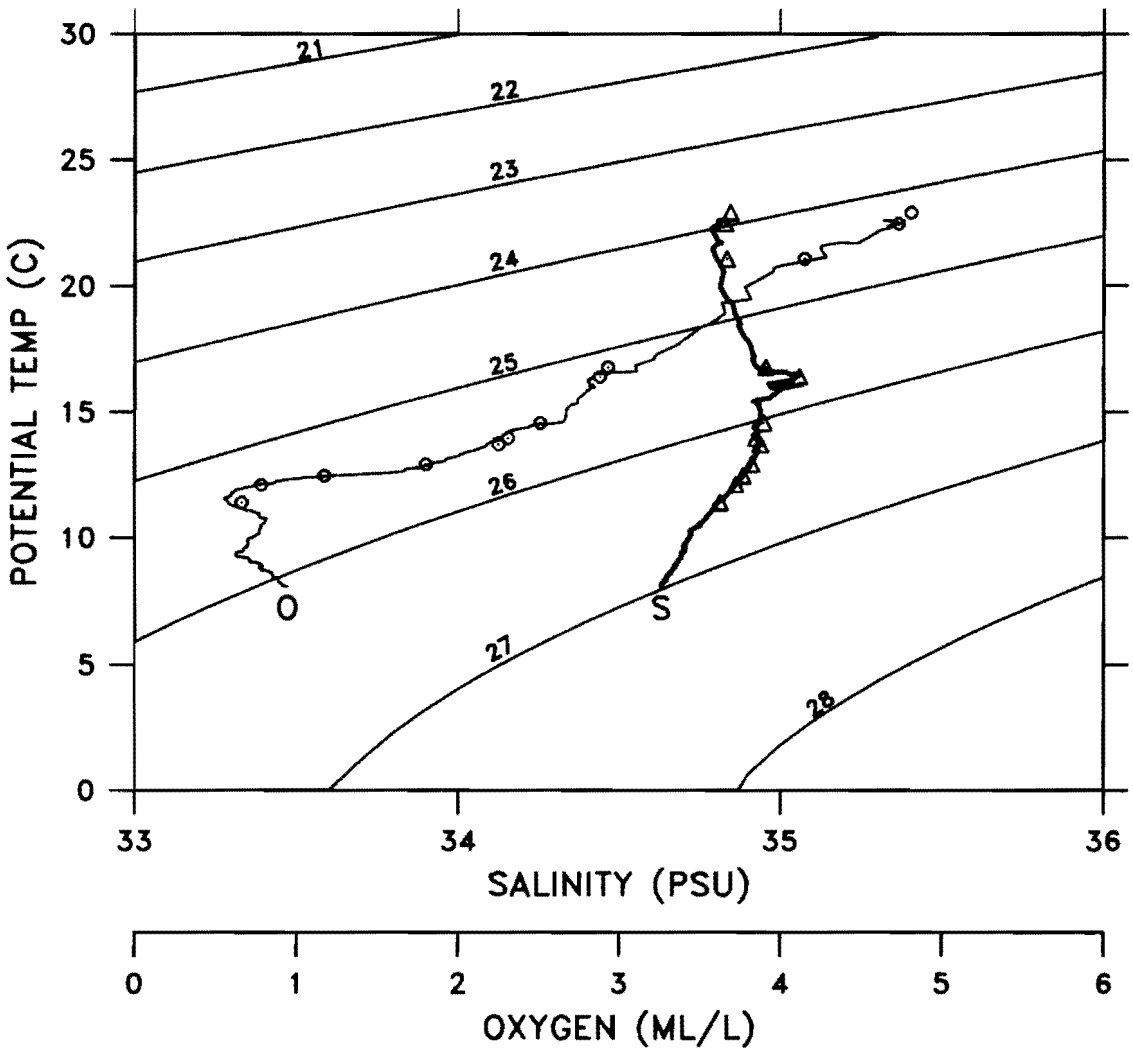


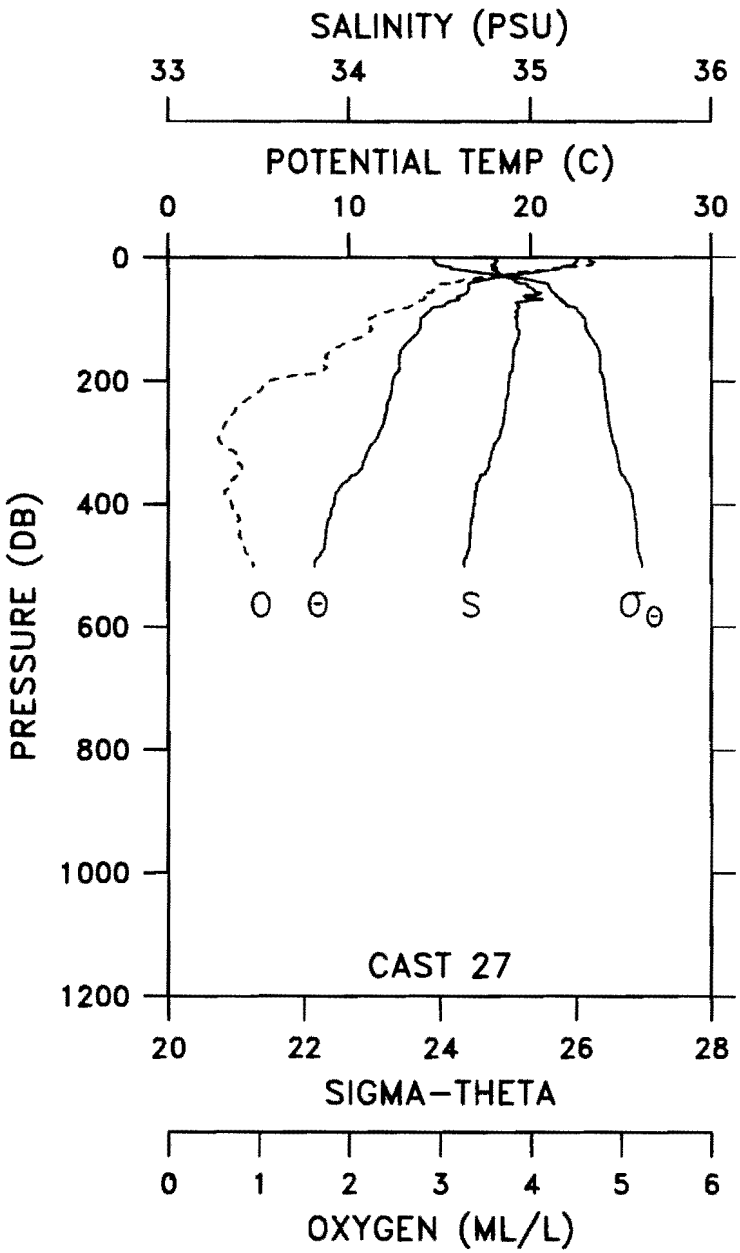
CAST EP2-88-OC -026 DATE 01 JUL 88 TIME 1257 GMT
LAT 00 04.8S LONG 109 50.9W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 090 T SPD 10 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 21.6 WET 20.0 DEPTH 3767 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.158	34.552	4.51	23.550	0.000
10	22.985	34.599	4.63	23.636	0.043
20	20.739	34.825	4.27	24.433	0.081
30	19.052	34.772	3.61	24.835	0.115
40	17.108	34.833	3.01	25.361	0.143
50	15.049	34.882	2.41	25.871	0.166
60	14.593	34.903	2.45	25.987	0.187
70	14.525	34.938	2.33	26.028	0.207
80	14.356	34.926	2.21	26.055	0.227
90	13.938	34.896	2.11	26.120	0.246
100	13.928	34.909	2.19	26.133	0.265
110	13.931	34.922	2.33	26.142	0.284
120	13.951	34.933	2.35	26.146	0.303
130	13.966	34.940	2.36	26.148	0.322
140	13.845	34.951	2.27	26.183	0.341
150	13.486	34.944	2.09	26.251	0.359
160	13.168	34.925	1.96	26.302	0.377
170	13.003	34.920	1.86	26.331	0.395
180	12.940	34.916	1.86	26.340	0.412
190	12.898	34.911	1.85	26.345	0.429
200	12.876	34.908	1.84	26.347	0.446
250	12.316	34.875	0.95	26.432	0.531
300	11.834	34.847	0.60	26.502	0.612
350	10.468	34.753	0.82	26.679	0.687
400	9.415	34.699	0.61	26.816	0.755
450	8.816	34.672	0.78	26.891	0.819
500	8.072	34.632	0.89	26.975	0.878
550	7.533	34.609	1.05	27.036	0.935
600	7.247	34.593	1.22	27.064	0.990
650	6.446	34.563	1.25	27.149	1.044
700	6.005	34.557	1.55	27.202	1.093
750	5.658	34.552	1.70	27.241	1.140
800	5.533	34.549	1.83	27.254	1.186
900	4.737	34.554	1.86	27.352	1.271
1000	4.414	34.560	1.87	27.392	1.351
1500	2.980	34.604	2.11	27.571	1.696
2000	2.182	34.641	2.40	27.670	1.978
2500	1.653	34.666	2.84	27.731	2.224
3000	1.454	34.674	3.15	27.752	2.455
3500	1.249	34.687	3.42	27.777	2.680
3798	1.161	34.691	3.65	27.786	2.809

CAST EP2-88-OC -027 DATE 04 JUL 88 TIME 0049 GMT

LAT 00 02.3S LONG 110 07.8W



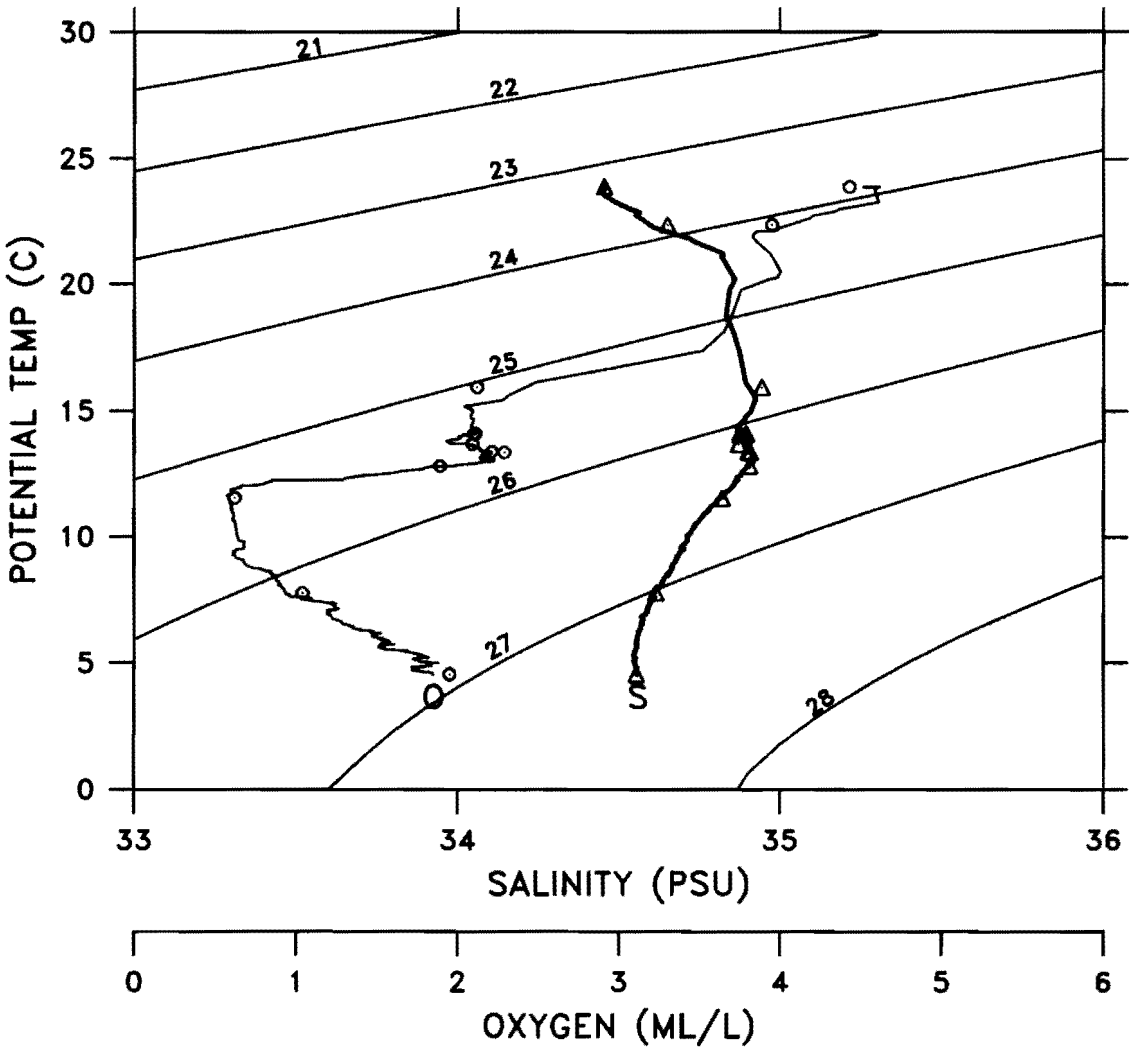


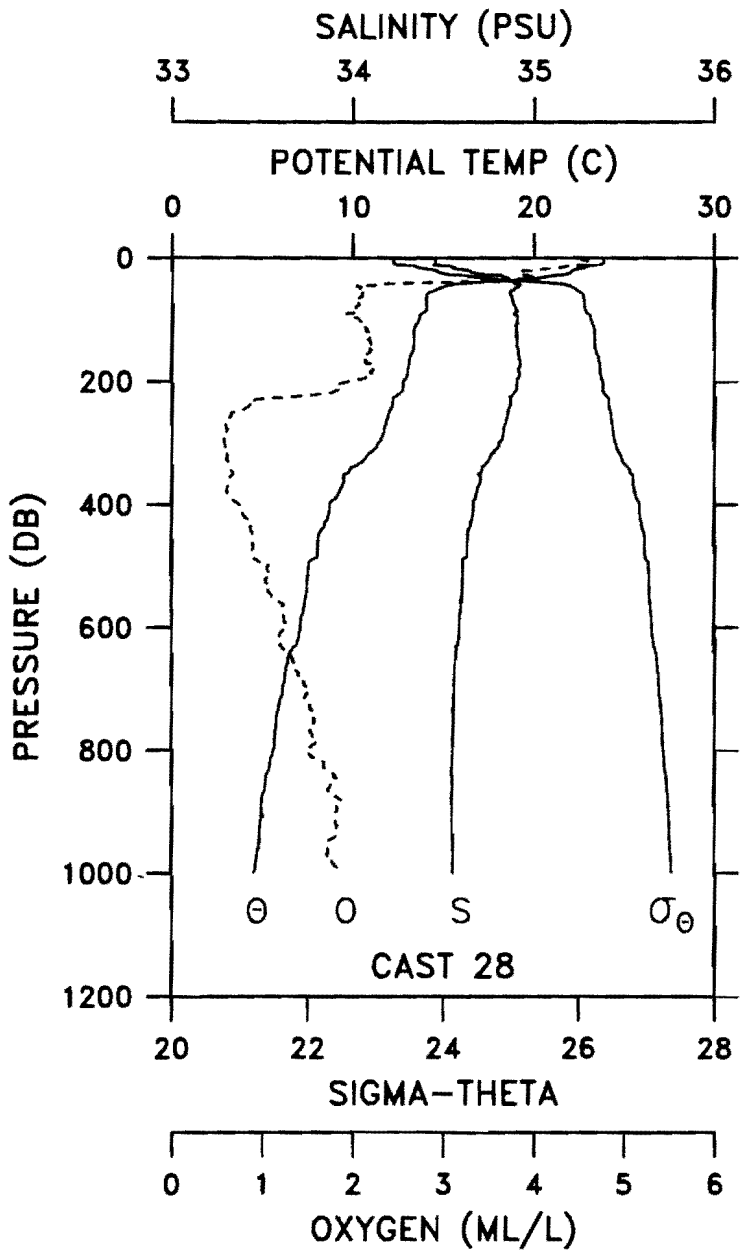
CAST EP2-88-OC -027 DATE 04 JUL 88 TIME 0049 GMT
LAT 00 02.3S LONG 110 07.8W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 085 T SPD 08 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 22.7 WET 20.6 DEPTH 3743 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	22.577	34.807	4.64	23.910	0.000
10	22.435	34.805	4.71	23.948	0.040
20	21.110	34.799	4.28	24.312	0.078
30	18.907	34.858	3.66	24.938	0.111
40	16.842	34.921	3.10	25.492	0.138
50	16.599	35.006	2.94	25.615	0.162
60	16.335	35.037	2.82	25.700	0.185
70	15.724	34.985	2.78	25.799	0.208
80	14.800	34.938	2.67	25.969	0.230
90	14.296	34.928	2.34	26.069	0.250
100	13.962	34.924	2.23	26.137	0.269
110	13.941	34.925	2.25	26.142	0.288
120	13.850	34.940	2.23	26.173	0.307
130	13.515	34.932	2.11	26.236	0.325
140	13.169	34.916	1.94	26.294	0.343
150	12.883	34.906	1.81	26.344	0.360
160	12.816	34.905	1.75	26.357	0.377
170	12.799	34.904	1.76	26.359	0.395
180	12.786	34.901	1.73	26.360	0.412
190	12.565	34.885	1.47	26.391	0.429
200	12.433	34.882	1.12	26.414	0.445
250	12.072	34.859	0.73	26.466	0.527
300	11.390	34.805	0.58	26.553	0.607
350	10.474	34.747	0.78	26.673	0.682
400	9.185	34.691	0.70	26.847	0.748
450	8.732	34.665	0.78	26.899	0.811
500	8.085	34.631	0.94	26.972	0.871
502	8.086	34.631	0.94	26.972	0.873

CAST EP2-88-OC -028 DATE 04 JUL 88 TIME 0409 GMT

LAT 00 30.1N LONG 109.59.7W



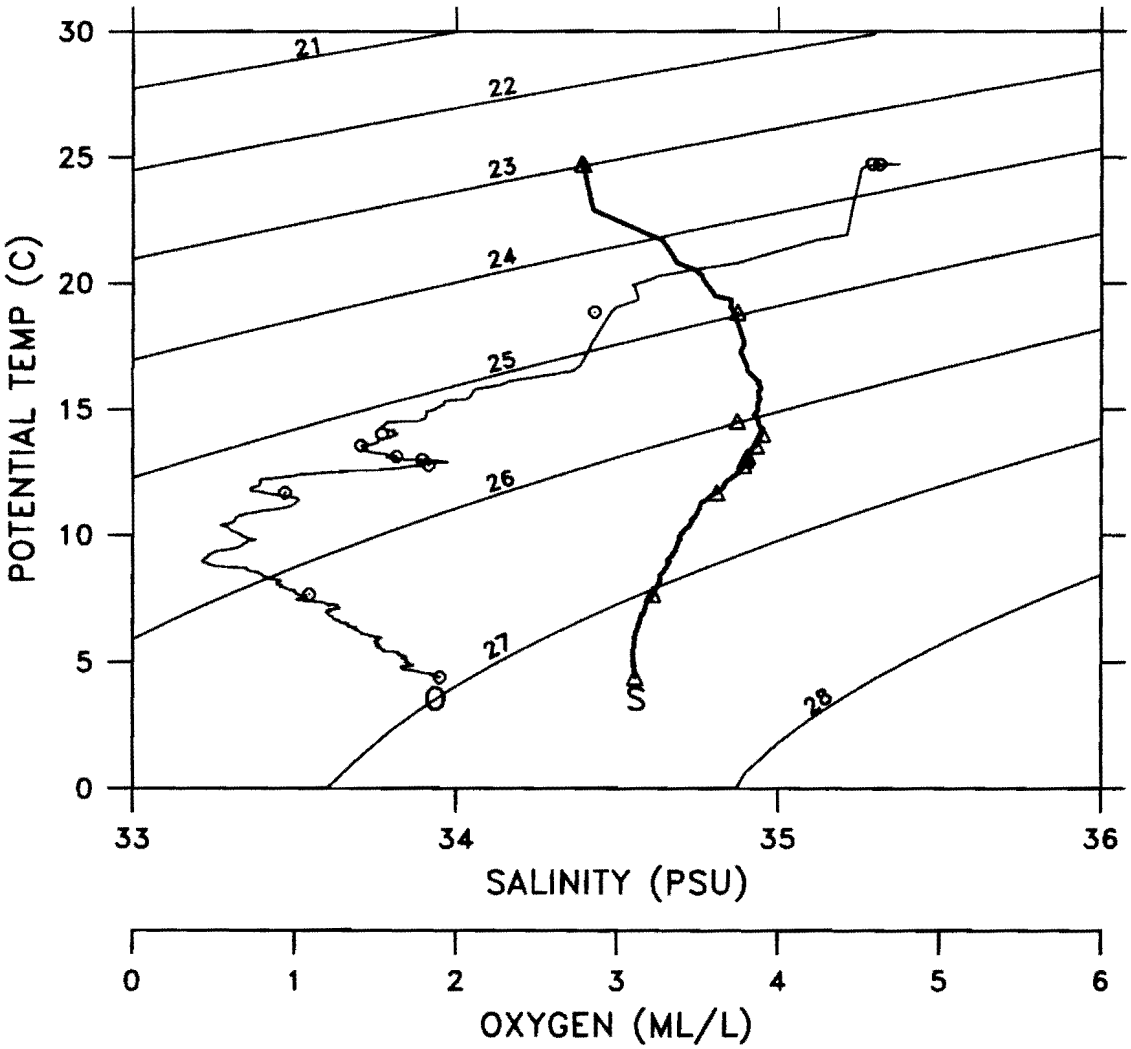


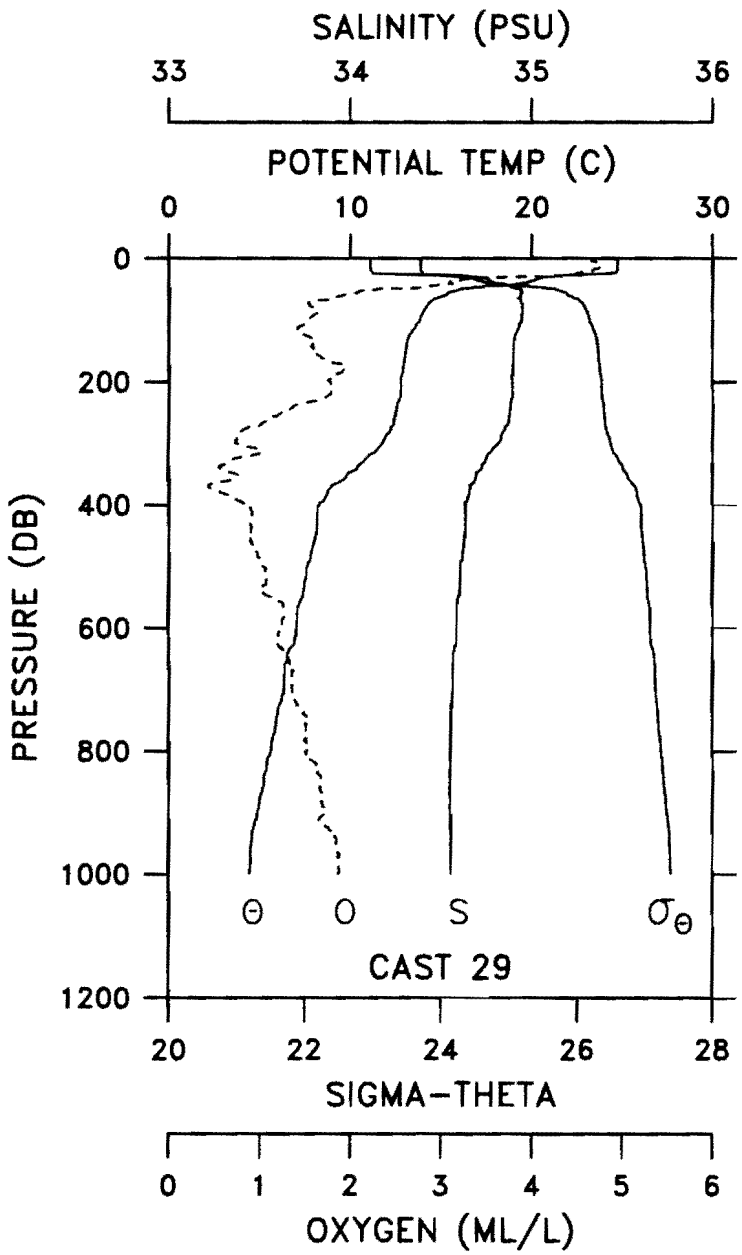
CAST EP2-88-OC -028 DATE 04 JUL 88 TIME 0409 GMT
LAT 00 30.1N LONG 109 59.7W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 130 T SPD 08 KT VISIBILITY 8
CLOUD 7 AMOUNT 1 DRY 21.9 WET 20.4 DEPTH 3409 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	23.874	34.457	4.51	23.269	0.000
10	23.809	34.455	4.59	23.287	0.046
20	22.130	34.641	3.98	23.910	0.089
30	20.792	34.832	3.98	24.424	0.127
40	16.557	34.886	2.84	25.532	0.158
50	14.725	34.892	2.08	25.949	0.179
60	14.089	34.873	2.10	26.071	0.199
70	14.082	34.882	2.06	26.079	0.219
80	14.089	34.896	2.03	26.089	0.238
90	13.819	34.889	1.93	26.140	0.257
100	13.679	34.907	2.07	26.183	0.276
110	13.469	34.898	2.14	26.219	0.294
120	13.403	34.902	2.19	26.236	0.313
130	13.389	34.903	2.19	26.239	0.331
140	13.389	34.904	2.21	26.240	0.349
150	13.344	34.915	2.20	26.258	0.367
160	13.191	34.915	2.15	26.289	0.385
170	13.115	34.922	2.15	26.310	0.402
180	13.049	34.911	2.23	26.315	0.420
190	13.031	34.919	2.22	26.325	0.437
200	12.814	34.904	1.95	26.356	0.454
250	12.040	34.857	0.68	26.471	0.538
300	11.410	34.803	0.59	26.548	0.618
350	9.601	34.693	0.68	26.780	0.691
400	8.739	34.666	0.75	26.898	0.755
450	8.119	34.634	0.90	26.969	0.815
500	7.567	34.611	1.06	27.032	0.873
550	7.417	34.602	1.12	27.047	0.928
600	7.106	34.590	1.26	27.081	0.982
650	6.444	34.570	1.33	27.155	1.035
700	6.147	34.562	1.51	27.188	1.084
750	5.796	34.556	1.58	27.228	1.132
800	5.646	34.556	1.53	27.246	1.178
900	4.953	34.551	1.81	27.325	1.266
1000	4.541	34.556	1.85	27.375	1.350
1003	4.531	34.557	1.85	27.377	1.352

CAST EP2-88-OC -029 DATE 04 JUL 88 TIME 0726 GMT

LAT 01 00.1N LONG 110 00.3W



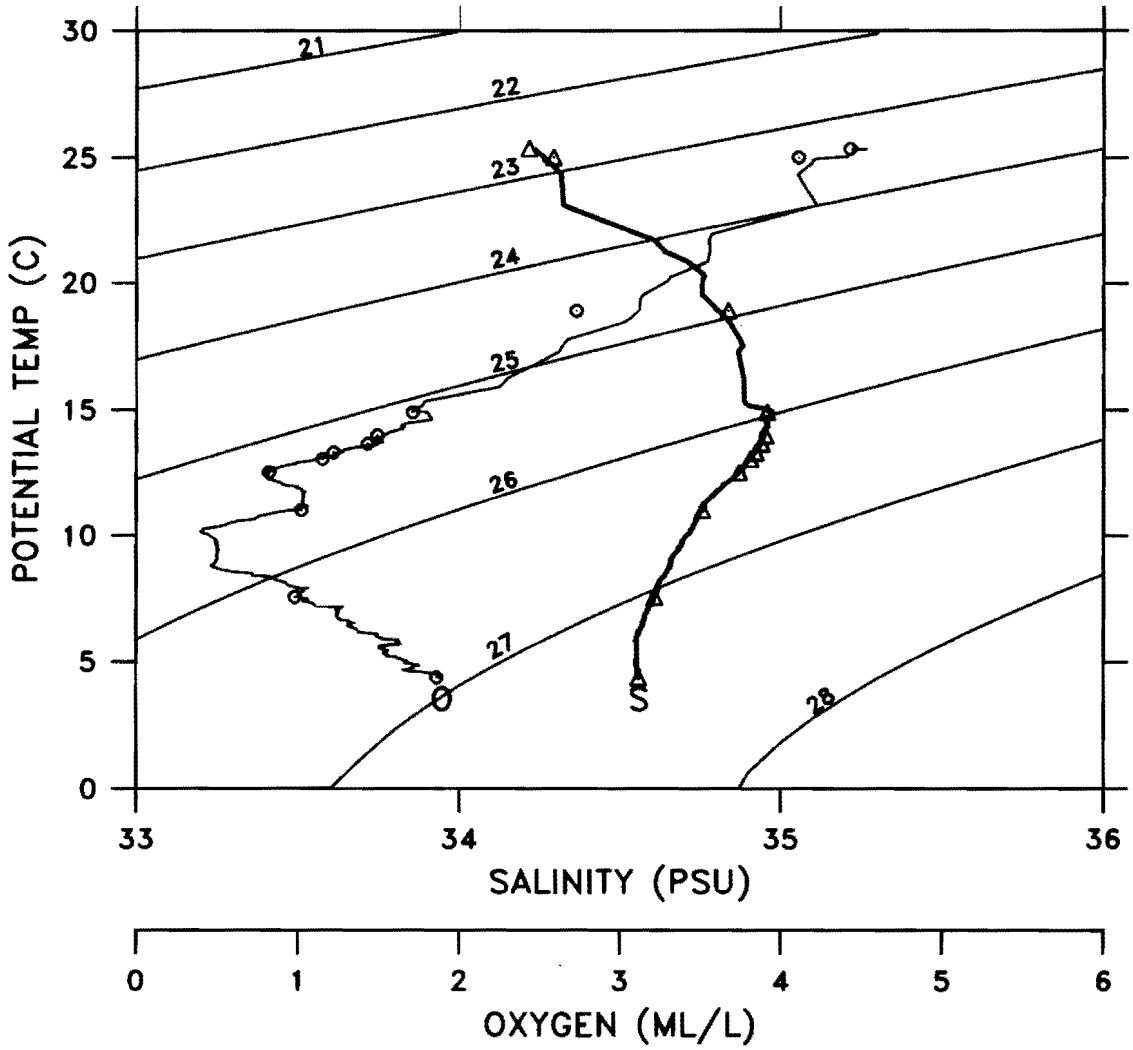


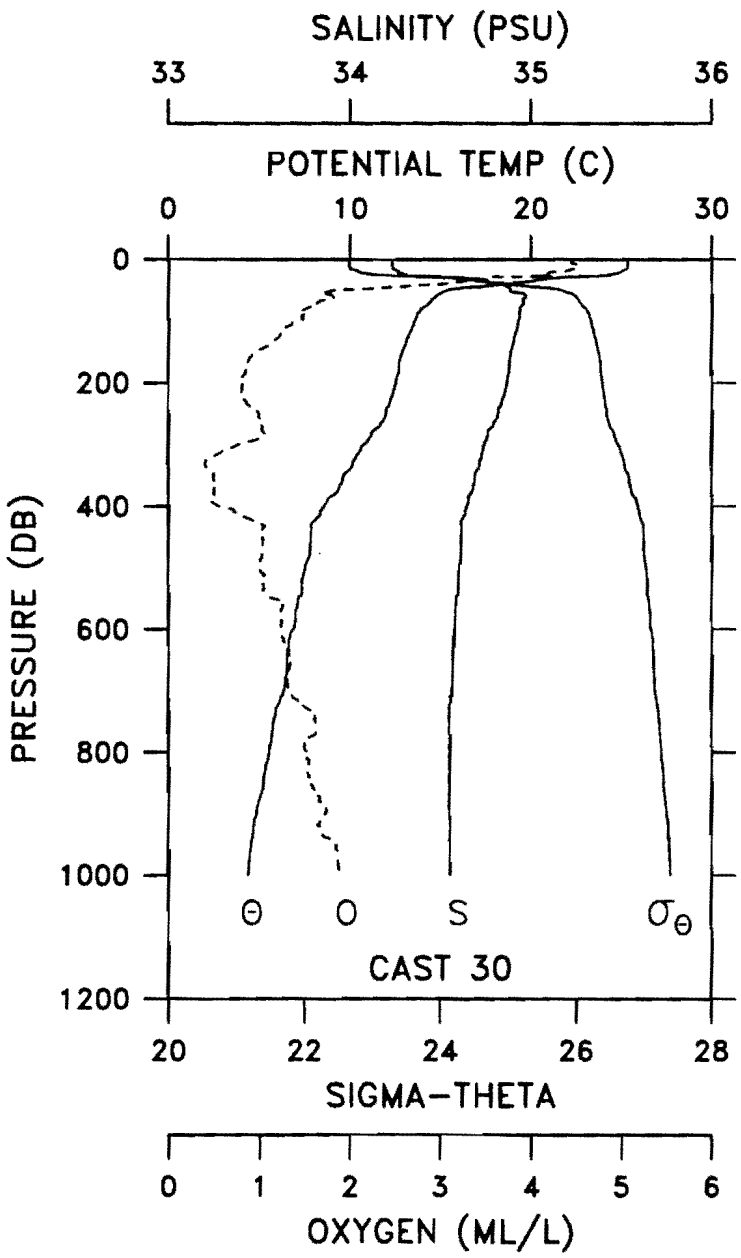
CAST EP2-88-OC -029 DATE 04 JUL 88 TIME 0726 GMT
LAT 01 00.1N LONG 110 00.3W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 150 T SPD 09 KT VISIBILITY 8
CLOUD 8 AMOUNT 8 DRY 22.2 WET 20.0 DEPTH 3807 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	24.740	34.387	4.68	22.959	0.000
10	24.744	34.387	4.73	22.958	0.049
20	24.721	34.390	4.68	22.966	0.098
30	20.808	34.686	3.75	24.308	0.142
40	19.500	34.804	3.13	24.744	0.176
50	16.054	34.937	2.30	25.688	0.204
60	15.197	34.935	1.93	25.879	0.226
70	14.392	34.940	1.56	26.059	0.246
80	14.171	34.949	1.61	26.112	0.265
90	13.956	34.947	1.62	26.156	0.284
100	13.815	34.944	1.54	26.183	0.303
110	13.569	34.931	1.45	26.224	0.321
120	13.356	34.917	1.45	26.257	0.339
130	13.150	34.904	1.58	26.289	0.357
140	13.090	34.902	1.59	26.299	0.375
150	13.041	34.900	1.62	26.308	0.392
160	12.994	34.898	1.68	26.316	0.409
170	12.920	34.896	1.90	26.329	0.427
180	12.888	34.896	1.92	26.335	0.444
190	12.801	34.891	1.78	26.349	0.461
200	12.760	34.893	1.78	26.359	0.479
250	12.479	34.879	1.25	26.403	0.564
300	11.718	34.814	0.75	26.499	0.647
350	9.829	34.697	0.76	26.744	0.722
400	8.261	34.634	0.86	26.947	0.785
450	8.097	34.631	0.90	26.970	0.843
500	7.631	34.609	1.04	27.022	0.900
550	7.358	34.595	1.17	27.050	0.956
600	7.057	34.586	1.22	27.085	1.009
650	6.519	34.570	1.32	27.146	1.061
700	6.346	34.566	1.36	27.165	1.111
750	5.930	34.555	1.54	27.210	1.160
800	5.615	34.555	1.52	27.249	1.207
900	4.848	34.553	1.72	27.338	1.295
1000	4.410	34.557	1.87	27.390	1.375
1005	4.406	34.557	1.87	27.391	1.379

CAST EP2-88-OC -030 DATE 04 JUL 88 TIME 1031 GMT

LAT 01 30.4N LONG 109 59.9W



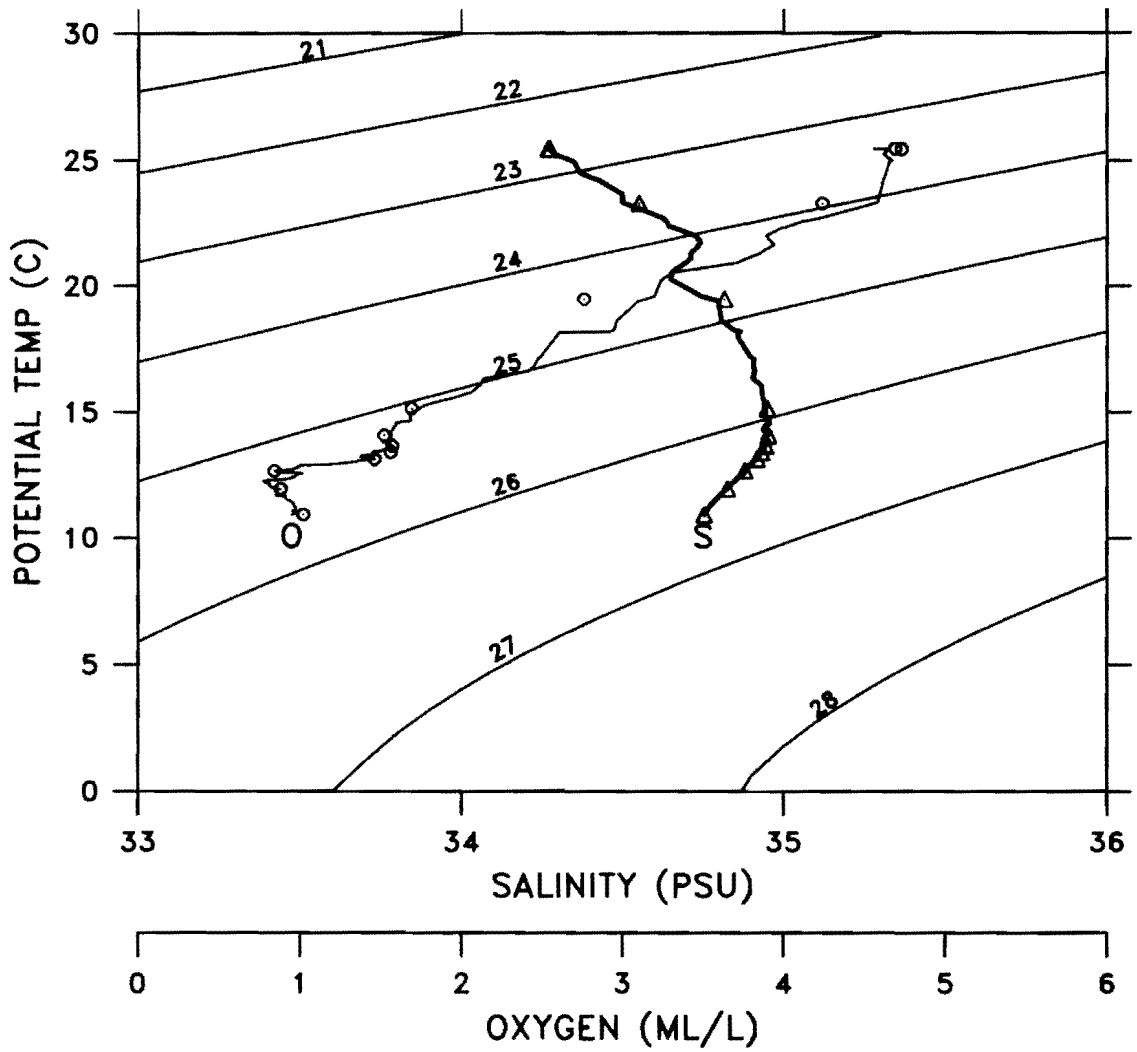


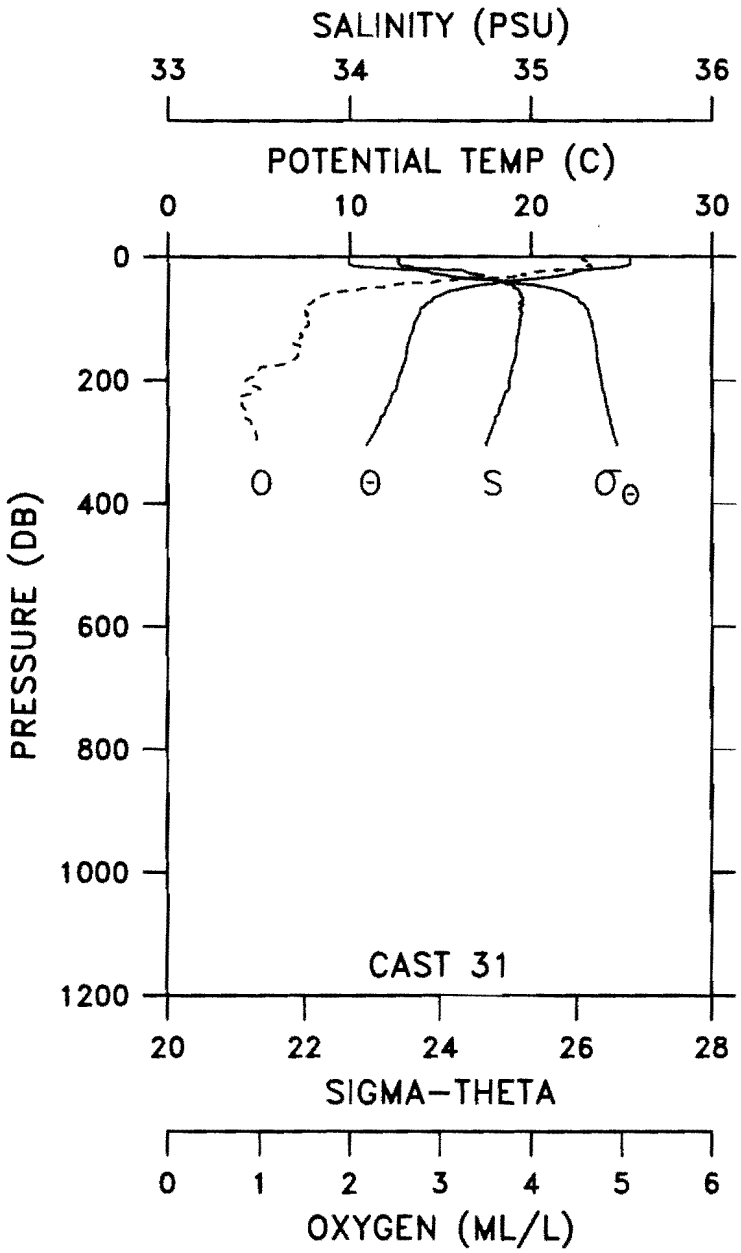
CAST EP2-88-OC -030 DATE 04 JUL 88 TIME 1031 GMT
LAT 01 30.4N LONG 109 59.9W WEATHER 1 SEA STATE 2
BAROMETER 13 WIND DIR 155 T SPD 10 KT VISIBILITY 8
CLOUD 8 AMOUNT 1 DRY 22.3 WET 20.1 DEPTH 3767 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.348	34.232	4.44	22.657	0.000
10	25.353	34.232	4.53	22.655	0.052
20	24.971	34.268	4.21	22.799	0.103
30	21.251	34.640	3.56	24.152	0.150
40	18.463	34.840	3.03	25.035	0.183
50	15.428	34.885	1.86	25.790	0.208
60	14.762	34.971	1.81	26.003	0.229
70	14.418	34.959	1.65	26.067	0.249
80	13.934	34.939	1.52	26.155	0.268
90	13.705	34.940	1.49	26.203	0.286
100	13.562	34.932	1.40	26.226	0.305
110	13.438	34.924	1.29	26.246	0.323
120	13.302	34.916	1.23	26.267	0.341
130	13.128	34.907	1.17	26.296	0.358
140	13.026	34.899	1.10	26.310	0.376
150	12.869	34.889	0.97	26.334	0.393
160	12.762	34.884	0.89	26.351	0.410
170	12.707	34.881	0.86	26.359	0.427
180	12.699	34.881	0.85	26.361	0.444
190	12.584	34.872	0.81	26.377	0.461
200	12.514	34.867	0.80	26.387	0.478
250	11.976	34.820	0.99	26.454	0.561
300	10.768	34.743	0.76	26.617	0.639
350	9.644	34.691	0.49	26.771	0.710
400	8.594	34.647	0.56	26.906	0.775
450	7.860	34.618	1.04	26.995	0.833
500	7.552	34.609	1.00	27.033	0.889
550	7.187	34.589	1.16	27.070	0.944
600	6.863	34.578	1.25	27.105	0.997
650	6.540	34.572	1.33	27.144	1.048
700	6.336	34.565	1.34	27.165	1.099
750	5.767	34.551	1.63	27.227	1.147
800	5.519	34.555	1.53	27.261	1.193
900	4.835	34.552	1.73	27.339	1.280
1000	4.384	34.558	1.89	27.394	1.360
1008	4.373	34.558	1.89	27.395	1.367

CAST EP2-88-OC -031 DATE 04 JUL 88 TIME 1400 GMT

LAT 02 03.0N LONG 110 07.6W



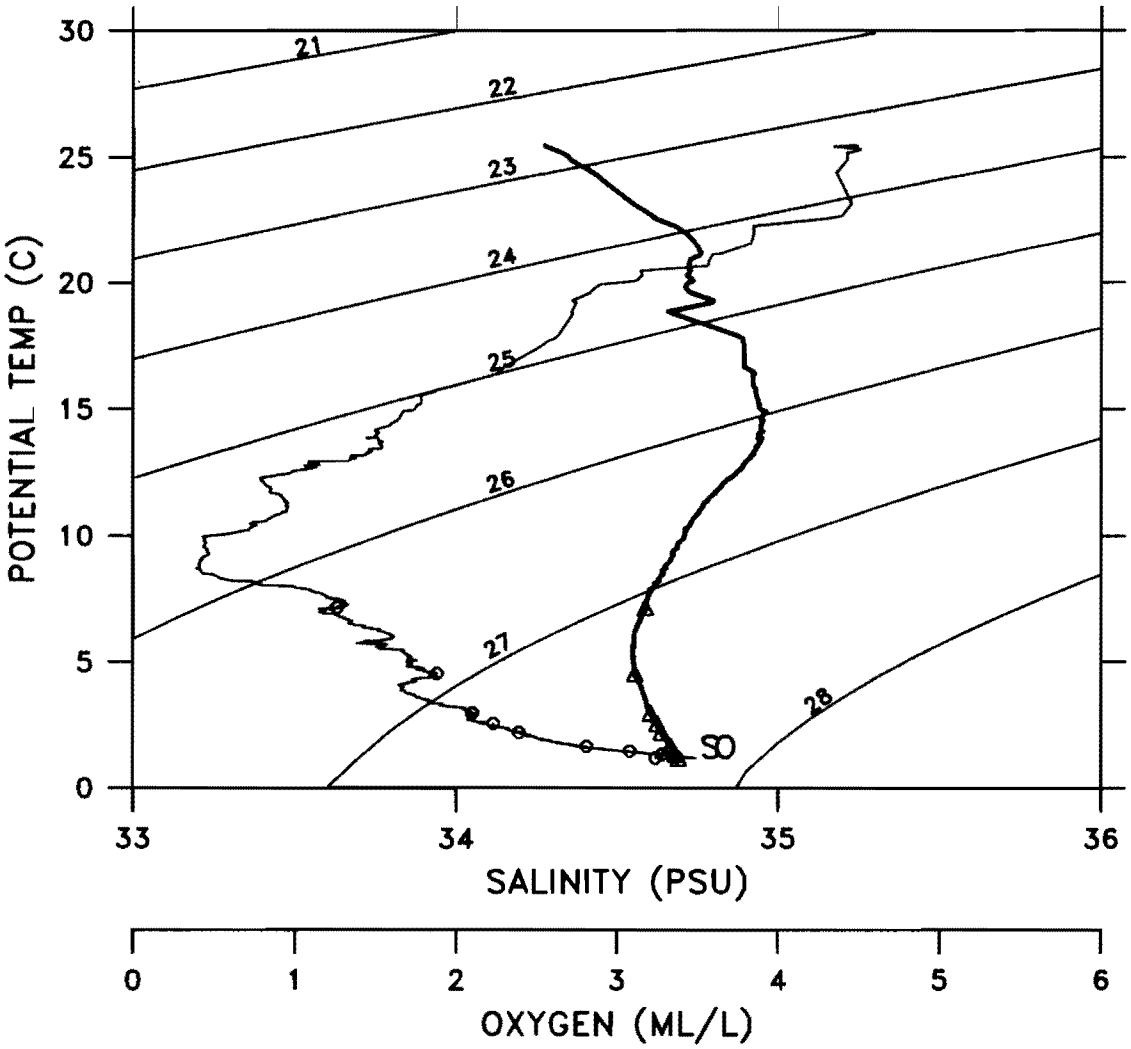


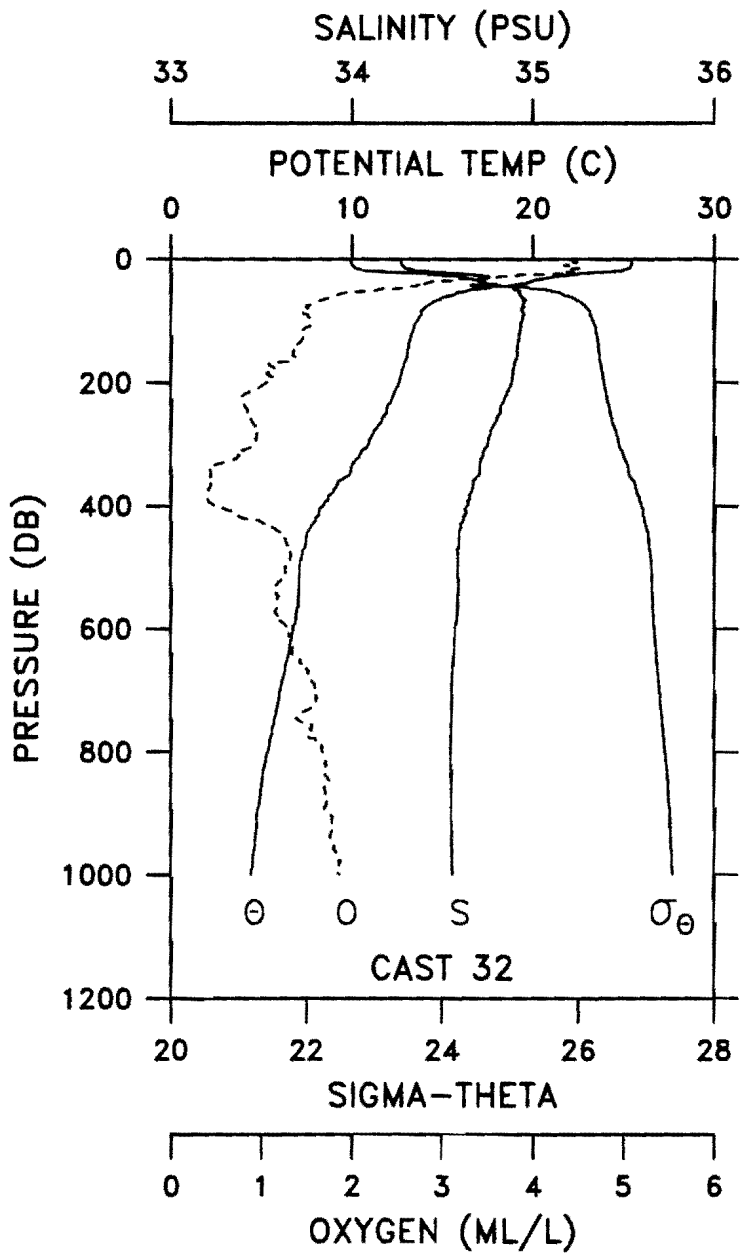
CAST EP2-88-OC -031 DATE 04 JUL 88 TIME 1400 GMT
LAT 02 03.0N LONG 110 07.6W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 155 T SPD 10 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 22.6 WET 20.5 DEPTH 3857 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.452	34.268	4.56	22.652	0.000
10	25.453	34.268	4.64	22.652	0.052
20	23.652	34.500	4.59	23.367	0.102
30	21.791	34.741	3.92	24.081	0.143
40	18.618	34.806	2.96	24.971	0.178
50	16.477	34.907	2.28	25.566	0.205
60	15.224	34.945	1.76	25.881	0.227
70	14.577	34.954	1.60	26.030	0.248
80	14.128	34.955	1.56	26.126	0.267
90	13.885	34.952	1.52	26.175	0.286
100	13.712	34.942	1.55	26.203	0.305
110	13.551	34.938	1.55	26.233	0.323
120	13.473	34.932	1.49	26.245	0.341
130	13.326	34.923	1.47	26.268	0.359
140	13.223	34.919	1.37	26.286	0.377
150	13.154	34.917	1.45	26.298	0.394
160	13.123	34.915	1.42	26.303	0.412
170	13.039	34.907	1.35	26.314	0.429
180	12.899	34.893	1.01	26.331	0.447
190	12.789	34.886	0.96	26.347	0.464
200	12.684	34.879	0.85	26.363	0.481
250	11.951	34.824	0.87	26.462	0.565
300	11.024	34.757	0.96	26.582	0.643
305	10.935	34.754	0.95	26.596	0.651

CAST EP2-88-OC -032 DATE 04 JUL 88 TIME 1756 GMT

LAT 02 02.3N LONG 110 09.0W



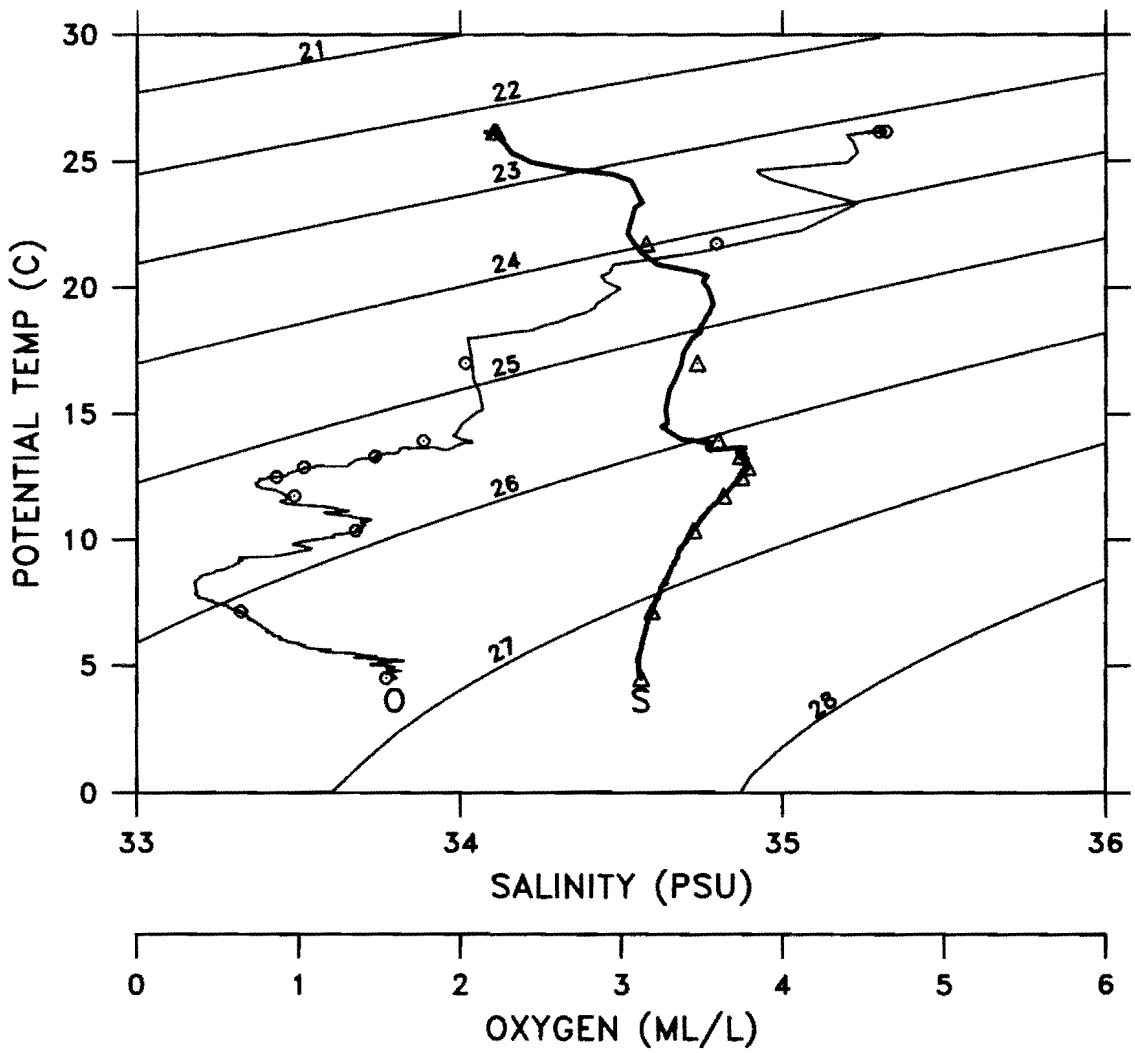


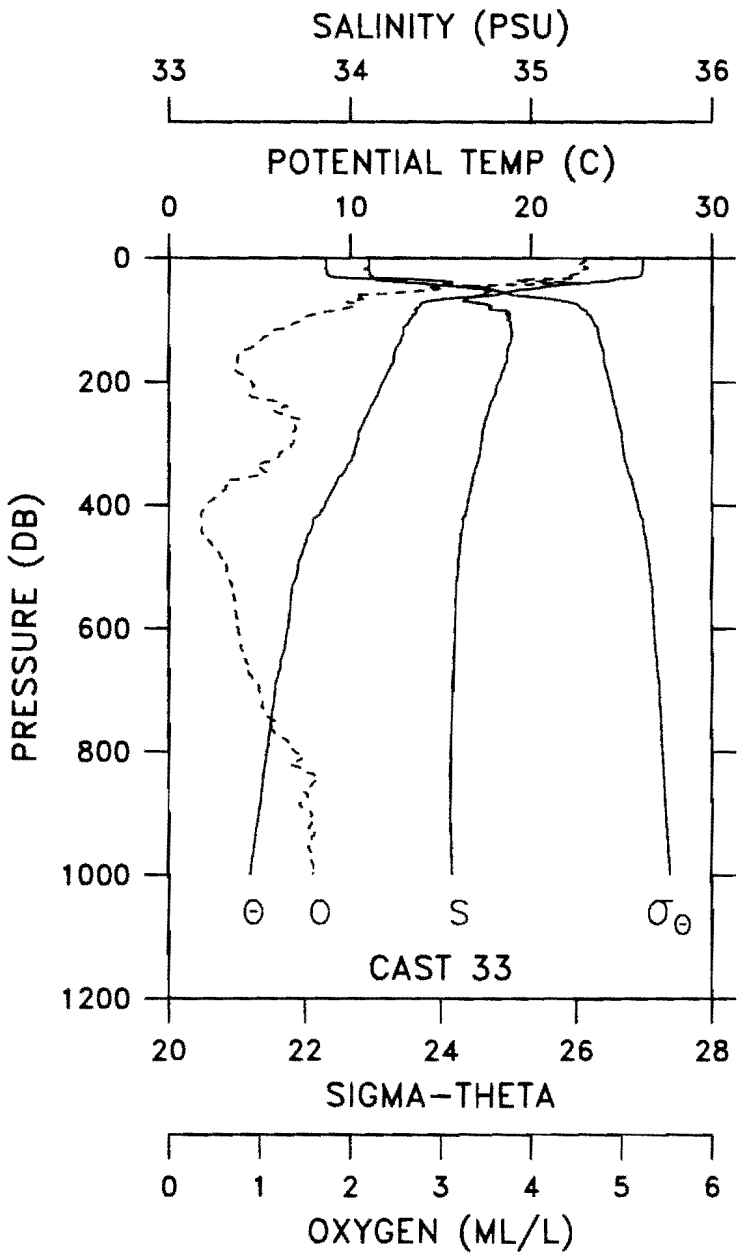
CAST EP2-88-OC -032 DATE 04 JUL 88 TIME 1756 GMT
LAT 02 02.3N LONG 110 09.0W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 155 T SPD 13 KT VISIBILITY 8
CLOUD 3 AMOUNT 3 DRY 25.8 WET 22.8 DEPTH 3785 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	25.455	34.275	4.44	22.657	0.000
10	25.426	34.278	4.34	22.667	0.052
20	24.378	34.427	4.36	23.097	0.103
30	20.906	34.727	3.57	24.313	0.143
40	19.304	34.799	2.72	24.791	0.177
50	16.487	34.921	2.27	25.575	0.205
60	15.201	34.940	1.78	25.883	0.228
70	14.503	34.951	1.62	26.043	0.248
80	14.017	34.939	1.51	26.137	0.268
90	13.860	34.952	1.51	26.180	0.286
100	13.637	34.942	1.53	26.219	0.305
110	13.435	34.933	1.51	26.253	0.323
120	13.334	34.926	1.47	26.268	0.341
130	13.238	34.923	1.45	26.286	0.358
140	13.151	34.917	1.36	26.299	0.376
150	13.079	34.914	1.35	26.311	0.393
160	13.050	34.911	1.37	26.315	0.411
170	12.898	34.898	1.09	26.335	0.428
180	12.780	34.891	1.15	26.353	0.445
190	12.692	34.889	1.13	26.369	0.462
200	12.613	34.883	1.05	26.380	0.479
250	11.879	34.817	0.85	26.470	0.562
300	10.892	34.750	0.91	26.601	0.640
350	9.830	34.702	0.44	26.748	0.711
400	8.397	34.637	0.51	26.929	0.774
450	7.488	34.594	1.24	27.030	0.831
500	7.128	34.587	1.27	27.076	0.885
550	7.034	34.588	1.18	27.090	0.938
600	6.755	34.575	1.30	27.118	0.990
650	6.413	34.563	1.43	27.154	1.041
700	6.031	34.554	1.61	27.196	1.090
750	5.707	34.553	1.43	27.236	1.138
800	5.347	34.548	1.67	27.276	1.183
900	4.779	34.553	1.74	27.346	1.268
1000	4.422	34.558	1.87	27.389	1.350
1500	2.973	34.603	2.09	27.571	1.691
2000	2.214	34.637	2.38	27.664	1.978
2500	1.667	34.665	2.77	27.729	2.228
3000	1.460	34.673	3.04	27.751	2.460
3500	1.238	34.687	3.39	27.777	2.683
3820	1.189	34.689	3.47	27.782	2.823

CAST EP2-88-OC -033 DATE 05 JUL 88 TIME 0019 GMT

LAT 02 59.6N LONG 109 59.8W



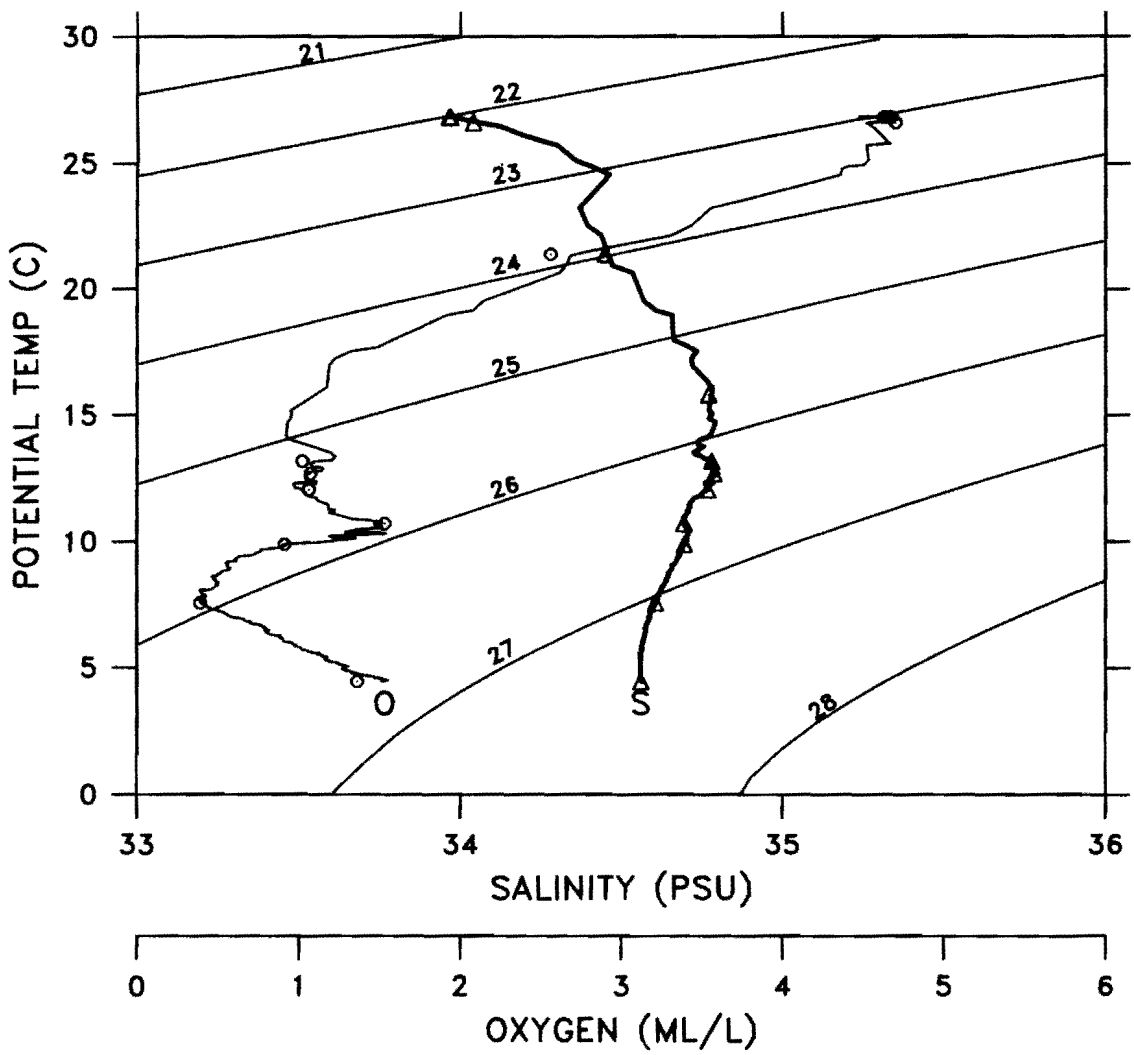


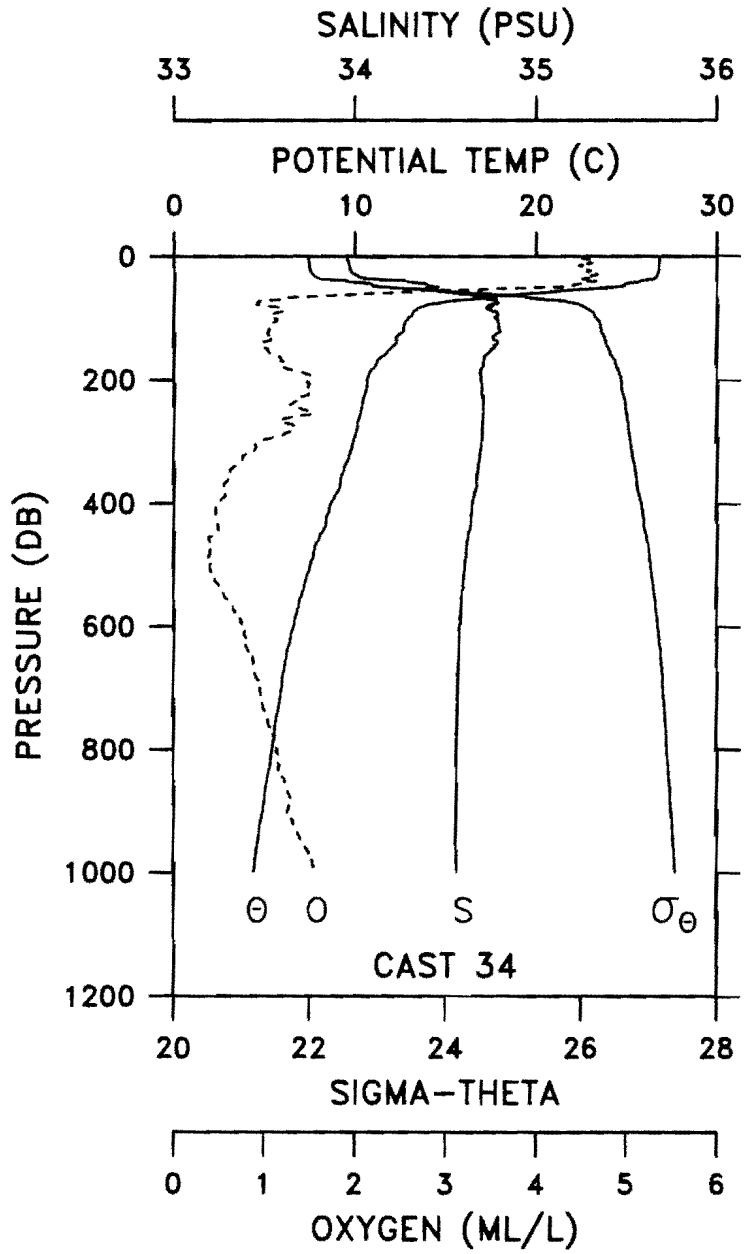
CAST EP2-88-OC -033 DATE 05 JUL 88 TIME 0019 GMT
LAT 02 59.6N LONG 109 59.8W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 190 T SPD 20 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 24.6 WET 21.3 DEPTH 3882 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.164	34.104	4.60	22.308	0.000
10	26.164	34.104	4.51	22.308	0.055
20	26.144	34.105	4.55	22.315	0.110
30	25.951	34.118	4.41	22.385	0.165
40	23.207	34.542	4.42	23.528	0.214
50	19.972	34.768	2.99	24.594	0.252
60	17.971	34.718	2.05	25.065	0.283
70	14.237	34.656	1.97	25.872	0.307
80	13.767	34.773	1.98	26.061	0.328
90	13.629	34.864	1.63	26.160	0.346
100	13.255	34.872	1.48	26.243	0.365
110	13.022	34.884	1.31	26.299	0.382
120	12.940	34.891	1.11	26.321	0.400
130	12.835	34.890	1.03	26.341	0.417
140	12.671	34.879	0.95	26.365	0.434
150	12.474	34.869	0.81	26.396	0.451
160	12.410	34.865	0.76	26.406	0.467
170	12.372	34.860	0.76	26.409	0.484
180	12.152	34.844	0.74	26.440	0.500
190	11.996	34.834	0.84	26.461	0.516
200	11.804	34.819	0.90	26.486	0.532
250	10.994	34.759	1.20	26.590	0.610
300	10.336	34.721	1.36	26.676	0.682
350	9.552	34.681	1.02	26.778	0.752
400	8.612	34.648	0.42	26.904	0.815
450	7.656	34.611	0.42	27.019	0.873
500	7.135	34.596	0.64	27.082	0.928
550	6.746	34.582	0.73	27.124	0.979
600	6.570	34.578	0.77	27.145	1.030
650	6.190	34.569	0.84	27.188	1.079
700	5.860	34.564	1.00	27.226	1.127
750	5.643	34.560	1.16	27.250	1.173
800	5.408	34.554	1.39	27.274	1.218
900	4.961	34.553	1.57	27.326	1.305
1000	4.490	34.561	1.59	27.385	1.387
1002	4.485	34.562	1.59	27.386	1.389

CAST EP2-88-OC -034 DATE 05 JUL 88 TIME 0534 GMT

LAT 04 00.3N LONG 110 00.1W



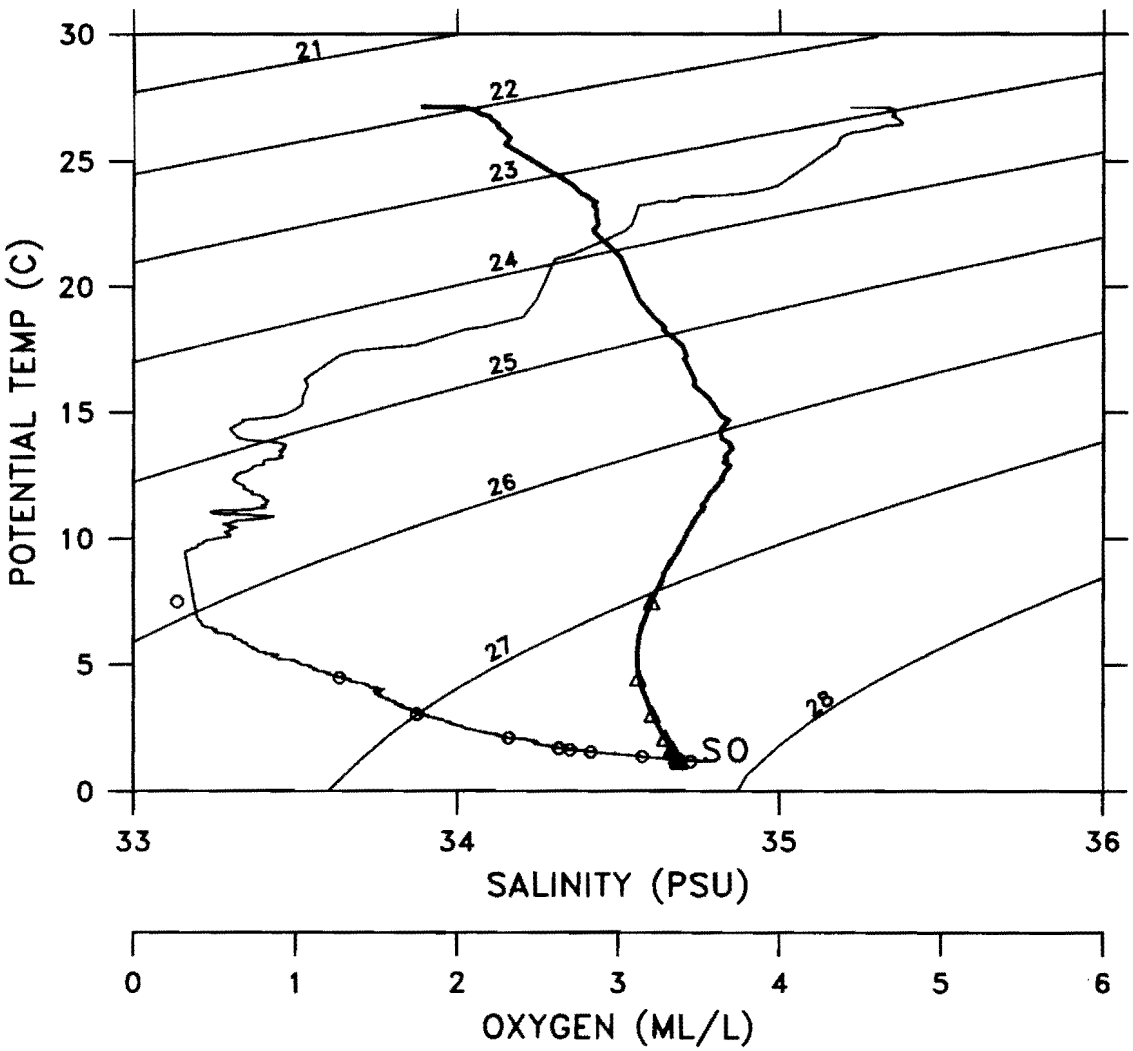


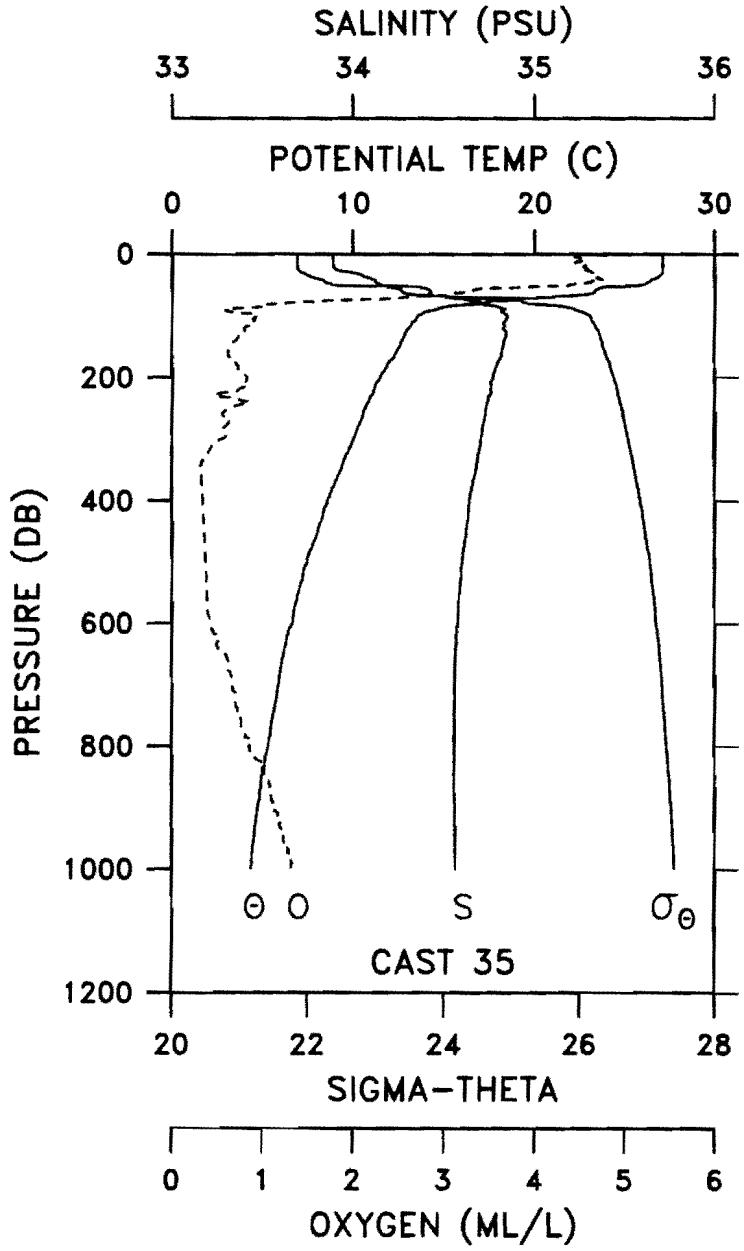
CAST EP2-88-OC -034 DATE 05 JUL 88 TIME 0534 GMT
LAT 04 00.3N LONG 110 00.1W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 180 T SPD 20 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 25.0 WET 22.4 DEPTH 3882 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.830	33.957	4.51	21.988	0.000
10	26.819	33.967	4.59	21.999	0.058
20	26.813	33.970	4.54	22.003	0.116
30	26.711	34.011	4.69	22.066	0.174
40	25.801	34.275	4.67	22.550	0.231
50	24.116	34.432	4.10	23.179	0.281
60	19.523	34.569	2.14	24.559	0.321
70	16.095	34.783	1.17	25.560	0.350
80	13.842	34.738	1.04	26.019	0.372
90	13.219	34.785	1.19	26.183	0.391
100	12.960	34.777	1.10	26.229	0.409
110	12.748	34.794	1.06	26.284	0.427
120	12.690	34.799	1.05	26.299	0.445
130	12.297	34.758	1.11	26.345	0.462
140	12.298	34.785	0.97	26.365	0.479
150	11.936	34.752	1.04	26.409	0.496
160	11.612	34.720	1.11	26.445	0.512
170	11.247	34.708	1.22	26.504	0.528
180	11.087	34.701	1.22	26.528	0.543
190	10.803	34.690	1.48	26.570	0.558
200	10.687	34.694	1.47	26.594	0.573
250	10.340	34.708	1.53	26.666	0.646
300	9.916	34.697	0.94	26.730	0.716
350	9.348	34.677	0.61	26.809	0.783
400	8.693	34.648	0.49	26.891	0.847
450	8.117	34.623	0.46	26.961	0.907
500	7.558	34.606	0.40	27.030	0.964
550	7.088	34.590	0.56	27.084	1.018
600	6.649	34.577	0.77	27.133	1.070
650	6.258	34.573	0.88	27.182	1.119
700	5.991	34.566	0.96	27.211	1.167
750	5.689	34.563	1.04	27.246	1.214
800	5.468	34.560	1.15	27.272	1.259
900	4.961	34.559	1.27	27.331	1.346
1000	4.457	34.564	1.53	27.391	1.428
1000	4.457	34.564	1.53	27.391	1.428

CAST EP2-88-OC -035 DATE 05 JUL 88 TIME 1146 GMT

LAT 05 00.1N LONG 110 00.0W



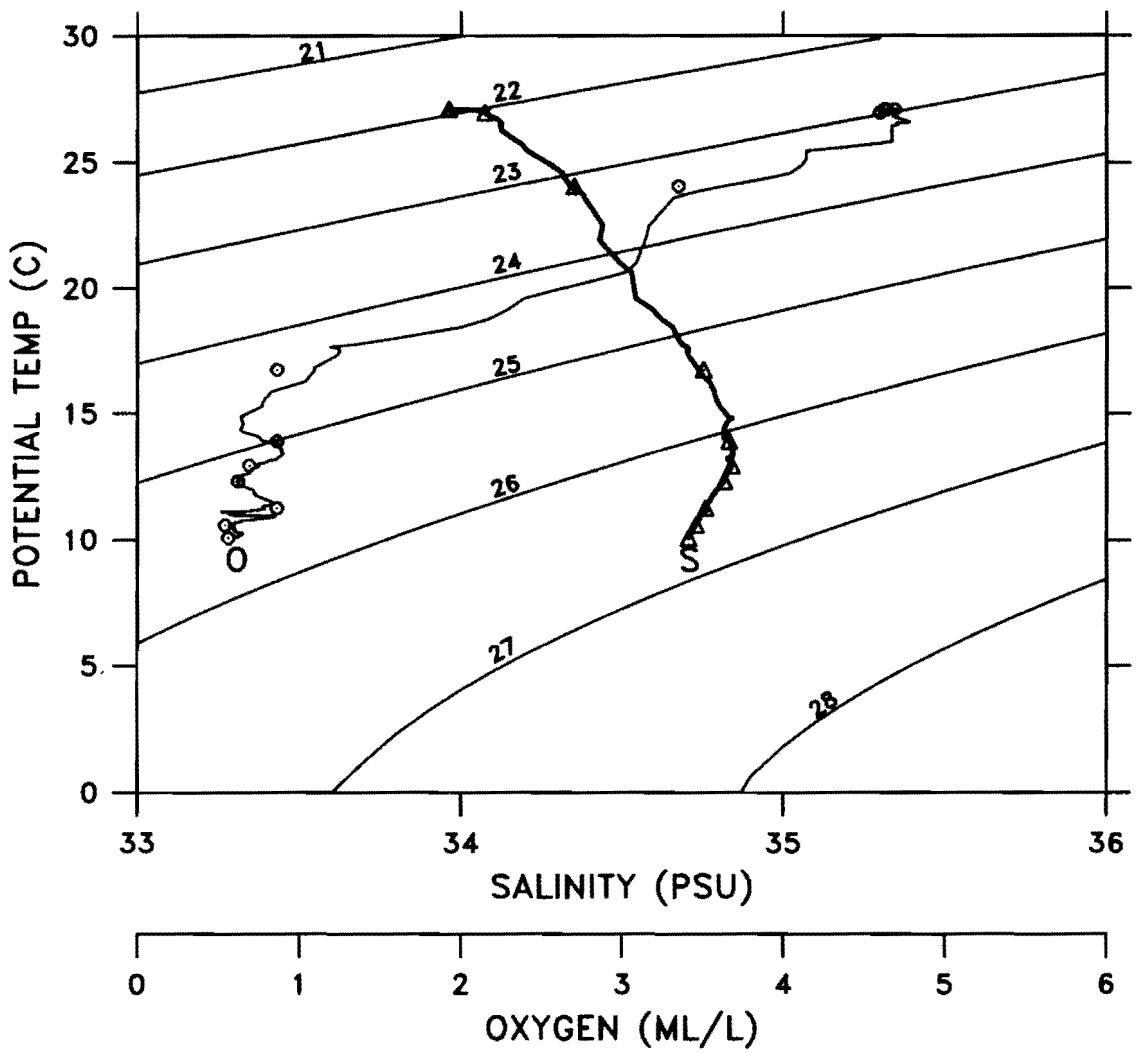


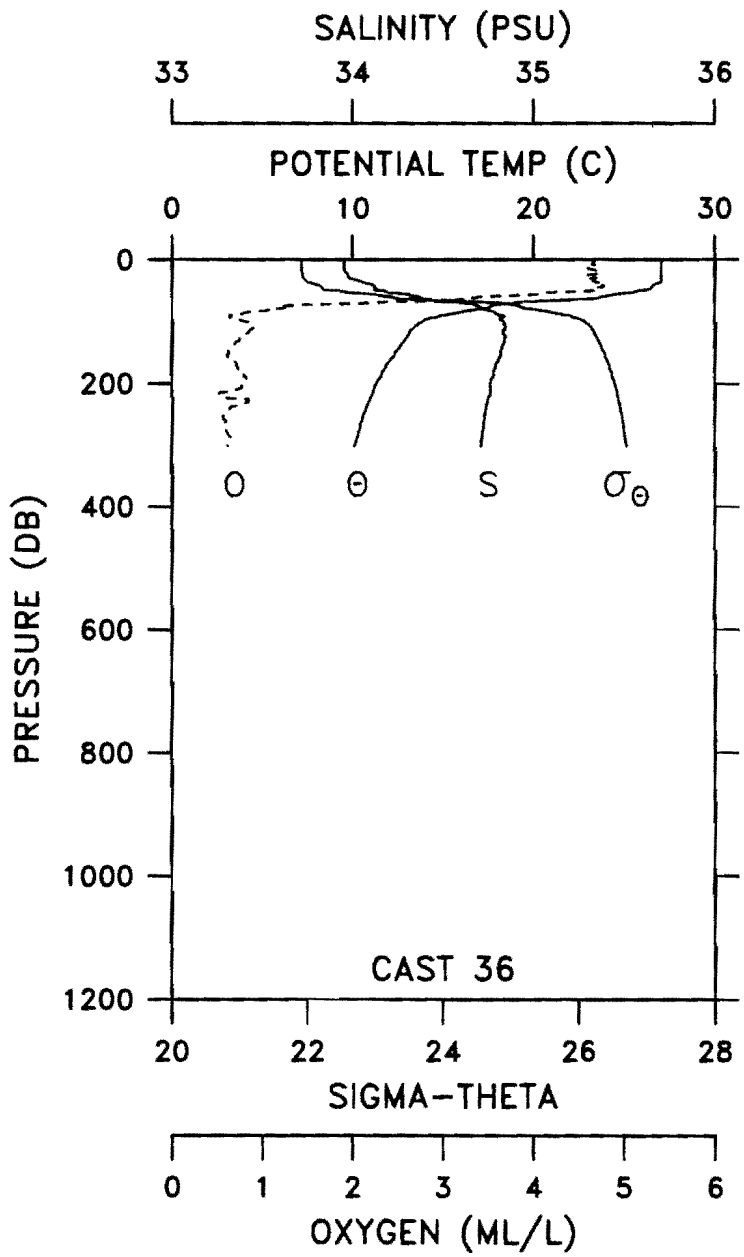
CAST EP2-88-OC -035 DATE 05 JUL 88 TIME 1146 GMT
LAT 05 00.1N LONG 110 00.0W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 175 T SPD 23 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 24.9 WET 22.2 DEPTH 3901 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.105	33.893	4.44	21.853	0.000
10	27.110	33.894	4.52	21.852	0.060
20	27.110	33.896	4.54	21.854	0.119
30	27.101	34.004	4.66	21.937	0.179
40	26.638	34.104	4.74	22.160	0.236
50	25.915	34.163	4.37	22.430	0.292
60	23.364	34.431	3.23	23.398	0.339
70	20.295	34.535	2.55	24.330	0.382
80	17.106	34.702	1.24	25.262	0.411
90	14.514	34.829	0.64	25.947	0.434
100	13.571	34.853	0.92	26.163	0.454
110	13.251	34.832	0.90	26.212	0.472
120	13.038	34.826	0.80	26.251	0.490
130	12.861	34.843	0.74	26.300	0.508
140	12.683	34.834	0.71	26.328	0.525
150	12.570	34.826	0.64	26.344	0.543
160	12.359	34.817	0.61	26.378	0.560
170	12.137	34.810	0.67	26.415	0.576
180	11.890	34.792	0.72	26.449	0.593
190	11.719	34.781	0.78	26.473	0.609
200	11.503	34.772	0.83	26.506	0.625
250	10.696	34.734	0.62	26.624	0.700
300	10.035	34.706	0.54	26.717	0.771
350	9.351	34.677	0.32	26.809	0.839
400	8.625	34.643	0.34	26.898	0.902
450	8.081	34.626	0.35	26.968	0.962
500	7.514	34.605	0.37	27.035	1.018
550	7.021	34.589	0.39	27.092	1.072
600	6.685	34.578	0.41	27.130	1.124
650	6.195	34.566	0.59	27.185	1.173
700	5.901	34.561	0.66	27.219	1.221
750	5.608	34.560	0.75	27.254	1.267
800	5.345	34.560	0.85	27.286	1.312
900	4.758	34.561	1.14	27.355	1.396
1000	4.380	34.568	1.33	27.402	1.476
1500	2.964	34.609	1.81	27.576	1.818
2000	2.120	34.644	2.29	27.677	2.100
2500	1.683	34.666	2.64	27.729	2.346
3000	1.516	34.674	2.87	27.747	2.581
3500	1.252	34.686	3.33	27.776	2.806
3941	1.164	34.690	3.54	27.785	3.000

CAST EP2-88-OC -036 DATE 05 JUL 88 TIME 1456 GMT

LAT 04 58.2N LONG 109 59.2W



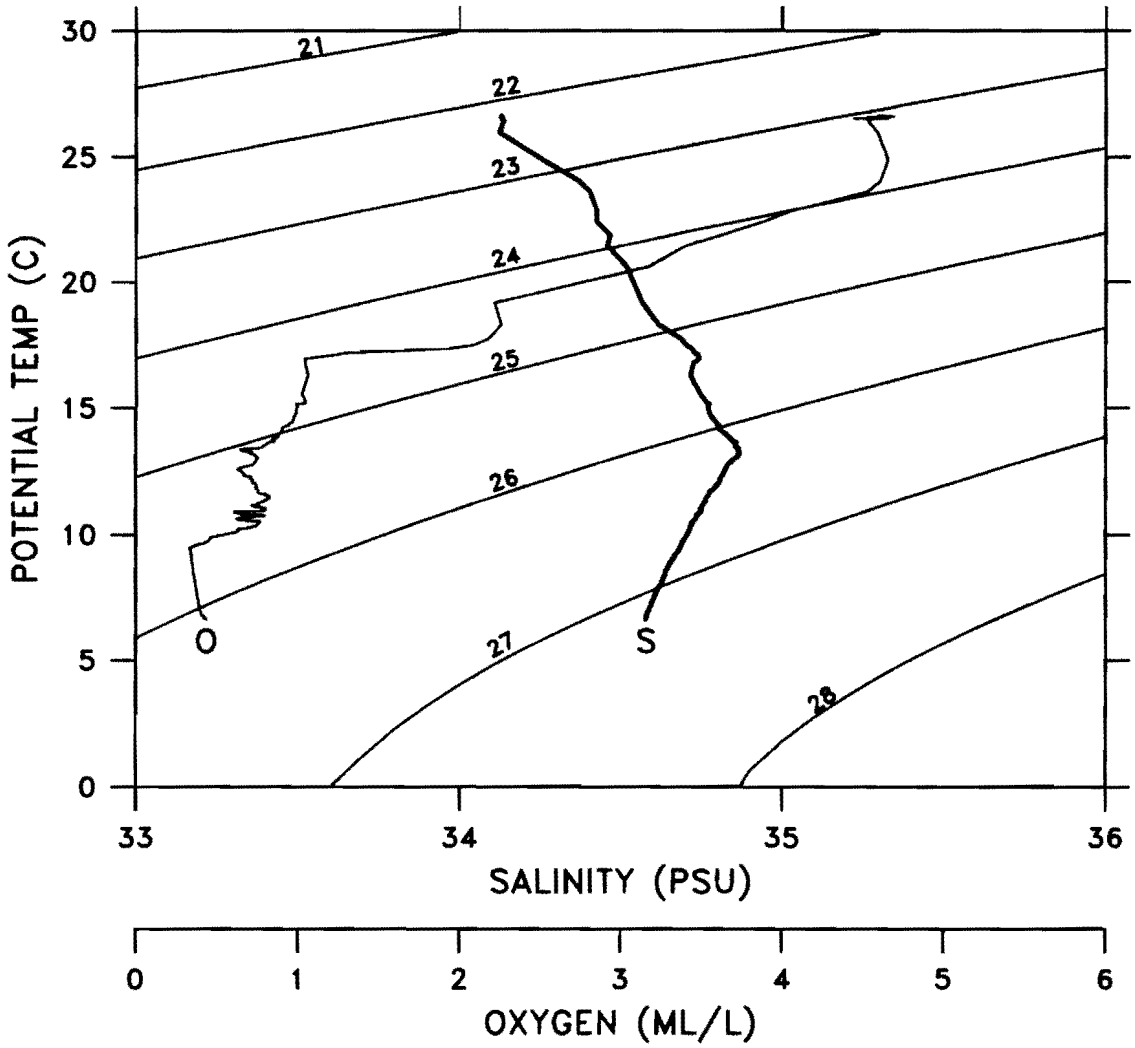


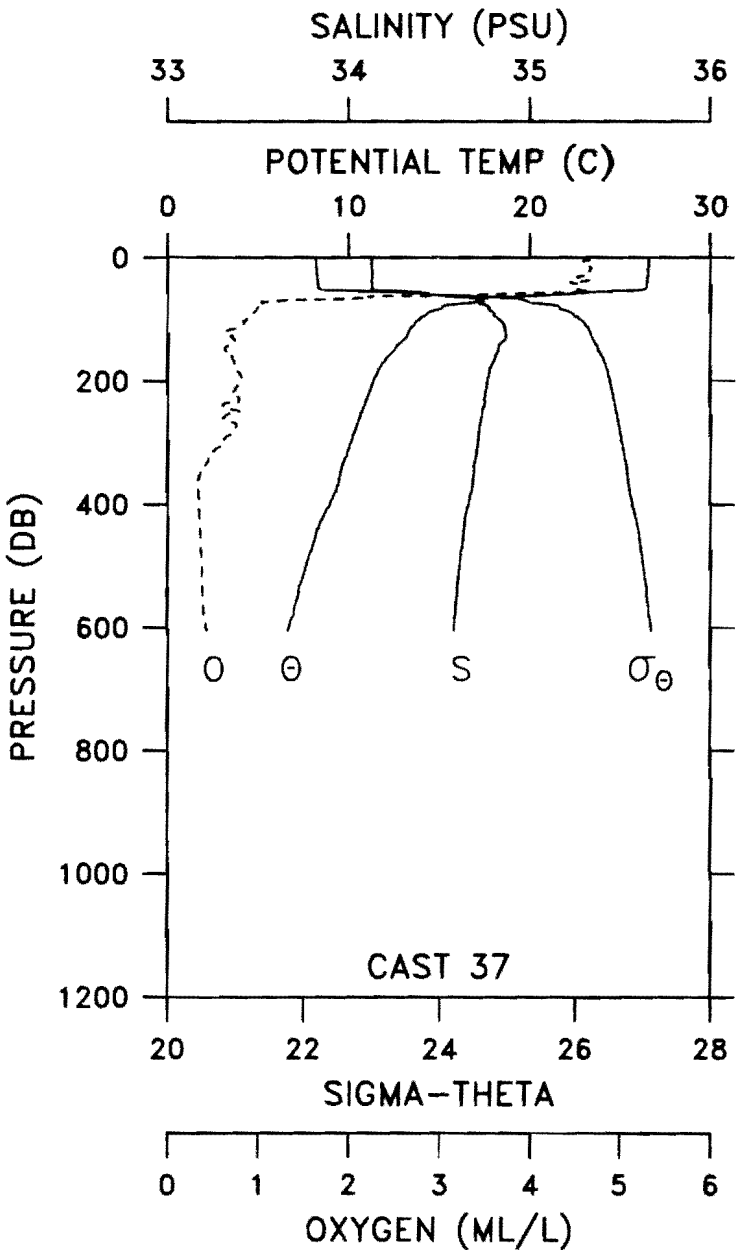
CAST EP2-88-OC -036 DATE 05 JUL 88 TIME 1456 GMT
LAT 04 58.2N LONG 109 59.2W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 185 T SPD 25 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 25.6 WET 22.1 DEPTH 3919 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	27.071	33.954	4.67	21.910	0.000
10	27.061	33.954	4.66	21.913	0.059
20	27.066	33.962	4.68	21.917	0.118
30	27.069	33.984	4.70	21.933	0.177
40	26.723	34.108	4.71	22.136	0.235
50	25.839	34.172	4.68	22.460	0.291
60	23.736	34.377	3.40	23.249	0.342
70	18.786	34.619	2.17	24.786	0.382
80	16.806	34.733	1.08	25.357	0.411
90	14.879	34.829	0.64	25.868	0.435
100	13.888	34.834	0.80	26.083	0.455
110	13.410	34.842	0.90	26.188	0.474
120	13.145	34.835	0.82	26.236	0.493
130	12.895	34.837	0.75	26.289	0.510
140	12.626	34.826	0.69	26.333	0.528
150	12.334	34.817	0.63	26.384	0.545
160	12.149	34.805	0.63	26.410	0.561
170	11.873	34.790	0.72	26.451	0.578
180	11.653	34.775	0.78	26.481	0.594
190	11.531	34.773	0.83	26.502	0.610
200	11.327	34.759	0.77	26.528	0.625
250	10.602	34.730	0.59	26.637	0.700
300	10.126	34.708	0.62	26.703	0.771
302	10.084	34.709	0.61	26.711	0.774

CAST EP2-88-OC -037 DATE 06 JUL 88 TIME 2013 GMT

LAT 05 03.4N LONG 110 01.4W





CAST EP2-88-OC -037 DATE 06 JUL 88 TIME 2013 GMT
LAT 05 03.4N LONG 110 01.4W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 165 T SPD 21 KT VISIBILITY 8
CLOUD 2 AMOUNT 2 DRY 25.1 WET 23.0 DEPTH 3920 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	OXY (ML/L)	SIG-TH	DELTA-D (DYN-M)
0	26.617	34.129	4.66	22.185	0.000
10	26.608	34.129	4.60	22.188	0.056
20	26.578	34.130	4.66	22.198	0.113
30	26.557	34.131	4.60	22.205	0.169
40	26.517	34.129	4.44	22.217	0.225
50	26.471	34.133	4.53	22.234	0.281
60	21.468	34.457	3.40	23.955	0.330
70	17.131	34.741	1.25	25.285	0.361
80	15.168	34.773	1.02	25.761	0.385
90	14.353	34.799	0.94	25.958	0.407
100	13.893	34.832	0.88	26.081	0.427
110	13.598	34.856	0.81	26.160	0.446
120	13.313	34.865	0.65	26.226	0.464
130	13.152	34.866	0.72	26.259	0.483
140	12.755	34.833	0.73	26.313	0.500
150	12.529	34.823	0.64	26.350	0.517
160	12.166	34.808	0.72	26.409	0.534
170	11.885	34.793	0.74	26.451	0.550
180	11.702	34.776	0.75	26.472	0.567
190	11.550	34.772	0.81	26.498	0.582
200	11.388	34.765	0.82	26.522	0.598
250	10.739	34.734	0.74	26.616	0.673
300	10.112	34.709	0.62	26.706	0.745
350	9.561	34.687	0.36	26.782	0.813
400	8.976	34.660	0.35	26.856	0.878
450	8.190	34.630	0.36	26.955	0.939
500	7.641	34.607	0.38	27.019	0.997
550	7.193	34.593	0.39	27.071	1.052
600	6.693	34.579	0.42	27.129	1.104
605	6.643	34.577	0.43	27.135	1.109

CAST EP2-88-OC -001 LAT 05 01.4N LONG 139 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
19.	27.168	34.766	1.51	27.164	22.491
147.	12.319	34.686	0.94	12.300	26.288
197.	11.642	34.794	0.70	11.617	26.502
296.	10.489	34.739	0.50	10.453	26.670
496.	8.453	34.627	0.32	8.400	26.920
1003.	4.535	34.559	0.51	4.455	27.387

CAST EP2-88-OC -002 LAT 02 00.8N LONG 140 01.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
4.	24.130	35.114	1.61	24.129	23.691
22.	24.129	35.114	1.62	24.124	23.692
40.	24.046	35.110	1.66	24.038	23.715
118.	13.816	34.837	0.55	13.799	26.104
149.	13.110	34.901	0.34	13.089	26.299
198.	12.355	34.860	0.24	12.329	26.418
299.	11.131	34.780	0.35	11.094	26.588
499.	8.239	34.630	0.33	8.187	26.955
1001.	4.504	34.557	0.61	4.424	27.389

CAST EP2-88-OC -003 LAT 00 01.6S LONG 139 50.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
496.	8.428	34.647	0.23	8.376	26.940
995.	4.629	34.556	0.66	4.549	27.374
1494.	3.051	34.605	0.75	2.943	27.575
1745.	2.449	34.631	0.84	2.327	27.649
2002.	2.200	34.647	0.86	2.060	27.684
2493.	1.863	34.665	0.98	1.686	27.728
2992.	1.669	34.676	1.11	1.449	27.754
3493.	1.472	34.689	1.26	1.207	27.781
3998.	1.403	34.695	1.37	1.087	27.794
4404.	1.424	34.696	1.42	1.062	27.797

CAST EP2-88-OC -004 LAT 00 01.5S LONG 139 49.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	23.928	35.229	1.57	23.927	23.838
12.	23.594	35.230	1.47	23.592	23.938
19.	23.504	35.226	1.62	23.500	23.961
39.	23.156	35.209	1.53	23.148	24.051
200.	12.719	34.871	0.93	12.692	26.355
248.	12.126	34.859	0.70	12.093	26.462

CAST EP2-88-OC -005 LAT 00 01.5N LONG 134 58.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
498.	8.804	34.665	0.19	8.750	26.896
996.	4.609	34.554	0.63	4.529	27.375
1496.	3.041	34.604	0.73	2.933	27.575
1745.	2.652	34.622	0.77	2.528	27.625
1996.	2.262	34.643	0.84	2.122	27.676
2493.	1.844	34.665	0.99	1.667	27.729
2995.	1.684	34.674	1.10	1.464	27.751
3496.	1.516	34.686	1.23	1.250	27.776
4009.	1.408	34.693	1.36	1.091	27.793
4385.	1.443	34.693	1.36	1.083	27.793

CAST EP2-88-OC -006 LAT 00 01.8N LONG 134 58.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
9.	22.264	35.000	1.49	22.262	24.146
20.	22.055	35.000	1.56	22.051	24.205
42.	21.607	35.004	1.52	21.599	24.334
60.	20.638	35.018	1.41	20.627	24.610
150.	14.365	34.886	1.13	14.343	26.027
200.	12.741	34.899	0.93	12.714	26.372
249.	12.048	34.851	0.56	12.015	26.471
301.	11.449	34.819	0.44	11.411	26.560

CAST EP2-88-OC -007 LAT 00 01.5S LONG 129 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
501.	8.243	34.636	0.24	8.191	26.960
998.	4.686	34.555	0.63	4.605	27.367
1491.	3.034	34.604	0.72	2.926	27.576
1993.	2.210	34.643	0.85	2.071	27.680
2484.	1.900	34.663	0.96	1.723	27.723
2996.	1.709	34.673	1.08	1.488	27.749
3495.	1.527	34.686	1.21	1.261	27.775
3993.	1.422	34.692	1.37	1.106	27.791
4194.	1.439	34.694	1.39	1.100	27.793
4508.	1.467	34.694	1.41	1.092	27.793

CAST EP2-88-OC -008 LAT 00 01.9S LONG 130 01.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
4.	22.512	35.243	1.53	22.511	24.260
10.	22.392	35.242	1.57	22.390	24.293
20.	22.301	35.247	1.55	22.297	24.323
39.	22.073	35.255	1.55	22.065	24.395
80.	20.012	35.187	1.28	19.997	24.906
125.	14.642	34.887	1.12	14.623	25.968
149.	13.848	34.893	1.01	13.827	26.141
201.	12.835	34.915	0.89	12.808	26.366
250.	12.203	34.864	0.65	12.170	26.451
302.	11.808	34.839	0.38	11.769	26.508

CAST EP2-88-OC -010 LAT 00 09.1N LONG 124 22.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
496.	8.783	34.664	0.19	8.729	26.898
995.	4.550	34.553	0.68	4.470	27.381
1494.	3.093	34.603	0.70	2.985	27.570
2009.	2.343	34.641	0.81	2.201	27.668
2352.	1.931	34.660	0.95	1.765	27.718
2994.	1.694	34.675	1.10	1.473	27.751
3494.	1.515	34.687	1.21	1.249	27.777
4058.	1.439	34.694	1.32	1.115	27.792
4294.	1.463	34.694	1.34	1.113	27.792
4664.	1.501	34.694	1.37	1.107	27.792

CAST EP2-88-OC -011 LAT 00 08.7N LONG 124 22.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
4.	21.291	34.890	1.65	21.290	24.332
19.	20.016	34.898	1.31	20.012	24.682
39.	16.248	34.864	0.84	16.242	25.588
60.	14.951	34.841	0.79	14.942	25.863
79.	14.055	34.810	0.86	14.044	26.032
99.	13.626	34.816	0.96	13.612	26.126
124.	13.419	34.872	0.95	13.402	26.213
151.	13.092	34.905	0.84	13.071	26.306
197.	12.662	34.886	0.61	12.635	26.378
245.	11.901	34.845	0.32	11.869	26.494
303.	11.485	34.824	0.27	11.447	26.557

CAST EP2-88-OC -013 LAT 00 01.4N LONG 119 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
497.	8.273	34.638	0.24	8.221	26.957
996.	4.515	34.557	0.65	4.436	27.388
1494.	3.060	34.604	0.72	2.952	27.573
1745.	2.482	34.630	0.82	2.360	27.646
1997.	2.240	34.646	0.83	2.100	27.680
2496.	1.877	34.663	0.99	1.699	27.725
2997.	1.674	34.675	1.11	1.454	27.753
3494.	1.500	34.688	1.24	1.234	27.779
3994.	1.435	34.694	1.36	1.119	27.792
4248.	1.463	34.694	1.37	1.118	27.792

CAST EP2-88-OC -014 LAT 00 02.4N LONG 119 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	22.647	35.164	1.70	22.646	24.161
11.	22.653	35.166	1.73	22.651	24.161
20.	22.372	35.191	1.66	22.368	24.261
101.	14.394	35.009	0.97	14.379	26.114
125.	13.825	34.958	0.90	13.807	26.196
149.	13.356	34.936	0.72	13.335	26.276
200.	12.907	34.911	0.69	12.880	26.349
248.	12.335	34.872	0.46	12.302	26.432
303.	11.760	34.832	0.19	11.721	26.512

CAST EP2-88-OC -015 LAT 00 00.3S LONG 114 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
499.	7.915	34.622	0.26	7.864	26.997
996.	4.652	34.555	0.62	4.572	27.371
1495.	3.017	34.607	0.71	2.909	27.580
1993.	2.316	34.642	0.83	2.175	27.671
2497.	1.868	34.664	0.99	1.690	27.726
2994.	1.657	34.676	1.12	1.437	27.755
3244.	1.613	34.679	1.16	1.370	27.762
3493.	1.524	34.687	1.23	1.258	27.776
3749.	1.437	34.693	1.32	1.147	27.789
4070.	1.458	34.694	1.36	1.133	27.791

CAST EP2-88-OC -016 LAT 00 00.1N LONG 114 58.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
10.	22.008	35.112	1.76	22.006	24.303
20.	21.819	35.116	1.80	21.815	24.359
40.	21.304	35.100	1.60	21.296	24.490
99.	14.427	34.905	0.89	14.412	26.027
126.	14.091	34.918	0.77	14.073	26.109
149.	13.627	34.919	0.57	13.606	26.207
199.	12.864	34.895	0.72	12.837	26.345
240.	12.305	34.874	0.27	12.273	26.439
299.	11.539	34.822	0.13	11.501	26.545

CAST EP2-88-OC -017 LAT 05 04.3S LONG 109 47.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
499.	8.260	34.650	0.00	8.208	26.968
997.	4.507	34.549	0.69	4.428	27.382
1494.	3.054	34.600	0.77	2.946	27.571
1993.	2.327	34.639	0.87	2.186	27.668
2483.	1.942	34.663	1.00	1.764	27.720
2744.	1.779	34.673	1.11	1.580	27.742
2992.	1.685	34.678	1.19	1.465	27.754
3191.	1.573	34.684	1.26	1.336	27.768
3364.	1.547	34.687	1.30	1.293	27.774
3543.	1.564	34.687	1.30	1.292	27.774

CAST EP2-88-OC -018 LAT 05 08.4S LONG 109 49.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	23.883	35.230	1.78	23.882	23.852
11.	23.744	35.228	1.81	23.742	23.892
20.	23.710	35.227	1.88	23.706	23.902
81.	15.174	35.102	0.45	15.162	26.016
99.	13.638	34.982	0.26	13.624	26.252
124.	13.094	34.934	0.20	13.077	26.327
150.	12.861	34.916	0.08	12.841	26.360
198.	12.551	34.898	0.05	12.524	26.409
248.	12.091	34.876	0.13	12.058	26.482
306.	11.331	34.831	0.02	11.292	26.591

CAST EP2-88-OC -019 LAT 04 00.3S LONG 109 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	23.496	35.242	1.77	23.495	23.975
19.	23.397	35.239	1.74	23.393	24.002
39.	17.778	35.074	0.96	17.771	25.386
58.	14.674	35.007	0.51	14.665	26.051
80.	14.043	34.980	0.42	14.032	26.166
99.	13.635	34.960	0.32	13.621	26.236
123.	13.409	34.949	0.39	13.392	26.275
147.	13.053	34.926	0.01	13.033	26.330
200.	12.656	34.908	0.00	12.629	26.396
299.	11.720	34.855	0.11	11.681	26.537
495.	8.188	34.645	0.03	8.137	26.975
1010.	4.639	34.546	0.76	4.558	27.365

CAST EP2-88-OC -020 LAT 02 59.3S LONG 110 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	22.884	35.268	1.75	22.883	24.172
40.	16.174	35.100	0.59	16.168	25.787
60.	14.121	34.990	0.42	14.112	26.156
81.	13.605	34.962	0.24	13.594	26.243
99.	13.368	34.948	0.16	13.354	26.281
124.	12.997	34.925	0.05	12.980	26.339
149.	12.728	34.907	0.28	12.708	26.380
200.	12.307	34.878	0.10	12.281	26.441
299.	11.324	34.825	0.00	11.286	26.587
499.	7.925	34.628	0.28	7.874	27.001

CAST EP2-88-OC -021 LAT 02 02.8S LONG 109 56.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	21.672	35.054	1.65	21.671	24.352
10.	21.619	35.057	1.70	21.617	24.369
40.	21.060	35.161	1.58	21.052	24.604
60.	17.050	35.093	0.74	17.040	25.577
81.	14.014	34.982	0.52	14.002	26.173
101.	13.425	34.949	0.35	13.411	26.271
125.	13.047	34.926	0.35	13.030	26.330
150.	12.874	34.915	0.23	12.854	26.357
198.	12.409	34.885	0.14	12.383	26.427
250.	11.952	34.860	0.03	11.920	26.496
303.	10.920	34.805	0.00	10.883	26.645

CAST EP2-88-OC -022 LAT 02 02.7S LONG 109 57.5W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
497.	7.922	34.620	0.44	7.871	26.995
996.	4.578	34.555	0.65	4.498	27.379
1495.	2.977	34.609	0.72	2.870	27.585
1994.	2.287	34.646	0.82	2.147	27.676
2489.	1.866	34.665	1.01	1.689	27.727
2994.	1.652	34.677	1.15	1.432	27.756
3244.	1.597	34.680	1.19	1.354	27.764
3495.	1.515	34.689	1.29	1.249	27.779
3743.	1.461	34.692	1.34	1.171	27.786
3993.	1.479	34.693	1.35	1.161	27.788

CAST EP2-88-OC -023 LAT 01 29.9S LONG 109 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
20.	19.702	35.027	1.47	19.698	24.863
79.	15.820	35.148	0.57	15.808	25.906
99.	14.574	35.033	0.46	14.559	26.094
123.	13.167	34.933	0.48	13.150	26.311
149.	12.783	34.904	0.48	12.763	26.367
199.	12.428	34.881	0.39	12.401	26.420
300.	11.171	34.809	0.13	11.134	26.603
498.	7.819	34.617	0.33	7.769	27.008
997.	4.519	34.554	0.72	4.440	27.385

CAST EP2-88-OC -024 LAT 01 00.1S LONG 109 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
19.	19.635	34.859	1.47	19.632	24.752
40.	18.237	34.928	1.35	18.230	25.161
60.	17.627	35.065	1.17	17.617	25.417
79.	15.006	35.055	0.83	14.994	26.016
149.	12.610	34.892	0.48	12.590	26.391
199.	12.478	34.884	0.41	12.451	26.412
299.	11.751	34.844	0.08	11.712	26.523
497.	8.078	34.630	0.26	8.027	26.980
994.	4.561	34.557	0.62	4.481	27.383

CAST EP2-88-OC -025 LAT 00 30.2S LONG 110 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
10.	20.903	34.849	1.71	20.901	24.407
40.	17.003	34.872	1.08	16.996	25.418
59.	15.348	34.975	1.04	15.339	25.878
79.	14.296	34.934	0.87	14.284	26.077
100.	14.359	34.957	0.85	14.344	26.082
124.	13.892	34.968	0.70	13.874	26.189
149.	12.872	34.908	0.57	12.852	26.352
299.	11.287	34.808	0.13	11.249	26.581
499.	7.897	34.620	0.25	7.846	26.999
1006.	4.512	34.558	0.63	4.432	27.389

CAST EP2-88-OC -026 LAT 00 04.8S LONG 109 50.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1995.	2.322	34.641	0.83	2.181	27.670
497.	8.137	34.633	0.23	8.086	26.973
998.	4.608	34.556	0.61	4.528	27.377
1496.	3.096	34.602	0.70	2.987	27.569
2495.	1.826	34.666	0.99	1.649	27.731
2746.	1.763	34.671	1.06	1.565	27.741
2994.	1.678	34.675	1.12	1.458	27.752
3244.	1.625	34.678	1.17	1.382	27.760
3494.	1.517	34.687	1.23	1.251	27.777

CAST EP2-88-OC -027 LAT 00 02.3S LONG 110 07.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
5.	22.895	34.845	1.83	22.894	23.848
9.	22.458	34.829	1.91	22.456	23.961
20.	21.053	34.834	1.64	21.049	24.356
99.	13.975	34.924	0.82	13.961	26.137
148.	12.953	34.911	0.62	12.933	26.338
199.	12.502	34.884	0.35	12.475	26.408
248.	12.139	34.861	0.17	12.106	26.461
300.	11.435	34.813	0.12	11.397	26.558

CAST EP2-88-OC -028 LAT 00 30.1N LONG 109 59.7W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	23.882	34.455	1.73	23.882	23.265
59.	14.105	34.876	0.73	14.096	26.072
79.	14.110	34.896	0.75	14.099	26.087
124.	13.416	34.902	0.84	13.399	26.237
150.	13.389	34.908	0.80	13.368	26.248
199.	12.846	34.906	0.68	12.819	26.357
298.	11.571	34.821	0.10	11.533	26.539
498.	7.804	34.616	0.28	7.754	27.009
1000.	4.629	34.555	0.61	4.548	27.374

CAST EP2-88-OC -029 LAT 01 00.1N LONG 110 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
4.	24.741	34.390	1.85	24.740	22.961
20.	24.731	34.395	1.73	24.727	22.968
125.	13.127	34.905	0.55	13.110	26.298
149.	13.009	34.899	0.62	12.988	26.318
199.	12.785	34.893	0.64	12.758	26.359
298.	11.713	34.810	0.23	11.675	26.504
499.	7.717	34.611	0.29	7.667	27.018
1003.	4.485	34.556	0.62	4.405	27.390

CAST EP2-88-OC -030 LAT 01 30.4N LONG 109 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
3.	25.368	34.217	1.67	25.367	22.640
39.	18.925	34.837	0.96	18.918	24.919
80.	14.015	34.952	0.50	14.003	26.150
98.	13.688	34.940	0.49	13.674	26.209
124.	13.346	34.922	0.41	13.329	26.267
143.	13.087	34.905	0.35	13.067	26.306
198.	12.561	34.870	0.21	12.534	26.385
299.	11.044	34.757	0.21	11.007	26.585
498.	7.604	34.608	0.26	7.554	27.032
1005.	4.451	34.558	0.62	4.371	27.395

CAST EP2-88-OC -031 LAT 02 03.0N LONG 110 07.6W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	25.468	34.269	1.69	25.468	22.648
10.	25.448	34.274	1.95	25.446	22.659
60.	15.155	34.949	0.57	15.146	25.901
78.	14.090	34.953	0.52	14.079	26.135
99.	13.689	34.944	0.52	13.675	26.212
123.	13.427	34.932	0.50	13.410	26.258
148.	13.169	34.918	0.48	13.148	26.300
198.	12.713	34.880	0.23	12.686	26.363
248.	11.994	34.826	0.23	11.962	26.462
302.	10.974	34.754	0.24	10.937	26.596

CAST EP2-88-OC -032 LAT 02 02.3N LONG 110 09.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
497.	7.187	34.588	0.37	7.139	27.075
995.	4.610	34.556	6.17	4.530	27.376
1495.	3.088	34.604	0.70	2.979	27.571
1744.	2.680	34.625	0.72	2.555	27.625
1998.	2.352	34.638	0.80	2.210	27.665
2493.	1.843	34.666	0.97	1.666	27.730
2994.	1.691	34.675	1.08	1.471	27.752
3243.	1.589	34.681	1.16	1.346	27.765

CAST EP2-88-OC -033 LAT 02 59.6N LONG 109 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	26.170	34.103	1.67	26.170	22.306
79.	13.950	34.801	0.63	13.939	26.047
97.	13.344	34.870	0.51	13.330	26.226
124.	12.904	34.892	0.31	12.887	26.332
149.	12.520	34.872	0.22	12.500	26.393
198.	11.764	34.816	0.27	11.739	26.496
298.	10.398	34.724	0.44	10.363	26.674
497.	7.194	34.595	0.06	7.146	27.080
1000.	4.587	34.561	0.48	4.507	27.383

CAST EP2-88-OC -034 LAT 04 00.3N LONG 110 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
2.	26.806	33.964	1.80	26.806	22.001
20.	26.802	33.969	1.85	26.797	22.008
59.	21.406	34.449	0.88	21.395	23.968
99.	13.198	34.781	0.33	13.184	26.187
124.	12.700	34.788	0.33	12.683	26.292
198.	10.738	34.695	0.50	10.714	26.590
298.	9.917	34.696	0.23	9.883	26.735
496.	7.610	34.607	0.00	7.561	27.030
998.	4.531	34.561	0.43	4.451	27.389

CAST EP2-88-OC -035 LAT 05 00.1N LONG 110 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
501.	7.541	34.603	0.00	7.491	27.037
986.	4.540	34.561	0.36	4.461	27.388
1492.	3.135	34.605	0.57	3.026	27.567
2004.	2.232	34.645	0.78	2.092	27.680
2516.	1.848	34.666	0.91	1.669	27.730
2735.	1.816	34.669	0.93	1.617	27.736
2994.	1.753	34.672	0.98	1.531	27.745
3244.	1.602	34.682	1.11	1.359	27.765
3493.	1.518	34.686	1.19	1.252	27.776
3947.	1.476	34.690	1.28	1.163	27.785

CAST EP2-88-OC -036 LAT 04 58.2N LONG 109 59.2W

PRES (DB)	TEMP (C)	SAL (PSU)	OXY (ML/L)	POT TEMP	SIG-TH
1.	27.077	33.963	1.71	27.077	21.915
10.	27.061	33.962	1.86	27.059	21.920
20.	27.069	33.962	1.93	27.064	21.918
99.	13.910	34.833	0.26	13.896	26.081
126.	12.963	34.841	0.19	12.946	26.281
149.	12.335	34.818	0.14	12.315	26.388
200.	11.280	34.760	0.22	11.255	26.543
250.	10.615	34.730	0.11	10.585	26.640
300.	10.106	34.707	0.09	10.071	26.711

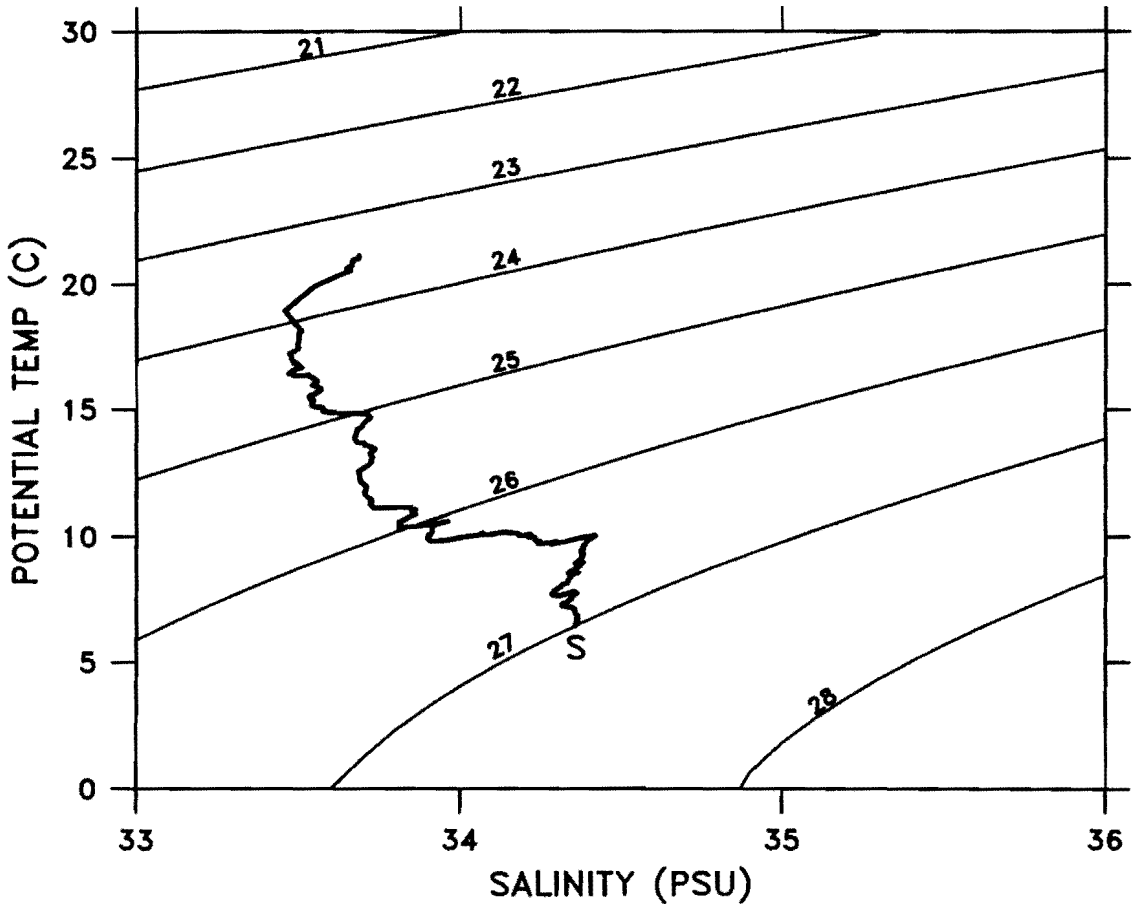
EP4-88-OC

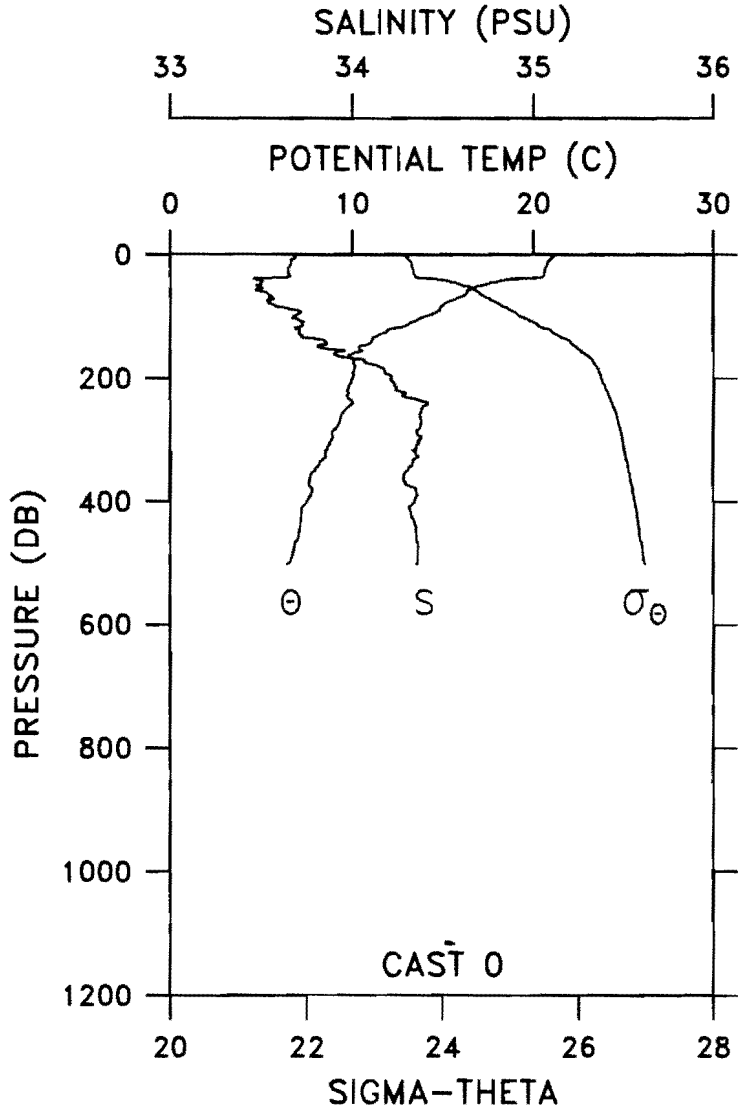
October 13–November 10, 1988

CTD and Hydrographic Data Summary

CAST EP4-88-OC -000 DATE 19 OCT 88 TIME 2018 GMT

LAT 25 24.5N LONG 115 11.6W



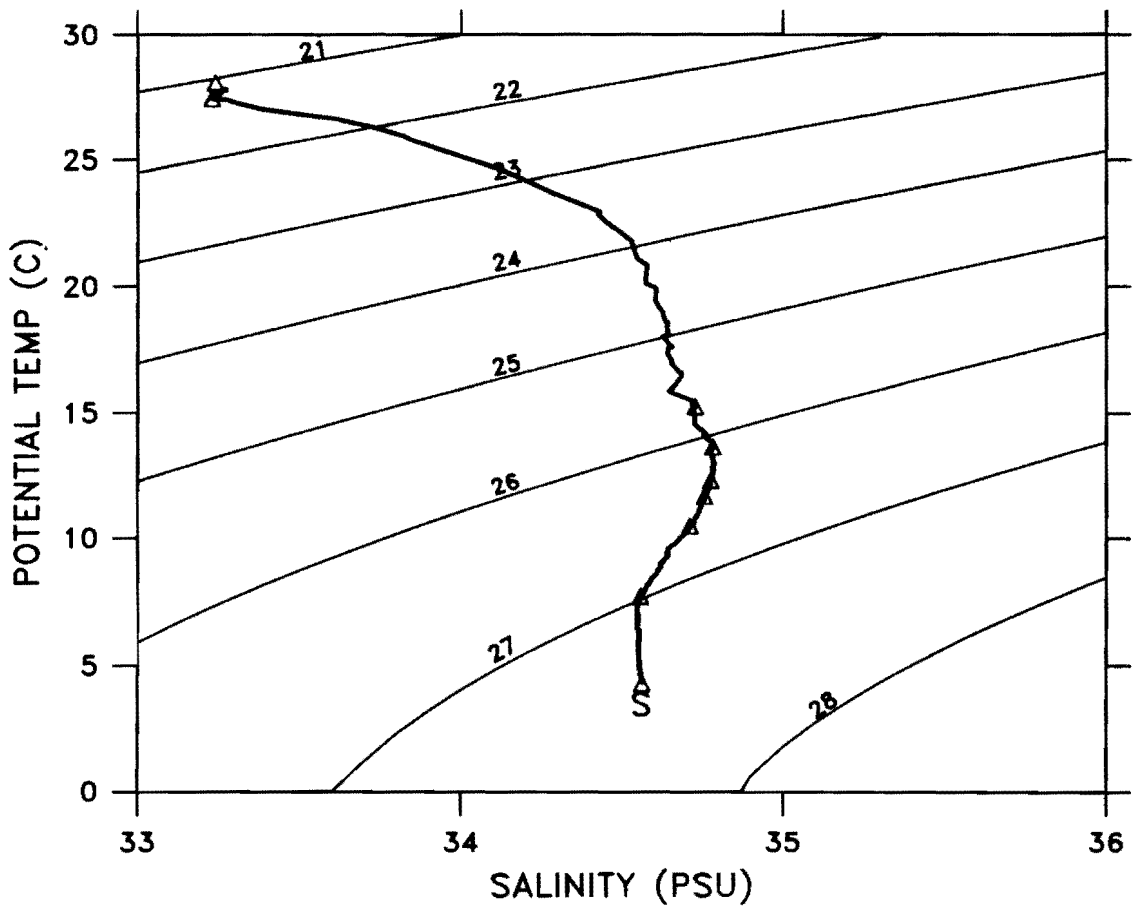


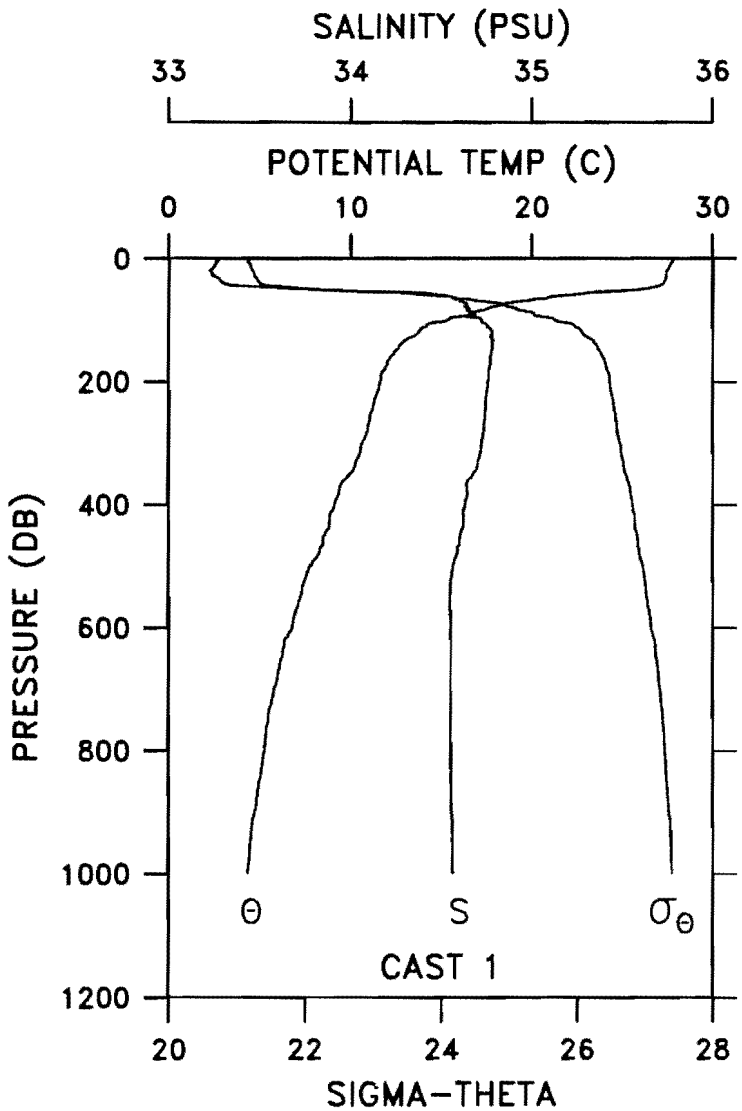
CAST EP4-88-OC -000 DATE 19 OCT 88 TIME 2018 GMT
LAT 25 24.5N LONG 115 11.6W WEATHER 1 SEA STATE 2
BAROMETER 15 WIND DIR 250 T SPD 04 KT VISIBILITY 8
CLOUD 3 AMOUNT 3 DRY 21.0 WET 19.0 DEPTH 3764 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.135	33.687	23.460	0.000
10	20.821	33.666	23.528	0.044
20	20.684	33.654	23.556	0.087
30	20.592	33.648	23.576	0.131
40	18.660	33.474	23.942	0.173
50	17.229	33.471	24.288	0.211
60	16.327	33.509	24.527	0.246
70	15.837	33.567	24.683	0.279
80	15.077	33.553	24.841	0.311
90	14.850	33.705	25.007	0.342
100	14.083	33.679	25.150	0.371
110	13.241	33.721	25.355	0.398
120	12.171	33.692	25.541	0.424
130	11.471	33.724	25.697	0.448
140	11.078	33.851	25.867	0.470
150	10.361	33.822	25.971	0.491
160	10.036	33.901	26.088	0.511
170	10.136	34.071	26.204	0.530
180	10.168	34.142	26.254	0.549
190	10.069	34.186	26.305	0.566
200	10.036	34.221	26.338	0.584
250	9.661	34.385	26.529	0.665
300	8.886	34.377	26.649	0.740
350	7.953	34.308	26.737	0.810
400	7.507	34.345	26.832	0.876
450	7.080	34.354	26.899	0.938
500	6.554	34.360	26.975	0.997
502	6.432	34.359	26.990	1.000

CAST EP4-88-OC -001 DATE 22 OCT 88 TIME 1159 GMT

LAT 10 30.8N LONG 109 18.9W



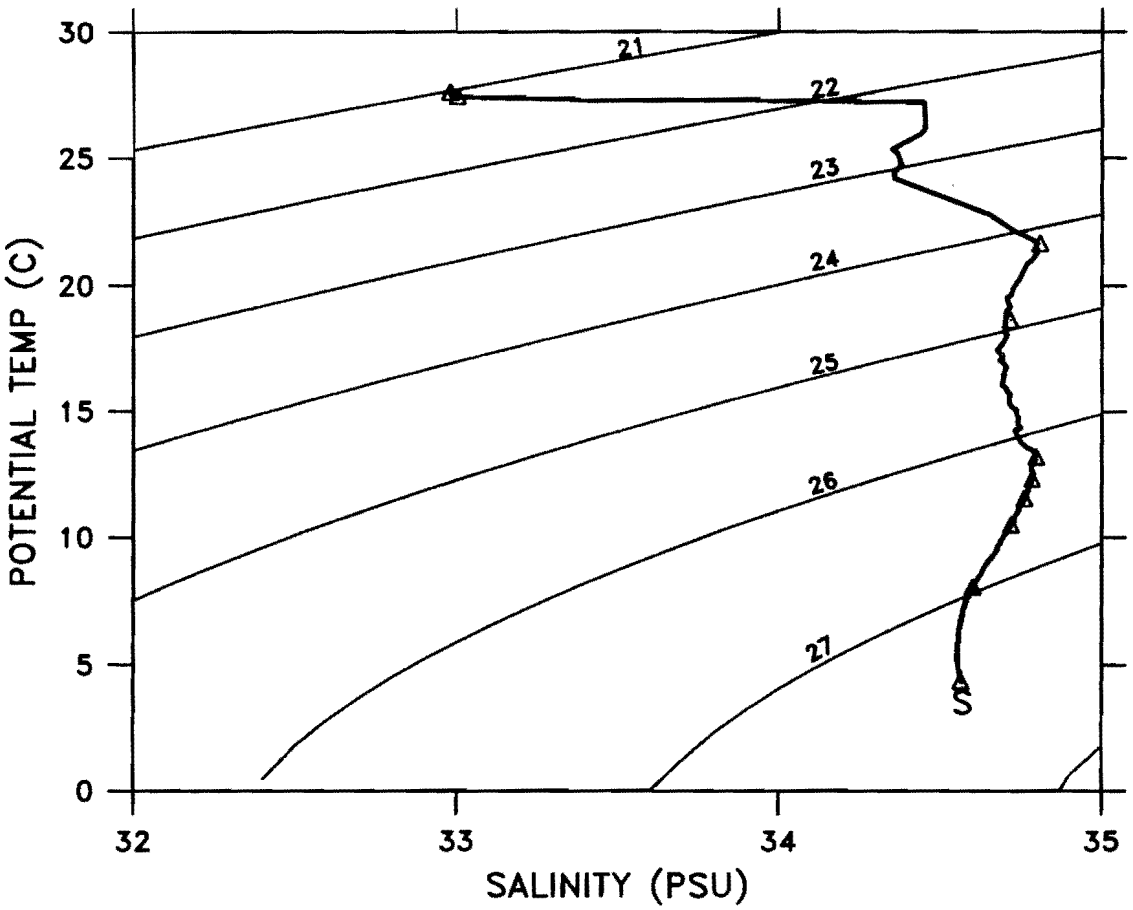


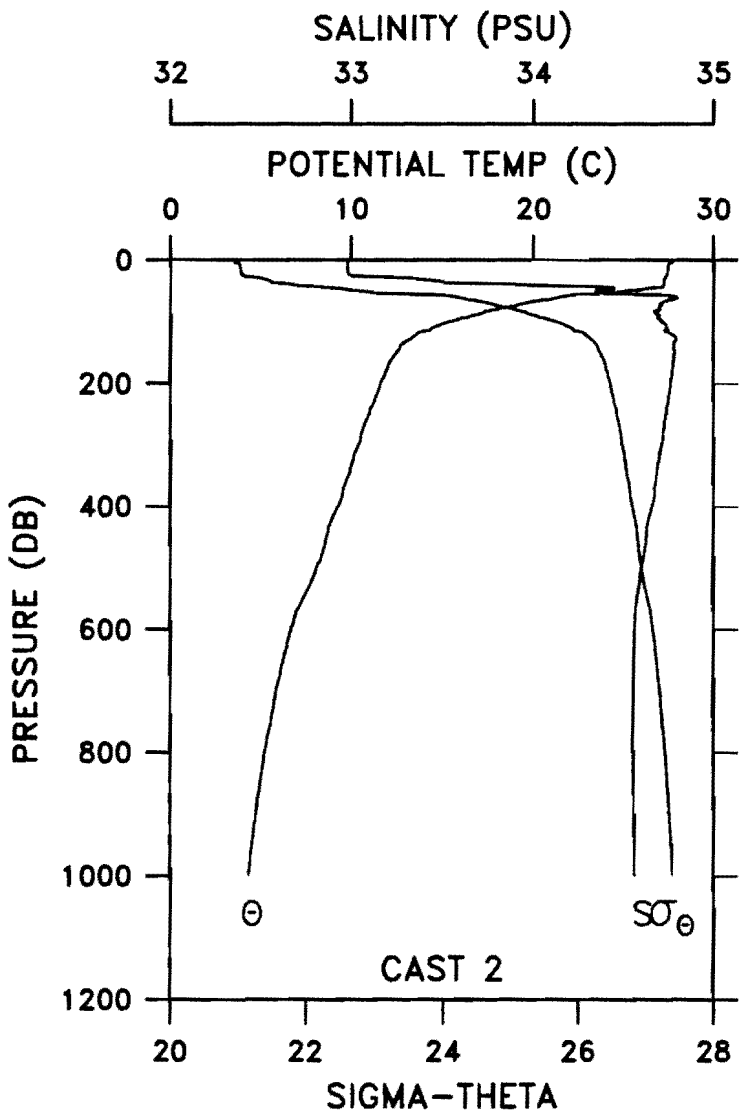
CAST EP4-88-OC -001 DATE 22 OCT 88 TIME 1159 GMT
LAT 10 30.8N LONG 109 18.9W WEATHER 0 SEA STATE 1
BAROMETER 09 WIND DIR 060 T SPD 05 KT VISIBILITY 8
CLOUD X AMOUNT 0 DRY 26.6 WET 23.7 DEPTH 2626 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.773	33.270	21.170	0.000
10	27.678	33.255	21.189	0.066
20	27.458	33.227	21.239	0.132
30	27.426	33.256	21.271	0.197
40	27.287	33.300	21.349	0.262
50	25.927	33.822	22.170	0.324
60	21.795	34.529	23.918	0.371
70	19.178	34.615	24.683	0.408
80	17.621	34.655	25.101	0.438
90	16.590	34.685	25.370	0.466
100	15.369	34.716	25.672	0.491
110	14.161	34.761	25.969	0.512
120	13.733	34.784	26.076	0.532
130	13.160	34.783	26.193	0.551
140	12.715	34.781	26.281	0.569
150	12.455	34.777	26.328	0.587
160	12.176	34.771	26.378	0.604
170	11.991	34.770	26.412	0.621
180	11.867	34.764	26.432	0.637
190	11.658	34.761	26.469	0.653
200	11.620	34.759	26.474	0.669
250	11.089	34.741	26.558	0.747
300	10.624	34.722	26.627	0.823
350	9.950	34.678	26.710	0.895
400	9.115	34.629	26.810	0.962
450	8.547	34.604	26.880	1.027
500	7.780	34.563	26.964	1.088
550	7.279	34.549	27.025	1.145
600	6.817	34.552	27.091	1.199
650	6.225	34.553	27.171	1.250
700	5.804	34.553	27.224	1.298
750	5.483	34.553	27.264	1.344
800	5.273	34.553	27.289	1.388
900	4.721	34.558	27.357	1.473
1000	4.333	34.564	27.405	1.551
1000	4.333	34.564	27.405	1.551

CAST EP4-88-OC -002 DATE 23 OCT 88 TIME 0116 GMT

LAT 09 00.0N LONG 109 26.6W



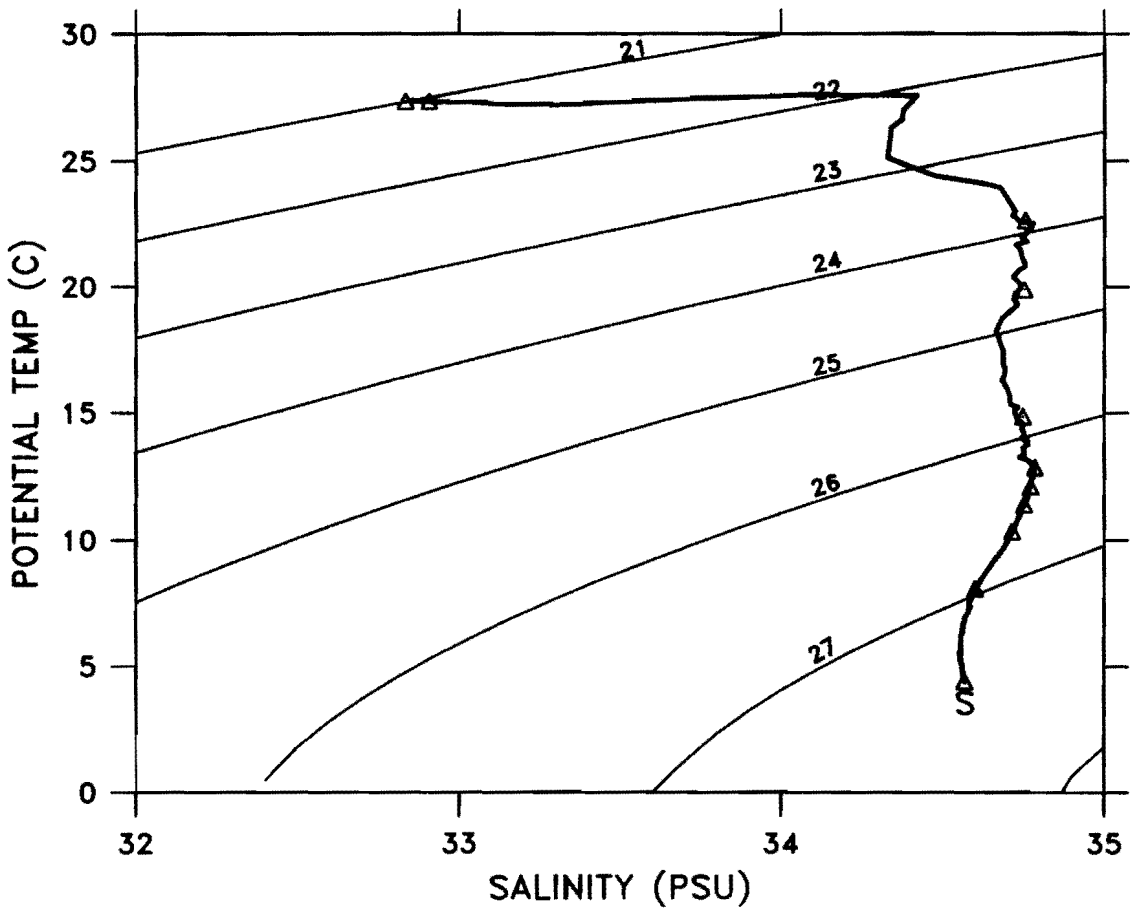


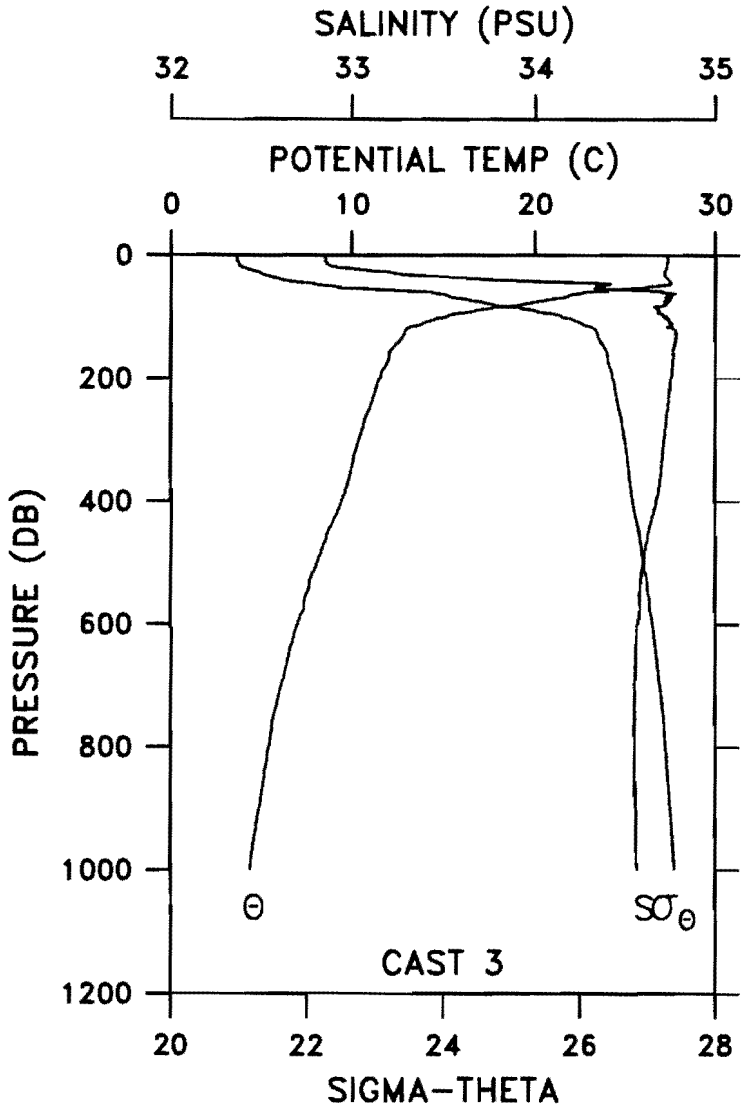
CAST EP4-88-OC -002 DATE 23 OCT 88 TIME 0116 GMT
LAT 09 00.0N LONG 109 26.6W WEATHER 1 SEA STATE 1
BAROMETER 10 WIND DIR 265 T SPD 04 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 26.8 WET 24.3 DEPTH 3473 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.793	32.983	20.948	0.000
10	27.507	32.981	21.038	0.068
20	27.469	32.983	21.052	0.135
30	27.330	33.340	21.365	0.201
40	27.276	33.938	21.832	0.264
50	25.187	34.367	22.808	0.319
60	21.438	34.798	24.221	0.363
70	19.522	34.706	24.663	0.398
80	18.017	34.707	25.044	0.429
90	16.619	34.700	25.375	0.457
100	15.320	34.714	25.681	0.481
110	14.432	34.744	25.898	0.504
120	13.550	34.771	26.105	0.524
130	13.086	34.794	26.217	0.543
140	12.679	34.783	26.289	0.561
150	12.488	34.785	26.328	0.578
160	12.226	34.782	26.377	0.595
170	12.044	34.778	26.409	0.612
180	11.904	34.773	26.432	0.628
190	11.798	34.769	26.449	0.645
200	11.611	34.764	26.480	0.661
250	11.010	34.742	26.573	0.738
300	10.383	34.714	26.663	0.812
350	9.871	34.687	26.730	0.883
400	9.299	34.664	26.807	0.950
450	8.665	34.630	26.882	1.014
500	8.089	34.602	26.948	1.075
550	7.370	34.577	27.034	1.133
600	6.728	34.566	27.114	1.186
650	6.289	34.558	27.167	1.237
700	5.897	34.558	27.216	1.285
750	5.626	34.554	27.247	1.332
800	5.258	34.555	27.292	1.376
900	4.775	34.559	27.352	1.461
1000	4.372	34.566	27.401	1.541
1001	4.372	34.566	27.401	1.542

CAST EP4-88-OC -003 DATE 23 OCT 88 TIME 0639 GMT

LAT 07 59.4N LONG 109 35.3W



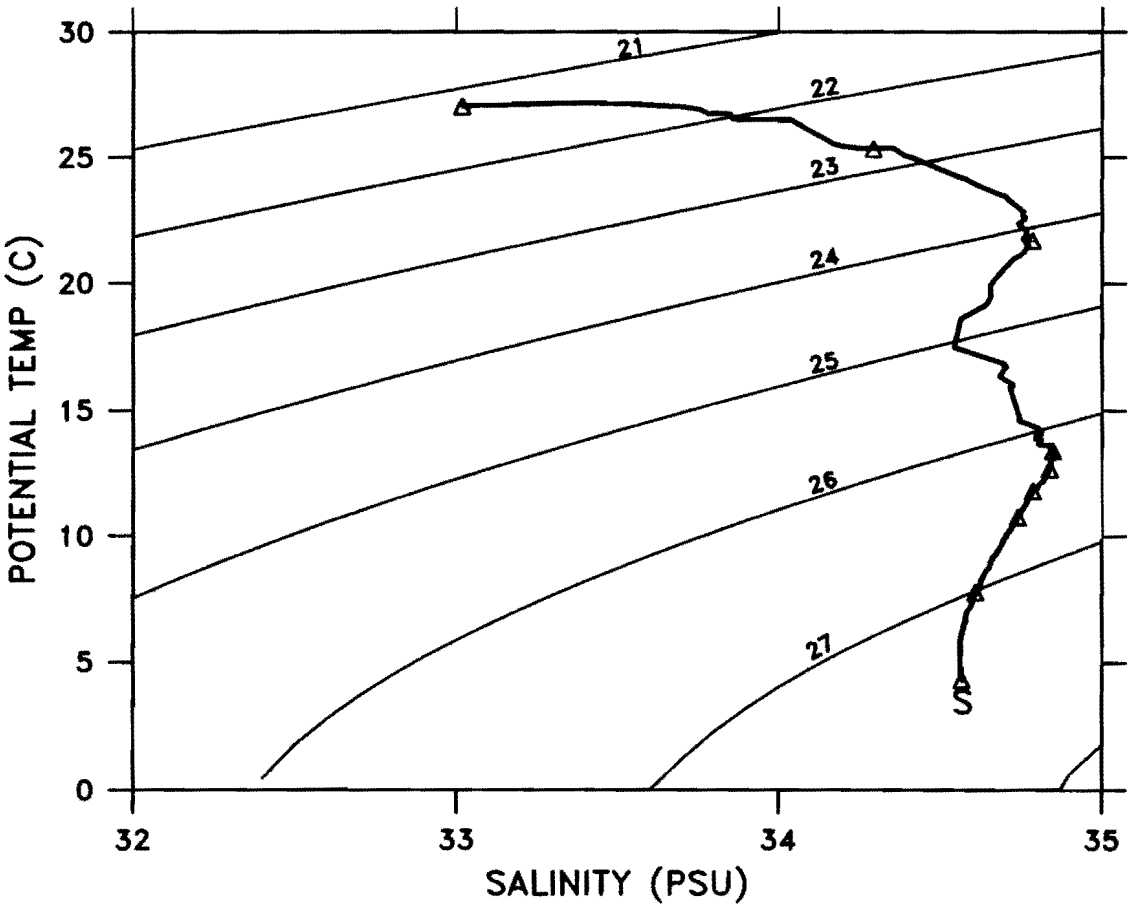


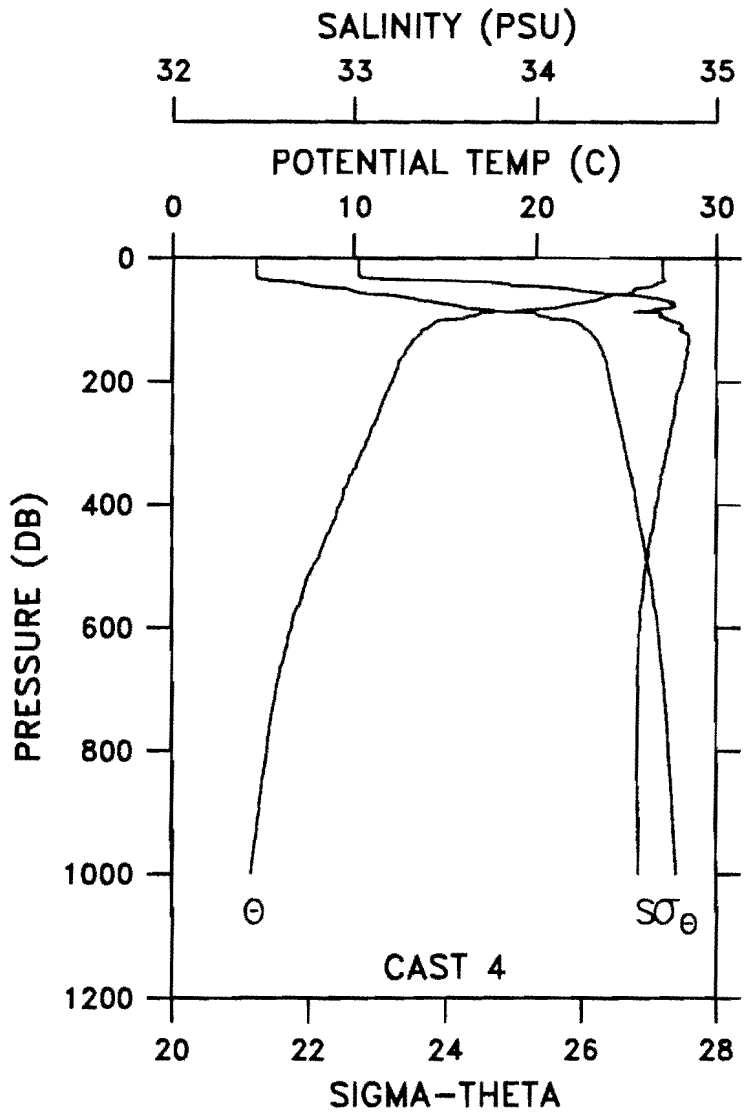
CAST EP4-88-OC -003 DATE 23 OCT 88 TIME 0639 GMT
LAT 07 59.4N LONG 109 35.3W WEATHER 2 SEA STATE 2
BAROMETER 11 WIND DIR 260 T SPD 07 KT VISIBILITY 8
CLOUD 7 AMOUNT 7 DRY 26.2 WET 24.7 DEPTH 4069 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.391	32.854	20.980	0.000
10	27.382	32.854	20.983	0.068
20	27.316	32.918	21.052	0.136
30	27.212	33.256	21.339	0.201
40	27.445	33.770	21.652	0.265
50	26.608	34.374	22.373	0.323
60	22.839	34.716	23.766	0.372
70	21.171	34.745	24.255	0.411
80	19.297	34.730	24.740	0.445
90	16.778	34.693	25.332	0.475
100	15.200	34.731	25.722	0.499
110	13.914	34.758	26.018	0.521
120	12.983	34.778	26.225	0.540
130	12.803	34.785	26.266	0.558
140	12.618	34.780	26.299	0.576
150	12.272	34.772	26.360	0.593
160	12.047	34.770	26.402	0.609
170	12.015	34.768	26.406	0.626
180	11.851	34.766	26.436	0.642
190	11.633	34.762	26.474	0.659
200	11.540	34.755	26.486	0.674
250	10.975	34.742	26.579	0.752
300	10.396	34.718	26.664	0.825
350	9.971	34.702	26.725	0.896
400	9.452	34.676	26.791	0.964
450	8.696	34.633	26.879	1.029
500	8.072	34.602	26.951	1.090
550	7.514	34.582	27.017	1.148
600	7.010	34.574	27.082	1.203
650	6.532	34.564	27.139	1.255
700	6.101	34.556	27.189	1.305
750	5.678	34.557	27.244	1.352
800	5.434	34.555	27.271	1.397
900	4.885	34.560	27.340	1.484
1000	4.401	34.569	27.401	1.564
1001	4.398	34.569	27.401	1.565

CAST EP4-88-OC -004 DATE 23 OCT 88 TIME 1154 GMT

LAT 07 00.4N LONG 109 43.9W



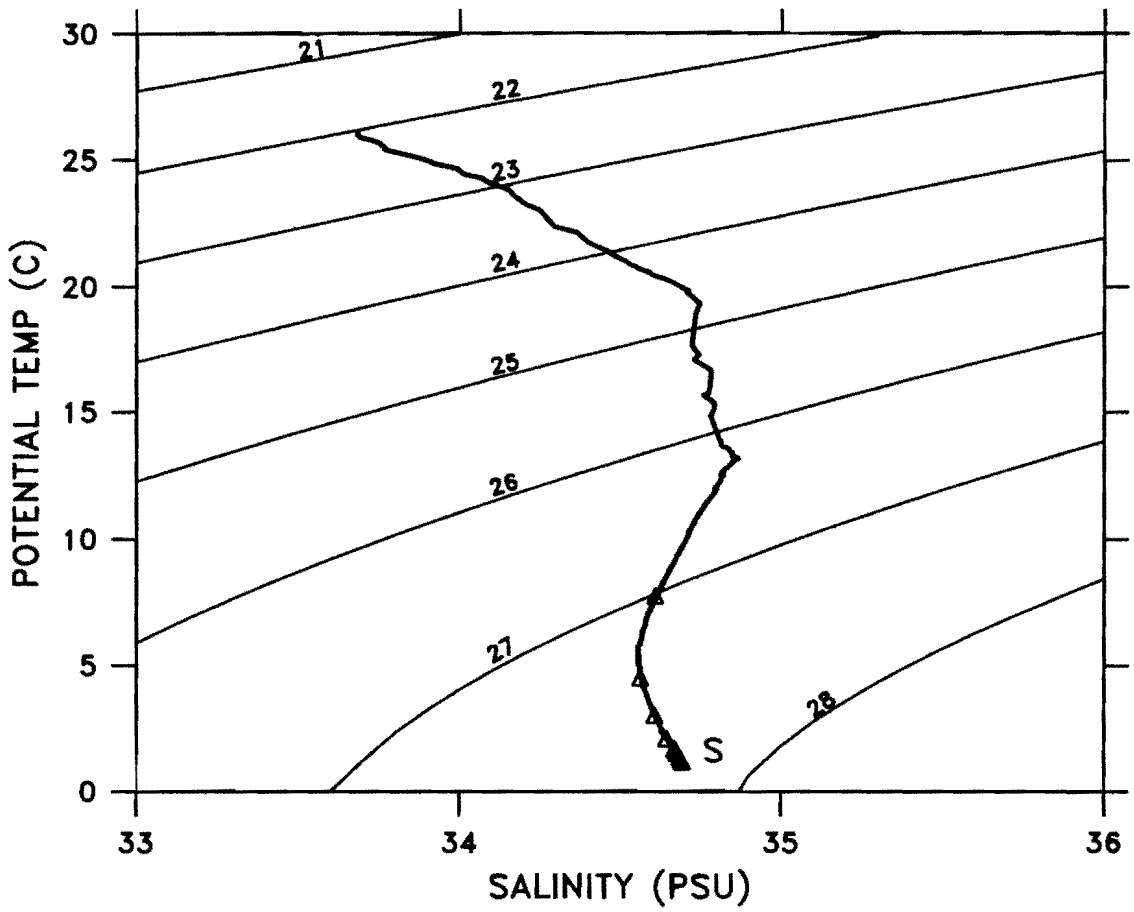


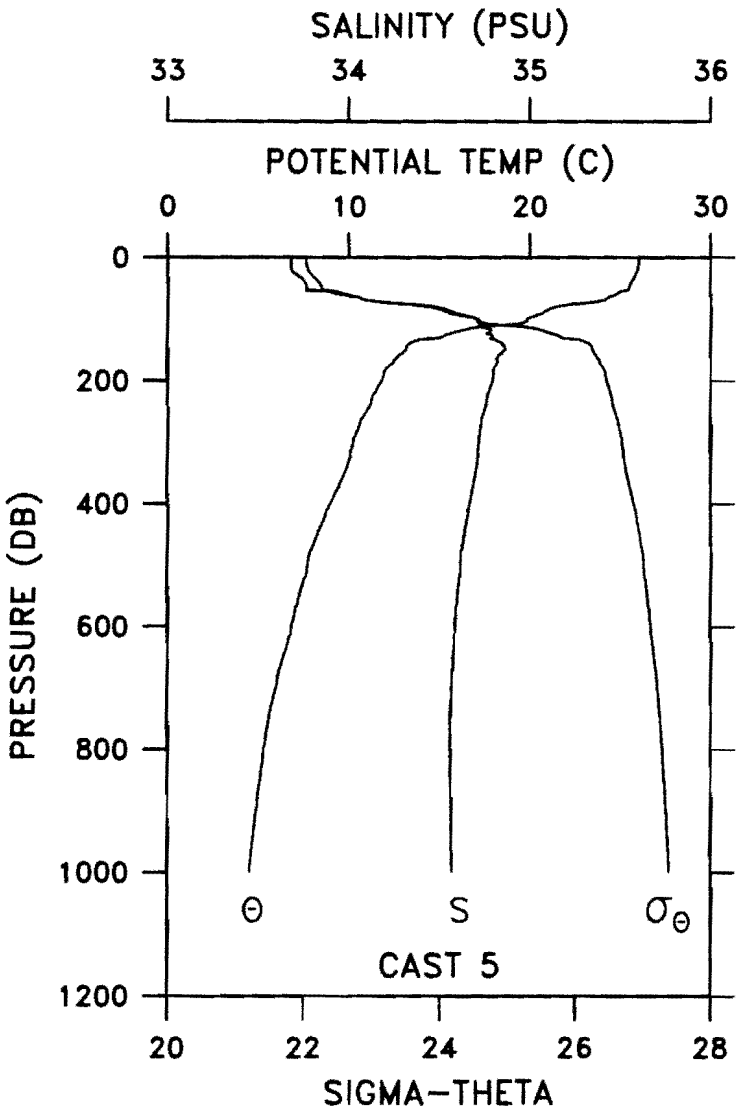
CAST EP4-88-OC -004 DATE 23 OCT 88 TIME 1154 GMT
LAT 07 00.4N LONG 109 43.9W WEATHER 5 SEA STATE 3
BAROMETER 09 WIND DIR 250 T SPD 15 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 25.3 WET 24.3 DEPTH 3882 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.002	33.021	21.229	0.000
10	27.004	33.025	21.232	0.066
20	27.015	33.026	21.229	0.131
30	27.017	33.029	21.231	0.197
40	26.721	33.782	21.891	0.260
50	25.475	34.184	22.582	0.317
60	24.227	34.553	23.237	0.368
70	22.854	34.758	23.793	0.412
80	21.097	34.746	24.276	0.451
90	16.846	34.699	25.321	0.482
100	14.725	34.745	25.836	0.508
110	14.141	34.814	26.015	0.528
120	13.638	34.830	26.132	0.548
130	13.323	34.847	26.210	0.567
140	13.064	34.846	26.261	0.585
150	12.806	34.840	26.308	0.603
160	12.621	34.837	26.343	0.620
170	12.414	34.829	26.377	0.637
180	12.327	34.824	26.390	0.654
190	12.202	34.819	26.410	0.670
200	12.081	34.808	26.425	0.687
250	11.362	34.768	26.529	0.767
300	10.662	34.737	26.632	0.843
350	9.931	34.700	26.730	0.914
400	9.261	34.671	26.818	0.981
450	8.567	34.639	26.904	1.045
500	7.798	34.613	27.000	1.104
550	7.182	34.593	27.073	1.159
600	6.612	34.578	27.140	1.211
650	6.183	34.567	27.187	1.260
700	5.760	34.564	27.238	1.307
750	5.467	34.561	27.272	1.353
800	5.249	34.561	27.298	1.396
900	4.801	34.563	27.352	1.481
1000	4.337	34.568	27.407	1.560
1000	4.337	34.568	27.407	1.560

CAST EP4-88-OC -005 DATE 24 OCT 88 TIME 0014 GMT

LAT 05 01.6N LONG 110 00.5W



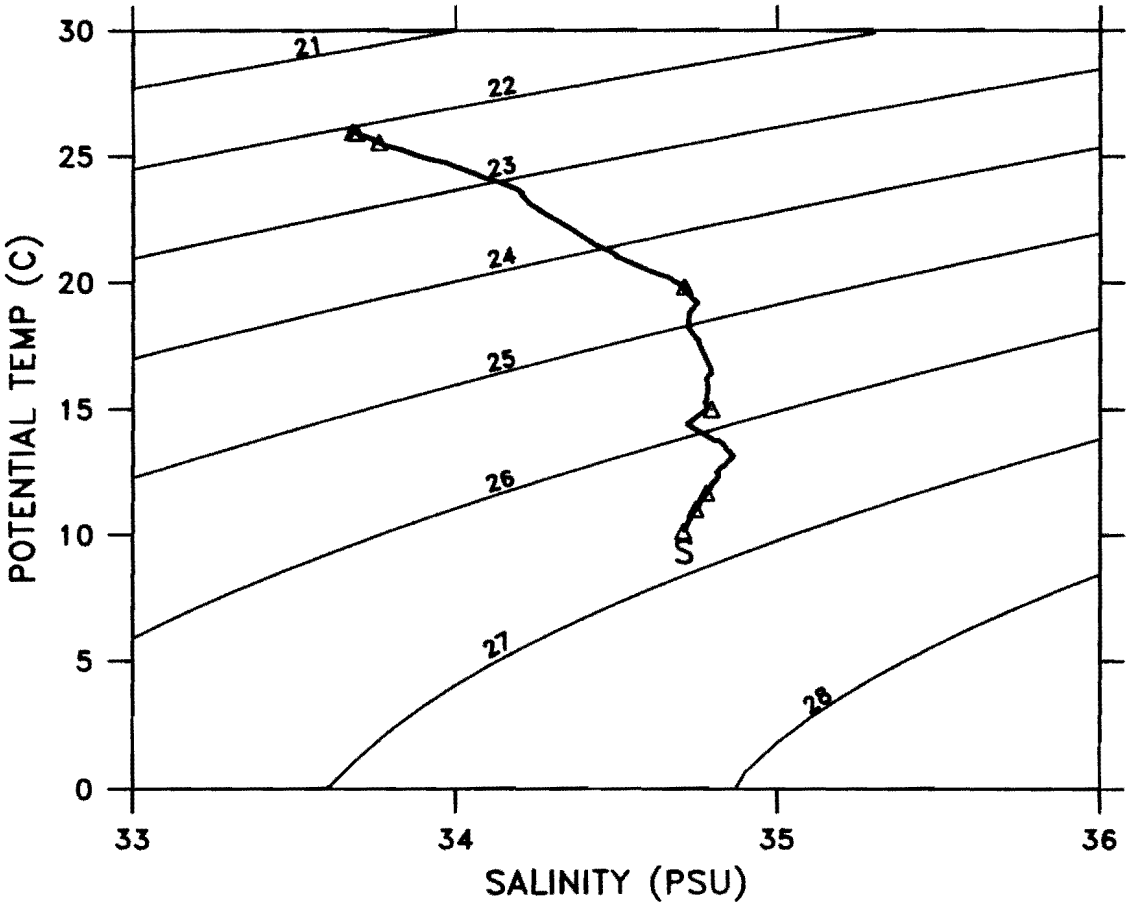


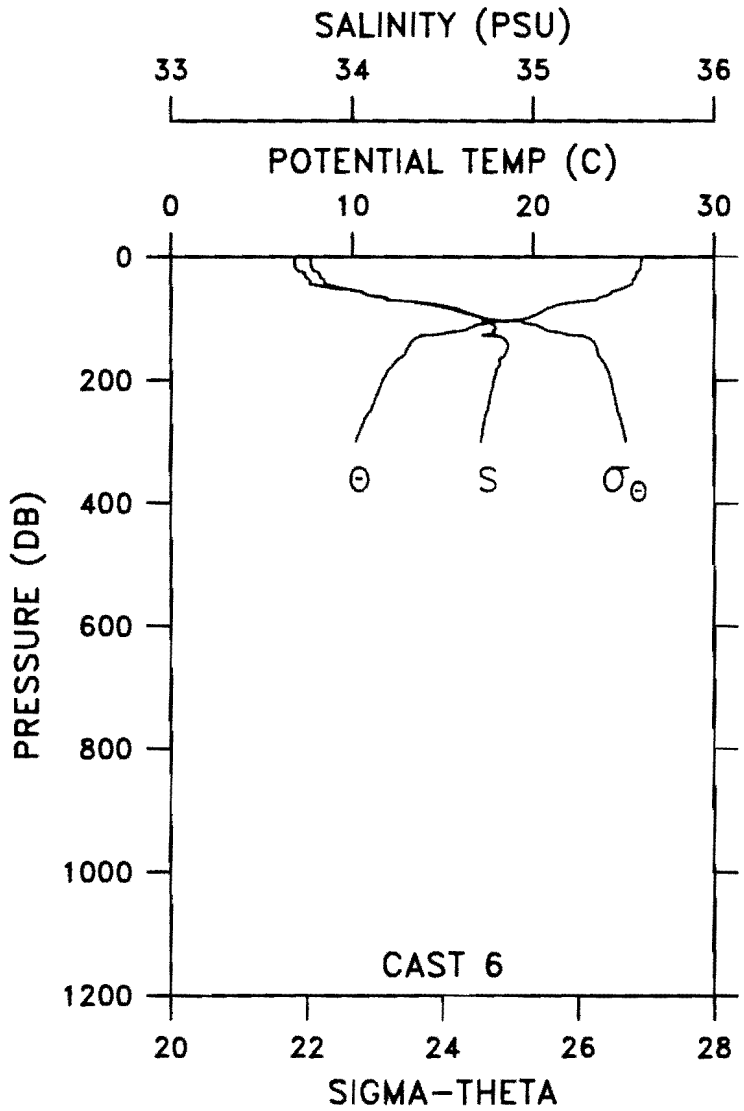
CAST EP4-88-OC -005 DATE 24 OCT 88 TIME 0014 GMT
LAT 05 01.6N LONG 110 00.5W WEATHER 2 SEA STATE 3
BAROMETER 10 WIND DIR 205 T SPD 18 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 24.5 WET 22.4 DEPTH 3895 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.003	33.682	22.041	0.000
10	26.000	33.683	22.042	0.058
20	25.929	33.684	22.065	0.115
30	25.771	33.726	22.145	0.173
40	25.570	33.759	22.232	0.229
50	25.458	33.768	22.273	0.285
60	24.738	33.963	22.638	0.339
70	23.925	34.132	23.008	0.390
80	21.431	34.457	23.964	0.434
90	20.736	34.550	24.224	0.472
100	19.846	34.709	24.581	0.507
110	18.261	34.728	25.000	0.540
120	16.061	34.780	25.565	0.567
130	15.063	34.789	25.796	0.590
140	13.342	34.850	26.208	0.610
150	13.146	34.864	26.259	0.628
160	12.720	34.824	26.313	0.645
170	12.471	34.821	26.360	0.663
180	12.054	34.799	26.423	0.679
190	11.931	34.797	26.445	0.696
200	11.812	34.792	26.463	0.712
250	10.950	34.744	26.585	0.790
300	10.236	34.714	26.689	0.862
350	9.764	34.696	26.755	0.932
400	8.998	34.664	26.856	0.998
450	8.299	34.635	26.943	1.059
500	7.720	34.612	27.011	1.117
550	7.283	34.596	27.062	1.172
600	6.834	34.582	27.113	1.225
650	6.412	34.571	27.160	1.276
700	5.996	34.565	27.210	1.325
750	5.604	34.556	27.251	1.371
800	5.311	34.556	27.287	1.416
900	4.916	34.561	27.337	1.502
1000	4.530	34.566	27.385	1.583
1500	2.985	34.609	27.574	1.932
2000	2.095	34.645	27.680	2.213
2500	1.691	34.666	27.728	2.456
3000	1.508	34.675	27.749	2.691
3500	1.245	34.687	27.777	2.916
3799	1.178	34.690	27.784	3.047

CAST EP4-88-OC -006 DATE 24 OCT 88 TIME 0300 GMT

LAT 05 02.3N LONG 110 00.1W



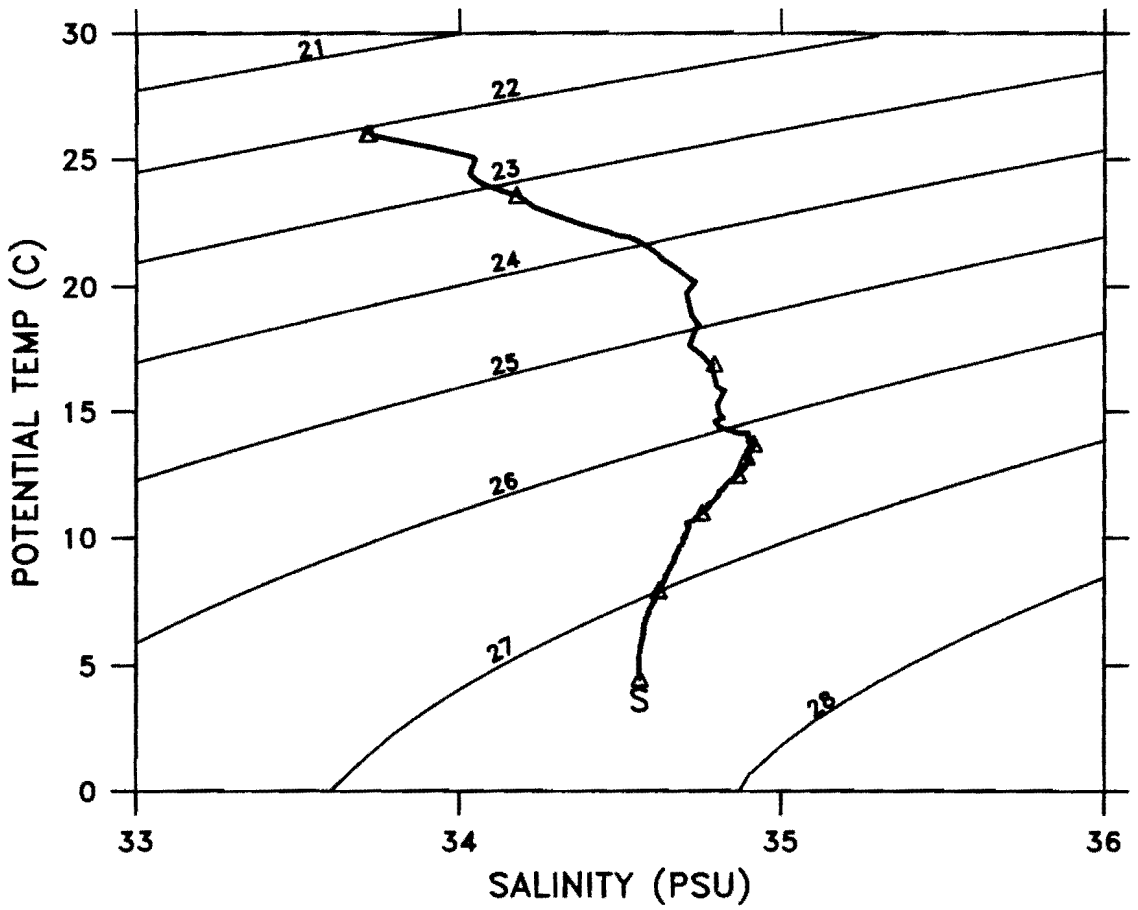


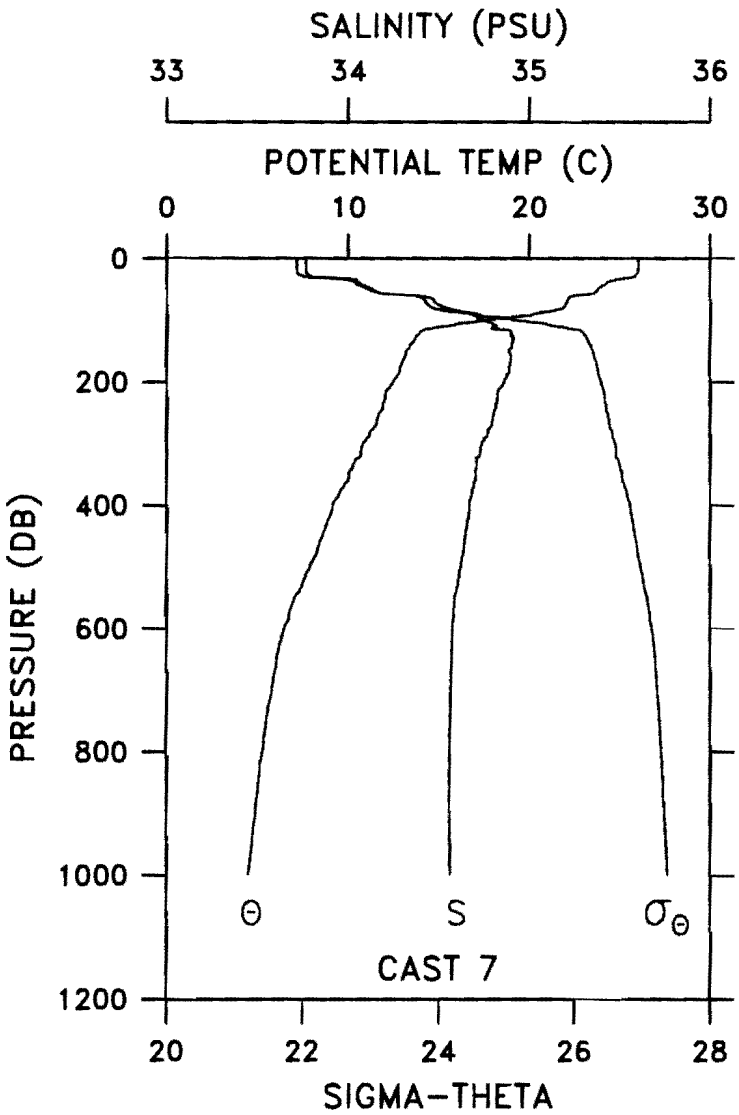
CAST EP4-88-OC -006 DATE 24 OCT 88 TIME 0300 GMT
LAT 05 02.3N LONG 110 00.1W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 208 T SPD 16 KT VISIBILITY 6
CLOUD 4 AMOUNT 6 DRY 24.1 WET 23.0 DEPTH 3895 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.941	33.683	22.060	0.000
10	25.949	33.683	22.058	0.058
20	25.892	33.695	22.085	0.115
30	25.674	33.741	22.186	0.172
40	25.499	33.766	22.259	0.228
50	25.054	33.872	22.475	0.283
60	24.218	34.074	22.878	0.335
70	23.502	34.201	23.184	0.383
80	21.146	34.489	24.067	0.425
90	20.436	34.608	24.348	0.462
100	19.570	34.717	24.660	0.497
110	16.865	34.782	25.380	0.526
120	15.979	34.783	25.586	0.552
130	13.674	34.826	26.122	0.573
140	13.209	34.857	26.241	0.592
150	13.025	34.856	26.277	0.610
160	12.850	34.840	26.300	0.628
170	12.415	34.816	26.367	0.645
180	12.115	34.803	26.415	0.662
190	11.888	34.793	26.450	0.678
200	11.675	34.781	26.481	0.694
250	11.024	34.746	26.574	0.772
300	10.186	34.709	26.693	0.844
300	10.186	34.709	26.693	0.844

CAST EP4-88-OC -007 DATE 24 OCT 88 TIME 0907 GMT

LAT 03 59.6N LONG 110 00.2W



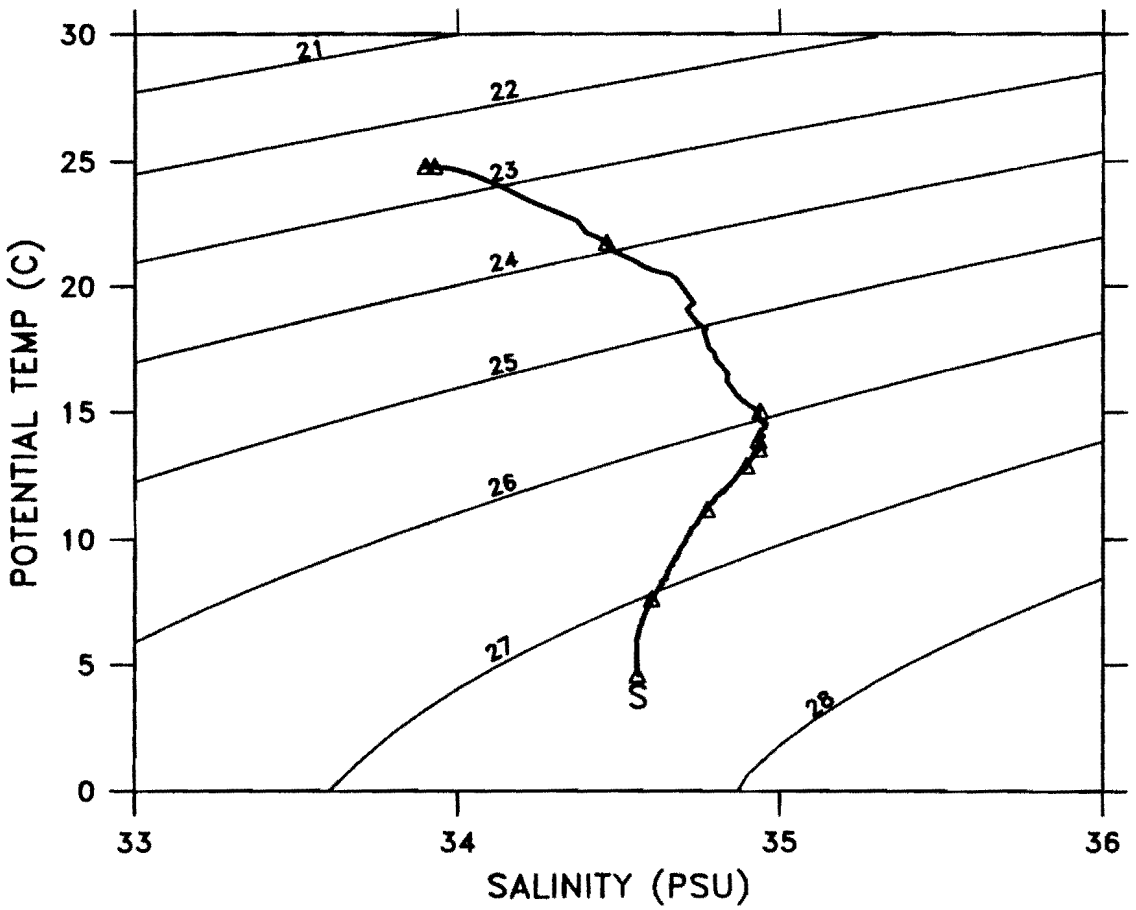


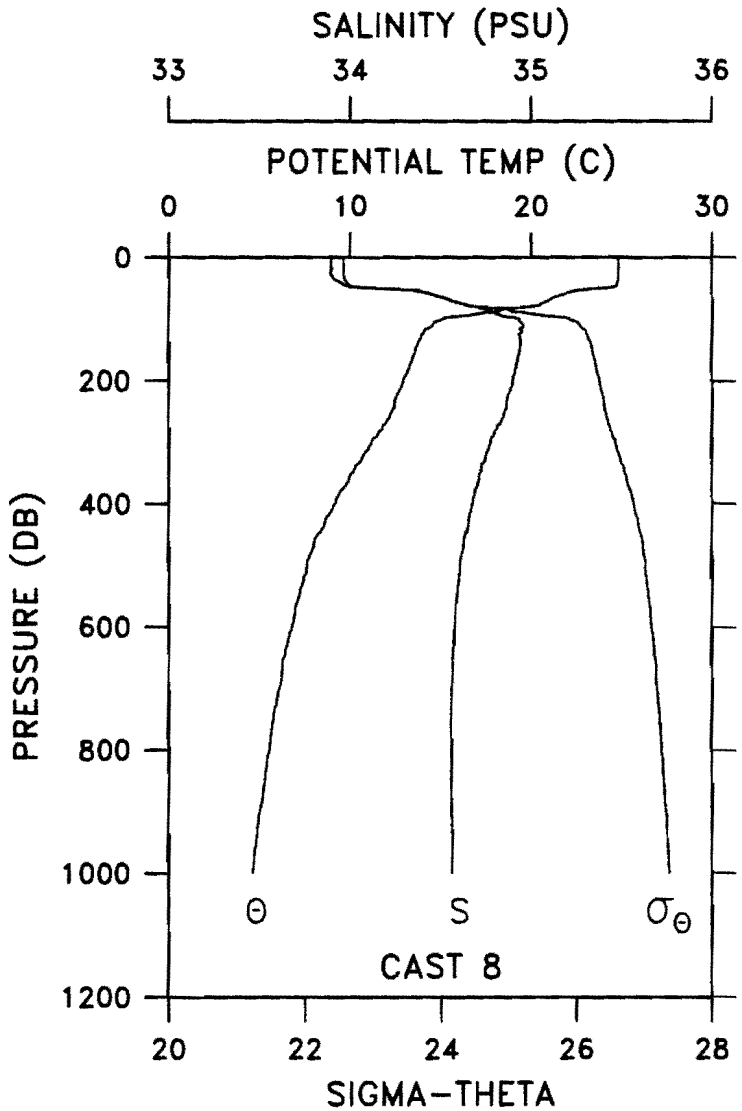
CAST EP4-88-OC -007 DATE 24 OCT 88 TIME 0907 GMT
LAT 03 59.6N LONG 110 00.2W WEATHER 2 SEA STATE 4
BAROMETER 11 WIND DIR 185 T SPD 20 KT VISIBILITY 7
CLOUD 5 AMOUNT 8 DRY 23.2 WET 21.8 DEPTH 3821 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.067	33.721	22.050	0.000
10	26.068	33.719	22.048	0.058
20	26.056	33.719	22.052	0.115
30	25.850	33.760	22.146	0.173
40	24.282	34.042	22.834	0.225
50	23.802	34.119	23.035	0.274
60	22.551	34.355	23.574	0.322
70	22.085	34.474	23.796	0.363
80	21.856	34.542	23.912	0.404
90	20.255	34.720	24.482	0.442
100	17.645	34.714	25.141	0.474
110	15.271	34.802	25.760	0.499
120	13.923	34.902	26.129	0.519
130	13.672	34.911	26.187	0.538
140	13.386	34.904	26.241	0.556
150	13.175	34.888	26.272	0.574
160	13.097	34.901	26.297	0.592
170	12.928	34.893	26.325	0.609
180	12.809	34.891	26.347	0.627
190	12.669	34.881	26.367	0.644
200	12.457	34.862	26.394	0.661
250	11.706	34.805	26.494	0.742
300	10.818	34.740	26.606	0.820
350	10.064	34.705	26.711	0.893
400	9.191	34.670	26.829	0.960
450	8.622	34.647	26.902	1.024
500	7.922	34.622	26.989	1.083
550	7.065	34.587	27.085	1.139
600	6.503	34.575	27.151	1.190
650	6.087	34.570	27.202	1.239
700	5.829	34.565	27.231	1.286
750	5.519	34.563	27.267	1.331
800	5.310	34.560	27.290	1.376
900	4.925	34.559	27.335	1.461
1000	4.500	34.562	27.384	1.543
1001	4.491	34.562	27.385	1.544

CAST EP4-88-OC -008 DATE 24 OCT 88 TIME 1437 GMT

LAT 03 00.0N LONG 110 00.3W



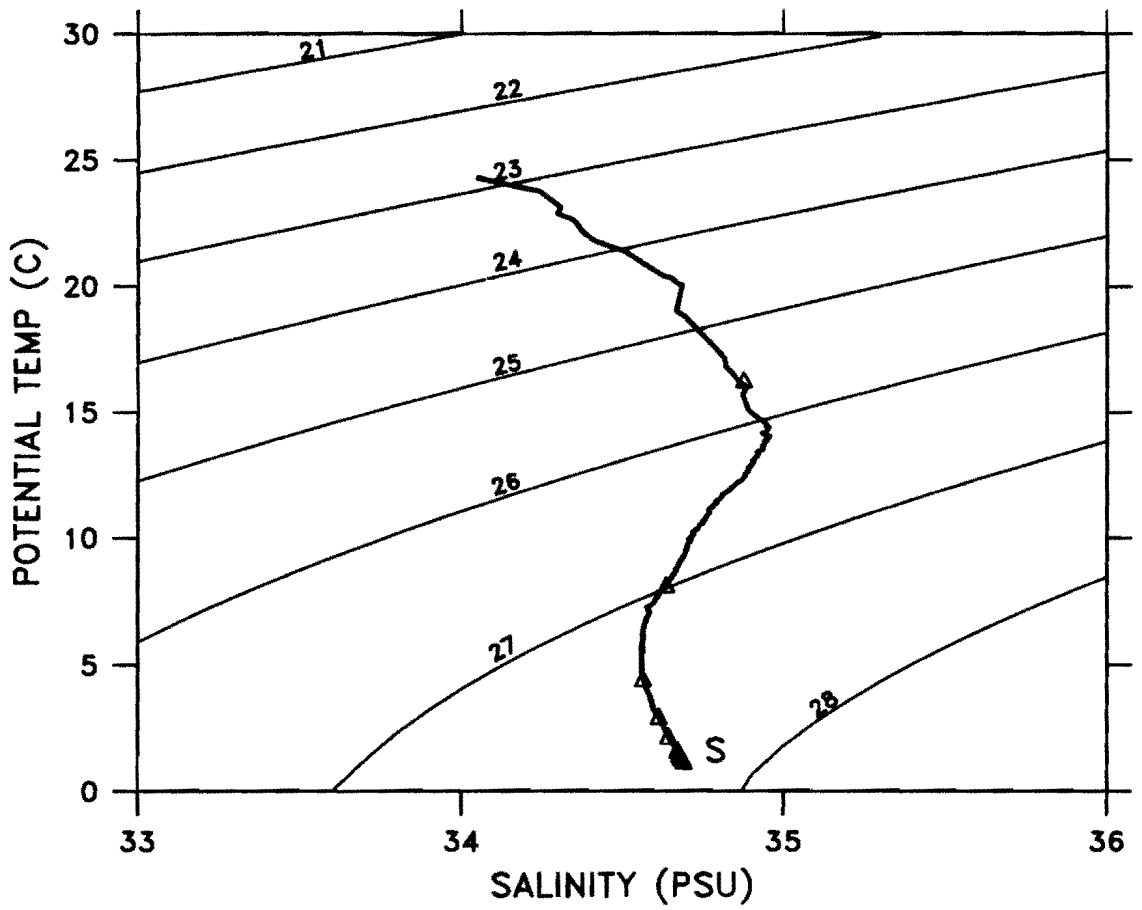


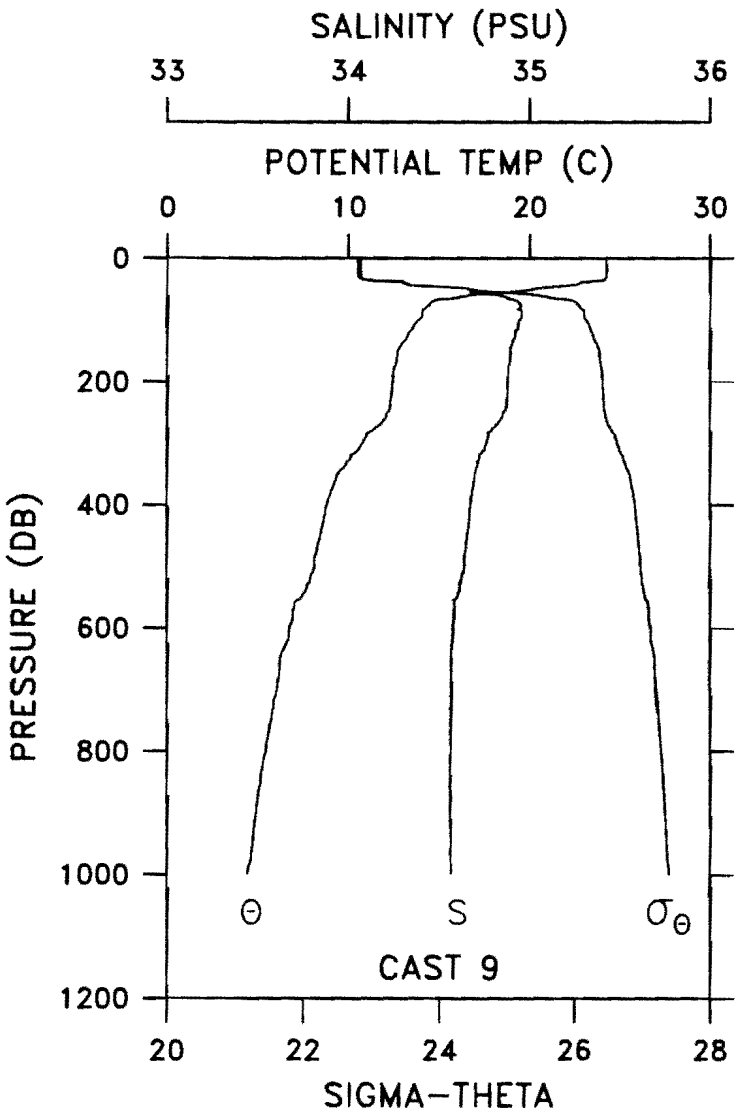
CAST EP4-88-OC -008 DATE 24 OCT 88 TIME 1437 GMT
LAT 03 00.0N LONG 110 00.3W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 170 T SPD 20 KT VISIBILITY 8
CLOUD 8 AMOUNT 7 DRY 22.2 WET 21.2 DEPTH 3864 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.798	33.894	22.568	0.000
10	24.798	33.893	22.568	0.053
20	24.798	33.897	22.571	0.105
30	24.793	33.903	22.577	0.158
40	24.749	33.945	22.621	0.211
50	23.991	34.129	22.986	0.262
60	21.854	34.448	23.841	0.305
70	20.995	34.549	24.153	0.344
80	19.805	34.705	24.589	0.381
90	17.366	34.796	25.271	0.411
100	15.083	34.933	25.903	0.435
110	14.508	34.959	26.048	0.455
120	14.053	34.949	26.137	0.474
130	13.880	34.938	26.165	0.493
140	13.679	34.942	26.210	0.512
150	13.559	34.935	26.229	0.530
160	13.427	34.927	26.251	0.548
170	13.315	34.921	26.269	0.566
180	13.201	34.914	26.287	0.584
190	13.056	34.907	26.310	0.602
200	12.901	34.897	26.334	0.619
250	12.272	34.852	26.422	0.704
300	11.168	34.774	26.569	0.784
350	10.111	34.713	26.709	0.858
400	9.139	34.675	26.842	0.925
450	8.218	34.632	26.952	0.987
500	7.616	34.605	27.021	1.044
550	7.187	34.588	27.069	1.099
600	6.780	34.575	27.114	1.152
650	6.333	34.562	27.163	1.202
700	6.083	34.558	27.193	1.251
750	5.755	34.555	27.232	1.299
800	5.537	34.558	27.261	1.345
900	5.003	34.557	27.323	1.433
1000	4.607	34.561	27.372	1.516
1004	4.599	34.561	27.373	1.519

CAST EP4-88-OC -009 DATE 25 OCT 88 TIME 1045 GMT

LAT 02 00.5N LONG 110 08.9W



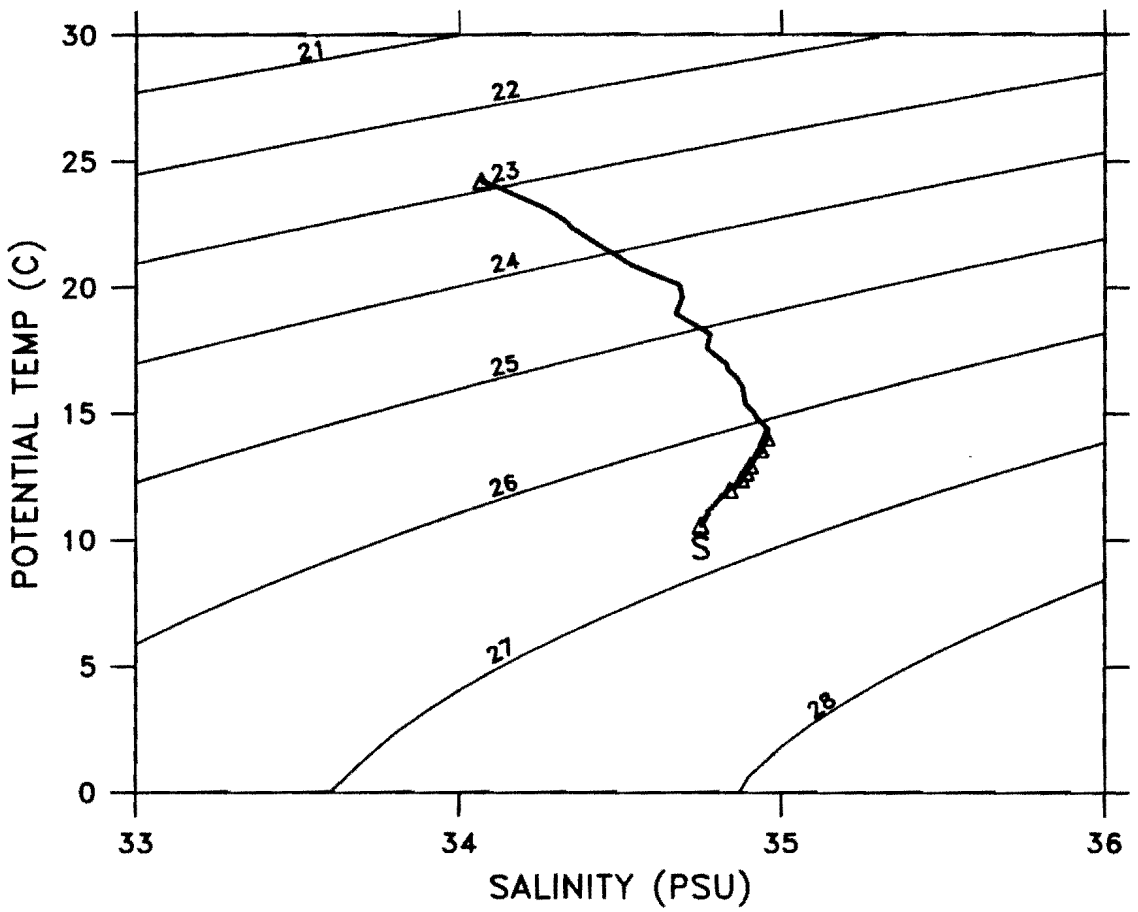


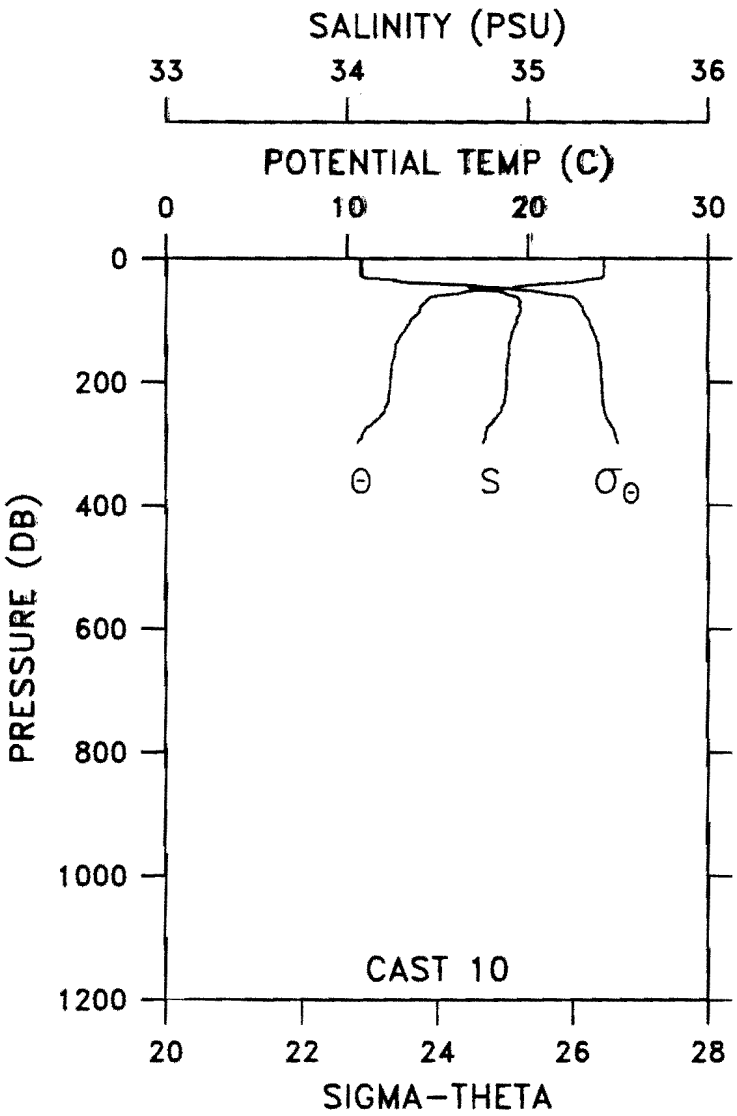
CAST EP4-88-OC -009 DATE 25 OCT 88 TIME 1045 GMT
LAT 02 00.5N LONG 110 08.9W WEATHER 3 SEA STATE 2
BAROMETER 12 WIND DIR 145 T SPD 10 KT VISIBILITY 7
CLOUD X AMOUNT 6 DRY 22.2 WET 19.6 DEPTH 3886 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.272	34.054	22.846	0.000
10	24.278	34.051	22.843	0.050
20	24.278	34.052	22.844	0.100
30	24.267	34.056	22.850	0.150
40	22.809	34.306	23.463	0.199
50	20.107	34.669	24.482	0.239
60	16.577	34.838	25.491	0.269
70	14.611	34.939	26.010	0.291
80	14.252	34.947	26.094	0.311
90	14.036	34.956	26.147	0.330
100	13.832	34.941	26.177	0.349
110	13.567	34.936	26.229	0.367
120	13.324	34.921	26.267	0.385
130	13.170	34.912	26.291	0.403
140	12.883	34.900	26.340	0.420
150	12.686	34.892	26.372	0.437
160	12.656	34.891	26.377	0.454
170	12.605	34.888	26.385	0.471
180	12.487	34.881	26.403	0.487
190	12.439	34.879	26.411	0.504
200	12.413	34.878	26.415	0.521
250	12.126	34.850	26.449	0.603
300	10.773	34.758	26.628	0.681
350	9.417	34.696	26.812	0.751
400	8.818	34.670	26.889	0.814
450	8.443	34.654	26.935	0.875
500	8.128	34.638	26.970	0.934
550	7.430	34.598	27.042	0.991
600	6.758	34.575	27.118	1.044
650	6.266	34.564	27.174	1.095
700	6.083	34.566	27.199	1.144
750	5.777	34.561	27.234	1.191
800	5.493	34.565	27.272	1.236
900	4.945	34.558	27.332	1.323
1000	4.481	34.564	27.388	1.405
1500	3.020	34.610	27.572	1.753
2000	2.211	34.641	27.667	2.036
2500	1.641	34.669	27.734	2.280
3000	1.460	34.676	27.753	2.510
3500	1.240	34.689	27.779	2.732
3798	1.190	34.691	27.784	2.862

CAST EP4-88-OC -010 DATE 25 OCT 88 TIME 1329 GMT

LAT 01 57.6N LONG 110 06.3W



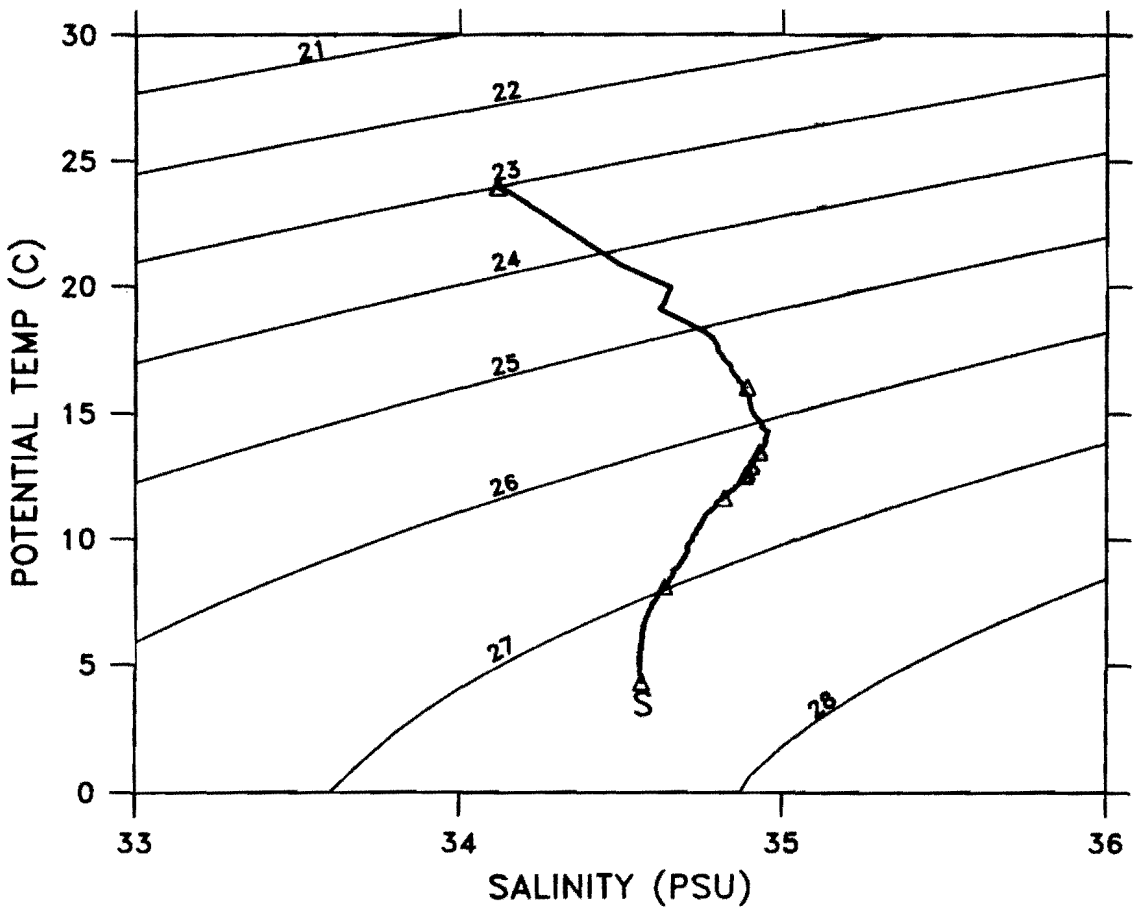


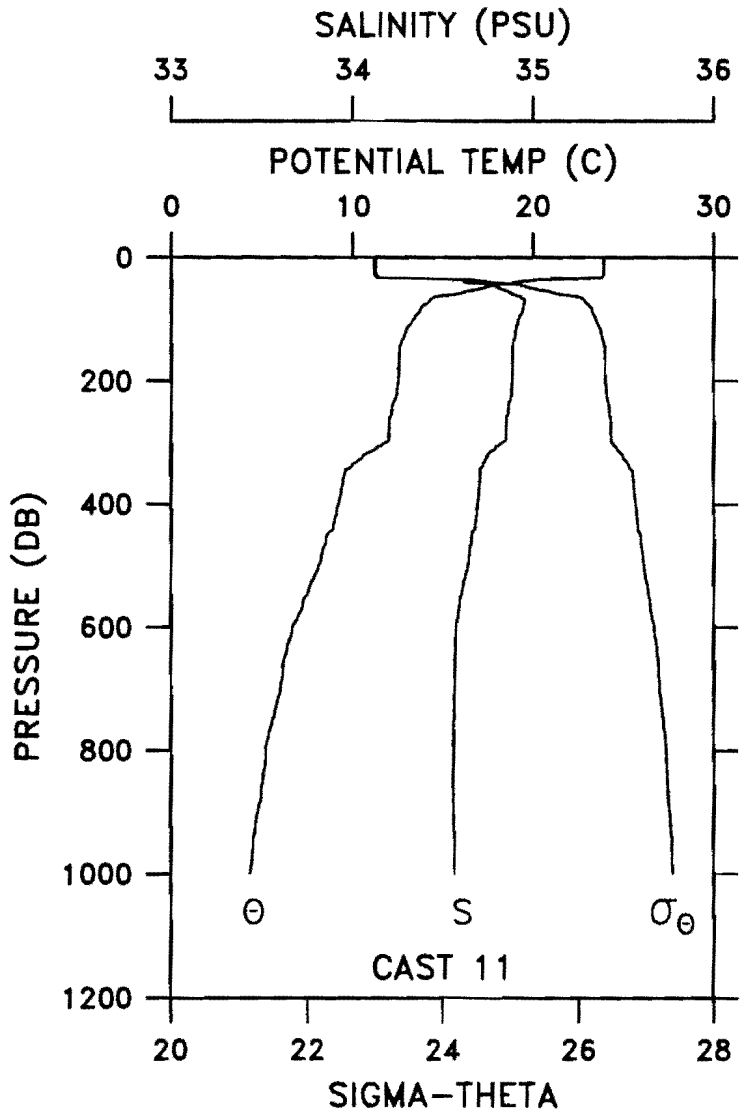
CAST EP4-88-OC -010 DATE 25 OCT 88 TIME 1329 GMT
LAT 01 57.6N LONG 110 06.3W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 150 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 6 DRY 22.3 WET 19.3 DEPTH 3886 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.192	34.072	22.884	0.000
10	24.192	34.071	22.883	0.050
20	24.198	34.071	22.882	0.099
30	24.146	34.086	22.908	0.149
40	21.624	34.443	23.900	0.195
50	17.857	34.774	25.135	0.228
60	15.075	34.912	25.888	0.253
70	14.353	34.958	26.081	0.273
80	14.039	34.957	26.146	0.292
90	13.886	34.953	26.176	0.311
100	13.529	34.933	26.234	0.329
110	13.326	34.927	26.271	0.347
120	13.081	34.909	26.307	0.364
130	12.866	34.903	26.345	0.382
140	12.681	34.894	26.375	0.398
150	12.658	34.893	26.379	0.415
160	12.606	34.890	26.387	0.432
170	12.492	34.884	26.404	0.449
180	12.437	34.882	26.413	0.465
190	12.412	34.879	26.416	0.482
200	12.383	34.878	26.421	0.498
250	12.013	34.842	26.464	0.580
299	10.565	34.753	26.661	0.655

CAST EP4-88-OC -011 DATE 25 OCT 88 TIME 1633 GMT

LAT 01 29.7N LONG 110 00.4W



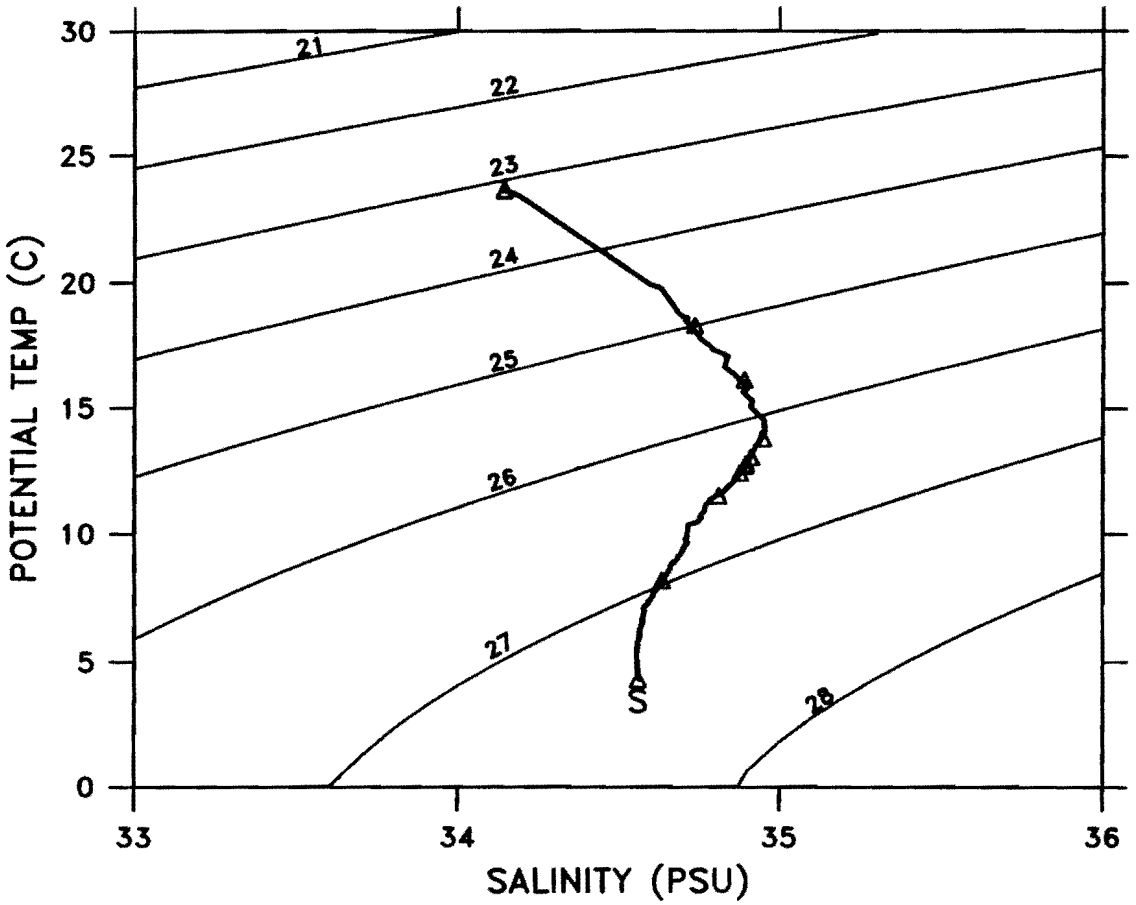


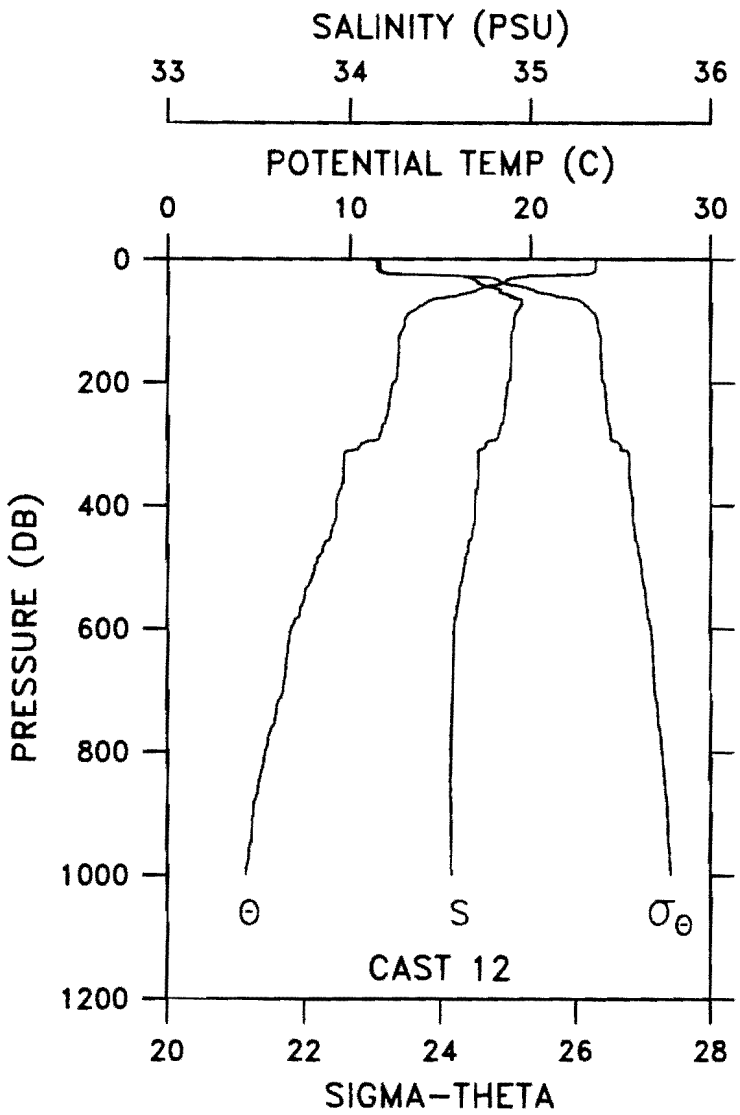
CAST EP4-88-OC -011 DATE 25 OCT 88 TIME 1633 GMT
LAT 01 29.7N LONG 110 00.4W WEATHER 2 SEA STATE 4
BAROMETER 14 WIND DIR 131 T SPD 09 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 21.5 WET 19.4 DEPTH 3733 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.909	34.118	23.002	0.000
10	23.908	34.118	23.002	0.049
20	23.909	34.118	23.002	0.097
30	23.877	34.125	23.017	0.146
40	19.080	34.617	24.709	0.186
50	17.186	34.816	25.329	0.215
60	15.646	34.896	25.749	0.239
70	14.278	34.956	26.095	0.259
80	13.843	34.947	26.180	0.278
90	13.675	34.939	26.208	0.296
100	13.387	34.920	26.253	0.314
110	13.154	34.913	26.295	0.332
120	12.947	34.903	26.329	0.349
130	12.831	34.900	26.350	0.366
140	12.658	34.892	26.378	0.383
150	12.582	34.889	26.391	0.400
160	12.571	34.888	26.392	0.417
170	12.559	34.889	26.395	0.433
180	12.547	34.888	26.397	0.450
190	12.539	34.888	26.399	0.467
200	12.535	34.888	26.399	0.483
250	12.153	34.863	26.454	0.566
300	11.784	34.825	26.495	0.647
350	9.554	34.707	26.799	0.720
400	9.199	34.693	26.846	0.785
450	8.578	34.660	26.919	0.848
500	8.115	34.638	26.972	0.907
550	7.400	34.595	27.044	0.964
600	6.694	34.575	27.126	1.018
650	6.239	34.565	27.179	1.068
700	6.028	34.567	27.207	1.116
750	5.589	34.563	27.258	1.162
800	5.214	34.560	27.302	1.207
900	4.756	34.558	27.353	1.291
1000	4.348	34.566	27.404	1.371
1007	4.325	34.566	27.407	1.376

CAST EP4-88-OC -012 DATE 25 OCT 88 TIME 2007 GMT

LAT 00 59.6N LONG 110 00.7W



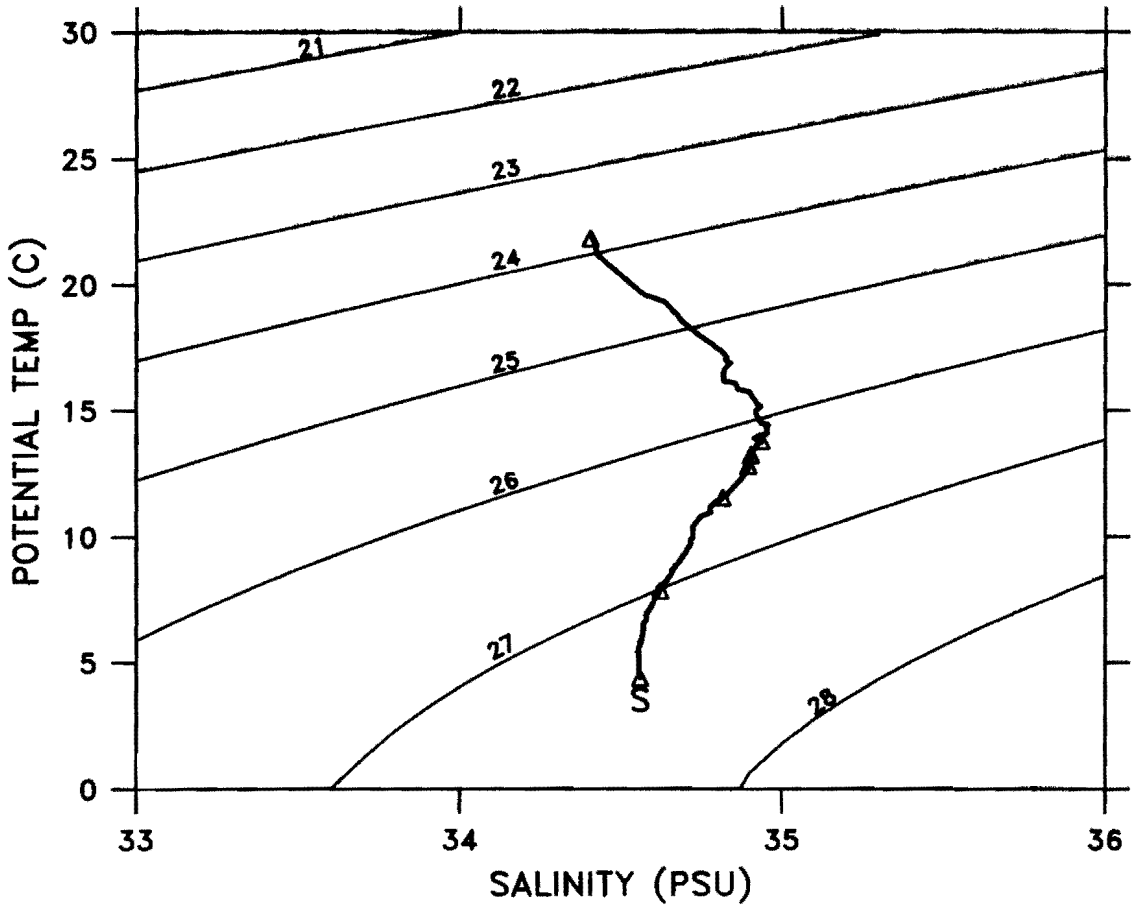


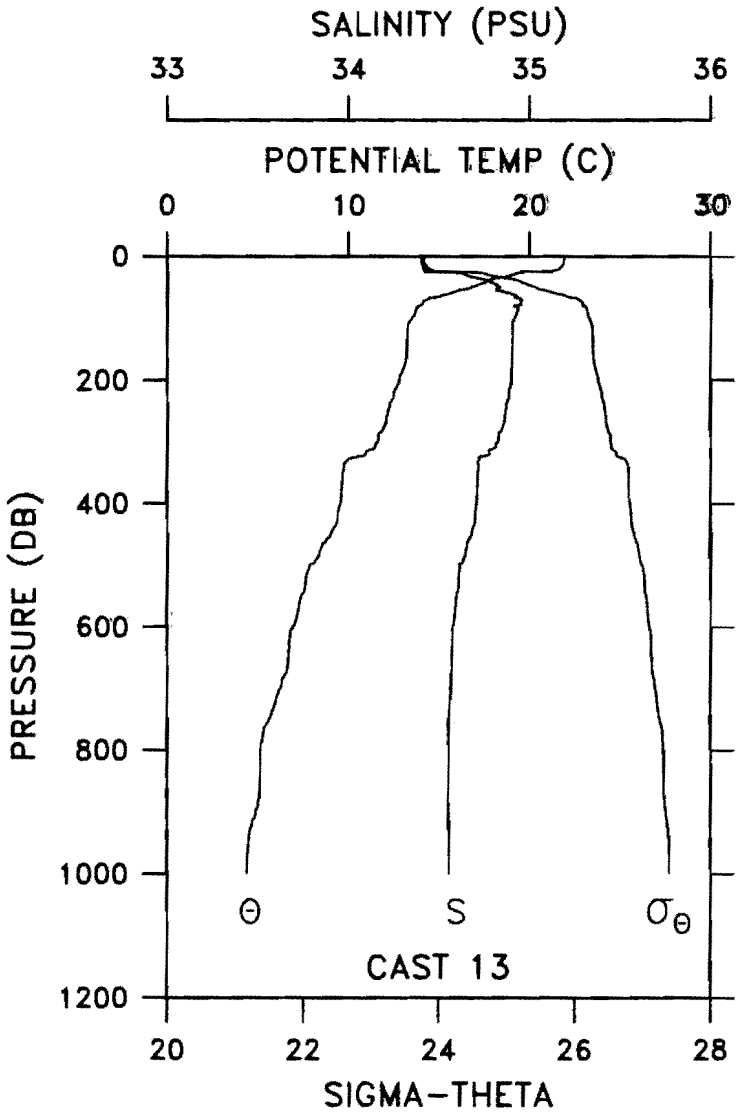
CAST EP4-88-OC -012 DATE 25 OCT 88 TIME 2007 GMT
LAT 00 59.6N LONG 110 00.7W WEATHER 2 SEA STATE 4
BAROMETER 14 WIND DIR 155 T SPD 12 KT VISIBILITY 7
CLOUD 4 AMOUNT 7 DRY 21.8 WET 19.8 DEPTH 3803 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.623	34.135	23.099	0.000
10	23.614	34.151	23.114	0.048
20	23.564	34.161	23.136	0.095
30	19.232	34.662	24.705	0.136
40	18.365	34.721	24.969	0.167
50	17.062	34.838	25.376	0.195
60	15.836	34.901	25.709	0.220
70	14.229	34.952	26.102	0.240
80	13.707	34.939	26.202	0.259
90	13.177	34.915	26.292	0.277
100	13.015	34.909	26.320	0.294
110	12.979	34.906	26.325	0.311
120	12.810	34.897	26.352	0.328
130	12.713	34.895	26.369	0.345
140	12.696	34.894	26.372	0.362
150	12.690	34.894	26.373	0.379
160	12.677	34.894	26.375	0.396
170	12.657	34.893	26.379	0.413
180	12.635	34.893	26.383	0.430
190	12.600	34.889	26.387	0.446
200	12.426	34.874	26.409	0.463
250	12.099	34.858	26.460	0.545
300	10.607	34.757	26.657	0.624
350	9.634	34.713	26.790	0.692
400	9.242	34.695	26.841	0.757
450	8.932	34.677	26.877	0.821
500	8.064	34.632	26.975	0.881
550	7.513	34.605	27.035	0.938
600	6.780	34.576	27.115	0.992
650	6.515	34.575	27.150	1.043
700	6.322	34.569	27.171	1.093
750	5.874	34.564	27.224	1.142
800	5.355	34.558	27.283	1.187
900	4.716	34.560	27.359	1.272
1000	4.291	34.564	27.409	1.351
1001	4.284	34.564	27.409	1.352

CAST EP4-88-OC -013 DATE 25 OCT 88 TIME 2335 GMT

LAT 00 29.6N LONG 110 00.4W



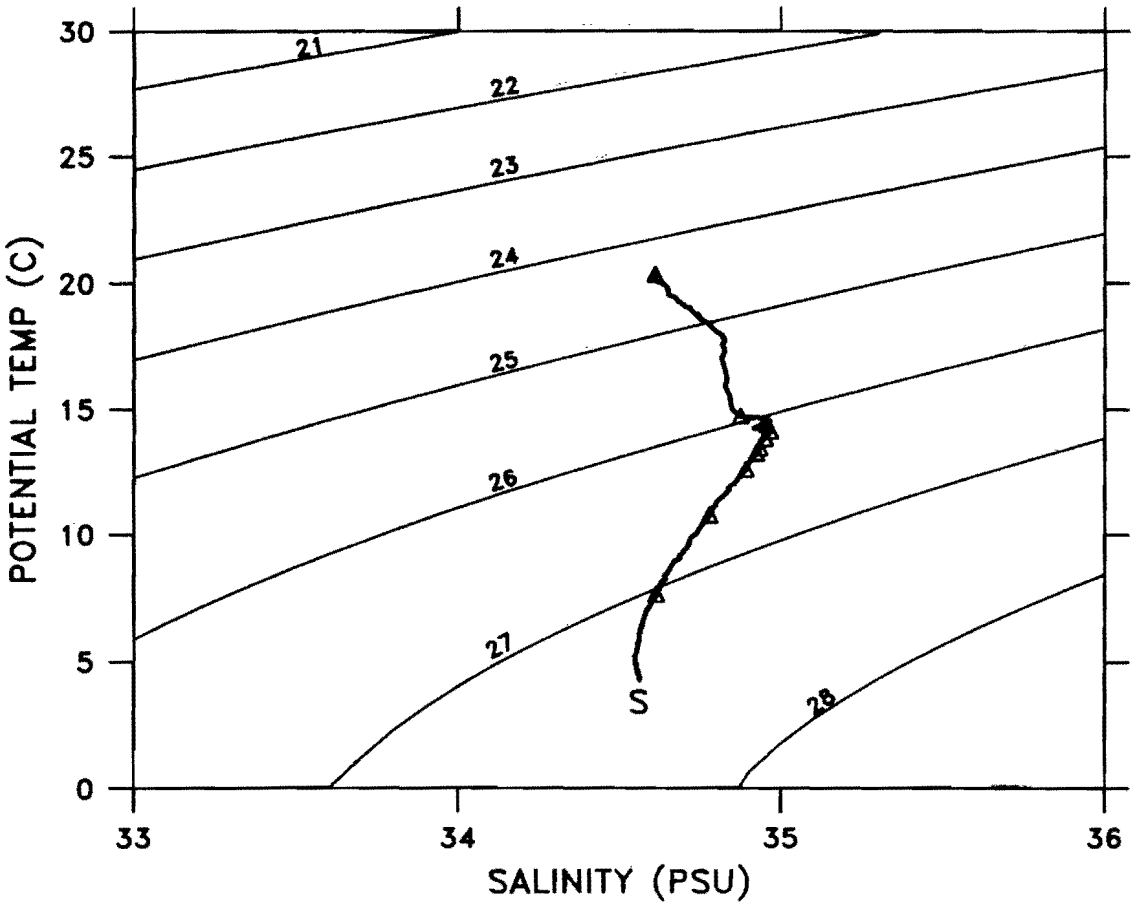


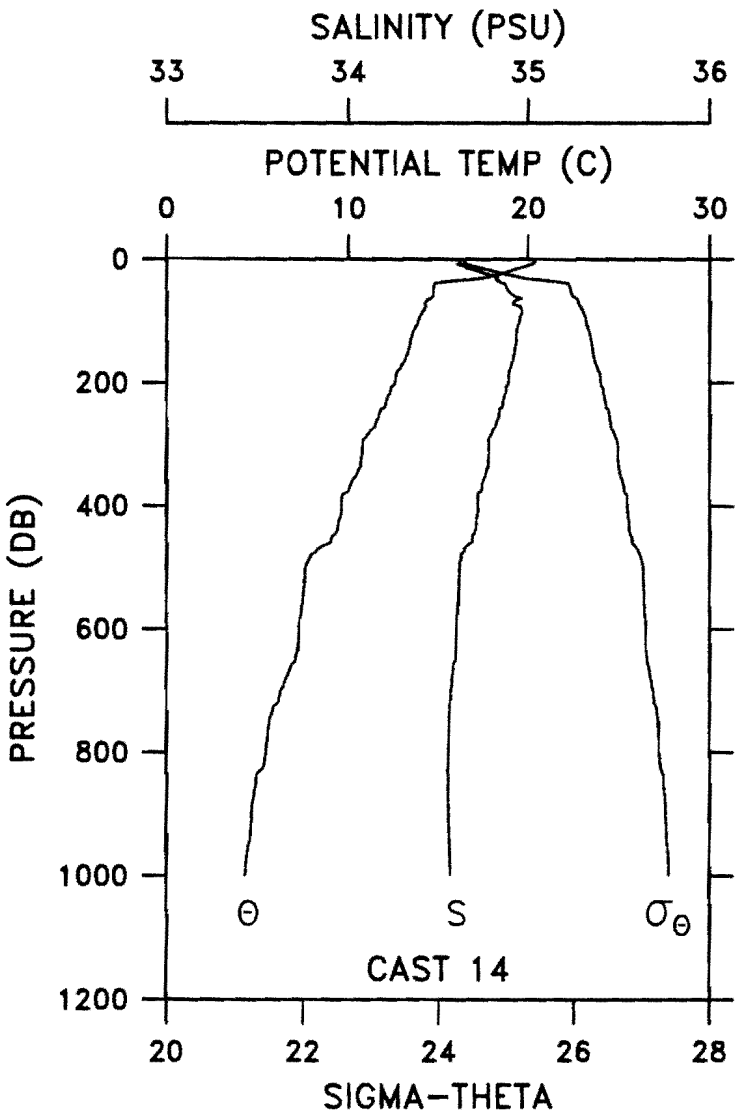
CAST EP4-88-OC -013 DATE 25 OCT 88 TIME 2335 GMT
LAT 00 29.6N LONG 110 00.4W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 135 T SPD 12 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 21.2 WET 19.3 DEPTH 3743 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.936	34.401	23.782	0.000
10	21.929	34.407	23.789	0.041
20	21.658	34.418	23.873	0.082
30	19.022	34.655	24.754	0.118
40	17.626	34.782	25.198	0.147
50	16.820	34.839	25.435	0.174
60	15.665	34.901	25.748	0.198
70	14.381	34.957	26.074	0.219
80	13.893	34.913	26.143	0.238
90	13.716	34.931	26.194	0.257
100	13.517	34.917	26.224	0.275
110	13.306	34.909	26.261	0.293
120	13.272	34.908	26.267	0.311
130	13.252	34.907	26.271	0.328
140	13.244	34.906	26.271	0.346
150	13.241	34.906	26.272	0.364
160	13.225	34.905	26.275	0.382
170	13.165	34.906	26.287	0.400
180	13.067	34.903	26.305	0.417
190	12.905	34.899	26.335	0.435
200	12.821	34.898	26.350	0.452
250	12.197	34.868	26.449	0.536
300	11.627	34.825	26.524	0.616
350	9.662	34.715	26.787	0.688
400	9.539	34.708	26.802	0.755
450	9.011	34.684	26.869	0.820
500	7.867	34.619	26.995	0.880
550	7.397	34.601	27.049	0.936
600	6.960	34.583	27.096	0.990
650	6.696	34.578	27.128	1.042
700	6.250	34.568	27.179	1.093
750	5.648	34.557	27.247	1.140
800	5.188	34.556	27.301	1.184
900	4.902	34.557	27.335	1.270
1000	4.399	34.562	27.395	1.350
1001	4.386	34.562	27.397	1.351

CAST EP4-88-OC -014 DATE 26 OCT 88 TIME 0510 GMT

LAT 00 30.1S LONG 110 00.7W



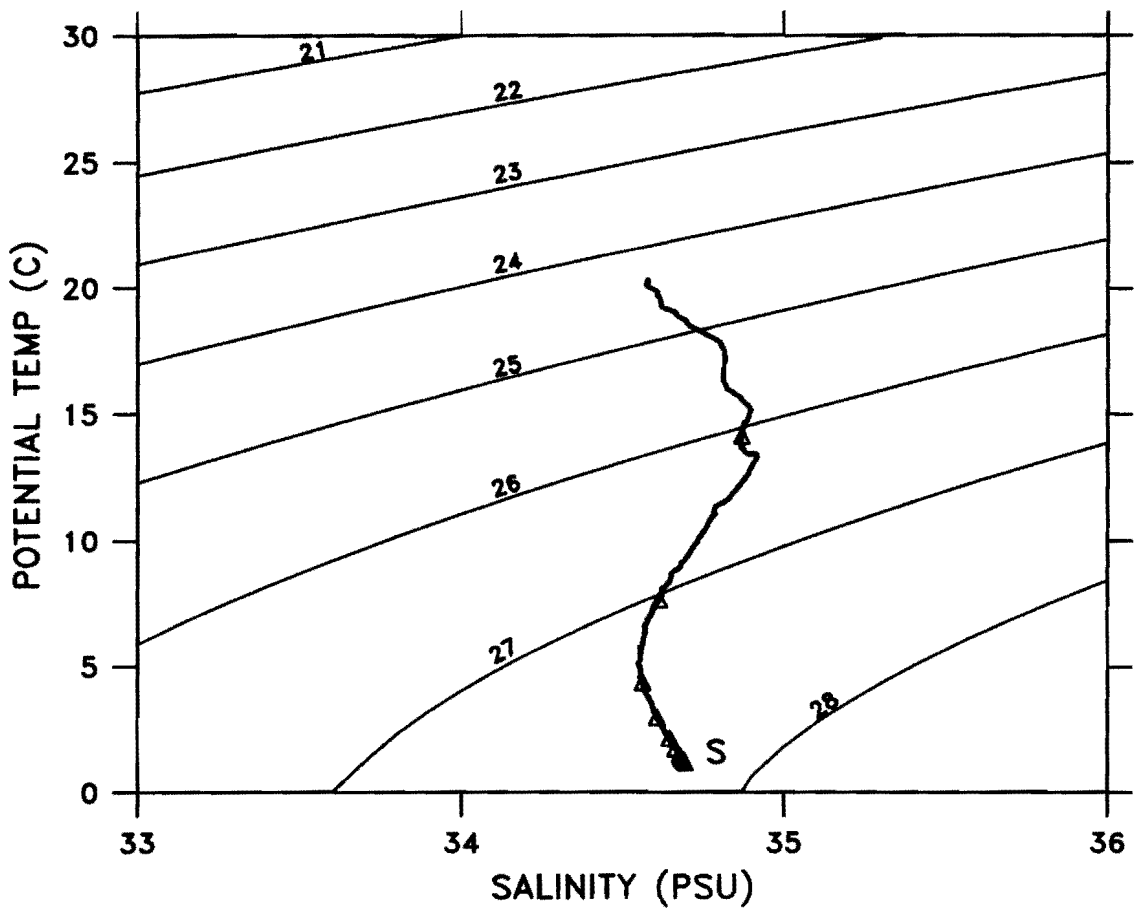


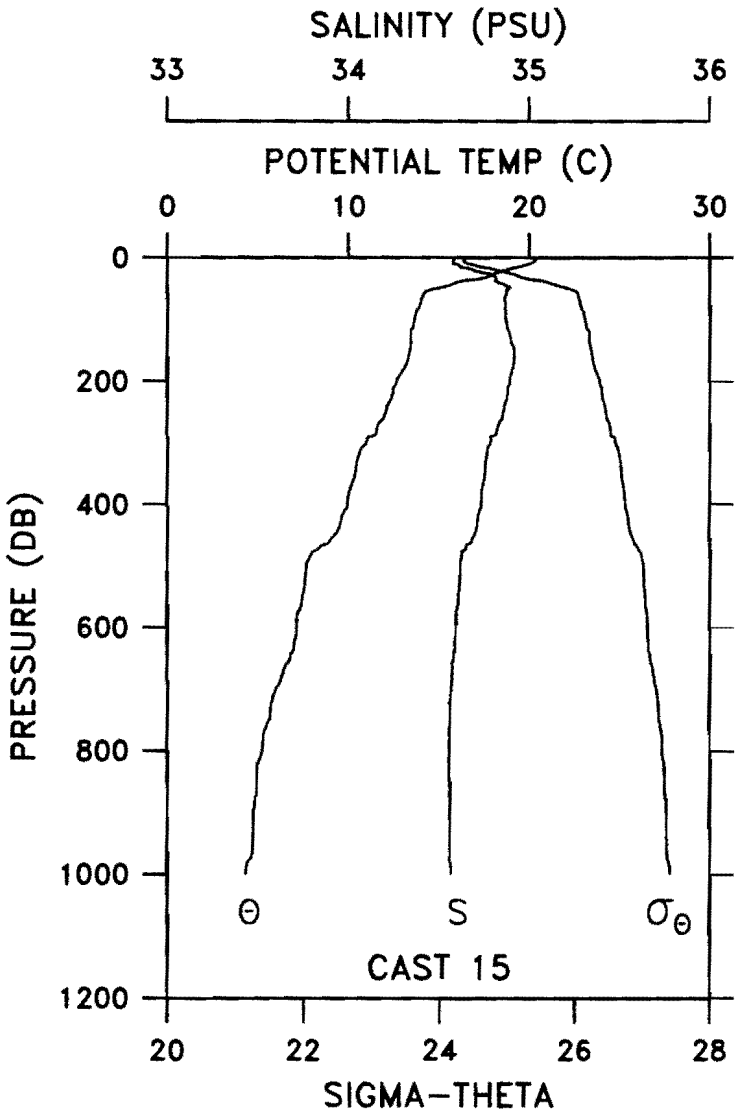
CAST EP4-88-OC -014 DATE 26 OCT 88 TIME 0510 GMT
LAT 00 30.1S LONG 110 00.7W WEATHER 0 SEA STATE 3
BAROMETER 14 WIND DIR 110 T SPD 10 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 20.2 WET 19.2 DEPTH 3621 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.352	34.616	24.377	0.000
10	19.981	34.633	24.488	0.035
20	18.837	34.728	24.856	0.068
30	17.598	34.817	25.231	0.097
40	14.750	34.870	25.927	0.121
50	14.693	34.886	25.951	0.142
60	14.682	34.928	25.987	0.162
70	14.258	34.916	26.069	0.182
80	14.188	34.963	26.119	0.201
90	14.002	34.960	26.156	0.220
100	13.858	34.951	26.180	0.239
110	13.698	34.940	26.204	0.257
120	13.548	34.933	26.230	0.275
130	13.442	34.934	26.252	0.293
140	13.364	34.930	26.265	0.311
150	13.281	34.923	26.277	0.329
160	13.150	34.916	26.298	0.347
170	12.971	34.907	26.327	0.364
180	12.767	34.894	26.358	0.381
190	12.609	34.891	26.387	0.398
200	12.552	34.889	26.397	0.415
250	11.716	34.838	26.518	0.496
300	10.776	34.780	26.645	0.572
350	10.449	34.760	26.687	0.645
400	9.638	34.716	26.792	0.714
450	9.104	34.688	26.857	0.780
500	7.647	34.614	27.023	0.839
550	7.502	34.608	27.039	0.895
600	7.287	34.599	27.063	0.950
650	7.092	34.591	27.084	1.004
700	6.278	34.566	27.174	1.056
750	5.662	34.558	27.246	1.103
800	5.492	34.554	27.263	1.149
900	4.708	34.555	27.356	1.234
1000	4.311	34.562	27.405	1.313
1004	4.288	34.563	27.408	1.316

CAST EP4-88-OC -015 DATE 26 OCT 88 TIME 0933 GMT

LAT 00 01.3S LONG 110 10.0W



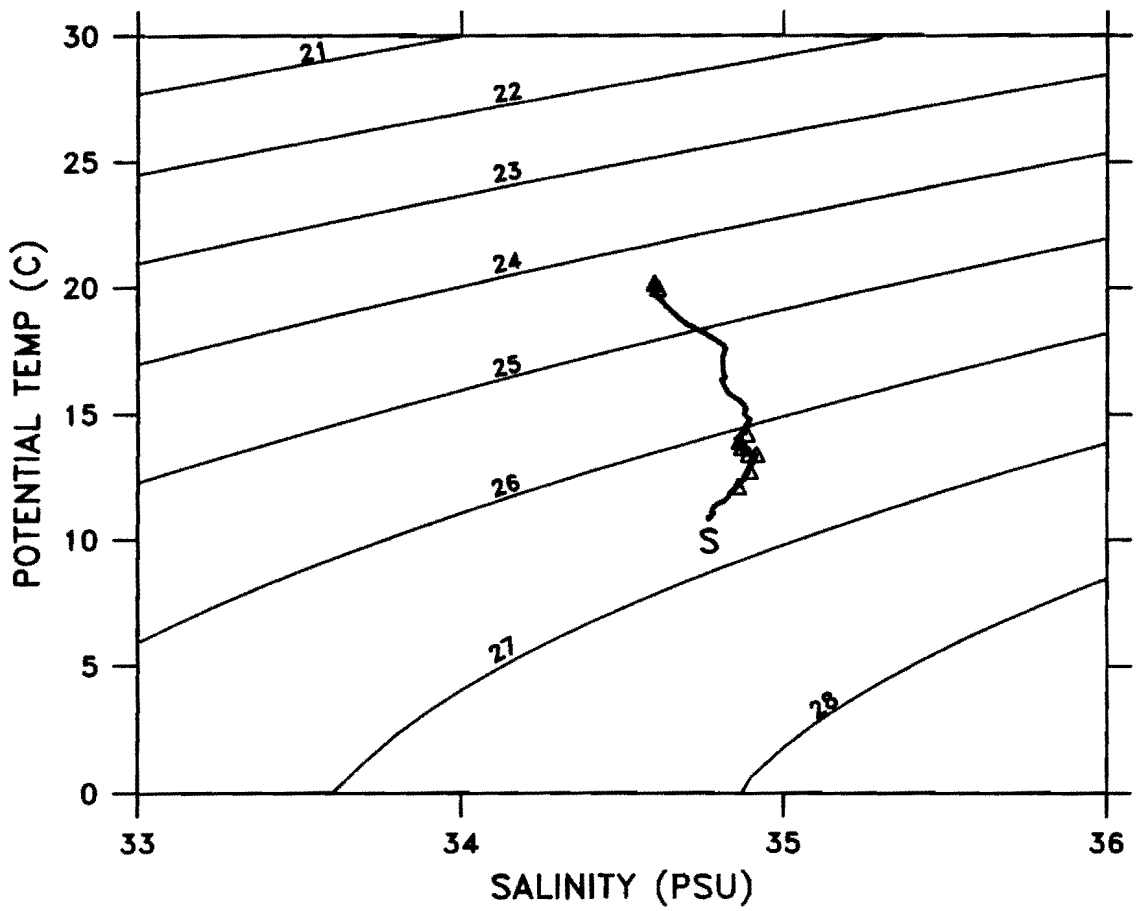


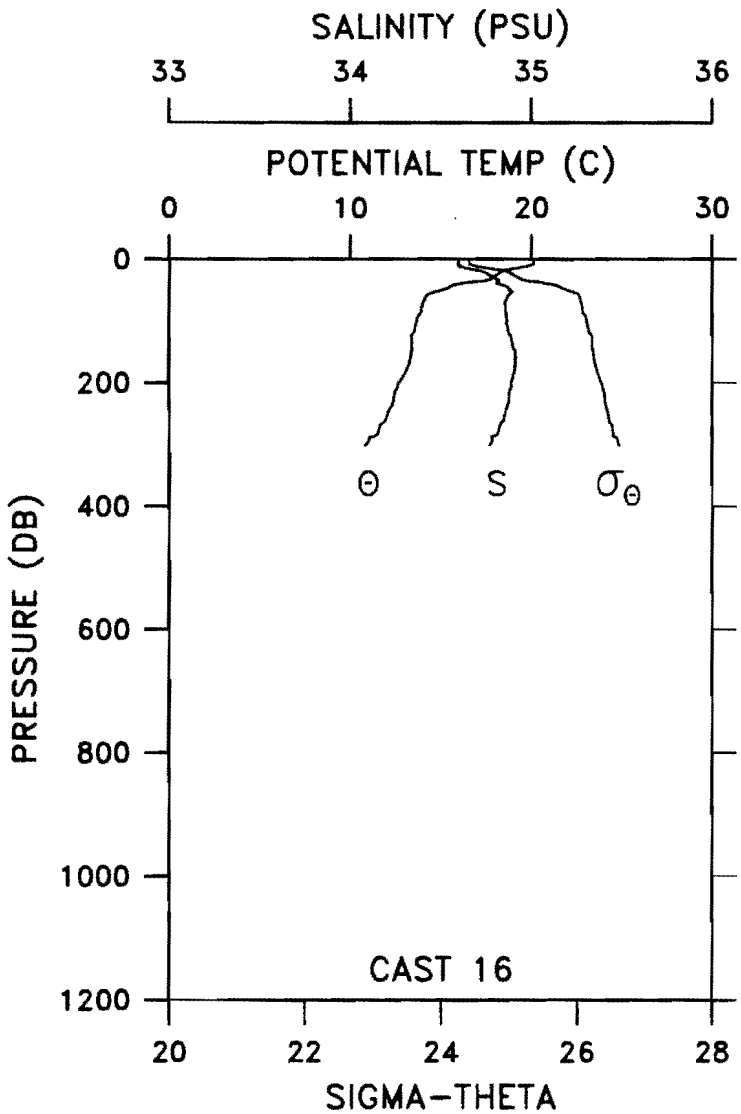
CAST EP4-88-OC -015 DATE 26 OCT 88 TIME 0933 GMT
LAT 00 01.3S LONG 110 10.0W WEATHER 0 SEA STATE 3
BAROMETER 12 WIND DIR 110 T SPD 10 KT VISIBILITY 7
CLOUD X AMOUNT 0 DRY 21.1 WET 18.9 DEPTH 3795 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.319	34.578	24.357	0.000
10	20.043	34.578	24.430	0.036
20	18.724	34.694	24.859	0.068
30	17.768	34.806	25.182	0.098
40	15.971	34.824	25.619	0.124
50	14.744	34.887	25.941	0.146
60	14.123	34.870	26.061	0.166
70	13.983	34.863	26.085	0.185
80	13.889	34.864	26.106	0.205
90	13.697	34.868	26.149	0.224
100	13.618	34.870	26.167	0.242
110	13.560	34.875	26.183	0.261
120	13.398	34.888	26.226	0.280
130	13.401	34.896	26.232	0.298
140	13.410	34.903	26.235	0.316
150	13.357	34.916	26.256	0.334
160	13.294	34.916	26.269	0.352
170	13.207	34.914	26.285	0.370
180	13.034	34.905	26.313	0.387
190	12.804	34.897	26.353	0.405
200	12.627	34.892	26.384	0.422
250	12.041	34.854	26.469	0.504
300	10.967	34.783	26.613	0.582
350	10.366	34.752	26.695	0.654
400	9.943	34.732	26.753	0.724
450	9.234	34.692	26.839	0.791
500	7.668	34.615	27.021	0.851
550	7.440	34.604	27.045	0.906
600	7.128	34.591	27.079	0.961
650	6.788	34.578	27.115	1.014
700	5.998	34.564	27.209	1.064
750	5.650	34.556	27.246	1.110
800	5.246	34.552	27.291	1.154
900	4.750	34.557	27.352	1.239
1000	4.357	34.563	27.401	1.320
1500	2.966	34.606	27.574	1.659
2000	2.121	34.645	27.677	1.936
2500	1.716	34.663	27.724	2.182
3000	1.478	34.675	27.751	2.415
3500	1.262	34.687	27.776	2.639
3699	1.164	34.693	27.787	2.726

CAST EP4-88-OC -016 DATE 26 OCT 88 TIME 1230 GMT

LAT 00 00.6S LONG 110 11.3W



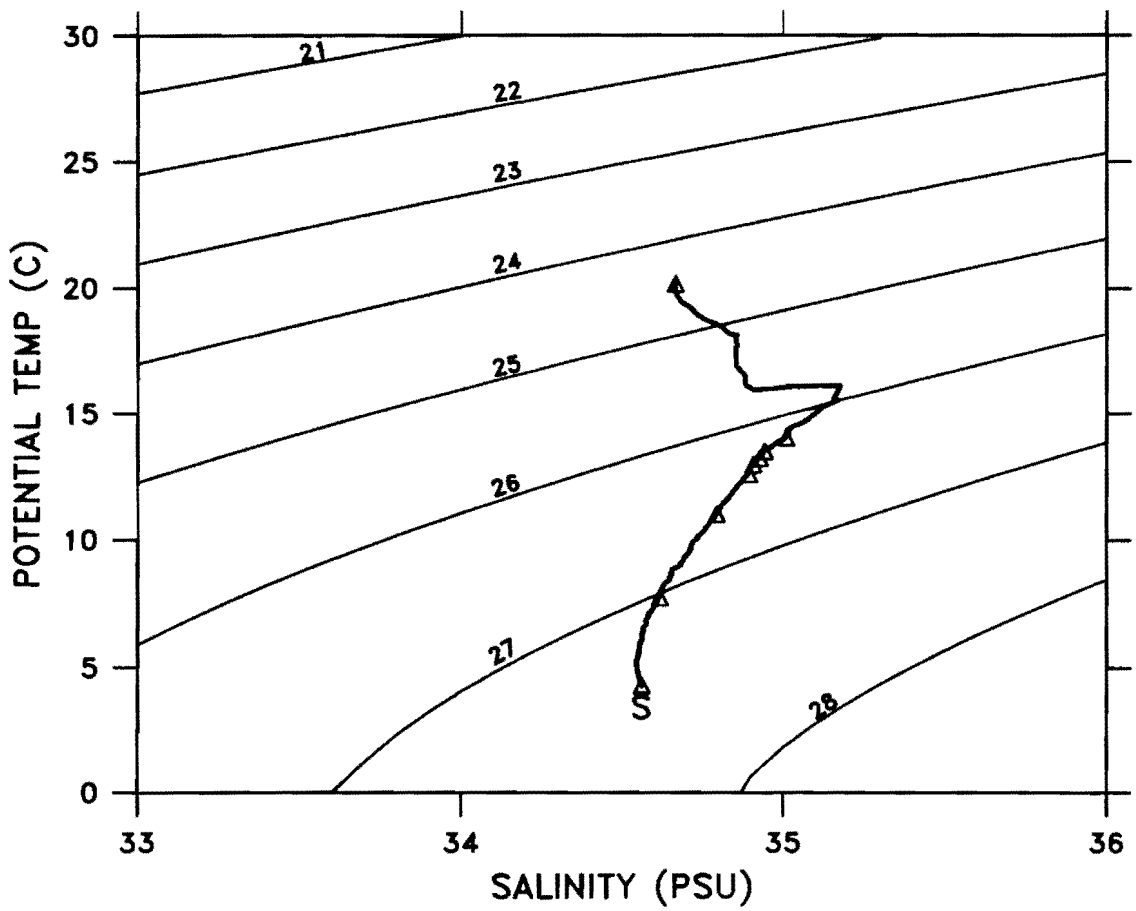


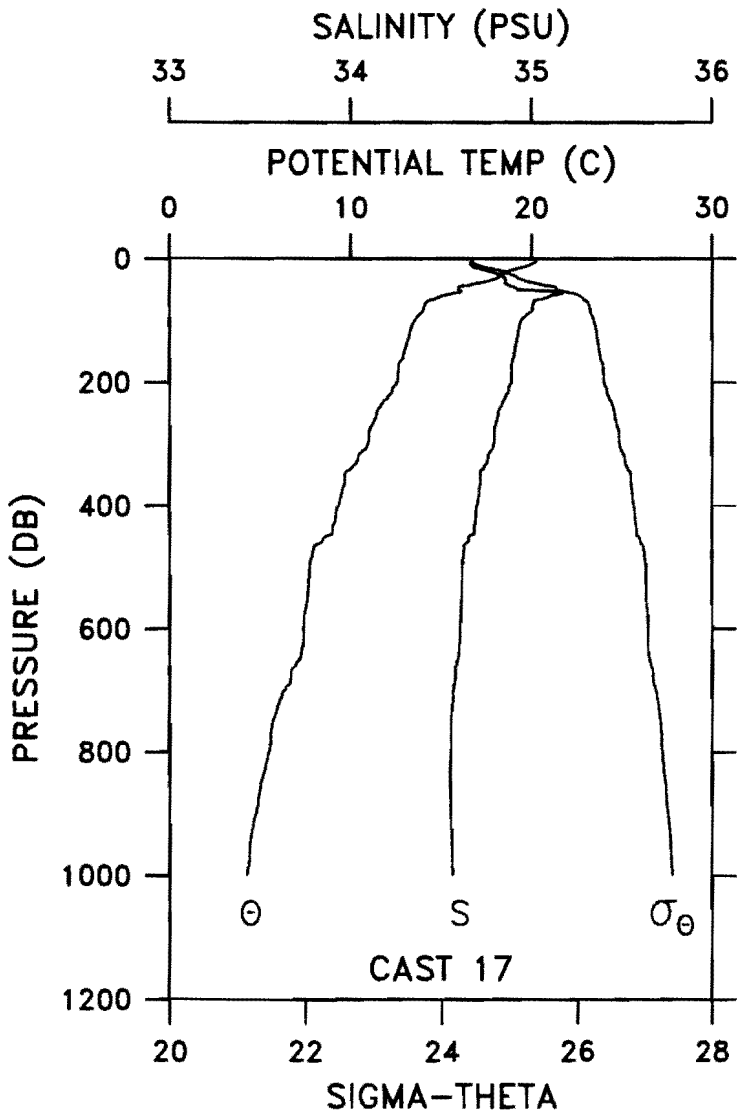
CAST EP4-88-OC -016 DATE 26 OCT 88 TIME 1230 GMT
LAT 00 00.6S LONG 110 11.3W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 115 T SPD 11 KT VISIBILITY 8
CLOUD 0 AMOUNT 2 DRY 23.0 WET 19.8 DEPTH 3818 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.132	34.599	24.422	0.000
10	19.899	34.604	24.487	0.035
20	18.342	34.730	24.982	0.067
30	17.863	34.796	25.150	0.096
40	16.079	34.817	25.590	0.123
50	15.071	34.879	25.863	0.145
60	14.177	34.869	26.049	0.165
70	14.005	34.852	26.072	0.185
80	13.924	34.857	26.093	0.204
90	13.765	34.860	26.129	0.224
100	13.660	34.864	26.154	0.242
110	13.580	34.869	26.174	0.261
120	13.479	34.875	26.200	0.280
130	13.387	34.891	26.231	0.298
140	13.400	34.896	26.232	0.316
150	13.381	34.911	26.247	0.334
160	13.323	34.912	26.260	0.352
170	13.240	34.911	26.276	0.370
180	13.102	34.908	26.302	0.388
190	12.905	34.897	26.333	0.405
200	12.674	34.888	26.371	0.423
250	12.071	34.855	26.463	0.506
300	10.891	34.772	26.618	0.584
302	10.796	34.766	26.631	0.587

CAST EP4-88-OC -017 DATE 27 OCT 88 TIME 0937 GMT

LAT 01 00.4S LONG 109 59.9W



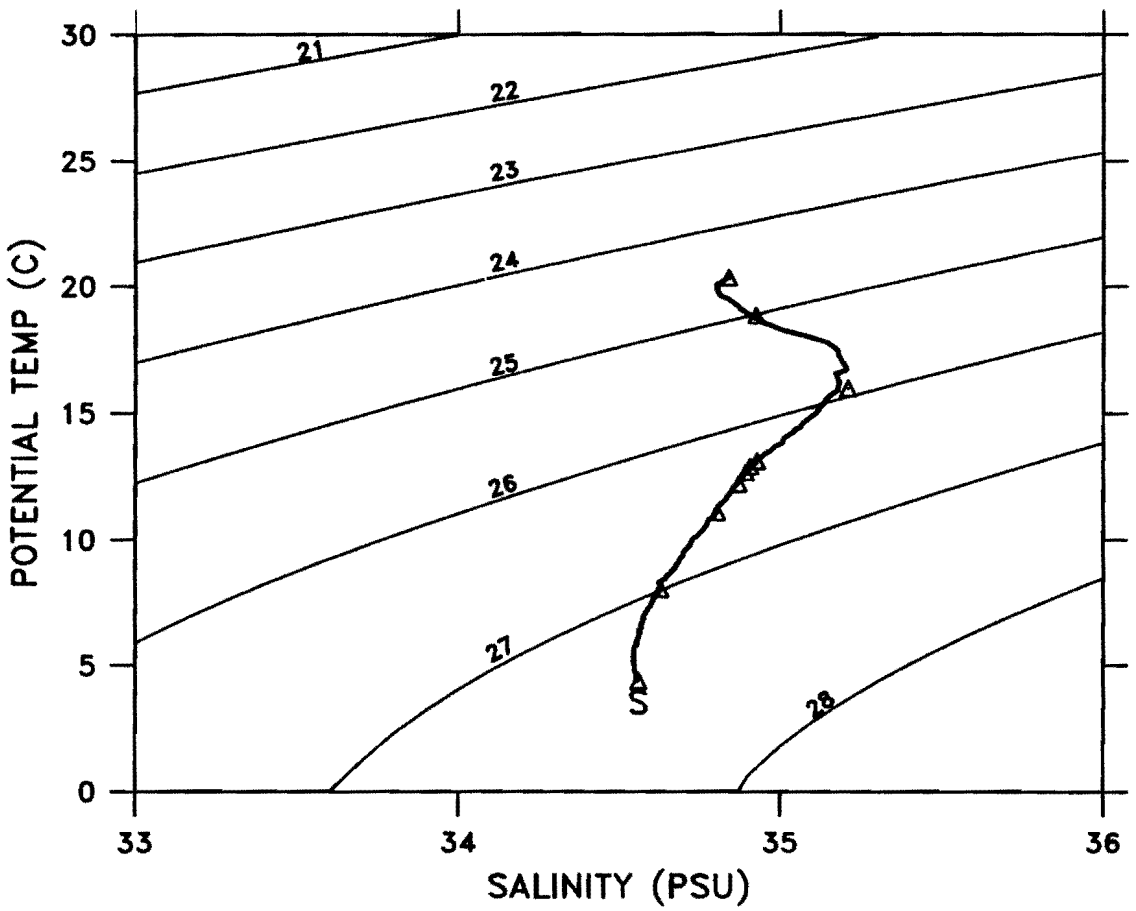


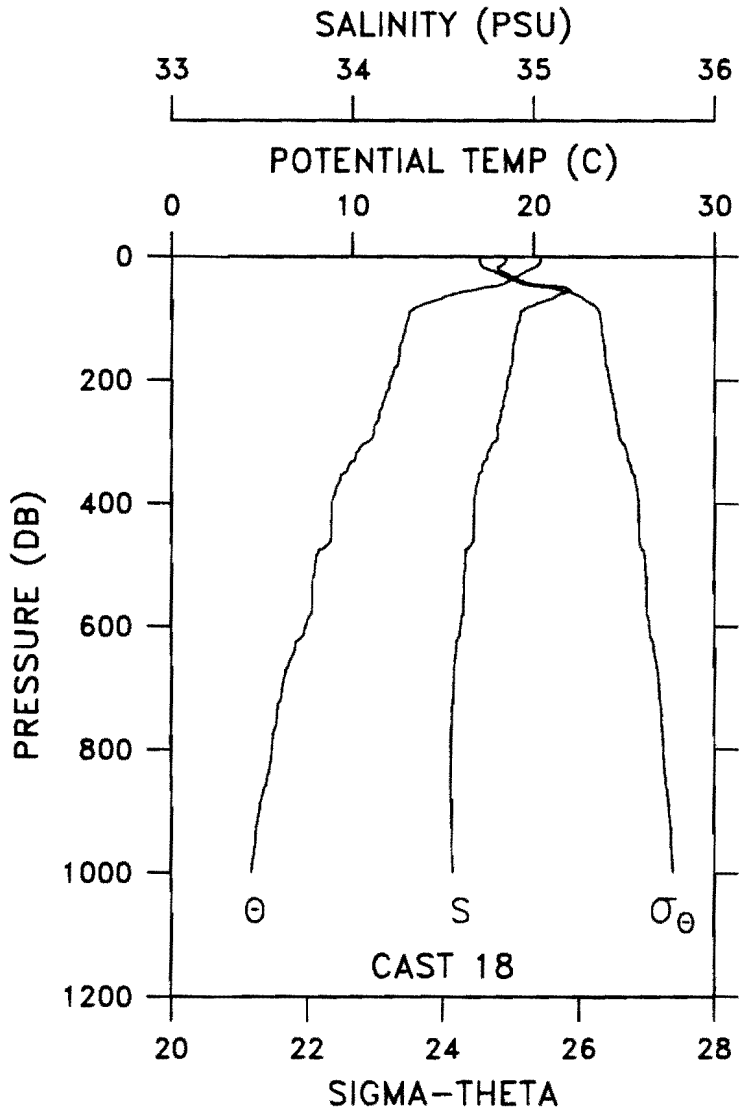
CAST EP4-88-OC -017 DATE 27 OCT 88 TIME 0937 GMT
LAT 01 00.4S LONG 109 59.9W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 140 T SPD 06 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 20.0 WET 19.6 DEPTH 3945 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.239	34.666	24.445	0.000
10	19.877	34.663	24.538	0.035
20	18.751	34.759	24.901	0.067
30	18.154	34.847	25.118	0.096
40	16.892	34.854	25.428	0.124
50	15.950	34.932	25.708	0.147
60	15.022	35.102	26.046	0.168
70	14.185	35.013	26.159	0.187
80	14.015	35.004	26.188	0.206
90	13.784	34.974	26.213	0.224
100	13.514	34.940	26.242	0.242
110	13.358	34.932	26.268	0.260
120	13.260	34.925	26.283	0.278
130	13.173	34.919	26.296	0.296
140	13.065	34.911	26.312	0.313
150	12.970	34.905	26.326	0.330
160	12.885	34.900	26.339	0.348
170	12.663	34.890	26.376	0.365
180	12.623	34.890	26.383	0.382
190	12.601	34.889	26.387	0.398
200	12.551	34.886	26.394	0.415
250	11.464	34.814	26.546	0.496
300	10.959	34.789	26.619	0.571
350	9.681	34.715	26.784	0.641
400	9.330	34.695	26.826	0.707
450	8.614	34.656	26.910	0.771
500	7.742	34.616	27.011	0.829
550	7.620	34.611	27.025	0.885
600	7.418	34.602	27.046	0.941
650	7.178	34.591	27.072	0.996
700	6.336	34.564	27.165	1.048
750	5.715	34.553	27.235	1.096
800	5.481	34.550	27.262	1.142
900	4.778	34.549	27.343	1.229
1000	4.271	34.561	27.408	1.308
1001	4.269	34.561	27.409	1.309

CAST EP4-88-OC -018 DATE 27 OCT 88 TIME 1258 GMT

LAT 01 29.4S LONG 109 58.7W



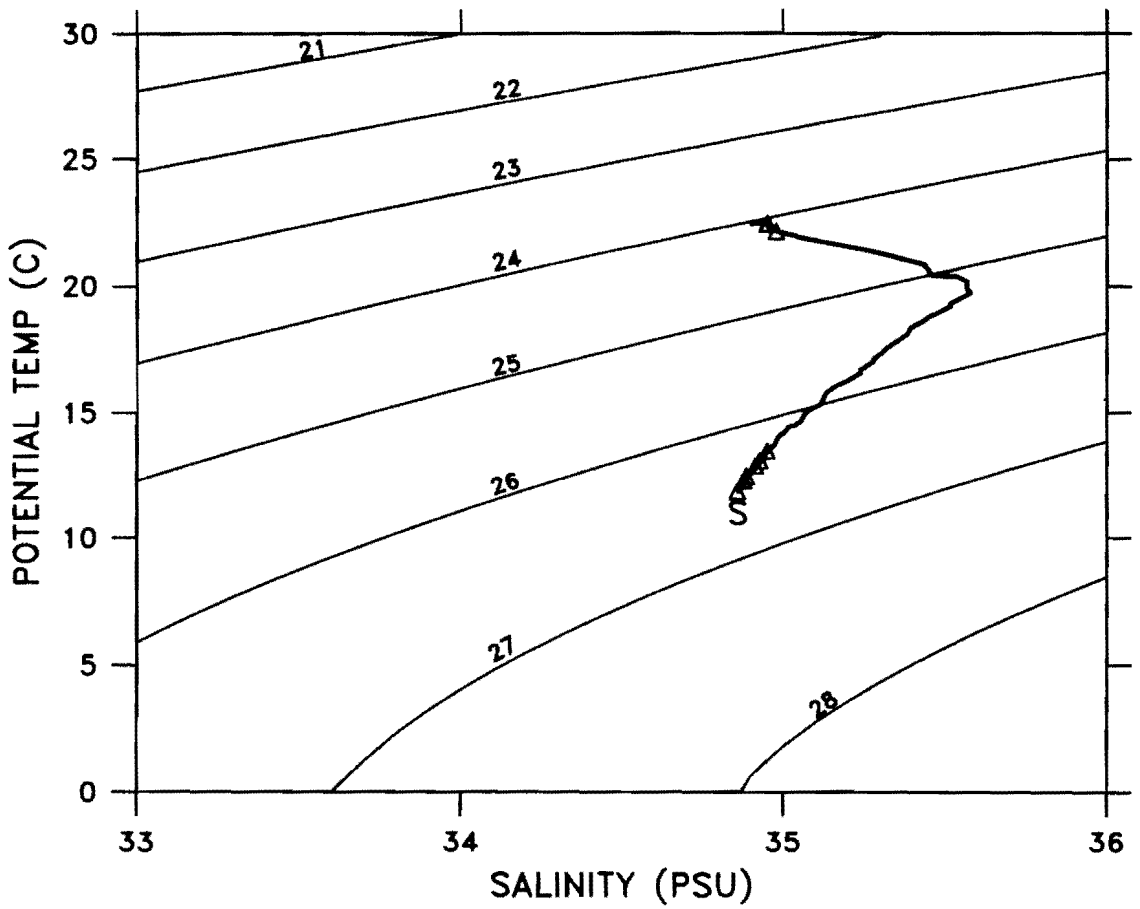


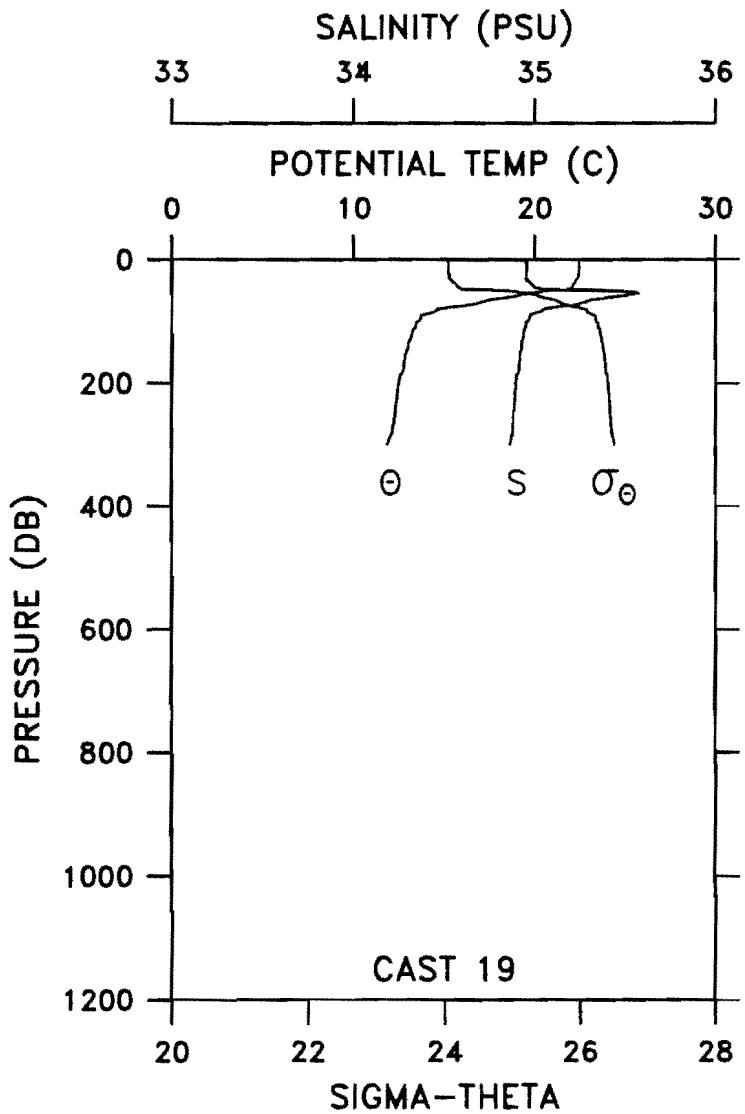
CAST EP4-88-OC -018 DATE 27 OCT 88 TIME 1258 GMT
LAT 01 29.4S LONG 109 58.7W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 130 T SPD 09 KT VISIBILITY 8
CLOUD 7 AMOUNT 3 DRY 20.1 WET 19.6 DEPTH 3846 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.390	34.847	24.543	0.000
10	20.344	34.839	24.549	0.034
20	19.848	34.803	24.652	0.067
30	19.215	34.869	24.867	0.099
40	18.601	34.943	25.080	0.129
50	17.318	35.178	25.576	0.156
60	15.715	35.156	25.934	0.178
70	14.671	35.076	26.103	0.198
80	13.725	34.985	26.234	0.217
90	13.155	34.926	26.305	0.234
100	13.083	34.925	26.319	0.252
110	12.964	34.913	26.334	0.269
120	12.910	34.906	26.339	0.286
130	12.786	34.896	26.356	0.303
140	12.691	34.889	26.370	0.320
150	12.603	34.887	26.385	0.337
160	12.584	34.885	26.387	0.353
170	12.538	34.883	26.395	0.370
180	12.350	34.873	26.424	0.387
190	12.259	34.869	26.439	0.403
200	12.118	34.858	26.457	0.419
250	11.504	34.821	26.544	0.499
300	10.875	34.786	26.632	0.575
350	9.652	34.713	26.787	0.644
400	8.883	34.674	26.882	0.707
450	8.832	34.671	26.888	0.769
500	7.940	34.624	26.988	0.829
550	7.786	34.617	27.005	0.887
600	7.422	34.599	27.044	0.944
650	6.643	34.571	27.129	0.997
700	6.128	34.561	27.189	1.047
750	5.813	34.554	27.224	1.095
800	5.530	34.545	27.252	1.141
900	4.843	34.548	27.335	1.229
1000	4.400	34.555	27.390	1.310
1002	4.384	34.556	27.392	1.311

CAST EP4-88-OC -019 DATE 29 OCT 88 TIME 0331 GMT

LAT 04 58.5S LONG 109 59.6W



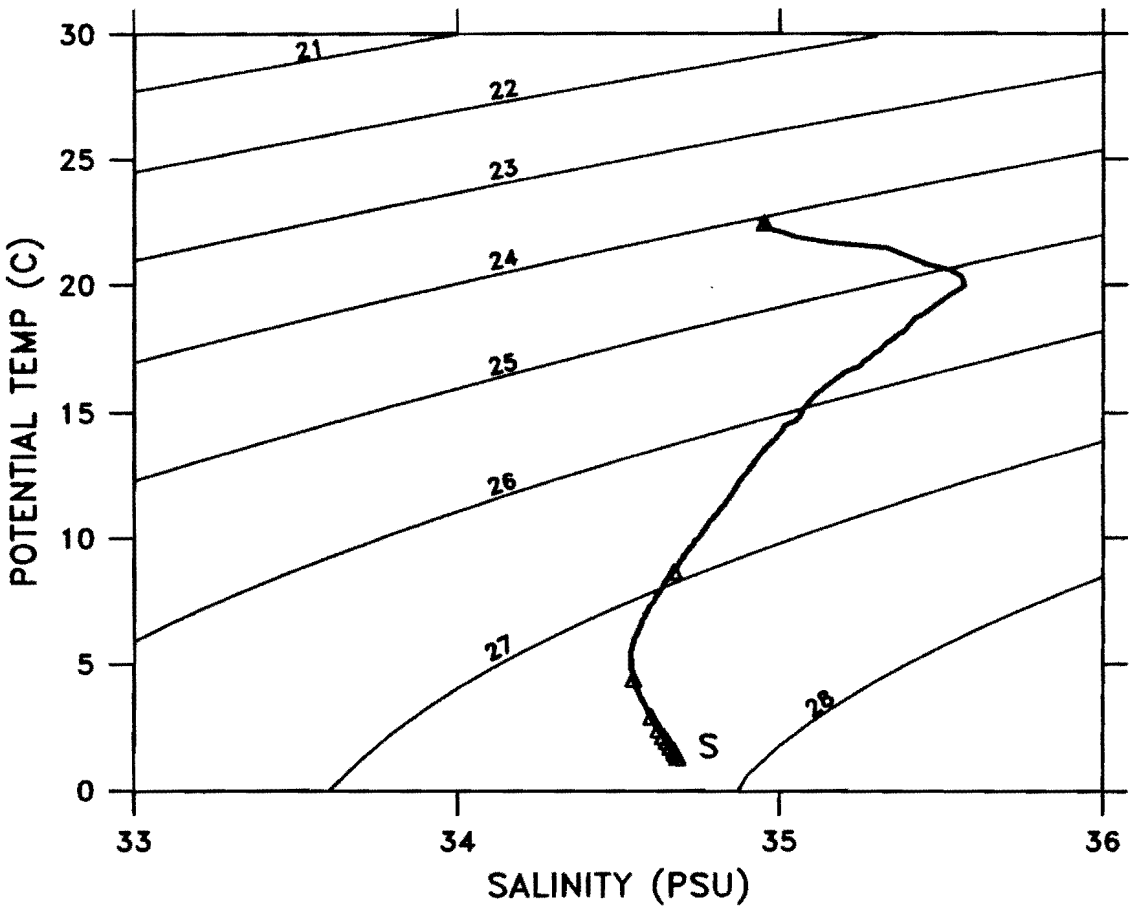


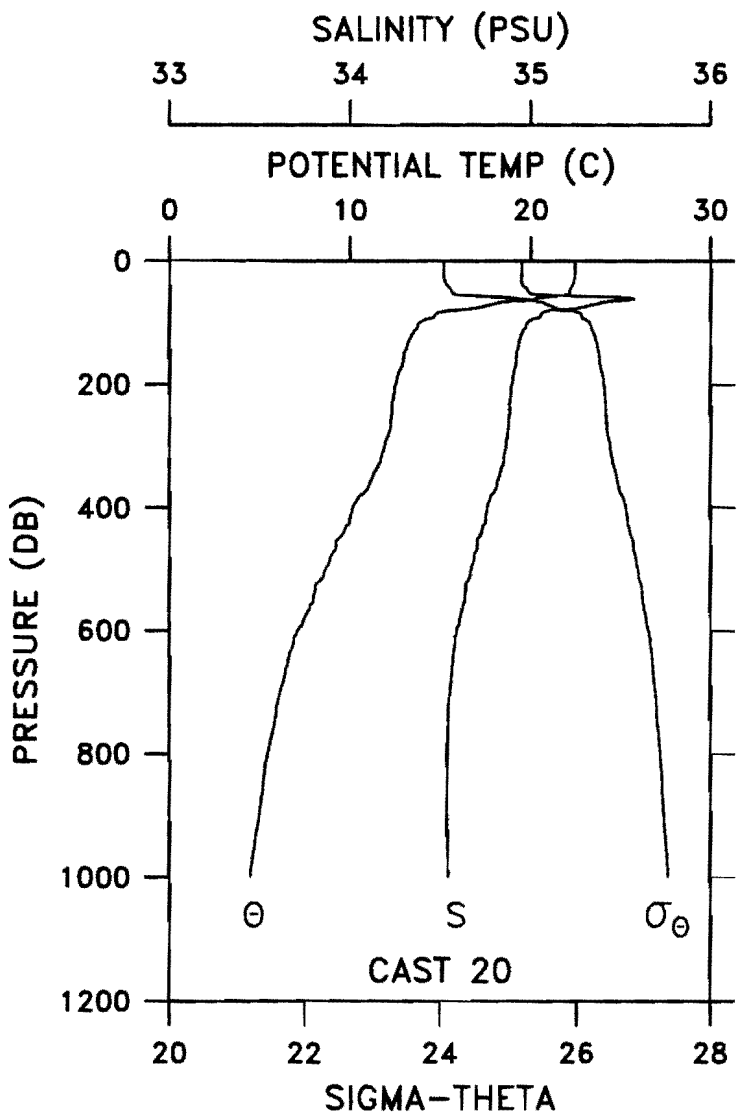
CAST EP4-88-OC -019 DATE 29 OCT 88 TIME 0331 GMT
LAT 04 58.5S LONG 109 59.6W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 140 T SPD 14 KT VISIBILITY 8
CLOUD X AMOUNT 4 DRY 22.2 WET 21.1 DEPTH 3415 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.447	34.902	24.019	0.000
10	22.462	34.955	24.055	0.039
20	22.462	34.955	24.055	0.077
30	22.388	34.952	24.074	0.116
40	22.137	34.985	24.169	0.154
50	20.841	35.436	24.871	0.190
60	18.800	35.451	25.418	0.218
70	16.864	35.258	25.746	0.242
80	14.642	35.053	26.092	0.263
90	13.746	34.976	26.222	0.282
100	13.589	34.961	26.243	0.300
110	13.398	34.947	26.271	0.318
120	13.226	34.940	26.301	0.335
130	13.141	34.935	26.315	0.353
140	13.006	34.927	26.336	0.370
150	12.915	34.922	26.350	0.387
160	12.838	34.919	26.363	0.404
170	12.755	34.914	26.376	0.421
180	12.728	34.912	26.379	0.438
190	12.550	34.899	26.405	0.455
200	12.479	34.892	26.413	0.471
250	12.291	34.883	26.443	0.554
300	11.841	34.862	26.513	0.635
300	11.841	34.862	26.513	0.635

CAST EP4-88-OC -020 DATE 29 OCT 88 TIME 0603 GMT

LAT 05 00.6S LONG 109 57.6W



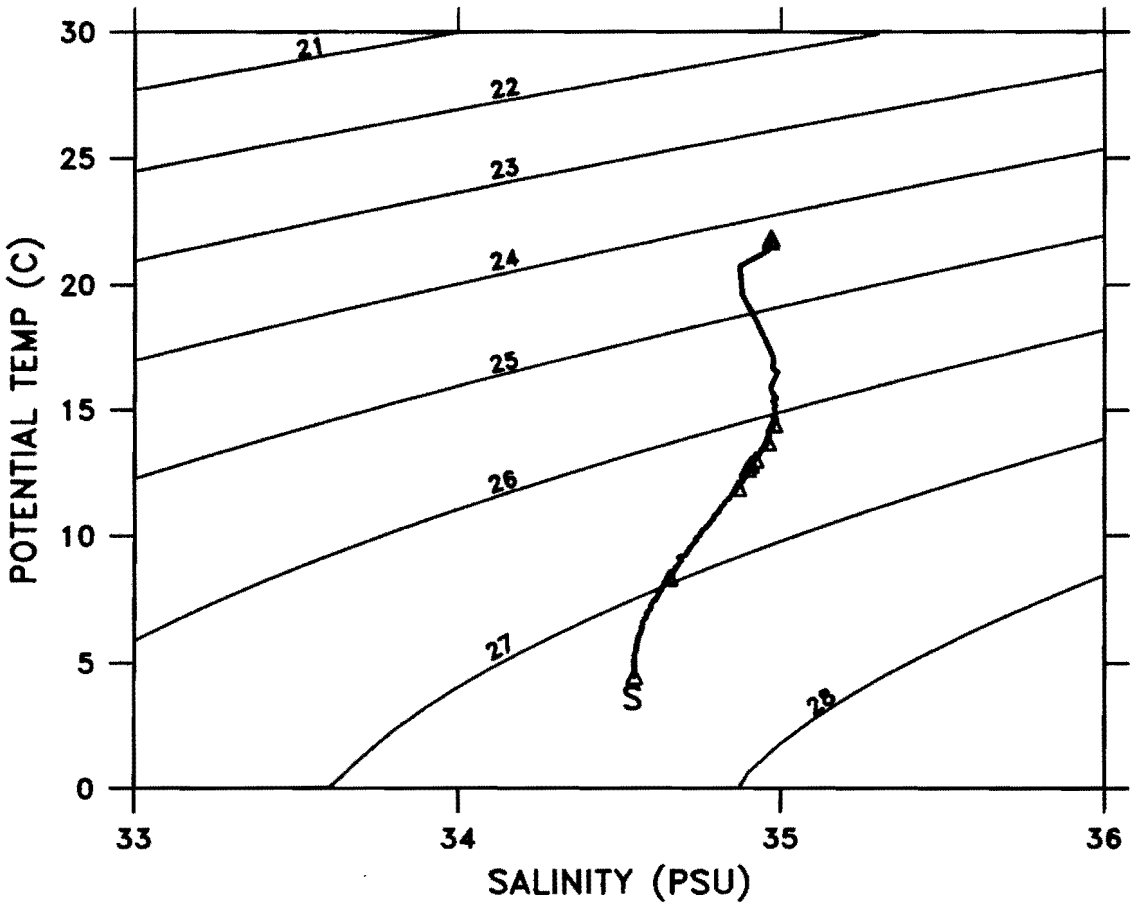


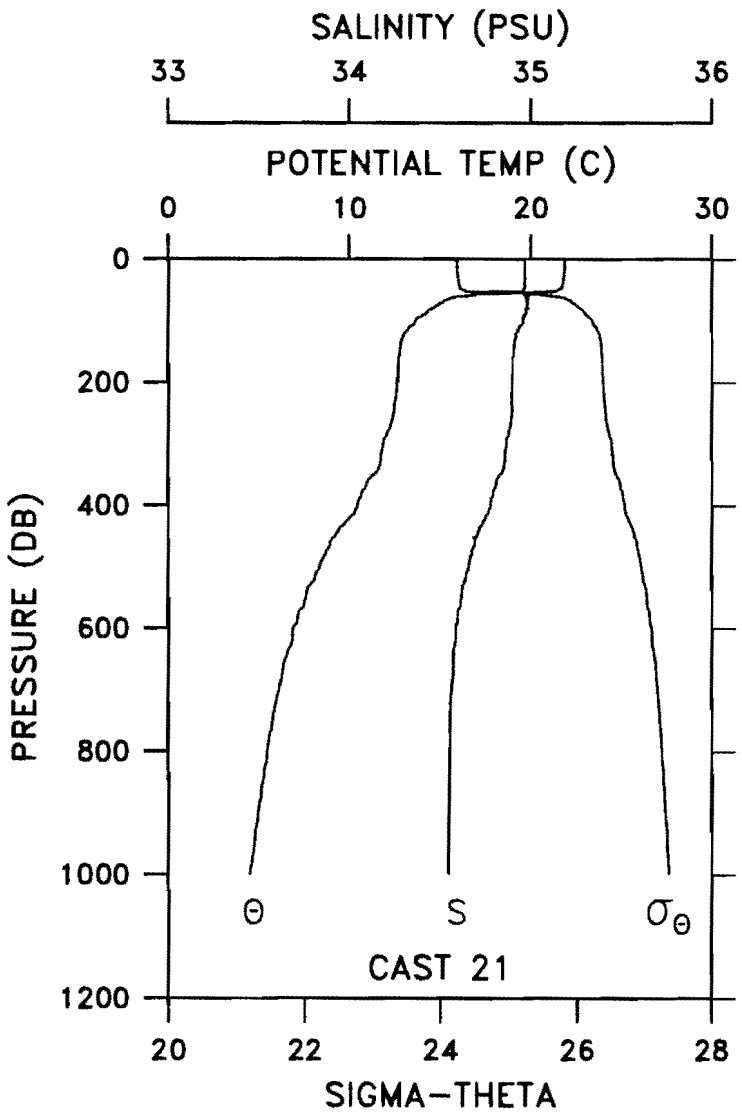
CAST EP4-88-OC -020 DATE 29 OCT 88 TIME 0603 GMT
LAT 05 00.6S LONG 109 57.6W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 133 T SPD 12 KT VISIBILITY 7
CLOUD X AMOUNT 7 DRY 21.9 WET 20.6 DEPTH 3391 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.439	34.949	24.057	0.000
10	22.444	34.949	24.055	0.038
20	22.437	34.948	24.057	0.077
30	22.403	34.946	24.065	0.116
40	22.274	34.959	24.111	0.154
50	22.137	34.988	24.172	0.192
60	20.316	35.563	25.109	0.226
70	17.928	35.356	25.563	0.253
80	15.724	35.111	25.897	0.276
90	14.662	35.049	26.084	0.296
100	13.876	34.978	26.197	0.315
110	13.683	34.964	26.226	0.333
120	13.395	34.944	26.270	0.351
130	13.247	34.935	26.293	0.368
140	13.143	34.930	26.311	0.386
150	12.996	34.921	26.333	0.403
160	12.947	34.919	26.341	0.420
170	12.886	34.915	26.350	0.438
180	12.720	34.905	26.376	0.455
190	12.586	34.899	26.397	0.471
200	12.521	34.894	26.407	0.488
250	12.298	34.879	26.438	0.571
300	11.910	34.861	26.499	0.653
350	11.245	34.822	26.593	0.731
400	10.151	34.759	26.738	0.804
450	9.388	34.711	26.829	0.872
500	8.661	34.672	26.915	0.936
550	7.974	34.635	26.991	0.995
600	7.088	34.591	27.084	1.051
650	6.552	34.571	27.142	1.103
700	6.120	34.555	27.186	1.153
750	5.824	34.548	27.218	1.201
800	5.430	34.539	27.259	1.247
900	4.977	34.540	27.313	1.336
1000	4.463	34.545	27.375	1.418
1500	2.895	34.603	27.578	1.764
2000	2.155	34.640	27.671	2.044
2500	1.744	34.663	27.721	2.296
3000	1.489	34.677	27.752	2.530
3247	1.341	34.684	27.768	2.640

CAST EP4-88-OC -021 DATE 29 OCT 88 TIME 1206 GMT

LAT 04 00.2S LONG 110 04.4W



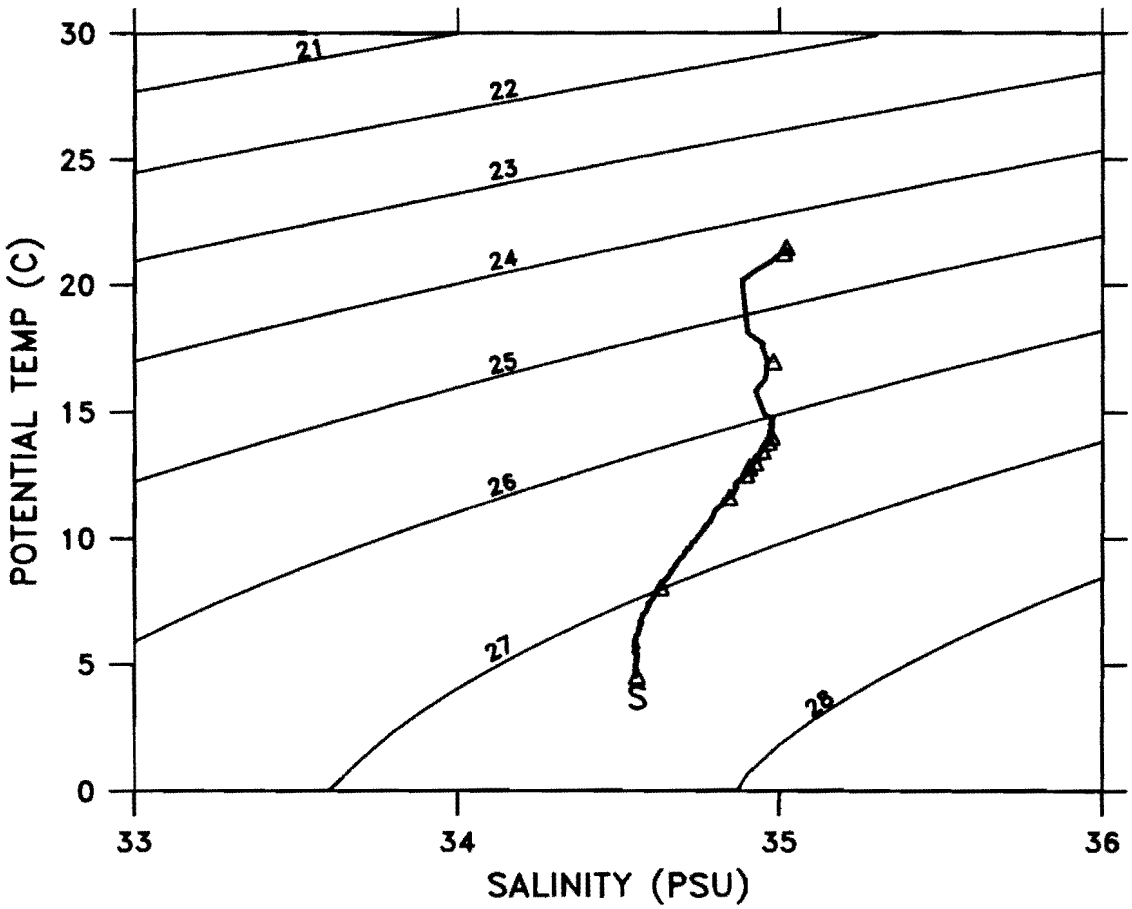


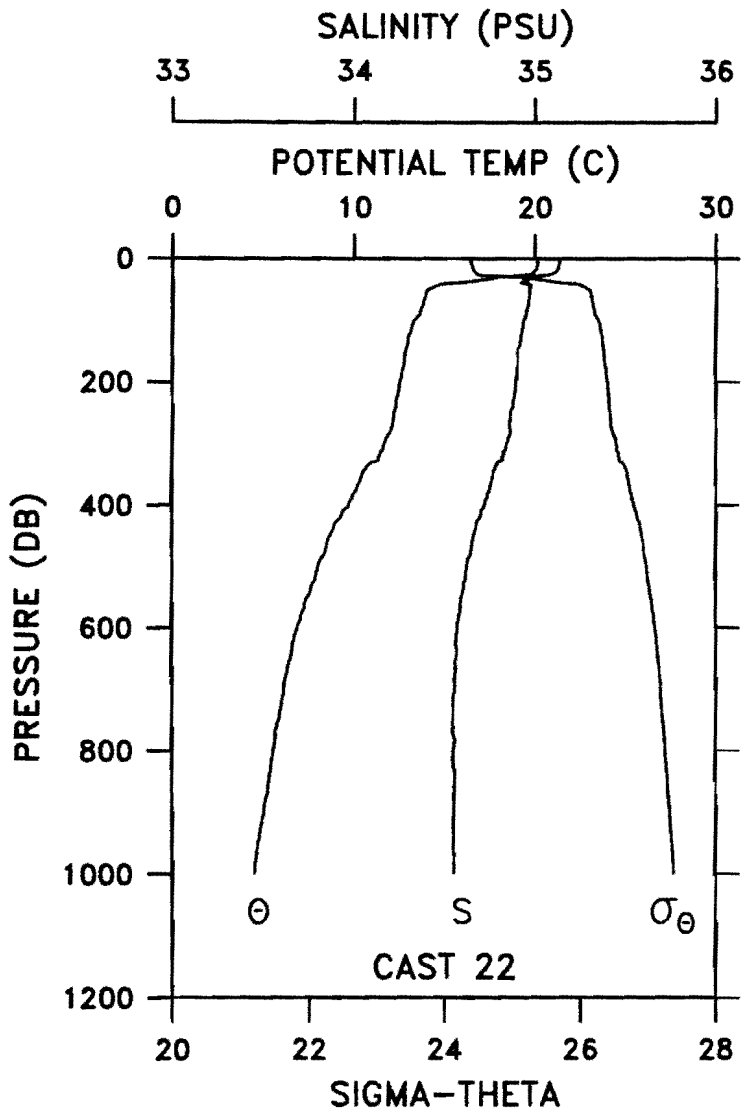
CAST EP4-88-OC -021 DATE 29 OCT 88 TIME 1206 GMT
LAT 04 00.2S LONG 110 04.4W WEATHER 2 SEA STATE 3
BAROMETER 13 WIND DIR 090 T SPD 07 KT VISIBILITY 8
CLOUD 5 AMOUNT 7 DRY 21.9 WET 20.9 DEPTH 3633 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.821	34.966	24.243	0.000
10	21.822	34.967	24.244	0.037
20	21.814	34.966	24.246	0.073
30	21.767	34.967	24.259	0.110
40	21.727	34.963	24.267	0.147
50	21.461	34.964	24.342	0.183
60	16.510	34.990	25.623	0.213
70	15.163	34.984	25.924	0.235
80	14.619	34.987	26.046	0.255
90	14.192	34.962	26.118	0.274
100	13.675	34.957	26.223	0.293
110	13.323	34.939	26.281	0.311
120	13.082	34.921	26.316	0.328
130	12.926	34.913	26.341	0.346
140	12.845	34.909	26.354	0.363
150	12.805	34.908	26.361	0.380
160	12.739	34.903	26.370	0.396
170	12.730	34.903	26.372	0.413
180	12.712	34.901	26.374	0.430
190	12.687	34.900	26.378	0.447
200	12.651	34.898	26.384	0.464
250	12.463	34.897	26.420	0.548
300	11.884	34.866	26.508	0.630
350	11.361	34.829	26.577	0.709
400	10.447	34.778	26.702	0.782
450	9.223	34.704	26.851	0.850
500	8.335	34.656	26.953	0.912
550	7.573	34.617	27.036	0.969
600	6.869	34.584	27.109	1.023
650	6.426	34.568	27.156	1.075
700	6.075	34.562	27.197	1.124
750	5.718	34.553	27.235	1.171
800	5.419	34.550	27.269	1.217
900	4.920	34.546	27.325	1.304
1000	4.465	34.545	27.375	1.387
1001	4.463	34.545	27.375	1.388

CAST EP4-88-OC -022 DATE 29 OCT 88 TIME 1738 GMT

LAT 02 59.9S LONG 110 00.2W



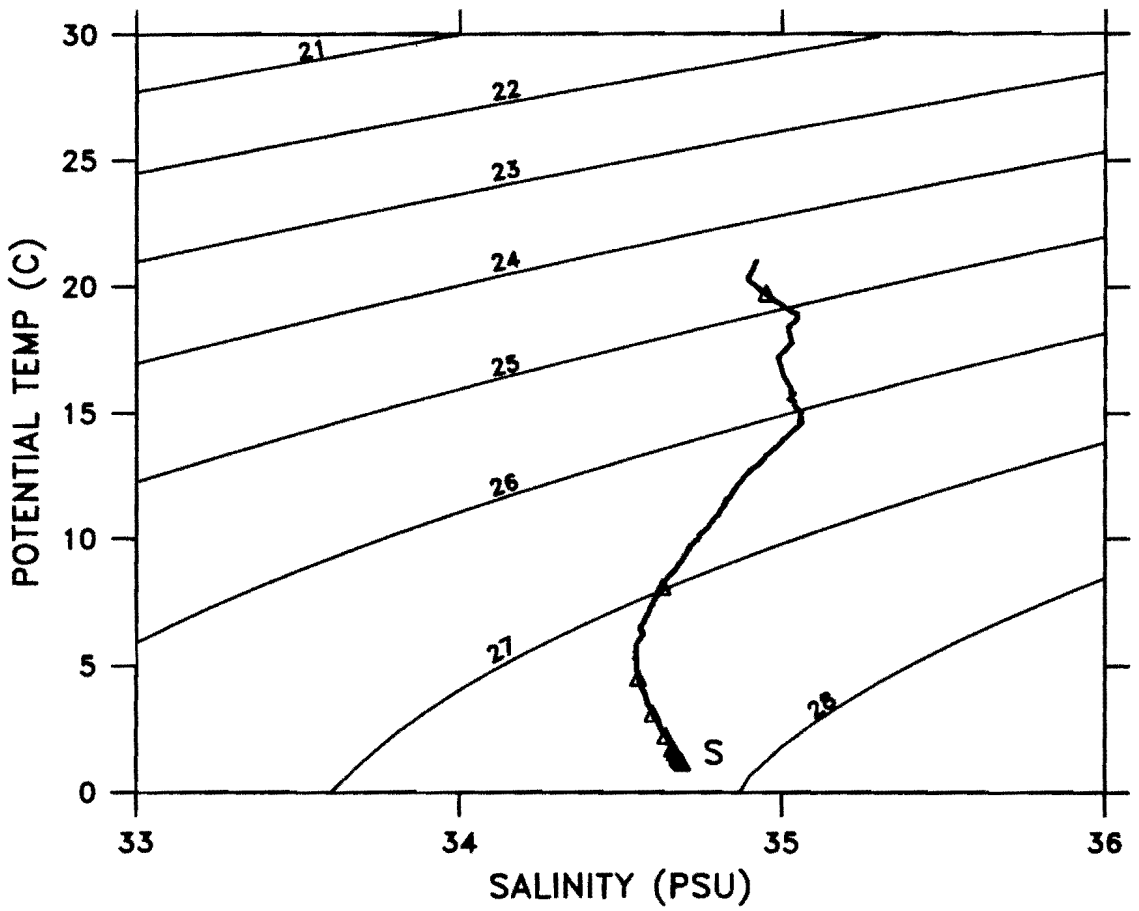


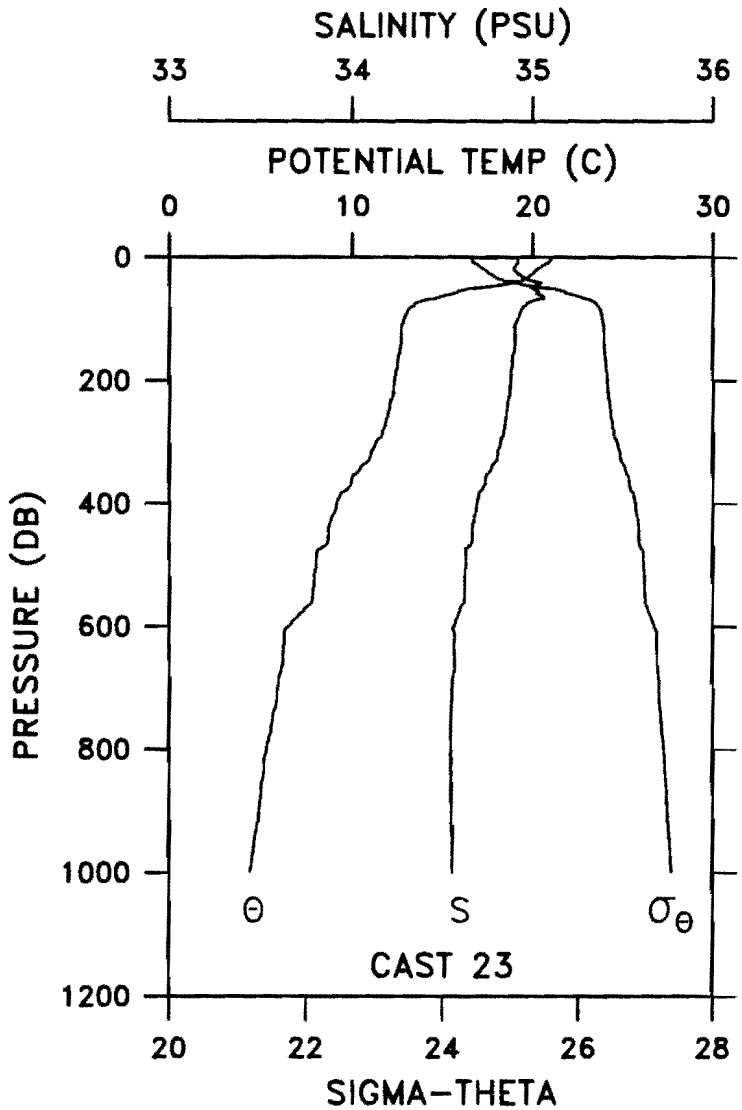
CAST EP4-88-OC -022 DATE 29 OCT 88 TIME 1738 GMT
LAT 02 59.9S LONG 110 00.2W WEATHER 2 SEA STATE 4
BAROMETER 14 WIND DIR 125 T SPD 12 KT VISIBILITY 8
CLOUD 6 AMOUNT 7 DRY 22.3 WET 20.1 DEPTH 3773 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.418	35.015	24.392	0.000
10	21.338	35.014	24.414	0.035
20	21.200	35.001	24.442	0.070
30	18.084	34.901	25.177	0.104
40	15.348	34.940	25.849	0.129
50	14.127	34.972	26.140	0.148
60	13.991	34.971	26.167	0.167
70	13.866	34.964	26.188	0.186
80	13.759	34.957	26.205	0.204
90	13.664	34.954	26.222	0.222
100	13.343	34.937	26.275	0.240
110	13.223	34.935	26.298	0.258
120	13.135	34.928	26.311	0.275
130	13.018	34.922	26.329	0.292
140	12.963	34.917	26.337	0.309
150	12.857	34.906	26.350	0.327
160	12.821	34.908	26.358	0.344
170	12.785	34.908	26.365	0.361
180	12.687	34.902	26.380	0.378
190	12.648	34.900	26.386	0.394
200	12.536	34.894	26.404	0.411
250	12.224	34.865	26.442	0.494
300	11.682	34.846	26.531	0.575
350	10.456	34.772	26.696	0.650
400	9.707	34.726	26.788	0.720
450	8.684	34.664	26.905	0.783
500	8.015	34.626	26.978	0.843
550	7.435	34.596	27.040	0.900
600	6.874	34.576	27.102	0.954
650	6.507	34.569	27.146	1.005
700	6.158	34.561	27.186	1.055
750	5.874	34.555	27.217	1.103
800	5.569	34.552	27.252	1.149
900	5.062	34.557	27.317	1.238
1000	4.556	34.555	27.373	1.321
1004	4.546	34.555	27.374	1.324

CAST EP4-88-OC -023 DATE 30 OCT 88 TIME 0010 GMT

LAT 02 01.6S LONG 110 00.2W



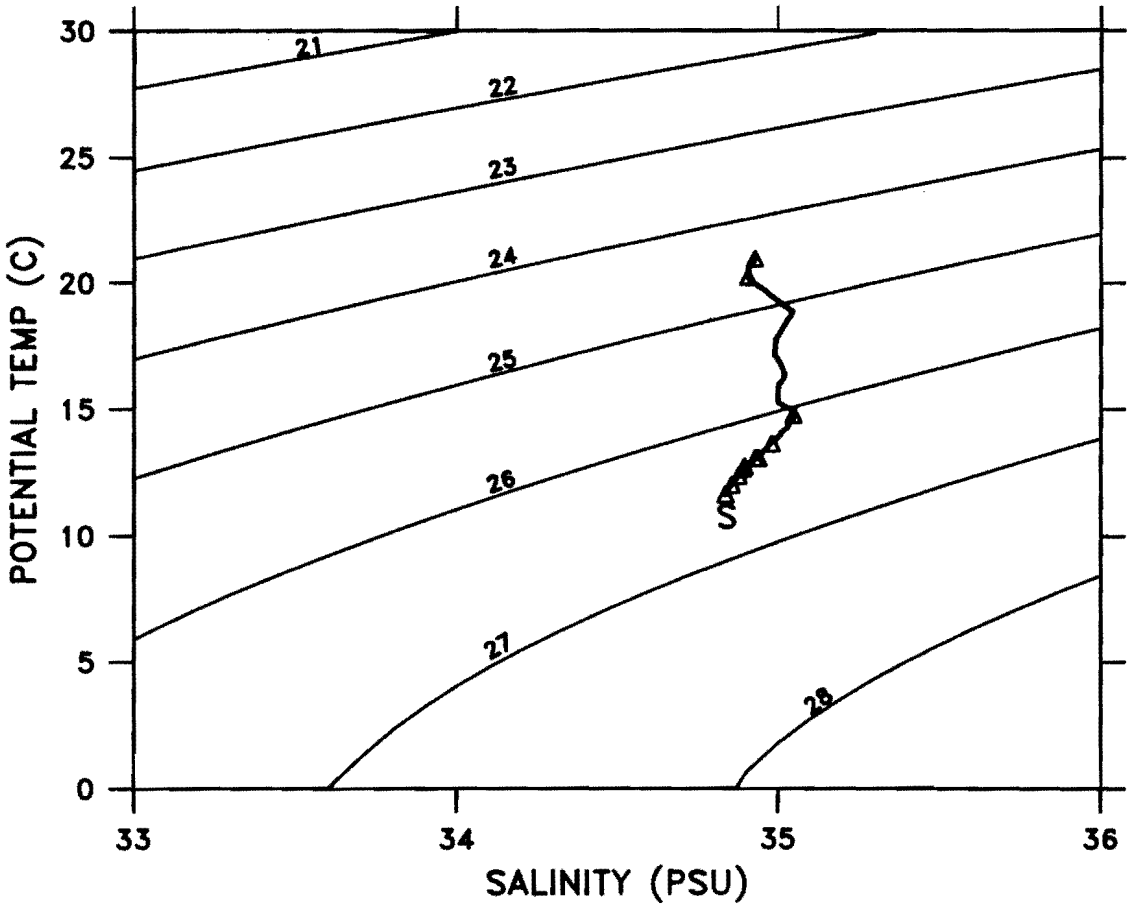


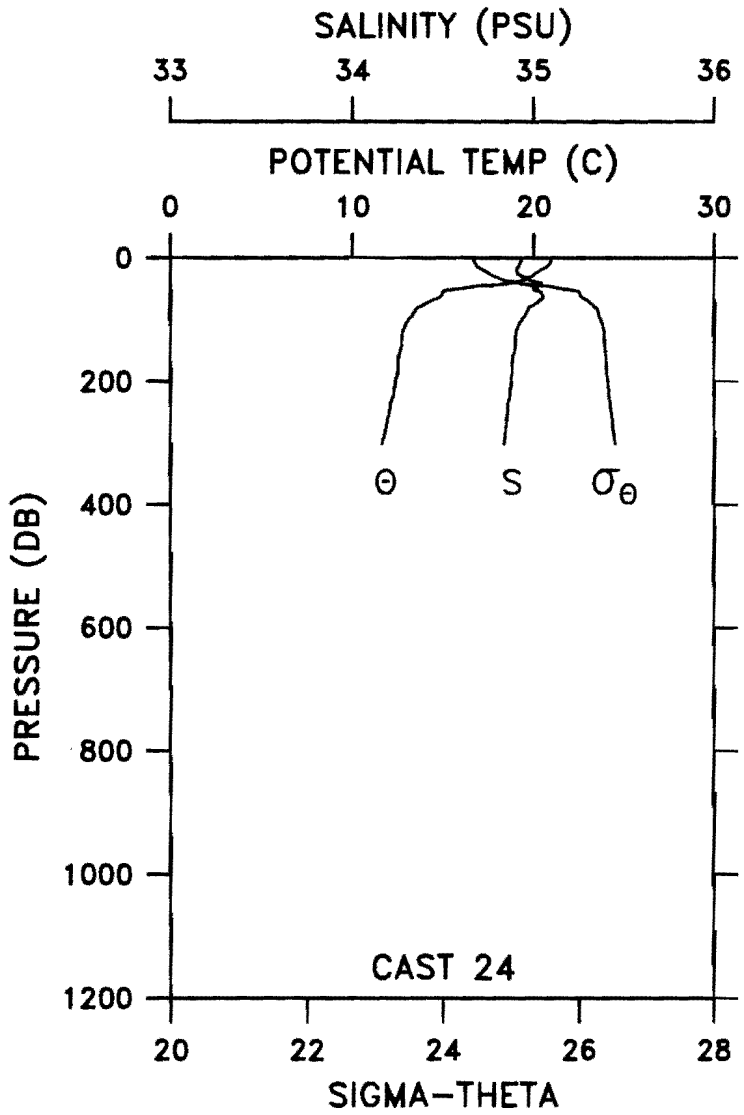
CAST EP4-88-OC -023 DATE 30 OCT 88 TIME 0010 GMT
LAT 02 01.6S LONG 110 00.2W WEATHER 1 SEA STATE 3
BAROMETER 10 WIND DIR 120 T SPD 08 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 21.5 WET 19.9 DEPTH 3898 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.988	34.922	24.439	0.000
10	20.783	34.913	24.488	0.035
20	20.225	34.899	24.626	0.069
30	19.840	34.938	24.758	0.101
40	19.020	35.030	25.040	0.132
50	16.965	34.993	25.519	0.159
60	15.474	35.038	25.897	0.182
70	13.970	35.005	26.198	0.201
80	13.304	34.949	26.293	0.219
90	13.024	34.933	26.337	0.236
100	12.874	34.918	26.355	0.253
110	12.714	34.898	26.372	0.270
120	12.691	34.902	26.379	0.287
130	12.690	34.902	26.380	0.303
140	12.686	34.903	26.381	0.320
150	12.637	34.899	26.388	0.337
160	12.531	34.887	26.399	0.354
170	12.498	34.886	26.404	0.370
180	12.478	34.883	26.407	0.387
190	12.382	34.879	26.422	0.403
200	12.337	34.878	26.430	0.420
250	12.002	34.857	26.478	0.501
300	11.304	34.823	26.583	0.580
350	10.289	34.760	26.715	0.654
400	9.187	34.693	26.848	0.721
450	8.716	34.668	26.903	0.783
500	8.073	34.633	26.975	0.843
550	7.886	34.625	26.996	0.901
600	6.566	34.564	27.135	0.956
650	6.262	34.569	27.179	1.005
700	5.968	34.555	27.206	1.053
750	5.686	34.551	27.237	1.100
800	5.343	34.550	27.278	1.146
900	4.921	34.552	27.329	1.232
1000	4.430	34.559	27.389	1.314
1500	3.000	34.607	27.571	1.662
2000	2.243	34.641	27.664	1.946
2500	1.746	34.661	27.720	2.198
3000	1.407	34.677	27.757	2.430
3500	1.244	34.687	27.778	2.652
3799	1.161	34.693	27.788	2.782

CAST EP4-88-OC -024 DATE 30 OCT 88 TIME 0306 GMT

LAT 02 02.7S LONG 109 58.6W



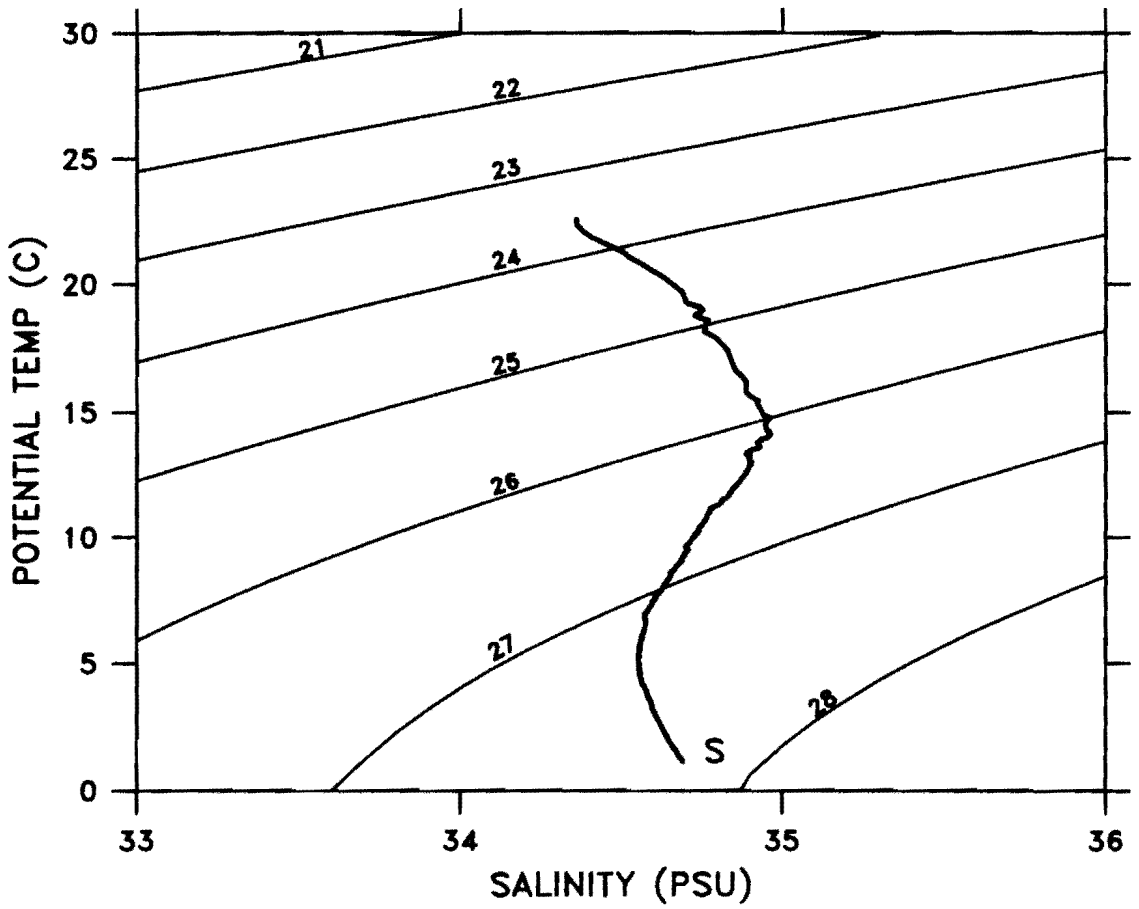


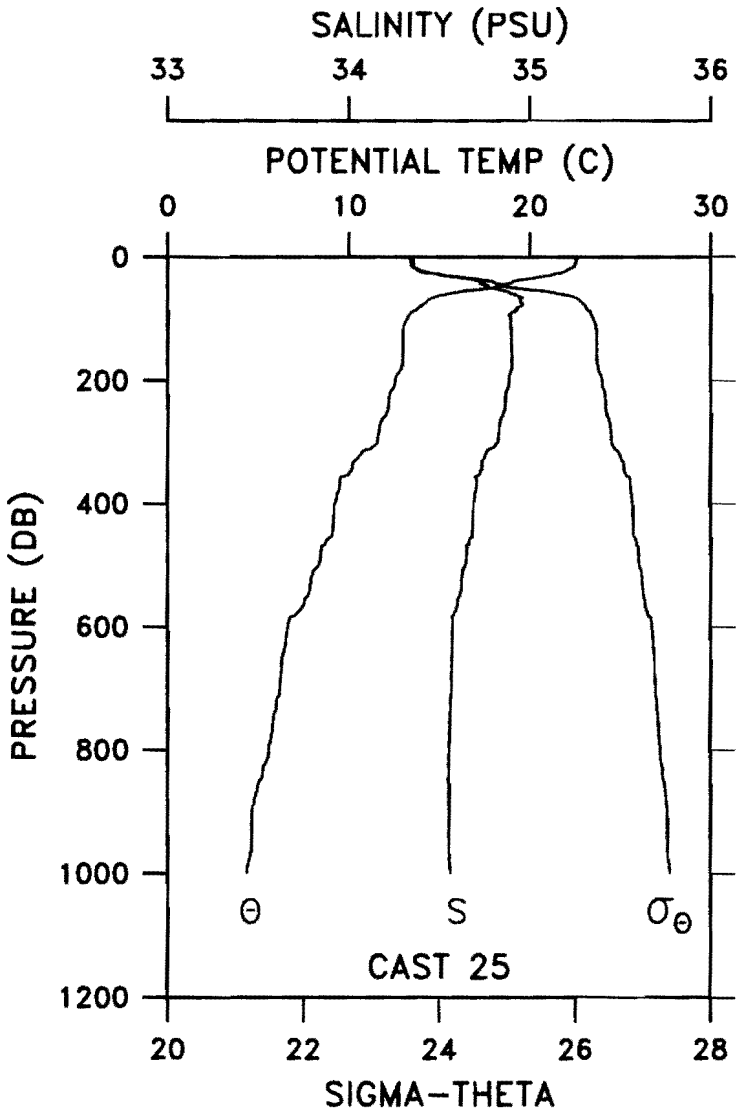
CAST EP4-88-OC -024 DATE 30 OCT 88 TIME 0306 GMT
LAT 02 02.7S LONG 109 58.6W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 110 T SPD 08 KT VISIBILITY 8
CLOUD X AMOUNT 4 DRY 21.5 WET 20.2 DEPTH 3943 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.972	34.932	24.451	0.000
10	20.856	34.923	24.475	0.035
20	20.341	34.905	24.600	0.069
30	19.889	34.933	24.741	0.101
40	18.864	35.044	25.091	0.132
50	15.954	35.001	25.759	0.158
60	14.937	35.047	26.023	0.178
70	14.298	35.029	26.148	0.198
80	13.626	34.976	26.247	0.216
90	13.370	34.956	26.285	0.234
100	13.089	34.935	26.325	0.251
110	12.882	34.915	26.351	0.268
120	12.748	34.900	26.366	0.285
130	12.707	34.900	26.374	0.302
140	12.691	34.899	26.377	0.319
150	12.638	34.895	26.384	0.335
160	12.521	34.883	26.398	0.352
170	12.495	34.881	26.401	0.369
180	12.479	34.880	26.404	0.385
190	12.463	34.879	26.406	0.402
200	12.368	34.875	26.422	0.418
250	12.017	34.854	26.473	0.500
300	11.644	34.836	26.530	0.580
302	11.626	34.835	26.532	0.583

CAST EP4-88-OC -025 DATE 31 OCT 88 TIME 0218 GMT

LAT 00 59.1N LONG 113 01.2W



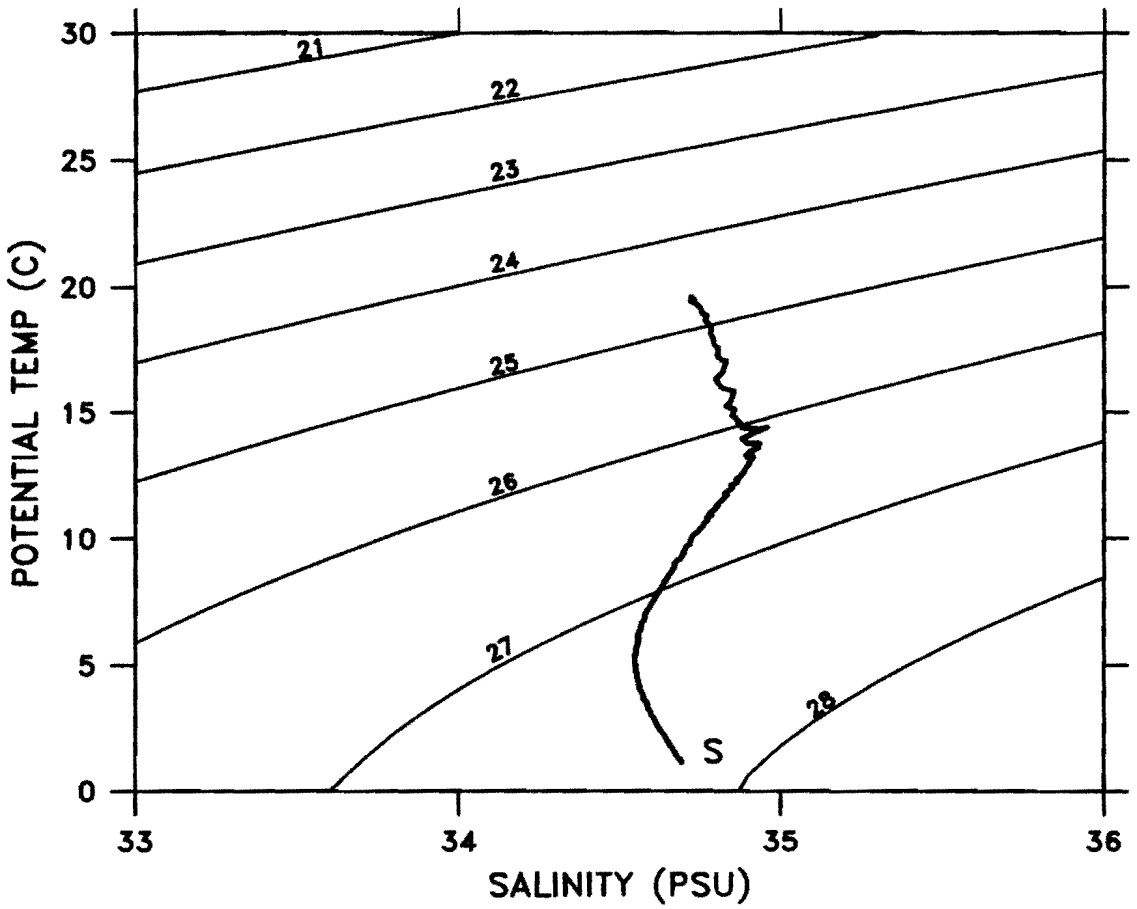


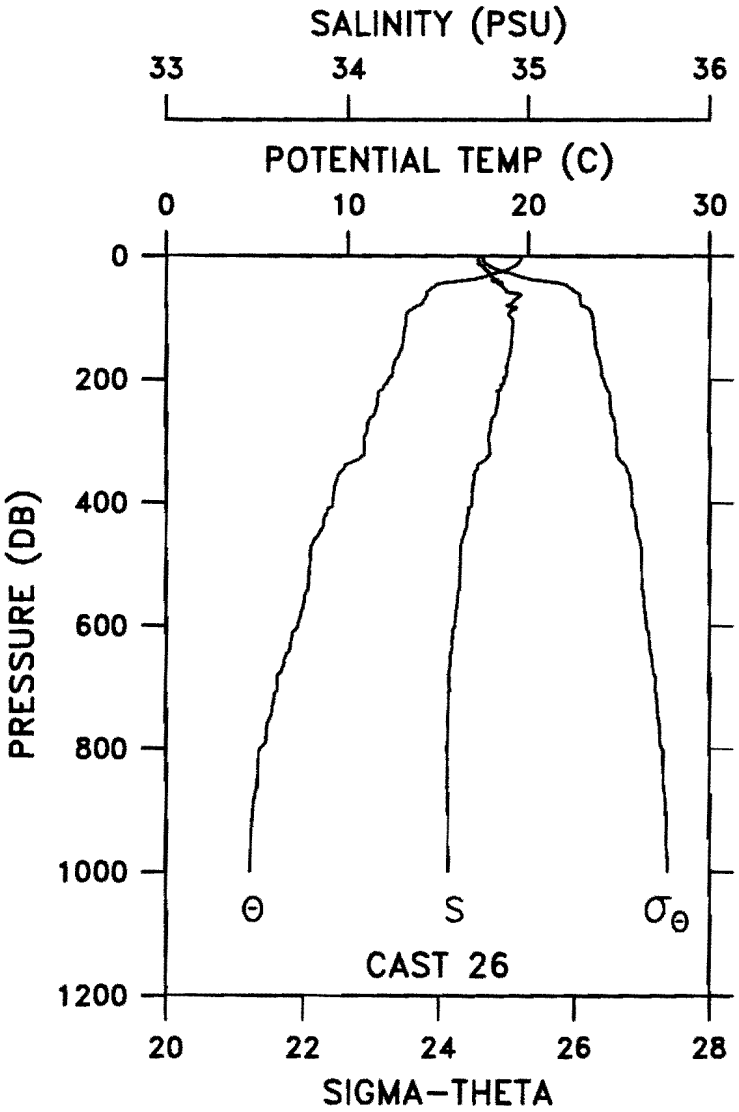
CAST EP4-88-OC -025 DATE 31 OCT 88 TIME 0218 GMT
LAT 00 59.1N LONG 113 01.2W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 120 T SPD 10 KT VISIBILITY 8
CLOUD 6 AMOUNT 6 DRY 21.5 WET 18.9 DEPTH 3910 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.552	34.360	23.578	0.000
10	22.503	34.362	23.593	0.043
20	22.112	34.378	23.716	0.086
30	21.066	34.522	24.113	0.126
40	19.105	34.744	24.800	0.160
50	17.913	34.793	25.136	0.191
60	15.450	34.924	25.815	0.215
70	14.382	34.949	26.067	0.236
80	13.972	34.945	26.151	0.255
90	13.479	34.902	26.221	0.273
100	13.263	34.894	26.258	0.291
110	13.074	34.897	26.299	0.309
120	13.025	34.901	26.312	0.326
130	13.019	34.902	26.314	0.344
140	13.016	34.900	26.313	0.361
150	13.015	34.903	26.315	0.378
160	13.008	34.904	26.317	0.396
170	12.980	34.904	26.323	0.413
180	12.921	34.903	26.334	0.431
190	12.707	34.893	26.369	0.448
200	12.576	34.889	26.392	0.465
250	12.154	34.861	26.453	0.547
300	11.575	34.826	26.535	0.627
350	10.033	34.729	26.735	0.699
400	9.212	34.692	26.843	0.765
450	9.084	34.685	26.858	0.829
500	8.334	34.646	26.946	0.890
550	7.738	34.614	27.010	0.948
600	6.636	34.576	27.135	1.001
650	6.332	34.572	27.172	1.052
700	6.213	34.570	27.186	1.100
750	5.848	34.561	27.225	1.148
800	5.584	34.558	27.256	1.195
900	4.668	34.557	27.362	1.281
1000	4.376	34.562	27.398	1.361
1500	2.935	34.607	27.578	1.706
2000	2.142	34.643	27.674	1.981
2500	1.650	34.667	27.732	2.226
3000	1.464	34.675	27.752	2.456
3500	1.244	34.688	27.778	2.681
3784	1.161	34.691	27.786	2.805

CAST EP4-88-OC -026 DATE 31 OCT 88 TIME 1354 GMT

LAT 00 00.1S LONG 114 58.6W



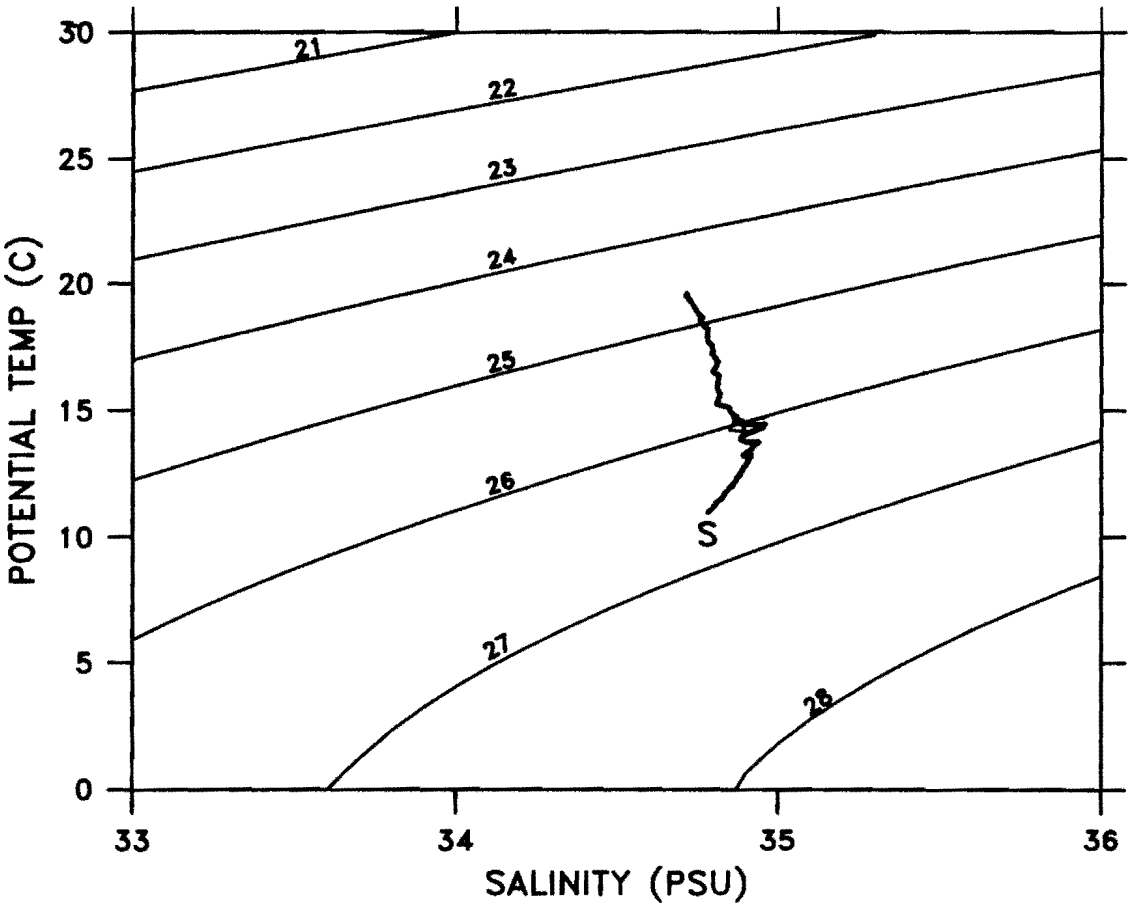


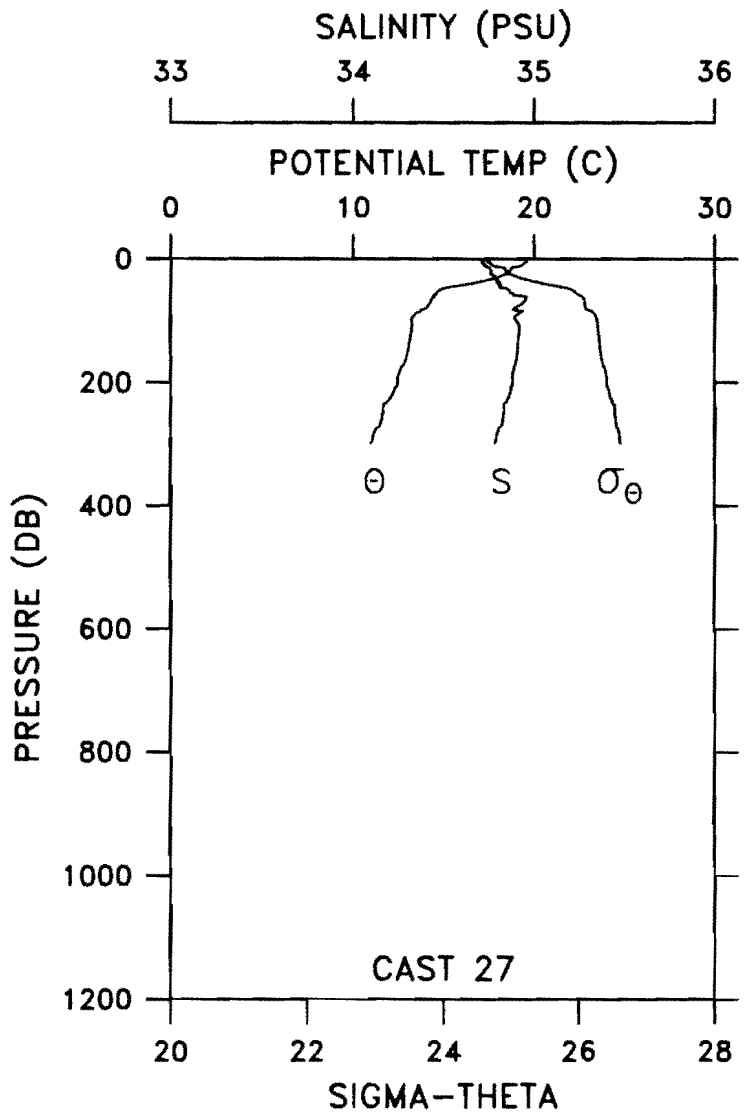
CAST EP4-88-OC -026 DATE 31 OCT 88 TIME 1354 GMT
LAT 00 00.1S LONG 114 58.6W WEATHER 0 SEA STATE 3
BAROMETER 13 WIND DIR 130 T SPD 12 KT VISIBILITY 8
CLOUD 0 AMOUNT 1 DRY 20.2 WET 19.5 DEPTH 4019 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	19.580	34.723	24.661	0.000
10	19.481	34.731	24.693	0.033
20	18.999	34.752	24.833	0.065
30	17.941	34.789	25.126	0.094
40	16.296	34.797	25.525	0.121
50	14.763	34.862	25.918	0.143
60	14.338	34.938	26.068	0.164
70	14.220	34.927	26.085	0.183
80	13.943	34.879	26.106	0.202
90	13.343	34.900	26.246	0.221
100	13.241	34.907	26.272	0.238
110	13.223	34.915	26.282	0.256
120	13.149	34.911	26.295	0.274
130	13.108	34.908	26.301	0.291
140	13.060	34.907	26.309	0.309
150	12.984	34.901	26.320	0.326
160	12.837	34.897	26.347	0.343
170	12.626	34.886	26.380	0.360
180	12.520	34.876	26.393	0.377
190	12.483	34.880	26.403	0.394
200	12.284	34.869	26.433	0.410
250	11.540	34.822	26.539	0.489
300	10.919	34.781	26.620	0.565
350	9.606	34.703	26.787	0.636
400	9.160	34.686	26.847	0.701
450	8.389	34.646	26.937	0.763
500	7.894	34.622	26.993	0.820
550	7.611	34.608	27.023	0.878
600	7.211	34.590	27.066	0.933
650	6.534	34.565	27.140	0.985
700	6.076	34.559	27.195	1.035
750	5.668	34.552	27.240	1.082
800	5.156	34.546	27.297	1.127
900	4.739	34.550	27.349	1.211
1000	4.560	34.554	27.371	1.293
1500	2.968	34.602	27.570	1.646
2000	2.141	34.642	27.674	1.931
2500	1.682	34.664	27.727	2.175
3000	1.452	34.675	27.753	2.405
3500	1.253	34.687	27.777	2.629
3913	1.141	34.693	27.789	2.807

CAST EP4-88-OC -027 DATE 31 OCT 88 TIME 1655 GMT

LAT 00 00.7S LONG 114 58.2W



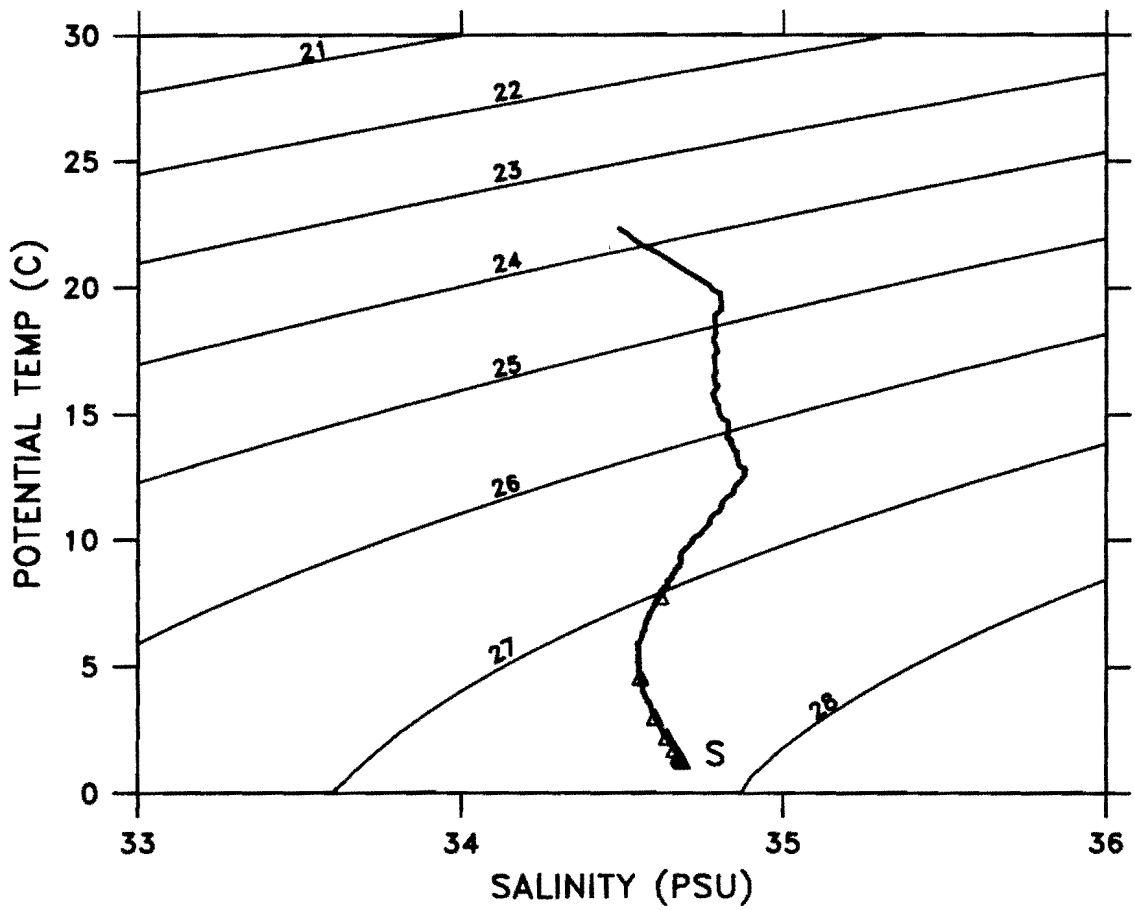


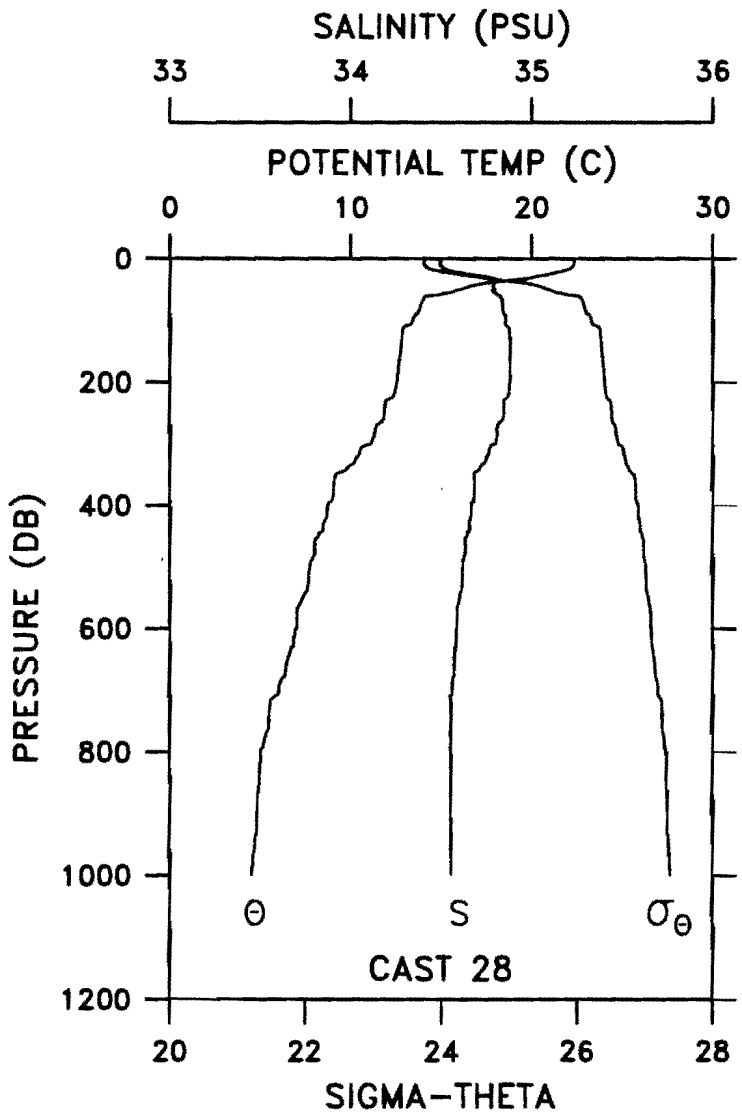
CAST EP4-88-OC -027 DATE 31 OCT 88 TIME 1655 GMT
LAT 00 00.7S LONG 114 58.2W WEATHER 1 SEA STATE 2
BAROMETER 14 WIND DIR 120 T SPD 10 KT VISIBILITY 8
CLOUD 7 AMOUNT 2 DRY 21.2 WET 20.4 DEPTH 4016 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	19.602	34.717	24.652	0.000
10	19.349	34.724	24.722	0.033
20	18.660	34.764	24.928	0.063
30	17.974	34.781	25.112	0.093
40	16.492	34.796	25.478	0.120
50	14.838	34.862	25.902	0.143
60	14.442	34.940	26.047	0.163
70	14.282	34.942	26.083	0.183
80	14.021	34.889	26.098	0.202
90	13.433	34.909	26.235	0.220
100	13.232	34.902	26.271	0.238
110	13.247	34.917	26.279	0.256
120	13.199	34.916	26.289	0.273
130	13.138	34.912	26.298	0.291
140	13.084	34.910	26.307	0.308
150	13.019	34.906	26.317	0.326
160	12.936	34.905	26.332	0.343
170	12.813	34.897	26.351	0.360
180	12.595	34.886	26.386	0.377
190	12.479	34.882	26.405	0.394
200	12.467	34.882	26.408	0.411
250	11.633	34.831	26.528	0.491
299	10.978	34.782	26.610	0.566

CAST EP4-88-OC -028 DATE 01 NOV 88 TIME 1353 GMT

LAT 00 00.0N LONG 120 00.5W



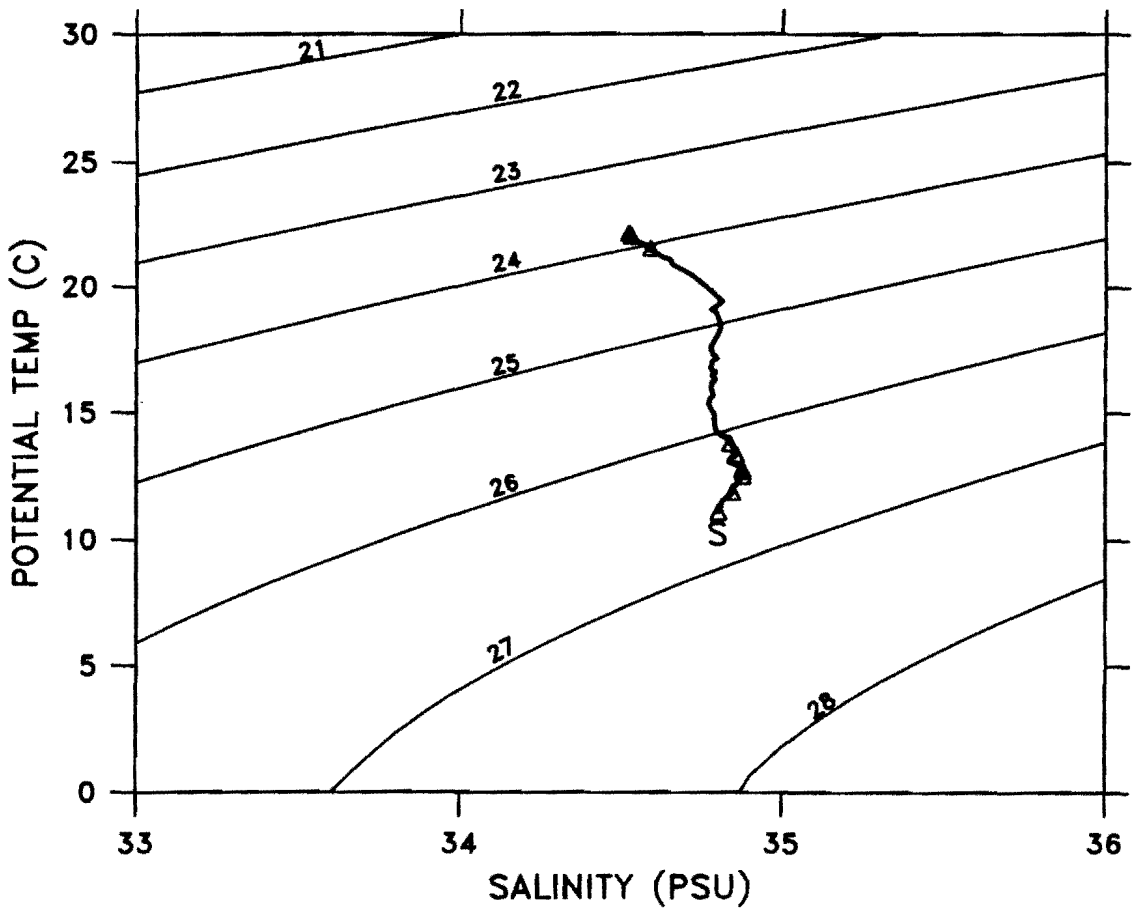


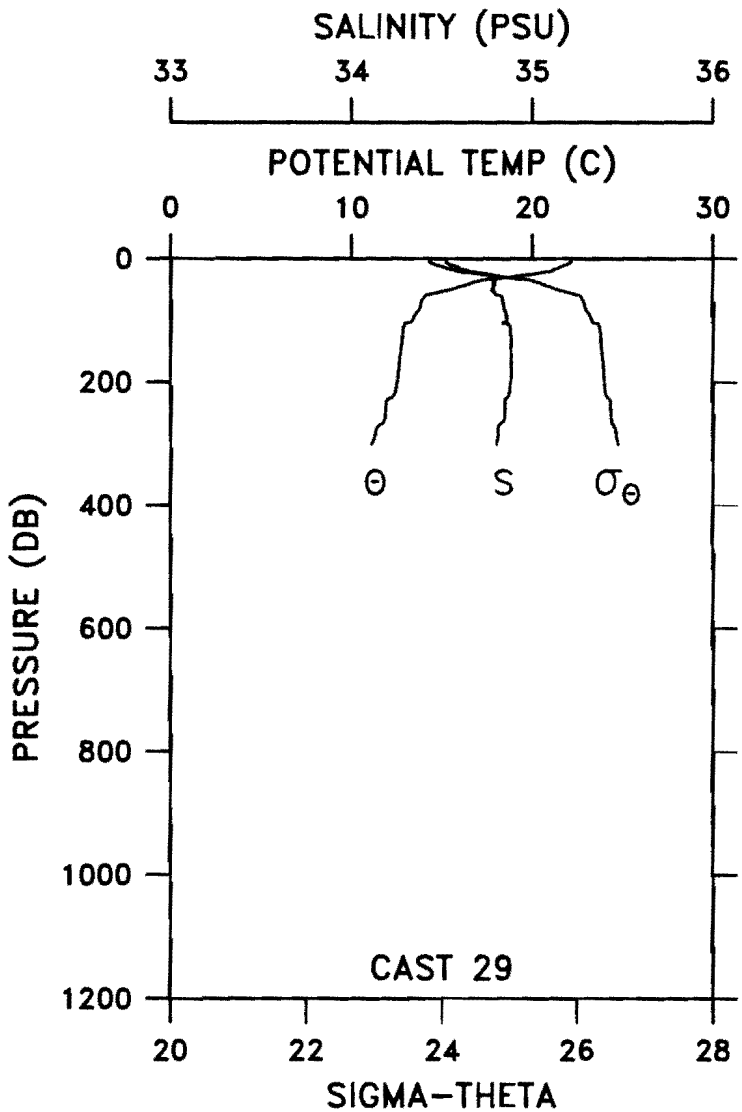
CAST EP4-88-OC -028 DATE 01 NOV 88 TIME 1353 GMT
LAT 00 00.0N LONG 120 00.5W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 110 T SPD 11 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 21.7 WET 20.0 DEPTH 4202 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.309	34.492	23.747	0.000
10	22.328	34.491	23.740	0.041
20	21.678	34.562	23.976	0.082
30	20.082	34.772	24.567	0.119
40	17.338	34.786	25.270	0.149
50	15.979	34.789	25.591	0.175
60	14.247	34.829	26.004	0.197
70	13.907	34.836	26.080	0.217
80	13.804	34.840	26.105	0.236
90	13.564	34.849	26.162	0.255
100	13.402	34.856	26.201	0.274
110	12.910	34.867	26.309	0.292
120	12.825	34.877	26.333	0.309
130	12.797	34.879	26.340	0.326
140	12.768	34.880	26.347	0.343
150	12.722	34.880	26.356	0.360
160	12.665	34.879	26.366	0.377
170	12.626	34.880	26.375	0.394
180	12.587	34.881	26.383	0.411
190	12.564	34.881	26.388	0.428
200	12.518	34.878	26.394	0.445
250	11.834	34.844	26.500	0.526
300	11.108	34.800	26.601	0.604
350	9.208	34.686	26.839	0.673
400	8.738	34.665	26.897	0.736
450	8.224	34.641	26.958	0.797
500	7.757	34.618	27.010	0.854
550	7.371	34.600	27.052	0.910
600	7.022	34.584	27.088	0.964
650	6.557	34.572	27.142	1.016
700	6.071	34.560	27.196	1.065
750	5.537	34.554	27.258	1.111
800	5.073	34.552	27.312	1.156
900	4.883	34.553	27.335	1.240
1000	4.564	34.557	27.373	1.323
1500	3.021	34.602	27.565	1.677
2000	2.249	34.637	27.661	1.962
2500	1.721	34.663	27.723	2.216
3000	1.472	34.674	27.751	2.450
3500	1.261	34.686	27.776	2.674
4000	1.125	34.693	27.791	2.892
4048	1.124	34.693	27.790	2.913

CAST EP4-88-OC -029 DATE 01 NOV 88 TIME 1709 GMT

LAT 00 00.3S LONG 120 00.0W



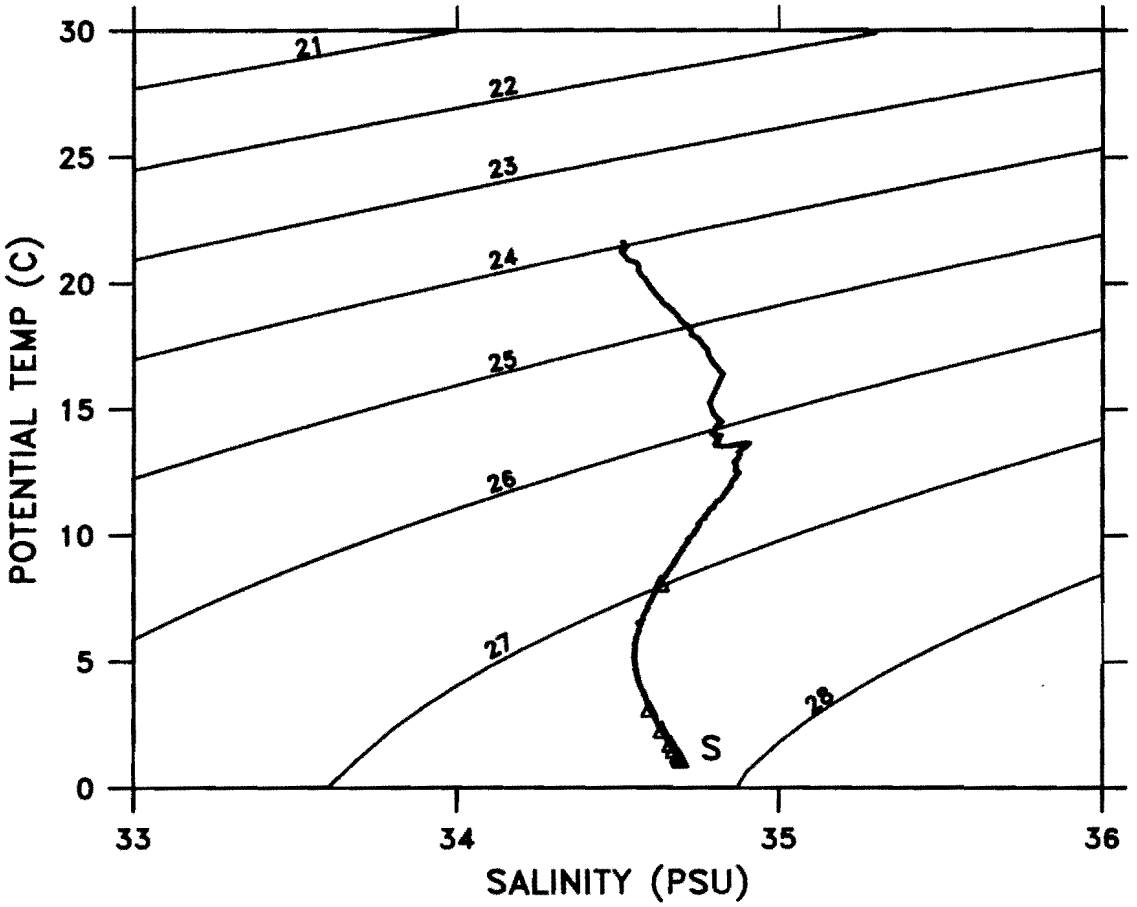


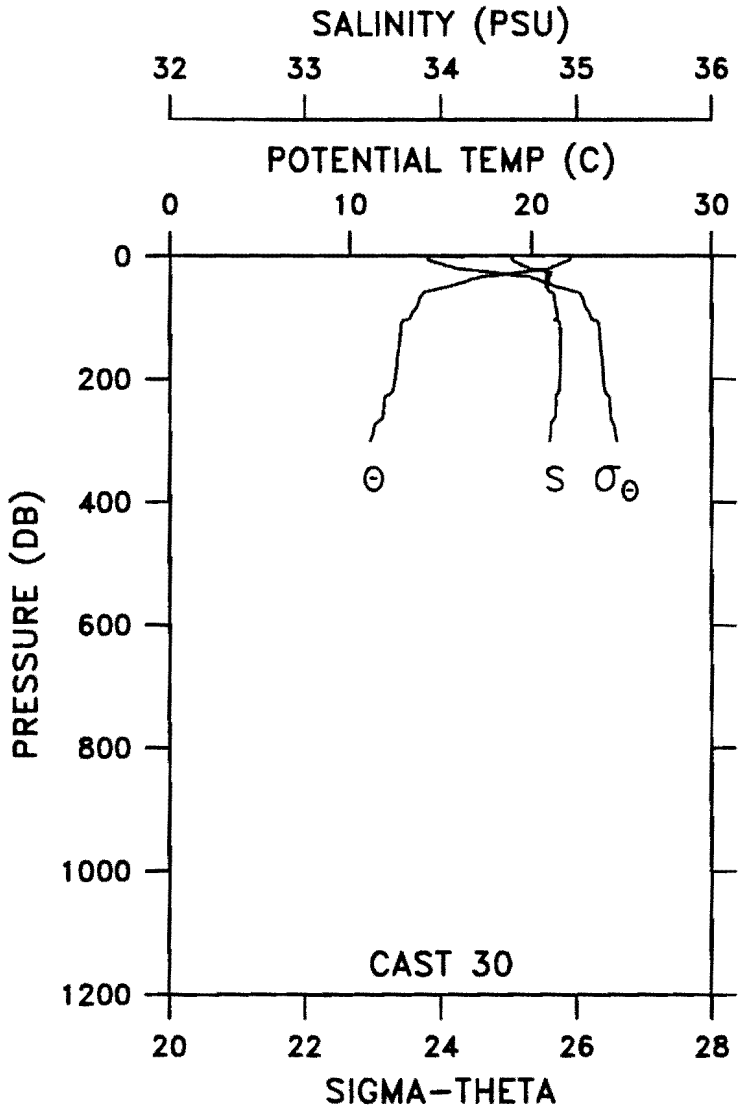
CAST EP4-88-OC -029 DATE 01 NOV 88 TIME 1709 GMT
LAT 00 00.3S LONG 120 00.0W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 105 T SPD 11 KT VISIBILITY 8
CLOUD 8 AMOUNT 6 DRY 22.6 WET 10.8 DEPTH 4193 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.148	34.523	23.816	0.000
10	21.875	34.538	23.903	0.041
20	21.100	34.649	24.201	0.079
30	18.712	34.800	24.943	0.113
40	16.552	34.792	25.461	0.140
50	15.441	34.774	25.701	0.164
60	14.042	34.825	26.044	0.185
70	13.836	34.836	26.095	0.205
80	13.749	34.841	26.117	0.224
90	13.511	34.854	26.177	0.243
100	13.345	34.855	26.211	0.261
110	12.841	34.877	26.330	0.279
120	12.804	34.878	26.338	0.296
130	12.780	34.883	26.347	0.313
140	12.743	34.880	26.352	0.330
150	12.706	34.881	26.360	0.347
160	12.645	34.880	26.371	0.364
170	12.610	34.882	26.379	0.381
180	12.581	34.884	26.387	0.397
190	12.547	34.881	26.391	0.414
200	12.500	34.877	26.397	0.431
250	11.852	34.846	26.498	0.513
300	11.130	34.803	26.599	0.590
301	11.112	34.802	26.602	0.592

CAST EP4-88-OC -030 DATE 02 NOV 88 TIME 1303 GMT

LAT 00 07.0N LONG 124 25.6W



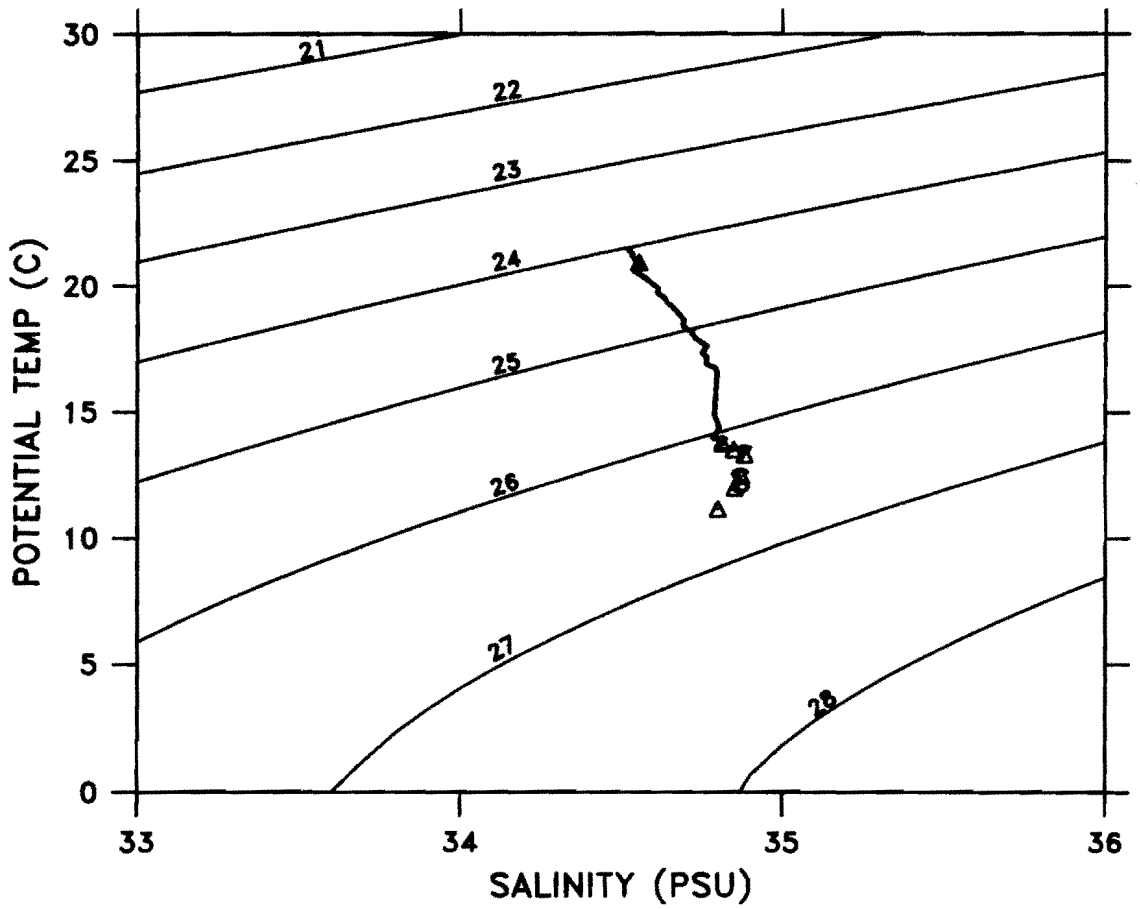


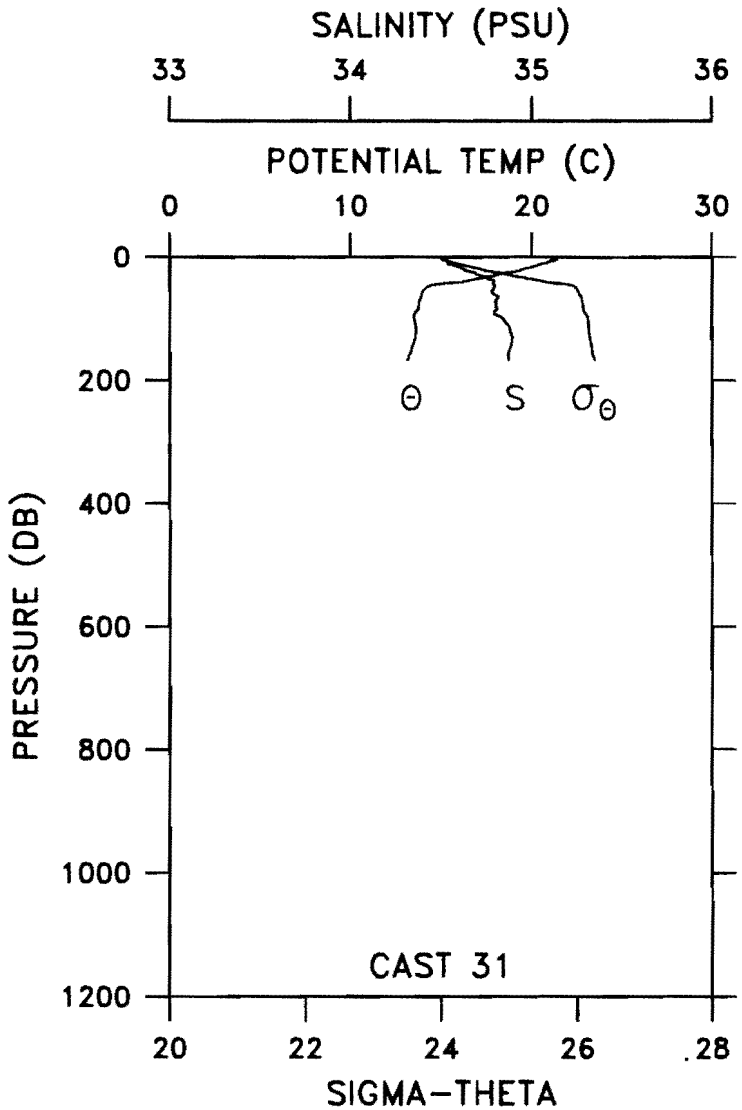
CAST EP4-88-OC -030 DATE 02 NOV 88 TIME 1303 GMT
LAT 00 07.0N LONG 124 25.6W WEATHER 2 SEA STATE 3
BAROMETER 14 WIND DIR 117 T SPD 22 KT VISIBILITY 7
CLOUD 3 AMOUNT 7 DRY 23.0 WET 19.7 DEPTH 4598 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.661	34.516	23.946	0.000
10	21.282	34.508	24.044	0.039
20	19.858	34.599	24.494	0.075
30	18.620	34.688	24.880	0.108
40	17.368	34.777	25.256	0.137
50	14.809	34.796	25.857	0.162
60	14.038	34.790	26.017	0.182
70	13.930	34.817	26.061	0.202
80	13.806	34.811	26.082	0.222
90	13.690	34.806	26.103	0.241
100	13.534	34.836	26.158	0.260
110	13.597	34.865	26.168	0.279
120	13.667	34.898	26.178	0.297
130	13.606	34.905	26.196	0.316
140	13.507	34.897	26.211	0.334
150	13.379	34.882	26.225	0.353
160	13.265	34.877	26.245	0.371
170	13.118	34.876	26.274	0.389
180	12.995	34.871	26.295	0.407
190	12.705	34.868	26.350	0.424
200	12.491	34.873	26.396	0.441
250	12.119	34.854	26.453	0.525
300	11.128	34.799	26.596	0.603
350	10.198	34.742	26.717	0.675
400	9.342	34.697	26.826	0.743
450	8.749	34.668	26.899	0.806
500	8.084	34.633	26.973	0.866
550	7.641	34.613	27.023	0.923
600	7.071	34.591	27.087	0.977
650	6.669	34.575	27.130	1.030
700	6.397	34.569	27.161	1.080
750	5.702	34.552	27.236	1.129
800	5.479	34.556	27.266	1.174
900	4.893	34.554	27.334	1.262
1000	4.512	34.559	27.380	1.344
1500	3.106	34.599	27.555	1.698
2000	2.290	34.635	27.656	1.983
2500	1.729	34.662	27.722	2.236
3000	1.502	34.673	27.748	2.471
3500	1.259	34.687	27.776	2.699
4000	1.121	34.694	27.791	2.916
4396	1.120	34.693	27.791	3.092

CAST EP4-88-OC -031 DATE 02 NOV 88 TIME 1551 GMT

LAT 00 07.1N LONG 124 26.4W



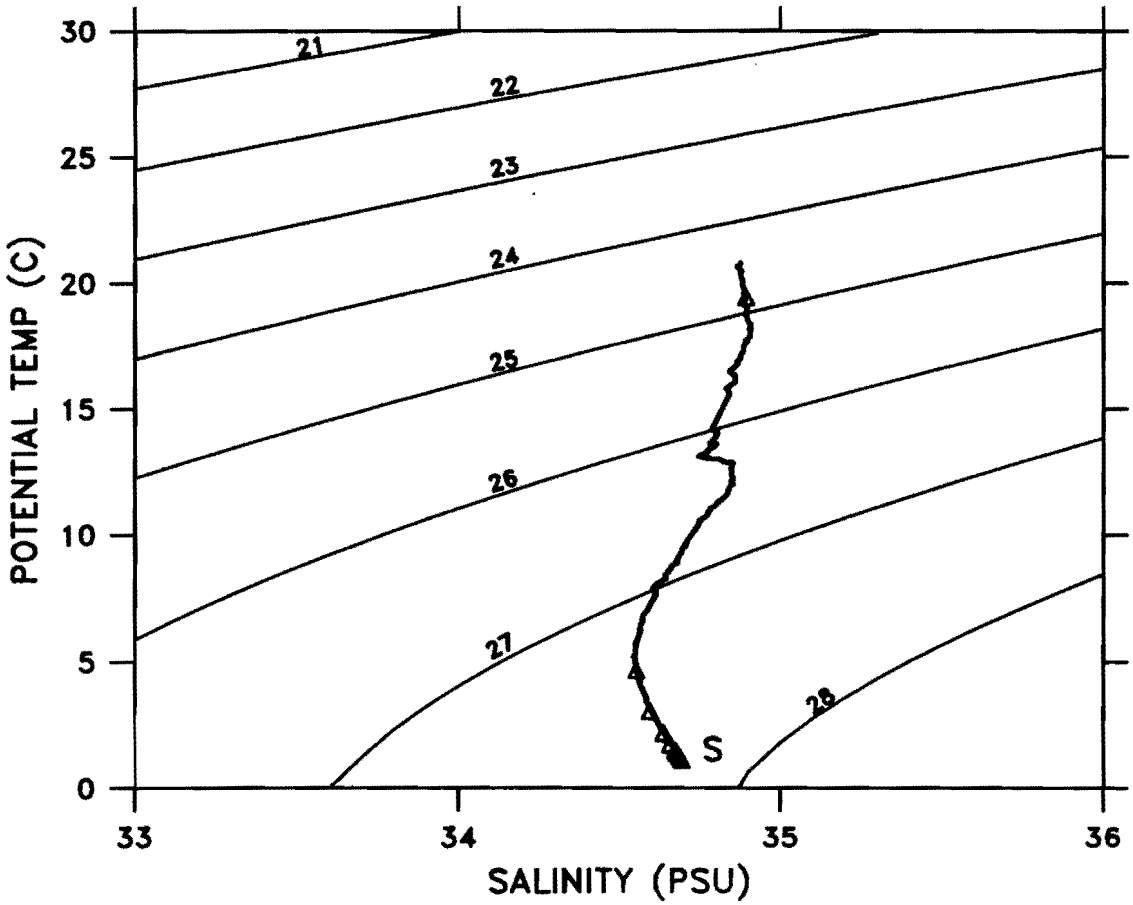


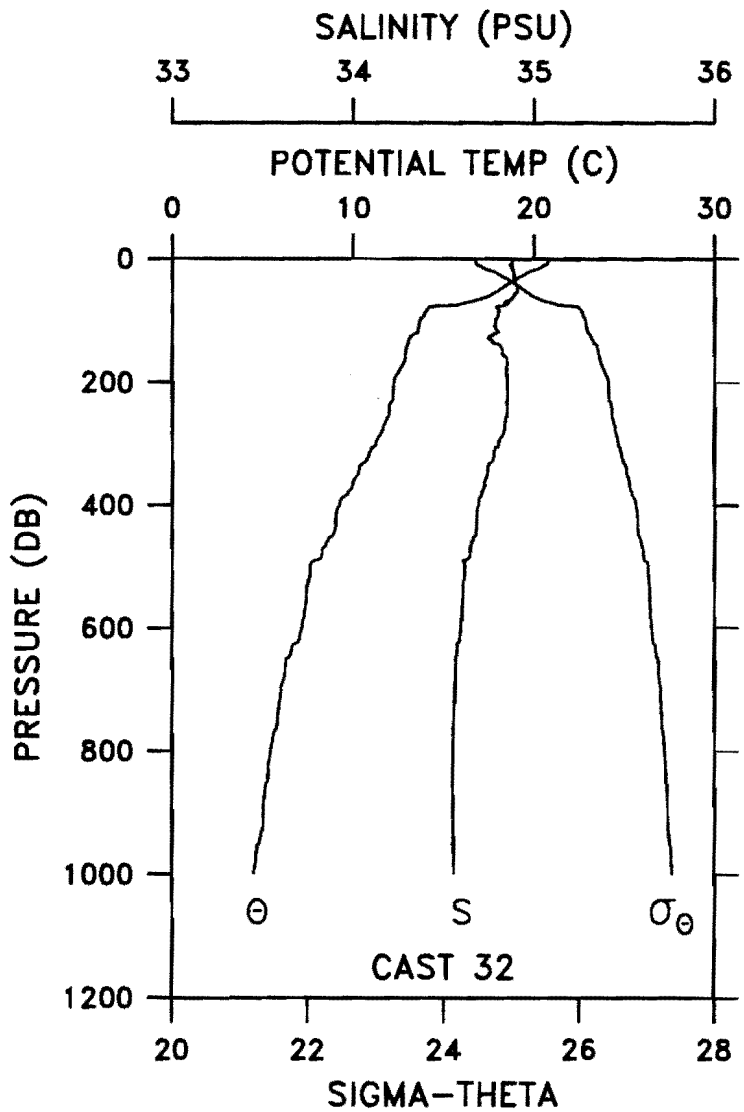
CAST EP4-88-OC -031 DATE 02 NOV 88 TIME 1551 GMT
LAT 00 07.1N LONG 124 26.4W WEATHER 2 SEA STATE 4
BAROMETER 15 WIND DIR 106 T SPD 13 KT VISIBILITY 7
CLOUD 4 AMOUNT 8 DRY 22.6 WET 20.0 DEPTH 4579 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.429	34.523	24.015	0.000
10	20.720	34.561	24.237	0.038
20	19.491	34.635	24.617	0.073
30	18.020	34.723	25.056	0.104
40	16.279	34.796	25.527	0.131
50	14.196	34.796	25.988	0.153
60	13.957	34.794	26.037	0.173
70	13.836	34.806	26.073	0.192
80	13.771	34.807	26.086	0.212
90	13.582	34.797	26.118	0.231
100	13.528	34.842	26.164	0.250
110	13.602	34.872	26.171	0.269
120	13.640	34.883	26.172	0.287
130	13.601	34.899	26.192	0.306
140	13.489	34.890	26.209	0.324
150	13.385	34.880	26.222	0.343
160	13.245	34.872	26.245	0.361
167	13.159	34.872	26.262	0.373

CAST EP4-88-OC -032 DATE 04 NOV 88 TIME 1204 GMT

LAT 00 00.4N LONG 129 59.5W



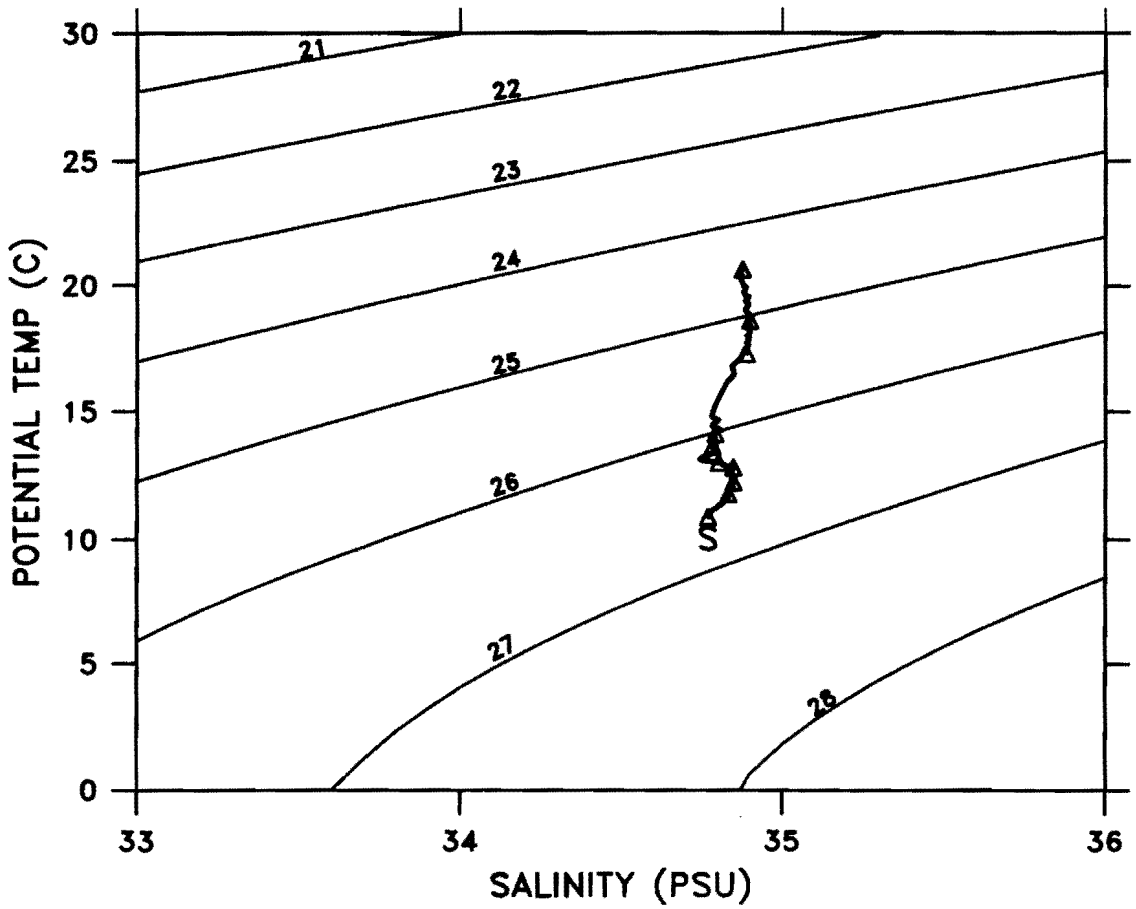


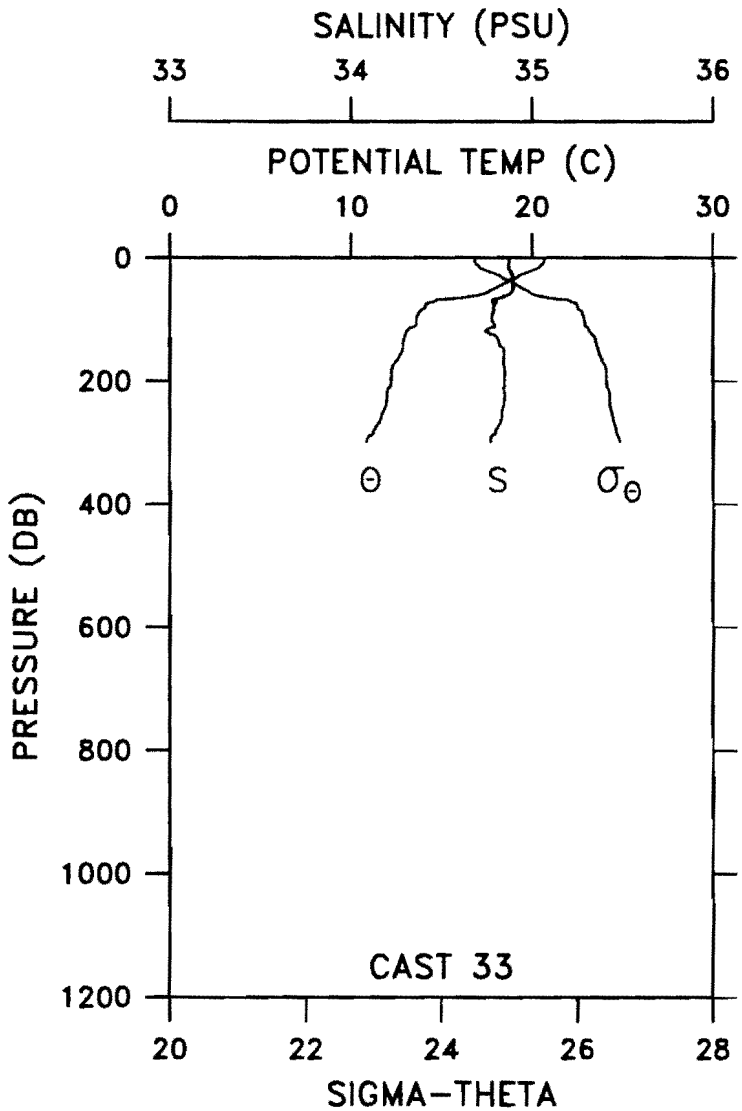
CAST EP4-88-OC -032 DATE 04 NOV 88 TIME 1204 GMT
LAT 00 00.4N LONG 129 59.5W WEATHER 0 SEA STATE 3
BAROMETER 11 WIND DIR 115 T SPD 11 KT VISIBILITY 8
CLOUD X AMOUNT 0 DRY 20.5 WET 19.7 DEPTH 4288 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.796	34.875	24.455	0.000
10	20.610	34.864	24.497	0.035
20	19.808	34.884	24.725	0.068
30	19.163	34.888	24.895	0.099
40	18.568	34.896	25.052	0.129
50	18.059	34.906	25.186	0.158
60	17.457	34.885	25.318	0.185
70	16.332	34.859	25.563	0.211
80	14.127	34.797	26.004	0.233
90	13.909	34.799	26.052	0.253
100	13.673	34.785	26.090	0.272
110	13.597	34.780	26.102	0.292
120	13.509	34.796	26.132	0.311
130	13.084	34.752	26.185	0.330
140	12.978	34.813	26.254	0.348
150	12.909	34.825	26.276	0.366
160	12.882	34.846	26.298	0.384
170	12.763	34.850	26.325	0.401
180	12.576	34.847	26.359	0.418
190	12.351	34.849	26.404	0.435
200	12.256	34.854	26.427	0.452
250	11.991	34.850	26.475	0.533
300	11.258	34.803	26.576	0.612
350	10.284	34.739	26.700	0.685
400	9.265	34.691	26.834	0.753
450	8.895	34.680	26.885	0.817
500	7.652	34.613	27.022	0.876
550	7.442	34.603	27.044	0.932
600	7.185	34.593	27.072	0.986
650	6.297	34.563	27.169	1.038
700	6.007	34.560	27.204	1.087
750	5.834	34.555	27.222	1.135
800	5.449	34.550	27.265	1.181
900	5.046	34.550	27.314	1.269
1000	4.506	34.556	27.379	1.352
1500	2.933	34.604	27.576	1.704
2000	2.159	34.641	27.671	1.986
2500	1.717	34.662	27.723	2.233
3000	1.487	34.673	27.749	2.467
3500	1.251	34.686	27.776	2.693
3997	1.113	34.693	27.791	2.908

CAST EP4-88-OC -033 DATE 04 NOV 88 TIME 1518 GMT

LAT 00 01.4N LONG 129 57.4W



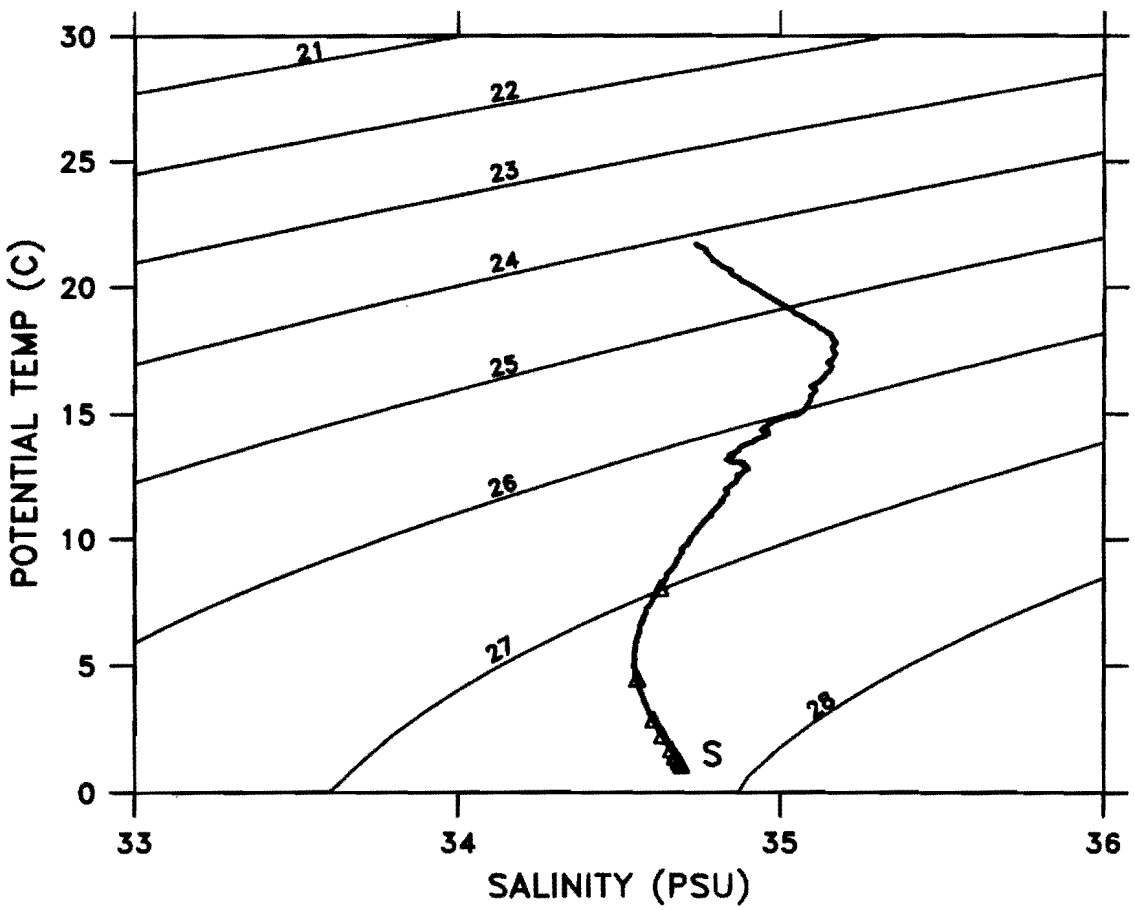


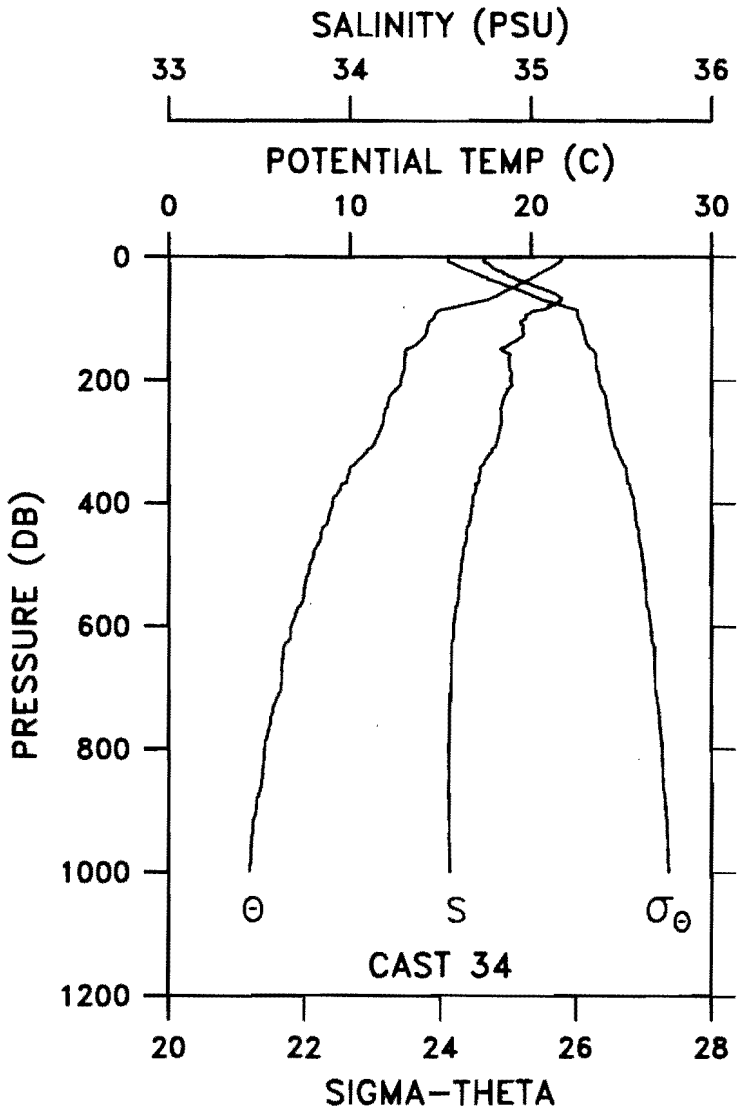
CAST EP4-88-OC -033 DATE 04 NOV 88 TIME 1518 GMT
LAT 00 01.4N LONG 129 57.4W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 115 T SPD 12 KT VISIBILITY 8
CLOUD 6 AMOUNT 1 DRY 21.4 WET 20.3 DEPTH 4322 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.689	34.875	24.484	0.000
10	20.601	34.871	24.505	0.034
20	20.062	34.877	24.653	0.068
30	19.269	34.895	24.873	0.100
40	18.524	34.894	25.061	0.130
50	17.945	34.896	25.207	0.158
60	17.154	34.873	25.381	0.185
70	14.652	34.803	25.897	0.209
80	14.107	34.791	26.003	0.229
90	13.747	34.782	26.072	0.249
100	13.603	34.779	26.099	0.269
110	13.585	34.793	26.114	0.288
120	13.069	34.752	26.188	0.307
130	12.953	34.809	26.255	0.325
140	12.881	34.820	26.278	0.343
150	12.846	34.846	26.305	0.360
160	12.667	34.844	26.339	0.378
170	12.455	34.844	26.381	0.395
180	12.267	34.849	26.421	0.411
190	12.238	34.850	26.427	0.428
200	12.226	34.849	26.429	0.444
250	11.786	34.835	26.502	0.525
299	10.876	34.772	26.621	0.600

CAST EP4-88-OC -034 DATE 05 NOV 88 TIME 1151 GMT

LAT 00 00.6S LONG 134 59.6W



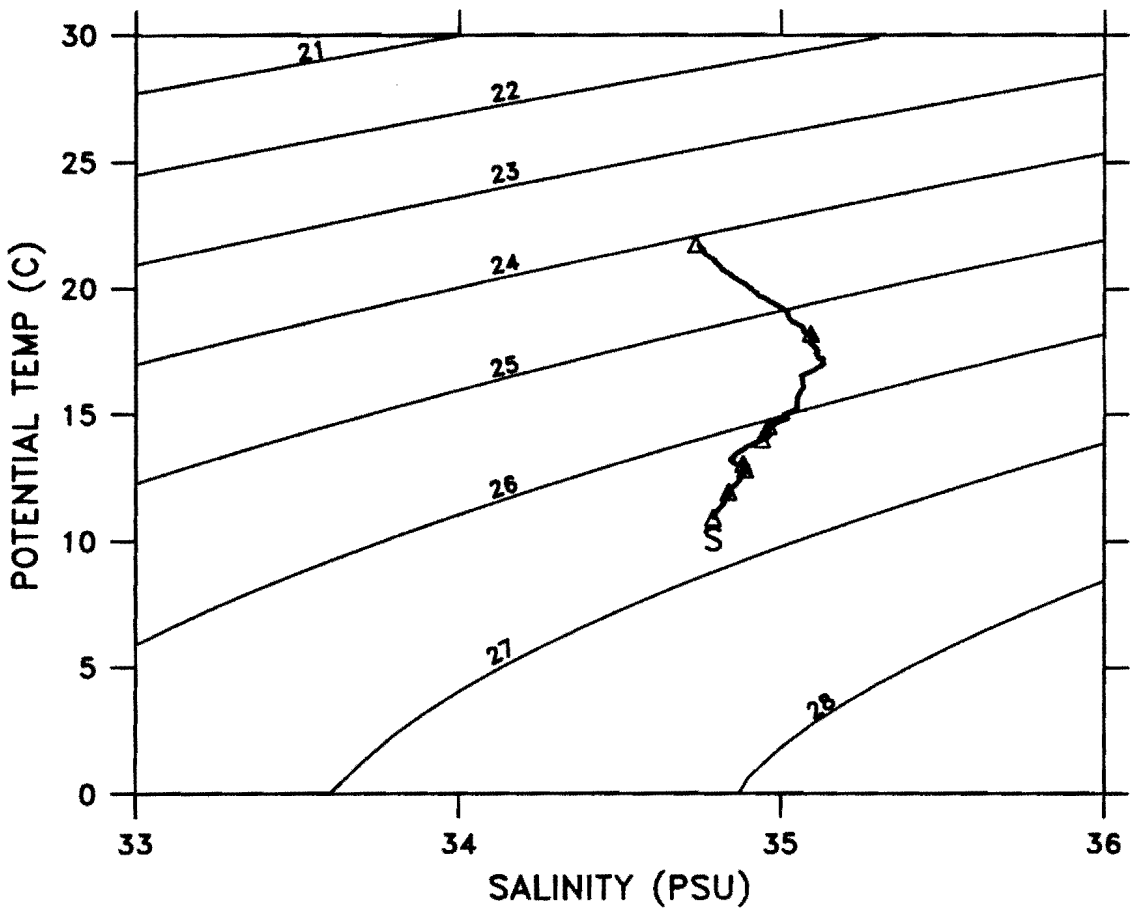


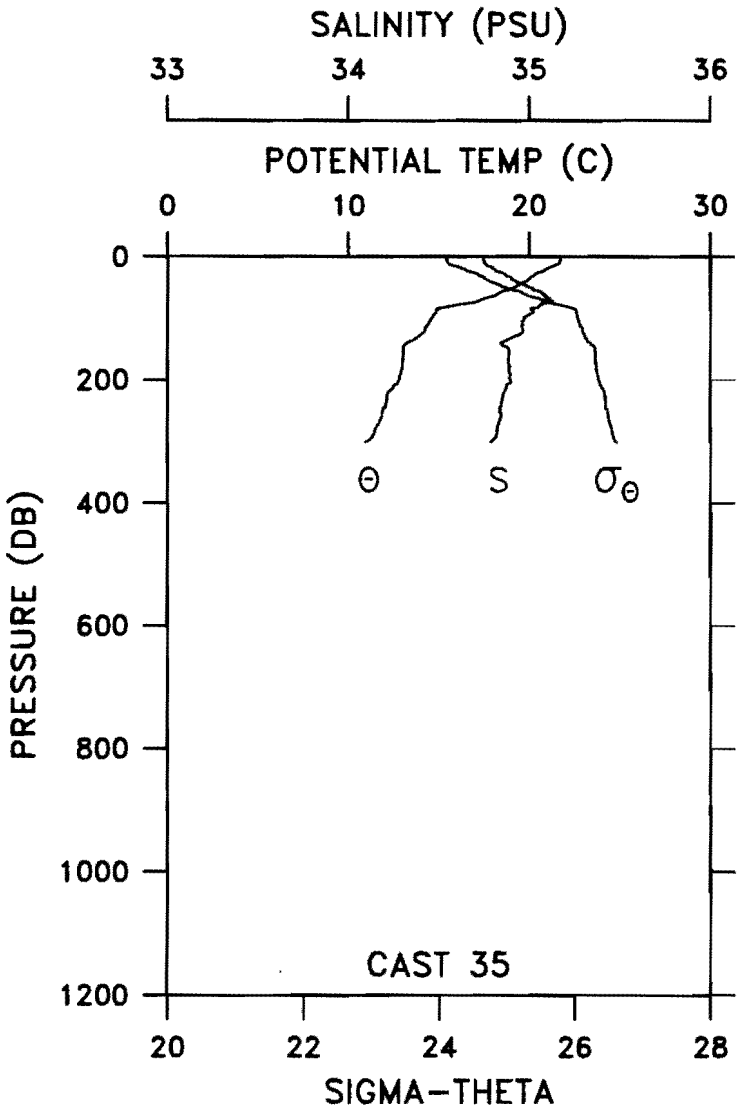
CAST EP4-88-OC -034 DATE 05 NOV 88 TIME 1151 GMT
LAT 00 00.6S LONG 134 59.6W WEATHER 0 SEA STATE 2
BAROMETER 12 WIND DIR 120 T SPD 13 KT VISIBILITY 8
CLOUD X AMOUNT 1 DRY 21.7 WET 20.8 DEPTH 4371 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.641	34.740	24.122	0.000
10	21.483	34.769	24.187	0.038
20	20.925	34.805	24.367	0.074
30	20.313	34.874	24.584	0.109
40	19.670	34.956	24.816	0.141
50	18.944	35.044	25.070	0.171
60	18.276	35.136	25.309	0.199
70	17.504	35.162	25.519	0.225
80	15.994	35.107	25.832	0.248
90	14.783	34.996	26.017	0.269
100	14.629	34.969	26.029	0.289
110	14.325	34.953	26.083	0.309
120	14.236	34.952	26.101	0.328
130	14.094	34.951	26.130	0.347
140	13.741	34.889	26.156	0.366
150	13.133	34.839	26.242	0.385
160	13.057	34.883	26.292	0.403
170	13.029	34.880	26.295	0.420
180	13.013	34.883	26.301	0.438
190	12.906	34.893	26.329	0.456
200	12.832	34.888	26.340	0.473
250	11.936	34.834	26.473	0.556
300	11.380	34.811	26.559	0.636
350	9.954	34.720	26.741	0.708
400	9.057	34.677	26.857	0.774
450	8.432	34.646	26.931	0.836
500	7.802	34.615	27.001	0.895
550	7.471	34.600	27.038	0.951
600	6.796	34.572	27.110	1.005
650	6.313	34.563	27.167	1.056
700	6.225	34.560	27.176	1.105
750	5.665	34.550	27.239	1.153
800	5.334	34.548	27.278	1.198
900	4.864	34.549	27.333	1.285
1000	4.501	34.554	27.378	1.366
1500	2.922	34.602	27.575	1.723
2000	2.264	34.632	27.656	2.007
2500	1.725	34.661	27.721	2.256
3000	1.453	34.673	27.751	2.490
3500	1.253	34.684	27.775	2.718
4000	1.105	34.693	27.792	2.936
4199	1.102	34.693	27.792	3.023

CAST EP4-88-OC -035 DATE 05 NOV 88 TIME 1535 GMT

LAT 00 00.5S LONG 135 00.0W



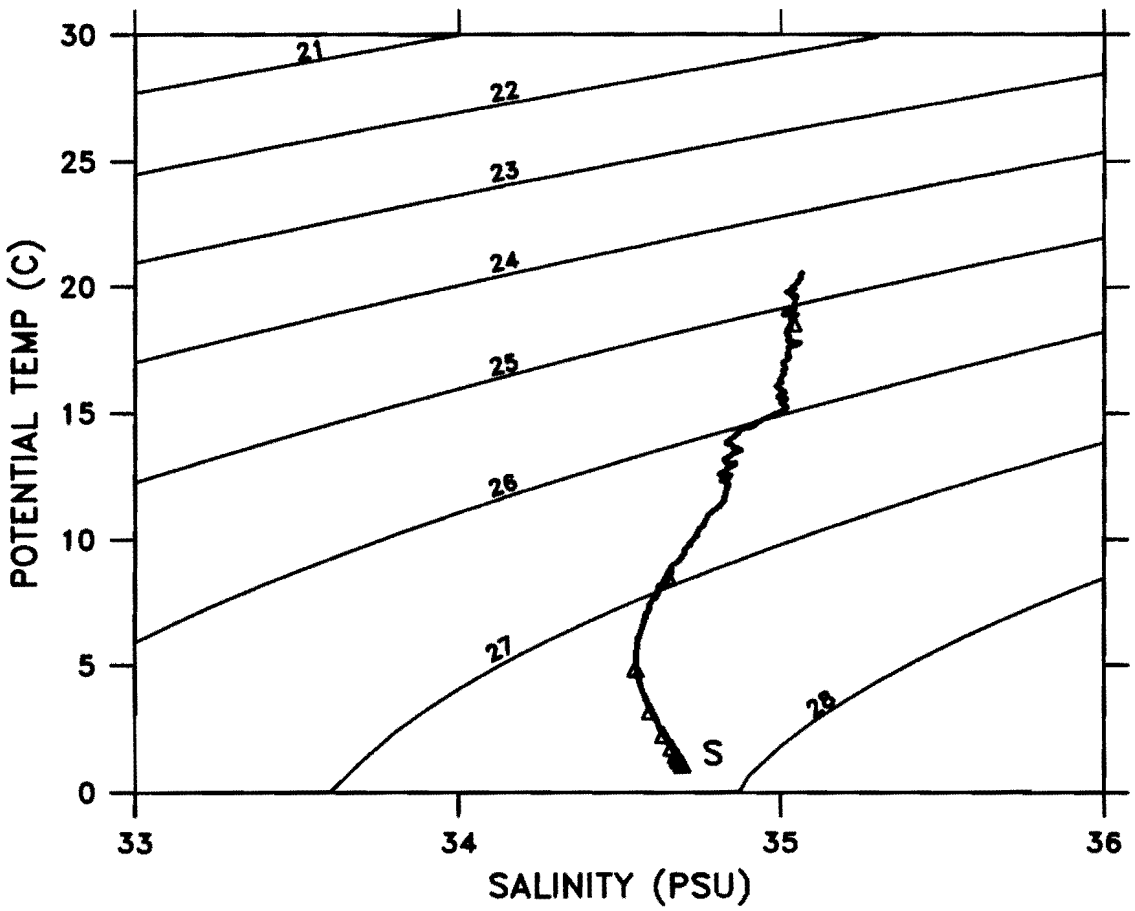


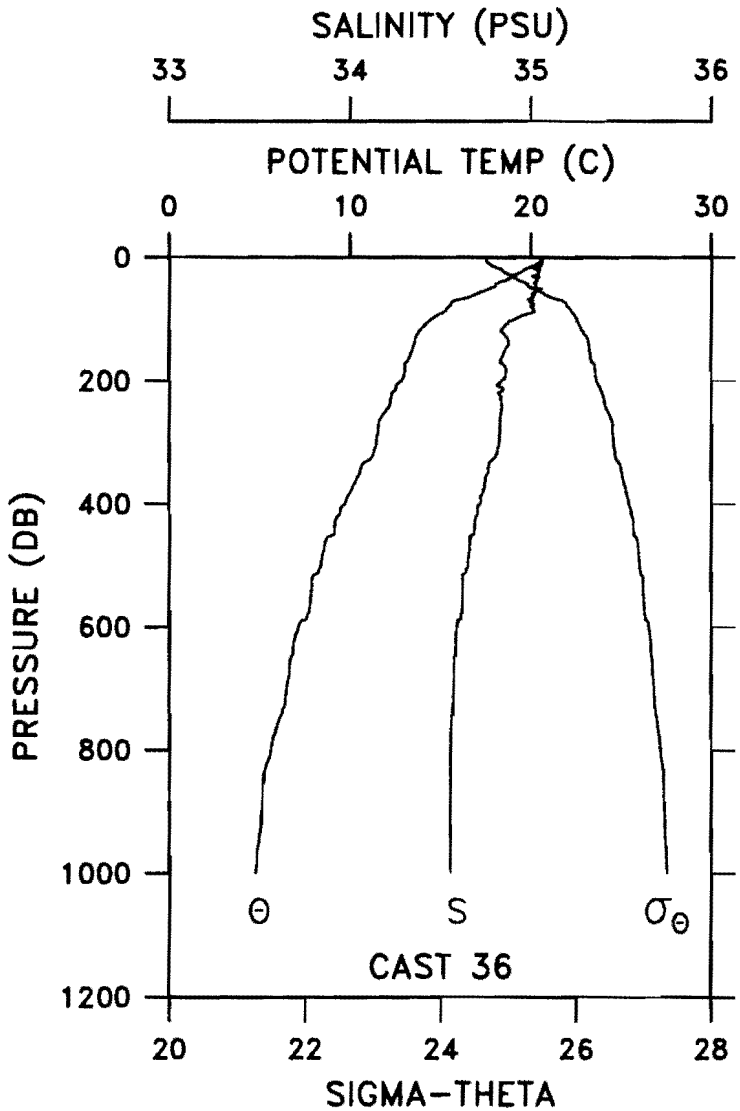
CAST EP4-88-OC -035 DATE 05 NOV 88 TIME 1535 GMT
LAT 00 00.5S LONG 135 00.0W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 120 T SPD 17 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 21.9 WET 20.9 DEPTH 4350 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.723	34.746	24.103	0.000
10	21.661	34.749	24.123	0.038
20	20.941	34.806	24.364	0.075
30	20.311	34.869	24.581	0.109
40	19.826	34.925	24.751	0.142
50	19.162	35.011	24.989	0.173
60	18.271	35.071	25.260	0.201
70	17.329	35.113	25.523	0.228
80	15.712	35.052	25.854	0.251
90	14.815	35.021	26.029	0.271
100	14.567	34.974	26.047	0.291
110	14.352	34.962	26.084	0.311
120	14.197	34.964	26.119	0.330
130	13.834	34.913	26.156	0.349
140	13.189	34.842	26.233	0.368
150	13.032	34.888	26.300	0.386
160	13.018	34.886	26.302	0.403
170	12.992	34.887	26.308	0.421
180	12.957	34.888	26.315	0.438
190	12.895	34.898	26.336	0.456
200	12.803	34.895	26.352	0.473
250	11.927	34.841	26.480	0.555
300	11.045	34.786	26.601	0.634
301	10.939	34.792	26.625	0.635

CAST EP4-88-OC -036 DATE 06 NOV 88 TIME 1528 GMT

LAT 00 02.4N LONG 139 58.5W



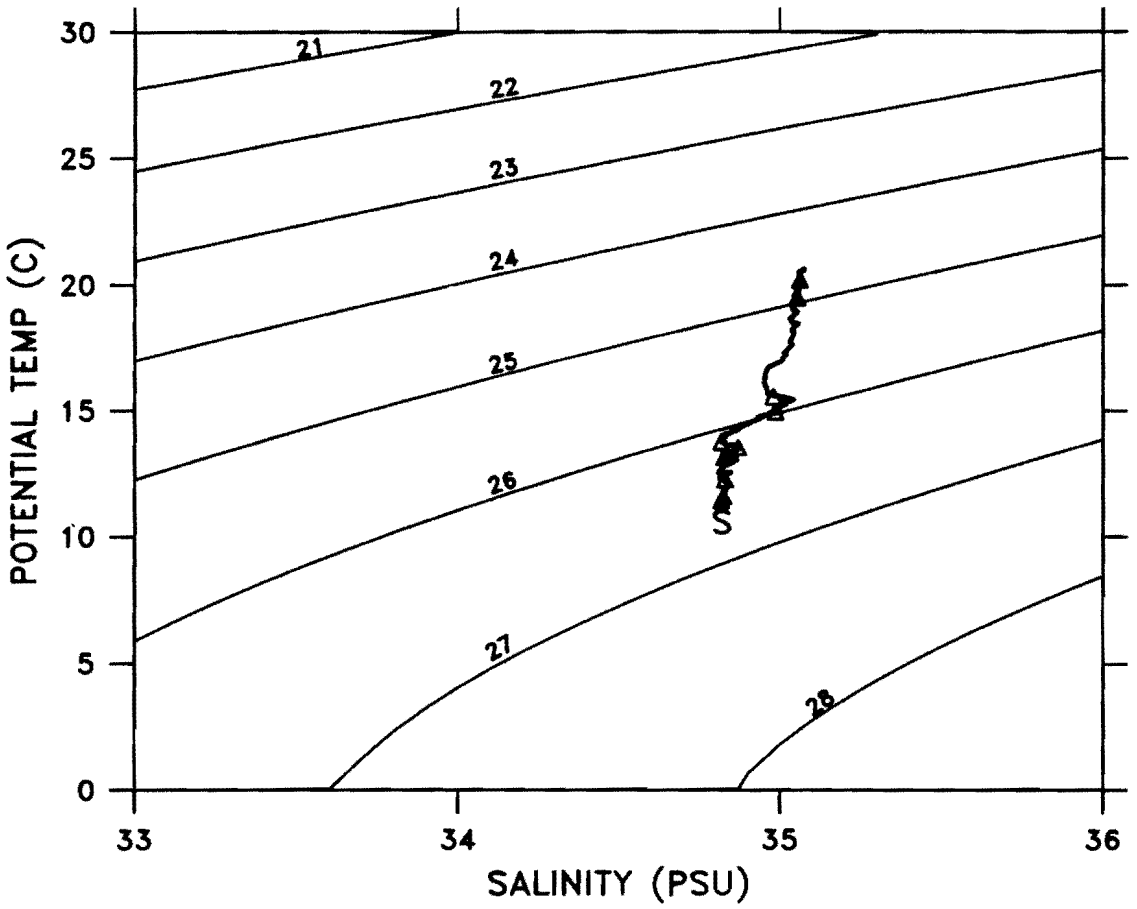


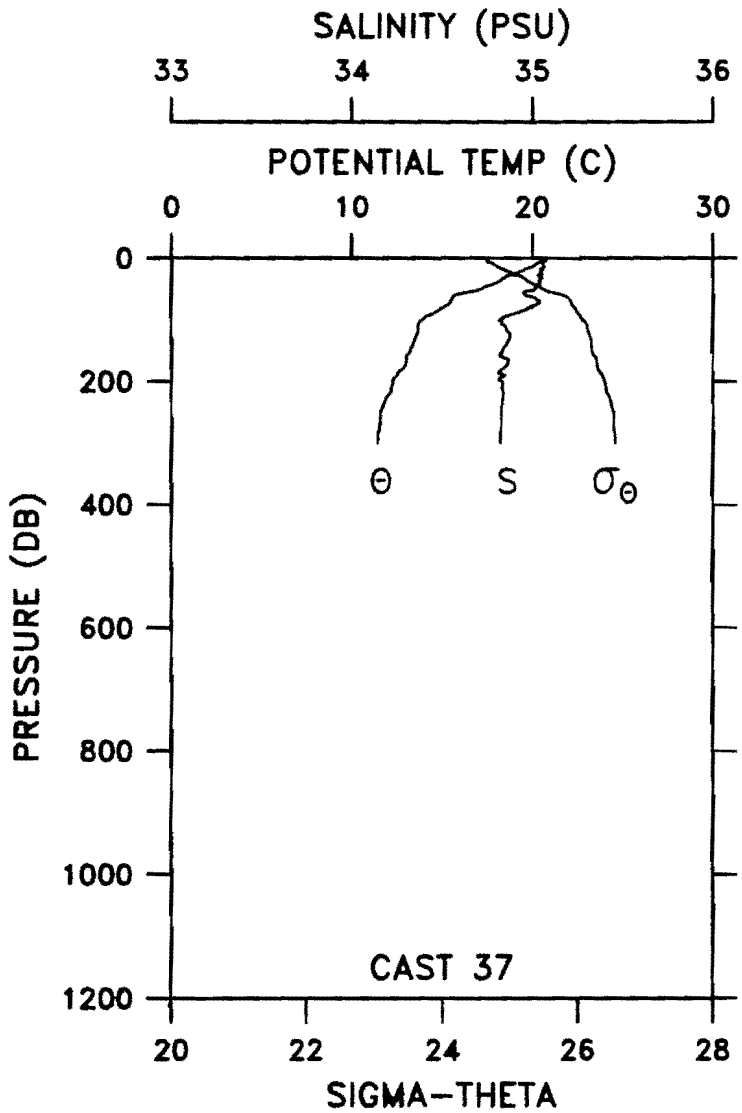
CAST EP4-88-OC -036 DATE 06 NOV 88 TIME 1528 GMT
LAT 00 02.4N LONG 139 58.5W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 100 T SPD 09 KT VISIBILITY 8
CLOUD 8 AMOUNT 5 DRY 21.2 WET 20.6 DEPTH 4352 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.551	35.065	24.666	0.000
10	20.358	35.061	24.715	0.033
20	19.607	35.049	24.903	0.064
30	18.889	35.009	25.057	0.094
40	18.266	35.031	25.231	0.122
50	17.752	35.061	25.381	0.149
60	16.918	35.008	25.541	0.175
70	15.745	34.999	25.806	0.198
80	15.394	34.999	25.885	0.220
90	15.086	35.005	25.958	0.241
100	14.460	34.908	26.019	0.261
110	14.070	34.856	26.061	0.281
120	13.778	34.831	26.103	0.301
130	13.613	34.869	26.167	0.320
140	13.545	34.878	26.188	0.338
150	13.415	34.855	26.197	0.357
160	13.283	34.839	26.211	0.375
170	13.103	34.827	26.239	0.394
180	13.024	34.859	26.279	0.412
190	12.985	34.860	26.288	0.429
200	12.832	34.833	26.298	0.447
250	11.947	34.833	26.470	0.531
300	11.457	34.821	26.553	0.610
350	10.523	34.759	26.674	0.685
400	9.718	34.713	26.776	0.754
450	9.098	34.681	26.853	0.820
500	8.398	34.649	26.938	0.881
550	7.843	34.618	26.998	0.939
600	7.133	34.589	27.077	0.996
650	6.714	34.576	27.124	1.048
700	6.493	34.571	27.150	1.100
750	6.095	34.561	27.194	1.150
800	5.623	34.555	27.248	1.197
900	5.114	34.553	27.308	1.285
1000	4.769	34.555	27.349	1.371
1500	3.016	34.604	27.567	1.730
2000	2.224	34.638	27.663	2.015
2500	1.667	34.666	27.730	2.264
3000	1.434	34.676	27.755	2.494
3500	1.249	34.686	27.776	2.717
4000	1.099	34.695	27.793	2.933
4047	1.095	34.695	27.794	2.953

CAST EP4-88-OC -037 DATE 06 NOV 88 TIME 1852 GMT

LAT 00 01.9N LONG 139 56.8W



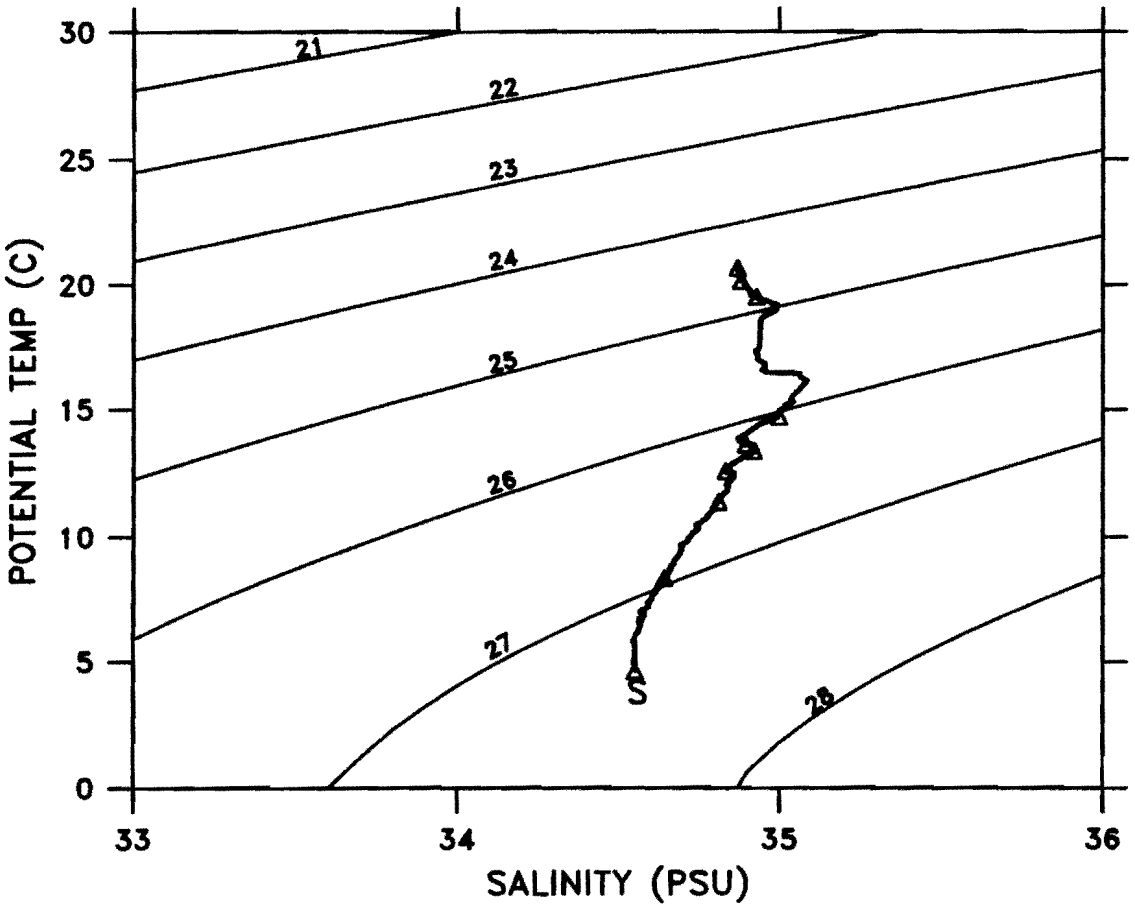


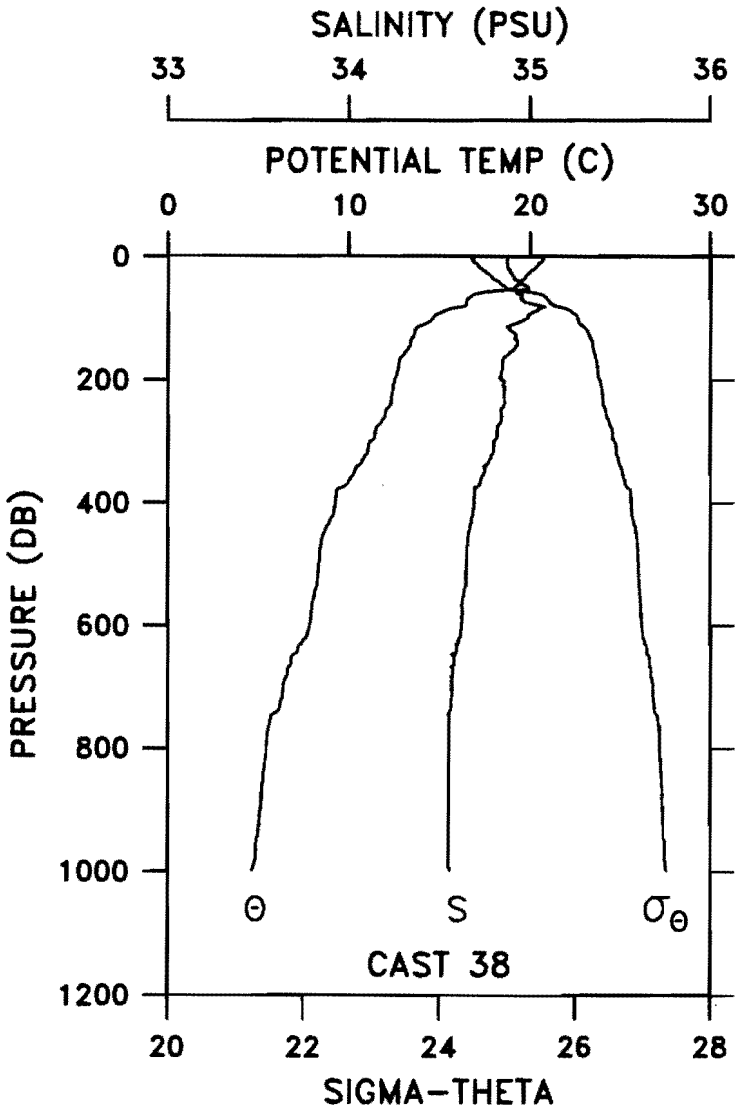
CAST EP4-88-OC -037 DATE 06 NOV 88 TIME 1852 GMT
LAT 00 01.9N LONG 139 56.8W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 115 T SPD 10 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 22.9 WET 21.9 DEPTH 4358 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.634	35.075	24.651	0.000
10	20.187	35.058	24.758	0.033
20	19.483	35.056	24.941	0.064
30	18.504	35.041	25.179	0.093
40	17.981	35.041	25.309	0.120
50	17.144	35.012	25.490	0.146
60	15.671	34.960	25.793	0.169
70	15.445	35.043	25.907	0.191
80	15.079	34.997	25.953	0.212
90	14.488	34.901	26.008	0.232
100	13.857	34.816	26.075	0.252
110	13.637	34.848	26.146	0.271
120	13.641	34.866	26.159	0.290
130	13.496	34.871	26.193	0.309
140	13.374	34.854	26.205	0.327
150	13.236	34.833	26.216	0.346
160	13.010	34.839	26.267	0.364
170	12.998	34.862	26.287	0.381
180	12.803	34.829	26.301	0.399
190	12.543	34.848	26.367	0.416
200	12.293	34.832	26.403	0.433
250	11.597	34.828	26.532	0.514
300	11.434	34.822	26.558	0.592
300	11.434	34.822	26.558	0.592

CAST EP4-88-OC -038 DATE 07 NOV 88 TIME 0819 GMT

LAT 00 01.6S LONG 142 59.5W





CAST EP4-88-OC -038 DATE 07 NOV 88 TIME 0819 GMT
LAT 00 01.6S LONG 142 59.5W WEATHER 4 SEA STATE 3
BAROMETER 13 WIND DIR 110 T SPD 06 KT VISIBILITY 6
CLOUD X AMOUNT 9 DRY 20.8 WET 20.4 DEPTH 4377 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	20.711	34.872	24.476	0.000
10	20.566	34.871	24.515	0.034
20	20.222	34.876	24.610	0.068
30	19.831	34.902	24.733	0.101
40	19.458	34.931	24.852	0.132
50	19.201	34.993	24.965	0.163
60	17.121	34.934	25.435	0.191
70	16.508	34.952	25.594	0.216
80	16.431	35.062	25.697	0.240
90	15.181	35.017	25.946	0.261
100	14.646	34.984	26.037	0.281
110	14.179	34.912	26.082	0.301
120	13.629	34.892	26.182	0.320
130	13.553	34.923	26.222	0.339
140	13.405	34.929	26.257	0.357
150	13.274	34.913	26.271	0.375
160	13.002	34.874	26.295	0.392
170	12.776	34.848	26.320	0.410
180	12.725	34.846	26.329	0.427
190	12.656	34.836	26.335	0.445
200	12.517	34.836	26.362	0.462
250	12.036	34.835	26.454	0.545
300	11.184	34.797	26.585	0.624
350	10.315	34.748	26.701	0.698
400	9.282	34.690	26.830	0.765
450	8.599	34.656	26.913	0.829
500	8.353	34.647	26.943	0.889
550	8.119	34.631	26.966	0.949
600	7.856	34.620	26.997	1.007
650	6.893	34.580	27.103	1.063
700	6.393	34.568	27.161	1.115
750	5.708	34.554	27.237	1.164
800	5.454	34.552	27.267	1.210
900	5.132	34.551	27.304	1.298
1000	4.660	34.556	27.362	1.383
1002	4.658	34.555	27.362	1.385

CAST EP4-88-OC -001 LAT 10 30.8N LONG 109 18.9W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	28.073	33.239	28.073	21.049
17.	27.447	33.229	27.443	21.245
38.	27.202	33.353	27.193	21.418
57.	23.021	34.417	23.010	23.490
77.	18.013	34.650	18.000	25.005
97.	15.303	34.728	15.288	25.699
121.	13.652	34.782	13.635	26.095
147.	12.317	34.776	12.298	26.358
196.	11.691	34.757	11.666	26.464
295.	10.519	34.712	10.484	26.644
495.	7.748	34.558	7.698	26.972
996.	4.373	34.563	4.295	27.408

CAST EP4-88-OC -002 LAT 09 00.0N LONG 109 26.6W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	27.613	32.979	27.613	21.003
17.	27.447	33.003	27.443	21.075
36.	27.212	34.344	27.204	22.161
57.	21.681	34.808	21.670	24.165
77.	18.624	34.717	18.611	24.905
97.	15.012	34.741	14.997	25.774
121.	13.219	34.797	13.202	26.195
147.	12.331	34.784	12.312	26.362
197.	11.559	34.760	11.534	26.491
294.	10.537	34.719	10.502	26.646
494.	8.120	34.601	8.069	26.950
995.	4.449	34.564	4.370	27.400

CAST EP4-88-OC -003 LAT 07 59.4N LONG 109 35.3W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	27.346	32.833	27.346	20.979
16.	27.331	32.906	27.327	21.039
38.	27.688	34.019	27.679	21.763
57.	22.679	34.756	22.668	23.845
76.	19.897	34.752	19.883	24.605
97.	14.865	34.748	14.850	25.811
121.	12.868	34.785	12.852	26.257
147.	12.116	34.772	12.097	26.394
196.	11.418	34.752	11.393	26.511
296.	10.381	34.715	10.346	26.670
494.	8.121	34.601	8.070	26.950
998.	4.488	34.568	4.409	27.399

CAST EP4-88-OC -004 LAT 07 00.4N LONG 109 43.9W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	27.003	33.016	27.003	21.225
17.	27.009	33.018	27.005	21.226
38.	27.154	33.266	27.145	21.368
56.	25.321	34.294	25.309	22.716
77.	21.698	34.786	21.683	24.145
95.	16.405	34.717	16.390	25.441
121.	13.419	34.848	13.402	26.194
145.	12.684	34.838	12.664	26.335
197.	11.826	34.786	11.801	26.461
295.	10.781	34.740	10.745	26.619
495.	7.841	34.609	7.791	26.998
994.	4.413	34.566	4.335	27.406

CAST EP4-88-OC -005 LAT 05 01.6N LONG 110 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
8.	25.969	34.857	25.967	22.938
495.	7.835	34.610	7.785	27.000
994.	4.598	34.563	4.518	27.383
1493.	3.121	34.607	3.012	27.570
1996.	2.236	34.644	2.096	27.679
2493.	1.870	34.669	1.693	27.730
2738.	1.826	34.672	1.627	27.738
2991.	1.728	34.677	1.507	27.750
3241.	1.593	34.685	1.351	27.768
3493.	1.511	34.689	1.245	27.779
3797.	1.474	34.693	1.178	27.787

CAST EP4-88-OC -006 LAT 05 02.3N LONG 110 00.1W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
2.	25.944	33.679	25.944	22.056
8.	25.941	33.681	25.939	22.059
17.	25.911	33.691	25.907	22.077
37.	25.541	33.760	25.533	22.244
57.	24.273	34.059	24.261	22.854
76.	21.539	34.442	21.524	23.927
97.	19.836	34.711	19.818	24.590
121.	15.003	34.795	14.985	25.818
147.	13.006	34.858	12.986	26.286
196.	11.697	34.779	11.672	26.480
247.	11.040	34.746	11.010	26.576
298.	10.169	34.707	10.134	26.701

CAST EP4-88-OC -007 LAT 03 59.6N LONG 110 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	26.018	33.718	26.018	22.063
18.	26.013	33.713	26.009	22.062
37.	24.464	34.047	24.456	22.786
57.	23.601	34.177	23.589	23.141
76.	21.885	34.533	21.870	23.901
97.	16.930	34.792	16.914	25.376
121.	13.736	34.915	13.719	26.181
145.	13.209	34.893	13.189	26.273
196.	12.502	34.867	12.476	26.394
295.	11.031	34.754	10.995	26.585
494.	7.998	34.620	7.947	26.984
996.	4.573	34.561	4.493	27.384

CAST EP4-88-OC -008 LAT 03 00.0N LONG 110 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	24.795	33.899	24.795	22.573
18.	24.799	33.898	24.795	22.572
37.	24.790	33.927	24.782	22.598
57.	21.765	34.462	21.754	23.879
77.	19.361	34.756	19.347	24.747
97.	15.062	34.939	15.047	25.915
122.	13.919	34.933	13.902	26.157
146.	13.585	34.935	13.564	26.228
198.	12.918	34.896	12.891	26.335
296.	11.220	34.774	11.183	26.567
495.	7.677	34.603	7.627	27.017
998.	4.685	34.558	4.604	27.370

CAST EP4-88-OC -009 LAT 02 00.5N LONG 110 08.9W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
57.	16.295	34.876	16.286	25.587
495.	8.184	34.636	8.133	26.968
994.	4.542	34.564	4.463	27.390
1493.	3.082	34.613	2.974	27.579
1990.	2.329	34.643	2.188	27.671
2491.	1.814	34.671	1.638	27.736
2992.	1.681	34.677	1.461	27.754
3242.	1.585	34.681	1.343	27.766
3492.	1.506	34.689	1.240	27.779
3724.	1.483	34.691	1.194	27.784
3792.	1.486	34.691	1.190	27.784

CAST EP4-88-OC -010 LAT 01 57.6N LONG 110 06.3W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	24.225	34.068	24.225	22.871
8.	24.213	34.066	24.211	22.874
17.	24.213	34.066	24.209	22.874
36.	22.929	34.283	22.922	23.414
57.	15.612	34.907	15.603	25.767
77.	14.050	34.954	14.039	26.144
96.	13.571	34.936	13.557	26.231
122.	12.942	34.904	12.925	26.334
146.	12.674	34.890	12.654	26.377
196.	12.404	34.876	12.378	26.420
246.	11.987	34.841	11.955	26.475
298.	10.614	34.750	10.578	26.657

CAST EP4-88-OC -011 LAT 01 29.7N LONG 110 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	23.921	34.119	23.921	23.000
18.	23.915	34.115	23.911	22.999
37.	19.689	33.978	19.682	24.066
58.	16.035	34.891	16.026	25.659
77.	13.961	34.955	13.950	26.164
96.	13.484	34.928	13.471	26.242
122.	12.910	34.903	12.893	26.340
147.	12.608	34.888	12.588	26.389
198.	12.533	34.884	12.507	26.402
296.	11.655	34.820	11.617	26.522
495.	8.162	34.635	8.111	26.971
1006.	4.393	34.564	4.314	27.406

CAST EP4-88-OC -012 LAT 00 59.6N LONG 110 00.7W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	23.646	34.145	23.646	23.100
17.	23.625	34.143	23.621	23.105
37.	18.324	34.736	18.318	24.992
57.	16.146	34.890	16.137	25.632
77.	13.800	34.948	13.789	26.192
97.	13.046	34.911	13.033	26.318
121.	12.784	34.895	12.768	26.359
146.	12.719	34.892	12.699	26.370
196.	12.438	34.877	12.412	26.415
294.	11.552	34.811	11.514	26.534
495.	8.217	34.635	8.165	26.963

CAST EP4-88-OC -013 LAT 00 29.6N LONG 110 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	21.841	34.405	21.841	23.812
18.	21.415	34.481	21.412	23.988
37.	17.462	34.797	17.456	25.250
58.	15.042	34.943	15.033	25.921
77.	13.796	34.937	13.785	26.184
96.	13.479	34.915	13.466	26.233
121.	13.267	34.904	13.250	26.269
146.	13.256	34.903	13.236	26.271
195.	12.836	34.896	12.809	26.351
294.	11.585	34.816	11.547	26.532
495.	7.914	34.623	7.864	26.998
996.	4.465	34.560	4.386	27.395

CAST EP4-88-OC -014 LAT 00 30.1S LONG 110 00.7W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
2.	20.337	34.610	20.337	24.377
18.	18.674	34.745	18.671	24.911
37.	14.736	34.875	14.730	25.935
59.	14.403	34.957	14.394	26.071
78.	14.156	34.967	14.145	26.132
98.	13.851	34.950	13.837	26.183
120.	13.481	34.933	13.464	26.247
146.	13.276	34.923	13.256	26.282
196.	12.618	34.891	12.592	26.390
297.	10.817	34.778	10.781	26.643
495.	7.714	34.614	7.664	27.021
998.	4.368	34.580	4.290	27.422

CAST EP4-88-OC -015 LAT 00 01.3S LONG 110 10.0W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
55.	14.118	34.869	14.110	26.063
495.	7.703	34.614	7.653	27.022
997.	4.453	34.562	4.374	27.398
1491.	3.072	34.606	2.964	27.574
1991.	2.271	34.646	2.131	27.678
2492.	1.900	34.664	1.722	27.724
2991.	1.699	34.677	1.479	27.753
3233.	1.586	34.683	1.345	27.767
3492.	1.537	34.689	1.271	27.777
3591.	1.466	34.693	1.191	27.786
3694.	1.450	34.694	1.165	27.788

CAST EP4-88-OC -016 LAT 00 00.6S LONG 110 11.3W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	20.164	34.599	20.164	24.414
7.	19.964	34.610	19.963	24.475
18.	18.771	34.690	18.768	24.844
37.	16.751	34.845	16.745	25.456
57.	14.227	34.885	14.219	26.053
77.	13.935	34.863	13.924	26.098
97.	13.670	34.871	13.656	26.160
122.	13.398	34.892	13.381	26.233
146.	13.406	34.916	13.386	26.250
196.	12.729	34.895	12.702	26.371
246.	12.111	34.859	12.079	26.465
298.	10.882	34.780	10.845	26.633

CAST EP4-88-OC -017 LAT 01 00.4S LONG 109 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
2.	20.166	34.666	20.166	24.465
17.	19.067	34.722	19.064	24.794
37.	17.164	34.873	17.158	25.380
58.	15.149	35.136	15.140	26.047
78.	14.039	35.010	14.028	26.190
97.	13.505	34.943	13.491	26.250
121.	13.234	34.928	13.217	26.294
146.	12.985	34.908	12.965	26.329
196.	12.614	34.895	12.588	26.394
295.	11.050	34.794	11.013	26.613
496.	7.793	34.618	7.743	27.012
996.	4.351	34.562	4.273	27.409

CAST EP4-88-OC -018 LAT 01 29.4S LONG 109 58.7W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	20.351	34.840	20.351	24.548
18.	19.961	34.816	19.958	24.634
37.	18.842	34.925	18.835	25.007
57.	15.985	35.210	15.976	25.916
77.	13.942	35.029	13.931	26.225
97.	13.136	34.928	13.123	26.313
122.	12.930	34.907	12.913	26.339
146.	12.705	34.893	12.685	26.373
196.	12.253	34.871	12.227	26.446
296.	11.138	34.805	11.101	26.606
495.	8.051	34.629	8.000	26.983

CAST EP4-88-OC -019 LAT 04 58.5S LONG 109 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	22.462	34.951	22.462	24.052
8.	22.456	34.952	22.454	24.055
18.	22.449	34.950	22.445	24.056
37.	22.152	34.978	22.145	24.162
58.	18.699	35.484	18.689	25.472
78.	15.081	35.115	15.069	26.046
96.	13.468	34.950	13.455	26.263
123.	13.082	34.927	13.065	26.324
146.	12.872	34.914	12.852	26.356
198.	12.477	34.886	12.451	26.414
247.	12.308	34.878	12.275	26.442
296.	11.874	34.858	11.836	26.511

CAST EP4-88-OC -020 LAT 05 00.6S LONG 109 57.6W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
27.	22.453	34.952	22.448	24.057
494.	8.700	34.672	8.647	26.918
1002.	4.487	34.547	4.407	27.383
1491.	3.041	34.602	2.933	27.574
1741.	2.554	34.624	2.431	27.635
1991.	2.309	34.639	2.169	27.669
2241.	2.123	34.652	1.964	27.696
2487.	1.922	34.662	1.744	27.721
2743.	1.797	34.673	1.598	27.741
2997.	1.708	34.677	1.487	27.752
3244.	1.584	34.684	1.342	27.768

CAST EP4-88-OC -021 LAT 04 00.2S LONG 110 04.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	21.843	34.969	21.843	24.240
17.	21.833	34.968	21.830	24.243
36.	21.722	34.969	21.715	24.275
57.	15.619	34.992	15.610	25.831
77.	14.431	34.979	14.420	26.082
97.	13.720	34.960	13.706	26.218
122.	13.020	34.922	13.003	26.332
145.	12.829	34.907	12.809	26.360
197.	12.672	34.897	12.645	26.384
295.	11.936	34.868	11.898	26.507
495.	8.389	34.655	8.337	26.952
994.	4.548	34.546	4.469	27.375

CAST EP4-88-OC -022 LAT 02 59.9S LONG 110 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	21.488	35.022	21.488	24.378
18.	21.259	35.014	21.256	24.436
37.	16.967	34.982	16.961	25.511
58.	14.029	34.976	14.021	26.165
77.	13.829	34.966	13.818	26.200
97.	13.467	34.948	13.453	26.261
122.	13.039	34.925	13.022	26.331
147.	12.843	34.907	12.823	26.357
196.	12.559	34.897	12.533	26.406
298.	11.667	34.845	11.629	26.539
498.	8.089	34.632	8.038	26.979
998.	4.627	34.558	4.547	27.376

CAST EP4-88-OC -023 LAT 02 01.6S LONG 110 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
27.	19.752	34.951	19.747	24.792
495.	8.135	34.630	8.084	26.971
993.	4.599	34.555	4.519	27.377
1493.	3.230	34.600	3.120	27.555
1994.	2.384	34.640	2.242	27.664
2492.	1.928	34.662	1.750	27.720
2742.	1.777	34.669	1.579	27.739
2992.	1.625	34.677	1.406	27.758
3241.	1.580	34.681	1.338	27.766
3492.	1.509	34.687	1.243	27.777
3794.	1.457	34.692	1.161	27.787

CAST EP4-88-OC -024 LAT 02 02.7S LONG 109 58.6W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	20.947	34.927	20.947	24.454
7.	20.877	34.923	20.876	24.470
18.	20.232	34.906	20.229	24.631
37.	17.927	35.035	17.921	25.319
56.	14.772	35.047	14.764	26.061
77.	13.649	34.980	13.638	26.248
97.	13.084	34.929	13.071	26.324
97.	13.084	34.939	13.071	26.332
121.	12.762	34.895	12.746	26.363
147.	12.671	34.891	12.651	26.379
196.	12.395	34.877	12.369	26.423
247.	12.040	34.856	12.017	26.475

CAST EP4-88-OC -025 LAT 00 59.1N LONG 113 01.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
495.	8.297	34.641*	8.245*	26.955*
994.	4.594	34.554*	4.514*	27.377*
1491.	3.054	34.607*	2.946*	27.576*
1993.	2.282	34.643*	2.142*	27.674*
2495.	1.827	34.668*	1.650*	27.733*
2741.	1.750	34.675*	1.552*	27.746*
2992.	1.685	34.677*	1.465*	27.754*
3240.	1.603	34.681*	1.360*	27.764*
3493.	1.510	34.689*	1.244*	27.779*
3781.	1.456	34.694*	1.162*	27.789*
3780.	1.456	34.694*	1.162*	27.789*

CAST EP4-88-OC -026 LAT 00 00.1S LONG 114 58.6W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
28.	18.278	34.787*	18.273*	25.042*
499.	7.952	34.626*	7.901*	26.995*
995.	4.659	34.556*	4.579*	27.371*
1494.	3.065	34.605*	2.957*	27.574*
1992.	2.265	34.645*	2.125*	27.677*
2491.	1.844	34.668*	1.667*	27.731*
2992.	1.671	34.677*	1.451*	27.755*
3242.	1.588	34.683*	1.346*	27.767*
3492.	1.519	34.690*	1.253*	27.779*
3742.	1.436	34.694*	1.146*	27.790*
3917.	1.449	34.695*	1.140*	27.791*

CAST EP4-88-OC -027 LAT 00 00.7S LONG 114 58.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	19.644	34.730*	19.644*	24.650*
8.	19.469	34.719*	19.468*	24.688*
17.	19.015	34.747*	19.012*	24.826*
37.	16.641	34.832*	16.635*	25.472*
56.	14.527	34.878*	14.519*	25.983*
77.	13.993	34.896*	13.982*	26.111*
97.	13.253	34.905*	13.240*	26.272*
121.	13.199	34.923*	13.182*	26.297*
148.	13.026	34.909*	13.006*	26.322*
197.	12.490	34.884*	12.464*	26.410*
246.	11.660	34.838*	11.628*	26.534*
297.	10.976	34.779*	10.939*	26.615*

* Calculated from CTD values

CAST EP4-88-OC -028 LAT 00 00.0N LONG 120 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
27.	19.791	34.809	19.786	24.673
496.	8.018	34.620	7.967	26.981
993.	4.675	34.557	4.595	27.370
1493.	3.129	34.602	3.020	27.566
1992.	2.387	34.640	2.245	27.663
2491.	1.912	34.663	1.734	27.722
2992.	1.694	34.677	1.474	27.753
3242.	1.594	34.681	1.352	27.765
3492.	1.527	34.687	1.261	27.776
3741.	1.428	34.700	1.139	27.795
4044.	1.446	34.701	1.124	27.797

CAST EP4-88-OC -029 LAT 00 00.3S LONG 120 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	22.159	34.522	22.159	23.812
7.	22.050	34.530	22.049	23.849
16.	21.538	34.590	21.535	24.037
37.	16.941	34.809	16.935	25.384
58.	14.354	34.799	14.346	25.959
77.	13.797	34.838	13.786	26.107
98.	13.379	34.857	13.365	26.209
121.	12.814	34.876	12.798	26.338
146.	12.740	34.878	12.720	26.355
197.	12.542	34.878	12.516	26.395
242.	11.909	34.846	11.878	26.493
297.	11.151	34.803	11.114	26.602

CAST EP4-88-OC -030 LAT 00 07.0N LONG 124 25.6W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
27.	18.579	34.697	18.574	24.898
495.	8.149	34.633	8.098	26.971
994.	4.654	34.556	4.574	27.372
1492.	3.222	34.598	3.112	27.554
1995.	2.431	34.636	2.288	27.657
2492.	1.907	34.664	1.729	27.724
2992.	1.724	34.674	1.503	27.748
3492.	1.526	34.688	1.260	27.777
3742.	1.430	34.693	1.140	27.789
3990.	1.437	34.694	1.121	27.791
4393.	1.482	34.694	1.120	27.791

CAST EP4-88-OC -031 LAT 00 07.1N LONG 124 26.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
2.	21.617	34.517	21.617	23.959
7.	20.911	34.554	20.910	24.180
17.	19.881	34.614	19.878	24.501
38.	16.554	34.795	16.548	25.464
57.	13.971	34.807	13.963	26.046
77.	13.773	34.815	13.762	26.095
97.	13.546	34.850	13.532	26.169
123.	15.368	34.898	15.349	25.817
146.	13.388	34.883	13.368	26.228
196.	12.507	34.874	12.481	26.399
247.	12.048	34.852	12.016	26.472
297.	11.197	34.800	11.160	26.591

CAST EP4-88-OC -032 LAT 00 00.4N LONG 129 59.5W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
27.	19.434	34.893	19.429	24.830
496.	7.934	34.619	7.883	26.992
994.	4.741	34.552	4.660	27.359
1492.	3.140	34.595	3.031	27.559
1992.	2.312	34.637	2.171	27.667
2492.	1.904	34.658	1.726	27.719
2992.	1.705	34.674	1.484	27.750
3241.	1.625	34.678	1.382	27.760
3492.	1.526	34.686	1.260	27.775
3742.	1.410	34.693	1.121	27.791
3993.	1.429	34.694	1.113	27.792

CAST EP4-88-OC -033 LAT 00 01.4N LONG 129 57.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	20.642	34.877	20.642	24.498
8.	20.610	34.876	20.609	24.507
17.	20.039	34.886	20.036	24.667
37.	18.606	34.900	18.599	25.047
56.	17.285	34.890	17.276	25.365
77.	14.112	34.793	14.101	26.007
97.	13.617	34.783	13.603	26.103
121.	12.997	34.803	12.980	26.245
147.	12.820	34.848	12.800	26.316
197.	12.252	34.849	12.226	26.429
246.	11.809	34.833	11.777	26.502
296.	10.913	34.770	10.877	26.619

CAST EP4-88-OC -034 LAT 00 00.6S LONG 134 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
25.	20.347	34.851	20.342	24.559
496.	8.080	34.627	8.029	26.977
993.	4.583	34.556	4.503	27.379
1493.	3.002	34.606	2.895	27.580
1992.	2.410	34.634	2.268	27.657
2492.	1.898	34.662	1.720	27.723
2992.	1.677	34.674	1.457	27.752
3240.	1.651	34.676	1.407	27.757
3491.	1.516	34.686	1.250	27.776
3741.	1.417	34.692	1.128	27.789
4194.	1.441	34.693	1.102	27.792

CAST EP4-88-OC -035 LAT 00 00.5S LONG 135 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	21.773	34.736	21.773	24.082
8.	21.702	34.747	21.701	24.110
17.	20.969	34.792	20.966	24.346
37.	19.744	35.062	19.737	24.879
56.	18.214	35.092	18.204	25.293
78.	15.257	35.039	15.245	25.949
96.	14.517	34.962	14.503	26.052
121.	14.011	34.941	13.994	26.144
147.	13.061	34.883	13.041	26.295
196.	12.835	34.889	12.808	26.346
245.	11.965	34.837	11.933	26.476
302.	10.949	34.790	10.912	26.628

CAST EP4-88-OC -036 LAT 00 02.4N LONG 139 58.5W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
28.	18.521	35.039	18.516	25.175
495.	8.526	34.650	8.473	26.927
997.	4.937	34.550	4.854	27.335
1493.	3.264	34.595	3.154	27.548
1995.	2.383	34.636	2.241	27.661
2493.	1.921	34.662	1.743	27.721
2992.	1.673	34.675	1.453	27.753
3241.	1.587	34.681	1.345	27.765
3492.	1.518	34.685	1.252	27.775
3742.	1.428	34.693	1.139	27.789
4017.	1.416	34.695	1.097	27.794

CAST EP4-88-OC -037 LAT 00 01.9N LONG 139 56.8W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	20.703	35.069	20.703	24.628
7.	20.203	35.062	20.202	24.757
17.	19.503	35.054	19.500	24.935
37.	17.942	35.034	17.936	25.315
57.	15.579	34.980	15.570	25.831
78.	14.957	34.986	14.945	25.974
98.	13.762	34.818	13.748	26.100
121.	13.545	34.870	13.528	26.186
148.	13.179	34.827	13.158	26.228
197.	12.303	34.830	12.277	26.404
247.	11.622	34.824	11.590	26.530
297.	11.470	34.818	11.432	26.555

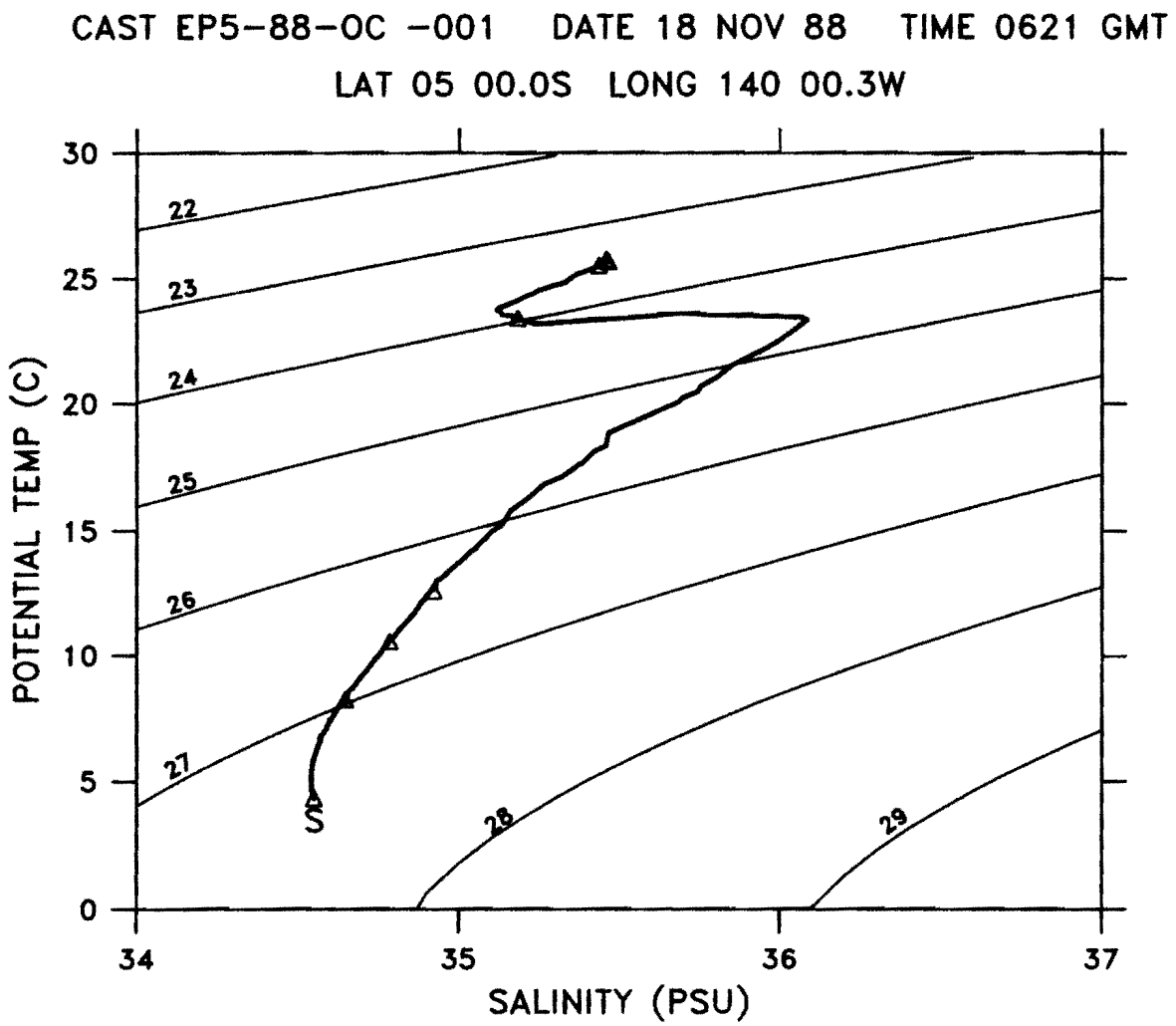
CAST EP4-88-OC -038 LAT 00 01.6S LONG 142 59.5W

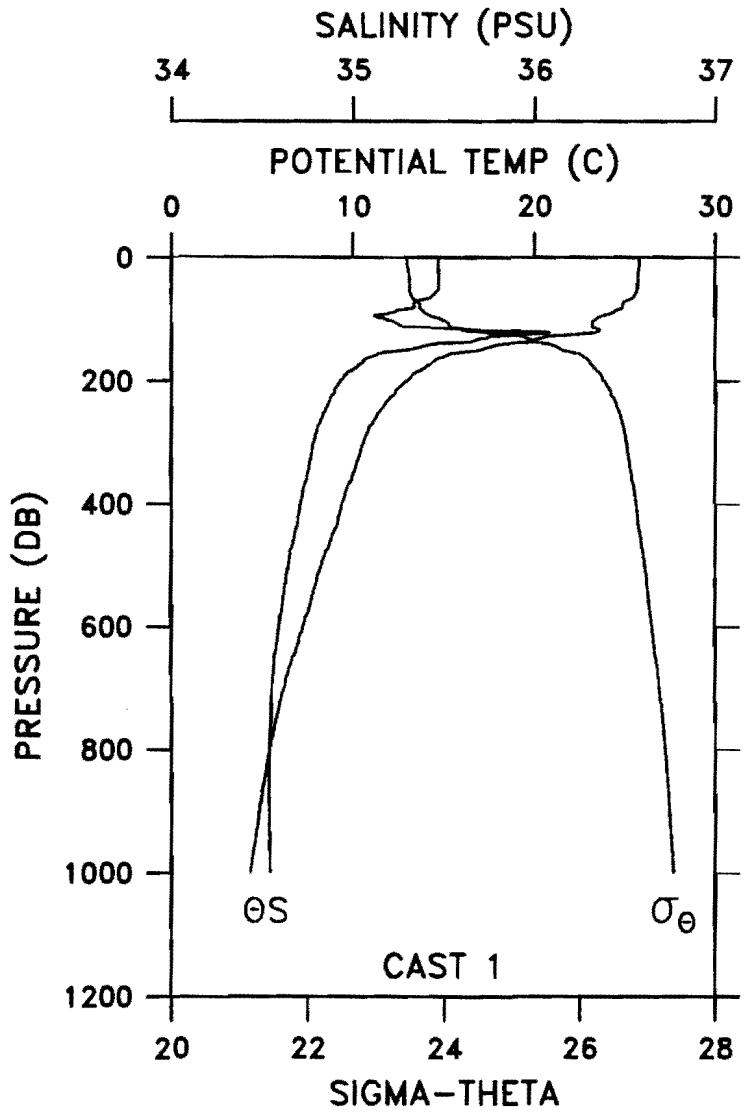
PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
2.	20.671	34.870	20.671	24.485
16.	20.145	34.881	20.142	24.635
37.	19.515	34.929	19.508	24.837
56.	17.536	34.976	17.527	25.370
77.	16.466	35.004	16.454	25.647
96.	14.732	34.998	14.718	26.033
122.	13.643	34.895	13.626	26.185
147.	13.379	34.920	13.358	26.259
196.	12.605	34.833	12.579	26.348
294.	11.412	34.811	11.375	26.560
496.	8.399	34.643	8.347	26.941
1002.	4.712	34.552	4.631	27.362

EP5-88-OC

November 14–December 11, 1988

CTD and Hydrographic Data Summary


CAST EP5-88-OC -001 DATE 18 NOV 88 TIME 0621 GMT
LAT 05 00.0S LONG 140 00.3W
POTENTIAL TEMP (C)
SALINITY (PSU)
30
25
20
15
10
5
0
34
35
36
37
22
23
24
25
26
27
28
29
S

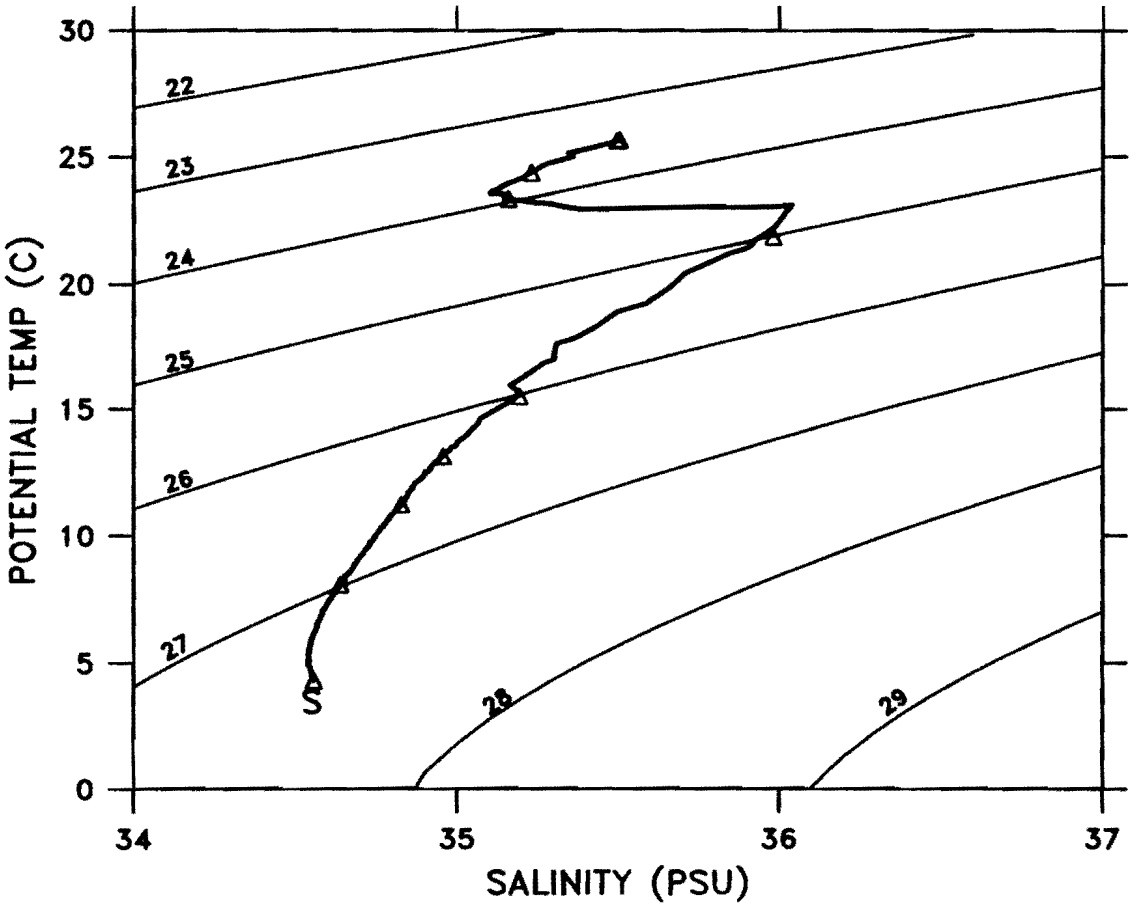


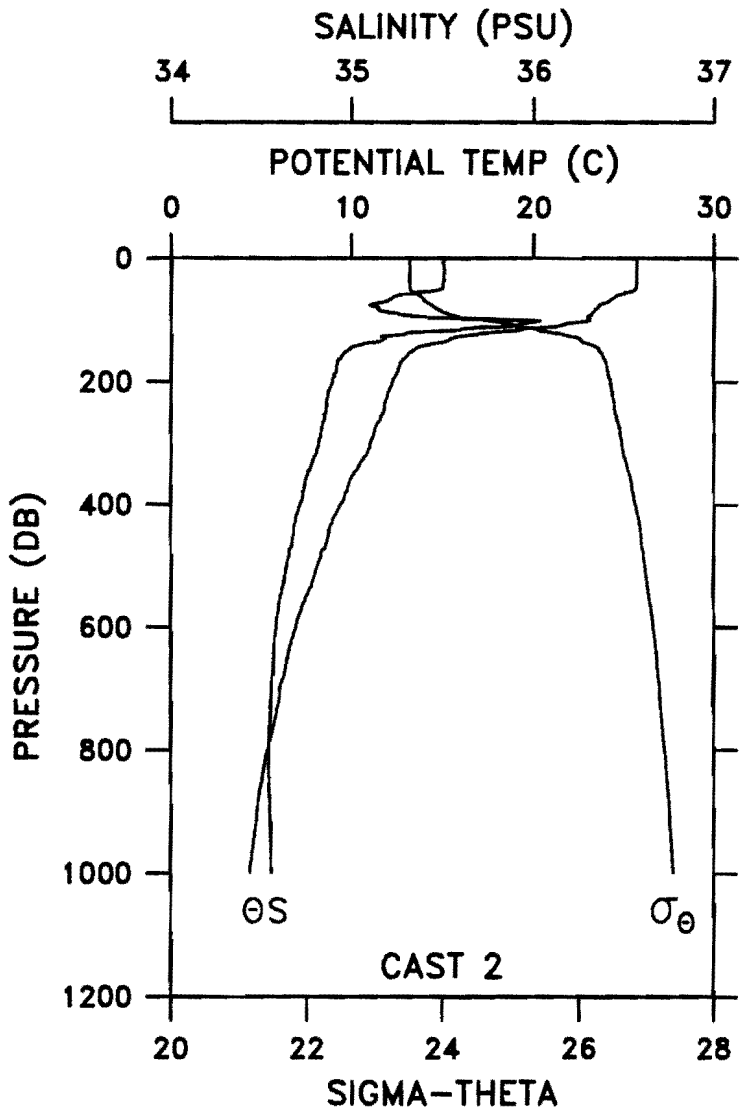
CAST EP5-88-OC -001 DATE 18 NOV 88 TIME 0621 GMT
LAT 05 00.0S LONG 140 00.3W WEATHER 2 SEA STATE 4
BAROMETER 15 WIND DIR 095 T SPD 15 KT VISIBILITY 8
CLOUD 9 AMOUNT 8 DRY 24.8 WET 23.0 DEPTH 4292 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.791	35.465	23.451	0.000
10	25.792	35.465	23.450	0.044
20	25.749	35.467	23.466	0.089
30	25.703	35.469	23.481	0.133
40	25.693	35.469	23.485	0.177
50	25.680	35.469	23.488	0.221
60	25.552	35.443	23.509	0.265
70	25.053	35.351	23.592	0.309
80	24.854	35.333	23.639	0.352
90	24.286	35.206	23.714	0.394
100	23.399	35.176	23.953	0.435
110	23.192	35.256	24.074	0.474
120	23.505	35.920	24.486	0.512
130	20.467	35.744	25.207	0.543
140	18.326	35.458	25.543	0.570
150	16.985	35.294	25.745	0.594
160	15.071	35.114	26.045	0.615
170	14.345	35.054	26.156	0.634
180	13.922	35.017	26.218	0.653
190	13.267	34.959	26.308	0.671
200	12.895	34.925	26.356	0.688
250	11.458	34.844	26.571	0.769
300	10.554	34.784	26.687	0.842
350	10.016	34.749	26.754	0.911
400	9.397	34.712	26.828	0.978
450	8.868	34.681	26.889	1.042
500	8.260	34.646	26.957	1.102
550	7.768	34.617	27.008	1.161
600	7.255	34.593	27.063	1.217
650	6.681	34.569	27.123	1.270
700	6.231	34.558	27.174	1.320
750	5.780	34.546	27.222	1.369
800	5.442	34.542	27.260	1.415
900	4.845	34.541	27.330	1.502
1000	4.367	34.548	27.388	1.584
1007	4.338	34.548	27.391	1.589

CAST EP5-88-OC -002 DATE 18 NOV 88 TIME 1151 GMT

LAT 03 59.0S LONG 140 00.7W



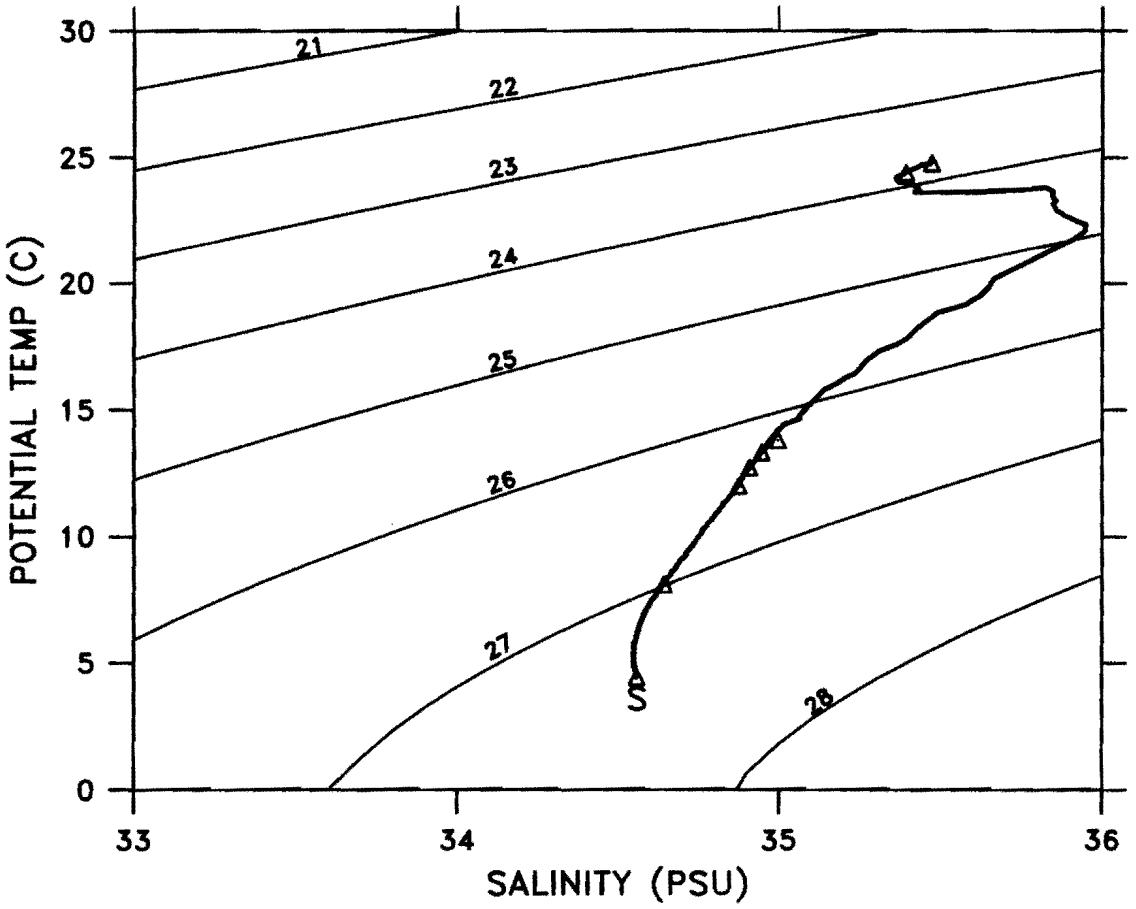


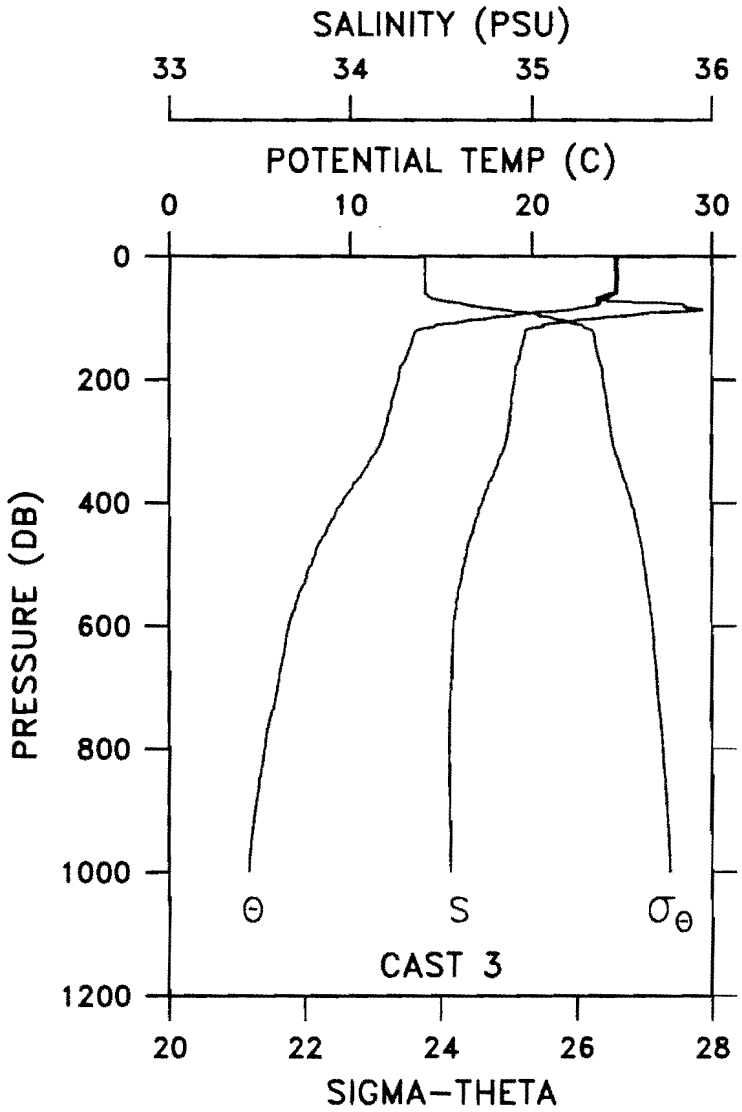
CAST EP5-88-OC -002 DATE 18 NOV 88 TIME 1151 GMT
LAT 03 59.0S LONG 140 00.7W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 080 T SPD 16 KT VISIBILITY 7
CLOUD X AMOUNT 4 DRY 24.6 WET 23.3 DEPTH 4493 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.669	35.509	23.522	0.000
10	25.668	35.508	23.522	0.044
20	25.666	35.509	23.523	0.087
30	25.667	35.507	23.521	0.131
40	25.658	35.504	23.522	0.175
50	25.615	35.495	23.529	0.218
60	24.592	35.257	23.661	0.262
70	24.091	35.187	23.758	0.304
80	23.530	35.151	23.896	0.345
90	23.186	35.258	24.077	0.384
100	23.029	35.949	24.647	0.421
110	21.327	35.878	25.074	0.452
120	17.794	35.361	25.601	0.478
130	15.509	35.185	26.002	0.501
140	14.256	35.051	26.173	0.520
150	13.389	34.978	26.297	0.538
160	13.013	34.944	26.348	0.556
170	12.698	34.920	26.392	0.573
180	12.605	34.916	26.407	0.589
190	12.460	34.904	26.426	0.606
200	12.285	34.893	26.452	0.622
250	11.780	34.856	26.519	0.702
300	11.051	34.817	26.624	0.778
350	10.153	34.758	26.737	0.850
400	9.396	34.714	26.830	0.917
450	8.718	34.674	26.908	0.979
500	8.096	34.639	26.976	1.039
550	7.460	34.603	27.041	1.096
600	6.909	34.582	27.102	1.150
650	6.423	34.565	27.155	1.201
700	6.026	34.553	27.196	1.250
750	5.744	34.546	27.226	1.298
800	5.334	34.540	27.271	1.344
900	4.725	34.545	27.346	1.429
1000	4.322	34.554	27.398	1.510
1003	4.317	34.554	27.398	1.512

CAST EP5-88-OC -003 DATE 18 NOV 88 TIME 1723 GMT

LAT 02 59.8S LONG 139 59.9W



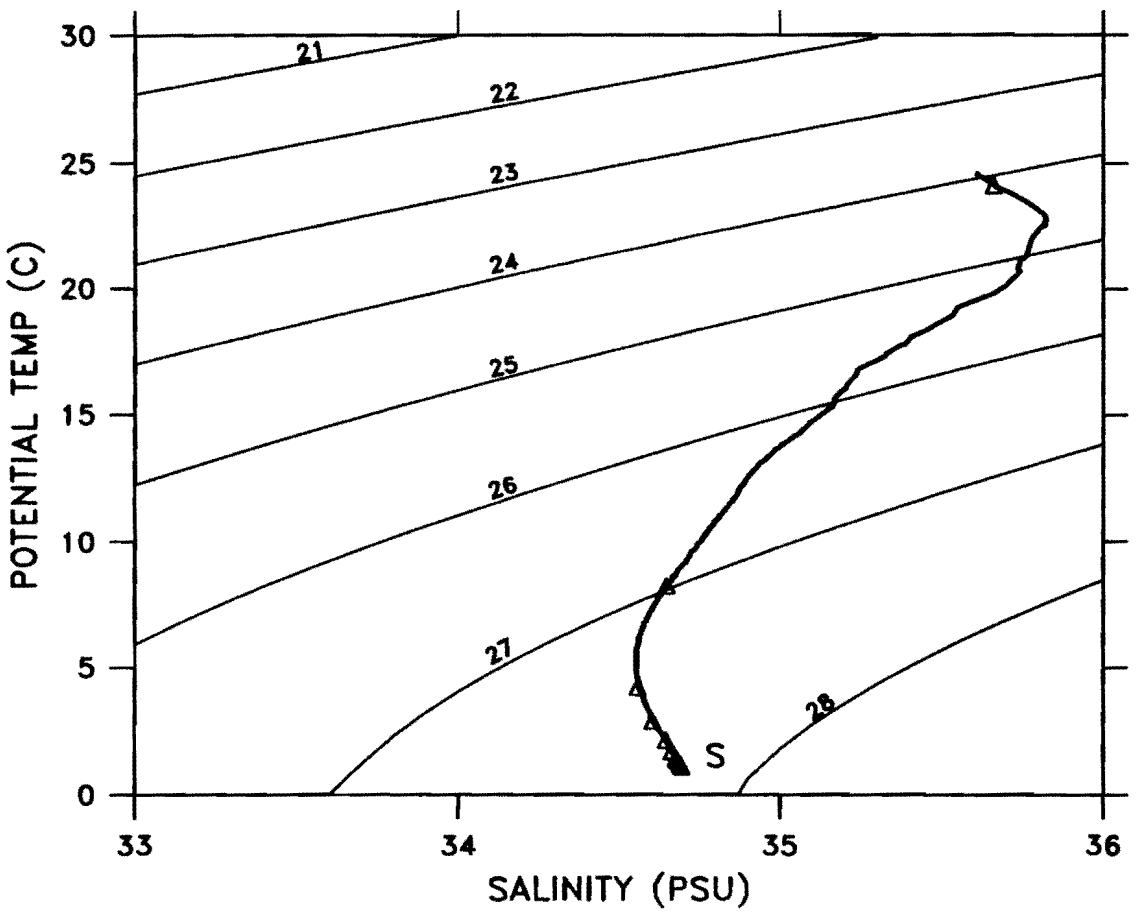


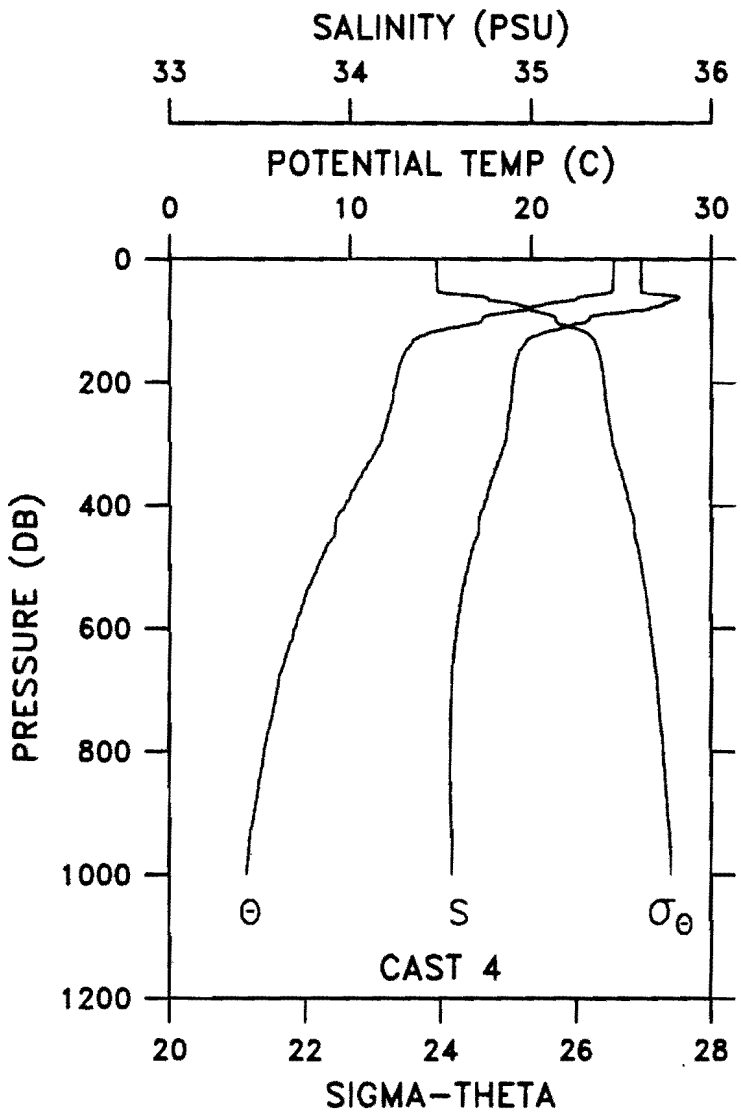
CAST EP5-88-OC -003 DATE 18 NOV 88 TIME 1723 GMT
LAT 02 59.8S LONG 139 59.9W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 095 T SPD 20 KT VISIBILITY 7
CLOUD 3 AMOUNT 2 DRY 24.0 WET 22.0 DEPTH 4444 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.742	35.465	23.773	0.000
10	24.765	35.463	23.765	0.041
20	24.765	35.464	23.765	0.083
30	24.767	35.466	23.766	0.124
40	24.770	35.466	23.765	0.165
50	24.767	35.466	23.766	0.207
60	24.705	35.440	23.765	0.248
70	23.984	35.395	23.947	0.289
80	23.448	35.844	24.446	0.327
90	21.198	35.828	25.072	0.359
100	17.708	35.386	25.641	0.384
110	15.137	35.090	26.012	0.407
120	13.692	34.966	26.226	0.426
130	13.491	34.958	26.261	0.444
140	13.410	34.951	26.272	0.462
150	13.282	34.940	26.290	0.479
160	13.174	34.936	26.309	0.497
170	13.024	34.924	26.330	0.514
180	12.761	34.910	26.371	0.531
190	12.721	34.907	26.377	0.548
200	12.664	34.904	26.386	0.565
250	12.233	34.882	26.453	0.648
300	11.741	34.857	26.528	0.728
350	10.711	34.793	26.667	0.804
400	9.588	34.729	26.810	0.873
450	8.670	34.675	26.917	0.936
500	7.906	34.631	26.998	0.995
550	7.184	34.593	27.073	1.050
600	6.655	34.574	27.130	1.102
650	6.354	34.564	27.163	1.153
700	6.023	34.558	27.201	1.201
750	5.623	34.549	27.244	1.248
800	5.315	34.549	27.281	1.293
900	4.781	34.553	27.346	1.379
1000	4.437	34.556	27.387	1.459
1009	4.430	34.558	27.389	1.466

CAST EP5-88-OC -004 DATE 19 NOV 88 TIME 0558 GMT

LAT 01 59.2S LONG 139 59.2W



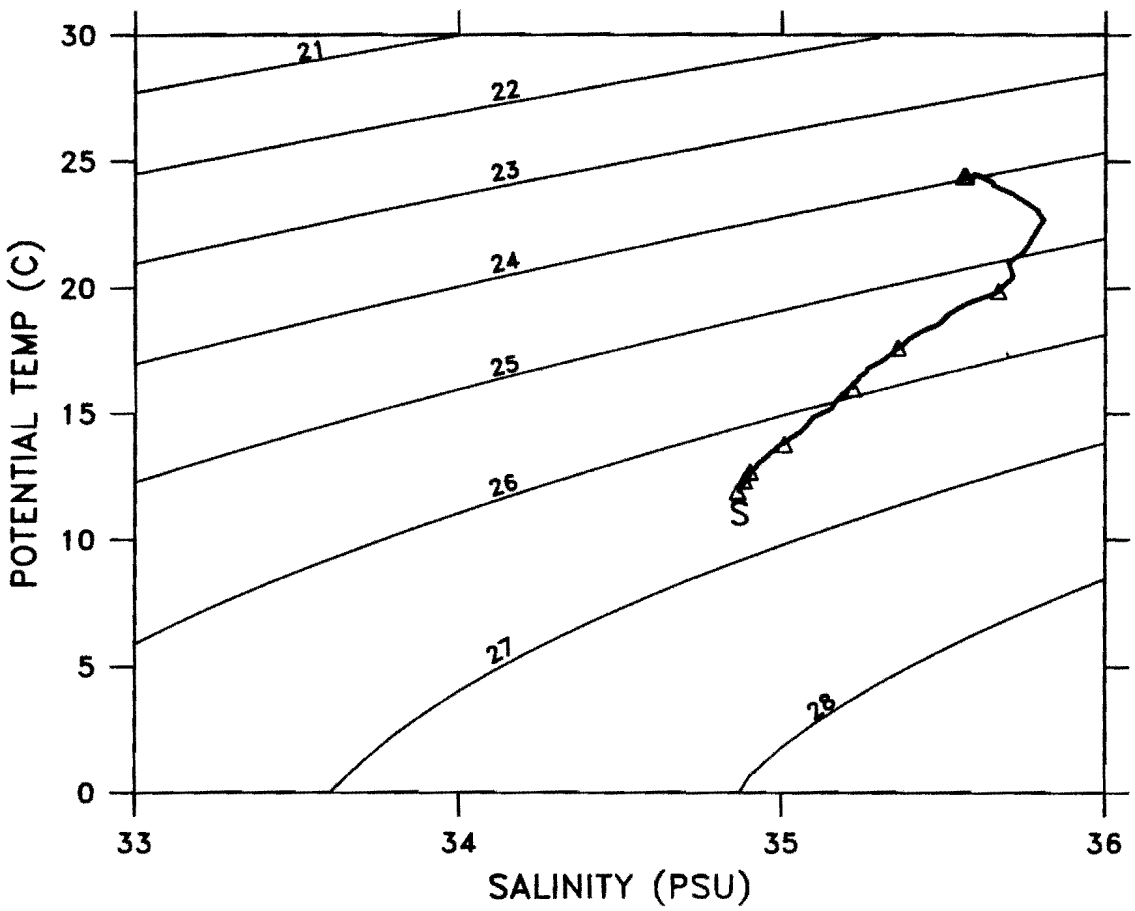


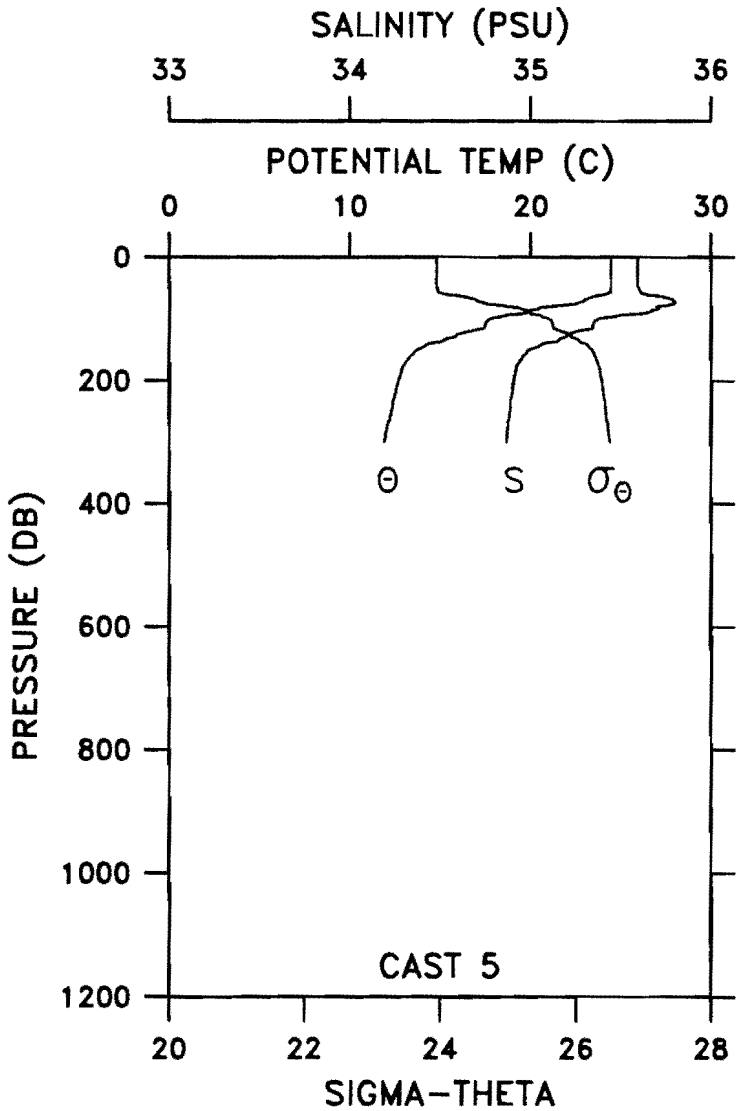
CAST EP5-88-OC -004 DATE 19 NOV 88 TIME 0558 GMT
LAT 01 59.2S LONG 139 59.2W WEATHER 2 SEA STATE 4
BAROMETER 14 WIND DIR 090 T SPD 20 KT VISIBILITY 8
CLOUD 9 AMOUNT 8 DRY 23.1 WET 21.6 DEPTH 4261 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.578	35.611	23.932	0.000
10	24.577	35.611	23.933	0.040
20	24.579	35.611	23.932	0.079
30	24.569	35.610	23.935	0.119
40	24.537	35.611	23.945	0.159
50	24.534	35.611	23.946	0.199
60	22.937	35.820	24.575	0.237
70	21.265	35.761	25.002	0.269
80	19.815	35.662	25.317	0.297
90	17.793	35.388	25.621	0.323
100	17.239	35.313	25.699	0.346
110	15.946	35.192	25.908	0.368
120	14.310	35.064	26.171	0.388
130	13.569	34.979	26.262	0.406
140	13.296	34.960	26.303	0.424
150	13.024	34.933	26.336	0.441
160	12.865	34.921	26.359	0.459
170	12.735	34.910	26.377	0.475
180	12.635	34.906	26.393	0.492
190	12.567	34.902	26.404	0.509
200	12.520	34.899	26.410	0.526
250	12.106	34.873	26.470	0.608
300	11.655	34.851	26.539	0.687
350	10.647	34.791	26.677	0.762
400	9.738	34.740	26.793	0.832
450	9.114	34.703	26.868	0.896
500	8.181	34.649	26.971	0.957
550	7.470	34.611	27.046	1.013
600	6.909	34.585	27.104	1.067
650	6.383	34.569	27.163	1.118
700	5.942	34.561	27.213	1.167
750	5.615	34.554	27.248	1.213
800	5.238	34.553	27.293	1.258
900	4.697	34.556	27.358	1.342
1000	4.261	34.563	27.411	1.420
1500	2.892	34.606	27.580	1.760
2000	2.156	34.645	27.675	2.039
2500	1.722	34.662	27.723	2.287
3000	1.418	34.677	27.757	2.518
3500	1.188	34.691	27.784	2.739
4000	1.088	34.696	27.795	2.952
4106	1.082	34.697	27.796	2.997

CAST EP5-88-OC -005 DATE 19 NOV 88 TIME 0903 GMT

LAT 01 58.4S LONG 139 57.1W



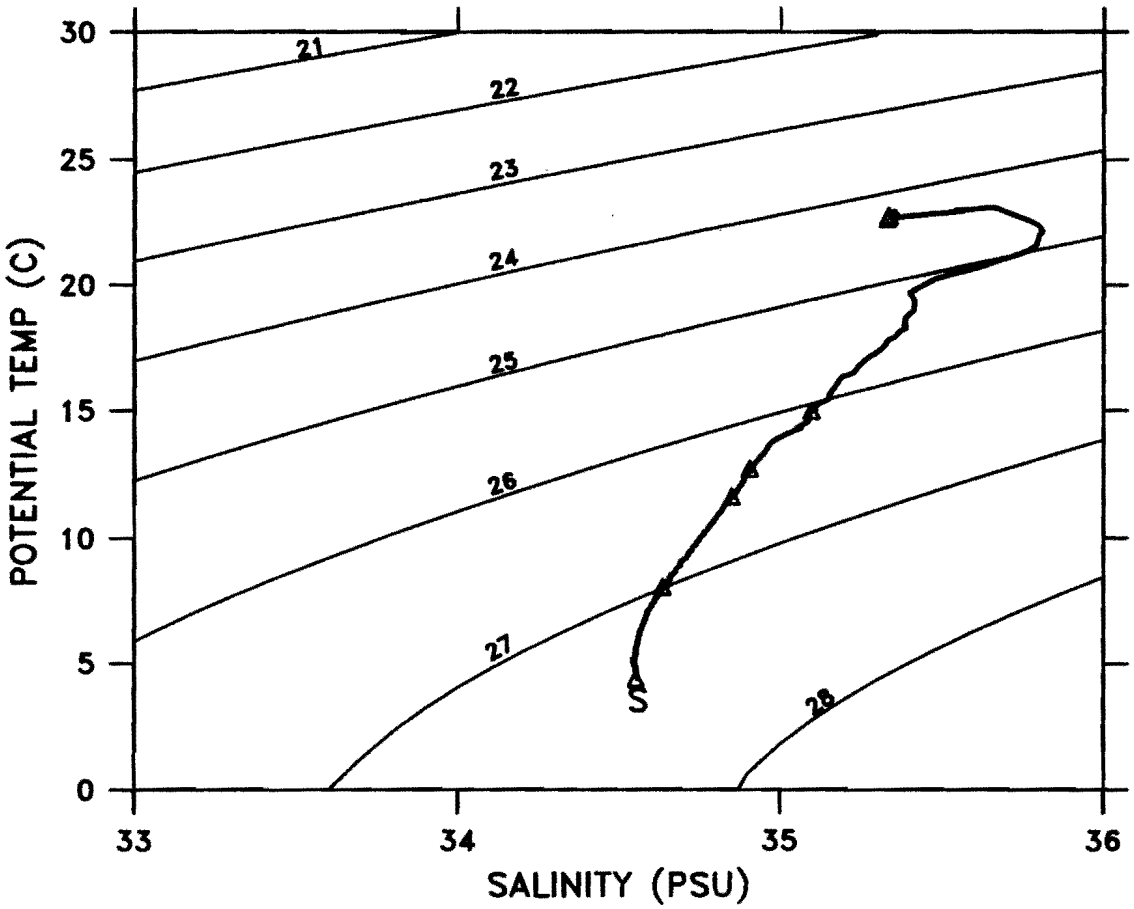


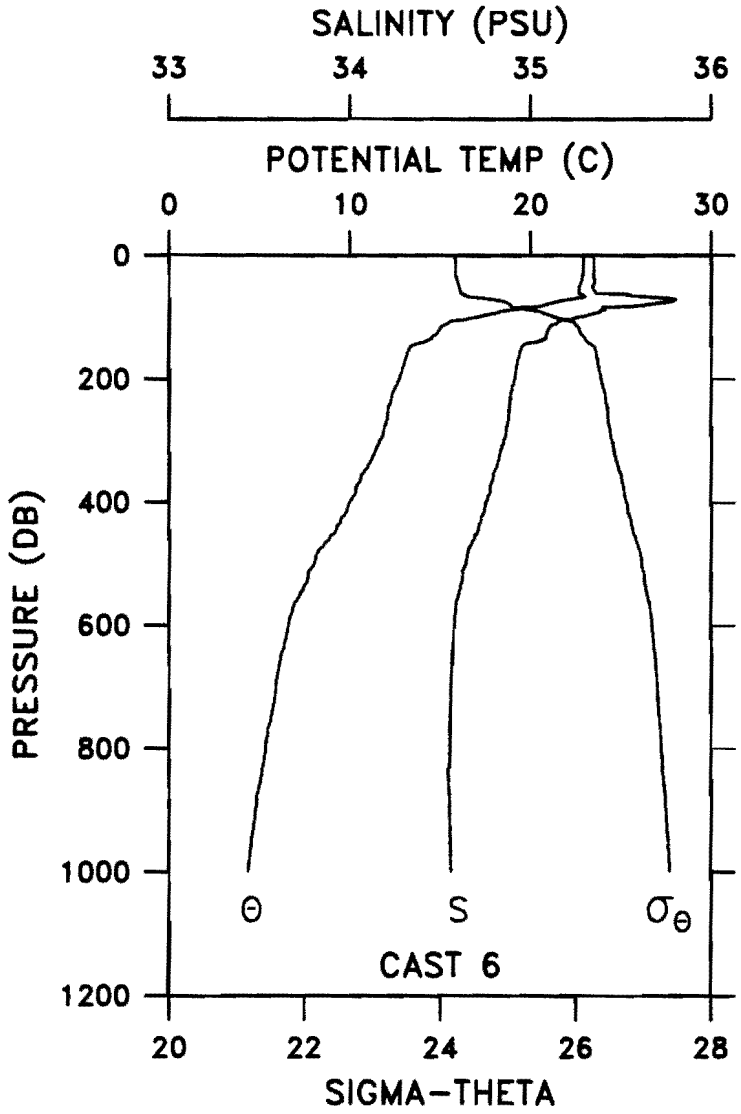
CAST EP5-88-OC -005 DATE 19 NOV 88 TIME 0903 GMT
LAT 01 58.4S LONG 139 57.1W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 095 T SPD 20 KT VISIBILITY 7
CLOUD X AMOUNT 2 DRY 23.0 WET 21.5 DEPTH 4261 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.484	35.597	23.951	0.000
10	24.477	35.595	23.951	0.039
20	24.475	35.596	23.953	0.079
30	24.474	35.595	23.952	0.119
40	24.475	35.594	23.951	0.158
50	24.471	35.602	23.958	0.198
60	24.155	35.653	24.091	0.237
70	23.003	35.791	24.535	0.273
80	21.020	35.701	25.023	0.305
90	19.767	35.653	25.322	0.333
100	17.794	35.376	25.612	0.358
110	17.503	35.345	25.659	0.382
120	16.673	35.262	25.794	0.405
130	15.673	35.180	25.962	0.427
140	14.367	35.066	26.161	0.447
150	13.716	34.991	26.240	0.465
160	13.356	34.959	26.290	0.483
170	13.117	34.939	26.322	0.501
180	12.895	34.923	26.355	0.518
190	12.802	34.913	26.366	0.535
200	12.687	34.908	26.385	0.552
250	12.297	34.888	26.446	0.635
300	11.900	34.869	26.507	0.716
300	11.900	34.869	26.507	0.716

CAST EP5-88-OC -006 DATE 19 NOV 88 TIME 1225 GMT

LAT 01 29.8S LONG 139 59.4W



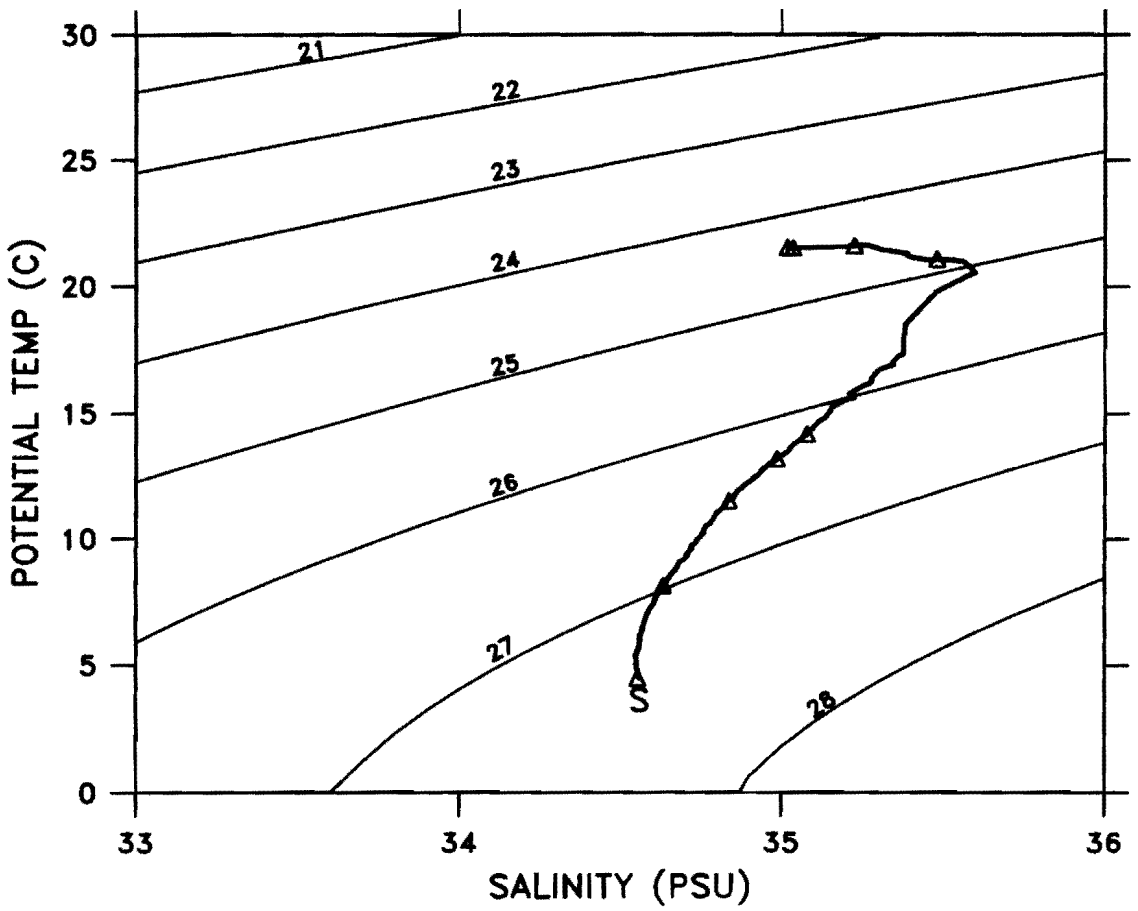


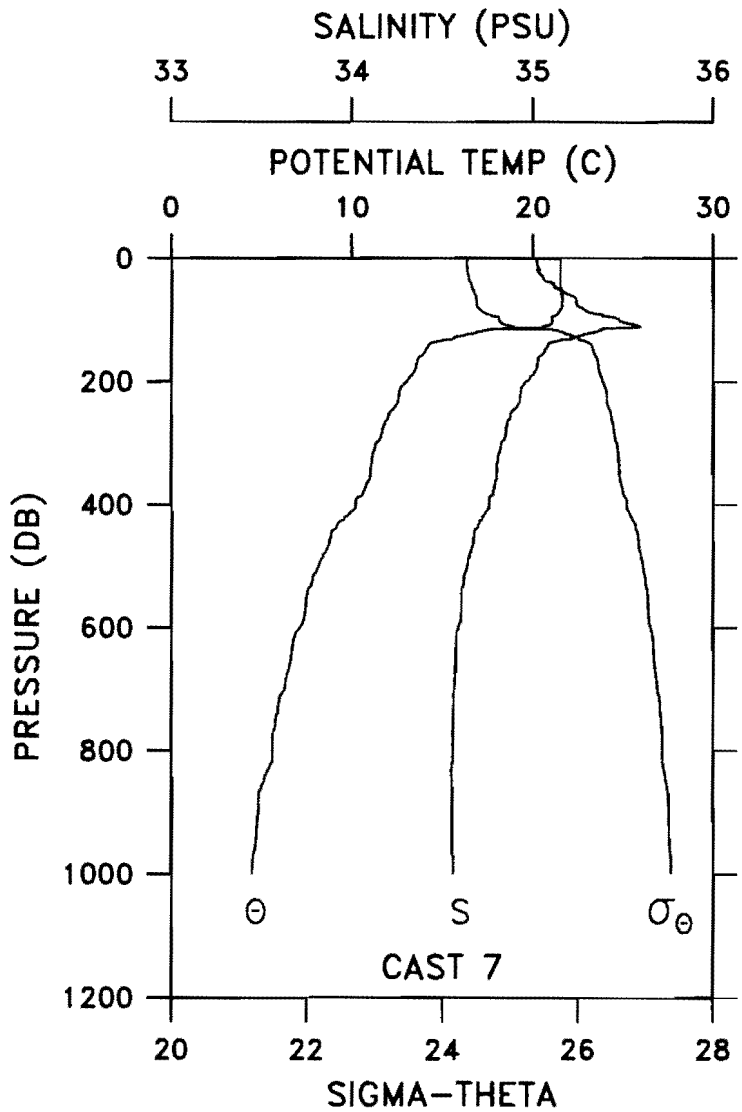
CAST EP5-88-OC -006 DATE 19 NOV 88 TIME 1225 GMT
LAT 01 29.8S LONG 139 59.4W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 090 T SPD 14 KT VISIBILITY 7
CLOUD X AMOUNT 1 DRY 22.0 WET 21.2 DEPTH 4279 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.950	35.354	24.218	0.000
10	22.941	35.353	24.220	0.037
20	22.941	35.353	24.220	0.074
30	22.919	35.352	24.225	0.111
40	22.856	35.360	24.250	0.148
50	22.715	35.344	24.278	0.184
60	22.706	35.369	24.300	0.221
70	22.365	35.801	24.725	0.256
80	20.788	35.639	25.039	0.287
90	18.408	35.384	25.465	0.315
100	16.988	35.263	25.720	0.339
110	15.403	35.146	25.996	0.360
120	14.955	35.097	26.058	0.380
130	14.610	35.086	26.124	0.400
140	14.169	35.039	26.182	0.419
150	13.297	34.950	26.295	0.437
160	13.162	34.940	26.314	0.454
170	13.029	34.930	26.334	0.472
180	12.930	34.923	26.348	0.489
190	12.835	34.918	26.363	0.506
200	12.714	34.913	26.383	0.523
250	12.110	34.882	26.477	0.605
300	11.613	34.852	26.548	0.685
350	10.792	34.803	26.660	0.761
400	10.008	34.752	26.757	0.831
450	9.186	34.707	26.859	0.897
500	8.069	34.643	26.984	0.958
550	7.289	34.602	27.065	1.013
600	6.634	34.578	27.136	1.065
650	6.221	34.564	27.180	1.115
700	5.945	34.561	27.213	1.163
750	5.659	34.556	27.245	1.210
800	5.381	34.552	27.275	1.255
900	4.811	34.552	27.342	1.342
1000	4.389	34.559	27.394	1.422
1002	4.386	34.559	27.395	1.424

CAST EP5-88-OC -007 DATE 19 NOV 88 TIME 1600 GMT

LAT 00 59.2S LONG 139 85.5W



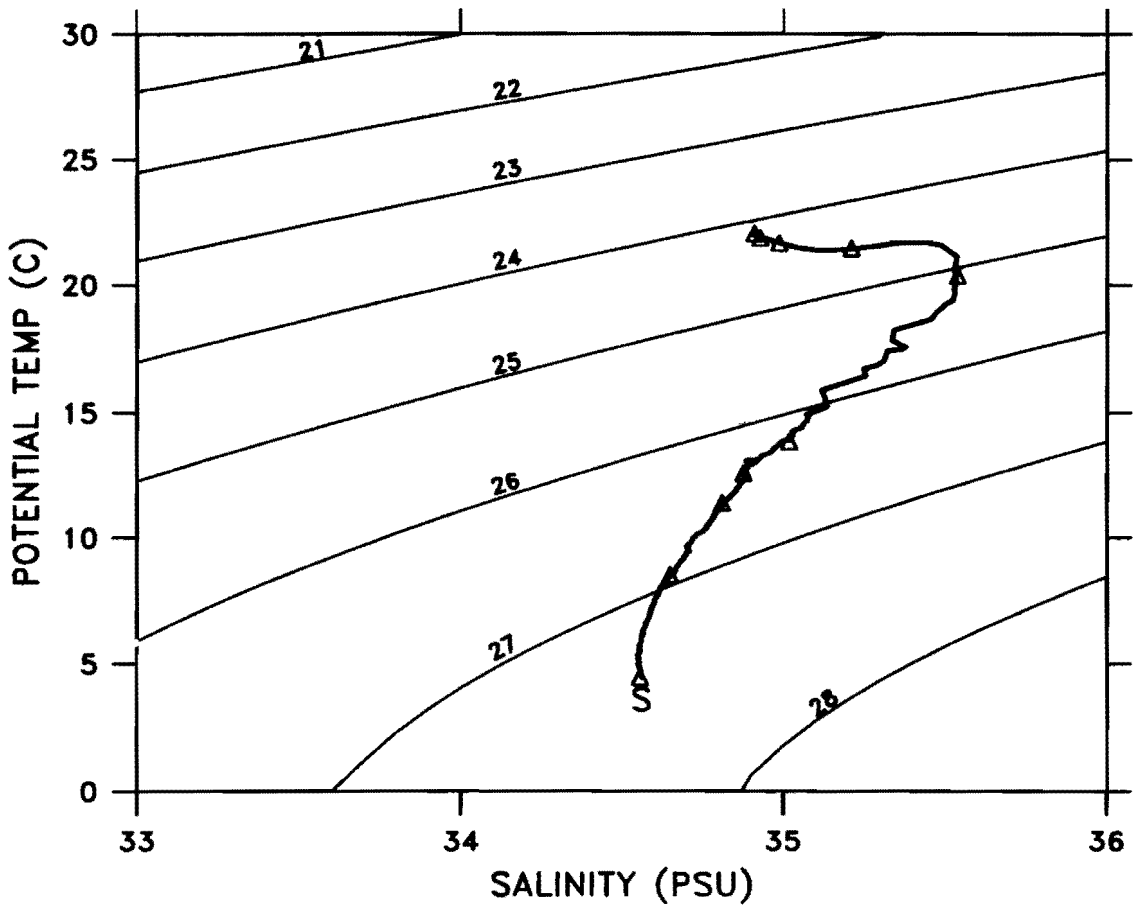


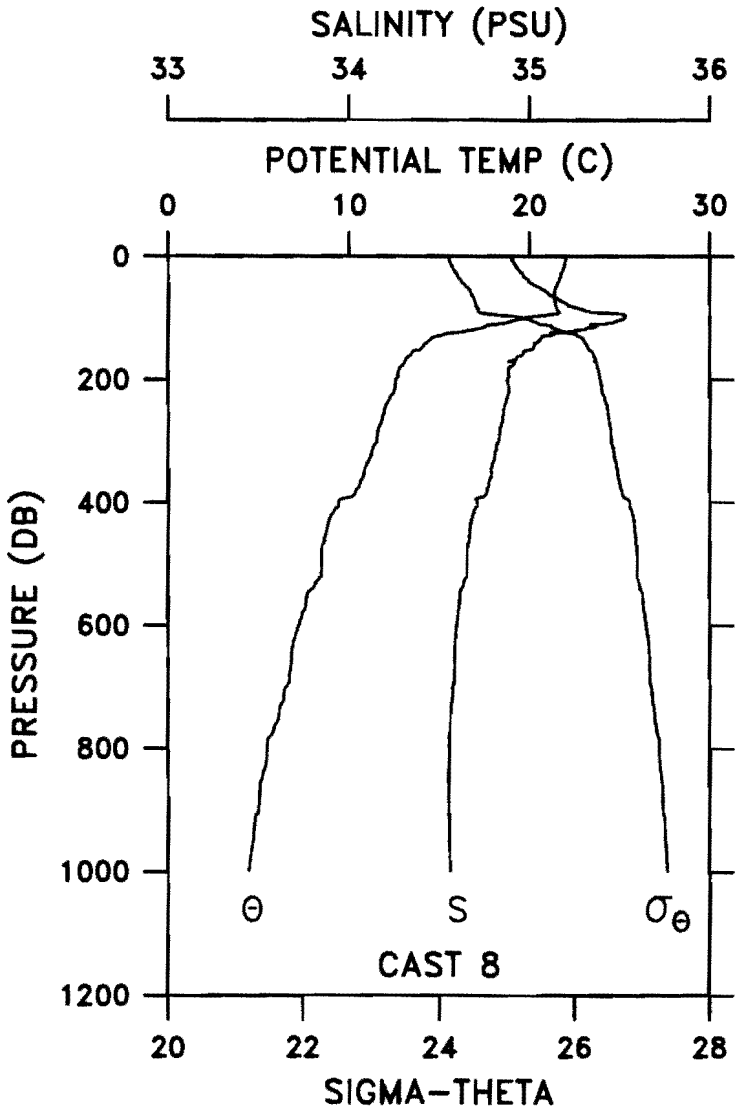
CAST EP5-88-OC -007 DATE 19 NOV 88 TIME 1600 GMT
LAT 00 59.2S LONG 139 85.5W WEATHER 1 SEA STATE 3
BAROMETER 15 WIND DIR 095 T SPD 14 KT VISIBILITY 8
CLOUD 8 AMOUNT 3 DRY 22.5 WET 21.1 DEPTH 4267 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	21.547	35.021	24.361	0.000
10	21.543	35.024	24.365	0.036
20	21.541	35.027	24.367	0.071
30	21.540	35.057	24.390	0.107
40	21.557	35.115	24.430	0.142
50	21.569	35.149	24.453	0.177
60	21.615	35.216	24.491	0.212
70	21.643	35.241	24.502	0.246
80	21.614	35.274	24.535	0.281
90	21.396	35.343	24.648	0.314
100	21.081	35.480	24.839	0.346
110	20.667	35.590	25.035	0.377
120	16.907	35.347	25.804	0.403
130	15.587	35.222	26.013	0.424
140	14.261	35.085	26.198	0.443
150	14.052	35.067	26.229	0.462
160	13.710	35.032	26.273	0.480
170	13.558	35.024	26.298	0.497
180	13.482	35.019	26.310	0.515
190	13.274	34.995	26.334	0.533
200	12.977	34.961	26.368	0.550
250	12.081	34.882	26.483	0.633
300	11.318	34.824	26.581	0.711
350	11.027	34.800	26.615	0.786
400	10.240	34.759	26.723	0.859
450	8.875	34.679	26.887	0.925
500	8.169	34.638	26.964	0.986
550	7.506	34.605	27.036	1.043
600	7.107	34.588	27.080	1.098
650	6.632	34.574	27.134	1.150
700	6.259	34.566	27.176	1.201
750	5.778	34.560	27.233	1.248
800	5.611	34.559	27.253	1.294
900	4.808	34.553	27.343	1.381
1000	4.483	34.560	27.385	1.462
1000	4.483	34.560	27.385	1.462

CAST EP5-88-OC -008 DATE 19 NOV 88 TIME 1934 GMT

LAT 00 30.5S LONG 139 59.9W



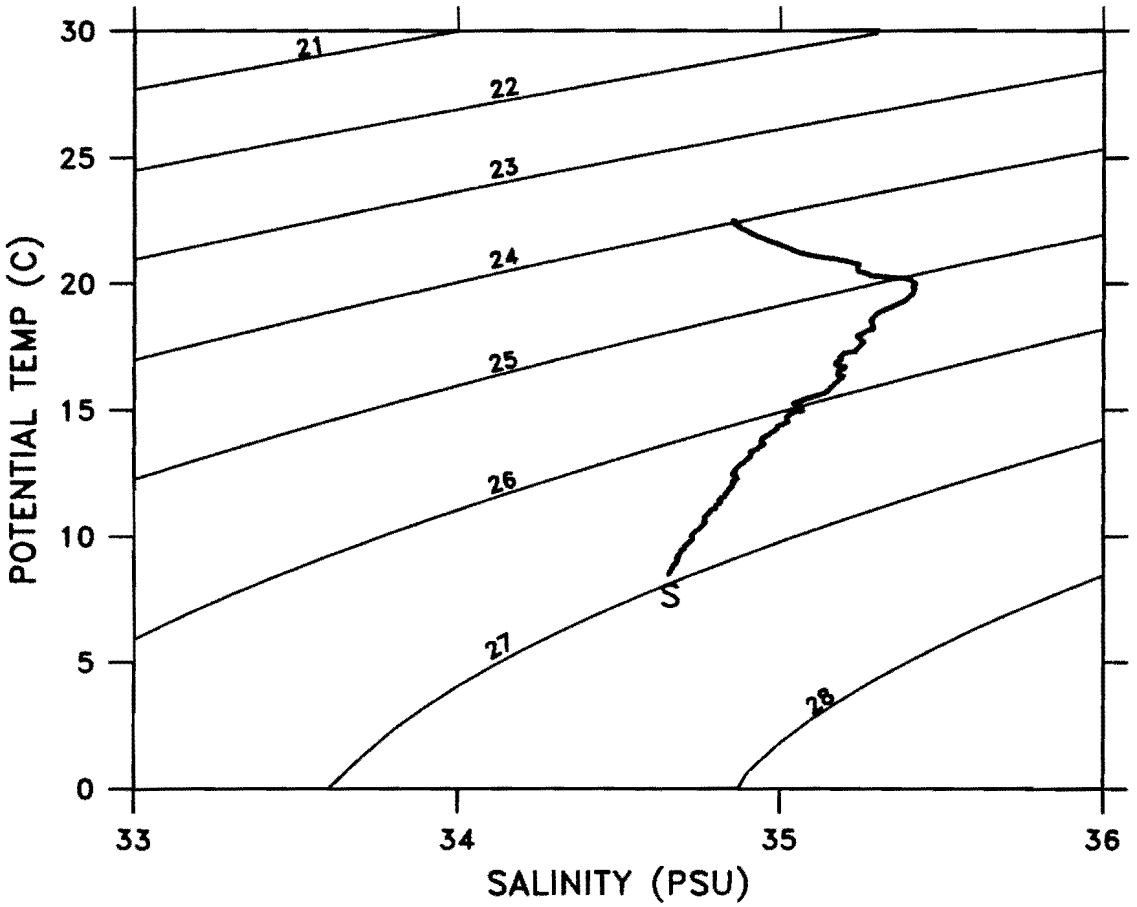


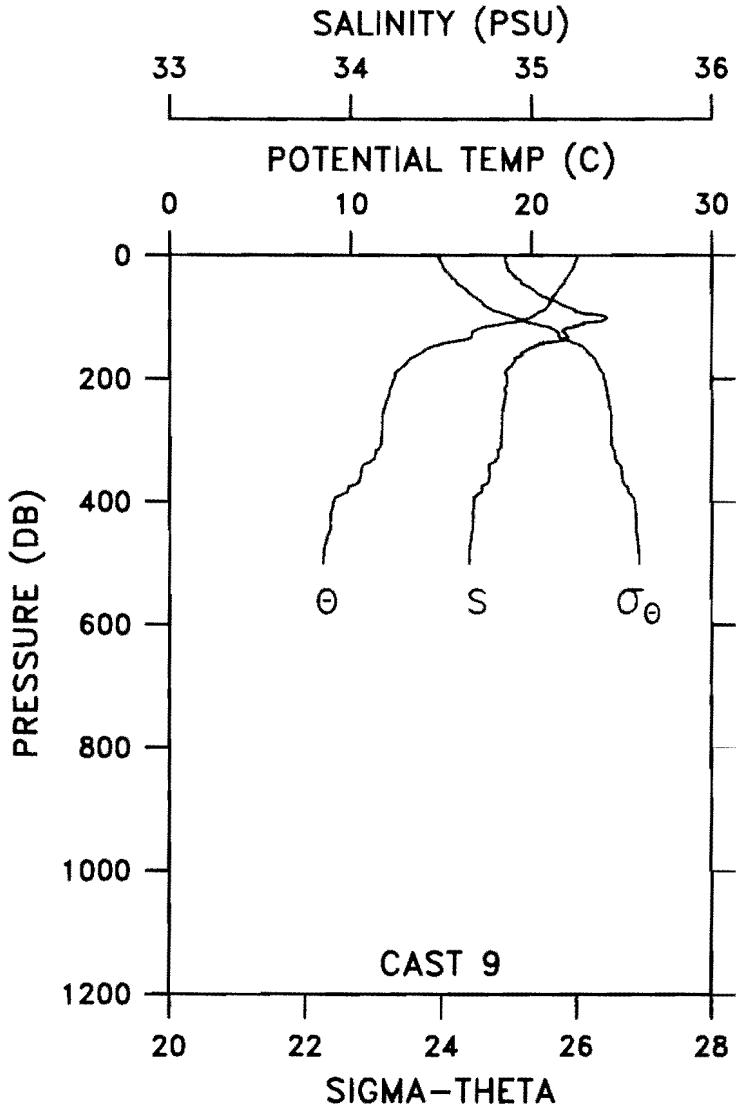
CAST EP5-88-OC -008 DATE 19 NOV 88 TIME 1934 GMT
LAT 00 30.5S LONG 139 59.9W WEATHER 2 SEA STATE 3
BAROMETER 15 WIND DIR 090 T SPD 14 KT VISIBILITY 7
CLOUD 7 AMOUNT 7 DRY 23.2 WET 21.9 DEPTH 4302 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.029	34.907	24.140	0.000
10	21.991	34.909	24.153	0.038
20	21.891	34.934	24.200	0.075
30	21.772	34.964	24.256	0.112
40	21.646	34.995	24.315	0.148
50	21.452	35.058	24.416	0.184
60	21.395	35.104	24.466	0.219
70	21.401	35.164	24.510	0.254
80	21.446	35.214	24.536	0.288
90	21.649	35.339	24.575	0.322
100	19.710	35.528	25.242	0.353
110	18.216	35.341	25.481	0.379
120	16.706	35.248	25.775	0.403
130	14.818	35.076	26.071	0.424
140	14.316	35.040	26.152	0.443
150	13.987	35.021	26.207	0.462
160	13.412	34.960	26.279	0.480
170	13.082	34.884	26.287	0.497
180	12.825	34.890	26.343	0.515
190	12.711	34.883	26.361	0.532
200	12.580	34.875	26.380	0.549
250	11.923	34.853	26.490	0.631
300	11.539	34.827	26.542	0.710
350	10.848	34.787	26.638	0.786
400	9.463	34.708	26.814	0.857
450	8.755	34.666	26.896	0.921
500	8.509	34.653	26.924	0.982
550	7.734	34.613	27.010	1.042
600	7.266	34.594	27.062	1.098
650	6.848	34.584	27.112	1.151
700	6.560	34.572	27.142	1.203
750	6.143	34.564	27.190	1.253
800	5.510	34.555	27.262	1.300
900	5.026	34.553	27.318	1.388
1000	4.478	34.560	27.386	1.470
1006	4.445	34.561	27.390	1.474

CAST EP5-88-OC -009 DATE 19 NOV 88 TIME 2318 GMT

LAT 00 04.4S LONG 139 52.4W



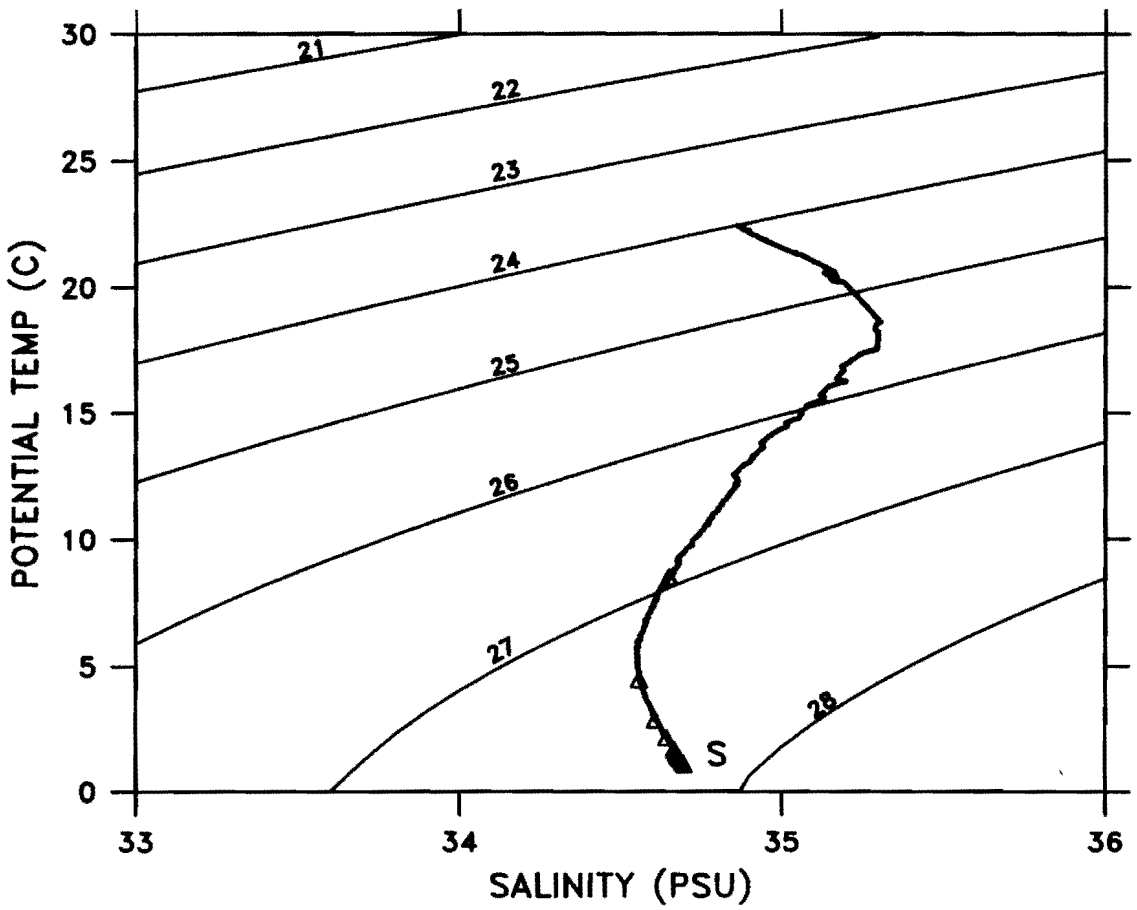


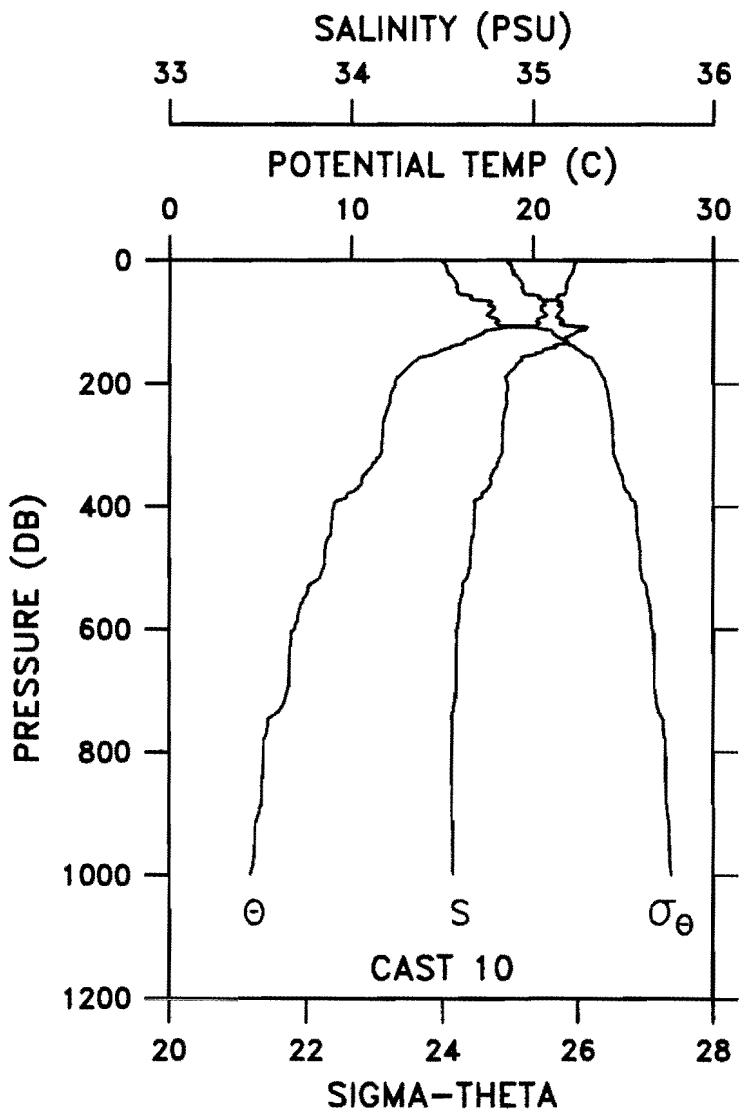
CAST EP5-88-OC -009 DATE 19 NOV 88 TIME 2318 GMT
LAT 00 04.4S LONG 139 52.4W WEATHER 0 SEA STATE 4
BAROMETER 12 WIND DIR 076 T SPD 18 KT VISIBILITY 7
CLOUD 7 AMOUNT 1 DRY 24.3 WET 21.0 DEPTH 4328 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.504	34.856	23.967	0.000
10	22.442	34.855	23.984	0.039
20	22.306	34.866	24.032	0.078
30	22.108	34.894	24.108	0.117
40	21.852	34.937	24.213	0.154
50	21.665	34.973	24.292	0.191
60	21.400	35.026	24.406	0.227
70	21.129	35.091	24.529	0.262
80	20.979	35.165	24.627	0.296
90	20.633	35.239	24.776	0.328
100	20.032	35.412	25.069	0.359
110	18.535	35.280	25.354	0.387
120	17.010	35.192	25.660	0.412
130	16.714	35.198	25.735	0.435
140	15.661	35.138	25.932	0.457
150	14.361	34.994	26.106	0.477
160	13.740	34.941	26.196	0.496
170	13.199	34.909	26.282	0.515
180	12.923	34.889	26.323	0.532
190	12.475	34.853	26.384	0.549
200	12.410	34.863	26.404	0.566
250	11.837	34.840	26.497	0.647
300	11.709	34.834	26.516	0.727
350	10.583	34.765	26.668	0.803
400	9.074	34.681	26.857	0.872
450	8.848	34.670	26.884	0.935
500	8.506	34.655	26.926	0.996
501	8.501	34.655	26.927	0.997

CAST EP5-88-OC -010 DATE 20 NOV 88 TIME 0933 GMT

LAT 00 05.3S LONG 139 58.9W



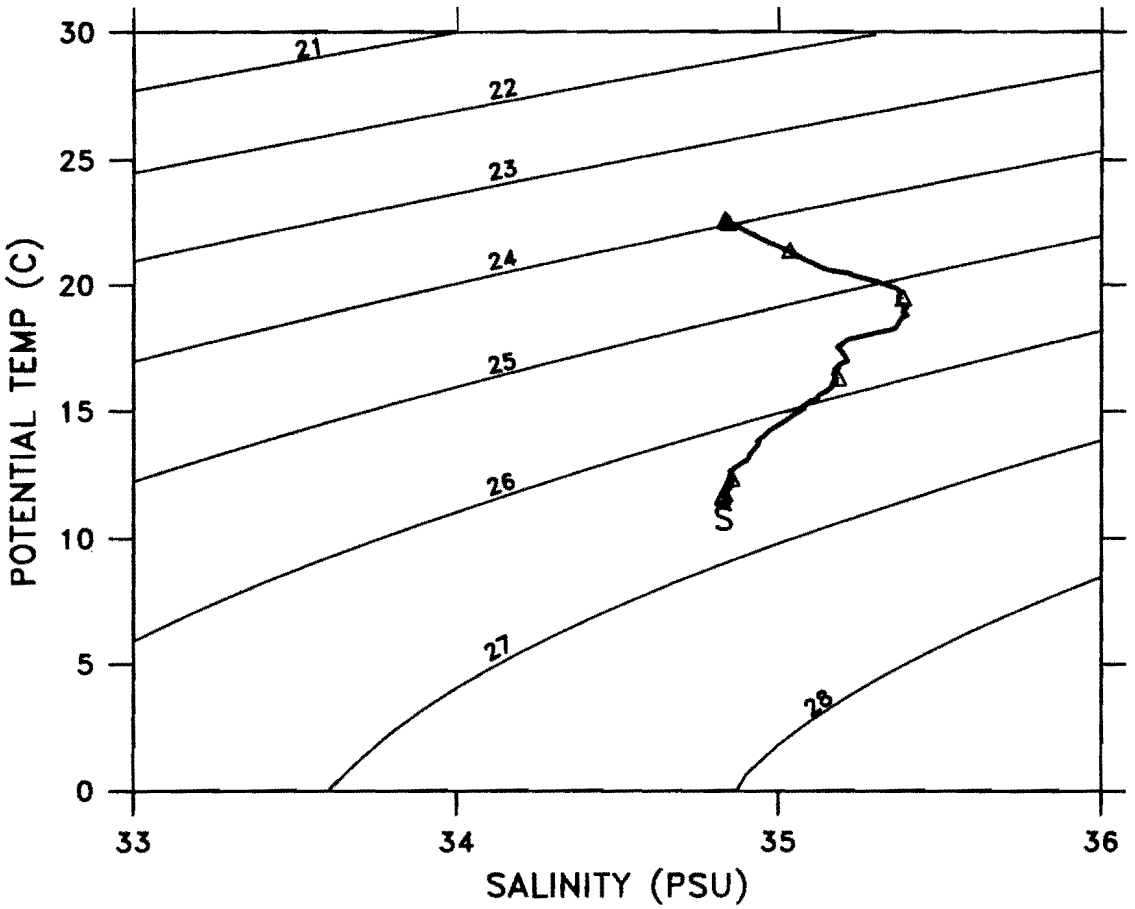


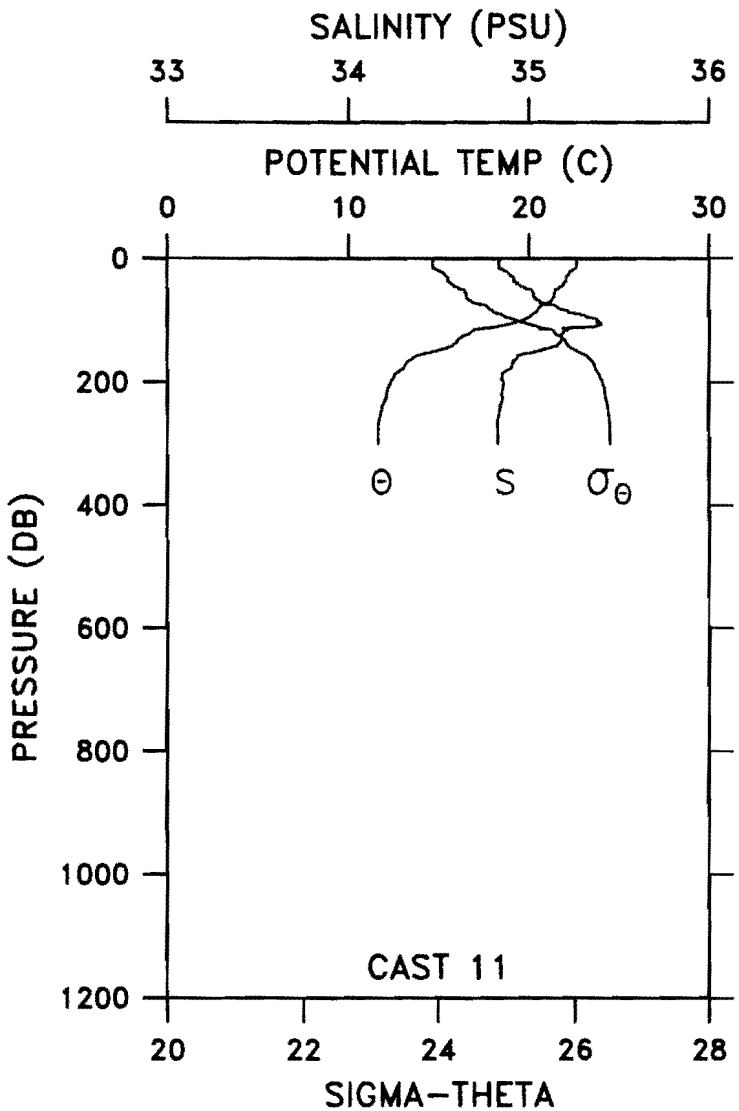
CAST EP5-88-OC -010 DATE 20 NOV 88 TIME 0933 GMT
LAT 00 05.3S LONG 139 58.9W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 090 T SPD 18 KT VISIBILITY 8
CLOUD 3 AMOUNT 3 DRY 22.3 WET 20.3 DEPTH 4303 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.424	34.860	23.994	0.000
10	22.272	34.884	24.054	0.039
20	22.168	34.899	24.095	0.077
30	21.984	34.923	24.165	0.115
40	21.838	34.947	24.224	0.152
50	21.863	34.943	24.214	0.190
60	21.329	35.045	24.440	0.226
70	20.600	35.158	24.724	0.260
80	20.442	35.167	24.773	0.292
90	20.724	35.140	24.676	0.325
100	20.315	35.149	24.793	0.356
110	18.306	35.288	25.418	0.387
120	17.151	35.224	25.651	0.411
130	16.286	35.183	25.824	0.434
140	15.465	35.121	25.962	0.456
150	14.714	35.037	26.064	0.476
160	13.646	34.942	26.217	0.495
170	13.233	34.912	26.279	0.513
180	12.884	34.880	26.323	0.531
190	12.524	34.850	26.372	0.548
200	12.391	34.862	26.407	0.565
250	11.870	34.844	26.493	0.646
300	11.668	34.834	26.524	0.725
350	10.676	34.774	26.658	0.802
400	9.018	34.681	26.866	0.871
450	8.737	34.665	26.898	0.933
500	8.481	34.653	26.928	0.994
550	7.380	34.600	27.051	1.052
600	6.881	34.584	27.108	1.105
650	6.614	34.578	27.139	1.156
700	6.502	34.573	27.150	1.207
750	5.431	34.555	27.272	1.256
800	5.199	34.555	27.299	1.300
900	4.927	34.555	27.331	1.386
1000	4.481	34.561	27.386	1.467
1500	2.879	34.610	27.585	1.815
2000	2.179	34.643	27.671	2.092
2500	1.679	34.666	27.729	2.339
3000	1.441	34.677	27.755	2.570
3500	1.286	34.685	27.773	2.795
4000	1.098	34.696	27.794	3.015
4197	1.075	34.698	27.797	3.100

CAST EP5-88-OC -011 DATE 20 NOV 88 TIME 1319 GMT

LAT 00 03.9S LONG 140 00.0W



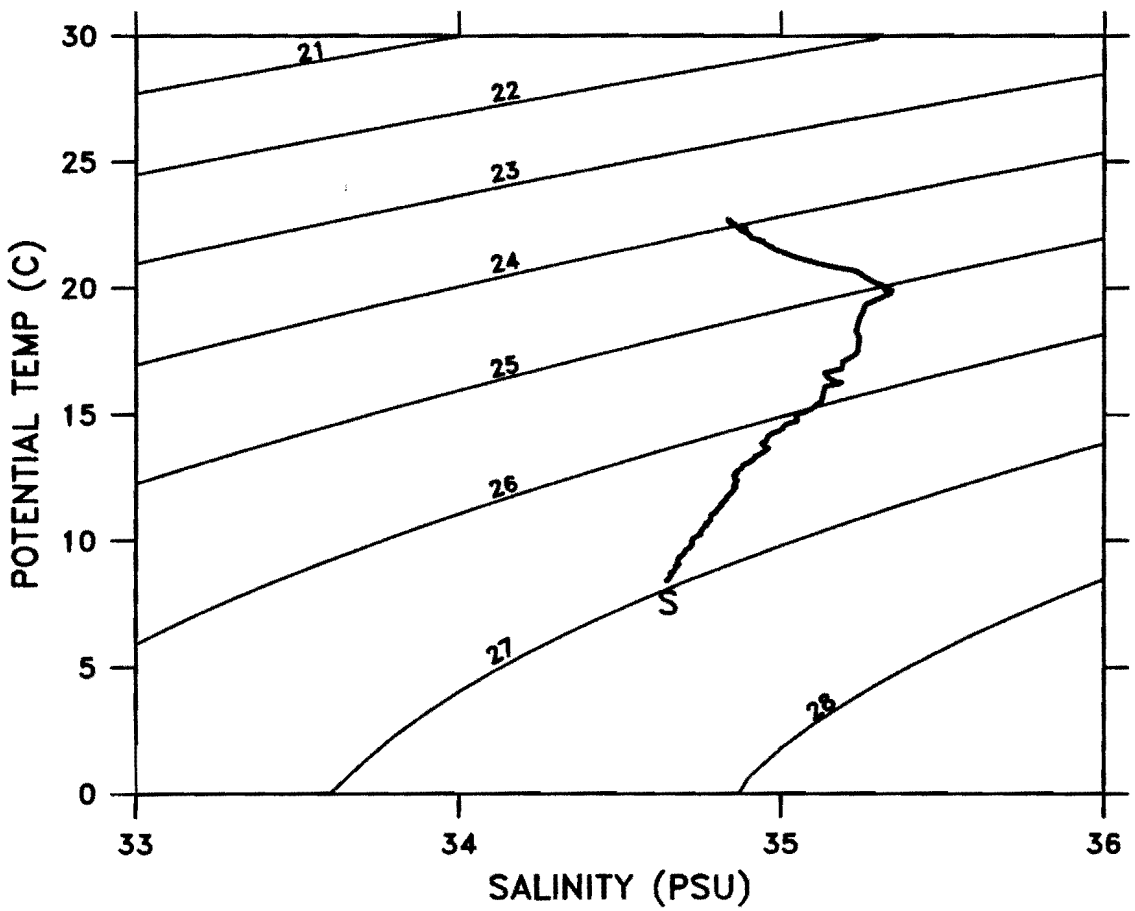


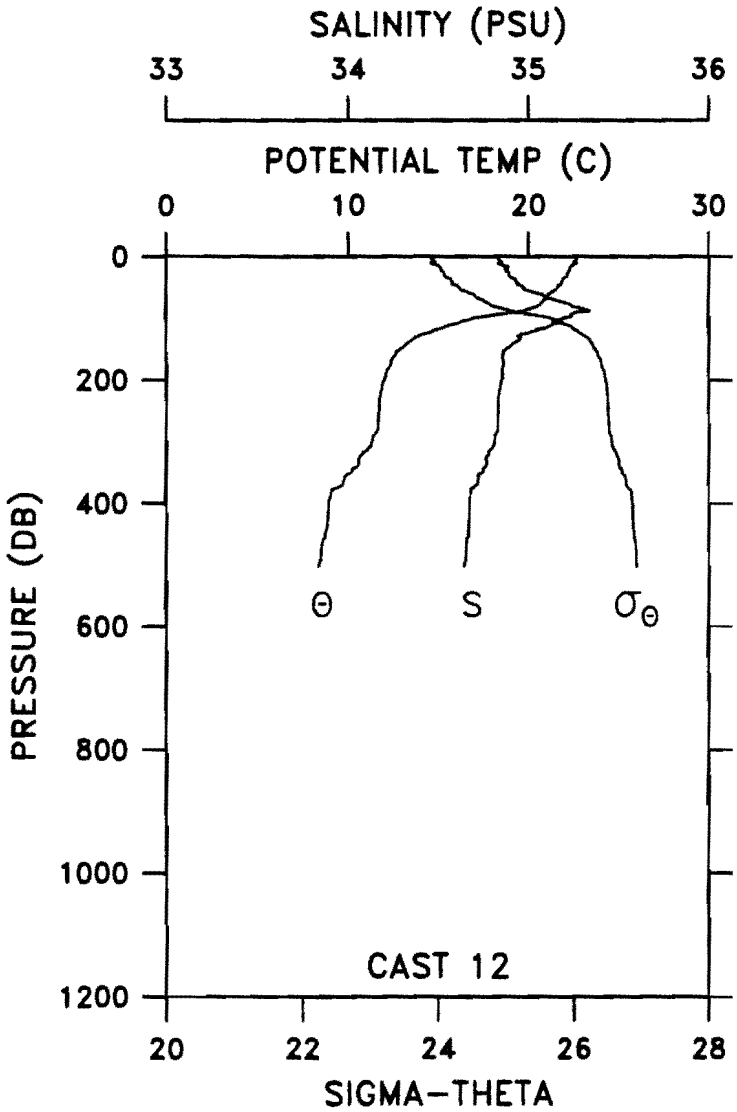
CAST EP5-88-OC -011 DATE 20 NOV 88 TIME 1319 GMT
LAT 00 03.9S LONG 140 00.0W WEATHER 2 SEA STATE 3
BAROMETER 12 WIND DIR 100 T SPD 20 KT VISIBILITY 7
CLOUD 6 AMOUNT 7 DRY 22.1 WET 20.2 DEPTH 4267 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.580	34.841	23.935	0.000
10	22.606	34.835	23.923	0.040
20	22.335	34.863	24.021	0.079
30	22.037	34.913	24.143	0.118
40	21.914	34.935	24.194	0.155
50	21.438	35.014	24.386	0.192
60	21.385	35.023	24.407	0.227
70	21.164	35.060	24.496	0.262
80	20.555	35.161	24.738	0.296
90	20.198	35.282	24.926	0.327
100	19.610	35.378	25.154	0.357
110	18.315	35.366	25.475	0.384
120	16.808	35.188	25.705	0.408
130	16.188	35.179	25.843	0.430
140	15.854	35.154	25.900	0.452
150	14.873	35.052	26.041	0.473
160	13.650	34.935	26.211	0.492
170	13.217	34.910	26.280	0.510
180	12.964	34.887	26.313	0.528
190	12.545	34.853	26.370	0.545
200	12.359	34.859	26.411	0.562
250	11.803	34.837	26.501	0.643
300	11.643	34.829	26.525	0.722
301	11.643	34.829	26.525	0.723

CAST EP5-88-OC -012 DATE 21 NOV 88 TIME 0430 GMT

LAT 00 07.6S LONG 139 56.4W



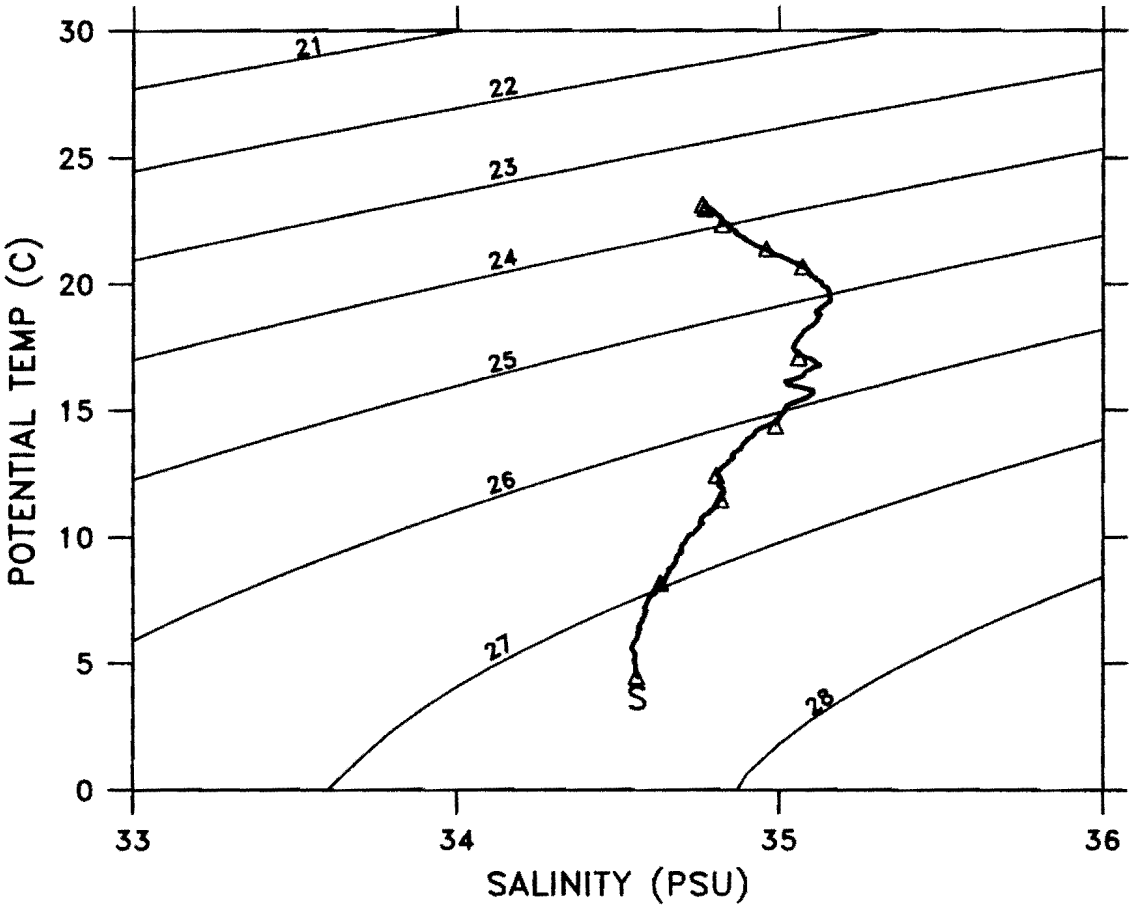


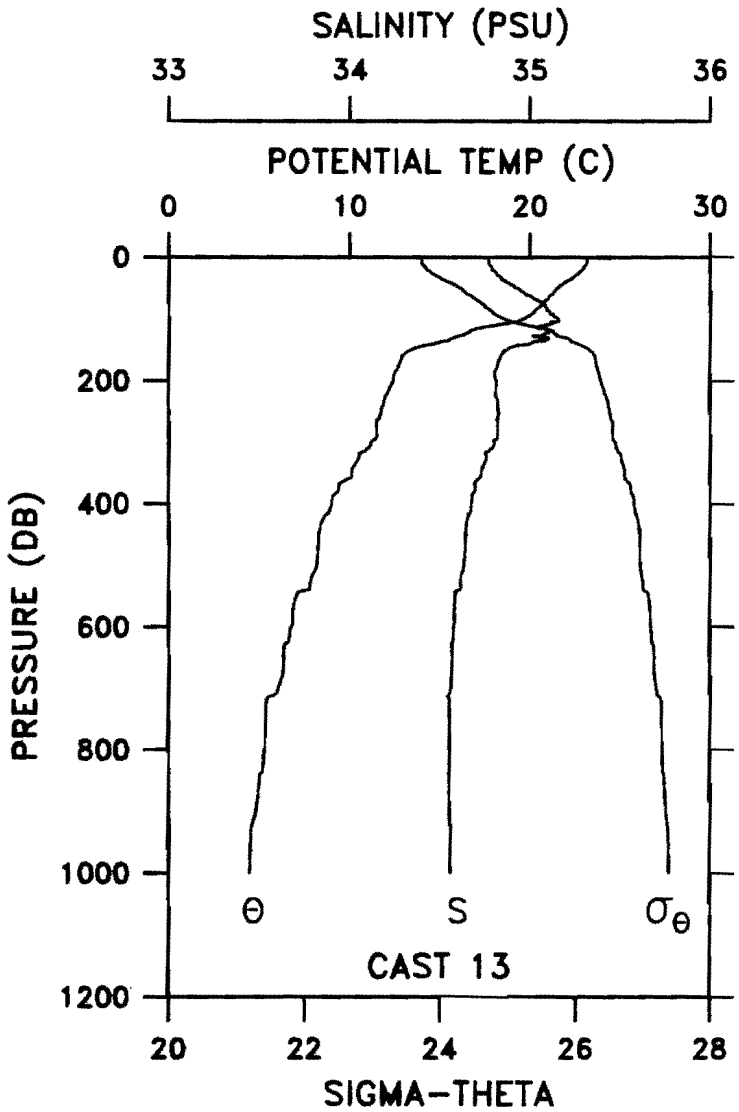
CAST EP5-88-OC -012 DATE 21 NOV 88 TIME 0430 GMT
LAT 00 07.6S LONG 139 56.4W WEATHER 0 SEA STATE 4
BAROMETER 12 WIND DIR 100 T SPD 17 KT VISIBILITY 8
CLOUD X AMOUNT 0 DRY 22.2 WET 20.6 DEPTH 4267 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	22.684	34.835	23.901	0.000
10	22.690	34.836	23.899	0.040
20	22.303	34.886	24.048	0.079
30	22.158	34.894	24.095	0.117
40	21.859	34.931	24.206	0.155
50	21.604	34.970	24.307	0.192
60	21.151	35.059	24.499	0.228
70	20.846	35.150	24.652	0.261
80	20.562	35.243	24.799	0.294
90	19.318	35.261	25.140	0.324
100	16.952	35.190	25.673	0.349
110	15.817	35.131	25.891	0.372
120	14.740	35.049	26.068	0.392
130	13.778	34.946	26.193	0.412
140	13.328	34.919	26.264	0.430
150	12.883	34.879	26.323	0.447
160	12.629	34.855	26.355	0.464
170	12.391	34.864	26.408	0.481
180	12.265	34.858	26.429	0.498
190	12.096	34.857	26.461	0.514
200	12.000	34.854	26.476	0.530
250	11.719	34.834	26.514	0.609
300	11.335	34.813	26.569	0.687
350	10.216	34.750	26.720	0.760
400	8.938	34.676	26.874	0.826
450	8.748	34.667	26.898	0.888
500	8.425	34.648	26.933	0.949
503	8.380	34.645	26.938	0.953

CAST EP5-88-OC -013 DATE 21 NOV 88 TIME 0839 GMT

LAT 00 29.4N LONG 140 00.4W



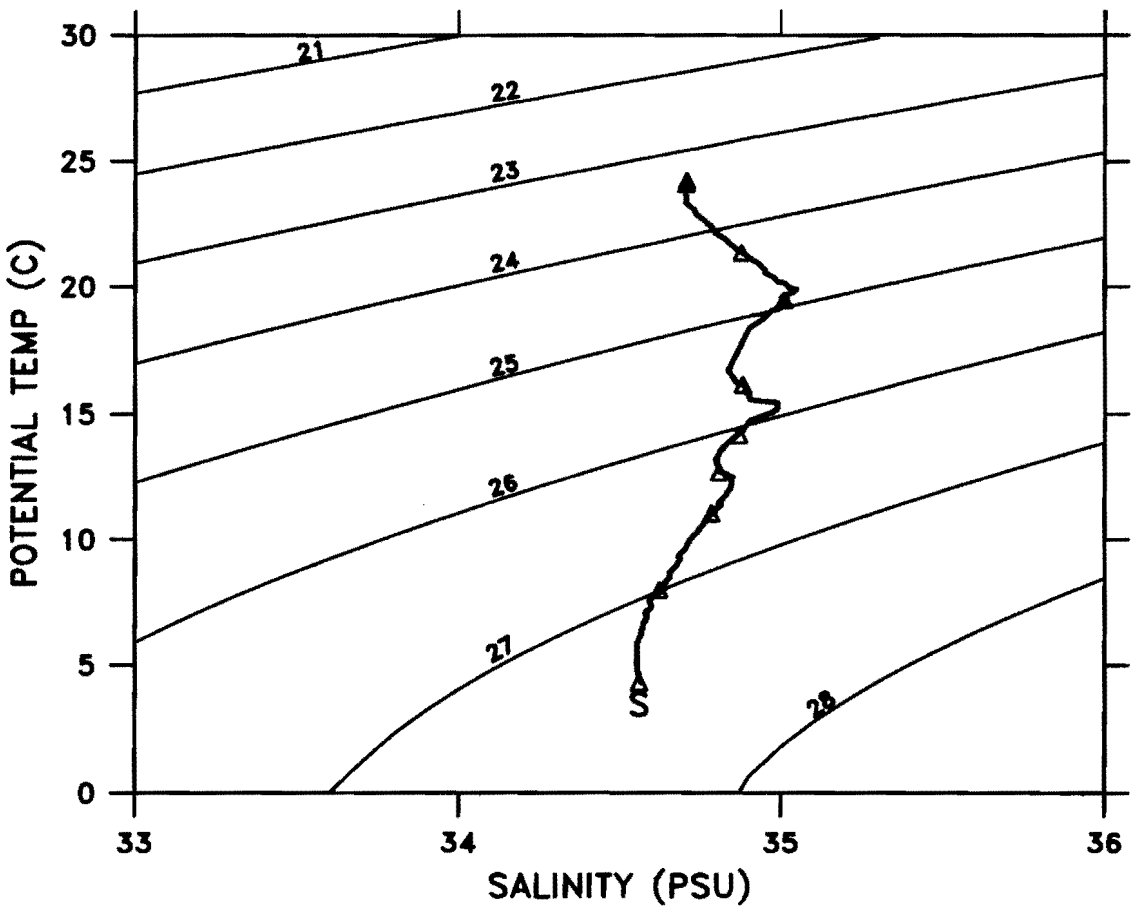


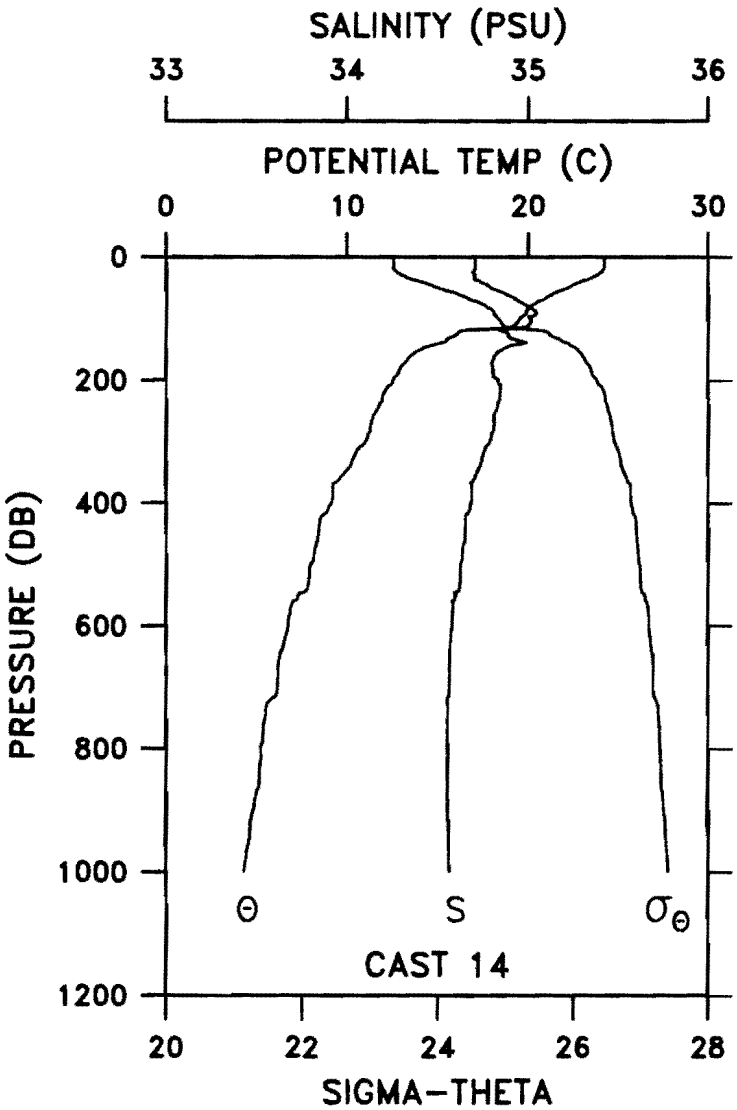
CAST EP5-88-OC -013 DATE 21 NOV 88 TIME 0839 GMT
LAT 00 29.4N LONG 140 00.4W WEATHER 2 SEA STATE 4
BAROMETER 13 WIND DIR 100 T SPD 16 KT VISIBILITY 8
CLOUD 9 AMOUNT 8 DRY 23.1 WET 21.1 DEPTH 4334 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	23.125	34.775	23.729	0.000
10	23.119	34.776	23.731	0.042
20	22.913	34.794	23.804	0.083
30	22.464	34.833	23.962	0.123
40	21.941	34.877	24.143	0.162
50	21.504	34.933	24.306	0.199
60	21.205	34.980	24.424	0.235
70	20.861	35.046	24.568	0.269
80	20.556	35.088	24.682	0.302
90	20.197	35.112	24.796	0.335
100	19.589	35.158	24.991	0.366
110	18.131	35.077	25.300	0.394
120	16.670	35.105	25.674	0.419
130	15.778	35.103	25.879	0.442
140	14.681	34.999	26.042	0.463
150	13.461	34.880	26.207	0.482
160	12.923	34.841	26.286	0.500
170	12.804	34.827	26.299	0.518
180	12.660	34.818	26.320	0.535
190	12.480	34.808	26.348	0.553
200	12.414	34.814	26.365	0.570
250	11.756	34.828	26.502	0.652
300	11.216	34.808	26.587	0.730
350	10.128	34.733	26.722	0.802
400	9.003	34.679	26.866	0.868
450	8.284	34.644	26.952	0.928
500	8.181	34.636	26.961	0.987
550	7.064	34.587	27.085	1.045
600	6.790	34.578	27.115	1.097
650	6.344	34.569	27.168	1.147
700	6.033	34.560	27.201	1.196
750	5.351	34.554	27.280	1.241
800	5.262	34.553	27.291	1.285
900	4.793	34.555	27.346	1.370
1000	4.462	34.561	27.388	1.450
1000	4.462	34.561	27.388	1.450

CAST EP5-88-OC -014 DATE 21 NOV 88 TIME 1255 GMT

LAT 01 00.1N LONG 140 00.2W



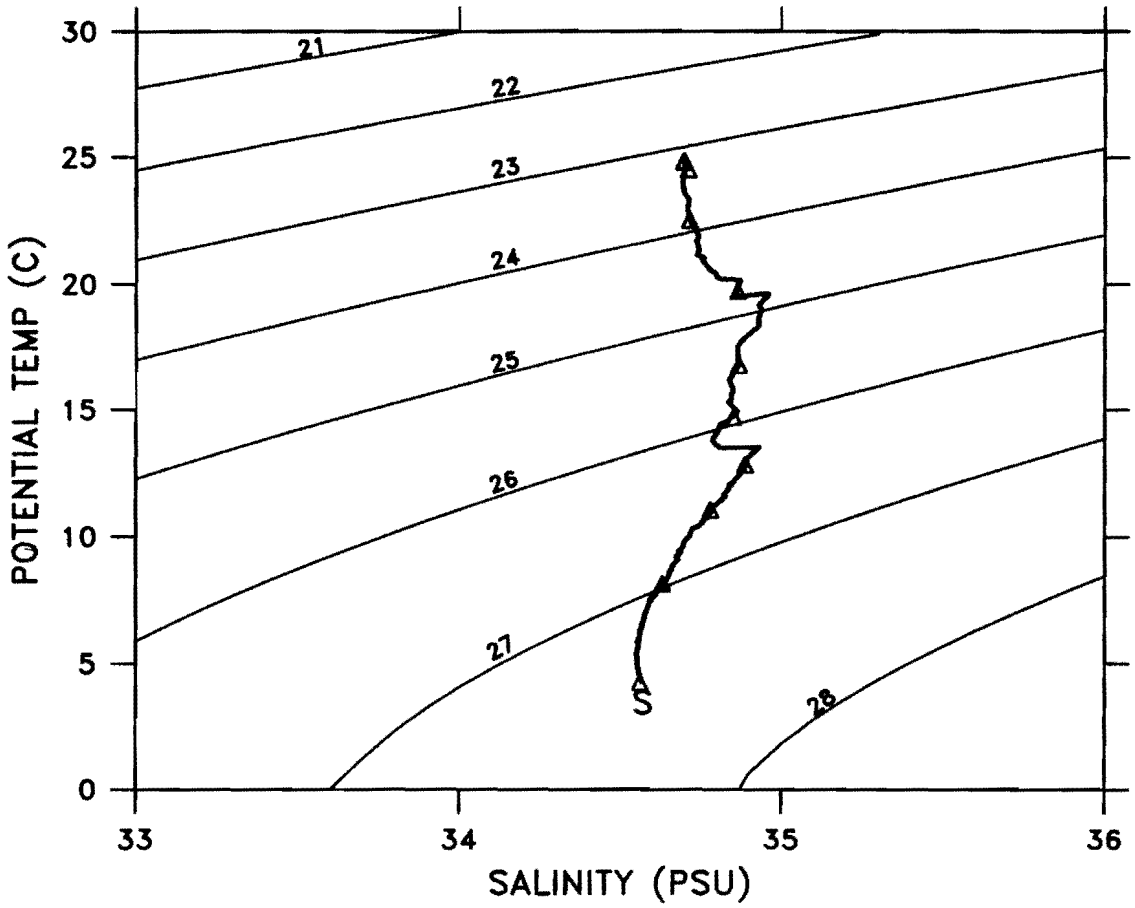


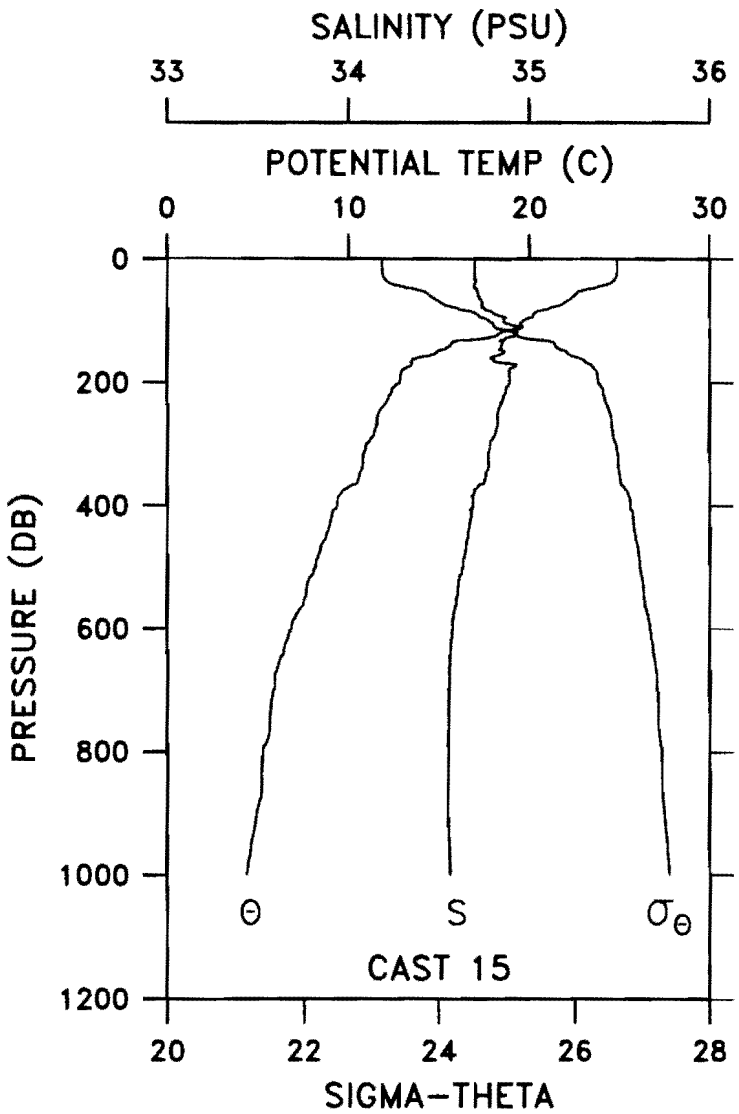
CAST EP5-88-OC -014 DATE 21 NOV 88 TIME 1255 GMT
LAT 01 00.1N LONG 140 00.2W WEATHER 2 SEA STATE 4
BAROMETER 11 WIND DIR 105 T SPD 22 KT VISIBILITY 8
CLOUD 6 AMOUNT 7 DRY 23.3 WET 20.9 DEPTH 4309 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.211	34.706	23.358	0.000
10	24.212	34.705	23.357	0.045
20	24.170	34.703	23.368	0.090
30	23.710	34.703	23.503	0.135
40	22.905	34.734	23.761	0.178
50	22.178	34.794	24.013	0.218
60	21.366	34.877	24.301	0.256
70	20.767	34.941	24.514	0.291
80	20.154	35.004	24.725	0.324
90	19.899	35.046	24.825	0.356
100	19.523	35.016	24.900	0.387
110	19.233	35.001	24.963	0.418
120	16.249	34.858	25.582	0.446
130	15.756	34.900	25.727	0.470
140	15.064	34.975	25.939	0.492
150	14.084	34.859	26.061	0.512
160	13.560	34.814	26.136	0.532
170	13.244	34.800	26.190	0.551
180	12.960	34.803	26.249	0.569
190	12.808	34.806	26.281	0.587
200	12.571	34.831	26.348	0.604
250	11.643	34.822	26.519	0.686
300	11.035	34.788	26.604	0.762
350	9.910	34.717	26.746	0.834
400	9.126	34.683	26.850	0.899
450	8.425	34.651	26.935	0.960
500	7.981	34.625	26.983	1.019
550	7.306	34.598	27.059	1.076
600	6.730	34.580	27.125	1.129
650	6.267	34.567	27.176	1.179
700	6.155	34.566	27.190	1.227
750	5.476	34.555	27.266	1.274
800	5.246	34.554	27.293	1.318
900	4.826	34.553	27.341	1.404
1000	4.314	34.565	27.407	1.484
1001	4.312	34.565	27.407	1.484

CAST EP5-88-OC -015 DATE 21 NOV 88 TIME 1631 GMT

LAT 01 29.7N LONG 140 00.5W



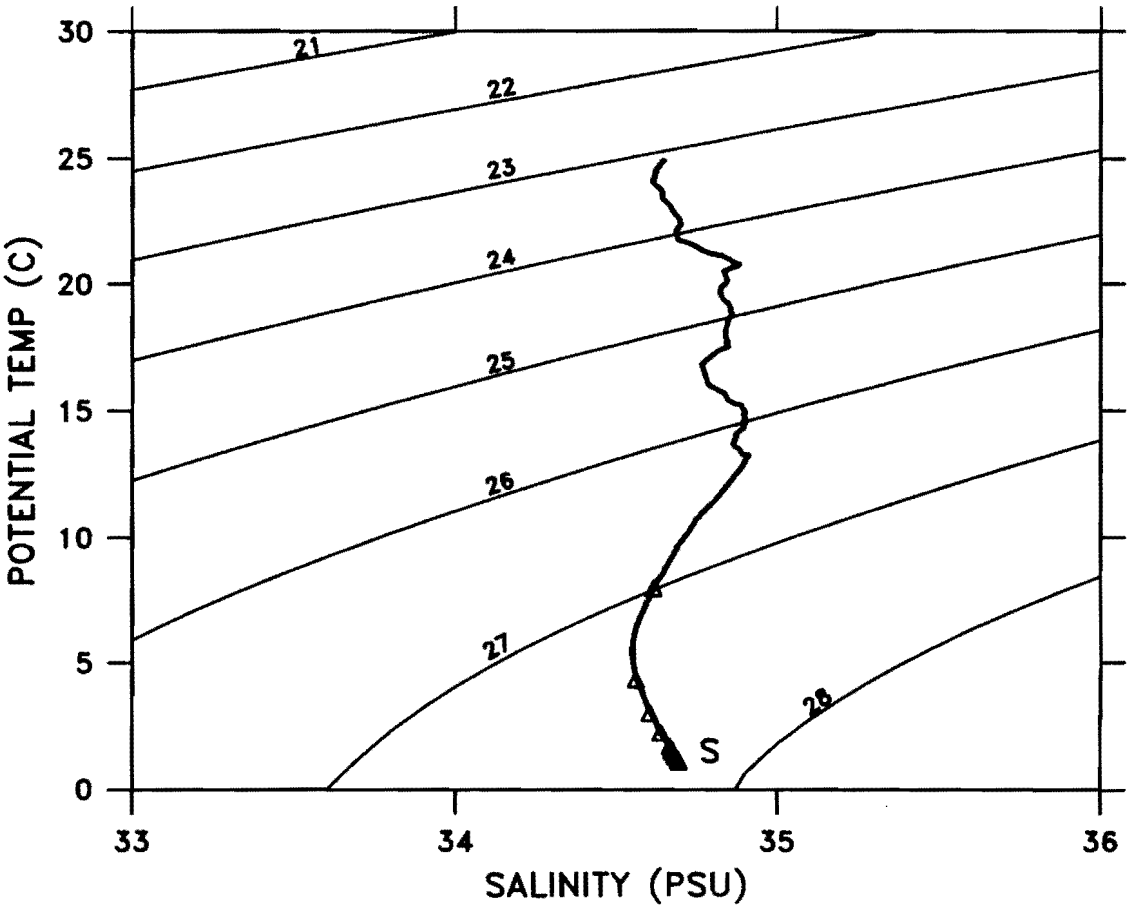


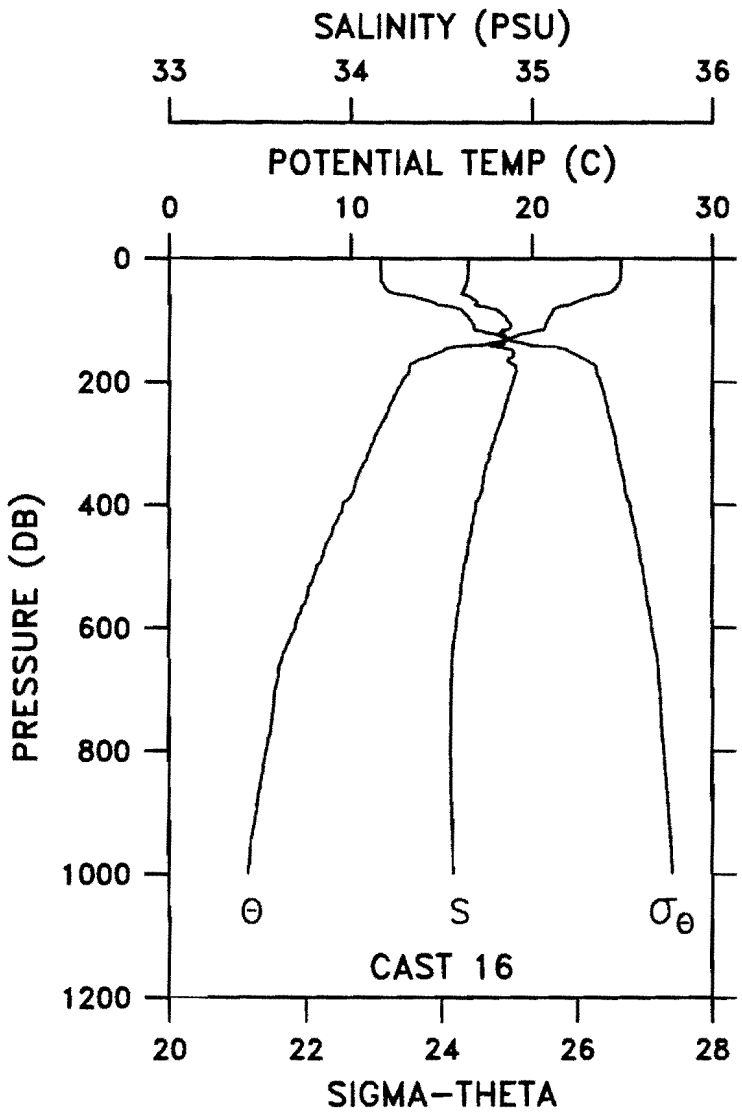
CAST EP5-88-OC -015 DATE 21 NOV 88 TIME 1631 GMT
LAT 01 29.7N LONG 140 00.5W WEATHER 2 SEA STATE 4
BAROMETER 13 WIND DIR 125 T SPD 18 KT VISIBILITY 8
CLOUD 6 AMOUNT 8 DRY 24.0 WET 21.2 DEPTH 4823 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.827	34.699	23.168	0.000
10	24.834	34.697	23.165	0.047
20	24.826	34.698	23.167	0.094
30	24.755	34.701	23.191	0.141
40	24.430	34.700	23.288	0.187
50	23.023	34.708	23.707	0.232
60	22.456	34.717	23.876	0.273
70	21.958	34.740	24.033	0.312
80	21.068	34.755	24.291	0.350
90	20.192	34.815	24.571	0.385
100	19.665	34.859	24.743	0.419
110	19.615	34.950	24.826	0.451
120	18.397	34.931	25.122	0.481
130	17.115	34.865	25.384	0.509
140	15.666	34.848	25.707	0.533
150	14.926	34.863	25.884	0.555
160	13.820	34.786	26.060	0.576
170	13.500	34.907	26.220	0.595
180	12.983	34.889	26.311	0.613
190	12.868	34.887	26.332	0.631
200	12.830	34.893	26.345	0.648
250	11.670	34.824	26.516	0.730
300	11.009	34.782	26.605	0.807
350	10.584	34.760	26.663	0.881
400	9.371	34.688	26.814	0.950
450	8.731	34.661	26.895	1.013
500	8.148	34.635	26.965	1.073
550	7.555	34.599	27.025	1.130
600	6.807	34.576	27.112	1.184
650	6.177	34.562	27.184	1.234
700	5.815	34.555	27.225	1.282
750	5.634	34.556	27.248	1.328
800	5.233	34.554	27.294	1.373
900	4.902	34.554	27.333	1.459
1000	4.351	34.565	27.403	1.540
1015	4.299	34.566	27.410	1.552

CAST EP5-88-OC -016 DATE 22 NOV 88 TIME 0938 GMT

LAT 02 00.6N LONG 140 00.4W



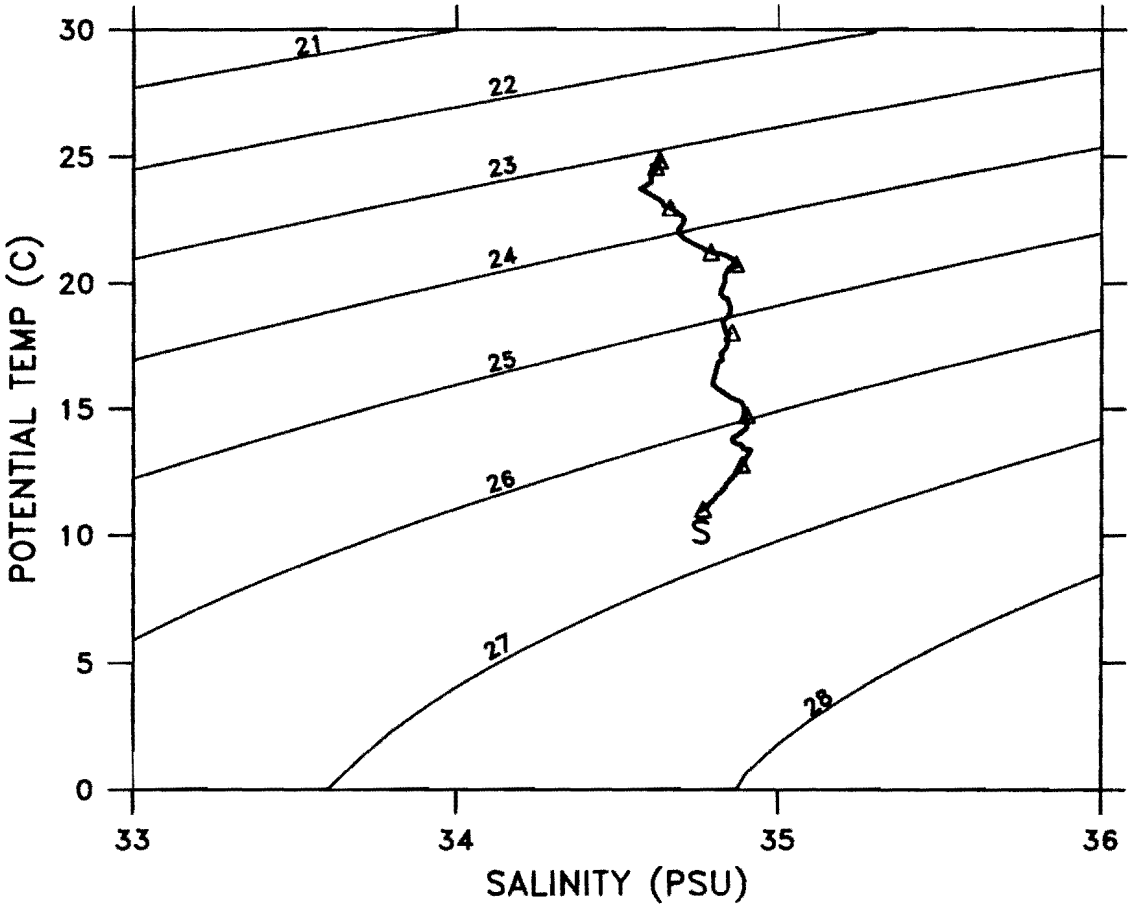


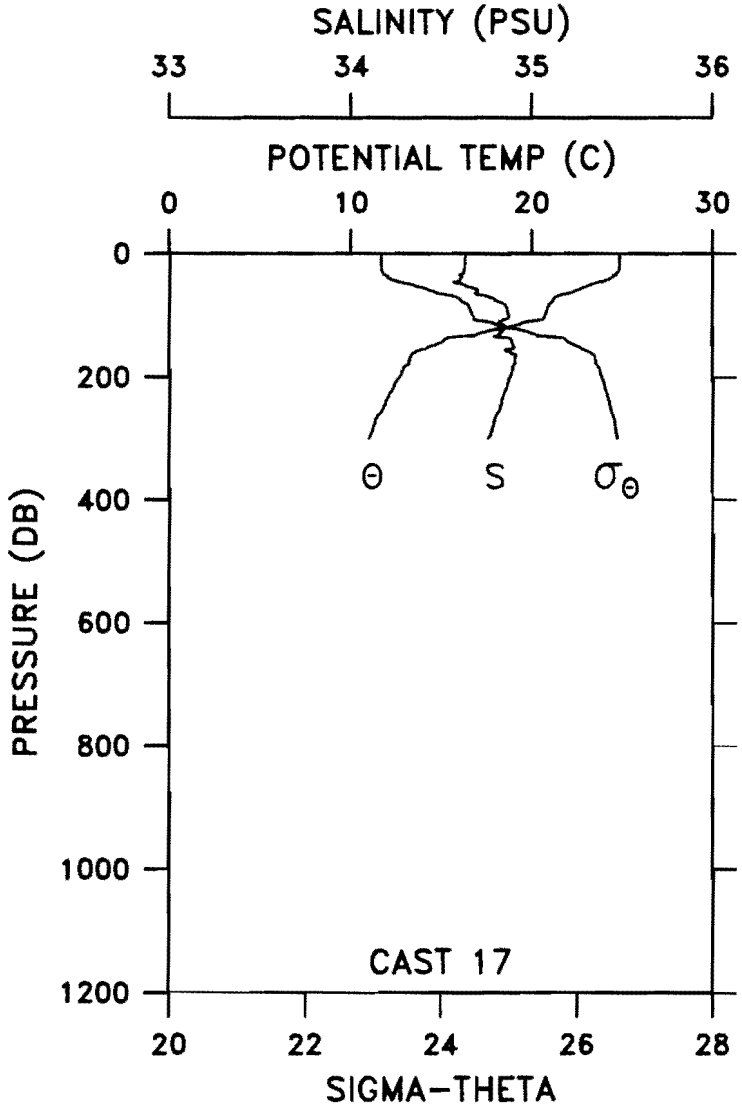
CAST EP5-88-OC -016 DATE 22 NOV 88 TIME 0938 GMT
LAT 02 00.6N LONG 140 00.4W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 060 T SPD 18 KT VISIBILITY 7
CLOUD 3 AMOUNT 3 DRY 23.5 WET 19.8 DEPTH 4371 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.919	34.648	23.102	0.000
10	24.913	34.649	23.104	0.048
20	24.905	34.647	23.105	0.095
30	24.881	34.645	23.111	0.143
40	24.782	34.637	23.135	0.190
50	24.578	34.628	23.189	0.238
60	23.377	34.643	23.556	0.284
70	22.444	34.697	23.864	0.326
80	21.350	34.765	24.220	0.365
90	21.066	34.837	24.353	0.401
100	20.867	34.862	24.426	0.437
110	20.727	34.881	24.478	0.472
120	19.901	34.826	24.656	0.506
130	18.774	34.859	24.972	0.538
140	17.355	34.817	25.290	0.566
150	15.070	34.893	25.875	0.590
160	14.278	34.893	26.046	0.610
170	13.375	34.887	26.230	0.629
180	13.221	34.912	26.281	0.647
190	13.072	34.903	26.304	0.665
200	12.843	34.894	26.343	0.683
250	12.043	34.841	26.458	0.766
300	11.215	34.786	26.570	0.845
350	10.437	34.736	26.671	0.919
400	9.576	34.690	26.782	0.990
450	8.921	34.660	26.865	1.055
500	8.119	34.624	26.961	1.116
550	7.560	34.604	27.028	1.174
600	6.921	34.580	27.099	1.228
650	6.201	34.559	27.179	1.278
700	5.834	34.552	27.219	1.326
750	5.651	34.551	27.242	1.373
800	5.340	34.549	27.278	1.418
900	4.802	34.555	27.345	1.503
1000	4.334	34.565	27.405	1.583
1500	2.965	34.610	27.577	1.923
2000	2.226	34.639	27.664	2.207
2500	1.674	34.667	27.730	2.456
3000	1.491	34.674	27.750	2.689
3500	1.198	34.690	27.783	2.911
4000	1.109	34.694	27.792	3.125
4247	1.090	34.695	27.794	3.233

CAST EP5-88-OC -017 DATE 22 NOV 88 TIME 1328 GMT

LAT 02 00.2N LONG 140 00.7W



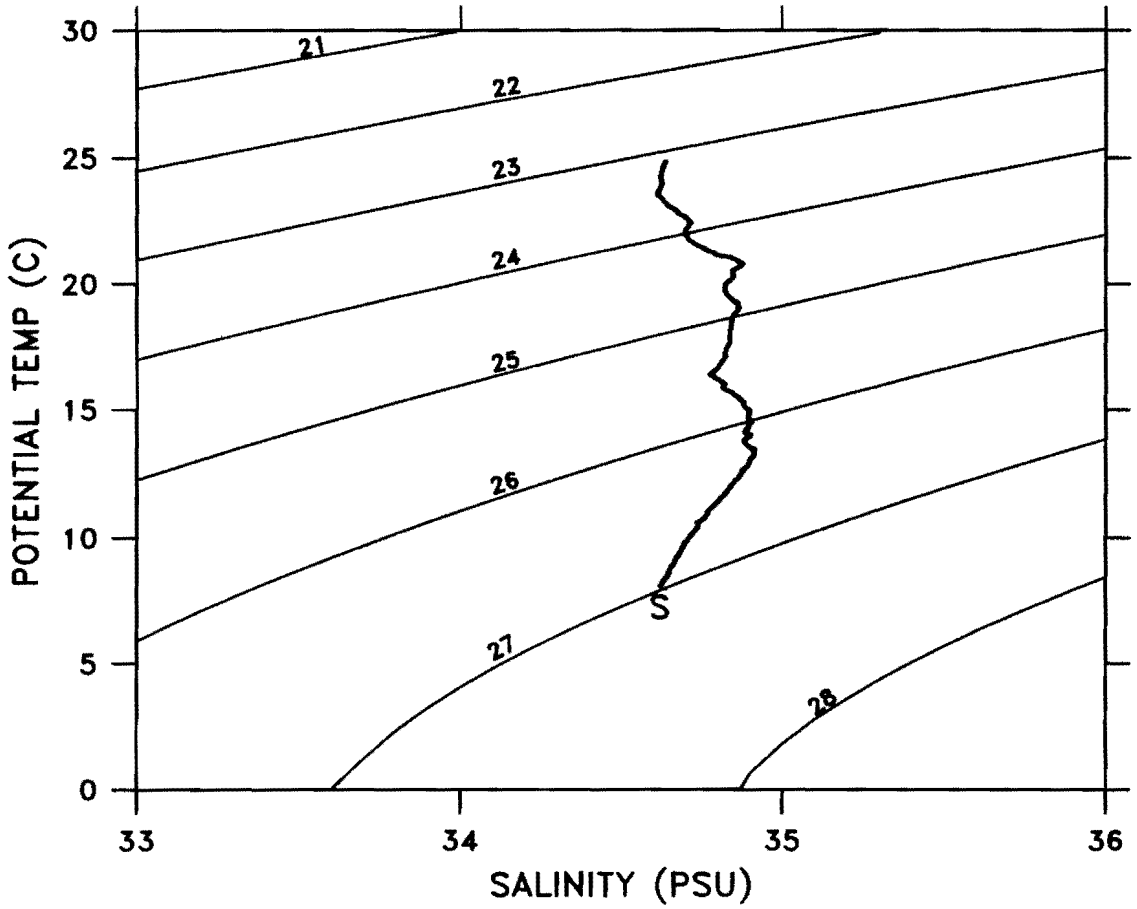


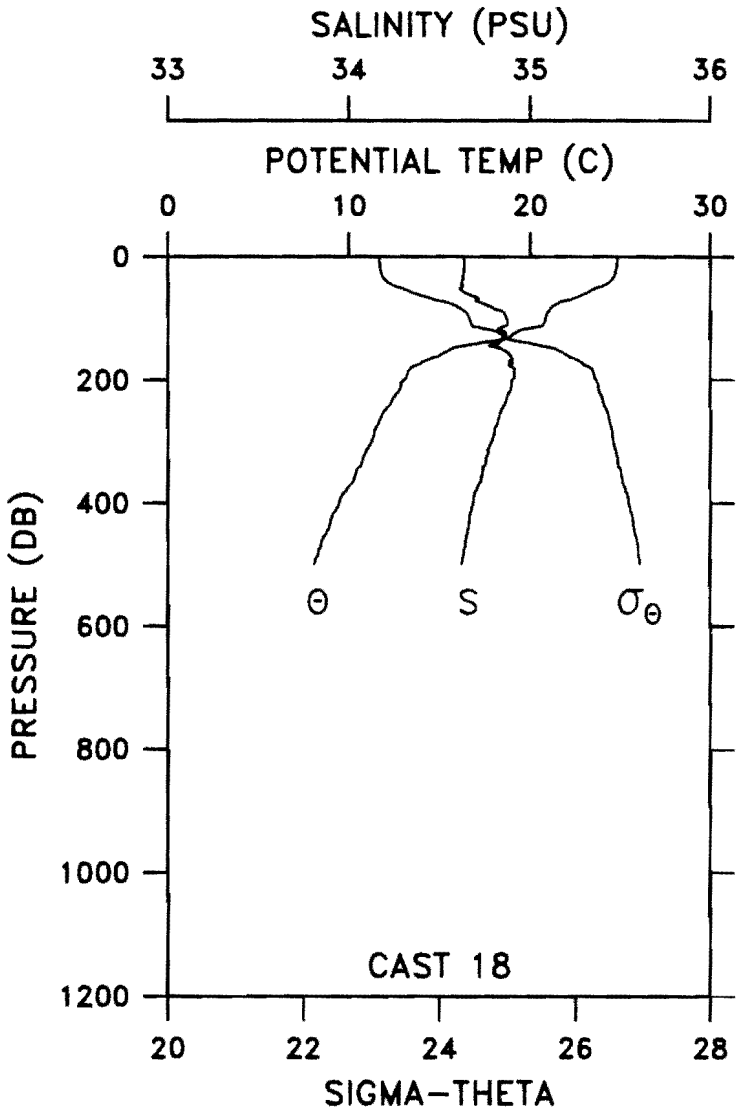
CAST EP5-88-OC -017 DATE 22 NOV 88 TIME 1328 GMT
LAT 02 00.2N LONG 140 00.7W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 095 T SPD 16 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 23.4 WET 19.8 DEPTH 4371 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.845	34.637	23.115	0.000
10	24.842	34.634	23.114	0.047
20	24.833	34.633	23.116	0.095
30	24.748	34.628	23.138	0.142
40	24.359	34.610	23.241	0.189
50	23.270	34.629	23.576	0.235
60	22.460	34.706	23.866	0.276
70	21.333	34.768	24.228	0.315
80	21.036	34.839	24.363	0.352
90	20.854	34.864	24.431	0.387
100	20.723	34.874	24.474	0.422
110	19.820	34.826	24.677	0.457
120	18.700	34.844	24.979	0.488
130	17.035	34.824	25.372	0.516
140	15.174	34.889	25.849	0.540
150	14.468	34.901	26.011	0.561
160	13.556	34.884	26.190	0.581
170	13.272	34.908	26.267	0.599
180	13.169	34.904	26.285	0.617
190	12.884	34.895	26.336	0.634
200	12.714	34.884	26.361	0.652
250	11.814	34.829	26.492	0.734
300	10.992	34.762	26.592	0.811
300	10.992	34.762	26.592	0.811

CAST EP5-88-OC -018 DATE 22 NOV 88 TIME 2234 GMT

LAT 01 57.8N LONG 140 04.5W



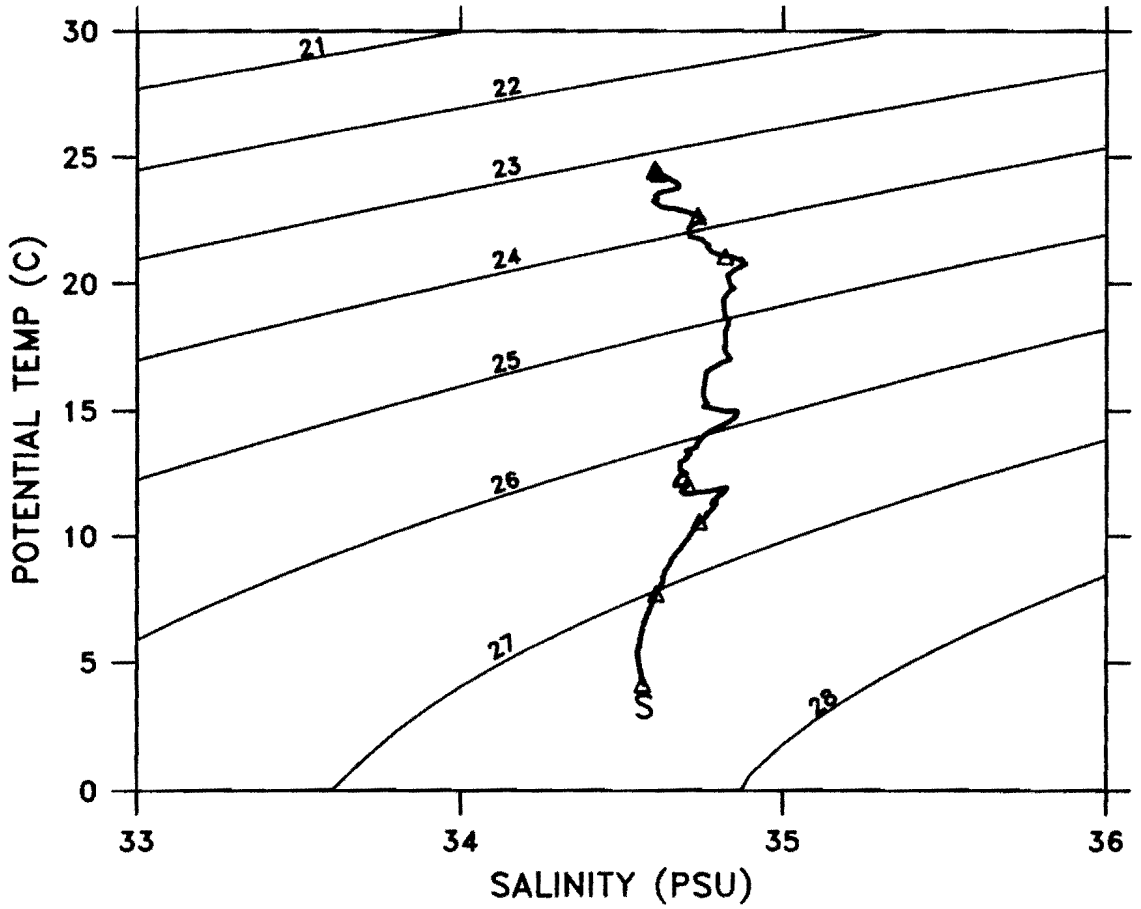


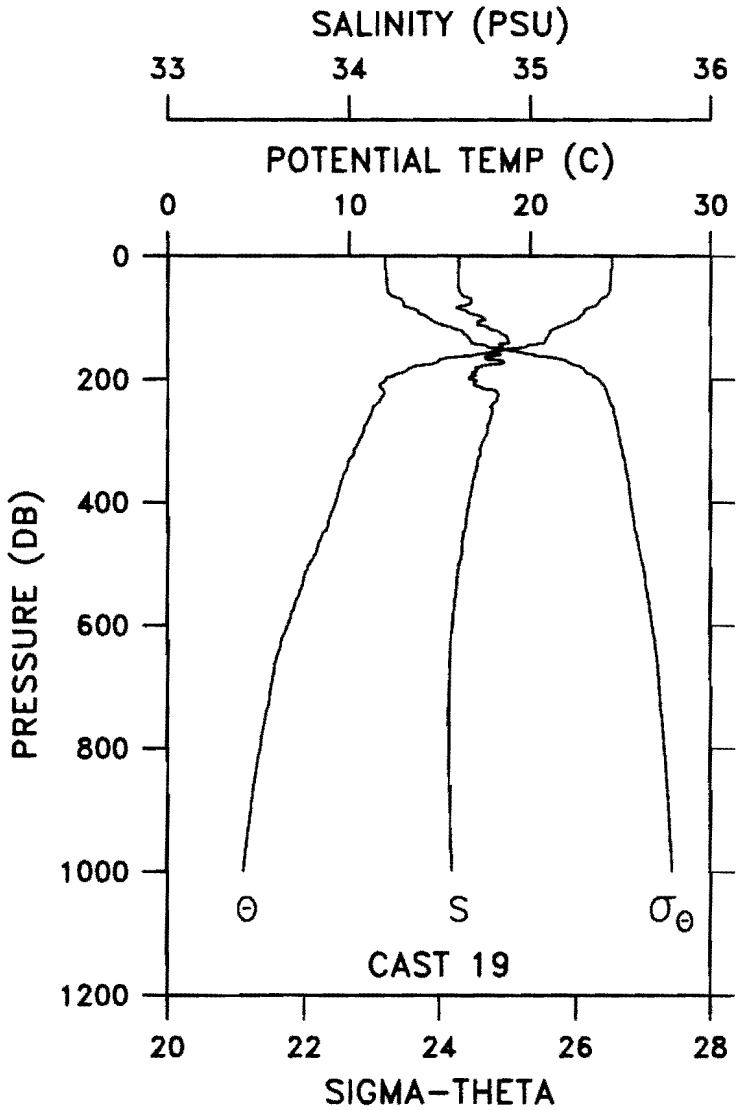
CAST EP5-88-OC -018 DATE 22 NOV 88 TIME 2234 GMT
LAT 01 57.8N LONG 140 04.5W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 110 T SPD 10 KT VISIBILITY 7
CLOUD 4 AMOUNT 2 DRY 24.8 WET 21.0 DEPTH 4385 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.842	34.637	23.117	0.000
10	24.811	34.635	23.124	0.047
20	24.774	34.634	23.135	0.095
30	24.689	34.630	23.158	0.142
40	24.427	34.625	23.232	0.189
50	23.648	34.613	23.454	0.235
60	23.013	34.660	23.674	0.278
70	22.158	34.699	23.946	0.319
80	21.239	34.787	24.268	0.357
90	20.972	34.853	24.391	0.394
100	20.842	34.870	24.439	0.429
110	20.729	34.875	24.473	0.464
120	19.345	34.846	24.816	0.498
130	18.865	34.856	24.947	0.529
140	17.161	34.822	25.340	0.558
150	15.614	34.847	25.719	0.582
160	15.014	34.893	25.887	0.605
170	14.121	34.883	26.072	0.625
180	13.467	34.910	26.229	0.644
190	13.259	34.911	26.272	0.662
200	13.042	34.900	26.307	0.680
250	11.971	34.841	26.471	0.765
300	11.271	34.790	26.563	0.844
350	10.420	34.738	26.675	0.918
400	9.487	34.686	26.793	0.987
450	8.768	34.653	26.884	1.052
499	8.106	34.622	26.961	1.111

CAST EP5-88-OC -019 DATE 23 NOV 88 TIME 0408 GMT

LAT 02 59.7N LONG 140 01.6W



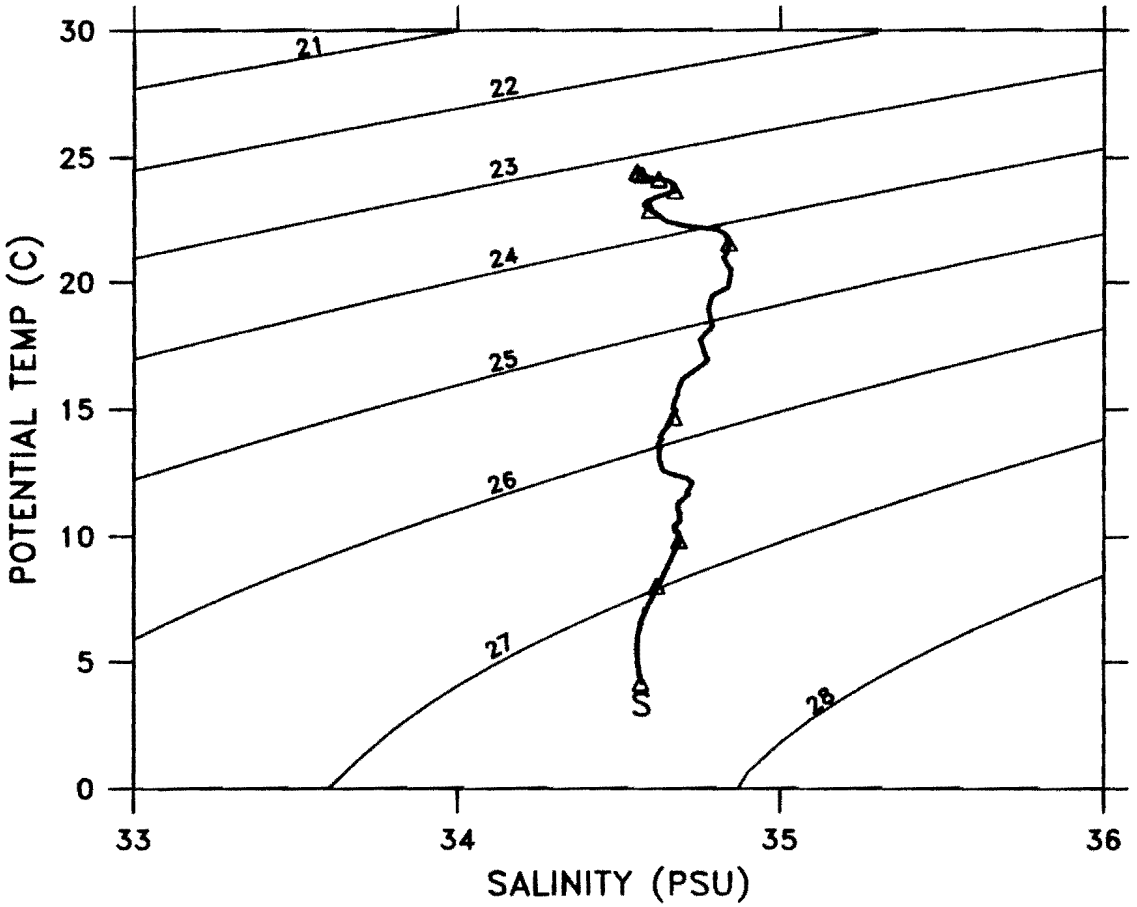


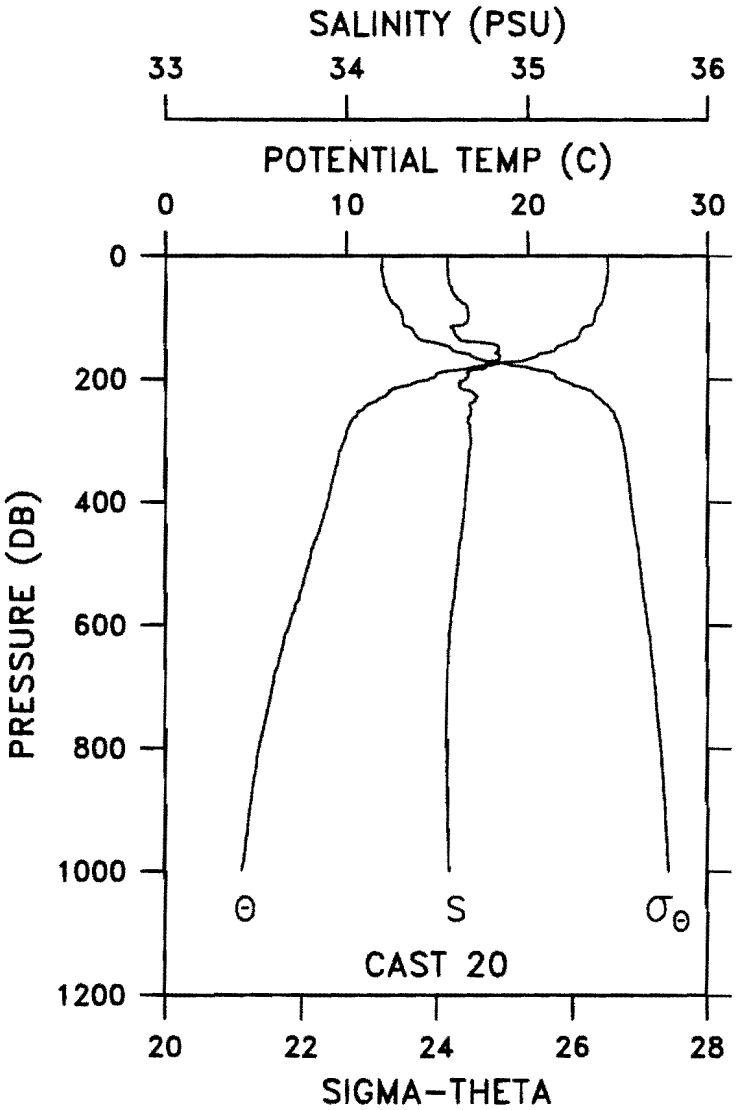
CAST EP5-88-OC -019 DATE 23 NOV 88 TIME 0408 GMT
LAT 02 59.7N LONG 140 01.6W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 110 T SPD 13 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 23.9 WET 21.5 DEPTH 4297 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.514	34.616	23.199	0.000
10	24.519	34.607	23.191	0.047
20	24.507	34.606	23.194	0.094
30	24.446	34.604	23.211	0.140
40	24.436	34.604	23.214	0.187
50	24.422	34.606	23.219	0.234
60	24.346	34.617	23.250	0.280
70	23.883	34.675	23.432	0.326
80	23.642	34.636	23.473	0.370
90	22.960	34.654	23.685	0.414
100	22.661	34.740	23.835	0.455
110	21.957	34.710	24.011	0.496
120	21.108	34.811	24.322	0.534
130	20.955	34.873	24.411	0.570
140	20.765	34.884	24.471	0.605
150	19.035	34.817	24.873	0.638
160	17.002	34.838	25.390	0.667
170	14.993	34.855	25.862	0.691
180	13.502	34.718	26.073	0.712
190	12.804	34.681	26.186	0.731
200	12.025	34.692	26.345	0.749
250	11.270	34.792	26.565	0.829
300	10.552	34.742	26.655	0.904
350	9.796	34.699	26.752	0.974
400	9.226	34.665	26.820	1.040
450	8.541	34.634	26.904	1.104
500	7.813	34.611	26.997	1.163
550	7.224	34.592	27.066	1.219
600	6.624	34.573	27.134	1.271
650	6.030	34.560	27.202	1.320
700	5.701	34.554	27.238	1.366
750	5.352	34.550	27.277	1.412
800	5.068	34.553	27.313	1.455
900	4.551	34.560	27.377	1.537
999	4.140	34.569	27.429	1.612

CAST EP5-88-OC -020 DATE 23 NOV 88 TIME 0940 GMT

LAT 03 59.4N LONG 139 59.6W



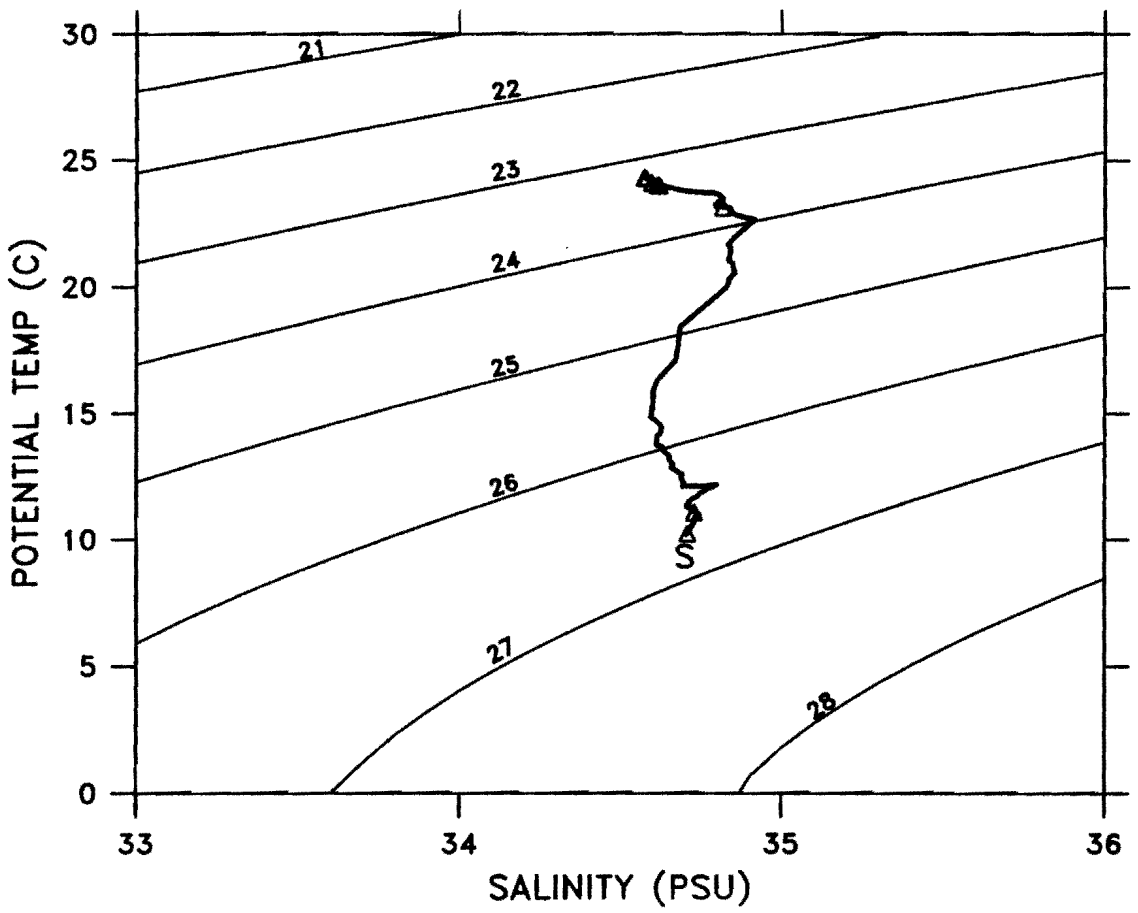


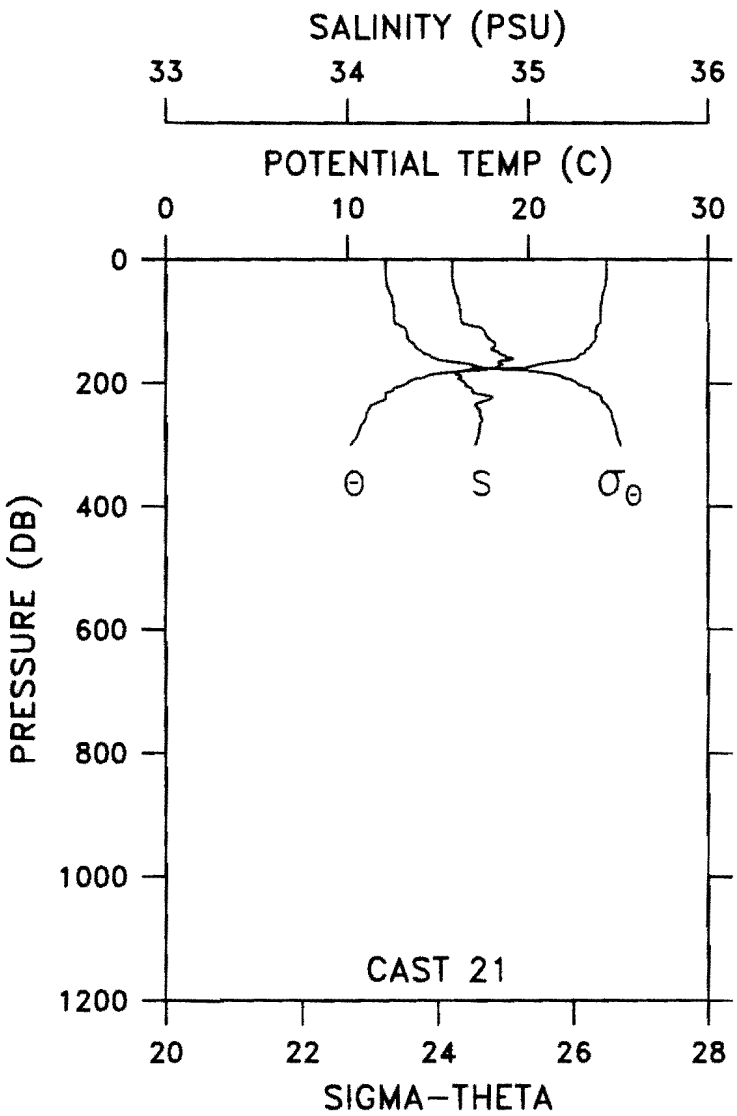
CAST EP5-88-OC -020 DATE 23 NOV 88 TIME 0940 GMT
LAT 03 59.4N LONG 139 59.6W WEATHER 1 SEA STATE 3
BAROMETER 14 WIND DIR 140 T SPD 15 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 24.4 WET 22.1 DEPTH 4340 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.407	34.560	23.189	0.000
10	24.410	34.560	23.188	0.047
20	24.413	34.560	23.187	0.094
30	24.396	34.561	23.193	0.140
40	24.351	34.567	23.211	0.187
50	24.267	34.581	23.247	0.234
60	24.223	34.591	23.267	0.280
70	24.151	34.615	23.307	0.326
80	23.981	34.664	23.394	0.372
90	23.756	34.672	23.467	0.417
100	23.665	34.674	23.495	0.461
110	23.583	34.656	23.505	0.505
120	22.943	34.592	23.642	0.549
130	22.822	34.607	23.688	0.592
140	22.200	34.741	23.966	0.633
150	21.575	34.841	24.216	0.672
160	20.557	34.845	24.497	0.708
170	19.779	34.835	24.695	0.743
180	17.077	34.769	25.319	0.773
190	15.038	34.667	25.708	0.798
200	14.547	34.662	25.811	0.821
250	10.838	34.686	26.561	0.911
300	9.877	34.691	26.732	0.982
350	9.368	34.672	26.802	1.049
400	8.949	34.656	26.857	1.113
450	8.446	34.638	26.922	1.175
500	7.910	34.618	26.987	1.234
550	7.407	34.598	27.045	1.291
600	6.822	34.576	27.109	1.344
650	6.323	34.564	27.167	1.395
700	5.877	34.557	27.219	1.443
750	5.533	34.556	27.260	1.489
800	5.142	34.558	27.309	1.533
900	4.628	34.561	27.370	1.616
1000	4.189	34.571	27.425	1.693
1002	4.173	34.570	27.426	1.695

CAST EP5-88-OC -021 DATE 23 NOV 88 TIME 1554 GMT

LAT 05 08.3N LONG 140 03.7W



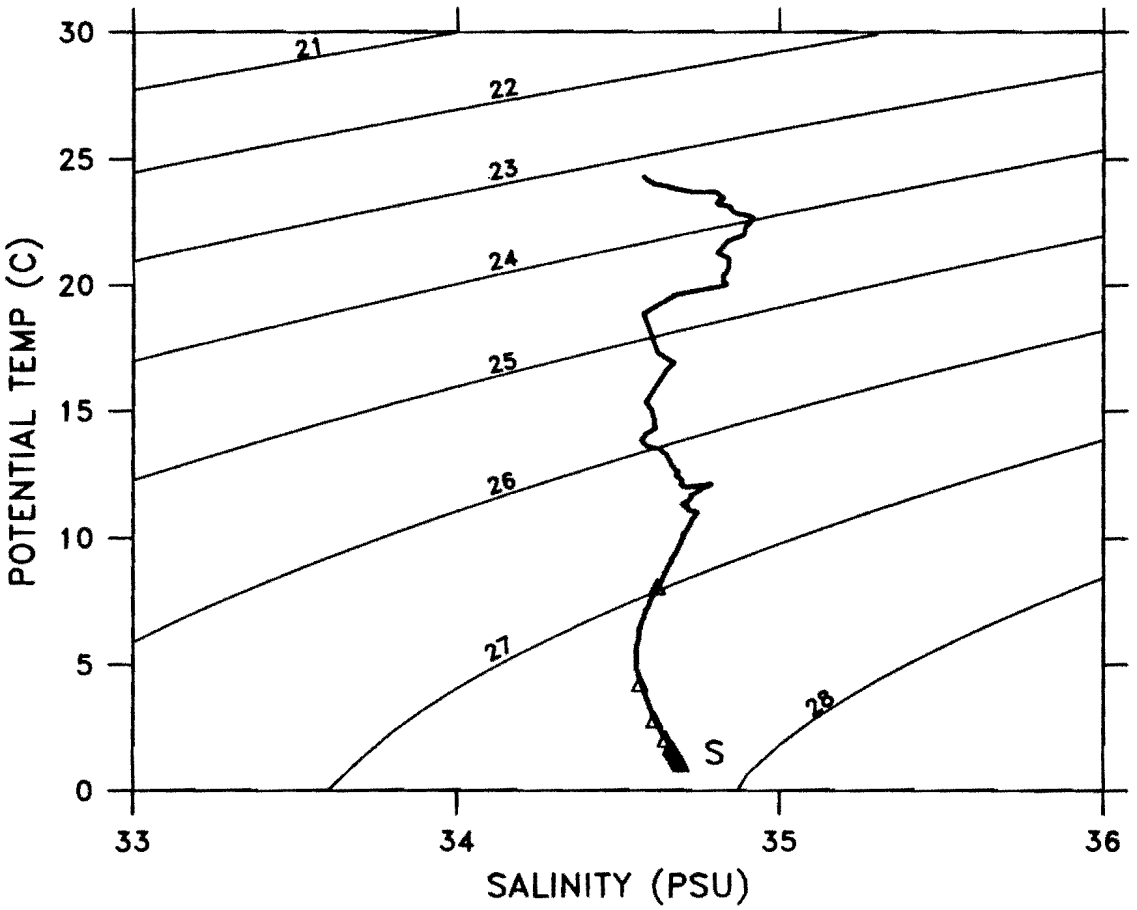


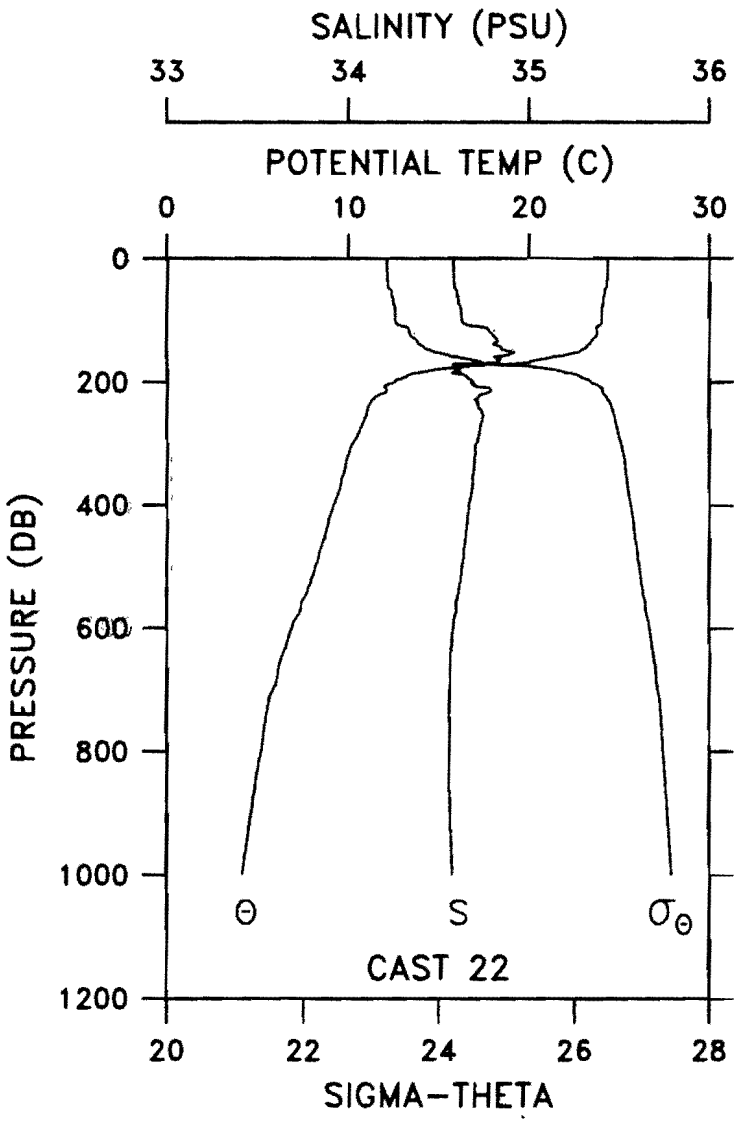
CAST EP5-88-OC -021 DATE 23 NOV 88 TIME 1554 GMT
LAT 05 08.3N LONG 140 03.7W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 140 T SPD 14 KT VISIBILITY 8
CLOUD 4 AMOUNT 6 DRY 24.5 WET 22.2 DEPTH 4352 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.294	34.584	23.241	0.000
10	24.303	34.578	23.234	0.046
20	24.304	34.578	23.233	0.093
30	24.288	34.579	23.239	0.139
40	24.257	34.583	23.251	0.185
50	24.168	34.592	23.284	0.232
60	24.067	34.605	23.325	0.278
70	24.020	34.613	23.344	0.323
80	23.996	34.619	23.356	0.369
90	23.997	34.625	23.360	0.414
100	24.001	34.630	23.363	0.460
110	23.746	34.735	23.517	0.505
120	23.720	34.761	23.544	0.549
130	23.712	34.790	23.569	0.592
140	23.447	34.814	23.664	0.636
150	23.119	34.835	23.776	0.678
160	22.664	34.917	23.968	0.719
170	20.552	34.855	24.506	0.757
180	16.738	34.643	25.303	0.789
190	14.315	34.626	25.832	0.813
200	13.323	34.650	26.057	0.834
250	11.074	34.733	26.554	0.919
300	10.197	34.705	26.688	0.993
301	10.177	34.704	26.691	0.994

CAST EP5-88-OC -022 DATE 23 NOV 88 TIME 1911 GMT

LAT 05 07.6N LONG 140 02.3W



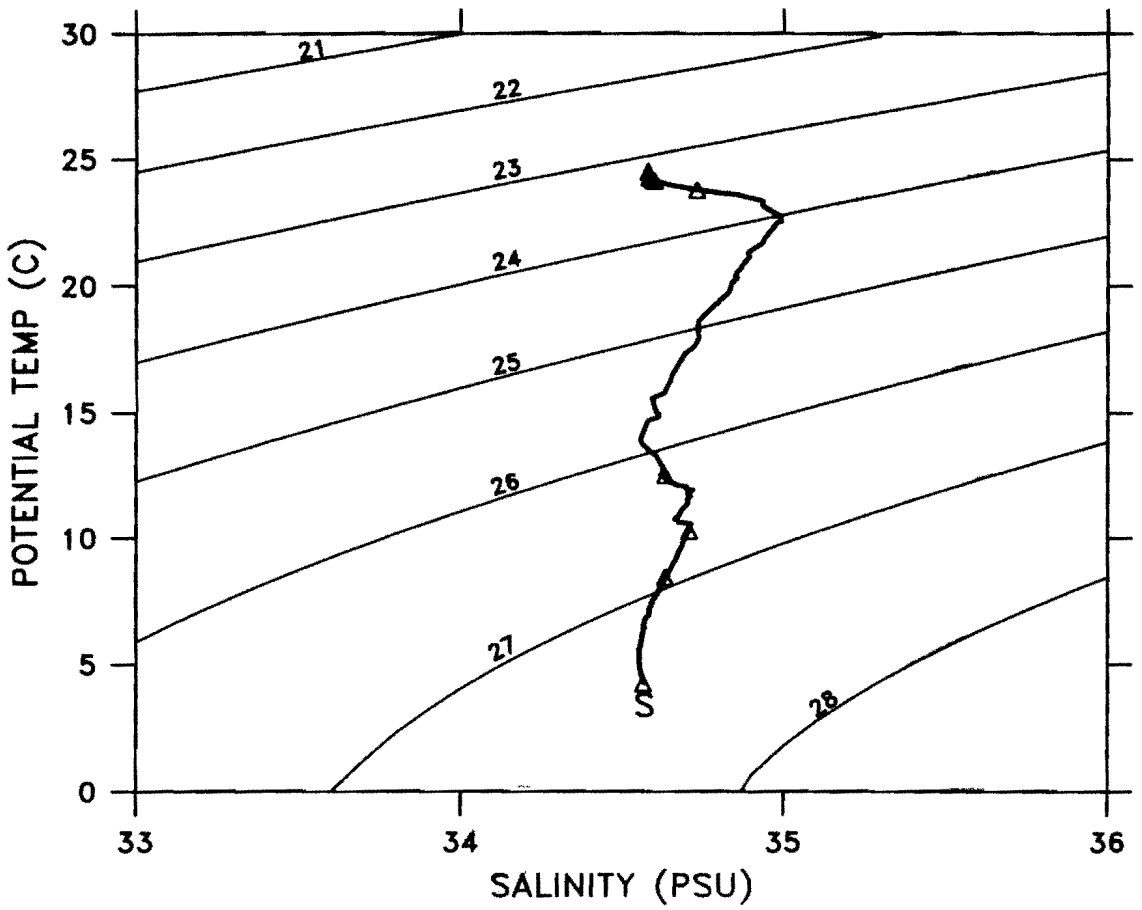


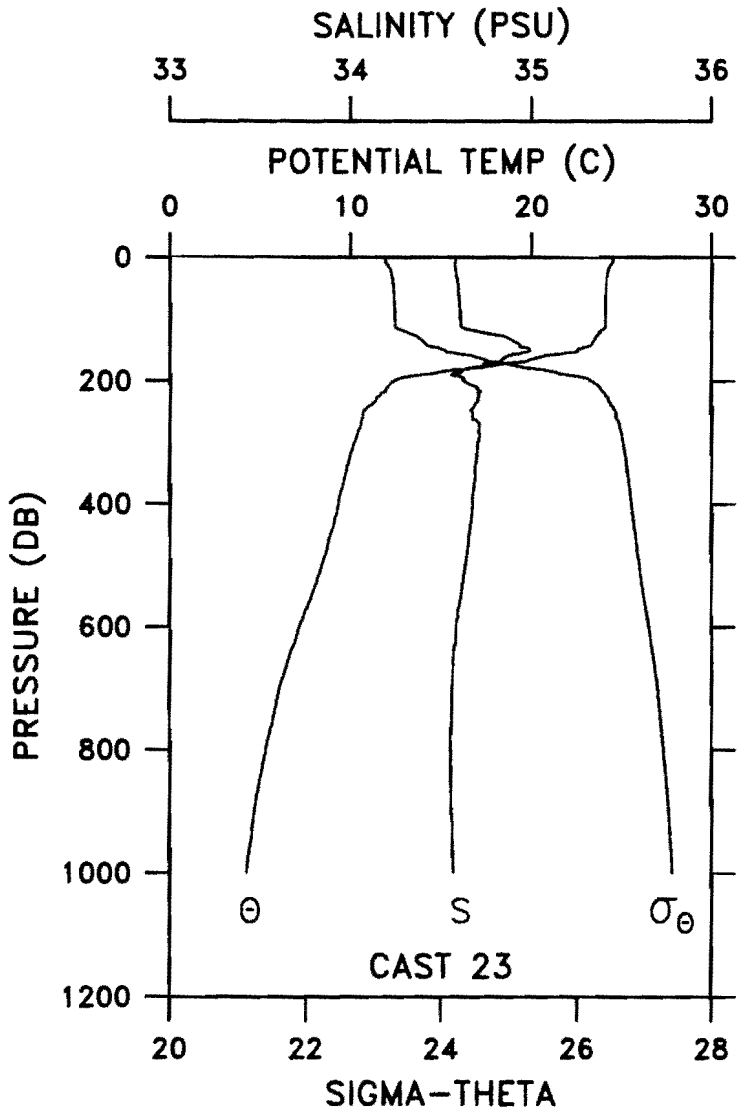
CAST EP5-88-OC -022 DATE 23 NOV 88 TIME 1911 GMT
LAT 05 07.6N LONG 140 02.3W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 150 T SPD 15 KT VISIBILITY 8
CLOUD 2 AMOUNT 2 DRY 24.9 WET 23.6 DEPTH 4377 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.307	34.579	23.233	0.000
10	24.304	34.579	23.234	0.046
20	24.302	34.579	23.235	0.093
30	24.294	34.579	23.237	0.139
40	24.269	34.582	23.247	0.186
50	24.162	34.590	23.285	0.232
60	24.115	34.599	23.305	0.278
70	24.054	34.607	23.330	0.323
80	24.003	34.619	23.354	0.369
90	23.999	34.623	23.358	0.415
100	23.992	34.624	23.361	0.460
110	23.725	34.723	23.515	0.505
120	23.717	34.788	23.566	0.549
130	23.503	34.821	23.654	0.593
140	23.187	34.818	23.743	0.635
150	22.795	34.890	23.911	0.677
160	21.255	34.807	24.279	0.715
170	19.617	34.678	24.618	0.750
180	14.760	34.608	25.723	0.777
190	13.265	34.650	26.069	0.799
200	12.591	34.687	26.232	0.818
250	11.016	34.739	26.570	0.899
300	10.237	34.708	26.684	0.973
350	9.735	34.689	26.754	1.042
400	9.170	34.664	26.828	1.108
450	8.712	34.649	26.890	1.172
500	8.154	34.627	26.958	1.232
550	7.553	34.602	27.027	1.290
600	6.851	34.579	27.108	1.344
650	6.232	34.564	27.179	1.395
700	5.794	34.559	27.230	1.442
750	5.383	34.557	27.279	1.487
800	5.135	34.556	27.308	1.531
900	4.610	34.562	27.372	1.613
1000	4.125	34.574	27.434	1.690
1500	2.798	34.614	27.595	2.017
2000	2.026	34.648	27.688	2.288
2500	1.707	34.665	27.726	2.530
3000	1.503	34.675	27.749	2.765
3500	1.252	34.686	27.776	2.989
4000	1.091	34.694	27.793	3.206
4099	1.062	34.696	27.797	3.249

CAST EP5-88-OC -023 DATE 24 NOV 88 TIME 0036 GMT

LAT 05 29.7N LONG 139 58.7W



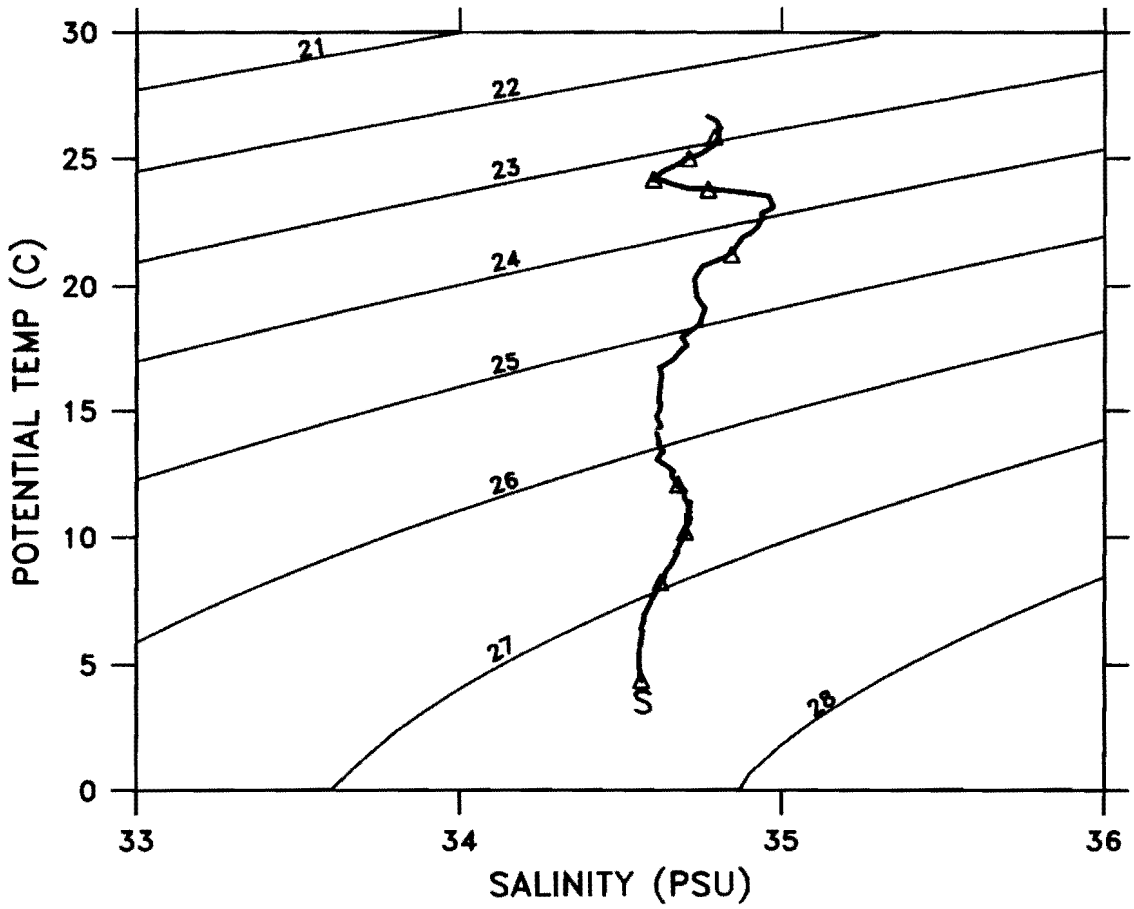


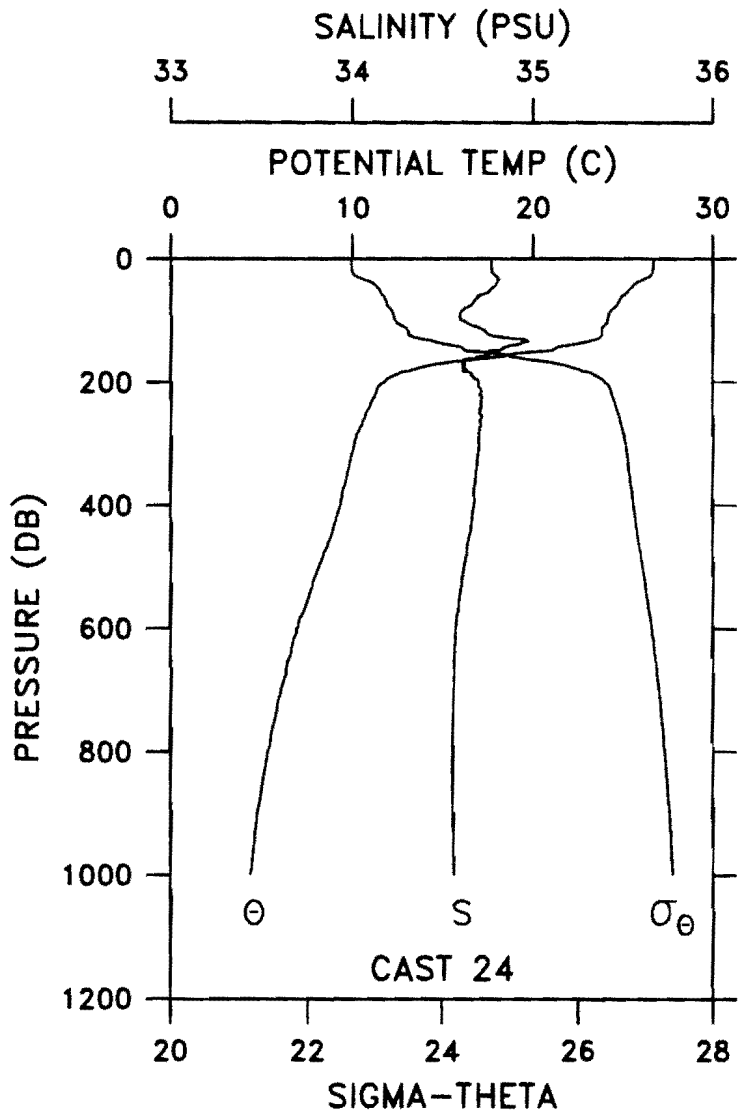
CAST EP5-88-OC -023 DATE 24 NOV 88 TIME 0036 GMT
LAT 05 29.7N LONG 139 58.7W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 155 T SPD 14 KT VISIBILITY 8
CLOUD 6 AMOUNT 3 DRY 28.0 WET 24.9 DEPTH 4850 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.486	34.578	23.179	0.000
10	24.424	34.575	23.195	0.047
20	24.246	34.581	23.253	0.093
30	24.196	34.584	23.270	0.139
40	24.157	34.591	23.287	0.185
50	24.137	34.596	23.296	0.231
60	24.130	34.597	23.300	0.277
70	24.115	34.601	23.307	0.323
80	24.102	34.604	23.313	0.369
90	24.093	34.607	23.318	0.415
100	24.092	34.607	23.318	0.461
110	24.091	34.610	23.321	0.507
120	23.825	34.710	23.475	0.553
130	23.553	34.866	23.673	0.596
140	23.354	34.930	23.780	0.638
150	22.575	34.992	24.051	0.679
160	20.684	34.869	24.481	0.716
170	19.283	34.791	24.790	0.750
180	16.499	34.656	25.369	0.779
190	13.965	34.557	25.853	0.804
200	12.417	34.627	26.220	0.823
250	10.698	34.671	26.574	0.906
300	10.205	34.701	26.684	0.979
350	9.749	34.688	26.751	1.048
400	9.350	34.674	26.807	1.115
450	8.885	34.655	26.866	1.180
500	8.392	34.634	26.927	1.242
550	7.828	34.611	26.994	1.301
600	7.157	34.584	27.069	1.357
650	6.577	34.569	27.137	1.410
700	6.066	34.561	27.197	1.460
750	5.710	34.558	27.240	1.507
800	5.322	34.554	27.284	1.552
900	4.701	34.558	27.359	1.636
1000	4.258	34.568	27.416	1.715
1000	4.258	34.568	27.416	1.715

CAST EP5-88-OC -024 DATE 24 NOV 88 TIME 0419 GMT

LAT 05 58.9N LONG 139 59.4W



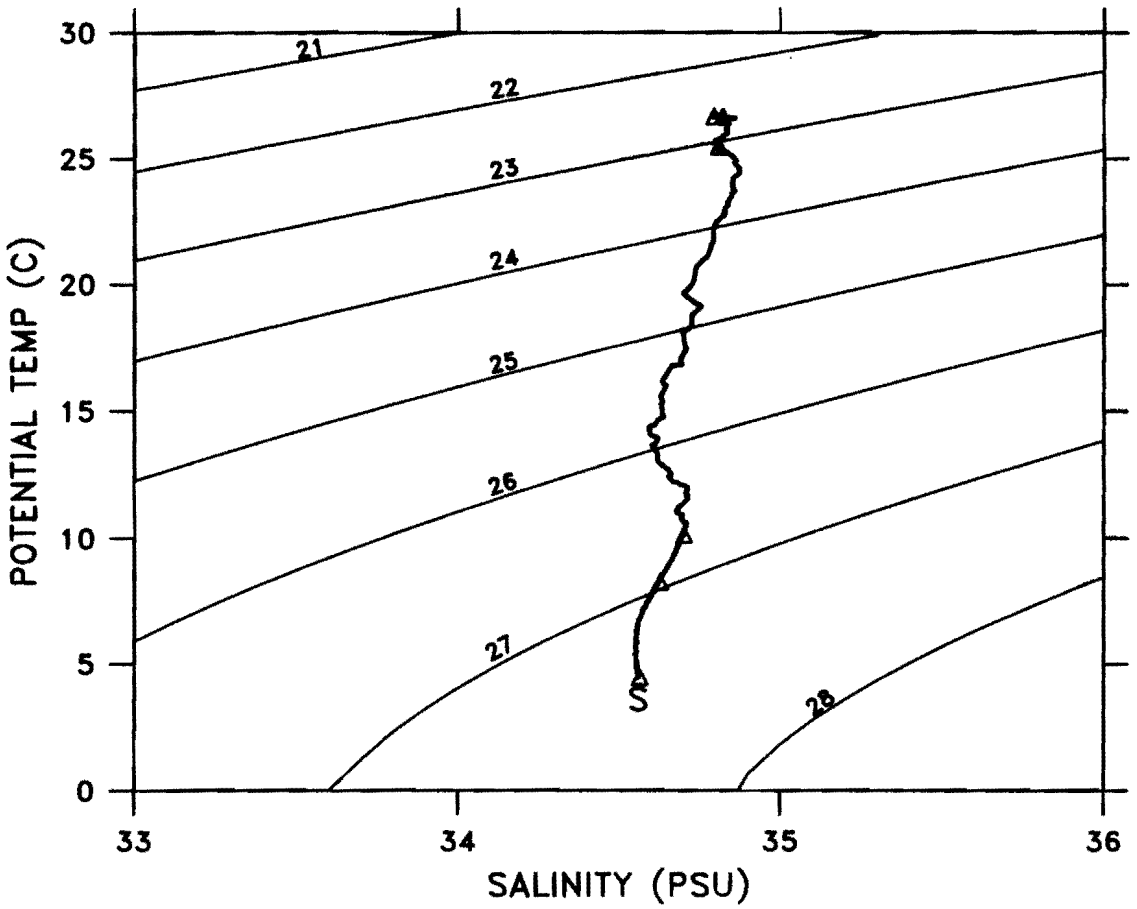


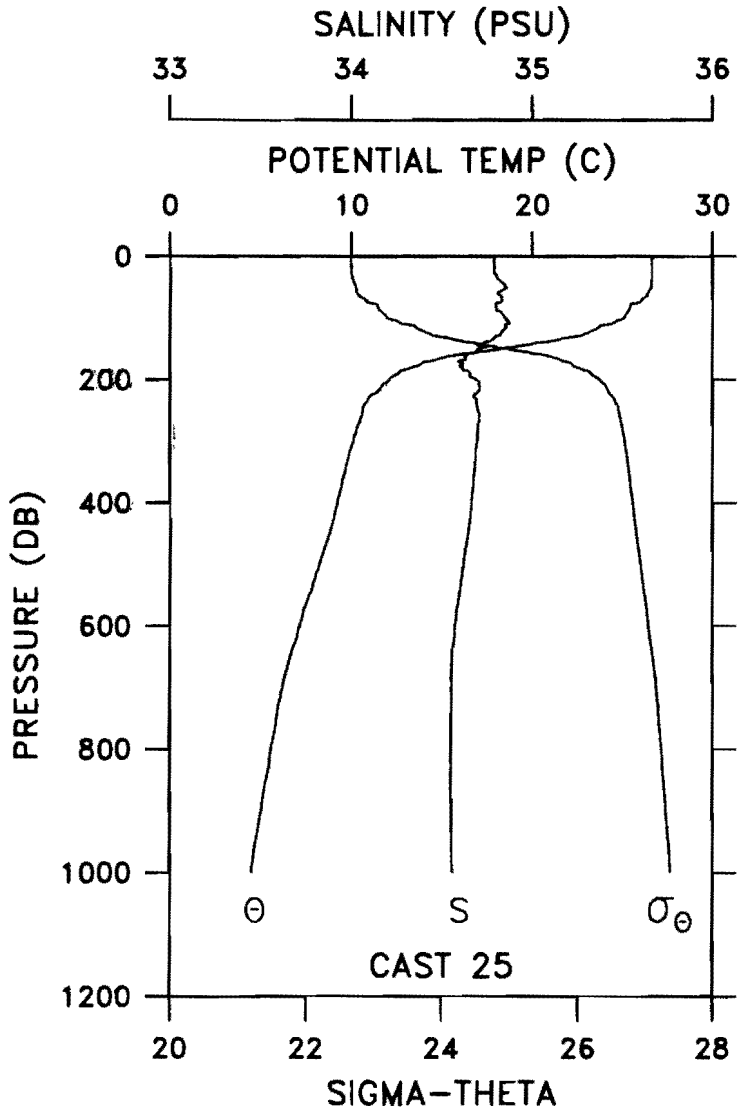
CAST EP5-88-OC -024 DATE 24 NOV 88 TIME 0419 GMT
LAT 05 58.9N LONG 139 59.4W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 140 T SPD 14 KT VISIBILITY 8
CLOUD 6 AMOUNT 4 DRY 26.1 WET 23.2 DEPTH 4844 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.664	34.768	22.652	0.000
10	26.666	34.769	22.652	0.052
20	26.650	34.772	22.659	0.104
30	26.382	34.803	22.767	0.155
40	25.652	34.796	22.989	0.205
50	25.301	34.764	23.073	0.254
60	24.924	34.696	23.137	0.301
70	24.716	34.670	23.180	0.349
80	24.416	34.622	23.233	0.396
90	24.197	34.597	23.280	0.442
100	24.133	34.617	23.314	0.488
110	23.875	34.693	23.448	0.534
120	23.812	34.744	23.505	0.578
130	23.535	34.957	23.747	0.622
140	21.904	34.877	24.153	0.662
150	20.256	34.728	24.488	0.699
160	17.603	34.707	25.146	0.730
170	14.766	34.611	25.724	0.756
180	13.335	34.630	26.039	0.777
190	12.208	34.671	26.294	0.796
200	11.765	34.699	26.400	0.813
250	10.756	34.706	26.591	0.891
300	10.108	34.703	26.702	0.964
350	9.701	34.685	26.757	1.033
400	9.323	34.674	26.811	1.099
450	8.800	34.651	26.877	1.163
500	8.149	34.621	26.954	1.225
550	7.561	34.598	27.023	1.282
600	6.920	34.573	27.094	1.337
650	6.472	34.566	27.148	1.388
700	6.057	34.566	27.203	1.438
750	5.708	34.561	27.242	1.485
800	5.325	34.558	27.287	1.530
900	4.770	34.561	27.353	1.615
1000	4.368	34.567	27.402	1.694
1001	4.368	34.566	27.402	1.695

CAST EP5-88-OC -025 DATE 24 NOV 88 TIME 0752 GMT

LAT 06 30.3N LONG 139 59.9W



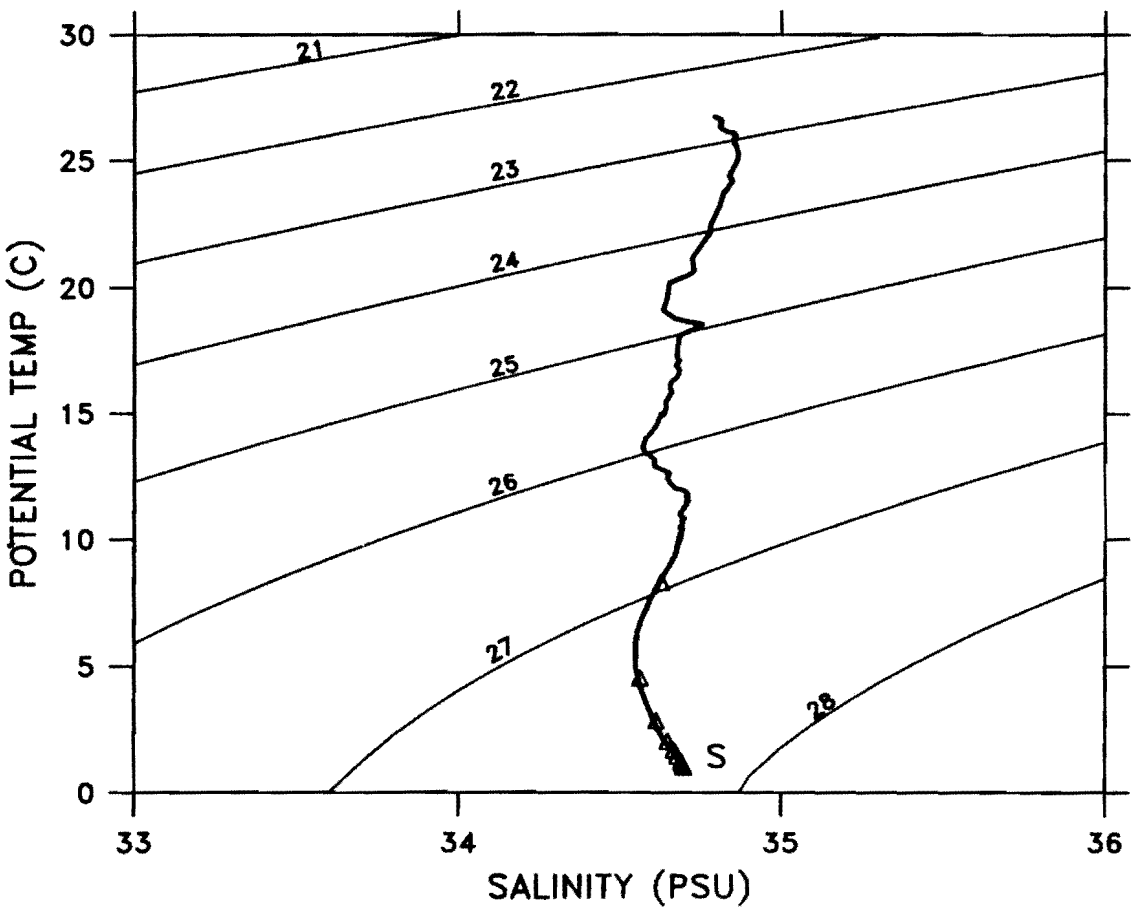


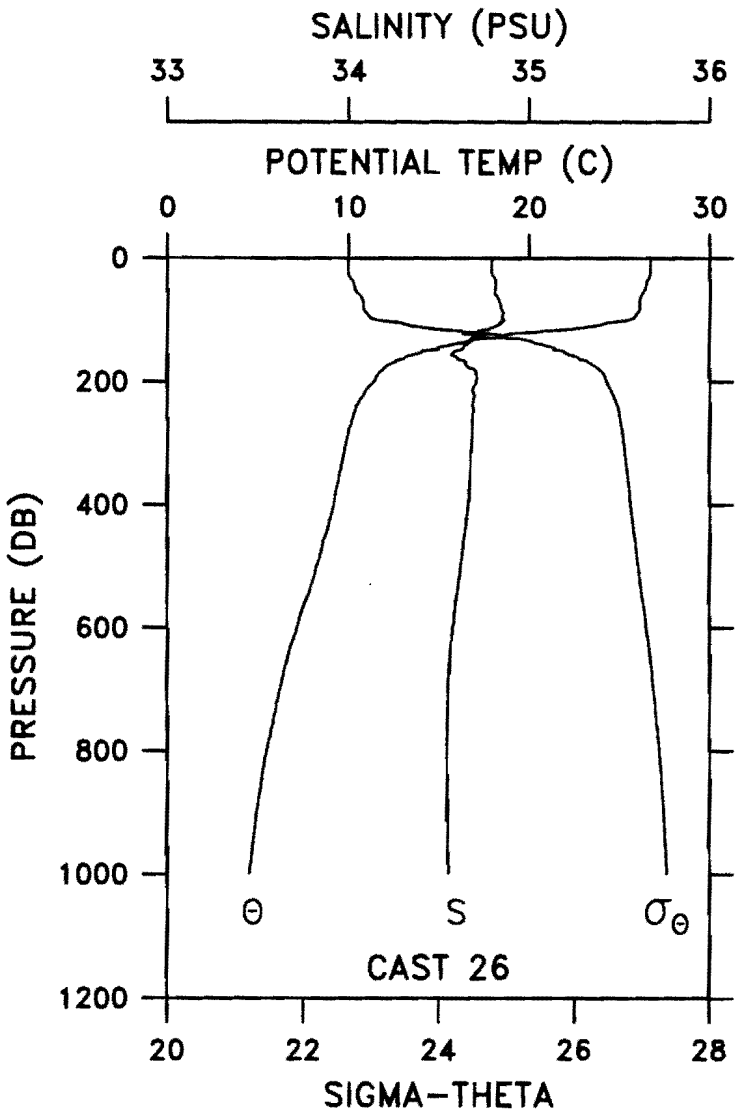
CAST EP5-88-OC -025 DATE 24 NOV 88 TIME 0752 GMT
LAT 06 30.3N LONG 139 59.9W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 140 T SPD 14 KT VISIBILITY 8
CLOUD 6 AMOUNT 4 DRY 26.0 WET 22.9 DEPTH 4822 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.684	34.791	22.663	0.000
10	26.678	34.790	22.664	0.052
20	26.674	34.792	22.667	0.104
30	26.676	34.802	22.674	0.155
40	26.651	34.828	22.701	0.207
50	26.610	34.860	22.738	0.259
60	26.432	34.812	22.758	0.310
70	26.137	34.833	22.866	0.361
80	25.461	34.802	23.052	0.410
90	25.296	34.829	23.123	0.458
100	25.086	34.851	23.204	0.505
110	24.221	34.853	23.466	0.551
120	23.330	34.839	23.717	0.594
130	22.326	34.796	23.973	0.636
140	20.256	34.733	24.492	0.673
150	18.223	34.714	24.999	0.706
160	15.841	34.641	25.508	0.733
170	14.395	34.592	25.789	0.757
180	13.419	34.616	26.011	0.778
190	12.612	34.659	26.206	0.797
200	12.105	34.695	26.333	0.815
250	10.634	34.703	26.610	0.894
300	10.111	34.701	26.700	0.966
350	9.636	34.682	26.765	1.035
400	9.235	34.667	26.820	1.101
450	8.793	34.649	26.877	1.165
500	8.248	34.625	26.943	1.227
550	7.681	34.599	27.006	1.285
600	7.178	34.575	27.059	1.341
650	6.633	34.560	27.122	1.394
700	6.217	34.555	27.173	1.445
750	5.887	34.554	27.215	1.493
800	5.572	34.553	27.253	1.540
900	5.038	34.556	27.319	1.629
1000	4.489	34.560	27.384	1.711
1009	4.452	34.561	27.389	1.718

CAST EP5-88-OC -026 DATE 24 NOV 88 TIME 1152 GMT

LAT 06 56.7N LONG 139 58.7W



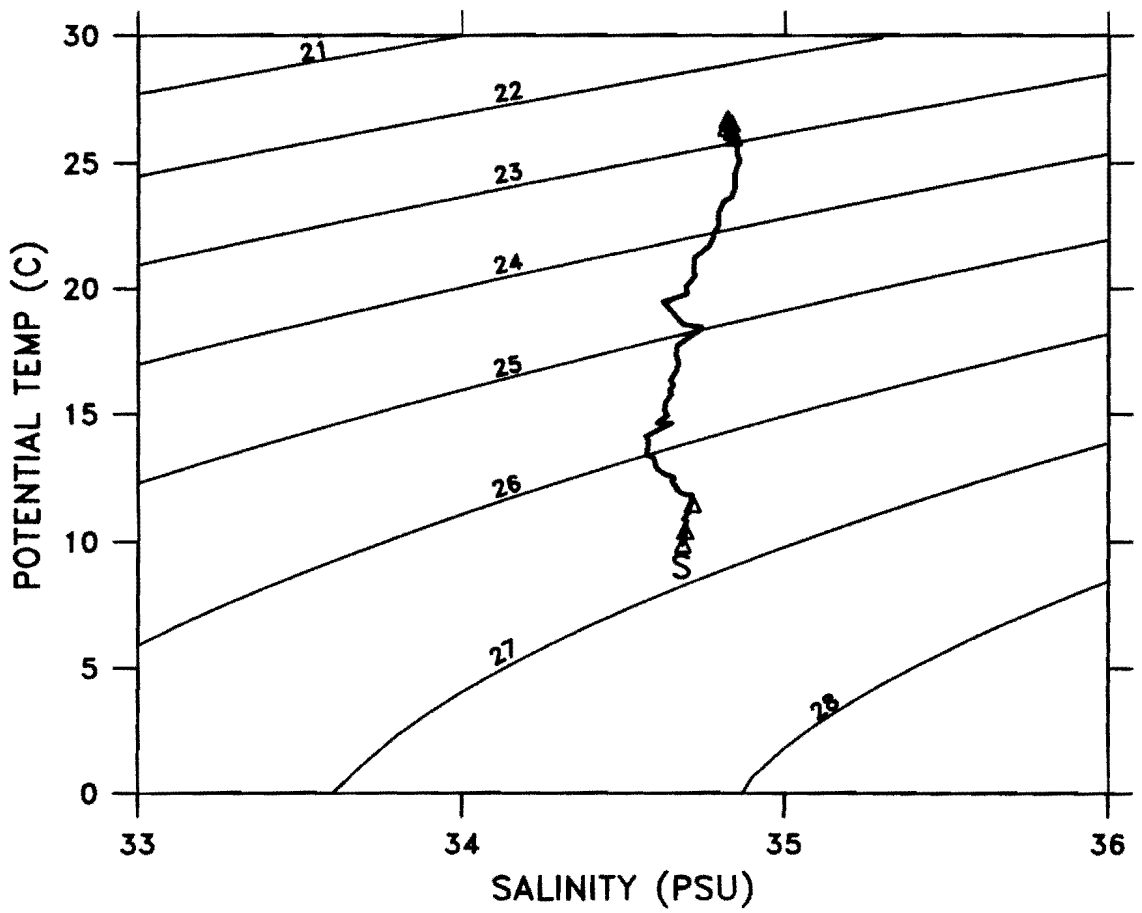


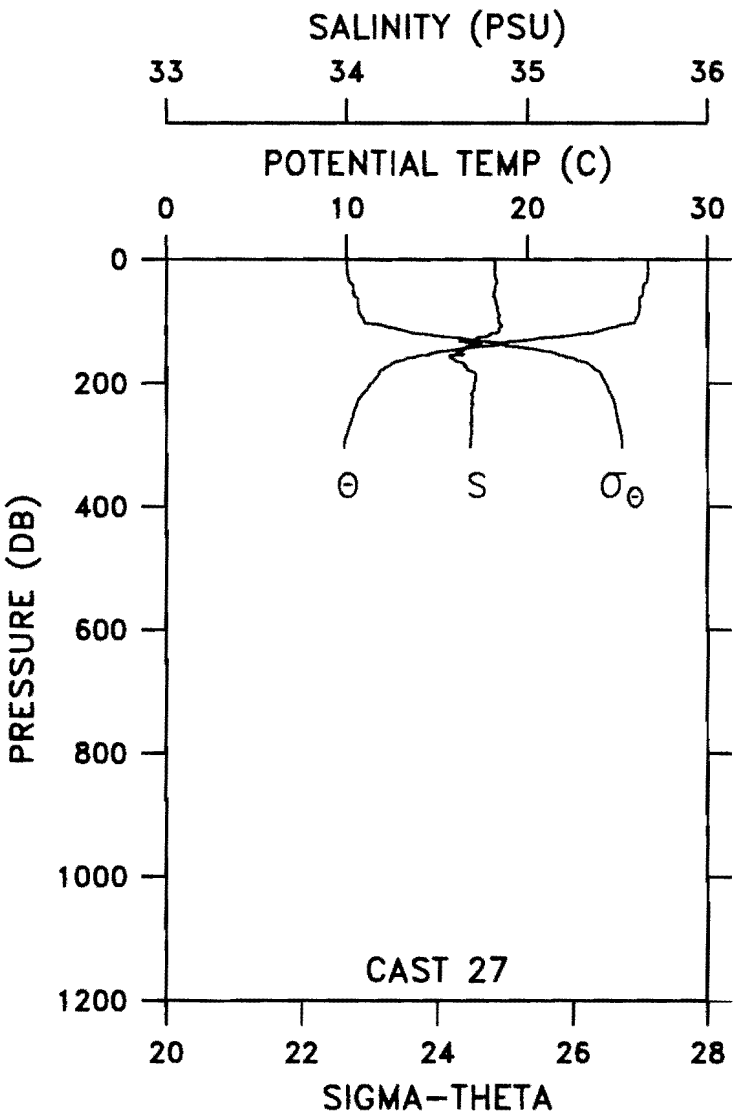
CAST EP5-88-OC -026 DATE 24 NOV 88 TIME 1152 GMT
LAT 06 56.7N LONG 139 58.7W WEATHER 5 SEA STATE 3
BAROMETER 11 WIND DIR 140 T SPD 12 KT VISIBILITY 8
CLOUD 9 AMOUNT 8 DRY 24.1 WET 23.0 DEPTH 4985 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.700	34.794	22.660	0.000
10	26.697	34.793	22.660	0.052
20	26.698	34.793	22.660	0.104
30	26.650	34.804	22.683	0.156
40	26.499	34.815	22.740	0.207
50	26.413	34.809	22.762	0.258
60	26.188	34.819	22.840	0.309
70	26.103	34.836	22.880	0.359
80	26.100	34.845	22.887	0.409
90	25.938	34.857	22.947	0.459
100	25.491	34.859	23.087	0.508
110	23.480	34.814	23.655	0.553
120	20.172	34.653	24.453	0.592
130	17.286	34.675	25.198	0.623
140	15.683	34.652	25.552	0.650
150	14.195	34.595	25.834	0.673
160	13.192	34.600	26.045	0.694
170	12.458	34.648	26.228	0.713
180	11.921	34.698	26.370	0.731
190	11.568	34.708	26.444	0.747
200	11.410	34.706	26.472	0.764
250	10.325	34.693	26.656	0.839
300	9.863	34.682	26.727	0.909
350	9.491	34.675	26.784	0.976
400	9.182	34.663	26.826	1.042
450	8.732	34.643	26.881	1.106
500	8.225	34.622	26.943	1.167
550	7.704	34.597	27.002	1.226
600	7.165	34.578	27.064	1.282
650	6.634	34.563	27.124	1.335
700	6.246	34.553	27.168	1.385
750	5.859	34.549	27.214	1.434
800	5.484	34.548	27.260	1.480
900	4.938	34.550	27.326	1.568
1000	4.538	34.556	27.376	1.651
1500	2.893	34.604	27.579	1.997
2000	2.029	34.641	27.682	2.274
2500	1.681	34.663	27.727	2.516
3000	1.464	34.674	27.751	2.749
3500	1.235	34.684	27.776	2.972
4000	1.081	34.692	27.793	3.188
4500	1.021	34.695	27.799	3.405
4697	1.011	34.695	27.800	3.493

CAST EP5-88-OC -027 DATE 24 NOV 88 TIME 2301 GMT

LAT 07 01.7N LONG 140 00.5W



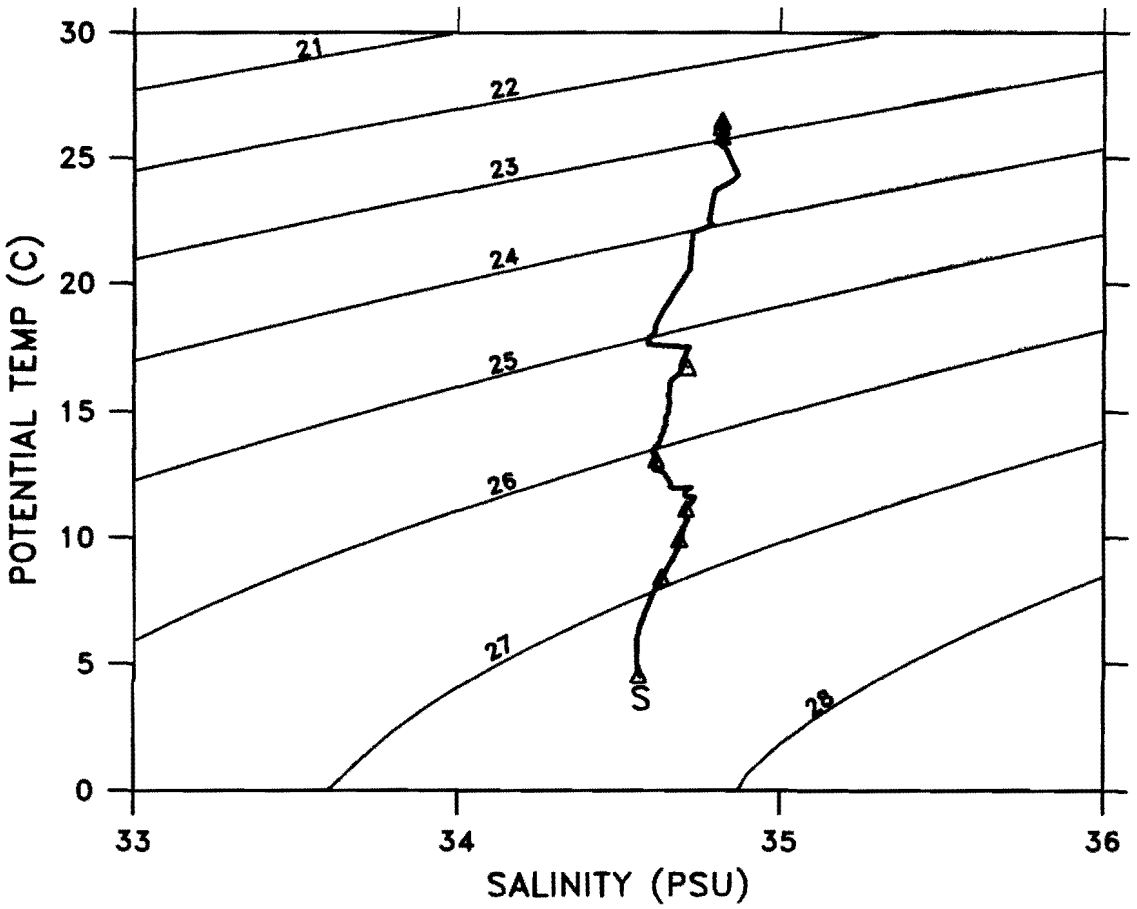


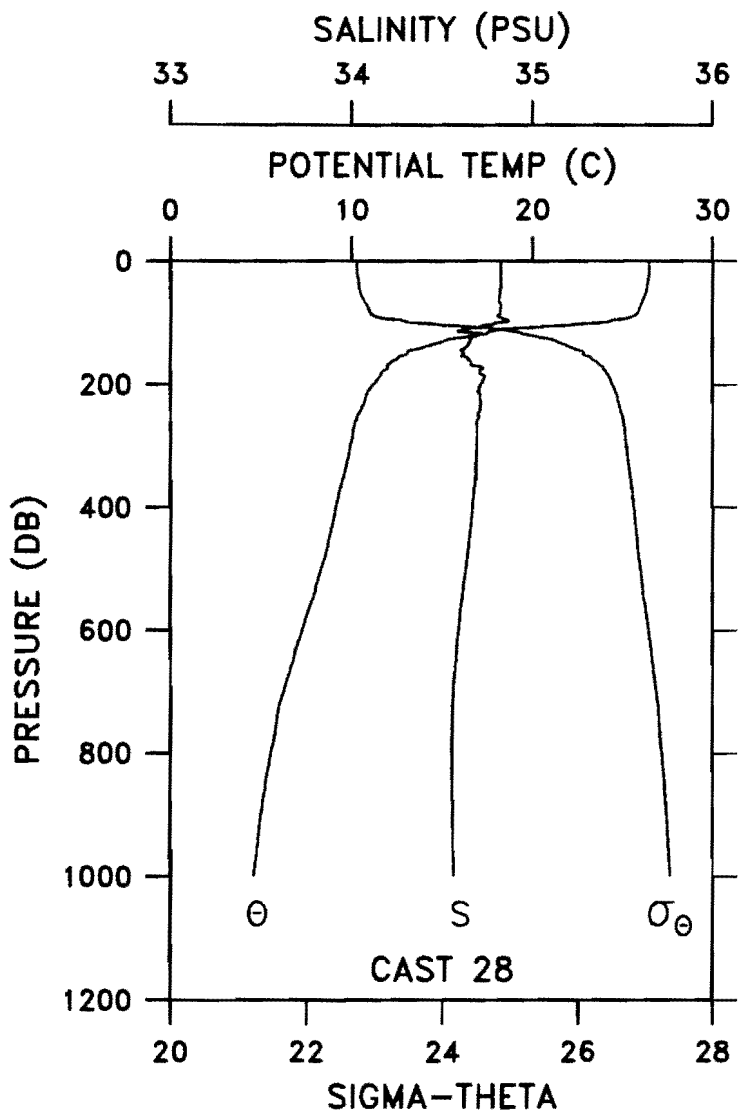
CAST EP5-88-OC -027 DATE 24 NOV 88 TIME 2301 GMT
LAT 07 01.7N LONG 140 00.5W WEATHER 2 SEA STATE 4
BAROMETER 10 WIND DIR 140 T SPD 20 KT VISIBILITY 8
CLOUD 3 AMOUNT 3 DRY 26.8 WET 24.1 DEPTH 4998 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.716	34.819	22.674	0.000
10	26.717	34.819	22.673	0.052
20	26.716	34.819	22.674	0.103
30	26.665	34.821	22.691	0.155
40	26.472	34.824	22.755	0.207
50	26.415	34.816	22.767	0.258
60	26.302	34.810	22.797	0.309
70	26.228	34.826	22.832	0.359
80	26.217	34.833	22.841	0.410
90	26.134	34.846	22.878	0.460
100	25.972	34.839	22.923	0.510
110	24.649	34.847	23.334	0.558
120	22.971	34.793	23.786	0.602
130	20.089	34.694	24.506	0.640
140	17.716	34.667	25.088	0.671
150	14.920	34.636	25.710	0.697
160	13.295	34.587	26.014	0.719
170	12.443	34.657	26.238	0.738
180	11.846	34.684	26.373	0.756
190	11.671	34.711	26.427	0.773
200	11.372	34.705	26.478	0.789
250	10.358	34.689	26.648	0.864
300	9.888	34.683	26.724	0.934
304	9.875	34.683	26.726	0.940

CAST EP5-88-OC -028 DATE 25 NOV 88 TIME 0156 GMT

LAT 07 29.7N LONG 139 59.1W



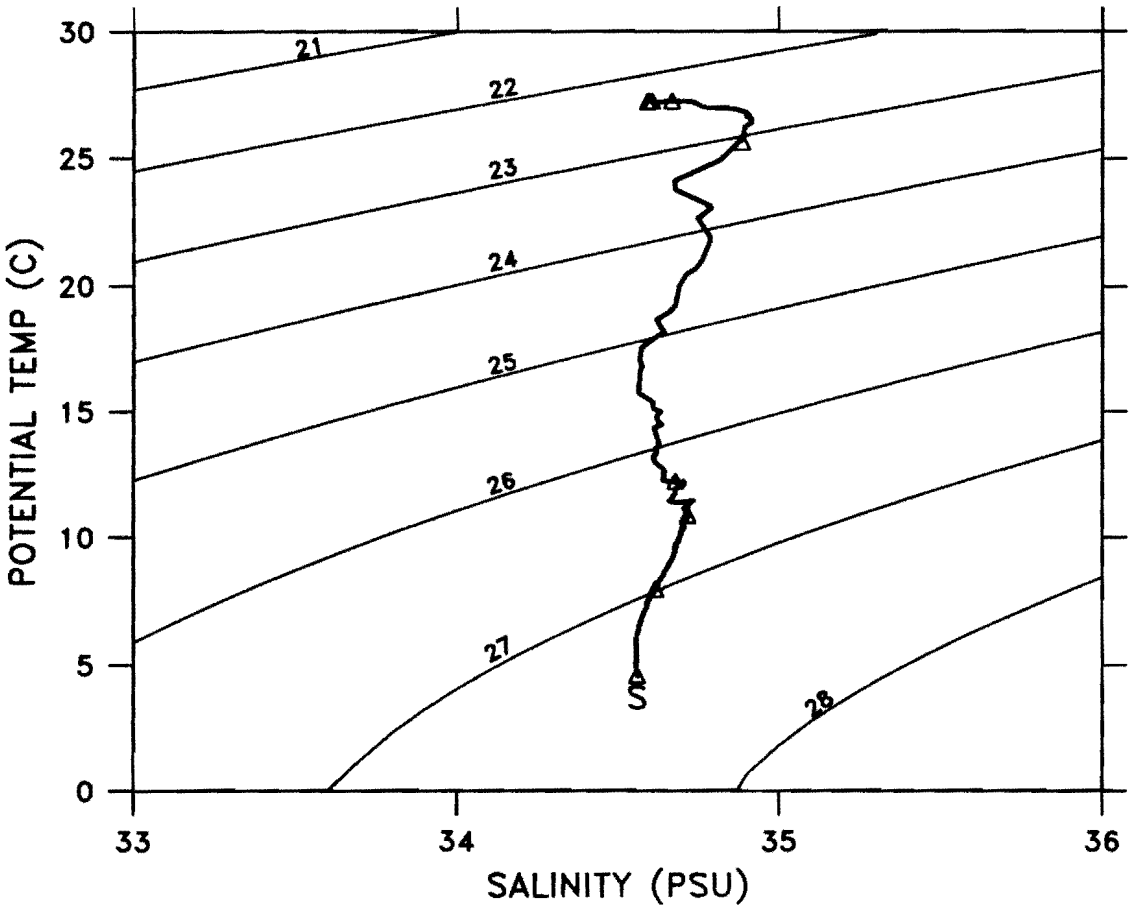


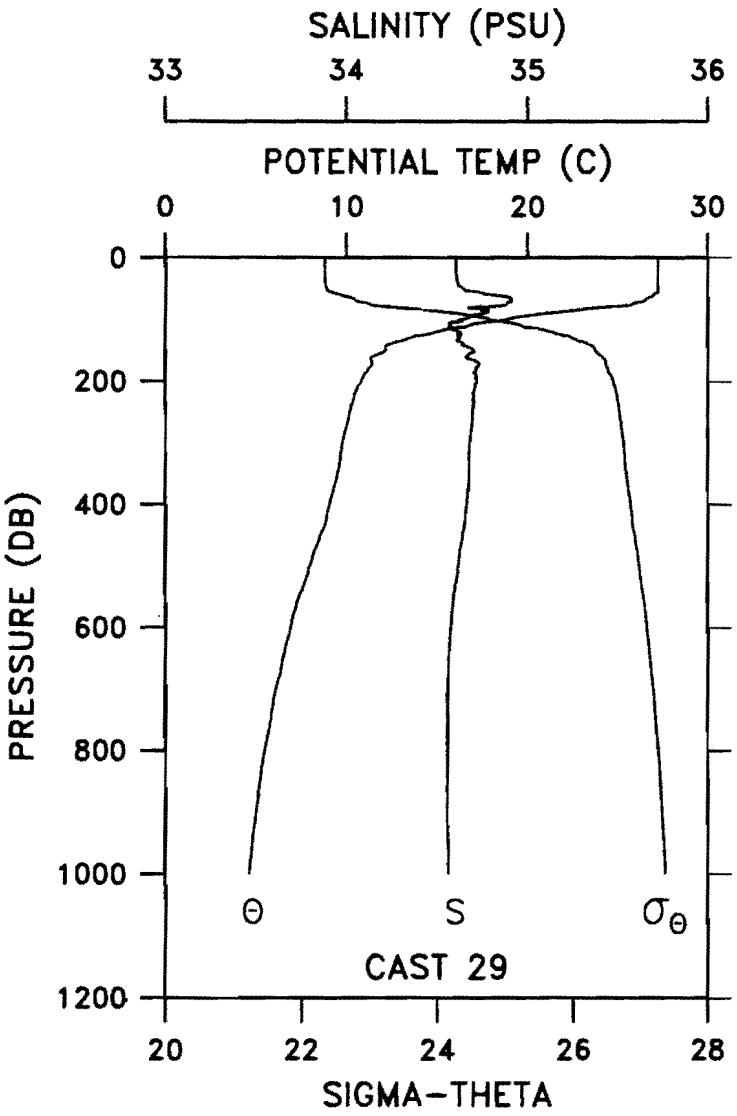
CAST EP5-88-OC -028 DATE 25 NOV 88 TIME 0156 GMT
LAT 07 29.7N LONG 139 59.1W WEATHER 1 SEA STATE 4
BAROMETER 10 WIND DIR 140 T SPD 16 KT VISIBILITY 8
CLOUD 4 AMOUNT 2 DRY 29.1 WET 25.2 DEPTH 4924 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.502	34.824	22.745	0.000
10	26.500	34.823	22.745	0.051
20	26.496	34.824	22.747	0.102
30	26.445	34.824	22.763	0.153
40	26.407	34.823	22.774	0.204
50	26.350	34.819	22.789	0.255
60	26.206	34.815	22.831	0.305
70	26.045	34.823	22.888	0.356
80	25.903	34.820	22.930	0.405
90	25.543	34.812	23.035	0.455
100	23.675	34.796	23.584	0.501
110	18.687	34.625	24.815	0.538
120	16.882	34.694	25.309	0.567
130	15.073	34.654	25.690	0.592
140	13.974	34.628	25.906	0.614
150	13.079	34.619	26.082	0.635
160	12.452	34.644	26.226	0.654
170	11.965	34.687	26.353	0.671
180	11.667	34.706	26.424	0.688
190	11.474	34.731	26.480	0.704
200	11.230	34.710	26.509	0.720
250	10.342	34.697	26.657	0.794
300	9.924	34.691	26.724	0.864
350	9.564	34.683	26.779	0.932
400	9.136	34.668	26.837	0.998
450	8.758	34.651	26.884	1.061
500	8.314	34.630	26.936	1.123
550	7.854	34.609	26.989	1.182
600	7.280	34.592	27.058	1.238
650	6.795	34.577	27.114	1.292
700	6.274	34.561	27.171	1.343
750	5.886	34.557	27.217	1.391
800	5.550	34.555	27.257	1.437
900	4.981	34.557	27.327	1.526
1000	4.588	34.563	27.375	1.608
1019	4.487	34.566	27.389	1.624

CAST EP5-88-OC -029 DATE 25 NOV 88 TIME 0529 GMT

LAT 07 59.6N LONG 139 59.8W



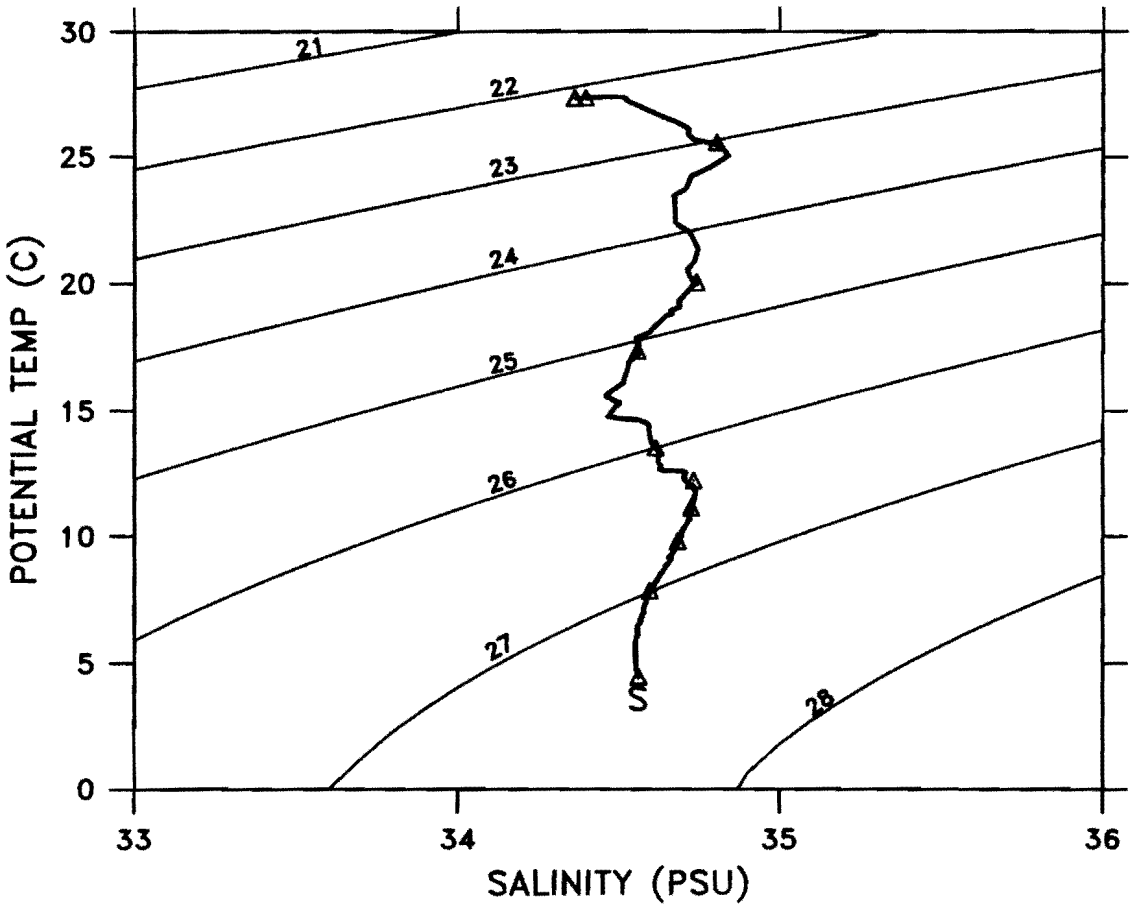


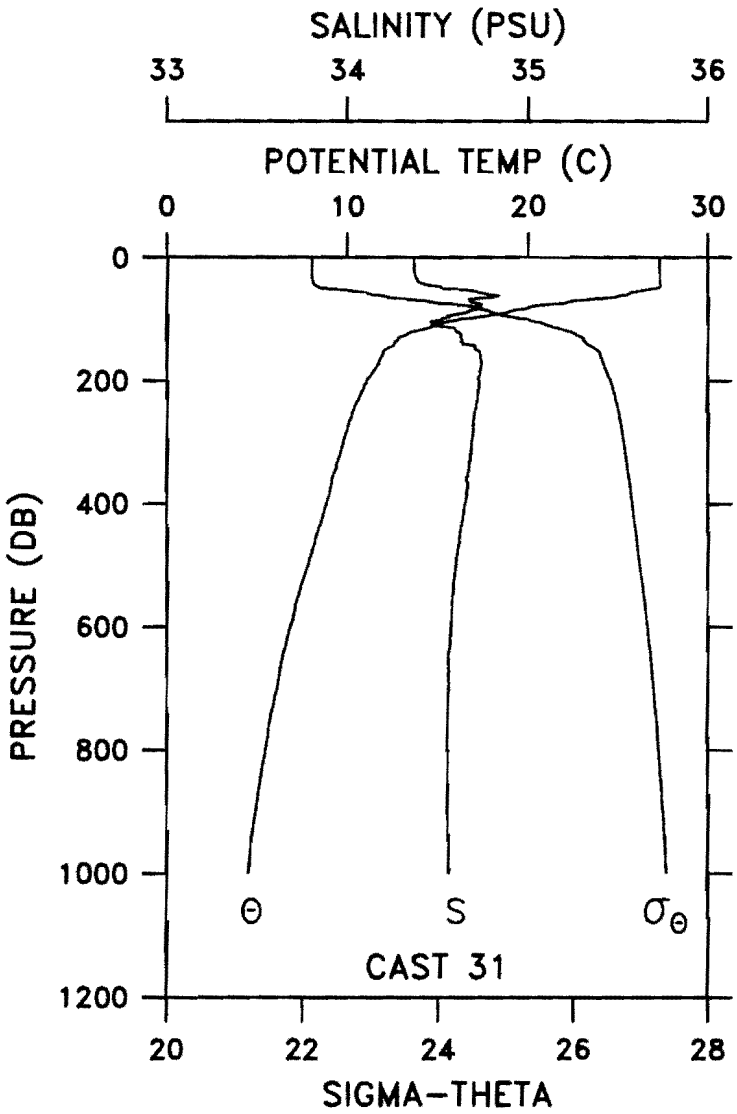
CAST EP5-88-OC -029 DATE 25 NOV 88 TIME 0529 GMT
LAT 07 59.6N LONG 139 59.8W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 145 T SPD 18 KT VISIBILITY 8
CLOUD 8 AMOUNT 2 DRY 27.2 WET 24.1 DEPTH 5121 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.236	34.607	22.348	0.000
10	27.241	34.607	22.347	0.055
20	27.238	34.606	22.347	0.110
30	27.241	34.609	22.348	0.165
40	27.243	34.614	22.351	0.220
50	27.253	34.646	22.373	0.274
60	26.993	34.811	22.580	0.329
70	26.462	34.913	22.825	0.380
80	24.114	34.675	23.363	0.429
90	21.039	34.761	24.303	0.469
100	18.819	34.639	24.793	0.503
110	16.782	34.576	25.241	0.533
120	14.985	34.634	25.694	0.558
130	13.527	34.617	25.990	0.580
140	12.431	34.644	26.230	0.599
150	12.194	34.706	26.324	0.617
160	11.486	34.665	26.426	0.633
170	11.447	34.733	26.486	0.649
180	11.215	34.717	26.517	0.665
190	10.980	34.716	26.558	0.681
200	10.831	34.719	26.588	0.696
250	10.179	34.696	26.684	0.768
300	9.763	34.682	26.745	0.837
350	9.495	34.678	26.786	0.904
400	9.076	34.664	26.844	0.969
450	8.538	34.641	26.910	1.032
500	7.974	34.617	26.977	1.092
550	7.377	34.592	27.045	1.148
600	6.930	34.576	27.095	1.202
650	6.487	34.565	27.146	1.254
700	6.099	34.558	27.191	1.304
750	5.804	34.559	27.229	1.351
800	5.456	34.558	27.271	1.397
900	4.994	34.557	27.325	1.484
1000	4.601	34.563	27.374	1.567
1007	4.561	34.563	27.378	1.572

CAST EP5-88-OC -031 DATE 25 NOV 88 TIME 1047 GMT

LAT 08 31.3N LONG 139 56.2W



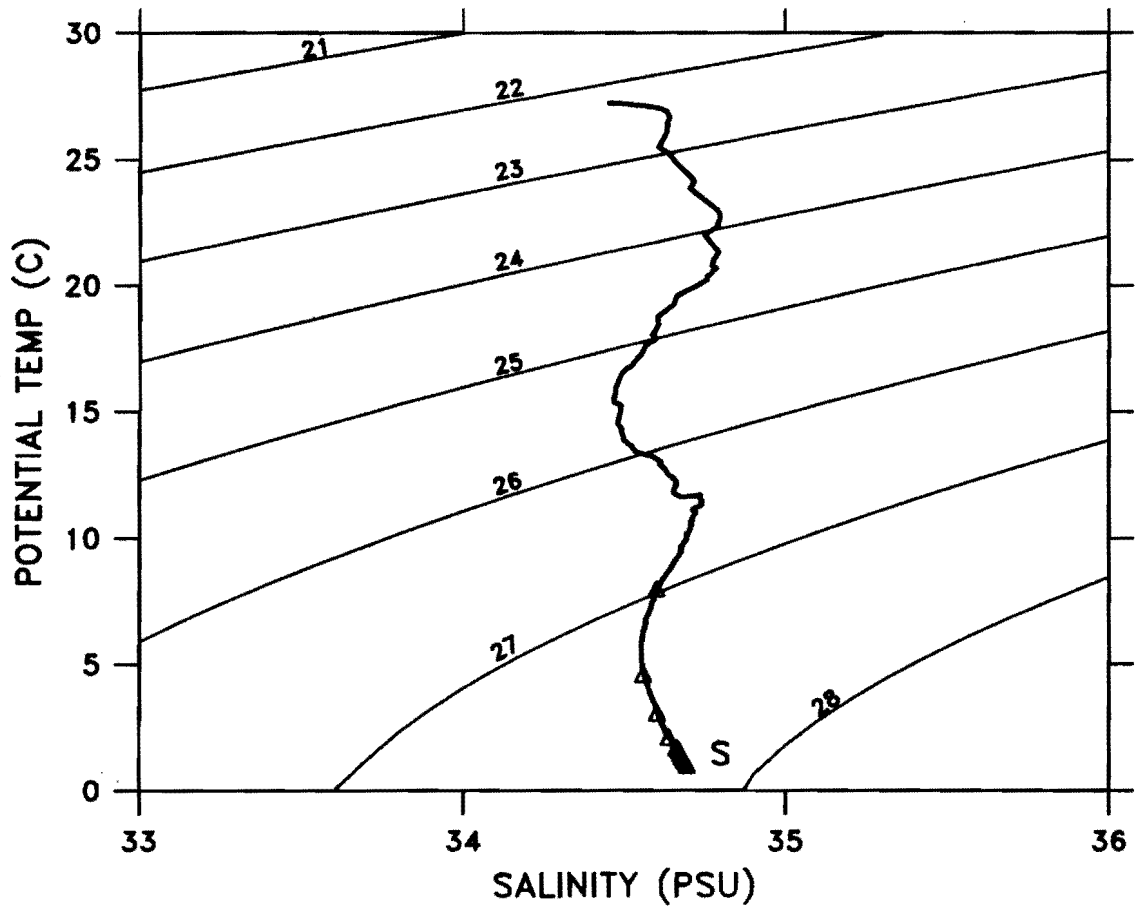


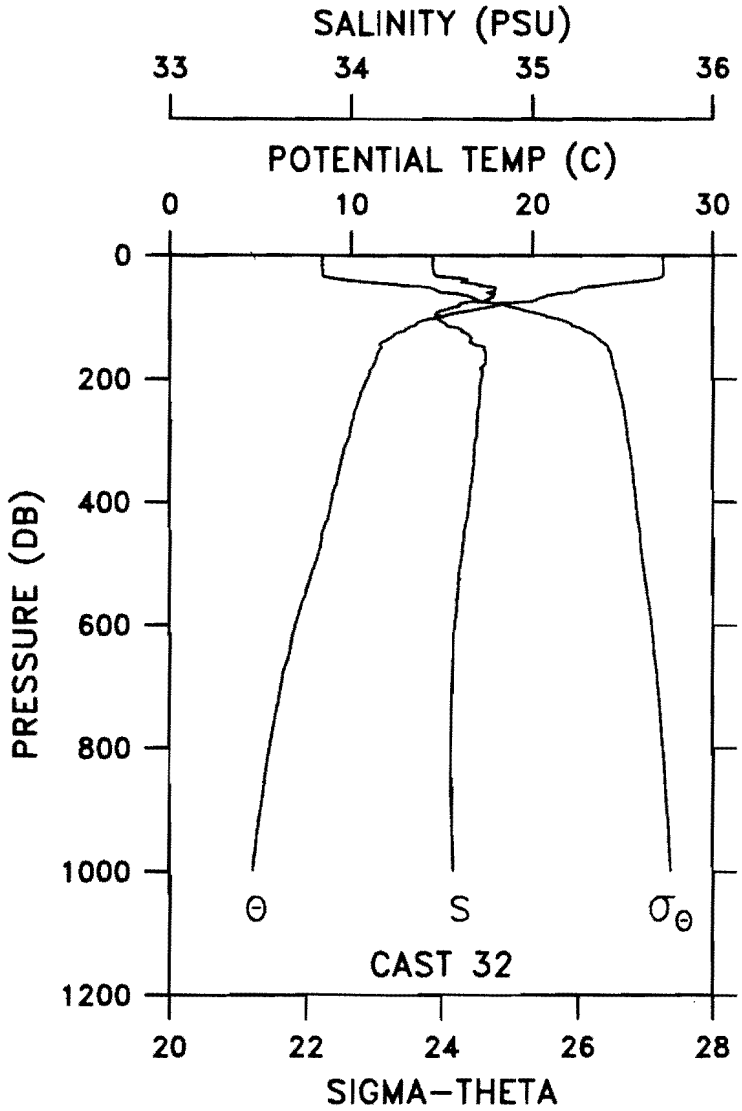
CAST EP5-88-OC -031 DATE 25 NOV 88 TIME 1047 GMT
LAT 08 31.3N LONG 139 56.2W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 135 T SPD 10 KT VISIBILITY 7
CLOUD 8 AMOUNT 2 DRY 26.8 WET 24.0 DEPTH 4844 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.316	34.368	22.143	0.000
10	27.314	34.367	22.143	0.057
20	27.322	34.370	22.142	0.114
30	27.330	34.376	22.144	0.170
40	27.339	34.392	22.154	0.227
50	27.210	34.525	22.295	0.284
60	25.525	34.784	23.020	0.335
70	22.567	34.677	23.814	0.380
80	20.132	34.731	24.523	0.418
90	18.750	34.647	24.816	0.451
100	16.182	34.515	25.333	0.480
110	14.760	34.466	25.613	0.506
120	13.639	34.604	25.957	0.528
130	12.826	34.629	26.141	0.548
140	12.584	34.635	26.193	0.566
150	12.077	34.714	26.353	0.584
160	11.917	34.735	26.400	0.601
170	11.765	34.738	26.431	0.617
180	11.574	34.735	26.464	0.633
190	11.345	34.731	26.504	0.649
200	11.074	34.726	26.549	0.665
250	10.310	34.703	26.667	0.738
300	9.775	34.685	26.745	0.808
350	9.285	34.665	26.810	0.874
400	8.845	34.649	26.868	0.938
450	8.285	34.620	26.933	1.000
500	7.823	34.599	26.986	1.058
550	7.272	34.581	27.051	1.114
600	6.846	34.574	27.104	1.168
650	6.387	34.559	27.154	1.219
700	6.099	34.561	27.193	1.268
750	5.719	34.552	27.234	1.316
800	5.452	34.554	27.268	1.361
900	4.904	34.555	27.333	1.448
1000	4.486	34.562	27.386	1.530
1007	4.457	34.562	27.389	1.535

CAST EP5-88-OC -032 DATE 25 NOV 88 TIME 1503 GMT

LAT 08 57.2N LONG 140 07.6W



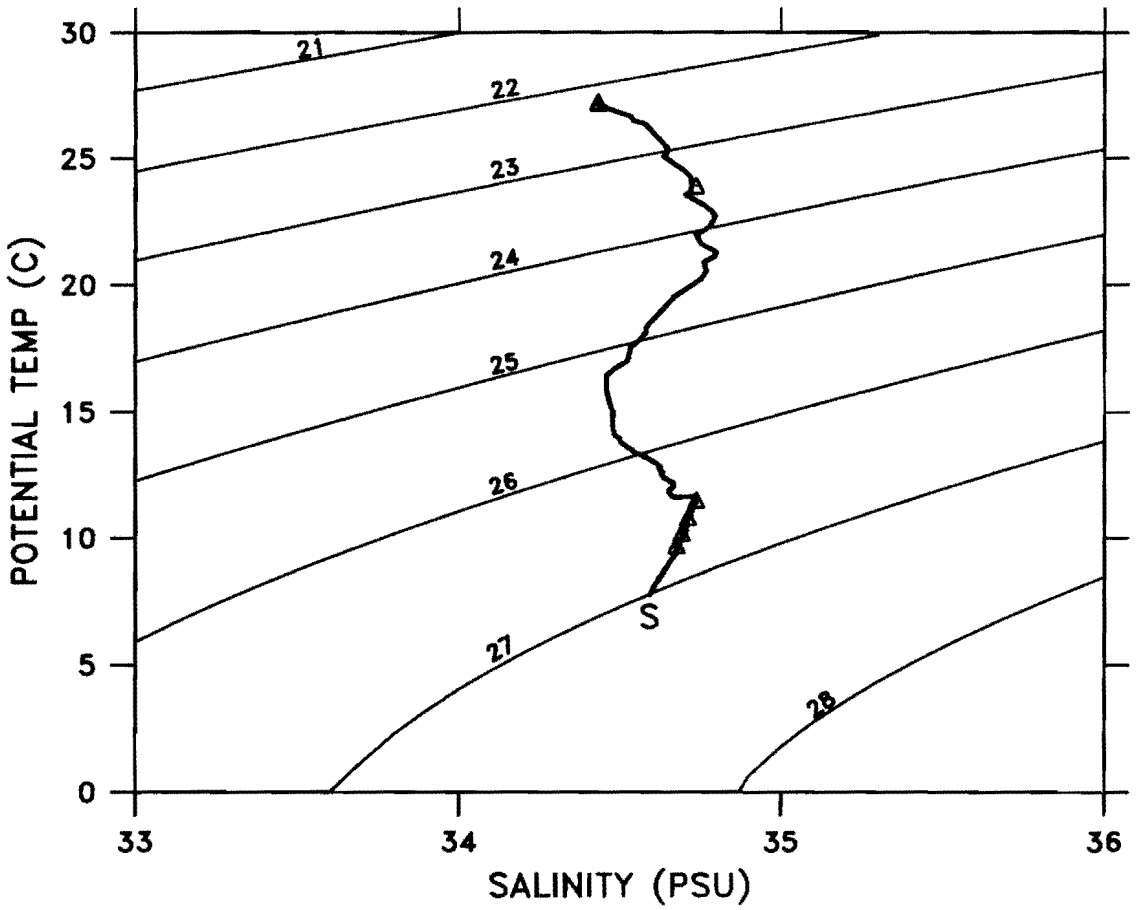


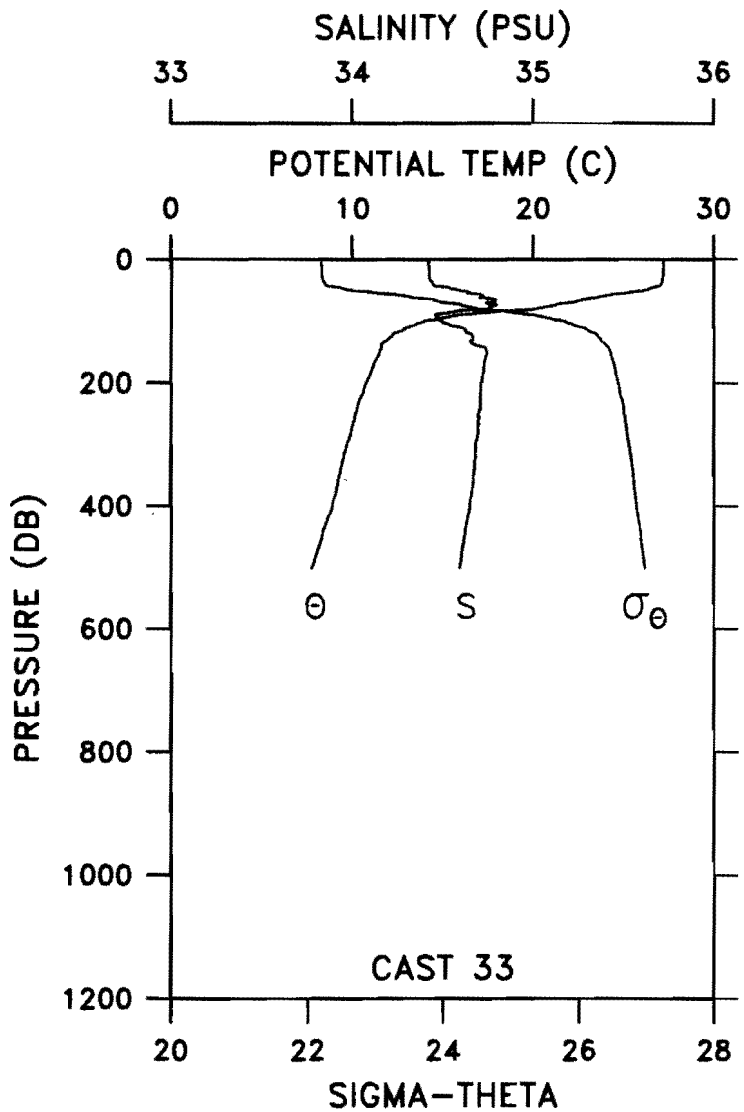
CAST EP5-88-OC -032 DATE 25 NOV 88 TIME 1503 GMT
LAT 08 57.2N LONG 140 07.6W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 140 T SPD 08 KT VISIBILITY 8
CLOUD 6 AMOUNT 5 DRY 26.4 WET 23.5 DEPTH 5152 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.215	34.453	22.239	0.000
10	27.220	34.452	22.237	0.056
20	27.218	34.453	22.238	0.112
30	27.218	34.462	22.245	0.168
40	26.531	34.636	22.595	0.223
50	23.445	34.745	23.613	0.270
60	22.038	34.747	24.016	0.311
70	20.370	34.756	24.479	0.347
80	18.101	34.591	24.935	0.380
90	16.508	34.492	25.241	0.409
100	14.960	34.487	25.586	0.434
110	13.652	34.519	25.889	0.457
120	13.011	34.612	26.091	0.477
130	12.368	34.653	26.249	0.496
140	11.773	34.653	26.363	0.513
150	11.678	34.738	26.447	0.530
160	11.456	34.740	26.490	0.546
170	11.349	34.738	26.508	0.561
180	11.204	34.726	26.526	0.577
190	11.022	34.721	26.555	0.592
200	10.880	34.716	26.577	0.607
250	10.225	34.698	26.678	0.680
300	9.808	34.684	26.738	0.749
350	9.343	34.670	26.805	0.816
400	8.928	34.651	26.856	0.880
450	8.399	34.622	26.917	0.942
500	8.015	34.604	26.961	1.002
550	7.493	34.589	27.025	1.060
600	6.927	34.574	27.093	1.114
650	6.575	34.567	27.136	1.166
700	6.106	34.557	27.190	1.216
750	5.810	34.554	27.225	1.264
800	5.516	34.552	27.259	1.310
900	5.016	34.555	27.321	1.398
1000	4.584	34.562	27.376	1.481
1500	3.008	34.606	27.570	1.831
2000	2.089	34.640	27.676	2.114
2500	1.699	34.662	27.724	2.359
3000	1.486	34.674	27.749	2.594
3500	1.249	34.684	27.774	2.820
4000	1.085	34.692	27.792	3.037
4495	1.030	34.696	27.799	3.252

CAST EP5-88-OC -033 DATE 25 NOV 88 TIME 1949 GMT

LAT 08 58.5N LONG 140 09.8W



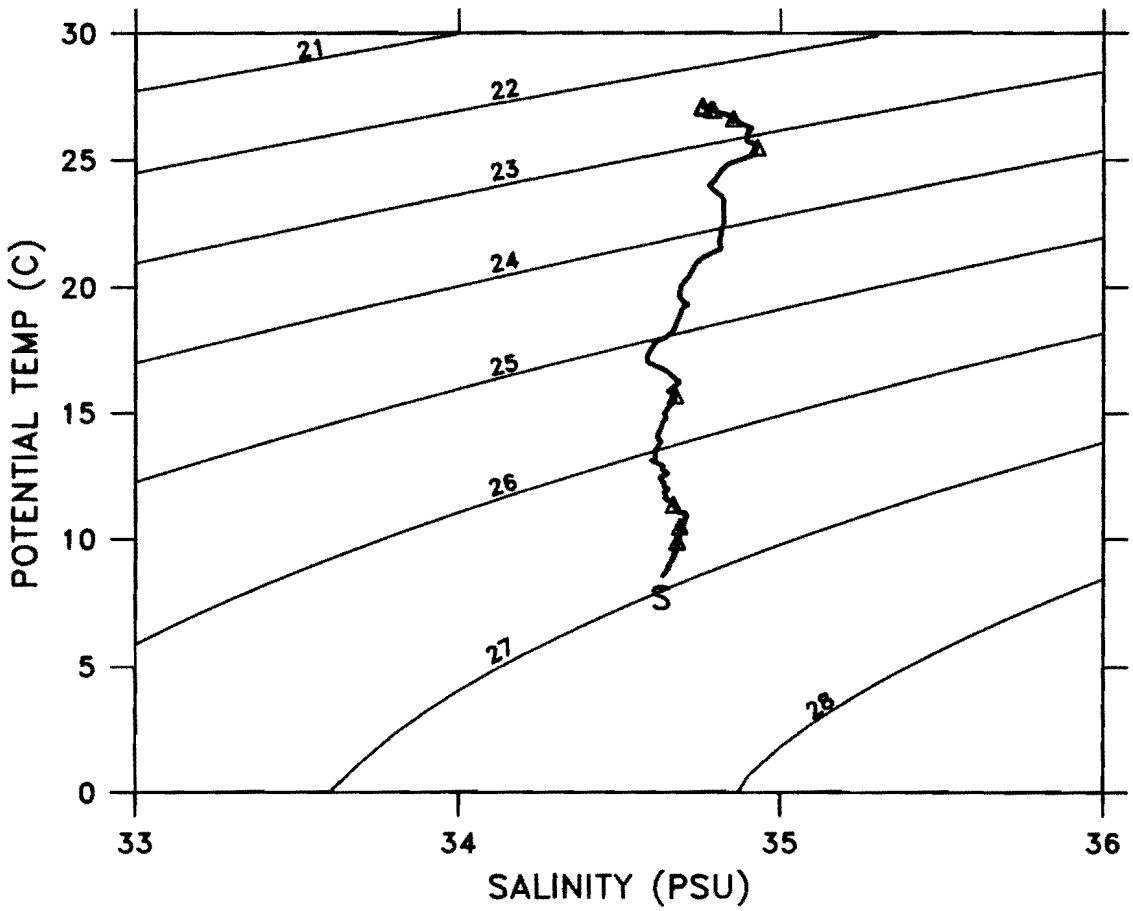


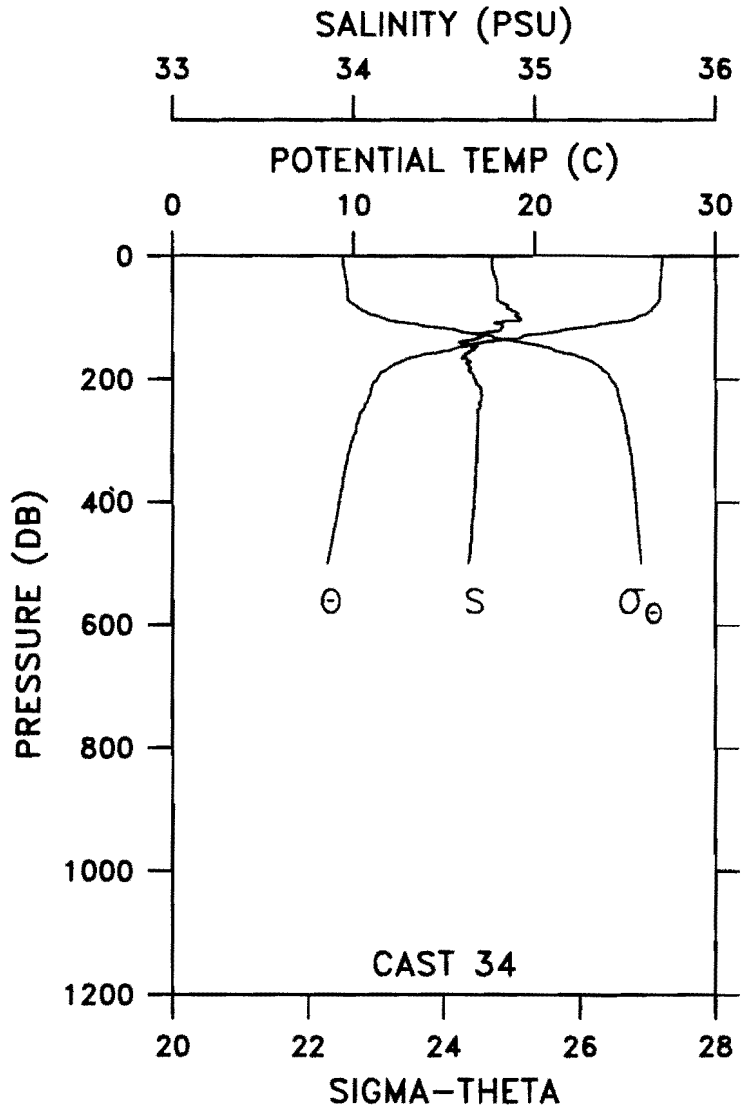
CAST EP5-88-OC -033 DATE 25 NOV 88 TIME 1949 GMT
LAT 08 58.5N LONG 140 09.8W WEATHER 1 SEA STATE 4
BAROMETER 13 WIND DIR 135 T SPD 08 KT VISIBILITY 8
CLOUD 6 AMOUNT 2 DRY 27.8 WET 25.0 DEPTH 5137 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.239	34.422	22.208	0.000
10	27.220	34.422	22.215	0.056
20	27.212	34.422	22.217	0.112
30	27.201	34.425	22.223	0.168
40	27.097	34.446	22.272	0.224
50	26.242	34.586	22.647	0.278
60	23.796	34.721	23.492	0.326
70	21.955	34.736	24.031	0.367
80	20.203	34.751	24.519	0.404
90	15.870	34.458	25.361	0.434
100	14.001	34.492	25.795	0.458
110	13.062	34.598	26.069	0.479
120	12.252	34.657	26.275	0.498
130	11.976	34.665	26.334	0.515
140	11.624	34.701	26.428	0.532
150	11.520	34.741	26.479	0.548
160	11.362	34.734	26.503	0.564
170	11.191	34.727	26.528	0.579
180	11.082	34.726	26.548	0.595
190	10.941	34.720	26.569	0.610
200	10.794	34.712	26.588	0.625
250	10.192	34.696	26.682	0.697
300	9.721	34.680	26.750	0.766
350	9.306	34.670	26.810	0.832
400	8.897	34.649	26.860	0.896
450	8.310	34.619	26.928	0.958
500	7.758	34.594	26.991	1.017
502	7.739	34.592	26.993	1.019

CAST EP5-88-OC -034 DATE 27 NOV 88 TIME 2211 GMT

LAT 07 03.0N LONG 147 29.8W



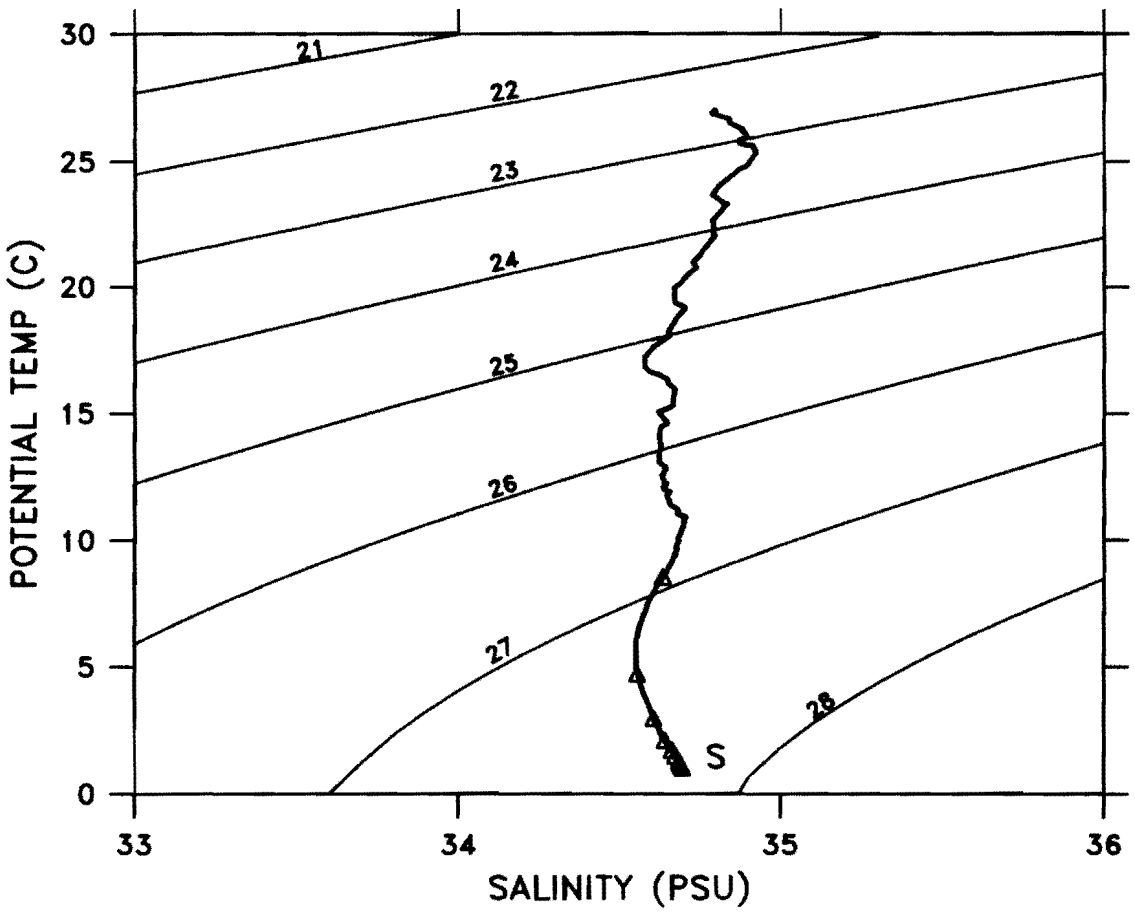


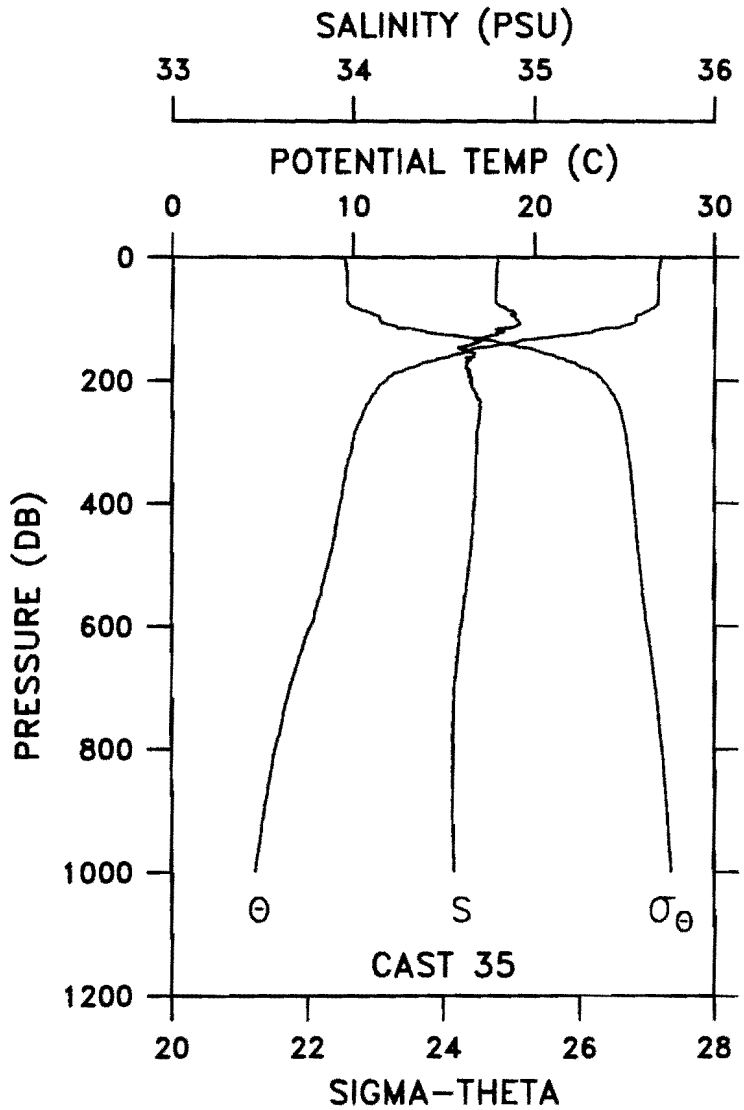
CAST EP5-88-OC -034 DATE 27 NOV 88 TIME 2211 GMT
LAT 07 03.0N LONG 147 29.8W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 135 T SPD 22 KT VISIBILITY 8
CLOUD 4 AMOUNT 4 DRY 27.4 WET 24.6 DEPTH 4952 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.088	34.764	22.514	0.000
10	27.080	34.764	22.516	0.053
20	27.042	34.767	22.531	0.106
30	27.016	34.774	22.544	0.159
40	26.988	34.788	22.564	0.212
50	26.957	34.793	22.578	0.265
60	26.950	34.793	22.580	0.318
70	26.936	34.794	22.585	0.371
80	26.702	34.850	22.702	0.423
90	26.348	34.893	22.846	0.475
100	25.651	34.915	23.079	0.524
110	23.635	34.809	23.606	0.570
120	21.530	34.814	24.209	0.611
130	19.322	34.712	24.720	0.647
140	17.234	34.585	25.141	0.678
150	15.655	34.673	25.575	0.704
160	13.866	34.630	25.930	0.727
170	12.775	34.633	26.154	0.747
180	12.074	34.640	26.296	0.766
190	11.485	34.658	26.421	0.783
200	11.313	34.671	26.463	0.799
250	10.523	34.685	26.616	0.875
300	9.910	34.680	26.718	0.946
350	9.518	34.676	26.780	1.014
400	9.227	34.665	26.820	1.080
450	8.910	34.655	26.863	1.144
500	8.565	34.635	26.901	1.207
500	8.565	34.635	26.901	1.207

CAST EP5-88-OC -035 DATE 28 NOV 88 TIME 0105 GMT

LAT 07 01.2N LONG 147 28.4W



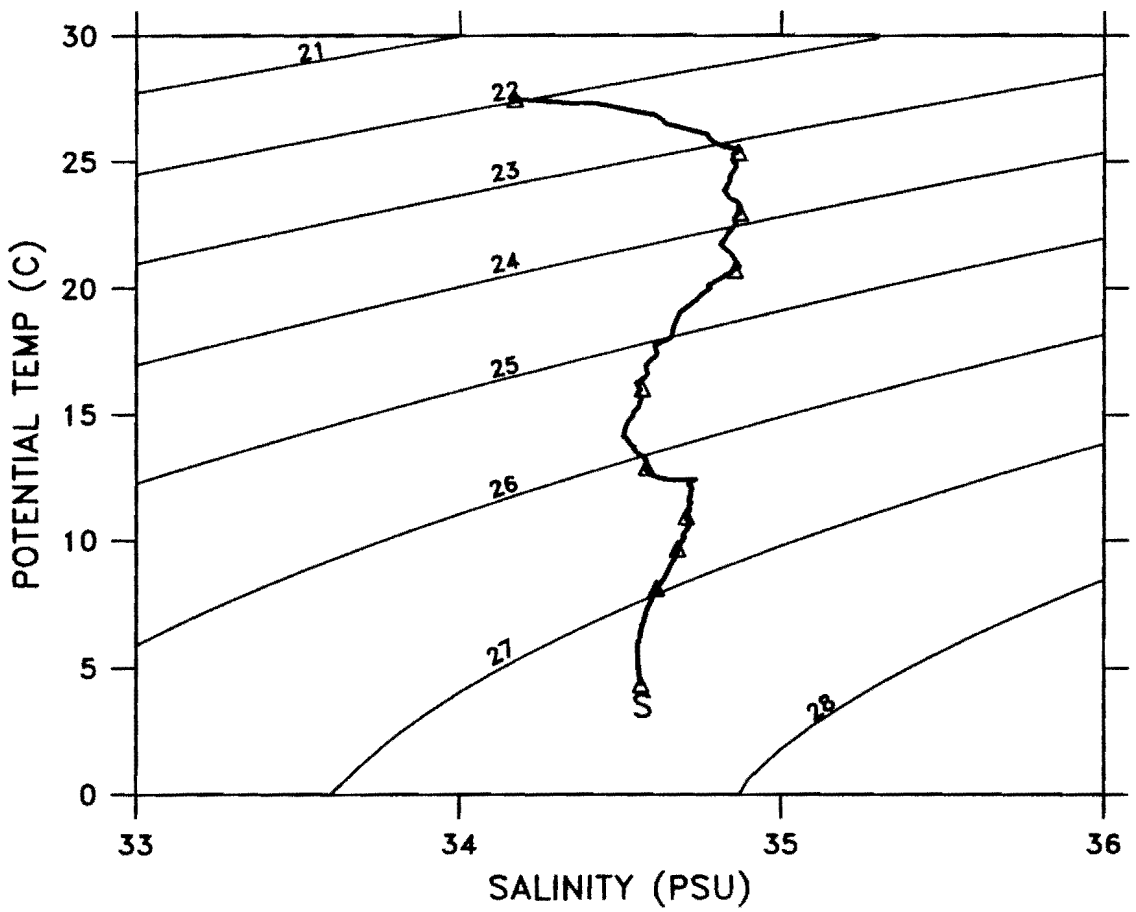


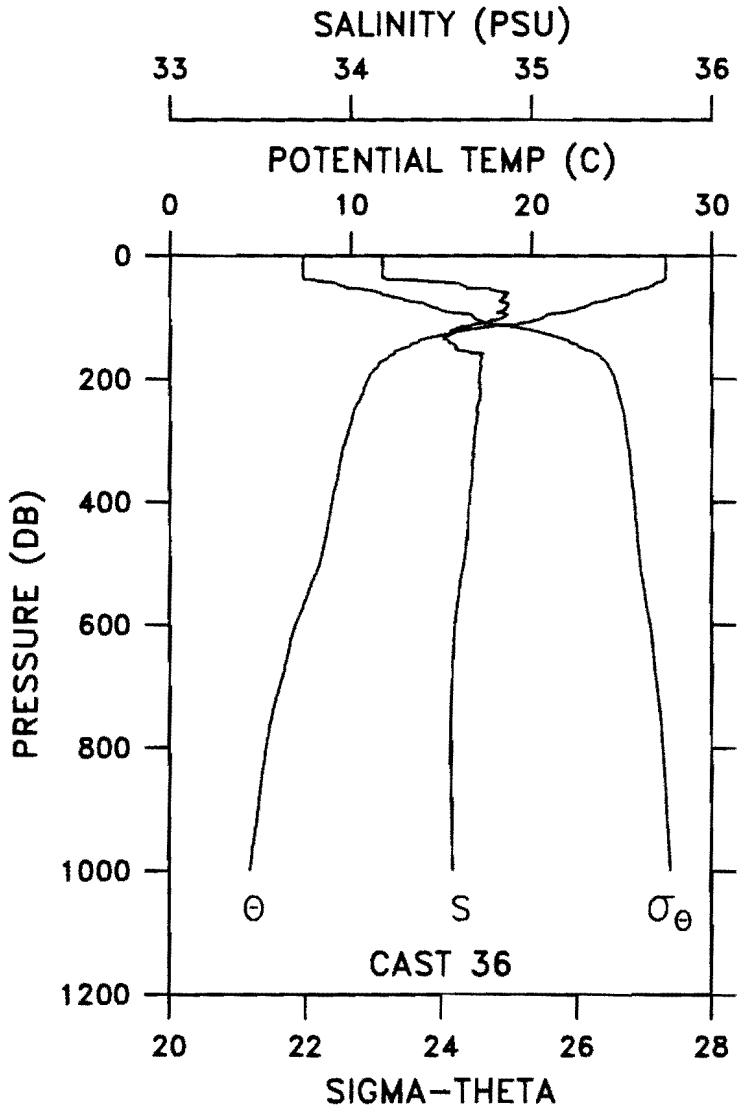
CAST EP5-88-OC -035 DATE 28 NOV 88 TIME 0105 GMT
LAT 07 01.2N LONG 147 28.4W WEATHER 2 SEA STATE 4
BAROMETER 09 WIND DIR 150 T SPD 13 KT VISIBILITY 8
CLOUD 7 AMOUNT 7 DRY 27.7 WET 24.9 DEPTH 4930 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.046	34.797	22.552	0.000
10	27.005	34.793	22.563	0.053
20	26.967	34.791	22.573	0.106
30	26.932	34.790	22.583	0.158
40	26.927	34.790	22.585	0.211
50	26.918	34.788	22.586	0.264
60	26.910	34.786	22.587	0.316
70	26.900	34.785	22.590	0.369
80	26.738	34.826	22.672	0.422
90	26.071	34.893	22.932	0.473
100	25.646	34.896	23.066	0.522
110	25.051	34.908	23.258	0.569
120	23.287	34.835	23.727	0.614
130	20.740	34.738	24.366	0.653
140	18.503	34.666	24.893	0.686
150	16.511	34.623	25.341	0.715
160	15.357	34.668	25.638	0.741
170	14.043	34.624	25.889	0.764
180	13.079	34.624	26.086	0.784
190	12.230	34.647	26.271	0.803
200	11.866	34.652	26.345	0.821
250	10.603	34.698	26.612	0.899
300	10.004	34.683	26.704	0.971
350	9.614	34.679	26.767	1.040
400	9.307	34.668	26.809	1.106
450	9.032	34.660	26.847	1.171
500	8.647	34.642	26.894	1.235
550	8.225	34.618	26.940	1.296
600	7.672	34.598	27.007	1.355
650	7.036	34.576	27.080	1.411
700	6.538	34.561	27.136	1.463
750	6.149	34.556	27.183	1.514
800	5.724	34.552	27.234	1.562
900	5.109	34.553	27.308	1.652
1000	4.621	34.559	27.369	1.736
1500	2.921	34.608	27.579	2.084
2000	2.068	34.642	27.680	2.361
2500	1.725	34.662	27.722	2.606
3000	1.503	34.673	27.747	2.843
3500	1.263	34.684	27.773	3.070
4000	1.095	34.692	27.792	3.290
4500	1.016	34.696	27.800	3.506
4695	1.012	34.696	27.800	3.592

CAST EP5-88-OC -036 DATE 28 NOV 88 TIME 1511 GMT

LAT 06 59.5N LONG 144 59.3W



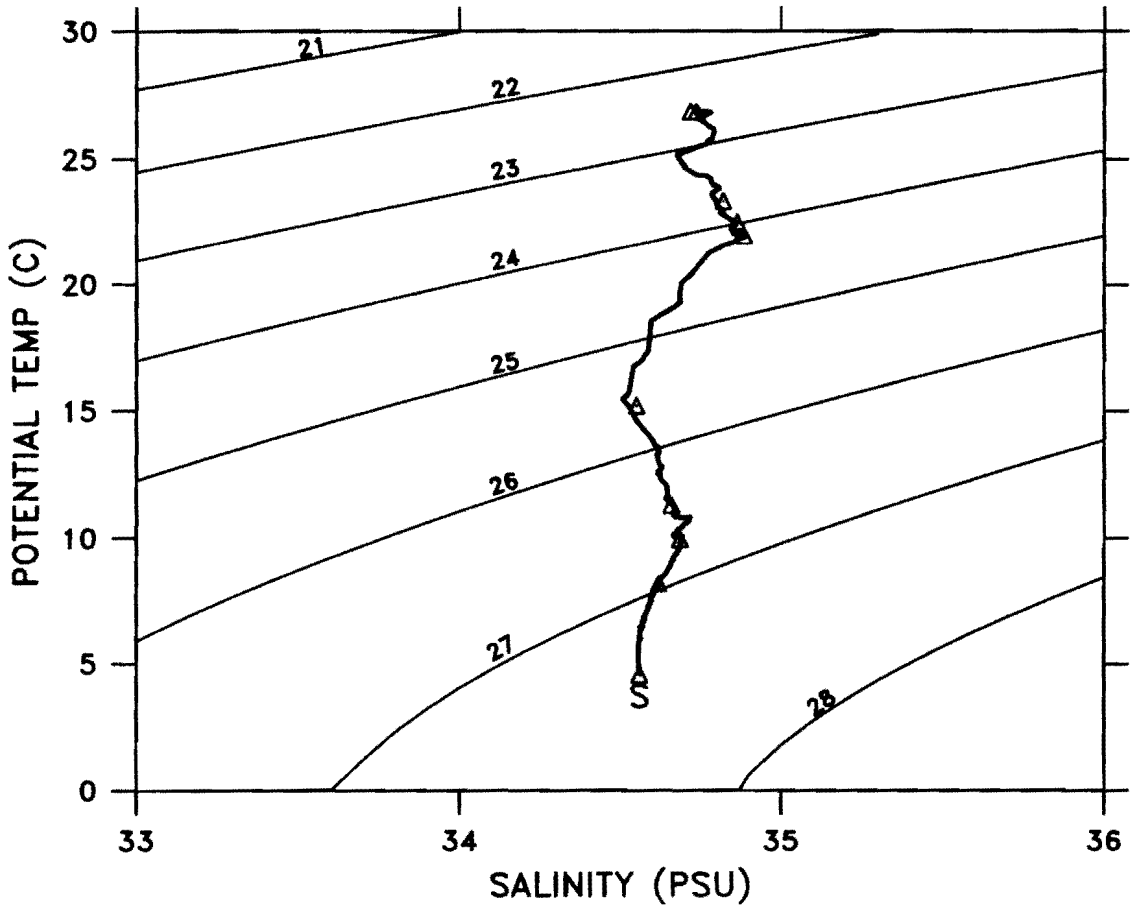


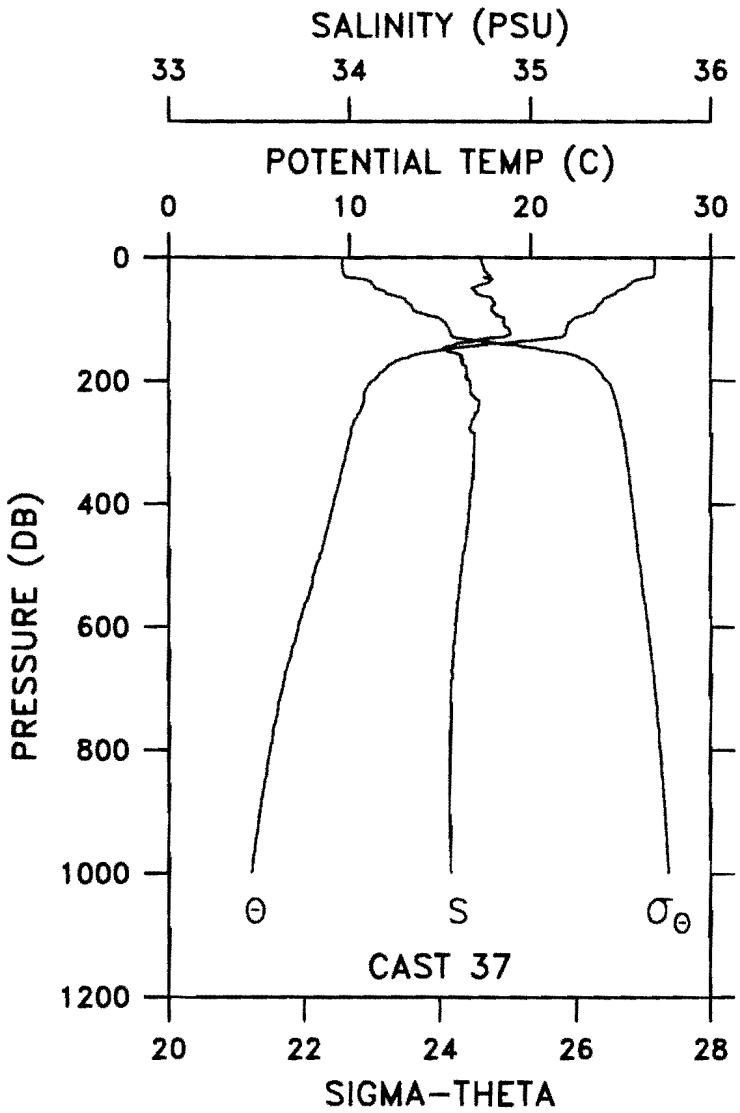
CAST EP5-88-OC -036 DATE 28 NOV 88 TIME 1511 GMT
LAT 06 59.5N LONG 144 59.3W WEATHER 9 SEA STATE 4
BAROMETER 10 WIND DIR 150 T SPD 18 KT VISIBILITY 7
CLOUD 9 AMOUNT 6 DRY 25.0 WET 23.6 DEPTH 5121 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.449	34.173	21.954	0.000
10	27.451	34.174	21.953	0.059
20	27.456	34.175	21.952	0.117
30	27.445	34.173	21.955	0.176
40	27.301	34.379	22.156	0.234
50	26.574	34.634	22.580	0.289
60	25.469	34.873	23.104	0.339
70	24.295	34.842	23.436	0.385
80	23.139	34.867	23.795	0.428
90	22.122	34.834	24.059	0.468
100	20.600	34.845	24.486	0.504
110	19.303	34.712	24.724	0.538
120	16.514	34.580	25.307	0.568
130	14.834	34.531	25.647	0.593
140	13.732	34.544	25.891	0.615
150	12.897	34.575	26.085	0.635
160	12.374	34.723	26.303	0.654
170	11.761	34.719	26.417	0.671
180	11.482	34.720	26.470	0.687
190	11.158	34.711	26.522	0.703
200	10.966	34.709	26.556	0.718
250	10.177	34.695	26.684	0.791
300	9.704	34.681	26.753	0.860
350	9.328	34.670	26.807	0.926
400	8.971	34.656	26.854	0.990
450	8.652	34.643	26.894	1.053
500	8.267	34.624	26.938	1.114
550	7.615	34.598	27.015	1.173
600	6.931	34.576	27.095	1.228
650	6.506	34.566	27.144	1.279
700	6.081	34.557	27.193	1.329
750	5.640	34.554	27.245	1.376
800	5.331	34.554	27.283	1.421
900	4.891	34.558	27.337	1.507
1000	4.453	34.565	27.392	1.587
1015	4.381	34.567	27.402	1.599

CAST EP5-88-OC -037 DATE 29 NOV 88 TIME 0253 GMT

LAT 06 59.9N LONG 142 28.8W



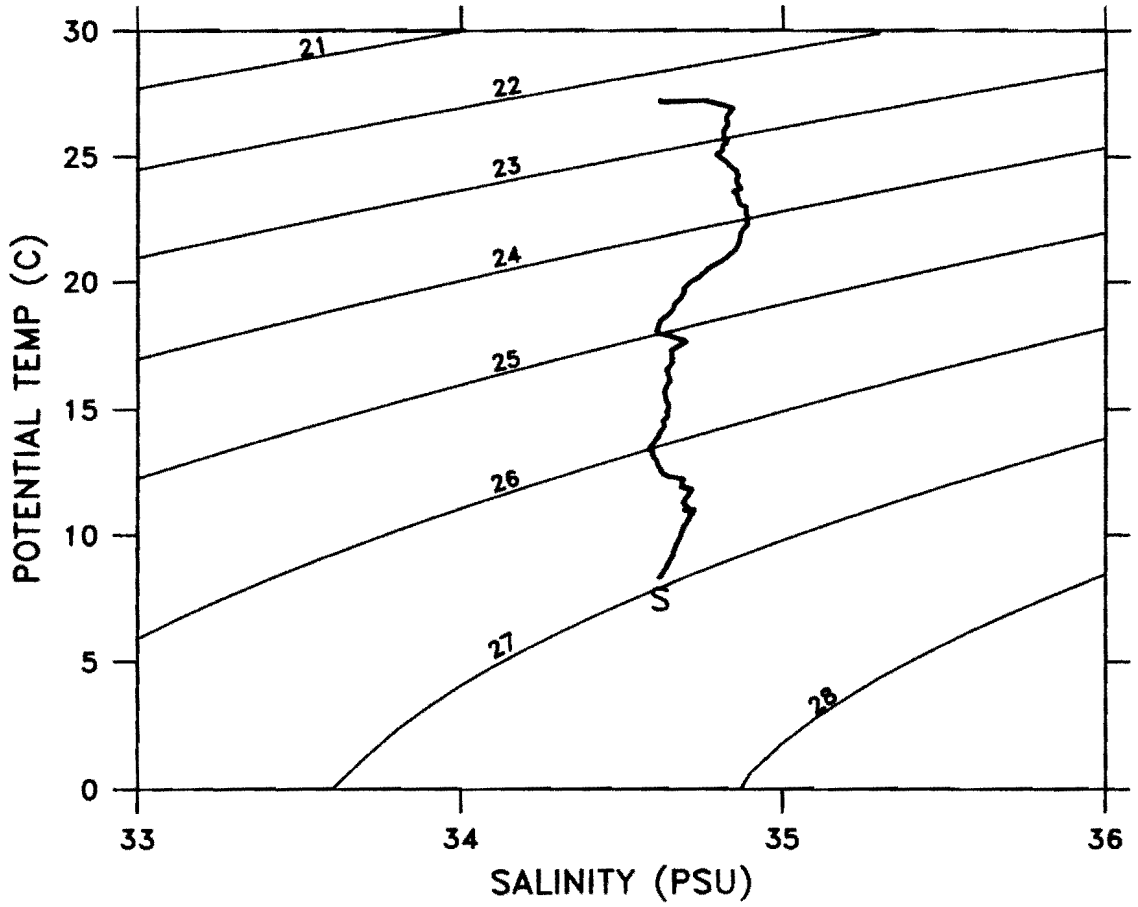


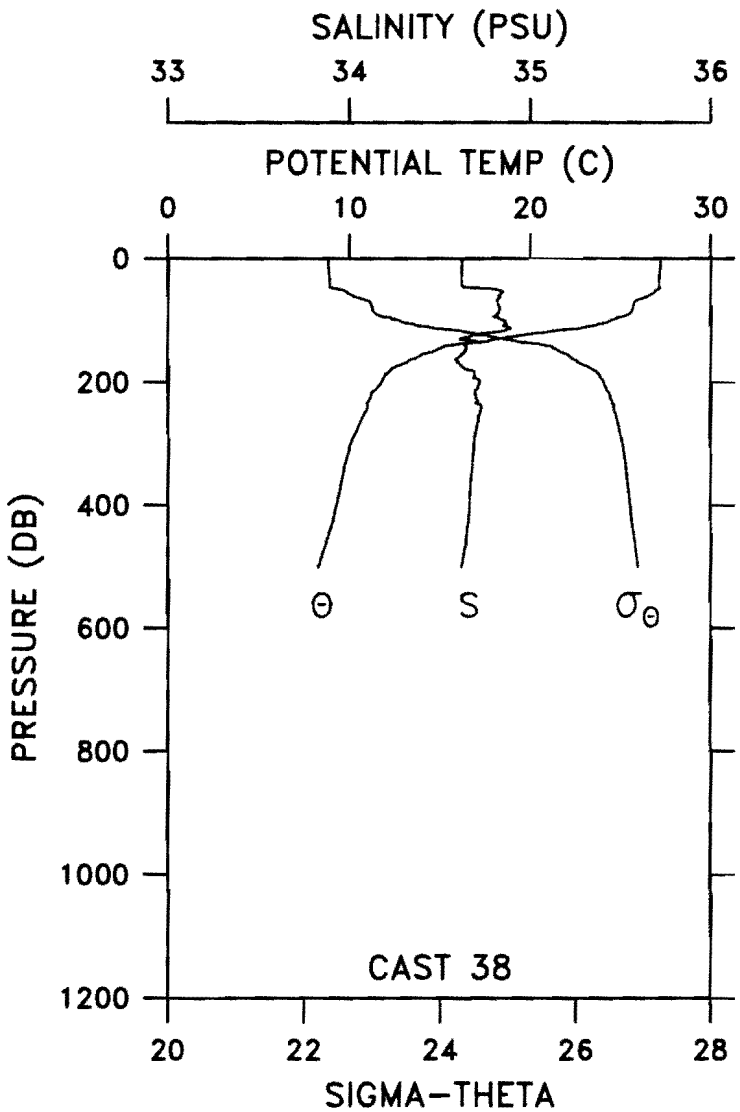
CAST EP5-88-OC -037 DATE 29 NOV 88 TIME 0253 GMT
LAT 06 59.9N LONG 142 28.8W WEATHER 2 SEA STATE 3
BAROMETER 10 WIND DIR 185 T SPD 11 KT VISIBILITY 7
CLOUD 5 AMOUNT 6 DRY 25.1 WET 23.5 DEPTH 5010 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.866	34.728	22.558	0.000
10	26.874	34.735	22.560	0.053
20	26.878	34.745	22.566	0.106
30	26.826	34.778	22.608	0.158
40	25.602	34.771	22.986	0.209
50	25.160	34.676	23.049	0.257
60	24.513	34.718	23.277	0.304
70	23.971	34.796	23.497	0.349
80	23.655	34.786	23.582	0.393
90	23.163	34.800	23.737	0.436
100	22.312	34.852	24.019	0.476
110	22.036	34.851	24.096	0.515
120	21.938	34.887	24.151	0.553
130	21.260	34.775	24.253	0.591
140	17.723	34.590	25.027	0.625
150	15.100	34.531	25.589	0.652
160	13.330	34.622	26.034	0.674
170	12.515	34.623	26.197	0.693
180	12.033	34.645	26.308	0.711
190	11.616	34.646	26.387	0.728
200	11.260	34.669	26.471	0.744
250	10.594	34.708	26.621	0.820
300	9.958	34.691	26.718	0.892
350	9.562	34.682	26.778	0.960
400	9.133	34.666	26.835	1.025
450	8.694	34.647	26.891	1.089
500	8.161	34.619	26.951	1.150
550	7.738	34.601	26.999	1.208
600	7.162	34.587	27.071	1.264
650	6.734	34.574	27.120	1.317
700	6.286	34.563	27.171	1.368
750	5.940	34.563	27.215	1.416
800	5.621	34.556	27.249	1.463
900	5.046	34.556	27.318	1.551
1000	4.581	34.563	27.377	1.634
1000	4.581	34.563	27.377	1.634

CAST EP5-88-OC -038 DATE 29 NOV 88 TIME 2334 GMT

LAT 07 01.2N LONG 140 07.0W



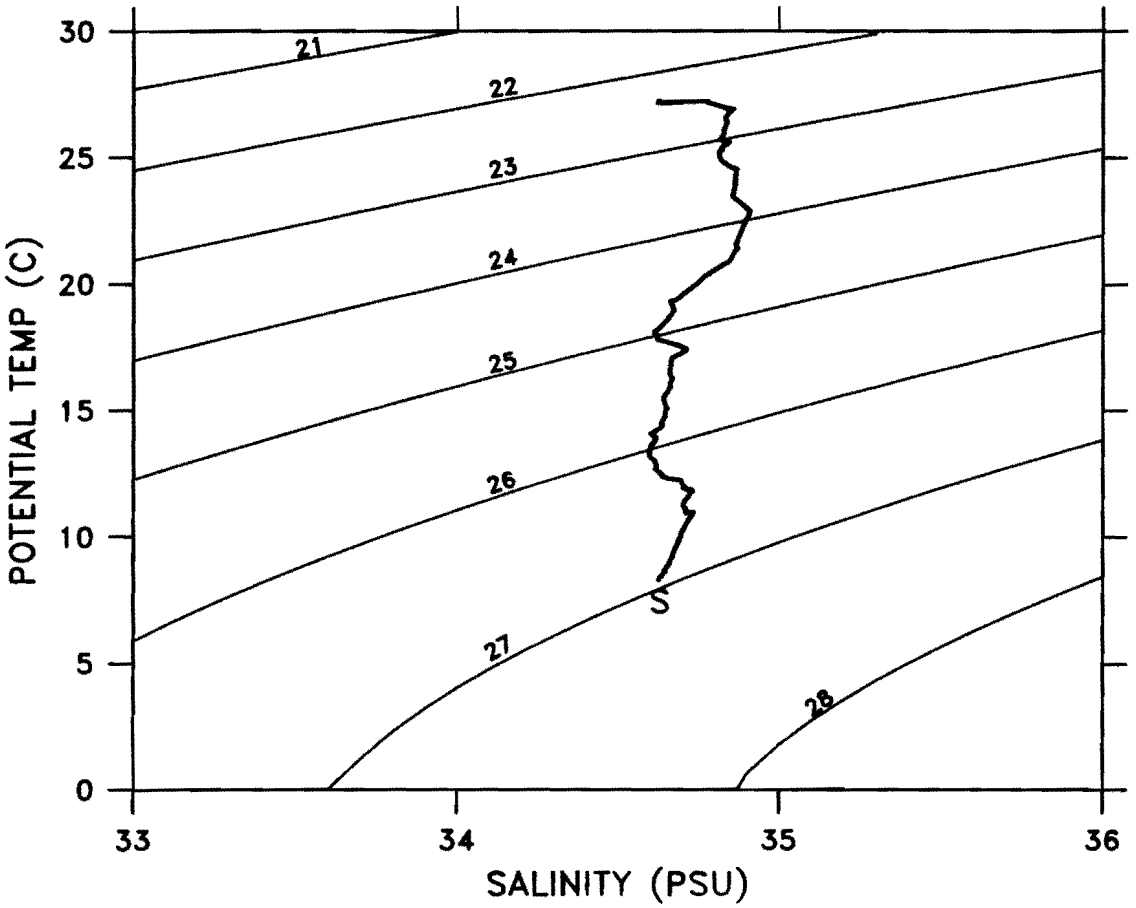


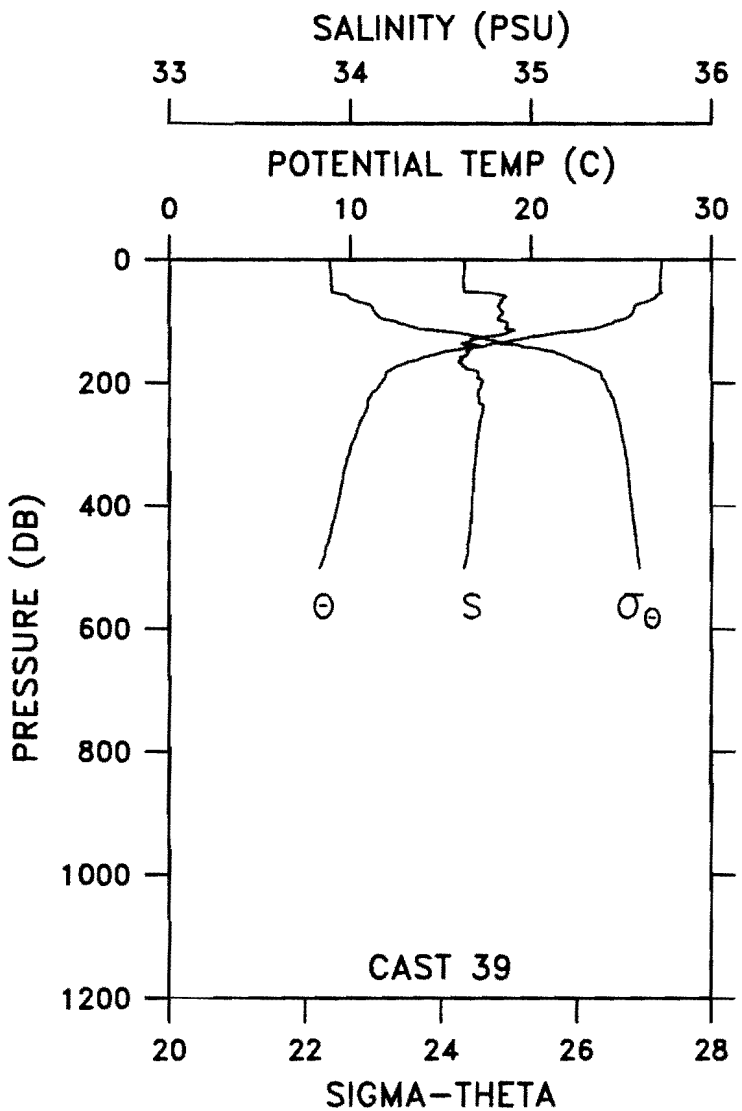
CAST EP5-88-OC -038 DATE 29 NOV 88 TIME 2334 GMT
LAT 07 01.2N LONG 140 07.0W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 150 T SPD 18 KT VISIBILITY 7
CLOUD 3 AMOUNT 3 DRY 26.2 WET 24.2 DEPTH 4990 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.218	34.620	22.364	0.000
10	27.225	34.621	22.362	0.055
20	27.191	34.619	22.372	0.109
30	27.175	34.619	22.377	0.164
40	27.162	34.618	22.381	0.219
50	27.067	34.806	22.552	0.273
60	26.579	34.827	22.723	0.325
70	25.763	34.818	22.971	0.375
80	25.672	34.829	23.008	0.424
90	25.456	34.814	23.063	0.473
100	24.437	34.857	23.405	0.520
110	23.099	34.866	23.805	0.564
120	20.509	34.768	24.451	0.602
130	18.078	34.610	24.955	0.635
140	15.693	34.633	25.536	0.663
150	14.685	34.641	25.765	0.686
160	13.734	34.604	25.937	0.708
170	13.016	34.606	26.085	0.728
180	12.313	34.654	26.261	0.747
190	11.961	34.690	26.356	0.764
200	11.780	34.718	26.413	0.781
250	10.861	34.720	26.583	0.860
300	10.075	34.686	26.694	0.932
350	9.657	34.672	26.754	1.001
400	9.290	34.662	26.807	1.068
450	8.862	34.645	26.863	1.133
500	8.316	34.617	26.926	1.195
501	8.312	34.616	26.926	1.196

CAST EP5-88-OC -039 DATE 30 NOV 88 TIME 0024 GMT

LAT 06 59.0N LONG 140 08.4W



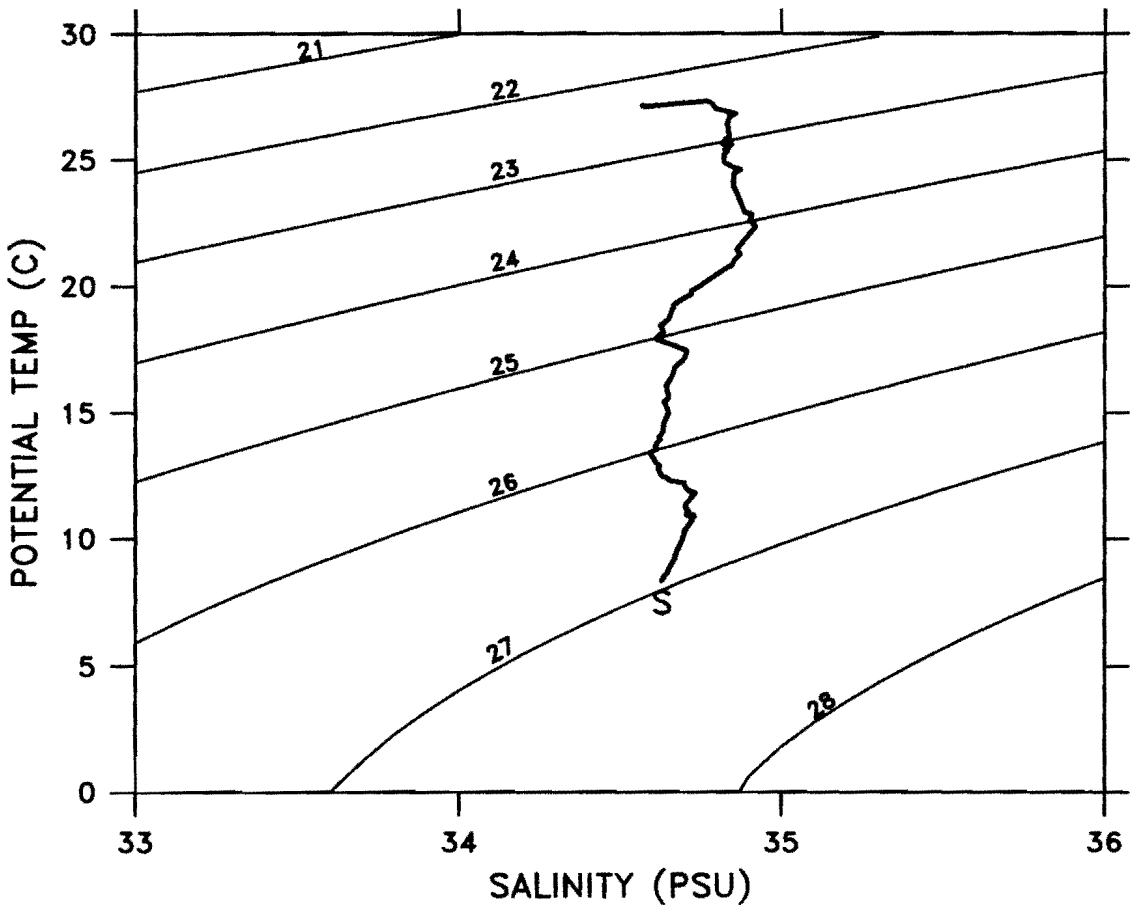


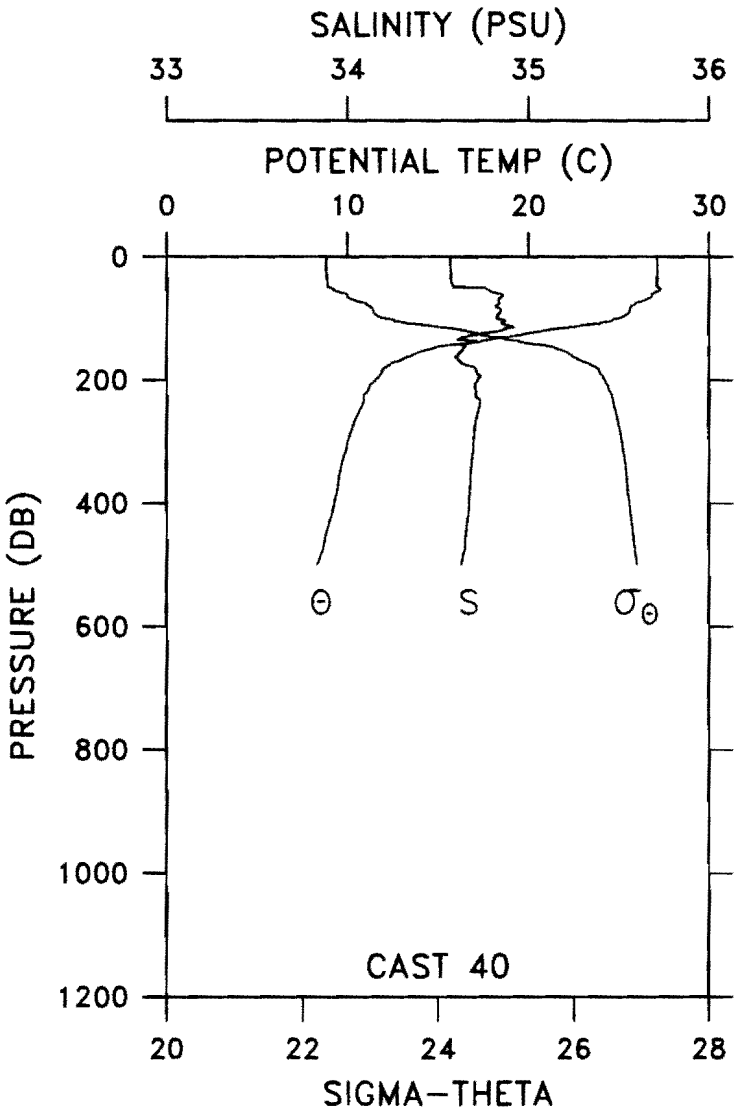
CAST EP5-88-OC -039 DATE 30 NOV 88 TIME 0024 GMT
LAT 06 59.0N LONG 140 08.4W WEATHER 1 SEA STATE 4
BAROMETER 11 WIND DIR 155 T SPD 21 KT VISIBILITY 7
CLOUD 8 AMOUNT 3 DRY 26.2 WET 24.6 DEPTH 4968 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.221	34.630	22.370	0.000
10	27.230	34.628	22.366	0.055
20	27.188	34.626	22.378	0.109
30	27.156	34.623	22.386	0.164
40	27.151	34.623	22.387	0.218
50	27.151	34.626	22.390	0.273
60	26.914	34.858	22.640	0.326
70	26.113	34.829	22.871	0.378
80	25.674	34.827	23.006	0.427
90	25.482	34.832	23.069	0.476
100	24.607	34.851	23.349	0.523
110	23.706	34.859	23.623	0.568
120	21.318	34.862	24.303	0.608
130	19.309	34.661	24.684	0.642
140	17.445	34.712	25.188	0.673
150	15.065	34.652	25.690	0.698
160	13.908	34.619	25.912	0.721
170	12.942	34.615	26.106	0.741
180	12.248	34.694	26.305	0.760
190	11.970	34.704	26.366	0.777
200	11.747	34.726	26.425	0.793
250	10.802	34.728	26.600	0.871
300	10.092	34.696	26.699	0.943
350	9.624	34.681	26.766	1.012
400	9.291	34.670	26.813	1.079
450	8.872	34.655	26.868	1.143
500	8.332	34.626	26.930	1.205
502	8.318	34.626	26.932	1.207

CAST EP5-88-OC -040 DATE 30 NOV 88 TIME 0107 GMT

LAT 07 01.1N LONG 140 09.0W



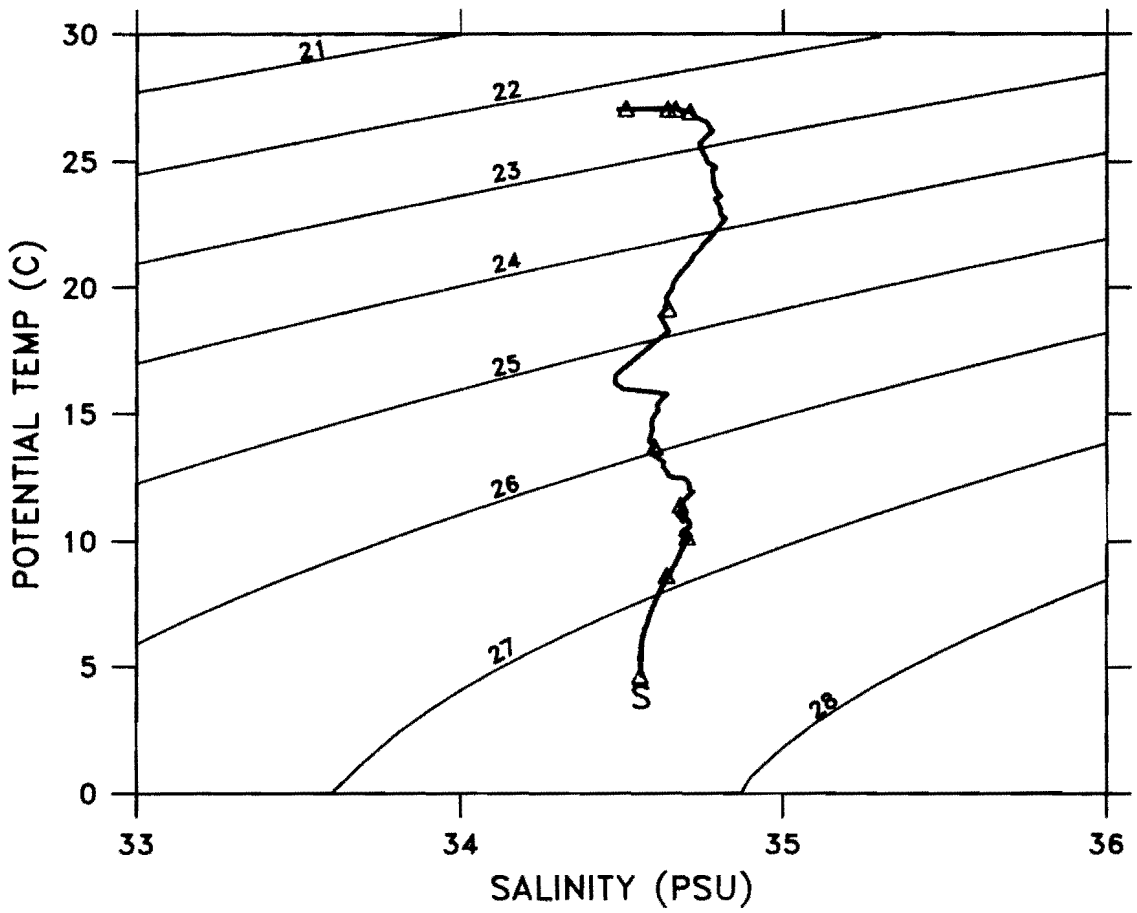


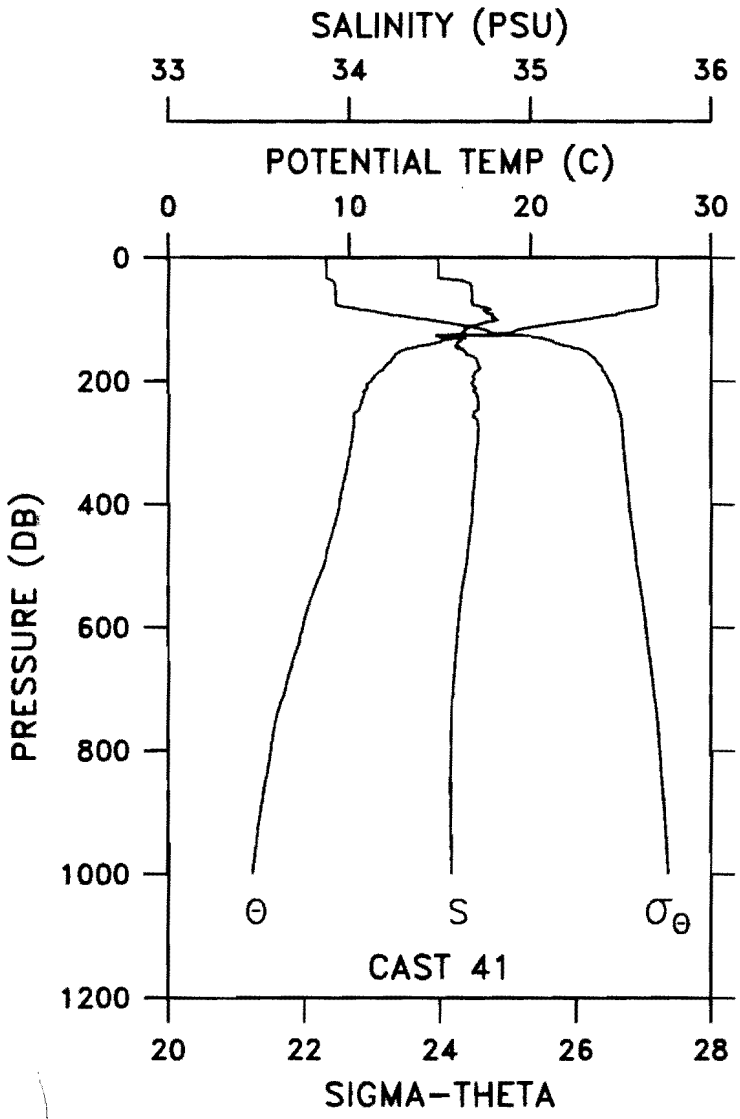
CAST EP5-88-OC -040 DATE 30 NOV 88 TIME 0107 GMT
LAT 07 01.1N LONG 140 09.0W WEATHER 1 SEA STATE 3
BAROMETER 11 WIND DIR 155 T SPD 17 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 27.6 WET 25.1 DEPTH 4957 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.141	34.566	22.348	0.000
10	27.139	34.568	22.350	0.055
20	27.140	34.568	22.350	0.110
30	27.117	34.572	22.360	0.164
40	27.102	34.573	22.366	0.219
50	27.275	34.737	22.434	0.274
60	26.843	34.850	22.657	0.327
70	26.474	34.833	22.761	0.379
80	25.661	34.818	23.003	0.429
90	25.546	34.843	23.057	0.478
100	24.873	34.822	23.247	0.526
110	23.249	34.875	23.768	0.570
120	20.823	34.847	24.426	0.608
130	18.682	34.651	24.836	0.642
140	16.797	34.670	25.310	0.671
150	14.579	34.637	25.784	0.695
160	13.574	34.612	25.976	0.717
170	12.756	34.619	26.147	0.737
180	12.065	34.701	26.345	0.755
190	11.864	34.718	26.396	0.772
200	11.557	34.717	26.453	0.788
250	10.668	34.721	26.618	0.865
300	10.026	34.696	26.711	0.936
350	9.599	34.680	26.770	1.004
400	9.280	34.671	26.815	1.071
450	8.812	34.652	26.876	1.135
499	8.326	34.628	26.933	1.196

CAST EP5-88-OC -041 DATE 30 NOV 88 TIME 1332 GMT

LAT 06 58.9N LONG 137 30.5W



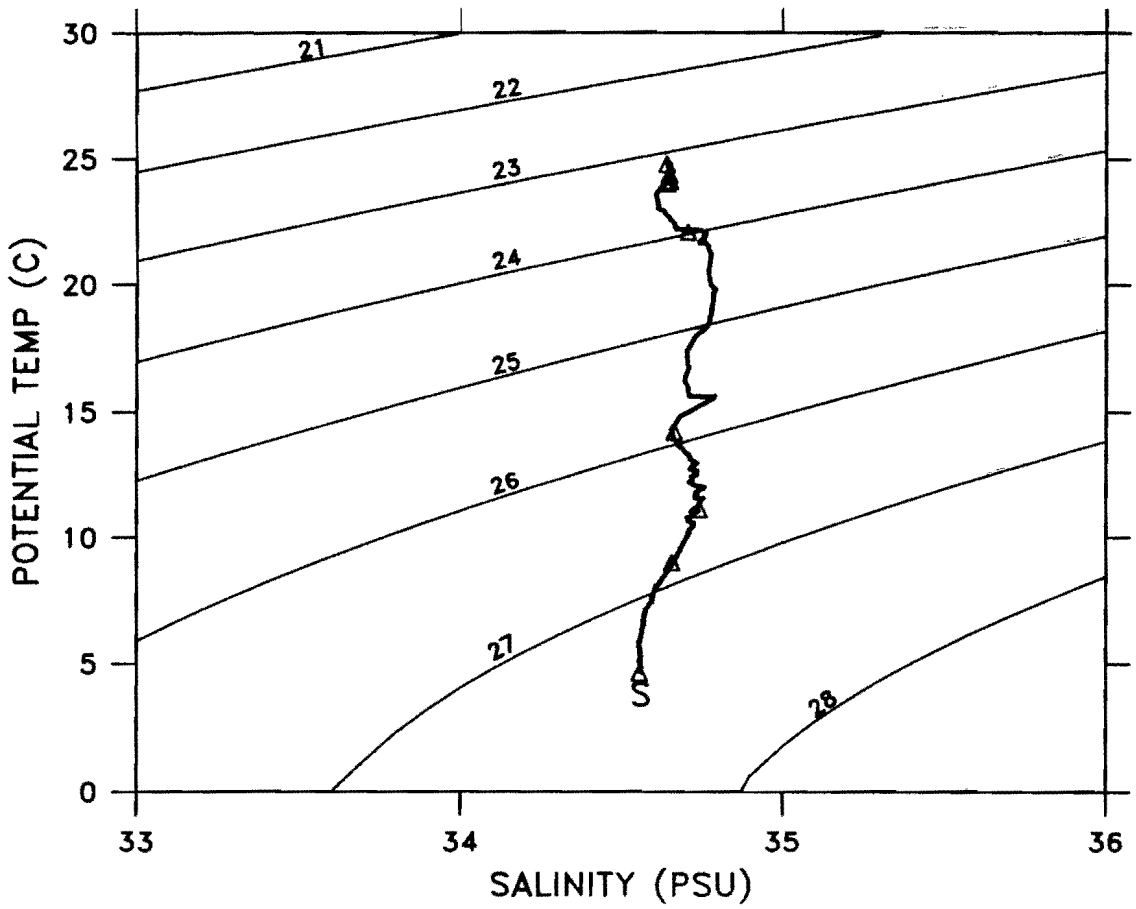


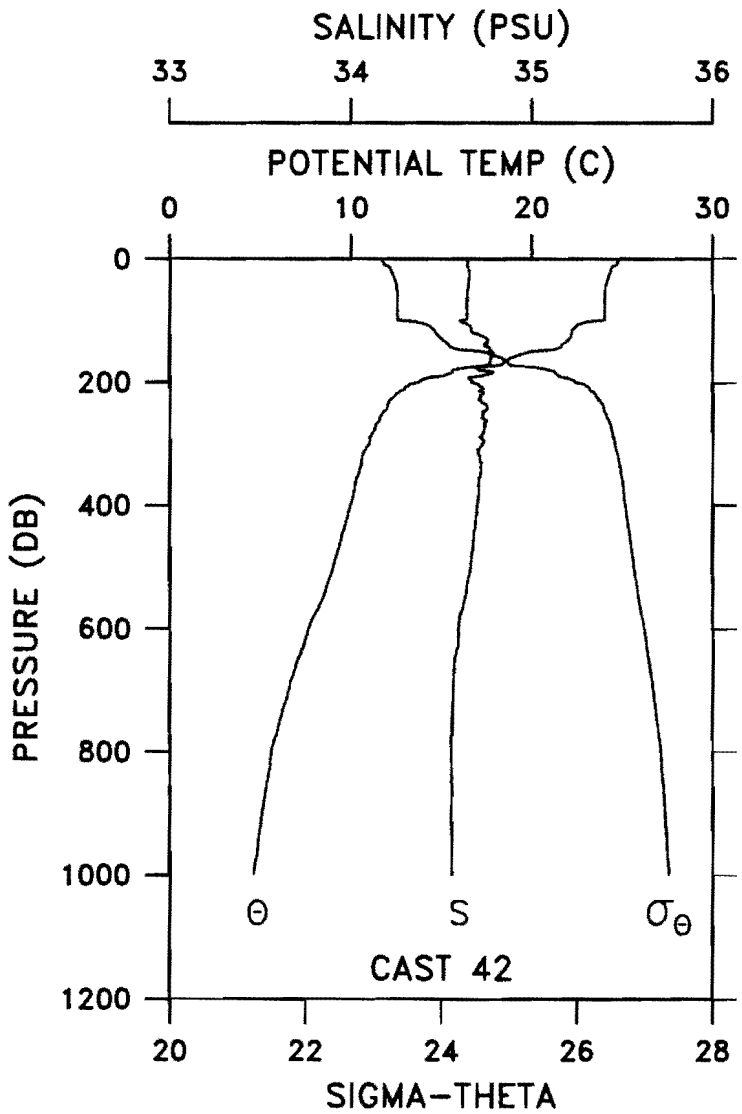
CAST EP5-88-OC -041 DATE 30 NOV 88 TIME 1332 GMT
LAT 06 58.9N LONG 137 30.5W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 140 T SPD 16 KT VISIBILITY 8
CLOUD 8 AMOUNT 4 DRY 25.0 WET 22.8 DEPTH 4751 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	27.031	34.490	22.326	0.000
10	27.031	34.490	22.326	0.055
20	27.033	34.490	22.325	0.110
30	27.026	34.490	22.328	0.165
40	27.044	34.646	22.439	0.220
50	27.049	34.674	22.458	0.274
60	27.041	34.677	22.463	0.328
70	27.034	34.676	22.465	0.382
80	26.694	34.732	22.615	0.436
90	24.956	34.765	23.179	0.485
100	22.924	34.806	23.810	0.530
110	20.658	34.688	24.350	0.568
120	19.059	34.632	24.726	0.602
130	15.805	34.633	25.510	0.632
140	14.490	34.592	25.768	0.655
150	13.000	34.630	26.107	0.676
160	12.485	34.680	26.248	0.695
170	12.222	34.709	26.321	0.713
180	11.897	34.719	26.391	0.730
190	11.466	34.689	26.448	0.746
200	11.204	34.683	26.492	0.762
250	10.368	34.688	26.646	0.837
300	10.123	34.708	26.703	0.908
350	9.816	34.691	26.742	0.977
400	9.462	34.679	26.792	1.044
450	9.028	34.664	26.851	1.110
500	8.586	34.644	26.905	1.173
550	7.922	34.615	26.983	1.233
600	7.436	34.599	27.042	1.290
650	6.940	34.584	27.099	1.344
700	6.477	34.571	27.152	1.396
750	5.964	34.564	27.213	1.445
800	5.677	34.561	27.246	1.492
900	5.082	34.559	27.316	1.581
1000	4.647	34.563	27.369	1.665
1001	4.640	34.563	27.369	1.665

CAST EP5-88-OC -042 DATE 01 DEC 88 TIME 0135 GMT

LAT 07 00.5N LONG 134 58.2W



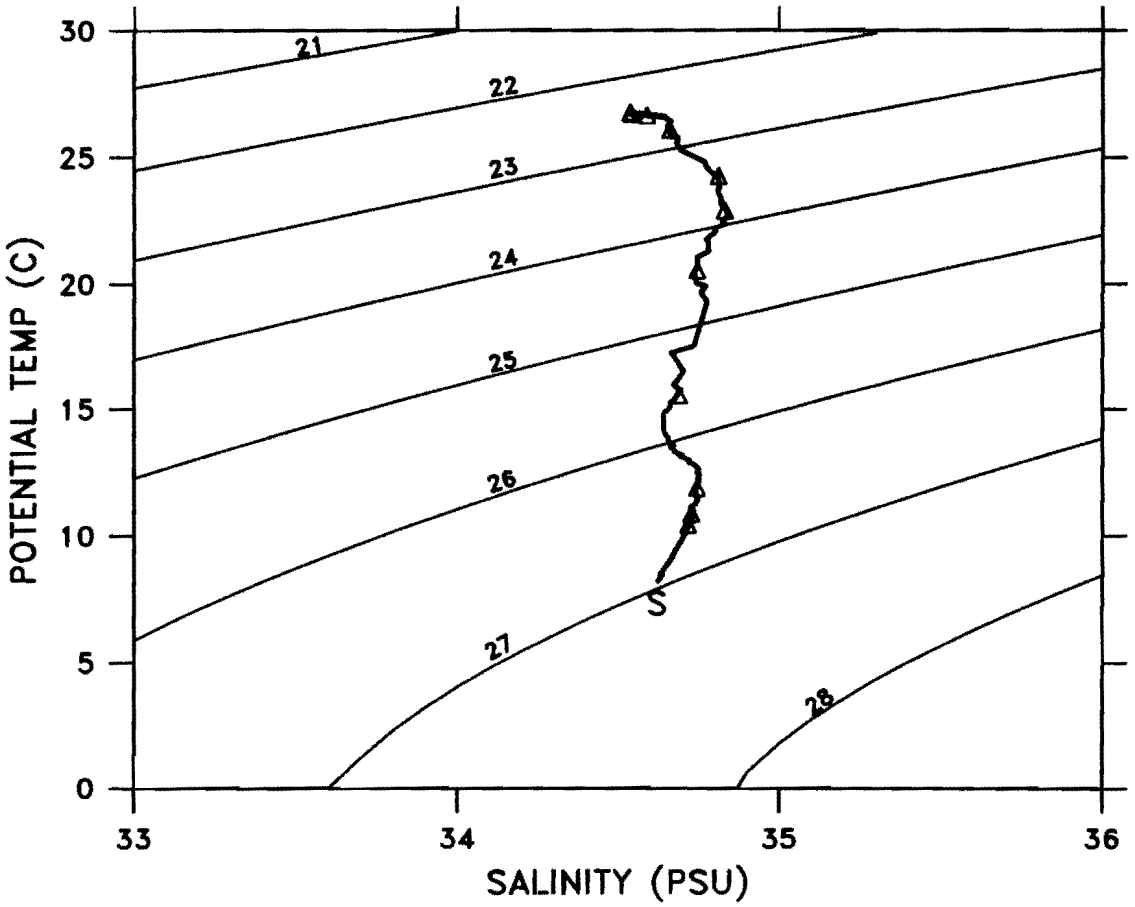


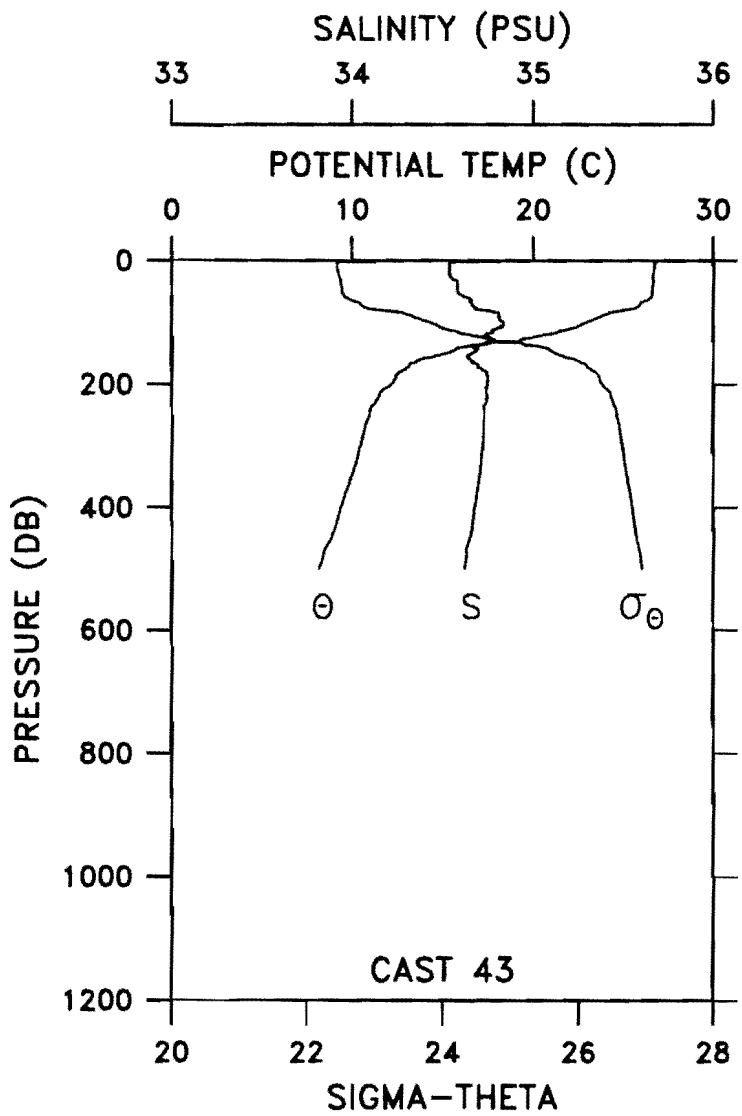
CAST EP5-88-OC -042 DATE 01 DEC 88 TIME 0135 GMT
LAT 07 00.5N LONG 134 58.2W WEATHER 2 SEA STATE 4
BAROMETER 12 WIND DIR 145 T SPD 11 KT VISIBILITY 8
CLOUD 6 AMOUNT 7 DRY 25.0 WET 23.2 DEPTH 4659 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.839	34.641	23.120	0.000
10	24.727	34.642	23.155	0.047
20	24.405	34.655	23.262	0.094
30	24.277	34.656	23.300	0.140
40	24.156	34.652	23.333	0.185
50	24.113	34.648	23.343	0.231
60	24.092	34.646	23.348	0.276
70	24.075	34.644	23.351	0.322
80	24.076	34.644	23.351	0.367
90	24.075	34.644	23.351	0.413
100	23.597	34.605	23.463	0.458
110	22.420	34.664	23.846	0.500
120	22.217	34.684	23.919	0.541
130	22.037	34.755	24.023	0.581
140	21.652	34.740	24.119	0.620
150	19.967	34.776	24.601	0.657
160	18.826	34.777	24.896	0.689
170	18.417	34.768	24.992	0.720
180	15.626	34.709	25.609	0.747
190	14.982	34.706	25.750	0.770
200	13.716	34.669	25.991	0.792
250	11.745	34.736	26.433	0.881
300	10.988	34.731	26.569	0.960
350	10.402	34.720	26.664	1.034
400	9.964	34.701	26.725	1.105
450	9.491	34.682	26.790	1.174
500	9.036	34.663	26.849	1.240
550	8.478	34.634	26.914	1.303
600	7.671	34.596	27.005	1.363
650	7.080	34.575	27.073	1.419
700	6.578	34.568	27.136	1.472
750	6.086	34.560	27.194	1.522
800	5.630	34.556	27.248	1.570
900	5.105	34.557	27.312	1.659
999	4.664	34.561	27.365	1.742

CAST EP5-88-OC -043 DATE 02 DEC 88 TIME 0017 GMT

LAT 07 01.7N LONG 132 30.5W



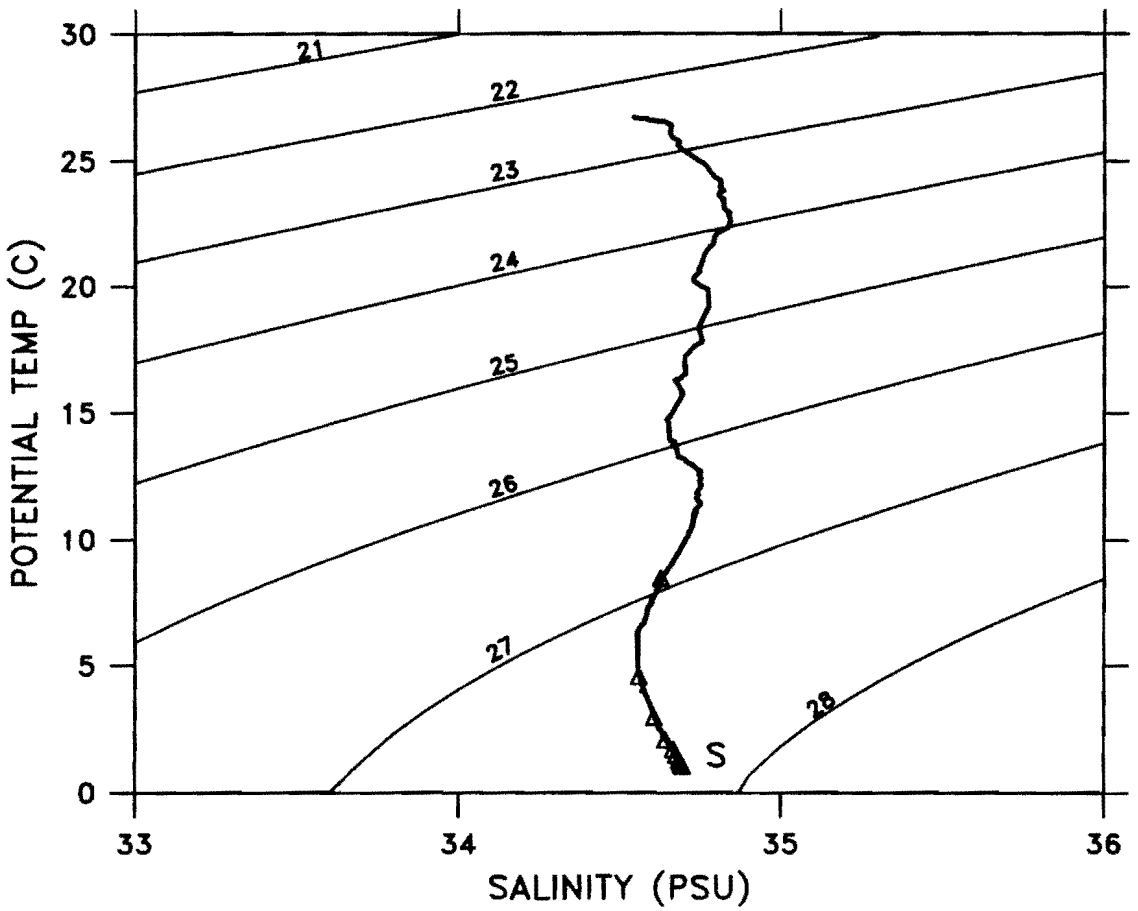


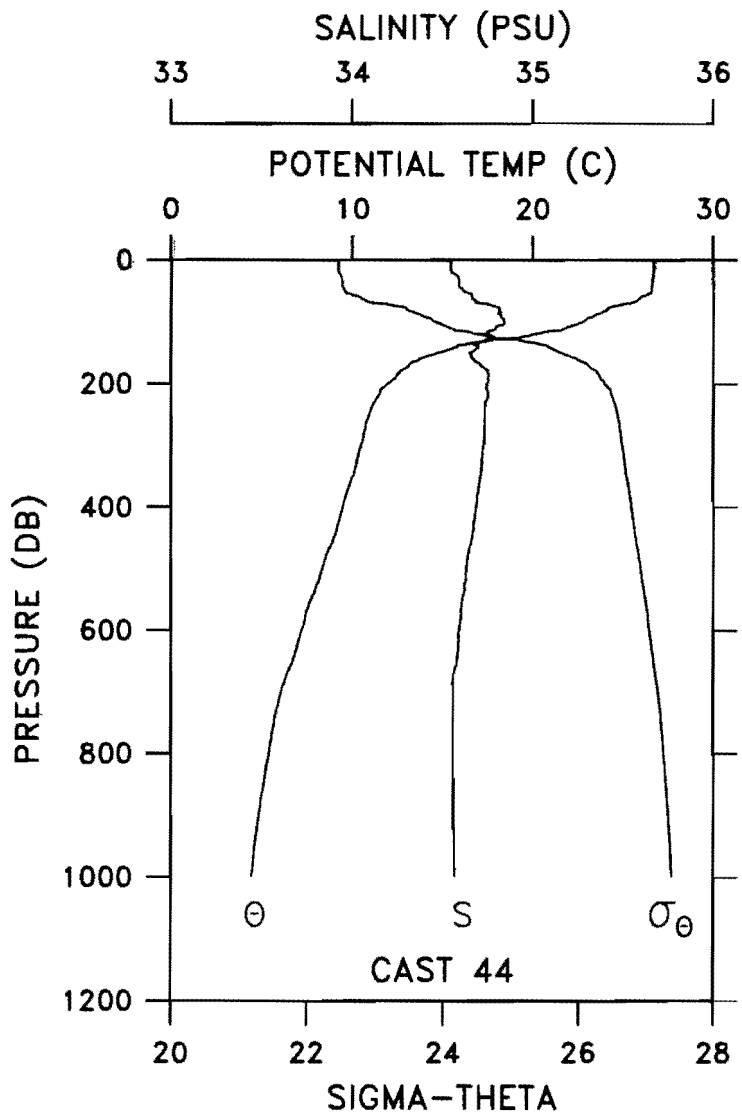
CAST EP5-88-OC -043 DATE 02 DEC 88 TIME 0017 GMT
LAT 07 01.7N LONG 132 30.5W WEATHER 2 SEA STATE 4
BAROMETER 10 WIND DIR 160 T SPD 18 KT VISIBILITY 7
CLOUD 4 AMOUNT 8 DRY 26.0 WET 24.3 DEPTH 4679 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.613	34.646	22.576	0.000
10	26.762	34.541	22.450	0.054
20	26.701	34.540	22.468	0.107
30	26.662	34.561	22.497	0.161
40	26.666	34.586	22.514	0.214
50	26.624	34.585	22.527	0.268
60	26.544	34.643	22.596	0.321
70	25.934	34.659	22.799	0.373
80	25.052	34.730	23.123	0.423
90	23.791	34.813	23.563	0.468
100	22.946	34.838	23.828	0.510
110	22.067	34.801	24.049	0.550
120	20.570	34.740	24.413	0.587
130	19.138	34.772	24.813	0.621
140	16.104	34.682	25.480	0.649
150	15.246	34.662	25.658	0.673
160	13.799	34.655	25.963	0.696
170	13.178	34.699	26.125	0.716
180	12.667	34.746	26.263	0.734
190	12.428	34.749	26.313	0.752
200	12.203	34.751	26.357	0.769
250	10.986	34.733	26.571	0.849
300	10.500	34.723	26.649	0.923
350	9.985	34.704	26.723	0.994
400	9.415	34.678	26.799	1.062
450	8.885	34.652	26.864	1.127
500	8.202	34.624	26.948	1.188
500	8.202	34.624	26.948	1.188

CAST EP5-88-OC -044 DATE 02 DEC 88 TIME 0253 GMT

LAT 06 59.9N LONG 132 29.7W



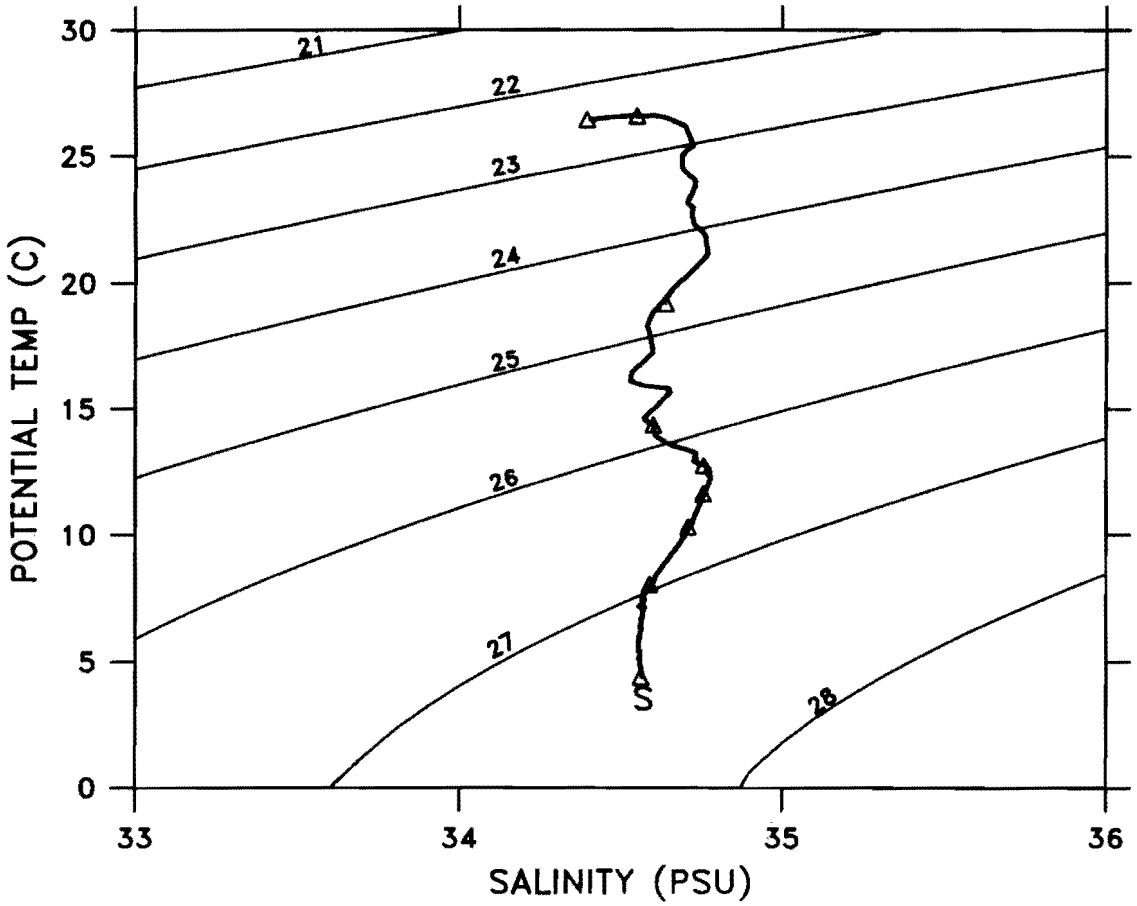


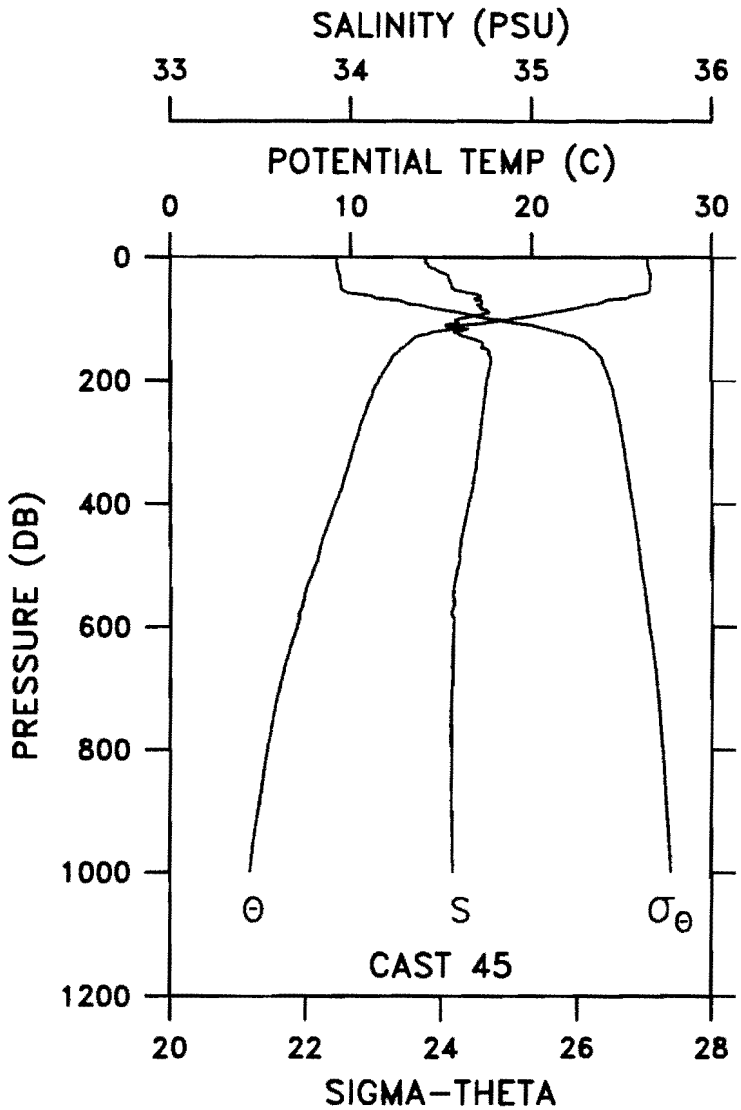
CAST EP5-88-OC -044 DATE 02 DEC 88 TIME 0253 GMT
LAT 06 59.9N LONG 132 29.7W WEATHER 1 SEA STATE 4
BAROMETER 12 WIND DIR 160 T SPD 16 KT VISIBILITY 8
CLOUD 6 AMOUNT 7 DRY 25.8 WET 24.0 DEPTH 4536 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.734	34.544	22.461	0.000
10	26.732	34.544	22.461	0.054
20	26.724	34.546	22.466	0.107
30	26.669	34.587	22.513	0.161
40	26.634	34.588	22.526	0.214
50	26.595	34.615	22.558	0.267
60	25.977	34.661	22.787	0.319
70	25.217	34.721	23.066	0.370
80	24.124	34.814	23.466	0.415
90	23.385	34.819	23.687	0.459
100	22.726	34.841	23.893	0.500
110	21.803	34.791	24.115	0.539
120	20.021	34.750	24.566	0.576
130	17.618	34.731	25.161	0.608
140	15.758	34.690	25.565	0.634
150	14.734	34.646	25.757	0.657
160	13.734	34.664	25.983	0.679
170	13.122	34.705	26.140	0.699
180	12.625	34.746	26.271	0.717
190	12.380	34.749	26.322	0.735
200	11.951	34.741	26.398	0.752
250	10.919	34.731	26.581	0.830
300	10.489	34.723	26.651	0.904
350	10.052	34.706	26.714	0.975
400	9.498	34.684	26.790	1.043
450	8.994	34.662	26.855	1.109
500	8.366	34.630	26.928	1.171
550	7.750	34.606	27.001	1.230
600	7.237	34.590	27.063	1.286
650	6.740	34.577	27.122	1.339
700	6.085	34.556	27.191	1.390
750	5.699	34.555	27.239	1.437
800	5.425	34.555	27.272	1.482
900	4.861	34.559	27.342	1.569
1000	4.437	34.566	27.394	1.649
1500	2.910	34.612	27.584	1.990
2000	2.070	34.644	27.681	2.266
2500	1.677	34.666	27.729	2.509
3000	1.499	34.675	27.749	2.743
3500	1.248	34.686	27.776	2.968
4000	1.072	34.693	27.794	3.185
4299	1.043	34.695	27.798	3.314

CAST EP5-88-OC -045 DATE 02 DEC 88 TIME 1252 GMT

LAT 07 59.7N LONG 132 10.2W



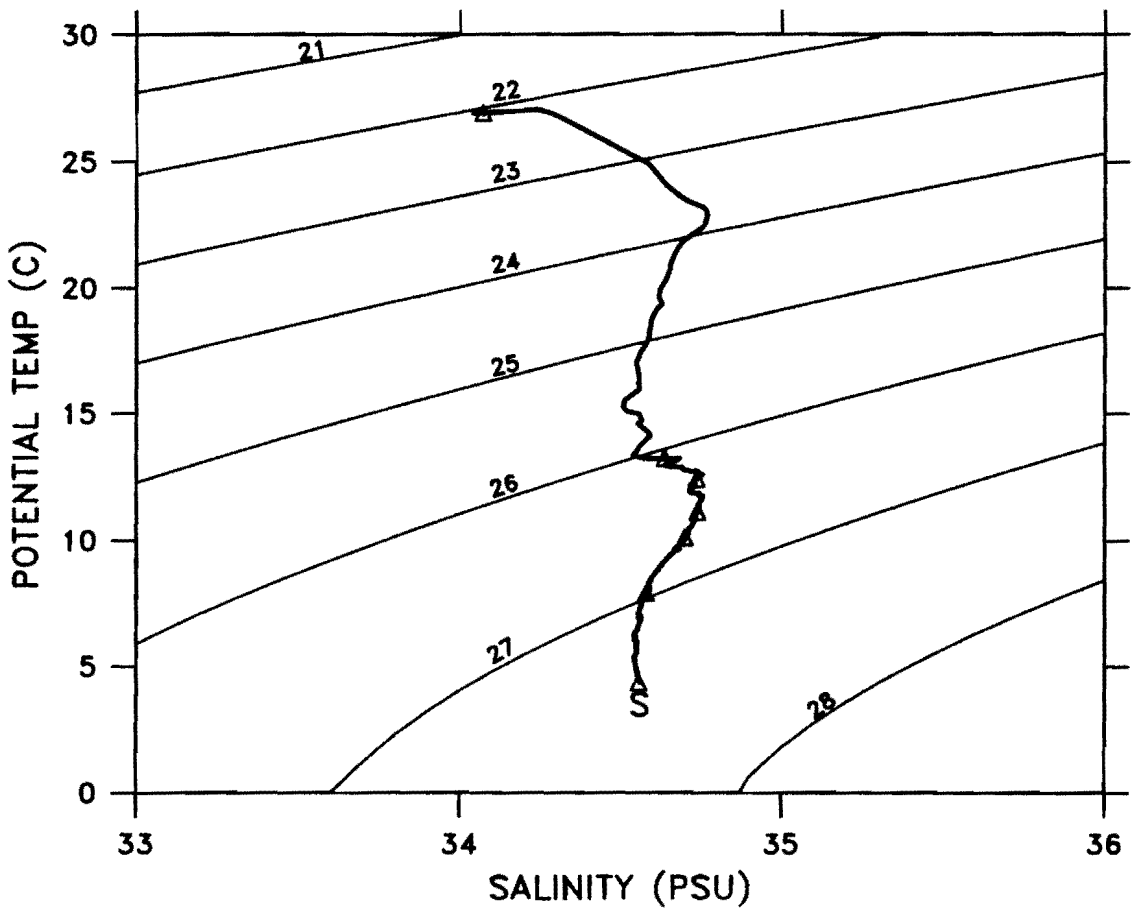


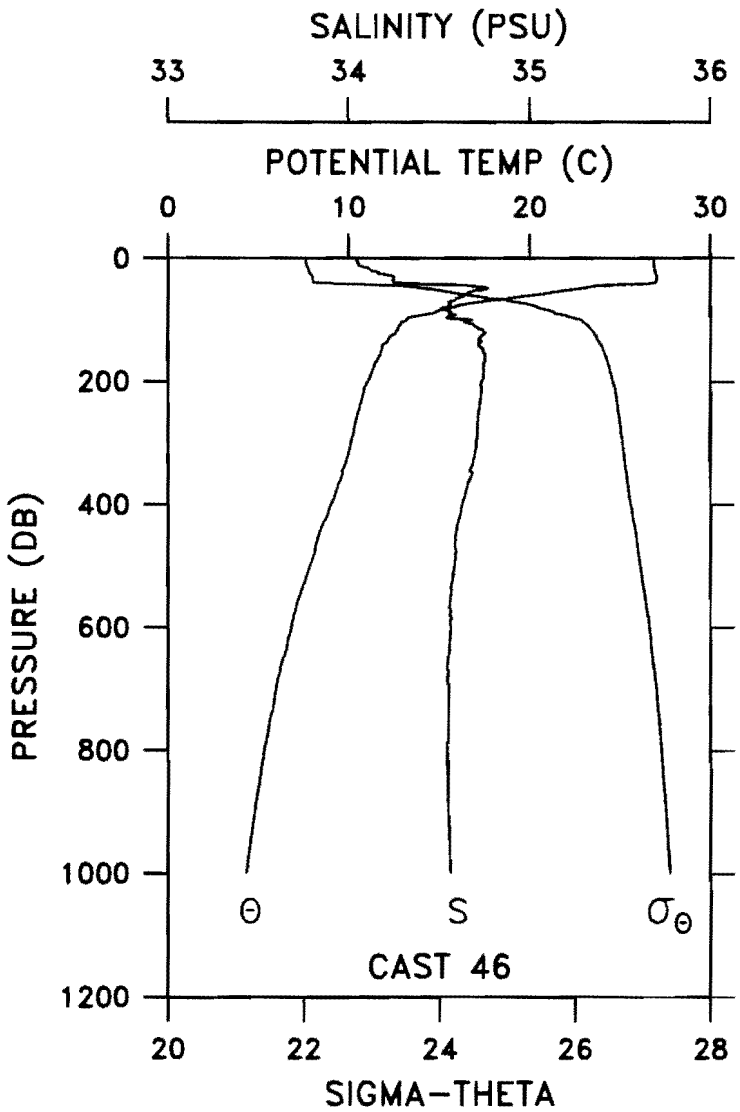
CAST EP5-88-OC -045 DATE 02 DEC 88 TIME 1252 GMT
LAT 07 59.7N LONG 132 10.2W WEATHER 2 SEA STATE 3
BAROMETER 12 WIND DIR 190 T SPD 06 KT VISIBILITY 7
CLOUD 5 AMOUNT 7 DRY 25.9 WET 24.0 DEPTH 4813 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.431	34.405	22.452	0.000
10	26.446	34.424	22.461	0.054
20	26.520	34.476	22.477	0.107
30	26.591	34.540	22.503	0.161
40	26.567	34.553	22.520	0.214
50	26.568	34.565	22.529	0.268
60	25.971	34.704	22.821	0.320
70	24.104	34.725	23.404	0.368
80	22.770	34.721	23.790	0.412
90	21.065	34.765	24.299	0.451
100	18.919	34.602	24.739	0.485
110	16.140	34.530	25.355	0.515
120	14.783	34.583	25.698	0.540
130	13.535	34.659	26.021	0.561
140	13.160	34.730	26.153	0.581
150	12.728	34.764	26.265	0.599
160	12.348	34.774	26.347	0.617
170	12.178	34.777	26.383	0.634
180	11.961	34.770	26.419	0.650
190	11.755	34.763	26.452	0.667
200	11.547	34.755	26.485	0.683
250	10.852	34.732	26.594	0.759
300	10.250	34.709	26.683	0.832
350	9.758	34.687	26.749	0.902
400	9.160	34.655	26.823	0.968
450	8.542	34.618	26.892	1.032
500	8.044	34.597	26.951	1.093
550	7.423	34.566	27.018	1.150
600	7.019	34.568	27.076	1.206
650	6.489	34.562	27.143	1.258
700	6.055	34.560	27.198	1.307
750	5.688	34.555	27.241	1.354
800	5.379	34.559	27.281	1.399
900	4.868	34.560	27.341	1.485
1000	4.406	34.567	27.399	1.565
1000	4.406	34.567	27.399	1.565

CAST EP5-88-OC -046 DATE 02 DEC 88 TIME 1913 GMT

LAT 09 00.1N LONG 132 07.9W



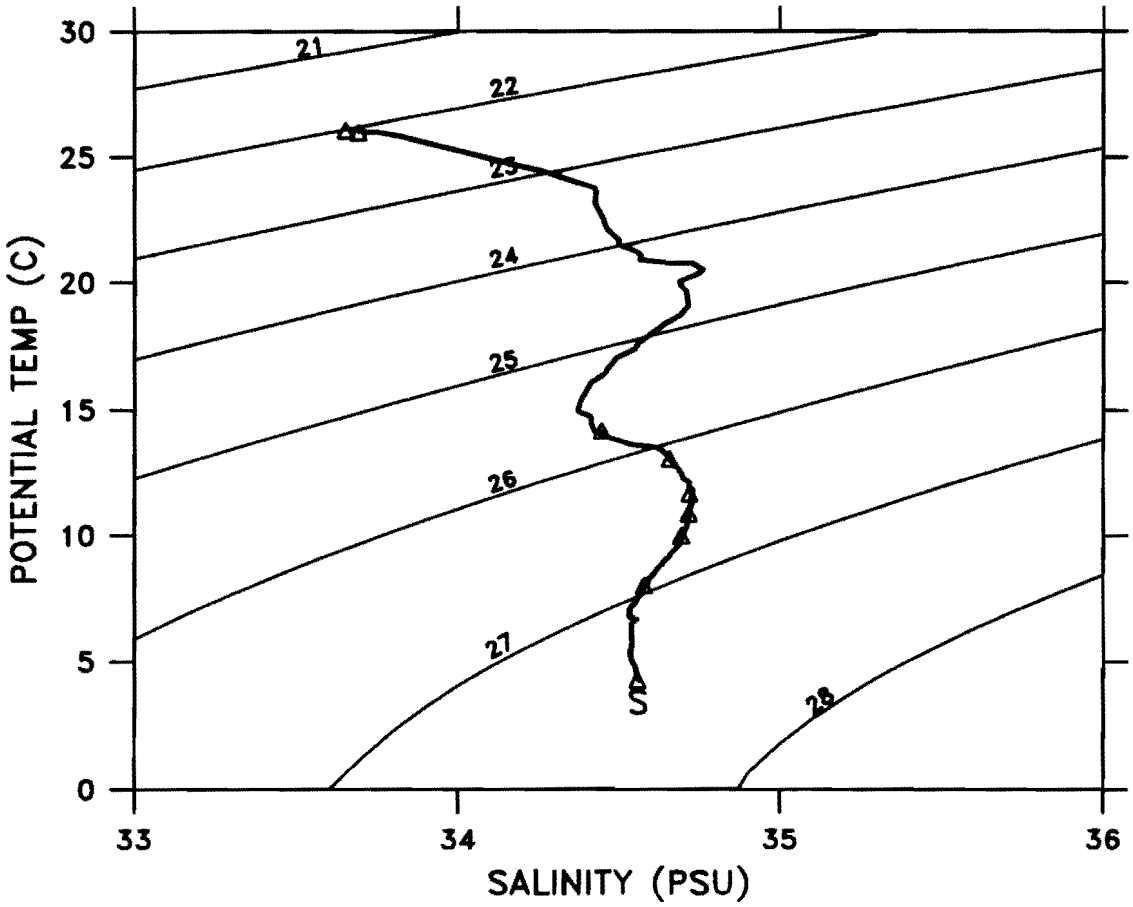


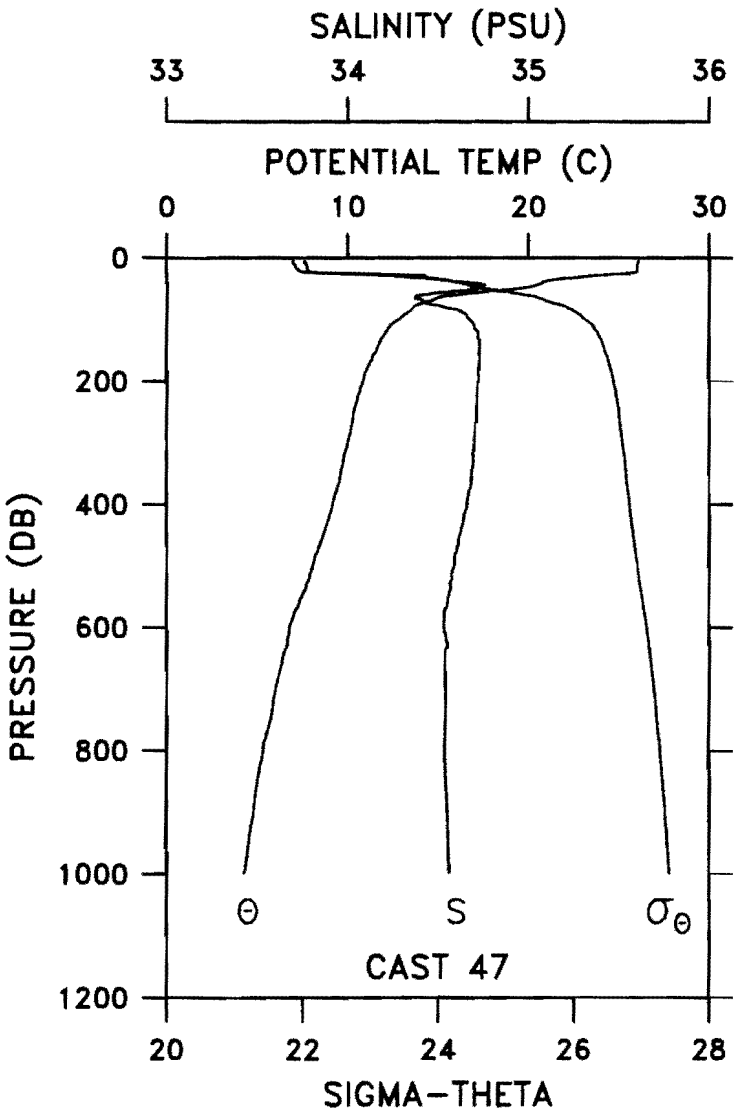
CAST EP5-88-OC -046 DATE 02 DEC 88 TIME 1913 GMT
LAT 09 00.1N LONG 132 07.9W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 120 T SPD 24 KT VISIBILITY 7
CLOUD 6 AMOUNT 6 DRY 26.1 WET 24.9 DEPTH 4907 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.884	34.041	22.035	0.000
10	26.878	34.050	22.043	0.058
20	26.938	34.126	22.082	0.115
30	27.048	34.249	22.139	0.172
40	26.863	34.290	22.228	0.229
50	22.531	34.761	23.888	0.275
60	20.122	34.631	24.449	0.313
70	17.450	34.564	25.073	0.345
80	15.675	34.530	25.460	0.372
90	14.589	34.553	25.718	0.396
100	13.231	34.683	26.101	0.417
110	12.780	34.694	26.201	0.436
120	12.593	34.754	26.284	0.454
130	12.234	34.721	26.328	0.471
140	11.900	34.714	26.386	0.488
150	11.806	34.743	26.427	0.504
160	11.665	34.753	26.461	0.521
170	11.468	34.745	26.491	0.536
180	11.330	34.744	26.516	0.552
190	11.219	34.743	26.536	0.568
200	11.077	34.737	26.557	0.583
250	10.521	34.715	26.640	0.657
300	10.131	34.703	26.698	0.728
350	9.663	34.680	26.759	0.797
400	9.022	34.626	26.822	0.863
450	8.354	34.590	26.899	0.927
500	7.865	34.583	26.966	0.987
550	7.266	34.560	27.035	1.044
600	6.831	34.564	27.099	1.098
650	6.366	34.546	27.147	1.150
700	5.976	34.552	27.202	1.199
750	5.627	34.549	27.244	1.246
800	5.320	34.542	27.275	1.291
900	4.801	34.551	27.342	1.377
1000	4.347	34.562	27.401	1.457
1000	4.347	34.562	27.401	1.457

CAST EP5-88-OC -047 DATE 03 DEC 88 TIME 0116 GMT

LAT 09 59.6N LONG 132 02.2W



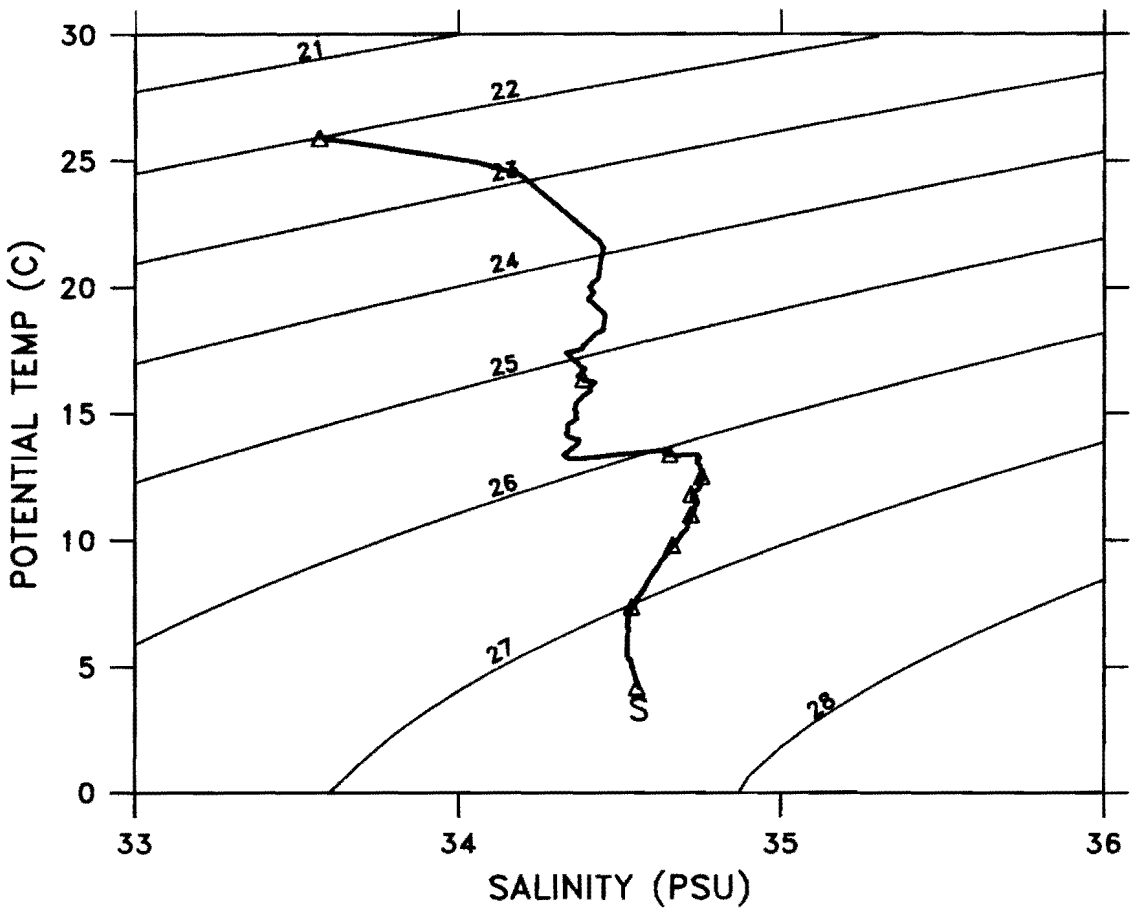


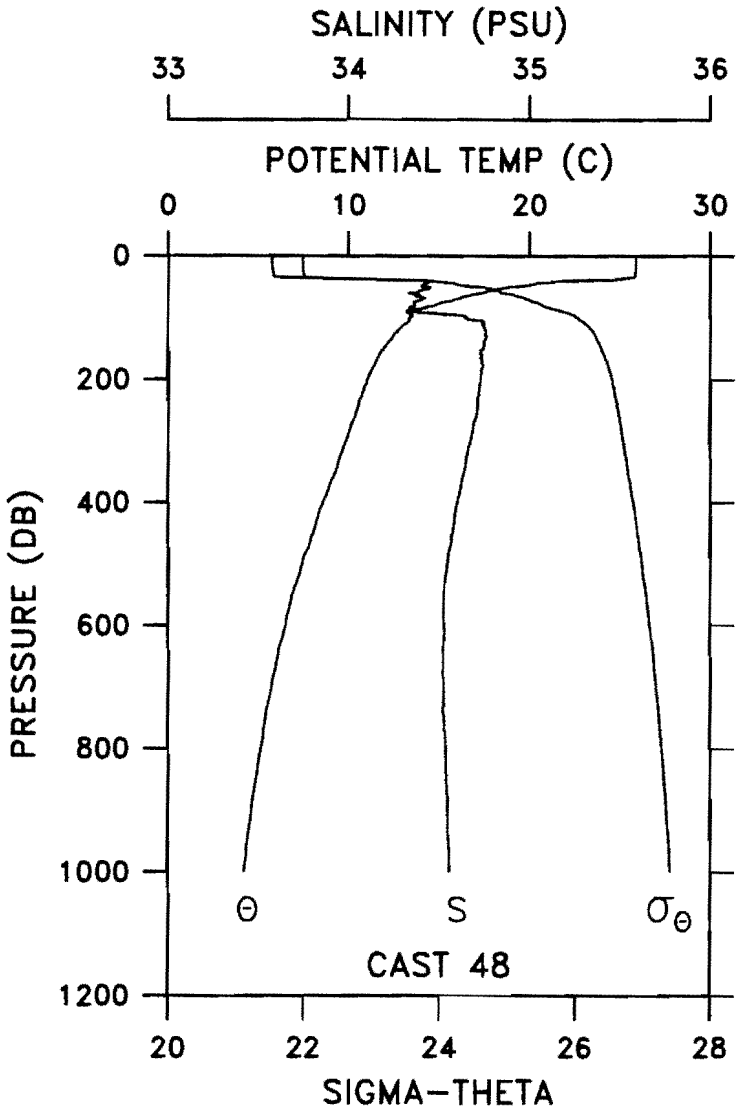
CAST EP5-88-OC -047 DATE 03 DEC 88 TIME 0116 GMT
LAT 09 59.6N LONG 132 02.2W WEATHER 1 SEA STATE 3
BAROMETER 12 WIND DIR 075 T SPD 10 KT VISIBILITY 8
CLOUD 7 AMOUNT 2 DRY 25.8 WET 24.0 DEPTH 5029 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	26.092	33.696	22.024	0.000
10	25.998	33.707	22.061	0.058
20	25.992	33.728	22.079	0.115
30	23.165	34.425	23.452	0.168
40	20.753	34.664	24.306	0.208
50	19.364	34.712	24.709	0.242
60	16.058	34.411	25.282	0.272
70	14.561	34.414	25.616	0.297
80	13.626	34.538	25.908	0.319
90	13.265	34.645	26.065	0.339
100	12.832	34.670	26.171	0.358
110	12.353	34.697	26.286	0.376
120	12.122	34.720	26.348	0.394
130	11.882	34.719	26.394	0.411
140	11.716	34.727	26.432	0.427
150	11.596	34.728	26.454	0.443
160	11.381	34.729	26.496	0.459
170	11.236	34.727	26.520	0.475
180	11.077	34.722	26.546	0.490
190	10.940	34.722	26.571	0.505
200	10.849	34.721	26.586	0.520
250	10.347	34.711	26.667	0.593
300	10.005	34.698	26.716	0.663
350	9.610	34.684	26.771	0.731
400	9.188	34.659	26.821	0.797
450	8.656	34.618	26.874	0.862
500	8.075	34.587	26.939	0.923
550	7.459	34.556	27.005	0.982
600	6.795	34.532	27.078	1.037
650	6.403	34.538	27.136	1.089
700	6.017	34.540	27.188	1.139
750	5.734	34.541	27.224	1.187
800	5.310	34.535	27.270	1.232
900	4.788	34.550	27.343	1.318
1000	4.269	34.562	27.410	1.398
1001	4.264	34.563	27.411	1.399

CAST EP5-88-OC -048 DATE 03 DEC 88 TIME 0711 GMT

LAT 11 00.3N LONG 131 51.4W



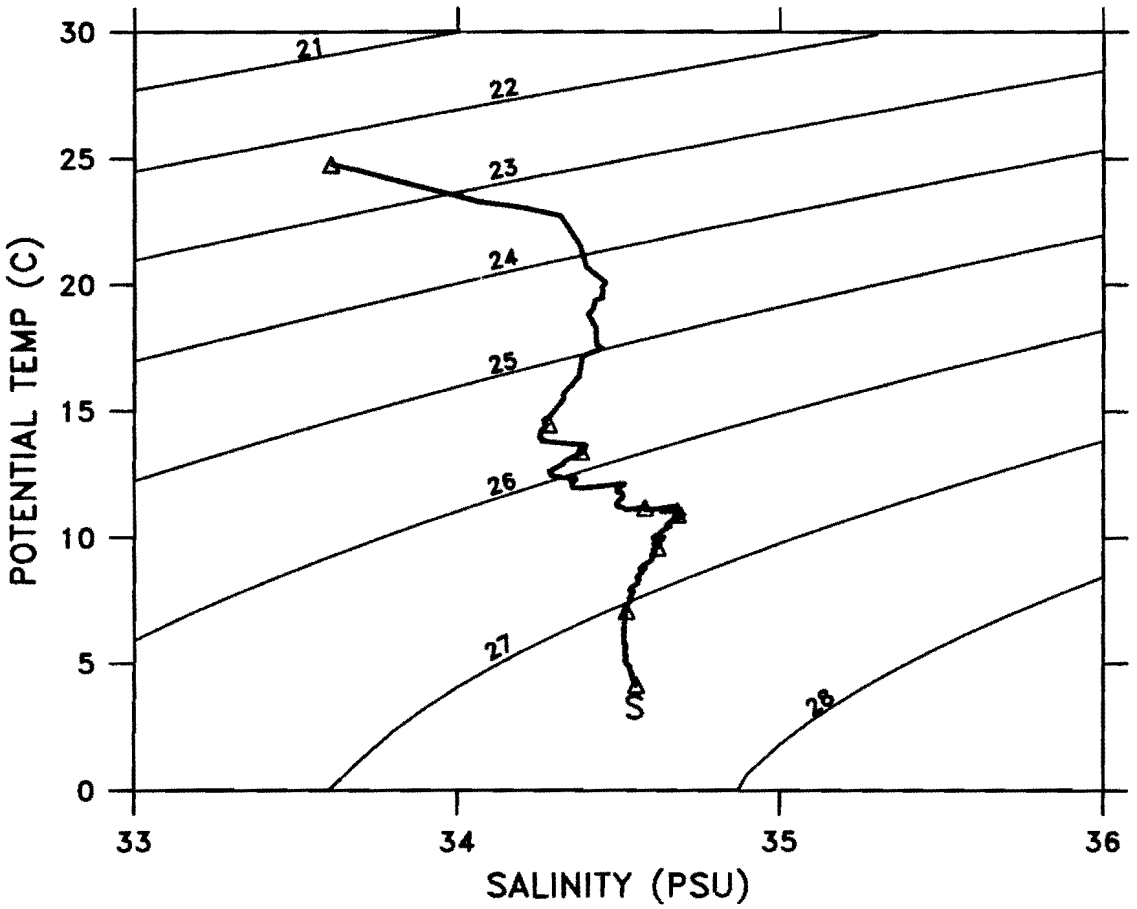


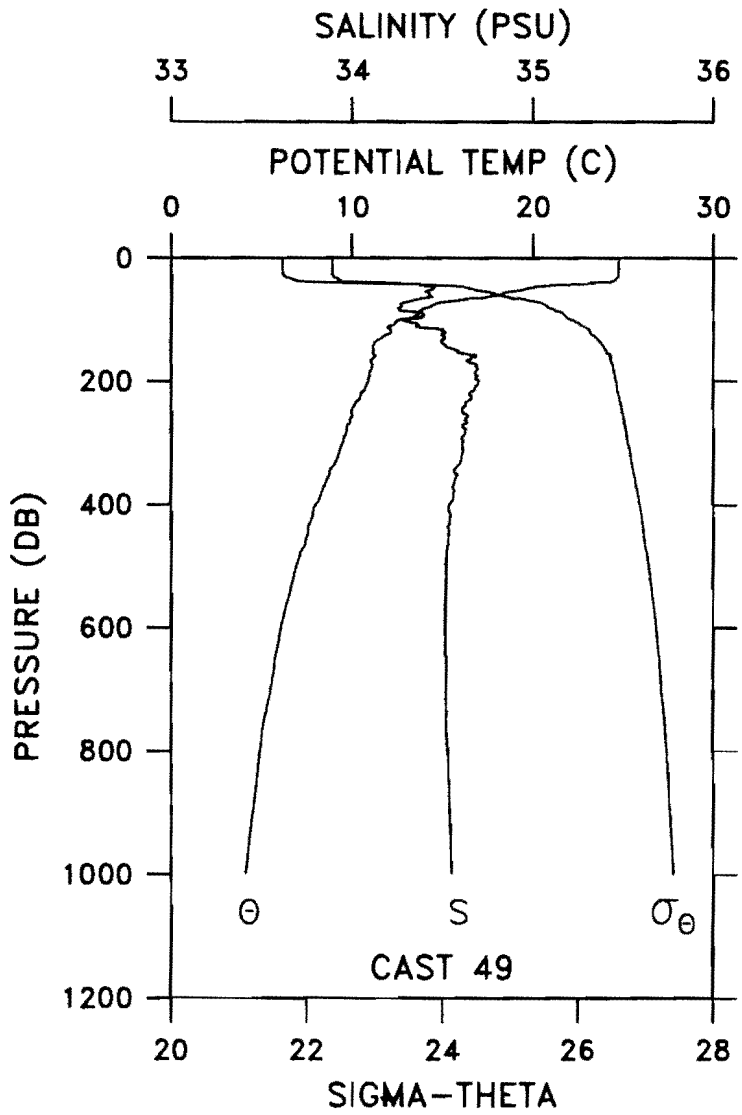
CAST EP5-88-OC -048 DATE 03 DEC 88 TIME 0711 GMT
LAT 11 00.3N LONG 131 51.4W WEATHER 1 SEA STATE 4
BAROMETER 14 WIND DIR 095 T SPD 20 KT VISIBILITY 8
CLOUD 7 AMOUNT 2 DRY 25.1 WET 23.0 DEPTH 5029 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	25.913	33.578	21.990	0.000
10	25.903	33.577	21.992	0.058
20	25.904	33.579	21.993	0.116
30	25.876	33.584	22.006	0.175
40	21.837	34.436	23.836	0.229
50	18.934	34.452	24.620	0.266
60	17.391	34.333	24.910	0.297
70	15.893	34.409	25.318	0.326
80	14.785	34.367	25.531	0.351
90	13.181	34.343	25.848	0.375
100	13.338	34.642	26.048	0.395
110	13.132	34.740	26.165	0.414
120	12.749	34.756	26.255	0.433
130	12.462	34.760	26.314	0.450
140	12.173	34.747	26.360	0.467
150	11.945	34.743	26.400	0.484
160	11.710	34.737	26.440	0.501
170	11.528	34.735	26.473	0.517
180	11.377	34.739	26.504	0.532
190	11.197	34.733	26.532	0.548
200	11.049	34.727	26.555	0.563
250	10.477	34.710	26.643	0.637
300	9.868	34.673	26.719	0.708
350	9.305	34.638	26.785	0.776
400	8.597	34.599	26.868	0.840
450	8.059	34.574	26.931	0.901
500	7.435	34.544	26.999	0.959
550	6.888	34.526	27.061	1.015
600	6.531	34.526	27.109	1.068
650	6.087	34.525	27.166	1.118
700	5.754	34.524	27.208	1.167
750	5.404	34.527	27.253	1.213
800	5.156	34.536	27.290	1.257
900	4.642	34.547	27.357	1.341
1000	4.214	34.558	27.412	1.420
1009	4.171	34.558	27.417	1.427

CAST EP5-88-OC -049 DATE 03 DEC 88 TIME 1301 GMT

LAT 12 00.0N LONG 131 39.9W





CAST EP5-88-OC -049 DATE 03 DEC 88 TIME 1301 GMT
LAT 12 00.0N LONG 131 39.9W WEATHER 1 SEA STATE 3
BAROMETER 13 WIND DIR 095 T SPD 14 KT VISIBILITY 8
CLOUD 0 AMOUNT 1 DRY 24.5 WET 23.6 DEPTH 4918 M

PRES (DB)	POT TEMP (C)	SAL (PSU)	SIG-TH	DELTA-D (DYN-M)
0	24.754	33.615	22.371	0.000
10	24.747	33.615	22.373	0.055
20	24.745	33.615	22.373	0.109
30	24.719	33.629	22.392	0.164
40	23.279	34.068	23.148	0.217
50	19.571	34.447	24.453	0.257
60	18.093	34.428	24.812	0.290
70	15.447	34.328	25.356	0.319
80	14.231	34.259	25.567	0.344
90	13.694	34.395	25.784	0.367
100	12.638	34.284	25.911	0.389
110	12.112	34.356	26.068	0.409
120	12.174	34.519	26.183	0.428
130	11.618	34.512	26.282	0.446
140	11.197	34.515	26.362	0.463
150	11.177	34.588	26.423	0.480
160	11.295	34.683	26.475	0.496
170	11.057	34.652	26.495	0.512
180	11.088	34.693	26.521	0.527
190	10.980	34.693	26.540	0.543
200	10.906	34.696	26.557	0.558
250	9.981	34.613	26.653	0.632
300	9.485	34.611	26.735	0.702
350	8.782	34.584	26.827	0.768
400	8.005	34.538	26.911	0.830
450	7.566	34.536	26.974	0.889
500	6.937	34.521	27.050	0.945
550	6.525	34.518	27.104	0.998
600	6.073	34.515	27.161	1.048
650	5.746	34.521	27.206	1.096
700	5.504	34.521	27.236	1.143
750	5.140	34.521	27.279	1.188
800	4.916	34.529	27.312	1.231
900	4.519	34.540	27.365	1.313
1000	4.131	34.553	27.417	1.391
1001	4.127	34.553	27.417	1.392

CAST EP5-88-OC -001 LAT 05 00.0S LONG 140 00.3W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	25.769	35.459	25.769	23.454
17.	25.774	35.460	25.770	23.454
37.	25.698	35.465	25.690	23.483
57.	25.536	35.436	25.523	23.512
77.	24.538	35.281	24.522	23.700
97.	23.438	35.183	23.418	23.953
121.	21.842	35.977	21.818	25.013
147.	16.603	35.249	16.579	25.806
198.	12.616	34.921	12.589	26.414
296.	10.596	34.785	10.560	26.687
496.	8.289	34.646	8.237	26.960
997.	4.436	34.549	4.357	27.390

CAST EP5-88-OC -002 LAT 03 59.0S LONG 140 00.7W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	25.645	35.504	25.645	23.526
18.	25.651	35.503	25.647	23.525
36.	25.627	35.497	25.619	23.529
57.	24.379	35.230	24.367	23.708
75.	23.360	35.159	23.344	23.956
97.	21.883	35.982	21.864	25.004
122.	15.498	35.194	15.479	26.016
145.	13.145	34.956	13.125	26.334
195.	12.317	34.892	12.291	26.450
297.	11.242	34.826	11.205	26.603
492.	8.147	34.638	8.096	26.975
1006.	4.369	34.556	4.290	27.402

CAST EP5-88-OC -003 LAT 02 59.8S LONG 139 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	24.783	35.472	24.783	23.766
17.	24.757	35.472	24.753	23.775
38.	24.761	35.472	24.753	23.775
57.	24.395	35.393	24.383	23.826
77.	22.354	35.928	22.339	24.829
97.	17.844	35.422	17.827	25.639
121.	13.822	34.997	13.805	26.226
147.	13.349	34.946	13.328	26.285
197.	12.751	34.908	12.724	26.377
297.	12.037	34.875	11.998	26.493
496.	8.134	34.643	8.083	26.981
1000.	4.511	34.559	4.431	27.390

CAST EP5-88-OC -004 LAT 01 59.2S LONG 139 59.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
58.	24.110	35.660	24.098	24.114
496.	8.269	34.648	8.217	26.965
993.	4.292	34.558	4.215	27.412
1492.	2.988	34.604	2.881	27.580
1993.	2.280	34.646	2.140	27.677
2495.	1.882	34.664	1.704	27.725
2992.	1.646	34.677	1.427	27.756
3242.	1.562	34.682	1.320	27.768
3492.	1.464	34.690	1.200	27.783
3742.	1.411	34.693	1.122	27.790
4103.	1.410	34.695	1.082	27.795

CAST EP5-88-OC -005 LAT 01 58.4S LONG 139 57.1W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	24.406	35.565	24.406	23.950
8.	24.399	35.562	24.397	23.950
17.	24.410	35.564	24.406	23.949
37.	24.418	35.570	24.410	23.952
57.	23.752	35.667	23.740	24.225
77.	19.897	35.670	19.883	25.305
99.	17.655	35.359	17.638	25.637
123.	15.998	35.222	15.979	25.924
148.	13.792	35.008	13.771	26.242
198.	12.701	34.902	12.674	26.382
248.	12.353	34.884	12.320	26.438
295.	11.938	34.864	11.899	26.503

CAST EP5-88-OC -006 LAT 01 29.8S LONG 139 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	22.769	35.336	22.769	24.257
17.	22.772	35.337	22.769	24.257
38.	22.754	35.338	22.746	24.265
57.	22.625	35.332	22.614	24.298
77.	22.365	35.811	22.350	24.737
97.	18.071	35.376	18.054	25.548
122.	14.984	35.097	14.966	26.055
146.	13.428	34.951	13.407	26.273
197.	12.747	34.906	12.720	26.376
294.	11.663	34.850	11.625	26.544
495.	8.100	34.636	8.049	26.981
1003.	4.454	34.553	4.375	27.391

CAST EP5-88-OC -007 LAT 00 59.2S LONG 139 85.5W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	21.545	35.018	21.545	24.360
18.	21.533	35.036	21.530	24.378
38.	21.531	35.088	21.524	24.419
57.	21.599	35.181	21.588	24.472
77.	21.628	35.226	21.613	24.499
98.	21.110	35.481	21.091	24.837
122.	16.302	35.281	16.282	25.900
147.	14.215	35.079	14.194	26.208
197.	13.212	34.986	13.185	26.345
296.	11.544	34.837	11.506	26.556
495.	8.206	34.633	8.154	26.963
993.	4.562	34.554	4.483	27.380

CAST EP5-88-OC -008 LAT 00 30.5S LONG 139 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	22.037	34.909	22.037	24.140
17.	21.858	34.927	21.855	24.204
36.	21.667	34.986	21.660	24.303
56.	21.426	35.099	21.415	24.457
76.	21.468	35.210	21.453	24.531
96.	20.373	35.538	20.355	25.079
121.	15.407	35.205	15.388	26.045
147.	13.869	35.018	13.848	26.234
196.	12.581	34.876	12.555	26.386
296.	11.413	34.810	11.376	26.559
495.	8.561	34.648	8.508	26.920
997.	4.551	34.555	4.471	27.382

CAST EP5-88-OC -010 LAT 00 05.3S LONG 139 58.9W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
495.	8.540	34.650	8.487	26.925
996.	4.549	34.557	4.469	27.384
1492.	2.966	34.607	2.859	27.584
1988.	2.299	34.642	2.159	27.672
2493.	1.850	34.666	1.673	27.729
2739.	1.729	34.672	1.532	27.745
2994.	1.660	34.676	1.440	27.755
3242.	1.614	34.680	1.371	27.763
3492.	1.555	34.684	1.288	27.772
3741.	1.466	34.691	1.176	27.785
4194.	1.414	34.696	1.076	27.796

CAST EP5-88-OC -011 LAT 00 03.9S LONG 140 00.0W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
2.	22.578	34.834	22.578	23.930
8.	22.575	34.836	22.573	23.933
18.	22.490	34.843	22.486	23.963
36.	21.912	34.935	21.905	24.196
57.	21.383	35.035	21.372	24.420
78.	20.713	35.120	20.698	24.668
97.	19.484	35.386	19.466	25.197
122.	16.342	35.185	16.322	25.816
146.	14.807	35.059	14.785	26.065
196.	12.385	34.855	12.359	26.408
246.	11.817	34.833	11.785	26.501
298.	11.683	34.827	11.645	26.522

CAST EP5-88-OC -013 LAT 00 29.4N LONG 140 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	23.172	34.761	23.172	23.704
17.	23.025	34.770	23.022	23.755
36.	22.397	34.822	22.390	23.974
57.	21.415	34.959	21.404	24.354
77.	20.697	35.071	20.682	24.635
98.	19.875	35.126	19.857	24.897
122.	17.086	35.059	17.066	25.545
146.	14.386	34.988	14.365	26.101
197.	12.457	34.805	12.431	26.355
296.	11.506	34.818	11.468	26.548
494.	8.238	34.632	8.186	26.957
995.	4.538	34.557	4.459	27.385

CAST EP5-88-OC -014 LAT 01 00.1N LONG 140 00.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	24.221	34.707	24.221	23.356
16.	24.084	34.705	24.081	23.396
36.	23.077	34.722	23.070	23.704
57.	21.362	34.877	21.351	24.306
76.	20.094	34.989	20.080	24.734
97.	19.459	35.009	19.441	24.916
121.	16.145	34.881	16.126	25.628
147.	14.160	34.870	14.139	26.058
198.	12.687	34.807	12.660	26.312
296.	11.060	34.784	11.023	26.604
495.	8.014	34.622	7.963	26.983

CAST EP5-88-OC -015 LAT 01 29.7N LONG 140 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
2.	24.822	34.695	24.822	23.167
18.	24.855	34.699	24.851	23.161
36.	24.534	34.711	24.526	23.268
56.	22.540	34.715	22.529	23.854
76.	20.888	34.758	20.874	24.345
96.	19.725	34.865	19.707	24.737
121.	16.790	34.868	16.770	25.468
146.	14.706	34.851	14.684	25.927
195.	12.848	34.887	12.821	26.342
297.	11.075	34.780	11.038	26.598
495.	8.207	34.631	8.155	26.961
1029.	4.321	34.562	4.240	27.413

CAST EP5-88-OC -016 LAT 02 00.6N LONG 140 00.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
492.	8.001	34.616	7.951	26.980
993.	4.406	34.561	4.328	27.402
1492.	3.123	34.604	3.014	27.568
1992.	2.378	34.638	2.236	27.663
2493.	1.855	34.667	1.678	27.730
2741.	1.786	34.672	1.588	27.741
2992.	1.723	34.673	1.502	27.748
3240.	1.571	34.681	1.329	27.766
3496.	1.464	34.690	1.199	27.783
3741.	1.419	34.693	1.130	27.790
4242.	1.434	34.695	1.090	27.794

CAST EP5-88-OC -017 LAT 02 00.2N LONG 140 00.7W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	24.829	34.632	24.829	23.117
8.	24.834	34.631	24.832	23.115
17.	24.814	34.630	24.810	23.121
37.	24.572	34.619	24.564	23.187
57.	22.967	34.664	22.955	23.693
76.	21.220	34.790	21.205	24.279
97.	20.751	34.868	20.733	24.467
121.	18.064	34.856	18.043	25.152
147.	14.762	34.902	14.740	25.954
196.	12.830	34.887	12.803	26.345
246.	11.888	34.828	11.856	26.483
295.	11.061	34.767	11.024	26.590

CAST EP5-88-OC -019 LAT 02 59.7N LONG 140 01.6W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	24.500	34.603	24.500	23.194
19.	24.506	34.602	24.502	23.192
37.	24.456	34.600	24.448	23.207
57.	24.360	34.612	24.348	23.246
77.	23.734	34.671	23.718	23.477
98.	22.685	34.736	22.665	23.831
121.	21.085	34.821	21.062	24.342
146.	19.181	34.844	19.155	24.864
198.	12.075	34.705	12.049	26.351
296.	10.609	34.741	10.573	26.651
495.	7.776	34.607	7.726	27.006
990.	4.227	34.565	4.150	27.424

CAST EP5-88-OC -020 LAT 03 59.4N LONG 139 59.6W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	24.407	34.556	24.407	23.186
17.	24.411	34.556	24.407	23.186
37.	24.378	34.558	24.370	23.199
58.	24.301	34.572	24.289	23.233
76.	24.142	34.623	24.126	23.320
96.	23.684	34.672	23.664	23.494
120.	22.903	34.594	22.879	23.662
146.	21.602	34.840	21.574	24.216
195.	14.725	34.670	14.696	25.784
297.	9.881	34.687	9.847	26.734
493.	8.064	34.617	8.013	26.971
1009.	4.232	34.568	4.154	27.427

CAST EP5-88-OC -021 LAT 05 08.3N LONG 140 03.7W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	24.299	34.574	24.299	23.232
8.	24.300	34.573	24.298	23.231
18.	24.300	34.574	24.296	23.233
38.	24.275	34.578	24.267	23.244
57.	24.107	34.596	24.095	23.309
77.	24.015	34.613	23.999	23.350
96.	24.019	34.620	23.999	23.356
146.	23.155	34.817	23.125	23.760
197.	13.287	34.654	13.260	26.073
245.	11.102	34.729	11.072	26.552
296.	10.272	34.709	10.237	26.684

CAST EP5-88-OC -022 LAT 05 07.6N LONG 140 02.3W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
502.	8.155	34.621	8.103	26.961
979.	4.308	34.567	4.232	27.417
1495.	2.903	34.612	2.797	27.594
1993.	2.179	34.647	2.040	27.686
2492.	1.885	34.664	1.708	27.725
2742.	1.823	34.669	1.624	27.735
2992.	1.725	34.674	1.504	27.748
3242.	1.597	34.681	1.354	27.765
3492.	1.517	34.686	1.251	27.776
3743.	1.450	34.691	1.160	27.786
4098.	1.388	34.695	1.061	27.796

CAST EP5-88-OC -023 LAT 05 29.7N LONG 139 58.7W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	24.499	34.580	24.499	23.177
17.	24.237	34.582	24.233	23.257
37.	24.158	34.593	24.150	23.290
57.	24.138	34.598	24.126	23.301
80.	24.118	34.601	24.101	23.311
97.	24.113	34.604	24.092	23.316
120.	23.790	34.731	23.765	23.509
147.	22.862	34.964	22.832	23.956
199.	12.514	34.634	12.487	26.211
297.	10.293	34.708	10.258	26.680
501.	8.482	34.634	8.429	26.922
993.	4.331	34.566	4.253	27.414

CAST EP5-88-OC -024 LAT 05 58.9N LONG 139 59.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
17.	26.635	34.772	26.631	22.665
36.	25.837	34.791	25.829	22.931
57.	24.997	34.712	24.985	23.130
77.	24.463	34.630	24.447	23.230
97.	24.186	34.601	24.166	23.292
122.	23.801	34.771	23.776	23.536
146.	21.258	34.844	21.230	24.314
195.	12.101	34.678	12.075	26.325
296.	10.237	34.701	10.202	26.684
495.	8.283	34.625	8.231	26.945
992.	4.459	34.565	4.380	27.400

* Calculated from CTD values

CAST EP5-88-OC -025 LAT 06 30.3N LONG 139 59.9W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	26.681	34.794	26.681	22.666
18.	26.685	34.794	26.681	22.666
37.	26.669	34.821	26.661	22.693
57.	26.475	34.837	26.462	22.768
77.	25.496	34.809	25.479	23.052
97.	25.017	34.853	24.996	23.233
122.	23.158	34.846	23.133	23.780
146.	19.133	34.776	19.107	24.824
197.	12.231	34.671	12.205	26.295
296.	10.159	34.702	10.124	26.698
496.	8.304	34.628	8.252	26.944
998.	4.561	34.565	4.481	27.389

CAST EP5-88-OC -026 LAT 06 56.7N LONG 139 58.7W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
494.	8.338	34.632*	8.286*	26.942*
994.	4.631	34.560*	4.551*	27.377*
1494.	2.963	34.609*	2.856*	27.586*
1994.	2.181	34.646*	2.042*	27.685*
2491.	1.865	34.668*	1.688*	27.730*
2991.	1.690	34.677*	1.470*	27.753*
3490.	1.500	34.687*	1.235*	27.778*
3740.	1.425	34.691*	1.136*	27.788*
3992.	1.396	34.693*	1.081*	27.793*
4241.	1.393	34.695*	1.050*	27.797*
4693.	1.405	34.696*	1.010*	27.800*

CAST EP5-88-OC -027 LAT 07 01.7N LONG 140 00.5W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	26.708	34.822	26.708	22.679
10.	26.705	34.822	26.703	22.680
18.	26.689	34.822	26.685	22.686
37.	26.554	34.834	26.546	22.739
56.	26.376	34.817	26.363	22.784
79.	26.247	34.835	26.229	22.839
95.	25.995	34.841	25.974	22.923
122.	22.472	34.815	22.447	23.953
147.	15.334	34.673	15.311	25.652
197.	11.477	34.715	11.452	26.471
242.	10.447	34.692	10.418	26.640

CAST EP5-88-OC -028 LAT 07 29.7N LONG 139 59.1W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	26.488	34.819	26.488	22.746
18.	26.474	34.819	26.470	22.752
38.	26.436	34.819	26.428	22.765
58.	26.244	34.816	26.231	22.824
78.	25.869	34.819	25.852	22.945
95.	24.429	34.877	24.409	23.428
122.	16.744	34.714	16.724	25.361
147.	13.101	34.615	13.081	26.079
196.	11.155	34.709	11.131	26.526
296.	9.960	34.688	9.926	26.721
495.	8.466	34.632	8.413	26.922
997.	4.638	34.562	4.558	27.378

CAST EP5-88-OC -029 LAT 07 59.6N LONG 139 59.8W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
2.	27.249	34.591	27.249	22.332
17.	27.263	34.593	27.259	22.330
37.	27.268	34.605	27.259	22.339
55.	27.282	34.667	27.269	22.383
75.	25.658	34.885	25.641	23.060
97.	19.809	34.732	19.791	24.613
122.	14.827	34.644	14.809	25.740
149.	12.238	34.679	12.218	26.298
199.	10.889	34.717	10.865	26.580
298.	9.853	34.684	9.819	26.736
494.	8.034	34.617	7.983	26.976
993.	4.679	34.560	4.599	27.372

CAST EP5-88-OC -031 LAT 08 31.3N LONG 139 56.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
2.	27.316	34.364	27.316	22.140
18.	27.325	34.362	27.321	22.137
37.	27.345	34.396	27.337	22.157
58.	25.587	34.804	25.574	23.019
81.	20.053	34.741	20.038	24.555
96.	17.384	34.558	17.368	25.088
121.	13.529	34.615	13.512	25.991
149.	12.220	34.733	12.200	26.344
197.	11.138	34.725	11.114	26.541
298.	9.836	34.684	9.802	26.739
497.	7.898	34.597	7.847	26.980
1002.	4.559	34.562	4.479	27.387

CAST EP5-88-OC -032 LAT 08 57.2N LONG 140 07.6W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
496.	8.040	34.600	7.989	26.962
1001.	4.670	34.559	4.589	27.372
1496.	3.181	34.602	3.071	27.561
1992.	2.252	34.638	2.112	27.673
2492.	1.885	34.662	1.707	27.724
2742.	1.802	34.669	1.603	27.737
2988.	1.706	34.674	1.486	27.750
3239.	1.606	34.678	1.364	27.762
3500.	1.507	34.684	1.241	27.775
3744.	1.441	34.689	1.151	27.785
4494.	1.401	34.695	1.030	27.798

CAST EP5-88-OC -033 LAT 08 58.5N LONG 140 09.8W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
2.	27.257	34.431	27.257	22.209
6.	27.243	34.432	27.242	22.215
18.	27.222	34.431	27.218	22.222
37.	27.198	34.432	27.190	22.232
56.	23.907	34.736	23.895	23.474
77.	19.876	34.736	19.862	24.598
95.	14.123	34.490	14.109	25.771
121.	12.108	34.665	12.092	26.312
147.	11.513	34.737	11.494	26.481
197.	10.828	34.711	10.804	26.586
246.	10.214	34.692	10.185	26.680
296.	9.727	34.676	9.693	26.751

CAST EP5-88-OC -034 LAT 07 03.0N LONG 147 29.8W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	27.112	34.758	27.112	22.502
7.	27.094	34.756	27.092	22.507
18.	27.052	34.758	27.048	22.522
36.	26.993	34.783	26.985	22.561
56.	26.966	34.791	26.953	22.577
78.	26.628	34.854	26.610	22.734
99.	25.500	34.928	25.478	23.142
120.	21.157	34.754	21.134	24.272
150.	15.711	34.674	15.688	25.569
200.	11.376	34.668	11.351	26.453
247.	10.512	34.687	10.482	26.624
299.	9.932	34.680	9.897	26.720

CAST EP5-88-OC -035 LAT 07 01.2N LONG 147 28.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
494.	8.597	34.635	8.544	26.905
987.	4.793	34.556	4.712	27.356
1491.	3.064	34.606	2.956	27.575
1993.	2.238	34.641	2.098	27.676
2491.	1.897	34.663	1.719	27.723
2991.	1.715	34.674	1.494	27.749
3493.	1.526	34.686	1.260	27.775
3742.	1.478	34.689	1.187	27.783
3992.	1.409	34.692	1.093	27.792
4492.	1.387	34.696	1.016	27.800
4693.	1.407	34.696	1.012	27.800

CAST EP5-88-OC -036 LAT 06 59.5N LONG 144 59.3W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	27.434	34.171	27.434	21.957
18.	27.447	34.172	27.443	21.955
37.	27.014	34.487	27.005	22.332
57.	25.364	34.867	25.352	23.135
77.	22.973	34.872	22.957	23.850
96.	20.720	34.856	20.702	24.466
121.	16.047	34.569	16.028	25.411
148.	12.911	34.582	12.891	26.091
198.	10.969	34.706	10.945	26.557
296.	9.705	34.678	9.671	26.756
496.	8.157	34.612	8.106	26.954
1014.	4.442	34.565	4.362	27.402

CAST EP5-88-OC -037 LAT 06 59.9N LONG 142 28.8W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	26.847	34.718	26.847	22.556
19.	26.847	34.736	26.843	22.571
36.	25.456	34.719	25.448	22.994
57.	24.105	34.808	24.093	23.470
77.	23.351	34.820	23.335	23.702
95.	22.524	34.863	22.505	23.973
122.	21.961	34.886	21.937	24.150
147.	15.225	34.550	15.203	25.581
196.	11.323	34.659	11.298	26.456
295.	9.979	34.686	9.945	26.717
496.	8.234	34.620	8.182	26.948
996.	4.650	34.560	4.570	27.375

CAST EP5-88-OC -041 LAT 06 58.9N LONG 137 30.5W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	27.062	34.513	27.062	22.333
18.	27.066	34.513	27.062	22.333
37.	27.036	34.643	27.028	22.442
57.	27.049	34.666	27.036	22.457
77.	26.954	34.712	26.936	22.523
97.	23.383	34.807	23.363	23.684
122.	19.164	34.644	19.142	24.714
147.	13.715	34.602	13.694	25.944
196.	11.429	34.682	11.404	26.454
297.	10.196	34.703	10.161	26.693
494.	8.689	34.639	8.636	26.893
1000.	4.709	34.557	4.628	27.366

CAST EP5-88-OC -042 LAT 07 00.5N LONG 134 58.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	24.778	34.639	24.778	23.137
17.	24.381	34.647	24.377	23.264
39.	24.111	34.650	24.103	23.348
57.	24.037	34.642	24.025	23.365
79.	24.028	34.640	24.011	23.367
96.	24.026	34.637	24.006	23.367
121.	22.128	34.705	22.104	23.966
143.	21.653	34.747	21.625	24.131
194.	14.224	34.663	14.196	25.886
294.	11.135	34.741	11.098	26.556
497.	9.043	34.656	8.988	26.851
998.	4.714	34.556	4.633	27.365

CAST EP5-88-OC -043 LAT 07 01.7N LONG 132 30.5W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	26.755	34.536	26.755	22.448
8.	26.757	34.536	26.755	22.448
17.	26.704	34.540	26.700	22.469
36.	26.646	34.588	26.638	22.525
57.	26.089	34.660	26.076	22.755
78.	24.276	34.810	24.259	23.422
98.	22.937	34.830	22.917	23.830
121.	20.556	34.744	20.533	24.426
147.	15.558	34.689	15.535	25.614
197.	11.913	34.744	11.888	26.412
249.	10.899	34.727	10.868	26.587
299.	10.460	34.717	10.424	26.658

CAST EP5-88-OC -044 LAT 06 59.9N LONG 132 29.7W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
498.	8.526	34.628	8.473	26.910
992.	4.639	34.560	4.559	27.376
1494.	3.055	34.607	2.947	27.576
1988.	2.211	34.642	2.072	27.679
2492.	1.865	34.666	1.688	27.728
2994.	1.700	34.676	1.479	27.752
3498.	1.522	34.685	1.255	27.775
3740.	1.450	34.689	1.160	27.785
3989.	1.382	34.691	1.068	27.793
4190.	1.386	34.695*	1.049*	27.797*
4301.	1.392	34.695	1.043	27.797

CAST EP5-88-OC -045 LAT 07 59.7N LONG 132 10.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	26.420	34.394	26.420	22.447
17.	26.554	34.475	26.550	22.467
37.	26.577	34.549	26.569	22.517
56.	26.297	34.672	26.284	22.699
77.	22.510	34.728	22.495	23.873
97.	19.208	34.638	19.191	24.697
122.	14.379	34.601	14.361	25.803
147.	12.756	34.756	12.736	26.257
195.	11.647	34.755	11.622	26.471
295.	10.322	34.708	10.287	26.675
491.	8.075	34.589	8.024	26.948
995.	4.481	34.562	4.402	27.395

CAST EP5-88-OC -046 LAT 09 00.1N LONG 132 07.9W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	26.906	34.072	26.906	22.051
18.	26.942	34.123	26.938	22.079
37.	26.960	34.261	26.952	22.179
56.	21.107	34.688	21.096	24.232
77.	15.375	34.532	15.363	25.532
97.	13.238	34.637	13.225	26.067
122.	12.422	34.737	12.406	26.307
146.	11.840	34.735	11.821	26.418
196.	11.137	34.739	11.113	26.552
298.	10.158	34.700	10.123	26.697
497.	7.952	34.580	7.901	26.959
1001.	4.438	34.557	4.359	27.396

* Calculated from CTD values

CAST EP5-88-OC -047 LAT 09 59.6N LONG 132 02.2W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	26.050	33.651	26.050	22.002
16.	25.979	33.691	25.975	22.056
39.	21.111	34.512	21.104	24.096
58.	18.501	34.732	18.491	24.946
76.	14.179	34.446	14.168	25.724
97.	13.048	34.657	13.035	26.121
121.	12.114	34.712	12.098	26.347
147.	11.667	34.719	11.648	26.438
196.	10.891	34.717	10.867	26.580
296.	10.026	34.694	9.992	26.715
495.	8.060	34.578	8.009	26.941
993.	4.349	34.558	4.271	27.406

CAST EP5-88-OC -048 LAT 11 00.3N LONG 131 51.4W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
0.	25.862	33.567	25.862	21.997
17.	25.871	33.568	25.867	21.996
37.	20.236	34.476	20.229	24.303
57.	16.353	34.386	16.344	25.197
77.	13.936	34.347	13.925	25.699
93.	13.371	34.656	13.358	26.055
121.	12.508	34.755	12.492	26.304
147.	11.811	34.722	11.792	26.413
197.	11.011	34.722	10.987	26.562
295.	9.839	34.664	9.805	26.723
495.	7.423	34.537	7.374	27.002
1001.	4.253	34.553	4.175	27.412

CAST EP5-88-OC -049 LAT 12 00.0N LONG 131 39.9W

PRES (DB)	TEMP (C)	SAL (PSU)	POT TEMP	SIG-TH
1.	24.752	33.606	24.752	22.365
17.	24.751	33.607	24.747	22.367
36.	24.513	33.686	24.505	22.499
57.	18.703	34.443	18.693	24.674
77.	14.486	34.284	14.475	25.534
97.	13.423	34.385	13.410	25.834
119.	12.118	34.518	12.102	26.196
147.	11.206	34.582	11.188	26.416
198.	10.935	34.685	10.911	26.547
295.	9.631	34.622	9.598	26.725
496.	7.115	34.525	7.068	27.035
994.	4.219	34.555	4.142	27.417

*U.S. GOVERNMENT PRINTING OFFICE:1993-774-025/89044