NOAA Data Report ERL AOML-9

CTD/O_2 DATA COLLECTED IN 1985 AND 1986 FOR EPOCS

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Table of Contents

Abstract 1

Introduction 1

Data Acquisition and Processing 1

Data Presentation 2

Acknowledgements 2

References 3

Data 4

EP4-85-RS/EP5-85-RS 4
EP1-86-OC 105
EP5-86-OC 230

CTD/O_2 DATA COLLECTED IN 1985 AND 1986 FOR EPOCS

Abstract. A summary of CTD measurements collected during four cruises in 1985 and 1986, as part of the Equatorial Pacific Ocean Climate Studies (EPOCS), is presented. These cruises continued the EPOCS program efforts along 110°W and 85°W, and extended the research area southeast along 15°S. Station locations and profiles of temperature, salinity and sigma-T are plotted for each cast. Dissolved oxygen bottle values, theta-s diagrams, and temperature and salinity sections are shown.

Introduction

EPOCS is a NOAA-sponsored program initiated in 1979 to study the role of the ocean in the world's climate. One objective is to understand the dominant mechanisms involved in producing large-scale variations in sea-surface temperature in the eastern equatorial Pacific Ocean. Previous EPOCS field work concentrated zonal observations along the equator and meridional sections across the equator at 140°W, 110°W and 85°W. CTD data collected and contributed to EPOCS by the Atlantic Oceanographic and Meteorological Laboratories (AOML) and the Pacific Marine Environmental Laboratory (PMEL) from 1979 through 1985 can be found in several data reports (Mangum et al., 1987, Mangum and Hayes, 1985, Mangum and Hayes, 1983, Mangum et al.,1980, Roffer et al., 1984, and Roffer and Leetmaa, 1982). The four cruises of data presented in this report cover the meridional sections at 110°W and 85°W again, in addition to a zonal section along 15°S from 110°W into the coast of Peru. The cruises are coded, EPx-YR-yy, where x is the EPOCS sequential cruise number, YR is the year, and yy is the ship (RS for NOAA Ship **Researcher** and OC for NOAA Ship **Oceanographer**).

Data Acquisition and Processing

CTD measurements on all four cruises were collected with a Neil Brown Instrument Systems (NBIS) Mark III CTD equipped with a Beckman dissolved oxygen probe. AOML provided the **Researcher** cruises with a NBIS CTD system and PMEL provided the system for the **Oceanographer** cruises. Pressure, temperature, conductivity and dissolved oxygen are sampled at a nominal rate of 32 Hz (Brown, 1974) while the

digitized signal is being recorded on a LSI 11/23 computer system. The CTD was lowered at a rate of 30 m/min for the first 200 meters and 60 m/min thereafter. The CTD data were recorded on the downcast (and upcast on **Researcher** cruises) and water samples were collected on the upcast for calibration purposes. Water sample salinity was determined with a Guildline Autosal and the dissolved oxygen was measured by the Winkler method.

The data recorded on magnetic tape are edited and one-decibar averages are computed. Salinity is determined from conductivity, temperature and pressure. Information from pre- and post-cruise instrument calibrations (when available) and historical data are used along with the bottle sample data to determine corrections to pressure, temperature and salinity.

Data Presentation

The final calibrated data from each cruise follow. Each set of cruise data includes a figure with CTD station locations indicating whether a 1000 meter or a deeper cast was done. All cast profiles are plotted on a 1000 m scale. The deep casts are plotted on an expanded scale as well. Dissolved oxygen bottle values are presented in a table with nominal pressure (db) to the left followed by the actual pressure, dissolved oxygen pairs for each cast. Theta-s diagrams of selected casts from the major zonal and meridional sections (110°W, 85°W, 15°S) are shown. Several latitude vs. pressure (to 400 db) and longitude vs. pressure (to 400 db) sections of temperature and salinity are contoured for each cruise. The temperature and salinity contour intervals are 1°C and 0.2 PSU, respectively.

Acknowledgements

The authors gratefully acknowledge the assistance of the officers and crew of the NOAA Ships **Researcher** and **Oceanographer**. Much of the CTD and bottle sample processing was performed by the survey departments on each ship.

References

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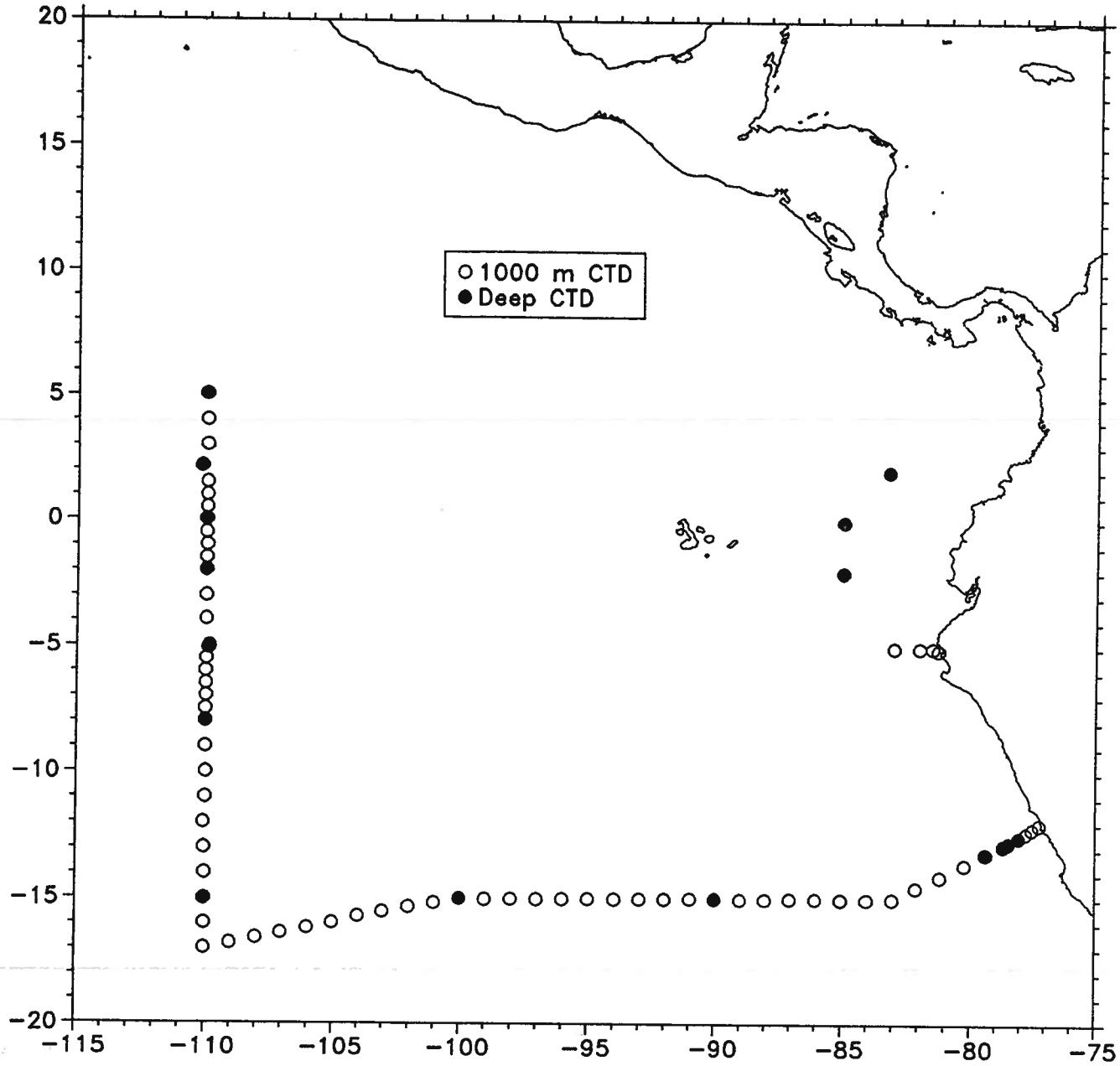
EP4-85-RS / EP5-85-RS

08 November 1985 - 06 December 1985

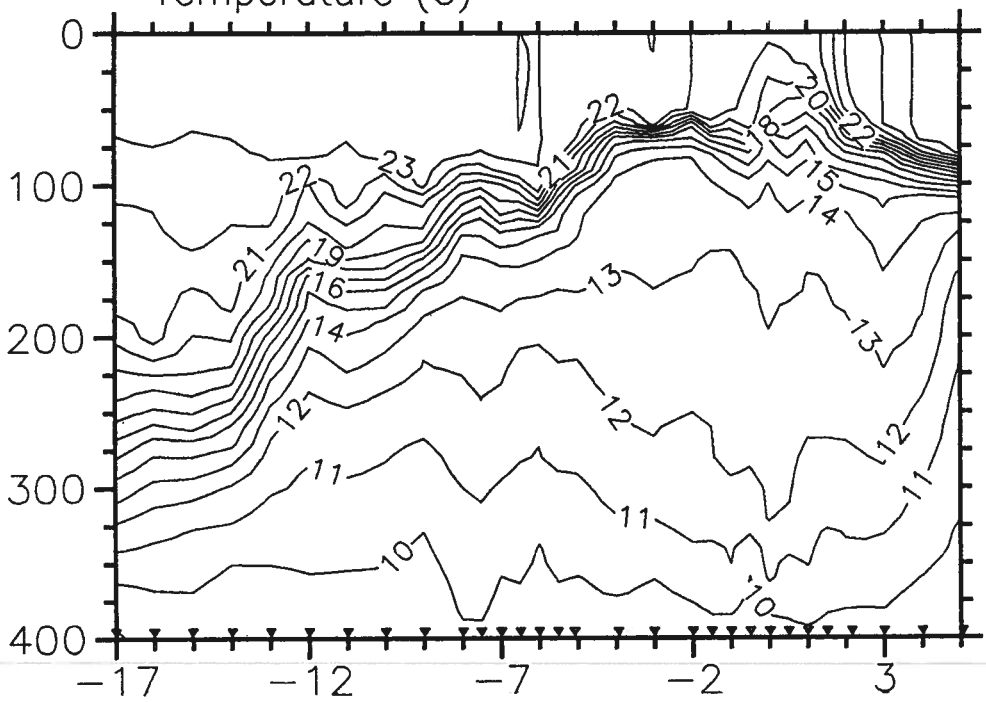
CTD STATIONS

EP4-85-RS/EP5-85-RS 08 Nov 85 - 06 Dec 85

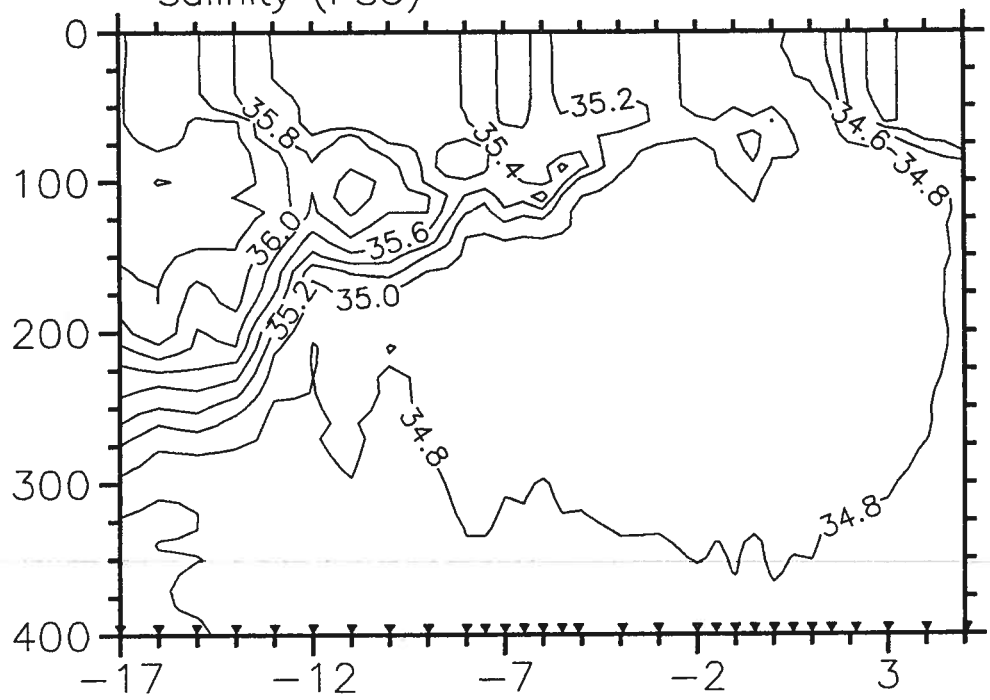


EP4–85–RS 110 West

Temperature (C)

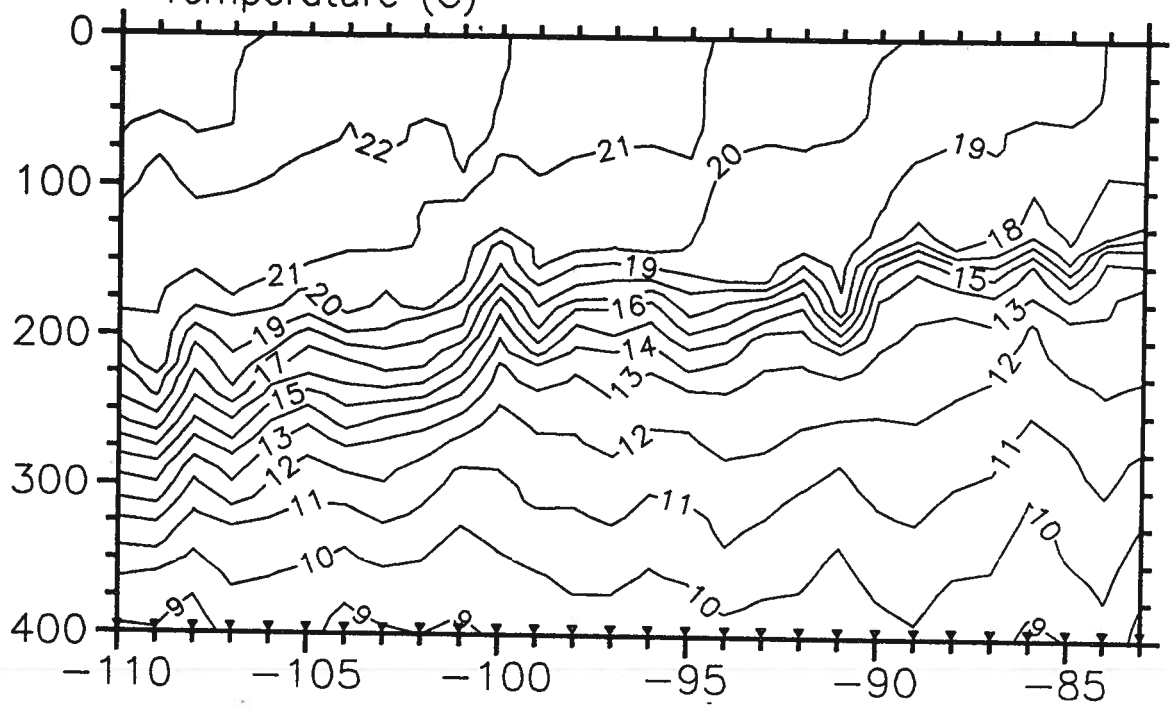


Salinity (PSU)

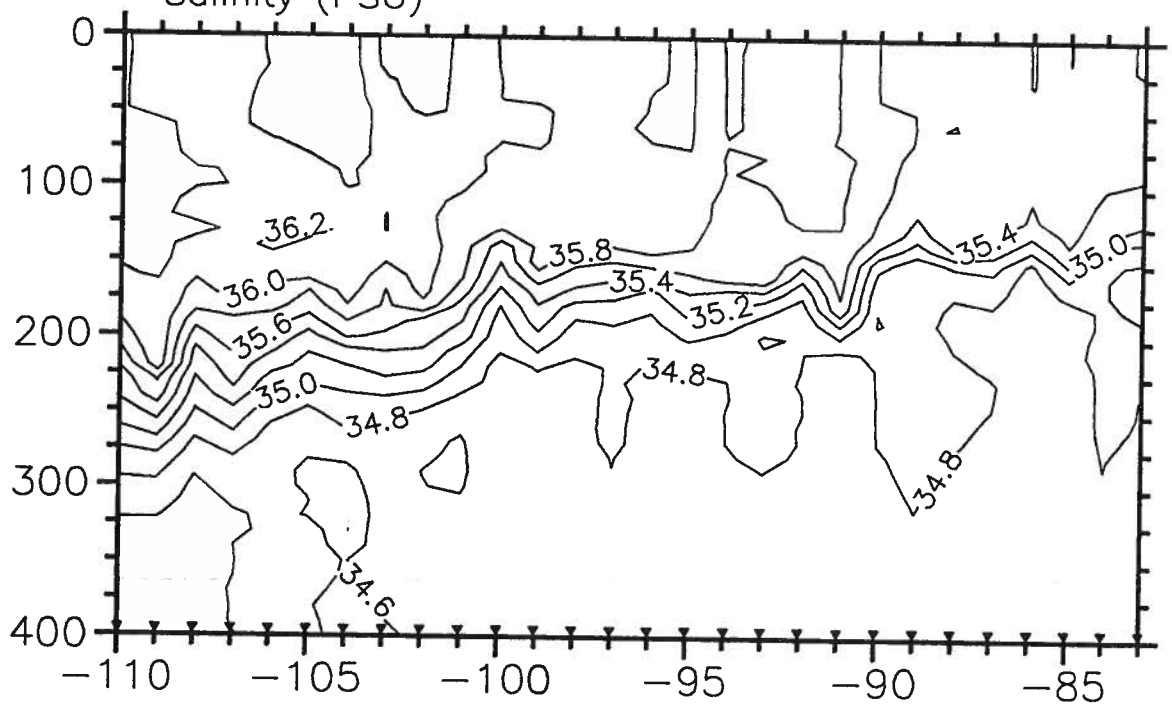


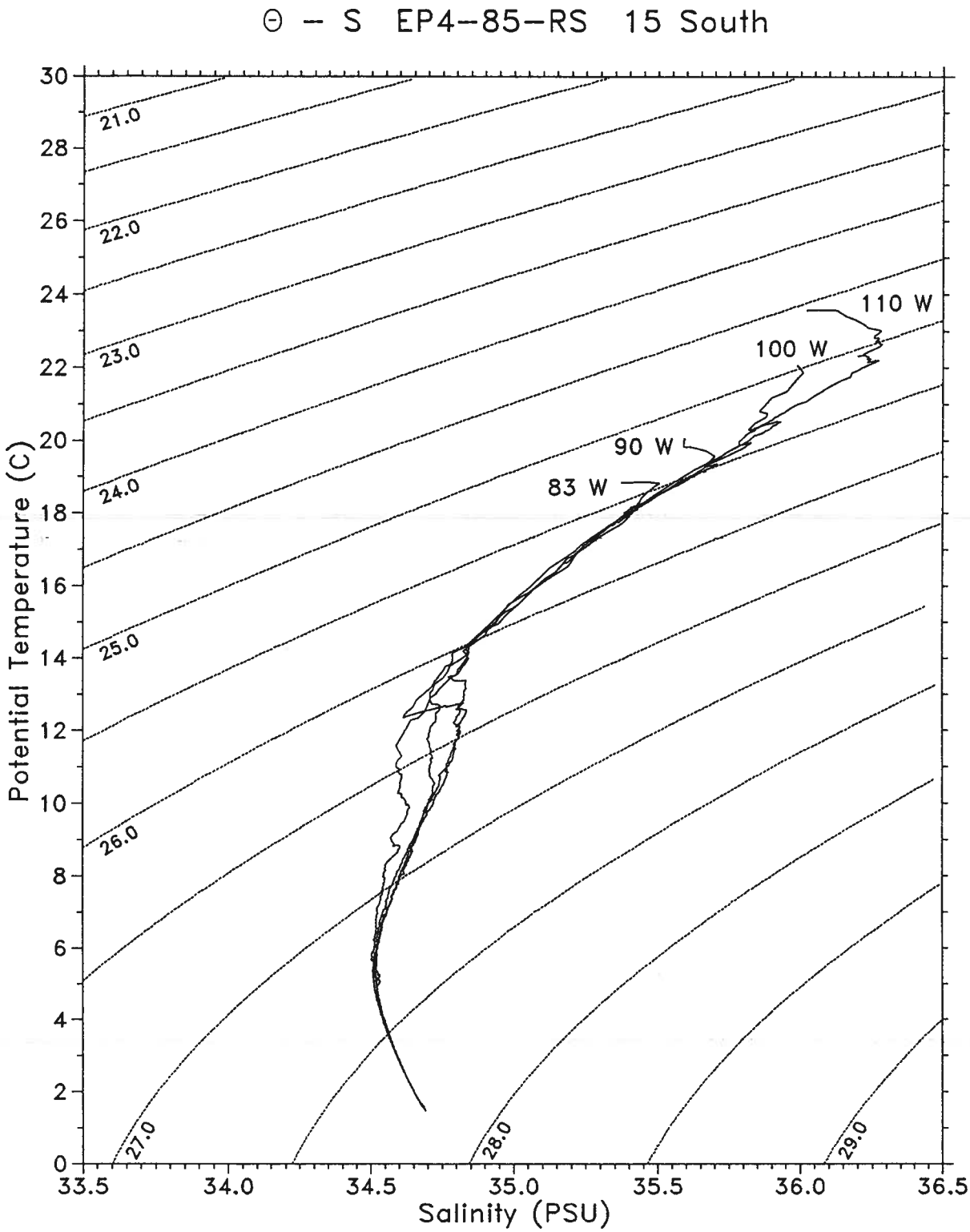
EP4–85–RS 15 South

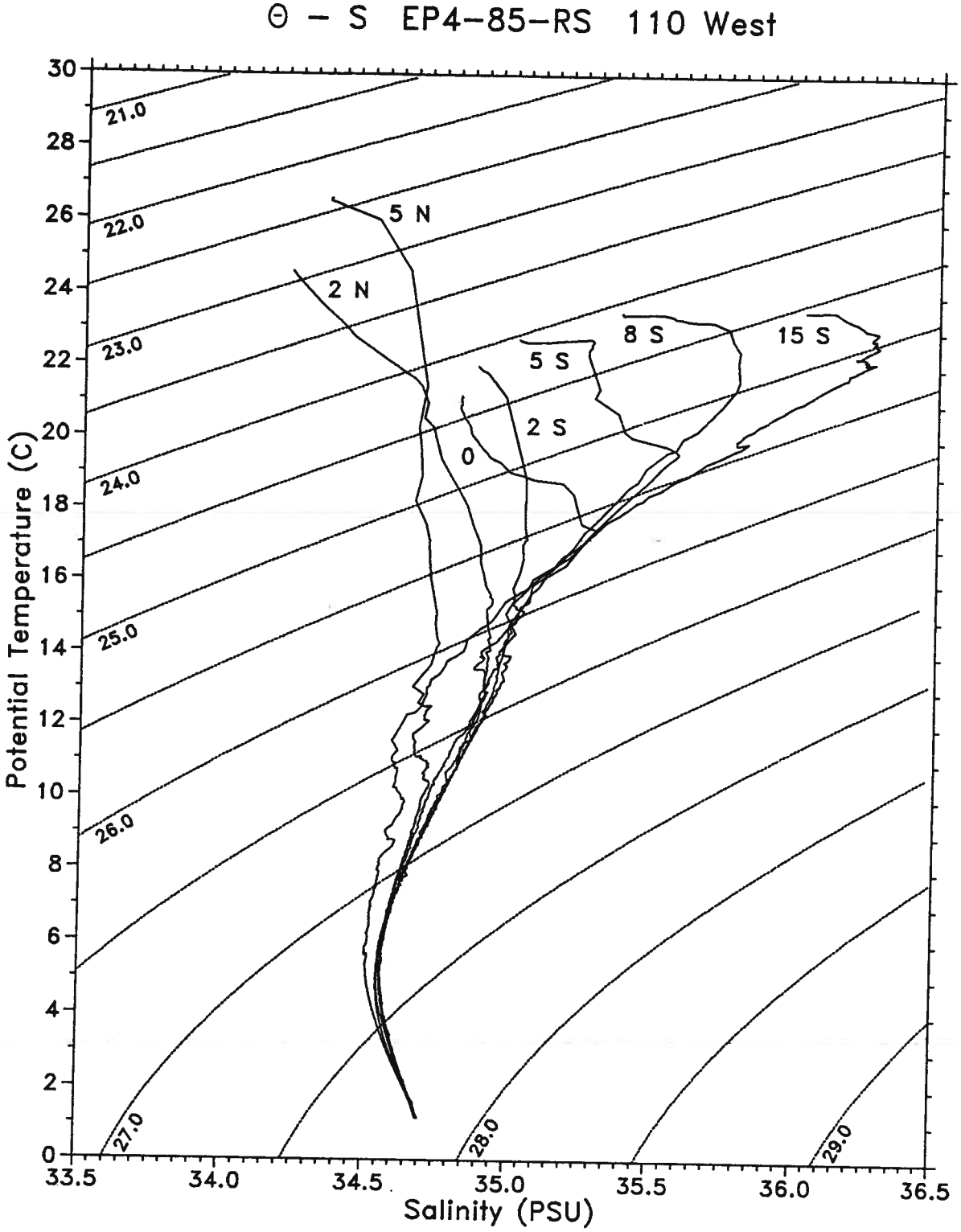
Temperature (C)



Salinity (PSU)




Θ – S EP4–85–RS 15 South
Potential Temperature (C)
Salinity (PSU)
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
110 W
100 W
90 W
83 W
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
33.5
34.0
34.5
35.0
35.5
36.0
36.5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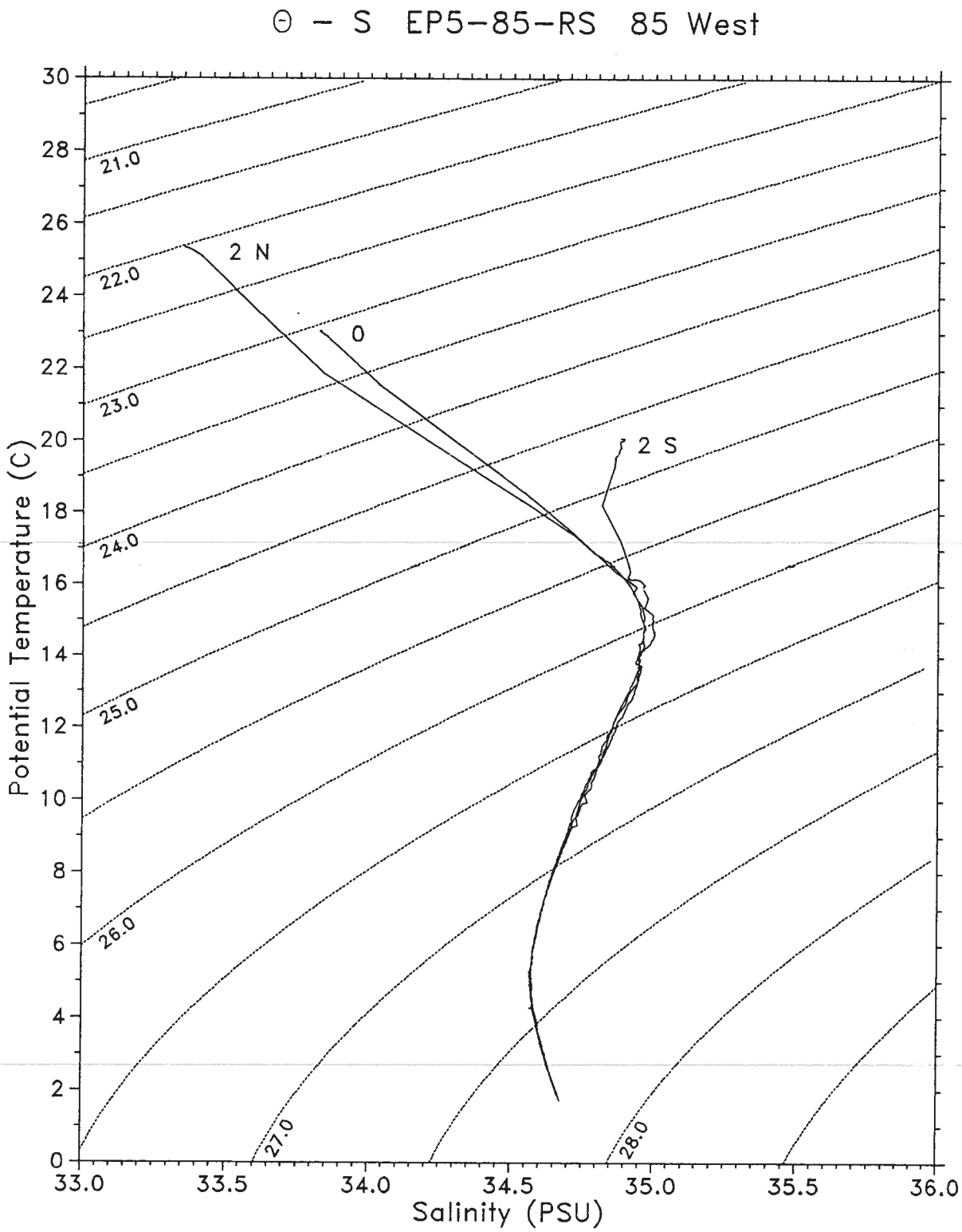
Potential Temperature (C)
Salinity (PSU)
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
5 N
2 N
0
2 S
5 S
8 S
15 S
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
33.5
34.0
34.5
35.0
35.5
36.0
36.5


Θ – S EP5–85–RS 85 West
Potential Temperature (C)
Salinity (PSU)
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
2 N
0
2 S
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
33.0
33.5
34.0
34.5
35.0
35.5
36.0

EP4-85-RS

DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

CTD #	2	3	4	6	7	8	9	11	12	13
0										
15	16 5.07		16 3.82	15 5.56			0 4.75			
20								15 4.47	16 4.54	15 4.79
30			30 5.26				21 4.54			
45										28 4.63
60			60 4.94							
75		76 3.34								60 2.24
100		100 1.91	99 2.94		101 1.38					76 1.39
150									102 2.61	101 1.21
200		200 1.11	200 1.26	200 1.12	200 1.26					
300	299 1.38	300 1.21	299 0.93				305 0.70	207 2.08	200 1.57	201 1.20
400		424 0.42						308 0.74		
500	499 0.39		500 0.98	500 0.58	501 1.01					
750		751 1.13			775 1.69		754 1.61		499 0.89	500 0.88
1000	1000 1.47	1015 1.44	1020 1.03		1019 1.91	1011 2.10	1011 1.95	985 2.00	750 1.61	752 1.63
1500	1498 1.81							1508 2.18	1013 1.99	1006 2.06
2000	1999 2.41			2001 2.29				2006 2.58		
2500	2500 2.95			2501 2.94				2516 3.04		
3000	2998 3.03			2999 3.12				3007 2.95		
3500	3499 3.21			3530 3.54				3503 3.64		
Max Depth	3753 3.73							3586 3.66		

EP4-85-RS

DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

CTD #	14	15	17	18	20	21	22	23	24	25
0	0 **4.68**									
15		15 **4.92**	16 **5.19**	17 **5.22**	15 **5.22**					
20							20 **5.27**	20 **5.14**		20 **4.26**
30			29 **5.36**	30 **5.27**						
45			46 **5.10**							
60			61 **3.26**	60 **3.29**						
75			76 **1.51**	77 **1.21**						
100			100 **1.19**	105 **0.97**		104 **1.01**	100 **4.97**	102 **3.68**	100 **3.38**	102 **2.50**
150										
200	200 **1.20**	201 **1.03**	201 **0.33**			203 **0.59**	201 **0.73**	203 **0.83**	201 **0.72**	202 **0.65**
300			300 **0.37**	300 **0.64**	301 **0.43**				300 **0.46**	
400										
500	500 **1.54**	501 **1.34**	501 **0.95**	501 **0.90**	500 **0.77**	503 **1.85**	500 **0.58**	503 **0.47**	501 **0.45**	500 **0.40**
750	750 **2.03**		749 **1.42**	753 **1.60**		751 **2.06**	749 **1.90**	748 **1.66**	749 **1.51**	749 **1.19**
1000	1013 **2.06**	1003 **2.05**	1008 **1.79**	1025 **2.31**	1004 **1.63**	1013 **2.03**	1018 **2.07**	1013 **2.14**	1010 **2.07**	1000 **1.70**
1500		1500 **2.21**			1499 **2.24**					
2000		1997 **2.59**			1999 **2.74**					
2500		2500 **2.97**			2497 **3.24**					
3000					2999 **3.30**					
3500		3498 **3.64**								
Max Depth		3726 **3.73**			3306 **4.50**					

EP4-85-RS

DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

CTD #	27	28	29	30	31	32	33	34	36	37
0										
15	15 **5.24**					16 **4.24**		15 **5.23**		16 **5.05**
20			21 **5.21**		22 **5.27**		20 **5.00**		20 **5.21**	
30		30 **5.13**		31 **5.16**		30 **4.14**				32 **5.10**
45		46 **5.21**		45 **4.97**		46 **3.91**				46 **5.04**
60			62 **5.22**	61 **5.09**	63 **5.26**	61 **3.68**	60 **5.43**		62 **5.26**	60 **5.16**
75		76 **5.07**		77 **4.99**		76 **4.13**				74 **4.05**
100		101 **4.30**	99 **4.56**	102 **4.89**	104 **4.36**	101 **4.89**	101 **5.09**		101 **5.07**	100 **4.28**
150										
200	200 **0.86**	199 **0.98**		202 **0.85**	207 **2.85**	200 **2.16**	200 **4.73**	201 **4.83**	202 **4.86**	
300		300 **1.58**	302 **0.58**	301 **0.61**	310 **0.77**	300 **0.45**	301 **4.47**		301 **3.58**	301 **3.65**
400		401 **0.87**								
500	500 **0.32**	500 **0.98**		501 **0.62**	507 **0.93**	500 **1.15**	500 **1.60**	501 **1.64**	506 **2.20**	499 **2.07**
750		749 **1.15**	747 **0.92**	749 **0.89**	760 **0.94**	749 **1.32**	747 **1.69**		758 **1.32**	749 **2.37**
1000	976 **2.37**	1005 **1.96**	1008 **2.02**	1013 **1.77**	1000 **1.75**	1008 **1.63**	1007 **1.80**	1016 **1.69**	1014 **1.92**	1006 **1.67**
1500								1497 **2.32**		
2000	2002 **2.74**									
2500	2502 **3.18**							2503 **3.00**		
3000	3000 **3.56**							2997 **3.58**		
Max Depth	3201 **3.53**							3201 **3.48**		

EP4-85-RS

DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

CTD #	38	39	40	41	42	43	44	45	46	47
0										
15			15 4.12						15 5.22	16 5.27
20	20 5.10	20 5.24		20 4.36	20 5.39		20 5.22	20 5.13		
30			30 5.19			31 5.08			30 5.21	
45			45 5.25			47 4.99			45 5.29	
60	61 5.09	60 5.31	60 5.07	60 4.66	60 5.27	61 5.08	60 5.20	61 5.18	63 5.44	
75			74 5.18			75 5.19			75 5.20	
100	100 4.94	101 5.13	101 5.14	101 4.43	100 5.07	100 5.09	100 4.17	98 4.95	102 5.14	
150										
200	201 4.94	201 4.51	201 4.61	200 4.00	201 4.52	200 5.07	200 3.87	200 4.45	201 4.19	200 2.23
300	299 3.64	301 3.29		300 2.05	300 1.79	299 2.49	300 1.18	300 1.88	303 1.59	
400										
500	500 2.30	501 2.08	500 1.33	501 1.67	500 1.16	502 1.32	499 1.37	508 1.36	502 1.07	501 0.81
750	750 1.88	750 1.78	752 1.37	750 1.64	750 1.19	751 1.16	749 1.28	752 1.26		
1000	1008 1.93	1012 1.77	1029 1.77	1012 1.75	1001 1.65	1011 1.61	1021 1.71	1010 1.42	1009 1.43	998 1.55
1500										1498 2.66
2000										2000 3.44
2500										2504 3.39
3000										3000 3.35

EP4-85-RS

DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

CTD #	48	49	50	51	52	53	54	55	56	57
0										
15	14 **5.09**				15 **5.26**		17 **5.21**		17 **5.34**	16 **5.41**
20										
30	31 **5.16**		32 **5.38**		34 **4.72**				30 **5.33**	
45	46 **5.15**		45 **5.23**		45 **4.82**		45 **5.31**		47 **5.28**	
60	60 **5.09**				60 **5.24**		64 **5.21**		61 **5.32**	
75	76 **4.75**		77 **5.04**		76 **5.06**		78 **5.04**		75 **5.17**	
100			104 **4.67**		102 **5.19**		103 **5.00**		102 **5.08**	
150			145 **2.38**		151 **4.40**				150 **5.18**	
200	201 **3.02**		201 **0.25**		198 **2.86**		201 **0.83**		200 **3.78**	
300	302 **0.49**		303 **0.64**		301 **0.67**		304 **0.18**			
400										
500	505 **0.76**		501 **1.37**		500 **0.71**		502 **0.53**		502 **0.61**	499 **0.60**
750	759 **1.03**									
1000	1014 **1.48**	1010 **1.33**	1008 **1.95**	1009 **1.47**	1005 **1.54**	1010 **1.61**	1014 **1.47**	1011 **1.47**	1018 **1.54**	999 **1.39**
1500										1500 **1.93**
2000										2016 **2.70**
2500										2514 **3.16**
3000										3019 **3.49**
3500										3519 **3.49**
Max Depth										4102 **3.49**

EP4-85-RS

DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

CTD #	58	60	61	62	63	64	65	66	67	71
0										
15		15 5.30		16 5.30		14 5.47		16 5.23	15 5.37	
20	19 5.36									
30	29 5.33	31 4.96		30 5.33		31 5.43		31 5.05	31 5.38	
45	47 5.30	47 5.28		45 5.30		44 5.33		46 4.73	45 5.26	
60	62 5.32	61 5.31		60 5.30		60 5.27		62 5.05	59 5.08	
75	77 5.13	75 4.49		76 5.18		74 5.14		74 4.78	75 4.84	
100	103 4.99	101 5.07		101 5.04		101 4.82		102 3.45	100 1.97	
150	152 2.46	151 3.97		150 4.57		152 2.09		150 0.43		
200	204 0.23	200 0.55		200 0.87		200 0.50		200 0.20	201 0.24	
300	303 0.12	300 0.13		300 0.20		301 0.17		303 0.16		
400										
500	502 0.27	499 0.55		500 3.03		498 0.67		500 0.51	501 0.42	
750										
1000	1010 1.23	1012 1.45	1008 1.57	1015 1.44	1014 1.31	1007 1.35	996 1.44	1016 1.43	1005 1.19	1001 1.18
1500										
2000										2000 2.20
2500										2498 3.14~
3000										2998 3.09
3500										3497 3.14
4000										3999 3.13
4500										4497 3.57
Max Depth										

EP4-85-RS

DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

CTD #	72		73		74		75		76	
0							6	5.70	5	2.65
15			15	5.21	16	3.73	11	5.93	11	1.99
20							20	1.93	21	0.76
30			31	3.68	31	1.29	30	1.20	31	0.43
45			45	1.05	45	0.26	48	0.47	40	0.24
60			60	0.34	63	0.43	61	0.53		
75			75	0.38	74	0.39	75	0.80		
100			100	0.45	102	0.59	101	0.31		
150			151	0.52	152	0.51	142	0.36		
200			201	0.51	200	0.72				
300			298	0.66	299	0.54				
400										
500					501	0.42				
750										
1000					1010	1.25				
1500			1508	2.04						
2000	1998	2.08								
2500	2497	2.49								
3000	2999	3.23								
3500	3500	3.03								
4000	3994	3.40								
4500	4500	3.51								
Max Depth	5513	4.23	2398	3.35						

EP5-85-RS

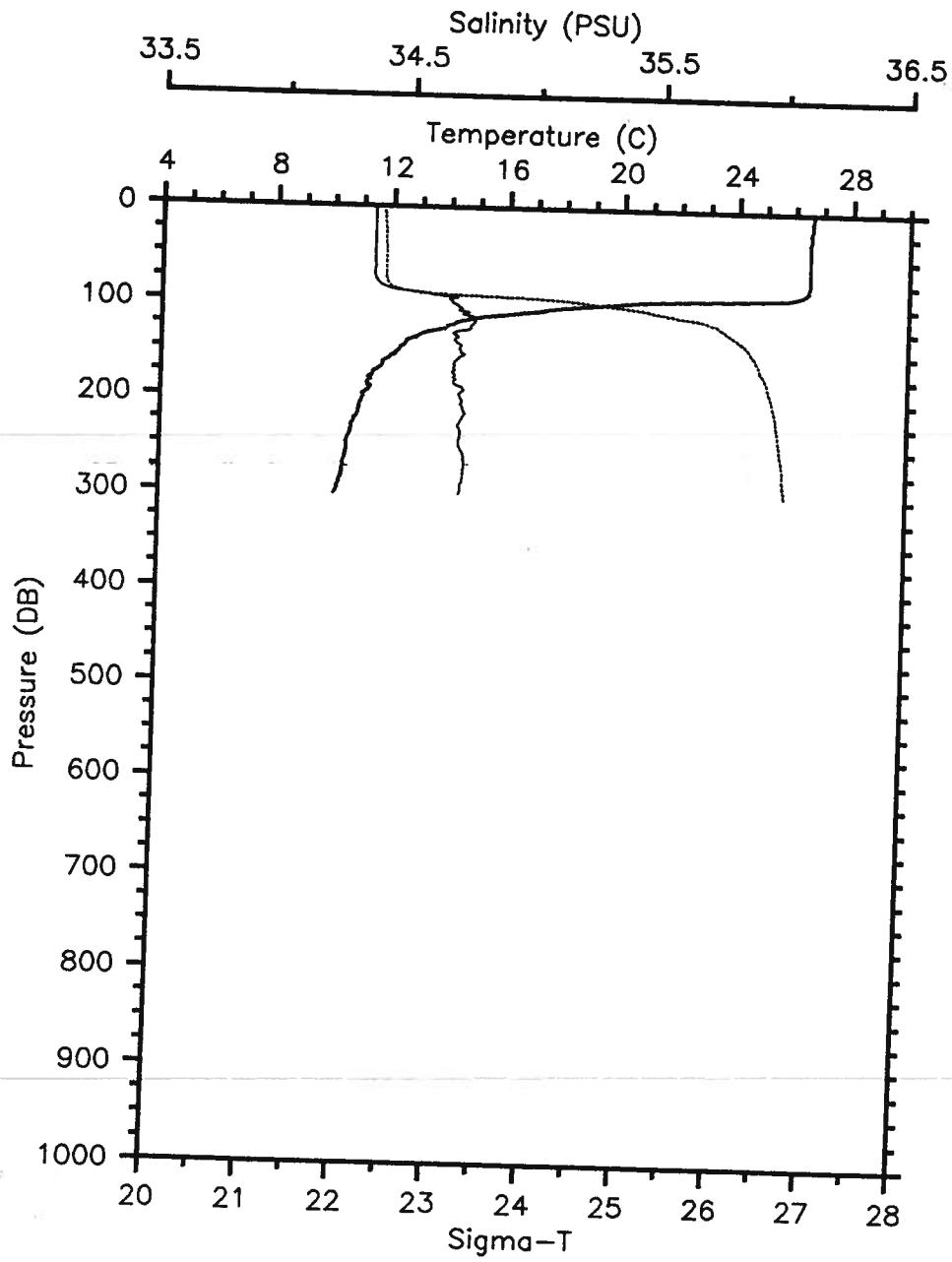
DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

CTD #	1		2		3		4		6	
15	10	2.70	15	1.82	15	1.11	15	3.92	15	4.92
30	20	2.21	30	1.12	30	0.52	30	1.11	30	2.92
45	40	1.31	45	1.38	45	1.28	45	0.82	45	1.68
60	60	1.15	60	1.38	60	1.52	60	1.20	60	1.58
75	80	1.07	75	1.57	75	1.53	75	1.18	75	1.55
100	100	0.85	100	0.97	100	1.47	100	1.08	100	1.68
200			200	0.58	200	1.00	200	0.72	200	1.72
300			300	0.29	300	0.61	300	0.22	300	1.11
1000			1000	1.41	1000	1.41	1000	1.30	1000	1.69
									3100	2.64

EPOCS EP4-85-RS CTD 1 RESEARCHER

Date 11 08 85 Latitude 5.059 N

Time 2137 Z Longitude 110.024 W

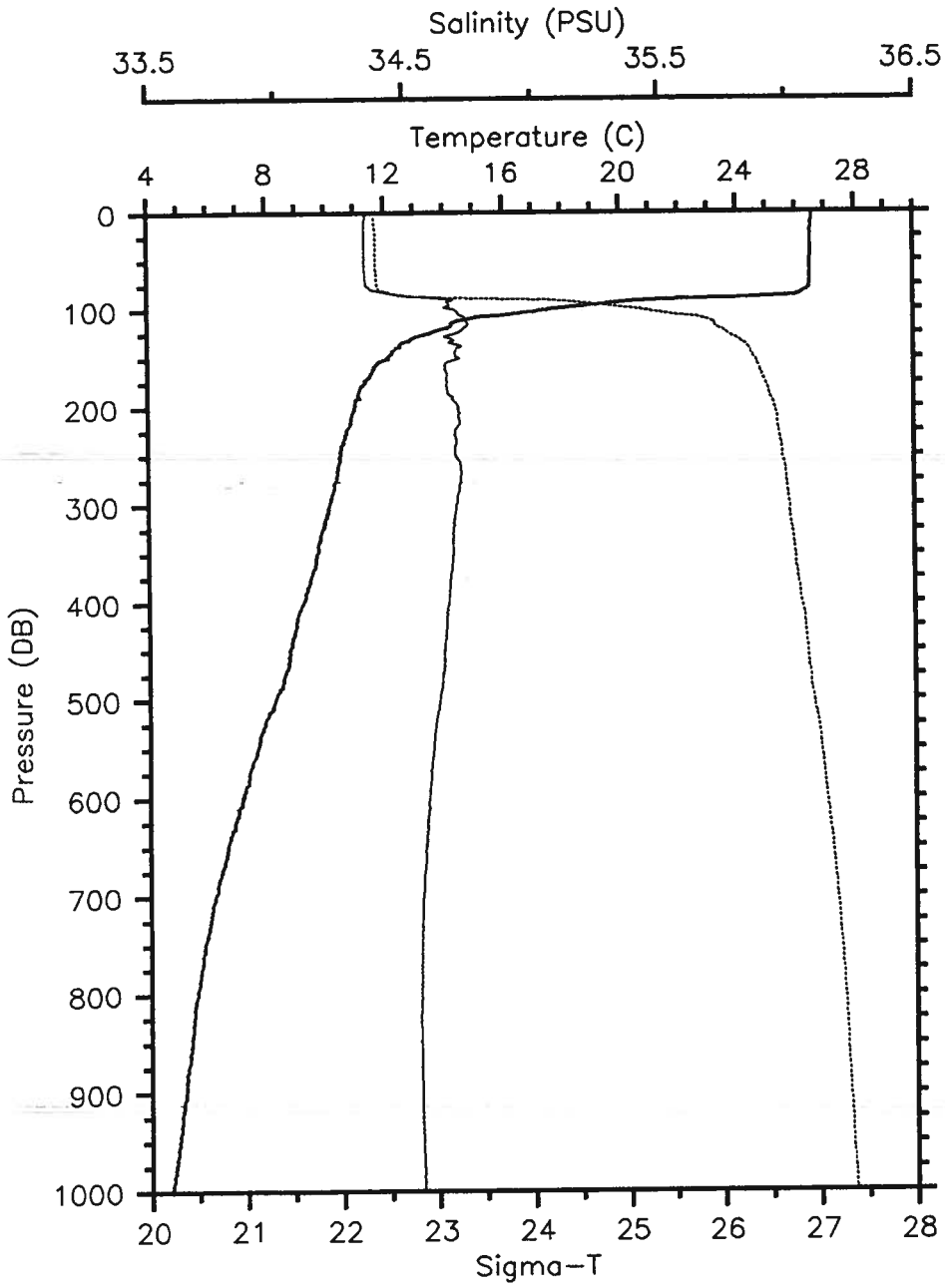


Prs	Tem	Sal	SigT
0	26.59	34.349	22.36
10	26.58	34.351	22.37
20	26.54	34.350	22.38
30	26.52	34.350	22.38
40	26.51	34.350	22.38
50	26.51	34.351	22.38
60	26.51	34.352	22.39
70	26.51	34.351	22.39
80	26.48	34.366	22.41
90	25.74	34.558	22.78
100	19.33	34.661	24.68
110	16.44	34.728	25.44
120	14.26	34.750	25.94
130	13.32	34.683	26.08
140	12.55	34.675	26.23
150	12.24	34.700	26.31
160	11.84	34.683	26.37
170	11.51	34.674	26.43
180	11.27	34.681	26.48
190	11.25	34.710	26.50
200	11.03	34.702	26.54
210	10.93	34.711	26.56
220	10.83	34.711	26.58
230	10.66	34.694	26.60
240	10.59	34.702	26.62
250	10.51	34.698	26.63
260	10.47	34.717	26.65
270	10.39	34.720	26.67
280	10.36	34.719	26.67
290	10.25	34.709	26.68
300	10.13	34.704	26.70

EPOCS EP4-85-RS CTD 2 RESEARCHER

Date 11 08 85 Latitude 5.060 N

Time 2237 Z Longitude 109.994 W

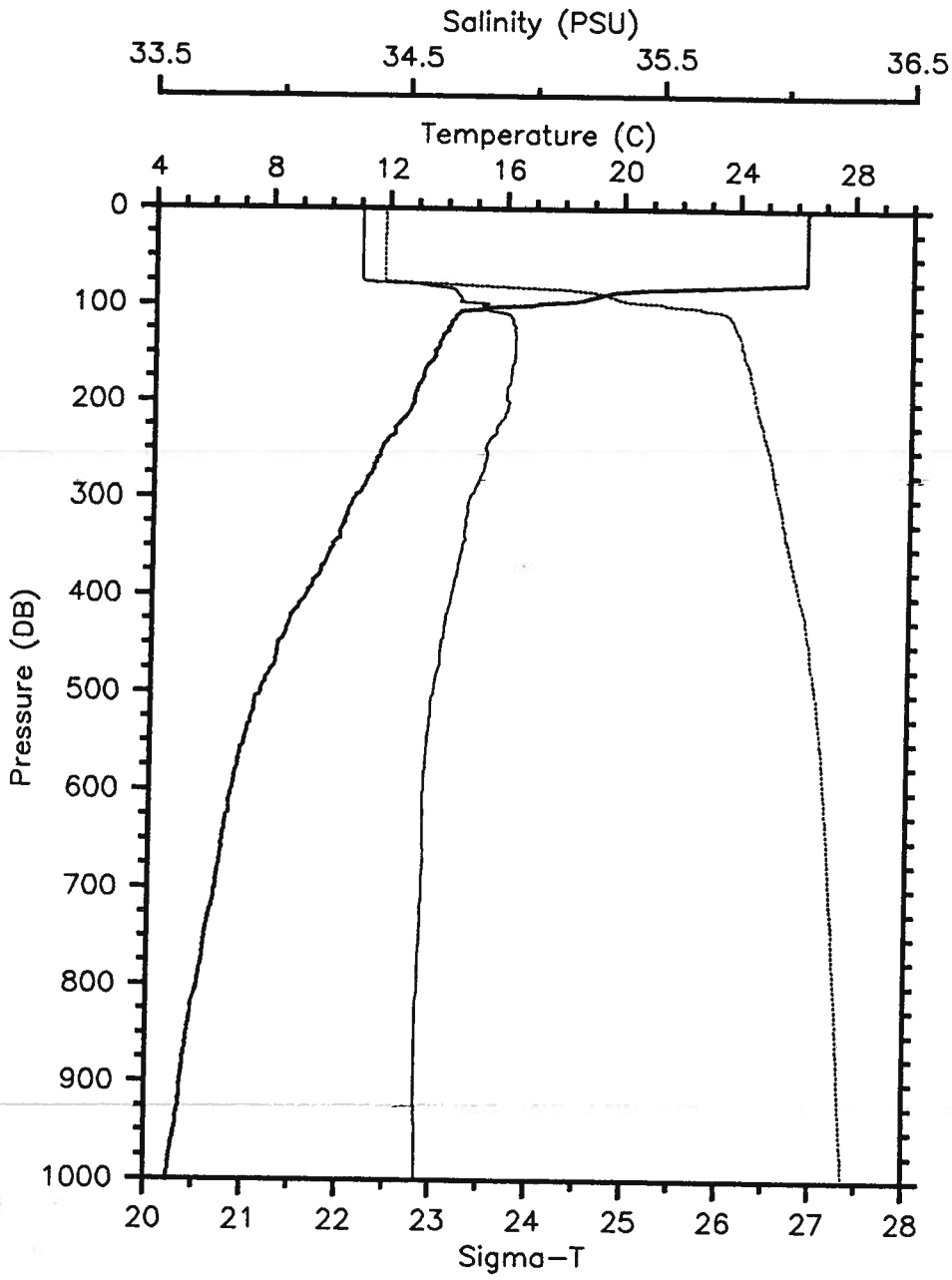


Prs	Tem	Sal	SigT
0	26.58	34.352	22.37
10	26.56	34.351	22.37
20	26.54	34.350	22.38
30	26.52	34.350	22.38
40	26.52	34.350	22.38
50	26.52	34.350	22.38
60	26.52	34.352	22.38
70	26.51	34.354	22.39
80	26.45	34.377	22.42
90	21.46	34.696	24.14
100	17.63	34.697	25.13
110	14.85	34.735	25.80
120	13.93	34.731	25.99
130	12.95	34.685	26.16
140	12.42	34.708	26.28
150	12.15	34.717	26.34
160	11.66	34.662	26.39
170	11.47	34.666	26.43
180	11.21	34.670	26.48
190	11.16	34.692	26.51
200	11.02	34.712	26.55
210	10.90	34.713	26.57
220	10.82	34.710	26.58
230	10.68	34.703	26.60
240	10.55	34.701	26.62
250	10.51	34.702	26.63
260	10.45	34.720	26.66
270	10.40	34.721	26.67
280	10.30	34.716	26.68
290	10.21	34.709	26.69
300	10.13	34.704	26.70
350	9.69	34.690	26.76
400	9.23	34.670	26.82
450	8.76	34.653	26.88
500	8.26	34.633	26.95
550	7.65	34.608	27.02
600	7.13	34.590	27.08
650	6.62	34.578	27.14
700	6.20	34.565	27.18
750	5.83	34.558	27.23
800	5.56	34.556	27.26
850	5.37	34.555	27.28
900	5.17	34.557	27.30
950	4.94	34.561	27.33
1000	4.69	34.566	27.37

EPOCS EP4-85-RS CTD 3 RESEARCHER

Date 11 09 85 Latitude 4.010 N

Time 0553 Z Longitude 109.992 W

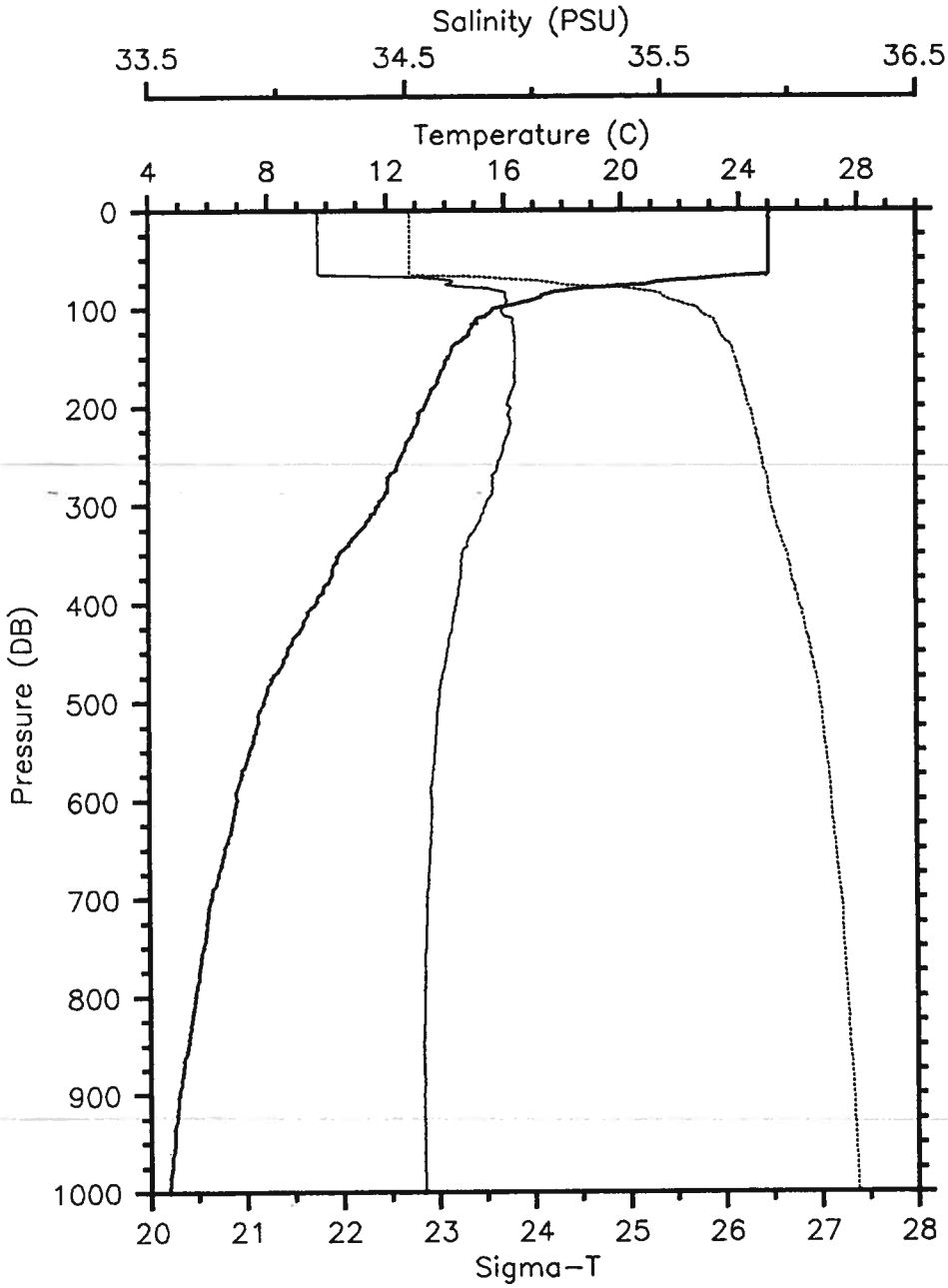


Prs	Tem	Sal	SigT
0	26.38	34.311	22.40
10	26.33	34.312	22.41
20	26.33	34.311	22.41
30	26.33	34.311	22.41
40	26.34	34.312	22.41
50	26.34	34.312	22.41
60	26.34	34.312	22.41
70	26.34	34.312	22.41
80	23.67	34.587	23.43
90	19.13	34.701	24.76
100	16.87	34.789	25.38
110	14.32	34.901	26.04
120	14.11	34.917	26.10
130	13.87	34.921	26.15
140	13.73	34.921	26.18
150	13.61	34.921	26.21
160	13.40	34.917	26.25
170	13.22	34.908	26.28
180	13.10	34.902	26.30
190	12.93	34.891	26.32
200	12.88	34.900	26.34
210	12.72	34.891	26.36
220	12.47	34.869	26.40
230	12.26	34.852	26.42
240	11.99	34.824	26.45
250	11.78	34.812	26.49
260	11.60	34.812	26.52
270	11.49	34.804	26.53
280	11.29	34.786	26.56
290	11.12	34.768	26.57
300	10.87	34.748	26.60
350	10.15	34.723	26.71
400	9.25	34.683	26.83
450	8.33	34.645	26.95
500	7.74	34.618	27.01
550	7.19	34.596	27.07
600	6.79	34.584	27.12
650	6.49	34.584	27.16
700	6.27	34.581	27.19
750	5.94	34.576	27.22
800	5.71	34.572	27.25
850	5.38	34.562	27.28
900	5.19	34.563	27.31
950	5.01	34.568	27.33
1000	4.76	34.569	27.36

EPOCS EP4-85-RS CTD 4 RESEARCHER

Date 11 09 85 Latitude 3.000 N

Time 1105 Z Longitude 109.998 W

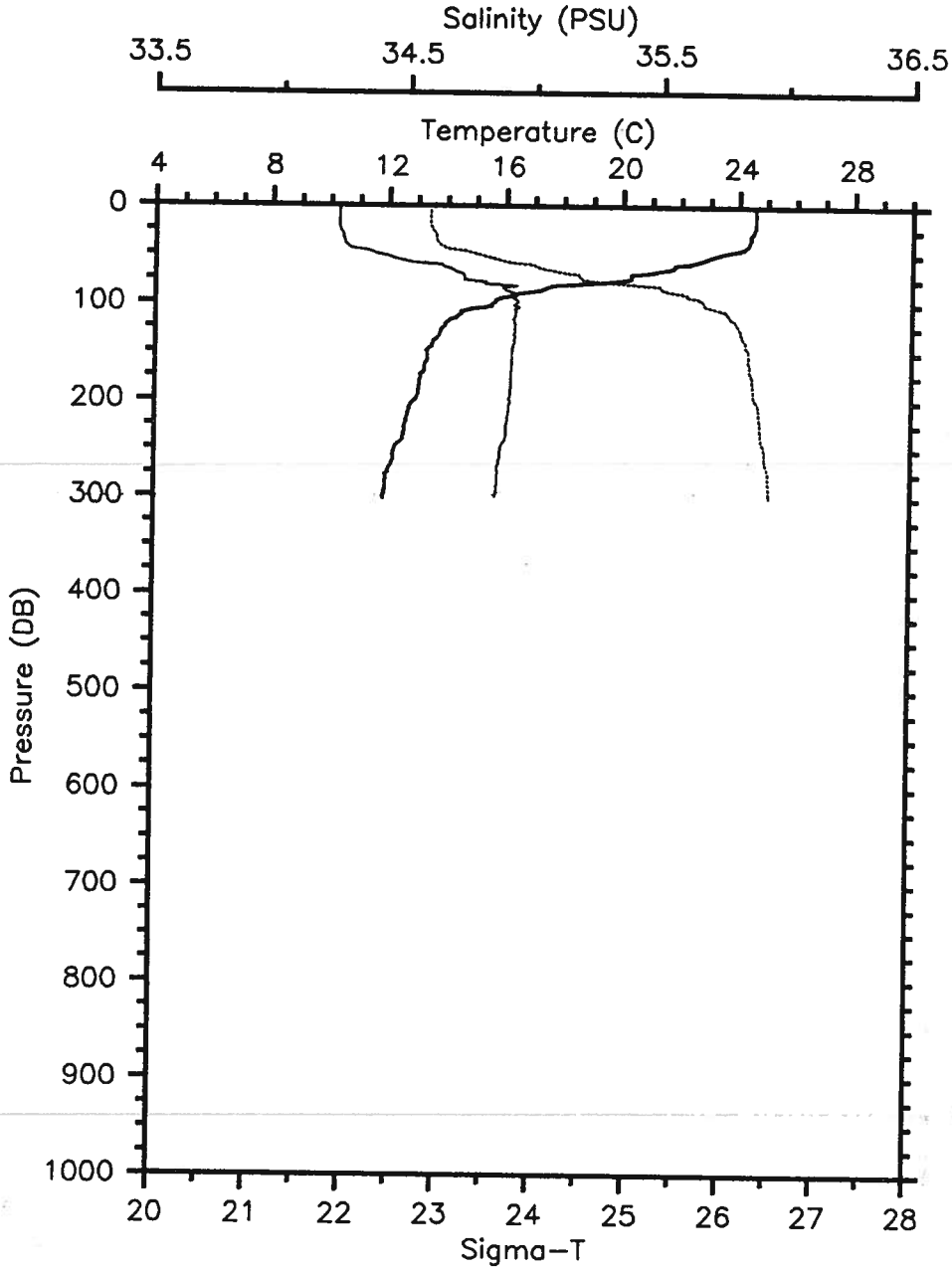


Prs	Tem	Sal	SigT
0	25.06	34.156	22.69
10	25.00	34.157	22.71
20	25.01	34.157	22.70
30	25.01	34.158	22.70
40	25.01	34.158	22.70
50	25.01	34.158	22.70
60	25.01	34.158	22.70
70	22.81	34.623	23.70
80	18.58	34.825	25.00
90	17.13	34.893	25.40
100	15.68	34.880	25.73
110	15.14	34.918	25.88
120	14.89	34.924	25.94
130	14.68	34.930	25.99
140	14.26	34.926	26.08
150	14.11	34.929	26.11
160	13.96	34.929	26.14
170	13.78	34.926	26.18
180	13.65	34.922	26.20
190	13.46	34.906	26.23
200	13.31	34.908	26.26
210	13.09	34.901	26.30
220	13.01	34.908	26.32
230	12.87	34.898	26.34
240	12.66	34.883	26.37
250	12.53	34.875	26.39
260	12.38	34.860	26.41
270	12.13	34.841	26.44
280	12.05	34.841	26.46
290	11.96	34.838	26.47
300	11.76	34.814	26.49
350	10.44	34.720	26.66
400	9.65	34.699	26.78
450	8.67	34.660	26.90
500	7.88	34.628	27.00
550	7.38	34.613	27.06
600	6.96	34.600	27.11
650	6.55	34.592	27.16
700	6.07	34.580	27.21
750	5.82	34.575	27.24
800	5.53	34.569	27.27
850	5.27	34.564	27.30
900	4.97	34.564	27.33
950	4.80	34.567	27.36
1000	4.62	34.568	27.38

EPOCS EP4-85-RS CTD 5 RESEARCHER

Date 11 09 85 Latitude 2.150 N

Time 2328 Z Longitude 110.220 W

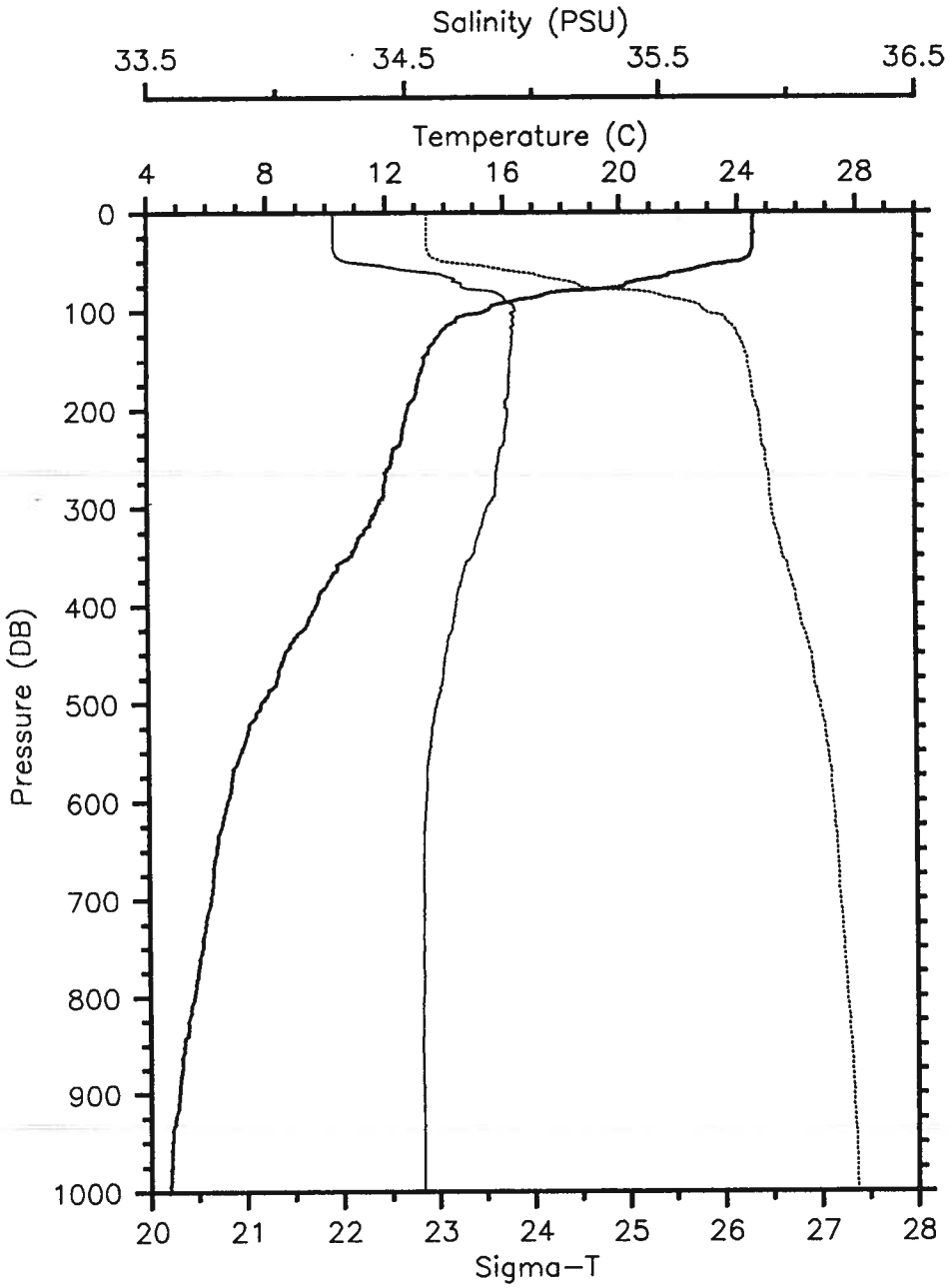


Prs	Tem	Sal	SigT
0	24.56	34.225	22.89
10	24.56	34.223	22.89
20	24.54	34.223	22.89
30	24.40	34.238	22.95
40	24.29	34.250	22.99
50	23.21	34.383	23.41
60	21.81	34.629	23.99
70	20.33	34.716	24.46
80	18.51	34.801	24.99
90	16.40	34.933	25.60
100	15.57	34.930	25.79
110	14.48	34.925	26.03
120	13.97	34.922	26.13
130	13.76	34.921	26.18
140	13.53	34.922	26.23
150	13.32	34.912	26.26
160	13.30	34.911	26.26
170	13.21	34.908	26.28
180	13.08	34.908	26.31
190	13.04	34.907	26.31
200	12.88	34.905	26.34
210	12.70	34.900	26.38
220	12.63	34.895	26.39
230	12.57	34.891	26.39
240	12.51	34.888	26.40
250	12.25	34.870	26.44
260	12.19	34.866	26.45
270	12.04	34.858	26.47
280	11.95	34.857	26.49
290	11.93	34.855	26.49
300	11.87	34.849	26.50

EPOCS EP4-85-RS CTD 6 RESEARCHER

Date 11 10 85 Latitude 2.165 N

Time 0144 Z Longitude 110.195 W

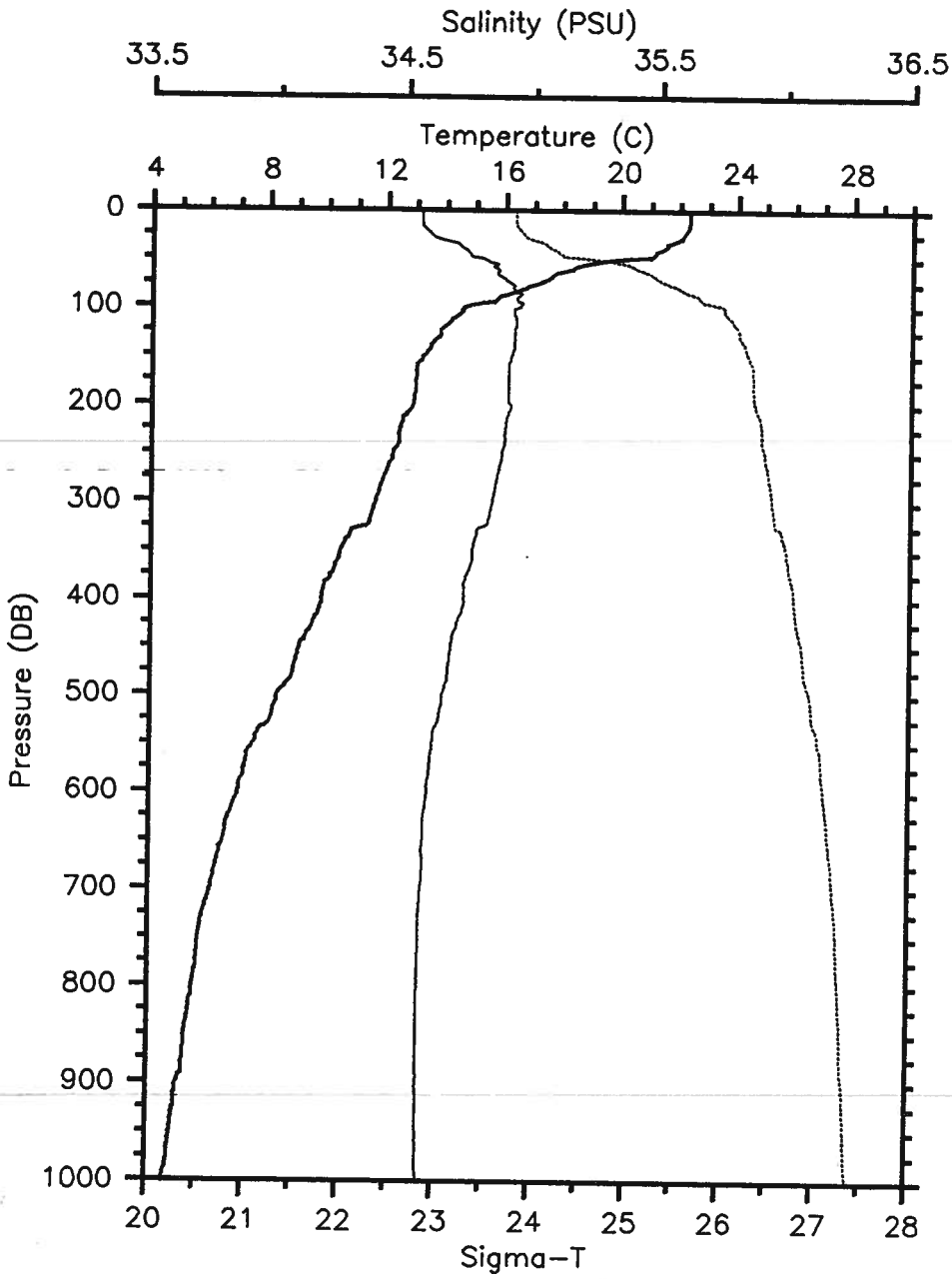


Prs	Tem	Sal	SigT
0	24.55	34.221	22.89
10	24.54	34.222	22.89
20	24.54	34.222	22.89
30	24.53	34.222	22.90
40	24.49	34.229	22.91
50	24.11	34.271	23.06
60	22.12	34.561	23.85
70	20.56	34.687	24.38
80	18.13	34.843	25.12
90	16.25	34.903	25.62
100	15.40	34.933	25.83
110	14.43	34.922	26.04
120	13.92	34.924	26.15
130	13.70	34.920	26.19
140	13.49	34.917	26.23
150	13.32	34.912	26.26
160	13.23	34.911	26.28
170	13.12	34.909	26.30
180	13.06	34.908	26.31
190	12.95	34.898	26.32
200	12.76	34.904	26.37
210	12.68	34.899	26.38
220	12.58	34.893	26.39
230	12.55	34.891	26.40
240	12.29	34.872	26.43
250	12.22	34.868	26.44
260	12.10	34.862	26.46
270	12.00	34.857	26.48
280	11.95	34.856	26.49
290	11.90	34.846	26.49
300	11.70	34.823	26.51
350	10.79	34.762	26.63
400	9.65	34.701	26.78
450	8.59	34.655	26.91
500	7.79	34.621	27.01
550	7.10	34.590	27.08
600	6.64	34.577	27.13
650	6.28	34.568	27.18
700	6.08	34.567	27.20
750	5.78	34.565	27.24
800	5.49	34.563	27.27
850	5.14	34.558	27.31
900	4.96	34.562	27.33
950	4.72	34.562	27.36
1000	4.64	34.563	27.37

EPOCS EP4-85-RS CTD 7 RESEARCHER

Date 11 10 85 Latitude 1.509 N

Time 0826 Z Longitude 109.992 W

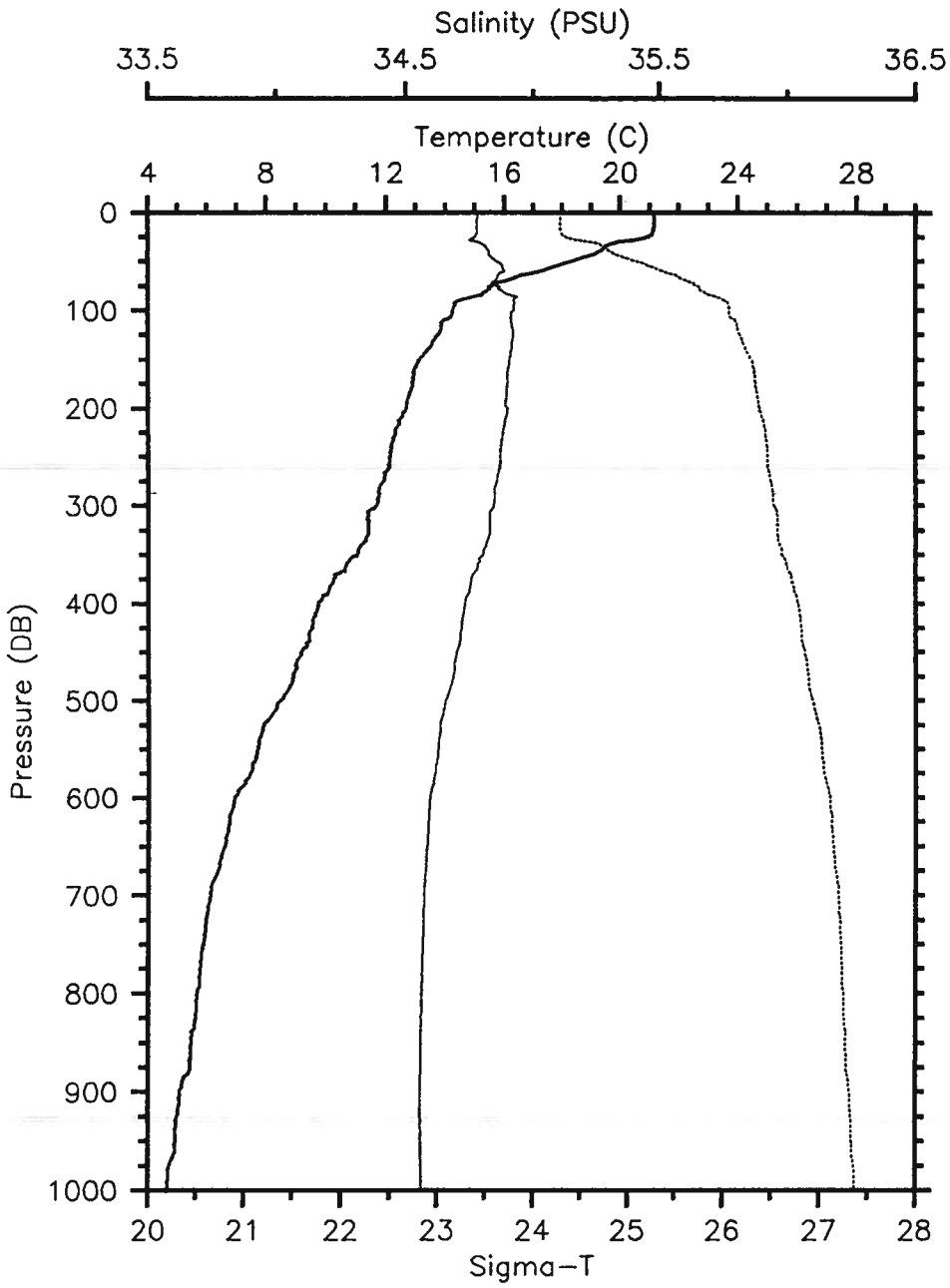


Prs	Tem	Sal	SigT
0	22.30	34.555	23.80
10	22.30	34.556	23.80
20	22.23	34.572	23.83
30	21.93	34.630	23.96
40	21.39	34.722	24.18
50	20.12	34.798	24.58
60	18.35	34.853	25.07
70	17.52	34.878	25.30
80	16.73	34.915	25.51
90	15.80	34.932	25.74
100	14.63	34.946	26.01
110	14.34	34.926	26.06
120	13.94	34.929	26.15
130	13.78	34.922	26.17
140	13.51	34.921	26.23
150	13.23	34.911	26.28
160	13.02	34.901	26.31
170	12.99	34.902	26.32
180	12.97	34.902	26.32
190	12.94	34.901	26.33
200	12.89	34.911	26.35
210	12.68	34.901	26.38
220	12.49	34.891	26.41
230	12.43	34.886	26.42
240	12.41	34.885	26.42
250	12.23	34.876	26.45
260	12.09	34.868	26.47
270	11.97	34.861	26.49
280	11.84	34.852	26.50
290	11.73	34.845	26.52
300	11.64	34.839	26.53
350	10.46	34.761	26.69
400	9.82	34.728	26.77
450	9.09	34.679	26.85
500	8.33	34.646	26.95
550	7.54	34.610	27.04
600	7.01	34.593	27.10
650	6.53	34.577	27.15
700	6.09	34.570	27.20
750	5.70	34.562	27.24
800	5.50	34.560	27.27
850	5.26	34.558	27.30
900	4.99	34.561	27.33
950	4.81	34.562	27.35
1000	4.58	34.566	27.38

EPOCS EP4-85-RS CTD 8 RESEARCHER

Date 11 10 85 Latitude 0.998 N

Time 1414 Z Longitude 109.990 W

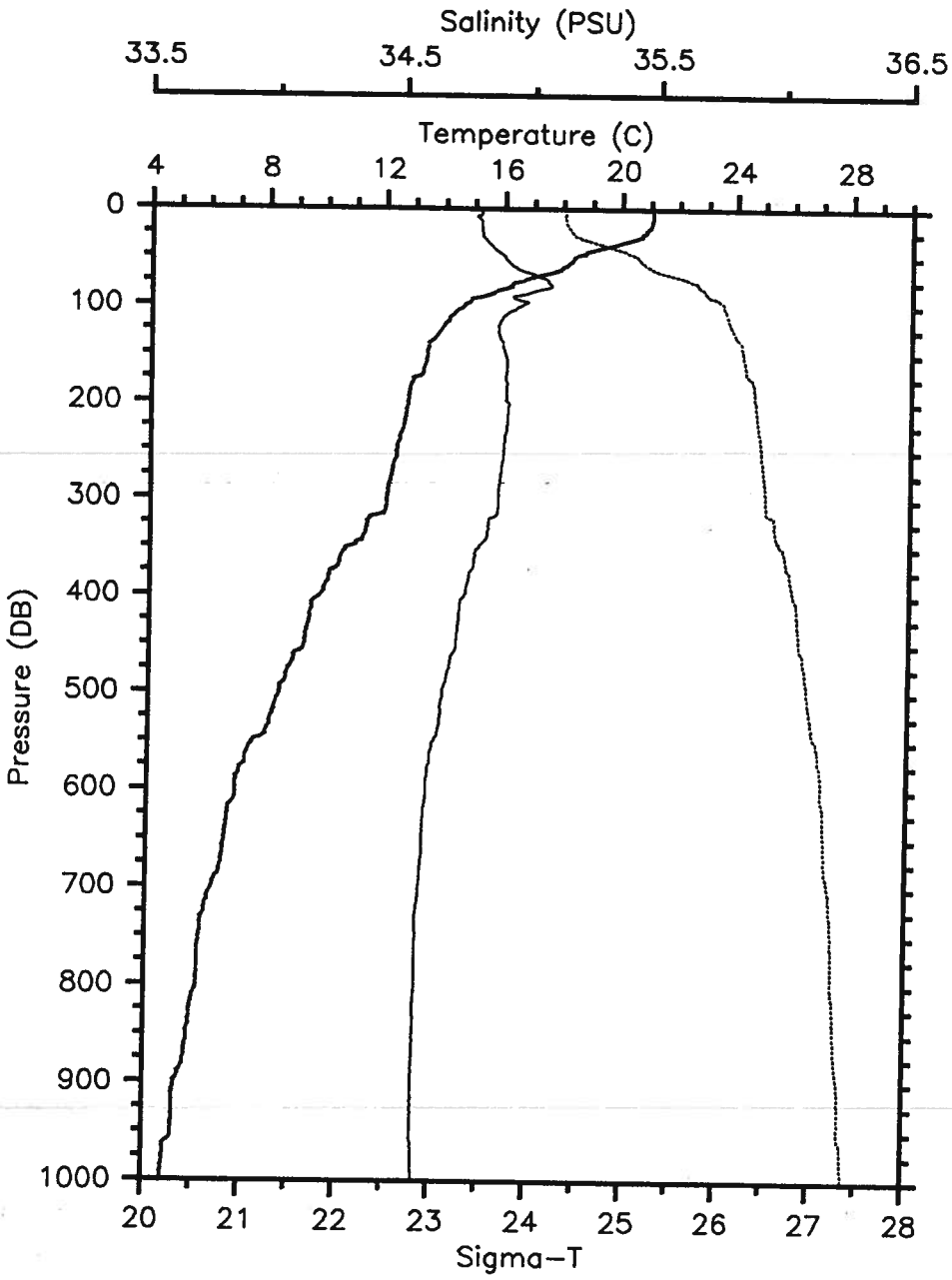


Prs	Tem	Sal	SigT
0	21.16	34.781	24.29
10	21.16	34.780	24.29
20	21.13	34.780	24.29
30	19.94	34.782	24.61
40	19.27	34.827	24.82
50	18.32	34.854	25.08
60	17.19	34.885	25.38
70	16.05	34.851	25.62
80	15.44	34.875	25.78
90	14.48	34.923	26.03
100	14.27	34.924	26.07
110	13.99	34.913	26.12
120	13.85	34.920	26.16
130	13.62	34.918	26.20
140	13.44	34.914	26.24
150	13.13	34.907	26.29
160	12.97	34.900	26.32
170	12.92	34.899	26.33
180	12.86	34.897	26.34
190	12.76	34.893	26.36
200	12.69	34.902	26.38
210	12.51	34.890	26.41
220	12.36	34.883	26.43
230	12.25	34.877	26.45
240	12.17	34.872	26.46
250	12.14	34.870	26.46
260	12.12	34.869	26.47
270	11.97	34.859	26.49
280	11.81	34.849	26.51
290	11.75	34.847	26.52
300	11.66	34.846	26.53
350	11.06	34.801	26.61
400	9.77	34.730	26.78
450	9.19	34.701	26.85
500	8.48	34.654	26.93
550	7.71	34.626	27.02
600	6.95	34.596	27.11
650	6.58	34.584	27.15
700	6.11	34.573	27.20
750	5.88	34.568	27.23
800	5.66	34.563	27.25
850	5.46	34.560	27.27
900	5.09	34.558	27.32
950	4.93	34.560	27.33
1000	4.65	34.565	27.37

EPOCS EP4-85-RS CTD 9 RESEARCHER

Date 11 10 85 Latitude 0.502 N

Time 1508 Z Longitude 109.990 W

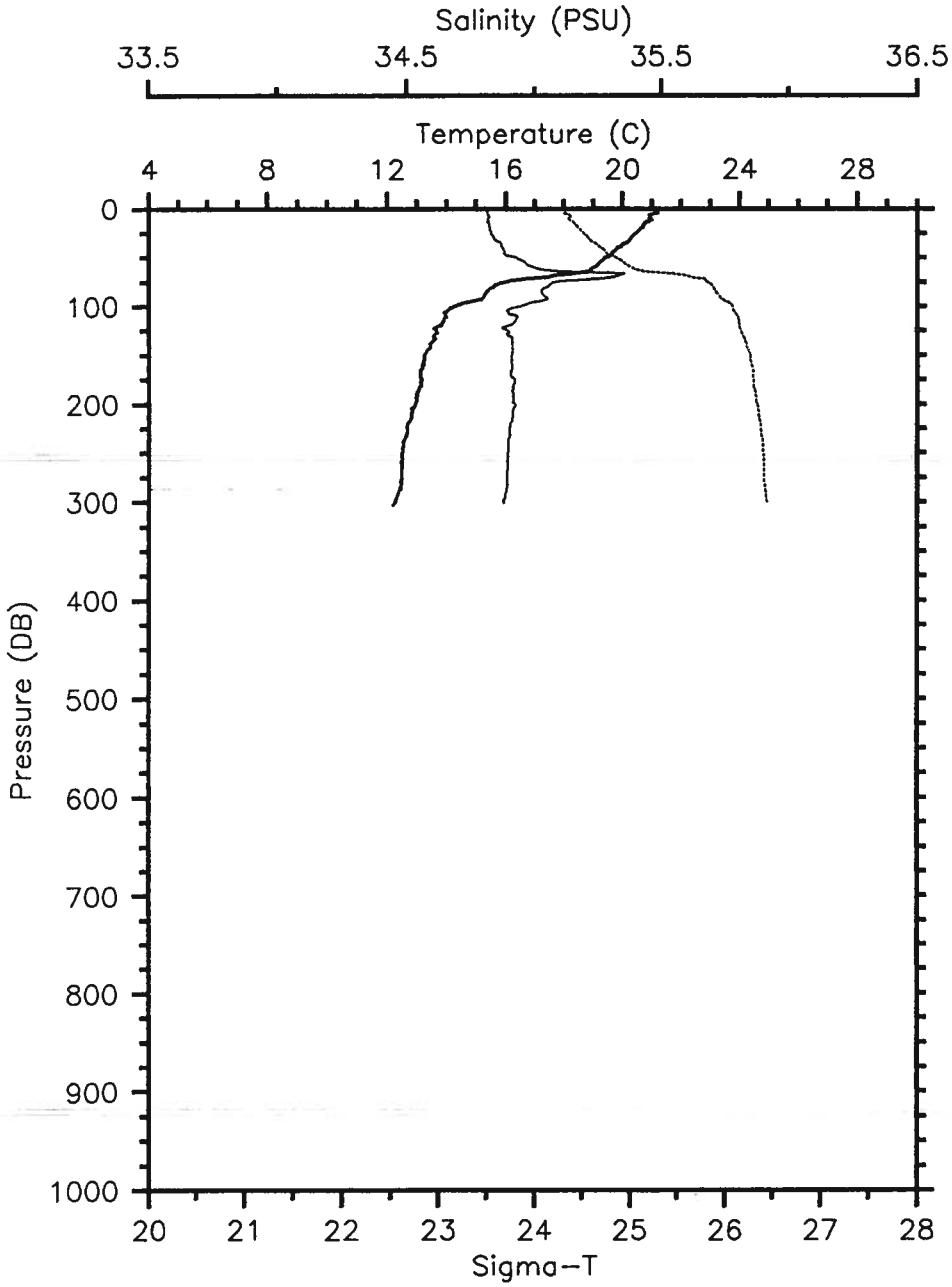


Prs	Tem	Sal	SigT
0	21.06	34.791	24.32
10	21.04	34.782	24.32
20	20.92	34.795	24.36
30	20.50	34.803	24.48
40	19.32	34.837	24.82
50	18.39	34.885	25.09
60	18.00	34.926	25.22
70	17.00	35.016	25.53
80	16.26	35.070	25.74
90	15.28	34.919	25.85
100	14.65	34.952	26.01
110	14.23	34.887	26.05
120	13.97	34.863	26.09
130	13.74	34.865	26.14
140	13.45	34.881	26.21
150	13.41	34.891	26.23
160	13.34	34.896	26.24
170	13.27	34.894	26.26
180	12.89	34.899	26.34
190	12.81	34.895	26.35
200	12.77	34.905	26.37
210	12.73	34.903	26.37
220	12.67	34.900	26.38
230	12.59	34.896	26.40
240	12.48	34.890	26.41
250	12.41	34.886	26.42
260	12.34	34.883	26.43
270	12.26	34.878	26.44
280	12.20	34.874	26.45
290	12.11	34.869	26.47
300	12.07	34.868	26.47
350	10.70	34.794	26.67
400	9.81	34.736	26.78
450	9.29	34.709	26.84
500	8.46	34.658	26.94
550	7.58	34.623	27.04
600	7.00	34.599	27.10
650	6.65	34.586	27.14
700	6.25	34.577	27.19
750	5.85	34.567	27.23
800	5.77	34.566	27.24
850	5.47	34.561	27.27
900	5.07	34.558	27.32
950	4.98	34.559	27.33
1000	4.64	34.566	27.37

EPOCS EP4-85-RS CTD 10 RESEARCHER

Date 11 10 85 Latitude 0.021 N

Time 1850 Z Longitude 110.019 W

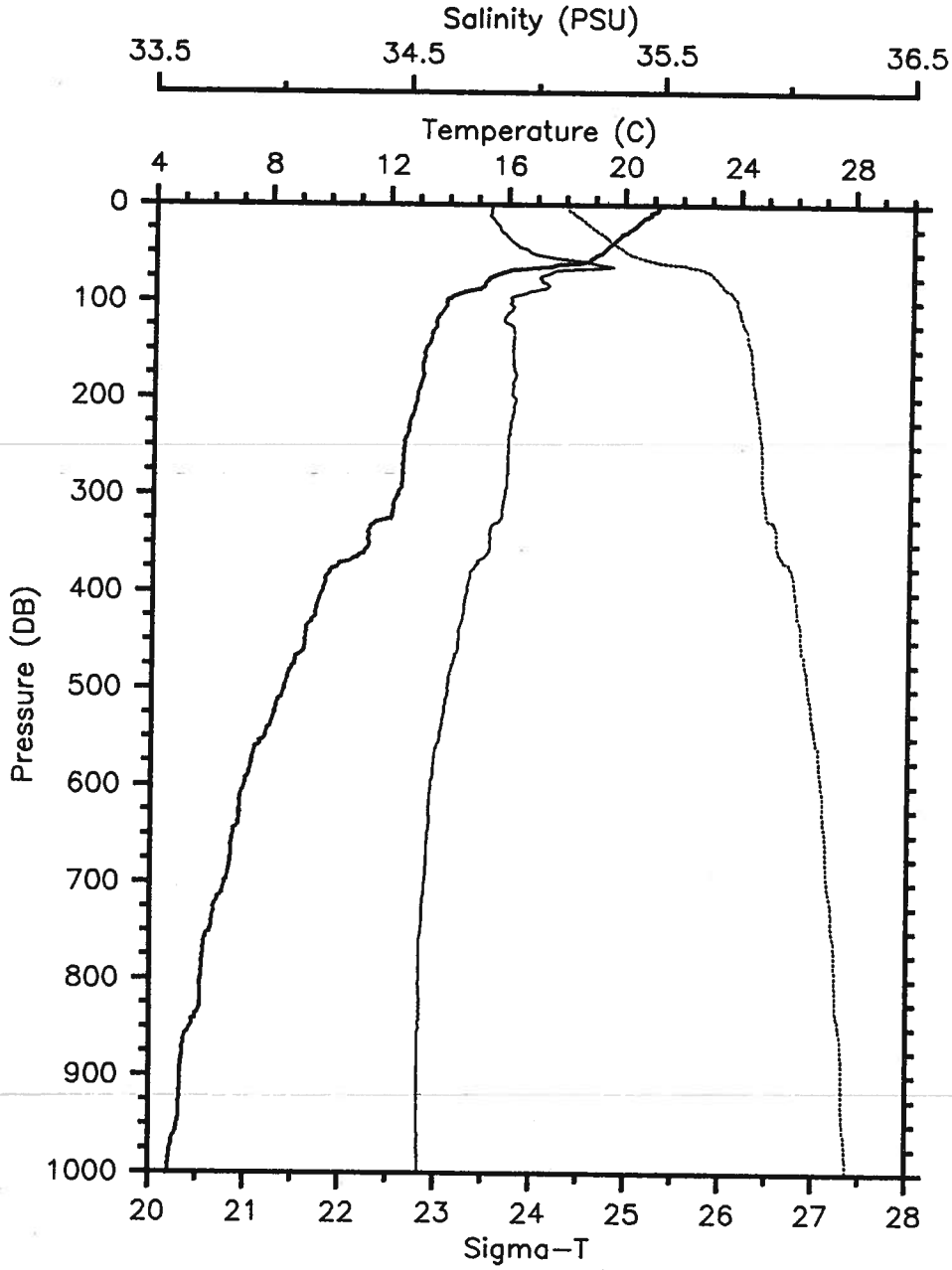


Prs	Tem	Sal	SigT
0	21.20	34.815	24.30
10	20.99	34.816	24.36
20	20.63	34.824	24.46
30	20.27	34.839	24.57
40	19.85	34.874	24.71
50	19.43	34.926	24.86
60	19.00	35.000	25.02
70	17.39	35.308	25.66
80	15.61	35.050	25.87
90	15.26	35.043	25.95
100	14.29	34.942	26.08
110	13.99	34.931	26.14
120	13.74	34.889	26.16
130	13.58	34.894	26.19
140	13.47	34.912	26.23
150	13.27	34.909	26.27
160	13.19	34.910	26.28
170	13.13	34.906	26.29
180	13.14	34.917	26.30
190	13.01	34.915	26.33
200	12.95	34.923	26.34
210	12.84	34.913	26.36
220	12.71	34.904	26.38
230	12.67	34.900	26.38
240	12.55	34.896	26.40
250	12.52	34.894	26.41
260	12.49	34.893	26.41
270	12.48	34.892	26.41
280	12.47	34.891	26.41
290	12.38	34.886	26.43
300	12.26	34.879	26.45

EPOCS EP4-85-RS CTD 11 RESEARCHER

Date 11 10 85 Latitude 0.015 N

Time 1949 Z Longitude 110.005 W

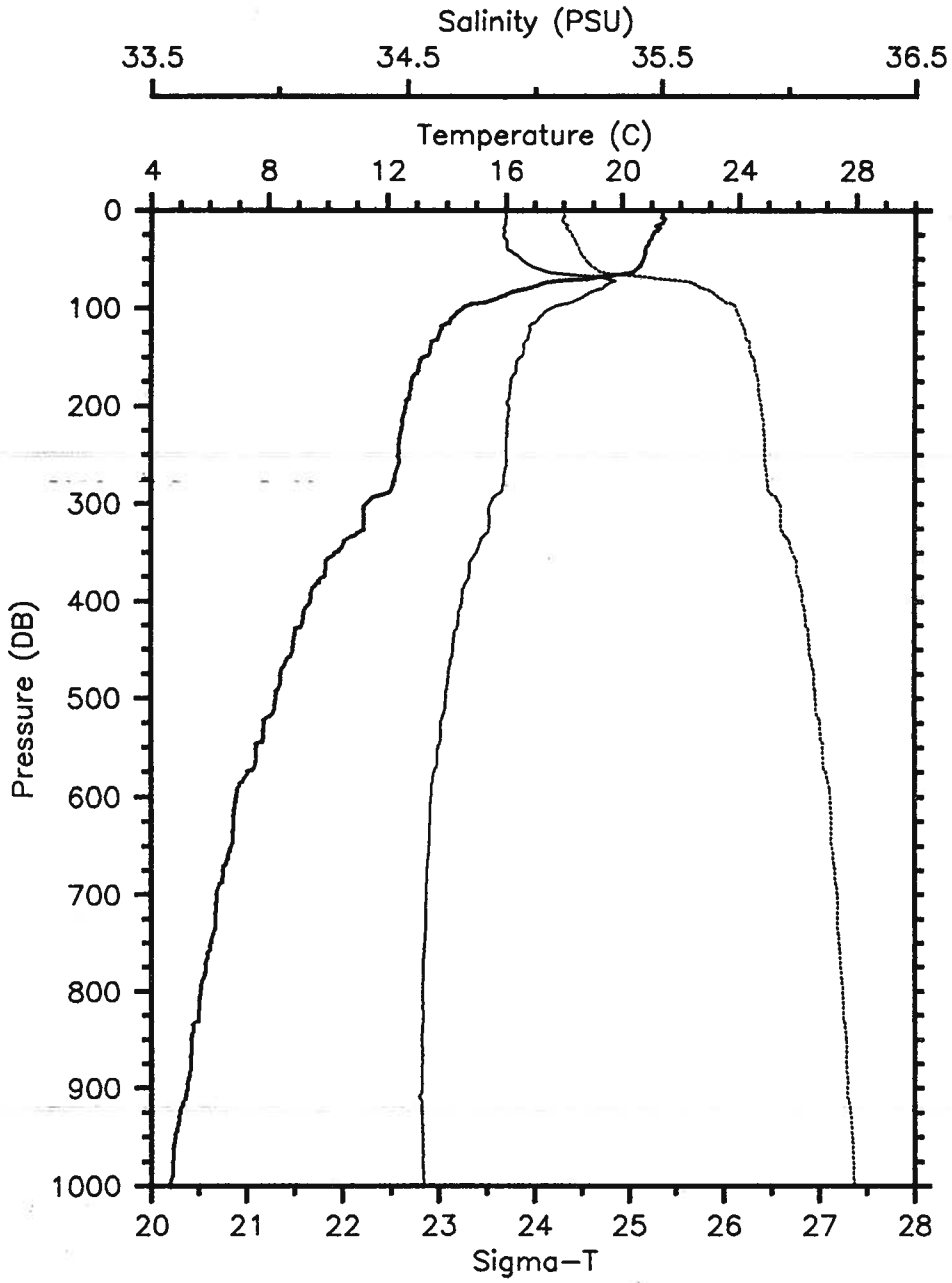


Prs	Tem	Sal	SigT
0	21.17	34.817	24.31
10	20.90	34.814	24.38
20	20.46	34.838	24.52
30	19.93	34.874	24.69
40	19.58	34.912	24.81
50	19.21	34.971	24.95
60	18.47	35.218	25.32
70	15.85	35.062	25.83
80	15.29	35.019	25.92
90	14.53	34.969	26.05
100	13.95	34.906	26.13
110	13.81	34.903	26.15
120	13.60	34.874	26.17
130	13.50	34.911	26.22
140	13.42	34.912	26.24
150	13.24	34.909	26.27
160	13.20	34.911	26.28
170	13.15	34.915	26.30
180	13.15	34.919	26.30
190	13.06	34.912	26.31
200	12.97	34.921	26.34
210	12.88	34.916	26.35
220	12.78	34.911	26.37
230	12.69	34.903	26.38
240	12.61	34.897	26.39
250	12.55	34.896	26.40
260	12.51	34.894	26.41
270	12.49	34.893	26.41
280	12.48	34.892	26.41
290	12.47	34.891	26.42
300	12.35	34.883	26.43
350	11.35	34.827	26.58
400	9.83	34.739	26.78
450	9.25	34.706	26.85
500	8.54	34.665	26.93
550	7.92	34.635	27.00
600	7.21	34.604	27.08
650	6.82	34.591	27.12
700	6.56	34.582	27.15
750	6.05	34.569	27.21
800	5.75	34.562	27.24
850	5.39	34.562	27.28
900	5.07	34.558	27.32
950	4.96	34.558	27.33
1000	4.62	34.564	27.37

EPOCS EP4-85-RS CTD 12 RESEARCHER

Date 11 11 85 Latitude 0.499 S

Time 0224 Z Longitude 110.017 W

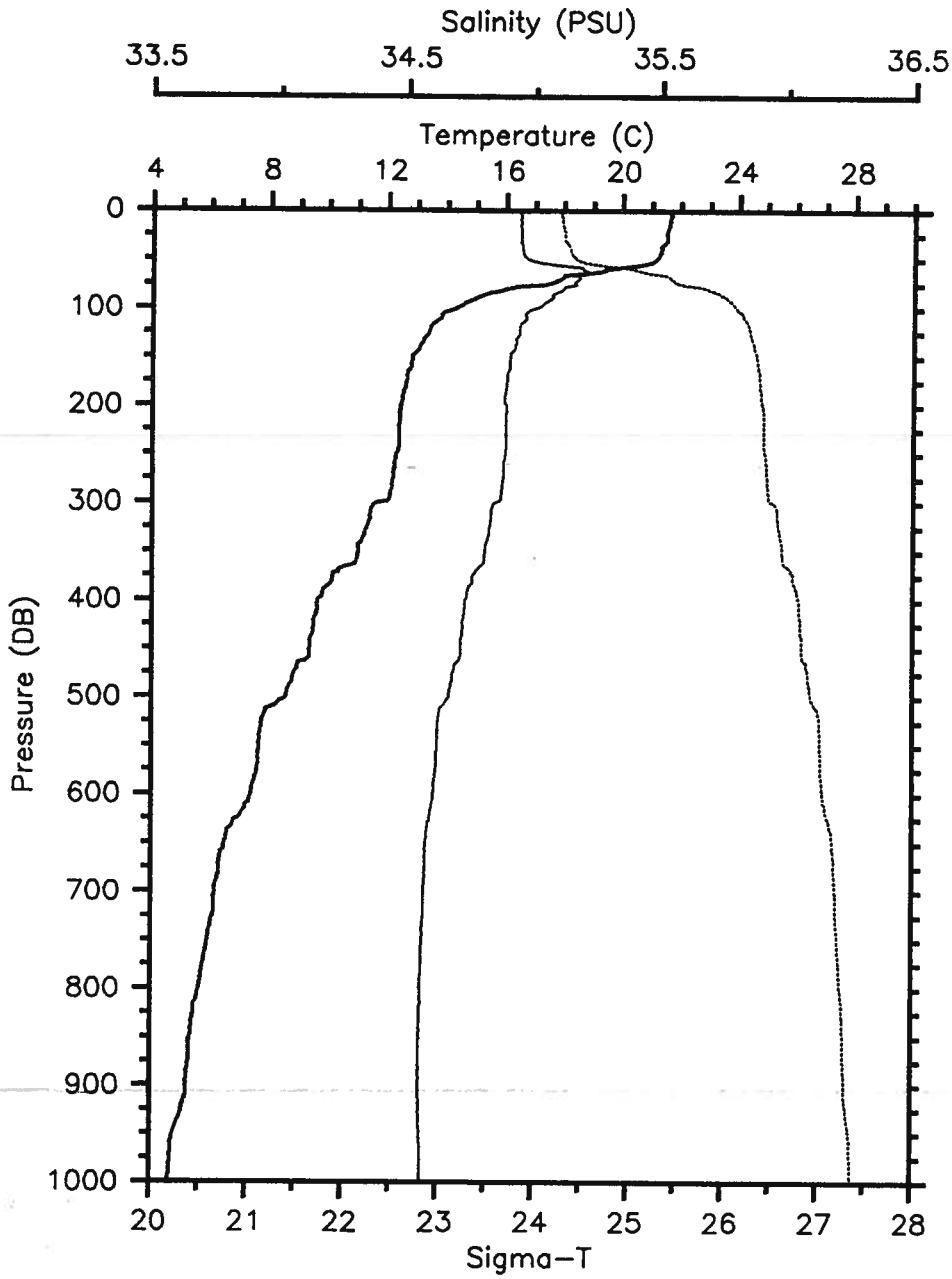


Prs	Tem	Sal	SigT
0	21.37	34.883	24.30
10	21.42	34.882	24.29
20	21.22	34.877	24.34
30	20.96	34.887	24.42
40	20.80	34.890	24.47
50	20.72	34.945	24.53
60	20.48	35.020	24.65
70	18.80	35.284	25.29
80	16.77	35.269	25.78
90	15.72	35.178	25.95
100	14.55	35.067	26.12
110	14.19	35.016	26.16
120	13.86	34.981	26.20
130	13.73	34.974	26.22
140	13.48	34.958	26.26
150	13.21	34.944	26.31
160	13.07	34.926	26.32
170	12.89	34.911	26.35
180	12.82	34.904	26.35
190	12.76	34.901	26.36
200	12.62	34.899	26.39
210	12.56	34.895	26.40
220	12.50	34.892	26.41
230	12.44	34.890	26.42
240	12.40	34.888	26.43
250	12.39	34.887	26.43
260	12.39	34.887	26.43
270	12.28	34.880	26.44
280	12.19	34.875	26.46
290	11.89	34.854	26.50
300	11.31	34.824	26.58
350	10.28	34.771	26.72
400	9.43	34.716	26.83
450	8.82	34.680	26.90
500	8.26	34.651	26.96
550	7.59	34.621	27.04
600	6.90	34.594	27.11
650	6.74	34.586	27.13
700	6.24	34.576	27.19
750	6.04	34.568	27.21
800	5.68	34.560	27.24
850	5.37	34.558	27.28
900	5.24	34.558	27.30
950	4.82	34.560	27.35
1000	4.66	34.565	27.37

EPOCS EP4-85-RS CTD 13 RESEARCHER

Date 11 11 85 Latitude 1.000 S

Time 0554 Z Longitude 109.986 W

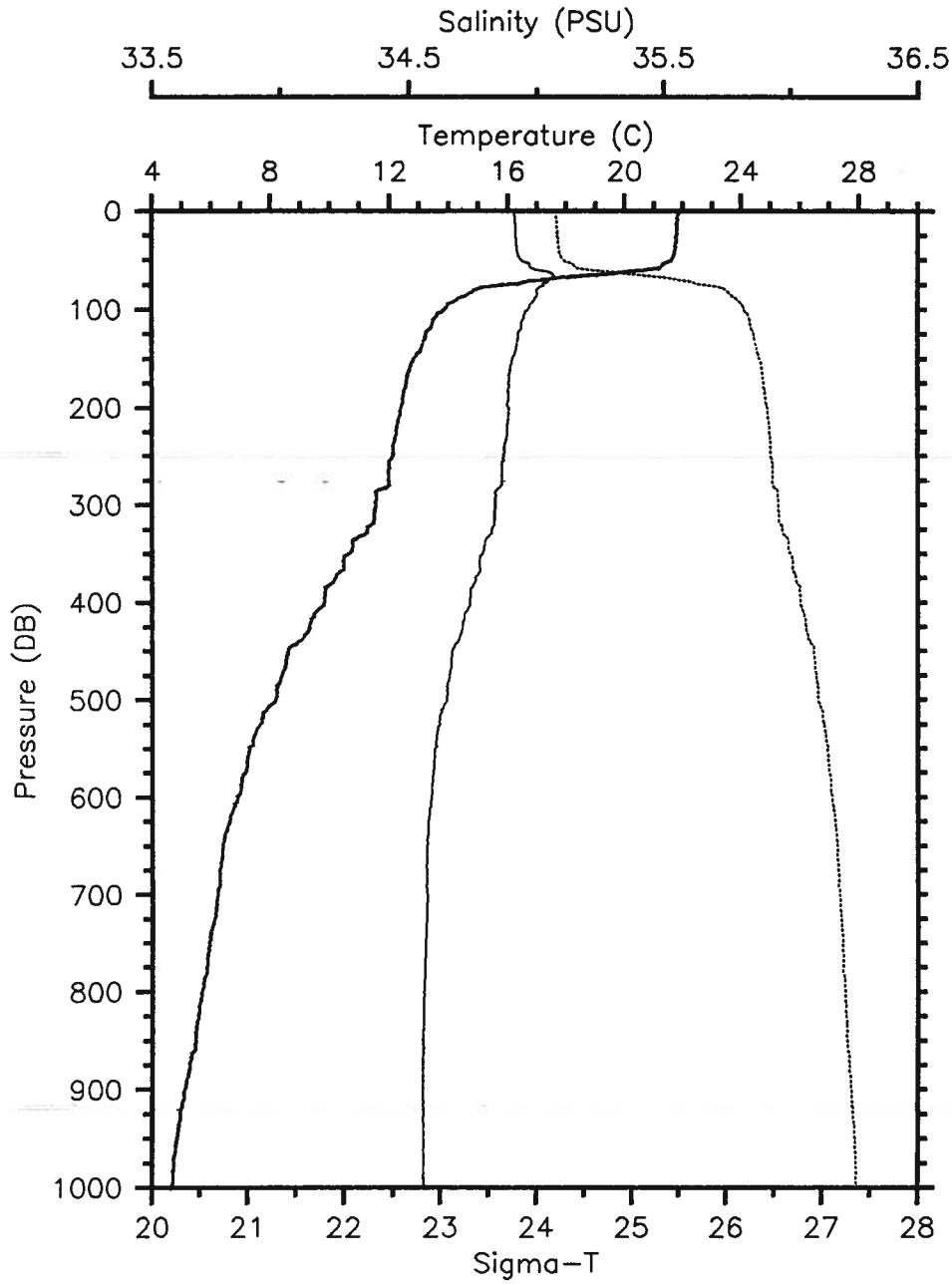


Prs	Tem	Sal	SigT
0	21.62	34.942	24.28
10	21.61	34.942	24.28
20	21.53	34.943	24.31
30	21.51	34.944	24.31
40	21.32	34.950	24.37
50	21.14	34.973	24.44
60	19.46	35.188	25.05
70	17.88	35.176	25.44
80	16.05	35.112	25.82
90	14.96	35.069	26.04
100	14.32	35.008	26.13
110	13.80	34.967	26.20
120	13.43	34.941	26.26
130	13.26	34.931	26.29
140	13.07	34.923	26.32
150	12.84	34.905	26.35
160	12.79	34.903	26.36
170	12.66	34.894	26.38
180	12.62	34.891	26.39
190	12.52	34.884	26.40
200	12.45	34.892	26.42
210	12.42	34.889	26.42
220	12.41	34.888	26.42
230	12.40	34.888	26.42
240	12.40	34.888	26.43
250	12.32	34.885	26.44
260	12.24	34.879	26.45
270	12.21	34.877	26.45
280	12.17	34.874	26.46
290	12.10	34.870	26.47
300	11.65	34.848	26.54
350	11.00	34.806	26.62
400	9.64	34.728	26.80
450	9.37	34.713	26.83
500	8.56	34.667	26.93
550	7.65	34.622	27.03
600	7.37	34.607	27.06
650	6.48	34.577	27.16
700	6.17	34.572	27.19
750	5.93	34.566	27.22
800	5.64	34.560	27.25
850	5.34	34.557	27.28
900	5.23	34.556	27.30
950	4.77	34.560	27.35
1000	4.61	34.562	27.37

EPOCS EP4-85-RS CTD 14 RESEARCHER

Date 11 11 85 Latitude 1.506 S

Time 0911 Z Longitude 110.003 W

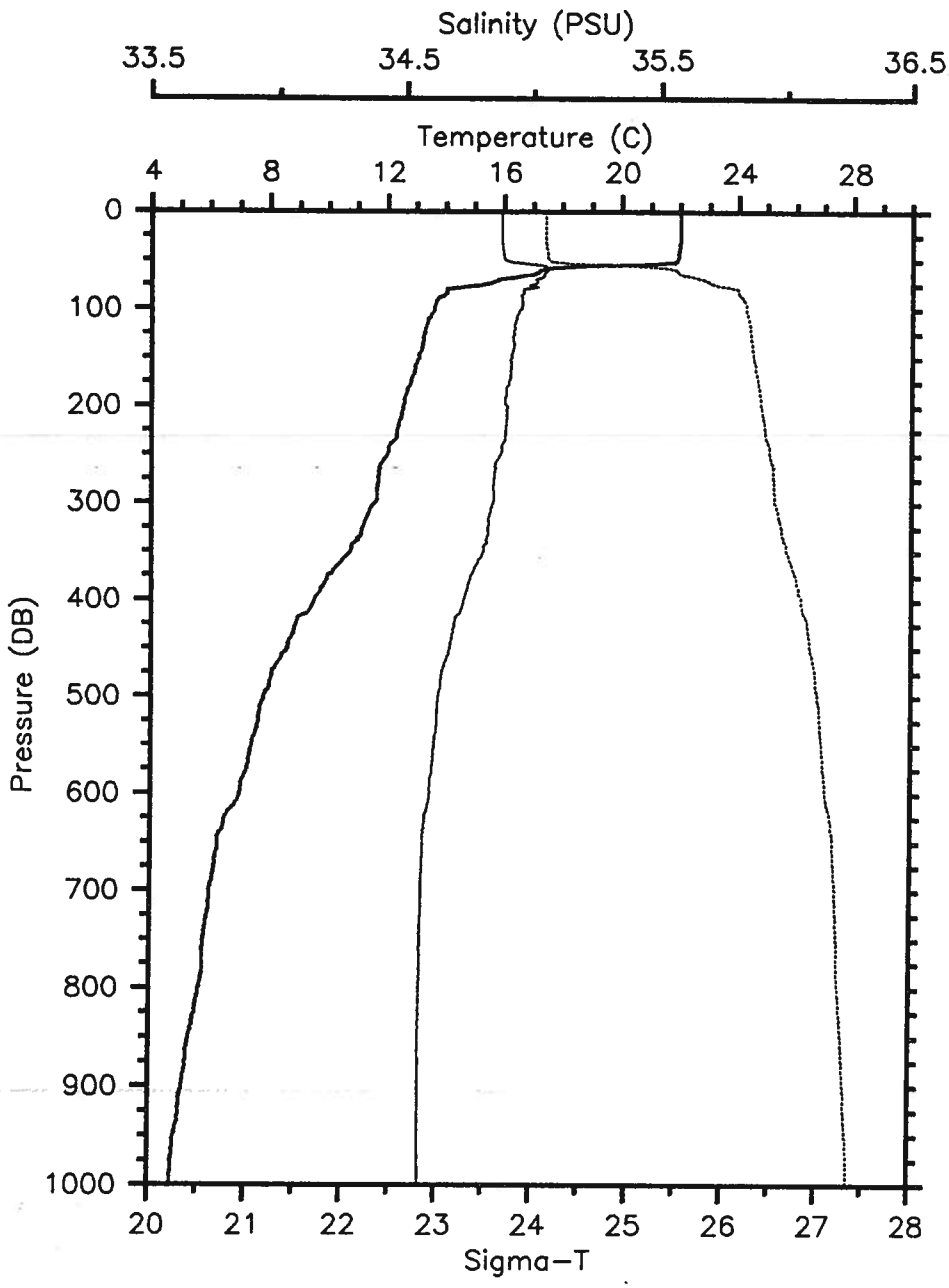


Prs	Tem	Sal	SigT
0	21.85	34.911	24.19
10	21.82	34.913	24.20
20	21.79	34.916	24.21
30	21.77	34.918	24.22
40	21.74	34.922	24.23
50	21.62	34.937	24.28
60	20.77	34.999	24.56
70	17.24	35.038	25.49
80	14.92	34.999	25.99
90	14.31	34.989	26.11
100	13.88	34.966	26.19
110	13.53	34.946	26.24
120	13.38	34.936	26.27
130	13.21	34.926	26.29
140	13.08	34.918	26.31
150	12.83	34.904	26.35
160	12.71	34.896	26.37
170	12.62	34.890	26.38
180	12.55	34.888	26.40
190	12.47	34.887	26.41
200	12.39	34.892	26.43
210	12.33	34.888	26.44
220	12.26	34.884	26.45
230	12.21	34.881	26.46
240	12.14	34.873	26.46
250	12.12	34.870	26.47
260	12.00	34.863	26.48
270	11.99	34.863	26.49
280	11.97	34.861	26.49
290	11.59	34.839	26.54
300	11.56	34.837	26.55
350	10.63	34.789	26.68
400	9.83	34.738	26.78
450	8.62	34.671	26.92
500	8.20	34.649	26.97
550	7.31	34.602	27.06
600	6.91	34.588	27.11
650	6.41	34.572	27.16
700	6.23	34.573	27.19
750	5.95	34.566	27.22
800	5.69	34.559	27.24
850	5.48	34.556	27.27
900	5.10	34.556	27.31
950	4.84	34.558	27.34
1000	4.67	34.559	27.36

EPOCS EP4-85-RS CTD 15 RESEARCHER

Date 11 11 85 Latitude 1.997 S

Time 1154 Z Longitude 110.005 W

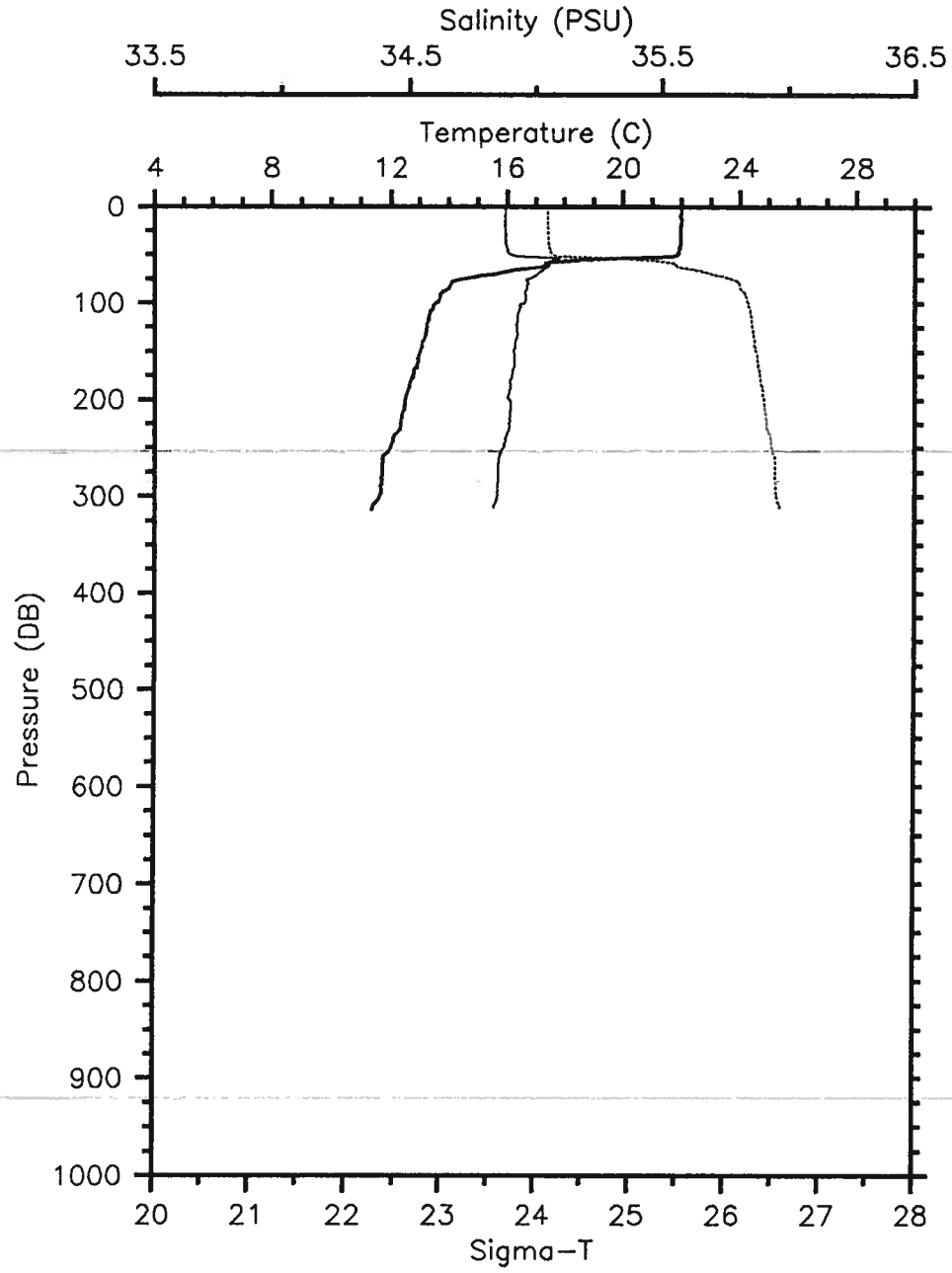


Prs	Tem	Sal	SigT
0	21.99	34.875	24.13
10	21.99	34.875	24.13
20	22.00	34.875	24.13
30	21.99	34.875	24.13
40	21.95	34.880	24.14
50	21.89	34.889	24.17
60	17.23	35.055	25.50
70	15.85	35.008	25.79
80	14.06	34.961	26.14
90	13.73	34.955	26.21
100	13.60	34.955	26.24
110	13.42	34.934	26.26
120	13.31	34.928	26.28
130	13.23	34.921	26.29
140	13.19	34.923	26.30
150	13.07	34.916	26.31
160	12.95	34.913	26.34
170	12.85	34.910	26.35
180	12.72	34.897	26.37
190	12.62	34.894	26.39
200	12.56	34.901	26.40
210	12.49	34.898	26.42
220	12.39	34.895	26.43
230	12.33	34.892	26.44
240	12.09	34.879	26.48
250	12.00	34.873	26.49
260	11.75	34.853	26.52
270	11.71	34.849	26.53
280	11.68	34.847	26.53
290	11.65	34.848	26.54
300	11.58	34.844	26.55
350	10.74	34.807	26.67
400	9.51	34.728	26.82
450	8.62	34.673	26.92
500	7.82	34.627	27.01
550	7.42	34.611	27.05
600	7.02	34.594	27.10
650	6.28	34.567	27.17
700	6.02	34.562	27.20
750	5.83	34.560	27.23
800	5.67	34.558	27.24
850	5.35	34.556	27.28
900	5.13	34.558	27.31
950	4.88	34.559	27.34
1000	4.74	34.561	27.36

EPOCS EP4-85-RS CTD 16 RESEARCHER

Date 11 11 85 Latitude 1.993 S

Time 1510 Z Longitude 110.013 W

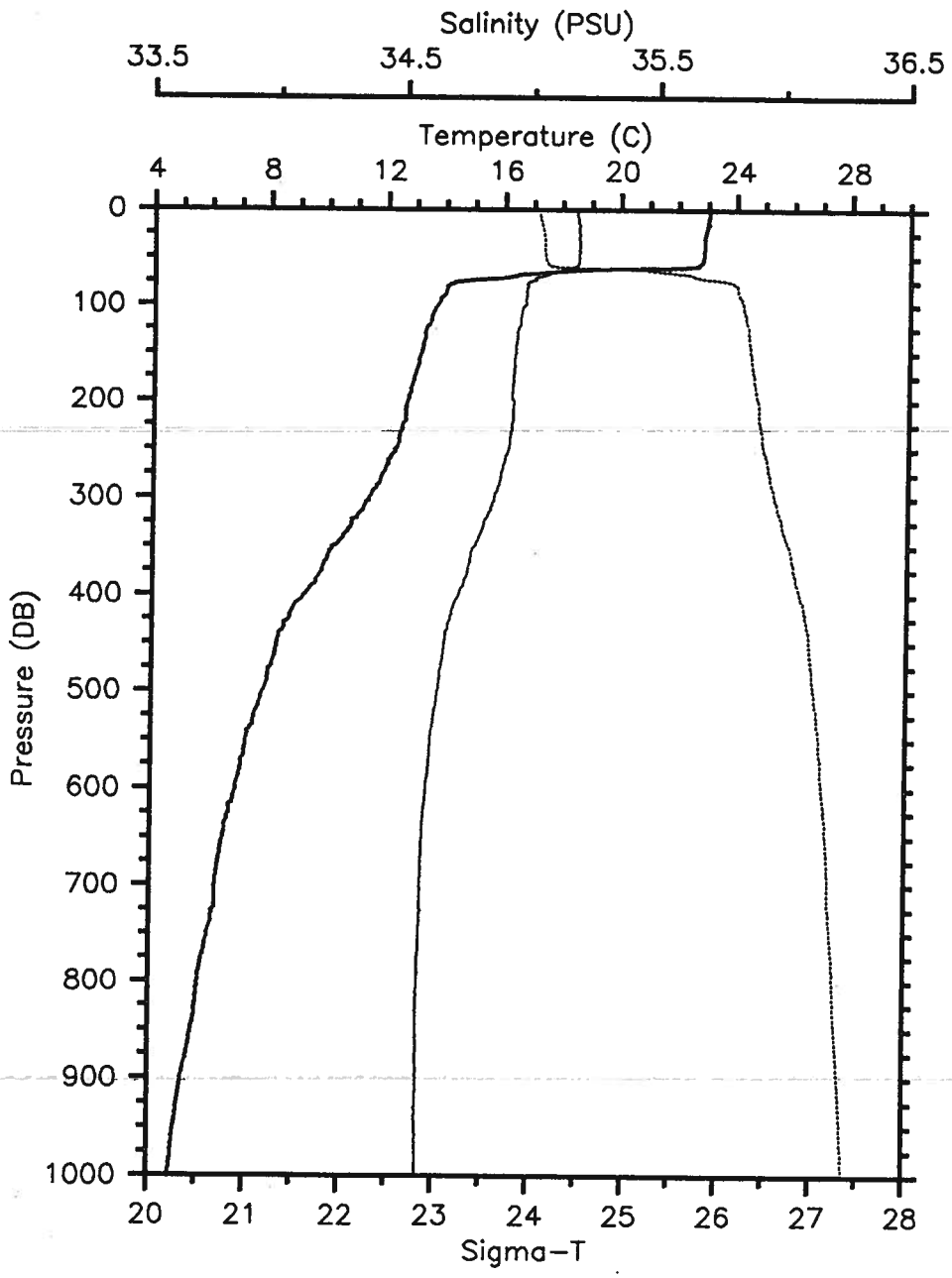


Prs	Tem	Sal	SigT
0	21.99	34.875	24.13
10	21.98	34.876	24.13
20	21.98	34.876	24.13
30	21.98	34.877	24.13
40	21.96	34.880	24.14
50	21.86	34.898	24.18
60	17.35	35.057	25.48
70	15.59	35.007	25.85
80	14.09	34.969	26.15
90	13.74	34.958	26.21
100	13.58	34.955	26.24
110	13.37	34.929	26.26
120	13.28	34.925	26.28
130	13.22	34.925	26.29
140	13.09	34.917	26.31
150	13.01	34.911	26.32
160	12.95	34.914	26.34
170	12.80	34.906	26.36
180	12.70	34.897	26.37
190	12.61	34.893	26.39
200	12.52	34.897	26.41
210	12.48	34.898	26.42
220	12.39	34.894	26.43
230	12.33	34.892	26.44
240	12.08	34.879	26.48
250	11.99	34.871	26.49
260	11.74	34.852	26.52
270	11.72	34.850	26.53
280	11.70	34.849	26.53
290	11.68	34.847	26.53
300	11.63	34.846	26.54

EPOCS EP4-85-RS CTD 17 RESEARCHER

Date 11 11 85 Latitude 3.000 S

Time 2252 Z Longitude 110.000 W

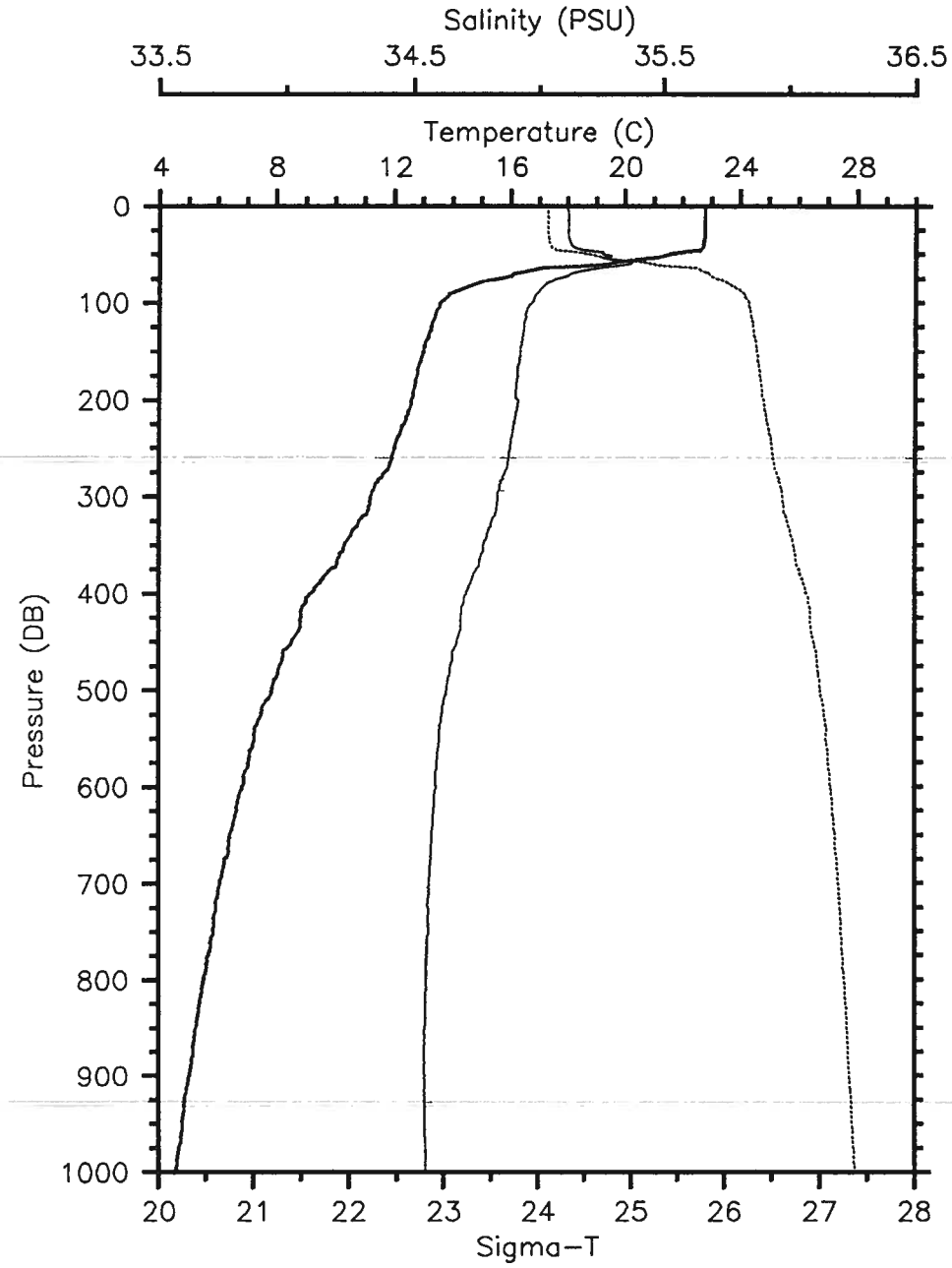


Prs	Tem	Sal	SigT
0	23.03	35.169	24.05
10	23.02	35.174	24.06
20	22.94	35.179	24.09
30	22.88	35.179	24.11
40	22.87	35.180	24.11
50	22.84	35.179	24.12
60	22.24	35.154	24.27
70	16.25	35.027	25.71
80	14.05	34.977	26.16
90	13.92	34.970	26.18
100	13.70	34.968	26.23
110	13.52	34.949	26.25
120	13.42	34.946	26.27
130	13.28	34.935	26.29
140	13.22	34.931	26.29
150	13.14	34.929	26.31
160	13.07	34.925	26.32
170	12.98	34.924	26.34
180	12.89	34.920	26.35
190	12.81	34.919	26.37
200	12.70	34.925	26.39
210	12.65	34.921	26.40
220	12.63	34.920	26.40
230	12.51	34.915	26.43
240	12.42	34.908	26.44
250	12.30	34.903	26.46
260	12.06	34.890	26.49
270	11.96	34.881	26.51
280	11.81	34.872	26.53
290	11.62	34.861	26.55
300	11.41	34.848	26.58
350	10.19	34.771	26.74
400	9.22	34.710	26.86
450	8.29	34.658	26.96
500	7.82	34.632	27.01
550	7.26	34.606	27.07
600	6.91	34.590	27.11
650	6.51	34.578	27.15
700	6.25	34.572	27.18
750	5.99	34.569	27.21
800	5.67	34.563	27.25
850	5.47	34.561	27.27
900	5.14	34.562	27.31
950	4.89	34.561	27.34
1000	4.71	34.562	27.36

EPOCS EP4-85-RS CTD 18 RESEARCHER

Date 11 12 85 Latitude 3.933 S

Time 0419 Z Longitude 109.997 W

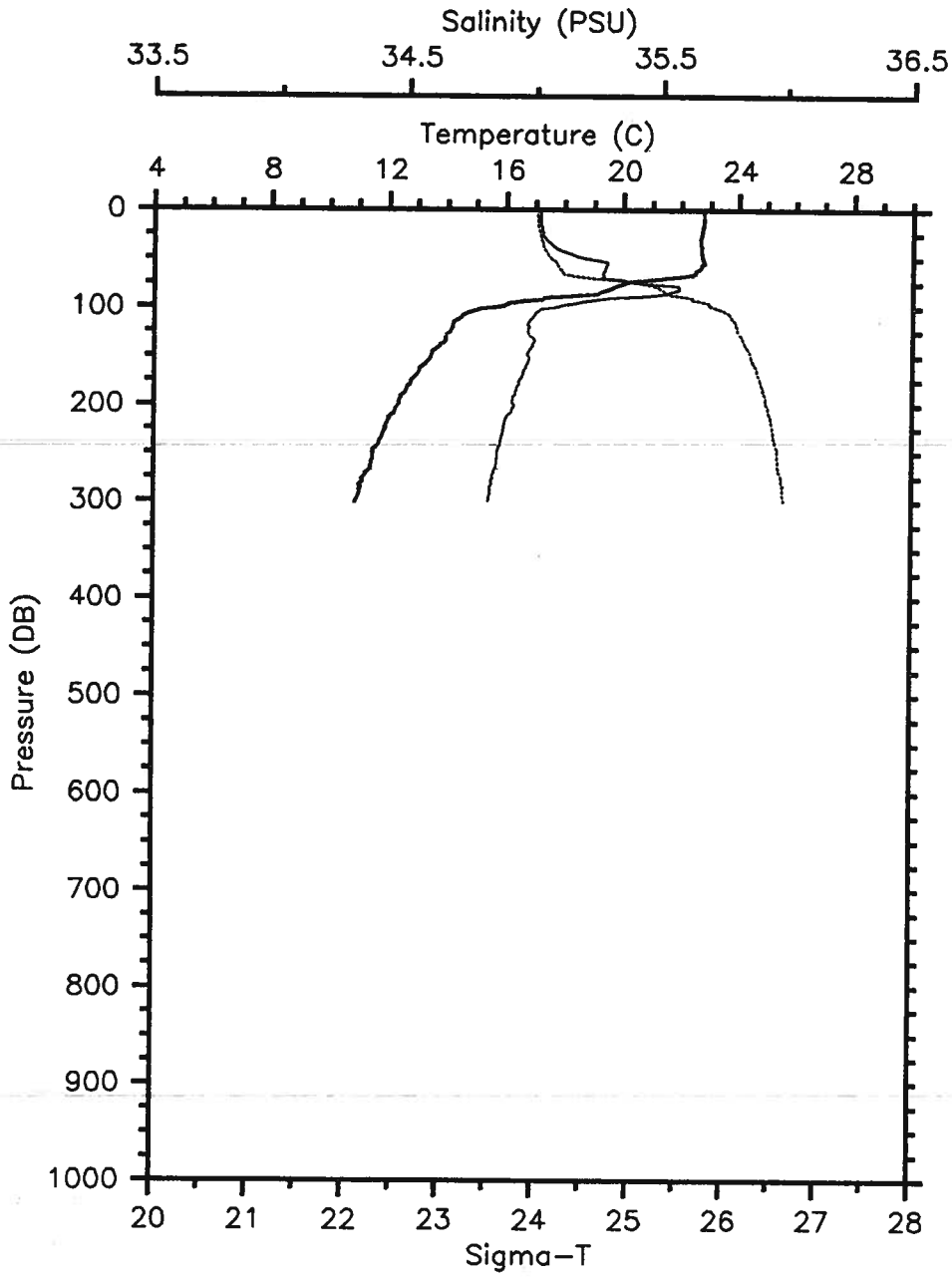


Prs	Tem	Sal	SigT
0	22.77	35.113	24.09
10	22.77	35.116	24.09
20	22.77	35.116	24.09
30	22.76	35.118	24.09
40	22.72	35.130	24.11
50	21.60	35.253	24.52
60	19.34	35.365	25.21
70	16.11	35.128	25.82
80	14.86	35.028	26.03
90	13.93	34.990	26.20
100	13.60	34.973	26.25
110	13.43	34.946	26.26
120	13.29	34.938	26.29
130	13.21	34.937	26.30
140	13.09	34.930	26.32
150	13.01	34.924	26.33
160	12.93	34.920	26.35
170	12.82	34.914	26.36
180	12.73	34.910	26.38
190	12.65	34.907	26.39
200	12.59	34.915	26.41
210	12.51	34.911	26.42
220	12.39	34.903	26.44
230	12.25	34.897	26.46
240	12.11	34.889	26.48
250	12.03	34.885	26.50
260	11.93	34.879	26.51
270	11.83	34.872	26.52
280	11.60	34.855	26.55
290	11.35	34.843	26.59
300	11.21	34.835	26.61
350	10.33	34.780	26.72
400	9.16	34.712	26.87
450	8.55	34.674	26.93
500	7.87	34.634	27.01
550	7.27	34.606	27.07
600	6.86	34.593	27.12
650	6.44	34.576	27.16
700	6.09	34.566	27.20
750	5.86	34.562	27.22
800	5.54	34.554	27.26
850	5.26	34.550	27.29
900	5.05	34.550	27.31
950	4.80	34.551	27.34
1000	4.56	34.554	27.37

EPOCS EP4-85-RS CTD 19 RESEARCHER

Date 11 13 85 Latitude 4.995 S

Time 0217 Z Longitude 109.867 W

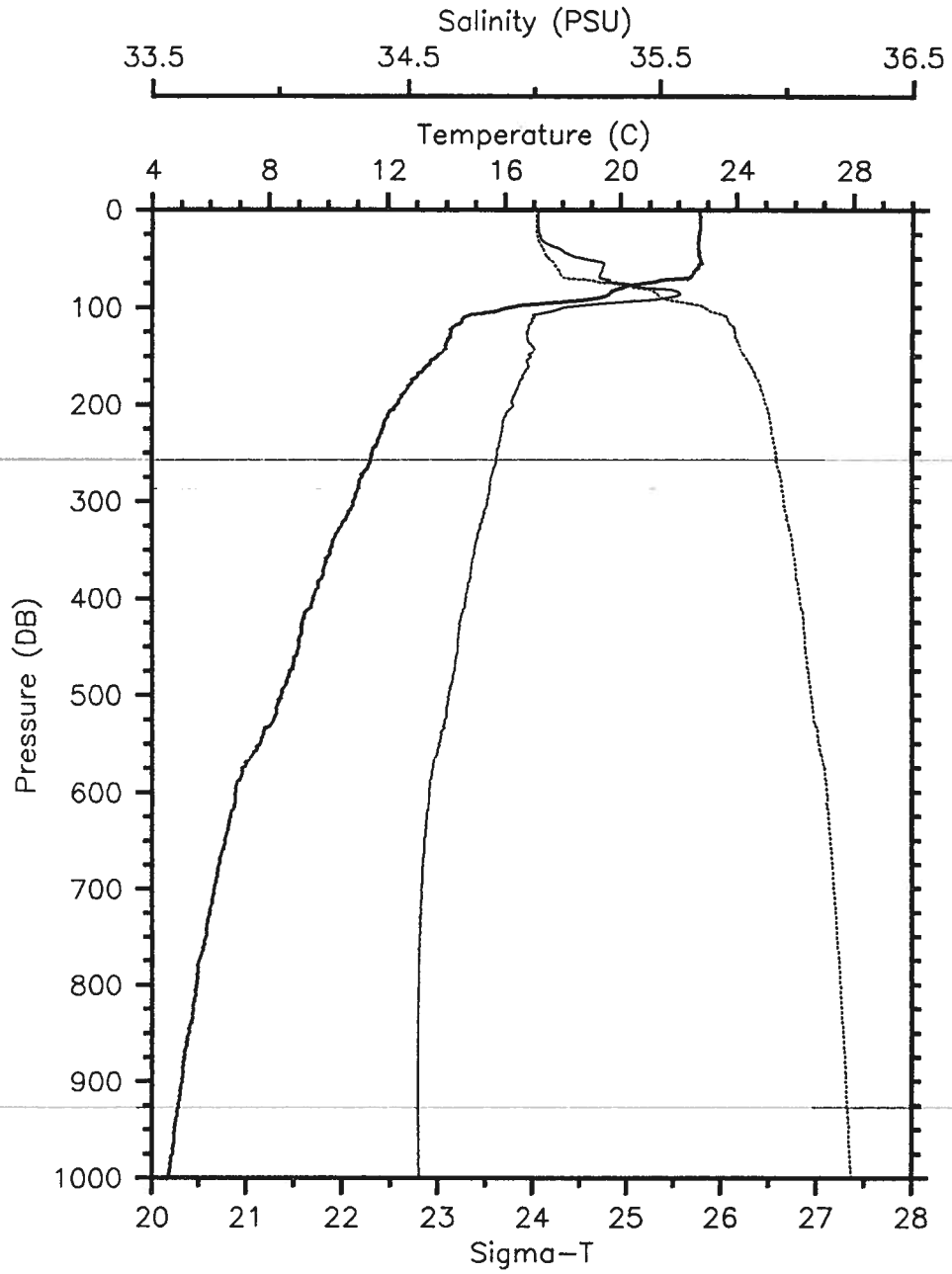


Prs	Tem	Sal	SigT
0	22.76	35.018	24.02
10	22.76	35.018	24.02
20	22.73	35.024	24.03
30	22.66	35.040	24.06
40	22.68	35.081	24.09
50	22.73	35.194	24.16
60	22.64	35.274	24.25
70	21.42	35.259	24.58
80	19.67	35.569	25.29
90	17.36	35.297	25.66
100	15.64	35.087	25.90
110	14.50	34.992	26.08
120	14.18	34.976	26.13
~~130~~	~~13.95~~	~~34.985~~	26.19
140	13.74	34.989	26.23
150	13.43	34.975	26.29
160	13.18	34.964	26.33
170	12.93	34.948	26.37
180	12.69	34.933	26.40
190	12.47	34.923	26.44
200	12.34	34.918	26.46
210	12.12	34.896	26.49
220	11.91	34.880	26.51
230	11.81	34.873	26.53
240	11.67	34.865	26.55
250	11.48	34.853	26.57
260	11.43	34.849	26.58
270	11.26	34.841	26.60
280	11.11	34.829	26.62
290	11.03	34.825	26.63
300	10.91	34.817	26.65

EPOCS EP4-85-RS CTD 20 RESEARCHER

Date 11 13 85 Latitude 5.080 S

Time 0337 Z Longitude 109.895 W

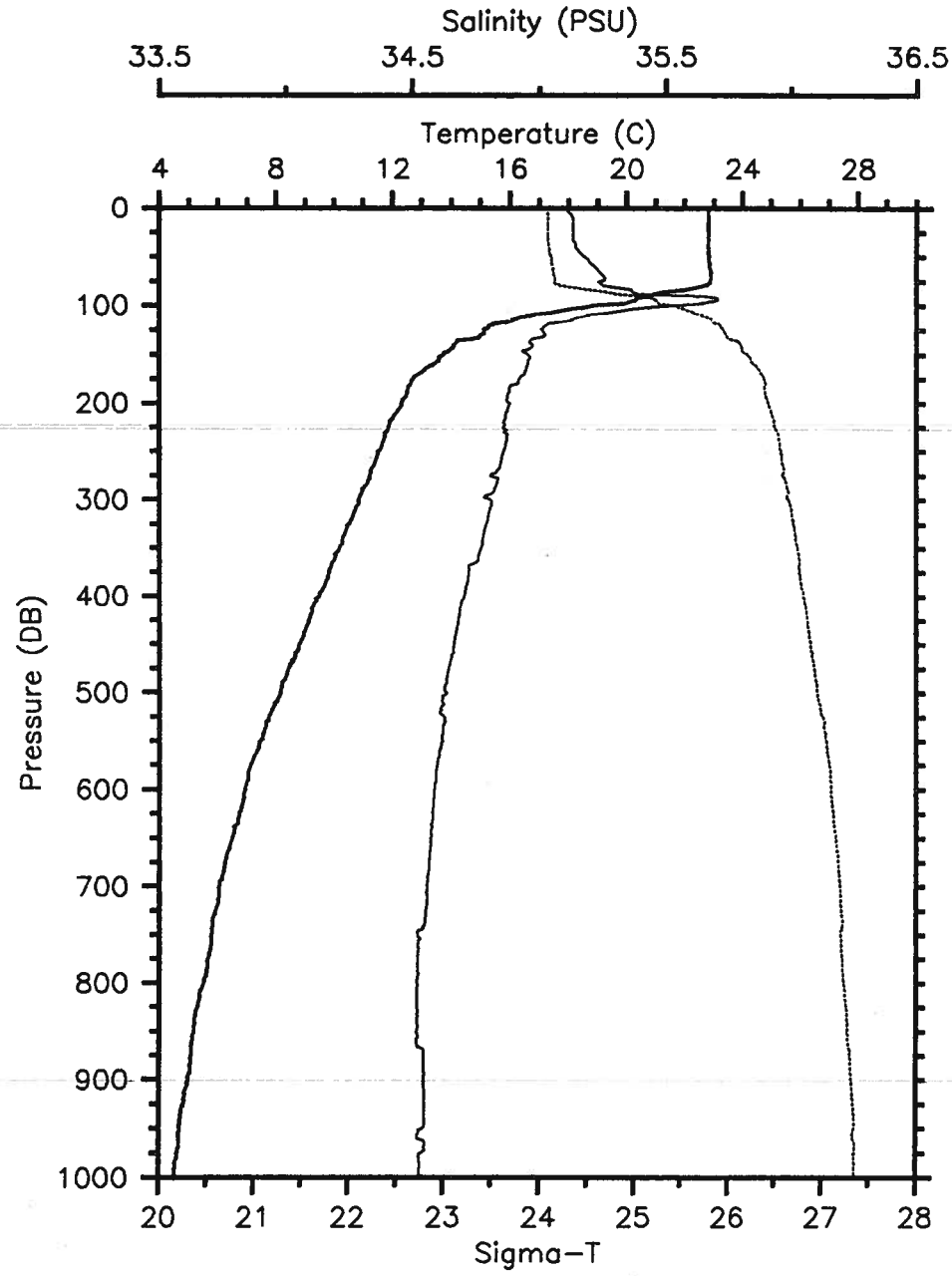


Prs	Tem	Sal	SigT
0	22.73	35.018	24.03
10	22.74	35.018	24.02
20	22.74	35.018	24.02
30	22.70	35.028	24.04
40	22.69	35.104	24.10
50	22.74	35.192	24.16
60	22.64	35.275	24.25
70	22.35	35.264	24.32
80	20.07	35.422	25.07
90	19.28	35.532	25.36
100	16.14	35.119	25.81
110	14.63	35.006	26.06
120	14.22	34.979	26.13
130	14.13	34.975	26.14
140	13.98	34.994	26.19
150	13.70	34.990	26.24
160	13.35	34.979	26.31
170	13.02	34.954	26.35
180	12.72	34.939	26.40
190	12.48	34.924	26.44
200	12.31	34.919	26.47
210	12.03	34.890	26.50
220	11.89	34.879	26.52
230	11.79	34.872	26.53
240	11.67	34.864	26.55
250	11.49	34.854	26.57
260	11.44	34.850	26.58
270	11.23	34.838	26.61
280	11.07	34.828	26.63
290	10.98	34.824	26.64
300	10.87	34.816	26.66
350	10.10	34.767	26.75
400	9.52	34.730	26.82
450	9.02	34.701	26.88
500	8.44	34.667	26.95
550	7.71	34.626	27.02
600	6.88	34.588	27.11
650	6.52	34.571	27.15
700	6.16	34.561	27.19
750	5.87	34.554	27.22
800	5.53	34.550	27.26
850	5.26	34.548	27.29
900	5.04	34.548	27.31
950	4.78	34.549	27.34
1000	4.53	34.553	27.37

EPOCS EP4-85-RS CTD 21 RESEARCHER

Date 11 13 85 Latitude 5.511 S

Time 0838 Z Longitude 109.982 W

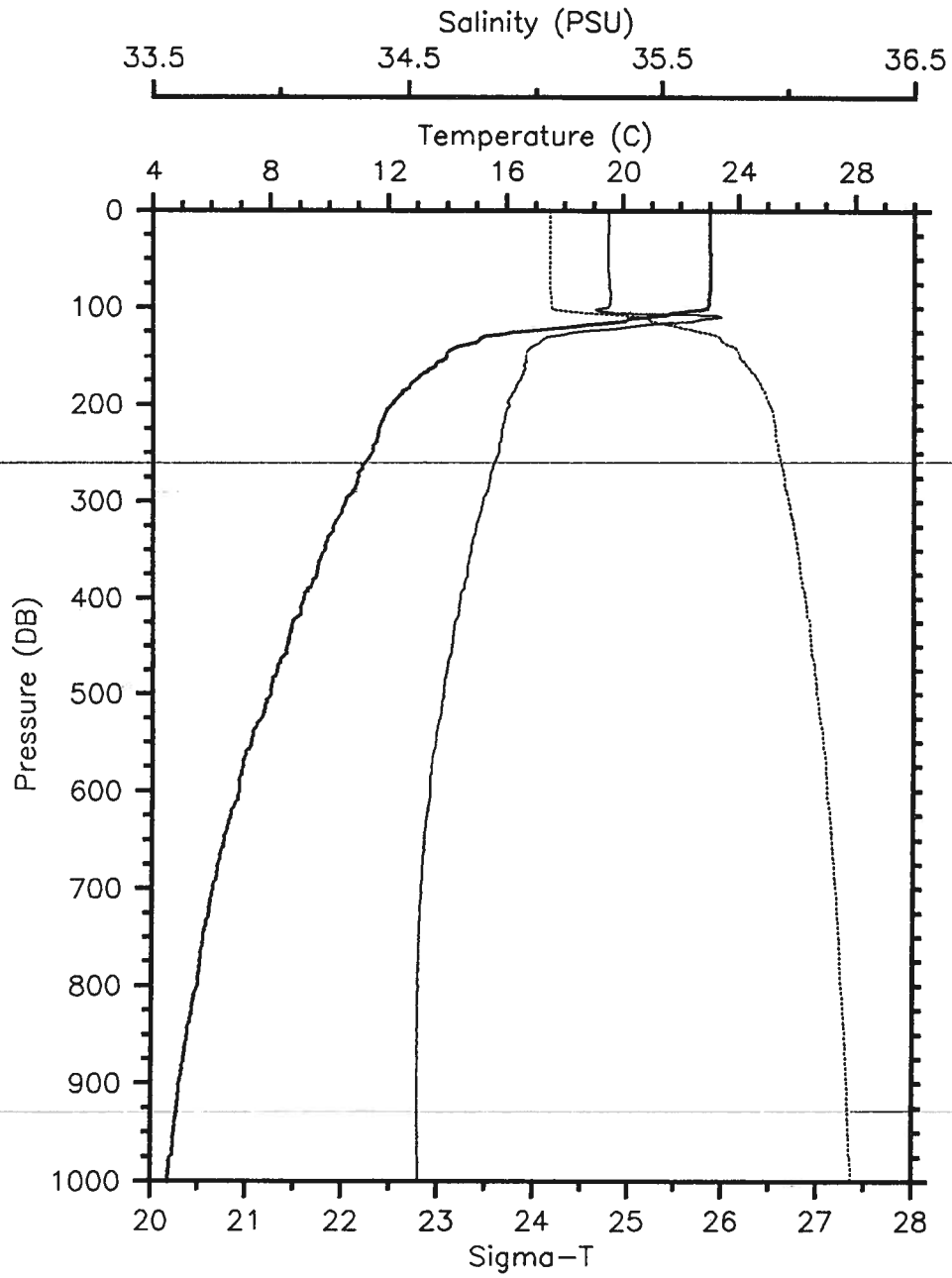


Prs	Tem	Sal	SigT
0	22.81	35.112	24.08
10	22.81	35.131	24.09
20	22.81	35.131	24.09
30	22.81	35.131	24.09
40	22.82	35.142	24.10
50	22.83	35.179	24.12
60	22.87	35.218	24.14
70	22.91	35.256	24.16
80	22.61	35.254	24.24
90	20.76	35.658	25.06
100	18.84	35.523	25.46
110	16.81	35.195	25.71
120	15.32	35.024	25.92
130	15.02	35.024	25.99
140	14.11	34.974	26.14
150	13.73	34.955	26.21
160	13.41	34.955	26.28
170	12.92	34.942	26.37
180	12.64	34.917	26.40
190	12.51	34.879	26.40
200	12.31	34.885	26.44
210	12.14	34.870	26.46
220	11.93	34.861	26.49
230	11.79	34.861	26.52
240	11.69	34.870	26.55
250	11.55	34.861	26.57
260	11.43	34.849	26.58
270	11.28	34.836	26.60
280	11.20	34.838	26.61
290	10.98	34.824	26.64
300	10.86	34.808	26.65
350	10.20	34.772	26.74
400	9.49	34.705	26.81
450	8.82	34.665	26.88
500	8.18	34.638	26.96
550	7.46	34.622	27.06
600	6.93	34.589	27.10
650	6.50	34.573	27.15
700	6.04	34.560	27.20
750	5.78	34.525	27.20
800	5.51	34.523	27.24
850	5.18	34.521	27.27
900	4.98	34.549	27.32
950	4.69	34.546	27.35
1000	4.53	34.534	27.36

EPOCS EP4-85-RS CTD 22 RESEARCHER

Date 11 13 85 Latitude 6.002 S

Time 1209 Z Longitude 110.003 W

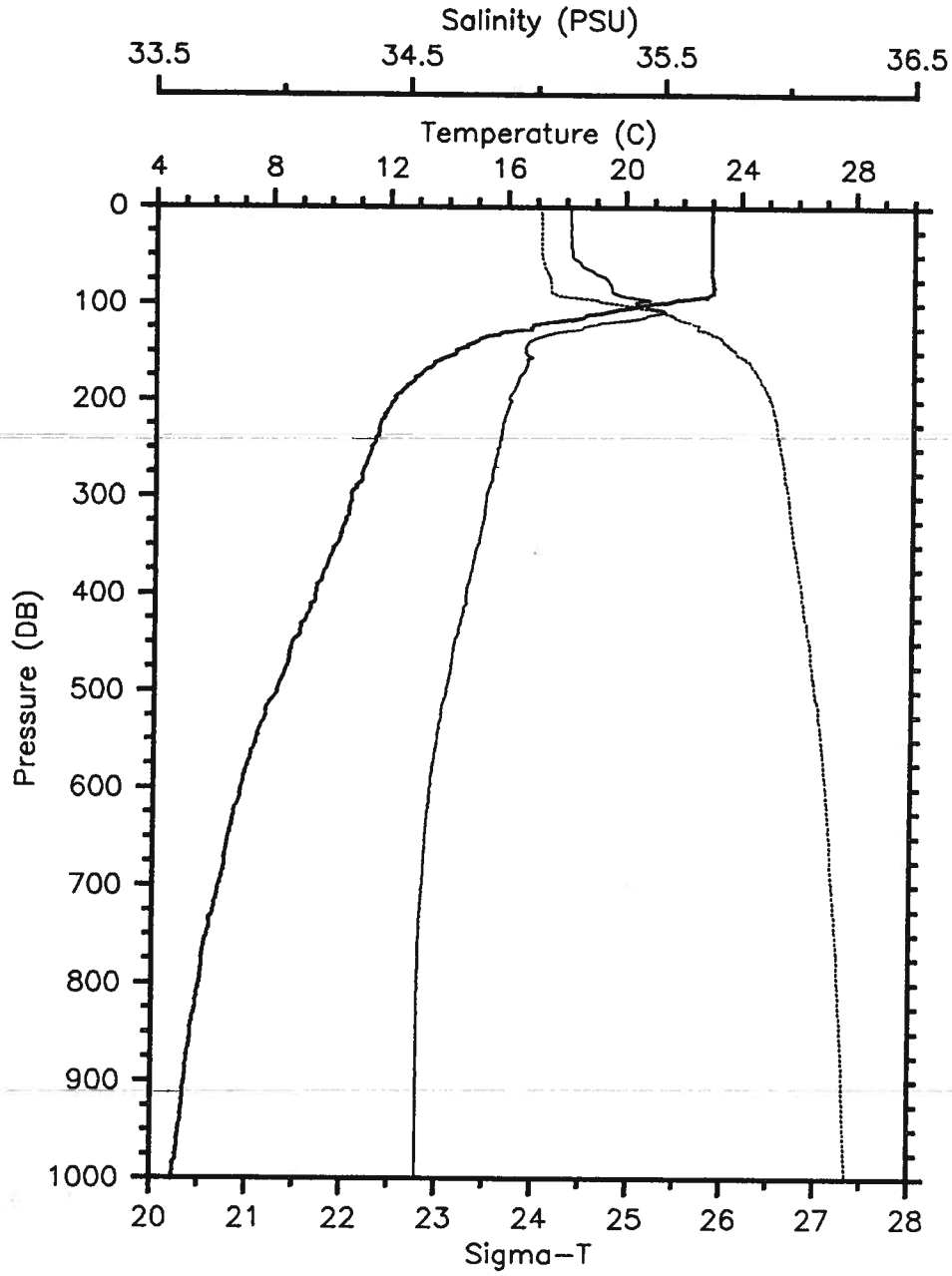


Prs	Tem	Sal	SigT
0	23.02	35.288	24.15
10	23.01	35.288	24.15
20	23.01	35.289	24.15
30	23.01	35.288	24.15
40	23.02	35.288	24.15
50	23.02	35.288	24.15
60	23.02	35.288	24.15
70	23.03	35.291	24.15
80	23.03	35.292	24.15
90	23.00	35.296	24.16
100	22.95	35.286	24.17
110	20.94	35.740	25.08
120	18.18	35.366	25.51
130	15.27	35.049	25.95
140	14.41	34.990	26.09
150	13.98	34.963	26.16
160	13.62	34.955	26.23
170	13.11	34.943	26.33
180	12.73	34.925	26.39
190	12.41	34.905	26.44
200	12.12	34.898	26.49
210	11.89	34.882	26.52
220	11.76	34.873	26.54
230	11.68	34.868	26.55
240	11.59	34.858	26.56
250	11.46	34.855	26.58
260	11.23	34.838	26.61
270	11.02	34.824	26.64
280	10.96	34.820	26.64
290	10.81	34.809	26.66
300	10.58	34.795	26.69
350	9.87	34.751	26.78
400	9.15	34.707	26.86
450	8.59	34.674	26.93
500	8.04	34.643	26.99
550	7.39	34.612	27.06
600	6.97	34.591	27.10
650	6.47	34.570	27.15
700	6.09	34.558	27.19
750	5.77	34.552	27.23
800	5.57	34.550	27.25
850	5.23	34.547	27.29
900	4.97	34.547	27.32
950	4.79	34.550	27.34
1000	4.58	34.553	27.37

EPOCS EP4-85-RS CTD 23 RESEARCHER

Date 11 13 85 Latitude 6.490 S

Time 1509 Z Longitude 109.993 W

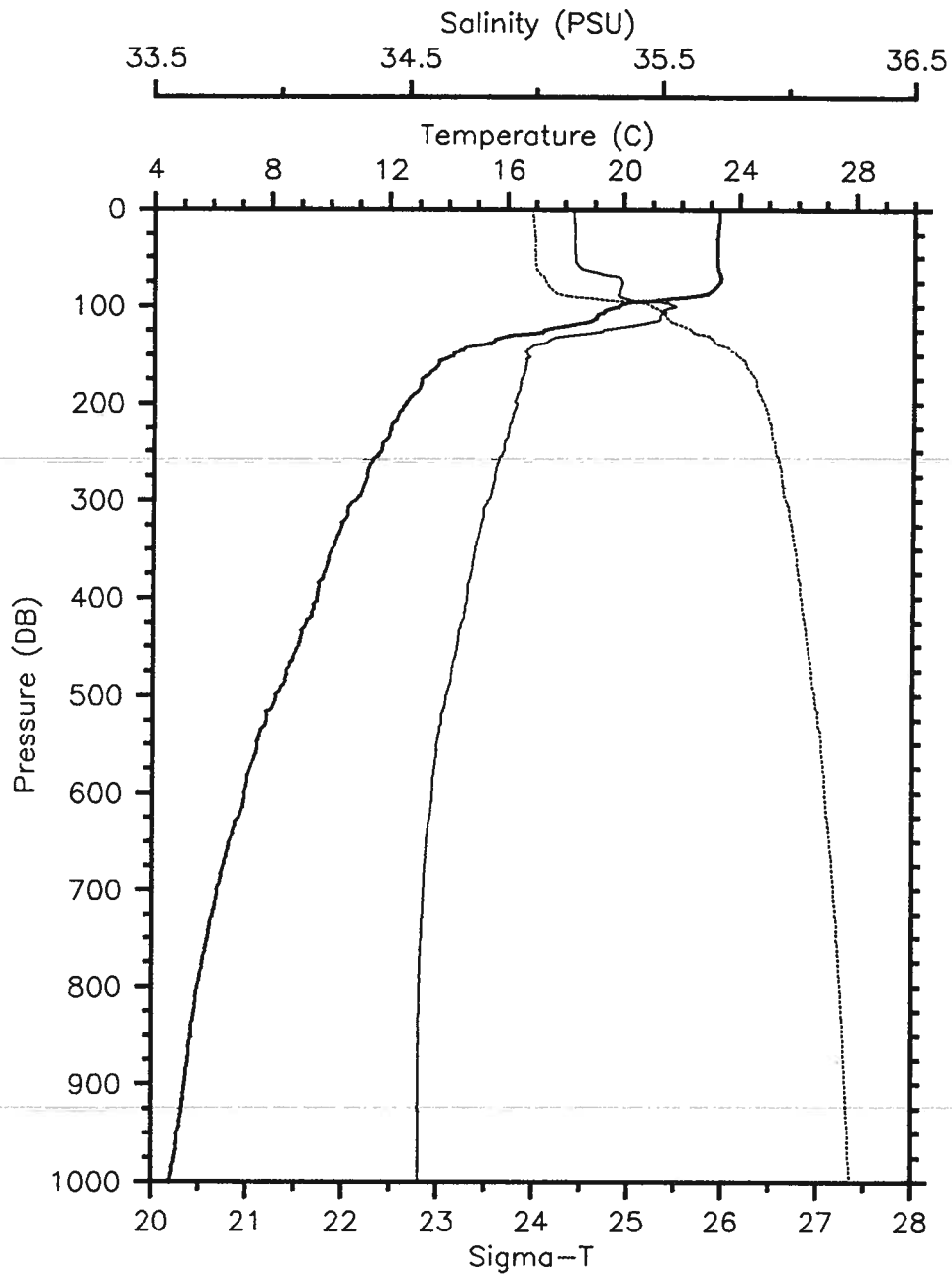


Prs	Tem	Sal	SigT
0	22.99	35.130	24.04
10	22.98	35.129	24.04
20	22.98	35.131	24.04
30	22.98	35.131	24.04
40	22.98	35.132	24.04
50	22.98	35.138	24.04
60	22.99	35.172	24.07
70	23.00	35.234	24.11
80	23.04	35.287	24.14
90	22.95	35.316	24.19
100	20.87	35.391	24.83
110	19.20	35.485	25.34
120	17.30	35.254	25.64
130	15.84	35.073	25.84
140	14.90	34.968	25.97
150	14.27	34.955	26.10
160	13.57	34.965	26.25
170	13.15	34.952	26.33
180	12.82	34.928	26.37
190	12.44	34.911	26.44
200	12.15	34.902	26.48
210	11.95	34.886	26.51
220	11.76	34.874	26.54
230	11.65	34.866	26.55
240	11.53	34.862	26.57
250	11.38	34.848	26.59
260	11.25	34.841	26.61
270	11.13	34.832	26.62
280	11.05	34.827	26.63
290	10.87	34.816	26.66
300	10.71	34.804	26.68
350	10.20	34.772	26.74
400	9.50	34.729	26.82
450	8.72	34.685	26.92
500	8.22	34.654	26.97
550	7.50	34.618	27.05
600	6.98	34.592	27.10
650	6.56	34.577	27.15
700	6.26	34.566	27.18
750	5.88	34.555	27.22
800	5.62	34.551	27.25
850	5.33	34.549	27.28
900	5.14	34.549	27.30
950	4.95	34.548	27.32
1000	4.73	34.550	27.35

EPOCS EP4-85-RS CTD 24 RESEARCHER

Date 11 13 85 Latitude 6.991 S

Time 1907 Z Longitude 109.986 W

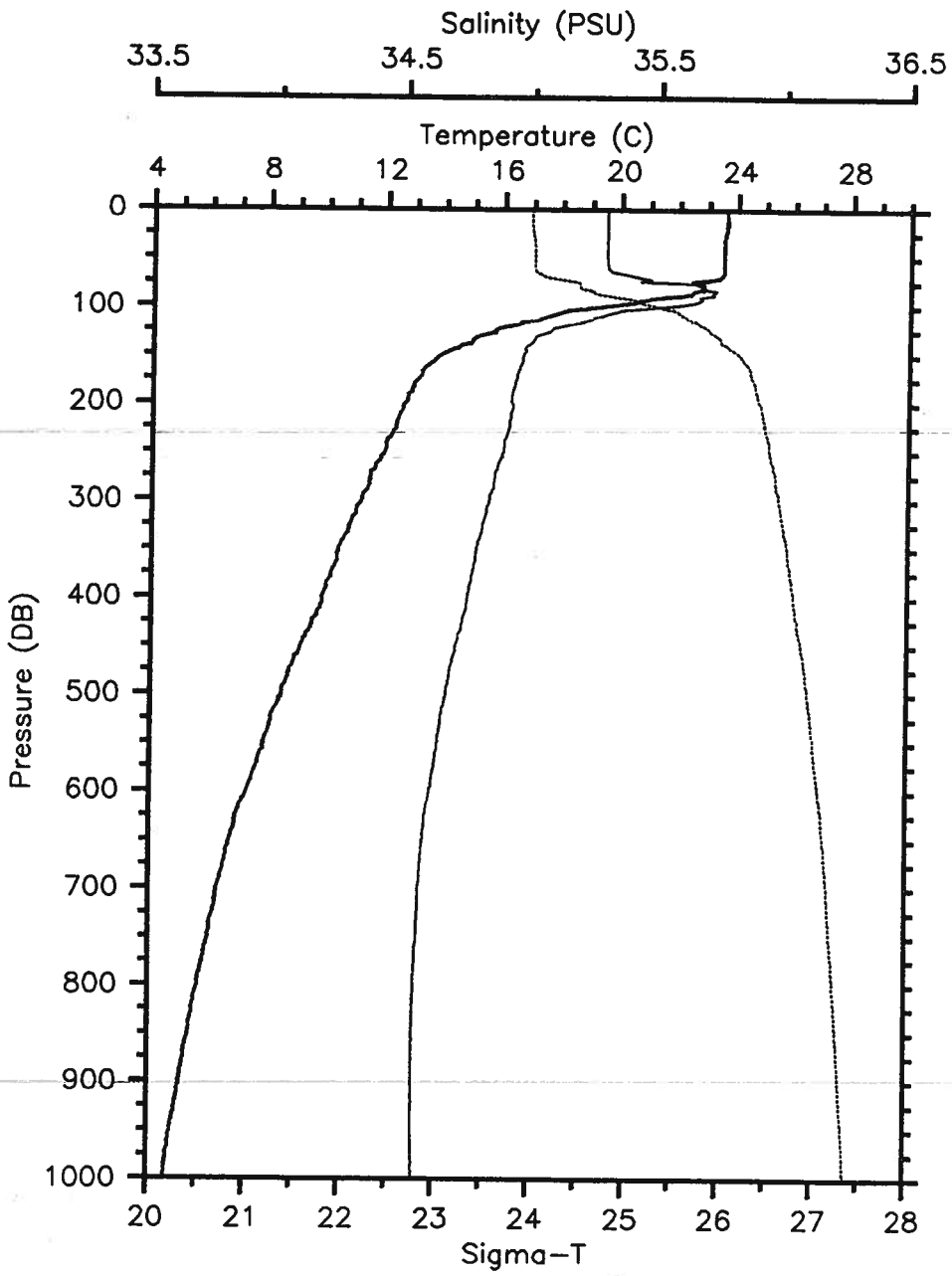


Prs	Tem	Sal	SigT
0	23.30	35.148	23.96
10	23.29	35.149	23.96
20	23.25	35.152	23.98
30	23.23	35.151	23.98
40	23.22	35.152	23.99
50	23.23	35.155	23.99
60	23.25	35.171	23.99
70	23.36	35.326	24.08
80	23.18	35.336	24.14
90	22.28	35.330	24.39
100	19.86	35.554	25.22
110	19.10	35.491	25.37
120	18.01	35.377	25.56
130	16.12	35.138	25.83
140	15.10	34.995	25.95
150	14.18	34.967	26.12
160	13.66	34.961	26.23
170	13.34	34.953	26.29
180	13.06	34.941	26.34
190	12.85	34.930	26.37
200	12.57	34.926	26.42
210	12.33	34.911	26.46
220	12.14	34.900	26.48
230	12.03	34.892	26.50
240	11.80	34.877	26.53
250	11.74	34.872	26.54
260	11.45	34.853	26.58
270	11.29	34.842	26.60
280	11.23	34.838	26.61
290	11.11	34.828	26.62
300	10.88	34.813	26.65
350	10.09	34.766	26.75
400	9.59	34.734	26.81
450	8.94	34.696	26.89
500	8.22	34.653	26.97
550	7.57	34.620	27.04
600	7.16	34.601	27.08
650	6.64	34.579	27.14
700	6.24	34.566	27.18
750	5.91	34.557	27.21
800	5.57	34.551	27.25
850	5.34	34.548	27.28
900	5.13	34.549	27.30
950	4.88	34.548	27.33
1000	4.65	34.550	27.36

EPOCS EP4-85-RS CTD 25 RESEARCHER

Date 11 13 85 Latitude 7.505 S

Time 2246 Z Longitude 110.002 W

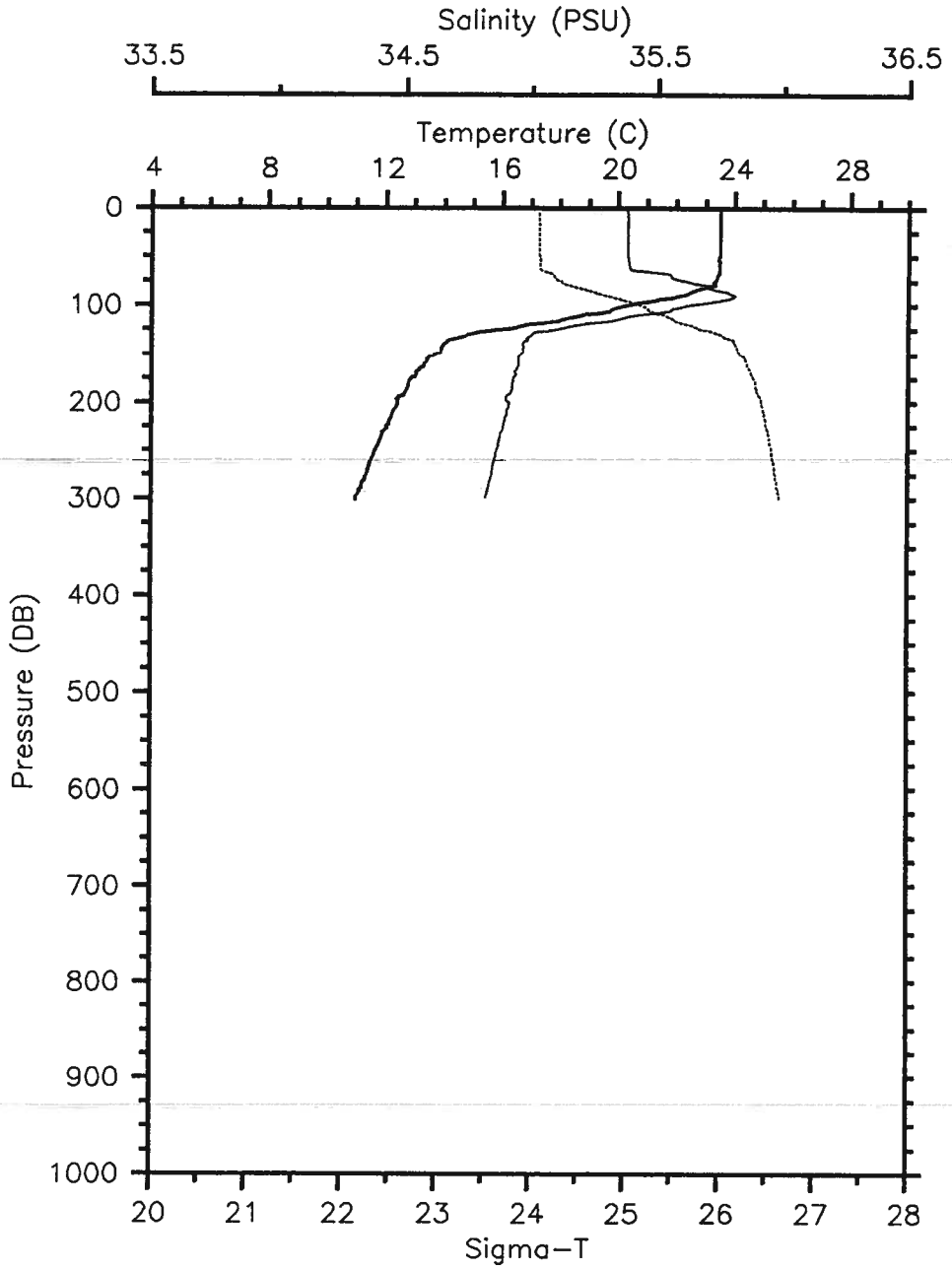


Prs	Tem	Sal	SigT
0	23.61	35.287	23.97
10	23.62	35.287	23.97
20	23.60	35.287	23.98
30	23.53	35.287	24.00
40	23.51	35.287	24.00
50	23.51	35.288	24.01
60	23.51	35.292	24.01
70	23.39	35.420	24.14
80	22.84	35.671	24.49
90	21.44	35.657	24.87
100	19.40	35.516	25.31
110	17.57	35.274	25.59
120	16.16	35.116	25.80
130	15.20	35.017	25.94
140	14.57	34.981	26.05
150	13.87	34.963	26.19
160	13.46	34.955	26.27
170	13.18	34.940	26.31
180	12.94	34.931	26.35
190	12.77	34.920	26.38
200	12.62	34.925	26.41
210	12.47	34.917	26.43
220	12.35	34.911	26.45
230	12.22	34.903	26.47
240	12.01	34.891	26.50
250	11.96	34.887	26.51
260	11.73	34.871	26.54
270	11.50	34.857	26.57
280	11.43	34.852	26.58
290	11.33	34.843	26.59
300	11.17	34.833	26.61
350	10.40	34.783	26.71
400	9.85	34.749	26.78
450	9.12	34.704	26.87
500	8.49	34.666	26.94
550	7.88	34.635	27.01
600	7.32	34.607	27.07
650	6.74	34.579	27.12
700	6.30	34.562	27.17
750	6.03	34.557	27.20
800	5.68	34.549	27.24
850	5.35	34.544	27.27
900	5.08	34.543	27.30
950	4.78	34.544	27.34
1000	4.57	34.547	27.36

EPOCS EP4-85-RS CTD 26 RESEARCHER

Date 11 14 85 Latitude 7.990 S

Time 0116 Z Longitude 110.013 W

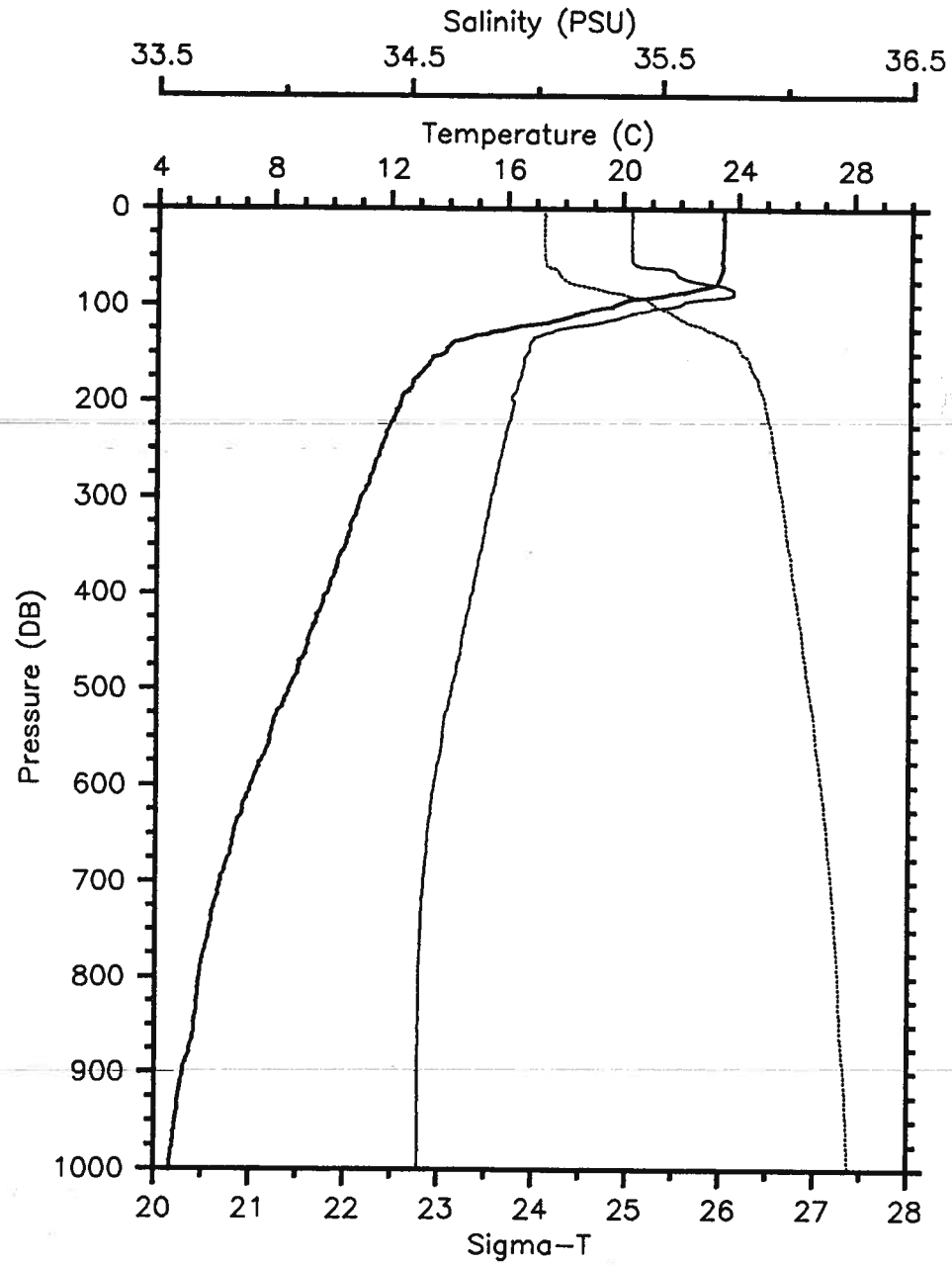


Prs	Tem	Sal	SigT
0	23.49	35.381	24.08
10	23.50	35.383	24.08
20	23.50	35.383	24.08
30	23.50	35.383	24.08
40	23.50	35.383	24.08
50	23.47	35.384	24.09
60	23.46	35.390	24.10
70	23.41	35.556	24.24
80	23.25	35.728	24.42
90	22.12	35.809	24.80
100	20.28	35.619	25.16
110	18.82	35.433	25.40
120	16.85	35.188	25.70
130	14.84	35.006	26.01
140	14.01	34.967	26.16
150	13.72	34.960	26.22
160	13.33	34.948	26.29
170	13.05	34.939	26.34
180	12.78	34.925	26.38
190	12.64	34.919	26.40
200	12.40	34.913	26.45
210	12.25	34.903	26.47
220	12.12	34.894	26.49
230	11.92	34.883	26.51
240	11.80	34.872	26.53
250	11.64	34.862	26.55
260	11.51	34.854	26.57
270	11.40	34.846	26.58
280	11.29	34.838	26.60
290	11.13	34.828	26.62
300	10.98	34.819	26.64

EPOCS EP4-85-RS CTD 27 RESEARCHER

Date 11 14 85 Latitude 7.988 S

Time 0214 Z Longitude 109.995 W

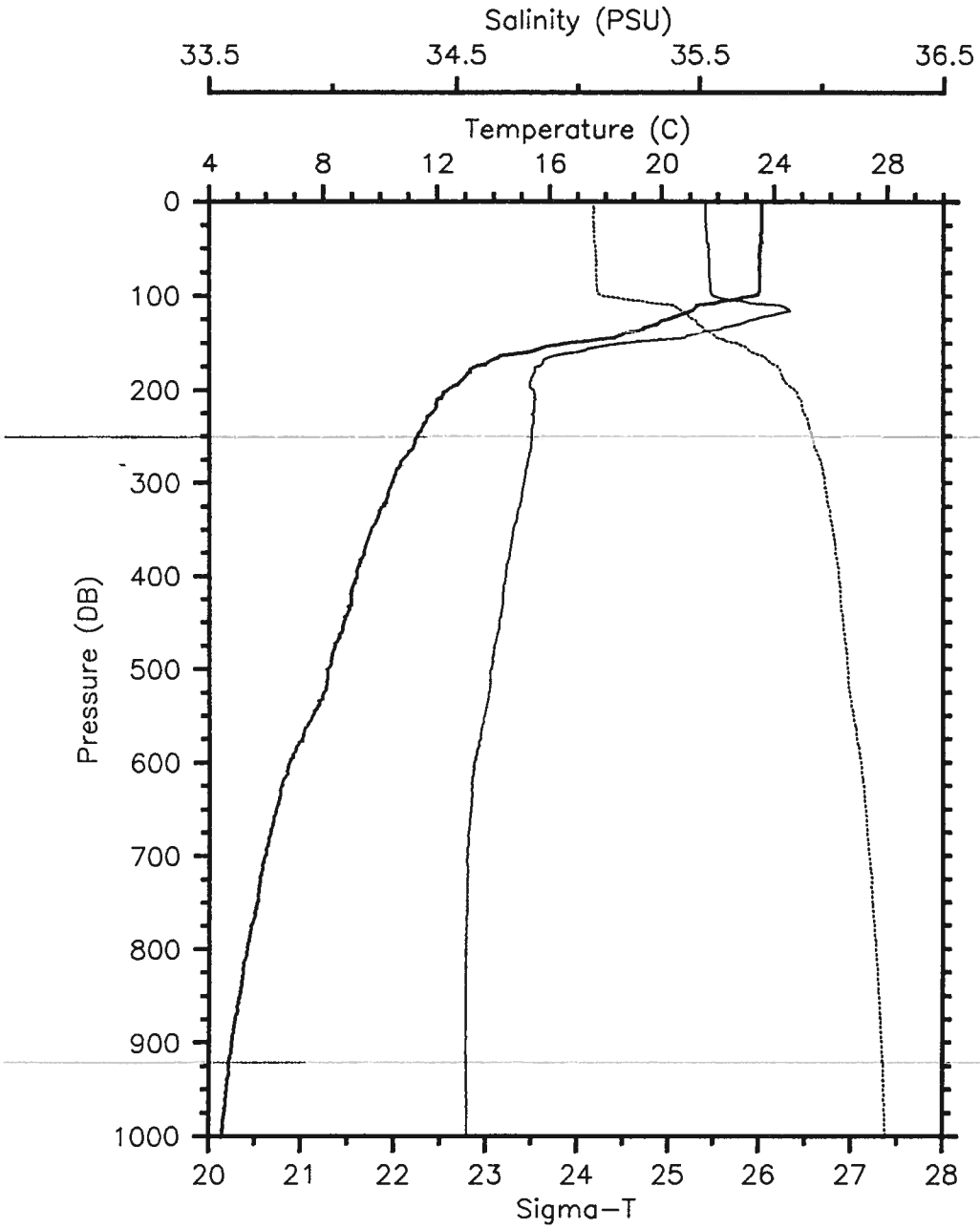


Prs	Tem	Sal	SigT
0	23.49	35.382	24.08
10	23.49	35.382	24.08
20	23.49	35.382	24.08
30	23.50	35.382	24.08
40	23.49	35.383	24.08
50	23.47	35.383	24.09
60	23.47	35.416	24.11
70	23.38	35.568	24.26
80	23.10	35.754	24.48
90	21.41	35.779	24.98
100	19.75	35.574	25.27
110	18.36	35.374	25.47
120	16.99	35.219	25.69
130	15.32	35.033	25.93
140	14.11	34.978	26.15
150	13.86	34.968	26.19
160	13.35	34.954	26.29
170	13.09	34.945	26.33
180	12.81	34.932	26.38
190	12.66	34.923	26.40
200	12.38	34.916	26.45
210	12.27	34.908	26.47
220	12.13	34.900	26.49
230	11.91	34.887	26.52
240	11.81	34.880	26.53
250	11.68	34.871	26.55
260	11.53	34.860	26.57
270	11.44	34.853	26.58
280	11.32	34.844	26.60
290	11.20	34.836	26.61
300	11.00	34.825	26.64
350	10.49	34.791	26.70
400	9.85	34.750	26.78
450	9.21	34.710	26.86
500	8.55	34.672	26.93
550	7.91	34.636	27.00
600	7.25	34.603	27.07
650	6.68	34.579	27.13
700	6.22	34.564	27.18
750	5.86	34.554	27.22
800	5.52	34.548	27.26
850	5.33	34.546	27.28
900	4.96	34.545	27.32
950	4.71	34.548	27.35
1000	4.52	34.549	27.37

EPOCS EP4-85-RS CTD 28 RESEARCHER

Date 11 15 85 Latitude 8.992 S

Time 0146 Z Longitude 110.002 W

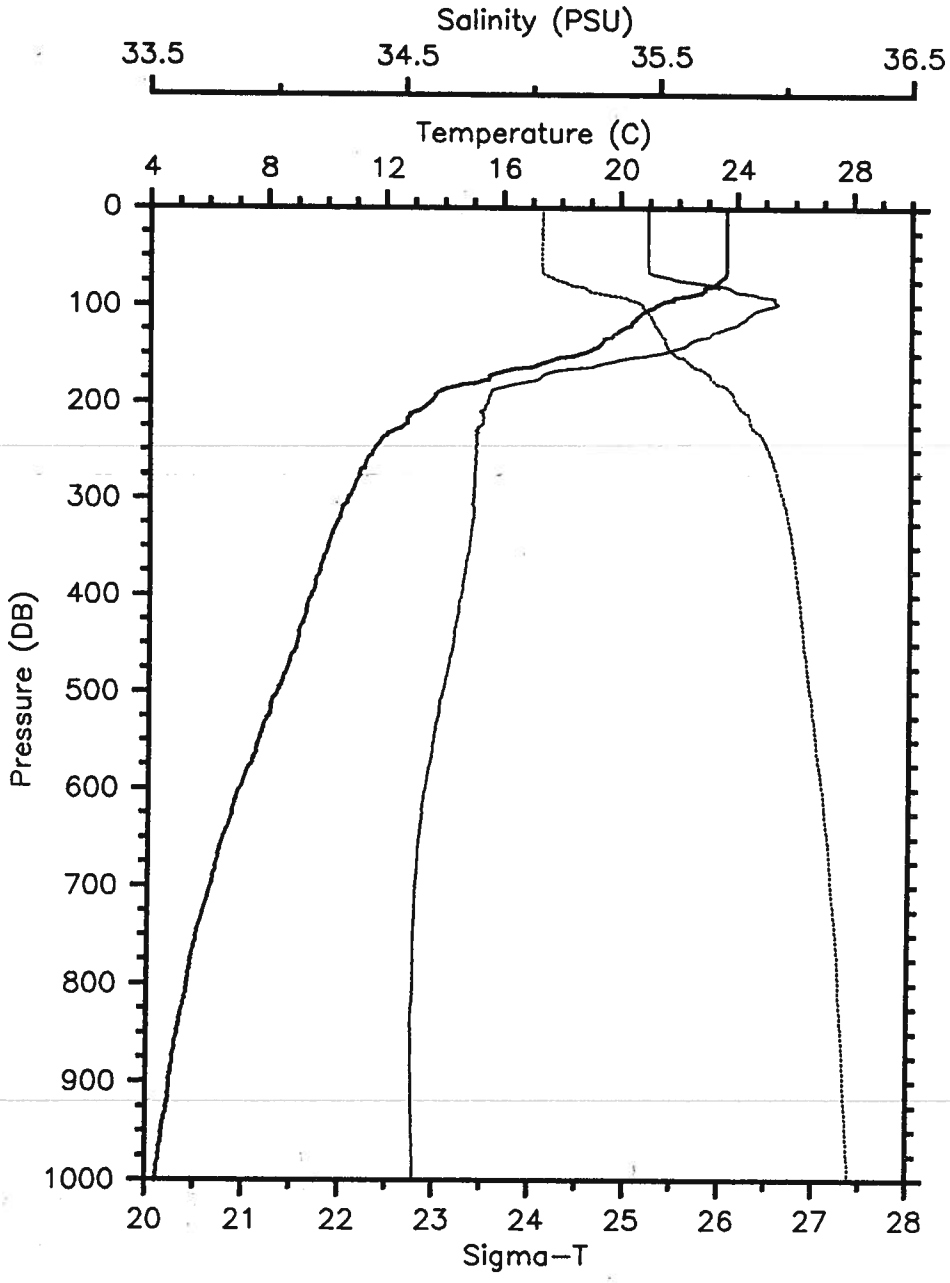


Prs	Tem	Sal	SigT
0	23.56	35.527	24.17
10	23.56	35.527	24.17
20	23.56	35.527	24.17
30	23.56	35.528	24.17
40	23.55	35.532	24.18
50	23.51	35.540	24.20
60	23.50	35.540	24.20
70	23.50	35.541	24.20
80	23.49	35.542	24.20
90	23.49	35.547	24.21
100	23.30	35.556	24.27
110	21.30	35.826	25.04
120	20.64	35.808	25.21
130	19.85	35.669	25.31
140	18.66	35.494	25.49
150	16.62	35.188	25.75
160	15.25	34.995	25.91
170	13.84	34.858	26.11
180	13.19	34.824	26.22
190	12.87	34.809	26.27
200	12.38	34.820	26.38
210	12.05	34.827	26.45
220	11.95	34.821	26.46
230	11.67	34.820	26.51
240	11.50	34.814	26.54
250	11.34	34.812	26.57
260	11.19	34.810	26.59
270	10.94	34.801	26.63
280	10.71	34.794	26.67
290	10.54	34.787	26.69
300	10.43	34.779	26.71
350	9.69	34.735	26.80
400	9.18	34.705	26.86
450	8.75	34.681	26.91
500	8.18	34.646	26.97
550	7.65	34.616	27.02
600	6.83	34.577	27.11
650	6.37	34.564	27.16
700	5.98	34.549	27.20
750	5.70	34.547	27.23
800	5.35	34.544	27.27
850	5.07	34.543	27.31
900	4.80	34.544	27.34
950	4.62	34.546	27.36
1000	4.46	34.548	27.38

EPOCS EP4–85–RS CTD 29 RESEARCHER

Date 11 15 85 Latitude 10.009 S

Time 0738 Z Longitude 109.967 W

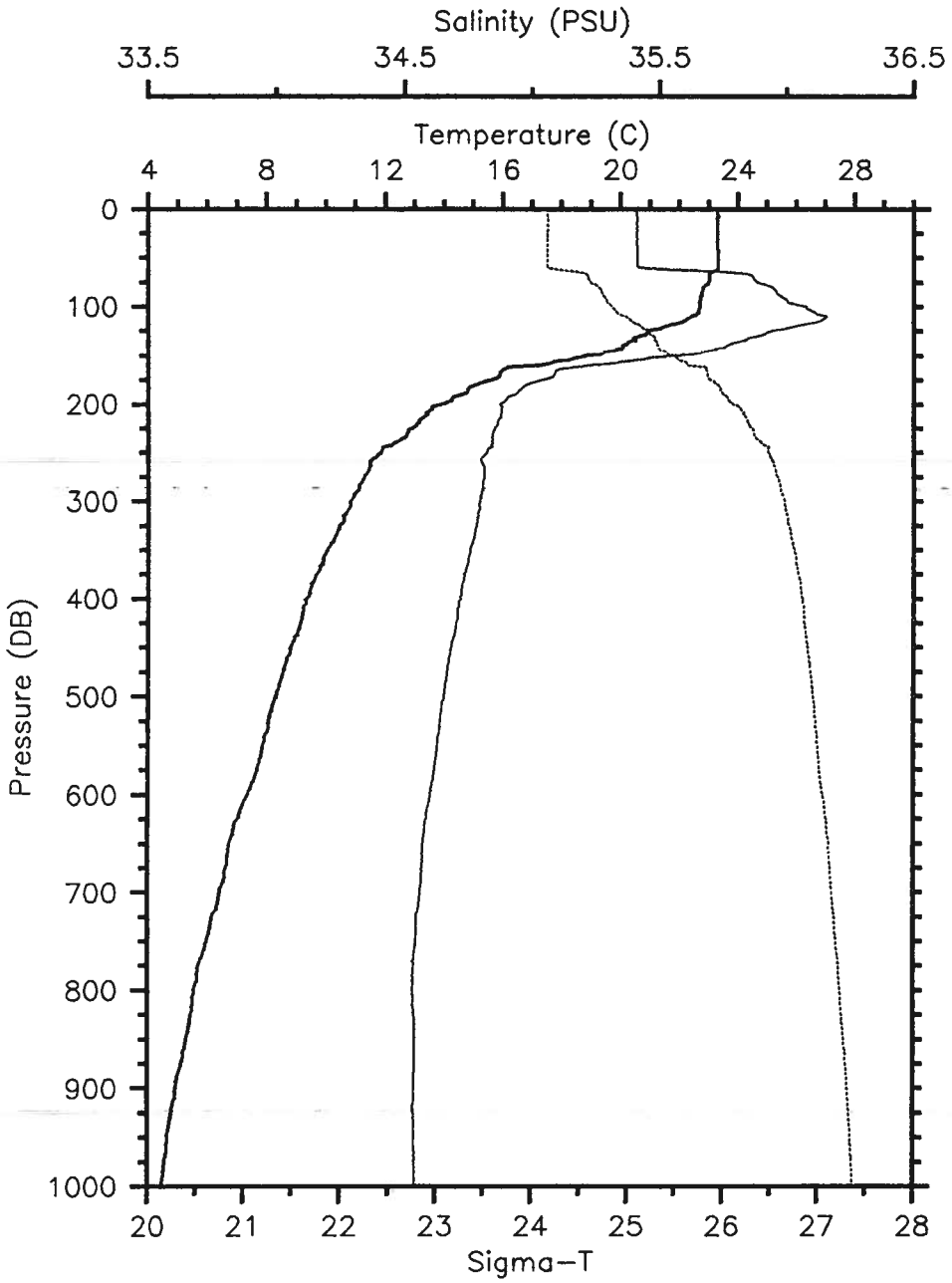


Prs	Tem	Sal	SigT
0	23.62	35.455	24.10
10	23.62	35.455	24.10
20	23.62	35.454	24.10
30	23.63	35.454	24.10
40	23.63	35.455	24.10
50	23.63	35.455	24.10
60	23.63	35.456	24.10
70	23.55	35.507	24.16
80	23.32	35.746	24.41
90	22.24	35.894	24.83
100	21.24	35.954	25.16
110	20.68	35.857	25.23
120	20.36	35.807	25.28
130	19.79	35.701	25.35
140	19.35	35.614	25.40
150	18.59	35.484	25.50
160	17.32	35.284	25.66
170	15.77	35.057	25.85
180	15.08	34.960	25.92
190	13.81	34.837	26.10
200	13.52	34.828	26.16
210	13.01	34.794	26.23
220	12.75	34.806	26.29
230	12.26	34.777	26.37
240	11.84	34.781	26.45
250	11.58	34.780	26.50
260	11.35	34.777	26.54
270	11.16	34.776	26.57
280	11.04	34.775	26.59
290	10.90	34.769	26.61
300	10.72	34.770	26.65
350	10.03	34.754	26.75
400	9.49	34.722	26.82
450	9.01	34.693	26.88
500	8.36	34.653	26.95
550	7.72	34.618	27.01
600	7.06	34.585	27.08
650	6.53	34.562	27.14
700	6.11	34.549	27.18
750	5.65	34.544	27.24
800	5.36	34.543	27.27
850	5.04	34.537	27.30
900	4.79	34.539	27.33
950	4.55	34.544	27.36
1000	4.34	34.549	27.39

EPOCS EP4-85-RS CTD 30 RESEARCHER

Date 11 15 85 Latitude 11.000 S

Time 1351 Z Longitude 110.000 W

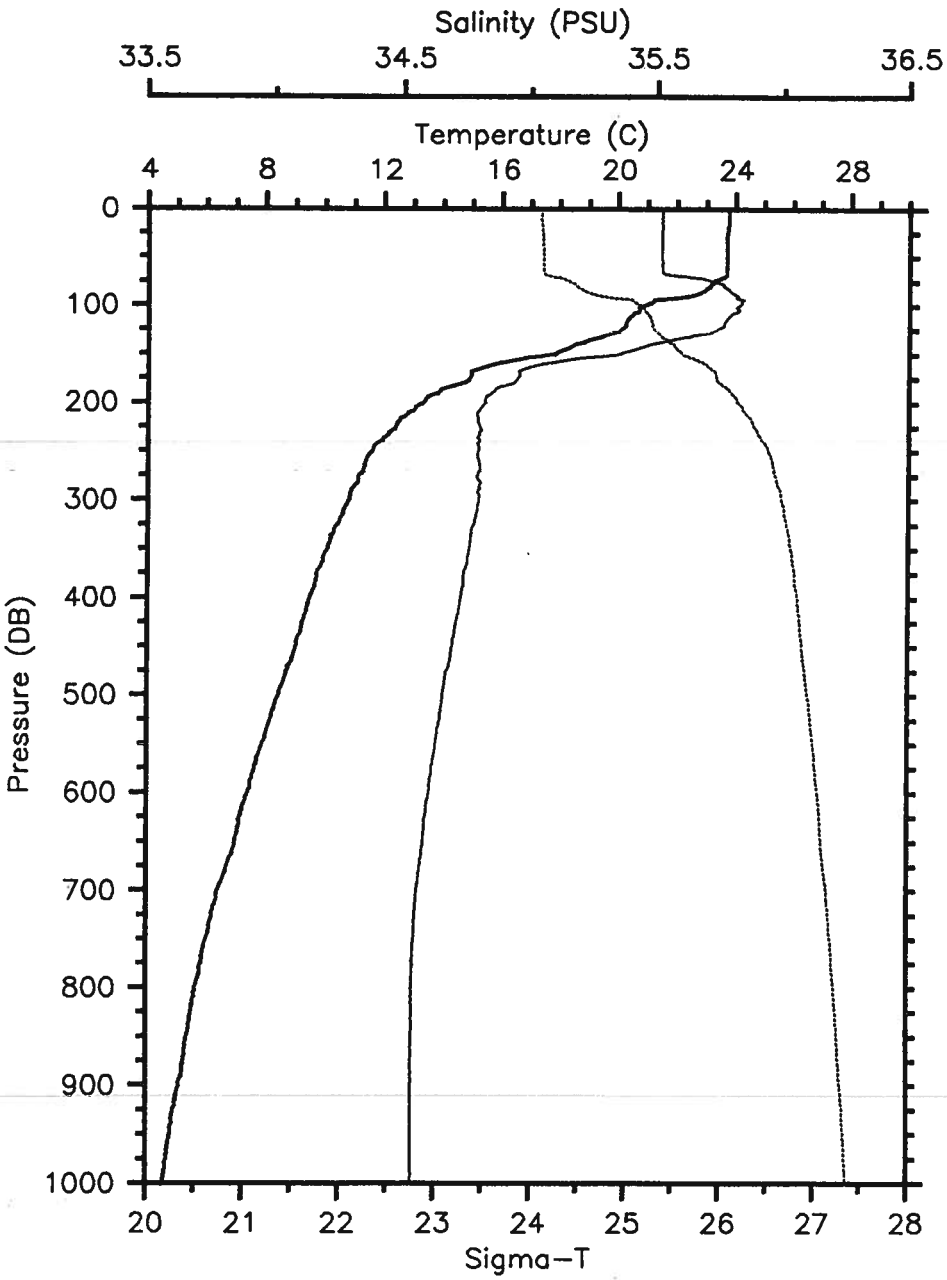


Prs	Tem	Sal	SigT
0	23.30	35.410	24.16
10	23.30	35.411	24.16
20	23.30	35.410	24.16
30	23.30	35.411	24.16
40	23.31	35.411	24.16
50	23.31	35.411	24.16
60	23.31	35.420	24.16
70	23.02	35.868	24.59
80	22.83	35.940	24.70
90	22.73	35.984	24.76
100	22.71	36.080	24.84
110	22.44	36.158	24.98
120	21.51	36.030	25.14
130	20.67	35.887	25.26
140	20.11	35.766	25.32
150	18.80	35.537	25.48
160	17.22	35.221	25.63
170	15.90	35.085	25.84
180	15.06	34.978	25.94
190	14.62	34.935	26.01
200	13.88	34.873	26.12
210	13.44	34.877	26.21
220	13.11	34.866	26.27
230	12.75	34.846	26.32
240	12.30	34.845	26.41
250	11.86	34.822	26.48
260	11.52	34.804	26.53
270	11.42	34.812	26.55
280	11.22	34.806	26.58
290	11.06	34.802	26.61
300	10.84	34.797	26.65
350	10.06	34.759	26.75
400	9.34	34.720	26.84
450	8.82	34.683	26.90
500	8.34	34.654	26.95
550	7.89	34.630	27.00
600	7.38	34.604	27.05
650	6.77	34.574	27.11
700	6.44	34.562	27.15
750	6.01	34.545	27.19
800	5.57	34.535	27.24
850	5.30	34.542	27.28
900	4.95	34.539	27.32
950	4.68	34.540	27.35
1000	4.48	34.544	27.37

EPOCS EP4-85-RS CTD 31 RESEARCHER

Date 11 15 85 Latitude 12.003 S

Time 1906 Z Longitude 110.050 W

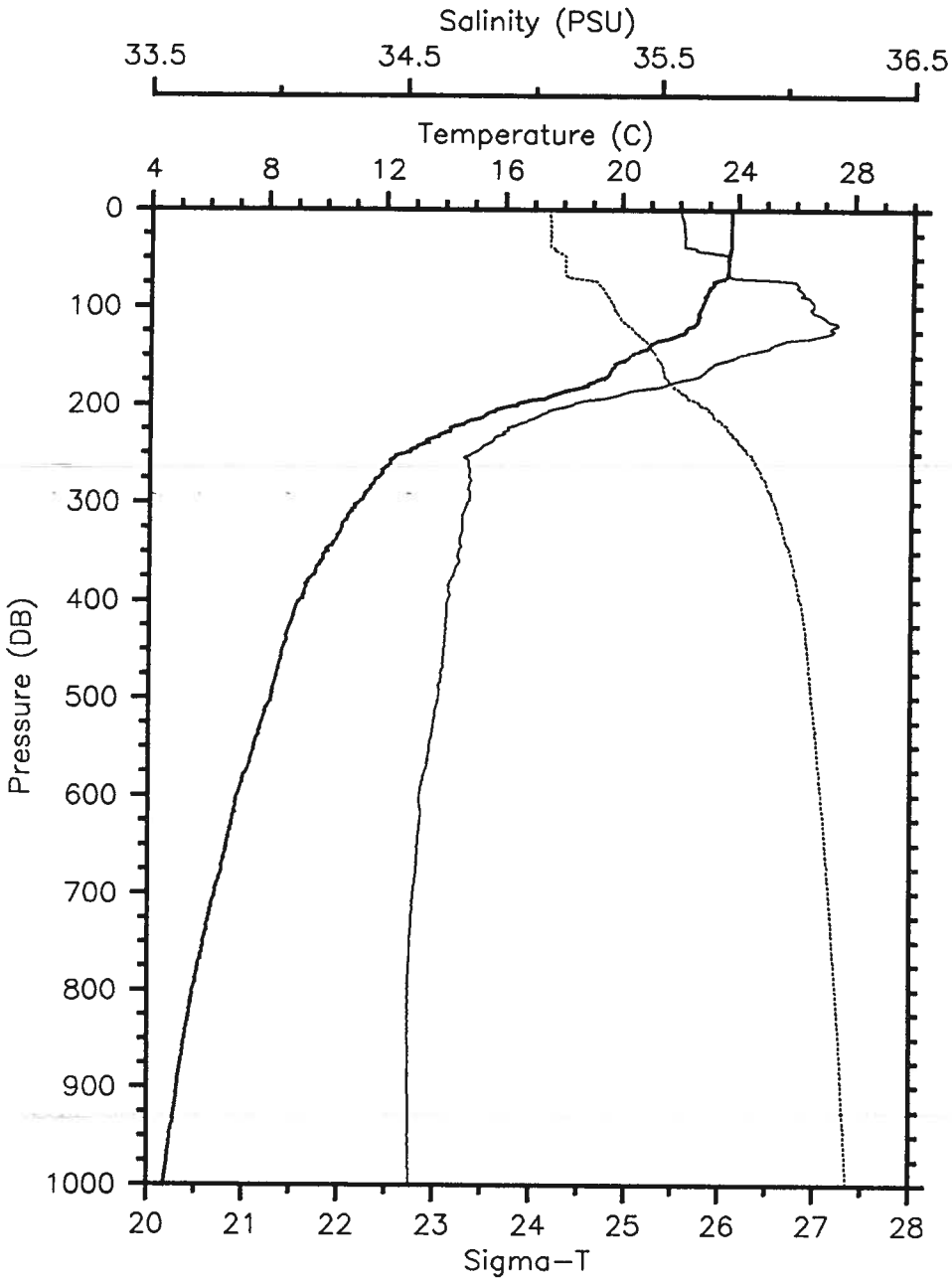


Prs	Tem	Sal	SigT
0	23.75	35.517	24.11
10	23.76	35.516	24.10
20	23.74	35.517	24.11
30	23.70	35.515	24.12
40	23.69	35.516	24.13
50	23.69	35.516	24.13
60	23.69	35.519	24.13
70	23.63	35.611	24.22
80	23.14	35.759	24.47
90	22.40	35.819	24.73
100	20.86	35.823	25.16
110	20.47	35.787	25.24
120	20.25	35.763	25.28
130	19.59	35.647	25.36
140	18.54	35.477	25.50
150	17.86	35.351	25.58
160	15.80	35.059	25.84
170	14.97	34.954	25.94
180	14.65	34.934	26.00
190	13.86	34.848	26.10
200	13.33	34.823	26.19
210	12.83	34.788	26.26
220	12.47	34.791	26.34
230	12.21	34.798	26.39
240	11.87	34.796	26.46
250	11.59	34.792	26.51
260	11.37	34.795	26.55
270	11.28	34.796	26.57
280	11.13	34.794	26.59
290	10.89	34.791	26.63
300	10.82	34.794	26.65
350	10.08	34.759	26.75
400	9.49	34.725	26.82
450	9.04	34.693	26.87
500	8.46	34.658	26.94
550	7.91	34.629	27.00
600	7.42	34.604	27.05
650	7.01	34.581	27.09
700	6.42	34.557	27.15
750	6.04	34.545	27.19
800	5.67	34.538	27.23
850	5.38	34.538	27.26
900	5.10	34.536	27.30
950	4.81	34.535	27.33
1000	4.55	34.537	27.36

EPOCS EP4-85-RS CTD 32 RESEARCHER

Date 11 16 85 Latitude 12.993 S

Time 0047 Z Longitude 110.023 W

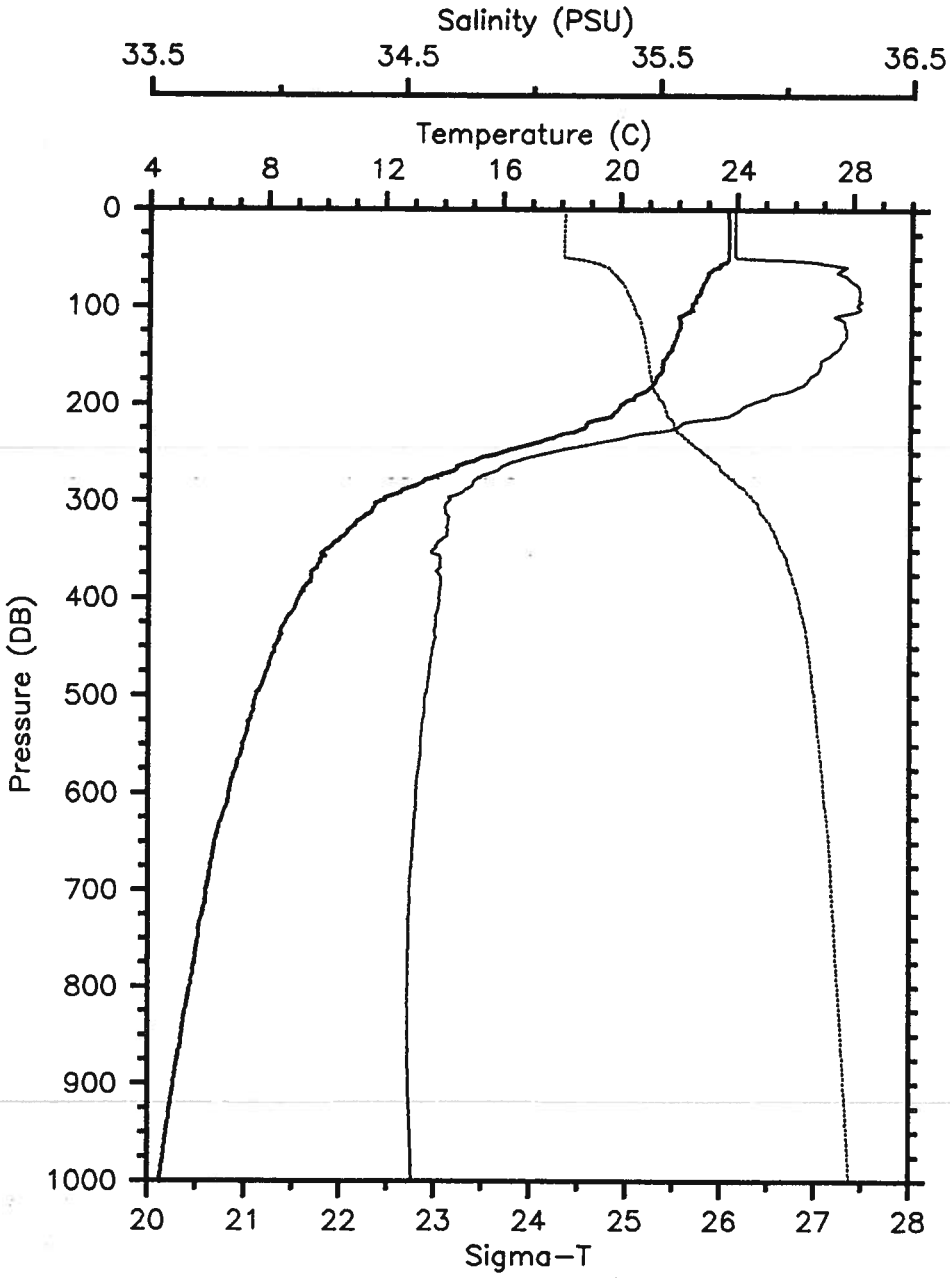


Prs	Tem	Sal	SigT
0	23.76	35.578	24.15
10	23.75	35.587	24.16
20	23.76	35.592	24.16
30	23.76	35.594	24.16
40	23.73	35.643	24.21
50	23.68	35.774	24.32
60	23.66	35.771	24.33
70	23.56	35.796	24.38
80	23.05	36.041	24.71
90	22.90	36.093	24.79
100	22.77	36.109	24.84
110	22.65	36.149	24.91
120	22.35	36.186	25.02
130	21.83	36.121	25.12
140	21.01	35.946	25.21
150	20.31	35.807	25.30
160	19.79	35.710	25.36
170	19.55	35.660	25.39
180	18.87	35.526	25.46
190	17.67	35.342	25.62
200	16.48	35.154	25.76
210	15.43	35.034	25.90
220	14.69	34.943	26.00
230	13.89	34.891	26.13
240	13.35	34.828	26.19
250	12.67	34.767	26.28
260	12.21	34.751	26.36
270	11.94	34.754	26.41
280	11.64	34.757	26.47
290	11.36	34.757	26.52
300	11.13	34.745	26.55
350	10.01	34.713	26.73
400	9.11	34.672	26.84
450	8.58	34.660	26.92
500	8.18	34.639	26.96
550	7.61	34.605	27.02
600	7.04	34.567	27.07
650	6.69	34.561	27.12
700	6.29	34.544	27.16
750	5.91	34.530	27.19
800	5.54	34.524	27.23
850	5.27	34.523	27.27
900	5.02	34.526	27.30
950	4.78	34.526	27.32
1000	4.58	34.532	27.35

EPOCS EP4-85-RS CTD 33 RESEARCHER

Date 11 16 85 Latitude 14.000 S

Time 0605 Z Longitude 110.000 W

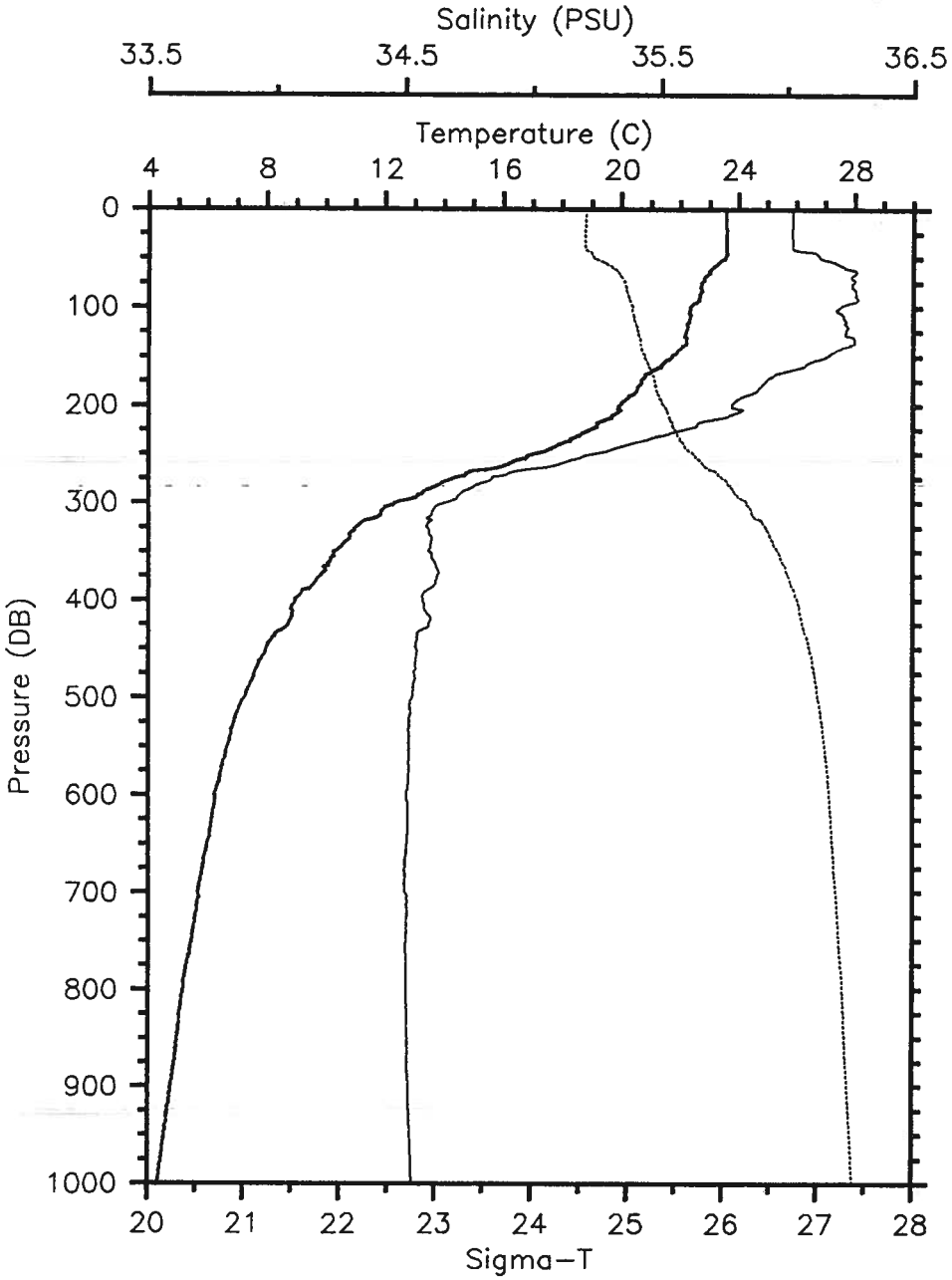


Prs	Tem	Sal	SigT
0	23.70	35.800	24.34
10	23.70	35.800	24.34
20	23.71	35.800	24.33
30	23.71	35.800	24.33
40	23.72	35.800	24.33
50	23.71	35.807	24.34
60	23.23	36.233	24.80
70	22.97	36.250	24.89
80	22.80	36.296	24.98
90	22.62	36.295	25.03
100	22.47	36.299	25.07
110	22.03	36.196	25.12
120	22.06	36.240	25.15
130	21.96	36.244	25.18
140	21.81	36.218	25.20
150	21.63	36.177	25.22
160	21.48	36.144	25.23
170	21.31	36.106	25.25
180	21.15	36.071	25.27
190	20.60	35.951	25.33
200	20.06	35.850	25.40
210	19.80	35.793	25.42
220	18.92	35.592	25.50
230	18.11	35.426	25.57
240	17.10	35.254	25.69
250	15.98	35.073	25.81
260	14.81	34.920	25.95
270	14.27	34.853	26.02
280	13.35	34.775	26.15
290	12.58	34.736	26.27
300	11.85	34.678	26.37
350	10.01	34.617	26.65
400	9.07	34.640	26.83
450	8.26	34.617	26.93
500	7.64	34.585	27.00
550	7.18	34.567	27.05
600	6.72	34.551	27.10
650	6.24	34.538	27.16
700	5.96	34.525	27.18
750	5.69	34.523	27.21
800	5.39	34.521	27.25
850	5.13	34.520	27.28
900	4.88	34.523	27.31
950	4.63	34.529	27.34
1000	4.41	34.535	27.37

EPOCS EP4-85-RS CTD 34 RESEARCHER

Date 11 16 85 Latitude 15.015 S

Time 1140 Z Longitude 110.003 W

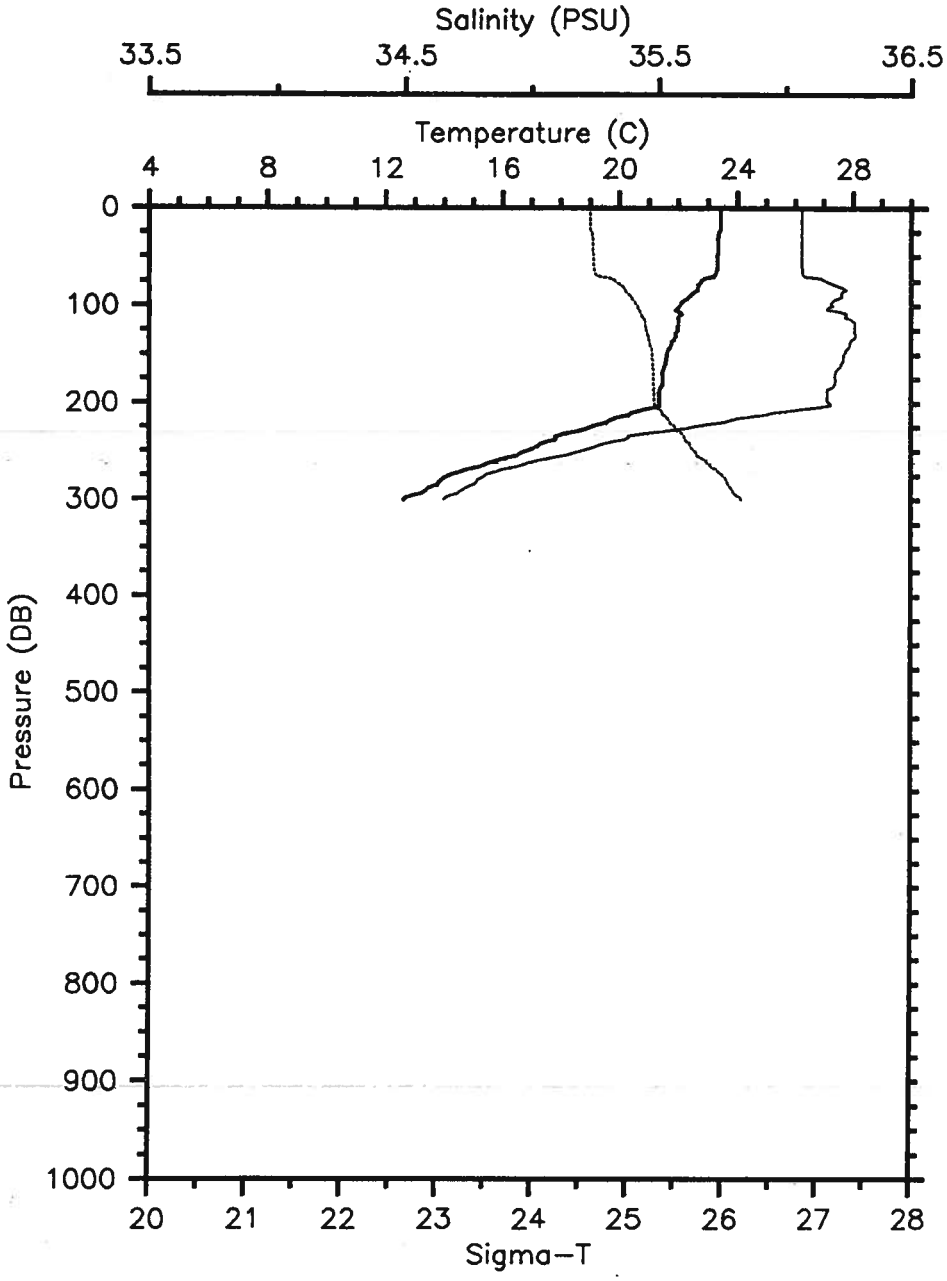


Prs	Tem	Sal	SigT
0	23.57	36.023	24.55
10	23.57	36.023	24.55
20	23.58	36.022	24.54
30	23.57	36.023	24.54
40	23.58	36.023	24.54
50	23.55	36.133	24.63
60	23.10	36.234	24.84
70	22.83	36.257	24.94
80	22.72	36.260	24.97
90	22.66	36.281	25.01
100	22.35	36.214	25.04
110	22.34	36.228	25.06
120	22.26	36.244	25.09
130	22.22	36.263	25.12
140	22.08	36.230	25.13
150	21.73	36.158	25.18
160	21.38	36.074	25.21
170	20.81	35.945	25.27
180	20.60	35.898	25.29
190	20.31	35.838	25.32
200	19.94	35.785	25.38
210	19.72	35.771	25.42
220	19.21	35.646	25.46
230	18.64	35.524	25.52
240	17.93	35.378	25.58
250	17.06	35.241	25.69
260	16.24	35.109	25.78
270	14.80	34.908	25.95
280	13.95	34.806	26.05
290	13.31	34.723	26.12
300	12.37	34.666	26.26
350	10.31	34.596	26.58
400	8.98	34.574	26.79
450	8.00	34.548	26.92
500	7.27	34.530	27.01
550	6.70	34.519	27.08
600	6.28	34.510	27.13
650	6.02	34.513	27.17
700	5.70	34.504	27.20
750	5.48	34.509	27.23
800	5.18	34.510	27.27
850	4.98	34.514	27.29
900	4.77	34.519	27.32
950	4.55	34.525	27.35
1000	4.33	34.533	27.38

EPOCS EP4-85-RS CTD 35 RESEARCHER

Date 11 16 85 Latitude 15.022 S

Time 1933 Z Longitude 110.023 W

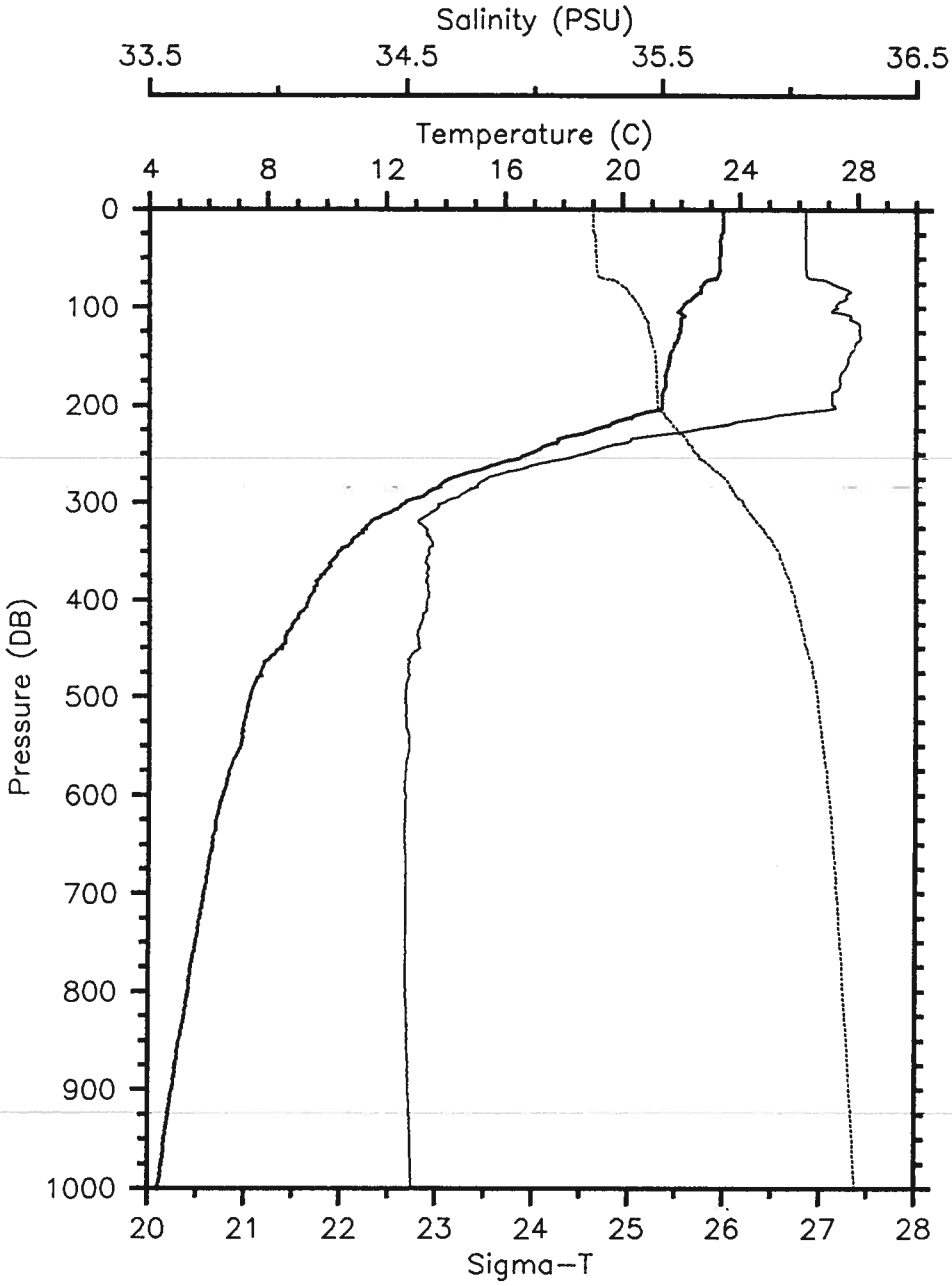


Prs	Tem	Sal	SigT
0	23.43	36.065	24.62
10	23.42	36.064	24.62
20	23.43	36.063	24.62
30	23.35	36.063	24.64
40	23.33	36.064	24.65
50	23.33	36.064	24.65
60	23.32	36.065	24.65
70	23.21	36.075	24.69
80	22.67	36.208	24.95
90	22.39	36.226	25.04
100	22.04	36.191	25.11
110	22.04	36.242	25.15
120	21.99	36.277	25.19
130	21.91	36.279	25.22
140	21.76	36.258	25.24
150	21.61	36.233	25.27
160	21.55	36.222	25.27
170	21.47	36.199	25.28
180	21.47	36.200	25.28
190	21.36	36.168	25.29
200	21.36	36.180	25.29
210	20.44	35.947	25.37
220	19.59	35.756	25.45
230	18.38	35.489	25.55
240	17.52	35.321	25.64
250	16.80	35.195	25.71
260	15.75	35.018	25.82
270	14.66	34.874	25.95
280	13.92	34.783	26.04
290	13.38	34.729	26.11
300	12.64	34.651	26.19

EPOCS EP4-85-RS CTD 36 RESEARCHER

Date 11 16 85 Latitude 16.000 S

Time 1933 Z Longitude 110.000 W

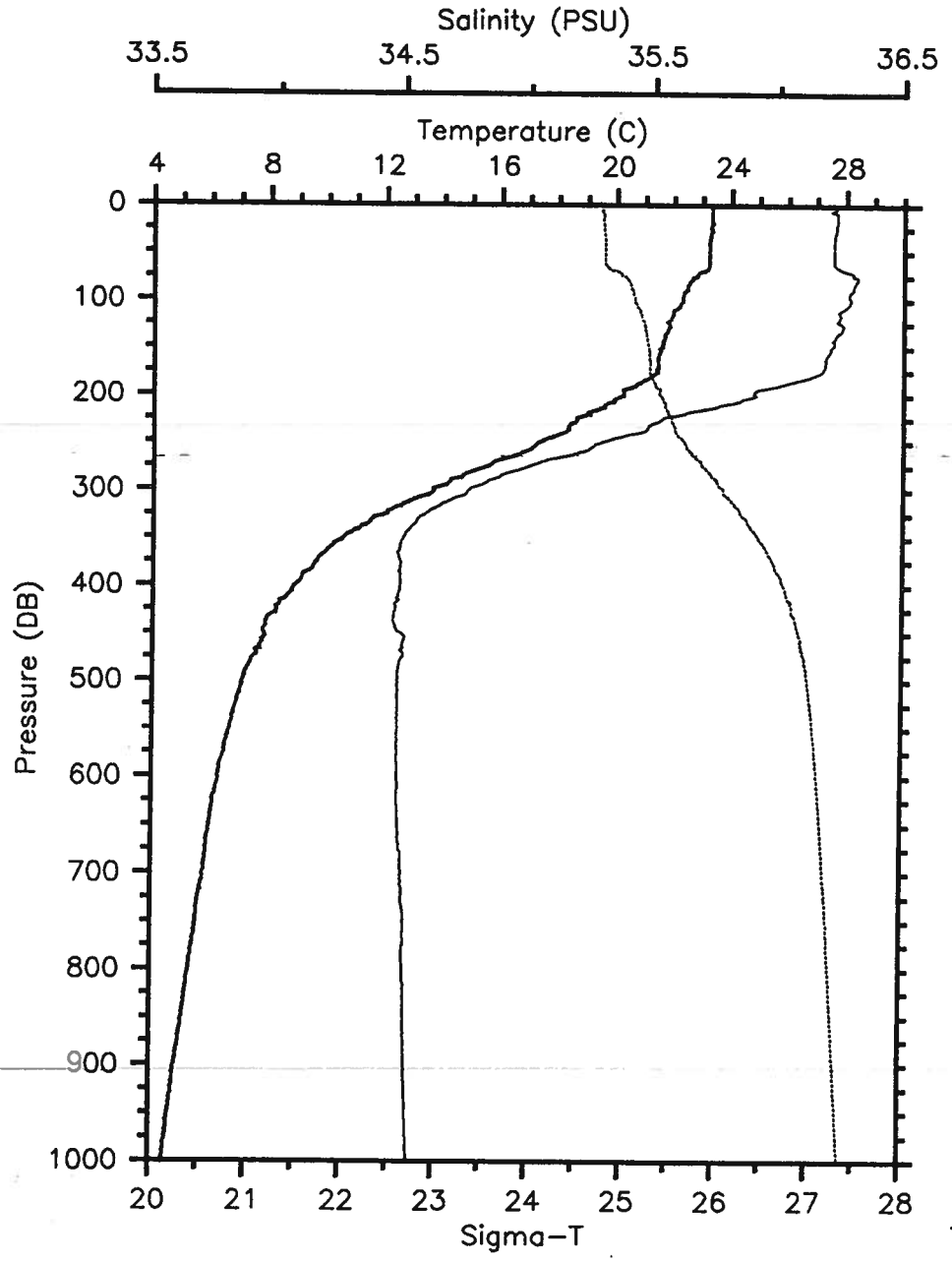


Prs	Tem	Sal	SigT
0	23.43	36.065	24.62
10	23.42	36.064	24.62
20	23.43	36.063	24.62
30	23.35	36.063	24.64
40	23.33	36.064	24.65
50	23.33	36.064	24.65
60	23.32	36.065	24.65
70	23.21	36.075	24.69
80	22.67	36.208	24.95
90	22.39	36.226	25.04
100	22.04	36.191	25.11
110	22.04	36.242	25.15
120	21.99	36.277	25.19
130	21.91	36.279	25.22
140	21.76	36.258	25.24
150	21.61	36.233	25.27
160	21.55	36.222	25.27
170	21.47	36.199	25.28
180	21.47	36.200	25.28
190	21.36	36.168	25.29
200	21.36	36.180	25.29
210	20.44	35.947	25.37
220	19.59	35.756	25.45
230	18.38	35.489	25.55
240	17.52	35.321	25.64
250	16.80	35.195	25.71
260	15.75	35.018	25.82
270	14.66	34.874	25.95
280	13.92	34.783	26.04
290	13.38	34.729	26.11
300	12.64	34.651	26.19
350	10.41	34.588	26.56
400	9.39	34.584	26.73
450	8.48	34.556	26.85
500	7.43	34.500	26.97
550	7.09	34.515	27.03
600	6.49	34.502	27.10
650	6.14	34.499	27.14
700	5.86	34.501	27.18
750	5.58	34.502	27.21
800	5.32	34.503	27.24
850	5.02	34.511	27.29
900	4.80	34.516	27.31
950	4.54	34.524	27.35
1000	4.34	34.529	27.38

EPOCS EP4–85–RS CTD 37 RESEARCHER

Date 11 17 85 Latitude 17.001 S

Time 0048 Z Longitude 109.990 W

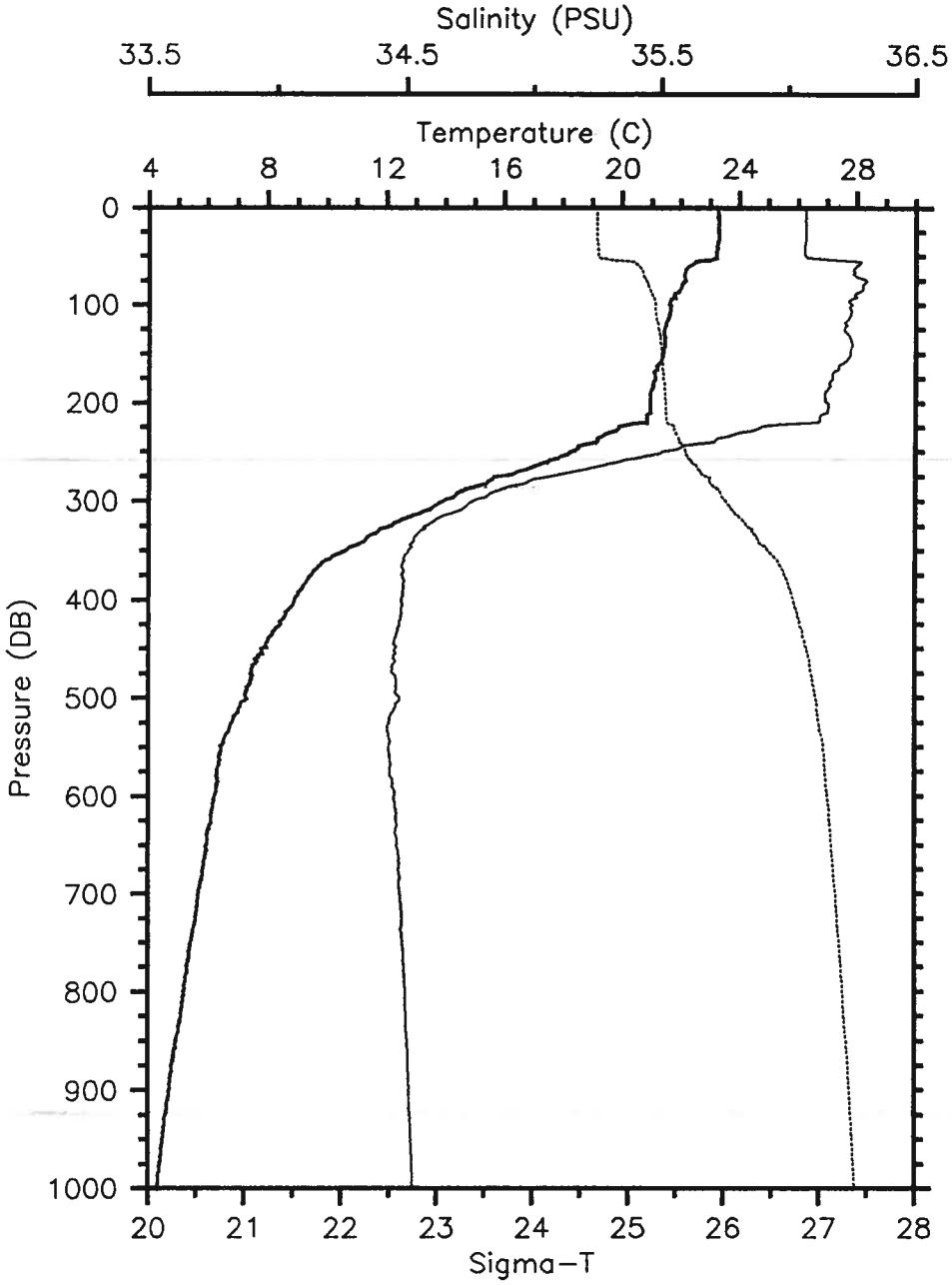


Prs	Tem	Sal	SigT
0	23.32	36.228	24.78
10	23.33	36.233	24.78
20	23.31	36.230	24.78
30	23.27	36.222	24.78
40	23.24	36.219	24.79
50	23.23	36.219	24.79
60	23.23	36.220	24.79
70	22.91	36.280	24.93
80	22.57	36.307	25.05
90	22.39	36.292	25.09
100	22.31	36.287	25.11
110	22.03	36.251	25.16
120	21.87	36.240	25.20
130	21.80	36.253	25.23
140	21.66	36.224	25.25
150	21.54	36.207	25.27
160	21.45	36.189	25.28
170	21.44	36.184	25.28
180	21.22	36.127	25.29
190	20.67	35.995	25.34
200	20.24	35.910	25.39
210	19.62	35.766	25.45
220	19.06	35.619	25.48
230	18.44	35.491	25.54
240	18.16	35.437	25.57
250	17.32	35.289	25.66
260	16.76	35.204	25.73
270	15.78	35.052	25.84
280	15.07	34.944	25.91
290	14.24	34.832	26.01
300	13.67	34.759	26.07
350	10.56	34.495	26.46
400	8.85	34.481	26.74
450	7.79	34.485	26.90
500	7.09	34.474	26.99
550	6.66	34.476	27.05
600	6.28	34.476	27.10
650	5.99	34.482	27.14
700	5.78	34.496	27.18
750	5.55	34.505	27.22
800	5.32	34.504	27.24
850	5.09	34.511	27.28
900	4.85	34.514	27.31
950	4.64	34.521	27.34
1000	4.45	34.528	27.36

EPOCS EP4-85-RS CTD 38 RESEARCHER

Date 11 17 85 Latitude 16.796 S

Time 0611 Z Longitude 108.998 W

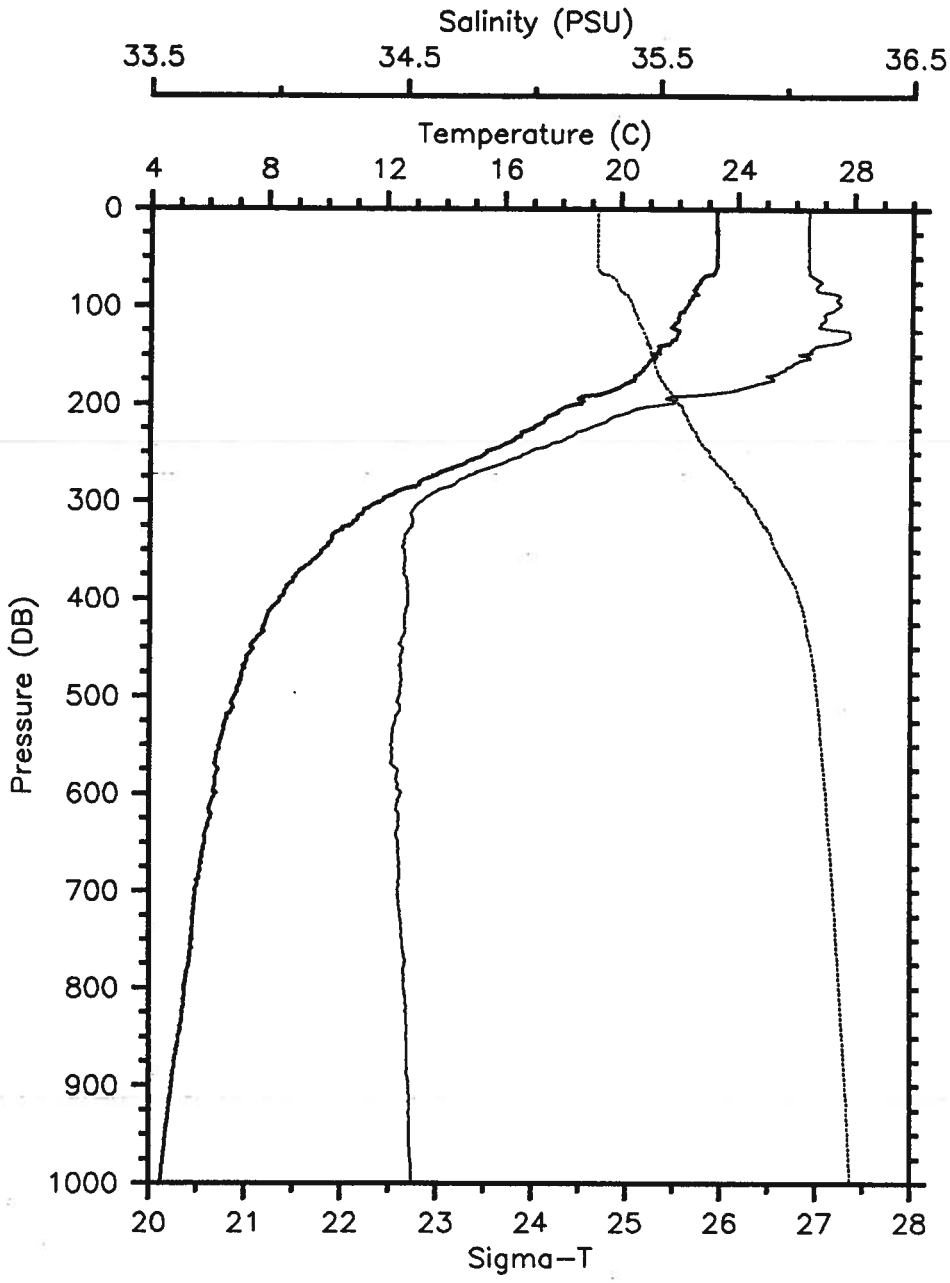


Prs	Tem	Sal	SigT
0	23.27	36.067	24.67
10	23.29	36.069	24.66
20	23.29	36.069	24.66
30	23.29	36.069	24.66
40	23.24	36.064	24.67
50	23.23	36.068	24.68
60	22.31	36.268	25.10
70	22.12	36.262	25.14
80	22.03	36.294	25.19
90	21.78	36.261	25.24
100	21.64	36.251	25.27
110	21.62	36.246	25.27
120	21.49	36.232	25.30
130	21.43	36.235	25.32
140	21.45	36.252	25.33
150	21.39	36.245	25.34
160	21.26	36.212	25.35
170	21.12	36.174	25.36
180	21.05	36.162	25.37
190	20.97	36.146	25.38
200	20.97	36.157	25.38
210	20.97	36.155	25.38
220	20.85	36.120	25.39
230	19.60	35.814	25.49
240	19.17	35.709	25.52
250	18.27	35.505	25.59
260	17.52	35.339	25.65
270	16.50	35.159	25.76
280	15.51	34.984	25.85
290	14.56	34.852	25.95
300	13.95	34.767	26.02
350	10.64	34.508	26.46
400	8.93	34.482	26.72
450	7.85	34.458	26.87
500	7.33	34.477	26.96
550	6.48	34.436	27.04
600	6.25	34.457	27.09
650	5.98	34.466	27.13
700	5.72	34.480	27.18
750	5.45	34.488	27.22
800	5.22	34.500	27.25
850	4.96	34.507	27.29
900	4.72	34.513	27.32
950	4.49	34.522	27.35
1000	4.31	34.528	27.38

EPOCS EP4-85-RS CTD 39 RESEARCHER

Date 11 17 85 Latitude 16.582 S

Time 1152 Z Longitude 107.995 W

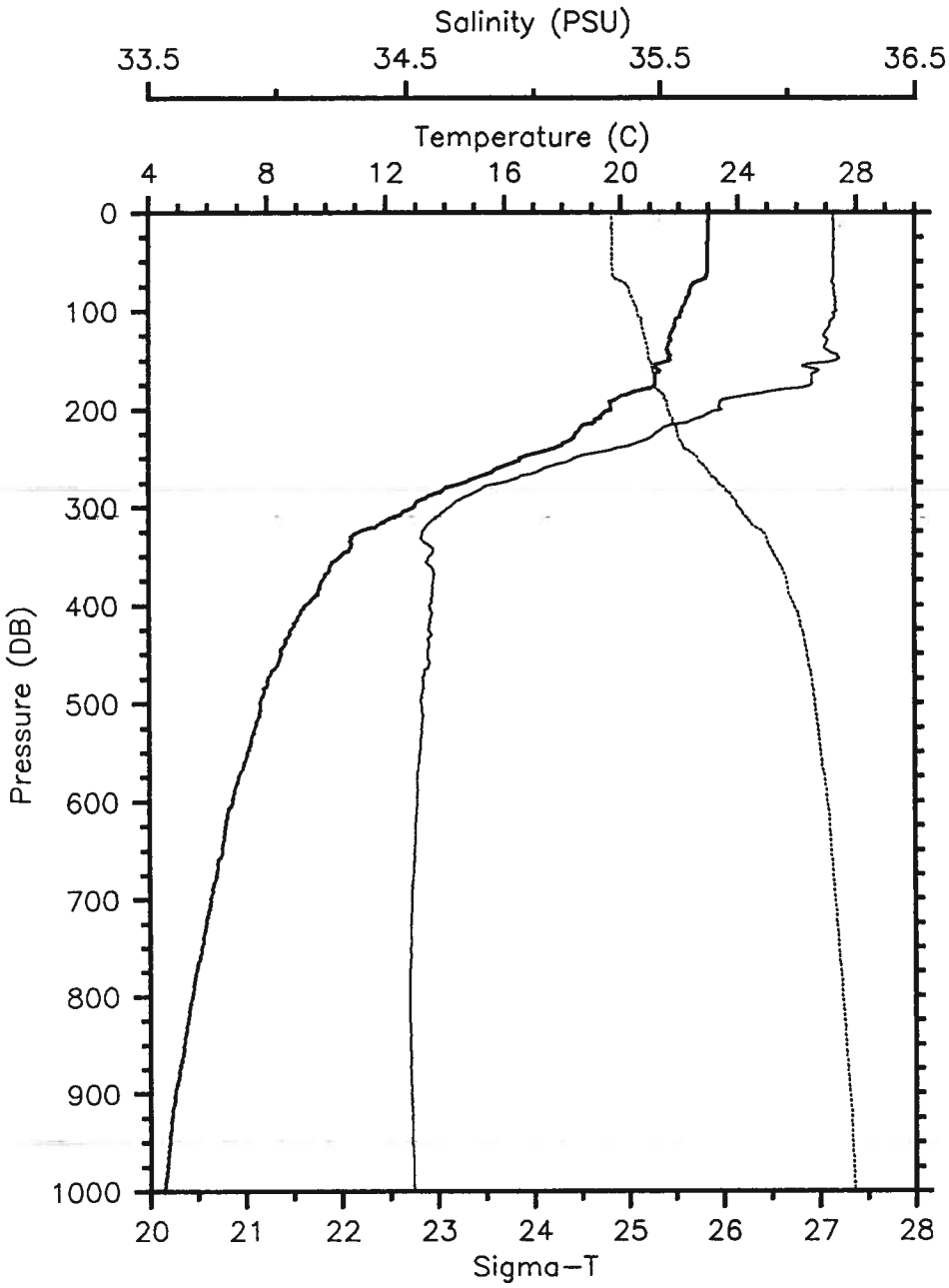


Prs	Tem	Sal	SigT
0	23.27	36.090	24.68
10	23.28	36.088	24.68
20	23.28	36.088	24.68
30	23.29	36.088	24.68
40	23.29	36.088	24.68
50	23.29	36.089	24.68
60	23.28	36.089	24.68
70	22.83	36.115	24.83
80	22.60	36.119	24.90
90	22.48	36.209	25.00
100	22.27	36.210	25.06
110	22.00	36.156	25.10
120	21.77	36.131	25.14
130	21.92	36.255	25.19
140	21.35	36.121	25.25
150	21.20	36.093	25.27
160	20.93	36.021	25.29
170	20.52	35.925	25.33
180	20.11	35.868	25.40
190	19.30	35.674	25.46
200	18.39	35.510	25.57
210	17.72	35.357	25.61
220	17.27	35.272	25.66
230	16.64	35.169	25.73
240	16.10	35.077	25.78
250	15.41	34.982	25.87
260	14.72	34.887	25.95
270	13.85	34.777	26.05
280	13.16	34.702	26.13
290	12.36	34.619	26.22
300	11.82	34.564	26.29
350	9.84	34.498	26.59
400	8.42	34.509	26.83
450	7.50	34.491	26.95
500	6.90	34.477	27.02
550	6.37	34.445	27.07
600	6.24	34.483	27.11
650	5.90	34.474	27.15
700	5.58	34.474	27.19
750	5.45	34.492	27.22
800	5.20	34.498	27.25
850	5.00	34.506	27.28
900	4.77	34.517	27.32
950	4.56	34.521	27.34
1000	4.38	34.527	27.37

EPOCS EP4-85-RS CTD 40 RESEARCHER

Date 11 17 85 Latitude 16.375 S

Time 1712 Z Longitude 107.010 W

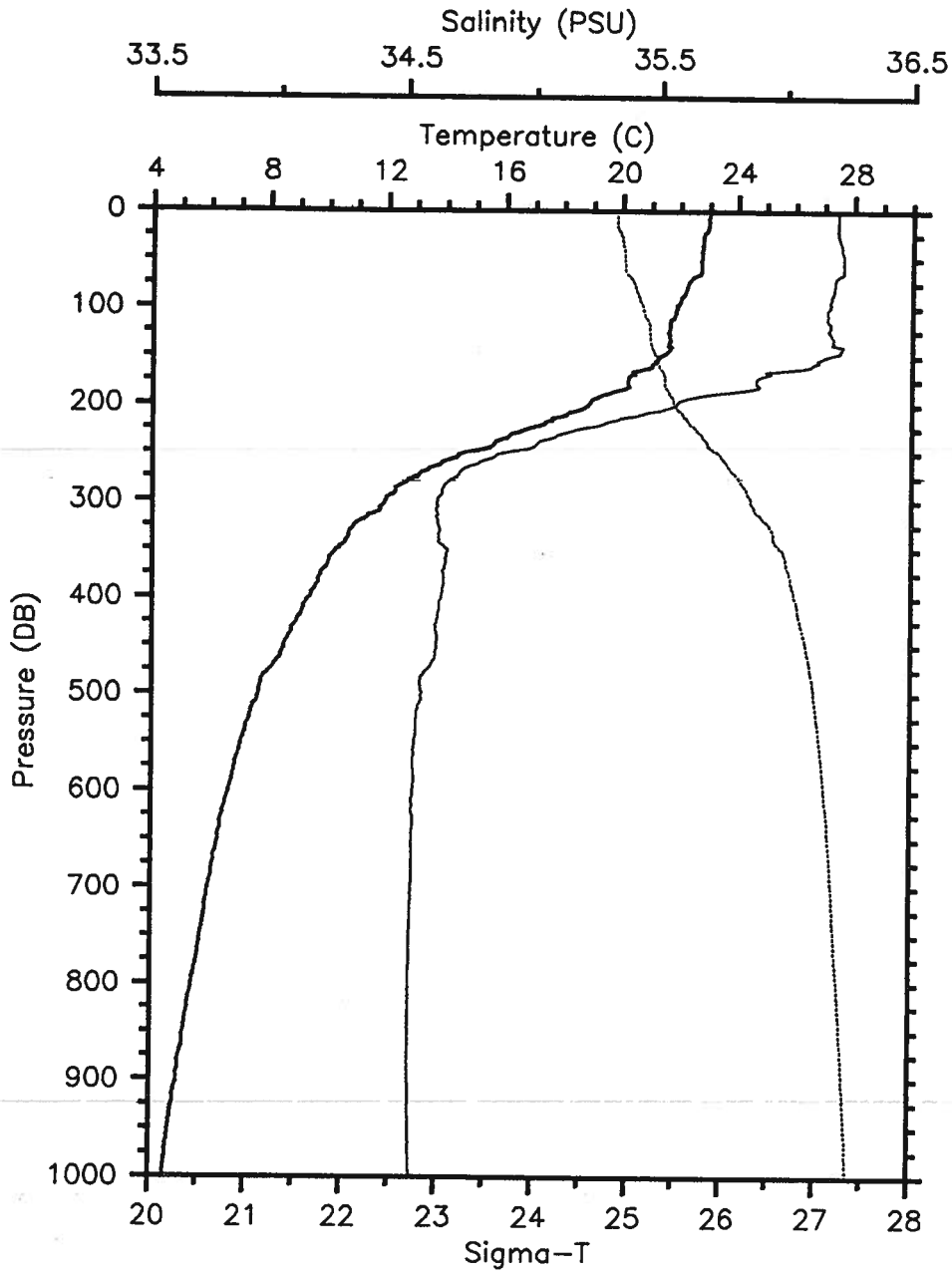


Prs	Tem	Sal	SigT
0	23.03	36.180	24.82
10	23.01	36.183	24.83
20	23.01	36.183	24.83
30	22.99	36.183	24.83
40	22.99	36.182	24.83
50	22.99	36.183	24.84
60	22.98	36.183	24.84
70	22.65	36.176	24.93
80	22.38	36.186	25.01
90	22.23	36.190	25.06
100	22.10	36.196	25.10
110	21.89	36.170	25.14
120	21.77	36.154	25.16
130	21.70	36.161	25.19
140	21.62	36.161	25.21
150	21.66	36.195	25.22
160	21.32	36.124	25.26
170	21.19	36.100	25.28
180	20.74	35.979	25.31
190	19.83	35.755	25.38
200	19.66	35.747	25.42
210	19.15	35.642	25.47
220	18.60	35.511	25.51
230	18.34	35.458	25.54
240	17.71	35.326	25.59
250	16.56	35.162	25.74
260	15.80	35.042	25.83
270	15.07	34.942	25.91
280	14.08	34.806	26.02
290	13.40	34.727	26.10
300	12.93	34.678	26.16
350	10.50	34.593	26.55
400	9.30	34.593	26.75
450	8.47	34.587	26.88
500	7.78	34.560	26.96
550	7.34	34.555	27.02
600	6.82	34.543	27.08
650	6.48	34.532	27.12
700	6.09	34.519	27.16
750	5.76	34.513	27.20
800	5.44	34.510	27.24
850	5.14	34.513	27.27
900	4.85	34.516	27.31
950	4.64	34.521	27.34
1000	4.47	34.527	27.36

EPOCS EP4-85-RS CTD 41 RESEARCHER

Date 11 17 85 Latitude 16.173 S

Time 2403 Z Longitude 105.995 W

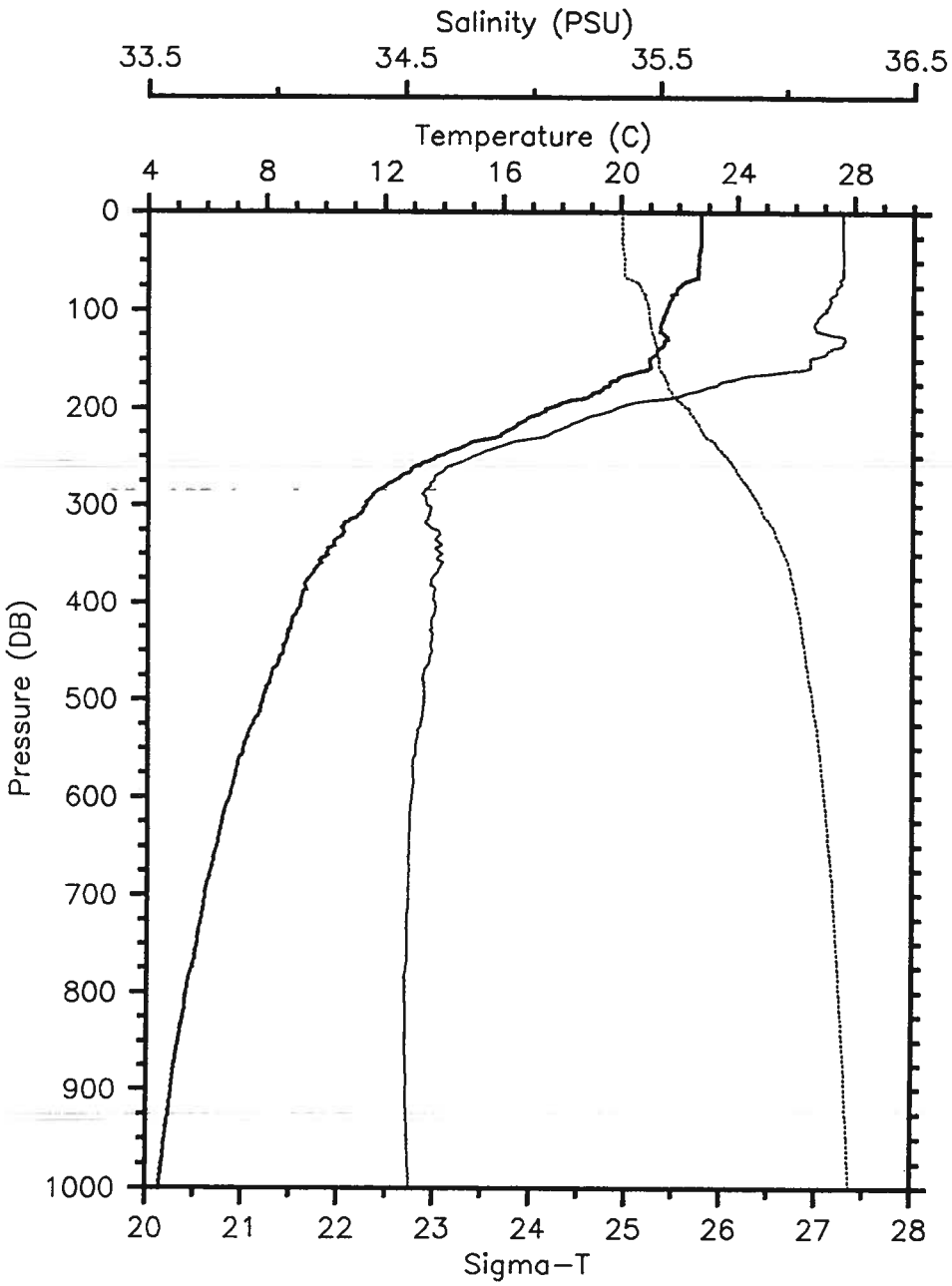


Prs	Tem	Sal	SigT
0	22.99	36.205	24.85
10	22.97	36.204	24.86
20	22.92	36.202	24.87
30	22.78	36.211	24.92
40	22.75	36.220	24.93
50	22.73	36.227	24.94
60	22.72	36.227	24.95
70	22.39	36.196	25.02
80	22.22	36.191	25.06
90	22.05	36.180	25.10
100	21.91	36.176	25.14
110	21.81	36.167	25.16
120	21.66	36.178	25.21
130	21.65	36.183	25.22
140	21.69	36.226	25.24
150	21.29	36.159	25.30
160	21.06	36.102	25.32
170	20.27	35.904	25.38
180	20.24	35.897	25.38
190	19.35	35.672	25.45
200	18.86	35.566	25.49
210	18.11	35.425	25.57
220	17.36	35.278	25.64
230	16.25	35.110	25.77
240	15.66	35.013	25.84
250	14.64	34.887	25.96
260	13.89	34.784	26.04
270	13.22	34.708	26.12
280	12.70	34.665	26.19
290	12.28	34.639	26.26
300	11.94	34.621	26.31
350	10.30	34.663	26.64
400	9.36	34.637	26.78
450	8.51	34.619	26.90
500	7.64	34.561	26.98
550	7.05	34.534	27.04
600	6.65	34.530	27.10
650	6.29	34.527	27.14
700	5.96	34.525	27.18
750	5.70	34.520	27.21
800	5.42	34.517	27.24
850	5.14	34.517	27.28
900	4.91	34.518	27.30
950	4.66	34.522	27.34
1000	4.48	34.527	27.36

EPOCS EP4-85-RS CTD 42 RESEARCHER

Date 11 18 85 Latitude 15.961 S

Time 0518 Z Longitude 104.998 W

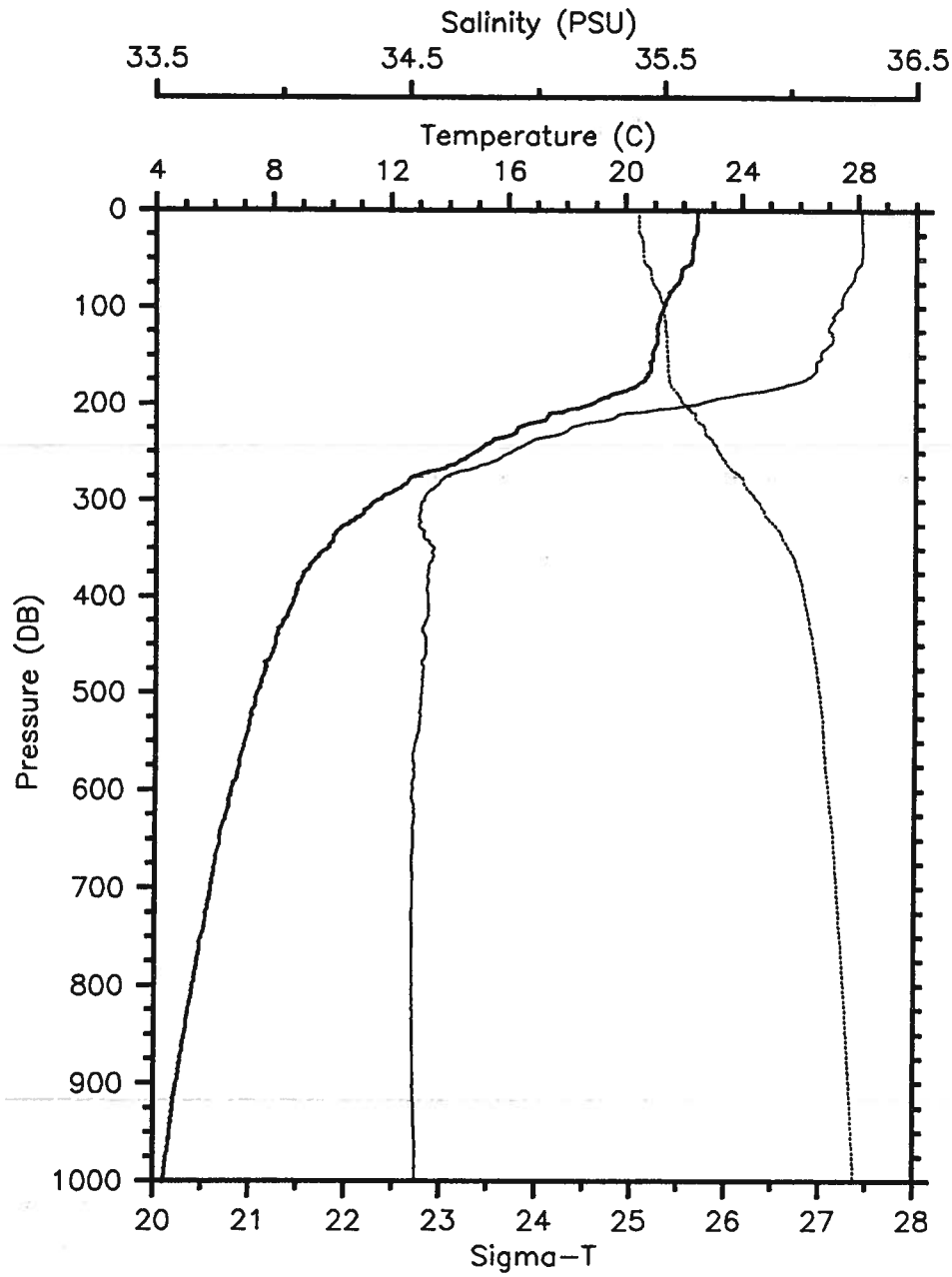


Prs	Tem	Sal	SigT
0	22.75	36.224	24.94
10	22.74	36.224	24.94
20	22.74	36.224	24.94
30	22.74	36.224	24.94
40	22.71	36.227	24.95
50	22.67	36.228	24.96
60	22.66	36.228	24.96
70	22.26	36.217	25.07
80	21.94	36.198	25.15
90	21.70	36.178	25.20
100	21.57	36.163	25.22
110	21.44	36.124	25.23
120	21.37	36.119	25.25
130	21.54	36.234	25.29
140	21.26	36.166	25.31
150	21.02	36.097	25.33
160	20.93	36.073	25.33
170	19.90	35.796	25.40
180	19.40	35.674	25.43
190	18.75	35.532	25.49
200	17.49	35.327	25.65
210	16.86	35.208	25.71
220	16.39	35.128	25.76
230	15.76	35.035	25.83
240	14.67	34.869	25.94
250	13.81	34.770	26.05
260	13.04	34.673	26.13
270	12.55	34.621	26.19
280	12.07	34.604	26.27
290	11.61	34.579	26.34
300	11.40	34.589	26.38
350	10.10	34.651	26.66
400	9.19	34.623	26.79
450	8.60	34.611	26.88
500	7.92	34.581	26.96
550	7.24	34.549	27.03
600	6.78	34.532	27.08
650	6.38	34.523	27.13
700	5.97	34.520	27.18
750	5.69	34.516	27.21
800	5.33	34.507	27.25
850	5.07	34.510	27.28
900	4.84	34.515	27.31
950	4.63	34.522	27.34
1000	4.45	34.530	27.36

EPOCS EP4-85-RS CTD 43 RESEARCHER

Date 11 18 85 Latitude 15.708 S

Time 1048 Z Longitude 104.002 W

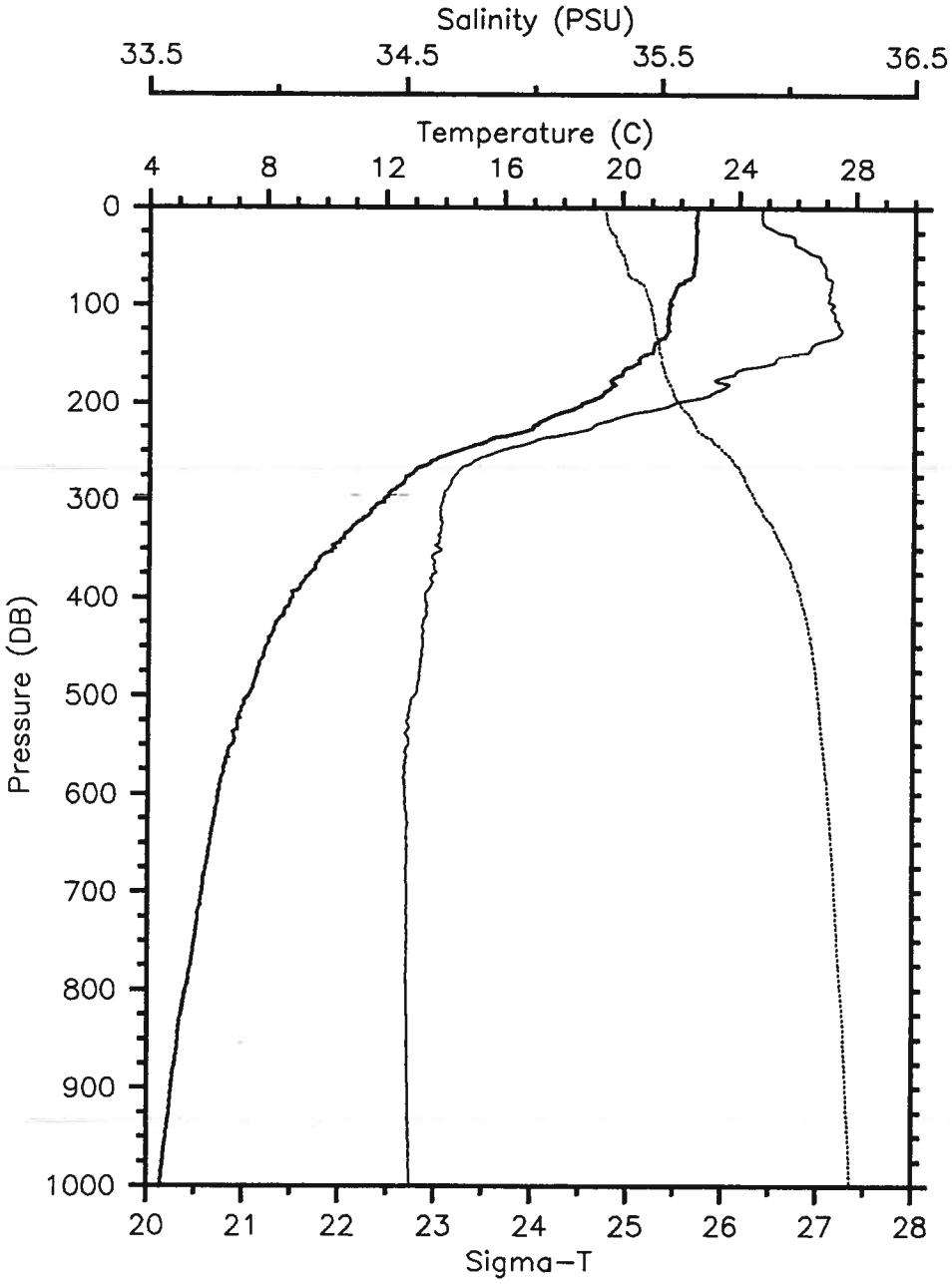


Prs	Tem	Sal	SigT
0	22.46	36.281	25.06
10	22.46	36.286	25.07
20	22.47	36.286	25.06
30	22.34	36.289	25.10
40	22.32	36.289	25.11
50	22.28	36.285	25.12
60	21.97	36.262	25.19
70	21.90	36.254	25.20
80	21.66	36.228	25.25
90	21.44	36.207	25.29
100	21.32	36.204	25.32
110	21.19	36.169	25.33
120	21.10	36.154	25.35
130	21.10	36.170	25.36
140	21.03	36.151	25.36
150	20.94	36.123	25.37
160	20.87	36.104	25.37
170	20.80	36.087	25.38
180	20.43	35.989	25.40
190	19.56	35.799	25.49
200	18.82	35.634	25.55
210	17.44	35.332	25.66
220	16.73	35.192	25.73
230	16.23	35.100	25.77
240	15.38	34.967	25.86
250	14.88	34.898	25.92
260	14.30	34.819	25.98
270	13.33	34.692	26.09
280	12.62	34.620	26.17
290	12.11	34.576	26.24
300	11.54	34.557	26.33
350	9.86	34.595	26.66
400	8.75	34.571	26.82
450	8.09	34.563	26.92
500	7.48	34.547	26.99
550	7.05	34.526	27.04
600	6.61	34.513	27.09
650	6.22	34.518	27.14
700	5.90	34.516	27.18
750	5.59	34.514	27.22
800	5.30	34.515	27.26
850	5.03	34.518	27.29
900	4.76	34.522	27.32
950	4.56	34.527	27.35
1000	4.35	34.532	27.38

EPOCS EP4-85-RS CTD 44 RESEARCHER

Date 11 18 85 Latitude 15.513 S

Time 1526 Z Longitude 103.003 W

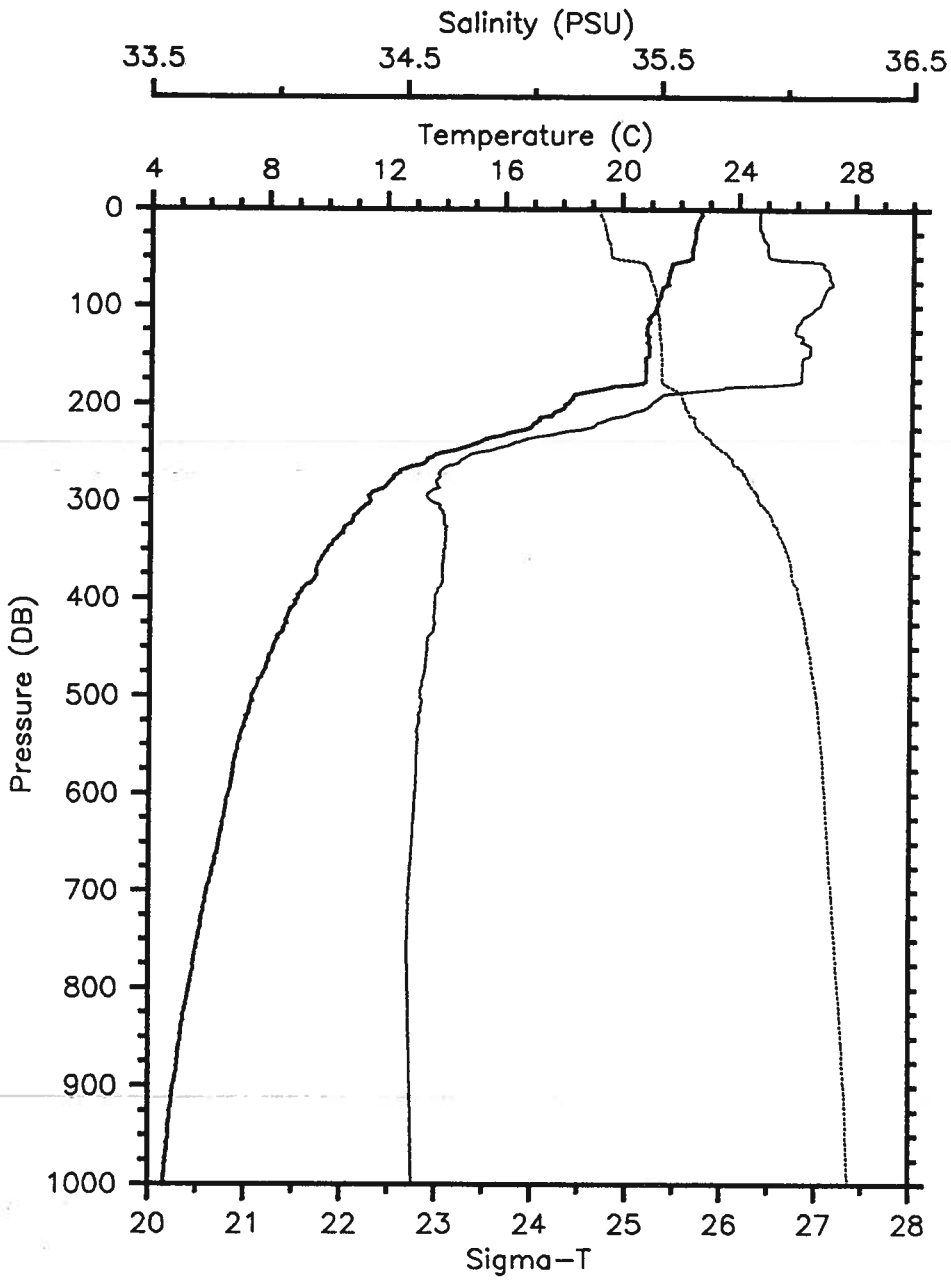


Prs	Tem	Sal	SigT
0	22.55	35.896	24.74
10	22.53	35.895	24.75
20	22.51	35.916	24.77
30	22.51	36.025	24.85
40	22.51	36.047	24.87
50	22.48	36.127	24.94
60	22.44	36.147	24.97
70	22.38	36.148	24.98
80	21.89	36.173	25.14
90	21.73	36.165	25.18
100	21.62	36.184	25.23
110	21.58	36.186	25.24
120	21.56	36.202	25.26
130	21.50	36.201	25.27
140	21.10	36.101	25.31
150	20.77	36.009	25.33
160	20.45	35.922	25.35
170	20.00	35.790	25.36
180	19.73	35.766	25.42
190	19.37	35.700	25.46
200	18.66	35.552	25.53
210	17.91	35.400	25.60
220	17.20	35.269	25.67
230	16.63	35.168	25.73
240	15.41	34.997	25.88
250	14.45	34.866	25.99
260	13.55	34.766	26.10
270	12.99	34.707	26.17
280	12.61	34.680	26.22
290	12.23	34.656	26.28
300	11.95	34.647	26.33
350	10.23	34.641	26.63
400	8.83	34.579	26.82
450	7.97	34.570	26.94
500	7.40	34.541	27.00
550	6.85	34.514	27.06
600	6.38	34.501	27.11
650	6.12	34.511	27.15
700	5.84	34.513	27.19
750	5.59	34.512	27.22
800	5.30	34.512	27.25
850	5.04	34.515	27.29
900	4.82	34.519	27.31
950	4.64	34.523	27.34
1000	4.45	34.528	27.36

EPOCS EP4-85-RS CTD 45 RESEARCHER

Date 11 18 85 Latitude 15.318 S

Time 2137 Z Longitude 102.000 W

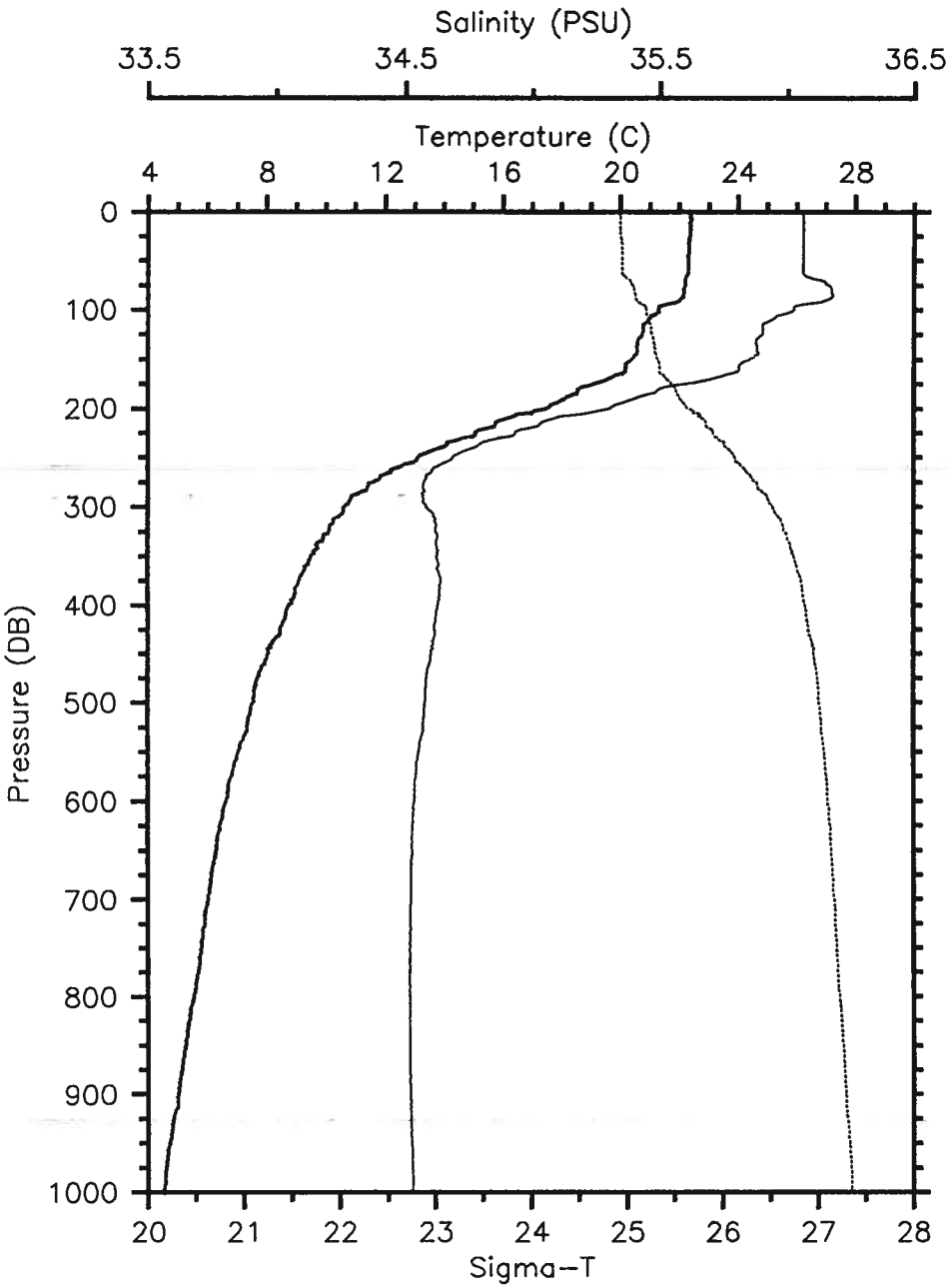


Prs	Tem	Sal	SigT
0	22.69	35.888	24.70
10	22.63	35.888	24.72
20	22.52	35.890	24.75
30	22.49	35.905	24.77
40	22.41	35.919	24.80
50	22.39	35.930	24.82
60	21.67	36.149	25.19
70	21.58	36.168	25.22
80	21.43	36.163	25.26
90	21.32	36.144	25.28
100	21.18	36.122	25.30
110	21.01	36.069	25.31
120	20.89	36.038	25.32
130	20.92	36.062	25.33
140	20.95	36.093	25.34
150	20.94	36.087	25.34
160	20.84	36.061	25.35
170	20.84	36.060	25.35
180	20.39	35.944	25.38
190	18.44	35.517	25.56
200	18.13	35.465	25.60
210	17.71	35.381	25.64
220	17.05	35.253	25.70
230	16.15	35.102	25.79
240	15.15	34.930	25.89
250	13.97	34.790	26.03
260	13.32	34.710	26.10
270	12.46	34.634	26.22
280	12.14	34.620	26.27
290	11.57	34.598	26.36
300	11.46	34.602	26.38
350	10.02	34.650	26.68
400	9.00	34.618	26.82
450	8.19	34.588	26.92
500	7.47	34.560	27.01
550	7.01	34.550	27.06
600	6.70	34.544	27.10
650	6.38	34.533	27.14
700	5.97	34.519	27.18
750	5.66	34.516	27.21
800	5.36	34.517	27.25
850	5.09	34.522	27.29
900	4.84	34.527	27.32
950	4.67	34.531	27.34
1000	4.49	34.535	27.36

EPOCS EP4-85-RS CTD 46 RESEARCHER

Date 11 19 85 Latitude 15.157 S

Time 0343 Z Longitude 101.000 W

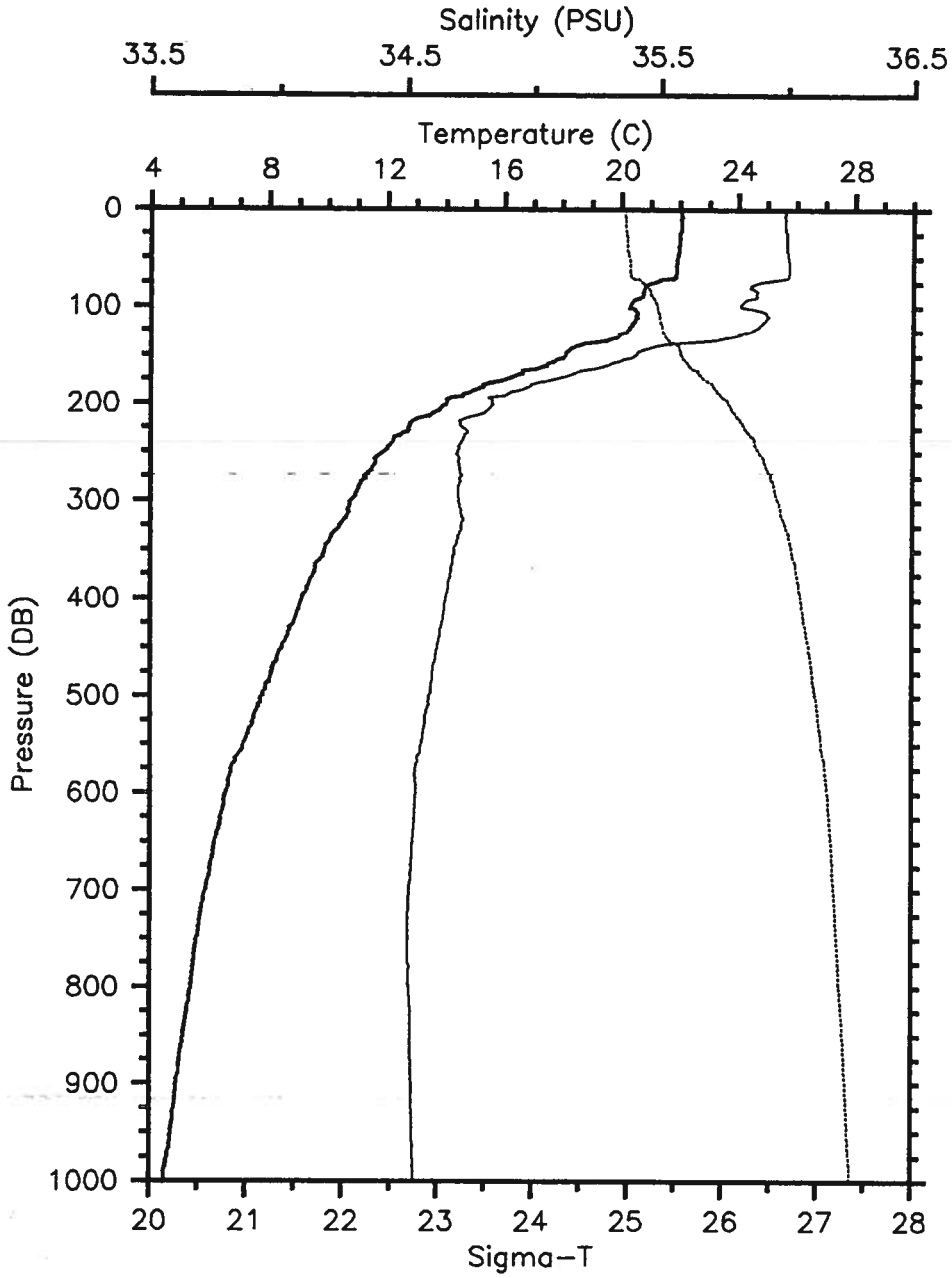


Prs	Tem	Sal	SigT
0	22.39	36.056	24.91
10	22.38	36.064	24.92
20	22.38	36.064	24.92
30	22.33	36.065	24.93
40	22.32	36.064	24.94
50	22.32	36.065	24.94
60	22.31	36.065	24.94
70	22.21	36.135	25.02
80	22.18	36.175	25.06
90	22.02	36.153	25.09
100	21.31	36.028	25.19
110	20.97	35.942	25.22
120	20.78	35.904	25.24
130	20.62	35.880	25.27
140	20.56	35.881	25.29
150	20.36	35.853	25.32
160	20.17	35.812	25.34
170	19.57	35.699	25.41
180	18.59	35.498	25.51
190	18.13	35.401	25.55
200	17.49	35.304	25.63
210	16.15	35.089	25.78
220	15.56	34.993	25.84
230	14.65	34.873	25.95
240	13.92	34.775	26.03
250	13.13	34.690	26.13
260	12.40	34.619	26.22
270	11.84	34.585	26.30
280	11.43	34.574	26.37
290	10.88	34.574	26.47
300	10.64	34.585	26.52
350	9.52	34.626	26.74
400	8.77	34.632	26.87
450	8.06	34.606	26.96
500	7.55	34.582	27.01
550	7.05	34.556	27.06
600	6.63	34.537	27.11
650	6.31	34.530	27.14
700	6.03	34.525	27.17
750	5.80	34.521	27.20
800	5.55	34.520	27.23
850	5.28	34.520	27.26
900	5.03	34.523	27.29
950	4.74	34.528	27.33
1000	4.54	34.533	27.36

EPOCS EP4-85-RS CTD 47 RESEARCHER

Date 11 19 85 Latitude 14.988 S

Time 0852 Z Longitude 99.997 W

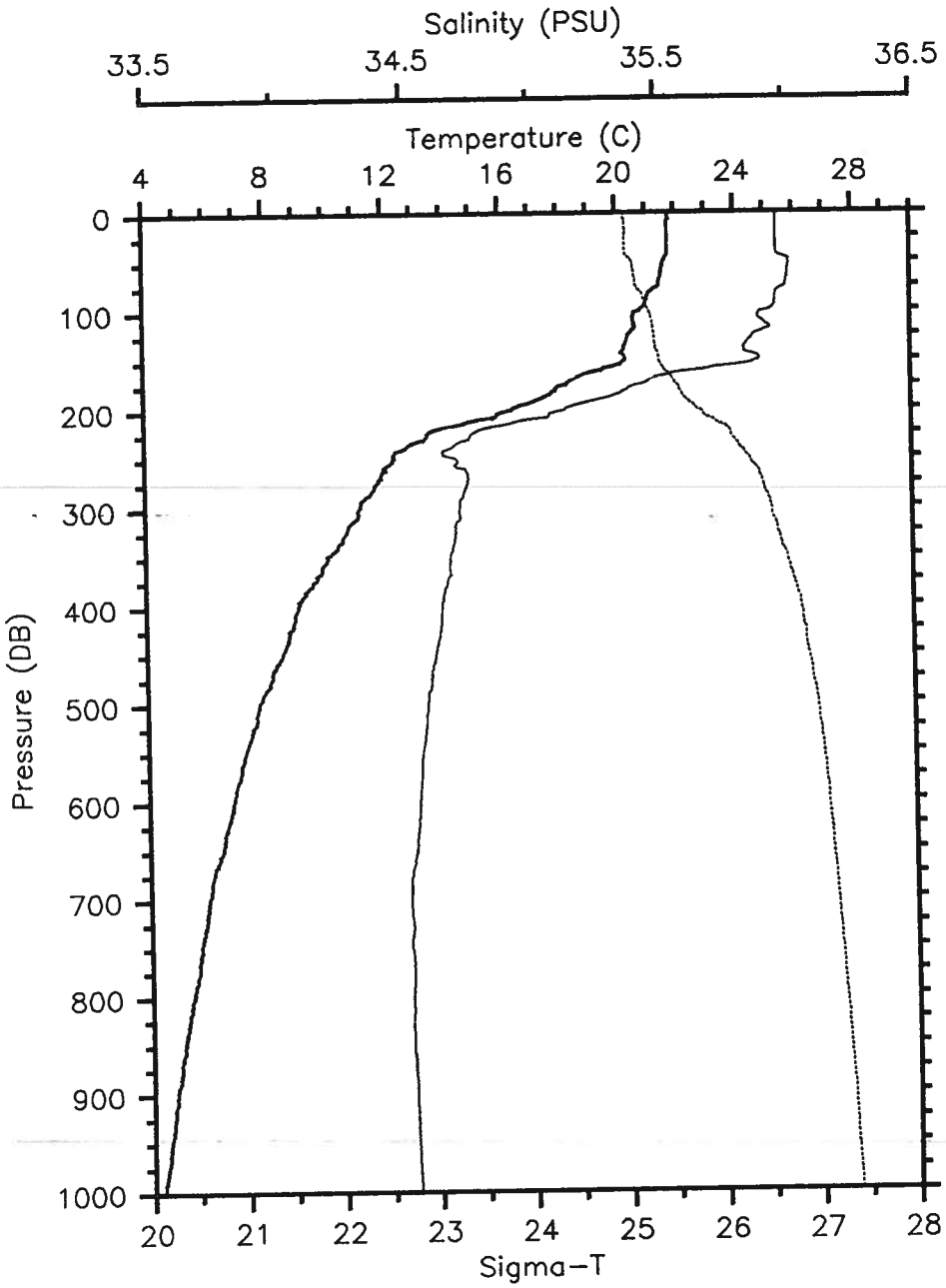


Prs	Tem	Sal	SigT
0	22.04	35.991	24.96
10	22.04	35.990	24.96
20	22.03	35.992	24.96
30	21.99	35.998	24.98
40	21.98	35.997	24.98
50	21.91	36.006	25.01
60	21.89	36.008	25.02
70	21.83	36.002	25.03
80	20.82	35.857	25.20
90	20.66	35.879	25.26
100	20.31	35.824	25.31
110	20.54	35.929	25.33
120	20.33	35.889	25.35
130	19.88	35.785	25.39
140	18.49	35.484	25.52
150	18.07	35.401	25.56
160	17.48	35.297	25.63
170	16.43	35.147	25.76
180	15.34	34.991	25.89
190	14.65	34.900	25.97
200	14.03	34.842	26.06
210	13.58	34.805	26.13
220	12.82	34.712	26.21
230	12.58	34.741	26.28
240	12.18	34.715	26.33
250	11.87	34.704	26.38
260	11.60	34.706	26.44
270	11.41	34.710	26.48
280	11.15	34.713	26.53
290	10.99	34.705	26.55
300	10.78	34.706	26.59
350	9.90	34.690	26.73
400	9.12	34.656	26.83
450	8.45	34.623	26.91
500	7.78	34.588	26.98
550	7.16	34.560	27.05
600	6.56	34.539	27.12
650	6.20	34.527	27.15
700	5.89	34.515	27.18
750	5.58	34.511	27.22
800	5.39	34.515	27.24
850	5.13	34.520	27.28
900	4.89	34.524	27.31
950	4.71	34.528	27.33
1000	4.48	34.533	27.36

EPOCS EP4-85-RS CTD 48 RESEARCHER

Date 11 19 85 Latitude 15.003 S

Time 1610 Z Longitude 99.007 W

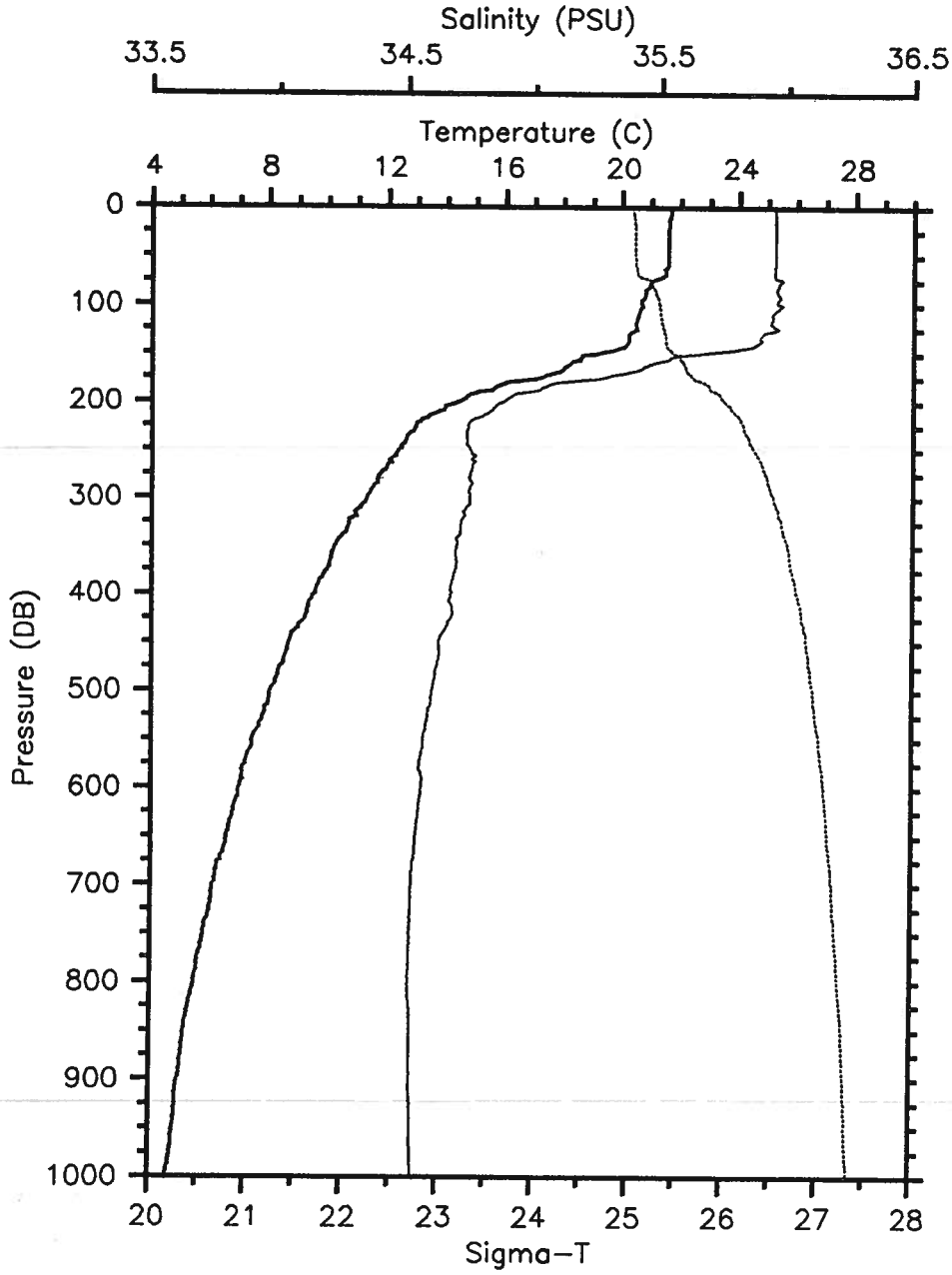


Prs	Tem	Sal	SigT
0	21.80	35.976	25.02
10	21.77	35.976	25.02
20	21.77	35.976	25.03
30	21.77	35.976	25.03
40	21.77	35.977	25.03
50	21.65	36.024	25.10
60	21.57	36.021	25.11
70	21.50	36.015	25.13
80	21.25	35.981	25.17
90	21.05	35.969	25.22
100	20.82	35.947	25.27
110	20.59	35.911	25.30
120	20.57	35.928	25.32
130	20.38	35.868	25.32
140	20.25	35.848	25.34
150	20.29	35.907	25.38
160	19.54	35.701	25.42
170	18.47	35.478	25.52
180	17.96	35.386	25.58
190	17.34	35.279	25.65
200	16.42	35.145	25.76
210	15.31	34.999	25.90
220	13.81	34.813	26.08
230	13.43	34.764	26.12
240	12.70	34.681	26.21
250	12.33	34.716	26.31
260	12.10	34.750	26.38
270	11.89	34.760	26.42
280	11.72	34.752	26.45
290	11.39	34.734	26.50
300	11.21	34.726	26.52
350	10.13	34.687	26.69
400	9.12	34.652	26.83
450	8.54	34.624	26.90
500	7.75	34.590	26.99
550	7.24	34.567	27.04
600	6.83	34.554	27.09
650	6.45	34.537	27.13
700	5.96	34.513	27.17
750	5.68	34.513	27.21
800	5.40	34.515	27.24
850	5.08	34.515	27.28
900	4.79	34.525	27.32
950	4.57	34.531	27.35
1000	4.33	34.538	27.38

EPOCS EP4-85-RS CTD 49 RESEARCHER

Date 11 19 85 Latitude 15.002 S

Time 1842 Z Longitude 98.000 W

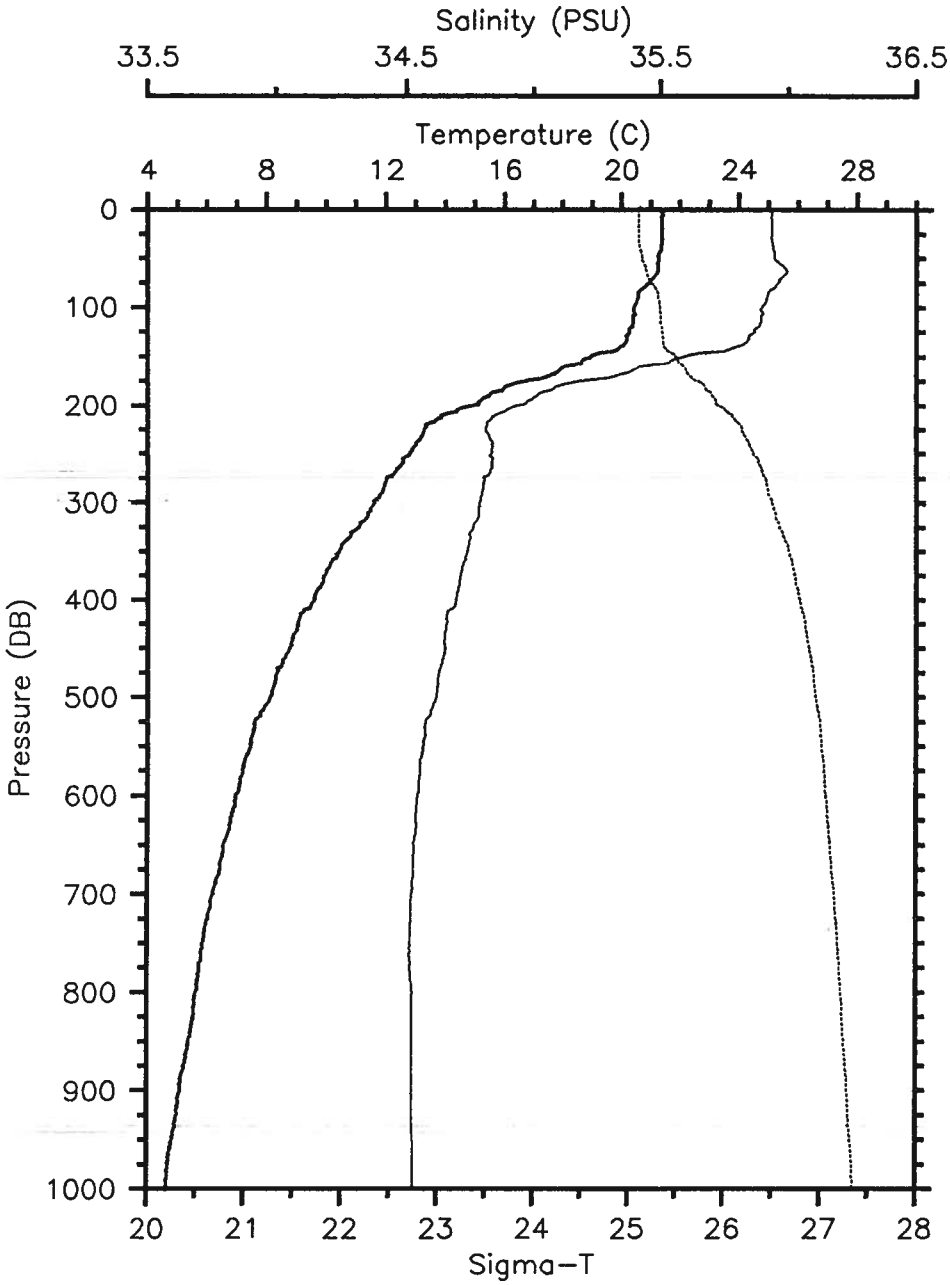


Prs	Tem	Sal	SigT
0	21.67	35.948	25.03
10	21.64	35.948	25.04
20	21.59	35.949	25.06
30	21.58	35.949	25.06
40	21.58	35.950	25.06
50	21.58	35.950	25.06
60	21.56	35.948	25.06
70	21.43	35.948	25.10
80	20.96	35.963	25.24
90	20.79	35.968	25.29
100	20.70	35.979	25.32
110	20.56	35.937	25.33
120	20.47	35.937	25.35
130	20.27	35.900	25.38
140	20.18	35.880	25.39
150	19.17	35.646	25.47
160	18.25	35.469	25.57
170	17.69	35.358	25.62
180	16.07	35.091	25.80
190	15.11	34.974	25.93
200	14.38	34.878	26.01
210	13.76	34.827	26.10
220	13.12	34.751	26.18
230	12.88	34.734	26.21
240	12.63	34.734	26.26
250	12.38	34.745	26.32
260	12.07	34.752	26.38
270	11.93	34.751	26.41
280	11.65	34.743	26.46
290	11.48	34.743	26.49
300	11.31	34.743	26.52
350	10.23	34.693	26.67
400	9.53	34.670	26.77
450	8.67	34.625	26.88
500	8.06	34.597	26.95
550	7.45	34.563	27.01
600	7.00	34.556	27.07
650	6.58	34.535	27.11
700	6.11	34.523	27.16
750	5.82	34.516	27.19
800	5.50	34.512	27.23
850	5.16	34.520	27.28
900	4.96	34.521	27.30
950	4.81	34.526	27.32
1000	4.61	34.530	27.35

EPOCS EP4-85-RS CTD 50 RESEARCHER

Date 11 20 85 Latitude 15.017 S

Time 0556 Z Longitude 96.997 W

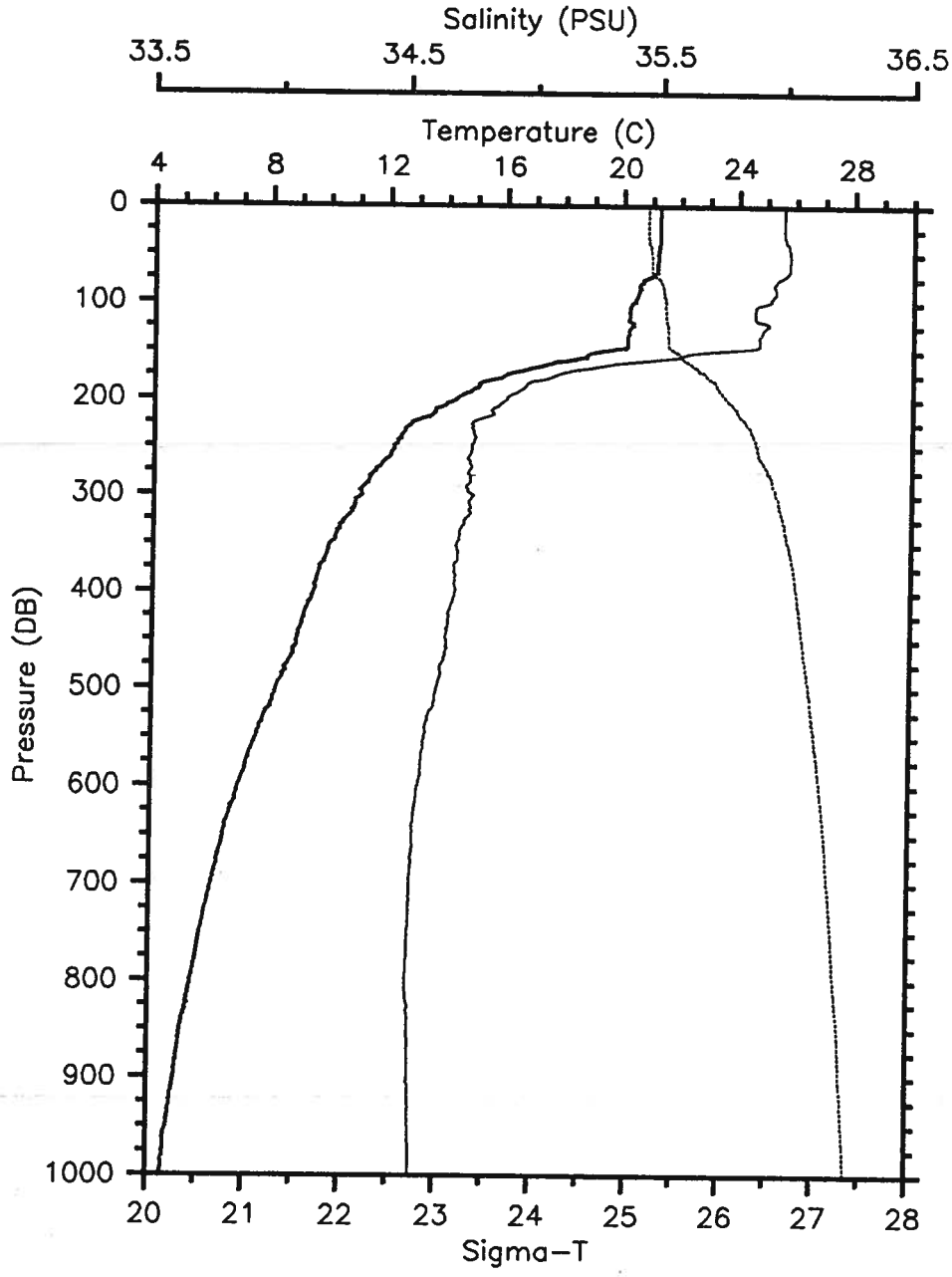


Prs	Tem	Sal	SigT
0	21.38	35.935	25.10
10	21.37	35.934	25.10
20	21.38	35.934	25.10
30	21.37	35.935	25.10
40	21.35	35.941	25.12
50	21.27	35.946	25.14
60	21.24	35.988	25.18
70	21.09	35.971	25.21
80	20.76	35.947	25.28
90	20.57	35.915	25.31
100	20.44	35.897	25.33
110	20.41	35.893	25.33
120	20.33	35.878	25.34
130	20.18	35.845	25.36
140	19.98	35.796	25.38
150	18.95	35.595	25.49
160	18.06	35.421	25.58
170	17.43	35.310	25.65
180	16.05	35.088	25.80
190	15.48	35.012	25.88
200	14.89	34.932	25.95
210	13.91	34.847	26.09
220	13.36	34.816	26.18
230	13.23	34.822	26.21
240	13.01	34.836	26.26
250	12.79	34.833	26.31
260	12.50	34.834	26.36
270	12.27	34.825	26.40
280	11.98	34.803	26.44
290	11.85	34.797	26.46
300	11.62	34.787	26.50
350	10.44	34.738	26.67
400	9.61	34.696	26.78
450	8.76	34.654	26.89
500	8.13	34.618	26.95
550	7.47	34.569	27.01
600	6.99	34.547	27.06
650	6.58	34.532	27.11
700	6.22	34.523	27.15
750	5.87	34.516	27.19
800	5.64	34.527	27.22
850	5.39	34.525	27.25
900	5.10	34.525	27.29
950	4.83	34.528	27.32
1000	4.63	34.532	27.35

EPOCS EP4-85-RS CTD 51 RESEARCHER

Date 11 20 85 Latitude 15.000 S

Time 1039 Z Longitude 96.000 W

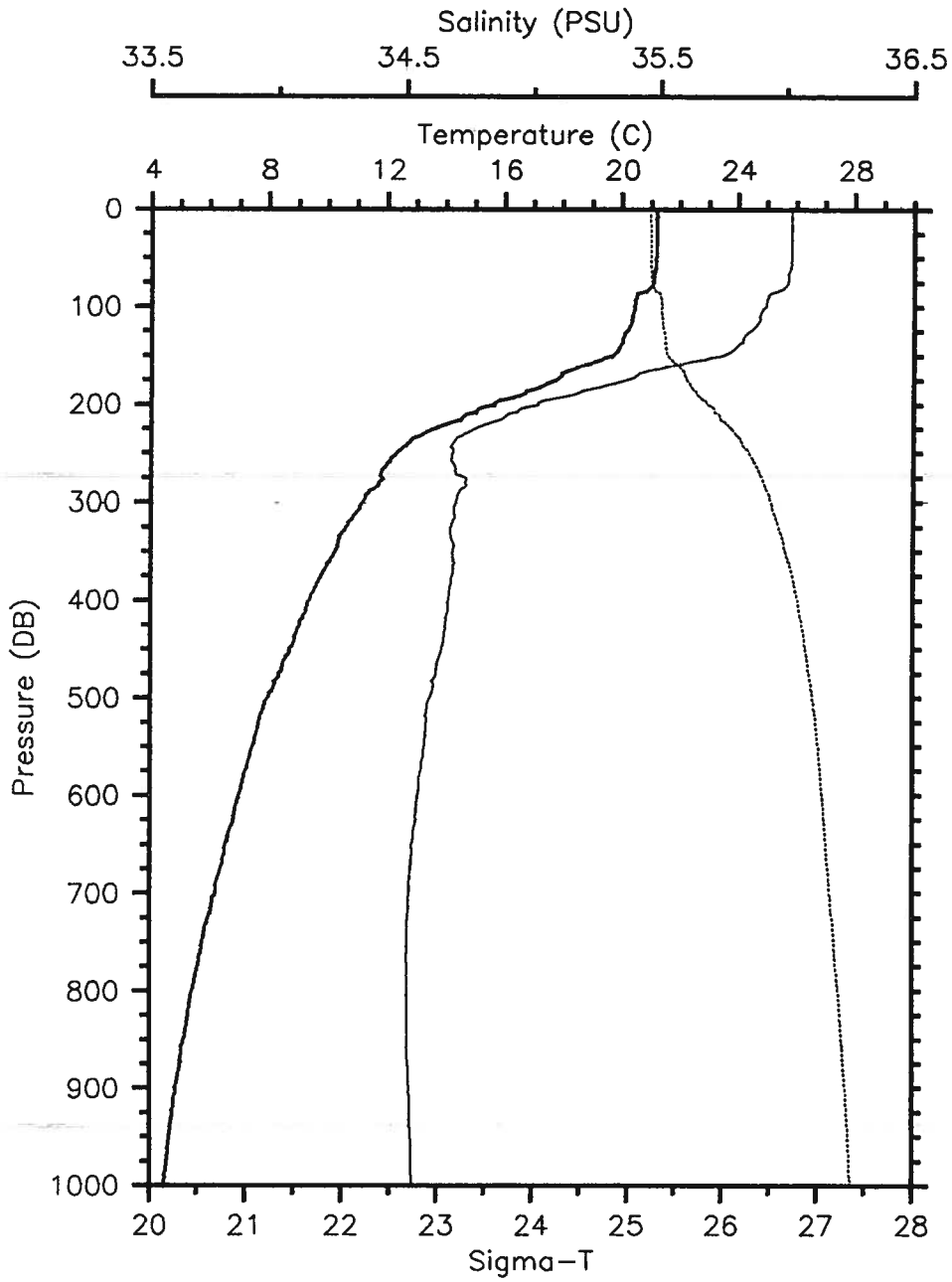


Prs	Tem	Sal	SigT
0	21.24	35.987	25.18
10	21.24	35.987	25.18
20	21.24	35.987	25.18
30	21.25	35.989	25.18
40	21.23	36.005	25.20
50	21.18	36.010	25.21
60	21.16	36.010	25.22
70	21.06	36.000	25.24
80	20.59	35.951	25.33
90	20.51	35.954	25.35
100	20.33	35.920	25.38
110	20.21	35.871	25.37
120	20.31	35.918	25.38
130	20.19	35.901	25.40
140	20.16	35.891	25.40
150	19.26	35.678	25.47
160	18.10	35.439	25.59
170	16.57	35.148	25.73
180	15.51	35.028	25.88
190	14.91	34.947	25.95
200	14.30	34.888	26.04
210	13.61	34.832	26.14
220	13.17	34.793	26.20
230	12.57	34.752	26.29
240	12.42	34.766	26.33
250	12.18	34.751	26.36
260	12.02	34.739	26.38
270	11.71	34.751	26.45
280	11.38	34.745	26.51
290	11.18	34.732	26.53
300	11.10	34.758	26.57
350	10.04	34.693	26.71
400	9.48	34.687	26.79
450	8.92	34.656	26.86
500	8.23	34.619	26.94
550	7.57	34.573	27.00
600	6.99	34.549	27.06
650	6.50	34.530	27.12
700	6.13	34.523	27.16
750	5.75	34.516	27.20
800	5.45	34.510	27.23
850	5.10	34.521	27.28
900	4.91	34.523	27.31
950	4.67	34.527	27.34
1000	4.48	34.533	27.36

EPOCS EP4-85-RS CTD 52 RESEARCHER

Date 11 20 85 Latitude 14.985 S

Time 1619 Z Longitude 95.003 W

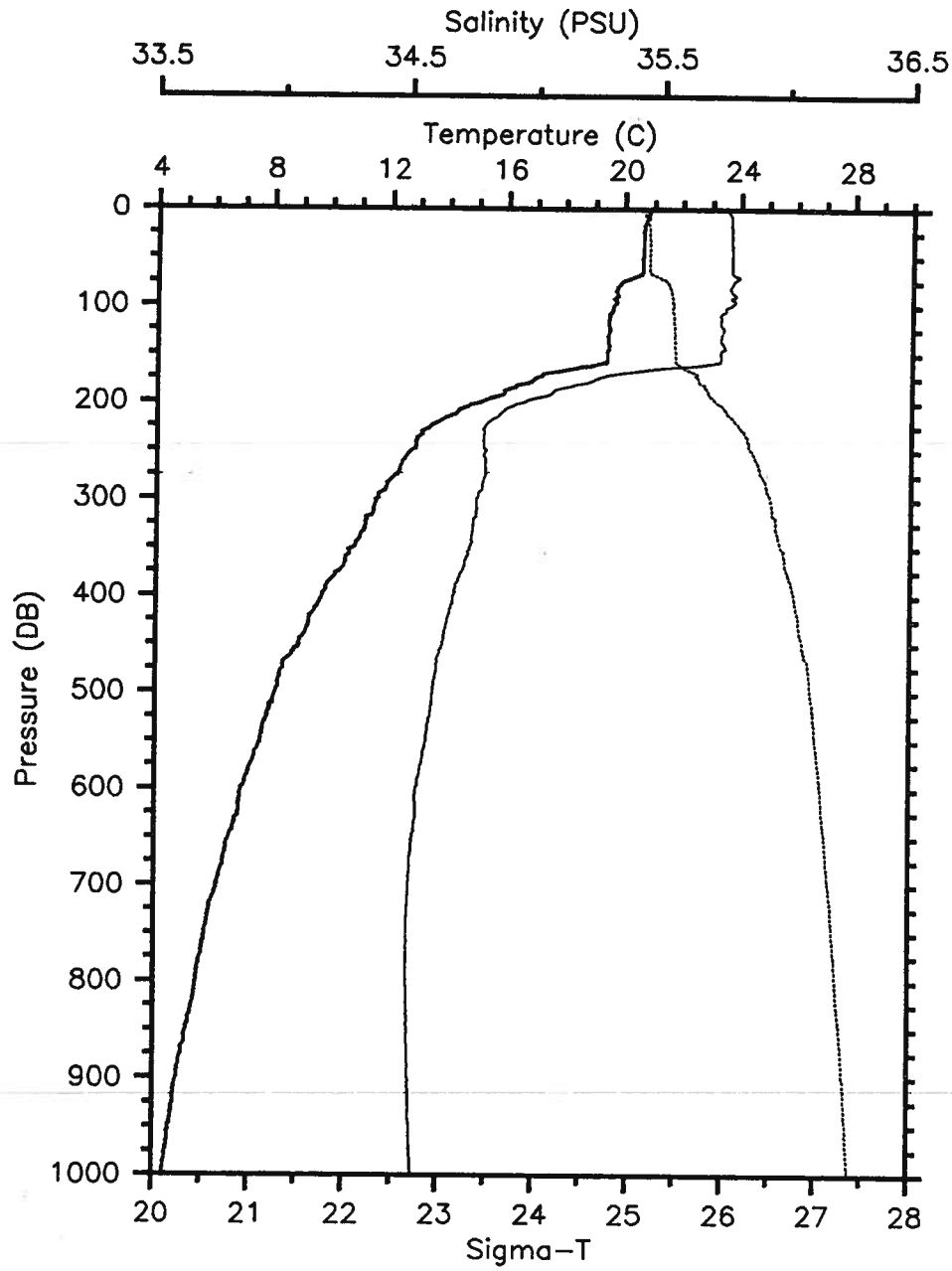


Prs	Tem	Sal	SigT
0	21.19	36.019	25.22
10	21.19	36.019	25.22
20	21.17	36.019	25.22
30	21.17	36.019	25.22
40	21.17	36.019	25.22
50	21.17	36.018	25.22
60	21.16	36.015	25.23
70	21.09	36.006	25.24
80	20.99	35.992	25.25
90	20.50	35.926	25.34
100	20.44	35.917	25.35
110	20.36	35.892	25.35
120	20.26	35.875	25.36
130	20.07	35.833	25.38
140	19.96	35.805	25.39
150	19.70	35.745	25.41
160	18.65	35.548	25.53
170	17.94	35.404	25.60
180	17.36	35.289	25.65
190	16.62	35.160	25.73
200	15.67	35.021	25.84
210	14.72	34.899	25.96
220	14.10	34.822	26.03
230	13.27	34.732	26.13
240	12.74	34.684	26.20
250	12.34	34.684	26.28
260	12.05	34.684	26.33
270	11.83	34.696	26.39
280	11.77	34.732	26.43
290	11.40	34.707	26.47
300	11.18	34.695	26.51
350	10.26	34.684	26.66
400	9.38	34.666	26.80
450	8.73	34.641	26.88
500	8.01	34.596	26.96
550	7.49	34.574	27.01
600	7.04	34.549	27.06
650	6.58	34.526	27.10
700	6.24	34.517	27.14
750	5.81	34.510	27.19
800	5.47	34.511	27.23
850	5.17	34.509	27.27
900	4.90	34.517	27.30
950	4.67	34.523	27.33
1000	4.48	34.529	27.36

EPOCS EP4-85-RS CTD 53 RESEARCHER

Date 11 20 85 Latitude 15.000 S

Time 2151 Z Longitude 93.969 W

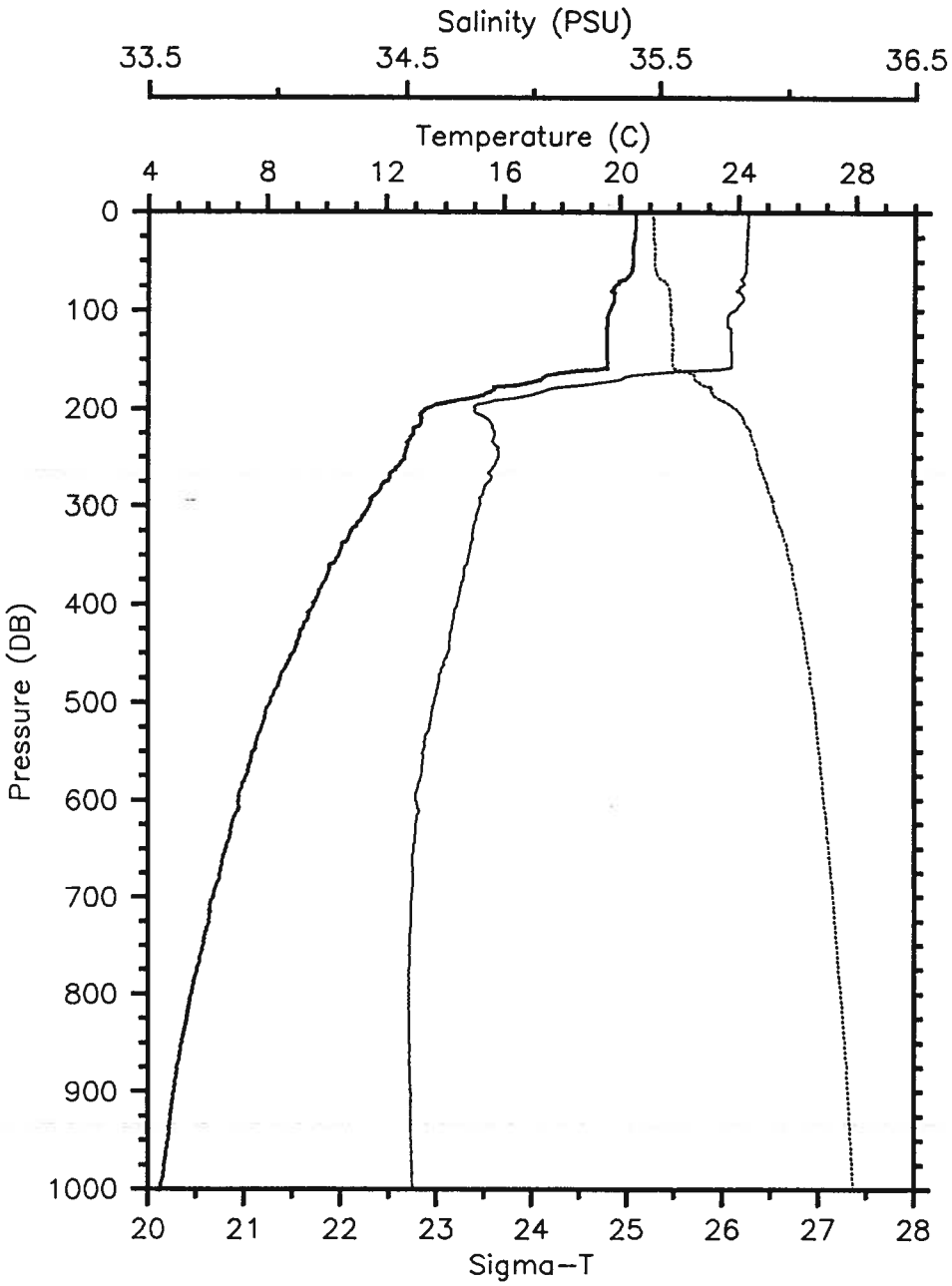


Prs	Tem	Sal	SigT
0	20.82	35.751	25.12
10	20.77	35.767	25.14
20	20.65	35.769	25.18
30	20.63	35.770	25.18
40	20.63	35.770	25.18
50	20.62	35.771	25.19
60	20.62	35.771	25.19
70	20.33	35.802	25.29
80	19.81	35.770	25.40
90	19.75	35.787	25.43
100	19.64	35.766	25.44
110	19.51	35.727	25.45
120	19.49	35.730	25.45
130	19.47	35.732	25.46
140	19.49	35.741	25.46
150	19.44	35.730	25.47
160	19.17	35.682	25.50
170	17.27	35.324	25.70
180	16.73	35.199	25.73
190	15.91	35.064	25.82
200	15.11	34.951	25.91
210	14.33	34.868	26.02
220	13.71	34.819	26.11
230	13.13	34.798	26.21
240	12.91	34.795	26.25
250	12.77	34.805	26.29
260	12.47	34.803	26.35
270	12.32	34.802	26.37
280	12.02	34.794	26.43
290	11.84	34.786	26.45
300	11.55	34.767	26.49
350	10.78	34.740	26.61
400	9.71	34.678	26.75
450	8.93	34.637	26.84
500	8.14	34.600	26.94
550	7.63	34.576	27.00
600	6.98	34.535	27.06
650	6.57	34.523	27.10
700	6.16	34.510	27.15
750	5.75	34.502	27.19
800	5.45	34.503	27.23
850	5.11	34.506	27.27
900	4.82	34.512	27.31
950	4.54	34.520	27.35
1000	4.35	34.528	27.37

EPOCS EP4-85-RS CTD 54 RESEARCHER

Date 11 21 85 Latitude 14.984 S

Time 0328 Z Longitude 92.998 W

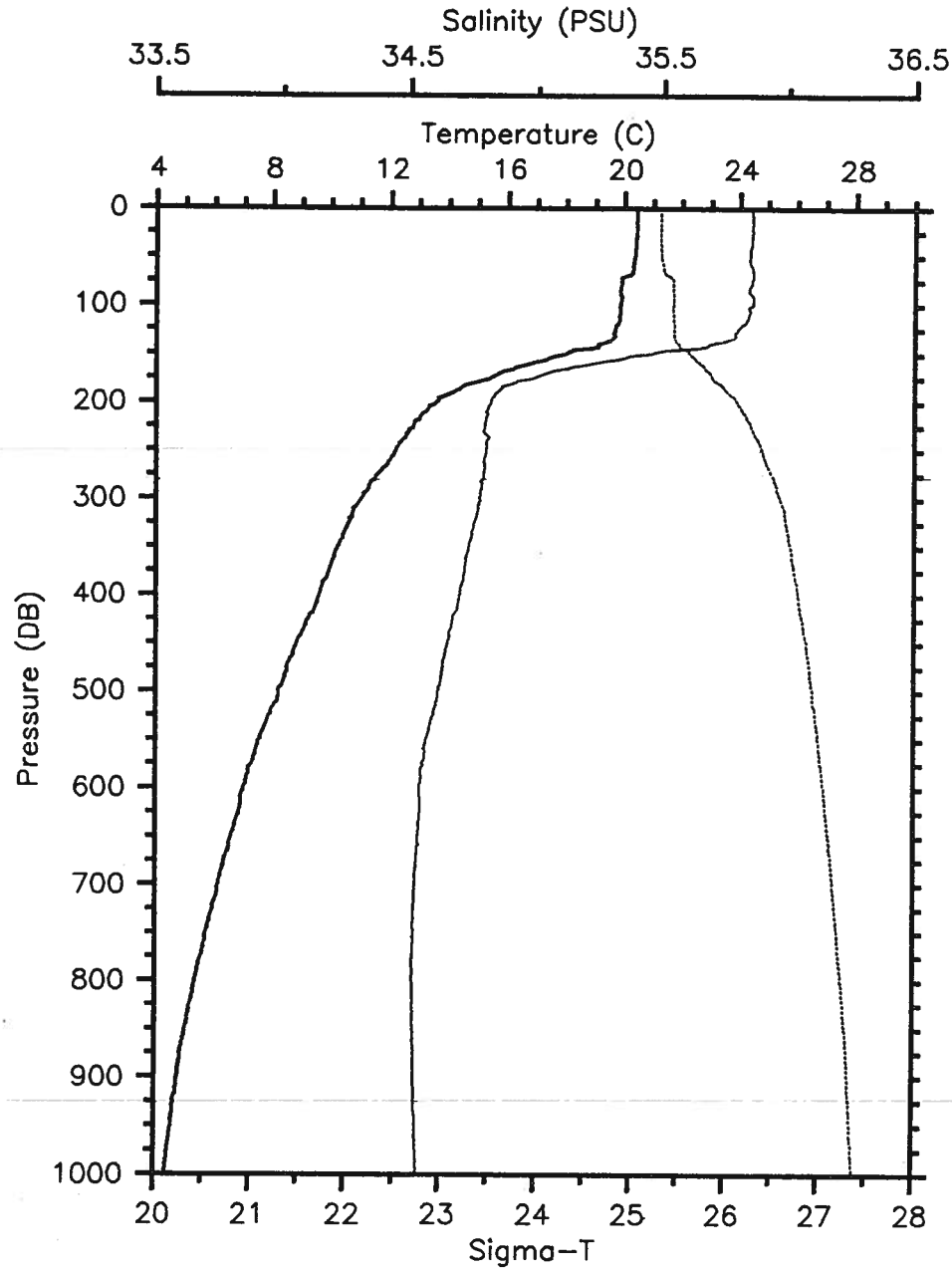


Prs	Tem	Sal	SigT
0	20.53	35.845	25.27
10	20.52	35.846	25.27
20	20.51	35.844	25.27
30	20.46	35.840	25.28
40	20.44	35.840	25.29
50	20.43	35.839	25.29
60	20.38	35.837	25.30
70	19.99	35.825	25.40
80	19.73	35.799	25.45
90	19.79	35.826	25.45
100	19.64	35.792	25.46
110	19.58	35.768	25.46
120	19.56	35.779	25.47
130	19.56	35.780	25.47
140	19.56	35.781	25.47
150	19.57	35.783	25.47
160	19.22	35.734	25.53
170	17.32	35.351	25.71
180	15.70	35.064	25.87
190	14.77	34.918	25.96
200	13.37	34.773	26.14
210	13.22	34.819	26.21
220	13.00	34.841	26.27
230	12.85	34.847	26.30
240	12.73	34.867	26.34
250	12.64	34.866	26.36
260	12.39	34.846	26.40
270	12.16	34.840	26.43
280	11.87	34.813	26.47
290	11.62	34.799	26.51
300	11.48	34.792	26.53
350	10.43	34.749	26.68
400	9.60	34.702	26.79
450	8.89	34.666	26.87
500	8.12	34.615	26.95
550	7.54	34.572	27.01
600	7.06	34.544	27.05
650	6.62	34.535	27.10
700	6.20	34.528	27.15
750	5.86	34.518	27.19
800	5.45	34.517	27.24
850	5.14	34.518	27.28
900	4.88	34.523	27.31
950	4.68	34.526	27.34
1000	4.42	34.533	27.37

EPOCS EP4-85-RS CTD 55 RESEARCHER

Date 11 21 85 Latitude 14.992 S

Time 0959 Z Longitude 92.004 W

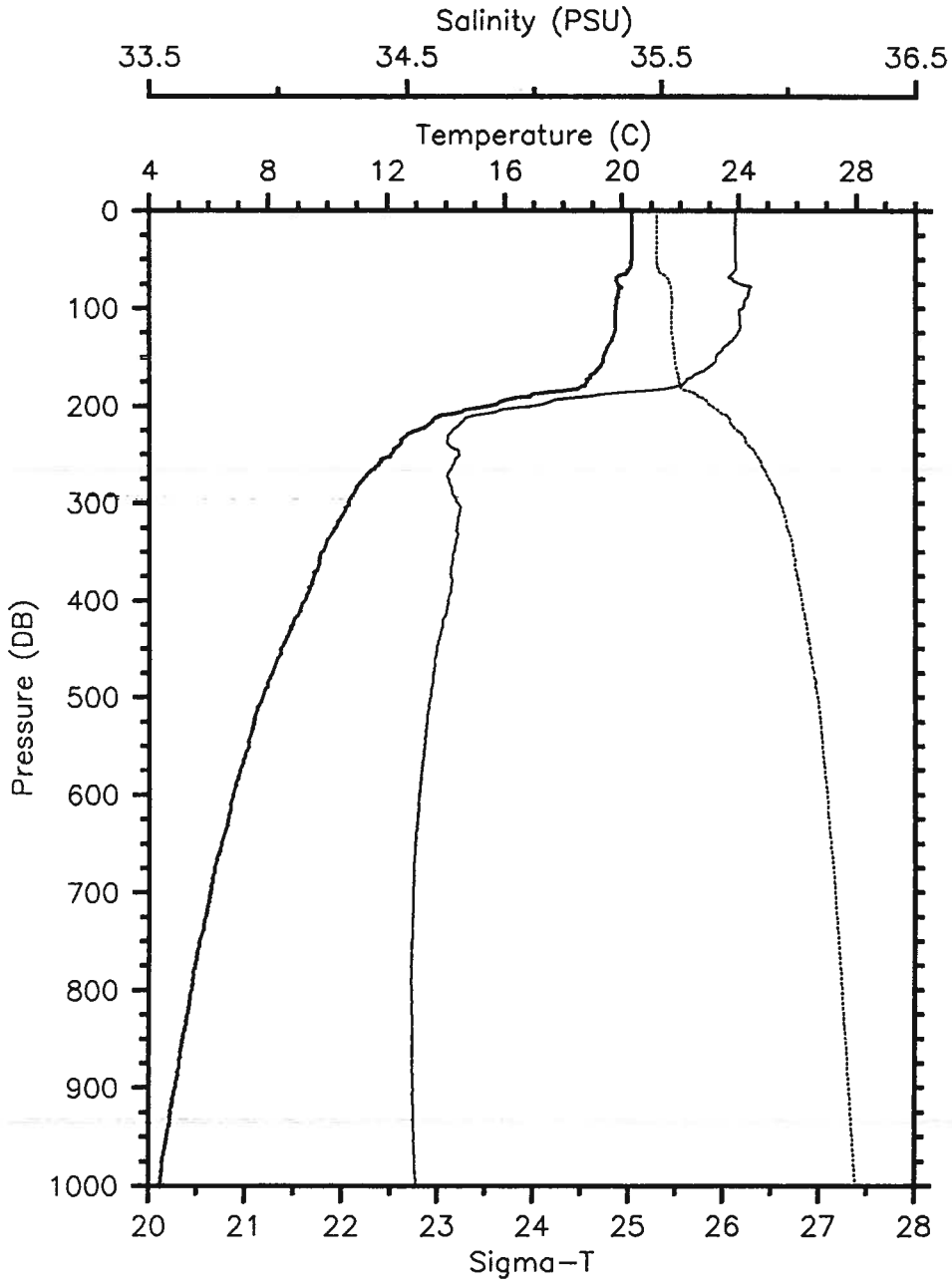


Prs	Tem	Sal	SigT
0	20.42	35.857	25.31
10	20.42	35.858	25.31
20	20.42	35.857	25.30
30	20.40	35.855	25.31
40	20.38	35.852	25.31
50	20.35	35.849	25.32
60	20.30	35.856	25.34
70	20.06	35.860	25.40
80	19.89	35.852	25.44
90	19.90	35.860	25.45
100	19.87	35.859	25.45
110	19.85	35.843	25.45
120	19.74	35.815	25.45
130	19.66	35.791	25.46
140	19.13	35.685	25.51
150	18.00	35.453	25.62
160	16.82	35.227	25.73
170	15.72	35.035	25.84
180	14.86	34.915	25.94
190	14.19	34.845	26.03
200	13.60	34.819	26.13
210	13.25	34.802	26.19
220	12.89	34.799	26.26
230	12.65	34.792	26.30
240	12.41	34.805	26.36
250	12.19	34.802	26.40
260	11.99	34.793	26.43
270	11.73	34.795	26.48
280	11.49	34.792	26.52
290	11.28	34.783	26.56
300	11.04	34.776	26.59
350	10.25	34.734	26.70
400	9.60	34.697	26.78
450	8.84	34.652	26.87
500	8.23	34.615	26.94
550	7.56	34.568	27.00
600	7.00	34.542	27.06
650	6.60	34.536	27.11
700	6.15	34.524	27.16
750	5.74	34.519	27.21
800	5.37	34.515	27.25
850	5.03	34.518	27.29
900	4.78	34.523	27.32
950	4.57	34.530	27.35
1000	4.36	34.538	27.38

EPOCS EP4-85-RS CTD 56 RESEARCHER

Date 11 21 85 Latitude 14.985 S

Time 1357 Z Longitude 90.992 W

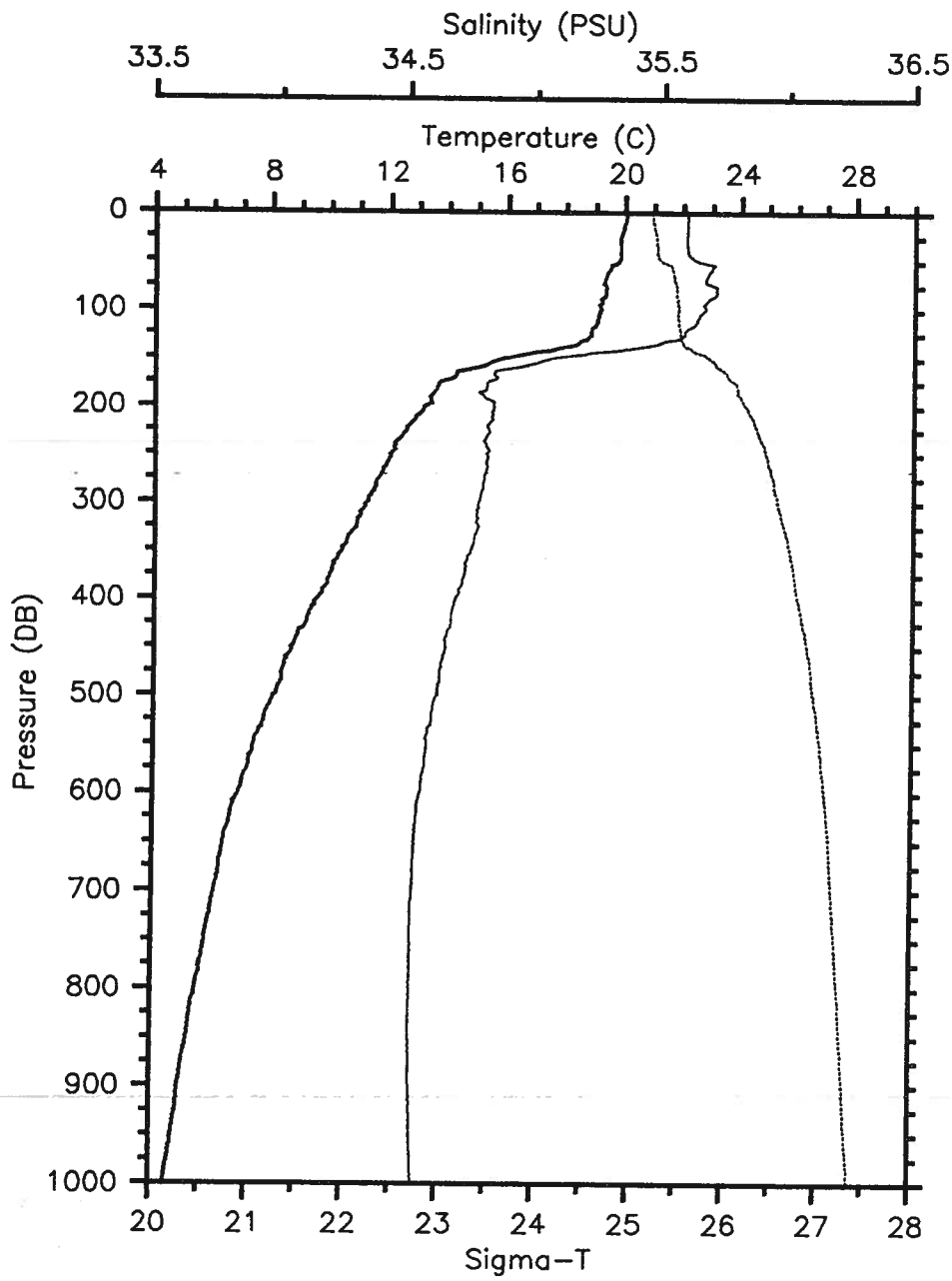


Prs	Tem	Sal	SigT
0	20.32	35.794	25.28
10	20.31	35.794	25.29
20	20.32	35.793	25.28
30	20.32	35.794	25.29
40	20.32	35.794	25.29
50	20.31	35.795	25.29
60	20.22	35.794	25.31
70	19.81	35.784	25.41
80	19.91	35.851	25.44
90	19.83	35.835	25.45
100	19.80	35.826	25.45
110	19.78	35.812	25.44
120	19.78	35.814	25.44
130	19.67	35.791	25.45
140	19.49	35.748	25.47
150	19.36	35.720	25.48
160	19.24	35.692	25.49
170	18.94	35.626	25.52
180	18.62	35.555	25.54
190	16.89	35.232	25.72
200	15.43	34.997	25.87
210	13.83	34.764	26.04
220	13.40	34.707	26.09
230	12.65	34.662	26.20
240	12.42	34.664	26.25
250	12.14	34.706	26.33
260	11.75	34.686	26.39
270	11.37	34.663	26.45
280	11.09	34.669	26.50
290	10.88	34.680	26.55
300	10.73	34.699	26.59
350	9.83	34.687	26.74
400	9.23	34.663	26.82
450	8.45	34.619	26.91
500	7.83	34.595	26.98
550	7.35	34.572	27.03
600	6.84	34.551	27.09
650	6.45	34.535	27.13
700	6.08	34.528	27.17
750	5.71	34.523	27.21
800	5.45	34.523	27.24
850	5.13	34.524	27.28
900	4.90	34.528	27.31
950	4.60	34.533	27.35
1000	4.38	34.538	27.38

EPOCS EP4-85-RS CTD 57 RESEARCHER

Date 11 21 85 Latitude 14.995 S

Time 1630 Z Longitude 89.999 W

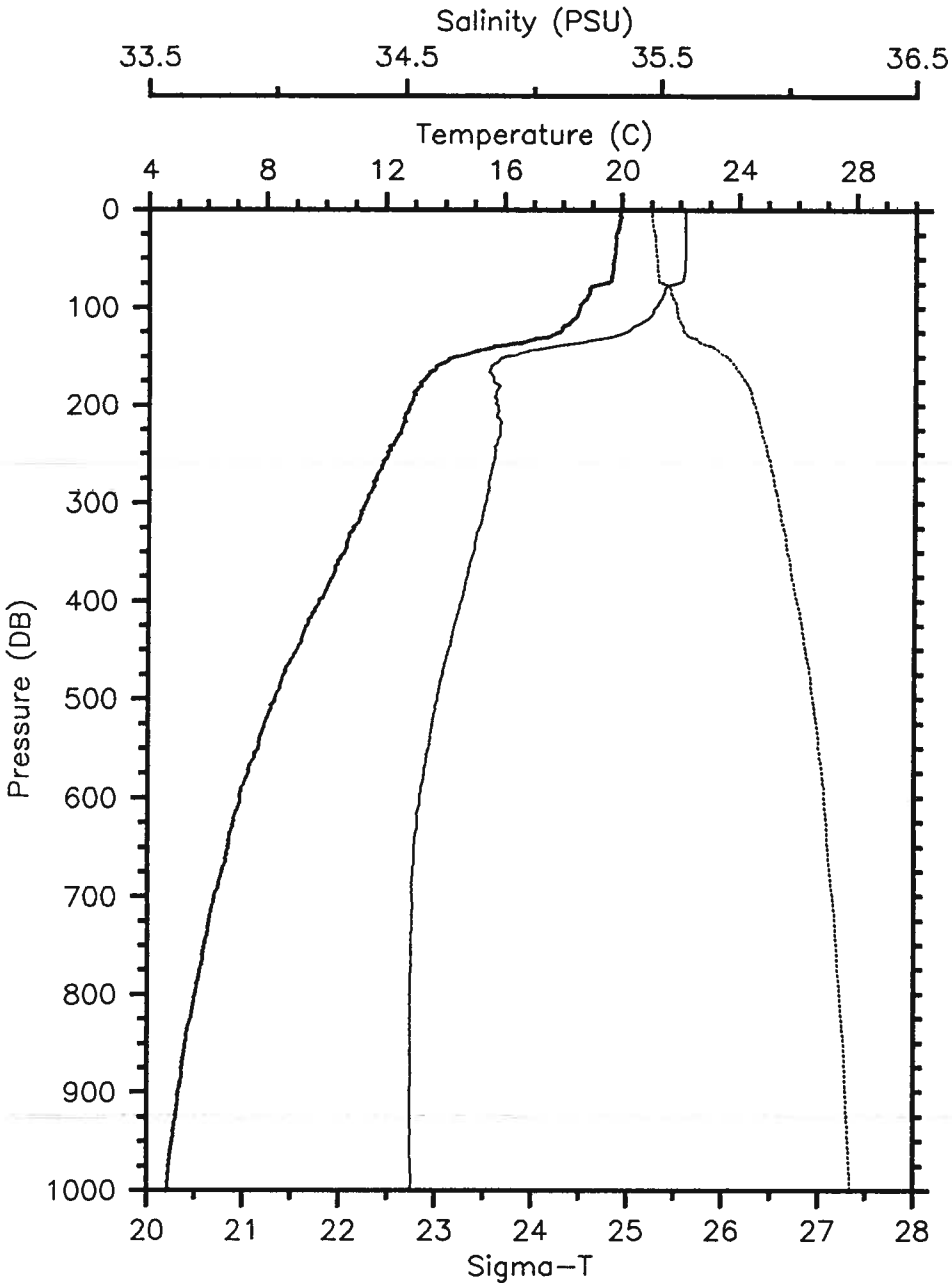


Prs	Tem	Sal	SigT
0	20.05	35.593	25.20
10	20.00	35.591	25.21
20	19.91	35.590	25.24
30	19.84	35.590	25.26
40	19.83	35.594	25.26
50	19.79	35.636	25.30
60	19.44	35.681	25.43
70	19.32	35.665	25.45
80	19.36	35.707	25.47
90	19.23	35.673	25.48
100	19.17	35.664	25.49
110	19.07	35.632	25.49
120	18.87	35.589	25.51
130	18.75	35.555	25.51
140	17.74	35.377	25.63
150	15.89	35.062	25.82
160	14.94	34.927	25.93
170	14.19	34.844	26.03
180	13.61	34.803	26.12
190	13.40	34.791	26.15
200	13.18	34.833	26.23
210	12.93	34.826	26.27
220	12.69	34.806	26.30
230	12.45	34.808	26.35
240	12.18	34.803	26.40
250	12.02	34.802	26.43
260	11.89	34.801	26.46
270	11.72	34.800	26.49
280	11.54	34.789	26.51
290	11.41	34.782	26.53
300	11.24	34.772	26.55
350	10.40	34.741	26.68
400	9.56	34.685	26.78
450	8.70	34.647	26.89
500	8.11	34.620	26.96
550	7.42	34.576	27.03
600	6.92	34.551	27.08
650	6.42	34.531	27.13
700	6.12	34.524	27.16
750	5.82	34.521	27.20
800	5.50	34.519	27.24
850	5.22	34.518	27.27
900	4.94	34.522	27.30
950	4.73	34.526	27.33
1000	4.48	34.533	27.36

EPOCS EP4-85-RS CTD 58 RESEARCHER

Date 11 22 85 Latitude 15.012 S

Time 0237 Z Longitude 88.995 W

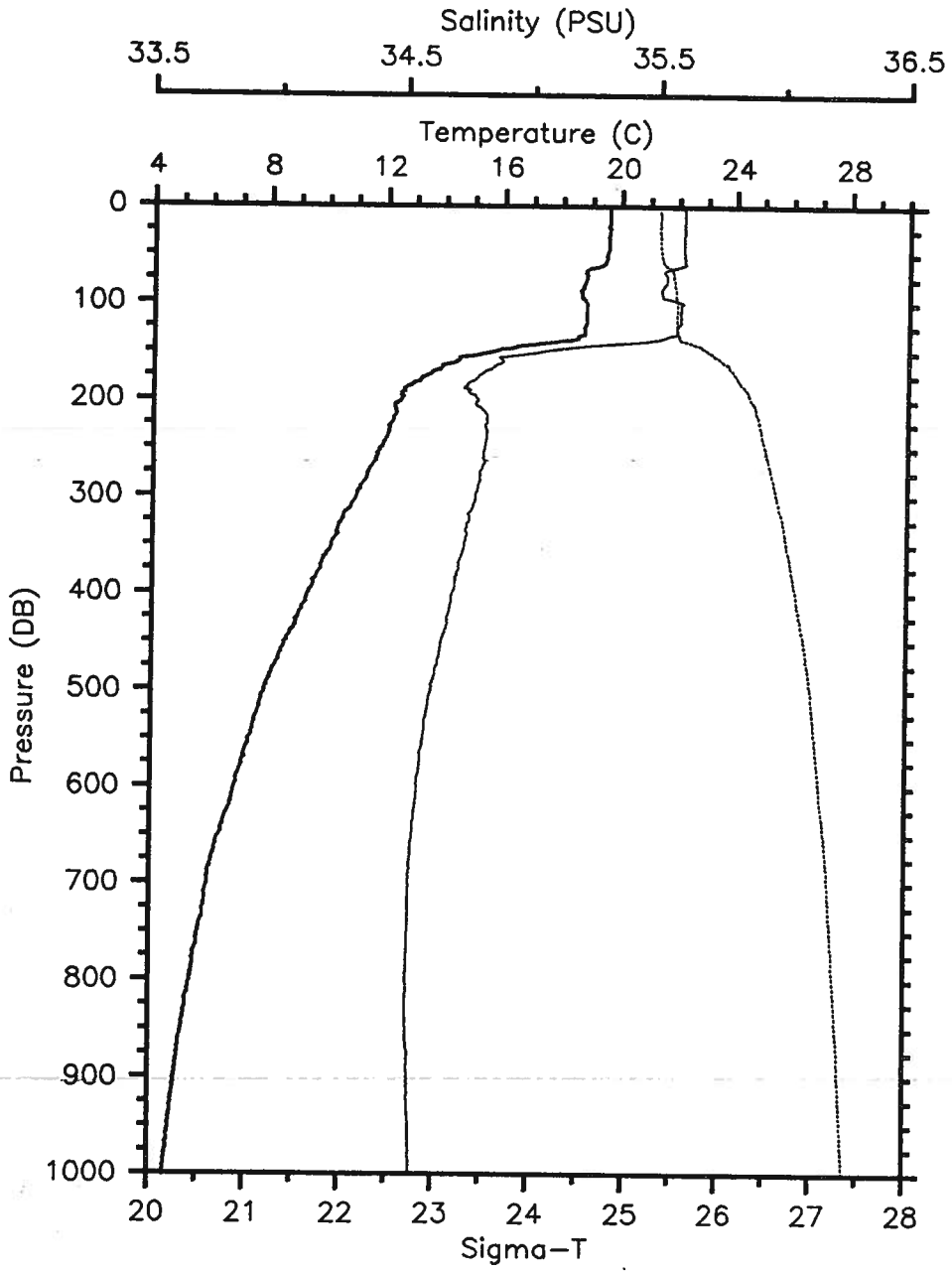


Prs	Tem	Sal	SigT
0	19.95	35.594	25.23
10	19.92	35.596	25.24
20	19.86	35.596	25.25
30	19.80	35.596	25.27
40	19.77	35.597	25.28
50	19.74	35.596	25.29
60	19.70	35.594	25.30
70	19.65	35.589	25.31
80	18.94	35.515	25.43
90	18.80	35.504	25.46
100	18.55	35.481	25.50
110	18.44	35.458	25.51
120	18.00	35.385	25.57
130	17.52	35.308	25.63
140	15.69	35.078	25.88
150	14.31	34.886	26.03
160	13.71	34.832	26.12
170	13.40	34.841	26.19
180	13.19	34.867	26.25
190	12.95	34.849	26.29
200	12.80	34.860	26.32
210	12.65	34.856	26.35
220	12.57	34.867	26.38
230	12.45	34.868	26.40
240	12.26	34.855	26.43
250	12.09	34.848	26.45
260	11.91	34.841	26.48
270	11.74	34.832	26.51
280	11.63	34.825	26.52
290	11.48	34.819	26.55
300	11.34	34.812	26.57
350	10.64	34.767	26.66
400	9.80	34.717	26.76
450	9.03	34.671	26.86
500	8.31	34.629	26.94
550	7.75	34.595	26.99
600	7.14	34.564	27.06
650	6.73	34.541	27.09
700	6.28	34.532	27.15
750	5.93	34.530	27.19
800	5.63	34.526	27.22
850	5.29	34.528	27.27
900	5.06	34.527	27.29
950	4.85	34.528	27.32
1000	4.68	34.532	27.34

EPOCS EP4-85-RS CTD 59 RESEARCHER

Date 11 22 85 Latitude 15.011 S

Time 0747 Z Longitude 88.007 W

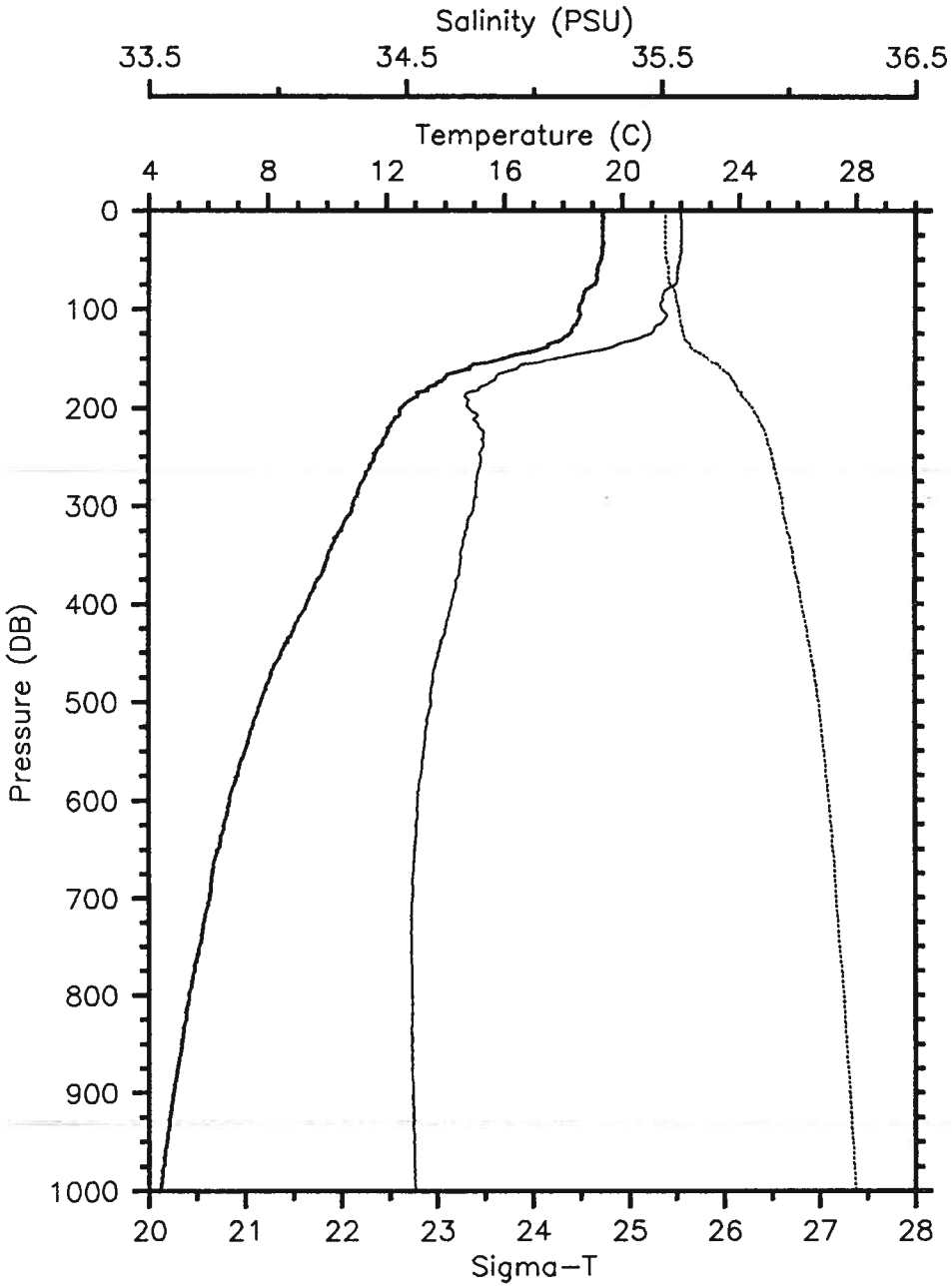


Prs	Tem	Sal	SigT
0	19.57	35.593	25.33
10	19.57	35.596	25.33
20	19.56	35.596	25.33
30	19.56	35.594	25.33
40	19.55	35.594	25.33
50	19.50	35.596	25.35
60	19.38	35.601	25.38
70	18.80	35.524	25.47
80	18.74	35.525	25.49
90	18.64	35.509	25.50
100	18.81	35.594	25.52
110	18.81	35.582	25.52
120	18.81	35.583	25.52
130	18.75	35.570	25.52
140	17.86	35.434	25.64
150	15.64	35.037	25.86
160	14.40	34.883	26.01
170	13.59	34.813	26.13
180	13.15	34.770	26.18
190	12.63	34.756	26.28
200	12.51	34.786	26.32
210	12.32	34.802	26.37
220	12.24	34.820	26.40
230	12.10	34.819	26.43
240	11.99	34.820	26.45
250	11.80	34.814	26.48
260	11.66	34.808	26.51
270	11.47	34.805	26.54
280	11.33	34.795	26.56
290	11.11	34.788	26.59
300	10.99	34.779	26.60
350	10.16	34.735	26.72
400	9.34	34.690	26.82
450	8.56	34.648	26.91
500	7.88	34.608	26.98
550	7.34	34.580	27.04
600	6.87	34.558	27.09
650	6.34	34.540	27.15
700	5.96	34.528	27.18
750	5.67	34.526	27.22
800	5.40	34.521	27.25
850	5.11	34.522	27.28
900	4.88	34.528	27.32
950	4.69	34.534	27.34
1000	4.51	34.539	27.37

EPOCS EP4-85-RS CTD 60 RESEARCHER

Date 11 22 85 Latitude 14.990 S

Time 1022 Z Longitude 87.000 W

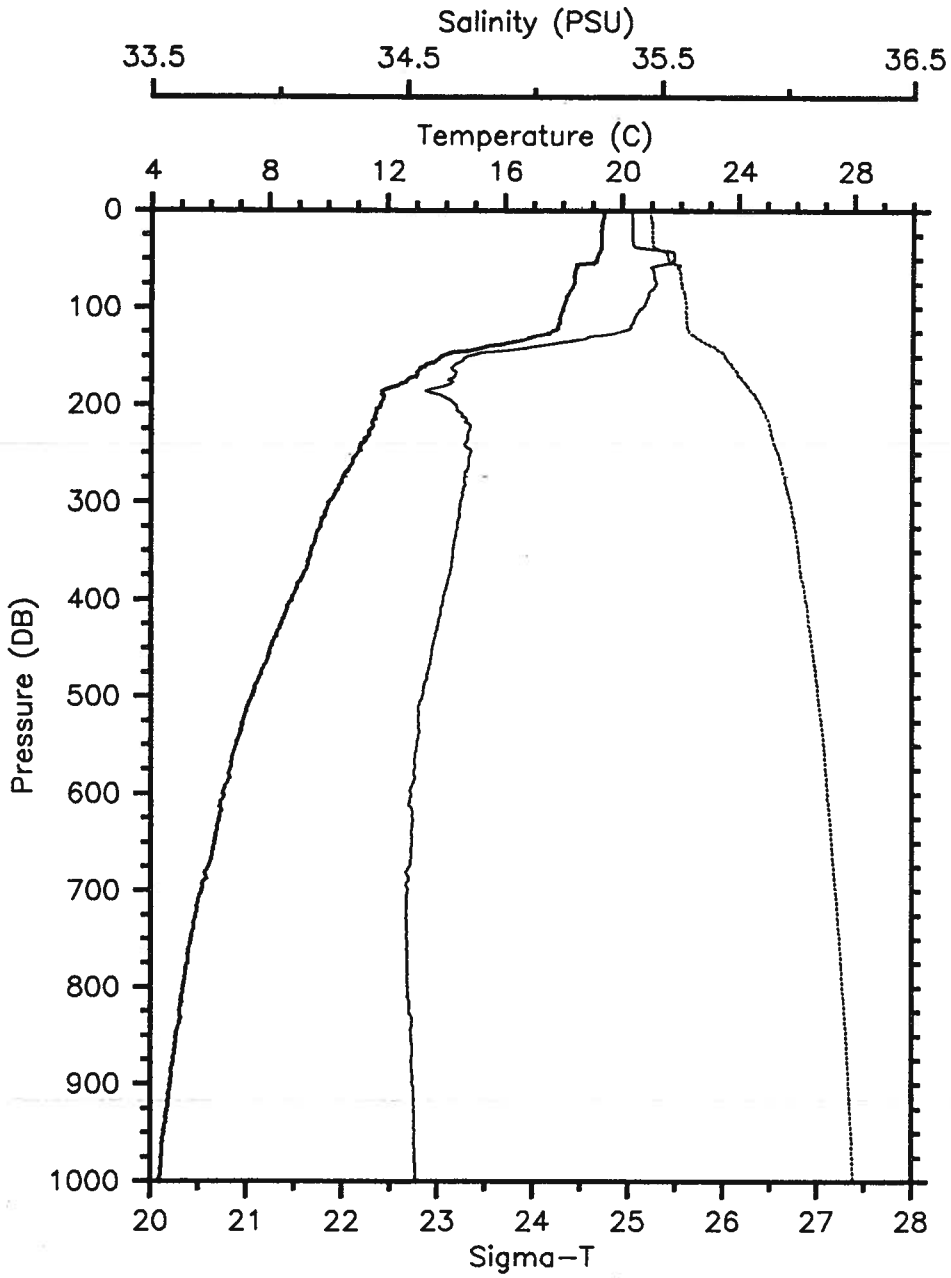


Prs	Tem	Sal	SigT
0	19.35	35.573	25.37
10	19.34	35.578	25.38
20	19.34	35.578	25.38
30	19.34	35.578	25.38
40	19.34	35.578	25.38
50	19.29	35.574	25.39
60	19.17	35.565	25.41
70	19.16	35.563	25.41
80	18.83	35.526	25.47
90	18.67	35.508	25.50
100	18.55	35.503	25.52
110	18.53	35.516	25.53
120	18.31	35.472	25.56
130	18.00	35.410	25.59
140	17.33	35.292	25.66
150	15.97	35.086	25.82
160	14.87	34.939	25.95
170	13.99	34.852	26.08
180	13.43	34.786	26.14
190	12.96	34.739	26.20
200	12.48	34.749	26.30
210	12.31	34.774	26.36
220	12.10	34.786	26.41
230	11.97	34.807	26.45
240	11.79	34.804	26.48
250	11.61	34.797	26.50
260	11.48	34.792	26.53
270	11.30	34.781	26.55
280	11.12	34.779	26.58
290	10.98	34.774	26.60
300	10.89	34.769	26.62
350	10.05	34.718	26.72
400	9.32	34.682	26.82
450	8.47	34.630	26.91
500	7.78	34.601	26.99
550	7.26	34.571	27.05
600	6.73	34.548	27.10
650	6.33	34.538	27.15
700	6.05	34.528	27.17
750	5.72	34.524	27.21
800	5.36	34.527	27.26
850	5.11	34.526	27.29
900	4.83	34.530	27.32
950	4.60	34.533	27.35
1000	4.37	34.540	27.38

EPOCS EP4-85-RS CTD 61 RESEARCHER

Date 11 22 85 Latitude 14.983 S

Time 1531 Z Longitude 86.007 W

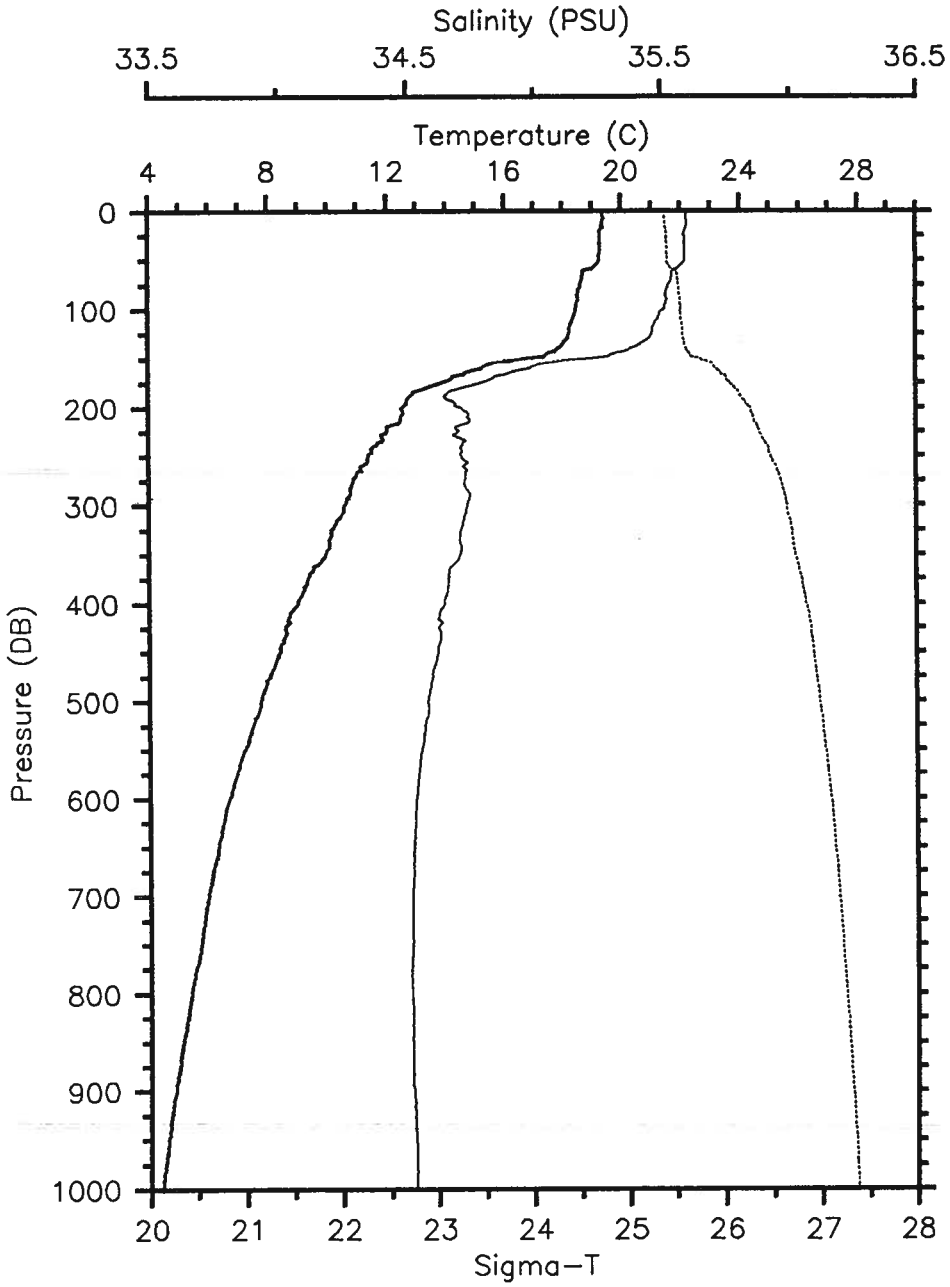


Prs	Tem	Sal	SigT
0	19.37	35.384	25.22
10	19.33	35.385	25.23
20	19.30	35.385	25.24
30	19.29	35.387	25.24
40	19.28	35.472	25.31
50	19.14	35.551	25.41
60	18.42	35.468	25.53
70	18.39	35.473	25.54
80	18.29	35.470	25.56
90	18.11	35.446	25.59
100	18.02	35.430	25.60
110	17.90	35.396	25.60
120	17.84	35.382	25.60
130	16.97	35.224	25.69
140	15.41	35.011	25.89
150	13.87	34.741	26.01
160	13.33	34.684	26.08
170	13.00	34.690	26.15
180	12.40	34.657	26.25
190	11.88	34.634	26.33
200	11.81	34.697	26.39
210	11.61	34.721	26.45
220	11.52	34.749	26.48
230	11.39	34.743	26.50
240	11.14	34.731	26.54
250	11.02	34.751	26.58
260	10.83	34.747	26.61
270	10.61	34.730	26.64
280	10.48	34.731	26.66
290	10.29	34.720	26.68
300	10.07	34.712	26.71
350	9.46	34.686	26.80
400	8.78	34.646	26.88
450	8.06	34.603	26.95
500	7.42	34.564	27.02
550	6.90	34.543	27.07
600	6.47	34.521	27.11
650	6.17	34.522	27.15
700	5.72	34.505	27.20
750	5.37	34.504	27.24
800	5.10	34.506	27.27
850	4.85	34.521	27.31
900	4.64	34.526	27.34
950	4.45	34.535	27.37
1000	4.29	34.538	27.39

EPOCS EP4-85-RS CTD 62 RESEARCHER

Date 11 22 85 Latitude 15.015 S

Time 2021 Z Longitude 85.015 W

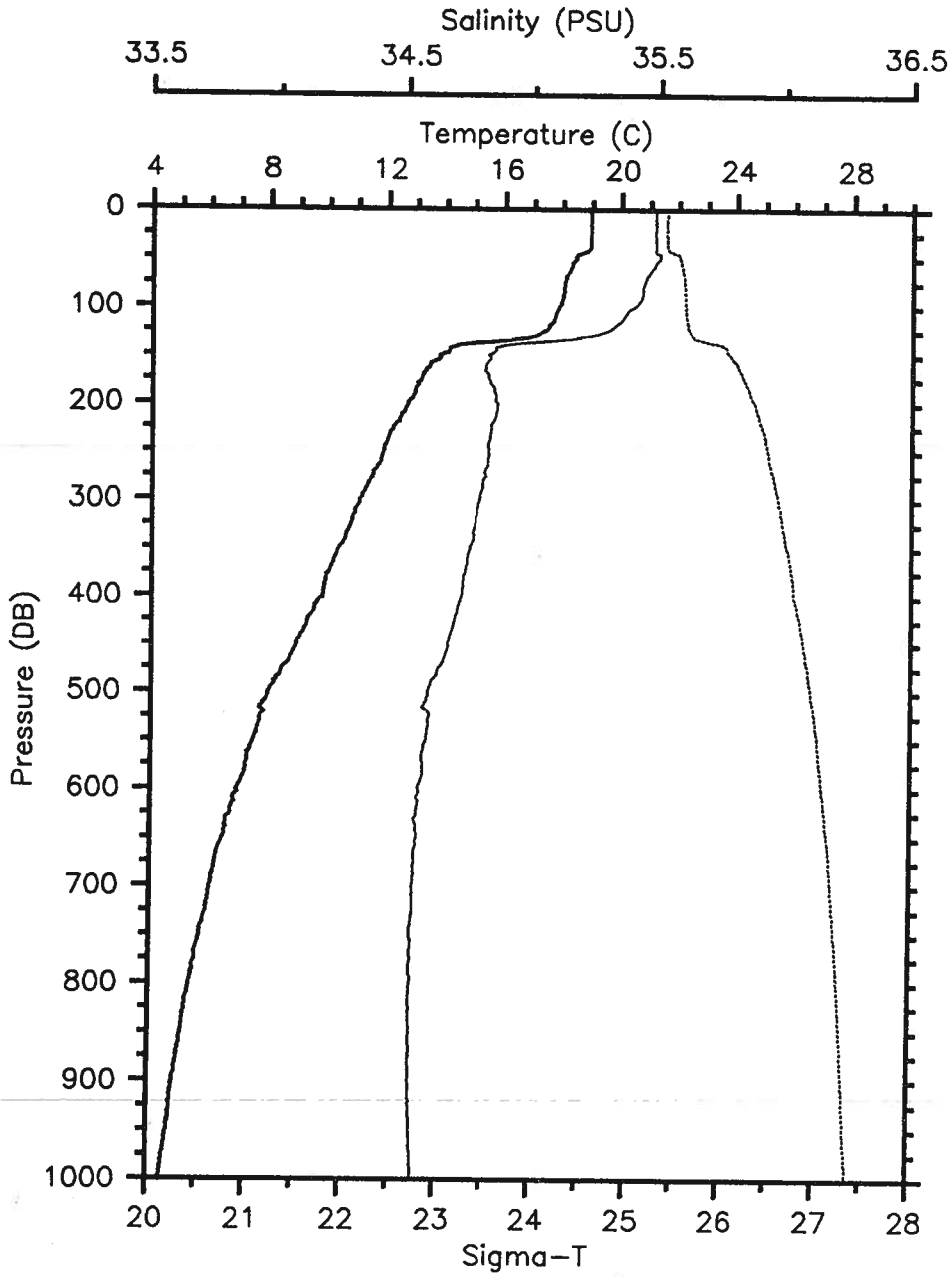


Prs	Tem	Sal	SigT
0	19.38	35.604	25.39
10	19.38	35.604	25.39
20	19.30	35.598	25.40
30	19.29	35.596	25.40
40	19.28	35.598	25.41
50	19.27	35.597	25.41
60	18.76	35.551	25.51
70	18.67	35.543	25.52
80	18.57	35.526	25.53
90	18.54	35.528	25.54
100	18.47	35.517	25.55
110	18.37	35.490	25.56
120	18.25	35.470	25.57
130	18.17	35.455	25.58
140	17.86	35.386	25.60
150	16.74	35.224	25.75
160	15.24	34.987	25.91
170	14.22	34.839	26.02
180	13.32	34.715	26.11
190	12.76	34.653	26.17
200	12.53	34.715	26.27
210	12.48	34.742	26.30
220	12.04	34.696	26.35
230	11.85	34.699	26.38
240	11.57	34.716	26.45
250	11.41	34.718	26.48
260	11.17	34.725	26.53
270	10.99	34.734	26.57
280	10.83	34.732	26.60
290	10.76	34.750	26.62
300	10.60	34.740	26.65
350	9.95	34.711	26.73
400	9.02	34.649	26.84
450	8.39	34.624	26.92
500	7.75	34.582	26.98
550	7.18	34.557	27.04
600	6.68	34.536	27.10
650	6.30	34.527	27.14
700	5.96	34.520	27.18
750	5.70	34.521	27.21
800	5.37	34.518	27.25
850	5.08	34.521	27.29
900	4.84	34.525	27.32
950	4.59	34.533	27.35
1000	4.39	34.537	27.38

EPOCS EP4-85-RS CTD 63 RESEARCHER

Date 11 23 85 Latitude 15.005 S

Time 0514 Z Longitude 84.006 W

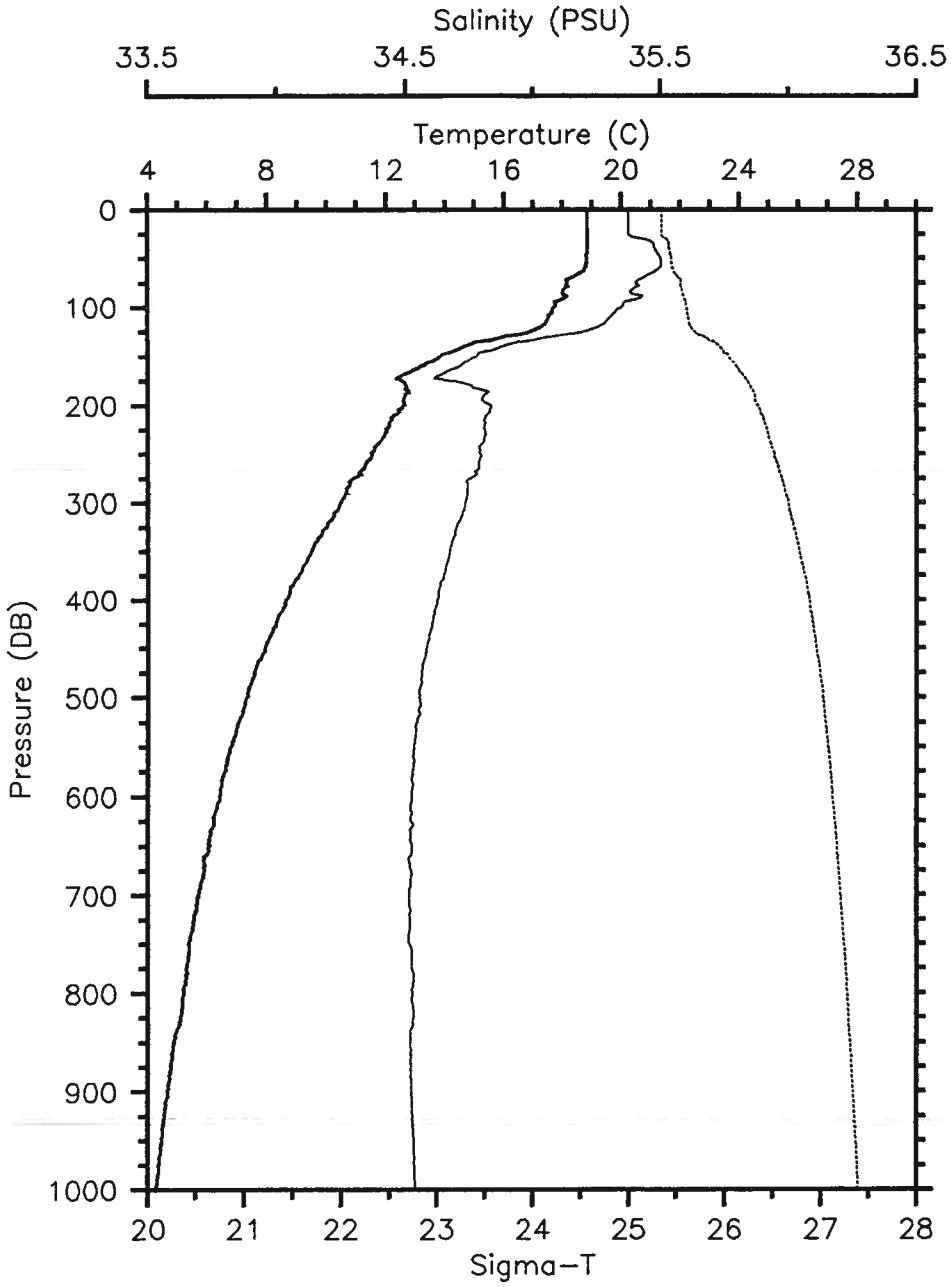


Prs	Tem	Sal	SigT
0	18.94	35.482	25.41
10	18.94	35.481	25.41
20	18.94	35.482	25.41
30	18.94	35.482	25.41
40	18.90	35.482	25.42
50	18.45	35.500	25.54
60	18.25	35.469	25.57
70	18.09	35.444	25.59
80	18.04	35.433	25.60
90	18.00	35.427	25.60
100	17.86	35.398	25.61
110	17.73	35.359	25.61
120	17.53	35.319	25.63
130	17.04	35.224	25.68
140	14.41	34.892	26.02
150	13.79	34.821	26.09
160	13.44	34.811	26.16
170	13.18	34.821	26.22
180	13.03	34.831	26.26
190	12.91	34.850	26.30
200	12.69	34.860	26.35
210	12.52	34.853	26.37
220	12.30	34.839	26.41
230	12.07	34.832	26.45
240	11.96	34.825	26.46
250	11.85	34.826	26.48
260	11.75	34.821	26.50
270	11.54	34.810	26.53
280	11.38	34.803	26.55
290	11.24	34.797	26.57
300	11.06	34.788	26.60
350	10.34	34.751	26.70
400	9.79	34.717	26.77
450	8.91	34.664	26.87
500	7.98	34.585	26.95
550	7.47	34.578	27.02
600	6.92	34.550	27.08
650	6.46	34.542	27.13
700	6.05	34.528	27.17
750	5.70	34.521	27.21
800	5.37	34.522	27.25
850	5.10	34.524	27.29
900	4.84	34.523	27.32
950	4.68	34.530	27.34
1000	4.44	34.537	27.37

EPOCS EP4-85-RS CTD 64 RESEARCHER

Date 11 23 85 Latitude 14.995 S

Time 1043 Z Longitude 83.000 W

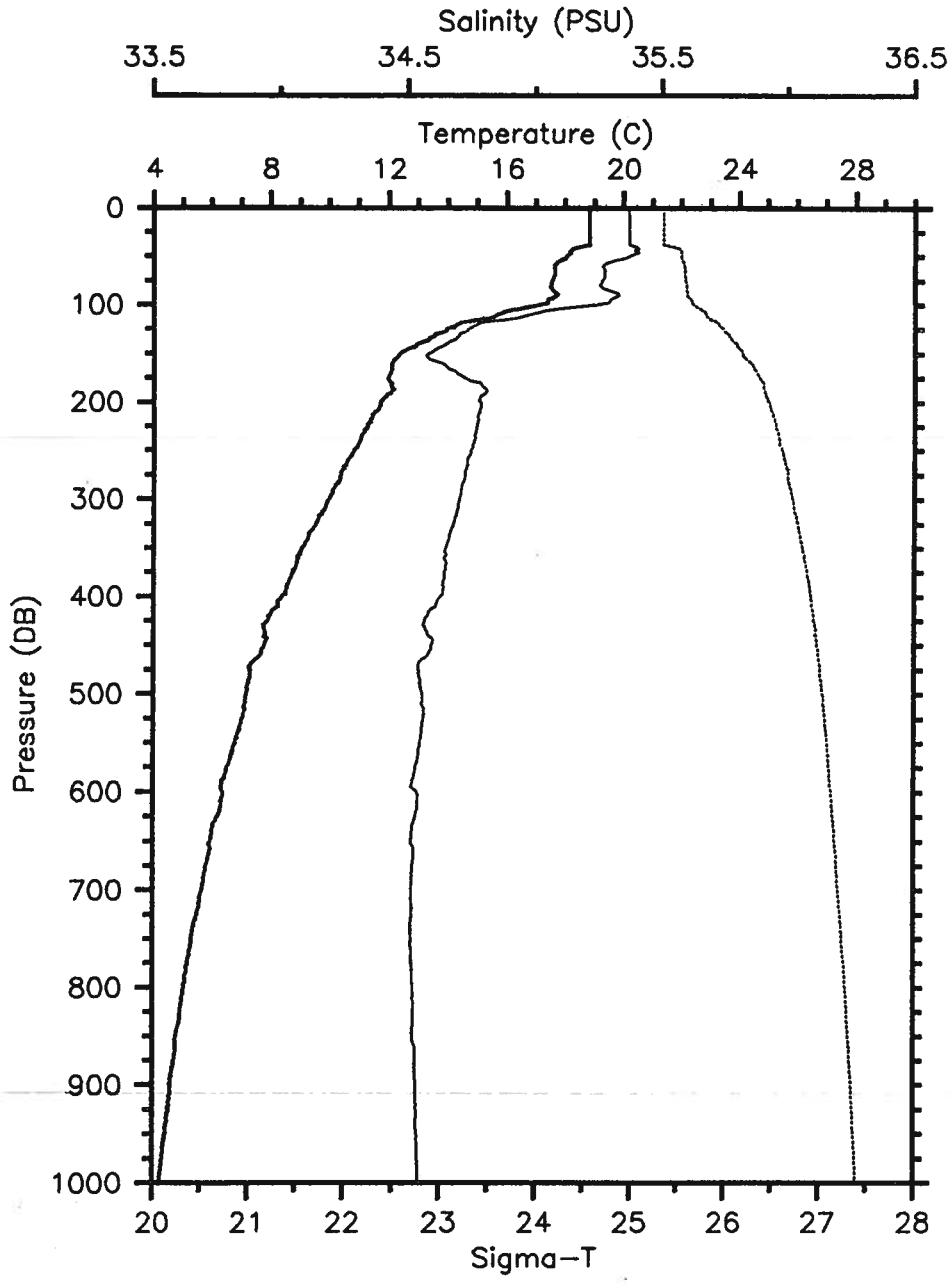


Prs	Tem	Sal	SigT
0	18.84	35.374	25.35
10	18.84	35.373	25.35
20	18.84	35.373	25.35
30	18.86	35.436	25.39
40	18.85	35.479	25.43
50	18.83	35.501	25.45
60	18.76	35.493	25.46
70	18.29	35.432	25.53
80	18.12	35.399	25.55
90	18.09	35.422	25.58
100	17.70	35.348	25.61
110	17.52	35.303	25.62
120	17.25	35.253	25.65
130	16.03	35.065	25.79
140	14.69	34.881	25.95
150	13.84	34.777	26.05
160	13.21	34.713	26.13
170	12.49	34.622	26.20
180	12.69	34.761	26.27
190	12.65	34.808	26.31
200	12.58	34.835	26.35
210	12.29	34.818	26.39
220	12.11	34.810	26.42
230	11.95	34.814	26.46
240	11.72	34.797	26.48
250	11.54	34.795	26.52
260	11.32	34.789	26.55
270	11.16	34.780	26.58
280	10.79	34.743	26.61
290	10.65	34.742	26.64
300	10.46	34.734	26.66
350	9.49	34.673	26.78
400	8.63	34.625	26.88
450	7.93	34.582	26.96
500	7.32	34.554	27.02
550	6.80	34.532	27.08
600	6.44	34.526	27.12
650	6.07	34.525	27.17
700	5.72	34.515	27.20
750	5.40	34.518	27.25
800	5.22	34.528	27.28
850	4.88	34.520	27.31
900	4.67	34.526	27.34
950	4.46	34.535	27.37
1000	4.28	34.540	27.39

EPOCS EP4-85-RS CTD 65 RESEARCHER

Date 11 23 85 Latitude 14.522 S

Time 1559 Z Longitude 82.095 W

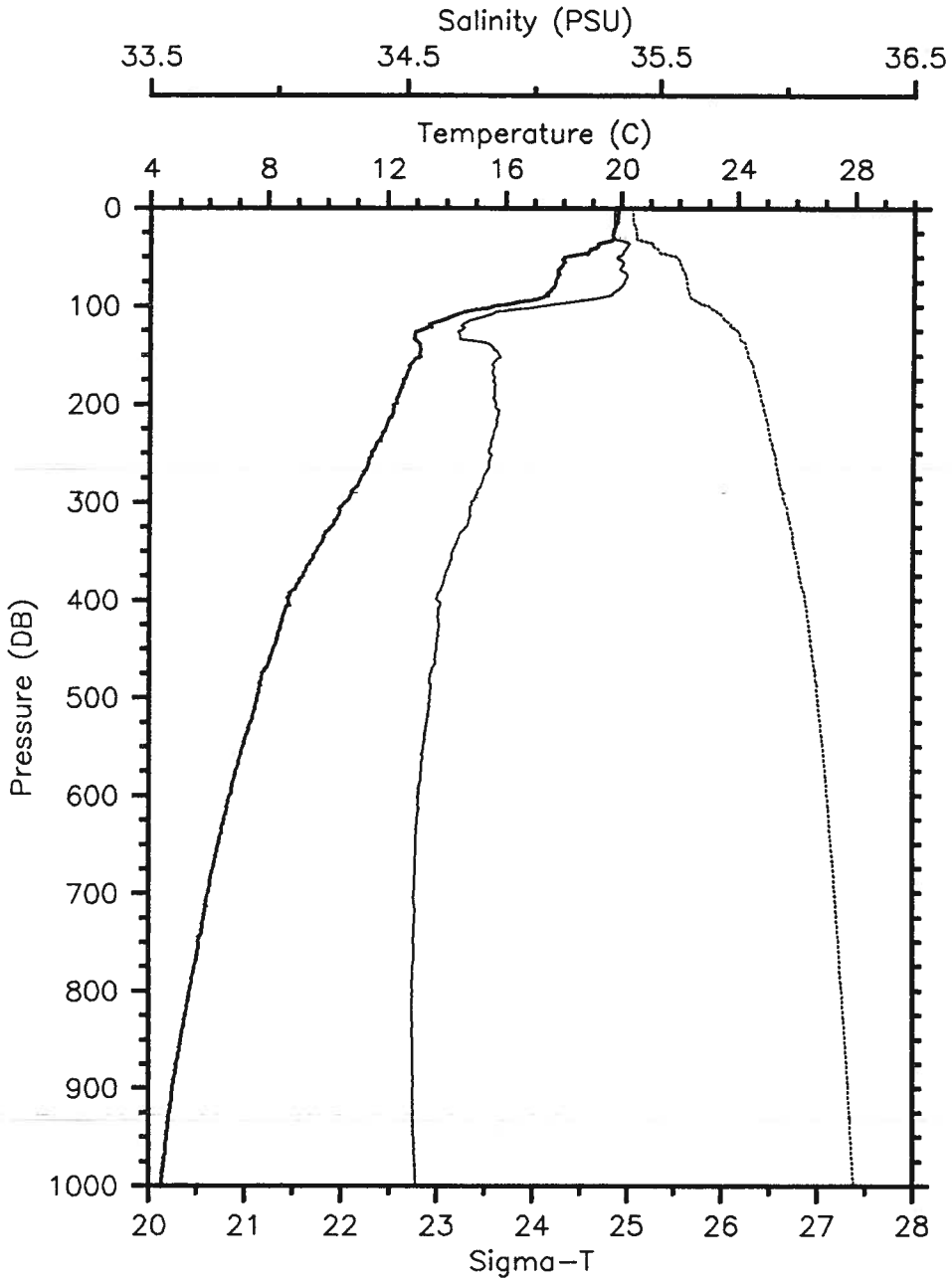


Prs	Tem	Sal	SigT
0	18.83	35.366	25.34
10	18.83	35.368	25.35
20	18.83	35.368	25.35
30	18.83	35.368	25.35
40	18.49	35.393	25.45
50	18.06	35.369	25.54
60	17.63	35.263	25.57
70	17.63	35.272	25.57
80	17.50	35.251	25.59
90	17.69	35.328	25.60
100	17.07	35.234	25.68
110	15.70	34.981	25.80
120	14.34	34.768	25.94
130	13.59	34.697	26.04
140	13.00	34.653	26.13
150	12.39	34.576	26.19
160	12.09	34.631	26.29
170	12.02	34.690	26.34
180	12.06	34.782	26.41
190	12.07	34.802	26.42
200	11.73	34.783	26.47
210	11.53	34.778	26.51
220	11.38	34.771	26.53
230	11.18	34.764	26.56
240	11.03	34.757	26.58
250	10.84	34.744	26.61
260	10.61	34.731	26.64
270	10.43	34.723	26.66
280	10.35	34.717	26.67
290	10.12	34.705	26.70
300	9.98	34.699	26.72
350	9.08	34.647	26.83
400	8.39	34.625	26.92
450	7.80	34.592	26.98
500	7.20	34.558	27.04
550	6.80	34.548	27.09
600	6.40	34.538	27.14
650	5.96	34.515	27.17
700	5.69	34.518	27.21
750	5.33	34.515	27.25
800	5.06	34.522	27.29
850	4.79	34.523	27.32
900	4.61	34.534	27.35
950	4.44	34.538	27.37
1000	4.23	34.544	27.40

EPOCS EP4-85-RS CTD 66 RESEARCHER

Date 11 23 85 Latitude 14.092 S

Time 2029 Z Longitude 81.182 W

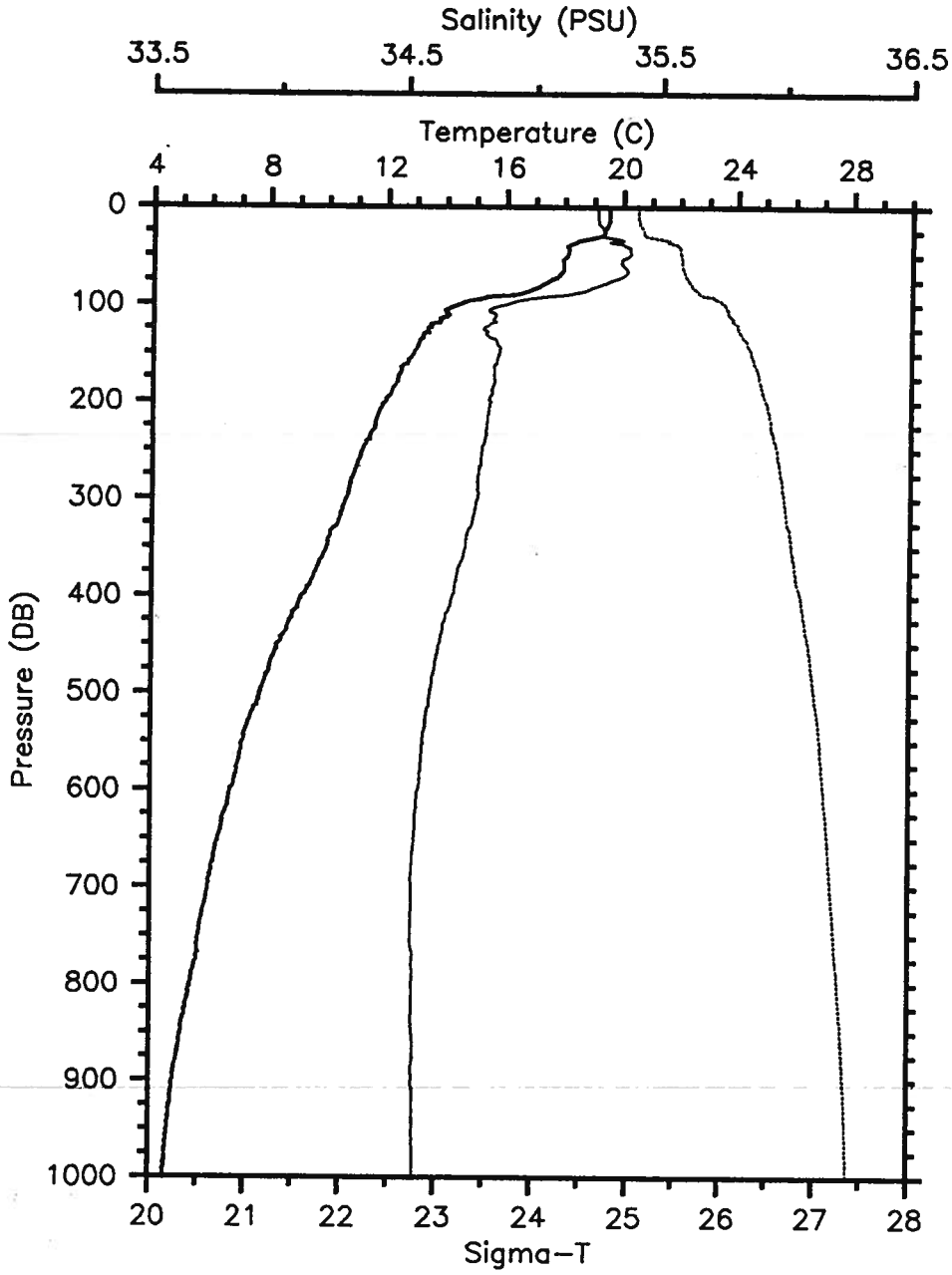


Prs	Tem	Sal	SigT
0	19.88	35.319	25.04
10	19.86	35.318	25.04
20	19.76	35.315	25.07
30	19.70	35.318	25.08
40	19.13	35.367	25.27
50	18.07	35.329	25.51
60	17.90	35.343	25.56
70	17.79	35.368	25.61
80	17.68	35.349	25.62
90	17.33	35.281	25.65
100	15.62	35.023	25.85
110	14.25	34.814	25.99
120	13.47	34.712	26.07
130	12.95	34.707	26.18
140	13.10	34.827	26.24
150	13.11	34.864	26.27
160	12.77	34.836	26.31
170	12.67	34.840	26.34
180	12.51	34.847	26.37
190	12.41	34.846	26.39
200	12.25	34.851	26.43
210	12.20	34.860	26.44
220	12.02	34.852	26.47
230	11.88	34.842	26.49
240	11.68	34.833	26.52
250	11.52	34.825	26.54
260	11.40	34.825	26.57
270	11.26	34.812	26.58
280	11.09	34.798	26.60
290	10.84	34.778	26.63
300	10.61	34.756	26.66
350	9.64	34.684	26.77
400	8.71	34.624	26.87
450	8.23	34.622	26.94
500	7.68	34.594	27.00
550	7.18	34.571	27.06
600	6.75	34.551	27.10
650	6.35	34.543	27.15
700	6.01	34.536	27.18
750	5.69	34.532	27.22
800	5.38	34.529	27.26
850	5.09	34.529	27.29
900	4.80	34.531	27.33
950	4.60	34.535	27.35
1000	4.40	34.542	27.38

EPOCS EP4–85–RS CTD 67 RESEARCHER

Date 11 24 85 Latitude 13.612 S

Time 0304 Z Longitude 80.243 W

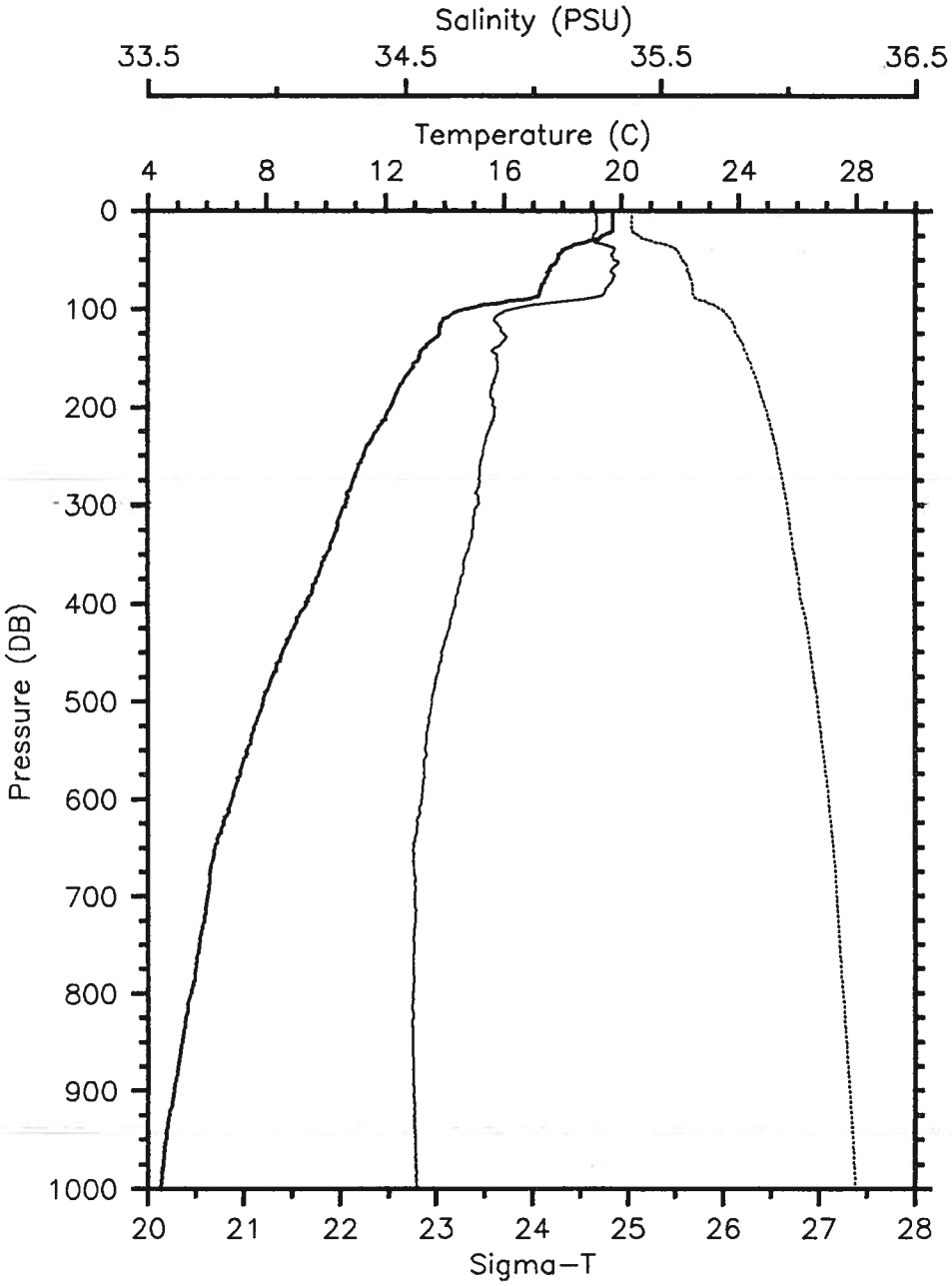


Prs	Tem	Sal	SigT
0	19.50	35.242	25.08
10	19.51	35.243	25.08
20	19.44	35.257	25.11
30	19.16	35.266	25.18
40	18.11	35.355	25.52
50	18.08	35.372	25.54
60	17.94	35.348	25.55
70	17.82	35.351	25.59
80	17.24	35.261	25.66
90	16.30	35.124	25.78
100	14.40	34.891	26.02
110	14.04	34.845	26.06
120	13.50	34.821	26.15
130	13.26	34.808	26.19
140	13.08	34.852	26.26
150	12.90	34.861	26.31
160	12.70	34.852	26.34
170	12.44	34.843	26.38
180	12.33	34.843	26.40
190	12.16	34.834	26.43
200	11.94	34.830	26.47
210	11.75	34.820	26.50
220	11.63	34.816	26.52
230	11.52	34.813	26.54
240	11.34	34.806	26.56
250	11.18	34.797	26.58
260	11.07	34.792	26.60
270	10.95	34.785	26.62
280	10.81	34.781	26.64
290	10.74	34.780	26.65
300	10.64	34.779	26.67
350	9.98	34.735	26.75
400	9.14	34.684	26.85
450	8.33	34.635	26.94
500	7.73	34.600	27.00
550	7.16	34.573	27.06
600	6.75	34.556	27.10
650	6.33	34.541	27.15
700	5.99	34.532	27.18
750	5.66	34.529	27.22
800	5.38	34.535	27.26
850	5.07	34.535	27.30
900	4.80	34.536	27.33
950	4.64	34.541	27.35
1000	4.51	34.544	27.37

EPOCS EP4-85-RS CTD 68 RESEARCHER

Date 11 24 85 Latitude 13.163 S

Time 0529 Z Longitude 79.423 W

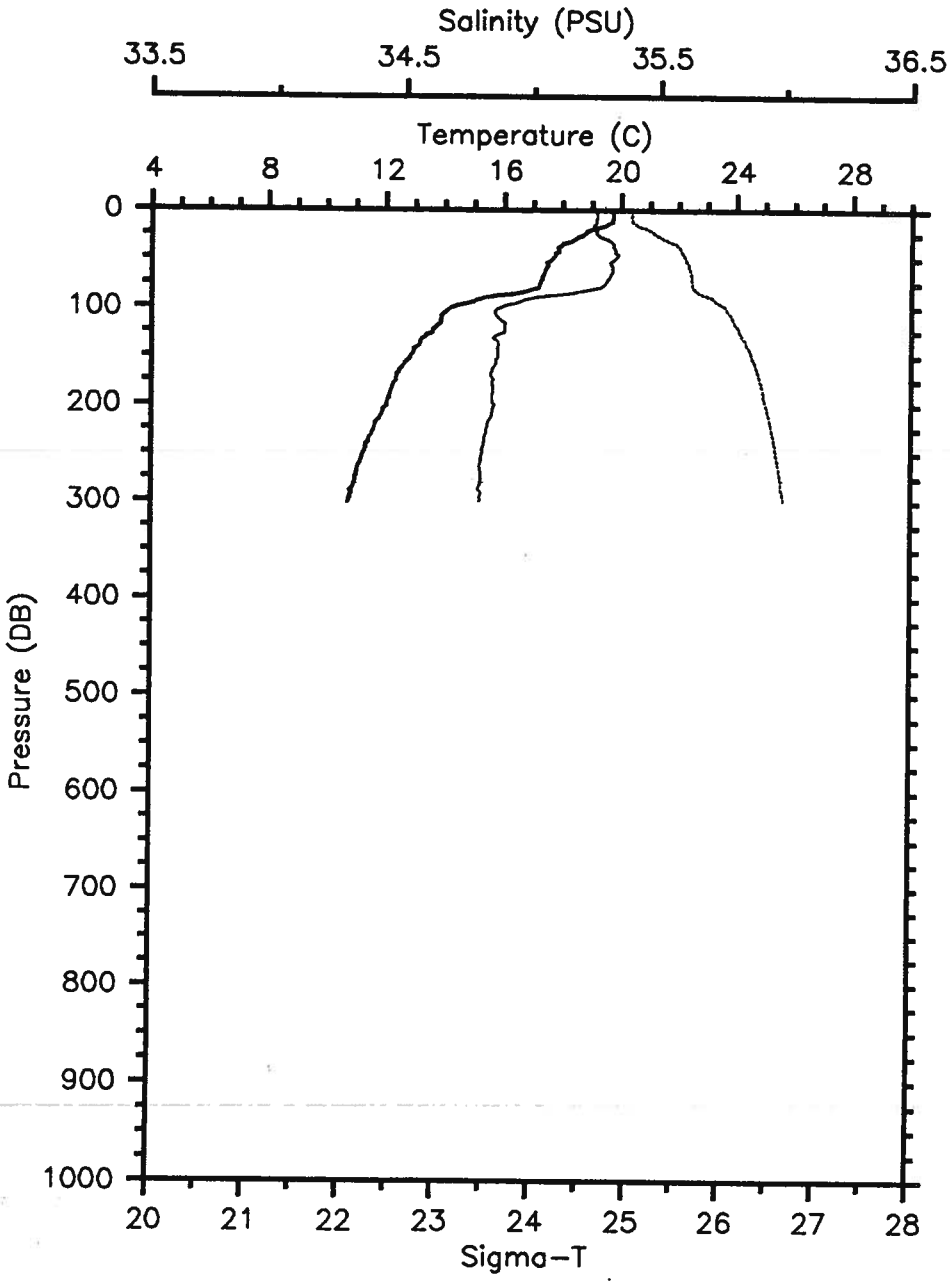


Prs	Tem	Sal	SigT
0	19.70	35.247	25.03
10	19.72	35.247	25.03
20	19.71	35.248	25.03
30	18.91	35.245	25.23
40	18.01	35.318	25.51
50	17.81	35.316	25.56
60	17.57	35.308	25.62
70	17.40	35.313	25.66
80	17.25	35.284	25.67
90	16.75	35.194	25.72
100	14.74	34.924	25.97
110	14.01	34.850	26.07
120	13.86	34.875	26.12
130	13.69	34.893	26.17
140	13.32	34.853	26.22
150	13.14	34.859	26.26
160	12.95	34.862	26.30
170	12.67	34.852	26.34
180	12.45	34.839	26.38
190	12.32	34.835	26.40
200	12.18	34.852	26.44
210	12.03	34.849	26.47
220	11.81	34.835	26.50
230	11.61	34.820	26.52
240	11.40	34.809	26.55
250	11.29	34.804	26.57
260	11.12	34.793	26.59
270	11.02	34.794	26.61
280	10.89	34.791	26.63
290	10.75	34.786	26.65
300	10.67	34.787	26.67
350	10.04	34.742	26.74
400	9.37	34.700	26.82
450	8.55	34.645	26.91
500	7.90	34.609	26.98
550	7.35	34.581	27.04
600	6.86	34.566	27.10
650	6.28	34.535	27.15
700	6.03	34.540	27.19
750	5.75	34.537	27.22
800	5.47	34.533	27.25
850	5.15	34.533	27.29
900	4.89	34.537	27.32
950	4.60	34.543	27.36
1000	4.43	34.547	27.38

EPOCS EP4-85-RS CTD 69 RESEARCHER

Date 11 24 85 Latitude 13.175 S

Time 1025 Z Longitude 79.400 W

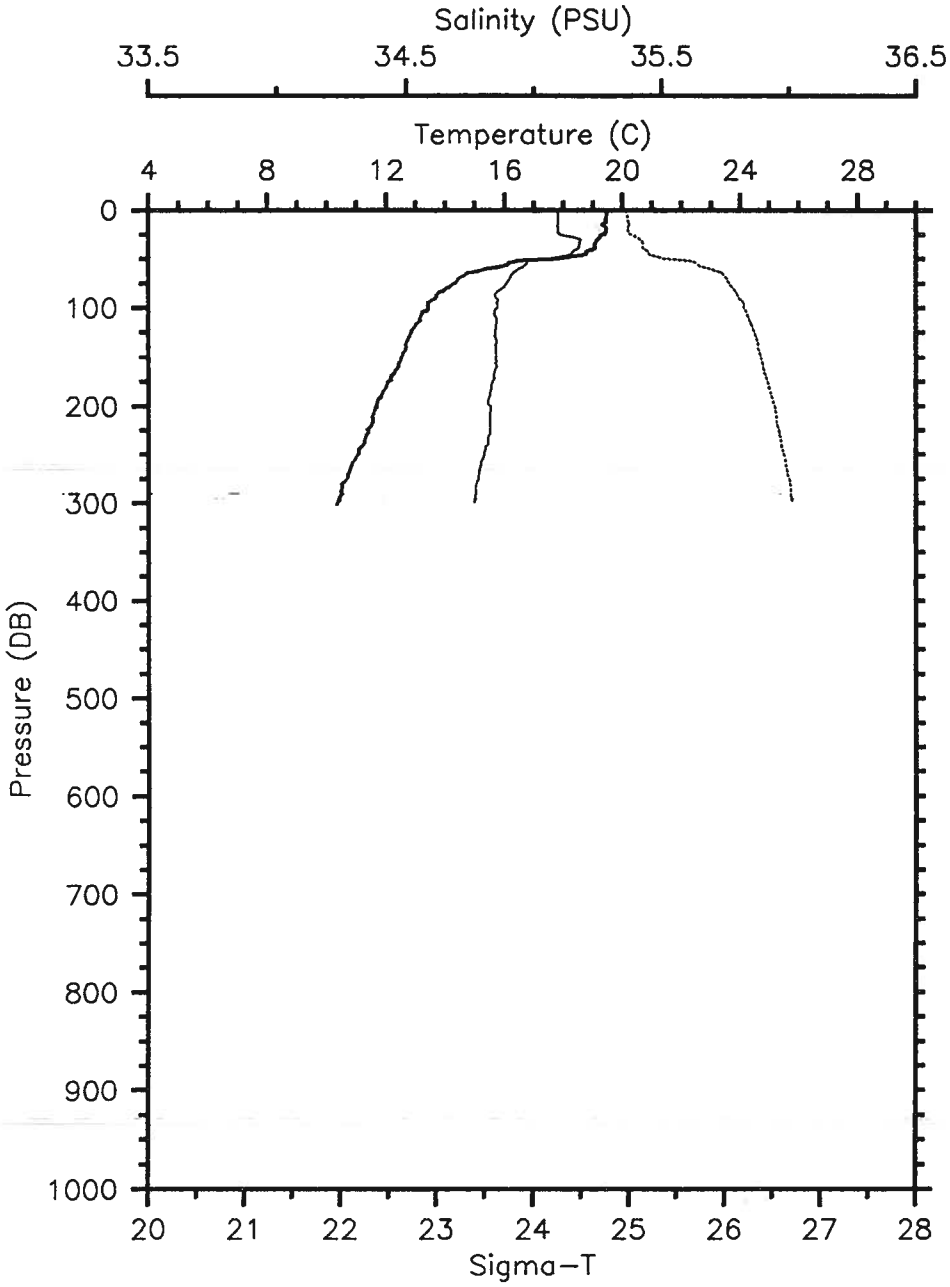


Prs	Tem	Sal	SigT
0	19.72	35.248	25.03
10	19.69	35.247	25.03
20	19.01	35.243	25.20
30	18.41	35.291	25.39
40	17.86	35.321	25.55
50	17.67	35.322	25.60
60	17.42	35.310	25.65
70	17.30	35.297	25.67
80	17.14	35.263	25.68
90	15.33	35.004	25.90
100	14.27	34.878	26.04
110	13.89	34.857	26.10
120	13.71	34.888	26.16
130	13.36	34.851	26.20
140	13.09	34.863	26.27
150	12.85	34.862	26.32
160	12.60	34.851	26.36
170	12.37	34.835	26.39
180	12.26	34.843	26.42
190	12.14	34.841	26.44
200	12.04	34.850	26.47
210	11.87	34.840	26.49
220	11.65	34.822	26.52
230	11.51	34.815	26.54
240	11.35	34.807	26.56
250	11.24	34.801	26.58
260	11.12	34.794	26.59
270	11.02	34.797	26.61
280	10.94	34.794	26.63
290	10.83	34.796	26.65
300	10.75	34.792	26.66

EPOCS EP4-85-RS CTD 70 RESEARCHER

Date 11 24 85 Latitude 12.842 S

Time 1427 Z Longitude 78.700 W

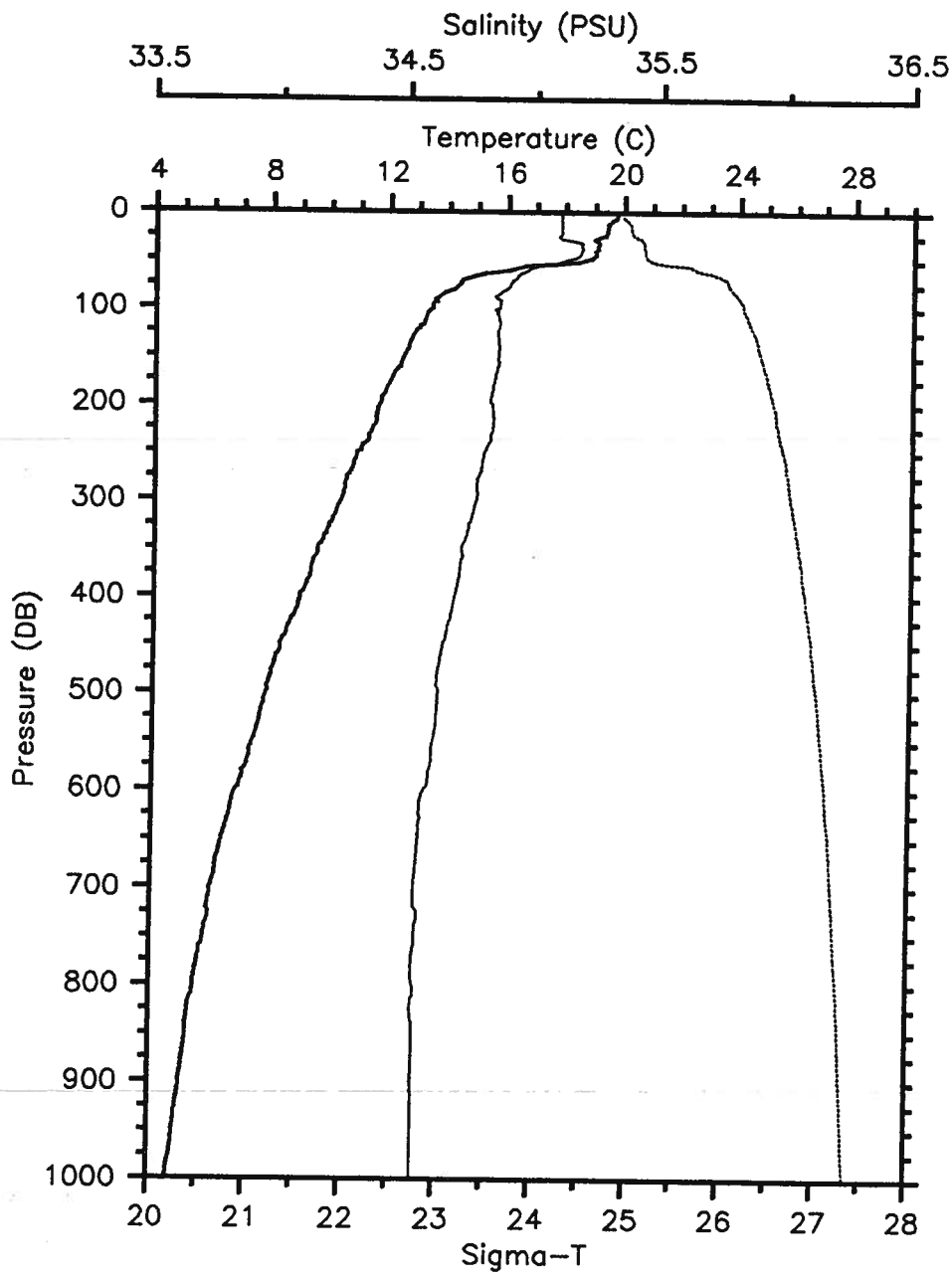


Prs	Tem	Sal	SigT
0	19.48	35.092	24.97
10	19.44	35.093	24.98
20	19.43	35.095	24.98
30	19.16	35.182	25.12
40	19.01	35.167	25.15
50	17.86	35.062	25.36
60	15.40	34.942	25.84
70	14.46	34.907	26.02
80	14.06	34.877	26.08
90	13.68	34.853	26.14
100	13.43	34.859	26.20
110	13.18	34.853	26.24
120	12.95	34.852	26.29
130	12.75	34.851	26.33
140	12.66	34.852	26.35
150	12.51	34.852	26.38
160	12.39	34.854	26.40
170	12.19	34.844	26.43
180	12.02	34.836	26.46
190	11.85	34.828	26.48
200	11.69	34.832	26.52
210	11.57	34.831	26.54
220	11.51	34.829	26.55
230	11.35	34.826	26.58
240	11.23	34.819	26.59
250	11.07	34.807	26.61
260	10.85	34.793	26.64
270	10.73	34.786	26.66
280	10.55	34.776	26.68
290	10.51	34.773	26.69
300	10.38	34.769	26.71

EPOCS EP4-85-RS CTD 71 RESEARCHER

Date 11 24 85 Latitude 12.831 S

Time 1525 Z Longitude 78.702 W

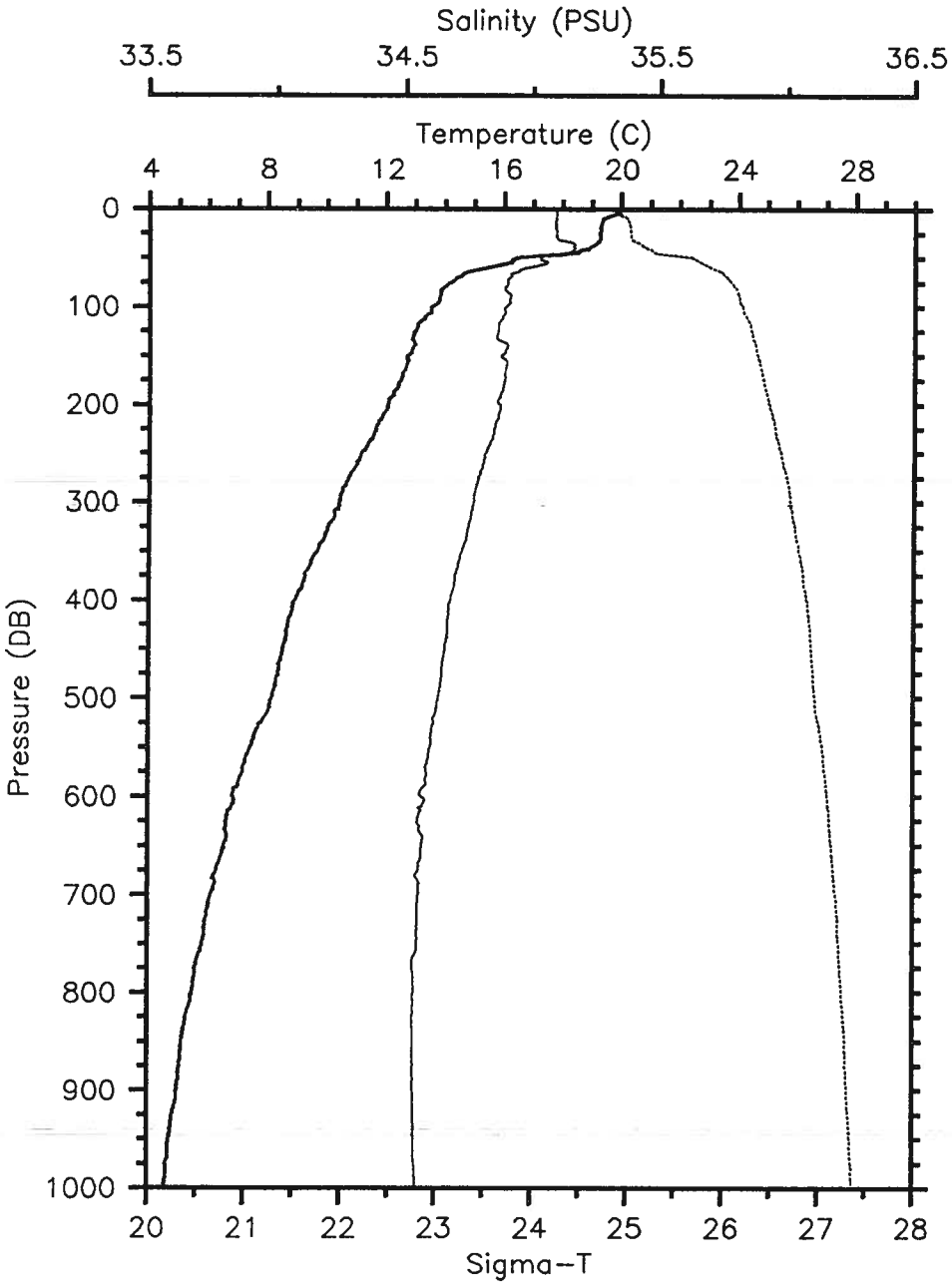


Prs	Tem	Sal	SigT
0	19.72	35.096	24.91
10	19.54	35.096	24.96
20	19.40	35.097	24.99
30	19.07	35.148	25.12
40	19.03	35.174	25.15
50	18.65	35.118	25.20
60	16.10	34.966	25.70
70	14.49	34.913	26.02
80	14.19	34.883	26.06
90	13.57	34.842	26.15
100	13.44	34.855	26.19
110	13.21	34.849	26.23
120	13.02	34.852	26.28
130	12.77	34.848	26.32
140	12.67	34.852	26.34
150	12.49	34.850	26.38
160	12.37	34.851	26.40
170	12.12	34.839	26.44
180	11.95	34.831	26.47
190	11.79	34.824	26.49
200	11.66	34.830	26.52
210	11.56	34.830	26.54
220	11.51	34.830	26.55
230	11.35	34.826	26.58
240	11.22	34.815	26.59
250	10.93	34.796	26.63
260	10.79	34.788	26.65
270	10.68	34.783	26.67
280	10.53	34.771	26.68
290	10.47	34.770	26.69
300	10.37	34.767	26.71
350	9.59	34.711	26.80
400	8.99	34.682	26.87
450	8.33	34.641	26.94
500	7.87	34.625	27.00
550	7.43	34.606	27.05
600	6.87	34.572	27.10
650	6.41	34.552	27.15
700	6.04	34.540	27.18
750	5.84	34.546	27.21
800	5.51	34.540	27.25
850	5.26	34.540	27.28
900	5.06	34.538	27.30
950	4.86	34.540	27.33
1000	4.63	34.542	27.35

EPOCS EP4-85-RS CTD 72 RESEARCHER

Date 11 24 85 Latitude 12.728 S

Time 2055 Z Longitude 78.503 W

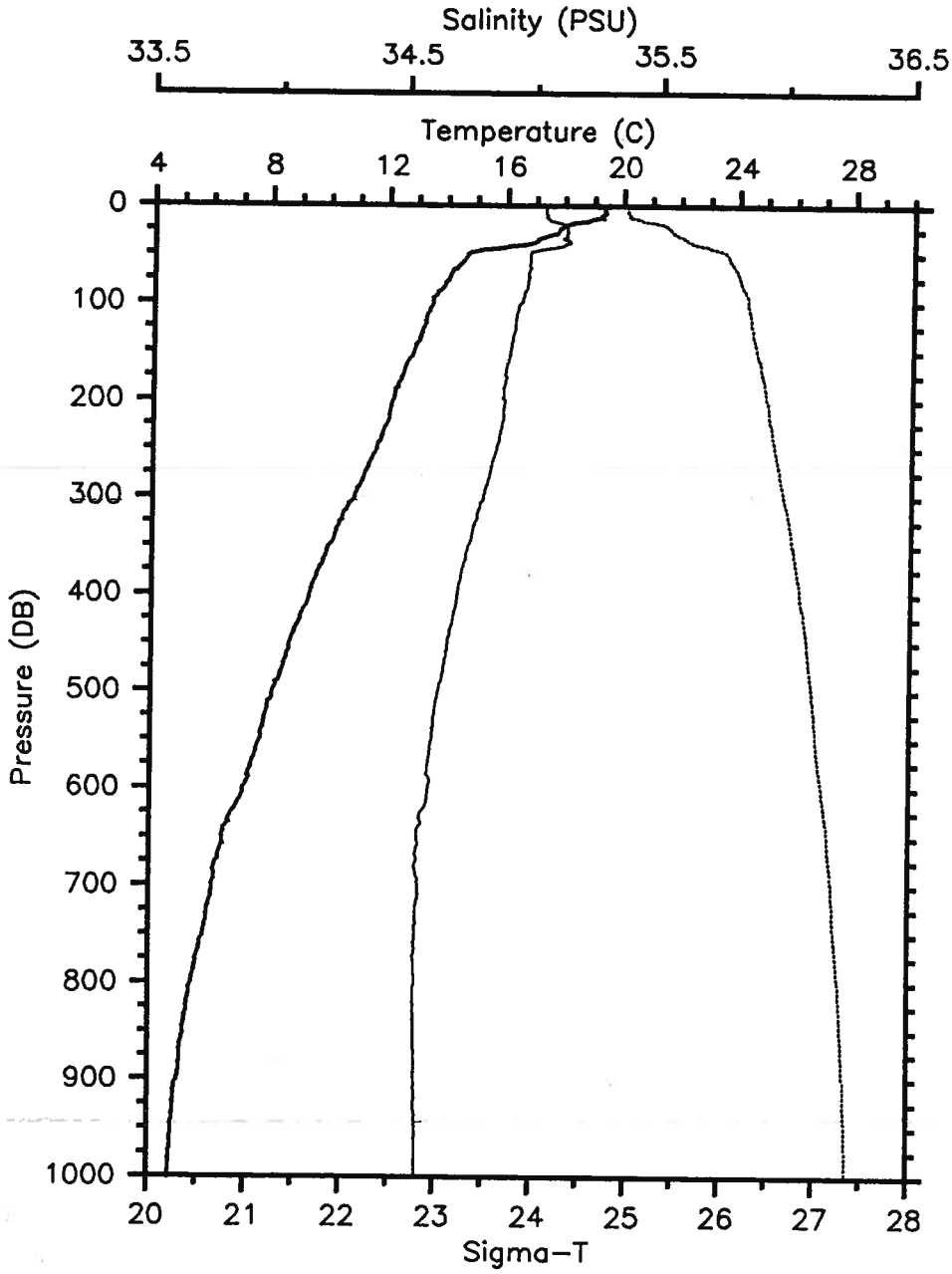


Prs	Tem	Sal	SigT
0	19.83	35.088	24.87
10	19.39	35.088	24.99
20	19.29	35.087	25.02
30	19.27	35.092	25.02
40	18.88	35.162	25.18
50	16.45	35.027	25.67
60	15.38	34.966	25.86
70	14.41	34.905	26.03
80	13.95	34.889	26.11
90	13.82	34.909	26.16
100	13.55	34.890	26.20
110	13.33	34.877	26.23
120	13.06	34.863	26.28
130	12.91	34.856	26.30
140	12.92	34.899	26.33
150	12.72	34.874	26.35
160	12.66	34.894	26.38
170	12.53	34.889	26.40
180	12.39	34.882	26.42
190	12.24	34.871	26.44
200	12.06	34.871	26.48
210	11.90	34.864	26.50
220	11.71	34.851	26.53
230	11.59	34.845	26.55
240	11.39	34.830	26.57
250	11.18	34.814	26.60
260	11.02	34.806	26.62
270	10.82	34.794	26.65
280	10.66	34.782	26.67
290	10.50	34.772	26.69
300	10.42	34.767	26.70
350	9.68	34.722	26.79
400	8.93	34.677	26.88
450	8.55	34.657	26.92
500	8.17	34.633	26.96
550	7.45	34.601	27.04
600	6.88	34.569	27.10
650	6.57	34.571	27.14
700	6.14	34.559	27.19
750	5.83	34.553	27.22
800	5.50	34.540	27.25
850	5.15	34.537	27.29
900	4.99	34.538	27.31
950	4.72	34.542	27.34
1000	4.58	34.550	27.37

EPOCS EP4-85-RS CTD 73 RESEARCHER

Date 11 25 85 Latitude 12.507 S

Time 0259 Z Longitude 78.083 W

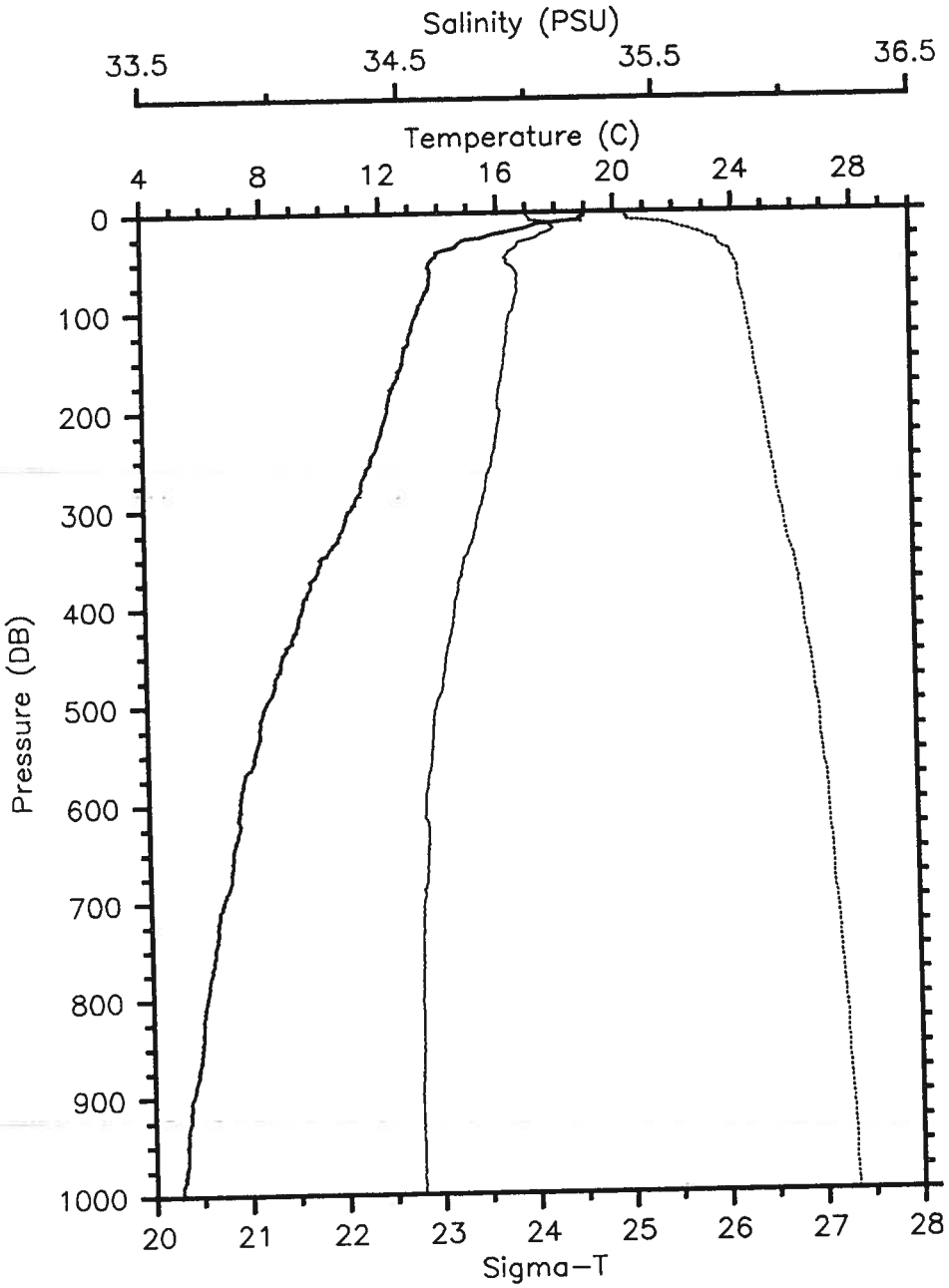


Prs	Tem	Sal	SigT
0	19.34	35.036	24.96
10	19.25	35.041	24.99
20	18.01	35.113	25.36
30	17.49	35.116	25.49
40	16.63	35.115	25.69
50	14.68	34.974	26.02
60	14.42	34.972	26.08
70	14.10	34.968	26.14
80	13.92	34.966	26.18
90	13.65	34.953	26.22
100	13.50	34.945	26.25
110	13.34	34.927	26.27
120	13.25	34.921	26.28
130	13.14	34.917	26.30
140	13.01	34.908	26.32
150	12.87	34.901	26.34
160	12.65	34.895	26.38
170	12.53	34.885	26.40
180	12.40	34.884	26.42
190	12.25	34.878	26.45
200	12.17	34.882	26.47
210	12.08	34.878	26.48
220	12.03	34.878	26.49
230	11.85	34.868	26.52
240	11.76	34.862	26.53
250	11.62	34.852	26.55
260	11.46	34.841	26.57
270	11.30	34.831	26.59
280	11.17	34.822	26.61
290	10.99	34.810	26.63
300	10.87	34.802	26.65
350	10.01	34.744	26.75
400	9.37	34.704	26.83
450	8.69	34.666	26.91
500	8.12	34.631	26.97
550	7.71	34.607	27.01
600	7.15	34.594	27.08
650	6.46	34.553	27.14
700	6.13	34.558	27.19
750	5.83	34.548	27.22
800	5.43	34.547	27.27
850	5.17	34.545	27.29
900	4.97	34.547	27.32
950	4.78	34.552	27.35
1000	4.69	34.553	27.36

EPOCS EP4-85-RS CTD 74 RESEARCHER

Date 11 25 85 Latitude 12.333 S

Time 0602 Z Longitude 77.787 W

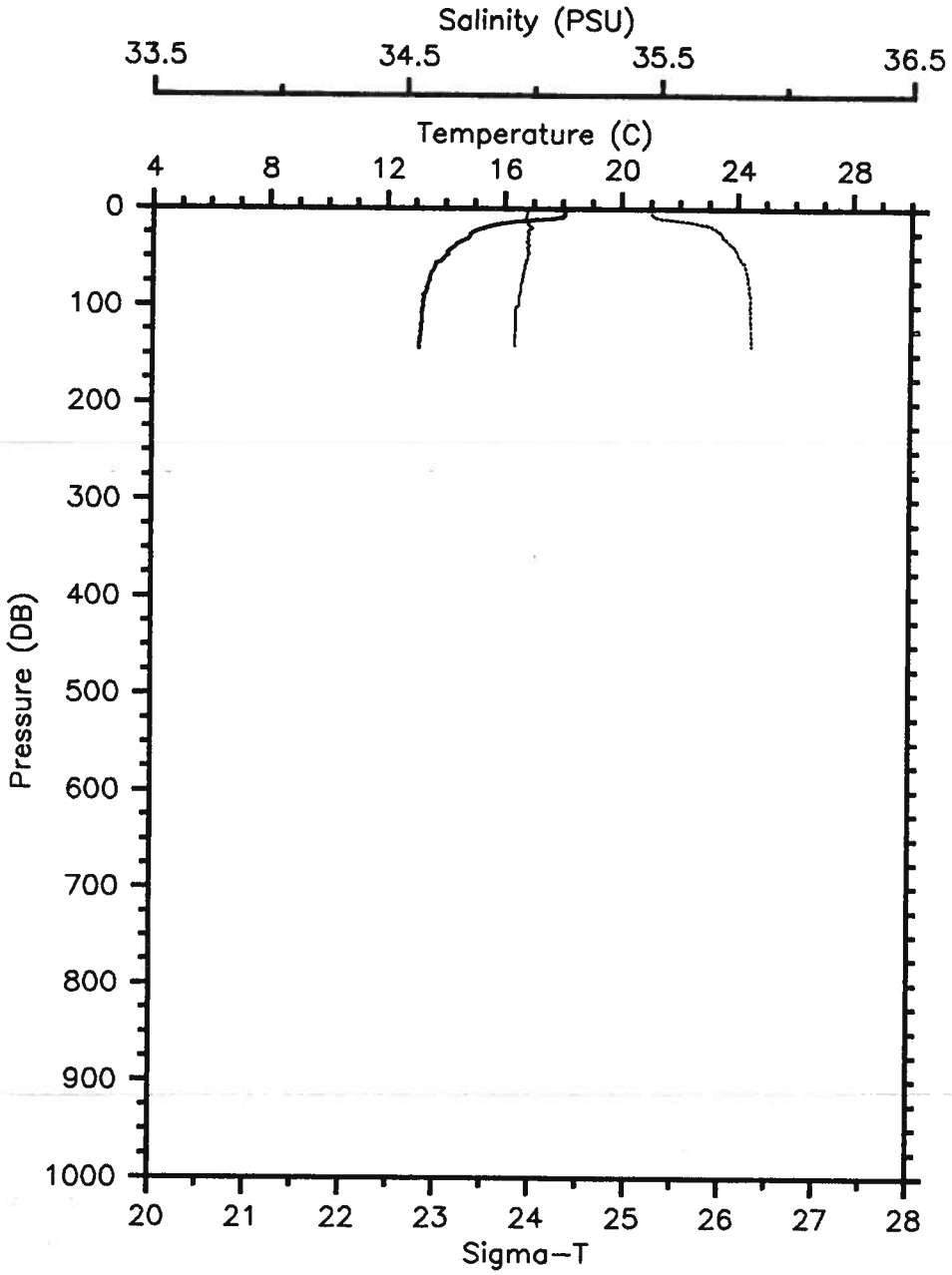


Prs	Tem	Sal	SigT
0	18.99	35.003	25.03
10	18.10	35.091	25.32
20	16.28	35.089	25.75
30	14.78	34.971	26.00
40	13.98	34.931	26.14
50	13.75	34.922	26.18
60	13.72	34.961	26.22
70	13.70	34.965	26.22
80	13.60	34.964	26.24
90	13.44	34.955	26.27
100	13.29	34.945	26.29
110	13.14	34.926	26.31
120	13.06	34.922	26.32
130	12.97	34.918	26.34
140	12.81	34.910	26.36
150	12.76	34.909	26.37
160	12.63	34.901	26.39
170	12.51	34.895	26.41
180	12.35	34.886	26.43
190	12.27	34.881	26.45
200	12.21	34.890	26.46
210	12.10	34.885	26.48
220	12.01	34.878	26.49
230	11.89	34.871	26.51
240	11.80	34.866	26.52
250	11.65	34.854	26.54
260	11.49	34.846	26.57
270	11.35	34.832	26.58
280	11.29	34.828	26.59
290	11.10	34.817	26.61
300	10.95	34.805	26.63
350	9.91	34.741	26.77
400	9.27	34.703	26.84
450	8.56	34.665	26.93
500	7.96	34.625	26.99
550	7.57	34.602	27.02
600	7.05	34.576	27.08
650	6.79	34.581	27.12
700	6.43	34.563	27.15
750	6.12	34.556	27.19
800	5.82	34.549	27.22
850	5.63	34.549	27.24
900	5.29	34.543	27.28
950	5.07	34.545	27.31
1000	4.88	34.547	27.33

EPOCS EP4-85-RS CTD 75 RESEARCHER

Date 11 25 85 Latitude 12.163 S

Time 0833 Z Longitude 77.532 W

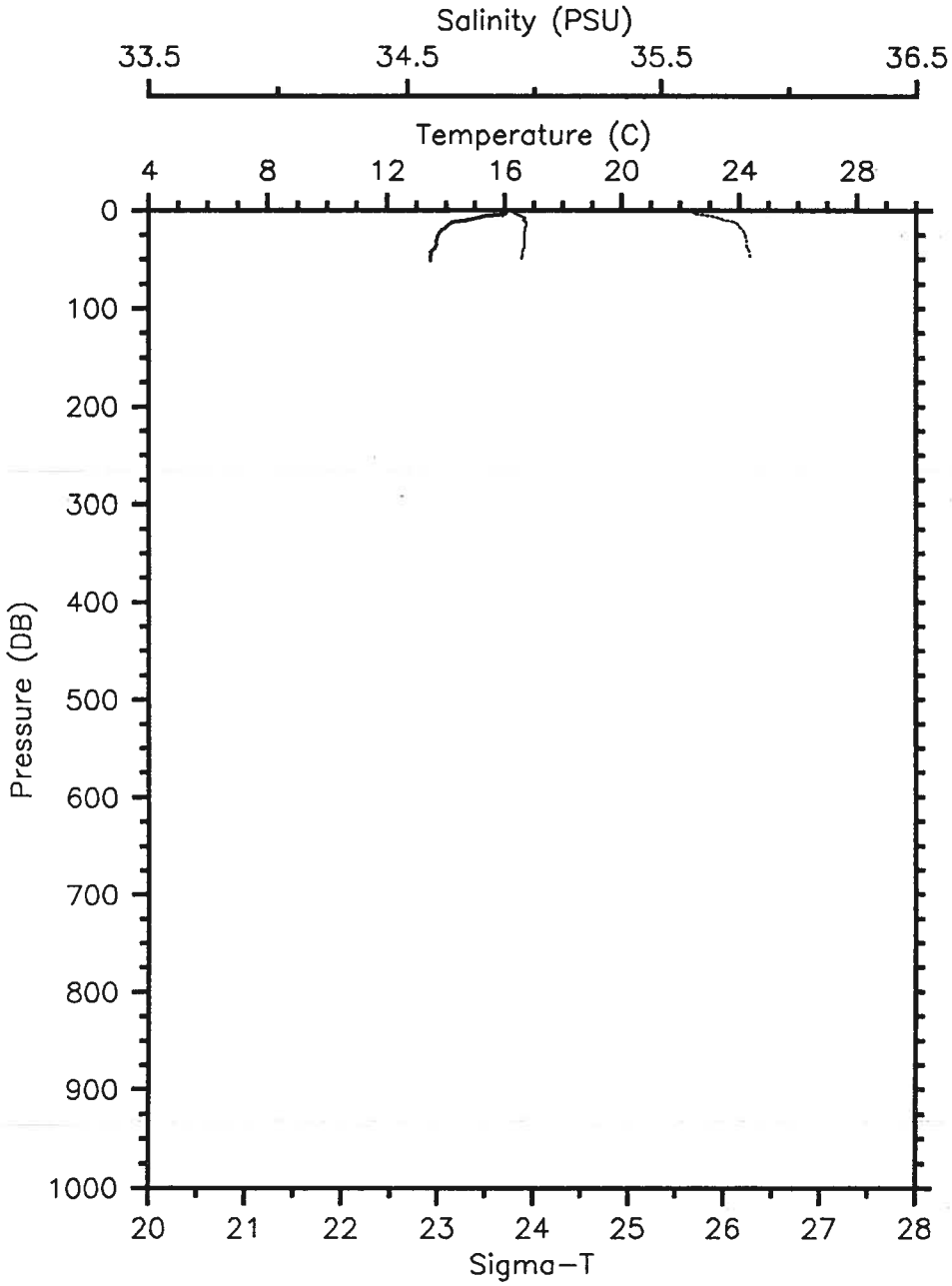


Prs	Tem	Sal	SigT
0	18.07	34.973	25.23
10	17.69	34.968	25.32
20	15.32	34.994	25.90
30	14.77	34.978	26.01
40	14.24	34.975	26.12
50	13.98	34.976	26.17
60	13.63	34.966	26.24
70	13.48	34.959	26.26
80	13.38	34.953	26.28
90	13.27	34.945	26.30
100	13.25	34.944	26.30
110	13.22	34.932	26.30
120	13.19	34.931	26.30
130	13.16	34.929	26.31
140	13.13	34.929	26.31

EPOCS EP4-85-RS CTD 76 RESEARCHER

Date 11 25 85 Latitude 11.993 S

Time 1029 Z Longitude 77.241 W

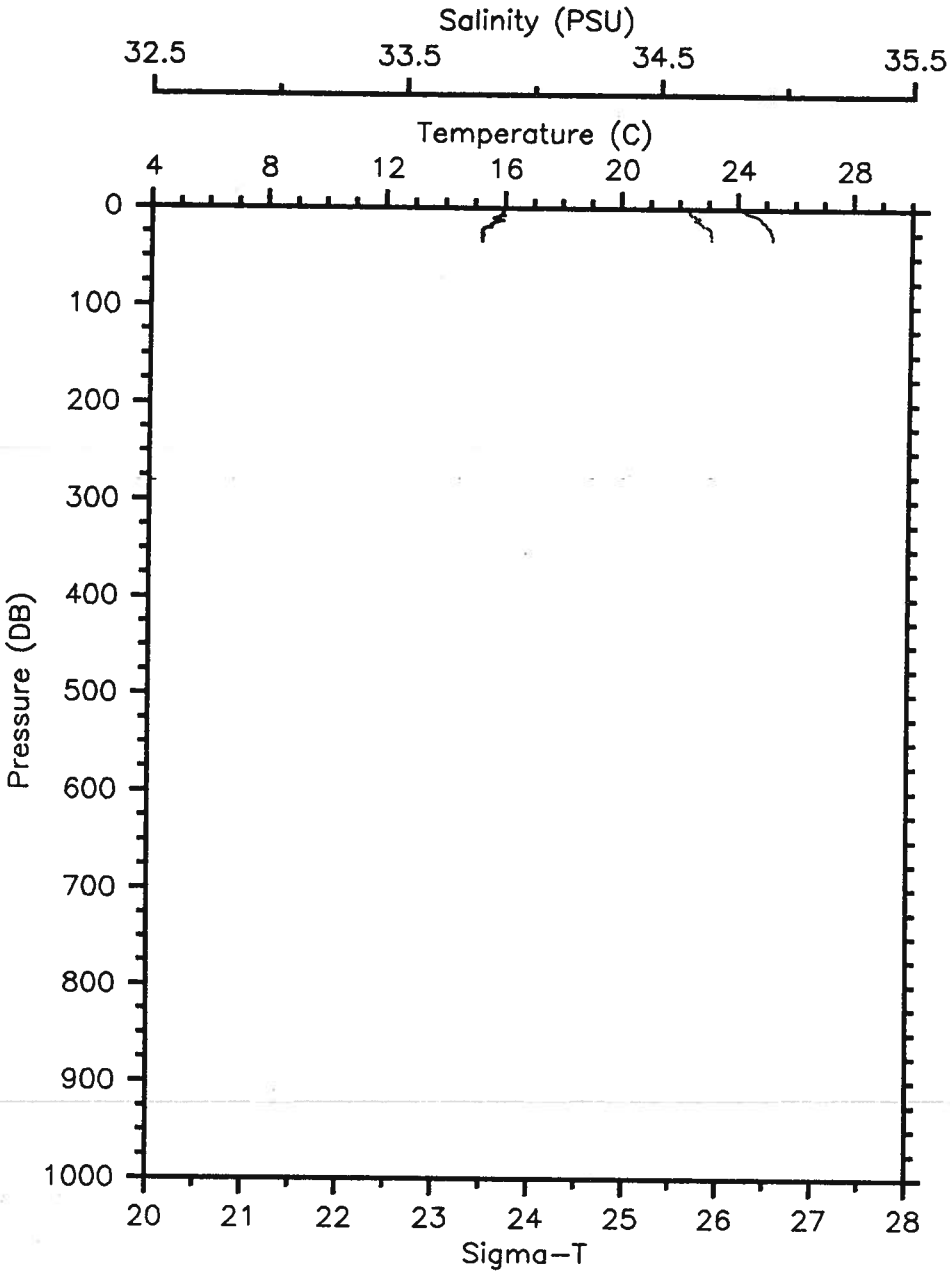


Prs	Tem	Sal	SigT
0	16.06	34.918	25.67
10	14.72	34.958	26.00
20	13.87	34.964	26.19
30	13.67	34.961	26.23
40	13.56	34.957	26.25
50	13.47	34.953	26.26

EPOCS EP5-85-RS CTD 1 RESEARCHER

Date 12 04 85 Latitude 5.081 S

Time 0226 Z Longitude 81.284 W

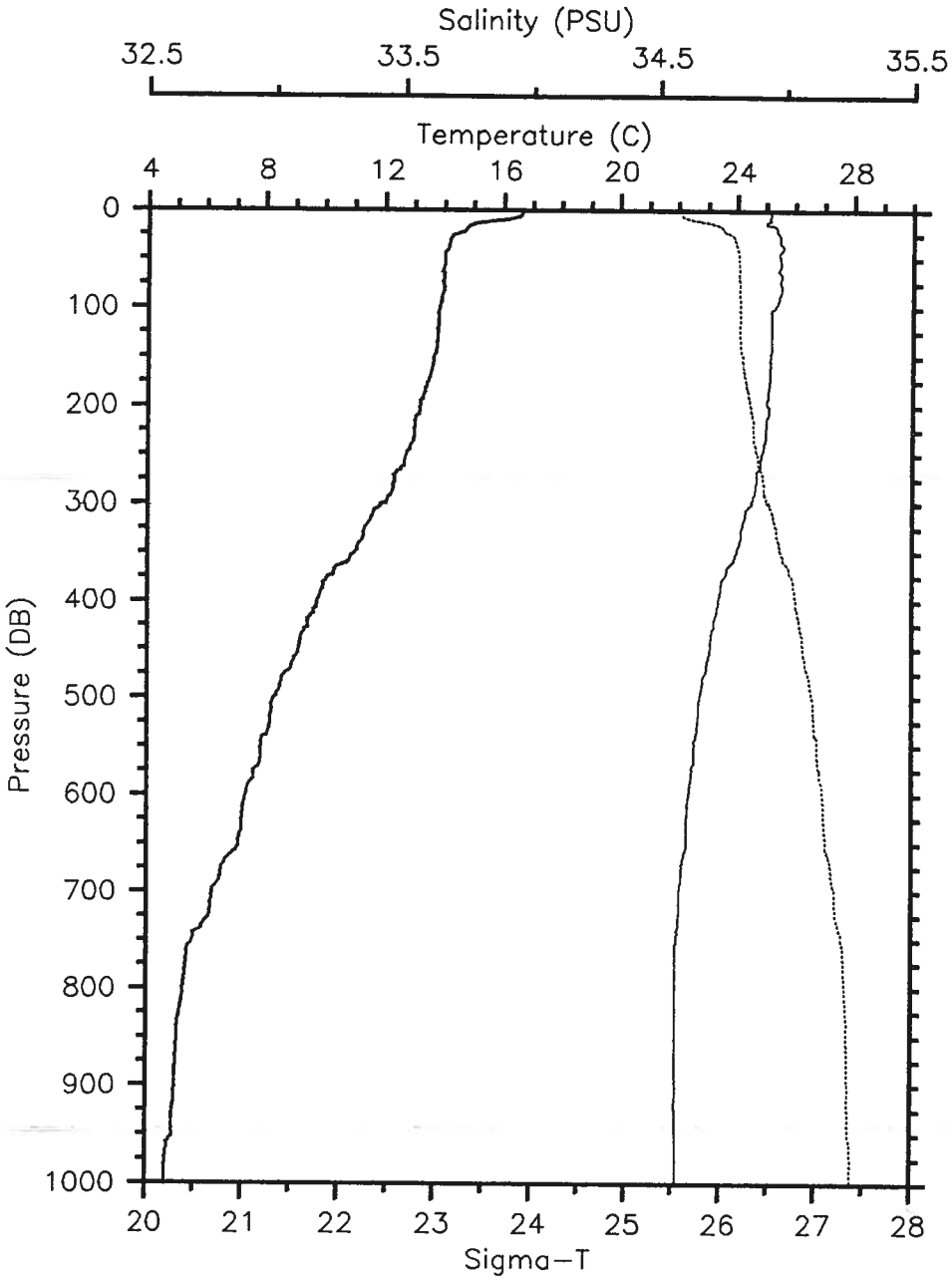


Prs	Tem	Sal	SigT
0	15.93	34.833	25.64
10	15.65	34.901	25.75
20	15.32	34.937	25.85
30	15.25	34.948	25.88

EPOCS EP5-85-RS CTD 2 RESEARCHER

Date 12 04 85 Latitude 4.997 S

Time 0443 Z Longitude 81.508 W

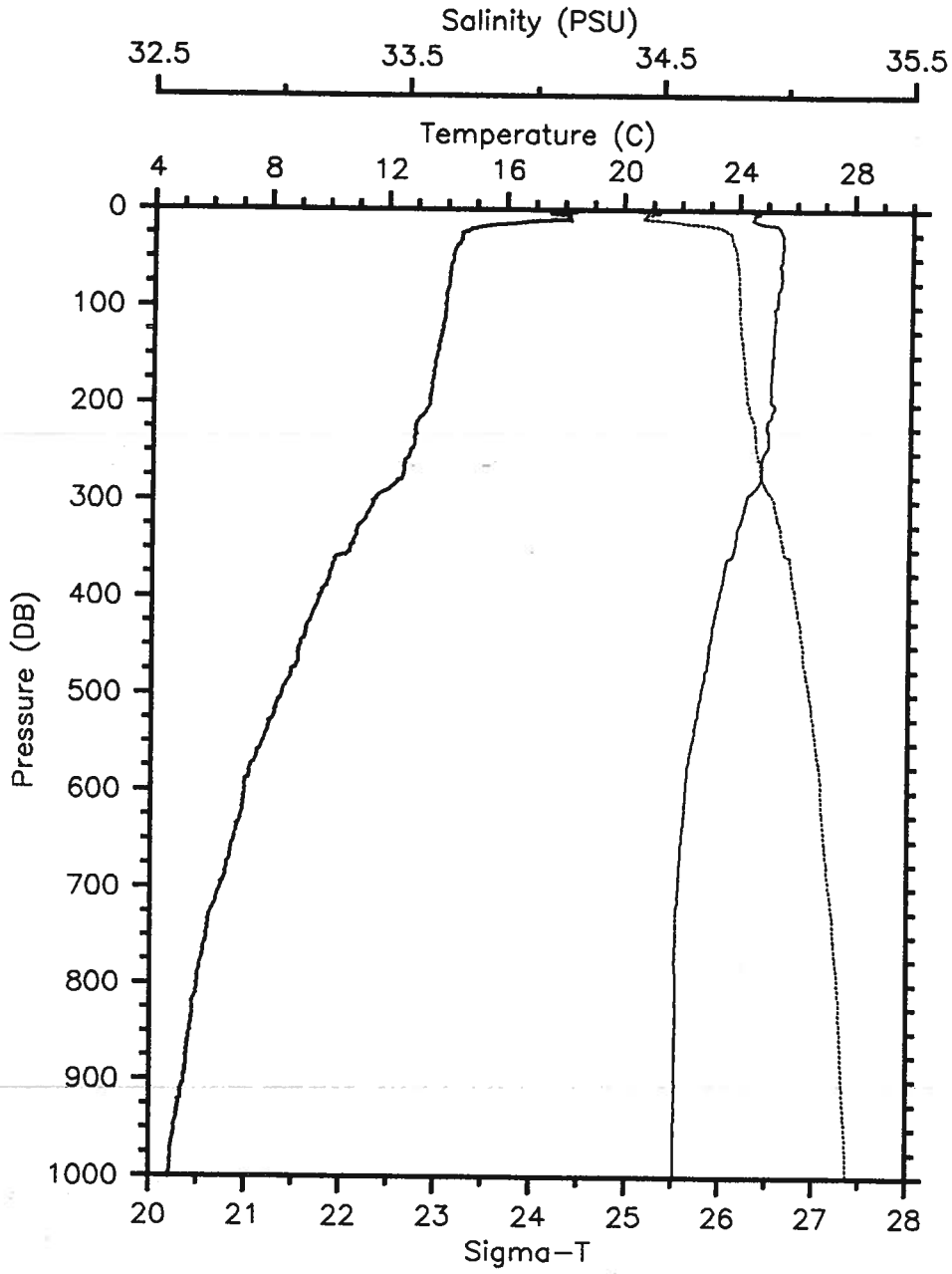


Prs	Tem	Sal	SigT
0	16.62	34.939	25.56
10	16.03	34.941	25.70
20	14.72	34.962	26.00
30	14.18	34.975	26.13
40	14.11	34.986	26.15
50	14.01	34.978	26.17
60	13.96	34.973	26.18
70	13.98	34.980	26.18
80	13.98	34.983	26.18
90	13.91	34.972	26.19
100	13.85	34.958	26.19
110	13.80	34.944	26.19
120	13.80	34.944	26.19
130	13.79	34.945	26.19
140	13.76	34.945	26.20
150	13.66	34.941	26.21
160	13.62	34.941	26.22
170	13.52	34.940	26.24
180	13.42	34.935	26.26
190	13.31	34.931	26.28
200	13.19	34.936	26.30
210	13.08	34.931	26.32
220	13.03	34.926	26.33
230	13.01	34.924	26.33
240	12.89	34.917	26.35
250	12.74	34.908	26.38
260	12.66	34.904	26.39
270	12.34	34.890	26.44
280	12.29	34.885	26.44
290	12.23	34.879	26.45
300	11.89	34.869	26.51
350	11.01	34.809	26.63
400	9.77	34.739	26.79
450	9.15	34.707	26.87
500	8.34	34.667	26.96
550	7.87	34.646	27.02
600	7.35	34.624	27.07
650	7.11	34.616	27.10
700	6.23	34.589	27.20
750	5.55	34.577	27.27
800	5.24	34.574	27.31
850	5.04	34.574	27.33
900	4.97	34.576	27.34
950	4.89	34.576	27.35
1000	4.65	34.578	27.38

EPOCS EP5-85-RS CTD 3 RESEARCHER

Date 12 04 85 Latitude 4.999 S

Time 0644 Z Longitude 82.003 W

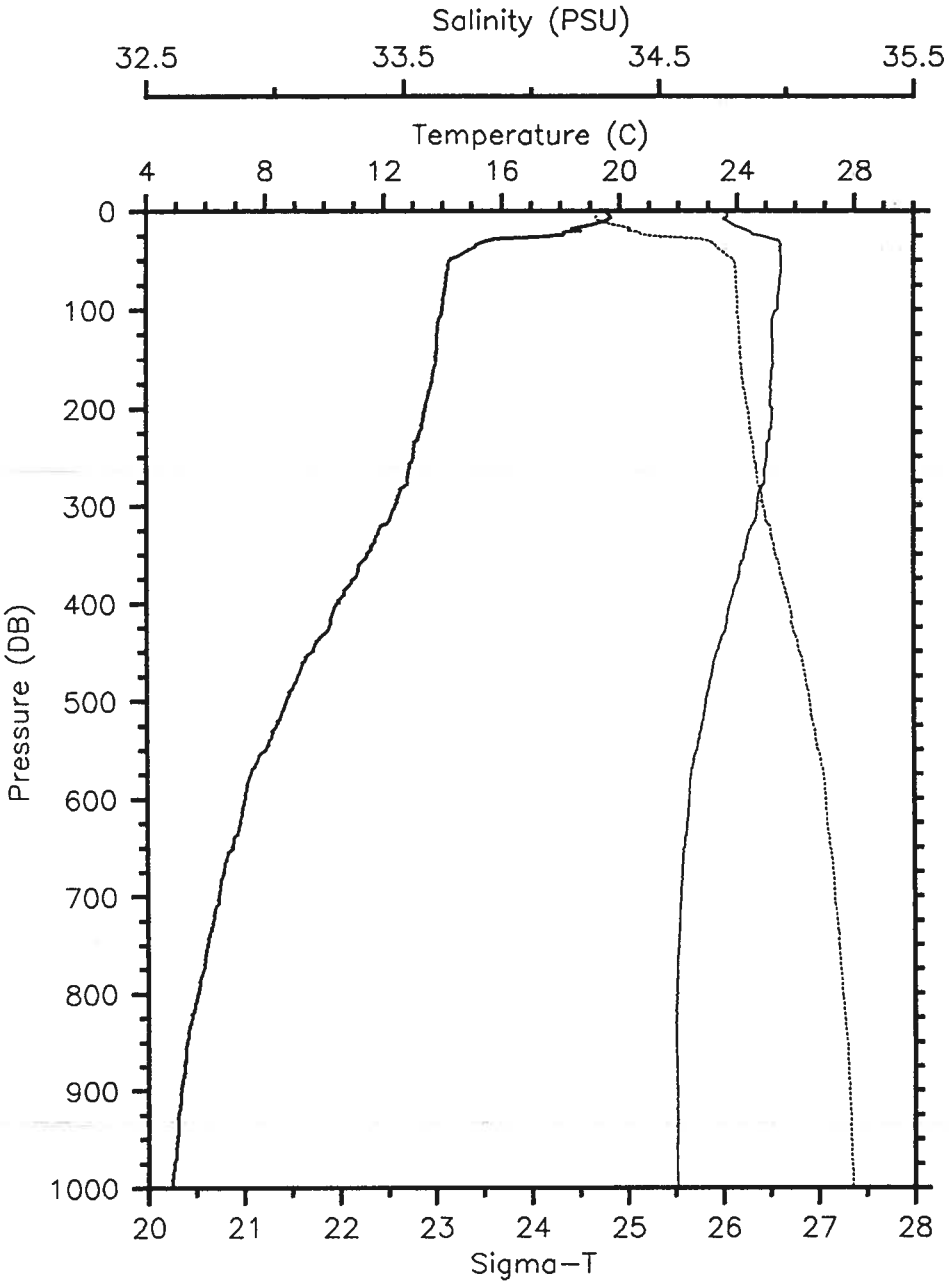


Prs	Tem	Sal	SigT
0	18.35	34.859	25.08
10	18.16	34.859	25.13
20	14.83	34.974	25.99
30	14.48	34.983	26.07
40	14.28	34.983	26.12
50	14.20	34.979	26.13
60	14.12	34.977	26.15
70	14.08	34.980	26.15
80	14.05	34.973	26.16
90	13.98	34.964	26.16
100	13.96	34.963	26.17
110	13.94	34.954	26.17
120	13.87	34.953	26.18
130	13.83	34.951	26.19
140	13.75	34.948	26.20
150	13.70	34.949	26.21
160	13.62	34.944	26.22
170	13.58	34.943	26.23
180	13.51	34.939	26.24
190	13.48	34.942	26.25
200	13.45	34.956	26.27
210	13.28	34.944	26.29
220	13.02	34.926	26.33
230	12.98	34.932	26.34
240	12.94	34.931	26.35
250	12.81	34.916	26.37
260	12.62	34.906	26.40
270	12.59	34.906	26.40
280	12.40	34.899	26.43
290	12.01	34.870	26.49
300	11.57	34.846	26.55
350	10.78	34.799	26.66
400	9.73	34.738	26.79
450	9.08	34.703	26.87
500	8.47	34.670	26.94
550	7.80	34.635	27.02
600	7.20	34.610	27.08
650	6.86	34.596	27.12
700	6.40	34.584	27.17
750	5.92	34.574	27.23
800	5.60	34.574	27.27
850	5.34	34.573	27.30
900	5.17	34.572	27.32
950	4.85	34.569	27.35
1000	4.65	34.568	27.37

EPOCS EP5-85-RS CTD 4 RESEARCHER

Date 12 04 85 Latitude 4.997 S

Time 1335 Z Longitude 83.007 W

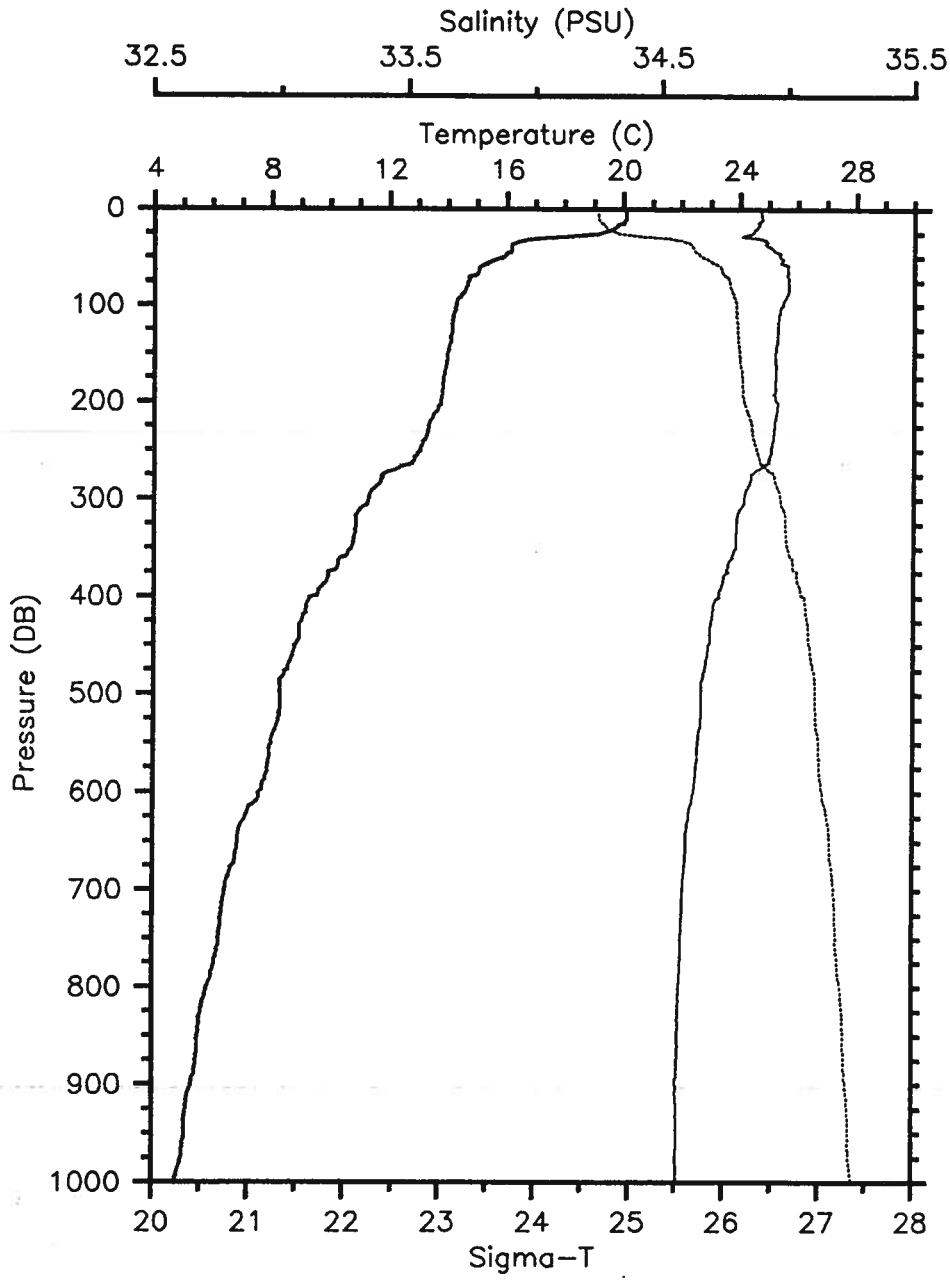


Prs	Tem	Sal	SigT
0	19.60	34.764	24.69
10	19.53	34.766	24.71
20	18.63	34.849	25.00
30	15.49	34.975	25.85
40	14.89	34.979	25.98
50	14.27	34.982	26.12
60	14.18	34.983	26.14
70	14.13	34.978	26.14
80	14.10	34.976	26.15
90	14.02	34.970	26.16
100	14.00	34.969	26.16
110	13.89	34.948	26.17
120	13.85	34.948	26.18
130	13.83	34.949	26.18
140	13.82	34.950	26.19
150	13.79	34.950	26.19
160	13.73	34.947	26.20
170	13.67	34.944	26.21
180	13.59	34.942	26.23
190	13.50	34.942	26.25
200	13.42	34.950	26.27
210	13.35	34.947	26.28
220	13.30	34.944	26.29
230	13.19	34.938	26.31
240	13.05	34.927	26.33
250	13.01	34.926	26.33
260	12.88	34.920	26.36
270	12.82	34.916	26.37
280	12.71	34.908	26.38
290	12.47	34.891	26.41
300	12.37	34.887	26.43
350	11.45	34.834	26.56
400	10.44	34.779	26.70
450	9.58	34.726	26.81
500	8.72	34.684	26.91
550	7.99	34.647	27.00
600	7.29	34.617	27.08
650	6.88	34.598	27.12
700	6.41	34.583	27.17
750	6.02	34.573	27.21
800	5.67	34.568	27.25
850	5.30	34.564	27.29
900	5.10	34.568	27.32
950	4.97	34.567	27.34
1000	4.79	34.568	27.36

EPOCS EP5-85-RS CTD 5 RESEARCHER

Date 12 05 85 Latitude 2.017 S

Time 0103 Z Longitude 85.007 W

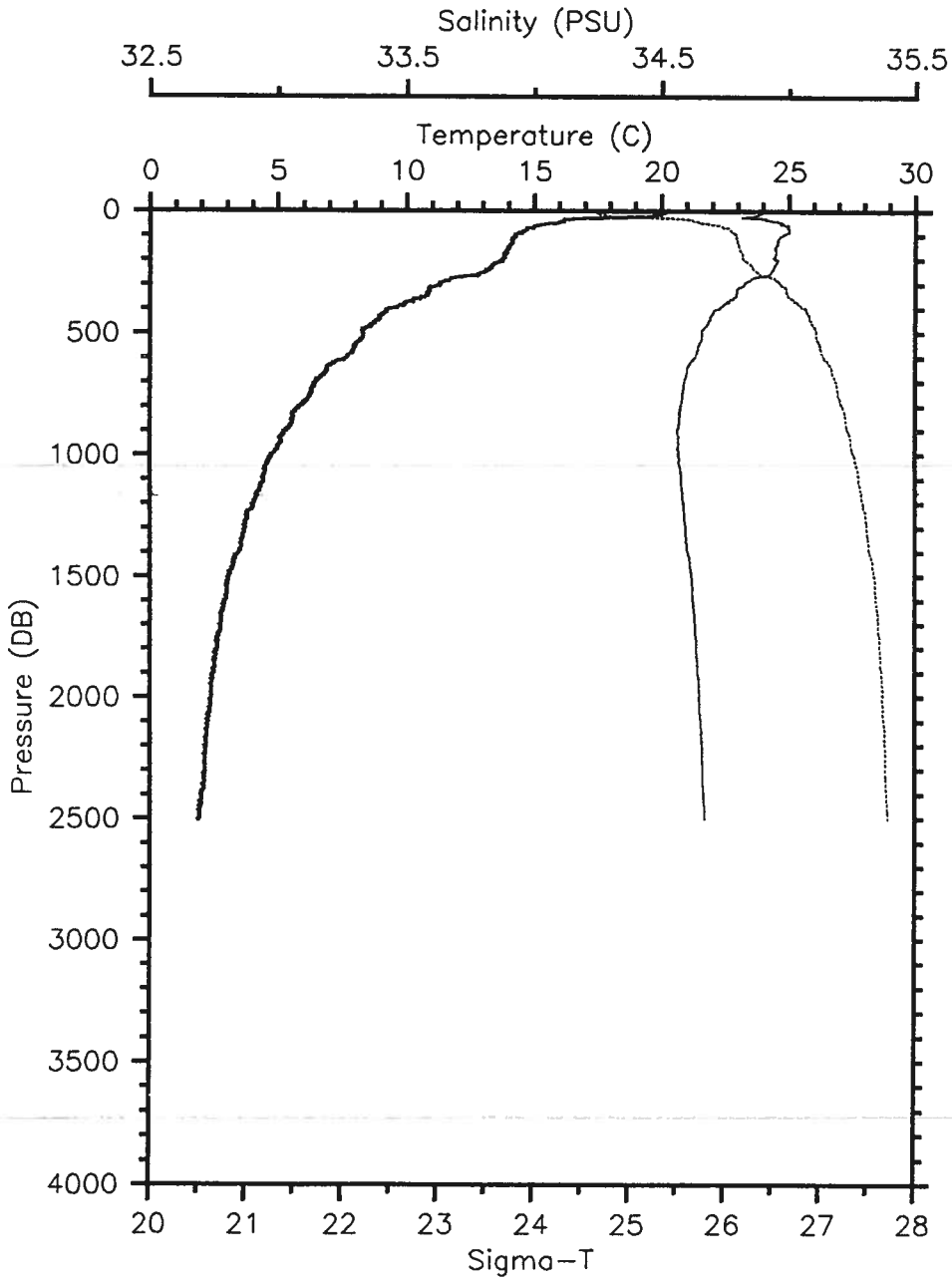


Prs	Tem	Sal	SigT
0	20.09	34.883	24.65
10	20.09	34.893	24.66
20	19.67	34.873	24.75
30	17.22	34.882	25.37
40	16.16	34.931	25.66
50	15.87	34.965	25.75
60	15.08	34.996	25.95
70	14.74	34.998	26.03
80	14.64	35.002	26.05
90	14.44	34.990	26.09
100	14.26	34.978	26.12
110	14.19	34.959	26.12
120	14.14	34.957	26.13
130	14.12	34.956	26.13
140	14.06	34.953	26.14
150	13.99	34.947	26.15
160	13.96	34.947	26.16
170	13.90	34.951	26.17
180	13.84	34.947	26.18
190	13.81	34.947	26.19
200	13.77	34.958	26.20
210	13.61	34.953	26.23
220	13.38	34.946	26.27
230	13.31	34.943	26.29
240	13.17	34.937	26.31
250	13.06	34.932	26.33
260	12.84	34.922	26.37
270	12.20	34.872	26.45
280	11.71	34.850	26.53
290	11.44	34.834	26.57
300	11.30	34.825	26.59
350	10.73	34.792	26.66
400	9.35	34.731	26.85
450	8.82	34.687	26.90
500	8.30	34.660	26.96
550	8.02	34.647	26.99
600	7.60	34.629	27.04
650	6.89	34.602	27.12
700	6.47	34.591	27.17
750	6.26	34.585	27.19
800	5.85	34.576	27.24
850	5.55	34.572	27.27
900	5.32	34.564	27.29
950	5.08	34.568	27.32
1000	4.78	34.569	27.36

EPOCS EP5-85-RS CTD 5 RESEARCHER

Date 12 05 85 Latitude 2.017 S

Time 0103 Z Longitude 85.007 W

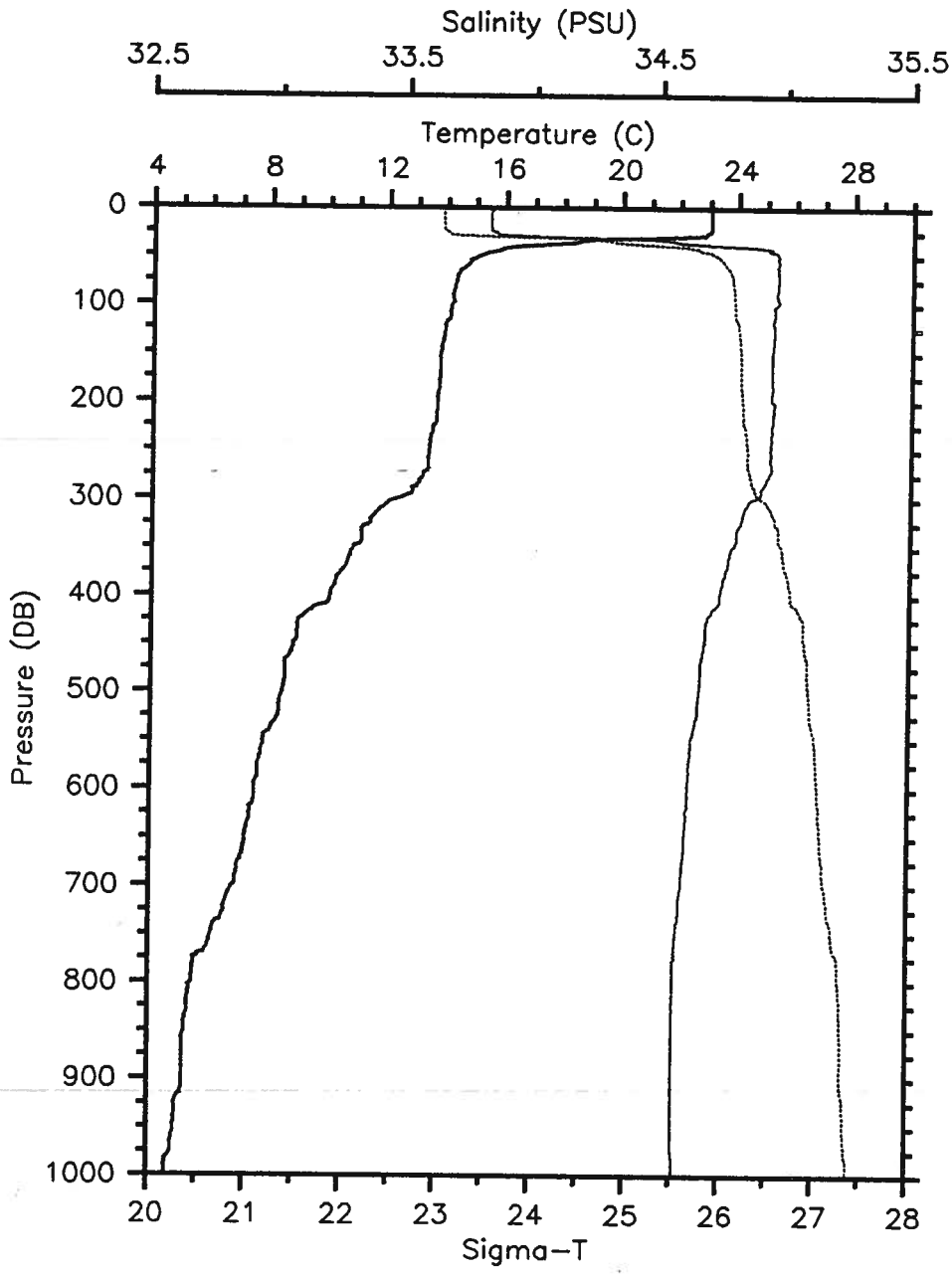


Prs	Tem	Sal	SigT
0	20.09	34.883	24.65
20	19.67	34.873	24.75
40	16.16	34.931	25.66
60	15.08	34.996	25.95
80	14.64	35.002	26.05
100	14.26	34.978	26.12
120	14.14	34.957	26.13
140	14.06	34.953	26.14
160	13.96	34.947	26.16
180	13.84	34.947	26.18
200	13.77	34.958	26.20
220	13.38	34.946	26.27
240	13.17	34.937	26.31
260	12.84	34.922	26.37
280	11.71	34.850	26.53
300	11.30	34.825	26.59
320	10.88	34.798	26.64
340	10.81	34.795	26.65
360	10.40	34.782	26.71
380	9.93	34.746	26.77
400	9.35	34.731	26.85
450	8.82	34.687	26.90
500	8.30	34.660	26.96
550	8.02	34.647	26.99
600	7.60	34.629	27.04
650	6.89	34.602	27.12
700	6.47	34.591	27.17
750	6.26	34.585	27.19
800	5.85	34.576	27.24
850	5.55	34.572	27.27
900	5.32	34.564	27.29
950	5.08	34.568	27.32
1000	4.78	34.569	27.36
1500	3.06	34.620	27.58
2000	2.36	34.651	27.66
2500	1.91	34.673	27.72

EPOCS EP5-85-RS CTD 6 RESEARCHER

Date 12 05 85 Latitude 0.004 S

Time 1345 Z Longitude 85.002 W

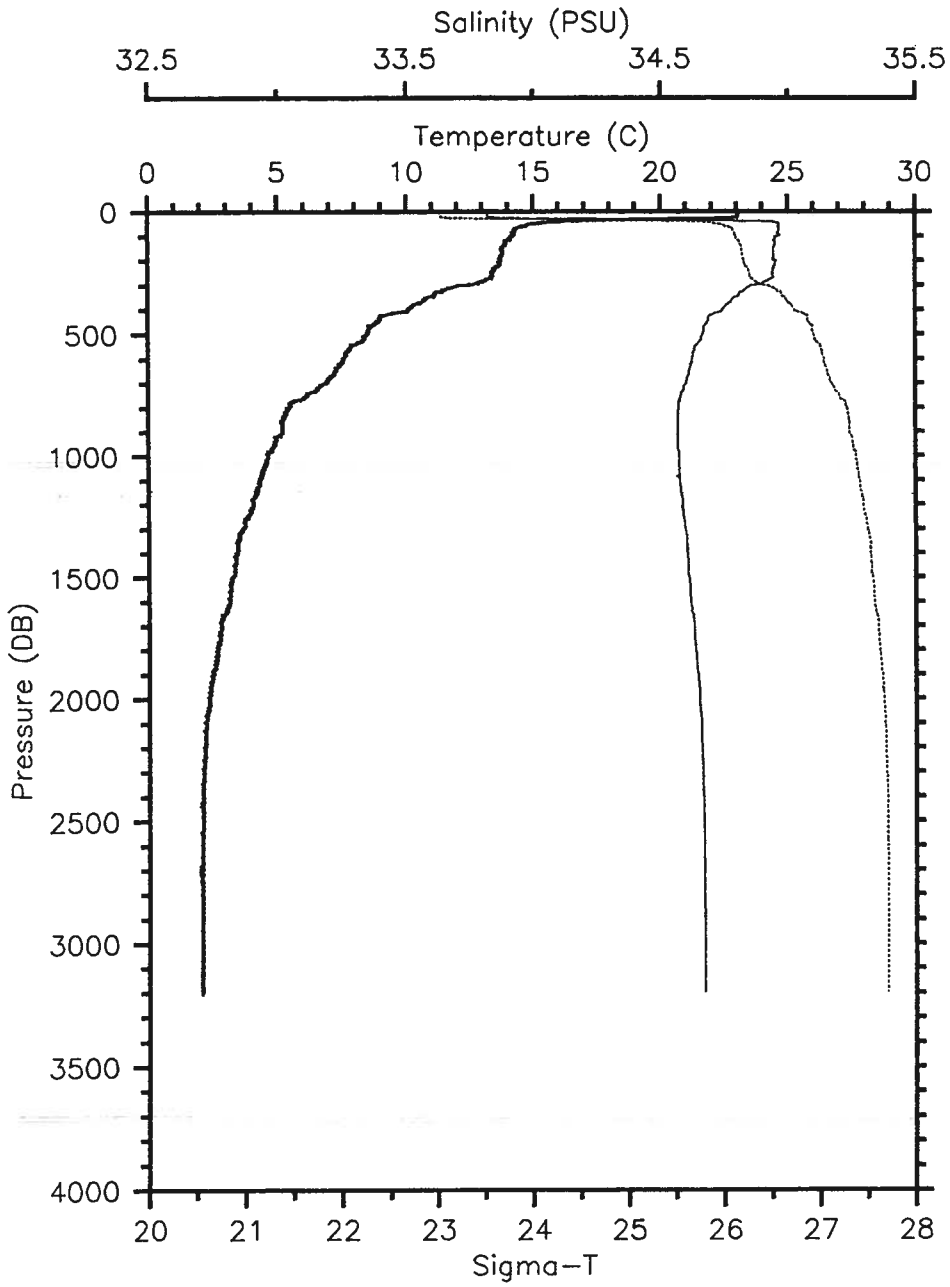


Prs	Tem	Sal	SigT
0	23.03	33.831	23.04
10	23.03	33.823	23.03
20	23.03	33.823	23.04
30	21.52	34.040	23.62
40	16.36	34.866	25.56
50	15.08	34.968	25.93
60	14.64	34.963	26.02
70	14.34	34.967	26.09
80	14.28	34.965	26.10
90	14.20	34.960	26.11
100	14.17	34.962	26.12
110	14.11	34.952	26.13
120	13.95	34.949	26.16
130	13.93	34.952	26.17
140	13.85	34.949	26.18
150	13.80	34.946	26.19
160	13.79	34.946	26.19
170	13.78	34.946	26.19
180	13.76	34.946	26.20
190	13.73	34.945	26.20
200	13.70	34.954	26.21
210	13.69	34.952	26.22
220	13.67	34.950	26.22
230	13.54	34.947	26.24
240	13.45	34.943	26.26
250	13.41	34.940	26.26
260	13.39	34.940	26.27
270	13.37	34.945	26.28
280	13.13	34.924	26.31
290	12.86	34.904	26.35
300	12.33	34.867	26.42
350	10.87	34.790	26.64
400	10.09	34.745	26.74
450	8.86	34.684	26.89
500	8.47	34.665	26.94
550	7.85	34.635	27.01
600	7.55	34.624	27.05
650	7.25	34.613	27.08
700	6.86	34.601	27.12
750	6.13	34.581	27.21
800	5.46	34.571	27.28
850	5.24	34.570	27.31
900	5.17	34.569	27.31
950	4.89	34.569	27.35
1000	4.61	34.573	27.38

EPOCS EP5-85-RS CTD 6 RESEARCHER

Date 12 05 85 Latitude 0.004 S

Time 1345 Z Longitude 85.002 W

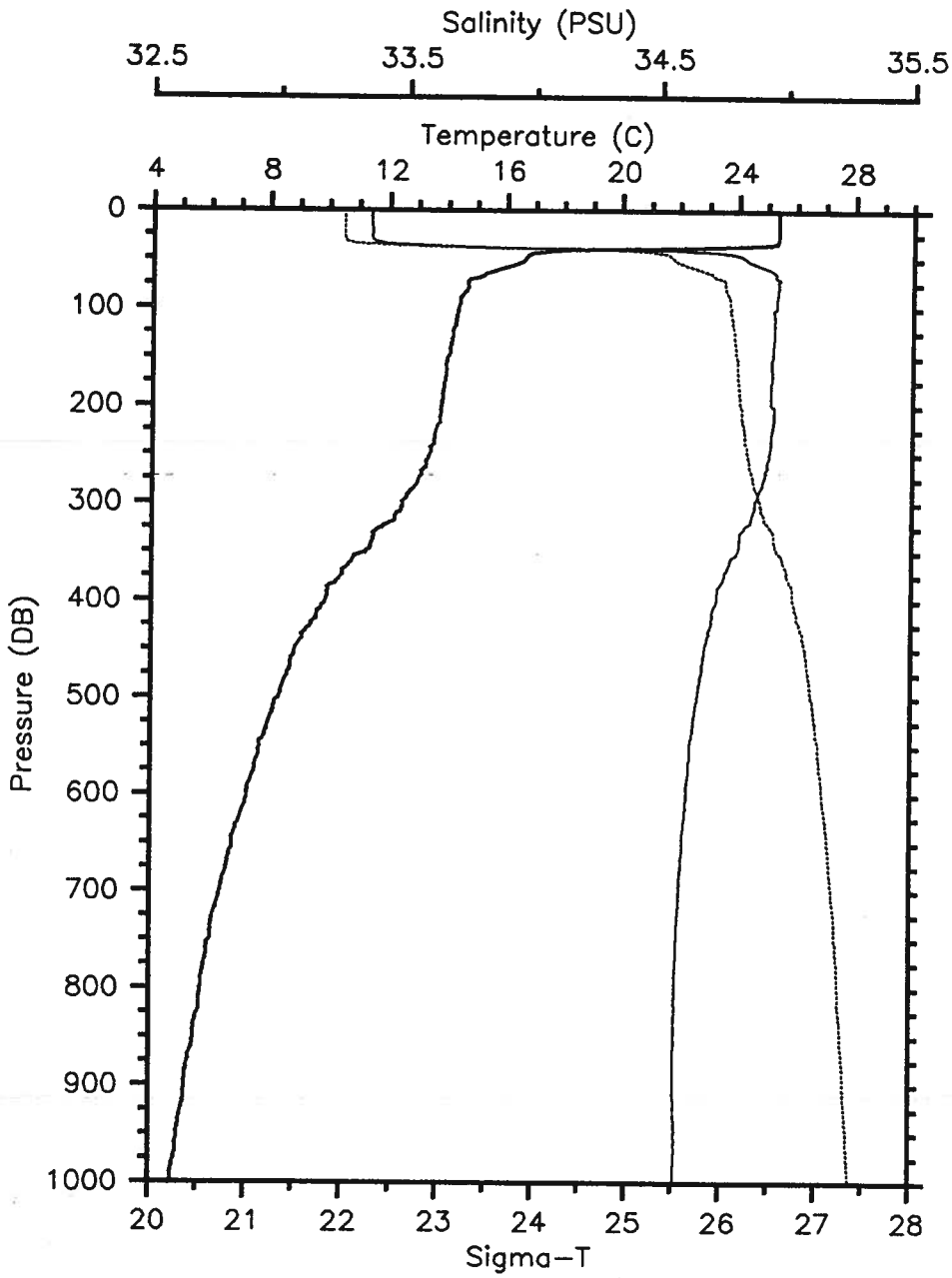


Prs	Tem	Sal	SigT
0	23.03	33.831	23.04
20	23.03	33.823	23.04
40	16.36	34.866	25.56
60	14.64	34.963	26.02
80	14.28	34.965	26.10
100	14.17	34.962	26.12
120	13.95	34.949	26.16
140	13.85	34.949	26.18
160	13.79	34.946	26.19
180	13.76	34.946	26.20
200	13.70	34.954	26.21
220	13.67	34.950	26.22
240	13.45	34.943	26.26
260	13.39	34.940	26.27
280	13.13	34.924	26.31
300	12.33	34.867	26.42
320	11.46	34.831	26.56
340	11.14	34.809	26.60
360	10.73	34.781	26.65
380	10.32	34.761	26.71
400	10.09	34.745	26.74
450	8.86	34.684	26.89
500	8.47	34.665	26.94
550	7.85	34.635	27.01
600	7.55	34.624	27.05
650	7.25	34.613	27.08
700	6.86	34.601	27.12
750	6.13	34.581	27.21
800	5.46	34.571	27.28
850	5.24	34.570	27.31
900	5.17	34.569	27.31
950	4.89	34.569	27.35
1000	4.61	34.573	27.38
1500	3.24	34.610	27.55
2000	2.33	34.651	27.67
2500	2.06	34.667	27.70
3000	2.04	34.671	27.71

EPOCS EP5-85-RS CTD 7 RESEARCHER

Date 12 06 85 Latitude 2.003 N

Time 0236 Z Longitude 83.257 W

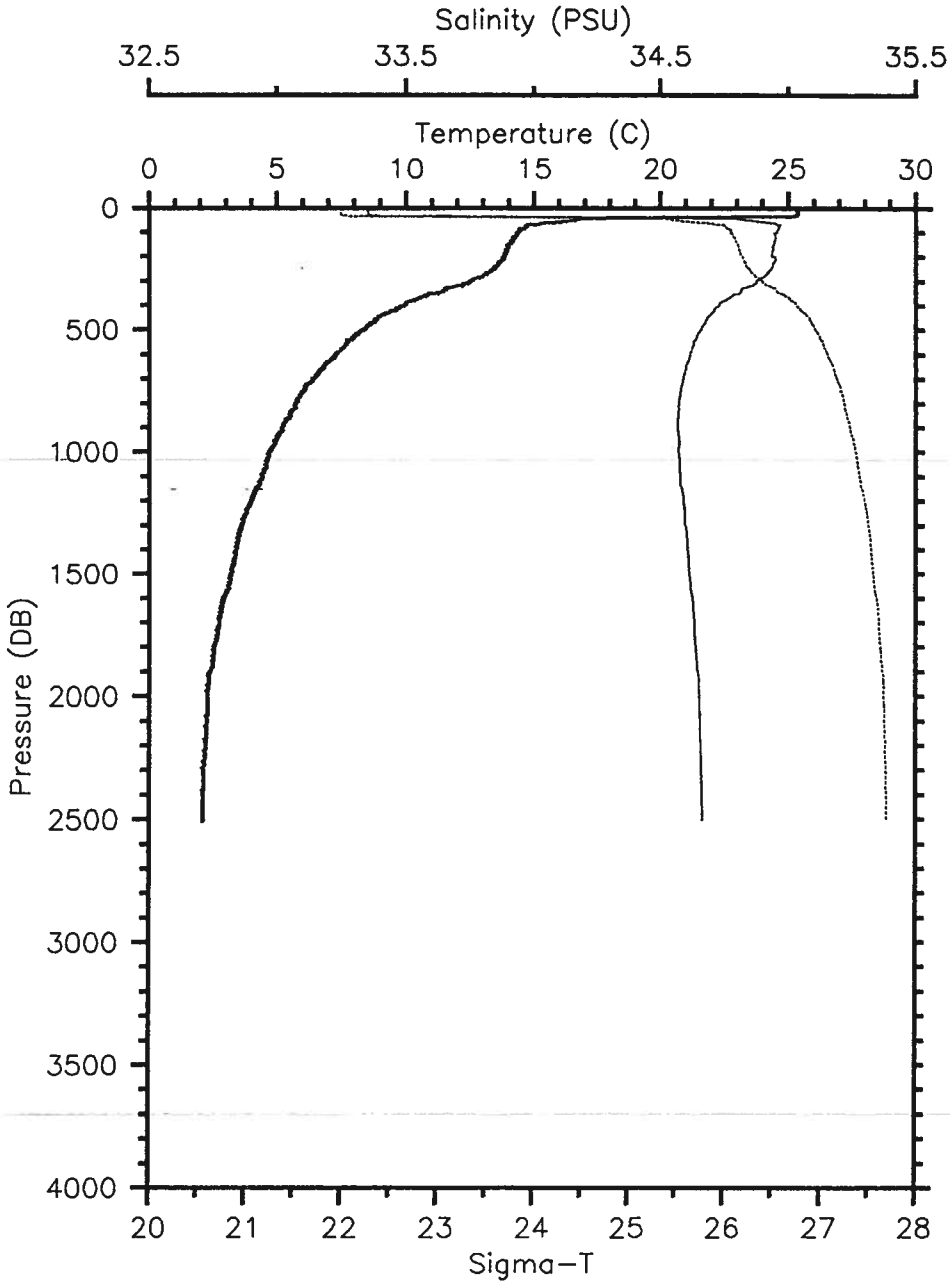


Prs	Tem	Sal	SigT
0	25.35	33.352	21.99
10	25.34	33.352	21.99
20	25.34	33.354	22.00
30	25.33	33.358	22.00
40	18.33	34.537	24.84
50	16.66	34.839	25.47
60	15.74	34.934	25.76
70	14.78	34.971	26.00
80	14.67	34.963	26.02
90	14.43	34.958	26.06
100	14.37	34.957	26.08
110	14.30	34.951	26.09
120	14.20	34.950	26.11
130	14.16	34.949	26.11
140	14.10	34.946	26.13
150	14.01	34.943	26.14
160	13.97	34.941	26.15
170	13.95	34.943	26.16
180	13.89	34.937	26.16
190	13.85	34.938	26.17
200	13.80	34.949	26.19
210	13.77	34.949	26.20
220	13.67	34.946	26.21
230	13.59	34.940	26.23
240	13.52	34.937	26.24
250	13.42	34.932	26.26
260	13.30	34.924	26.27
270	13.15	34.916	26.30
280	12.99	34.906	26.32
290	12.69	34.889	26.37
300	12.51	34.876	26.40
350	11.28	34.807	26.57
400	9.94	34.729	26.75
450	8.92	34.684	26.88
500	8.36	34.657	26.95
550	7.72	34.631	27.03
600	7.32	34.617	27.07
650	6.81	34.601	27.13
700	6.41	34.590	27.18
750	6.05	34.578	27.21
800	5.75	34.573	27.25
850	5.50	34.571	27.28
900	5.22	34.570	27.31
950	4.96	34.575	27.34
1000	4.72	34.571	27.37

EPOCS EP5-85-RS CTD 7 RESEARCHER

Date 12 06 85 Latitude 2.003 N

Time 0236 Z Longitude 83.257 W



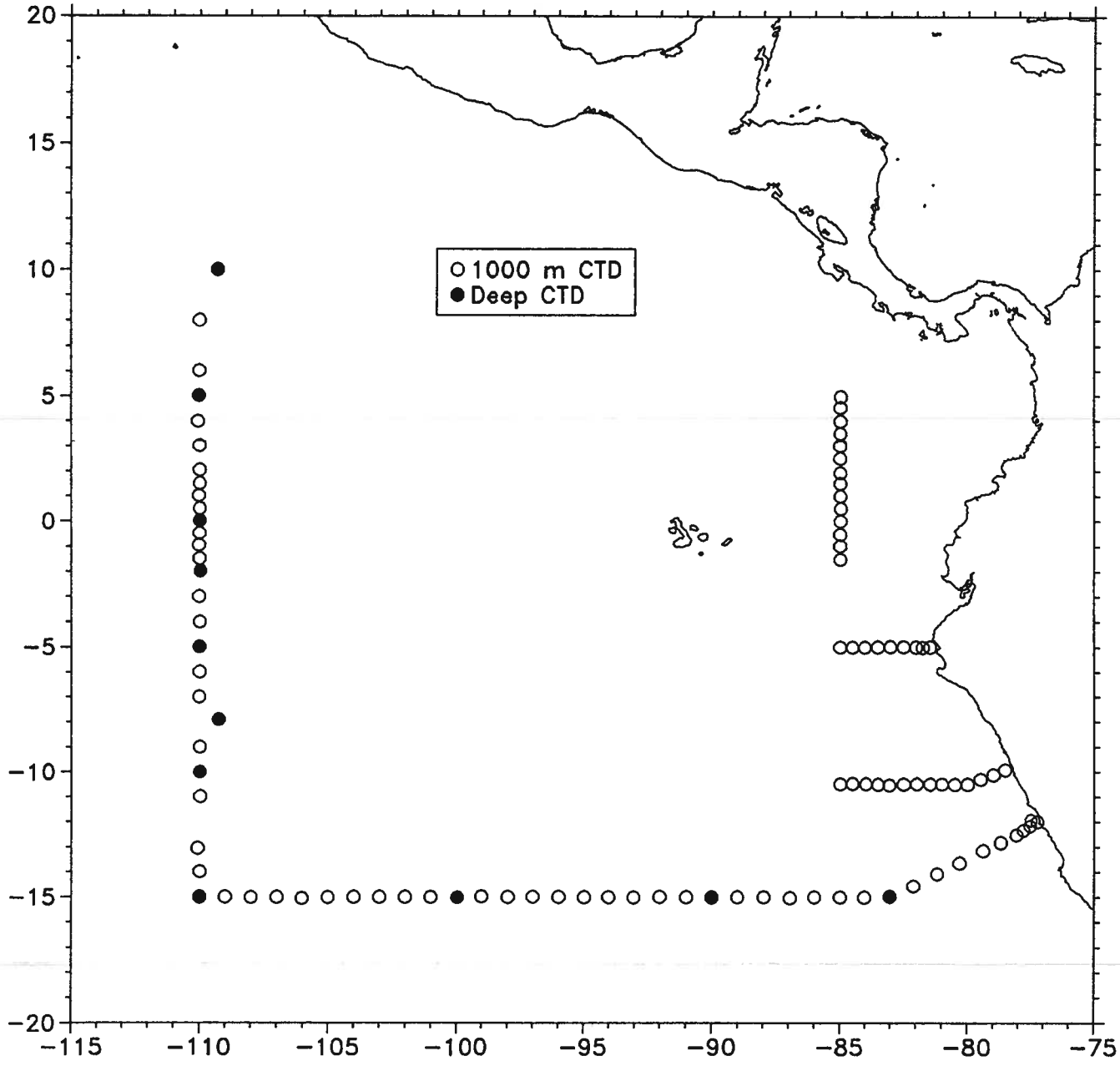
Prs	Tem	Sal	SigT
0	25.35	33.352	21.99
20	25.34	33.354	22.00
40	18.33	34.537	24.84
60	15.74	34.934	25.76
80	14.67	34.963	26.02
100	14.37	34.957	26.08
120	14.20	34.950	26.11
140	14.10	34.946	26.13
160	13.97	34.941	26.15
180	13.89	34.937	26.16
200	13.80	34.949	26.19
220	13.67	34.946	26.21
240	13.52	34.937	26.24
260	13.30	34.924	26.27
280	12.99	34.906	26.32
300	12.51	34.876	26.40
320	12.08	34.858	26.46
340	11.46	34.816	26.55
360	10.81	34.780	26.64
380	10.30	34.752	26.71
400	9.94	34.729	26.75
450	8.92	34.684	26.88
500	8.36	34.657	26.95
550	7.72	34.631	27.03
600	7.32	34.617	27.07
650	6.81	34.601	27.13
700	6.41	34.590	27.18
750	6.05	34.578	27.21
800	5.75	34.573	27.25
850	5.50	34.571	27.28
900	5.22	34.570	27.31
950	4.96	34.575	27.34
1000	4.72	34.571	27.37
1500	3.22	34.615	27.56
2000	2.28	34.654	27.67
2500	2.09	34.667	27.70

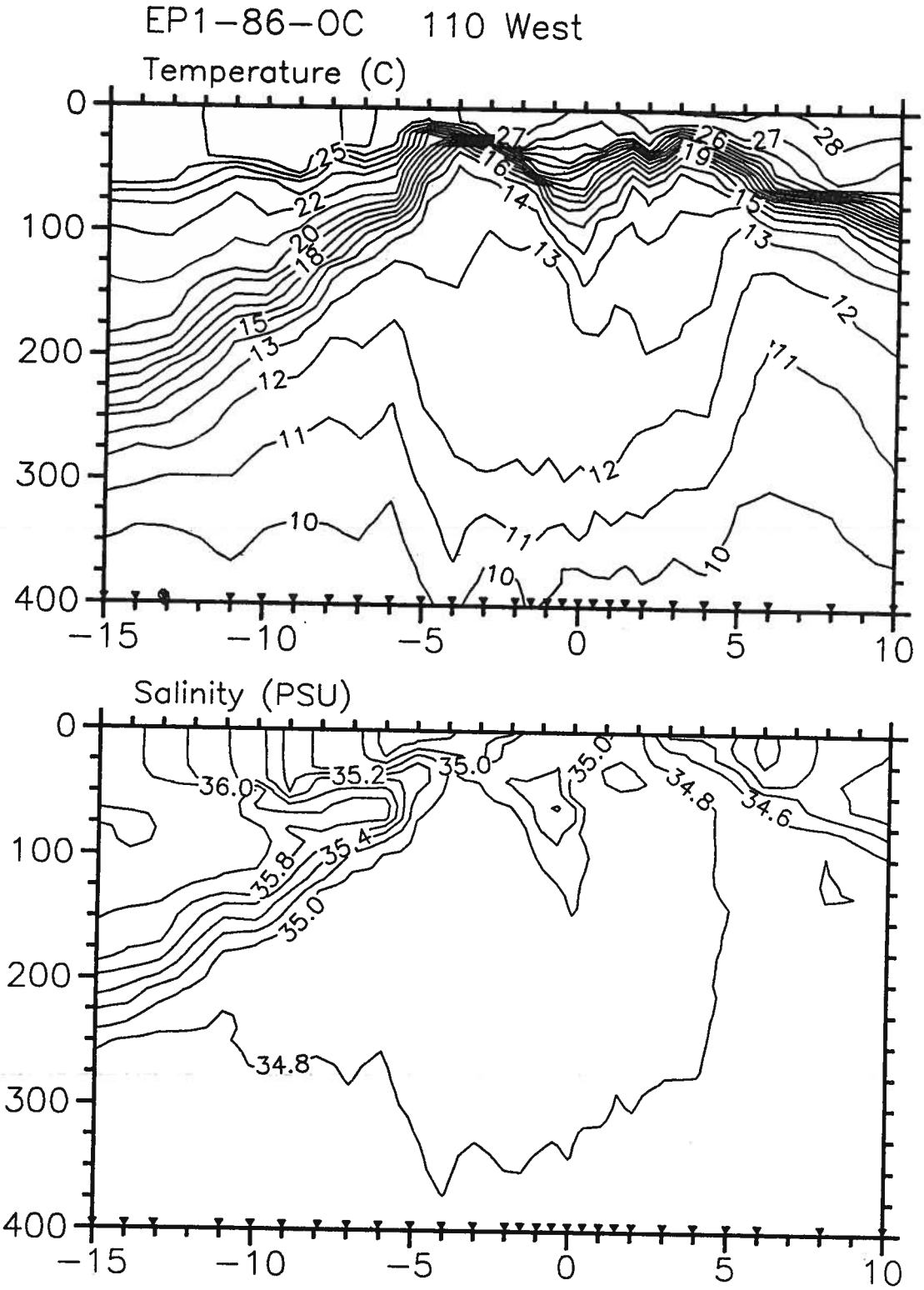
EP1-86-OC

13 April 1986 - 15 May 1986

CTD STATIONS

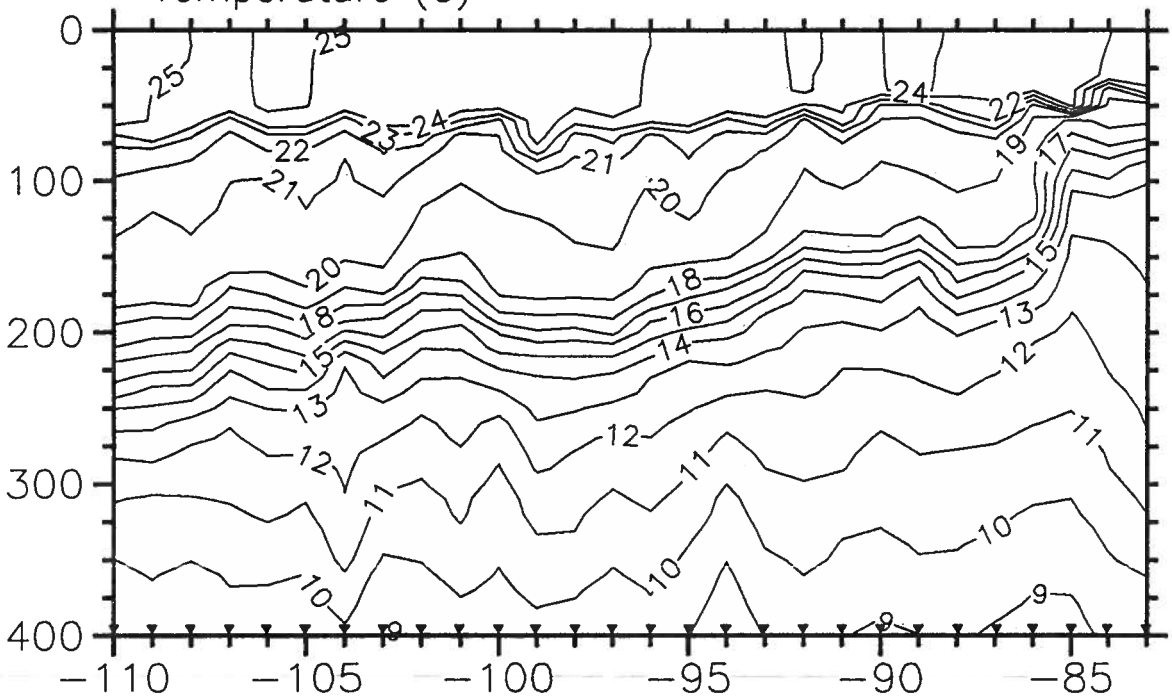
EP1-86-OC 13 Apr 86 - 15 May 86



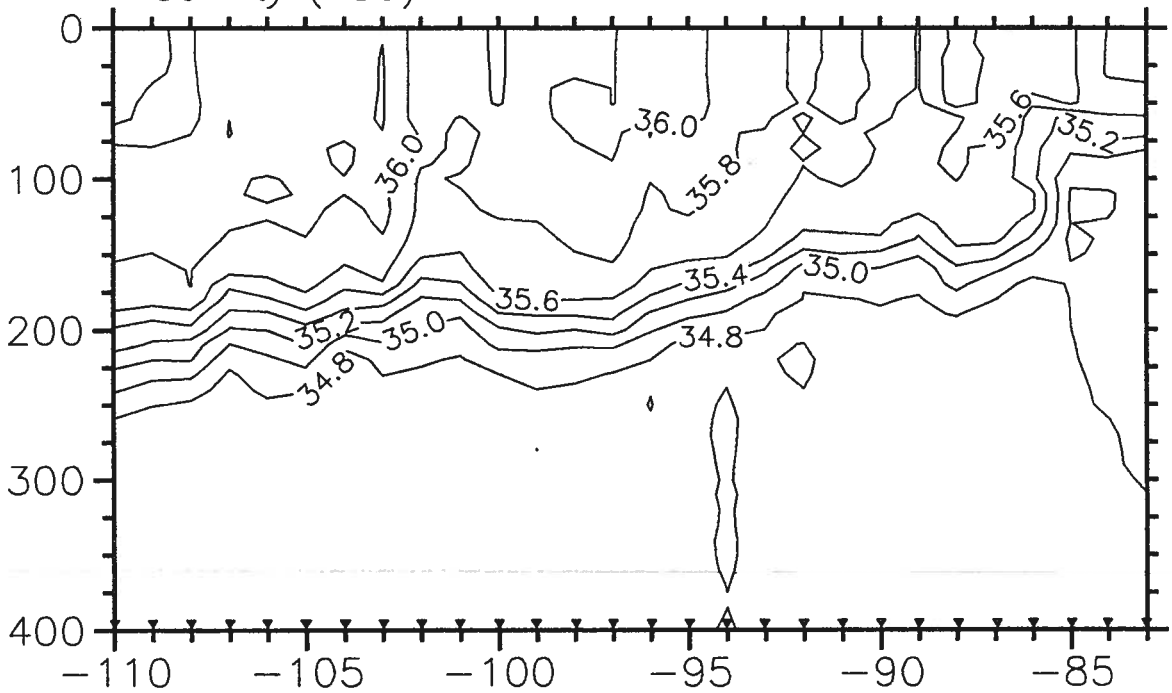

EP1-86-OC 110 West
Temperature (C)
Salinity (PSU)

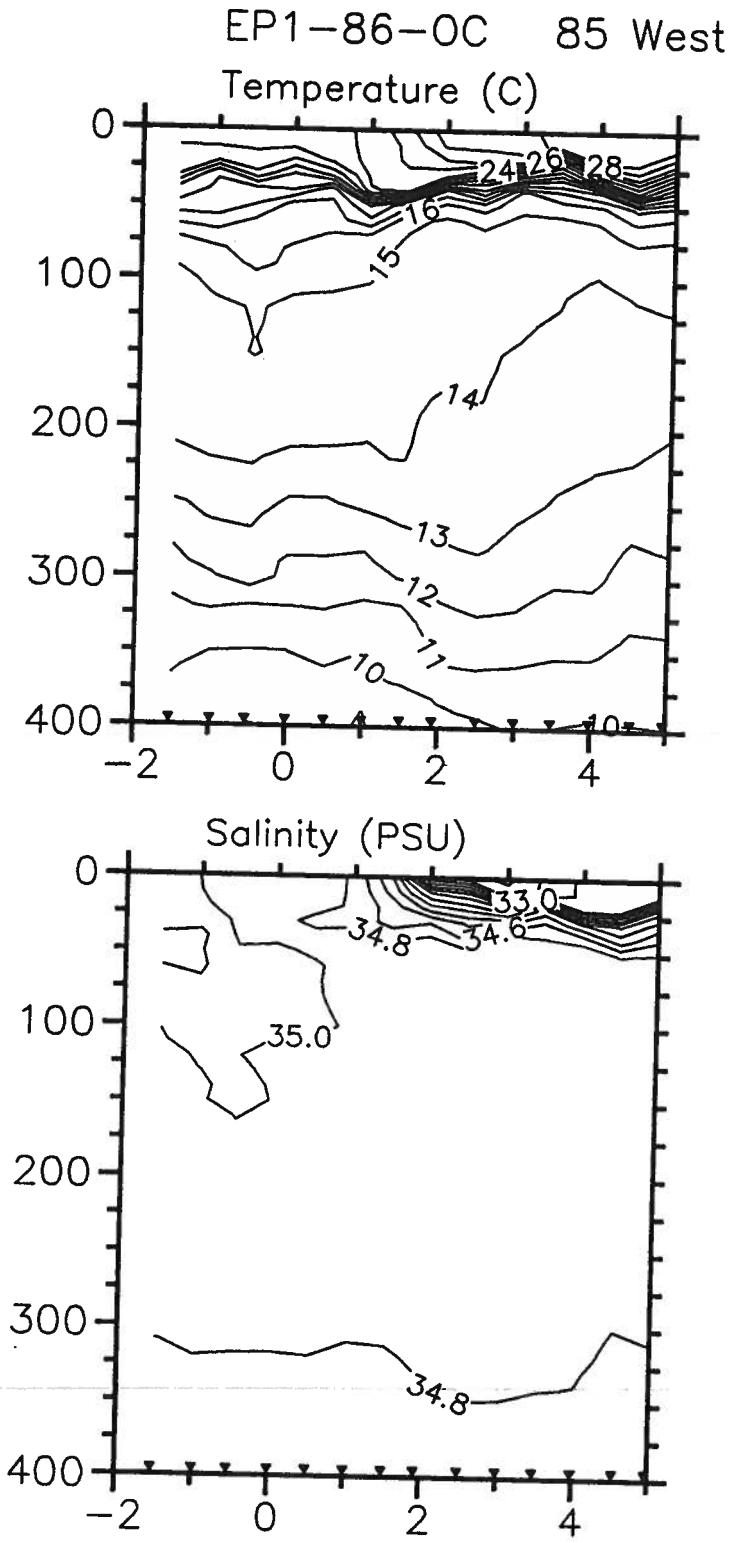
EP1-86-OC 15 South

Temperature (C)

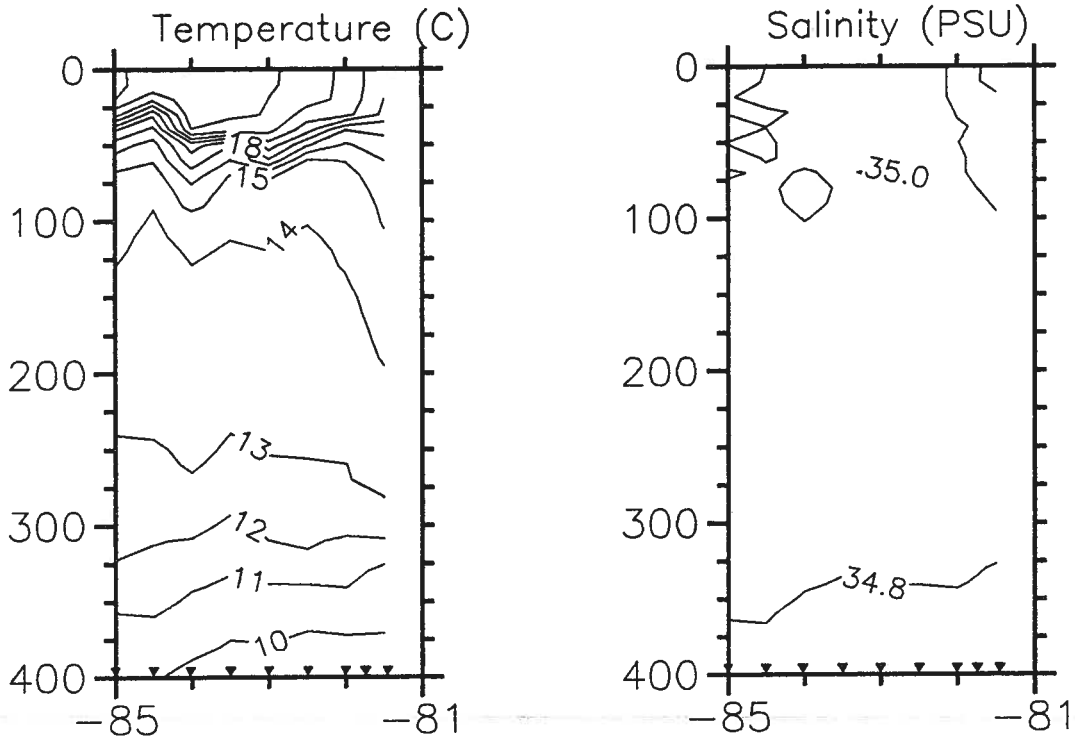


Salinity (PSU)

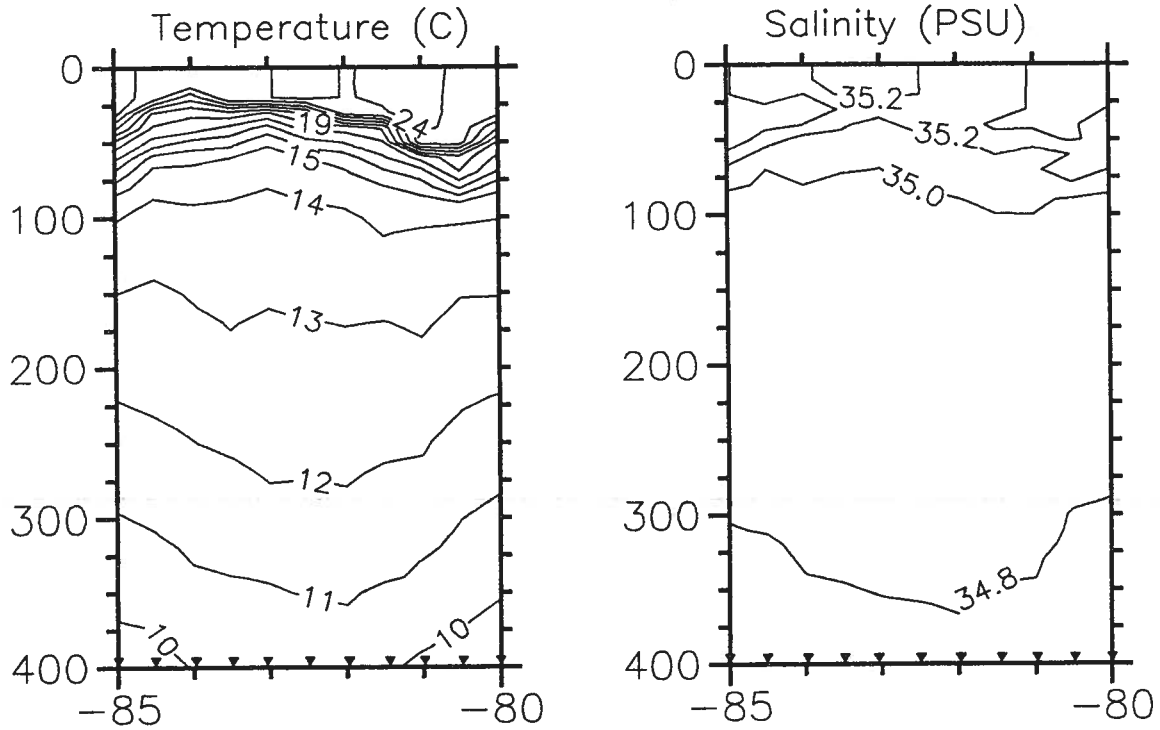


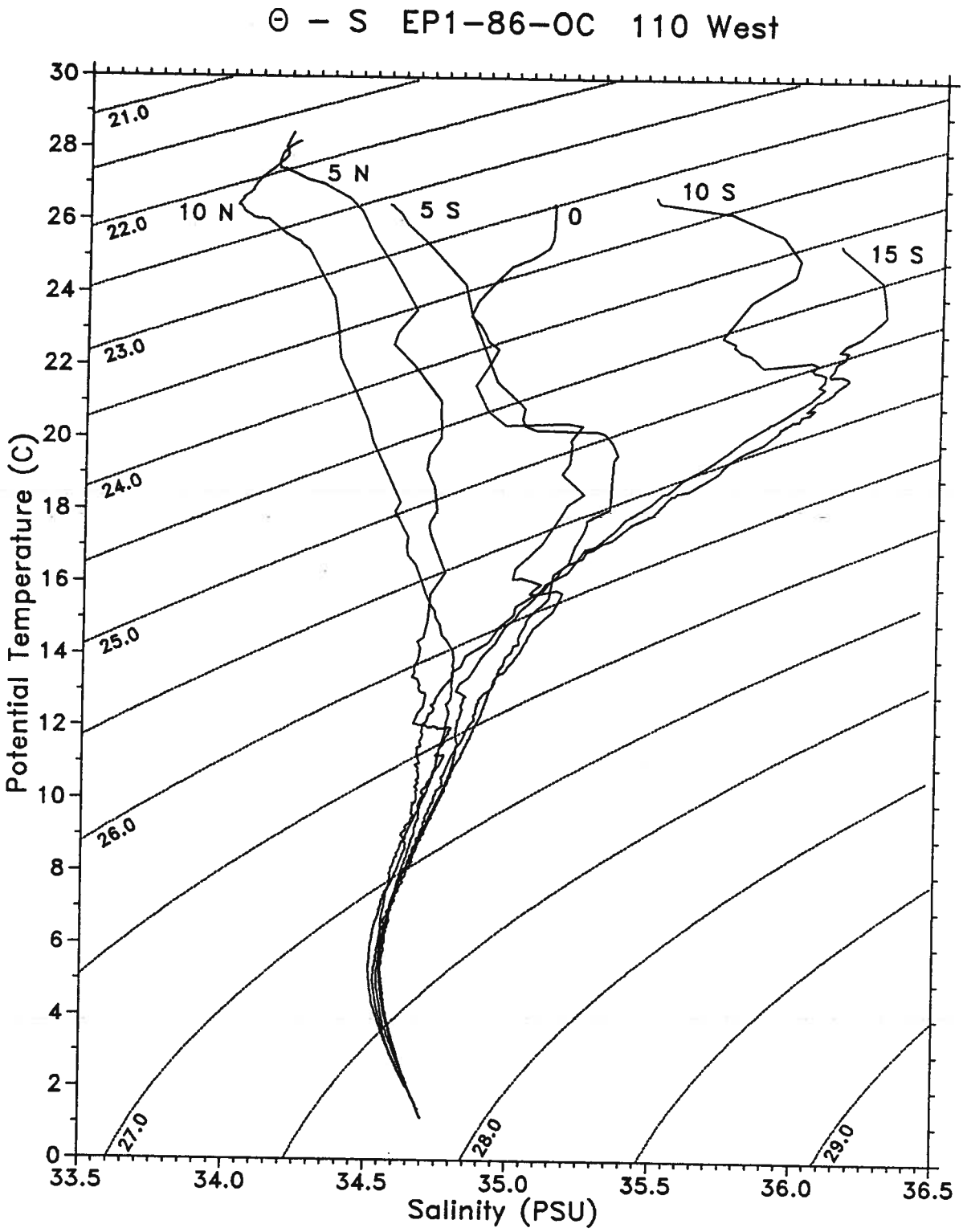

EP1-86-OC 85 West
Temperature (C)
0
100
200
300
400
-2
0
2
4
24
26
28
16
15
14
13
12
11
10
10
Salinity (PSU)
0
100
200
300
400
-2
0
2
4
33.0
34.8
34.6
35.0
34.8

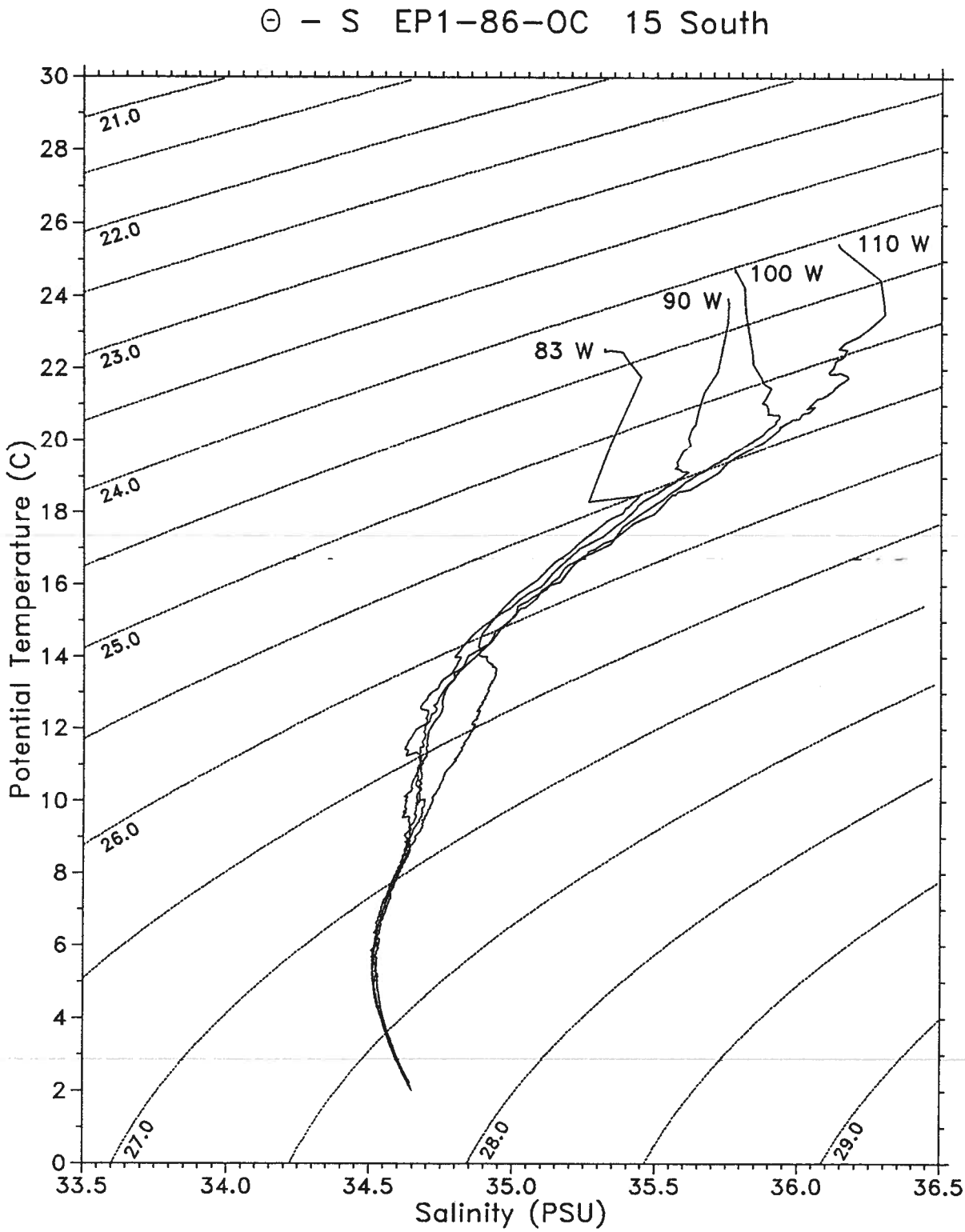
EP1-86-OC 5 South

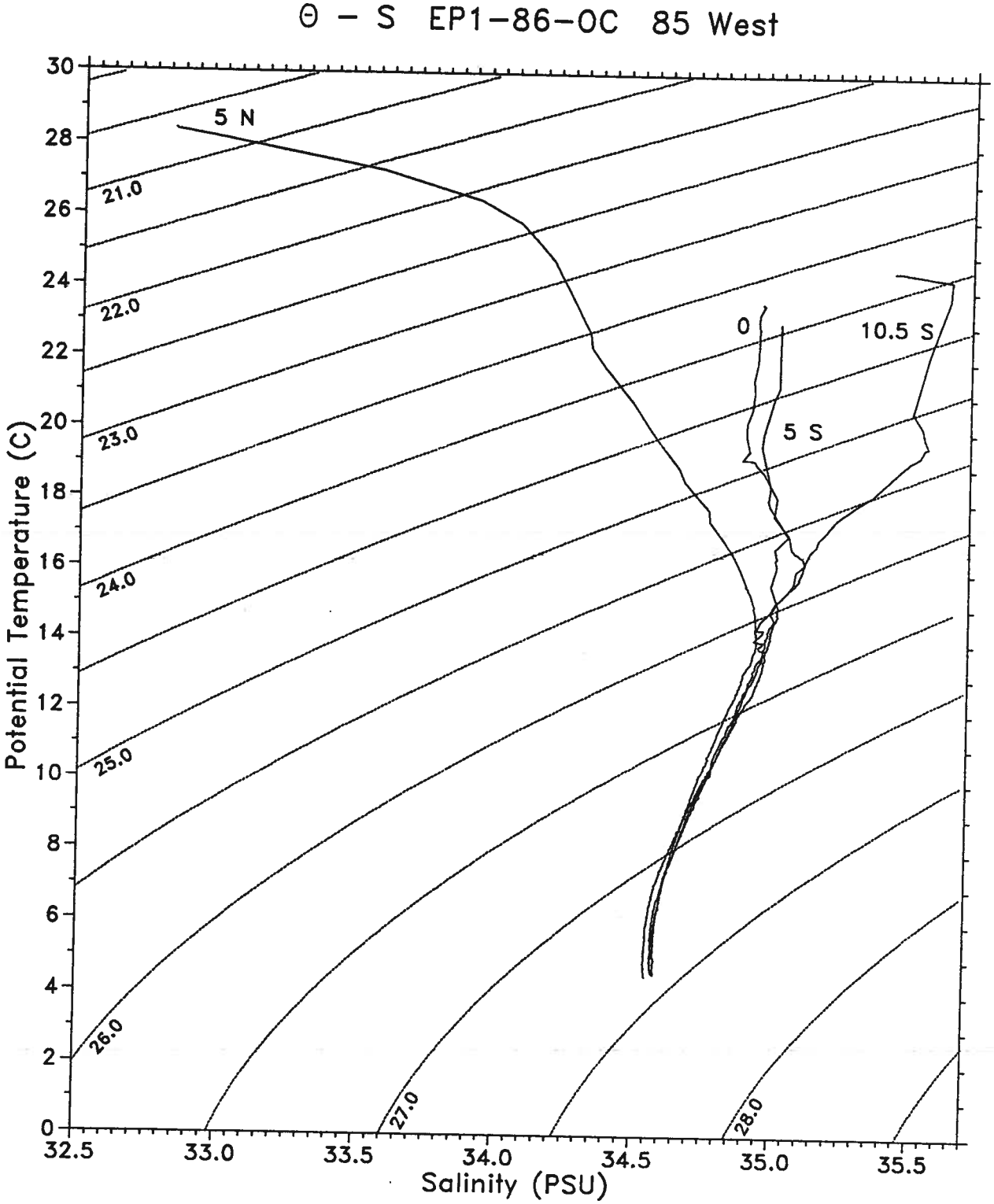


EP1-86-OC 10.5 South




Θ – S EP1–86–OC 110 West
Potential Temperature (C)
Salinity (PSU)
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
10 N
5 N
5 S
0
10 S
15 S
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
33.5
34.0
34.5
35.0
35.5
36.0
36.5


Θ – S EP1–86–OC 15 South
Potential Temperature (C)
Salinity (PSU)
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
83 W
90 W
100 W
110 W
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
33.5
34.0
34.5
35.0
35.5
36.0
36.5


Θ - S EP1-86-OC 85 West
Potential Temperature (C)
Salinity (PSU)
5 N
0
5 S
10.5 S
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
32.5
33.0
33.5
34.0
34.5
35.0
35.5

EP1-86-OC

DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

CTD #	3	4	6	7	8	9	10	11	12	13
15				12 **4.01**	13 **5.05**	12 **5.02**	12 **4.71**		13 **3.09**	
30				31 **2.82**	30 **5.07**	30 **3.87**	31 **4.32**		33 **3.25**	
45				46 **2.04**	45 **3.64**	45 **2.57**	46 **2.41**		47 **3.17**	
60				60 **1.85**	60 **2.28**	61 **1.85**	60 **2.09**		62 **2.68**	
75				75 **1.64**	75 **1.93**	75 **1.67**	76 **1.99**			
100				97 **1.67**	98 **1.64**	99 **1.40**	100 **1.66**		100 **4.60**	
200				197 **1.11**	199 **0.97**	201 **0.90**			197 **3.46**	
500	497 **0.24**	498 **0.21**	498 **0.61**	496 **1.08**	500 **0.97**	499 **0.89**	502 **0.84**	586 **1.10**	500 **2.52**	497 **0.86**
750		748 **1.22**	751 **1.17**	746 **1.07**			748 **1.70**	749 **1.64**		775 **1.68**
1000	1012 **1.07**	998 **1.24**	1012 **1.48**	1029 **1.67**	1007 **1.75**	1027 **1.91**	1007 **1.89**	982 **1.90**	1007 **1.92**	1007 **1.88**
1500		1489 **1.81**								
2000		1999 **2.35**							2009 **1.52**	
2500		2503 **2.87**								
3000		2997 **2.84**								
3500		3480 **3.60**								
		3805 **3.51**								

CTD #	14	15	16	17	18	19	20	21	22	23
15	13 **5.00**		13 **4.90**	13 **5.08**		13 **3.52**			15 **4.77**	13 **5.25**
30	30 **5.22**		30 **4.90**	30 **3.51**		30 **2.31**		30 **4.73**	31 **5.01**	31 **5.40**
45	45 **4.25**		45 **3.33**	46 **1.76**		46 **1.40**		45 **5.27**	45 **5.12**	45 **5.11**
60	60 **3.73**		61 **1.81**	61 **1.26**		62 **0.92**		60 **4.50**	60 **5.23**	61 **5.22**
75	75 **1.91**		74 **1.53**	77 **1.21**		75 **0.95**		75 **4.24**	76 **5.57**	76 **5.01**
100	99 **1.36**		97 **1.26**	98 **1.22**		97 **0.97**		99 **2.26**	97 **3.64**	98 **4.71**
200	199 **1.69**			201 **0.99**		199 **0.51**		198 **0.87**	197 **0.90**	201 **0.46**
500	499 **1.68**	501 **1.21**	501 **1.12**	499 **0.82**	504 **0.68**	500 **0.54**	500 **0.50**	499 **0.54**	498 **0.56**	500 **0.69**
750	754 **0.87**	750 **1.88**		748 **1.52**	754 **1.64**		754 **1.55**	751 **1.63**		752 **1.15**
1000	1012 **0.87**	1008 **2.18**	1014 **1.97**	1010 **1.97**	1007 **2.12**	1005 **2.10**	1003 **1.98**		999 **2.21**	998 **1.99**
1500										
2000			2022 **2.48**			1994 **2.60**			2010 **3.00**	

EP1-86-OC

DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

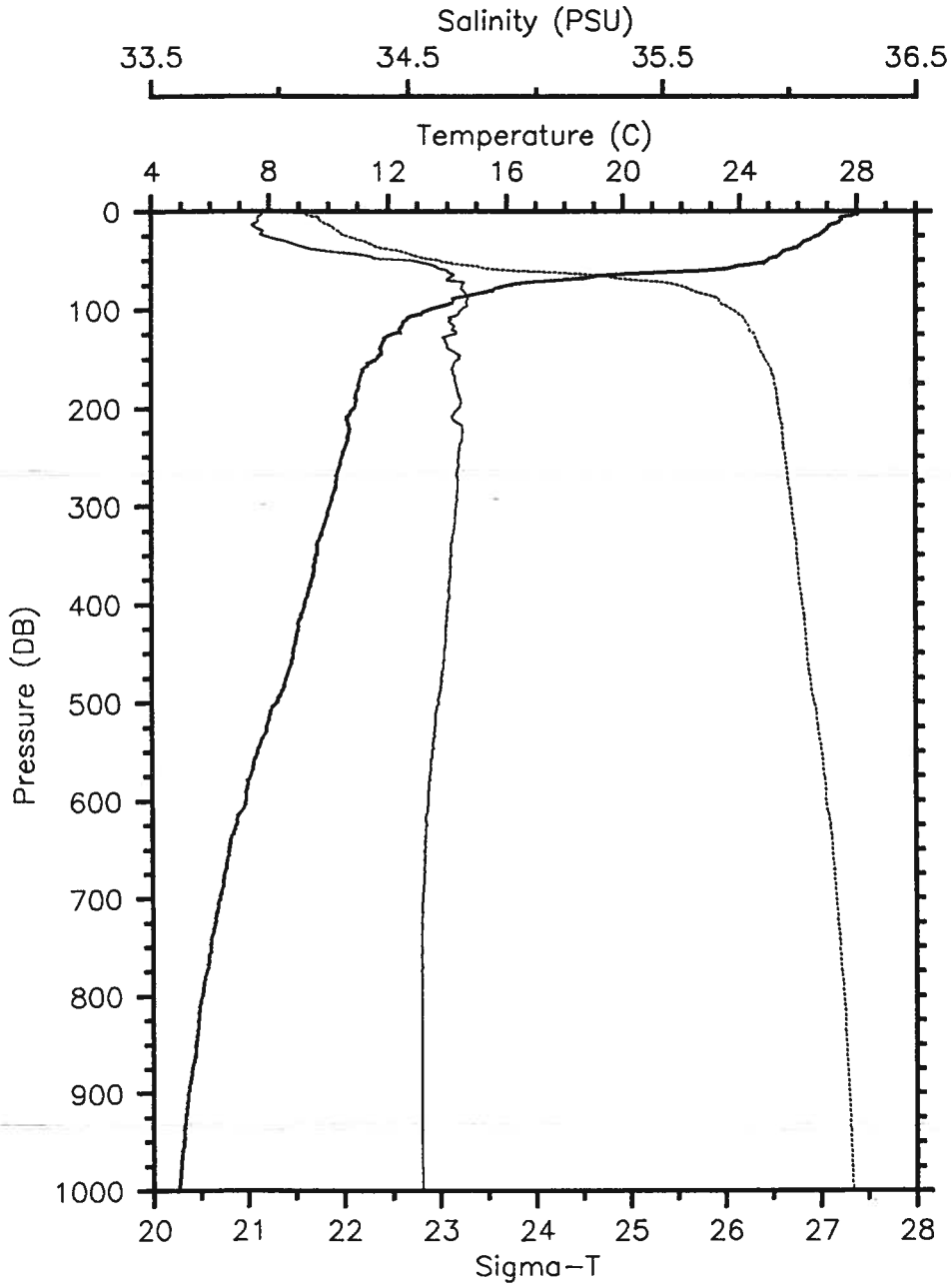
CTD #	24	26	27	28	29	30	31	33	34	35
15										
30		31 **4.86**		13 **4.83**		13 **5.01**			14 **5.04**	
45		45 **4.96**		32 **4.82**		31 **5.01**			29 **5.05**	31 **5.00**
60		60 **4.82**		46 **4.72**		46 **5.06**			44 **5.05**	46 **5.08**
75		74 **4.97**		60 **4.86**		60 **4.96**			62 **5.26**	60 **5.26**
100				82 **5.03**		79 **4.86**			76 **5.02**	75 **5.34**
200		197 **4.21**		98 **4.68**		100 **4.85**			100 **4.86**	
500	503 **1.75**	498 **1.51**	499 **1.42**		502 **1.03**	199 **4.48**	499 **0.70**	503 **0.91**	200 **4.67**	
750		747 **1.49**	748 **1.77**		755 **1.19**	505 **1.11**	750 **1.20**	756 **1.16**	505 **1.24**	495 **1.23**
1000	1005 **1.75**	1011 **1.59**	1013 **1.75**	1005 **1.68**	1004 **1.65**	754 **1.30**	1012 **1.54**	1009 **1.46**	752 **1.33**	748 **1.34**
1500	1500 **2.60**					1011 **1.45**			1009 **1.50**	1009 **1.72**
2000	2010 **2.90**			2019 **3.04**						

CTD #	36	37	38	39	40	41	42	43	44	45
15	14 **5.10**				13 **4.92**					
30	31 **5.00**		30 **4.95**		30 **5.03**		30 **5.09**		14 **4.97**	
45	46 **5.08**		45 **4.97**		45 **5.06**		45 **5.03**		31 **4.92**	
60	60 **5.26**		60 **5.29**		60 **5.10**		60 **5.04**		46 **5.03**	
75	75 **5.34**		77 **5.33**		75 **5.20**		75 **5.34**		60 **5.18**	
100	100 **4.88**				99 **4.93**				77 **5.31**	
200	200 **2.65**		197 **3.75**		197 **4.00**				99 **4.84**	
500	498 **0.93**	500 **0.55**	498 **0.84**	504 **0.83**	501 **0.79**	498 **1.12**	499 **0.62**	494 **1.49**	201 **3.11**	
750	752 **1.00**	749 **0.99**		746 **1.09**	762 **1.29**	747 **0.96**	747 **1.11**	748 **1.12**	511 **1.01**	502 **0.79**
1000	1011 **1.48**	1003 **1.48**	1003 **1.46**	995 **1.45**	1002 **1.41**	1011 **1.46**	1023 **1.59**	1011 **1.66**	749 **1.09**	745 **1.24**
1500									1014 **1.57**	1006 **1.52**
2000			2012 **2.96**							

EPOCS EP1-86-OC CTD 3 OCEANOGRAPHER

Date 04 20 86 Latitude 6.010 N

Time 0402 Z Longitude 110.005 W

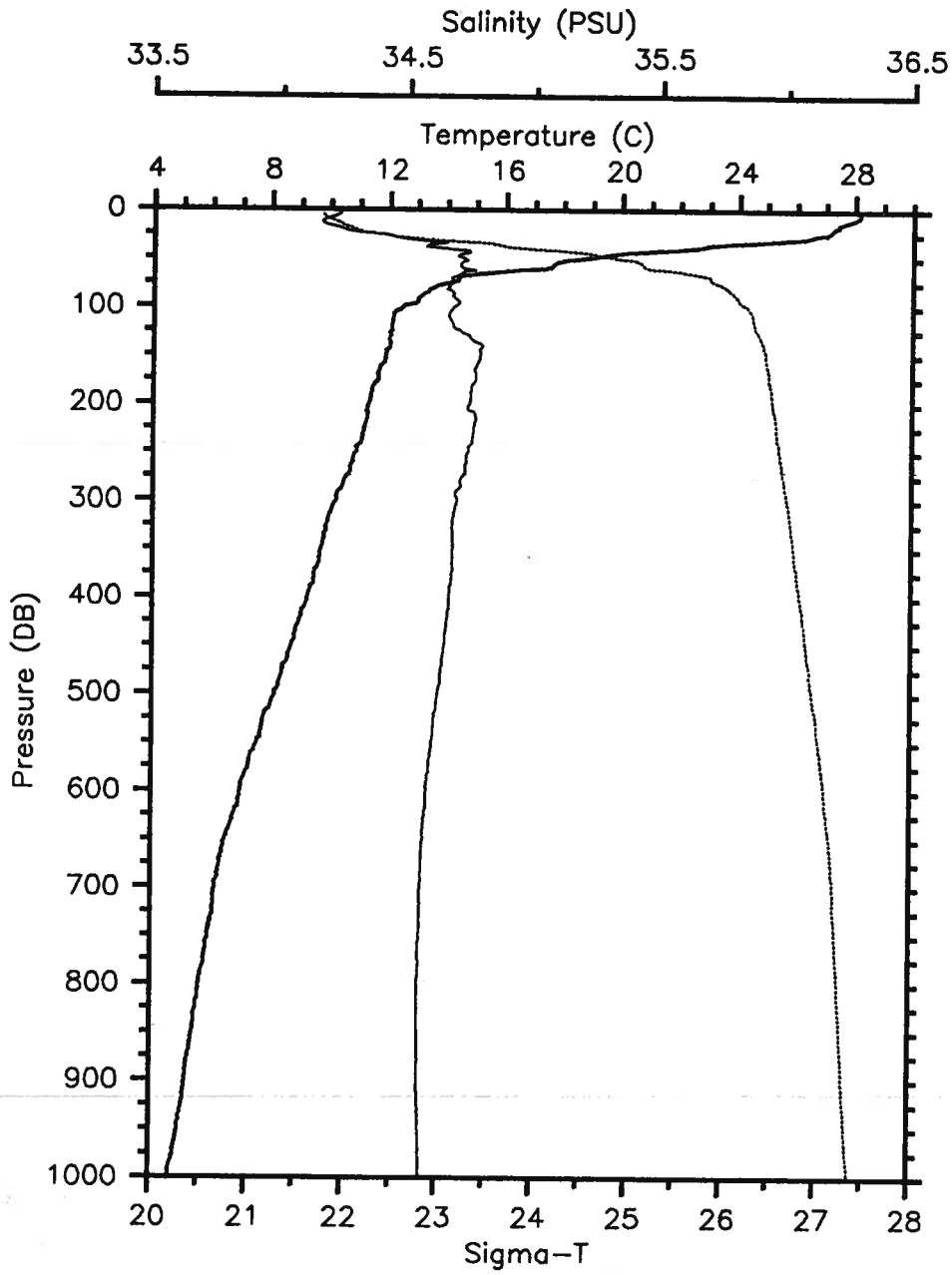


Prs	Tem	Sal	SigT
0	27.91	33.934	21.63
10	27.44	33.921	21.77
20	26.91	33.937	21.95
30	26.24	34.025	22.22
40	25.53	34.173	22.55
50	24.98	34.511	22.98
60	22.85	34.656	23.72
70	17.86	34.651	25.04
80	15.56	34.713	25.63
90	14.21	34.731	25.94
100	13.39	34.707	26.09
110	12.63	34.669	26.21
120	12.39	34.673	26.26
130	11.89	34.646	26.34
140	11.76	34.660	26.37
150	11.63	34.702	26.43
160	11.20	34.673	26.49
170	11.08	34.685	26.52
180	11.00	34.694	26.54
190	10.95	34.706	26.56
200	10.86	34.699	26.57
210	10.65	34.676	26.59
220	10.69	34.714	26.61
230	10.66	34.713	26.61
240	10.56	34.704	26.62
250	10.46	34.700	26.64
260	10.37	34.697	26.65
270	10.28	34.693	26.66
280	10.25	34.695	26.67
290	10.14	34.691	26.69
300	10.03	34.689	26.70
350	9.58	34.671	26.77
400	9.20	34.656	26.82
450	8.81	34.642	26.87
500	8.27	34.621	26.94
550	7.59	34.596	27.02
600	7.19	34.581	27.06
650	6.61	34.566	27.13
700	6.29	34.557	27.16
750	5.97	34.552	27.20
800	5.66	34.554	27.24
850	5.45	34.554	27.27
900	5.18	34.553	27.30
950	5.03	34.553	27.32
1000	4.85	34.555	27.34

EPOCS EP1-86-OC CTD 4 OCEANOGRAPHER

Date 04 20 86 Latitude 5.017 N

Time 0949 Z Longitude 110.017 W

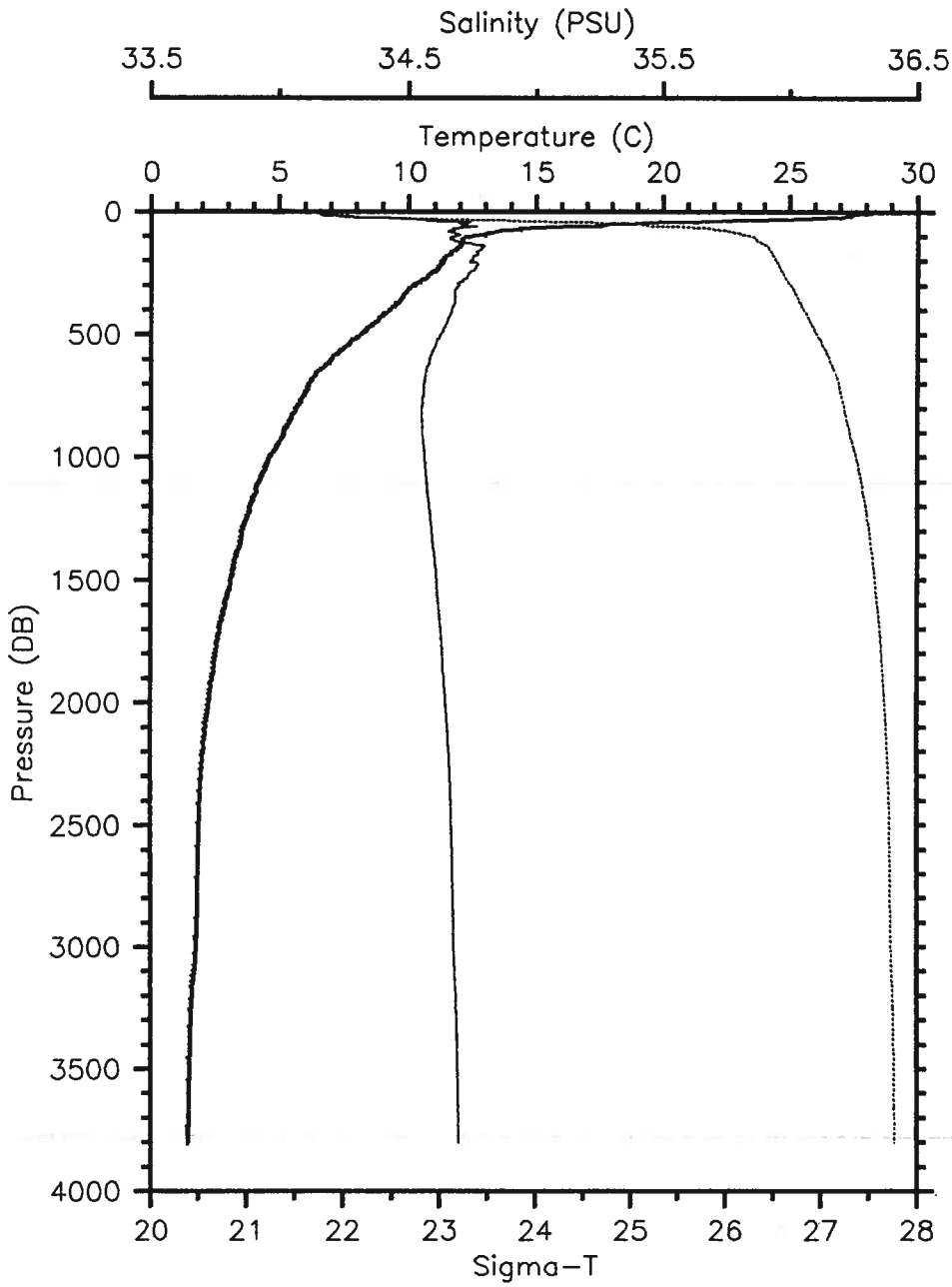


Prs	Tem	Sal	SigT
0	28.19	34.231	21.76
10	27.87	34.169	21.82
20	27.22	34.235	22.07
30	25.55	34.494	22.79
40	22.06	34.641	23.93
50	18.70	34.721	24.88
60	17.33	34.712	25.21
70	14.40	34.669	25.85
80	13.56	34.661	26.02
90	13.04	34.680	26.14
100	12.49	34.681	26.25
110	12.12	34.660	26.30
120	12.09	34.678	26.32
130	12.03	34.744	26.38
140	12.02	34.793	26.42
150	11.88	34.785	26.45
160	11.74	34.771	26.46
170	11.63	34.769	26.48
180	11.50	34.754	26.49
190	11.39	34.748	26.51
200	11.31	34.743	26.52
210	11.28	34.766	26.54
220	11.21	34.765	26.56
230	11.13	34.759	26.57
240	11.05	34.754	26.58
250	10.88	34.739	26.60
260	10.77	34.733	26.61
270	10.69	34.728	26.62
280	10.48	34.709	26.64
290	10.31	34.692	26.66
300	10.21	34.697	26.68
350	9.72	34.681	26.75
400	9.26	34.667	26.82
450	8.73	34.650	26.89
500	8.16	34.623	26.95
550	7.57	34.602	27.02
600	7.00	34.581	27.09
650	6.49	34.567	27.15
700	6.16	34.560	27.18
750	5.95	34.556	27.21
800	5.65	34.551	27.24
850	5.43	34.552	27.27
900	5.19	34.553	27.30
950	4.96	34.559	27.33
1000	4.65	34.563	27.37

EPOCS EP1-86-OC CTD 4 OCEANOGRAPHER

Date 04 20 86 Latitude 5.017 N

Time 0949 Z Longitude 110.017 W

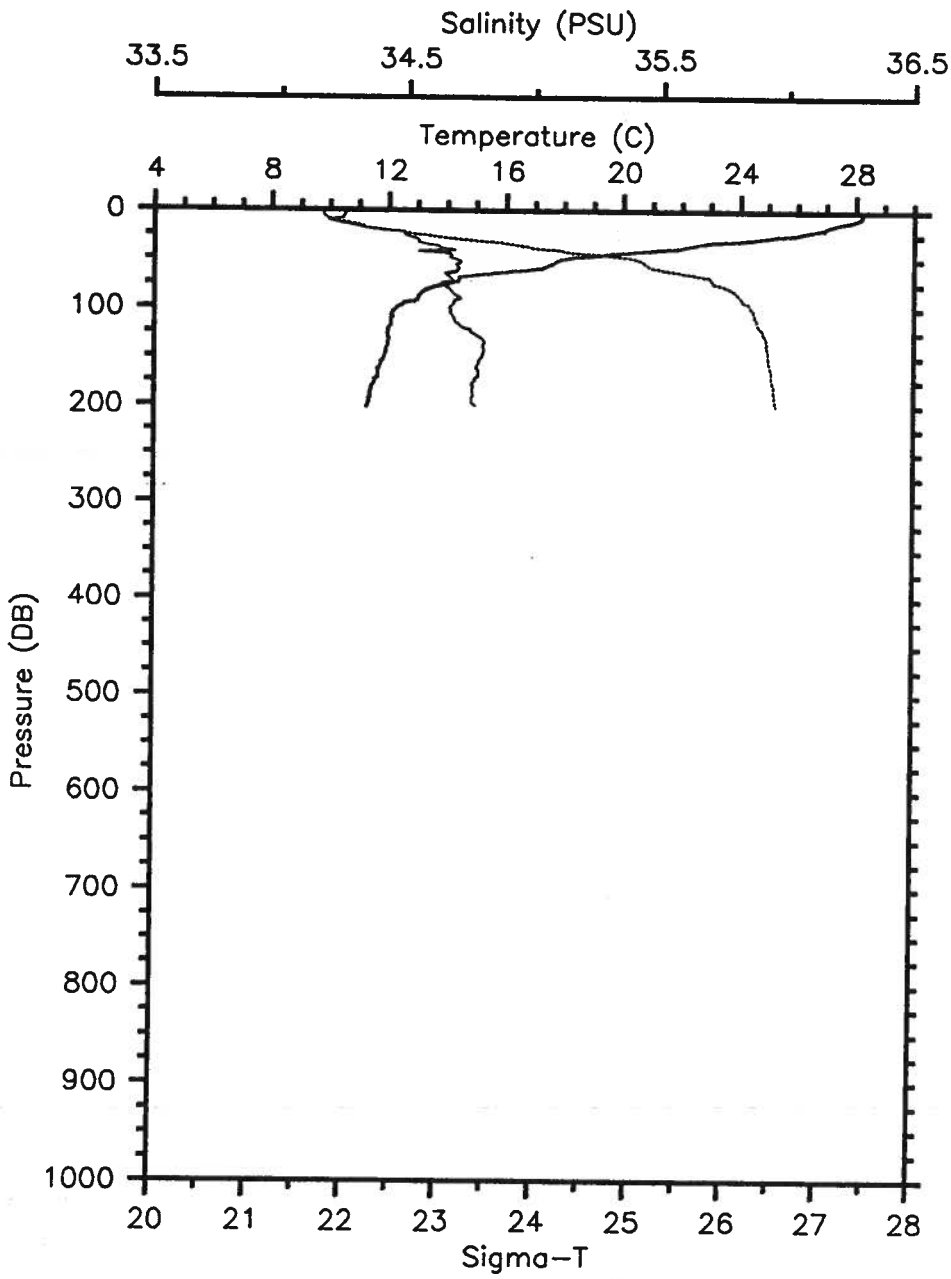


Prs	Tem	Sal	SigT
0	28.19	34.231	21.76
20	27.22	34.235	22.07
40	22.06	34.641	23.93
60	17.33	34.712	25.21
80	13.56	34.661	26.02
100	12.49	34.681	26.25
120	12.09	34.678	26.32
140	12.02	34.793	26.42
160	11.74	34.771	26.46
180	11.50	34.754	26.49
200	11.31	34.743	26.52
220	11.21	34.765	26.56
240	11.05	34.754	26.58
260	10.77	34.733	26.61
280	10.48	34.709	26.64
300	10.21	34.697	26.68
320	9.94	34.681	26.71
340	9.79	34.680	26.74
360	9.67	34.681	26.76
380	9.48	34.678	26.79
400	9.26	34.667	26.82
450	8.73	34.650	26.89
500	8.16	34.623	26.95
550	7.57	34.602	27.02
600	7.00	34.581	27.09
650	6.49	34.567	27.15
700	6.16	34.560	27.18
750	5.95	34.556	27.21
800	5.65	34.551	27.24
850	5.43	34.552	27.27
900	5.19	34.553	27.30
950	4.96	34.559	27.33
1000	4.65	34.563	27.37
1500	3.12	34.611	27.56
2000	2.26	34.648	27.67
2500	1.88	34.671	27.72
3000	1.76	34.681	27.73
3500	1.51	34.696	27.77

EPOCS EP1-86-OC CTD 5 OCEANOGRAPHER

Date 04 20 86 Latitude 5.017 N

Time 1415 Z Longitude 110.030 W

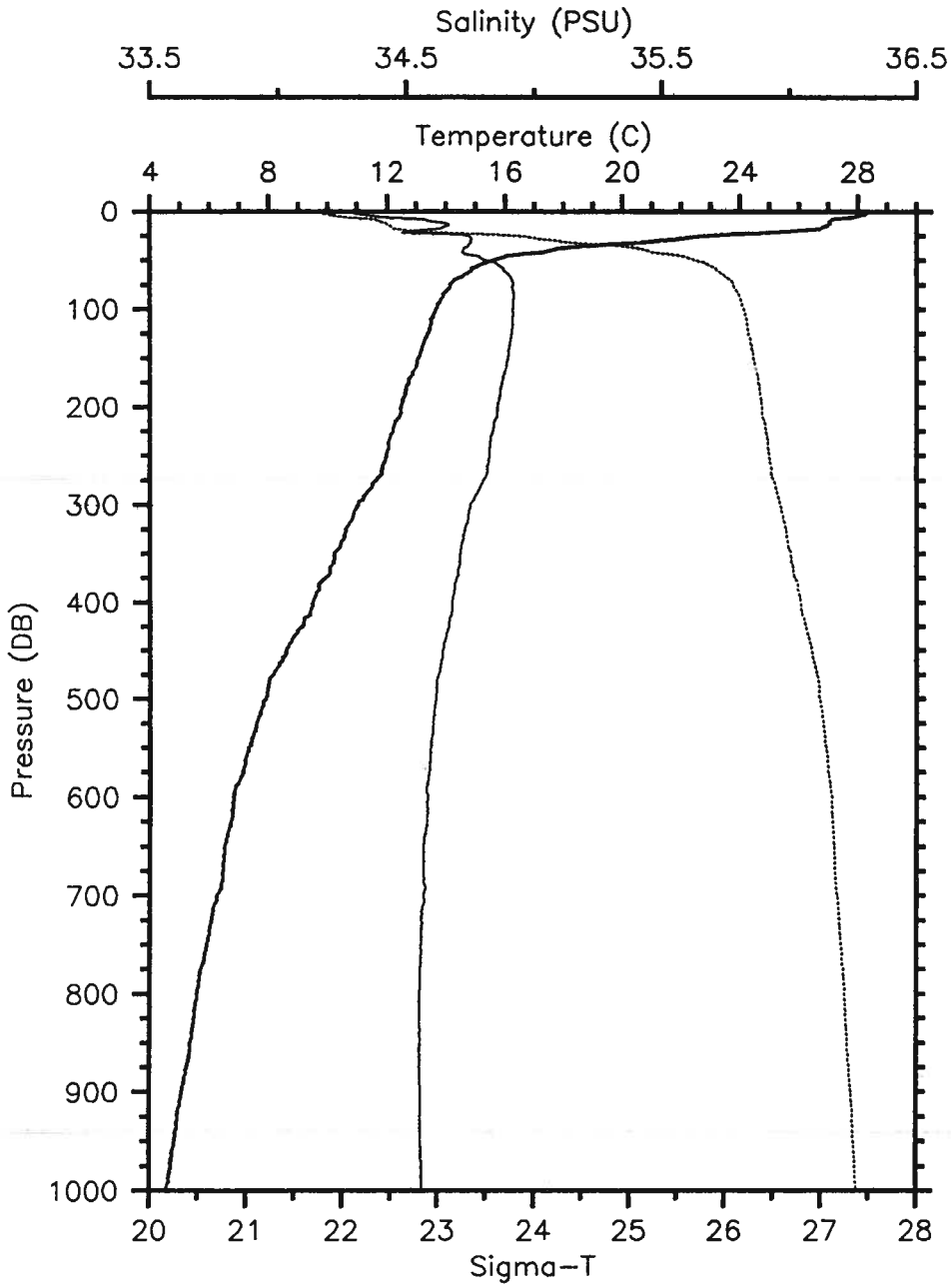


Prs	Tem	Sal	SigT
0	28.23	34.251	21.76
10	27.82	34.182	21.84
20	26.52	34.370	22.40
30	23.92	34.539	23.32
40	21.03	34.683	24.25
50	17.86	34.690	25.07
60	16.84	34.696	25.32
70	14.41	34.674	25.85
80	13.38	34.662	26.06
90	13.00	34.709	26.17
100	12.26	34.663	26.28
110	12.09	34.679	26.32
120	11.99	34.717	26.37
130	11.99	34.783	26.42
140	11.95	34.795	26.44
150	11.85	34.790	26.45
160	11.69	34.770	26.47
170	11.62	34.776	26.49
180	11.42	34.757	26.51
190	11.35	34.755	26.52
200	11.28	34.766	26.54

EPOCS EP1-86-OC CTD 6 OCEANOGRAPHER

Date 04 20 86 Latitude 3.982 N

Time 2138 Z Longitude 110.063 W

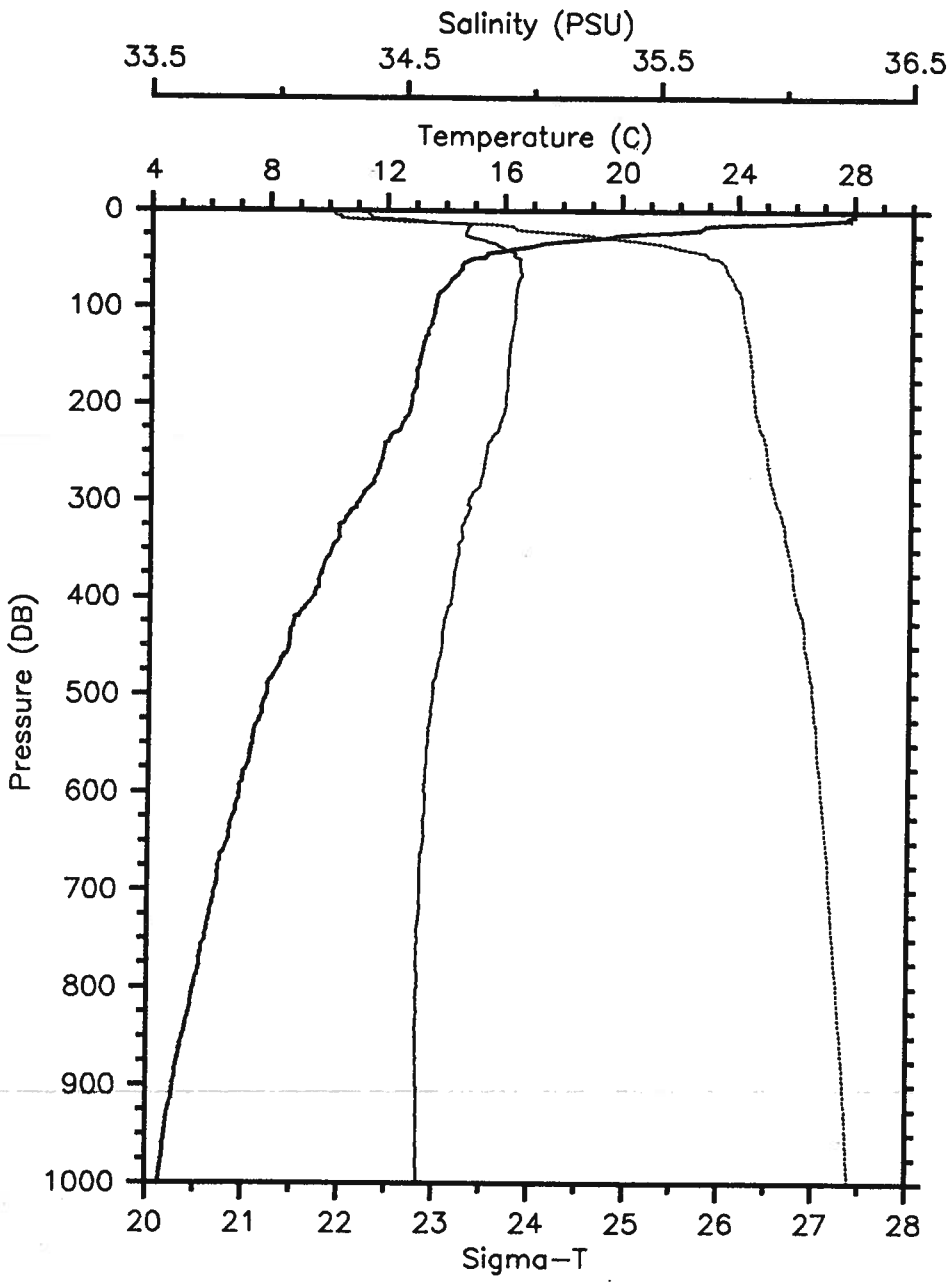


Prs	Tem	Sal	SigT
0	28.34	34.295	21.76
10	27.06	34.586	22.39
20	25.87	34.533	22.72
30	21.17	34.749	24.26
40	17.53	34.721	25.17
50	15.64	34.805	25.68
60	14.86	34.877	25.91
70	14.32	34.910	26.05
80	14.08	34.914	26.10
90	13.82	34.917	26.16
100	13.66	34.914	26.19
110	13.51	34.913	26.22
120	13.45	34.911	26.23
130	13.30	34.907	26.26
140	13.18	34.900	26.28
150	13.07	34.896	26.30
160	12.97	34.889	26.31
170	12.78	34.878	26.34
180	12.67	34.868	26.36
190	12.59	34.864	26.37
200	12.50	34.856	26.38
210	12.45	34.852	26.39
220	12.25	34.842	26.42
230	12.11	34.831	26.44
240	12.04	34.827	26.45
250	11.98	34.825	26.46
260	11.86	34.818	26.48
270	11.78	34.813	26.49
280	11.52	34.791	26.52
290	11.26	34.769	26.55
300	11.03	34.749	26.57
350	10.25	34.711	26.68
400	9.50	34.680	26.79
450	8.60	34.643	26.90
500	7.91	34.617	26.99
550	7.32	34.594	27.05
600	6.83	34.583	27.11
650	6.53	34.569	27.14
700	6.26	34.569	27.18
750	5.92	34.559	27.21
800	5.60	34.554	27.25
850	5.36	34.555	27.28
900	5.08	34.557	27.31
950	4.84	34.559	27.34
1000	4.58	34.564	27.38

EPOCS EP1-86-OC CTD 7 OCEANOGRAPHER

Date 04 21 86 Latitude 3.002 N

Time 0304 Z Longitude 110.002 W

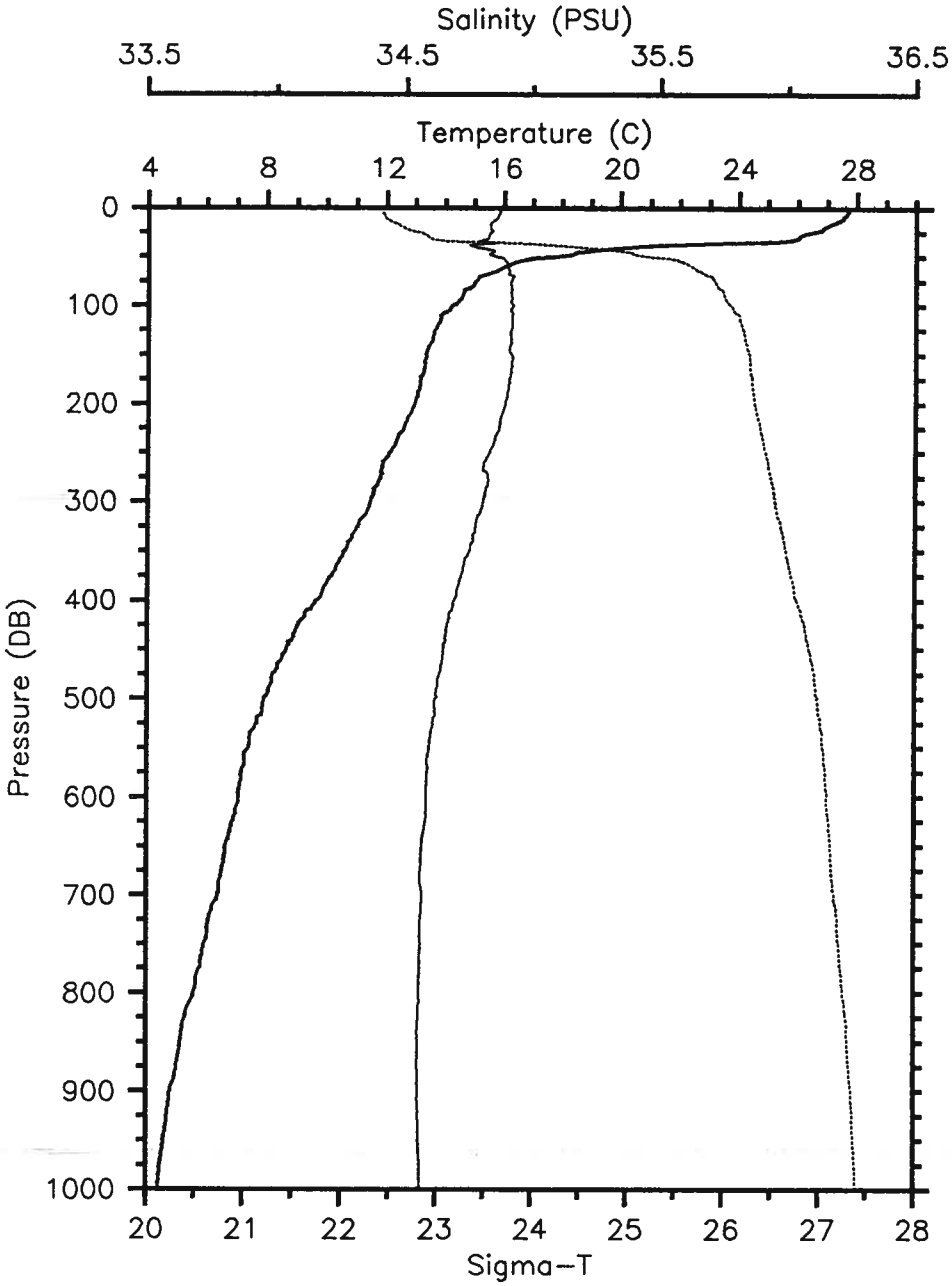


Prs	Tem	Sal	SigT
0	28.13	34.342	21.86
10	27.10	34.528	22.33
20	22.68	34.739	23.83
30	18.58	34.807	24.98
40	16.28	34.887	25.60
50	14.92	34.948	25.95
60	14.55	34.948	26.03
70	14.24	34.944	26.09
80	13.98	34.935	26.14
90	13.71	34.931	26.19
100	13.65	34.930	26.21
110	13.60	34.929	26.22
120	13.47	34.922	26.24
130	13.34	34.916	26.26
140	13.23	34.910	26.28
150	13.16	34.906	26.29
160	13.11	34.905	26.30
170	13.04	34.902	26.31
180	13.01	34.900	26.31
190	12.88	34.895	26.34
200	12.86	34.895	26.34
210	12.77	34.886	26.35
220	12.55	34.871	26.38
230	12.27	34.855	26.42
240	11.98	34.826	26.46
250	11.91	34.819	26.47
260	11.81	34.811	26.48
270	11.72	34.807	26.49
280	11.58	34.796	26.51
290	11.27	34.769	26.55
300	11.10	34.750	26.56
350	10.15	34.713	26.70
400	9.49	34.684	26.79
450	8.72	34.649	26.89
500	7.98	34.615	26.97
550	7.51	34.595	27.03
600	7.07	34.585	27.08
650	6.70	34.581	27.13
700	6.28	34.569	27.18
750	5.97	34.564	27.21
800	5.56	34.561	27.26
850	5.22	34.556	27.30
900	4.91	34.561	27.34
950	4.64	34.563	27.37
1000	4.43	34.567	27.40

EPOCS EP1-86-OC CTD 8 OCEANOGRAPHER

Date 04 21 86 Latitude 2.040 N

Time 2231 Z Longitude 109.998 W

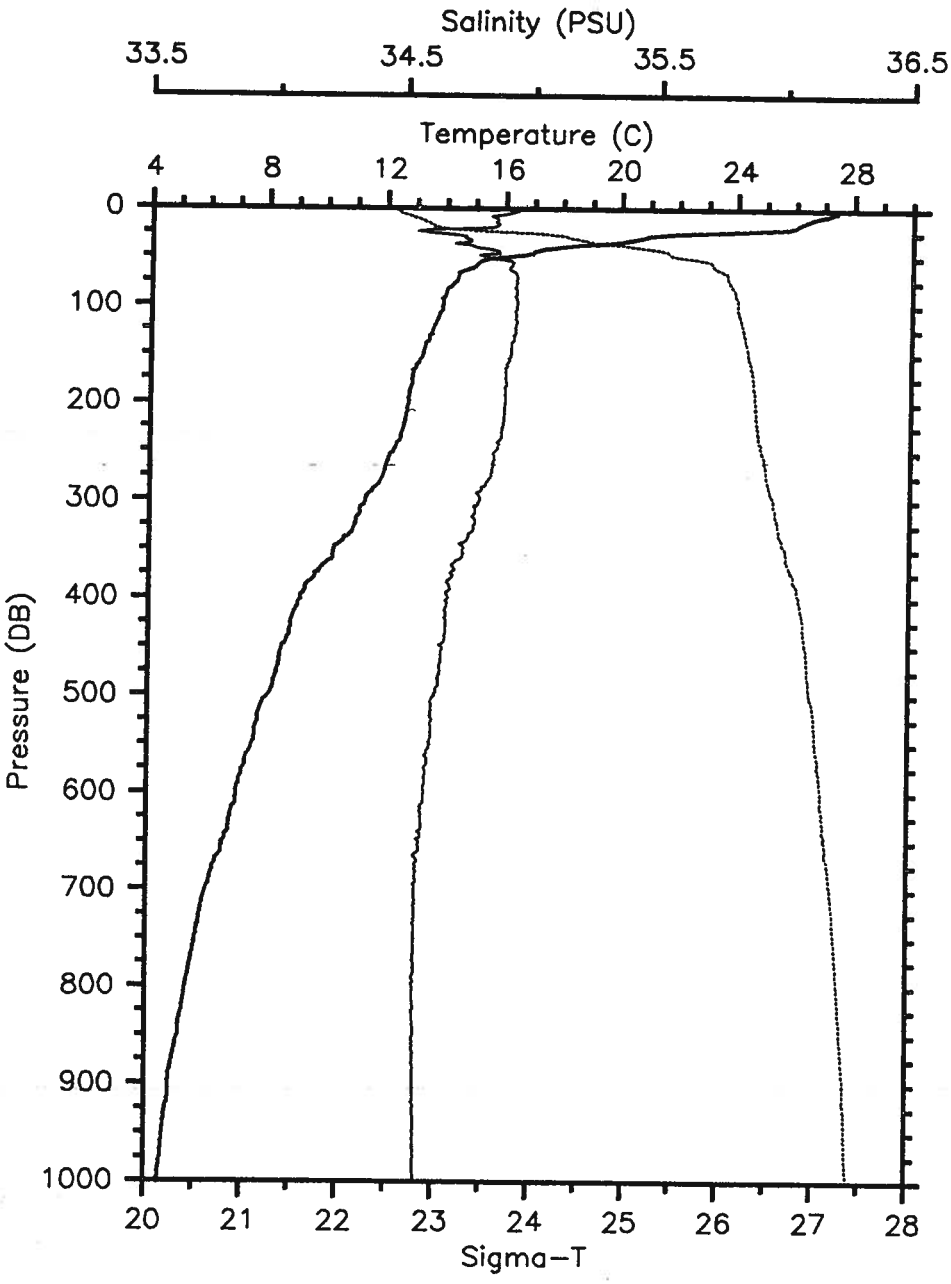


Prs	Tem	Sal	SigT
0	27.65	34.869	22.41
10	27.52	34.859	22.45
20	26.89	34.831	22.63
30	26.02	34.823	22.90
40	20.48	34.770	24.46
50	17.88	34.849	25.19
60	16.04	34.896	25.66
70	15.17	34.924	25.88
80	14.95	34.913	25.92
90	14.58	34.913	26.00
100	14.25	34.921	26.07
110	13.86	34.916	26.15
120	13.73	34.915	26.18
130	13.59	34.912	26.21
140	13.45	34.912	26.23
150	13.34	34.916	26.26
160	13.30	34.916	26.27
170	13.23	34.911	26.28
180	13.14	34.904	26.29
190	13.06	34.898	26.30
200	12.95	34.890	26.32
210	12.79	34.878	26.34
220	12.62	34.870	26.37
230	12.44	34.859	26.39
240	12.32	34.845	26.41
250	12.11	34.829	26.44
260	11.90	34.808	26.46
270	11.85	34.816	26.48
280	11.74	34.823	26.50
290	11.59	34.813	26.52
300	11.48	34.805	26.54
350	10.60	34.753	26.65
400	9.67	34.692	26.77
450	8.69	34.651	26.90
500	7.95	34.618	26.98
550	7.41	34.596	27.04
600	7.09	34.585	27.08
650	6.66	34.568	27.13
700	6.41	34.571	27.16
750	5.96	34.565	27.21
800	5.60	34.560	27.25
850	5.15	34.555	27.30
900	4.80	34.556	27.35
950	4.59	34.559	27.37
1000	4.40	34.564	27.40

EPOCS EP1-86-OC CTD 9 OCEANOGRAPHER

Date 04 22 86 Latitude 1.508 N

Time 0050 Z Longitude 109.997 W

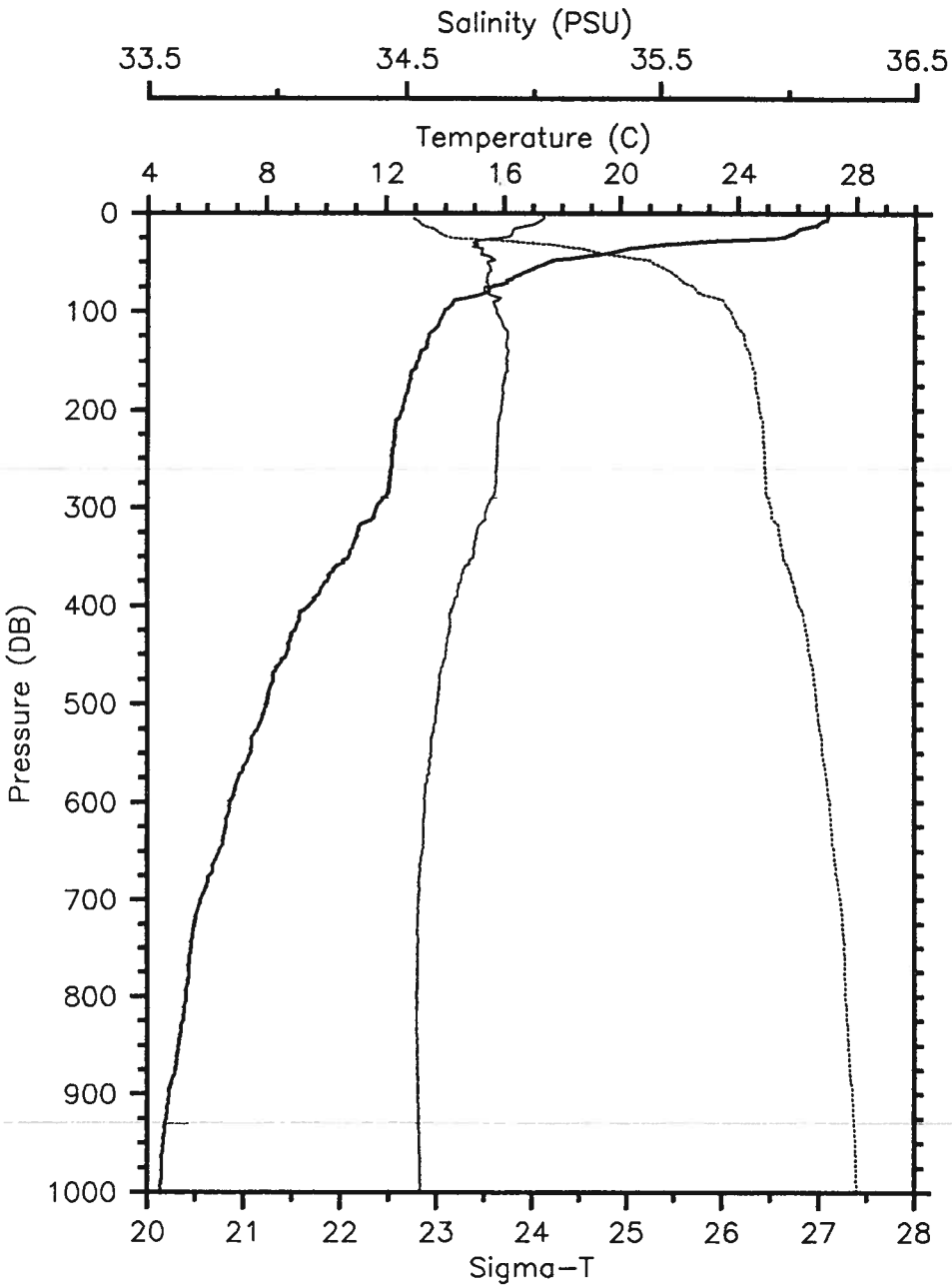


Prs	Tem	Sal	SigT
0	27.41	34.941	22.54
10	26.51	34.849	22.76
20	25.71	34.825	22.99
30	20.65	34.722	24.38
40	17.83	34.769	25.14
50	16.10	34.819	25.59
60	14.94	34.903	25.91
70	14.41	34.931	26.05
80	14.18	34.930	26.10
90	13.97	34.926	26.14
100	13.89	34.932	26.16
110	13.77	34.932	26.18
120	13.62	34.928	26.21
130	13.48	34.921	26.24
140	13.32	34.914	26.26
150	13.23	34.912	26.28
160	13.03	34.897	26.31
170	12.91	34.894	26.33
180	12.88	34.895	26.34
190	12.79	34.892	26.35
200	12.77	34.891	26.36
210	12.71	34.888	26.36
220	12.65	34.884	26.37
230	12.55	34.877	26.39
240	12.42	34.860	26.40
250	12.26	34.850	26.42
260	12.08	34.845	26.45
270	11.98	34.843	26.47
280	11.82	34.824	26.49
290	11.57	34.798	26.51
300	11.34	34.793	26.55
350	10.29	34.727	26.69
400	9.18	34.673	26.83
450	8.56	34.651	26.91
500	8.11	34.626	26.96
550	7.58	34.608	27.03
600	7.05	34.585	27.09
650	6.59	34.568	27.13
700	6.04	34.554	27.20
750	5.68	34.553	27.24
800	5.36	34.549	27.28
850	5.12	34.550	27.30
900	4.81	34.554	27.34
950	4.61	34.555	27.37
1000	4.45	34.559	27.39

EPOCS EP1-86-OC CTD 10 OCEANOGRAPHER

Date 04 22 86 Latitude 1.015 N

Time 0554 Z Longitude 110.028 W

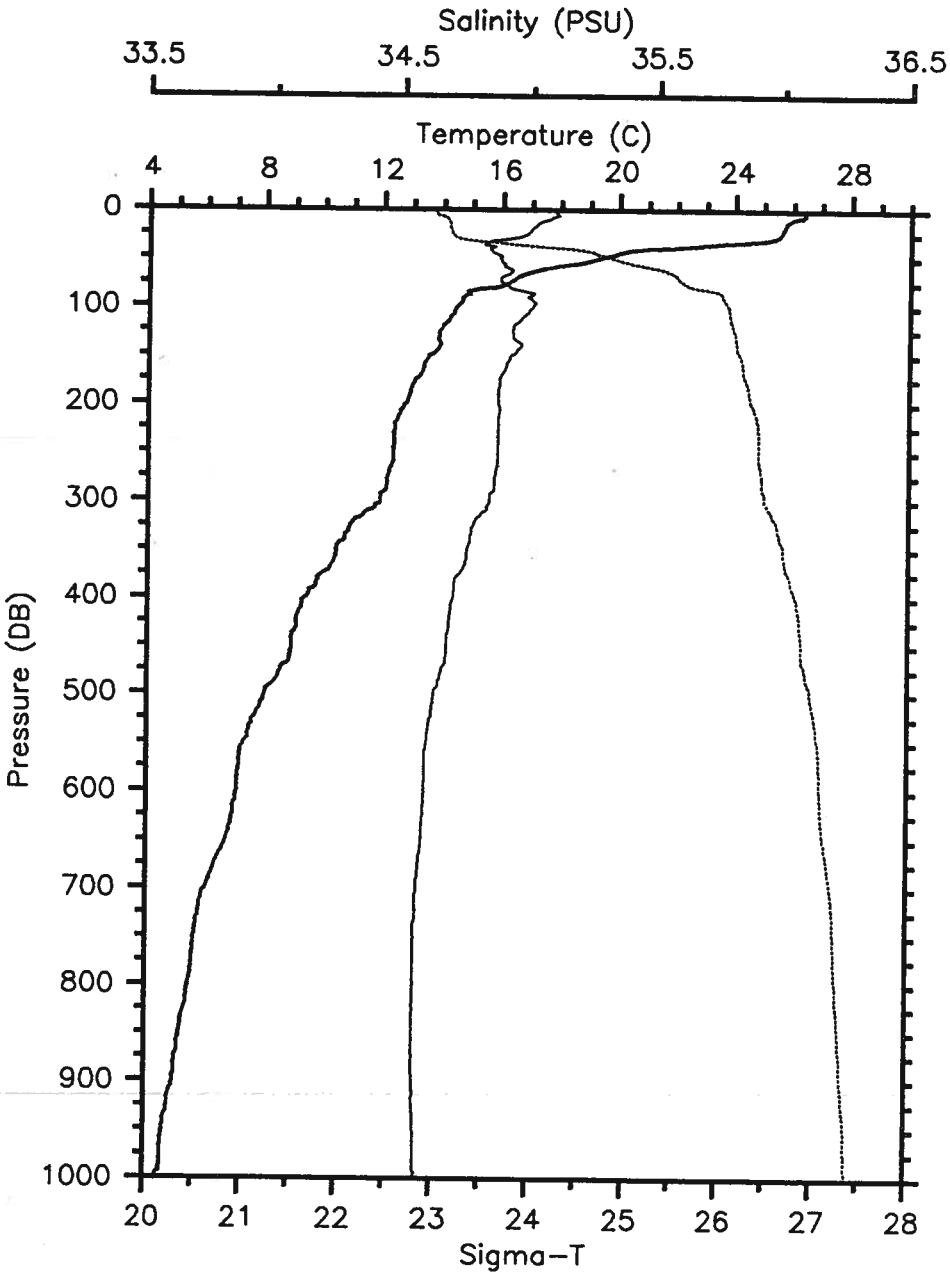


Prs	Tem	Sal	SigT
0	27.02	35.040	22.74
10	26.73	35.012	22.81
20	25.89	34.916	23.01
30	22.35	34.763	23.94
40	19.73	34.799	24.68
50	17.54	34.819	25.25
60	16.69	34.827	25.46
70	16.11	34.815	25.58
80	15.49	34.812	25.72
90	14.30	34.845	26.00
100	13.98	34.858	26.08
110	13.83	34.877	26.13
120	13.56	34.901	26.20
130	13.42	34.899	26.23
140	13.22	34.904	26.27
150	13.07	34.900	26.30
160	12.92	34.900	26.33
170	12.84	34.889	26.34
180	12.77	34.884	26.35
190	12.66	34.881	26.37
200	12.57	34.877	26.38
210	12.38	34.869	26.41
220	12.32	34.866	26.42
230	12.30	34.864	26.43
240	12.26	34.863	26.43
250	12.22	34.861	26.44
260	12.20	34.860	26.44
270	12.16	34.858	26.45
280	12.13	34.855	26.45
290	11.95	34.842	26.48
300	11.72	34.821	26.50
350	10.79	34.768	26.63
400	9.48	34.691	26.80
450	8.69	34.660	26.90
500	8.02	34.627	26.98
550	7.49	34.602	27.04
600	6.80	34.578	27.11
650	6.43	34.569	27.16
700	5.80	34.555	27.23
750	5.47	34.551	27.26
800	5.32	34.549	27.28
850	5.06	34.550	27.31
900	4.73	34.553	27.35
950	4.53	34.558	27.38
1000	4.43	34.561	27.39

EPOCS EP1-86-OC CTD 11 OCEANOGRAPHER

Date 04 22 86 Latitude 0.500 N

Time 1048 Z Longitude 109.997 W

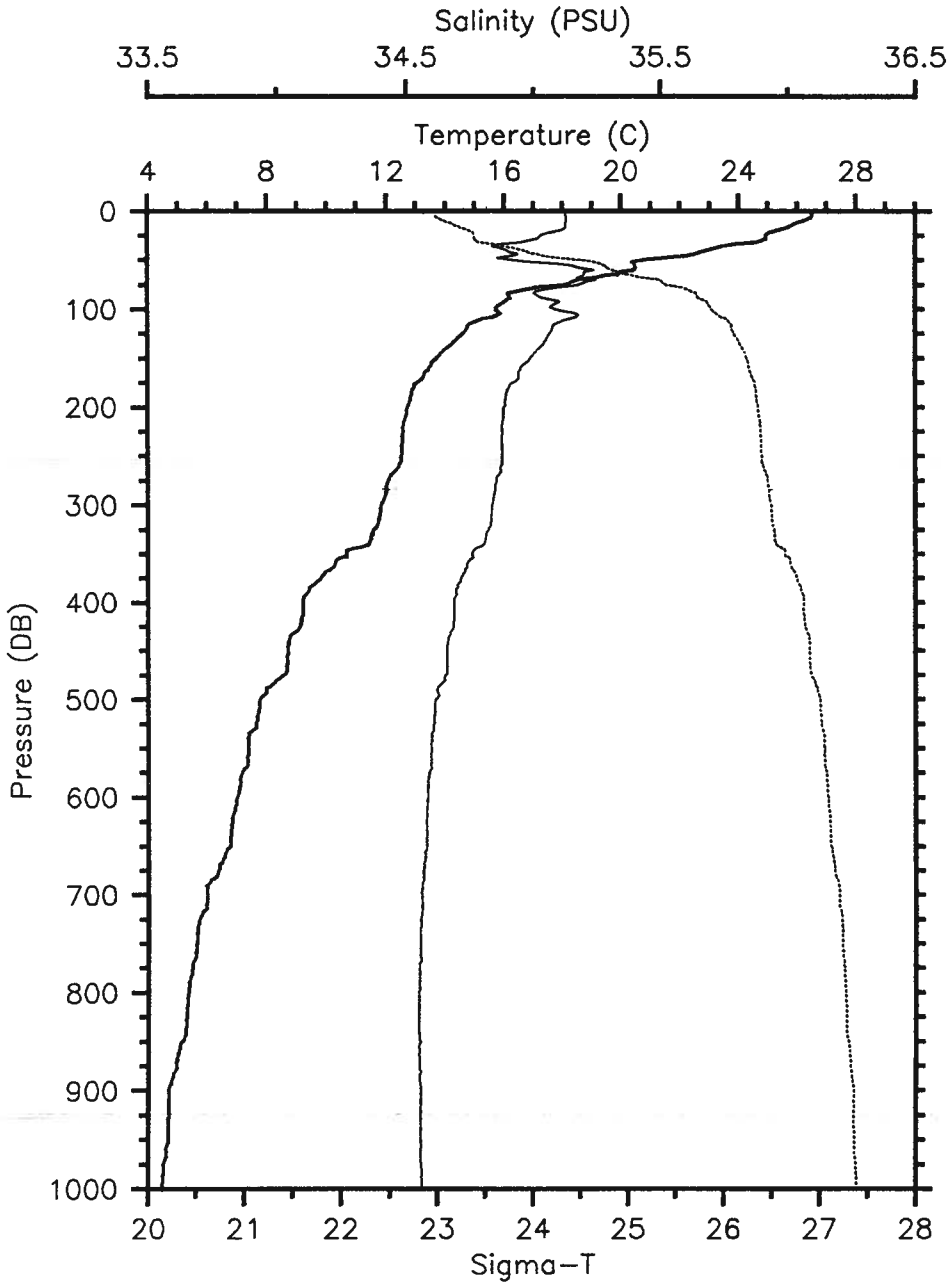


Prs	Tem	Sal	SigT
0	26.38	35.092	22.99
10	25.89	35.068	23.12
20	25.63	34.998	23.15
30	25.06	34.907	23.25
40	20.84	34.835	24.41
50	19.32	34.872	24.84
60	17.48	34.909	25.33
70	16.50	34.878	25.54
80	15.84	34.912	25.72
90	14.70	34.986	26.03
100	14.47	35.004	26.09
110	14.27	34.970	26.11
120	14.01	34.928	26.13
130	13.86	34.929	26.16
140	13.90	34.961	26.18
150	13.57	34.920	26.22
160	13.38	34.903	26.24
170	13.25	34.884	26.25
180	13.00	34.878	26.30
190	12.91	34.871	26.31
200	12.74	34.874	26.35
210	12.56	34.875	26.38
220	12.41	34.872	26.41
230	12.39	34.872	26.42
240	12.38	34.872	26.42
250	12.36	34.870	26.42
260	12.34	34.870	26.42
270	12.22	34.863	26.44
280	12.15	34.858	26.45
290	12.04	34.852	26.47
300	11.91	34.839	26.48
350	10.44	34.753	26.68
400	9.37	34.697	26.82
450	8.92	34.674	26.88
500	8.02	34.626	26.98
550	7.31	34.598	27.06
600	7.07	34.590	27.09
650	6.73	34.579	27.12
700	6.03	34.561	27.20
750	5.65	34.555	27.24
800	5.46	34.553	27.27
850	5.17	34.551	27.30
900	4.95	34.552	27.33
950	4.62	34.559	27.37
1000	4.42	34.563	27.39

EPOCS EP1-86-OC CTD 12 OCEANOGRAPHER

Date 04 22 86 Latitude 0.015 N

Time 1456 Z Longitude 109.988 W

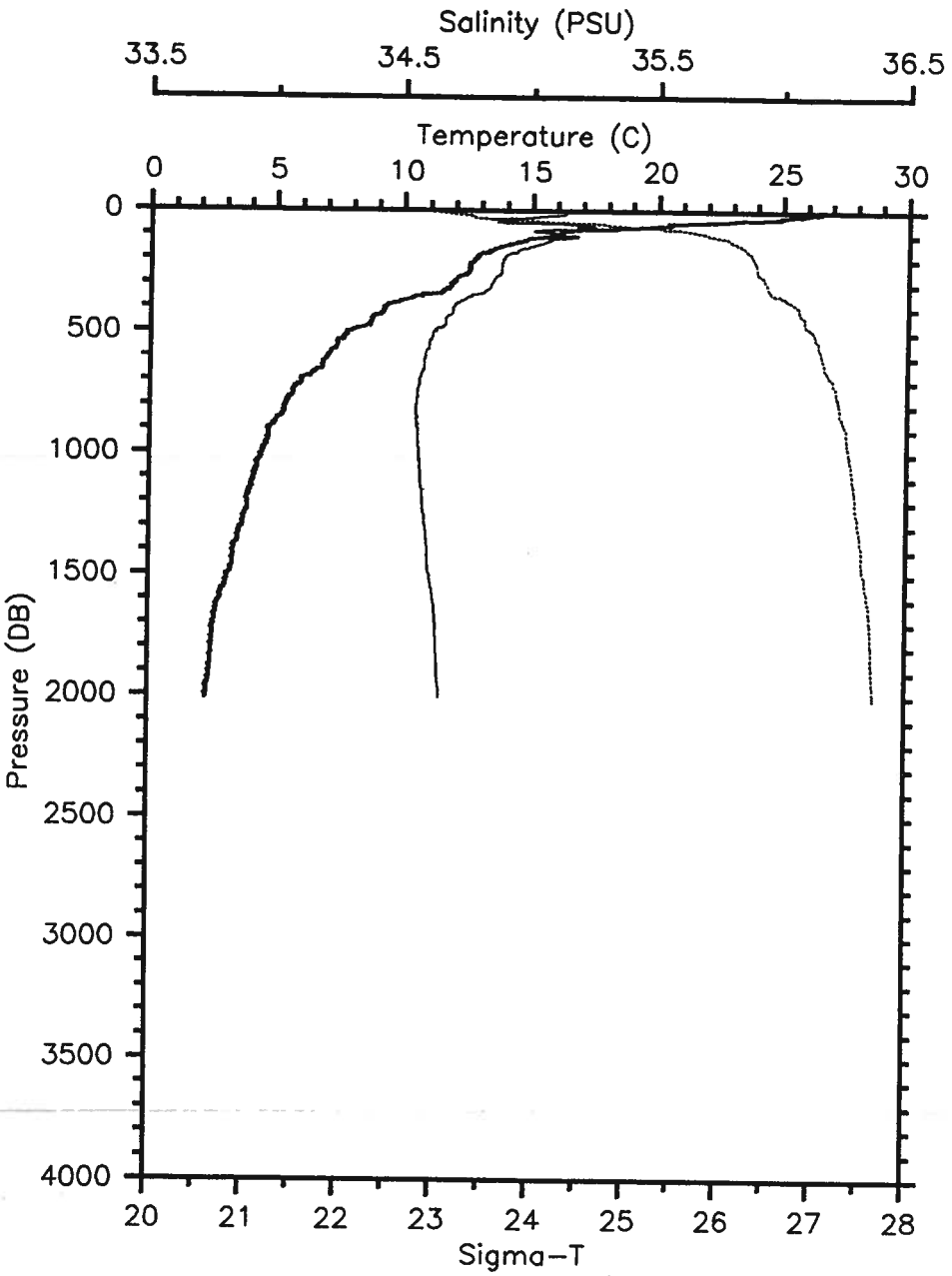


Prs	Tem	Sal	SigT
0	26.51	35.127	22.97
10	26.23	35.129	23.06
20	25.31	35.110	23.33
30	24.80	34.983	23.39
40	22.92	34.893	23.88
50	20.81	34.907	24.48
60	20.43	35.241	24.83
70	18.53	35.249	25.33
80	16.75	35.052	25.61
90	16.13	35.066	25.77
100	15.75	35.083	25.87
110	15.25	35.145	26.03
120	14.74	35.074	26.09
130	14.43	35.052	26.14
140	14.05	35.023	26.19
150	13.72	34.988	26.24
160	13.46	34.950	26.26
170	13.24	34.942	26.30
180	12.95	34.903	26.33
190	12.84	34.891	26.34
200	12.73	34.884	26.36
210	12.66	34.883	26.37
220	12.58	34.879	26.38
230	12.55	34.879	26.39
240	12.54	34.878	26.39
250	12.52	34.878	26.39
260	12.42	34.874	26.41
270	12.15	34.861	26.45
280	12.02	34.850	26.47
290	11.98	34.846	26.47
300	11.85	34.838	26.49
350	10.71	34.761	26.64
400	9.23	34.690	26.84
450	8.72	34.663	26.90
500	7.78	34.616	27.01
550	7.37	34.600	27.05
600	7.00	34.585	27.09
650	6.76	34.581	27.12
700	5.98	34.562	27.21
750	5.65	34.555	27.24
800	5.36	34.551	27.28
850	5.13	34.558	27.31
900	4.70	34.557	27.36
950	4.66	34.559	27.36
1000	4.47	34.561	27.39

EPOCS EP1-86-OC CTD 12 OCEANOGRAPHER

Date 04 22 86 Latitude 0.015 N

Time 1456 Z Longitude 109.988 W

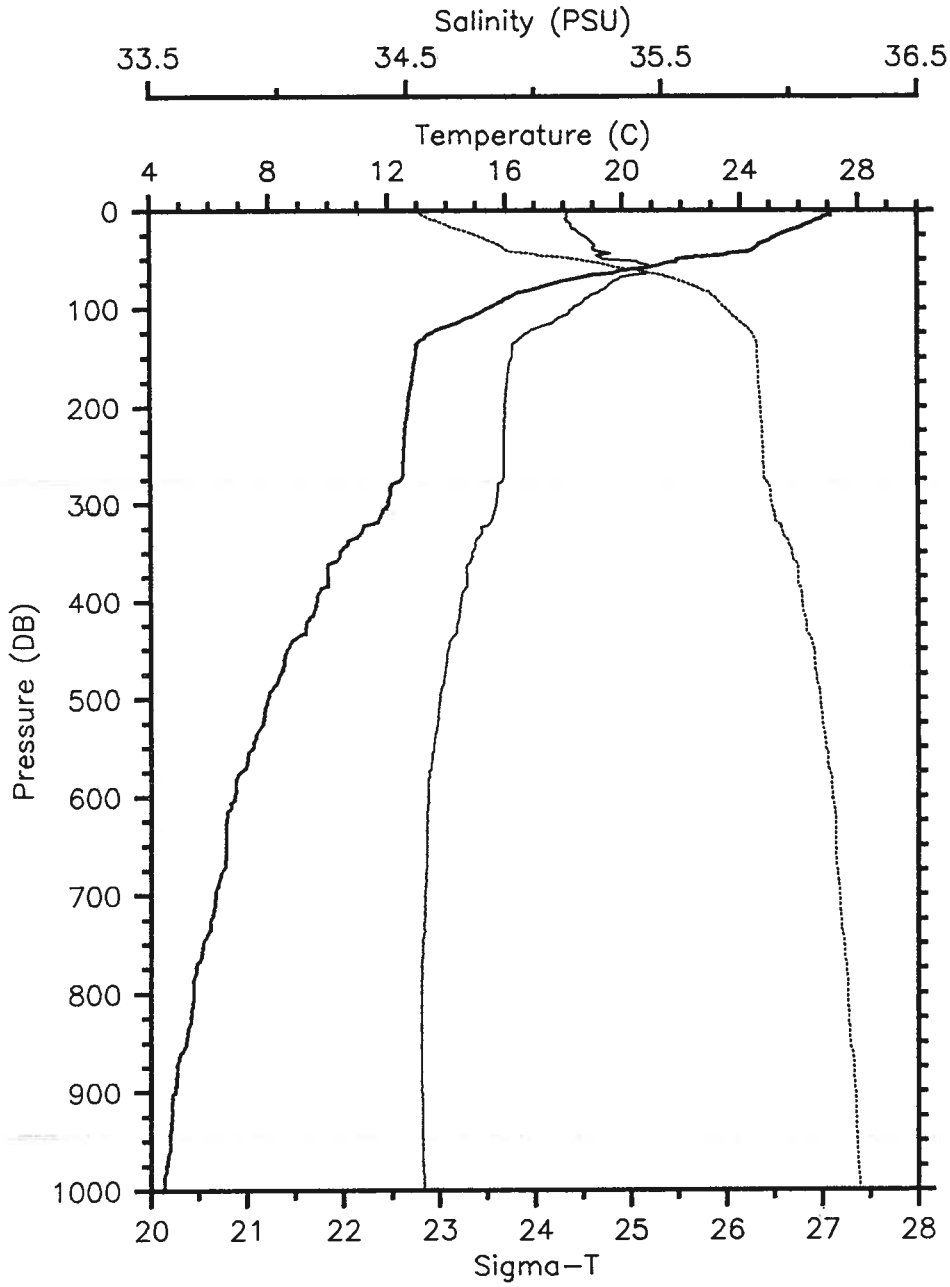


Prs	Tem	Sal	SigT
0	26.51	35.127	22.97
20	25.31	35.110	23.33
40	22.92	34.893	23.88
60	20.43	35.241	24.83
80	16.75	35.052	25.61
100	15.75	35.083	25.87
120	14.74	35.074	26.09
140	14.05	35.023	26.19
160	13.46	34.950	26.26
180	12.95	34.903	26.33
200	12.73	34.884	26.36
220	12.58	34.879	26.38
240	12.54	34.878	26.39
260	12.42	34.874	26.41
280	12.02	34.850	26.47
300	11.85	34.838	26.49
320	11.71	34.832	26.51
340	11.43	34.807	26.55
360	10.31	34.742	26.70
380	9.64	34.707	26.78
400	9.23	34.690	26.84
450	8.72	34.663	26.90
500	7.78	34.616	27.01
550	7.37	34.600	27.05
600	7.00	34.585	27.09
650	6.76	34.581	27.12
700	5.98	34.562	27.21
750	5.65	34.555	27.24
800	5.36	34.551	27.28
850	5.13	34.558	27.31
900	4.70	34.557	27.36
950	4.66	34.559	27.36
1000	4.47	34.561	27.39
1500	3.11	34.609	27.56
2000	2.29	34.650	27.67

EPOCS EP1-86-OC CTD 13 OCEANOGRAPHER

Date 04 22 86 Latitude 0.482 S

Time 2142 Z Longitude 110.003 W

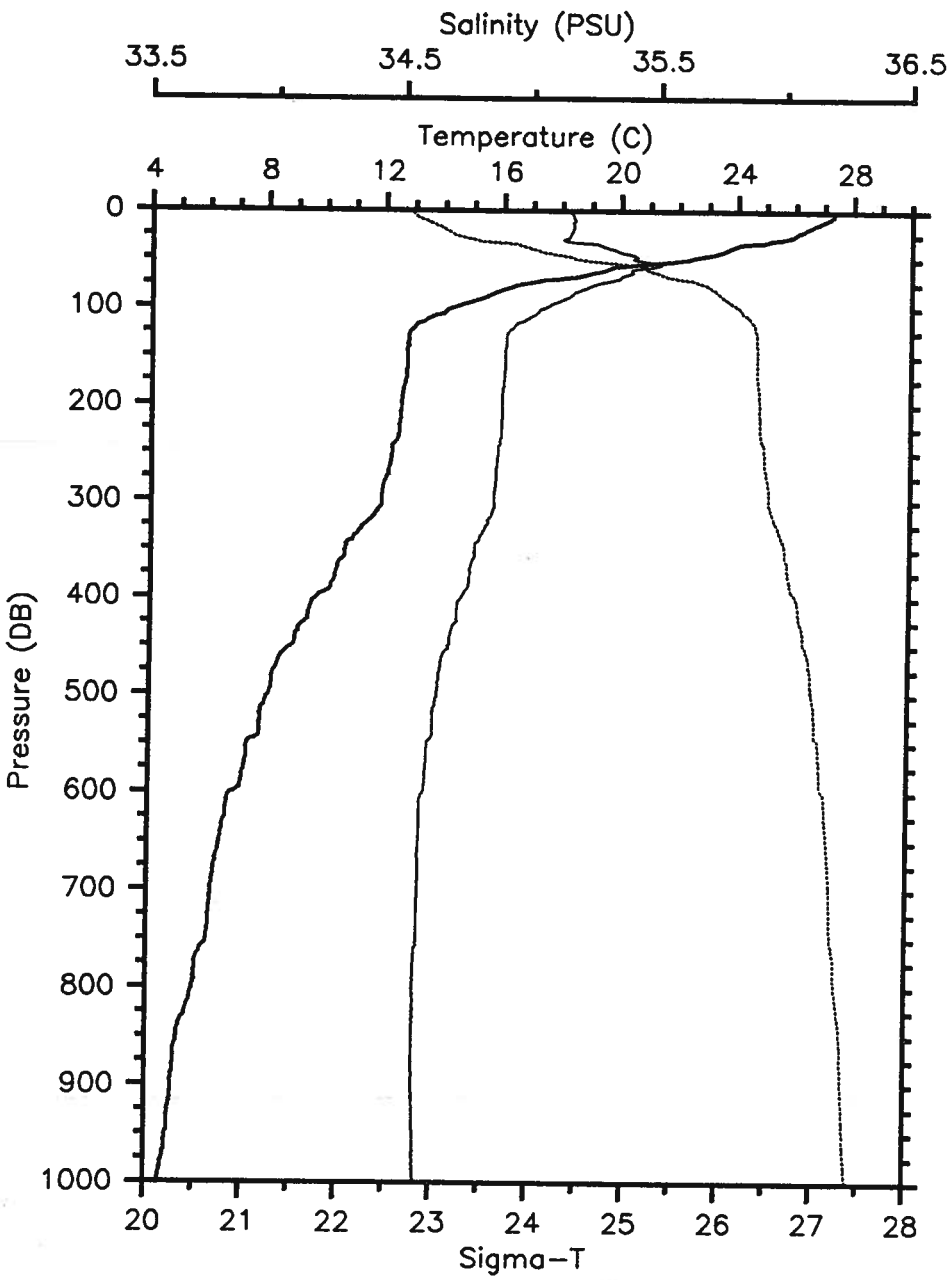


Prs	Tem	Sal	SigT
0	27.01	35.126	22.81
10	26.56	35.126	22.96
20	25.73	35.166	23.24
30	24.98	35.216	23.51
40	24.43	35.232	23.69
50	21.90	35.272	24.46
60	20.29	35.425	25.01
70	18.23	35.332	25.47
80	17.01	35.278	25.73
90	15.99	35.199	25.90
100	15.39	35.153	26.01
110	14.71	35.094	26.11
120	13.79	35.004	26.24
130	13.25	34.945	26.30
140	12.98	34.913	26.33
150	12.95	34.908	26.33
160	12.89	34.899	26.34
170	12.84	34.893	26.34
180	12.78	34.889	26.35
190	12.73	34.885	26.36
200	12.69	34.884	26.37
210	12.65	34.882	26.37
220	12.59	34.880	26.38
230	12.56	34.878	26.39
240	12.55	34.878	26.39
250	12.53	34.877	26.39
260	12.51	34.877	26.40
270	12.50	34.877	26.40
280	12.16	34.855	26.45
290	12.06	34.852	26.46
300	11.99	34.848	26.47
350	10.39	34.752	26.69
400	9.61	34.709	26.79
450	8.59	34.656	26.91
500	7.96	34.624	26.99
550	7.45	34.602	27.04
600	6.83	34.579	27.11
650	6.54	34.573	27.15
700	6.19	34.566	27.19
750	5.76	34.558	27.23
800	5.44	34.554	27.27
850	5.19	34.553	27.30
900	4.82	34.554	27.34
950	4.65	34.559	27.37
1000	4.40	34.563	27.40

EPOCS EP1-86-OC CTD 14 OCEANOGRAPHER

Date 04 23 86 Latitude 0.957 S

Time 0131 Z Longitude 110.025 W

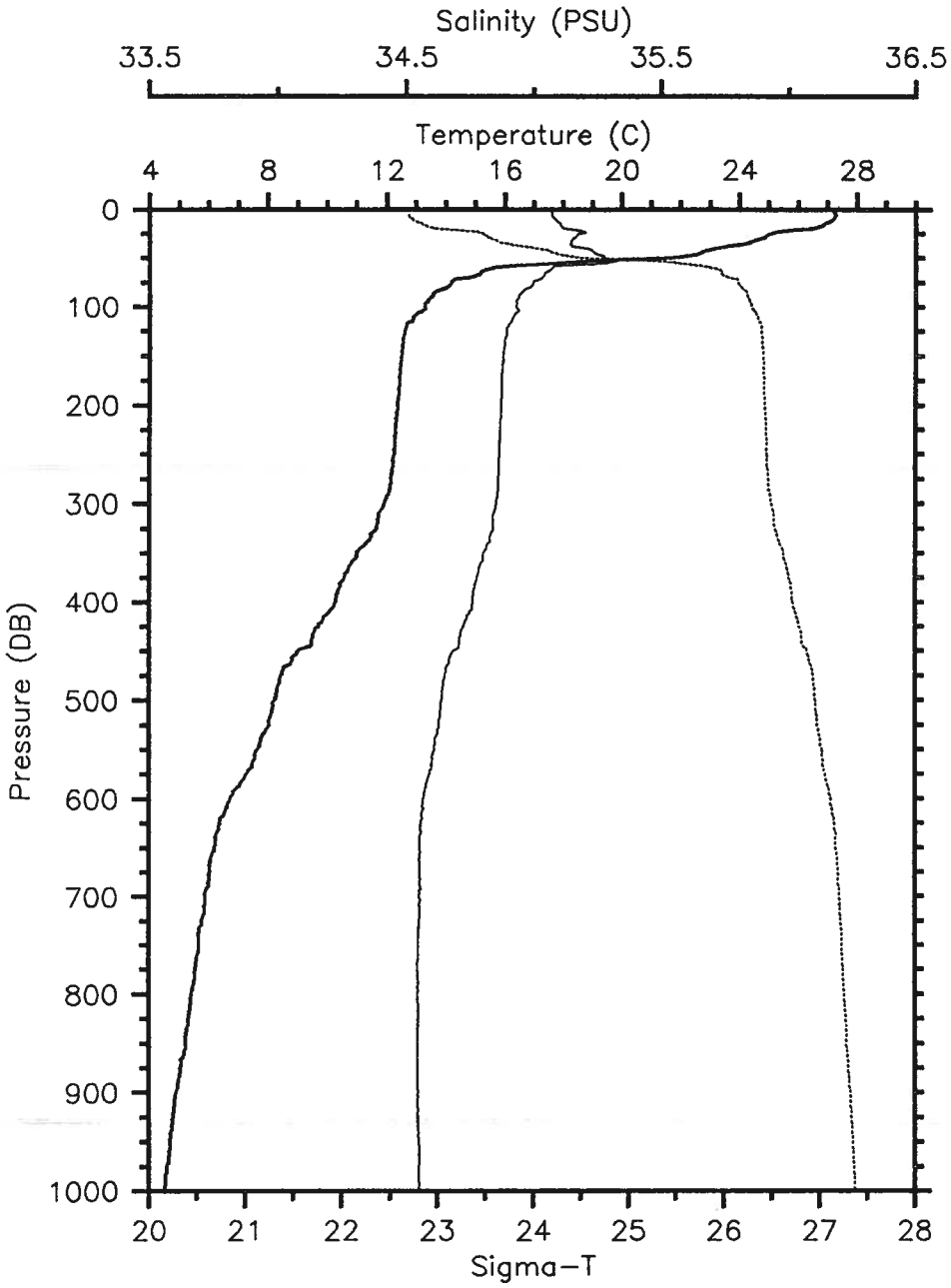


Prs	Tem	Sal	SigT
0	27.30	35.082	22.68
10	26.96	35.163	22.86
20	26.27	35.152	23.07
30	25.13	35.116	23.39
40	23.60	35.315	24.00
50	22.31	35.392	24.43
60	19.51	35.388	25.19
70	18.00	35.340	25.53
80	16.17	35.209	25.87
90	15.30	35.133	26.01
100	14.24	35.047	26.17
110	13.57	34.990	26.27
120	12.98	34.924	26.34
130	12.78	34.896	26.36
140	12.76	34.896	26.36
150	12.73	34.891	26.36
160	12.72	34.891	26.36
170	12.70	34.888	26.37
180	12.65	34.885	26.37
190	12.58	34.881	26.38
200	12.55	34.880	26.39
210	12.53	34.880	26.39
220	12.49	34.878	26.40
230	12.47	34.877	26.40
240	12.33	34.872	26.43
250	12.24	34.865	26.44
260	12.18	34.861	26.45
270	12.11	34.858	26.46
280	11.98	34.855	26.48
290	11.91	34.851	26.49
300	11.89	34.850	26.49
350	10.64	34.777	26.67
400	9.66	34.722	26.79
450	8.86	34.672	26.88
500	8.08	34.634	26.97
550	7.38	34.599	27.05
600	6.84	34.583	27.11
650	6.45	34.569	27.15
700	6.17	34.567	27.19
750	6.05	34.566	27.20
800	5.57	34.553	27.25
850	5.05	34.553	27.31
900	4.88	34.554	27.34
950	4.70	34.560	27.36
1000	4.46	34.564	27.39

EPOCS EP1-86-OC CTD 15 OCEANOGRAPHER

Date 04 23 86 Latitude 1.493 S

Time 0550 Z Longitude 110.002 W

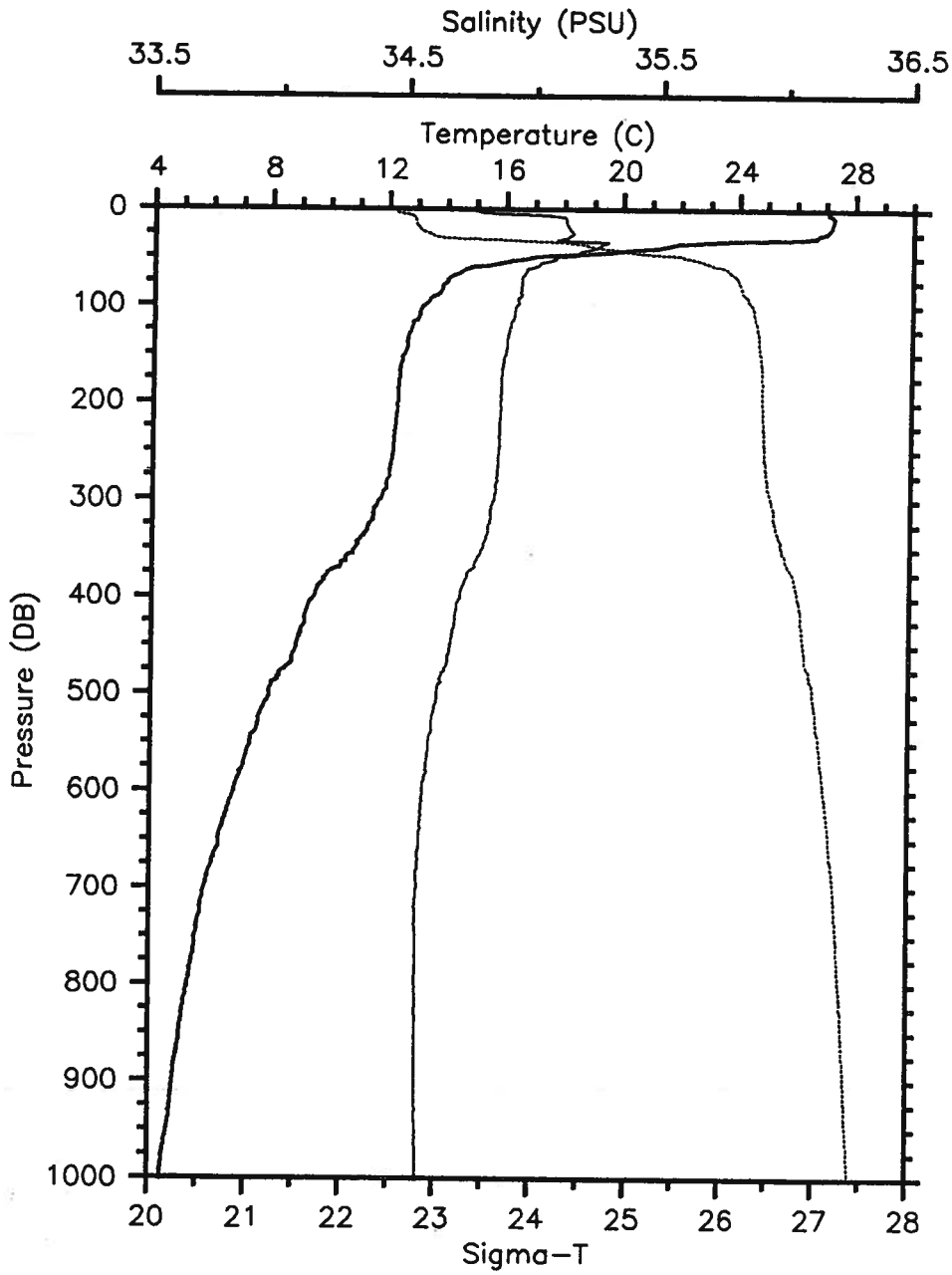


Prs	Tem	Sal	SigT
0	27.25	35.072	22.69
10	27.18	35.083	22.72
20	26.49	35.116	22.97
30	24.68	35.152	23.55
40	23.18	35.205	24.04
50	21.71	35.275	24.51
60	15.64	35.070	25.88
70	14.82	35.030	26.04
80	14.06	34.987	26.17
90	13.50	34.939	26.24
100	13.31	34.929	26.28
110	12.94	34.918	26.34
120	12.65	34.895	26.38
130	12.58	34.887	26.39
140	12.54	34.882	26.39
150	12.50	34.878	26.40
160	12.46	34.876	26.41
170	12.43	34.874	26.41
180	12.41	34.873	26.41
190	12.39	34.872	26.41
200	12.36	34.871	26.42
210	12.33	34.870	26.43
220	12.29	34.868	26.43
230	12.28	34.867	26.43
240	12.26	34.866	26.44
250	12.24	34.865	26.44
260	12.19	34.863	26.45
270	12.15	34.863	26.45
280	12.12	34.860	26.46
290	12.05	34.858	26.47
300	11.91	34.853	26.49
350	11.02	34.803	26.62
400	10.28	34.761	26.72
450	9.04	34.686	26.87
500	8.24	34.639	26.96
550	7.65	34.611	27.02
600	6.74	34.569	27.12
650	6.22	34.555	27.17
700	5.92	34.553	27.21
750	5.68	34.551	27.24
800	5.44	34.548	27.27
850	5.24	34.547	27.29
900	4.91	34.550	27.33
950	4.72	34.554	27.35
1000	4.54	34.555	27.37

EPOCS EP1-86-OC CTD 16 OCEANOGRAPHER

Date 04 23 86 Latitude 1.987 S

Time 0858 Z Longitude 109.975 W

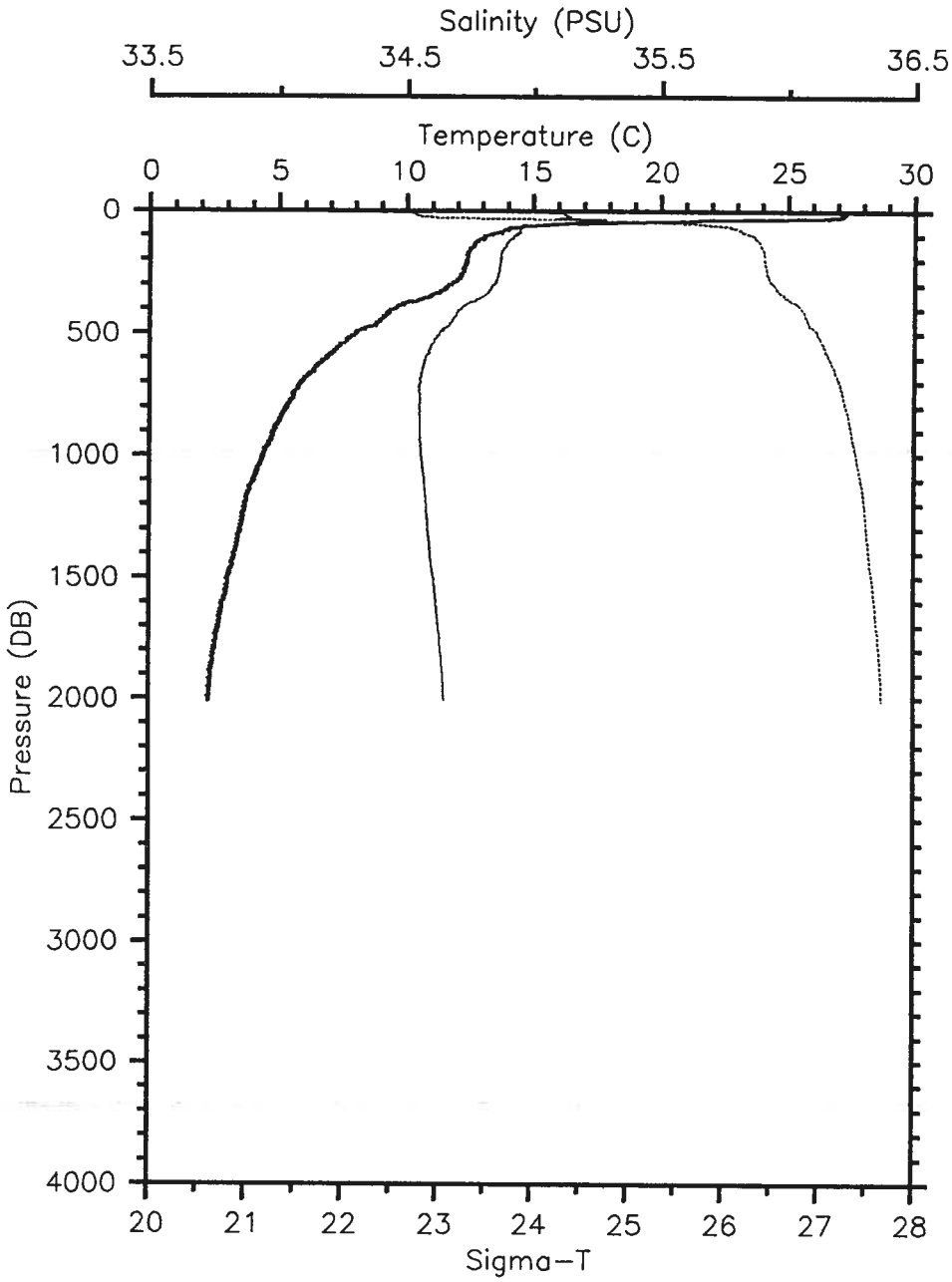


Prs	Tem	Sal	SigT
0	27.03	34.715	22.50
10	27.24	35.118	22.73
20	27.13	35.133	22.78
30	26.23	35.119	23.05
40	21.19	35.241	24.63
50	16.94	35.073	25.59
60	14.84	34.997	26.00
70	14.13	34.950	26.12
80	13.86	34.947	26.18
90	13.57	34.946	26.24
100	13.20	34.930	26.30
110	13.06	34.921	26.32
120	12.85	34.906	26.35
130	12.71	34.897	26.37
140	12.66	34.893	26.38
150	12.55	34.888	26.40
160	12.46	34.878	26.41
170	12.42	34.875	26.41
180	12.39	34.873	26.42
190	12.38	34.872	26.42
200	12.36	34.871	26.42
210	12.34	34.871	26.42
220	12.31	34.869	26.43
230	12.26	34.867	26.44
240	12.24	34.867	26.44
250	12.22	34.866	26.44
260	12.16	34.863	26.45
270	12.09	34.860	26.46
280	12.01	34.860	26.48
290	11.92	34.854	26.49
300	11.73	34.848	26.52
350	10.89	34.803	26.64
400	9.52	34.717	26.81
450	8.94	34.679	26.88
500	8.02	34.629	26.98
550	7.38	34.597	27.05
600	6.84	34.575	27.11
650	6.35	34.564	27.16
700	5.87	34.555	27.22
750	5.56	34.552	27.25
800	5.32	34.551	27.28
850	5.05	34.552	27.31
900	4.84	34.552	27.34
950	4.64	34.556	27.36
1000	4.42	34.559	27.39

EPOCS EP1-86-OC CTD 16 OCEANOGRAPHER

Date 04 23 86 Latitude 1.987 S

Time 0858 Z Longitude 109.975 W

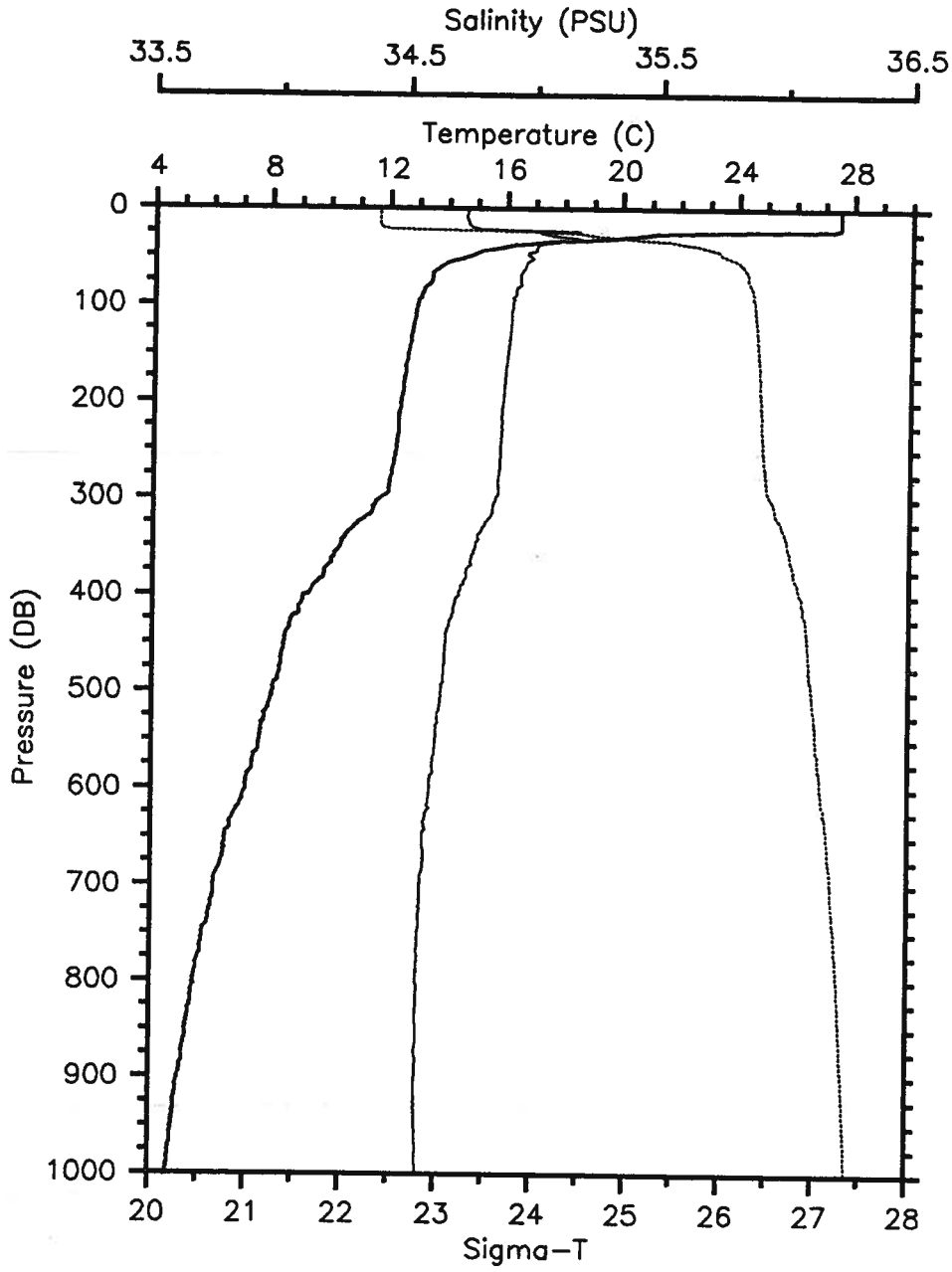


Prs	Tem	Sal	SigT
0	27.03	34.715	22.50
20	27.13	35.133	22.78
40	21.19	35.241	24.63
60	14.84	34.997	26.00
80	13.86	34.947	26.18
100	13.20	34.930	26.30
120	12.85	34.906	26.35
140	12.66	34.893	26.38
160	12.46	34.878	26.41
180	12.39	34.873	26.42
200	12.36	34.871	26.42
220	12.31	34.869	26.43
240	12.24	34.867	26.44
260	12.16	34.863	26.45
280	12.01	34.860	26.48
300	11.73	34.848	26.52
320	11.51	34.833	26.55
340	11.07	34.817	26.62
360	10.62	34.781	26.67
380	9.87	34.740	26.77
400	9.52	34.717	26.81
450	8.94	34.679	26.88
500	8.02	34.629	26.98
550	7.38	34.597	27.05
600	6.84	34.575	27.11
650	6.35	34.564	27.16
700	5.87	34.555	27.22
750	5.56	34.552	27.25
800	5.32	34.551	27.28
850	5.05	34.552	27.31
900	4.84	34.552	27.34
950	4.64	34.556	27.36
1000	4.42	34.559	27.39
1500	3.07	34.610	27.57
2000	2.30	34.651	27.67

EPOCS EP1-86-OC CTD 17 OCEANOGRAPHER

Date 04 23 86 Latitude 2.998 S

Time 1749 Z Longitude 110.020 W

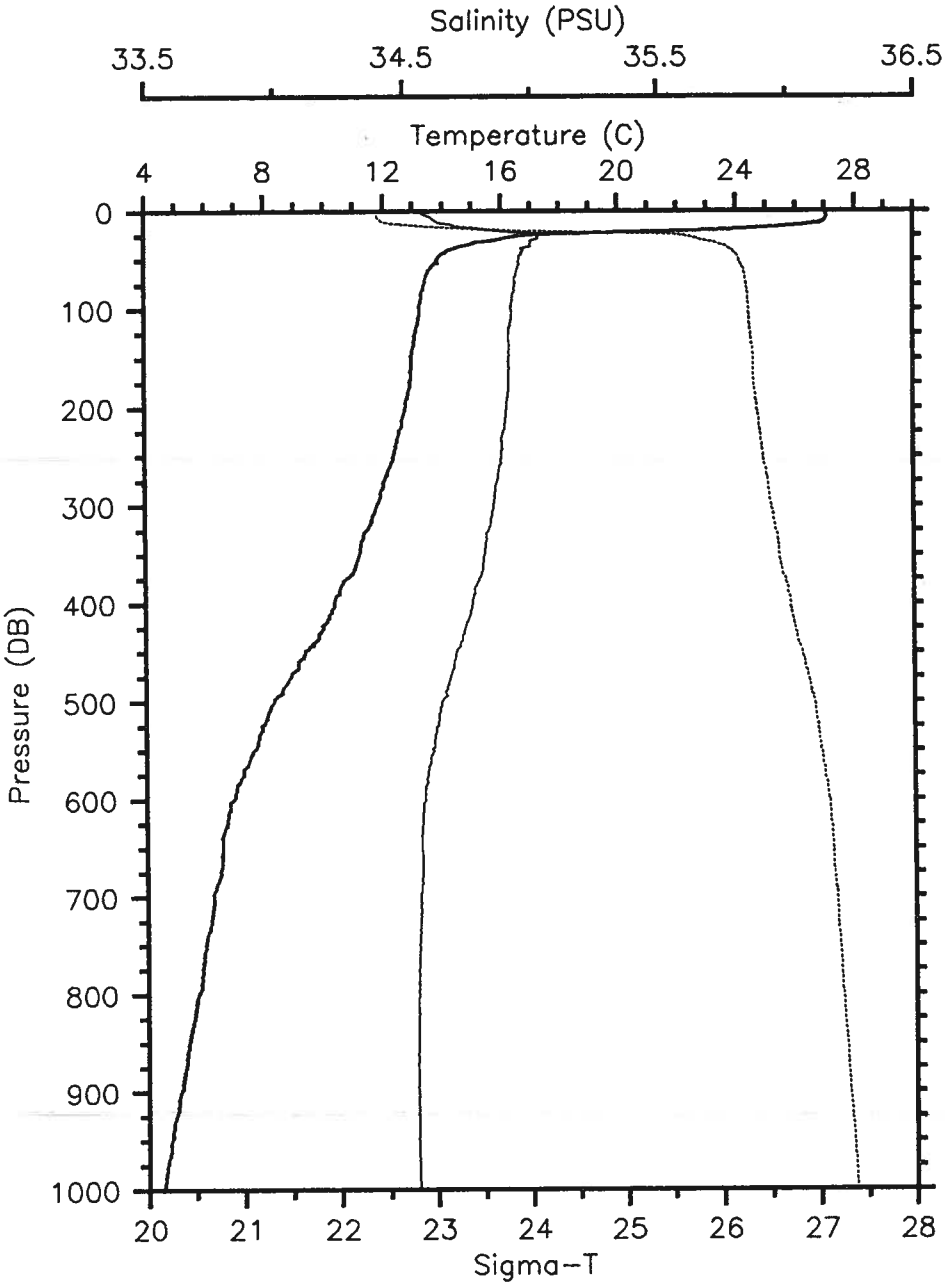


Prs	Tem	Sal	SigT
0	27.49	34.681	22.32
10	27.52	34.723	22.34
20	27.50	34.747	22.37
30	19.94	35.156	24.90
40	15.91	35.004	25.77
50	14.66	34.979	26.03
60	13.75	34.957	26.21
70	13.45	34.938	26.25
80	13.28	34.938	26.29
90	13.09	34.918	26.31
100	12.97	34.910	26.33
110	12.90	34.907	26.34
120	12.83	34.904	26.35
130	12.77	34.901	26.36
140	12.73	34.898	26.37
150	12.66	34.893	26.38
160	12.59	34.888	26.39
170	12.57	34.885	26.39
180	12.52	34.882	26.40
190	12.50	34.880	26.40
200	12.43	34.876	26.41
210	12.39	34.872	26.42
220	12.36	34.872	26.42
230	12.36	34.871	26.42
240	12.31	34.870	26.43
250	12.29	34.869	26.43
260	12.22	34.866	26.44
270	12.13	34.863	26.46
280	12.08	34.859	26.47
290	12.03	34.860	26.47
300	11.74	34.849	26.52
350	10.39	34.768	26.70
400	9.19	34.708	26.86
450	8.51	34.655	26.93
500	8.12	34.640	26.97
550	7.69	34.617	27.02
600	7.22	34.595	27.07
650	6.53	34.571	27.15
700	6.16	34.562	27.19
750	5.77	34.556	27.23
800	5.47	34.551	27.26
850	5.23	34.552	27.29
900	4.97	34.549	27.32
950	4.77	34.550	27.35
1000	4.57	34.555	27.37

EPOCS EP1-86-OC CTD 18 OCEANOGRAPHER

Date 04 24 86 Latitude 4.000 S

Time 0111 Z Longitude 109.997 W

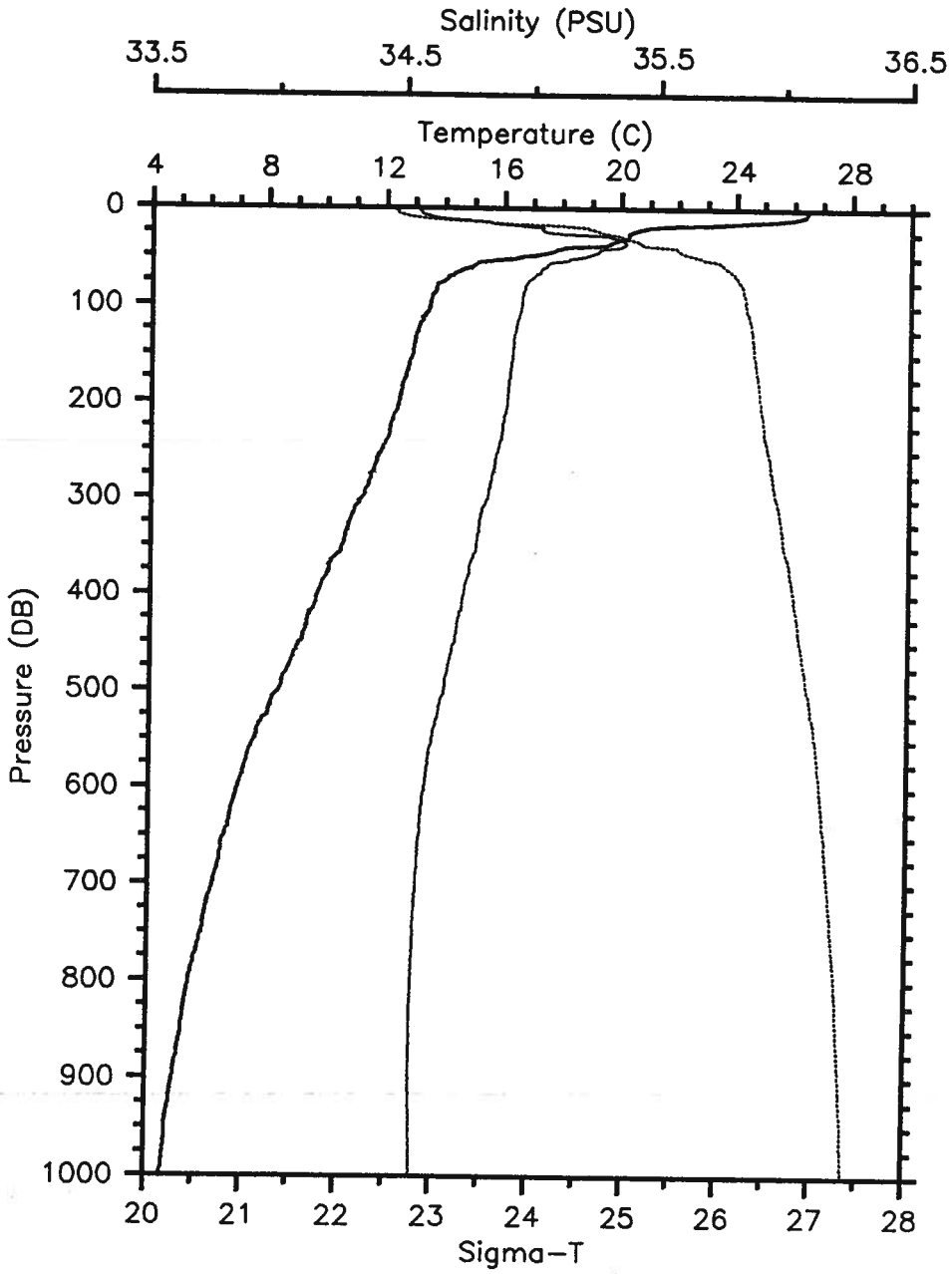


Prs	Tem	Sal	SigT
0	27.03	34.568	22.38
10	26.99	34.629	22.44
20	23.25	34.851	23.75
30	15.72	35.003	25.81
40	14.20	34.976	26.13
50	13.83	34.957	26.19
60	13.56	34.950	26.24
70	13.44	34.939	26.26
80	13.36	34.938	26.27
90	13.29	34.931	26.28
100	13.24	34.927	26.29
110	13.20	34.927	26.30
120	13.14	34.918	26.30
130	13.08	34.917	26.31
140	13.02	34.919	26.33
150	12.97	34.917	26.34
160	12.96	34.918	26.34
170	12.95	34.917	26.34
180	12.90	34.916	26.35
190	12.83	34.912	26.36
200	12.74	34.908	26.37
210	12.66	34.904	26.39
220	12.61	34.902	26.39
230	12.48	34.889	26.41
240	12.43	34.890	26.42
250	12.34	34.887	26.44
260	12.22	34.879	26.45
270	12.10	34.873	26.47
280	11.99	34.864	26.49
290	11.90	34.859	26.50
300	11.79	34.855	26.52
350	11.19	34.818	26.60
400	10.35	34.768	26.71
450	9.36	34.705	26.83
500	8.30	34.648	26.95
550	7.60	34.616	27.03
600	6.92	34.580	27.10
650	6.54	34.566	27.14
700	6.23	34.560	27.18
750	5.96	34.554	27.21
800	5.69	34.550	27.24
850	5.36	34.548	27.27
900	5.09	34.548	27.31
950	4.75	34.549	27.35
1000	4.50	34.552	27.38

EPOCS EP1-86-OC CTD 19 OCEANOGRAPHER

Date 04 24 86 Latitude 4.993 S

Time 0805 Z Longitude 110.005 W

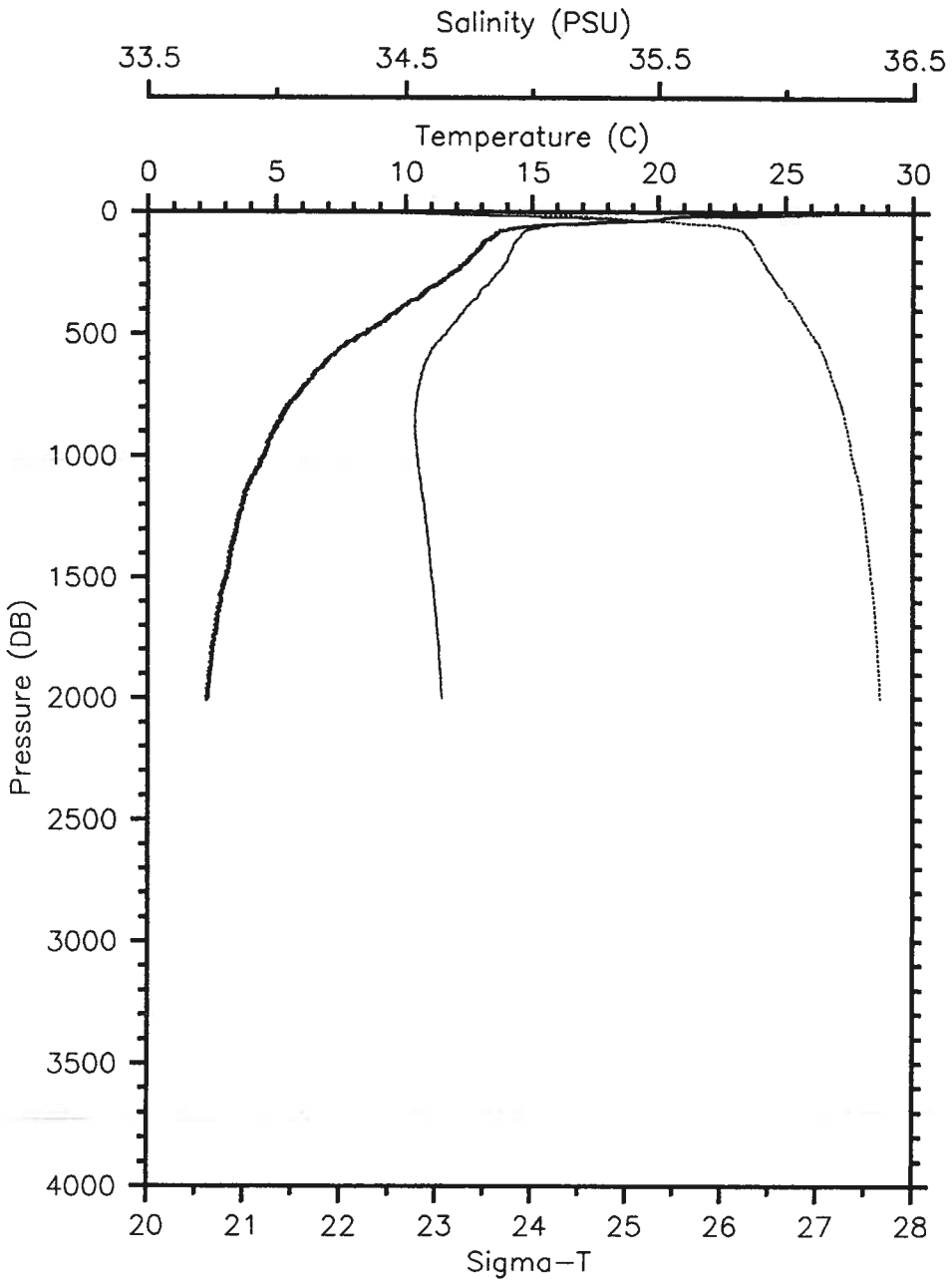


Prs	Tem	Sal	SigT
0	26.45	34.547	22.55
10	25.90	34.613	22.78
20	20.90	35.038	24.55
30	20.21	35.319	24.95
40	18.12	35.341	25.50
50	16.59	35.197	25.76
60	14.91	35.051	26.03
70	14.14	35.002	26.16
80	13.72	34.967	26.22
90	13.57	34.958	26.25
100	13.49	34.955	26.26
110	13.34	34.945	26.28
120	13.15	34.935	26.31
130	13.04	34.927	26.33
140	12.98	34.924	26.34
150	12.94	34.921	26.34
160	12.82	34.916	26.37
170	12.72	34.911	26.38
180	12.59	34.906	26.40
190	12.53	34.903	26.41
200	12.47	34.900	26.42
210	12.36	34.896	26.44
220	12.23	34.886	26.46
230	12.16	34.881	26.47
240	12.03	34.873	26.48
250	11.88	34.865	26.51
260	11.71	34.853	26.53
270	11.62	34.847	26.54
280	11.49	34.839	26.56
290	11.34	34.829	26.58
300	11.22	34.825	26.60
350	10.56	34.783	26.69
400	9.74	34.734	26.79
450	9.13	34.701	26.86
500	8.43	34.659	26.94
550	7.59	34.615	27.03
600	7.05	34.586	27.09
650	6.59	34.569	27.14
700	6.22	34.557	27.17
750	5.86	34.547	27.21
800	5.43	34.543	27.26
850	5.20	34.541	27.29
900	4.91	34.542	27.32
950	4.69	34.545	27.35
1000	4.54	34.549	27.37

EPOCS EP1-86-OC CTD 19 OCEANOGRAPHER

Date 04 24 86 Latitude 4.993 S

Time 0805 Z Longitude 110.005 W

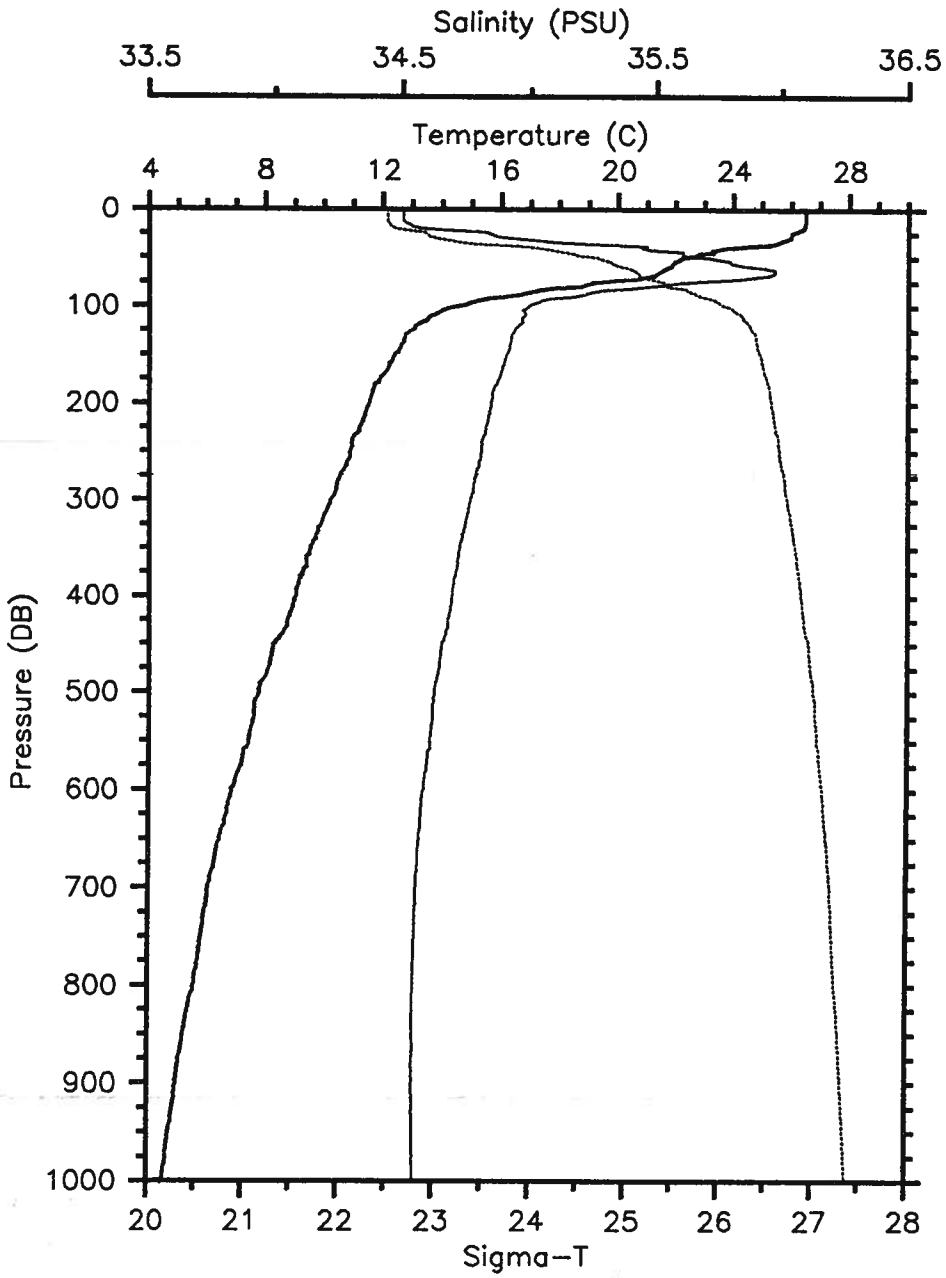


Prs	Tem	Sal	SigT
0	26.45	34.547	22.55
20	20.90	35.038	24.55
40	18.12	35.341	25.50
60	14.91	35.051	26.03
80	13.72	34.967	26.22
100	13.49	34.955	26.26
120	13.15	34.935	26.31
140	12.98	34.924	26.34
160	12.82	34.916	26.37
180	12.59	34.906	26.40
200	12.47	34.900	26.42
220	12.23	34.886	26.46
240	12.03	34.873	26.48
260	11.71	34.853	26.53
280	11.49	34.839	26.56
300	11.22	34.825	26.60
320	10.86	34.798	26.64
340	10.67	34.787	26.67
360	10.35	34.771	26.71
380	10.05	34.752	26.75
400	9.74	34.734	26.79
450	9.13	34.701	26.86
500	8.43	34.659	26.94
550	7.59	34.615	27.03
600	7.05	34.586	27.09
650	6.59	34.569	27.14
700	6.22	34.557	27.17
750	5.86	34.547	27.21
800	5.43	34.543	27.26
850	5.20	34.541	27.29
900	4.91	34.542	27.32
950	4.69	34.545	27.35
1000	4.54	34.549	27.37
1500	3.05	34.605	27.56
2000	2.30	34.646	27.66

EPOCS EP1-86-OC CTD 20 OCEANOGRAPHER

Date 04 24 86 Latitude 6.005 S

Time 1422 Z Longitude 110.003 W

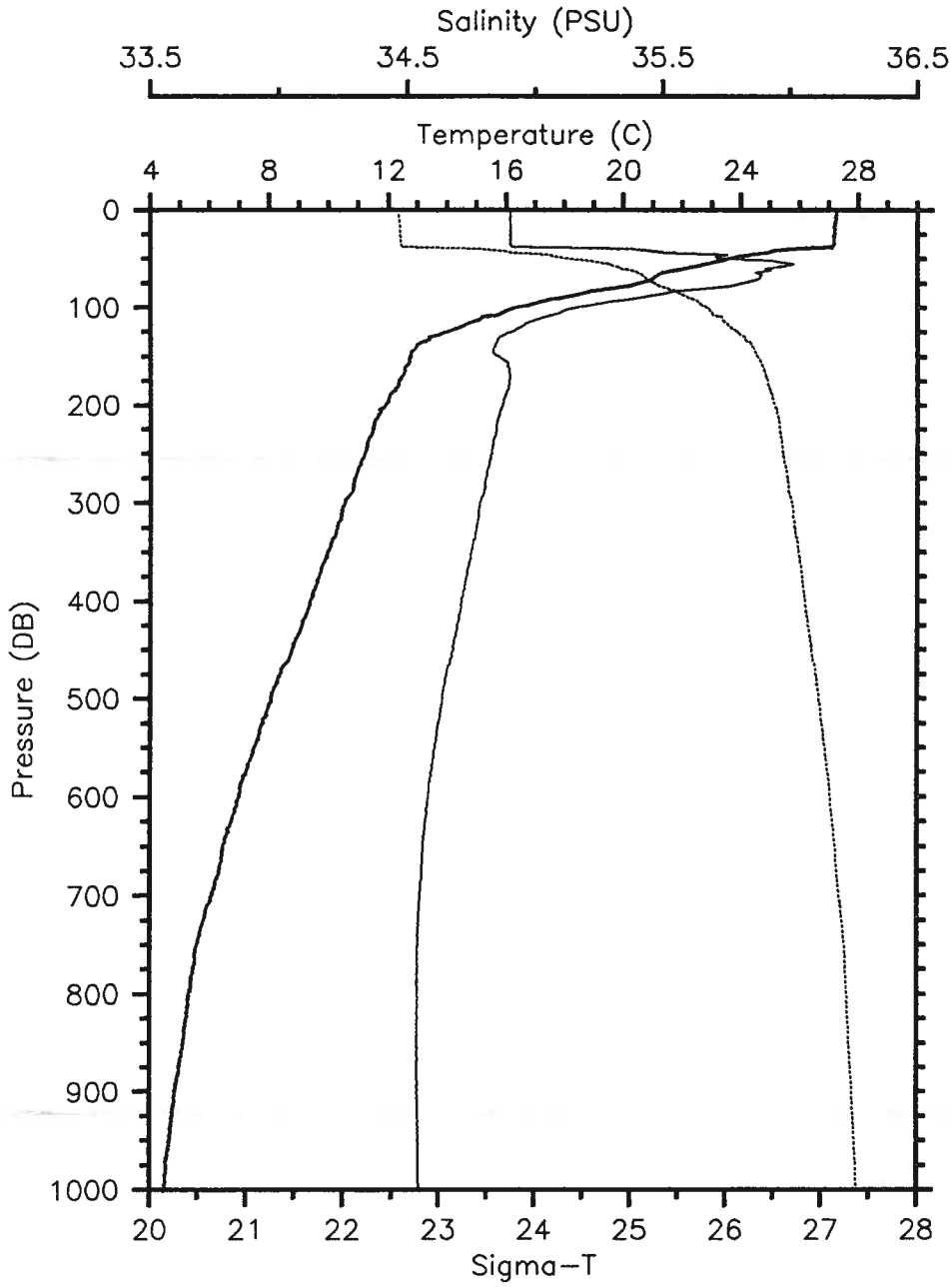


Prs	Tem	Sal	SigT
0	26.49	34.502	22.51
10	26.48	34.502	22.51
20	26.39	34.576	22.60
30	25.86	34.938	23.03
40	23.67	35.439	24.07
50	22.26	35.706	24.68
60	21.71	35.929	25.01
70	20.89	35.887	25.20
80	18.71	35.458	25.45
90	16.17	35.172	25.84
100	14.47	34.990	26.08
110	13.60	34.976	26.25
120	13.11	34.949	26.33
130	12.76	34.924	26.38
140	12.63	34.917	26.40
150	12.40	34.903	26.44
160	12.22	34.893	26.46
170	12.02	34.880	26.49
180	11.75	34.865	26.53
190	11.64	34.851	26.54
200	11.52	34.844	26.56
210	11.39	34.839	26.58
220	11.27	34.829	26.59
230	11.15	34.821	26.61
240	10.95	34.808	26.64
250	10.89	34.807	26.65
260	10.78	34.797	26.66
270	10.61	34.786	26.68
280	10.47	34.781	26.70
290	10.40	34.774	26.71
300	10.23	34.763	26.73
350	9.53	34.722	26.81
400	9.03	34.693	26.87
450	8.31	34.655	26.96
500	7.80	34.626	27.01
550	7.45	34.610	27.05
600	6.86	34.583	27.11
650	6.45	34.567	27.15
700	6.05	34.556	27.20
750	5.83	34.552	27.22
800	5.59	34.547	27.25
850	5.21	34.545	27.29
900	4.97	34.546	27.32
950	4.74	34.548	27.35
1000	4.50	34.552	27.38

EPOCS EP1-86-OC CTD 21 OCEANOGRAPHER

Date 04 24 86 Latitude 6.998 S

Time 2117 Z Longitude 110.008 W

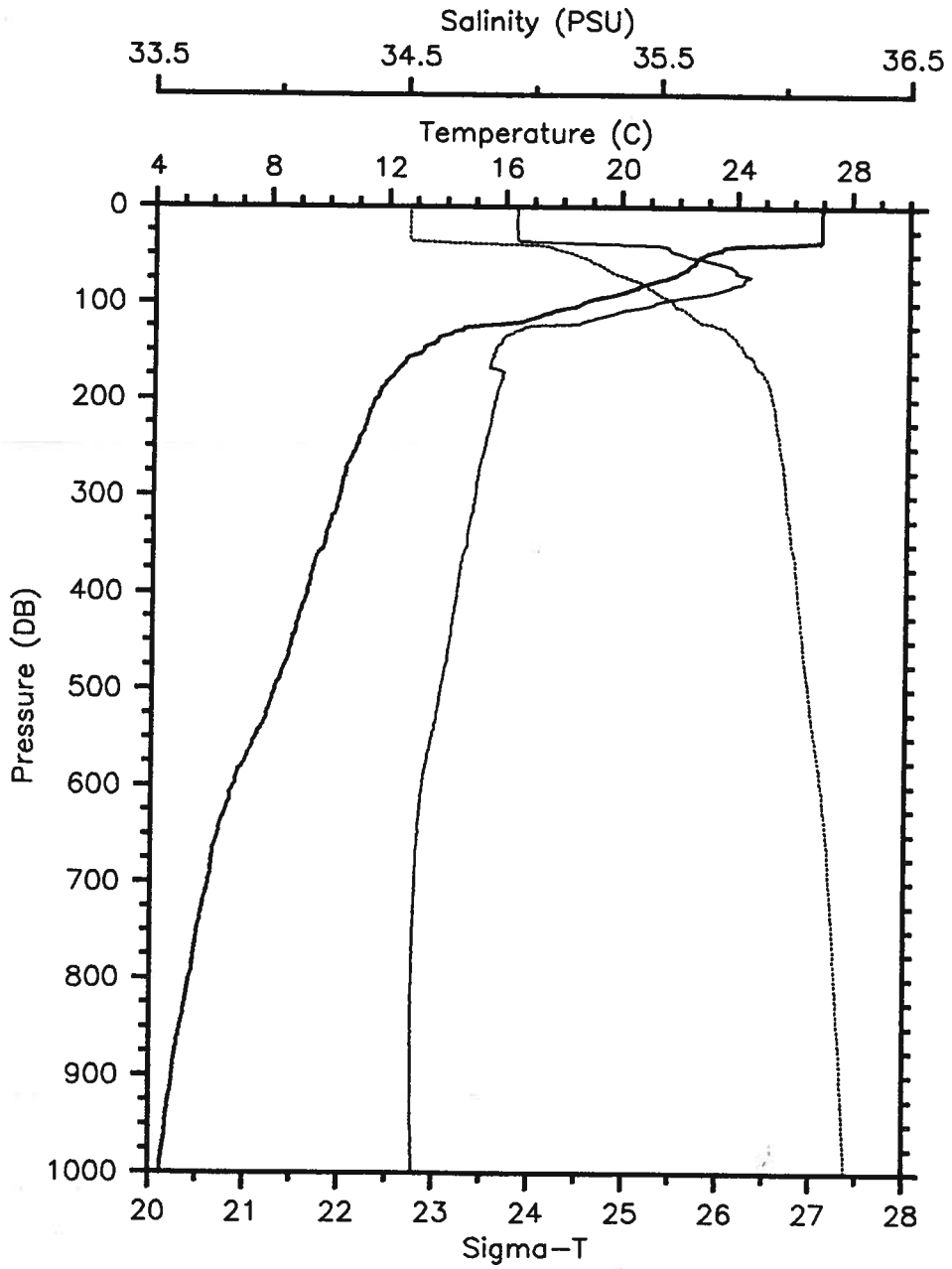


Prs	Tem	Sal	SigT
0	27.26	34.901	22.56
10	27.24	34.900	22.57
20	27.19	34.902	22.58
30	27.17	34.901	22.59
40	25.71	35.374	23.41
50	23.58	35.715	24.31
60	22.05	35.904	24.89
70	21.03	35.881	25.16
80	19.82	35.709	25.35
90	17.89	35.406	25.61
100	16.31	35.162	25.80
110	15.21	35.038	25.95
120	14.44	34.941	26.05
130	13.44	34.861	26.20
140	12.98	34.843	26.28
150	12.77	34.859	26.33
160	12.63	34.889	26.38
170	12.47	34.898	26.42
180	12.33	34.894	26.44
190	12.06	34.880	26.49
200	11.89	34.871	26.51
210	11.68	34.859	26.54
220	11.53	34.848	26.56
230	11.45	34.844	26.57
240	11.31	34.834	26.59
250	11.24	34.829	26.60
260	11.10	34.819	26.62
270	10.95	34.809	26.64
280	10.84	34.803	26.65
290	10.74	34.796	26.66
300	10.54	34.782	26.69
350	9.99	34.748	26.76
400	9.39	34.713	26.83
450	8.79	34.679	26.90
500	8.09	34.637	26.98
550	7.52	34.608	27.04
600	7.01	34.583	27.09
650	6.48	34.562	27.14
700	6.10	34.550	27.18
750	5.60	34.542	27.24
800	5.33	34.540	27.27
850	5.14	34.541	27.30
900	4.87	34.541	27.33
950	4.68	34.544	27.35
1000	4.51	34.547	27.37

EPOCS EP1-86-OC CTD 22 OCEANOGRAPHER

Date 04 25 86 Latitude 7.898 S

Time 0408 Z Longitude 109.255 W

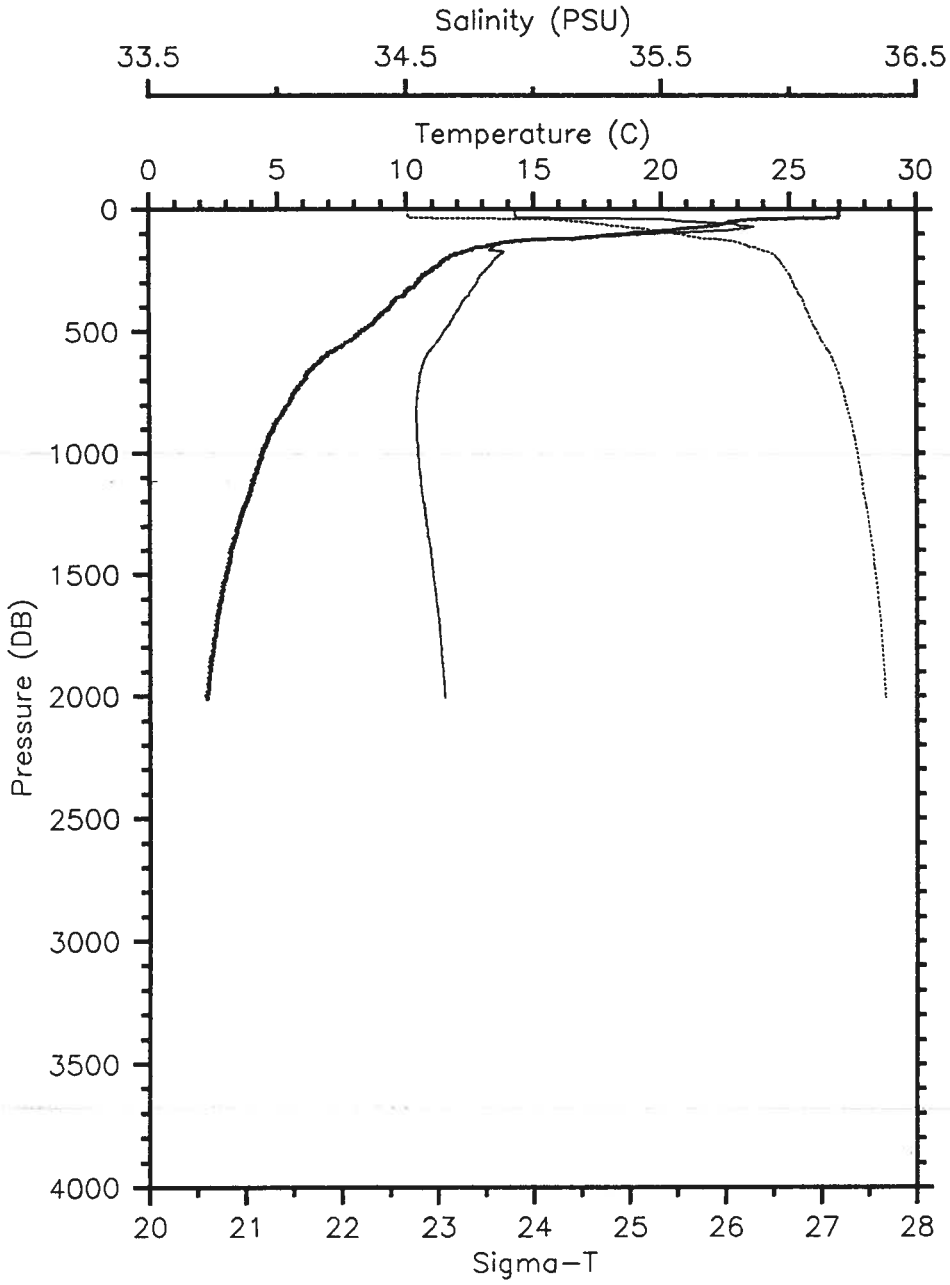


Prs	Tem	Sal	SigT
0	26.94	34.931	22.69
10	26.94	34.930	22.68
20	26.94	34.930	22.68
30	26.95	34.930	22.68
40	23.98	35.489	24.02
50	22.85	35.594	24.43
60	22.41	35.762	24.68
70	21.94	35.817	24.86
80	20.88	35.825	25.16
90	19.92	35.692	25.31
100	18.69	35.480	25.47
110	17.63	35.334	25.62
120	16.59	35.190	25.76
130	14.32	34.926	26.06
140	13.69	34.872	26.15
150	13.22	34.851	26.23
160	12.63	34.833	26.34
170	12.36	34.869	26.42
180	12.04	34.872	26.48
190	11.78	34.860	26.52
200	11.62	34.852	26.55
210	11.44	34.842	26.57
220	11.35	34.836	26.58
230	11.23	34.828	26.60
240	11.07	34.817	26.62
250	10.97	34.810	26.63
260	10.81	34.801	26.65
270	10.65	34.789	26.68
280	10.58	34.785	26.68
290	10.49	34.779	26.69
300	10.42	34.776	26.70
350	9.92	34.745	26.77
400	9.33	34.708	26.84
450	8.81	34.680	26.90
500	8.23	34.645	26.96
550	7.57	34.610	27.03
600	6.84	34.577	27.11
650	6.32	34.559	27.16
700	6.01	34.551	27.20
750	5.63	34.542	27.24
800	5.36	34.539	27.27
850	5.07	34.537	27.30
900	4.80	34.539	27.33
950	4.58	34.541	27.36
1000	4.38	34.545	27.38

EPOCS EP1-86-OC CTD 22 OCEANOGRAPHER

Date 04 25 86 Latitude 7.898 S

Time 0408 Z Longitude 109.255 W

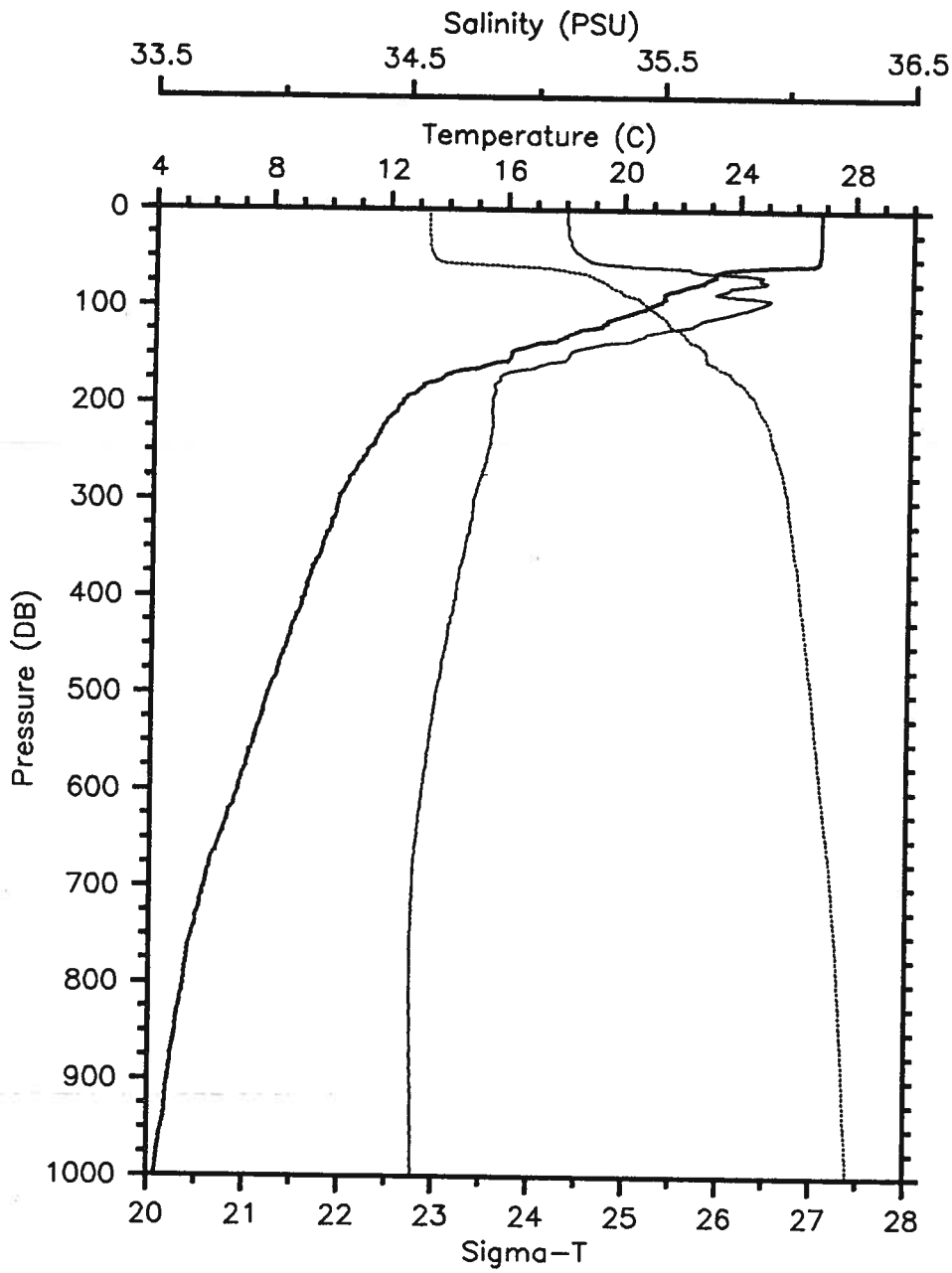


Prs	Tem	Sal	SigT
0	26.94	34.931	22.69
20	26.94	34.930	22.68
40	23.98	35.489	24.02
60	22.41	35.762	24.68
80	20.88	35.825	25.16
100	18.69	35.480	25.47
120	16.59	35.190	25.76
140	13.69	34.872	26.15
160	12.63	34.833	26.34
180	12.04	34.872	26.48
200	11.62	34.852	26.55
220	11.35	34.836	26.58
240	11.07	34.817	26.62
260	10.81	34.801	26.65
280	10.58	34.785	26.68
300	10.42	34.776	26.70
320	10.19	34.761	26.73
340	9.97	34.747	26.76
360	9.70	34.732	26.79
380	9.47	34.718	26.82
400	9.33	34.708	26.84
450	8.81	34.680	26.90
500	8.23	34.645	26.96
550	7.57	34.610	27.03
600	6.84	34.577	27.11
650	6.32	34.559	27.16
700	6.01	34.551	27.20
750	5.63	34.542	27.24
800	5.36	34.539	27.27
850	5.07	34.537	27.30
900	4.80	34.539	27.33
950	4.58	34.541	27.36
1000	4.38	34.545	27.38
1500	2.95	34.602	27.57
2000	2.21	34.648	27.67

EPOCS EP1-86-OC CTD 23 OCEANOGRAPHER

Date 04 25 86 Latitude 9.010 S

Time 1438 Z Longitude 109.987 W

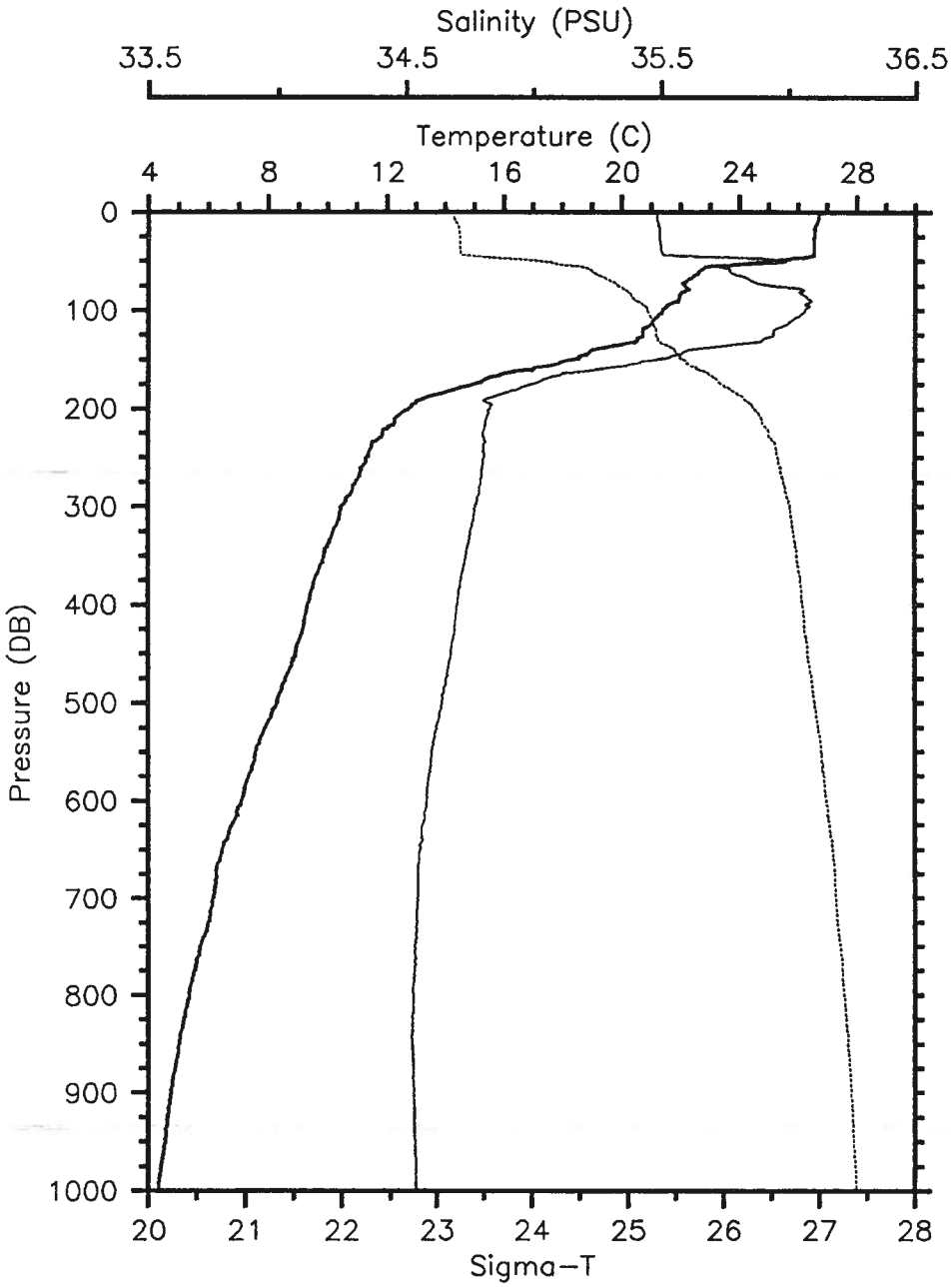


Prs	Tem	Sal	SigT
0	26.82	35.117	22.87
10	26.82	35.117	22.87
20	26.81	35.121	22.87
30	26.82	35.127	22.87
40	26.82	35.143	22.89
50	26.78	35.190	22.93
60	23.95	35.605	24.12
70	23.04	35.891	24.60
80	22.08	35.771	24.78
90	21.44	35.886	25.05
100	20.86	35.865	25.19
110	19.93	35.727	25.34
120	19.30	35.622	25.42
130	18.10	35.432	25.58
140	16.86	35.246	25.74
150	16.18	35.133	25.81
160	15.40	35.028	25.91
170	14.01	34.875	26.09
180	13.25	34.842	26.22
190	12.92	34.846	26.29
200	12.52	34.838	26.36
210	12.23	34.836	26.42
220	11.94	34.838	26.48
230	11.73	34.834	26.51
240	11.57	34.829	26.54
250	11.32	34.819	26.58
260	11.13	34.814	26.61
270	10.90	34.798	26.64
280	10.70	34.787	26.66
290	10.54	34.776	26.68
300	10.35	34.765	26.71
350	9.80	34.734	26.78
400	9.20	34.699	26.85
450	8.61	34.662	26.92
500	7.98	34.625	26.98
550	7.50	34.599	27.03
600	6.97	34.574	27.09
650	6.36	34.554	27.15
700	5.85	34.539	27.21
750	5.43	34.533	27.25
800	5.17	34.532	27.28
850	4.90	34.534	27.32
900	4.67	34.538	27.35
950	4.46	34.542	27.37

EPOCS EP1-86-OC CTD 24 OCEANOGRAPHER

Date 04 25 86 Latitude 10.012 S

Time 2245 Z Longitude 109.987 W

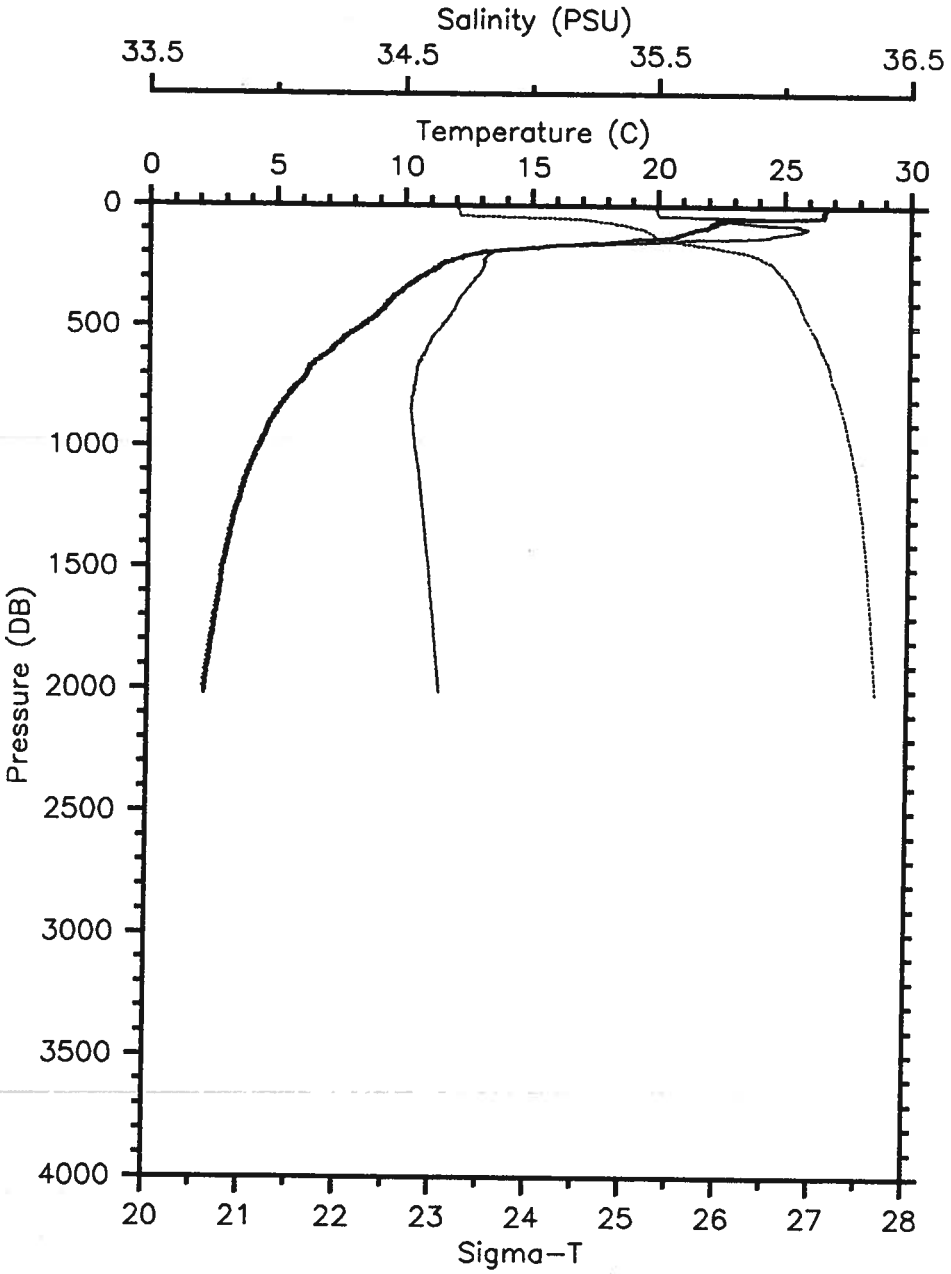


Prs	Tem	Sal	SigT
0	26.71	35.485	23.18
10	26.67	35.487	23.19
20	26.57	35.495	23.23
30	26.56	35.498	23.24
40	26.56	35.504	23.24
50	25.06	35.996	24.08
60	22.66	35.769	24.62
70	22.22	35.854	24.81
80	22.20	36.065	24.97
90	21.92	36.091	25.07
100	21.41	36.068	25.20
110	21.10	36.018	25.24
120	20.73	35.943	25.29
130	20.55	35.900	25.30
140	19.05	35.613	25.48
150	18.26	35.481	25.58
160	17.02	35.255	25.71
170	15.36	35.040	25.92
180	14.38	34.945	26.06
190	13.27	34.822	26.20
200	12.78	34.834	26.31
210	12.29	34.819	26.39
220	12.04	34.811	26.44
230	11.76	34.811	26.49
240	11.49	34.809	26.54
250	11.35	34.809	26.56
260	11.18	34.805	26.59
270	11.07	34.801	26.61
280	10.87	34.792	26.64
290	10.68	34.784	26.67
300	10.48	34.776	26.69
350	9.91	34.739	26.76
400	9.35	34.705	26.83
450	8.93	34.680	26.88
500	8.30	34.645	26.95
550	7.59	34.604	27.02
600	7.13	34.584	27.07
650	6.48	34.555	27.14
700	6.18	34.546	27.17
750	5.74	34.536	27.22
800	5.37	34.529	27.26
850	5.02	34.528	27.30
900	4.76	34.532	27.33
950	4.55	34.537	27.36
1000	4.32	34.542	27.39

EPOCS EP1-86-OC CTD 24 OCEANOGRAPHER

Date 04 25 86 Latitude 10.012 S

Time 2245 Z Longitude 109.987 W

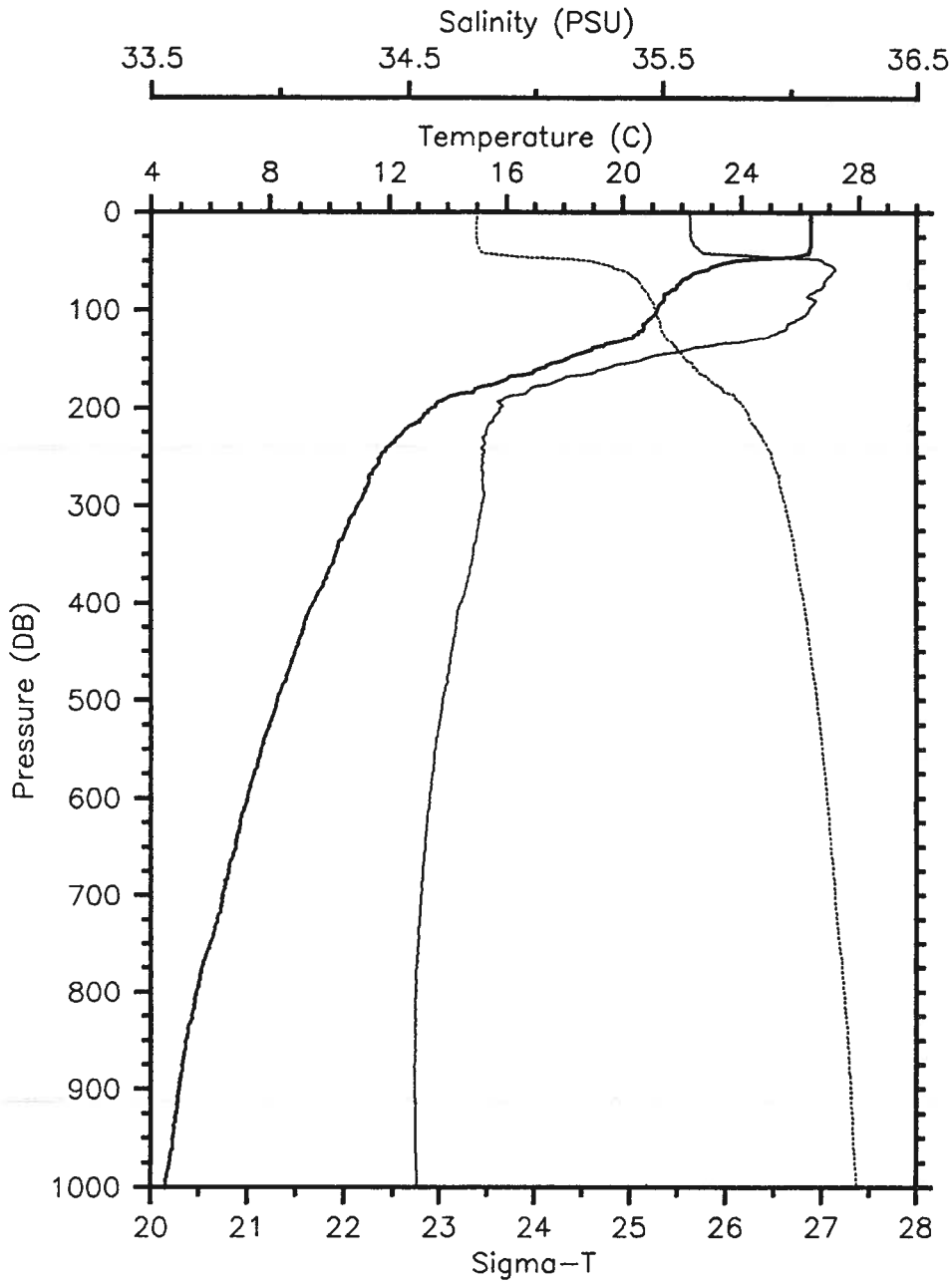


Prs	Tem	Sal	SigT
0	26.71	35.485	23.18
20	26.57	35.495	23.23
40	26.56	35.504	23.24
60	22.66	35.769	24.62
80	22.20	36.065	24.97
100	21.41	36.068	25.20
120	20.73	35.943	25.29
140	19.05	35.613	25.48
160	17.02	35.255	25.71
180	14.38	34.945	26.06
200	12.78	34.834	26.31
220	12.04	34.811	26.44
240	11.49	34.809	26.54
260	11.18	34.805	26.59
280	10.87	34.792	26.64
300	10.48	34.776	26.69
320	10.29	34.761	26.72
340	10.02	34.746	26.75
360	9.78	34.732	26.78
380	9.54	34.717	26.81
400	9.35	34.705	26.83
450	8.93	34.680	26.88
500	8.30	34.645	26.95
550	7.59	34.604	27.02
600	7.13	34.584	27.07
650	6.48	34.555	27.14
700	6.18	34.546	27.17
750	5.74	34.536	27.22
800	5.37	34.529	27.26
850	5.02	34.528	27.30
900	4.76	34.532	27.33
950	4.55	34.537	27.36
1000	4.32	34.542	27.39
1500	2.92	34.600	27.57
2000	2.25	34.645	27.67

EPOCS EP1-86-OC CTD 25 OCEANOGRAPHER

Date 04 26 86 Latitude 10.998 S

Time 0509 Z Longitude 109.982 W

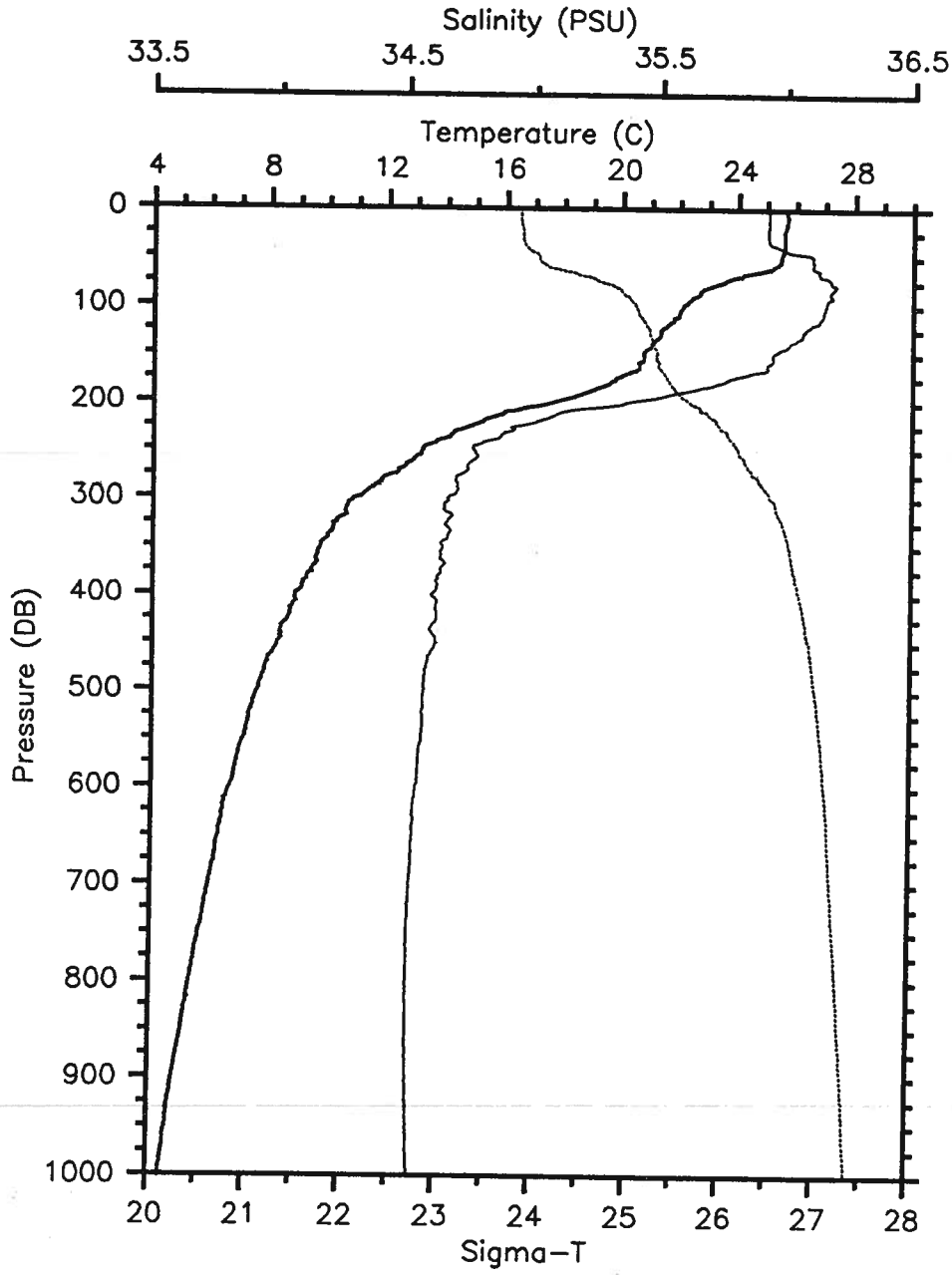


Prs	Tem	Sal	SigT
0	26.36	35.609	23.38
10	26.37	35.609	23.38
20	26.38	35.611	23.38
30	26.37	35.620	23.39
40	26.33	35.650	23.42
50	23.75	36.129	24.57
60	22.61	36.170	24.94
70	21.99	36.138	25.09
80	21.67	36.106	25.15
90	21.40	36.102	25.22
100	21.17	36.075	25.27
110	20.90	36.027	25.30
120	20.70	35.984	25.33
130	20.06	35.845	25.39
140	18.97	35.605	25.49
150	18.09	35.425	25.58
160	17.12	35.278	25.70
170	16.03	35.108	25.82
180	14.98	34.985	25.97
190	14.01	34.879	26.09
200	13.48	34.860	26.19
210	13.14	34.838	26.24
220	12.69	34.813	26.31
230	12.28	34.794	26.38
240	11.97	34.792	26.43
250	11.74	34.796	26.48
260	11.58	34.790	26.51
270	11.35	34.794	26.55
280	11.29	34.795	26.56
290	11.15	34.799	26.59
300	10.96	34.791	26.62
350	10.21	34.755	26.73
400	9.45	34.708	26.82
450	8.85	34.673	26.89
500	8.26	34.637	26.95
550	7.71	34.606	27.01
600	7.26	34.586	27.06
650	6.86	34.567	27.10
700	6.42	34.551	27.14
750	6.00	34.539	27.19
800	5.53	34.529	27.24
850	5.19	34.528	27.28
900	4.95	34.528	27.31
950	4.74	34.531	27.33
1000	4.47	34.536	27.37

EPOCS EP1-86-OC CTD 26 OCEANOGRAPHER

Date 04 27 86 Latitude 13.070 S

Time 0056 Z Longitude 110.068 W

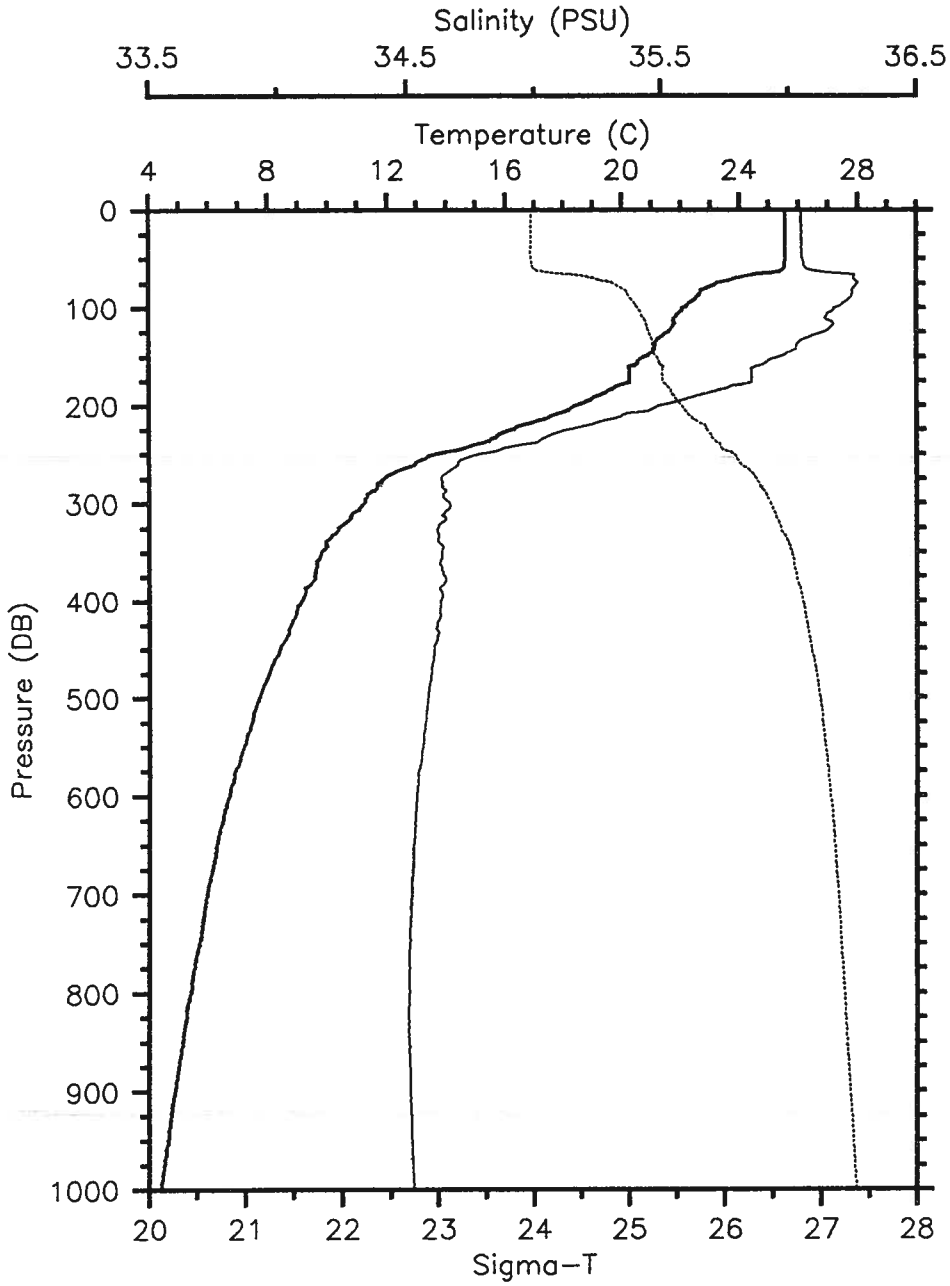


Prs	Tem	Sal	SigT
0	25.66	35.928	23.84
10	25.67	35.928	23.84
20	25.60	35.925	23.86
30	25.58	35.926	23.87
40	25.56	35.981	23.91
50	25.47	36.103	24.03
60	25.15	36.104	24.13
70	23.82	36.164	24.58
80	22.97	36.190	24.85
90	22.46	36.183	24.99
100	22.12	36.152	25.06
110	21.95	36.142	25.10
120	21.54	36.094	25.18
130	21.32	36.064	25.22
140	21.01	36.008	25.26
150	20.74	35.946	25.29
160	20.59	35.924	25.31
170	20.10	35.842	25.38
180	19.57	35.725	25.43
190	18.72	35.560	25.52
200	17.59	35.361	25.65
210	16.03	35.112	25.83
220	15.27	35.011	25.92
230	14.31	34.909	26.05
240	13.71	34.828	26.11
250	13.21	34.758	26.16
260	12.90	34.763	26.23
270	12.43	34.739	26.30
280	11.84	34.692	26.38
290	11.44	34.699	26.46
300	10.89	34.659	26.53
350	9.74	34.641	26.72
400	8.89	34.599	26.82
450	8.27	34.616	26.93
500	7.62	34.572	26.99
550	7.16	34.563	27.05
600	6.70	34.544	27.10
650	6.32	34.531	27.14
700	6.02	34.521	27.17
750	5.67	34.514	27.21
800	5.37	34.513	27.25
850	5.13	34.514	27.28
900	4.82	34.519	27.31
950	4.62	34.523	27.34
1000	4.40	34.530	27.37

EPOCS EP1-86-OC CTD 27 OCEANOGRAPHER

Date 04 27 86 Latitude 13.992 S

Time 0434 Z Longitude 109.998 W

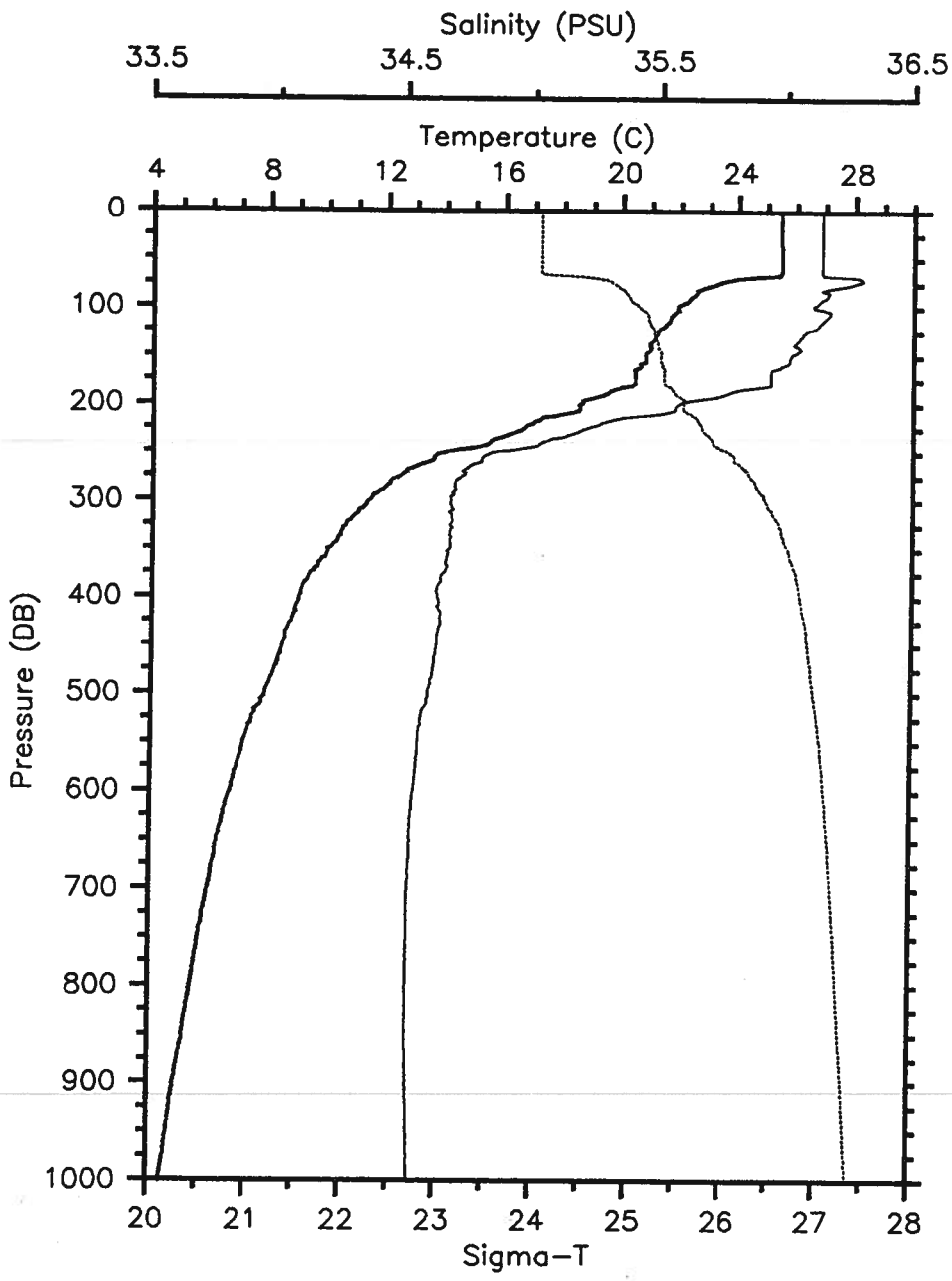


Prs	Tem	Sal	SigT
0	25.56	36.050	23.97
10	25.56	36.050	23.96
20	25.56	36.050	23.96
30	25.57	36.051	23.96
40	25.57	36.051	23.96
50	25.56	36.055	23.97
60	25.50	36.075	24.00
70	23.83	36.254	24.64
80	22.88	36.253	24.92
90	22.52	36.236	25.01
100	22.09	36.175	25.09
110	21.80	36.144	25.15
120	21.68	36.162	25.19
130	21.32	36.080	25.23
140	21.12	36.029	25.25
150	20.76	35.962	25.29
160	20.25	35.870	25.36
170	20.25	35.856	25.35
180	19.82	35.775	25.40
190	19.17	35.646	25.47
200	18.42	35.490	25.54
210	17.63	35.348	25.63
220	16.62	35.224	25.78
230	15.76	35.065	25.85
240	14.96	34.958	25.95
250	13.65	34.784	26.09
260	12.95	34.699	26.17
270	12.15	34.652	26.29
280	11.70	34.637	26.36
290	11.38	34.643	26.43
300	11.22	34.667	26.48
350	9.81	34.638	26.70
400	9.12	34.630	26.81
450	8.39	34.607	26.91
500	7.70	34.582	26.99
550	7.18	34.560	27.05
600	6.70	34.537	27.09
650	6.29	34.526	27.14
700	5.97	34.519	27.18
750	5.70	34.513	27.21
800	5.39	34.511	27.24
850	5.14	34.510	27.27
900	4.88	34.516	27.31
950	4.64	34.522	27.34
1000	4.41	34.529	27.37

EPOCS EP1-86-OC CTD 28 OCEANOGRAPHER

Date 04 27 86 Latitude 14.997 S

Time 1324 Z Longitude 109.998 W

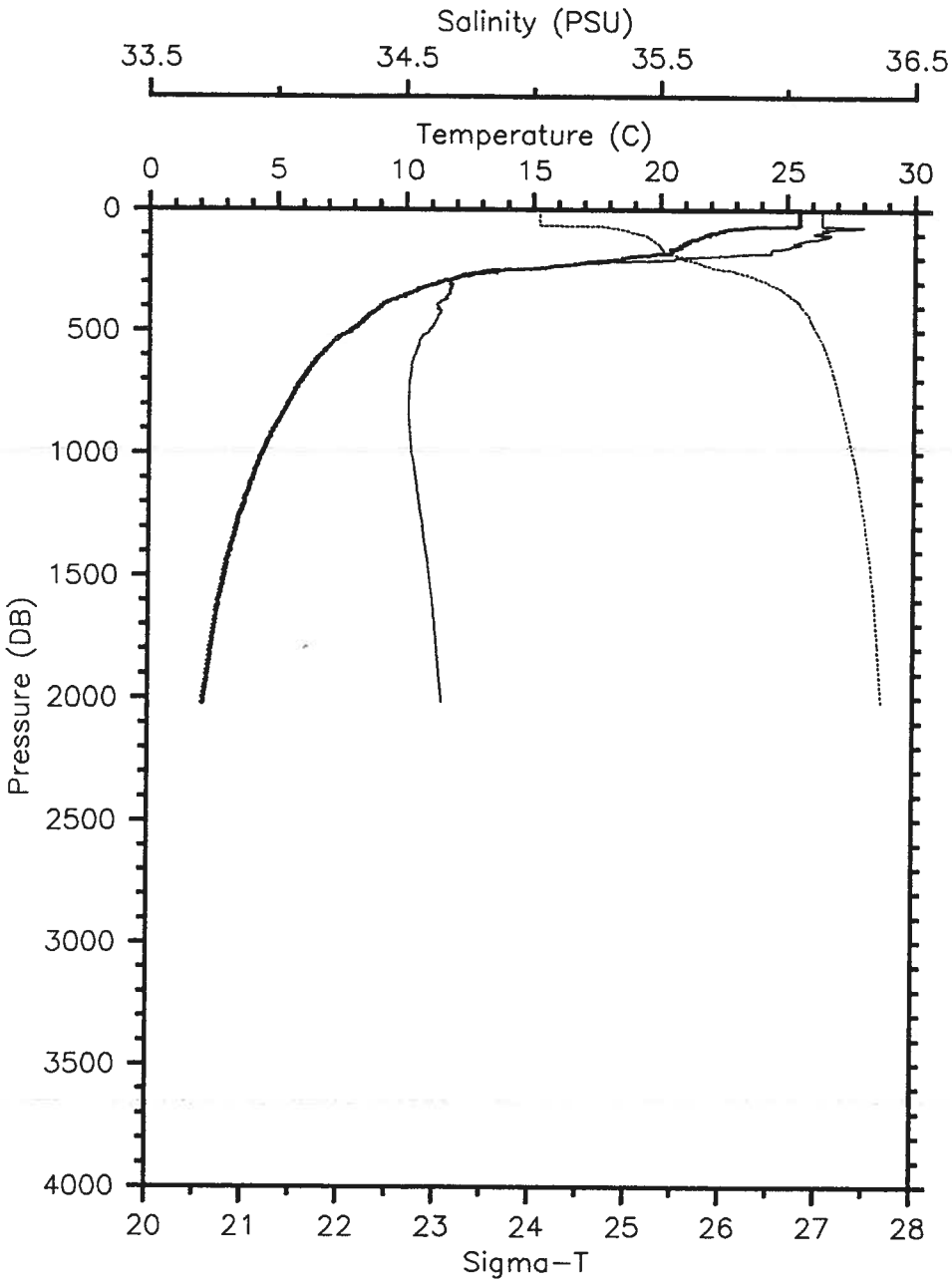


Prs	Tem	Sal	SigT
0	25.45	36.138	24.06
10	25.46	36.137	24.06
20	25.46	36.137	24.06
30	25.46	36.138	24.06
40	25.47	36.137	24.06
50	25.47	36.137	24.06
60	25.47	36.137	24.06
70	23.90	36.295	24.65
80	22.75	36.162	24.89
90	22.33	36.149	25.00
100	21.88	36.108	25.10
110	21.67	36.155	25.19
120	21.43	36.120	25.23
130	21.12	36.054	25.26
140	20.96	36.041	25.30
150	20.80	36.015	25.32
160	20.63	35.979	25.34
170	20.43	35.936	25.36
180	20.35	35.934	25.38
190	19.40	35.747	25.49
200	18.53	35.565	25.57
210	18.00	35.493	25.65
220	16.96	35.261	25.72
230	16.26	35.158	25.81
240	15.50	35.029	25.88
250	14.03	34.840	26.06
260	13.43	34.795	26.15
270	12.66	34.719	26.24
280	12.12	34.692	26.33
290	11.76	34.689	26.39
300	11.40	34.675	26.45
350	9.98	34.670	26.70
400	9.02	34.625	26.82
450	8.46	34.622	26.91
500	7.87	34.592	26.97
550	7.13	34.551	27.05
600	6.71	34.536	27.09
650	6.27	34.524	27.14
700	5.97	34.517	27.17
750	5.67	34.514	27.21
800	5.41	34.511	27.24
850	5.16	34.513	27.27
900	4.88	34.516	27.31
950	4.66	34.521	27.33
1000	4.42	34.526	27.36

EPOCS EP1-86-OC CTD 28 OCEANOGRAPHER

Date 04 27 86 Latitude 14.997 S

Time 1324 Z Longitude 109.998 W

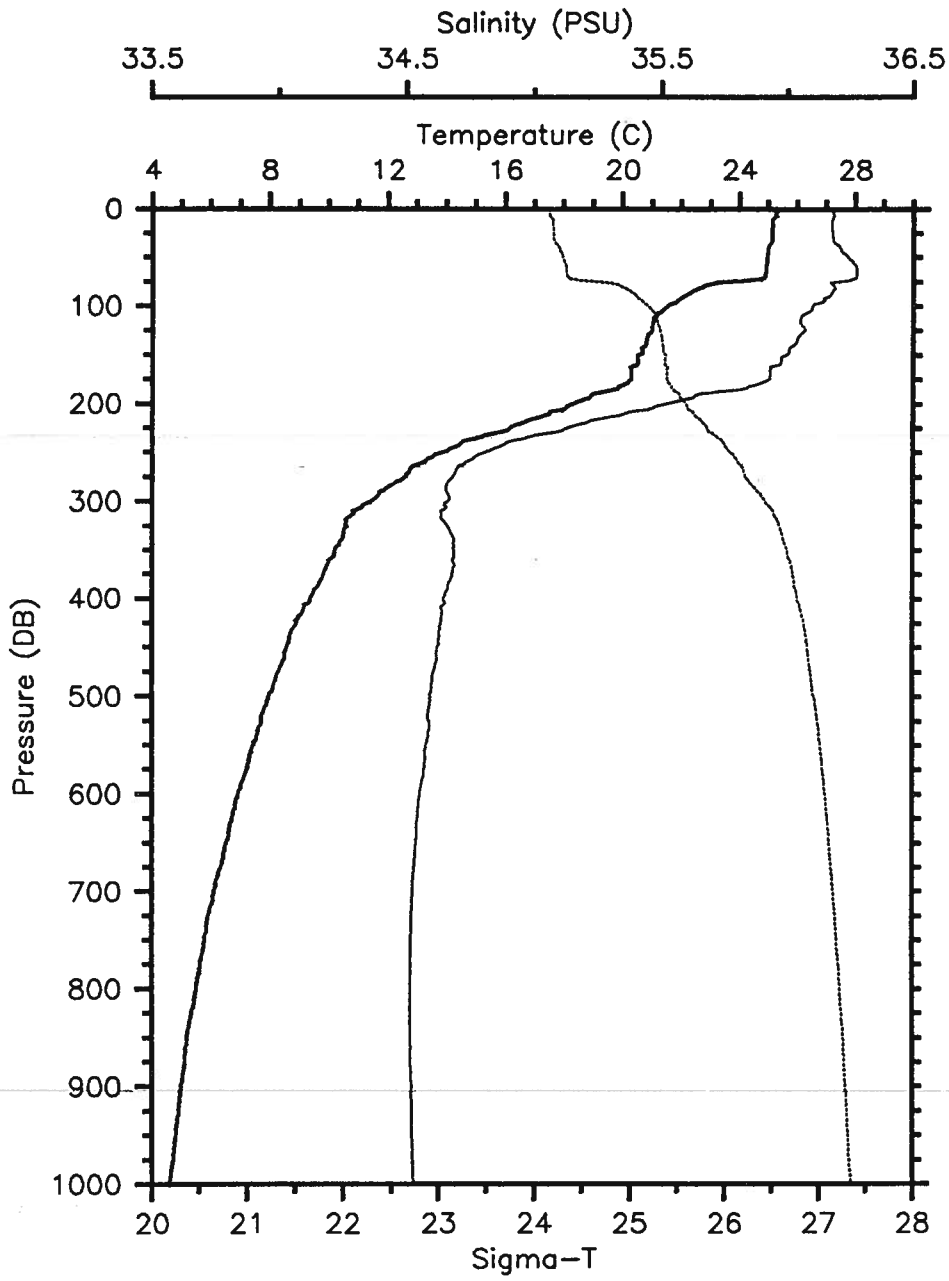


Prs	Tem	Sal	SigT
0	25.45	36.138	24.06
20	25.46	36.137	24.06
40	25.47	36.137	24.06
60	25.47	36.137	24.06
80	22.75	36.162	24.89
100	21.88	36.108	25.10
120	21.43	36.120	25.23
140	20.96	36.041	25.30
160	20.63	35.979	25.34
180	20.35	35.934	25.38
200	18.53	35.565	25.57
220	16.96	35.261	25.72
240	15.50	35.029	25.88
260	13.43	34.795	26.15
280	12.12	34.692	26.33
300	11.40	34.675	26.45
320	10.77	34.680	26.57
340	10.30	34.671	26.64
360	9.81	34.659	26.72
380	9.31	34.635	26.78
400	9.02	34.625	26.82
450	8.46	34.622	26.91
500	7.87	34.592	26.97
550	7.13	34.551	27.05
600	6.71	34.536	27.09
650	6.27	34.524	27.14
700	5.97	34.517	27.17
750	5.67	34.514	27.21
800	5.41	34.511	27.24
850	5.16	34.513	27.27
900	4.88	34.516	27.31
950	4.66	34.521	27.33
1000	4.42	34.526	27.36
1500	2.95	34.596	27.57
2000	2.18	34.647	27.67

EPOCS EP1-86-OC CTD 29 OCEANOGRAPHER

Date 04 27 86 Latitude 14.998 S

Time 1927 Z Longitude 109.007 W

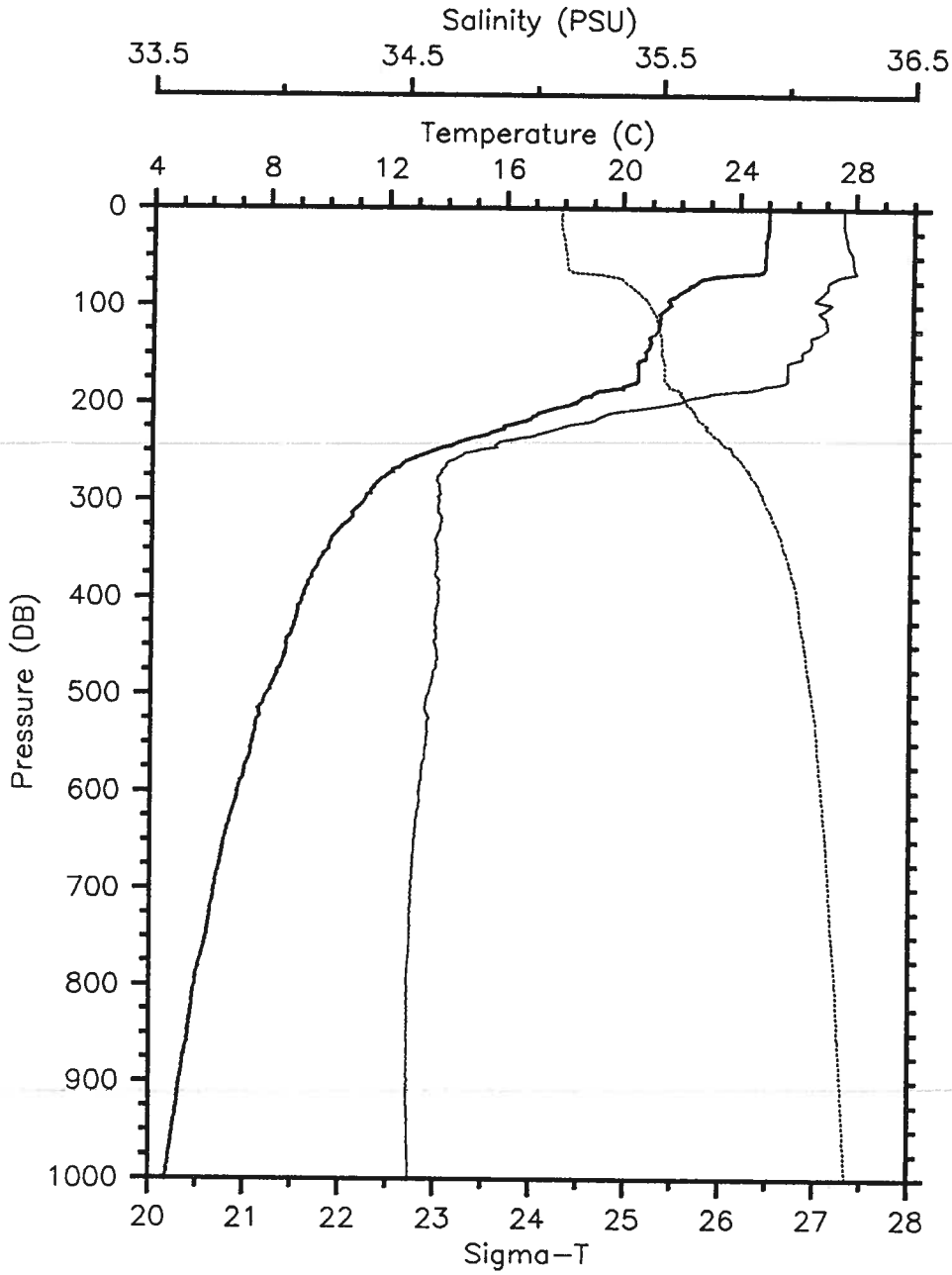


Prs	Tem	Sal	SigT
0	25.29	36.183	24.15
10	25.16	36.179	24.18
20	25.13	36.177	24.19
30	25.12	36.180	24.20
40	25.00	36.208	24.26
50	24.96	36.241	24.29
60	24.93	36.274	24.33
70	24.89	36.276	24.34
80	22.77	36.187	24.90
90	22.11	36.165	25.07
100	21.54	36.101	25.18
110	21.15	36.056	25.26
120	21.01	36.058	25.30
130	20.87	36.048	25.33
140	20.78	36.028	25.34
150	20.55	35.993	25.37
160	20.50	35.969	25.37
170	20.31	35.930	25.39
180	20.06	35.880	25.42
190	19.00	35.647	25.52
200	18.30	35.512	25.59
210	17.52	35.358	25.66
220	16.58	35.203	25.77
230	15.66	35.060	25.87
240	14.54	34.889	25.99
250	13.90	34.808	26.06
260	13.22	34.729	26.14
270	12.74	34.690	26.20
280	12.34	34.662	26.26
290	11.75	34.658	26.37
300	11.44	34.661	26.43
350	10.23	34.684	26.67
400	9.39	34.645	26.78
450	8.58	34.620	26.89
500	7.99	34.593	26.96
550	7.45	34.575	27.02
600	6.95	34.552	27.07
650	6.55	34.537	27.12
700	6.15	34.525	27.16
750	5.81	34.518	27.20
800	5.53	34.516	27.23
850	5.20	34.515	27.27
900	5.00	34.519	27.29
950	4.82	34.521	27.32
1000	4.60	34.525	27.34

EPOCS EP1-86-OC CTD 30 OCEANOGRAPHER

Date 04 28 86 Latitude 15.010 S

Time 0257 Z Longitude 108.007 W

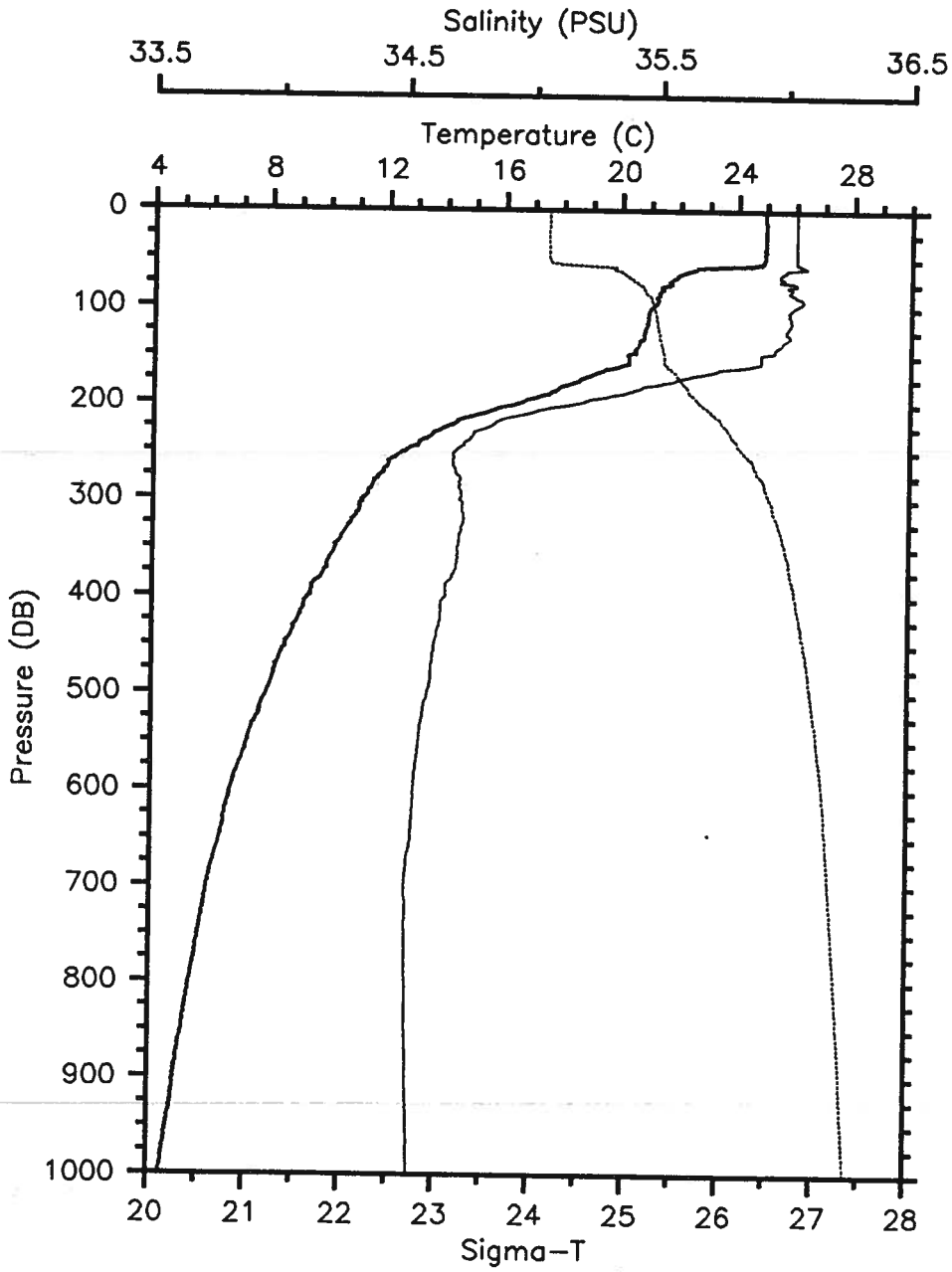


Prs	Tem	Sal	SigT
0	24.99	36.222	24.27
10	25.00	36.222	24.27
20	24.99	36.223	24.27
30	24.92	36.233	24.30
40	24.90	36.242	24.31
50	24.89	36.258	24.33
60	24.88	36.263	24.34
70	23.11	36.204	24.82
80	22.33	36.161	25.01
90	21.82	36.127	25.13
100	21.62	36.169	25.21
110	21.32	36.140	25.27
120	21.27	36.160	25.30
130	21.05	36.120	25.34
140	20.96	36.095	25.34
150	20.83	36.061	25.35
160	20.57	36.004	25.38
170	20.57	36.004	25.38
180	20.31	35.971	25.42
190	19.07	35.701	25.54
200	18.35	35.551	25.61
210	17.17	35.306	25.71
220	16.52	35.210	25.79
230	15.57	35.042	25.88
240	14.48	34.867	25.98
250	13.54	34.772	26.11
260	12.66	34.666	26.20
270	12.18	34.636	26.27
280	11.75	34.621	26.34
290	11.48	34.631	26.40
300	11.25	34.631	26.44
350	10.02	34.626	26.66
400	9.17	34.632	26.80
450	8.64	34.622	26.88
500	7.97	34.593	26.96
550	7.50	34.585	27.02
600	7.00	34.557	27.07
650	6.54	34.541	27.12
700	6.21	34.530	27.15
750	5.94	34.526	27.19
800	5.56	34.516	27.23
850	5.33	34.516	27.25
900	5.04	34.517	27.29
950	4.82	34.520	27.32
1000	4.57	34.526	27.35

EPOCS EP1-86-OC CTD 31 OCEANOGRAPHER

Date 04 28 86 Latitude 15.003 S

Time 0701 Z Longitude 107.013 W

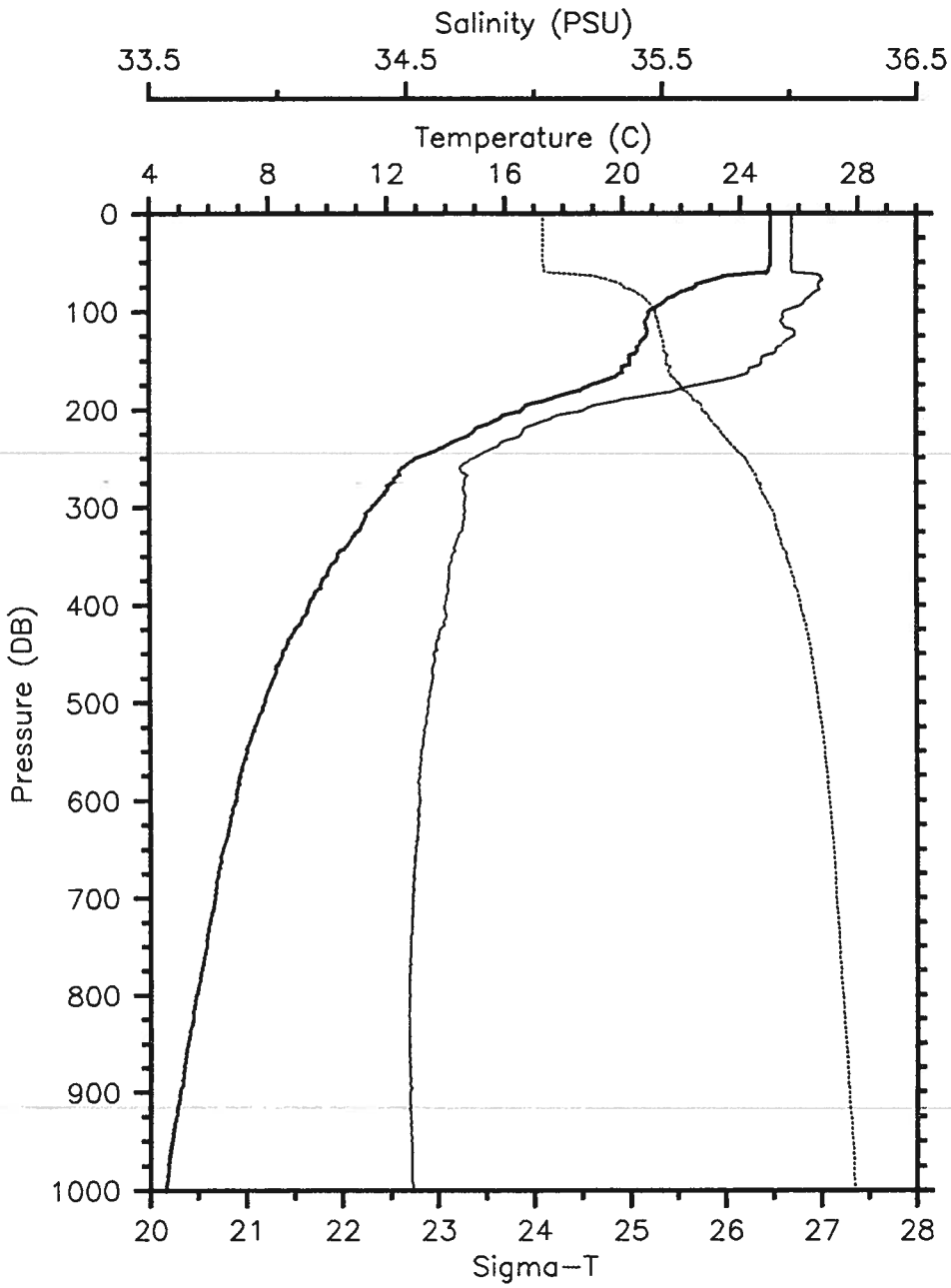


Prs	Tem	Sal	SigT
0	24.93	36.038	24.15
10	24.93	36.038	24.15
20	24.94	36.038	24.15
30	24.94	36.038	24.14
40	24.94	36.038	24.15
50	24.91	36.038	24.15
60	22.51	36.000	24.83
70	21.77	35.990	25.04
80	21.43	36.024	25.16
90	21.24	36.062	25.24
100	21.02	36.026	25.27
110	20.92	36.019	25.29
120	20.86	36.012	25.30
130	20.78	36.016	25.33
140	20.56	35.973	25.36
150	20.26	35.903	25.38
160	20.03	35.865	25.42
170	18.99	35.638	25.51
180	18.21	35.487	25.59
190	17.54	35.354	25.66
200	16.47	35.175	25.77
210	15.36	34.992	25.89
220	14.39	34.855	25.99
230	13.63	34.766	26.08
240	13.14	34.735	26.16
250	12.66	34.698	26.23
260	12.05	34.682	26.33
270	11.88	34.692	26.37
280	11.59	34.712	26.44
290	11.39	34.713	26.48
300	11.17	34.710	26.52
350	10.25	34.704	26.68
400	9.35	34.656	26.79
450	8.56	34.615	26.89
500	7.94	34.591	26.96
550	7.29	34.559	27.03
600	6.72	34.539	27.09
650	6.37	34.529	27.13
700	5.94	34.507	27.17
750	5.67	34.511	27.21
800	5.39	34.514	27.24
850	5.14	34.516	27.28
900	4.87	34.520	27.31
950	4.64	34.526	27.34
1000	4.41	34.530	27.37

EPOCS EP1-86-OC CTD 32 OCEANOGRAPHER

Date 04 28 86 Latitude 15.048 S

Time 1414 Z Longitude 106.030 W

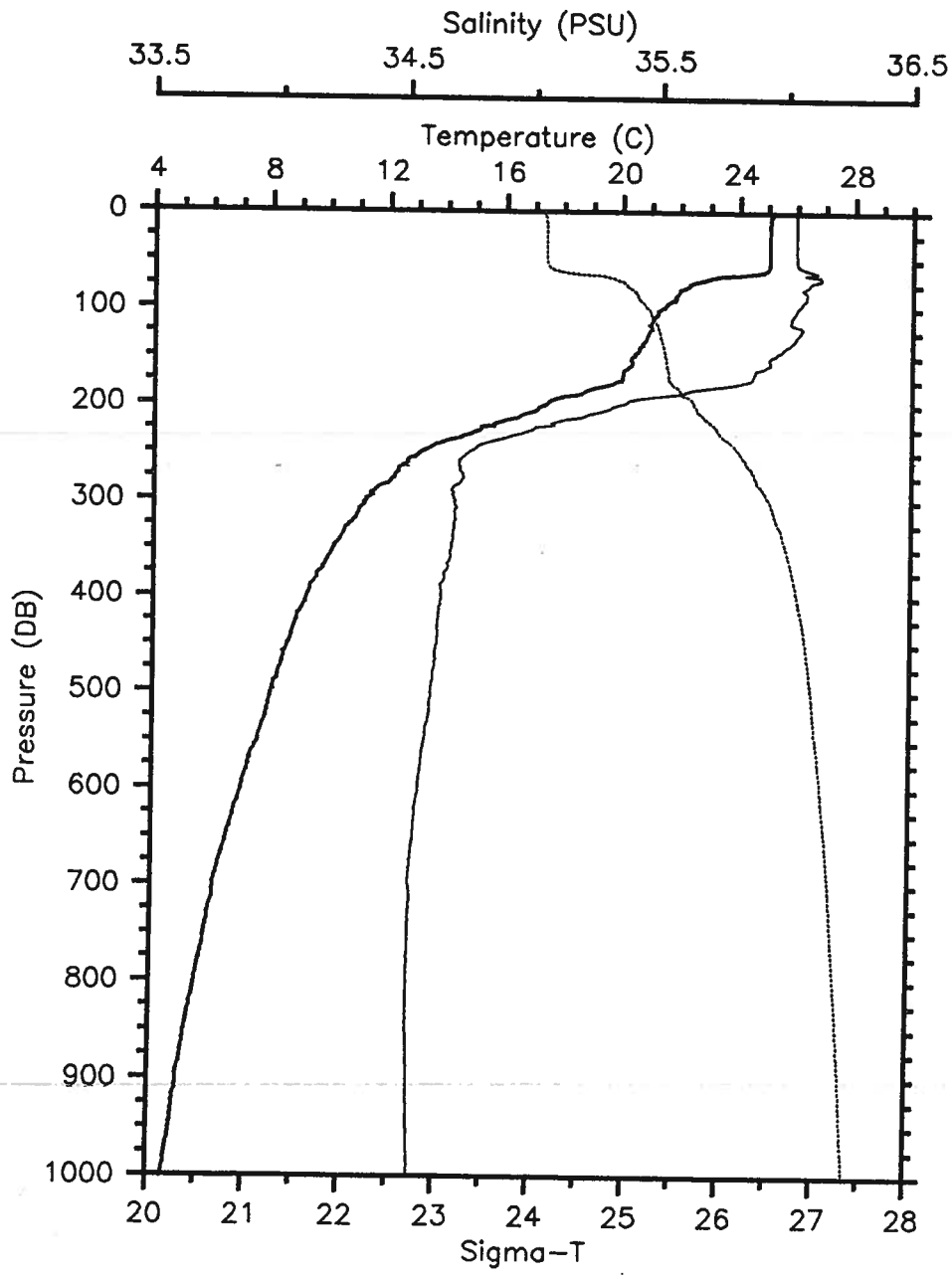


Prs	Tem	Sal	SigT
0	25.03	36.012	24.10
10	25.04	36.012	24.10
20	25.04	36.011	24.10
30	25.04	36.011	24.10
40	25.04	36.011	24.10
50	25.04	36.009	24.09
60	24.93	36.014	24.13
70	22.79	36.117	24.84
80	22.01	36.105	25.06
90	21.43	36.060	25.18
100	20.90	35.979	25.27
110	20.77	35.967	25.30
120	20.84	36.024	25.32
130	20.63	35.986	25.35
140	20.49	35.951	25.36
150	20.23	35.892	25.38
160	20.00	35.843	25.41
170	19.40	35.740	25.49
180	18.61	35.560	25.55
190	17.51	35.349	25.66
200	16.61	35.200	25.76
210	15.81	35.065	25.84
220	15.05	34.961	25.93
230	14.51	34.917	26.02
240	13.82	34.840	26.10
250	13.02	34.768	26.21
260	12.51	34.710	26.27
270	12.27	34.732	26.33
280	12.04	34.722	26.37
290	11.81	34.730	26.42
300	11.52	34.729	26.47
350	10.35	34.678	26.64
400	9.36	34.650	26.79
450	8.47	34.606	26.89
500	7.87	34.585	26.97
550	7.26	34.555	27.03
600	6.88	34.550	27.08
650	6.46	34.534	27.13
700	6.19	34.523	27.15
750	5.90	34.516	27.18
800	5.54	34.513	27.23
850	5.26	34.509	27.26
900	5.00	34.513	27.29
950	4.72	34.518	27.32
1000	4.51	34.524	27.35

EPOCS EP1-86-OC CTD 33 OCEANOGRAPHER

Date 04 28 86 Latitude 15.010 S

Time 1915 Z Longitude 105.023 W

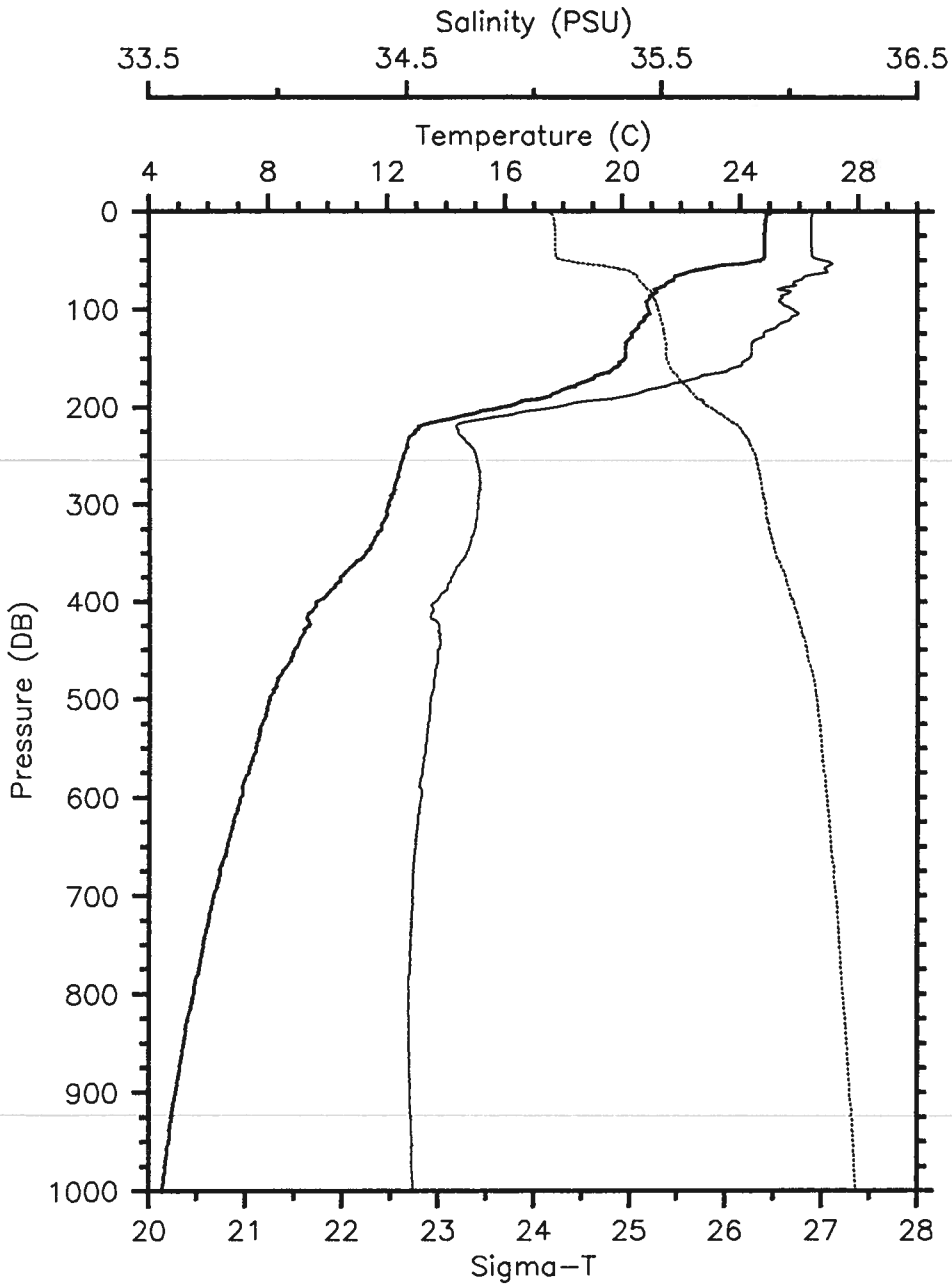


Prs	Tem	Sal	SigT
0	25.16	36.032	24.07
10	25.05	36.035	24.11
20	25.04	36.035	24.11
30	25.03	36.035	24.12
40	25.03	36.035	24.12
50	25.03	36.036	24.12
60	24.87	36.098	24.21
70	22.78	36.131	24.86
80	22.00	36.058	25.02
90	21.81	36.075	25.09
100	21.35	36.039	25.19
110	21.06	36.016	25.25
120	21.00	36.058	25.30
130	20.83	36.035	25.33
140	20.60	35.993	25.36
150	20.35	35.934	25.38
160	20.25	35.918	25.40
170	20.02	35.864	25.42
180	19.45	35.738	25.47
190	18.48	35.533	25.56
200	17.37	35.336	25.68
210	16.64	35.216	25.77
220	15.67	35.066	25.88
230	14.87	34.946	25.96
240	13.83	34.813	26.08
250	13.12	34.740	26.17
260	12.66	34.702	26.23
270	12.32	34.708	26.30
280	12.06	34.710	26.35
290	11.53	34.673	26.42
300	11.26	34.687	26.49
350	10.14	34.674	26.67
400	9.24	34.633	26.79
450	8.60	34.618	26.88
500	8.04	34.594	26.95
550	7.58	34.572	27.00
600	7.04	34.548	27.06
650	6.53	34.529	27.11
700	6.12	34.516	27.16
750	5.84	34.515	27.19
800	5.54	34.512	27.22
850	5.21	34.513	27.26
900	4.95	34.520	27.30
950	4.76	34.523	27.32
1000	4.53	34.529	27.36

EPOCS EP1-86-OC CTD 34 OCEANOGRAPHER

Date 04 29 86 Latitude 15.000 S

Time 0129 Z Longitude 104.007 W

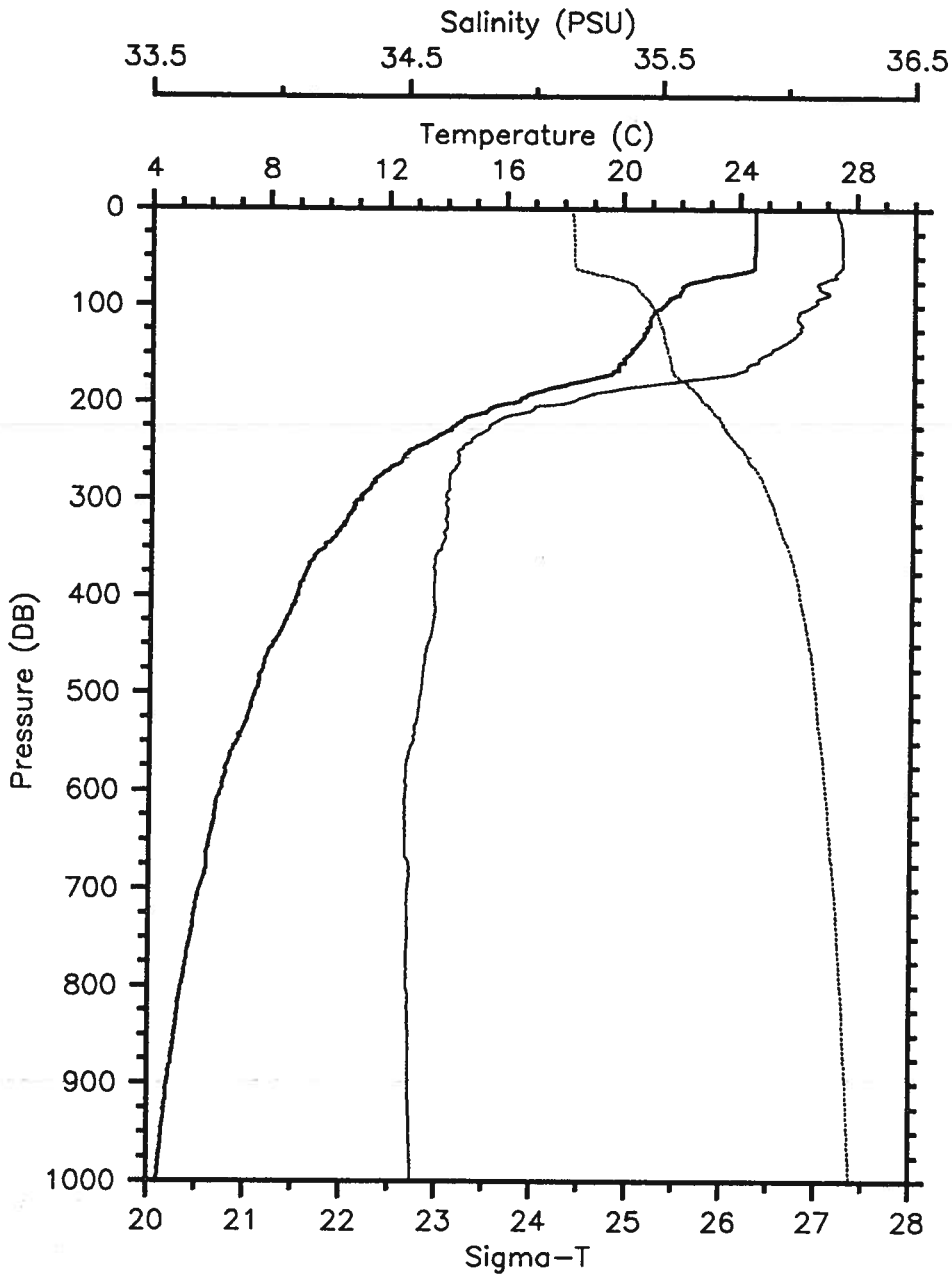


Prs	Tem	Sal	SigT
0	25.10	36.092	24.14
10	24.85	36.084	24.21
20	24.83	36.084	24.22
30	24.82	36.085	24.22
40	24.81	36.085	24.22
50	24.70	36.122	24.28
60	22.48	36.145	24.95
70	21.76	36.045	25.08
80	21.12	35.952	25.19
90	20.89	35.961	25.26
100	20.89	36.010	25.30
110	20.76	36.003	25.33
120	20.47	35.935	25.35
130	20.25	35.878	25.37
140	20.11	35.850	25.38
150	20.08	35.844	25.39
160	19.73	35.776	25.43
170	19.03	35.643	25.51
180	18.15	35.494	25.61
190	17.39	35.340	25.68
200	15.86	35.080	25.84
210	14.40	34.849	25.99
220	13.08	34.693	26.14
230	12.78	34.710	26.21
240	12.68	34.748	26.26
250	12.54	34.770	26.31
260	12.42	34.779	26.34
270	12.35	34.784	26.35
280	12.25	34.784	26.37
290	12.14	34.780	26.39
300	12.04	34.777	26.41
350	11.27	34.732	26.52
400	9.63	34.612	26.71
450	8.86	34.620	26.84
500	8.04	34.592	26.95
550	7.58	34.570	27.00
600	7.07	34.554	27.06
650	6.64	34.534	27.10
700	6.19	34.523	27.15
750	5.84	34.517	27.19
800	5.50	34.510	27.23
850	5.19	34.511	27.27
900	4.91	34.514	27.30
950	4.67	34.522	27.33
1000	4.45	34.529	27.36

EPOCS EP1-86-OC CTD 35 OCEANOGRAPHER

Date 04 29 86 Latitude 15.003 S

Time 0559 Z Longitude 103.003 W

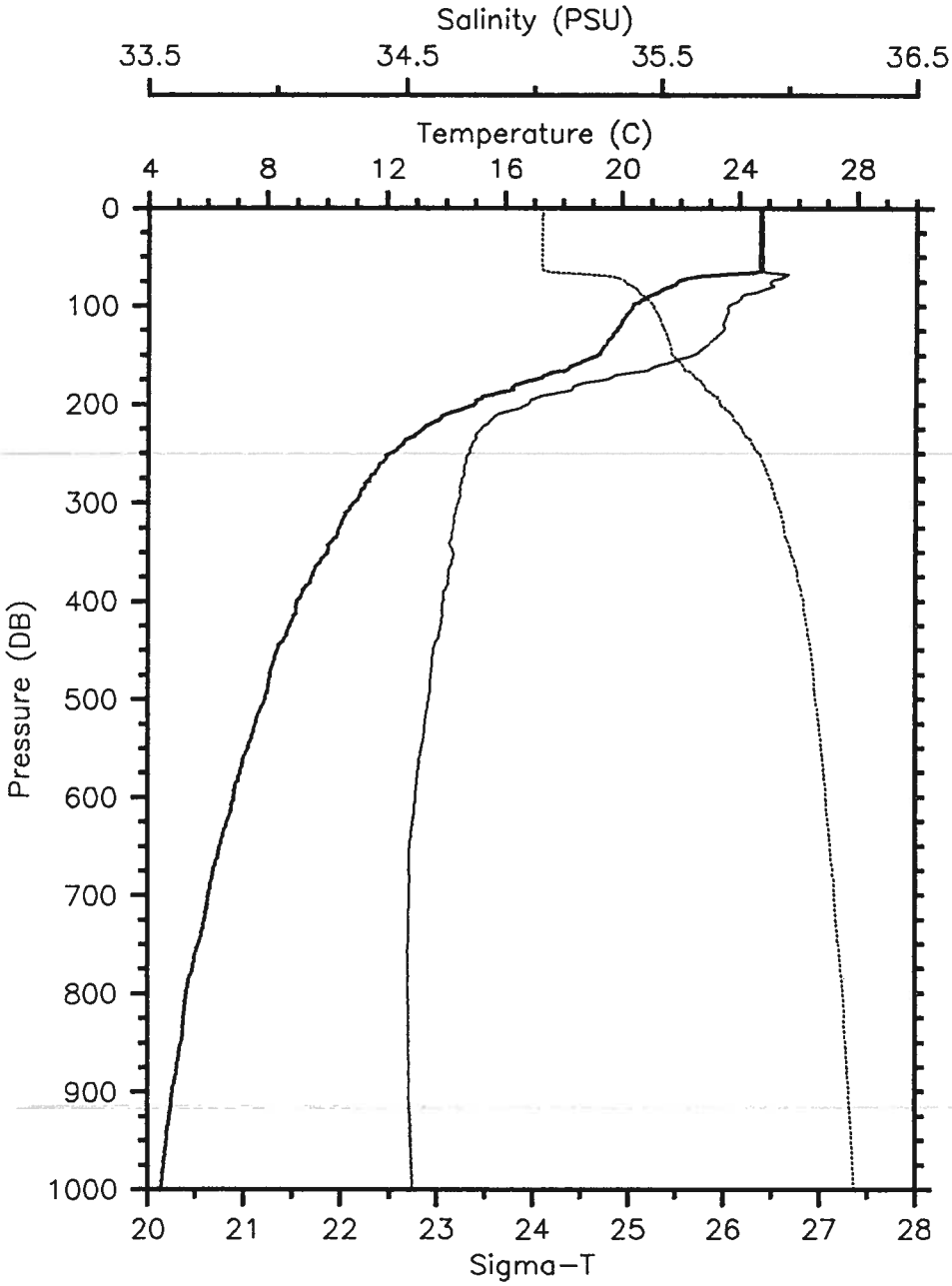


Prs	Tem	Sal	SigT
0	24.56	36.196	24.38
10	24.53	36.199	24.39
20	24.54	36.211	24.40
30	24.54	36.214	24.40
40	24.52	36.214	24.41
50	24.52	36.215	24.41
60	24.51	36.215	24.41
70	23.13	36.195	24.80
80	22.06	36.126	25.06
90	21.78	36.140	25.15
100	21.37	36.092	25.22
110	21.01	36.040	25.29
120	20.93	36.059	25.32
130	20.75	36.036	25.35
140	20.50	35.979	25.38
150	20.21	35.913	25.40
160	19.91	35.851	25.44
170	19.63	35.784	25.46
180	18.21	35.499	25.60
190	17.03	35.250	25.70
200	16.32	35.138	25.78
210	15.34	34.977	25.88
220	14.50	34.853	25.97
230	14.01	34.803	26.03
240	13.43	34.750	26.11
250	12.76	34.700	26.21
260	12.49	34.700	26.26
270	12.03	34.686	26.34
280	11.57	34.664	26.41
290	11.36	34.666	26.45
300	11.13	34.663	26.49
350	9.89	34.638	26.69
400	8.95	34.609	26.82
450	8.17	34.585	26.92
500	7.57	34.560	26.99
550	6.97	34.530	27.05
600	6.41	34.503	27.11
650	6.04	34.502	27.15
700	5.74	34.513	27.20
750	5.43	34.514	27.24
800	5.12	34.511	27.27
850	4.90	34.519	27.31
900	4.66	34.520	27.33
950	4.49	34.525	27.36
1000	4.32	34.531	27.38

EPOCS EP1-86-OC CTD 36 OCEANOGRAPHER

Date 04 29 86 Latitude 15.002 S

Time 1422 Z Longitude 102.010 W

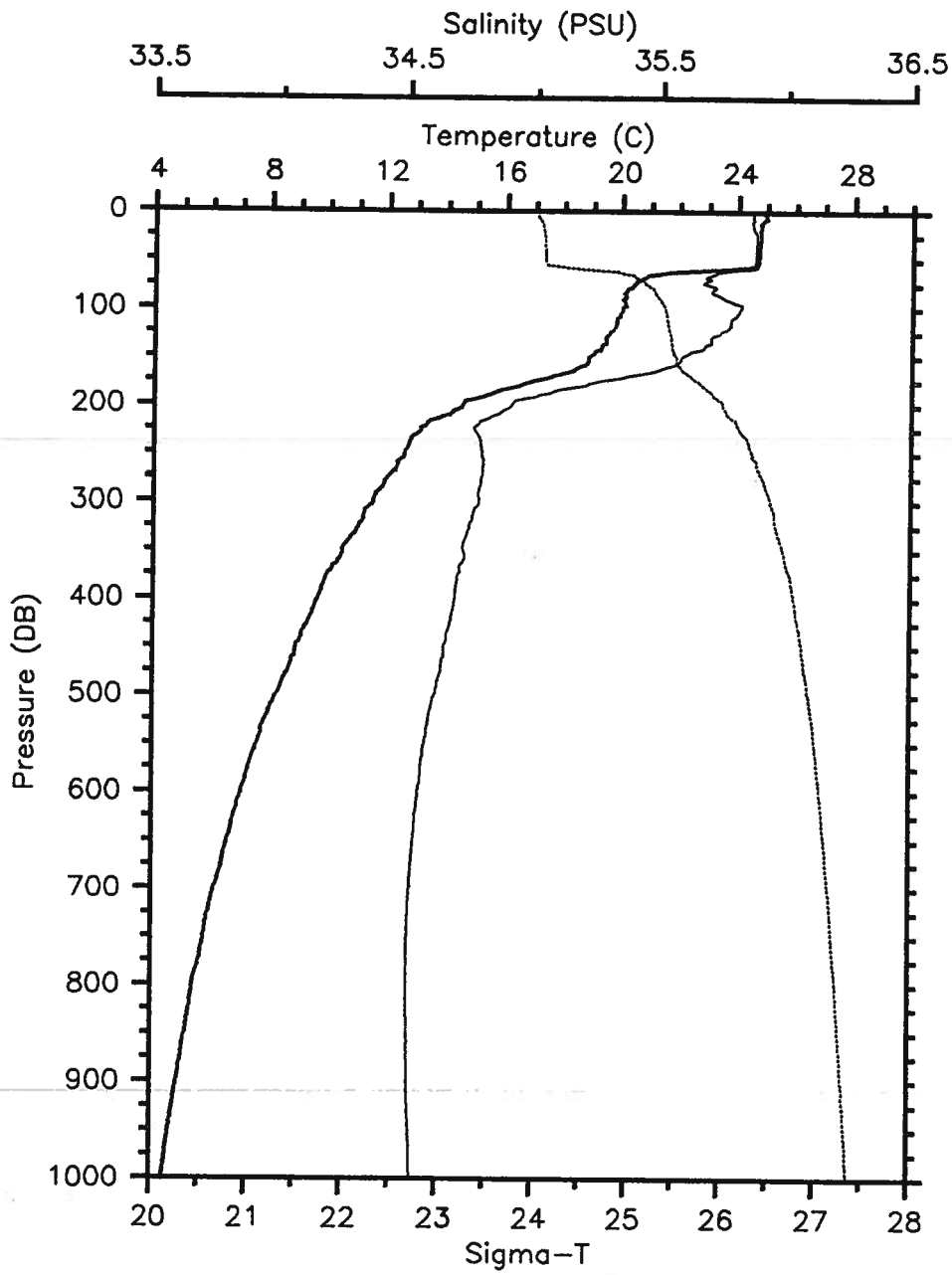


Prs	Tem	Sal	SigT
0	24.76	35.887	24.09
10	24.76	35.886	24.08
20	24.76	35.886	24.08
30	24.77	35.886	24.08
40	24.77	35.886	24.08
50	24.77	35.885	24.08
60	24.77	35.885	24.08
70	22.62	35.983	24.79
80	21.68	35.942	25.02
90	20.90	35.816	25.14
100	20.36	35.765	25.25
110	20.15	35.758	25.30
120	19.94	35.748	25.35
130	19.70	35.724	25.39
140	19.44	35.684	25.43
150	19.18	35.626	25.45
160	18.39	35.495	25.55
170	17.38	35.321	25.67
180	16.39	35.173	25.79
190	15.65	35.063	25.88
200	14.98	34.975	25.96
210	14.03	34.860	26.07
220	13.53	34.823	26.15
230	13.02	34.775	26.21
240	12.57	34.759	26.29
250	12.16	34.749	26.36
260	11.80	34.733	26.42
270	11.62	34.727	26.45
280	11.31	34.715	26.50
290	11.15	34.711	26.52
300	10.93	34.705	26.56
350	10.04	34.686	26.70
400	9.01	34.644	26.84
450	8.36	34.609	26.91
500	7.95	34.590	26.96
550	7.39	34.561	27.02
600	6.92	34.540	27.07
650	6.44	34.520	27.12
700	6.07	34.518	27.16
750	5.73	34.512	27.20
800	5.32	34.513	27.25
850	5.13	34.516	27.28
900	4.84	34.517	27.31
950	4.64	34.524	27.34
1000	4.44	34.530	27.37

EPOCS EP1-86-OC CTD 37 OCEANOGRAPHER

Date 04 29 86 Latitude 15.005 S

Time 2021 Z Longitude 101.018 W

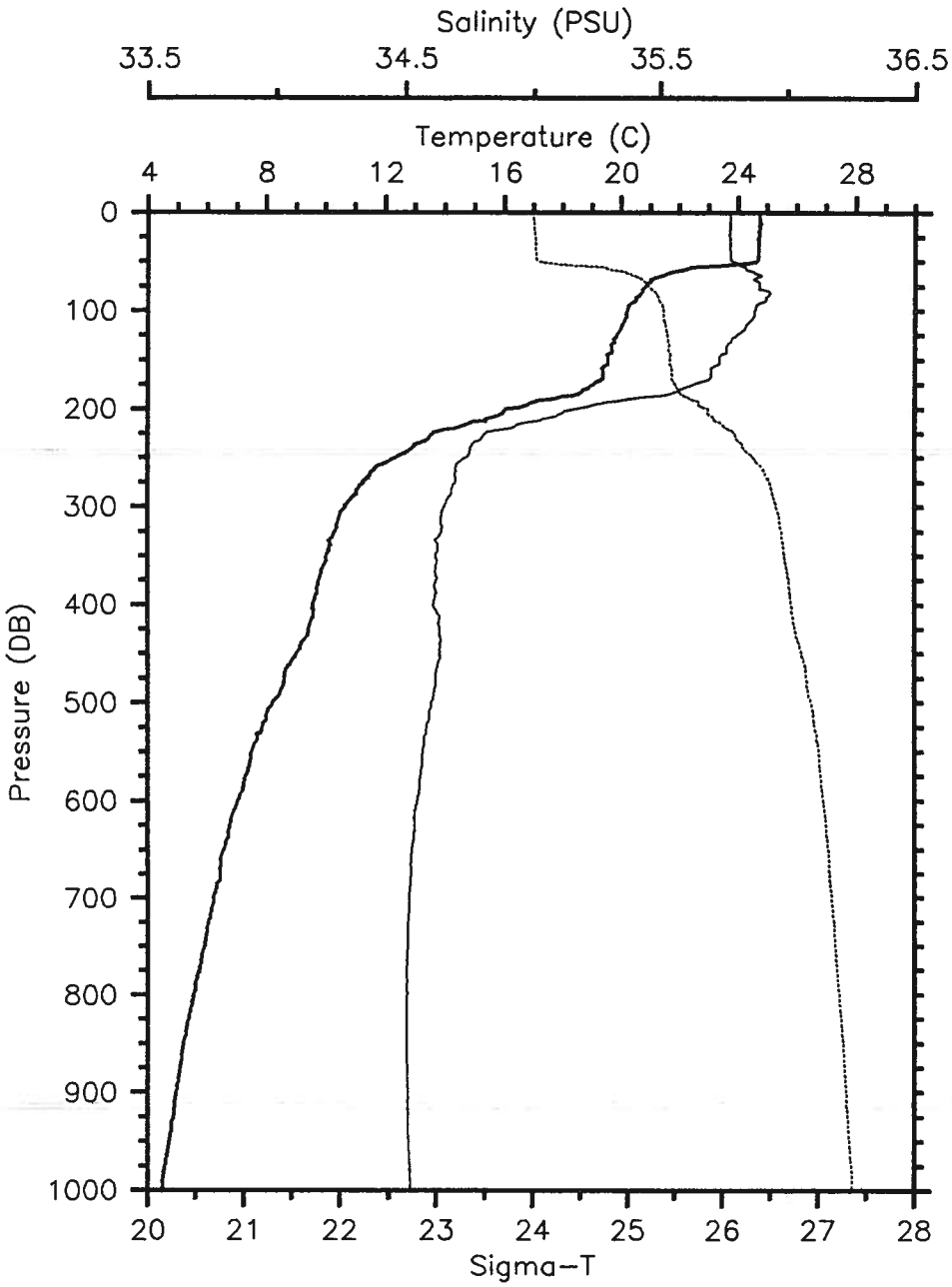


Prs	Tem	Sal	SigT
0	24.92	35.863	24.02
10	24.84	35.862	24.04
20	24.75	35.869	24.07
30	24.74	35.878	24.09
40	24.70	35.877	24.10
50	24.69	35.876	24.10
60	22.95	35.787	24.55
70	20.68	35.700	25.11
80	20.22	35.715	25.25
90	20.07	35.756	25.32
100	20.03	35.819	25.38
110	19.84	35.785	25.40
120	19.73	35.769	25.42
130	19.43	35.702	25.45
140	19.32	35.675	25.46
150	18.87	35.584	25.50
160	18.58	35.535	25.54
170	17.58	35.369	25.66
180	16.50	35.200	25.79
190	15.40	35.018	25.90
200	14.53	34.908	26.00
210	14.11	34.854	26.05
220	13.32	34.778	26.16
230	13.00	34.774	26.22
240	12.73	34.787	26.28
250	12.58	34.791	26.32
260	12.35	34.796	26.36
270	12.16	34.794	26.40
280	11.90	34.788	26.44
290	11.63	34.779	26.49
300	11.52	34.782	26.51
350	10.49	34.721	26.65
400	9.65	34.688	26.77
450	8.90	34.646	26.86
500	8.24	34.612	26.93
550	7.59	34.573	27.00
600	7.07	34.551	27.06
650	6.59	34.533	27.11
700	6.15	34.518	27.15
750	5.79	34.511	27.19
800	5.43	34.510	27.24
850	5.18	34.512	27.27
900	4.89	34.513	27.30
950	4.64	34.522	27.34
1000	4.43	34.527	27.36

EPOCS EP1-86-OC CTD 38 OCEANOGRAPHER

Date 04 30 86 Latitude 15.007 S

Time 0102 Z Longitude 100.000 W

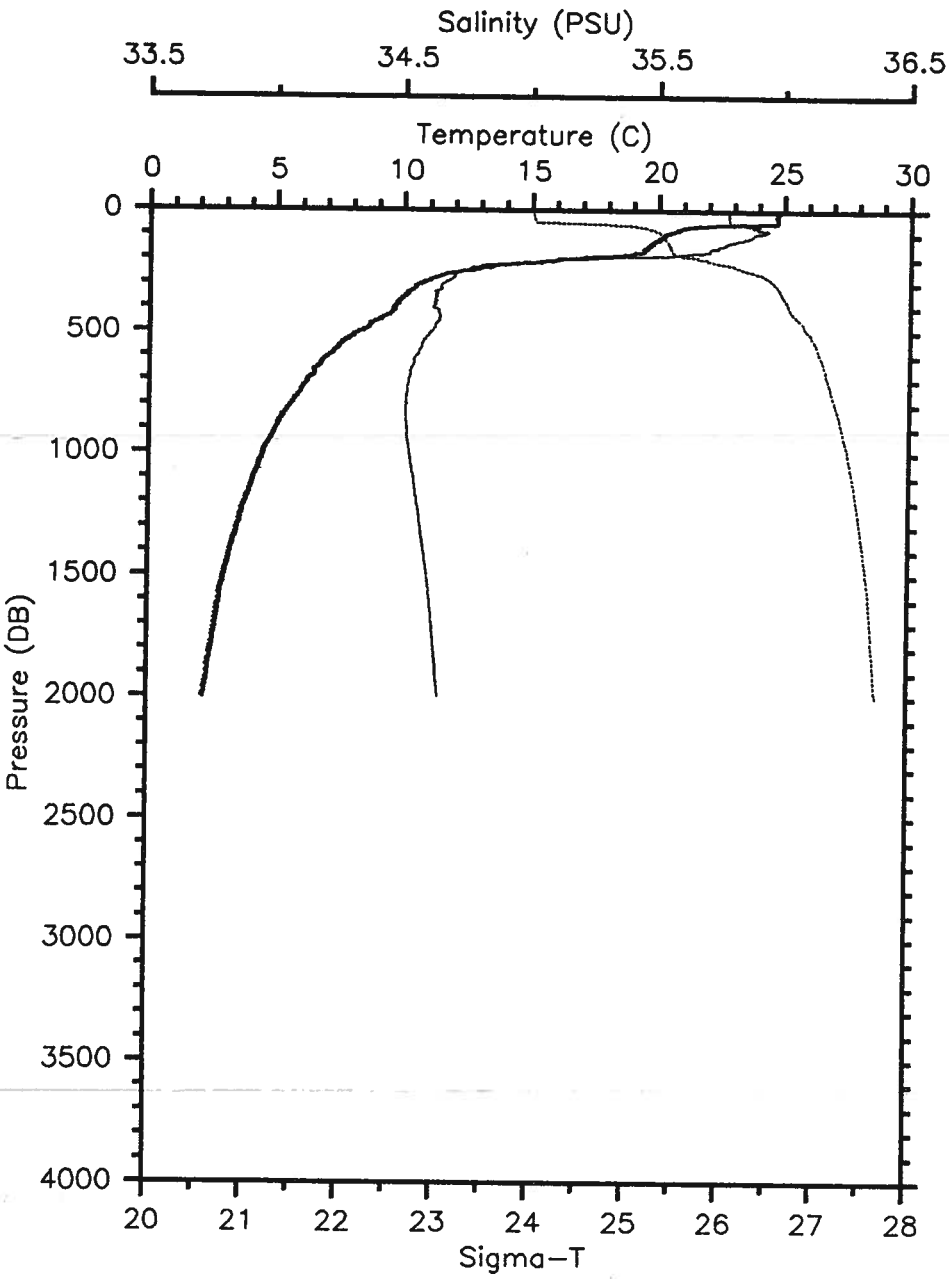


Prs	Tem	Sal	SigT
0	24.75	35.777	24.01
10	24.76	35.776	24.00
20	24.73	35.776	24.01
30	24.70	35.778	24.02
40	24.70	35.779	24.02
50	24.64	35.785	24.05
60	21.79	35.869	24.94
70	21.02	35.886	25.16
80	20.74	35.928	25.27
90	20.47	35.916	25.34
100	20.21	35.875	25.38
110	20.13	35.861	25.38
120	19.96	35.827	25.41
130	19.77	35.783	25.42
140	19.68	35.764	25.43
150	19.54	35.737	25.45
160	19.39	35.704	25.46
170	19.32	35.690	25.47
180	18.74	35.582	25.53
190	17.63	35.381	25.66
200	16.10	35.163	25.85
210	15.41	35.040	25.91
220	14.38	34.911	26.04
230	13.48	34.798	26.14
240	12.93	34.754	26.22
250	12.35	34.738	26.32
260	11.70	34.698	26.41
270	11.44	34.697	26.46
280	11.15	34.685	26.50
290	10.93	34.671	26.53
300	10.68	34.654	26.56
350	10.04	34.621	26.65
400	9.59	34.612	26.72
450	9.02	34.637	26.83
500	8.25	34.605	26.93
550	7.51	34.570	27.01
600	7.06	34.549	27.06
650	6.58	34.530	27.11
700	6.24	34.520	27.14
750	5.93	34.516	27.18
800	5.55	34.510	27.22
850	5.21	34.511	27.26
900	4.96	34.514	27.29
950	4.72	34.517	27.32
1000	4.48	34.524	27.36

EPOCS EP1-86-OC CTD 38 OCEANOGRAPHER

Date 04 30 86 Latitude 15.007 S

Time 0102 Z Longitude 100.000 W

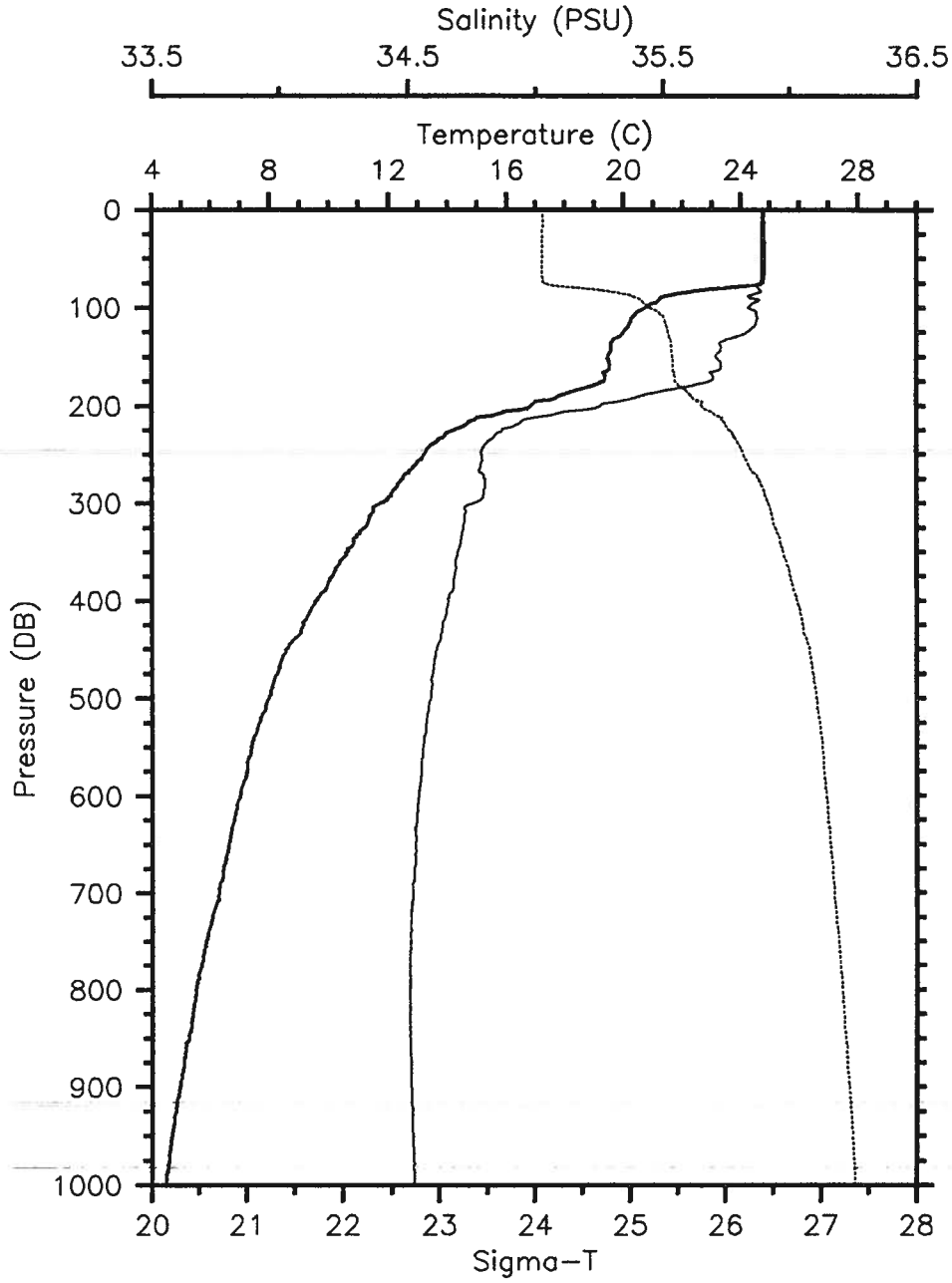


Prs	Tem	Sal	SigT
0	24.75	35.777	24.01
20	24.73	35.776	24.01
40	24.70	35.779	24.02
60	21.79	35.869	24.94
80	20.74	35.928	25.27
100	20.21	35.875	25.38
120	19.96	35.827	25.41
140	19.68	35.764	25.43
160	19.39	35.704	25.46
180	18.74	35.582	25.53
200	16.10	35.163	25.85
220	14.38	34.911	26.04
240	12.93	34.754	26.22
260	11.70	34.698	26.41
280	11.15	34.685	26.50
300	10.68	34.654	26.56
320	10.39	34.646	26.61
340	10.16	34.629	26.63
360	9.95	34.622	26.67
380	9.75	34.616	26.70
400	9.59	34.612	26.72
450	9.02	34.637	26.83
500	8.25	34.605	26.93
550	7.51	34.570	27.01
600	7.06	34.549	27.06
650	6.58	34.530	27.11
700	6.24	34.520	27.14
750	5.93	34.516	27.18
800	5.55	34.510	27.22
850	5.21	34.511	27.26
900	4.96	34.514	27.29
950	4.72	34.517	27.32
1000	4.48	34.524	27.36
1500	2.99	34.595	27.56
2000	2.21	34.645	27.67

EPOCS EP1-86-OC CTD 39 OCEANOGRAPHER

Date 04 30 86 Latitude 14.988 S

Time 0748 Z Longitude 99.028 W

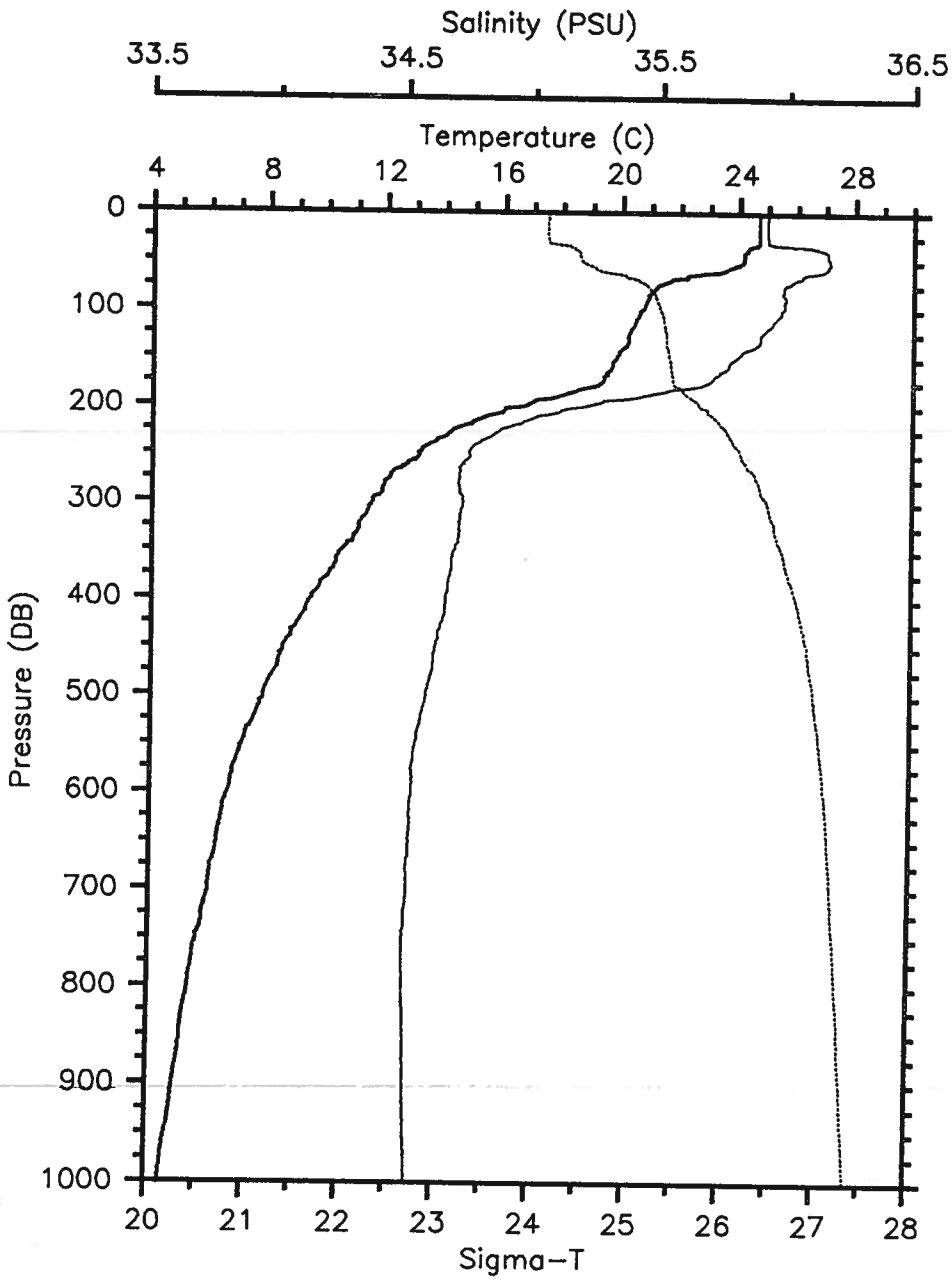


Prs	Tem	Sal	SigT
0	24.78	35.894	24.08
10	24.78	35.893	24.09
20	24.80	35.891	24.08
30	24.80	35.891	24.08
40	24.81	35.892	24.08
50	24.81	35.892	24.08
60	24.81	35.892	24.07
70	24.79	35.891	24.08
80	23.59	35.876	24.43
90	21.28	35.848	25.06
100	20.76	35.839	25.20
110	20.32	35.876	25.35
120	20.14	35.858	25.38
130	19.84	35.784	25.40
140	19.60	35.732	25.43
150	19.50	35.711	25.44
160	19.52	35.731	25.45
170	19.38	35.700	25.46
180	18.90	35.604	25.51
190	17.82	35.415	25.64
200	16.85	35.259	25.75
210	15.56	35.059	25.89
220	14.61	34.922	26.00
230	13.94	34.842	26.08
240	13.47	34.799	26.14
250	13.22	34.788	26.18
260	12.96	34.783	26.23
270	12.59	34.793	26.31
280	12.34	34.802	26.37
290	12.09	34.796	26.41
300	11.77	34.760	26.45
350	10.62	34.694	26.61
400	9.59	34.660	26.76
450	8.60	34.613	26.88
500	8.01	34.590	26.95
550	7.40	34.559	27.02
600	7.02	34.542	27.06
650	6.64	34.530	27.10
700	6.29	34.520	27.14
750	5.85	34.512	27.19
800	5.51	34.510	27.23
850	5.26	34.512	27.26
900	4.97	34.516	27.30
950	4.68	34.522	27.33
1000	4.48	34.528	27.36

EPOCS EP1-86-OC CTD 40 OCEANOGRAPHER

Date 04 30 86 Latitude 15.002 S

Time 1326 Z Longitude 97.982 W

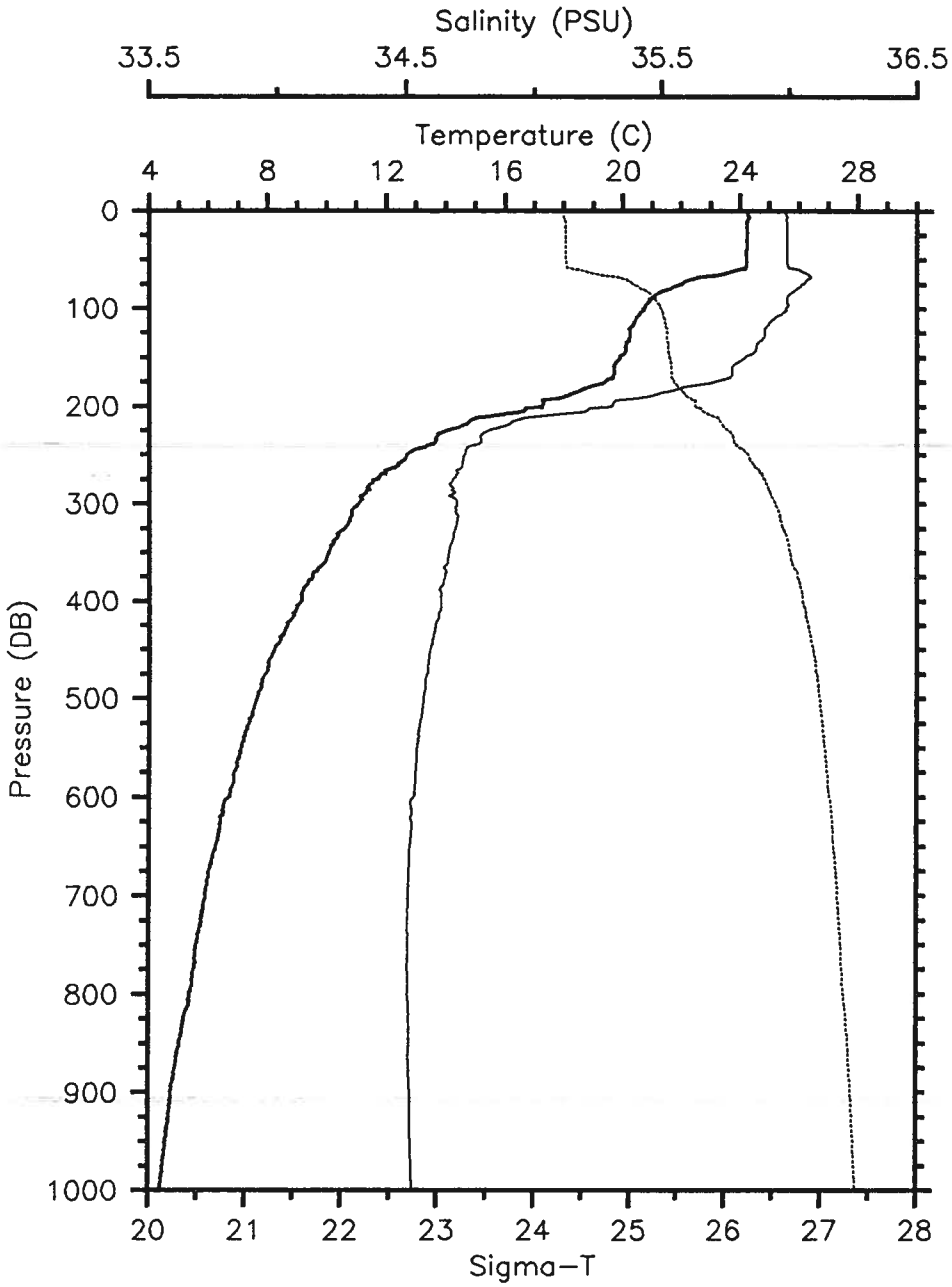


Prs	Tem	Sal	SigT
0	24.66	35.919	24.14
10	24.67	35.918	24.14
20	24.67	35.918	24.14
30	24.66	35.919	24.14
40	24.18	36.159	24.47
50	24.11	36.166	24.49
60	23.33	36.131	24.70
70	21.62	36.019	25.10
80	21.04	35.982	25.23
90	20.85	35.985	25.29
100	20.66	35.974	25.33
110	20.48	35.948	25.36
120	20.31	35.913	25.38
130	20.21	35.891	25.39
140	20.01	35.844	25.40
150	19.79	35.791	25.42
160	19.65	35.762	25.44
170	19.41	35.707	25.46
180	18.83	35.607	25.53
190	17.81	35.414	25.64
200	16.64	35.198	25.75
210	15.44	35.017	25.89
220	14.67	34.921	25.98
230	14.05	34.840	26.05
240	13.46	34.771	26.12
250	13.09	34.749	26.18
260	12.69	34.721	26.24
270	12.18	34.707	26.33
280	11.95	34.706	26.37
290	11.84	34.711	26.40
300	11.53	34.722	26.46
350	10.47	34.689	26.63
400	9.44	34.656	26.78
450	8.51	34.617	26.90
500	7.84	34.583	26.97
550	7.13	34.542	27.04
600	6.64	34.530	27.10
650	6.30	34.522	27.14
700	6.01	34.515	27.17
750	5.64	34.501	27.20
800	5.37	34.504	27.24
850	5.13	34.512	27.27
900	4.91	34.515	27.30
950	4.67	34.521	27.33
1000	4.46	34.527	27.36

EPOCS EP1-86-OC CTD 41 OCEANOGRAPHER

Date 04 30 86 Latitude 14.993 S

Time 1956 Z Longitude 97.005 W

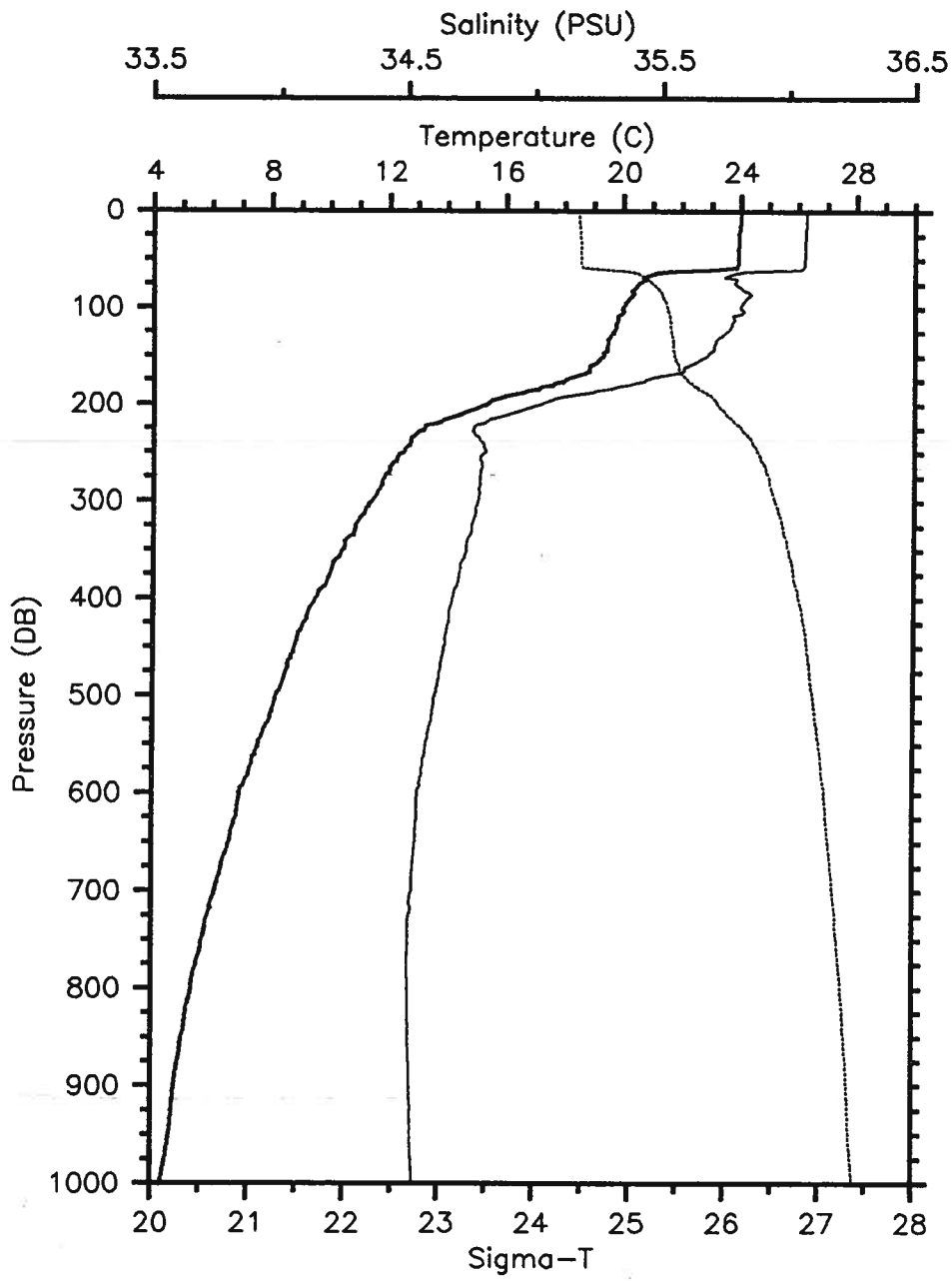


Prs	Tem	Sal	SigT
0	24.26	35.987	24.31
10	24.24	35.991	24.32
20	24.23	35.992	24.32
30	24.23	35.992	24.32
40	24.23	35.993	24.33
50	24.23	35.993	24.33
60	23.93	36.040	24.45
70	22.36	36.074	24.93
80	21.63	36.029	25.11
90	20.94	35.993	25.27
100	20.70	35.987	25.33
110	20.46	35.944	25.36
120	20.24	35.904	25.39
130	20.22	35.897	25.39
140	20.11	35.871	25.40
150	19.91	35.828	25.42
160	19.70	35.777	25.43
170	19.67	35.769	25.44
180	18.84	35.590	25.51
190	18.07	35.450	25.60
200	17.26	35.301	25.68
210	15.60	35.036	25.87
220	14.57	34.890	25.98
230	13.74	34.790	26.08
240	13.43	34.768	26.13
250	12.71	34.729	26.24
260	12.39	34.719	26.30
270	11.86	34.697	26.38
280	11.47	34.671	26.43
290	11.29	34.684	26.48
300	11.07	34.698	26.53
350	10.06	34.667	26.68
400	9.13	34.636	26.81
450	8.25	34.597	26.92
500	7.65	34.569	26.99
550	7.11	34.544	27.04
600	6.70	34.531	27.09
650	6.25	34.518	27.14
700	5.91	34.510	27.18
750	5.59	34.510	27.22
800	5.38	34.508	27.24
850	5.05	34.514	27.28
900	4.76	34.519	27.32
950	4.57	34.522	27.35
1000	4.38	34.529	27.37

EPOCS EP1-86-OC CTD 42 OCEANOGRAPHER

Date 05 01 86 Latitude 14.995 S

Time 0148 Z Longitude 95.992 W

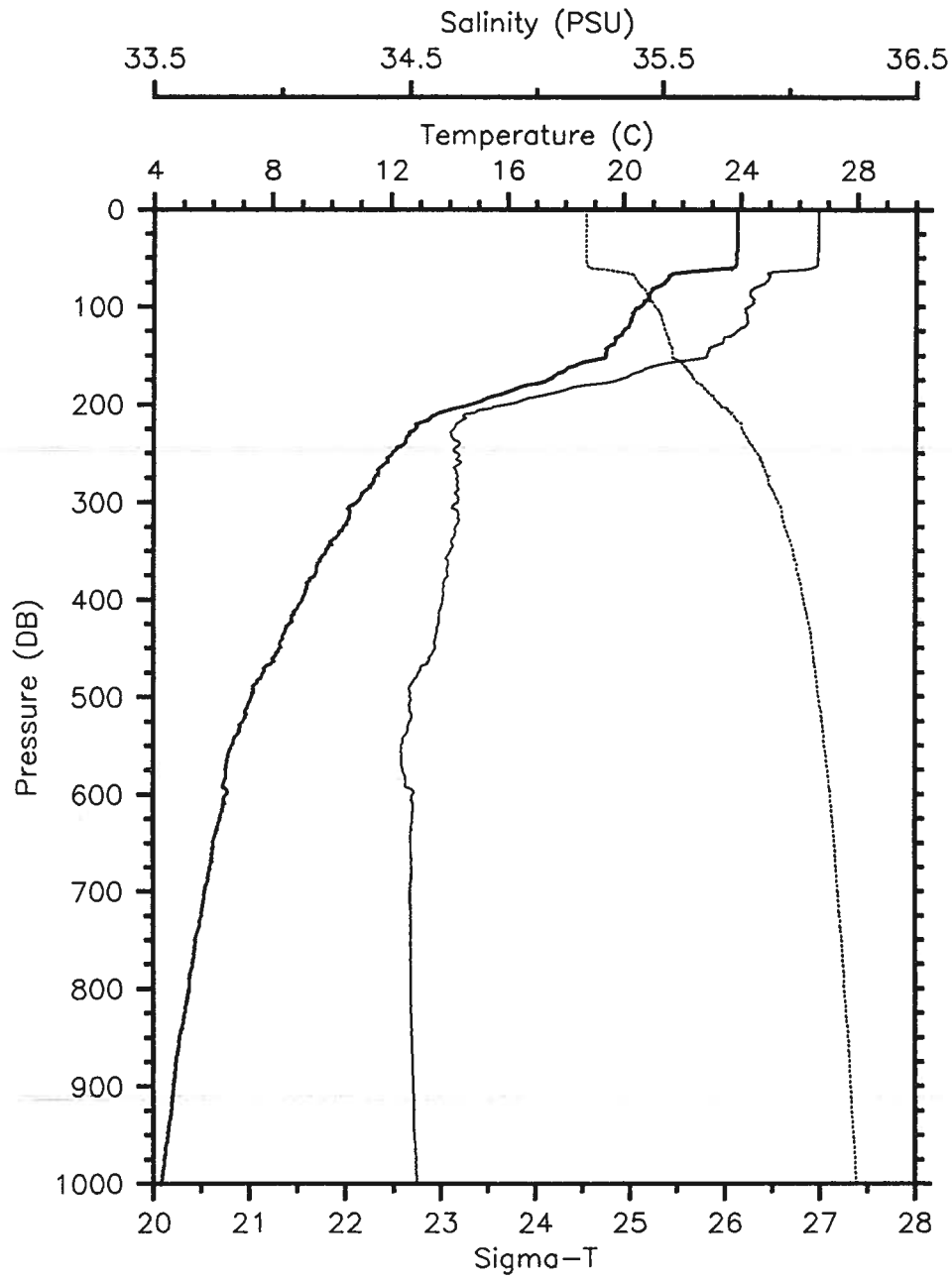


Prs	Tem	Sal	SigT
0	24.00	36.070	24.45
10	24.00	36.069	24.45
20	23.96	36.068	24.46
30	23.93	36.065	24.47
40	23.92	36.064	24.47
50	23.91	36.062	24.47
60	23.18	36.043	24.67
70	20.74	35.792	25.17
80	20.37	35.809	25.28
90	20.19	35.828	25.34
100	19.97	35.804	25.39
110	19.82	35.780	25.41
120	19.74	35.768	25.42
130	19.55	35.724	25.43
140	19.45	35.702	25.44
150	19.31	35.674	25.46
160	18.89	35.601	25.51
170	18.41	35.496	25.55
180	17.61	35.365	25.65
190	16.23	35.166	25.82
200	15.36	35.022	25.91
210	14.52	34.900	26.00
220	13.69	34.801	26.10
230	12.98	34.762	26.21
240	12.76	34.794	26.28
250	12.51	34.806	26.34
260	12.14	34.791	26.40
270	11.99	34.787	26.43
280	11.77	34.782	26.46
290	11.61	34.781	26.49
300	11.41	34.773	26.52
350	10.42	34.731	26.67
400	9.50	34.676	26.78
450	8.78	34.641	26.87
500	8.17	34.608	26.94
550	7.59	34.574	27.00
600	6.96	34.542	27.06
650	6.61	34.533	27.10
700	6.13	34.520	27.16
750	5.70	34.507	27.20
800	5.35	34.505	27.24
850	5.03	34.510	27.28
900	4.79	34.516	27.32
950	4.61	34.520	27.34
1000	4.33	34.528	27.38

EPOCS EP1-86-OC CTD 43 OCEANOGRAPHER

Date 05 01 86 Latitude 15.002 S

Time 0604 Z Longitude 94.992 W

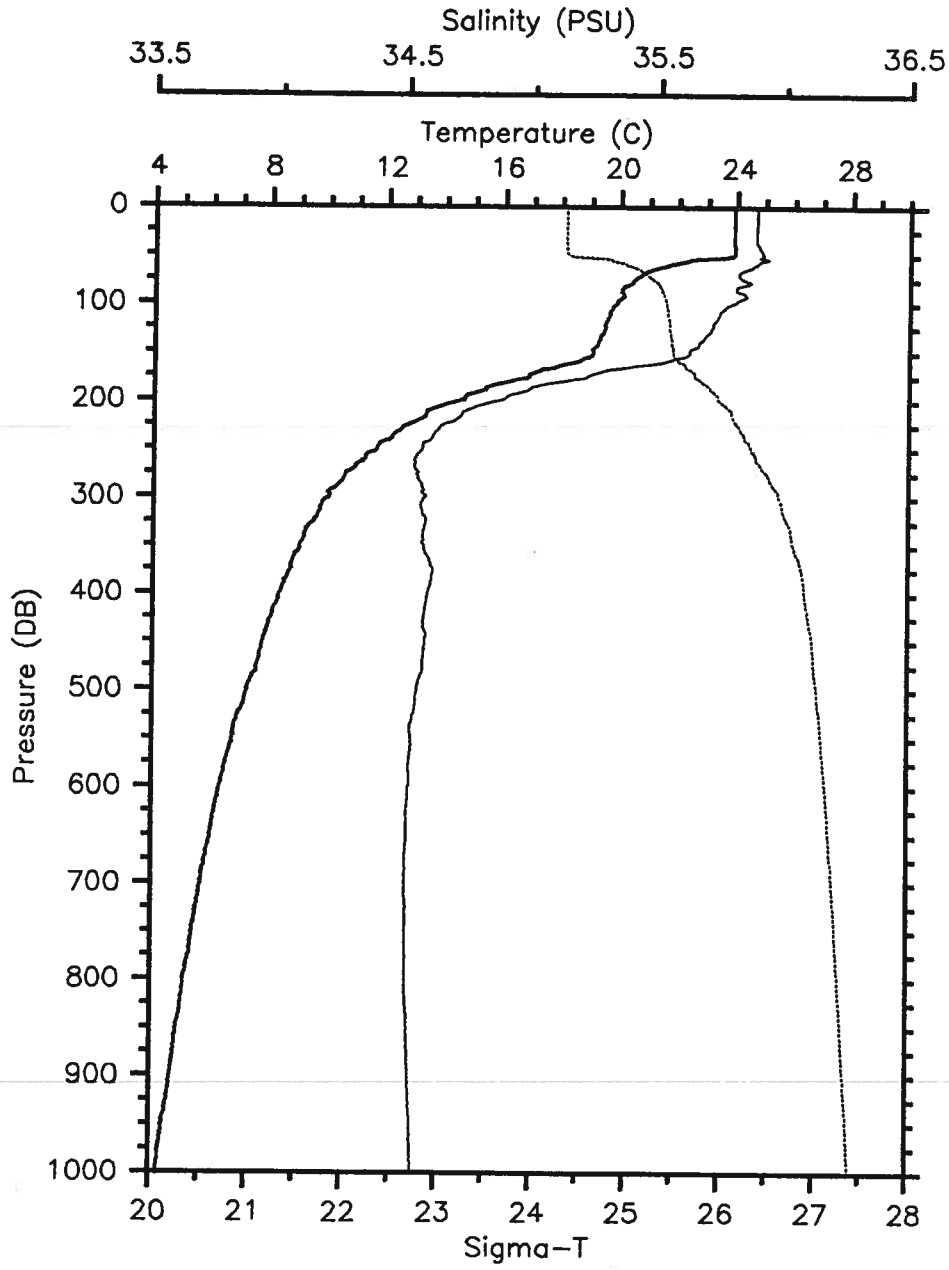


Prs	Tem	Sal	SigT
0	23.86	36.116	24.53
10	23.86	36.116	24.53
20	23.87	36.115	24.53
30	23.86	36.114	24.53
40	23.86	36.114	24.53
50	23.85	36.113	24.53
60	23.72	36.093	24.55
70	21.55	35.919	25.04
80	21.13	35.868	25.12
90	20.87	35.852	25.18
100	20.57	35.841	25.25
110	20.29	35.834	25.32
120	20.17	35.826	25.35
130	19.85	35.768	25.39
140	19.55	35.705	25.42
150	19.39	35.676	25.44
160	18.37	35.481	25.55
170	17.63	35.371	25.65
180	16.70	35.205	25.74
190	15.76	35.041	25.83
200	14.72	34.881	25.94
210	13.58	34.716	26.05
220	12.91	34.684	26.17
230	12.66	34.664	26.20
240	12.48	34.697	26.26
250	12.06	34.689	26.34
260	11.83	34.700	26.39
270	11.60	34.683	26.42
280	11.43	34.689	26.46
290	11.08	34.680	26.51
300	10.88	34.693	26.56
350	9.84	34.661	26.71
400	9.03	34.629	26.82
450	8.27	34.601	26.92
500	7.31	34.503	26.98
550	6.66	34.467	27.05
600	6.45	34.512	27.11
650	6.04	34.507	27.16
700	5.75	34.504	27.19
750	5.42	34.506	27.23
800	5.21	34.507	27.26
850	4.90	34.512	27.30
900	4.69	34.517	27.33
950	4.49	34.522	27.35
1000	4.26	34.530	27.38

EPOCS EP1-86-OC CTD 44 OCEANOGRAPHER

Date 05 01 86 Latitude 15.015 S

Time 0915 Z Longitude 94.017 W

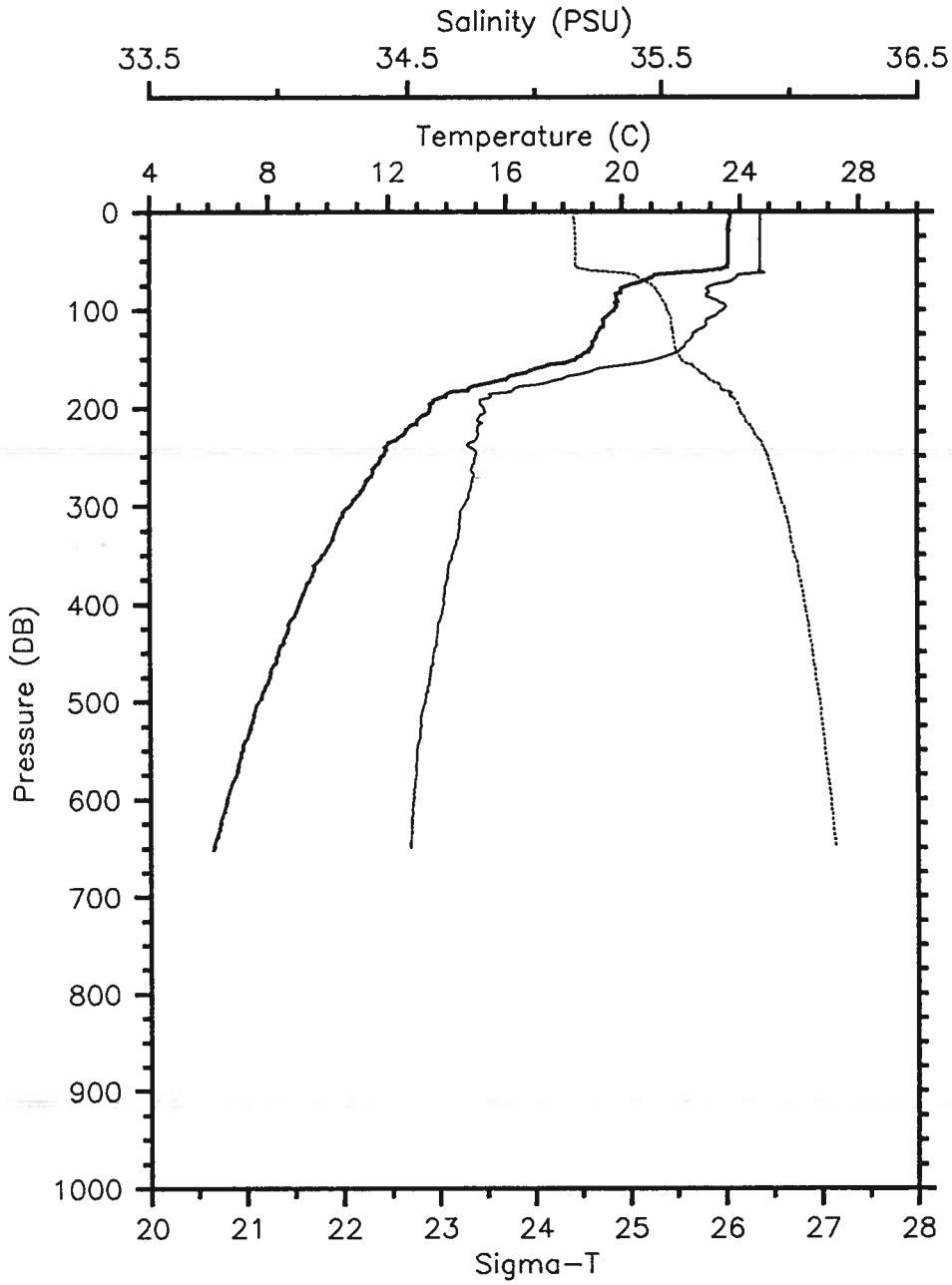


Prs	Tem	Sal	SigT
0	23.88	35.886	24.35
10	23.89	35.885	24.35
20	23.89	35.884	24.35
30	23.89	35.885	24.35
40	23.91	35.894	24.35
50	23.86	35.912	24.38
60	21.60	35.873	24.99
70	20.72	35.815	25.19
80	20.31	35.849	25.33
90	20.10	35.844	25.38
100	19.83	35.786	25.41
110	19.63	35.740	25.42
120	19.49	35.715	25.44
130	19.41	35.697	25.45
140	19.24	35.659	25.46
150	19.07	35.622	25.48
160	18.47	35.519	25.55
170	17.10	35.267	25.70
180	16.21	35.116	25.79
190	15.24	34.975	25.90
200	14.44	34.860	25.99
210	13.39	34.738	26.11
220	13.11	34.695	26.14
230	12.47	34.621	26.20
240	12.09	34.594	26.26
250	11.63	34.561	26.32
260	11.22	34.533	26.37
270	10.86	34.535	26.44
280	10.51	34.546	26.51
290	10.23	34.562	26.57
300	9.99	34.573	26.62
350	9.01	34.570	26.78
400	8.33	34.585	26.90
450	7.78	34.575	26.97
500	7.24	34.547	27.03
550	6.75	34.525	27.08
600	6.33	34.516	27.13
650	5.99	34.509	27.17
700	5.68	34.504	27.20
750	5.41	34.508	27.24
800	5.12	34.508	27.27
850	4.87	34.517	27.31
900	4.68	34.522	27.33
950	4.42	34.530	27.37
1000	4.25	34.534	27.39

EPOCS EP1-86-OC CTD 45 OCEANOGRAPHER

Date 05 01 86 Latitude 15.020 S

Time 1649 Z Longitude 93.032 W

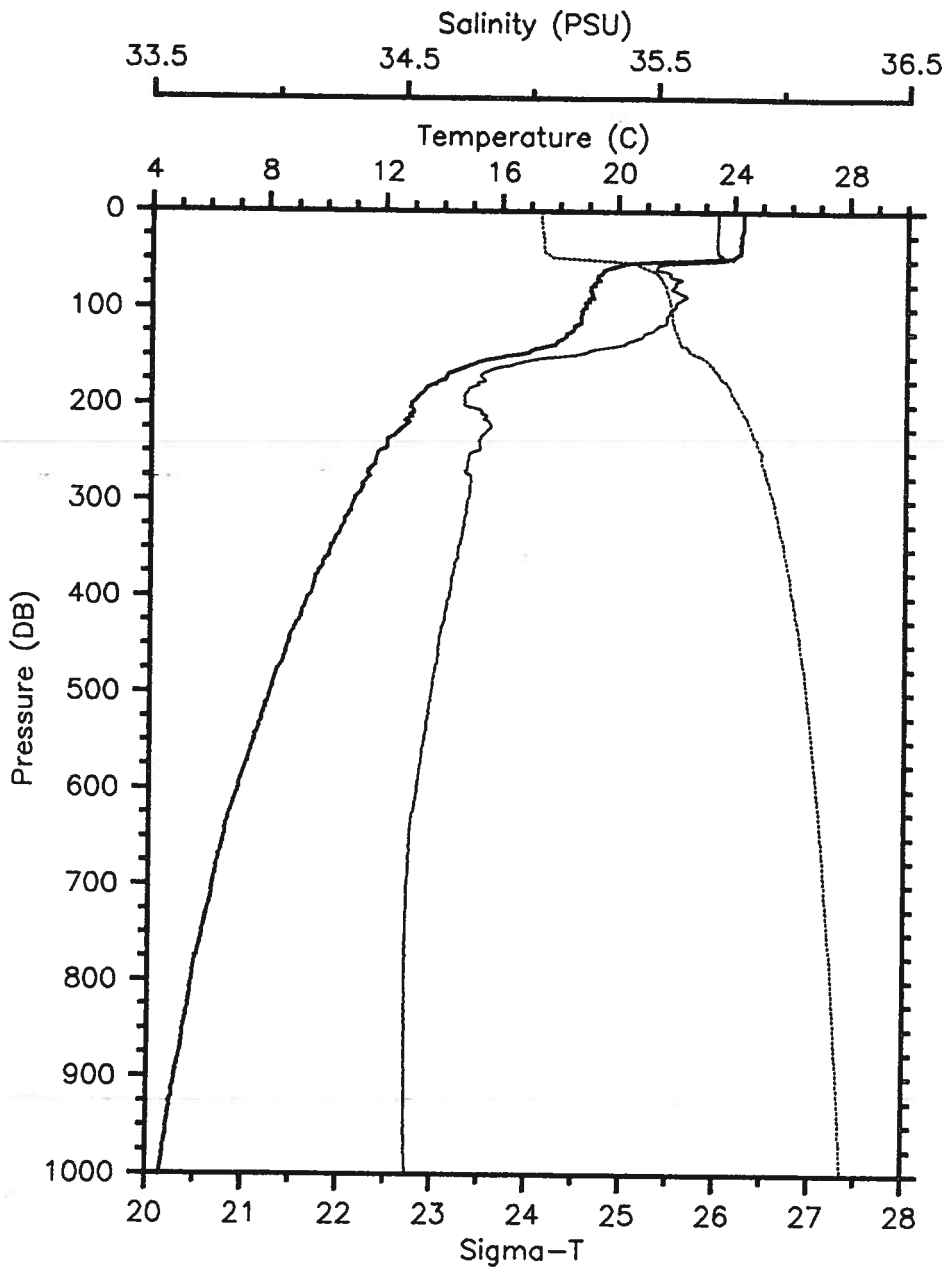


Prs	Tem	Sal	SigT
0	23.67	35.888	24.41
10	23.64	35.887	24.42
20	23.61	35.887	24.43
30	23.60	35.886	24.43
40	23.60	35.886	24.43
50	23.59	35.886	24.43
60	22.93	35.881	24.62
70	20.80	35.777	25.14
80	19.98	35.681	25.29
90	19.87	35.720	25.35
100	19.74	35.744	25.40
110	19.39	35.679	25.44
120	19.25	35.647	25.45
130	19.09	35.616	25.47
140	18.91	35.578	25.49
150	18.44	35.486	25.54
160	17.03	35.252	25.70
170	16.04	35.112	25.82
180	14.79	34.921	25.96
190	13.77	34.825	26.10
200	13.44	34.801	26.15
210	13.10	34.782	26.21
220	12.73	34.777	26.27
230	12.39	34.774	26.34
240	11.92	34.742	26.40
250	11.78	34.767	26.45
260	11.59	34.756	26.48
270	11.43	34.761	26.51
280	11.21	34.750	26.54
290	10.99	34.740	26.57
300	10.75	34.723	26.61
350	9.83	34.675	26.73
400	9.03	34.642	26.83
450	8.34	34.602	26.91
500	7.68	34.568	26.98
550	7.11	34.536	27.04
600	6.60	34.522	27.10
650	6.15	34.509	27.15

EPOCS EP1-86-OC CTD 46 OCEANOGRAPHER

Date 05 01 86 Latitude 14.995 S

Time 2349 Z Longitude 92.018 W

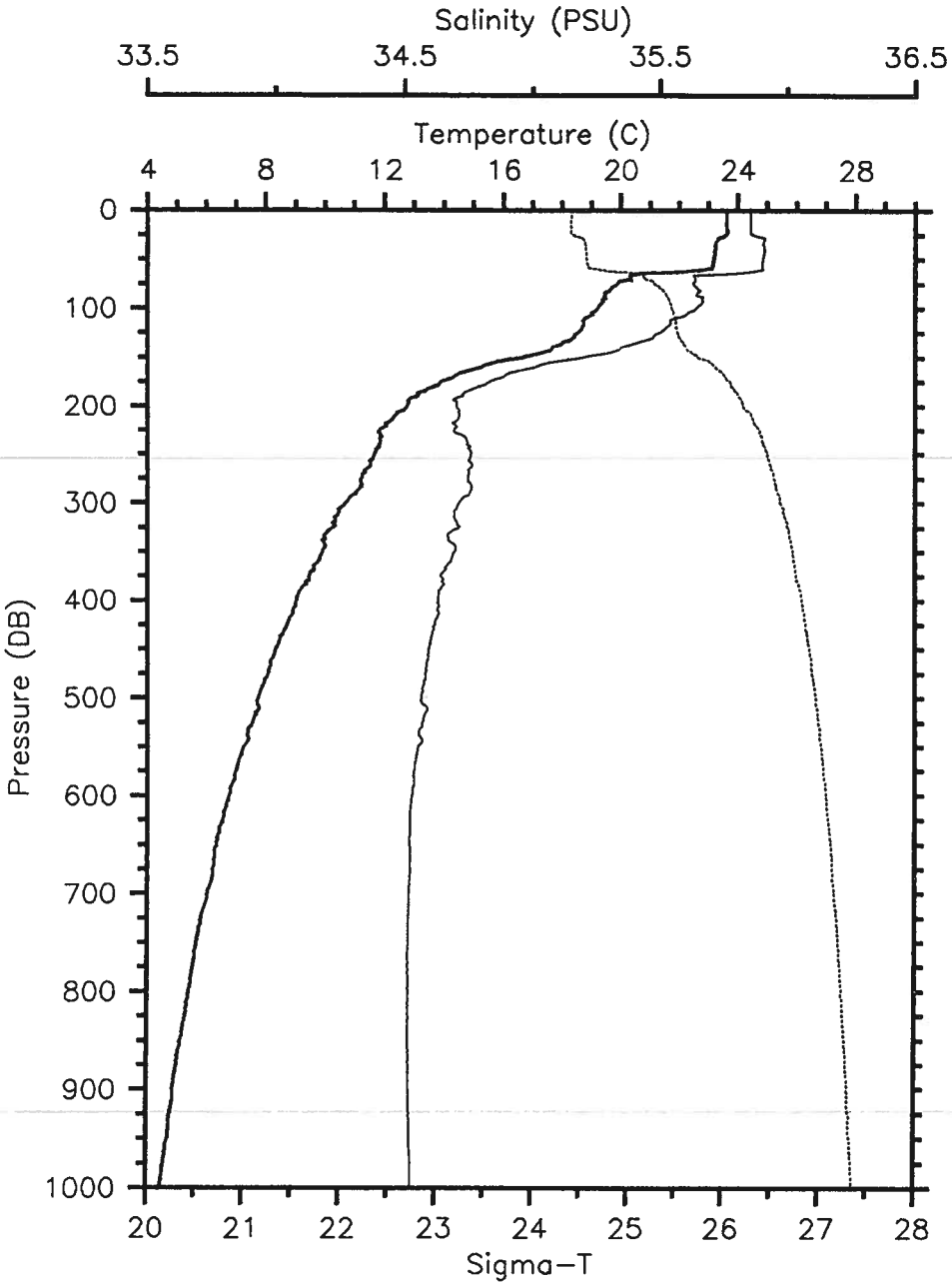


Prs	Tem	Sal	SigT
0	24.31	35.742	24.11
10	24.31	35.742	24.11
20	24.29	35.741	24.12
30	24.23	35.739	24.13
40	24.22	35.741	24.14
50	22.86	35.783	24.57
60	19.56	35.498	25.26
70	19.35	35.602	25.39
80	19.07	35.559	25.43
90	19.03	35.604	25.48
100	18.85	35.569	25.50
110	18.73	35.541	25.51
120	18.52	35.500	25.53
130	18.18	35.444	25.57
140	17.54	35.337	25.64
150	16.15	35.129	25.81
160	14.89	34.923	25.94
170	14.13	34.802	26.01
180	13.60	34.796	26.11
190	13.20	34.738	26.15
200	12.90	34.736	26.21
210	12.89	34.804	26.26
220	12.78	34.841	26.31
230	12.42	34.820	26.37
240	12.10	34.799	26.41
250	11.75	34.776	26.46
260	11.63	34.751	26.47
270	11.41	34.742	26.50
280	11.31	34.766	26.54
290	11.19	34.762	26.56
300	10.96	34.751	26.59
350	10.15	34.717	26.71
400	9.40	34.684	26.81
450	8.70	34.645	26.89
500	8.11	34.613	26.95
550	7.55	34.584	27.01
600	7.03	34.558	27.07
650	6.55	34.531	27.11
700	6.17	34.521	27.15
750	5.83	34.517	27.19
800	5.48	34.516	27.23
850	5.21	34.517	27.27
900	4.94	34.520	27.30
950	4.68	34.522	27.33
1000	4.45	34.527	27.36

EPOCS EP1-86-OC CTD 47 OCEANOGRAPHER

Date 05 02 86 Latitude 14.998 S

Time 0310 Z Longitude 91.005 W

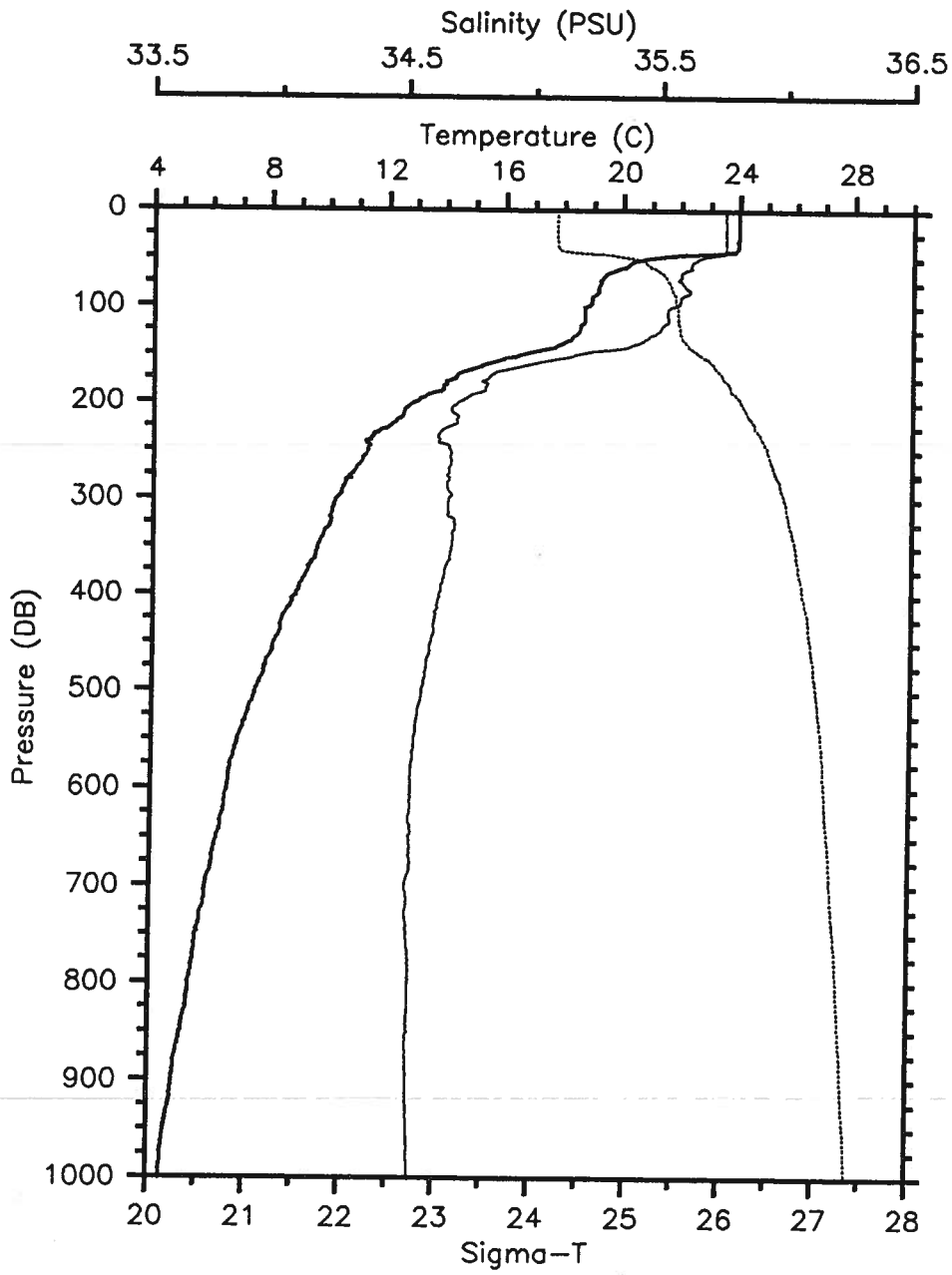


Prs	Tem	Sal	SigT
0	23.63	35.859	24.40
10	23.63	35.859	24.40
20	23.64	35.858	24.40
30	23.31	35.911	24.54
40	23.24	35.912	24.56
50	23.19	35.906	24.57
60	22.79	35.907	24.68
70	20.34	35.640	25.16
80	19.67	35.649	25.35
90	19.40	35.668	25.43
100	19.20	35.643	25.46
110	18.81	35.560	25.50
120	18.66	35.522	25.51
130	18.37	35.472	25.54
140	17.68	35.347	25.62
150	16.68	35.194	25.74
160	15.26	35.009	25.92
170	14.32	34.883	26.03
180	13.66	34.788	26.09
190	13.11	34.727	26.16
200	12.74	34.703	26.21
210	12.34	34.714	26.30
220	12.07	34.699	26.34
230	11.89	34.723	26.40
240	11.82	34.744	26.42
250	11.67	34.759	26.46
260	11.54	34.764	26.49
270	11.31	34.752	26.53
280	11.22	34.759	26.55
290	11.05	34.754	26.58
300	10.71	34.713	26.60
350	9.90	34.694	26.73
400	9.03	34.631	26.82
450	8.34	34.596	26.90
500	7.75	34.567	26.97
550	7.26	34.555	27.03
600	6.78	34.532	27.08
650	6.36	34.523	27.13
700	6.05	34.519	27.17
750	5.68	34.517	27.21
800	5.41	34.517	27.24
850	5.14	34.518	27.28
900	4.90	34.521	27.31
950	4.72	34.525	27.33
1000	4.45	34.532	27.37

EPOCS EP1-86-OC CTD 48 OCEANOGRAPHER

Date 05 02 86 Latitude 15.002 S

Time 1104 Z Longitude 90.010 W

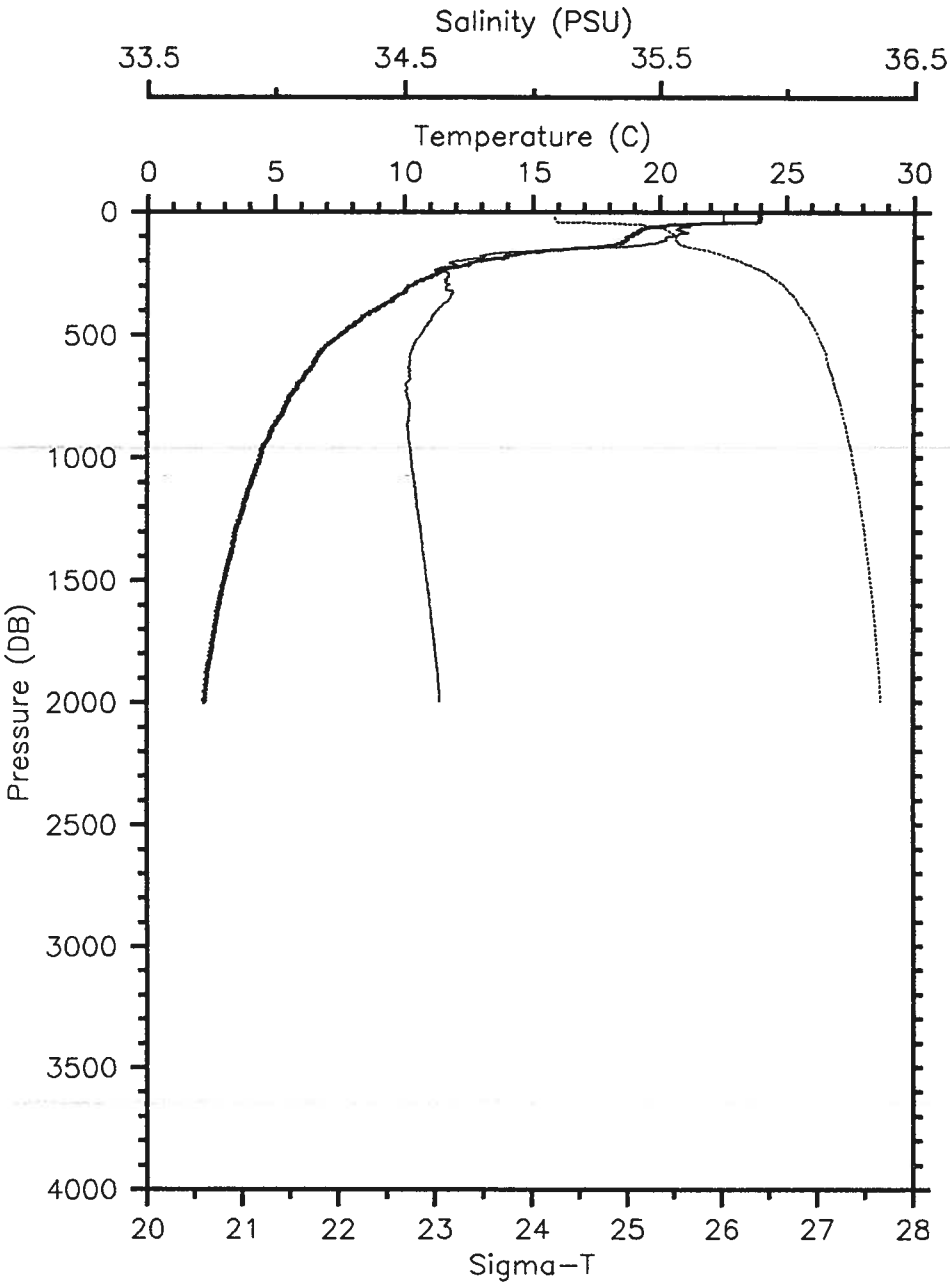


Prs	Tem	Sal	SigT
0	23.95	35.751	24.23
10	23.95	35.750	24.22
20	23.95	35.751	24.23
30	23.94	35.753	24.23
40	23.90	35.753	24.24
50	20.84	35.646	25.03
60	19.88	35.619	25.27
70	19.31	35.574	25.38
80	19.16	35.591	25.43
90	18.93	35.573	25.48
100	18.72	35.533	25.50
110	18.69	35.524	25.50
120	18.55	35.501	25.52
130	18.35	35.457	25.54
140	17.81	35.384	25.61
150	16.51	35.157	25.75
160	15.36	34.987	25.88
170	14.43	34.838	25.97
180	14.01	34.815	26.04
190	13.54	34.781	26.11
200	12.90	34.700	26.18
210	12.56	34.677	26.23
220	12.26	34.698	26.31
230	11.69	34.632	26.36
240	11.28	34.624	26.43
250	11.32	34.673	26.46
260	11.12	34.674	26.50
270	10.89	34.666	26.54
280	10.60	34.666	26.59
290	10.43	34.662	26.61
300	10.24	34.665	26.65
350	9.60	34.677	26.77
400	8.87	34.627	26.85
450	8.13	34.596	26.94
500	7.52	34.563	27.00
550	6.93	34.535	27.06
600	6.60	34.525	27.10
650	6.27	34.521	27.14
700	5.91	34.507	27.17
750	5.59	34.516	27.22
800	5.35	34.523	27.26
850	5.09	34.522	27.29
900	4.83	34.520	27.31
950	4.58	34.525	27.35
1000	4.42	34.531	27.37

EPOCS EP1-86-OC CTD 48 OCEANOGRAPHER

Date 05 02 86 Latitude 15.002 S

Time 1104 Z Longitude 90.010 W

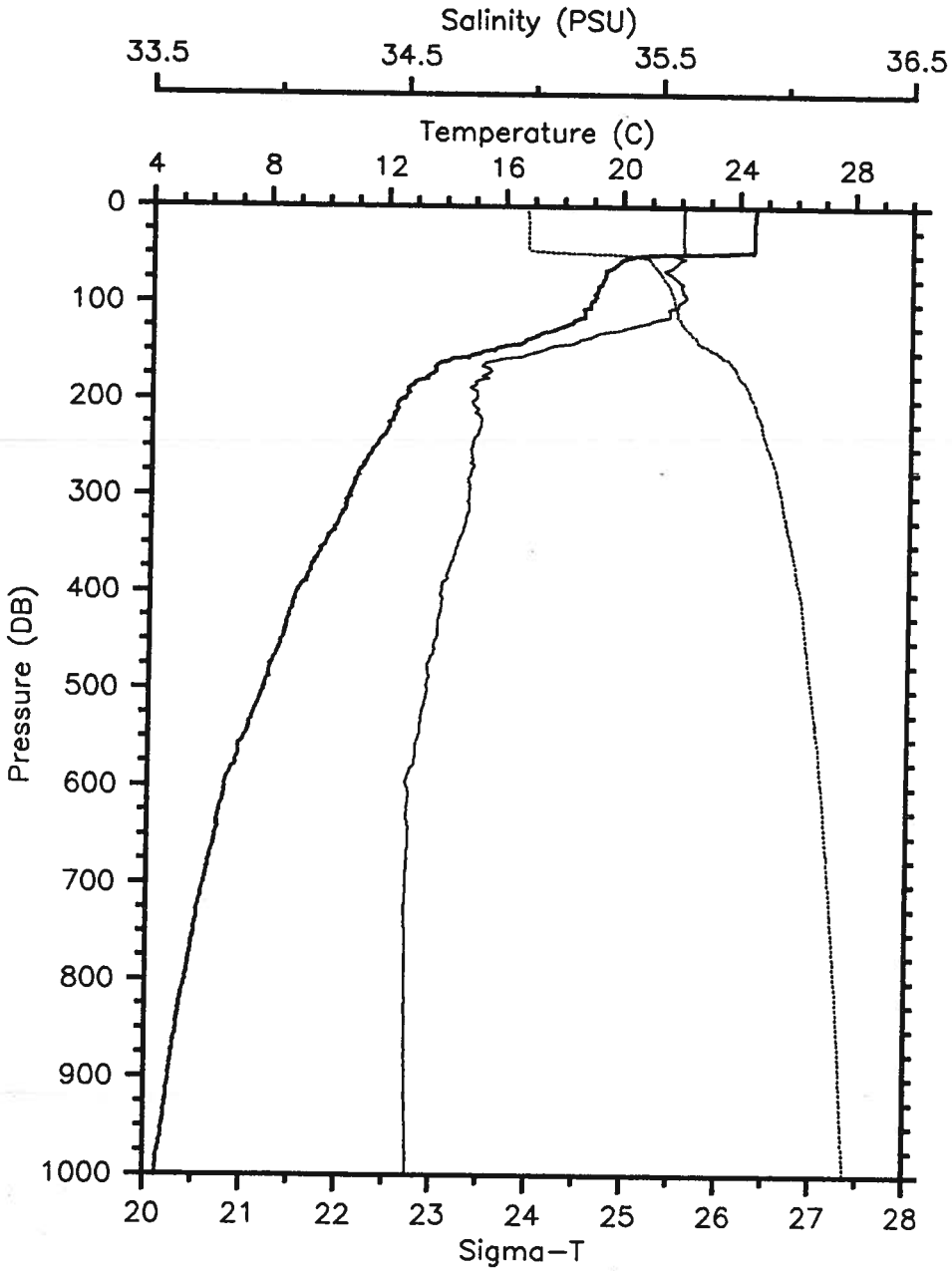


Prs	Tem	Sal	SigT
0	23.95	35.751	24.23
20	23.95	35.751	24.23
40	23.90	35.753	24.24
60	19.88	35.619	25.27
80	19.16	35.591	25.43
100	18.72	35.533	25.50
120	18.55	35.501	25.52
140	17.81	35.384	25.61
160	15.36	34.987	25.88
180	14.01	34.815	26.04
200	12.90	34.700	26.18
220	12.26	34.698	26.31
240	11.28	34.624	26.43
260	11.12	34.674	26.50
280	10.60	34.666	26.59
300	10.24	34.665	26.65
320	10.07	34.683	26.69
340	9.75	34.682	26.75
360	9.52	34.671	26.78
380	9.19	34.647	26.81
400	8.87	34.627	26.85
450	8.13	34.596	26.94
500	7.52	34.563	27.00
550	6.93	34.535	27.06
600	6.60	34.525	27.10
650	6.27	34.521	27.14
700	5.91	34.507	27.17
750	5.59	34.516	27.22
800	5.35	34.523	27.26
850	5.09	34.522	27.29
900	4.83	34.520	27.31
950	4.58	34.525	27.35
1000	4.42	34.531	27.37
1500	3.04	34.593	27.56
2000	2.25	34.643	27.67

EPOCS EP1-86-OC CTD 49 OCEANOGRAPHER

Date 05 02 86 Latitude 15.002 S

Time 1532 Z Longitude 89.015 W

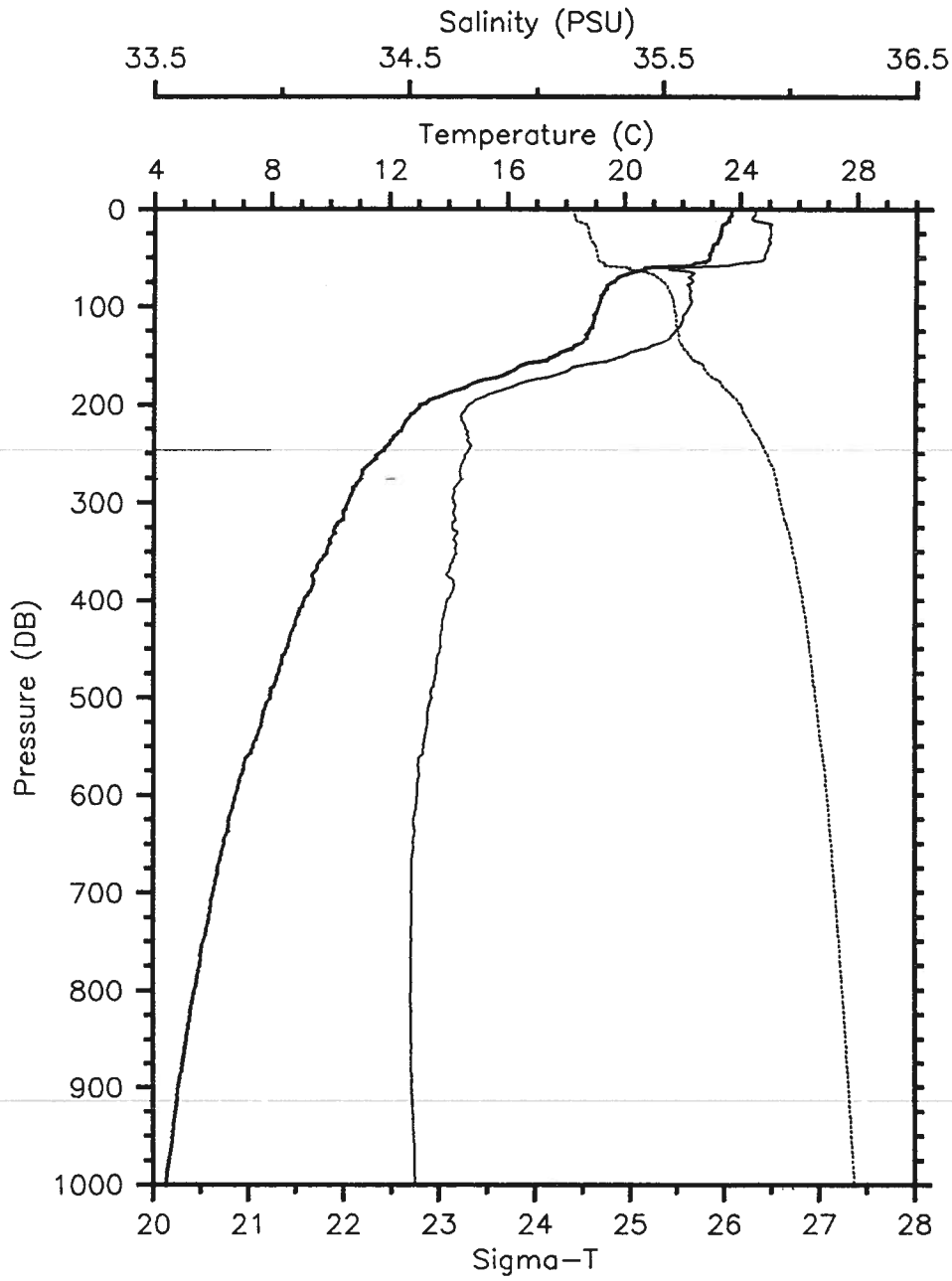


Prs	Tem	Sal	SigT
0	24.58	35.587	23.92
10	24.53	35.584	23.93
20	24.51	35.584	23.93
30	24.51	35.584	23.93
40	24.50	35.585	23.94
50	20.83	35.544	24.96
60	19.76	35.553	25.25
70	19.40	35.536	25.33
80	19.29	35.583	25.39
90	19.08	35.588	25.45
100	18.91	35.566	25.48
110	18.72	35.534	25.50
120	18.32	35.453	25.54
130	17.37	35.284	25.64
140	16.68	35.173	25.72
150	15.28	35.018	25.93
160	14.12	34.849	26.05
170	13.65	34.832	26.13
180	13.11	34.784	26.20
190	12.71	34.764	26.27
200	12.49	34.774	26.32
210	12.36	34.783	26.35
220	12.21	34.796	26.39
230	12.04	34.790	26.42
240	11.83	34.770	26.44
250	11.59	34.760	26.48
260	11.34	34.759	26.53
270	11.19	34.768	26.56
280	11.01	34.754	26.58
290	10.86	34.751	26.61
300	10.76	34.751	26.62
350	9.95	34.710	26.73
400	8.98	34.644	26.84
450	8.47	34.623	26.91
500	7.88	34.597	26.97
550	7.22	34.561	27.04
600	6.60	34.519	27.09
650	6.30	34.528	27.14
700	5.92	34.519	27.18
750	5.62	34.521	27.22
800	5.32	34.521	27.26
850	5.06	34.522	27.29
900	4.82	34.525	27.32
950	4.61	34.529	27.35
1000	4.39	34.533	27.37

EPOCS EP1-86-OC CTD 50 OCEANOGRAPHER

Date 05 02 86 Latitude 15.010 S

Time 2047 Z Longitude 87.975 W

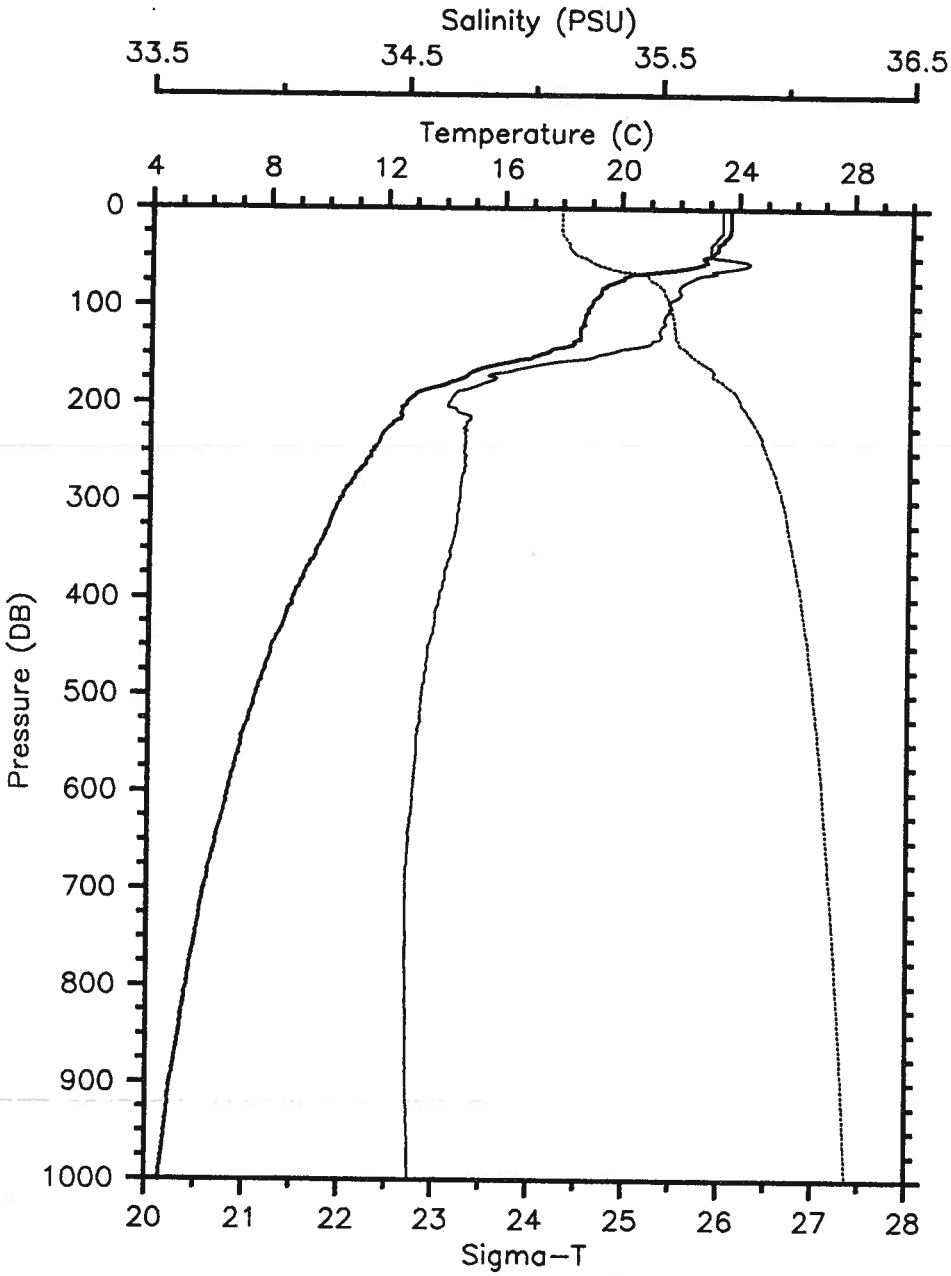


Prs	Tem	Sal	SigT
0	23.69	35.867	24.39
10	23.61	35.854	24.40
20	23.34	35.927	24.54
30	23.24	35.920	24.56
40	23.03	35.915	24.62
50	22.94	35.904	24.64
60	20.75	35.548	24.98
70	19.81	35.603	25.27
80	19.41	35.608	25.38
90	19.22	35.609	25.43
100	19.11	35.604	25.46
110	18.97	35.580	25.47
120	18.91	35.569	25.48
130	18.71	35.532	25.50
140	18.33	35.458	25.54
150	17.63	35.345	25.63
160	16.49	35.174	25.77
170	15.85	35.071	25.84
180	14.75	34.920	25.97
190	13.91	34.813	26.06
200	13.09	34.737	26.17
210	12.78	34.707	26.21
220	12.53	34.719	26.27
230	12.28	34.727	26.32
240	12.03	34.740	26.38
250	11.69	34.730	26.44
260	11.40	34.710	26.48
270	11.12	34.703	26.52
280	10.95	34.697	26.55
290	10.76	34.681	26.57
300	10.63	34.678	26.59
350	9.94	34.687	26.72
400	9.14	34.654	26.83
450	8.56	34.627	26.90
500	7.99	34.595	26.96
550	7.40	34.565	27.02
600	6.82	34.539	27.08
650	6.40	34.526	27.13
700	6.04	34.518	27.17
750	5.71	34.518	27.21
800	5.41	34.518	27.25
850	5.13	34.517	27.28
900	4.86	34.521	27.31
950	4.66	34.527	27.34
1000	4.43	34.533	27.37

EPOCS EP1-86-OC CTD 51 OCEANOGRAPHER

Date 05 03 86 Latitude 15.042 S

Time 0213 Z Longitude 86.958 W

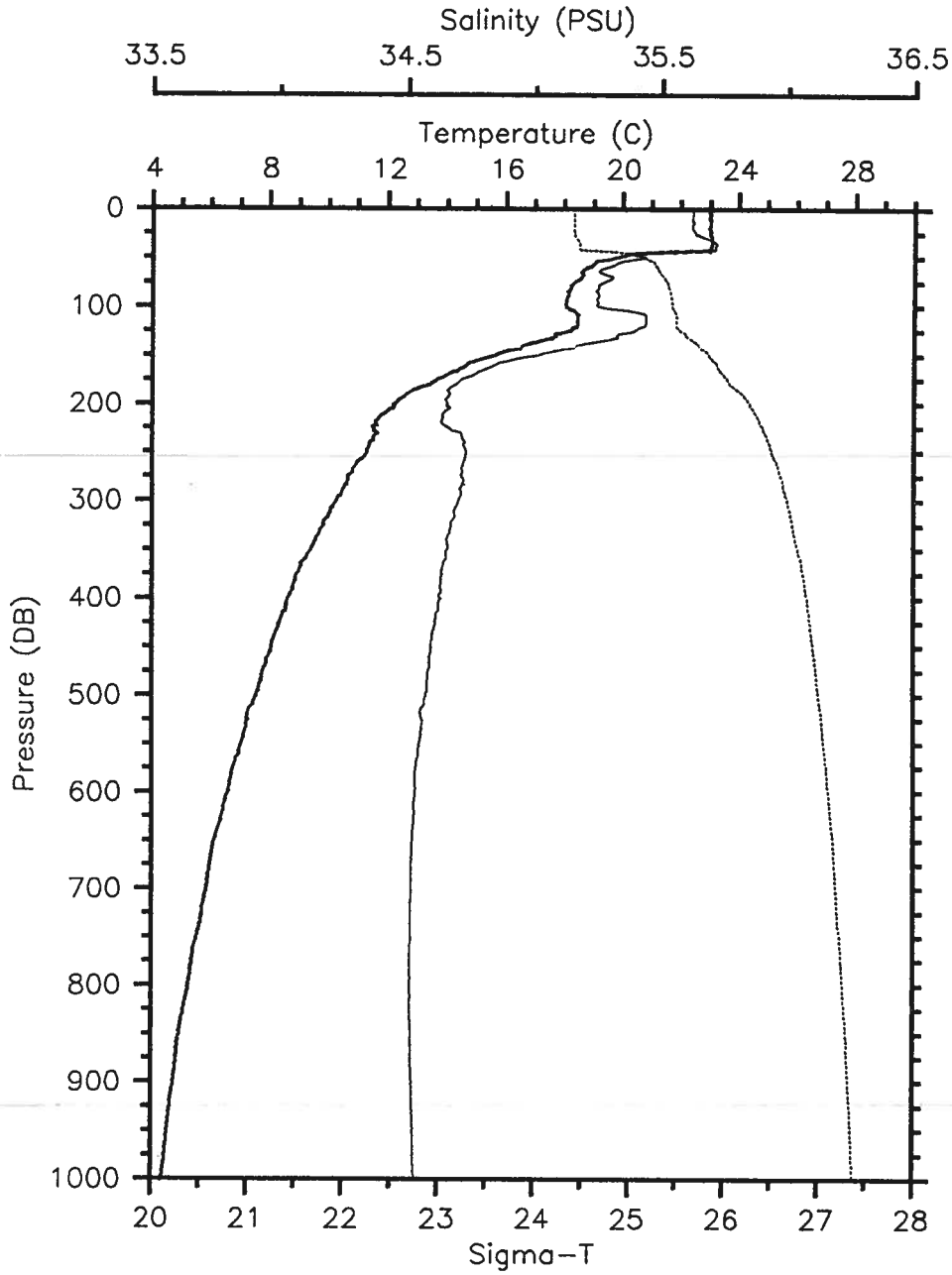


Prs	Tem	Sal	SigT
0	23.70	35.742	24.29
10	23.71	35.741	24.29
20	23.70	35.741	24.29
30	23.52	35.720	24.33
40	23.30	35.698	24.38
50	22.83	35.710	24.52
60	22.25	35.806	24.76
70	20.15	35.640	25.21
80	19.51	35.580	25.33
90	19.23	35.575	25.40
100	18.99	35.544	25.44
110	18.80	35.521	25.47
120	18.72	35.513	25.49
130	18.64	35.505	25.50
140	18.38	35.458	25.53
150	17.22	35.261	25.66
160	15.84	35.043	25.82
170	14.81	34.841	25.89
180	14.09	34.802	26.02
190	13.07	34.698	26.15
200	12.71	34.668	26.19
210	12.52	34.709	26.26
220	12.27	34.740	26.34
230	11.90	34.733	26.40
240	11.75	34.738	26.43
250	11.53	34.731	26.47
260	11.31	34.734	26.51
270	11.07	34.735	26.56
280	10.85	34.722	26.59
290	10.59	34.719	26.63
300	10.45	34.715	26.65
350	9.66	34.681	26.76
400	8.86	34.639	26.86
450	8.14	34.597	26.94
500	7.62	34.573	27.00
550	7.12	34.553	27.05
600	6.68	34.539	27.10
650	6.28	34.524	27.14
700	5.89	34.516	27.18
750	5.62	34.517	27.22
800	5.34	34.518	27.25
850	5.09	34.520	27.28
900	4.80	34.523	27.32
950	4.63	34.528	27.34
1000	4.45	34.533	27.37

EPOCS EP1-86-OC CTD 52 OCEANOGRAPHER

Date 05 03 86 Latitude 15.005 S

Time 1139 Z Longitude 86.012 W

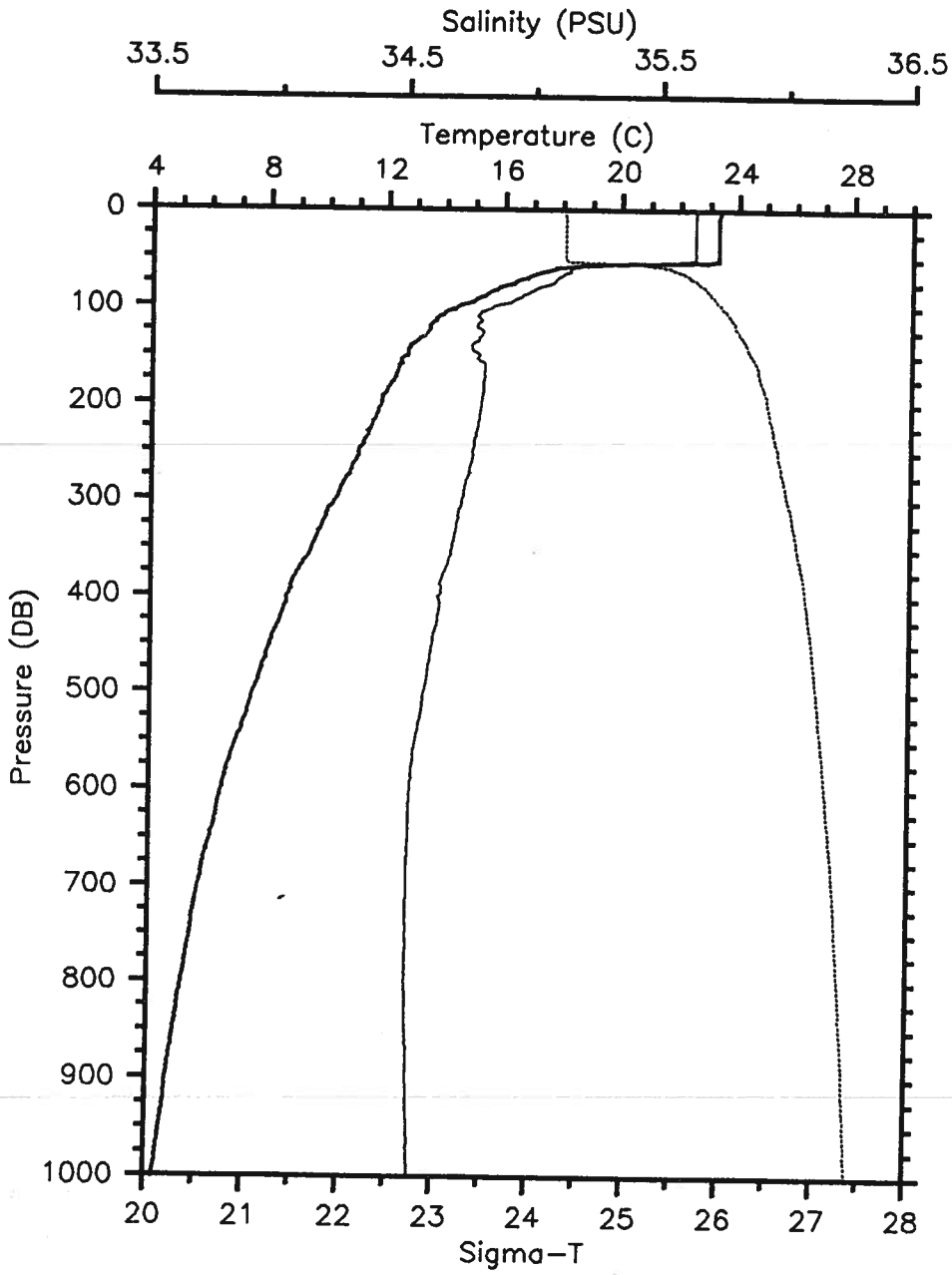


Prs	Tem	Sal	SigT
0	23.00	35.623	24.41
10	23.00	35.623	24.41
20	23.00	35.623	24.41
30	23.06	35.680	24.43
40	23.02	35.714	24.47
50	19.75	35.439	25.16
60	18.78	35.279	25.29
70	18.59	35.307	25.36
80	18.23	35.251	25.41
90	18.10	35.250	25.44
100	18.06	35.250	25.45
110	18.45	35.440	25.50
120	18.43	35.434	25.50
130	17.72	35.322	25.59
140	16.65	35.168	25.73
150	15.65	35.009	25.83
160	14.68	34.845	25.92
170	14.01	34.762	26.00
180	13.45	34.693	26.06
190	12.67	34.664	26.20
200	12.23	34.656	26.28
210	11.90	34.641	26.33
220	11.61	34.635	26.38
230	11.64	34.705	26.43
240	11.44	34.725	26.48
250	11.32	34.731	26.51
260	11.02	34.721	26.55
270	10.83	34.716	26.58
280	10.65	34.720	26.62
290	10.49	34.710	26.64
300	10.28	34.699	26.67
350	9.42	34.657	26.78
400	8.63	34.631	26.89
450	8.08	34.597	26.95
500	7.58	34.576	27.00
550	7.05	34.550	27.06
600	6.61	34.536	27.11
650	6.13	34.525	27.16
700	5.87	34.520	27.19
750	5.54	34.517	27.23
800	5.25	34.515	27.26
850	4.96	34.519	27.30
900	4.76	34.524	27.33
950	4.54	34.528	27.35
1000	4.34	34.534	27.38

EPOCS EP1-86-OC CTD 53 OCEANOGRAPHER

Date 05 03 86 Latitude 15.012 S

Time 1627 Z Longitude 85.002 W

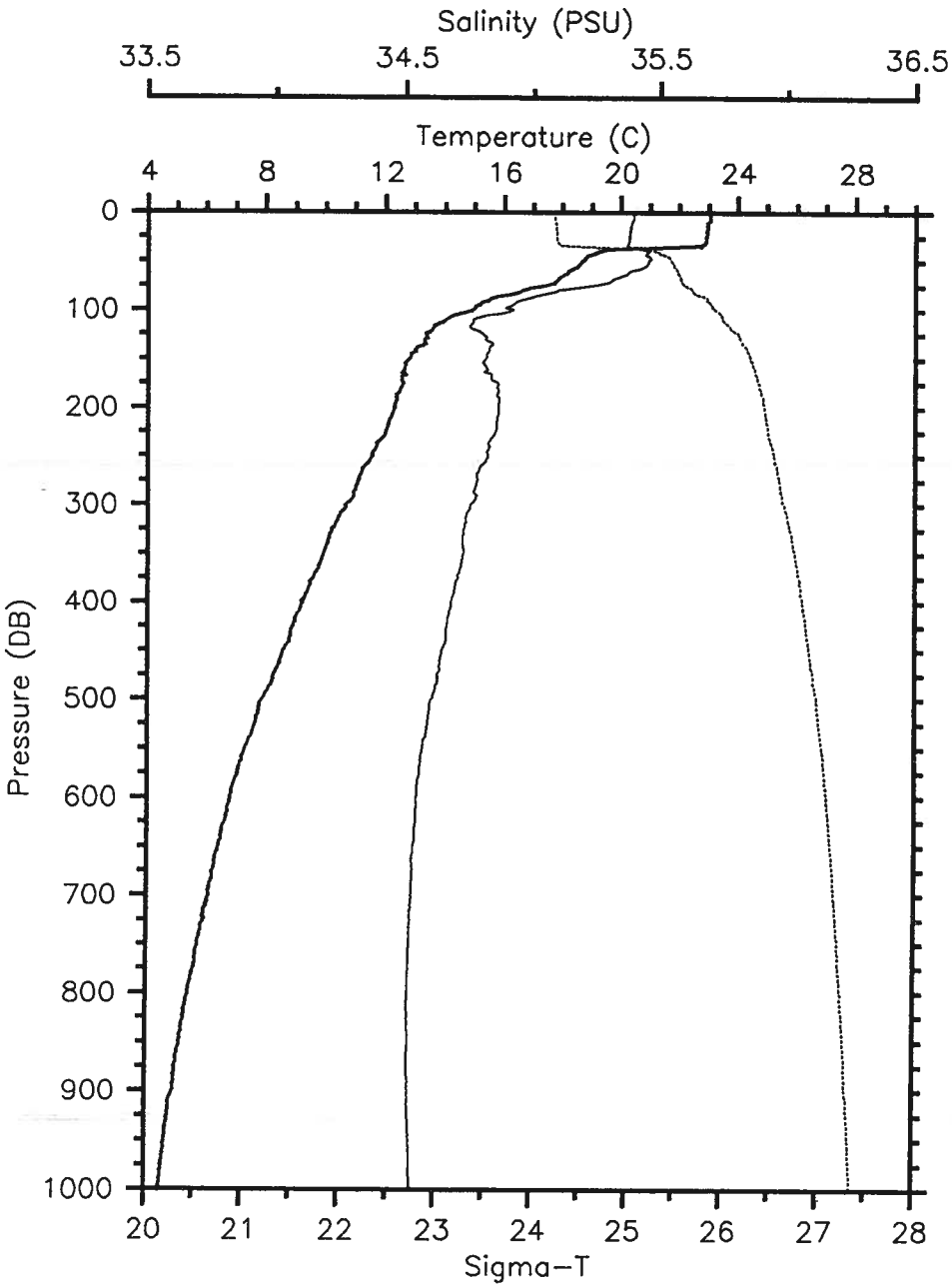


Prs	Tem	Sal	SigT
0	23.33	35.636	24.32
10	23.31	35.636	24.33
20	23.30	35.636	24.33
30	23.30	35.636	24.33
40	23.30	35.636	24.33
50	23.30	35.636	24.33
60	17.79	35.150	25.44
70	16.83	35.097	25.63
80	15.86	35.026	25.80
90	15.20	34.955	25.89
100	14.41	34.841	25.98
110	13.77	34.779	26.06
120	13.46	34.776	26.13
130	13.30	34.798	26.18
140	12.79	34.755	26.25
150	12.68	34.789	26.29
160	12.43	34.810	26.36
170	12.29	34.806	26.38
180	12.10	34.804	26.42
190	11.94	34.803	26.45
200	11.81	34.798	26.47
210	11.66	34.791	26.49
220	11.50	34.785	26.52
230	11.34	34.776	26.54
240	11.20	34.769	26.56
250	11.02	34.762	26.59
260	10.91	34.759	26.60
270	10.76	34.749	26.62
280	10.54	34.737	26.65
290	10.40	34.729	26.67
300	10.23	34.721	26.69
350	9.45	34.683	26.80
400	8.61	34.628	26.89
450	8.05	34.608	26.96
500	7.49	34.577	27.02
550	6.95	34.544	27.07
600	6.46	34.524	27.12
650	6.09	34.519	27.16
700	5.69	34.515	27.21
750	5.43	34.513	27.24
800	5.15	34.511	27.27
850	4.91	34.517	27.30
900	4.67	34.522	27.33
950	4.48	34.530	27.36
1000	4.28	34.535	27.39

EPOCS EP1-86-OC CTD 54 OCEANOGRAPHER

Date 05 03 86 Latitude 15.017 S

Time 2112 Z Longitude 84.035 W

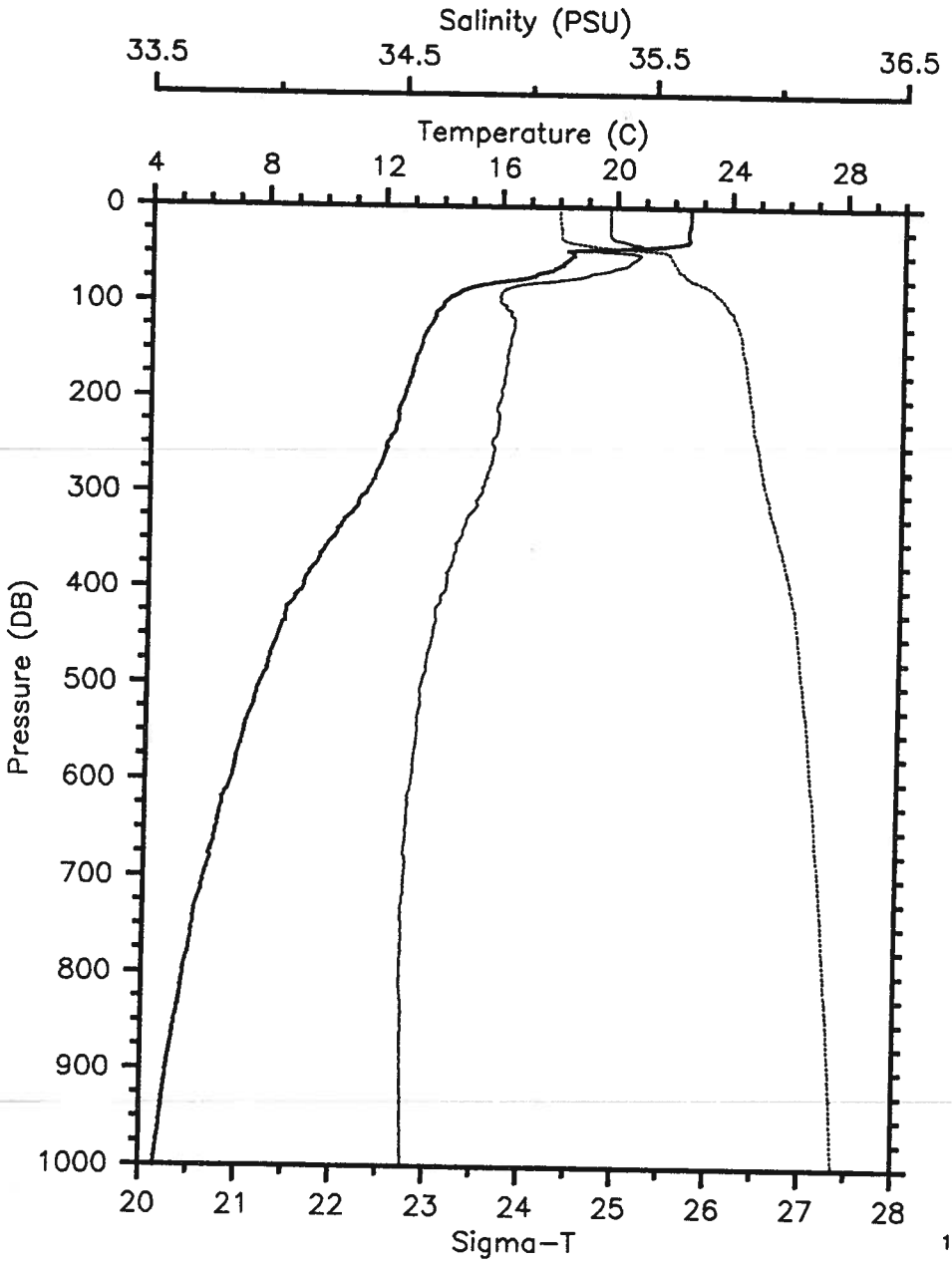


Prs	Tem	Sal	SigT
0	23.06	35.396	24.22
10	23.00	35.388	24.23
20	22.94	35.381	24.24
30	22.90	35.377	24.25
40	19.27	35.460	25.30
50	18.68	35.454	25.45
60	18.20	35.381	25.51
70	17.80	35.308	25.56
80	16.64	35.099	25.68
90	15.48	34.949	25.83
100	14.95	34.920	25.92
110	14.06	34.763	25.99
120	13.56	34.764	26.10
130	13.32	34.811	26.18
140	13.02	34.824	26.25
150	12.79	34.813	26.29
160	12.62	34.816	26.33
170	12.53	34.835	26.36
180	12.48	34.855	26.38
190	12.36	34.865	26.41
200	12.28	34.864	26.43
210	12.17	34.858	26.45
220	12.07	34.854	26.46
230	11.93	34.841	26.48
240	11.70	34.828	26.51
250	11.55	34.822	26.54
260	11.31	34.794	26.56
270	11.14	34.778	26.58
280	11.04	34.776	26.59
290	10.95	34.778	26.61
300	10.69	34.754	26.64
350	9.93	34.725	26.75
400	9.22	34.678	26.83
450	8.60	34.641	26.90
500	7.89	34.604	26.98
550	7.32	34.569	27.04
600	6.82	34.545	27.09
650	6.43	34.536	27.13
700	6.10	34.528	27.17
750	5.74	34.522	27.21
800	5.43	34.517	27.24
850	5.15	34.519	27.28
900	4.93	34.522	27.30
950	4.66	34.527	27.34
1000	4.48	34.532	27.36

EPOCS EP1-86-OC CTD 55 OCEANOGRAPHER

Date 05 04 86 Latitude 14.975 S

Time 0145 Z Longitude 83.020 W

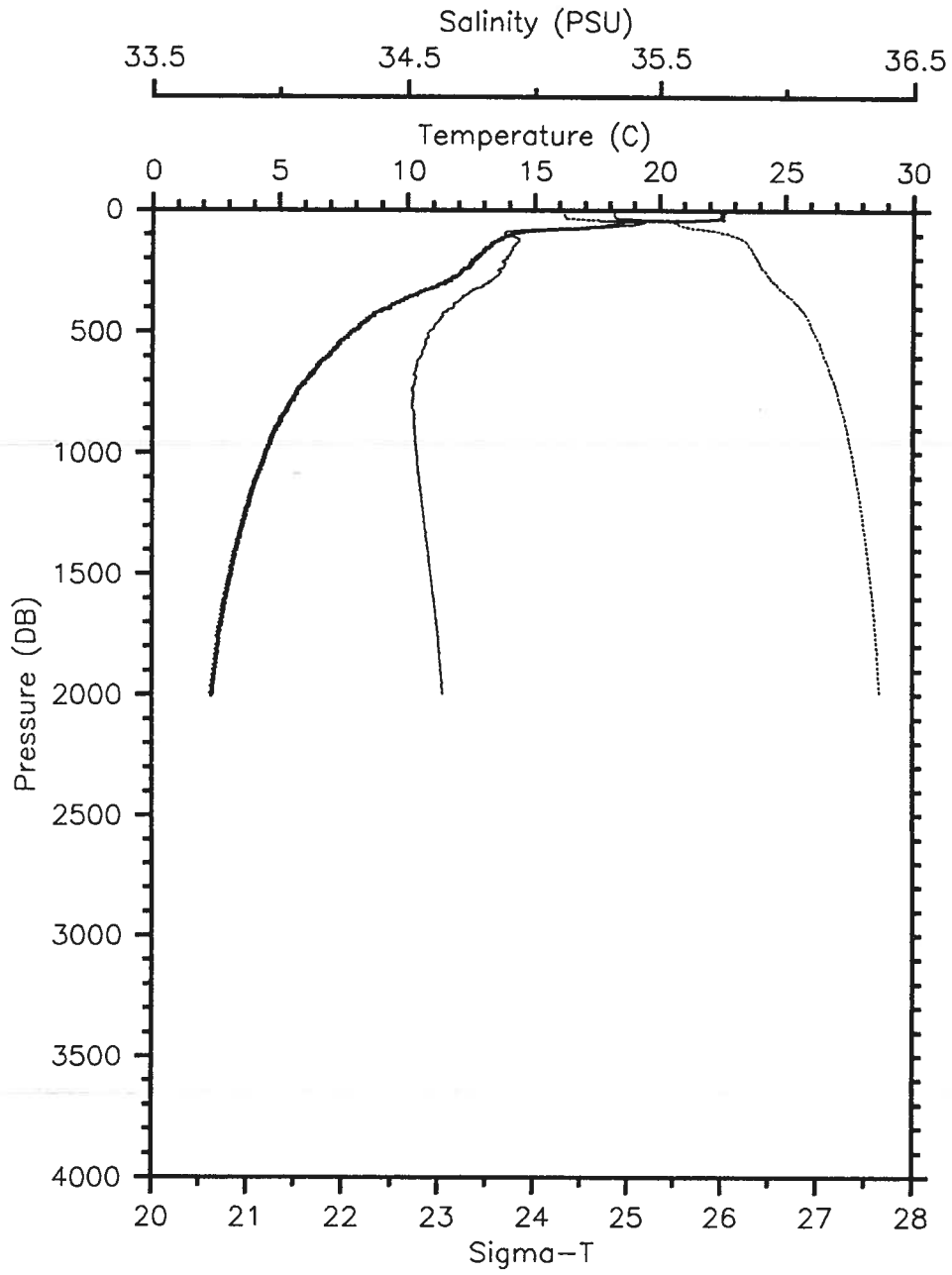


Prs	Tem	Sal	SigT
0	22.55	35.318	24.30
10	22.56	35.318	24.30
20	22.52	35.317	24.31
30	22.49	35.320	24.32
40	21.78	35.446	24.62
50	18.49	35.442	25.49
60	18.15	35.391	25.54
70	17.24	35.241	25.64
80	15.73	35.010	25.82
90	14.55	34.884	25.98
100	14.04	34.880	26.09
110	13.79	34.926	26.18
120	13.65	34.939	26.21
130	13.45	34.933	26.25
140	13.30	34.923	26.27
150	13.22	34.917	26.29
160	13.08	34.914	26.31
170	12.98	34.907	26.33
180	12.89	34.900	26.34
190	12.78	34.893	26.35
200	12.68	34.888	26.37
210	12.53	34.874	26.39
220	12.52	34.882	26.40
230	12.44	34.879	26.41
240	12.29	34.872	26.43
250	12.12	34.857	26.46
260	12.04	34.860	26.47
270	11.94	34.853	26.49
280	11.75	34.837	26.51
290	11.60	34.828	26.53
300	11.42	34.818	26.56
350	10.24	34.727	26.70
400	9.30	34.679	26.82
450	8.47	34.628	26.91
500	7.87	34.585	26.97
550	7.36	34.572	27.03
600	6.93	34.552	27.08
650	6.44	34.533	27.13
700	6.06	34.531	27.17
750	5.71	34.526	27.21
800	5.41	34.521	27.25
850	5.13	34.527	27.29
900	4.87	34.529	27.32
950	4.69	34.533	27.34
1000	4.49	34.537	27.37

EPOCS EP1-86-OC CTD 55 OCEANOGRAPHER

Date 05 04 86 Latitude 14.975 S

Time 0145 Z Longitude 83.020 W

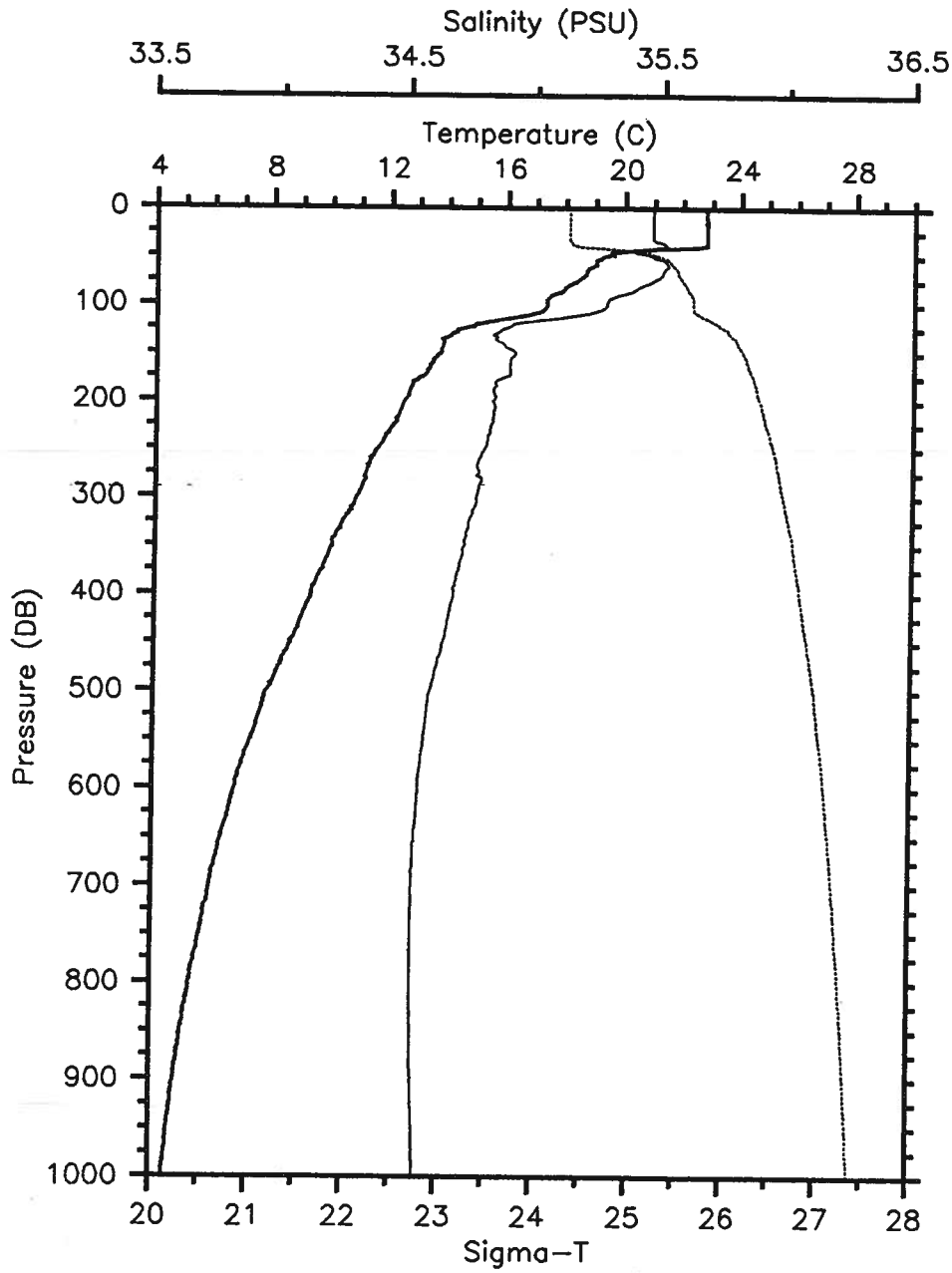


Prs	Tem	Sal	SigT
0	22.55	35.318	24.30
20	22.52	35.317	24.31
40	21.78	35.446	24.62
60	18.15	35.391	25.54
80	15.73	35.010	25.82
100	14.04	34.880	26.09
120	13.65	34.939	26.21
140	13.30	34.923	26.27
160	13.08	34.914	26.31
180	12.89	34.900	26.34
200	12.68	34.888	26.37
220	12.52	34.882	26.40
240	12.29	34.872	26.43
260	12.04	34.860	26.47
280	11.75	34.837	26.51
300	11.42	34.818	26.56
320	10.99	34.780	26.61
340	10.45	34.742	26.67
360	10.02	34.717	26.73
380	9.59	34.690	26.78
400	9.30	34.679	26.82
450	8.47	34.628	26.91
500	7.87	34.585	26.97
550	7.36	34.572	27.03
600	6.93	34.552	27.08
650	6.44	34.533	27.13
700	6.06	34.531	27.17
750	5.71	34.526	27.21
800	5.41	34.521	27.25
850	5.13	34.527	27.29
900	4.87	34.529	27.32
950	4.69	34.533	27.34
1000	4.49	34.537	27.37
1500	3.10	34.594	27.55
2000	2.35	34.642	27.66

EPOCS EP1-86-OC CTD 56 OCEANOGRAPHER

Date 05 04 86 Latitude 14.567 S

Time 1058 Z Longitude 82.105 W

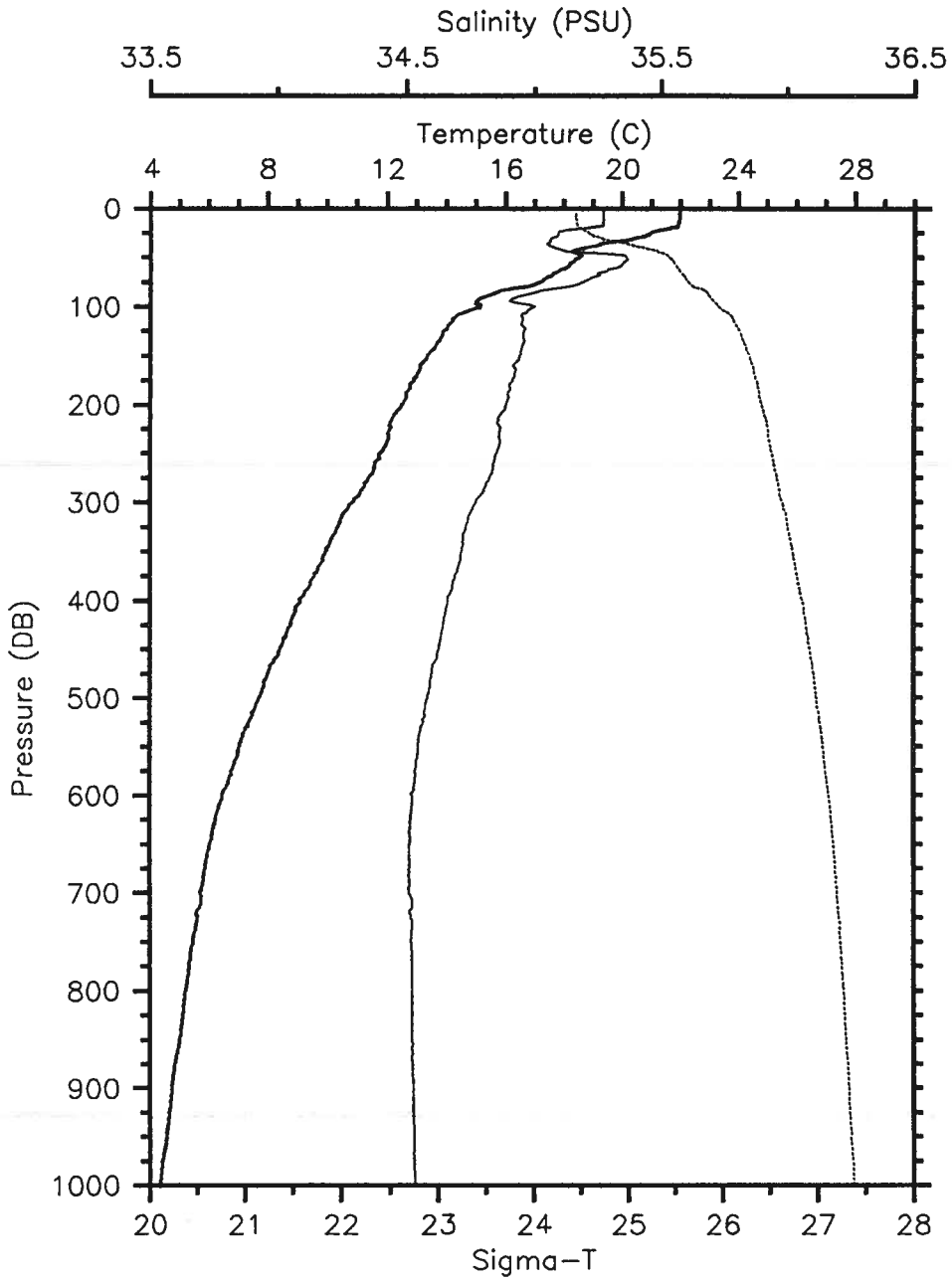


Prs	Tem	Sal	SigT
0	22.80	35.457	24.34
10	22.80	35.454	24.34
20	22.80	35.455	24.34
30	22.80	35.455	24.34
40	22.53	35.507	24.45
50	19.30	35.455	25.29
60	18.92	35.518	25.44
70	18.60	35.489	25.50
80	18.10	35.418	25.57
90	17.53	35.321	25.63
100	17.35	35.277	25.64
110	16.84	35.201	25.71
120	14.95	34.910	25.91
130	14.14	34.843	26.04
140	13.82	34.866	26.12
150	13.72	34.917	26.18
160	13.46	34.897	26.22
170	13.26	34.897	26.26
180	12.80	34.837	26.31
190	12.66	34.830	26.33
200	12.49	34.828	26.36
210	12.34	34.834	26.39
220	12.21	34.828	26.42
230	11.99	34.817	26.45
240	11.79	34.809	26.48
250	11.58	34.798	26.51
260	11.35	34.776	26.54
270	11.24	34.771	26.55
280	11.17	34.784	26.58
290	11.03	34.776	26.60
300	10.86	34.767	26.62
350	10.04	34.721	26.73
400	9.34	34.680	26.81
450	8.65	34.640	26.89
500	7.86	34.592	26.97
550	7.35	34.568	27.03
600	6.81	34.549	27.09
650	6.37	34.536	27.14
700	5.99	34.527	27.18
750	5.65	34.526	27.22
800	5.32	34.525	27.26
850	5.04	34.527	27.30
900	4.82	34.531	27.32
950	4.60	34.537	27.35
1000	4.43	34.540	27.38

EPOCS EP1-86-OC CTD 57 OCEANOGRAPHER

Date 05 04 86 Latitude 14.083 S

Time 1617 Z Longitude 81.183 W



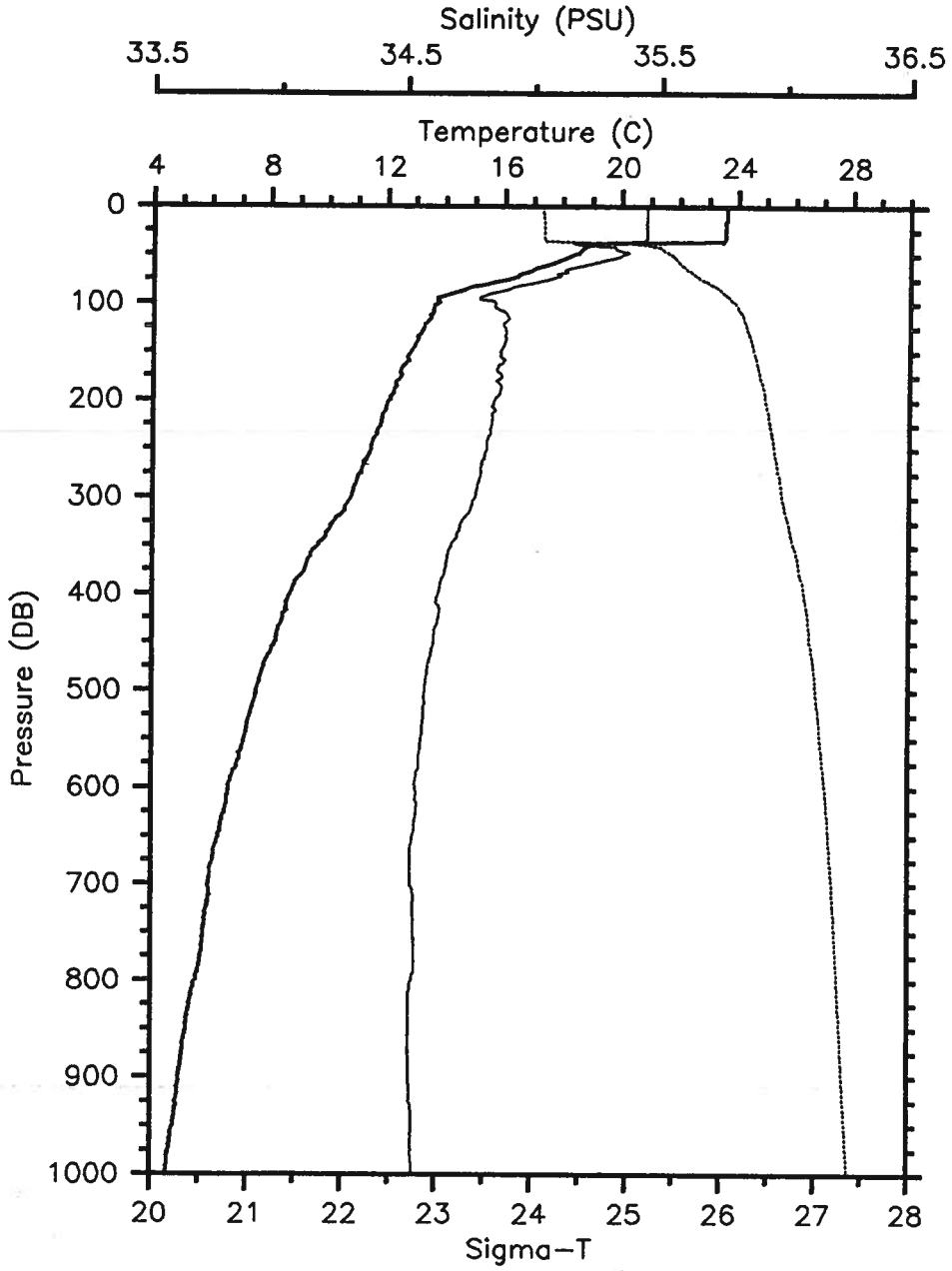
Prs	Tem	Sal	SigT
0	21.99	35.272	24.43
10	21.97	35.272	24.43
20	21.68	35.210	24.47
30	20.44	35.069	24.70
40	18.74	35.078	25.15
50	18.54	35.362	25.41
60	18.08	35.328	25.50
70	17.43	35.231	25.59
80	16.70	35.131	25.69
90	15.27	34.930	25.86
100	15.12	34.999	25.95
110	14.33	34.948	26.08
120	14.06	34.954	26.14
130	13.85	34.957	26.19
140	13.63	34.953	26.23
150	13.37	34.940	26.27
160	13.13	34.917	26.30
170	13.02	34.920	26.33
180	12.79	34.900	26.36
190	12.67	34.897	26.38
200	12.52	34.889	26.40
210	12.28	34.868	26.43
220	12.10	34.855	26.46
230	12.05	34.863	26.47
240	11.98	34.865	26.49
250	11.79	34.852	26.51
260	11.63	34.841	26.54
270	11.53	34.834	26.55
280	11.29	34.811	26.58
290	11.13	34.796	26.59
300	10.86	34.771	26.62
350	9.99	34.715	26.73
400	9.11	34.663	26.84
450	8.43	34.626	26.91
500	7.73	34.583	26.99
550	7.05	34.547	27.05
600	6.47	34.526	27.12
650	6.07	34.515	27.16
700	5.73	34.512	27.20
750	5.48	34.521	27.24
800	5.22	34.524	27.27
850	5.03	34.526	27.30
900	4.76	34.529	27.33
950	4.58	34.532	27.35
1000	4.34	34.536	27.38

EPOCS EP1-86-OC CTD 58 OCEANOGRAPHER

Date 05 04 86 Latitude 13.648 S

Time 2255 Z Longitude 80.303 W

— Tem — Sal
— SigT

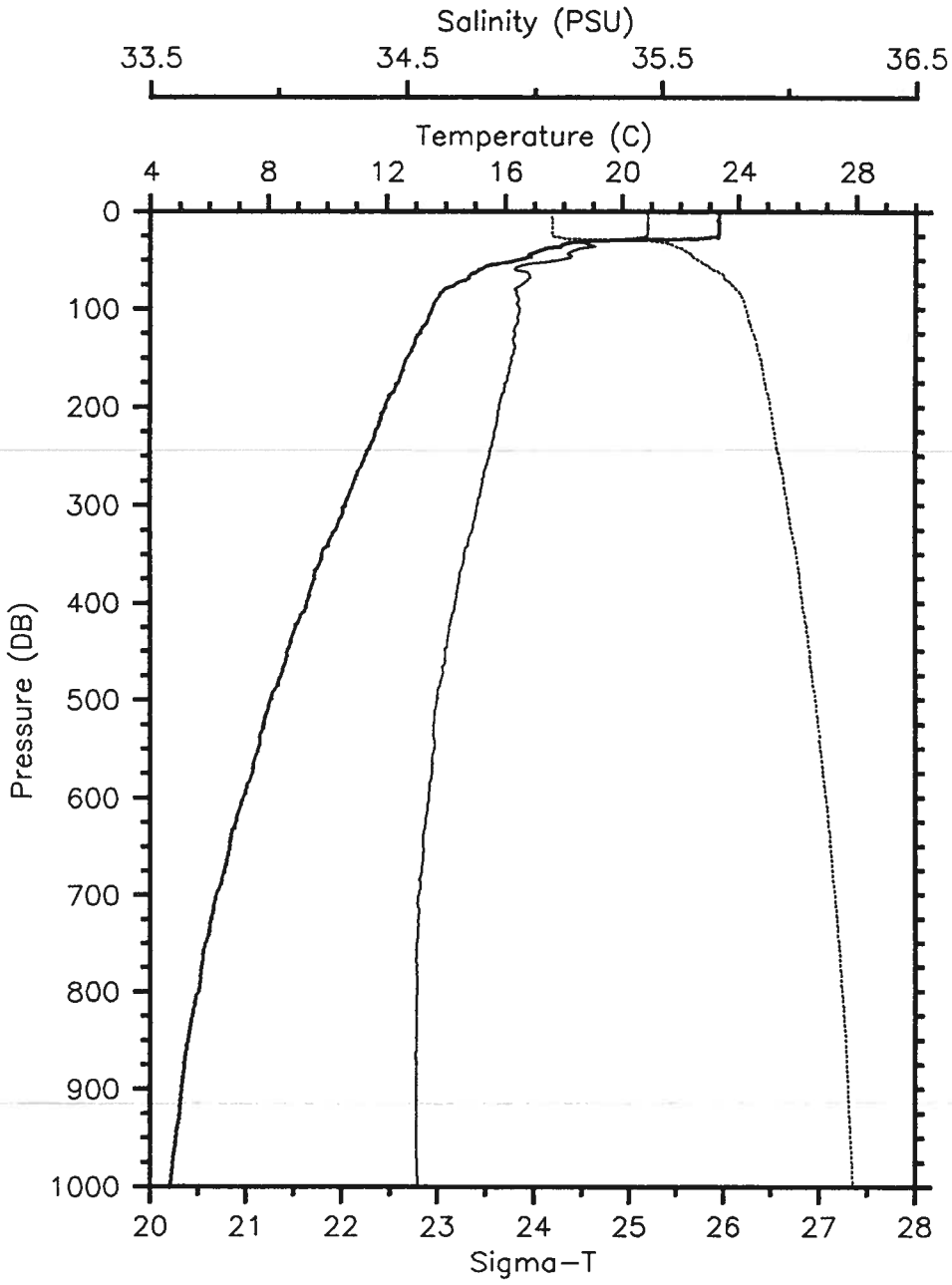


Prs	Tem	Sal	SigT
0	23.61	35.445	24.09
10	23.59	35.445	24.10
20	23.56	35.444	24.11
30	23.55	35.444	24.11
40	18.92	35.184	25.18
50	18.38	35.351	25.45
60	17.53	35.212	25.55
70	16.56	35.092	25.69
80	15.49	34.993	25.86
90	14.19	34.832	26.02
100	13.74	34.851	26.13
110	13.57	34.891	26.19
120	13.35	34.886	26.24
130	13.19	34.894	26.27
140	13.02	34.889	26.30
150	12.82	34.871	26.33
160	12.72	34.884	26.36
170	12.48	34.860	26.39
180	12.35	34.854	26.41
190	12.26	34.871	26.44
200	12.06	34.847	26.46
210	11.97	34.853	26.48
220	11.83	34.841	26.50
230	11.70	34.832	26.52
240	11.55	34.821	26.54
250	11.46	34.819	26.55
260	11.31	34.806	26.57
270	11.16	34.795	26.59
280	11.00	34.791	26.61
290	10.88	34.781	26.63
300	10.79	34.774	26.64
350	9.66	34.683	26.76
400	8.69	34.628	26.88
450	8.20	34.614	26.94
500	7.57	34.580	27.01
550	7.14	34.566	27.06
600	6.62	34.544	27.11
650	6.27	34.533	27.15
700	5.93	34.526	27.19
750	5.77	34.538	27.22
800	5.48	34.530	27.25
850	5.20	34.519	27.27
900	4.96	34.523	27.30
950	4.75	34.533	27.33
1000	4.53	34.536	27.36

EPOCS EP1-86-OC CTD 59 OCEANOGRAPHER

Date 05 05 86 Latitude 13.158 S

Time 0212 Z Longitude 79.398 W

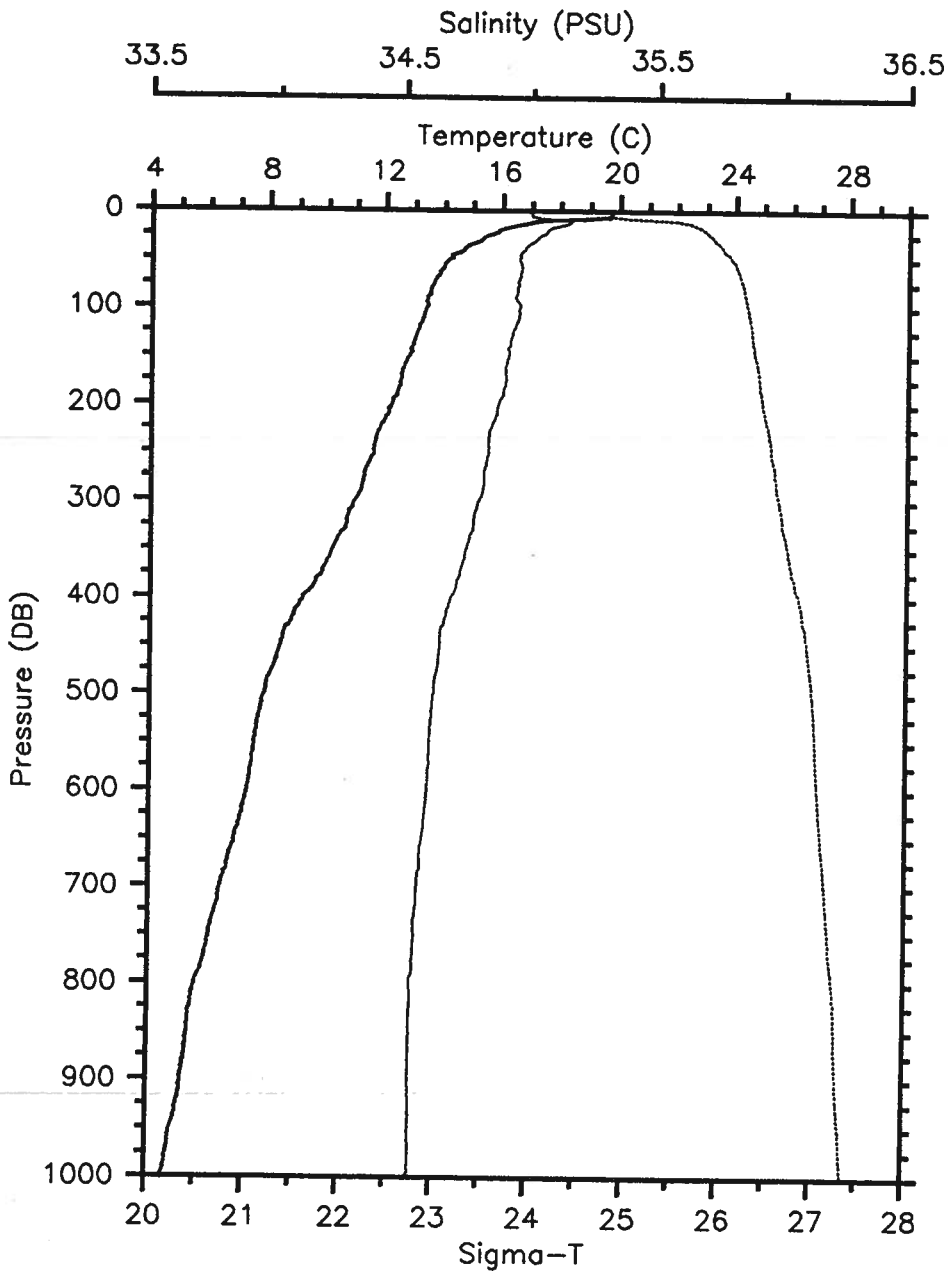


Prs	Tem	Sal	SigT
0	23.31	35.448	24.19
10	23.31	35.447	24.18
20	23.31	35.448	24.18
30	19.03	35.235	25.19
40	17.19	35.154	25.59
50	16.44	35.101	25.73
60	15.14	34.925	25.88
70	14.72	34.972	26.01
80	13.99	34.920	26.13
90	13.70	34.939	26.20
100	13.55	34.941	26.24
110	13.40	34.933	26.26
120	13.19	34.922	26.29
130	13.00	34.917	26.33
140	12.89	34.923	26.36
150	12.69	34.909	26.38
160	12.56	34.904	26.41
170	12.45	34.897	26.42
180	12.29	34.884	26.44
190	12.09	34.871	26.47
200	11.97	34.864	26.49
210	11.83	34.856	26.51
220	11.73	34.850	26.52
230	11.60	34.842	26.54
240	11.46	34.834	26.56
250	11.30	34.825	26.58
260	11.16	34.813	26.60
270	10.99	34.804	26.62
280	10.89	34.796	26.64
290	10.75	34.788	26.66
300	10.63	34.780	26.67
350	9.85	34.728	26.77
400	9.31	34.692	26.83
450	8.66	34.655	26.90
500	8.10	34.622	26.96
550	7.67	34.611	27.02
600	7.15	34.591	27.08
650	6.70	34.569	27.12
700	6.24	34.551	27.17
750	5.87	34.544	27.21
800	5.63	34.546	27.24
850	5.28	34.543	27.28
900	5.06	34.543	27.31
950	4.87	34.544	27.33
1000	4.67	34.547	27.35

EPOCS EP1-86-OC CTD 60 OCEANOGRAPHER

Date 05 05 86 Latitude 12.838 S

Time 1013 Z Longitude 78.700 W

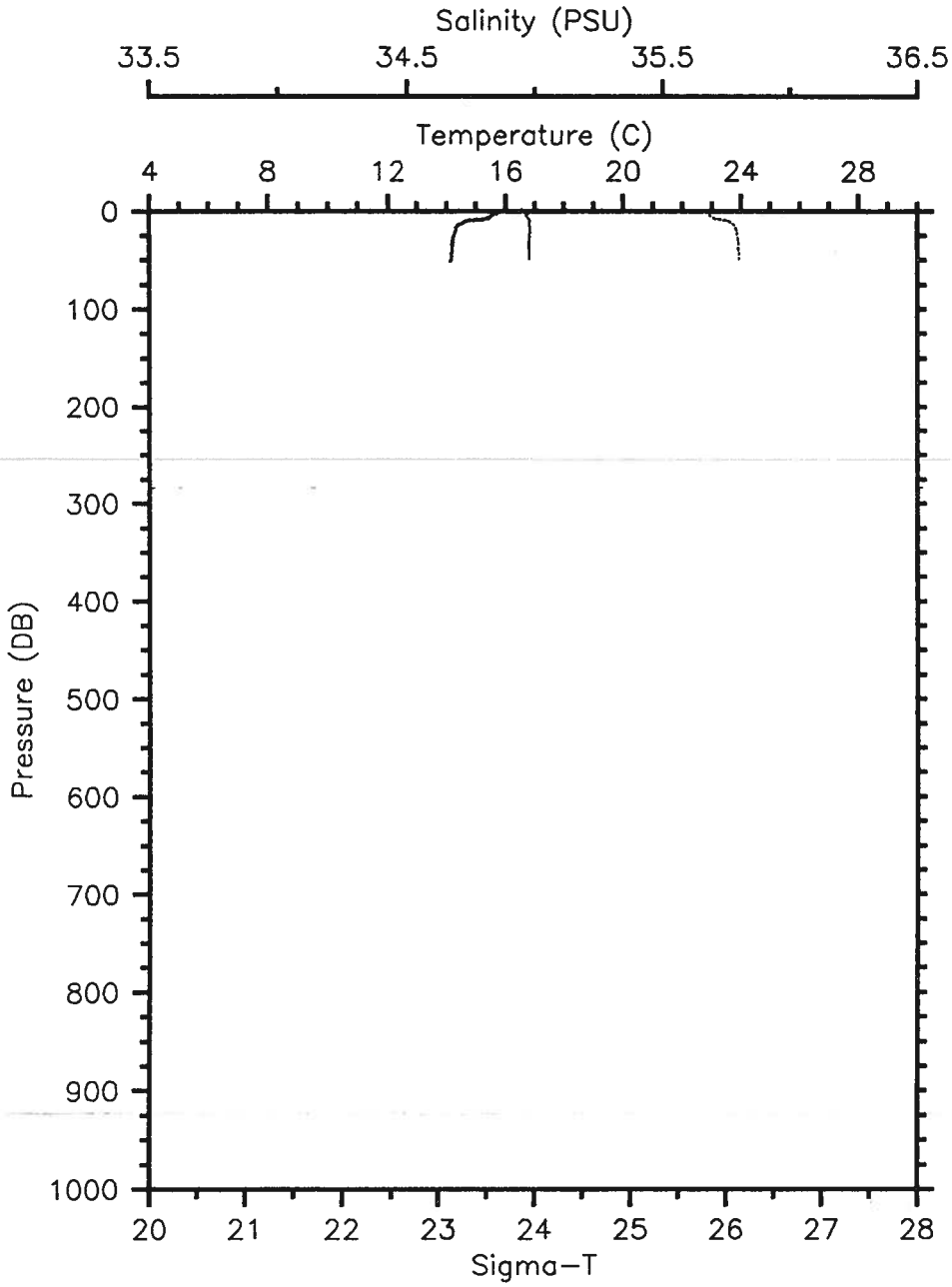


Prs	Tem	Sal	SigT
0	19.68	34.998	24.85
10	17.51	35.155	25.51
20	15.91	35.064	25.82
30	15.28	35.017	25.92
40	14.68	34.973	26.02
50	14.19	34.951	26.11
60	13.93	34.963	26.17
70	13.72	34.953	26.21
80	13.55	34.945	26.24
90	13.44	34.938	26.26
100	13.40	34.955	26.28
110	13.29	34.953	26.30
120	13.15	34.938	26.32
130	13.02	34.923	26.33
140	12.90	34.915	26.35
150	12.80	34.912	26.37
160	12.64	34.901	26.39
170	12.56	34.903	26.41
180	12.50	34.900	26.42
190	12.39	34.894	26.43
200	12.23	34.873	26.45
210	12.11	34.867	26.46
220	11.89	34.851	26.49
230	11.71	34.838	26.52
240	11.63	34.835	26.53
250	11.58	34.835	26.54
260	11.43	34.826	26.56
270	11.28	34.817	26.58
280	11.22	34.817	26.59
290	11.14	34.812	26.60
300	10.94	34.797	26.63
350	10.19	34.746	26.72
400	9.18	34.684	26.84
450	8.41	34.645	26.93
500	7.90	34.622	26.99
550	7.55	34.606	27.03
600	7.32	34.598	27.06
650	6.91	34.578	27.10
700	6.43	34.559	27.15
750	6.07	34.550	27.19
800	5.59	34.534	27.24
850	5.35	34.535	27.27
900	5.16	34.536	27.29
950	4.82	34.537	27.33
1000	4.55	34.533	27.36

EPOCS EP1-86-OC CTD 61 OCEANOGRAPHER

Date 05 05 86 Latitude 11.998 S

Time 2211 Z Longitude 77.235 W

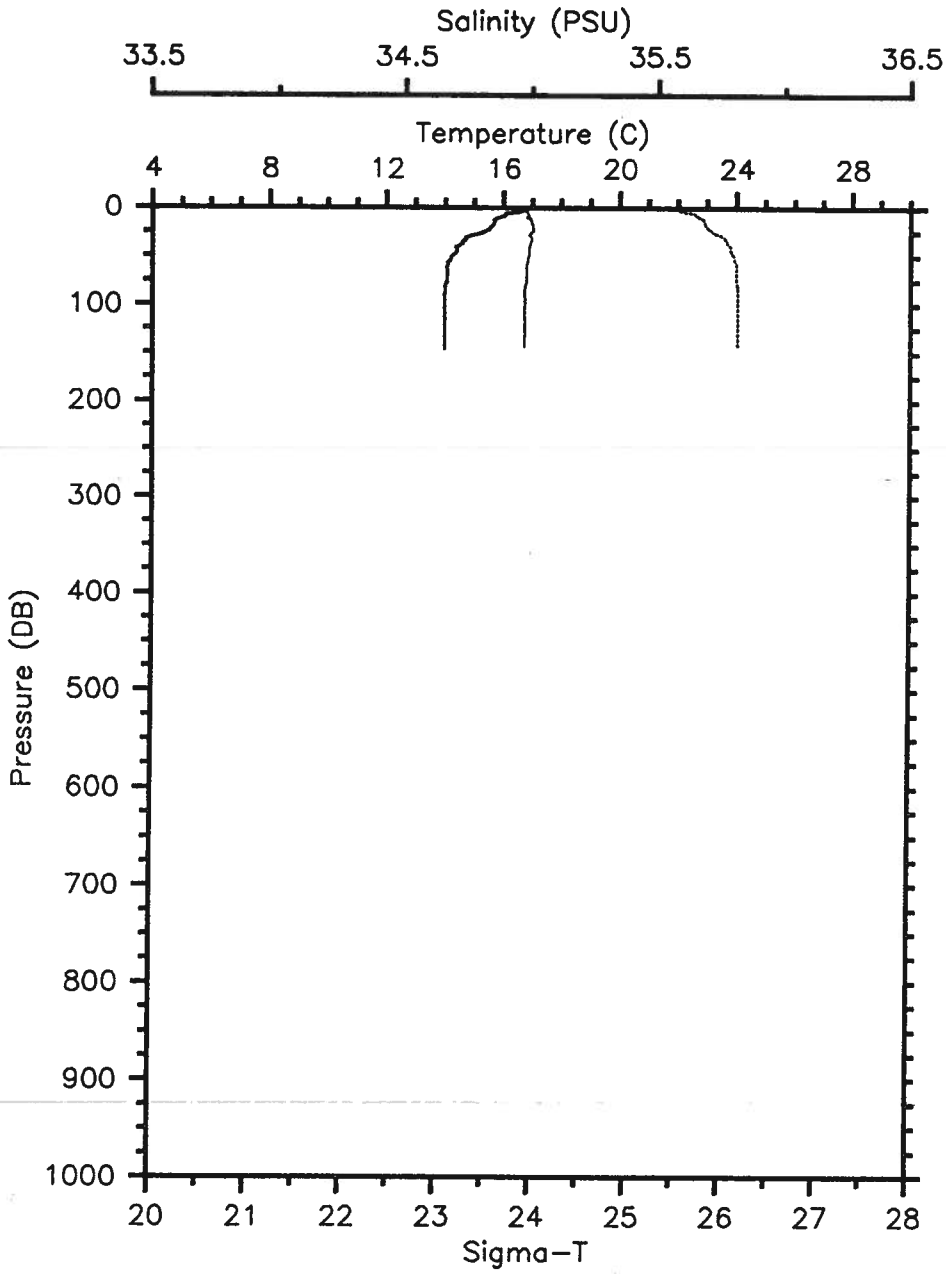


Prs	Tem	Sal	SigT
0	15.57	34.969	25.82
10	14.72	34.981	26.02
20	14.31	34.980	26.11
30	14.22	34.978	26.12
40	14.20	34.977	26.13
50	14.17	34.977	26.13

EPOCS EP1-86-OC CTD 62 OCEANOGRAPHER

Date 05 06 86 Latitude 12.172 S

Time 0008 Z Longitude 77.533 W

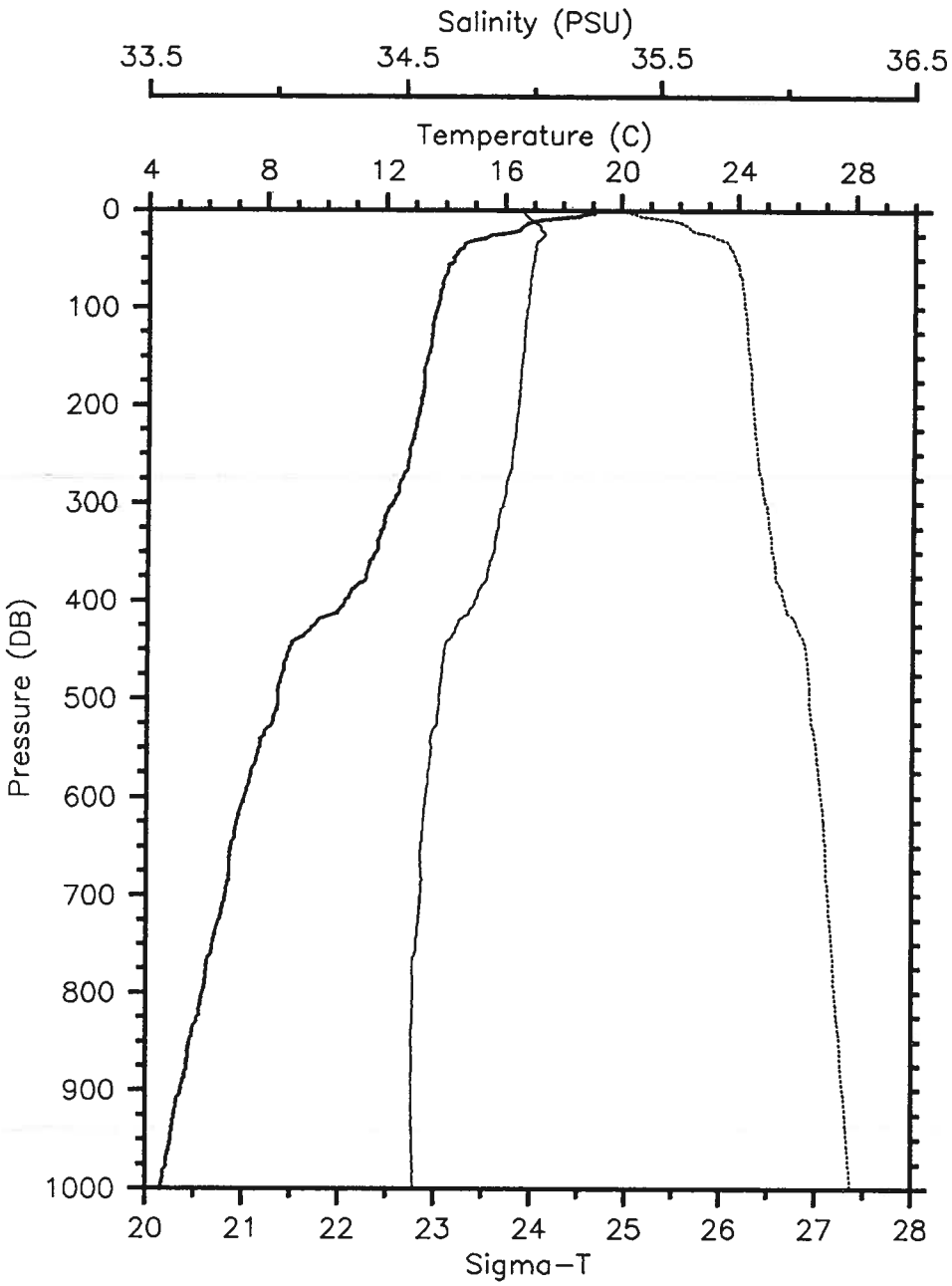


Prs	Tem	Sal	SigT
0	16.93	34.959	25.50
10	15.85	34.976	25.77
20	15.56	35.003	25.85
30	14.74	34.996	26.03
40	14.41	34.988	26.09
50	14.24	34.986	26.13
60	14.08	34.977	26.15
70	14.07	34.977	26.15
80	14.02	34.973	26.16
90	13.99	34.970	26.17
100	13.99	34.970	26.17
110	13.99	34.970	26.17
120	13.98	34.970	26.17
130	13.98	34.971	26.17
140	13.98	34.970	26.17

EPOCS EP1-86-OC CTD 63 OCEANOGRAPHER

Date 05 06 86 Latitude 12.343 S

Time 0124 Z Longitude 77.807 W

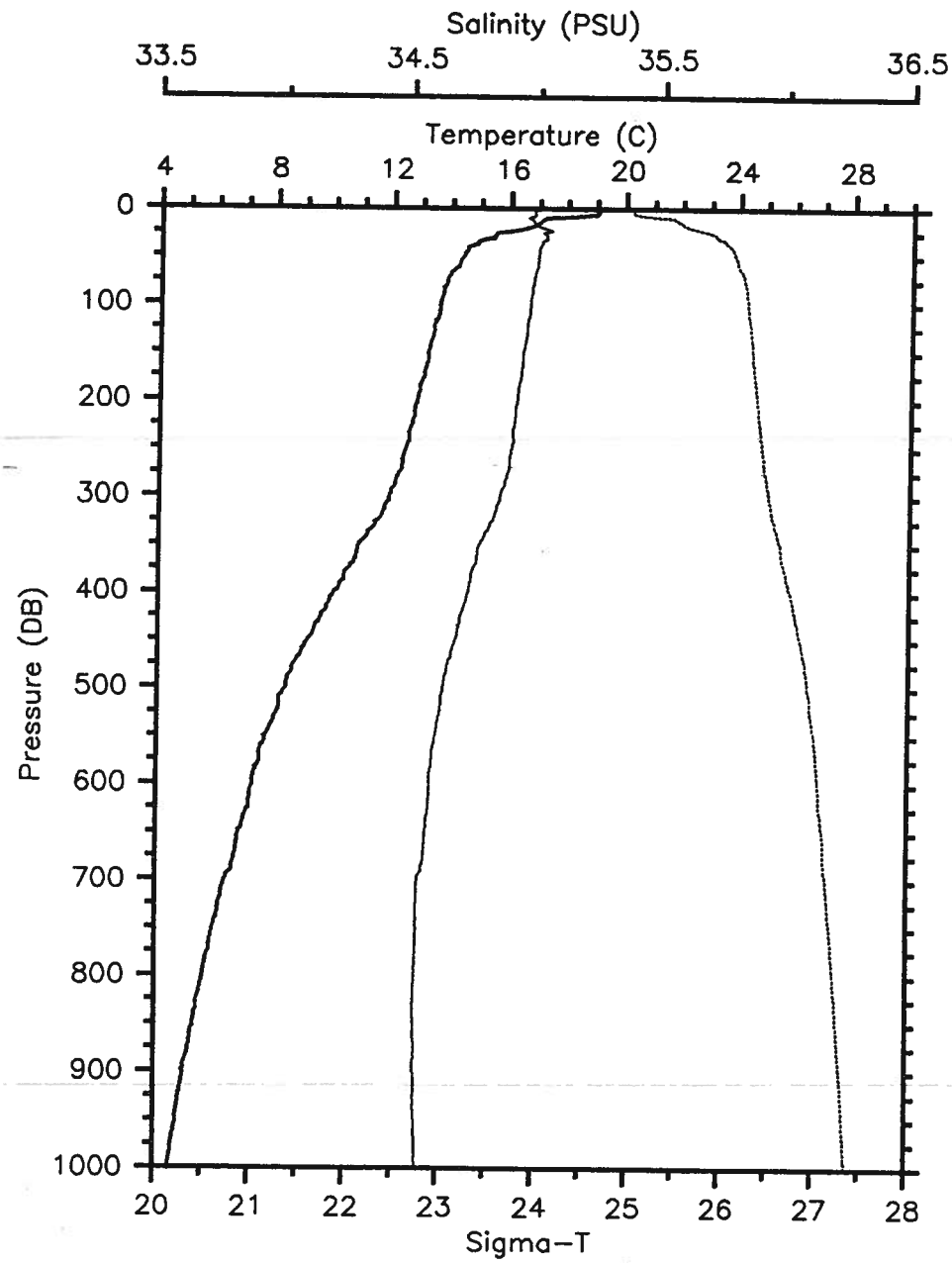


Prs	Tem	Sal	SigT
0	19.09	34.959	24.97
10	17.25	34.990	25.45
20	16.51	35.022	25.65
30	15.02	35.024	25.99
40	14.50	35.007	26.09
50	14.29	35.000	26.13
60	14.08	34.992	26.16
70	13.93	34.986	26.19
80	13.87	34.982	26.20
90	13.80	34.979	26.21
100	13.72	34.975	26.23
110	13.63	34.969	26.24
120	13.57	34.966	26.25
130	13.53	34.963	26.26
140	13.50	34.963	26.26
150	13.40	34.956	26.28
160	13.31	34.951	26.29
170	13.28	34.948	26.30
180	13.27	34.947	26.30
190	13.23	34.944	26.30
200	13.18	34.941	26.31
210	13.10	34.936	26.32
220	13.03	34.932	26.33
230	12.97	34.928	26.34
240	12.87	34.923	26.36
250	12.82	34.919	26.37
260	12.76	34.915	26.38
270	12.63	34.905	26.39
280	12.47	34.895	26.42
290	12.42	34.893	26.43
300	12.25	34.883	26.45
350	11.70	34.850	26.53
400	10.66	34.775	26.66
450	8.78	34.657	26.88
500	8.41	34.638	26.93
550	7.78	34.608	27.00
600	7.29	34.587	27.05
650	6.86	34.572	27.10
700	6.66	34.569	27.13
750	6.24	34.553	27.17
800	5.91	34.543	27.20
850	5.47	34.536	27.25
900	5.18	34.537	27.29
950	4.84	34.540	27.33
1000	4.49	34.546	27.37

EPOCS EP1-86-OC CTD 64 OCEANOGRAPHER

Date 05 06 86 Latitude 12.535 S

Time 0538 Z Longitude 78.088 W

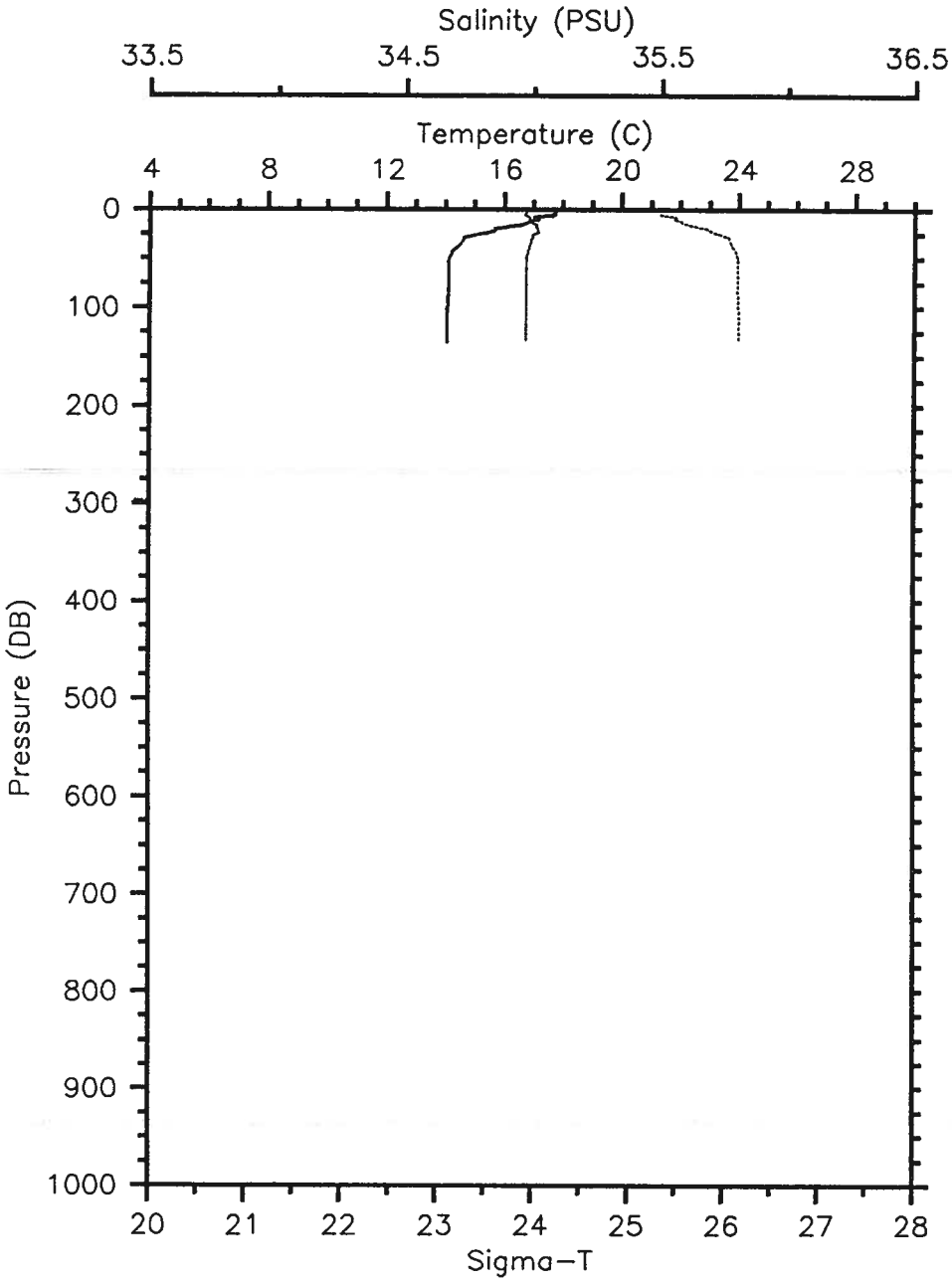


Prs	Tem	Sal	SigT
0	19.07	34.978	24.99
10	17.25	34.954	25.42
20	16.62	35.003	25.61
30	15.43	35.025	25.90
40	14.56	35.001	26.07
50	14.37	34.994	26.10
60	14.22	34.993	26.14
70	13.91	34.982	26.19
80	13.80	34.976	26.21
90	13.69	34.970	26.23
100	13.62	34.966	26.24
110	13.58	34.964	26.25
120	13.43	34.955	26.27
130	13.39	34.954	26.28
140	13.30	34.949	26.29
150	13.22	34.939	26.30
160	13.21	34.940	26.31
170	13.11	34.933	26.32
180	13.02	34.929	26.33
190	12.94	34.923	26.35
200	12.87	34.919	26.36
210	12.78	34.914	26.37
220	12.74	34.911	26.38
230	12.63	34.904	26.39
240	12.59	34.905	26.40
250	12.48	34.900	26.42
260	12.38	34.892	26.43
270	12.35	34.890	26.44
280	12.18	34.880	26.46
290	12.08	34.869	26.47
300	11.92	34.855	26.49
350	10.90	34.773	26.62
400	10.05	34.732	26.73
450	9.17	34.682	26.84
500	8.41	34.638	26.93
550	7.71	34.606	27.01
600	7.31	34.587	27.05
650	6.85	34.572	27.10
700	6.39	34.543	27.14
750	6.00	34.539	27.19
800	5.66	34.533	27.23
850	5.33	34.529	27.26
900	5.00	34.531	27.30
950	4.76	34.537	27.34
1000	4.51	34.542	27.37

EPOCS EP1-86-OC CTD 65 OCEANOGRAPHER

Date 05 06 86 Latitude 11.942 S

Time 1225 Z Longitude 77.503 W

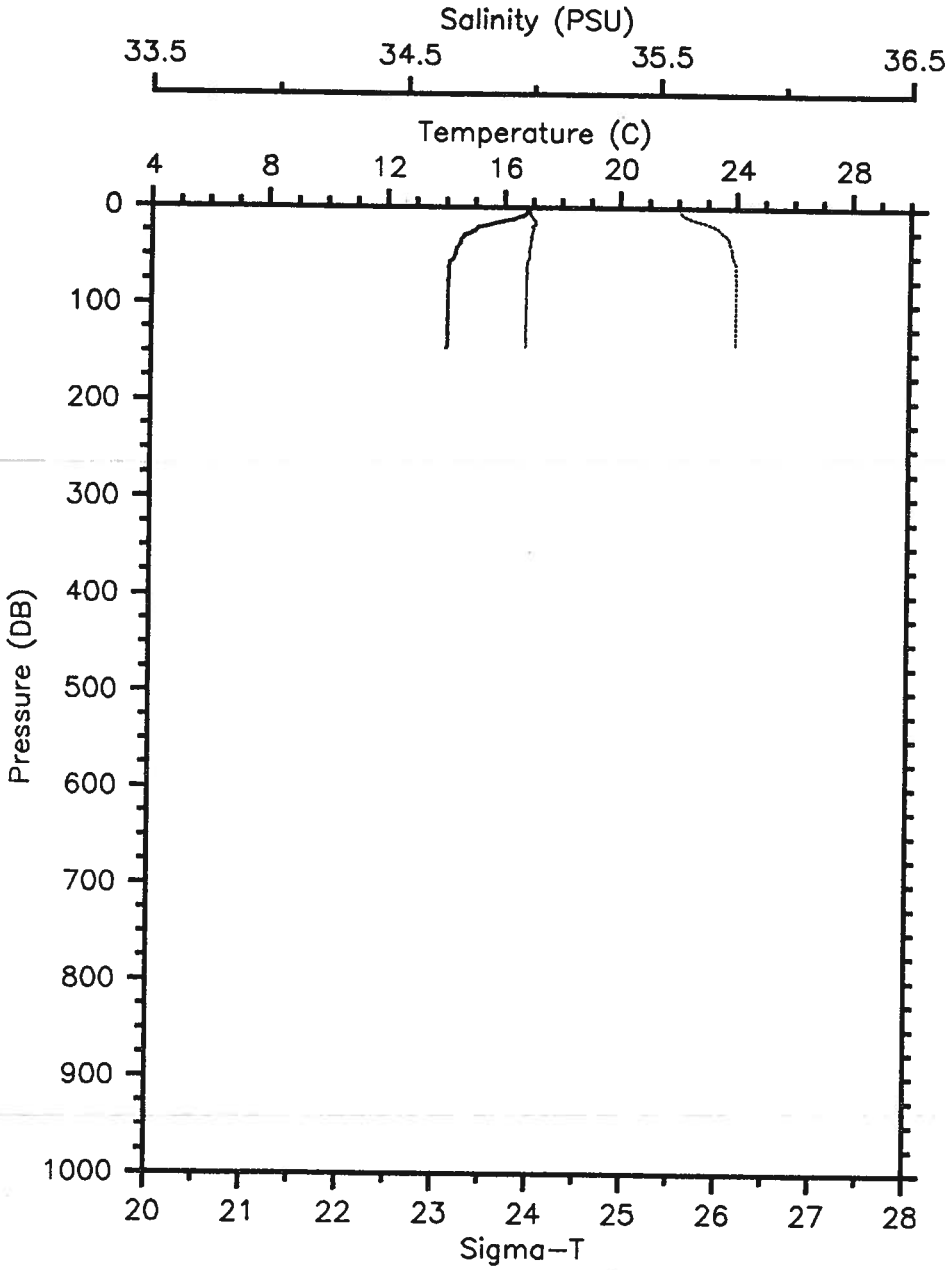


Prs	Tem	Sal	SigT
0	17.72	34.972	25.32
10	17.14	34.983	25.47
20	15.71	35.015	25.83
30	14.62	34.990	26.05
40	14.33	34.983	26.10
50	14.14	34.972	26.14
60	14.12	34.972	26.14
70	14.12	34.972	26.14
80	14.11	34.972	26.14
90	14.10	34.972	26.14
100	14.08	34.971	26.15
110	14.07	34.971	26.15
120	14.07	34.972	26.15
130	14.07	34.972	26.15

EPOCS EP1-86-OC CTD 66 OCEANOGRAPHER

Date 05 07 86 Latitude 9.935 S

Time 0316 Z Longitude 78.545 W

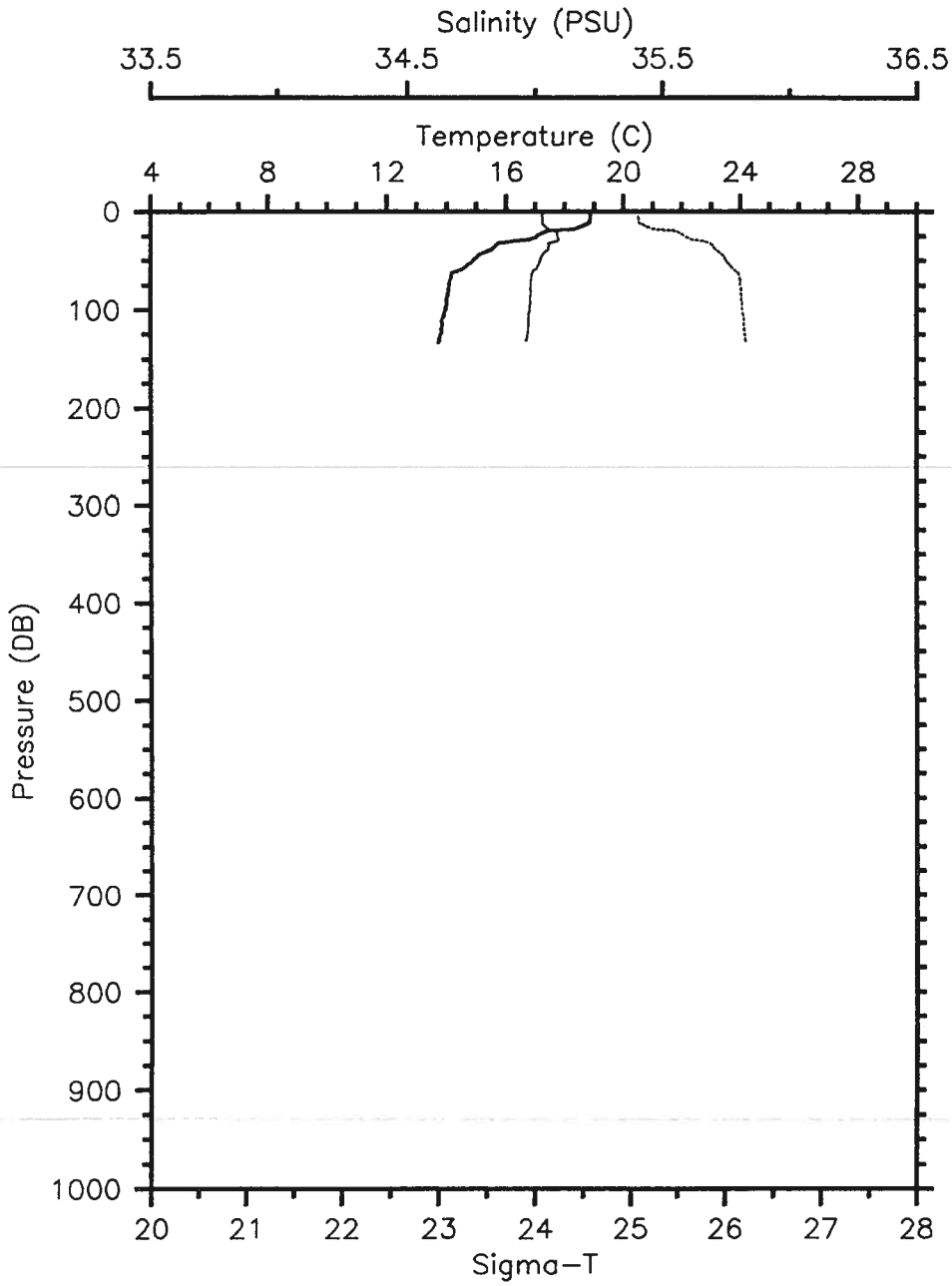


Prs	Tem	Sal	SigT
0	16.80	34.984	25.55
10	16.47	34.994	25.64
20	15.14	34.996	25.94
30	14.60	34.991	26.05
40	14.40	34.988	26.09
50	14.29	34.984	26.11
60	14.10	34.975	26.15
70	14.09	34.975	26.15
80	14.08	34.975	26.15
90	14.08	34.975	26.15
100	14.07	34.974	26.15
110	14.07	34.974	26.15
120	14.06	34.974	26.15
130	14.06	34.973	26.15
140	14.06	34.974	26.15

EPOCS EP1-86-OC CTD 67 OCEANOGRAPHER

Date 05 07 86 Latitude 10.130 S

Time 0800 Z Longitude 78.998 W

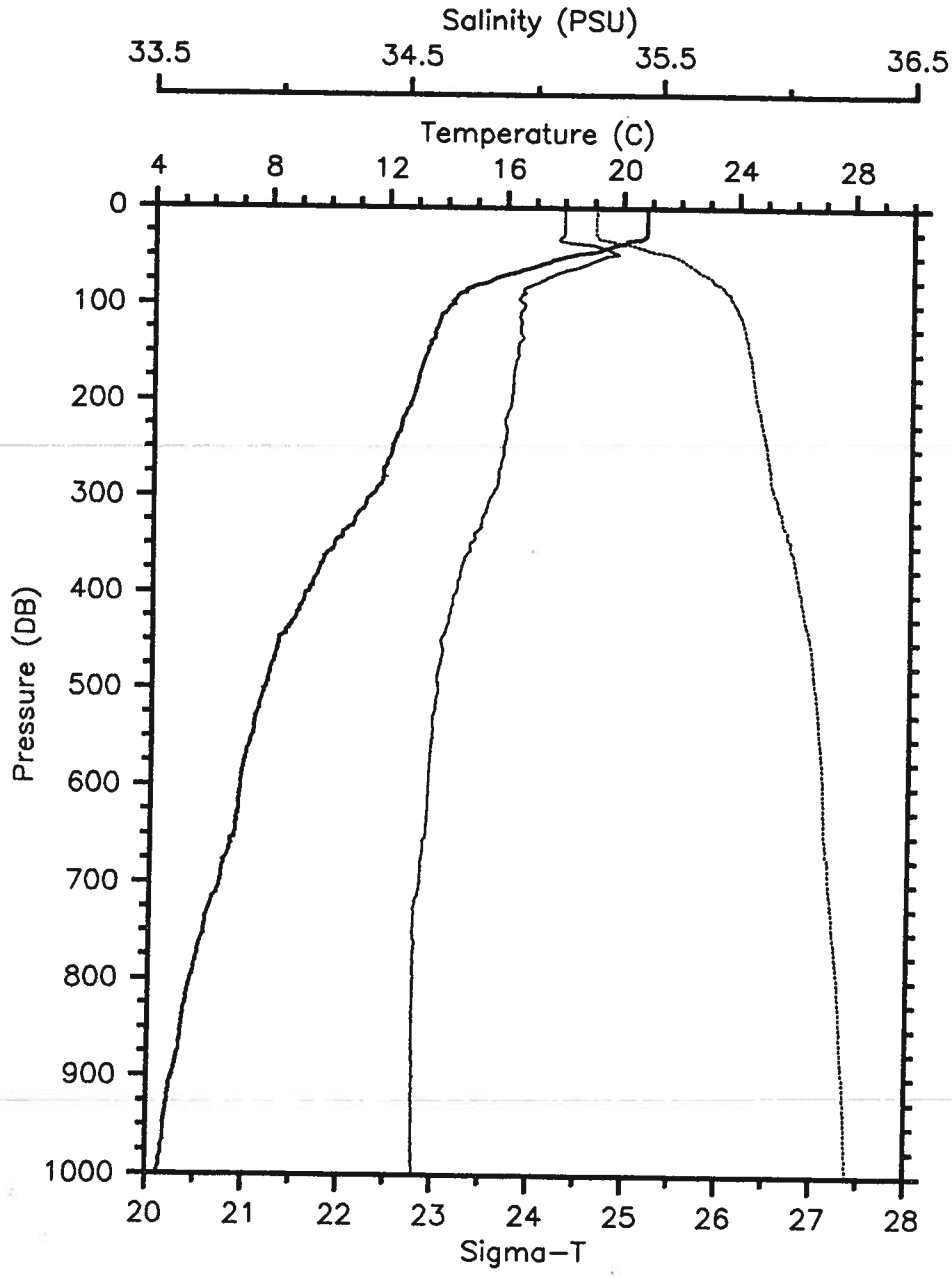


Prs	Tem	Sal	SigT
0	18.88	35.027	25.07
10	18.85	35.027	25.08
20	17.40	35.081	25.48
30	16.24	35.083	25.76
40	15.41	35.042	25.91
50	14.91	35.019	26.01
60	14.38	34.990	26.10
70	14.11	34.983	26.15
80	14.07	34.982	26.16
90	14.01	34.979	26.17
100	13.97	34.978	26.18
110	13.86	34.972	26.20
120	13.83	34.971	26.20
130	13.76	34.965	26.21

EPOCS EP1-86-OC CTD 68 OCEANOGRAPHER

Date 05 07 86 Latitude 10.308 S

Time 1044 Z Longitude 79.500 W

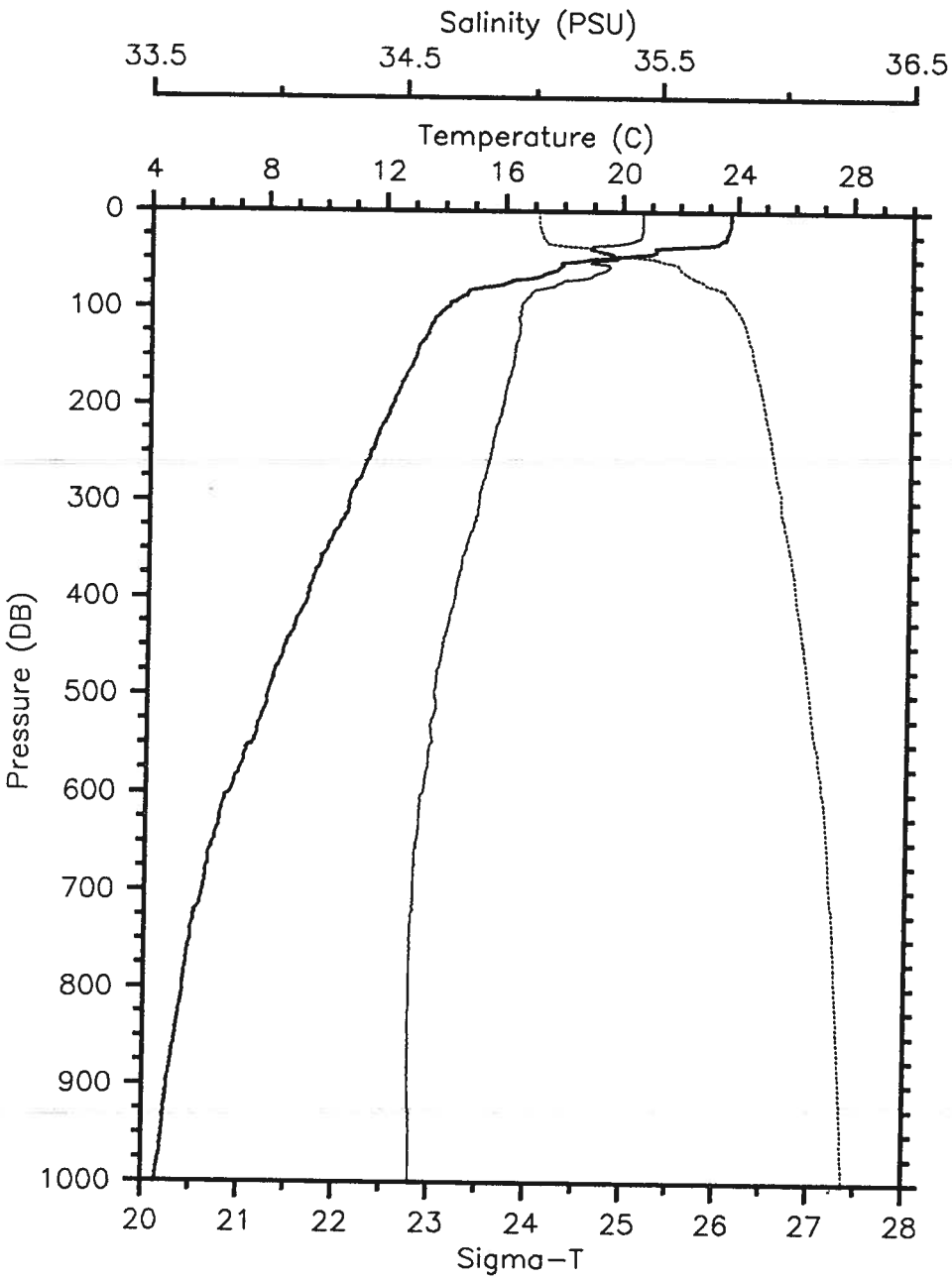


Prs	Tem	Sal	SigT
0	20.81	35.113	24.63
10	20.81	35.113	24.63
20	20.81	35.113	24.63
30	20.73	35.102	24.65
40	19.55	35.249	25.07
50	18.05	35.276	25.47
60	17.00	35.181	25.65
70	15.88	35.066	25.83
80	14.98	34.986	25.97
90	14.36	34.941	26.07
100	14.15	34.958	26.12
110	13.83	34.940	26.18
120	13.70	34.943	26.21
130	13.58	34.941	26.23
140	13.45	34.935	26.25
150	13.32	34.932	26.28
160	13.19	34.923	26.30
170	13.08	34.916	26.31
180	13.01	34.915	26.33
190	12.92	34.914	26.34
200	12.82	34.908	26.36
210	12.65	34.897	26.38
220	12.49	34.883	26.40
230	12.45	34.890	26.42
240	12.28	34.887	26.45
250	12.16	34.879	26.46
260	12.05	34.874	26.48
270	11.90	34.865	26.50
280	11.85	34.860	26.51
290	11.68	34.852	26.54
300	11.40	34.830	26.57
350	10.19	34.749	26.72
400	9.22	34.696	26.85
450	8.31	34.638	26.94
500	7.83	34.628	27.01
550	7.41	34.611	27.05
600	7.05	34.596	27.09
650	6.86	34.586	27.11
700	6.37	34.564	27.16
750	5.86	34.541	27.21
800	5.42	34.543	27.26
850	5.14	34.542	27.30
900	4.84	34.550	27.34
950	4.59	34.547	27.36
1000	4.38	34.552	27.39

EPOCS EP1-86-OC CTD 69 OCEANOGRAPHER

Date 05 07 86 Latitude 10.510 S

Time 1329 Z Longitude 79.998 W

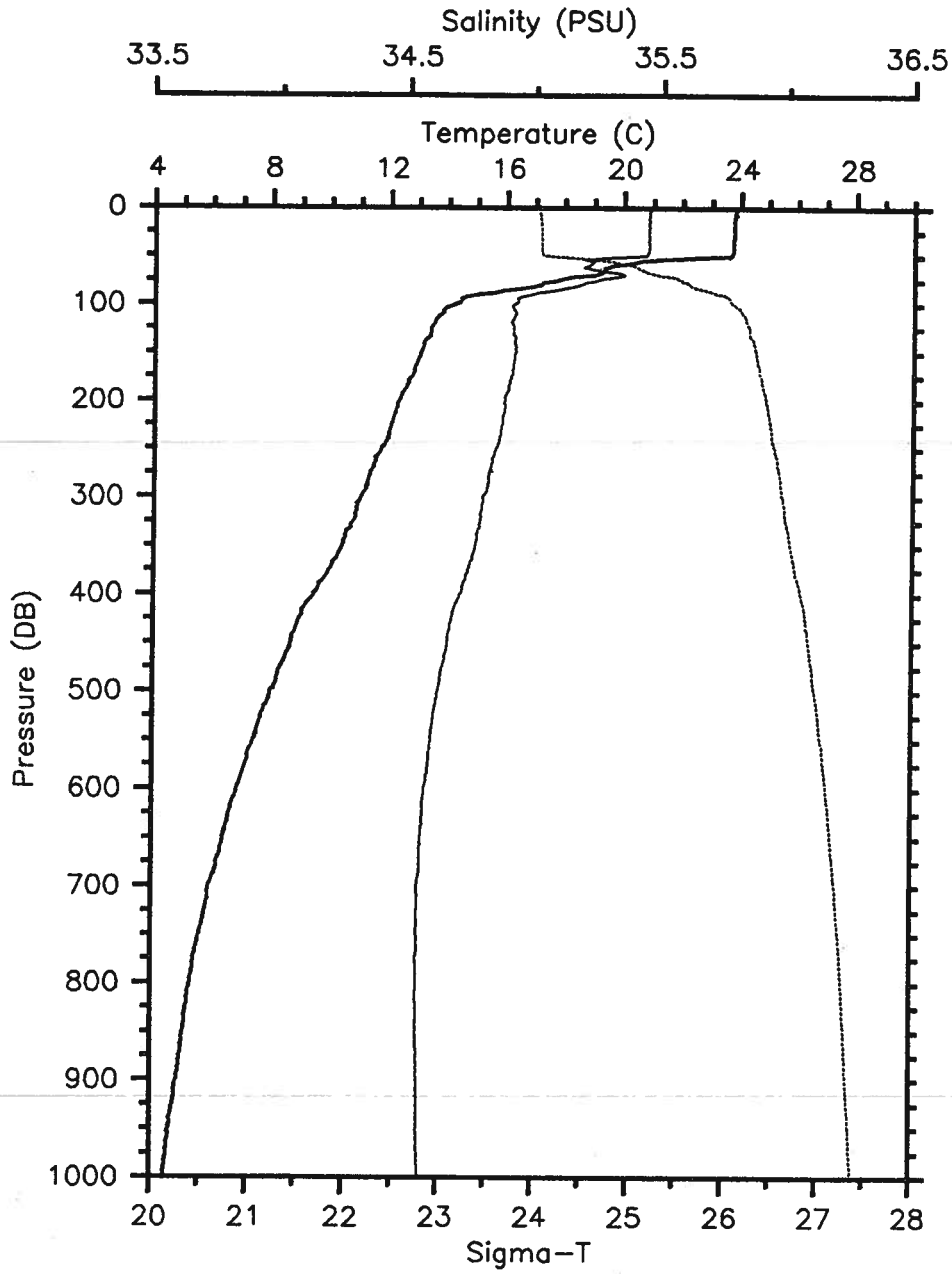


Prs	Tem	Sal	SigT
0	23.75	35.423	24.04
10	23.74	35.423	24.04
20	23.68	35.423	24.06
30	23.44	35.393	24.11
40	21.15	35.215	24.62
50	18.92	35.328	25.29
60	17.80	35.285	25.54
70	16.80	35.189	25.71
80	15.24	35.037	25.95
90	14.48	34.970	26.06
100	14.05	34.953	26.14
110	13.69	34.940	26.21
120	13.50	34.945	26.25
130	13.38	34.939	26.27
140	13.12	34.928	26.31
150	13.03	34.925	26.33
160	12.90	34.919	26.35
170	12.71	34.908	26.38
180	12.52	34.897	26.41
190	12.37	34.889	26.43
200	12.25	34.884	26.45
210	12.13	34.876	26.47
220	11.96	34.864	26.49
230	11.80	34.853	26.51
240	11.67	34.845	26.53
250	11.55	34.838	26.55
260	11.42	34.829	26.57
270	11.28	34.822	26.59
280	11.07	34.806	26.61
290	10.90	34.797	26.64
300	10.82	34.792	26.65
350	10.08	34.746	26.74
400	9.44	34.705	26.82
450	8.68	34.661	26.90
500	8.12	34.630	26.97
550	7.60	34.619	27.03
600	6.84	34.588	27.12
650	6.28	34.565	27.17
700	5.98	34.557	27.21
750	5.56	34.546	27.25
800	5.33	34.545	27.28
850	5.09	34.544	27.30
900	4.83	34.546	27.34
950	4.66	34.553	27.36
1000	4.45	34.554	27.38

EPOCS EP1-86-OC CTD 70 OCEANOGRAPHER

Date 05 07 86 Latitude 10.515 S

Time 1831 Z Longitude 80.492 W

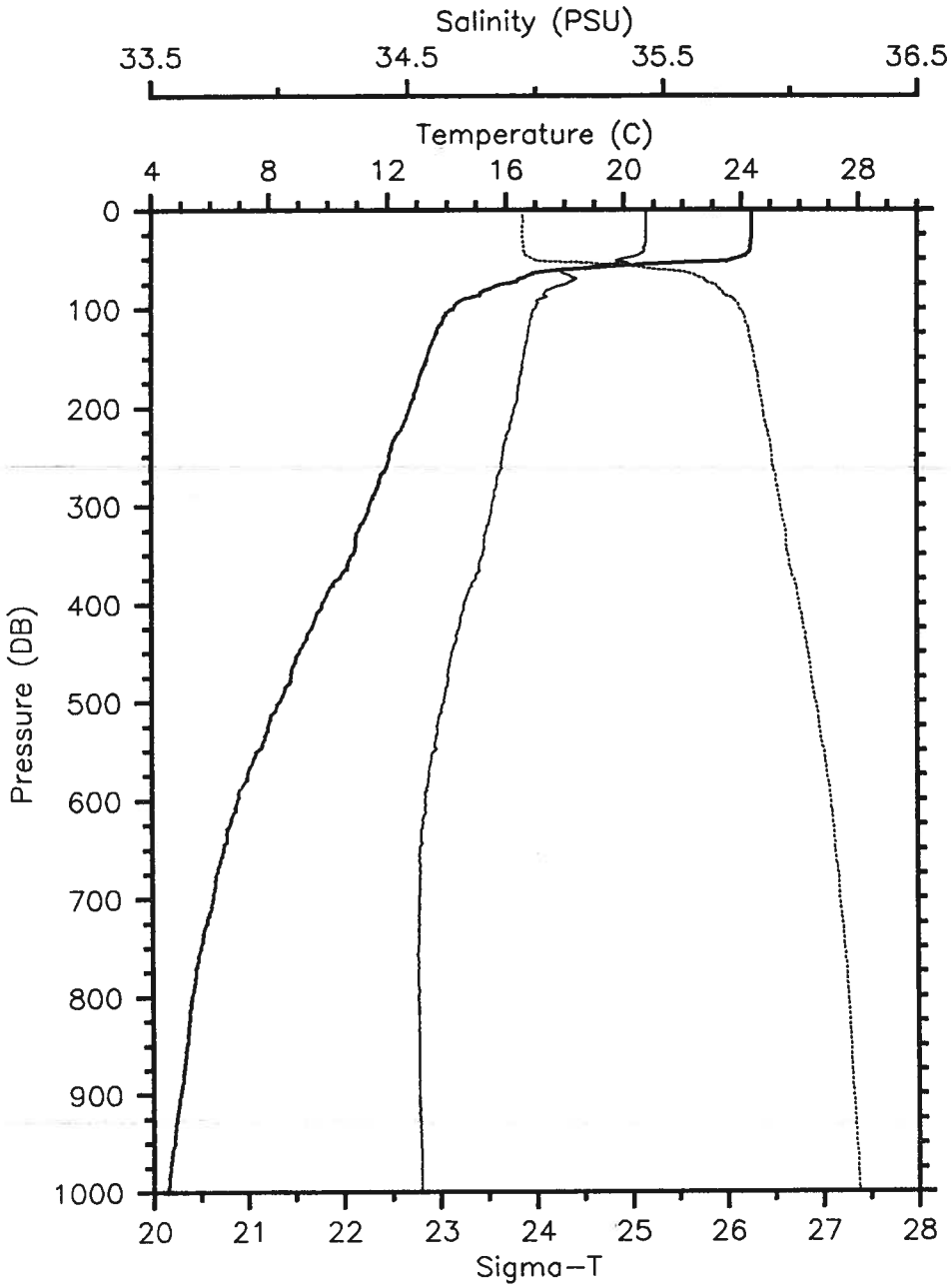


Prs	Tem	Sal	SigT
0	23.82	35.447	24.04
10	23.78	35.441	24.04
20	23.75	35.444	24.05
30	23.75	35.444	24.05
40	23.74	35.444	24.06
50	23.62	35.428	24.08
60	19.64	35.207	25.02
70	19.00	35.348	25.29
80	17.17	35.180	25.61
90	14.99	34.982	25.96
100	14.22	34.917	26.08
110	13.78	34.922	26.17
120	13.48	34.906	26.22
130	13.38	34.912	26.25
140	13.15	34.916	26.30
150	13.03	34.919	26.32
160	12.93	34.913	26.34
170	12.82	34.908	26.36
180	12.64	34.899	26.39
190	12.47	34.890	26.41
200	12.31	34.877	26.43
210	12.21	34.877	26.45
220	12.10	34.871	26.47
230	11.98	34.863	26.49
240	11.89	34.857	26.50
250	11.70	34.842	26.52
260	11.52	34.827	26.55
270	11.40	34.823	26.56
280	11.28	34.815	26.58
290	11.19	34.810	26.59
300	11.01	34.792	26.61
350	10.39	34.764	26.70
400	9.44	34.704	26.81
450	8.68	34.656	26.90
500	8.00	34.619	26.97
550	7.43	34.593	27.04
600	6.87	34.569	27.10
650	6.43	34.555	27.15
700	5.96	34.544	27.20
750	5.64	34.543	27.24
800	5.34	34.543	27.27
850	5.09	34.543	27.30
900	4.89	34.546	27.33
950	4.62	34.546	27.36
1000	4.47	34.554	27.38

EPOCS EP1-86-OC CTD 71 OCEANOGRAPHER

Date 05 07 86 Latitude 10.502 S

Time 2148 Z Longitude 80.990 W

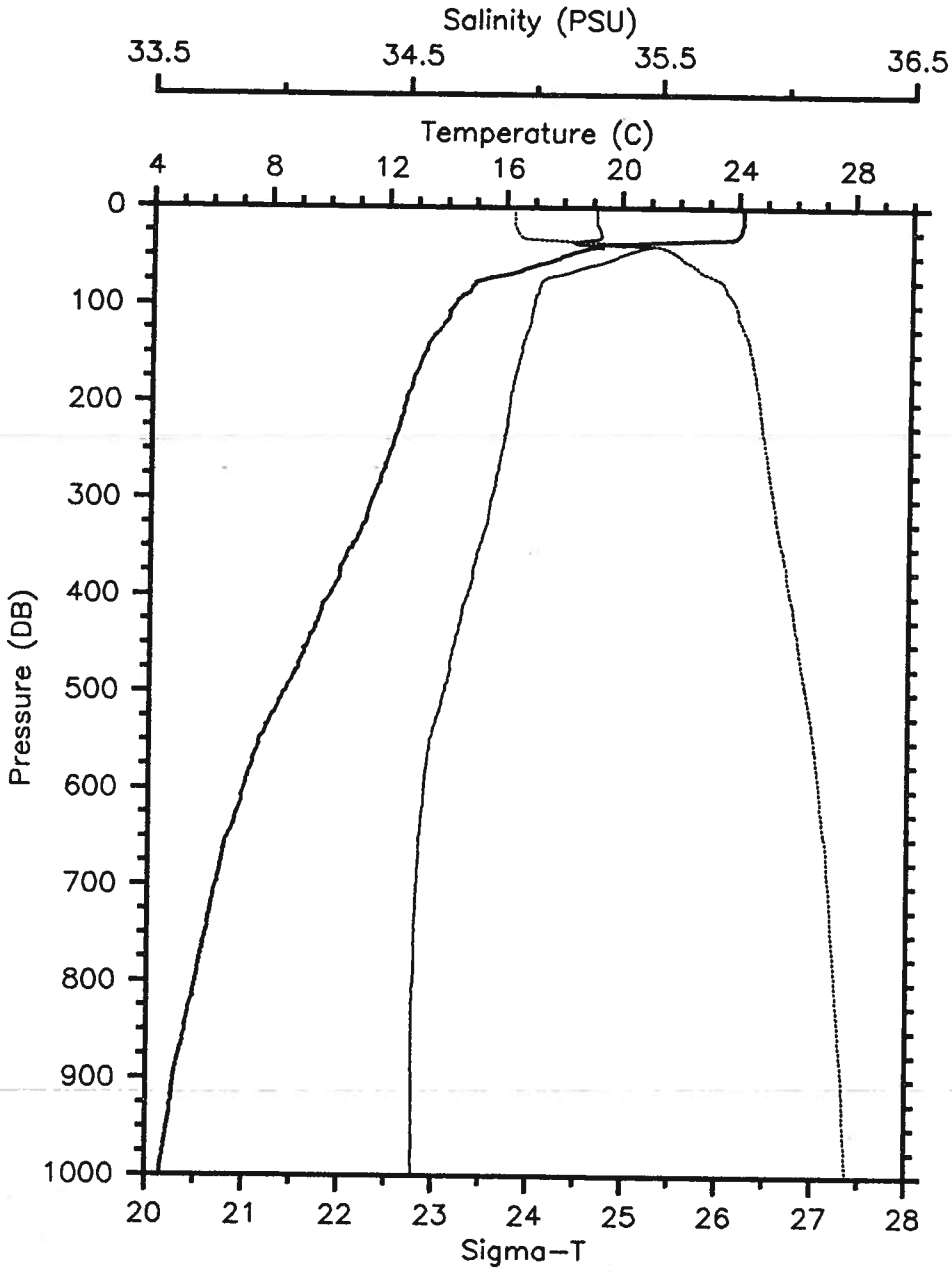


Prs	Tem	Sal	SigT
0	24.35	35.433	23.87
10	24.34	35.432	23.87
20	24.35	35.432	23.87
30	24.33	35.431	23.87
40	24.30	35.426	23.88
50	23.77	35.340	23.97
60	18.44	35.080	25.23
70	16.46	35.160	25.77
80	15.50	35.063	25.91
90	14.59	35.021	26.08
100	14.24	34.999	26.14
110	13.89	34.982	26.20
120	13.69	34.974	26.23
130	13.59	34.969	26.25
140	13.43	34.960	26.28
150	13.33	34.954	26.29
160	13.22	34.949	26.31
170	13.09	34.940	26.33
180	13.00	34.933	26.34
190	12.90	34.932	26.36
200	12.74	34.919	26.38
210	12.64	34.908	26.39
220	12.49	34.901	26.42
230	12.28	34.888	26.45
240	12.14	34.877	26.47
250	12.07	34.873	26.48
260	11.98	34.869	26.49
270	11.78	34.852	26.52
280	11.69	34.848	26.53
290	11.53	34.841	26.55
300	11.40	34.830	26.57
350	10.81	34.796	26.65
400	9.81	34.722	26.77
450	9.03	34.672	26.86
500	8.37	34.645	26.94
550	7.58	34.606	27.03
600	6.91	34.569	27.09
650	6.43	34.548	27.14
700	6.07	34.546	27.19
750	5.63	34.540	27.24
800	5.33	34.541	27.27
850	5.14	34.543	27.30
900	4.93	34.544	27.32
950	4.71	34.548	27.35
1000	4.47	34.552	27.38

EPOCS EP1-86-OC CTD 72 OCEANOGRAPHER

Date 05 08 86 Latitude 10.507 S

Time 0129 Z Longitude 81.448 W

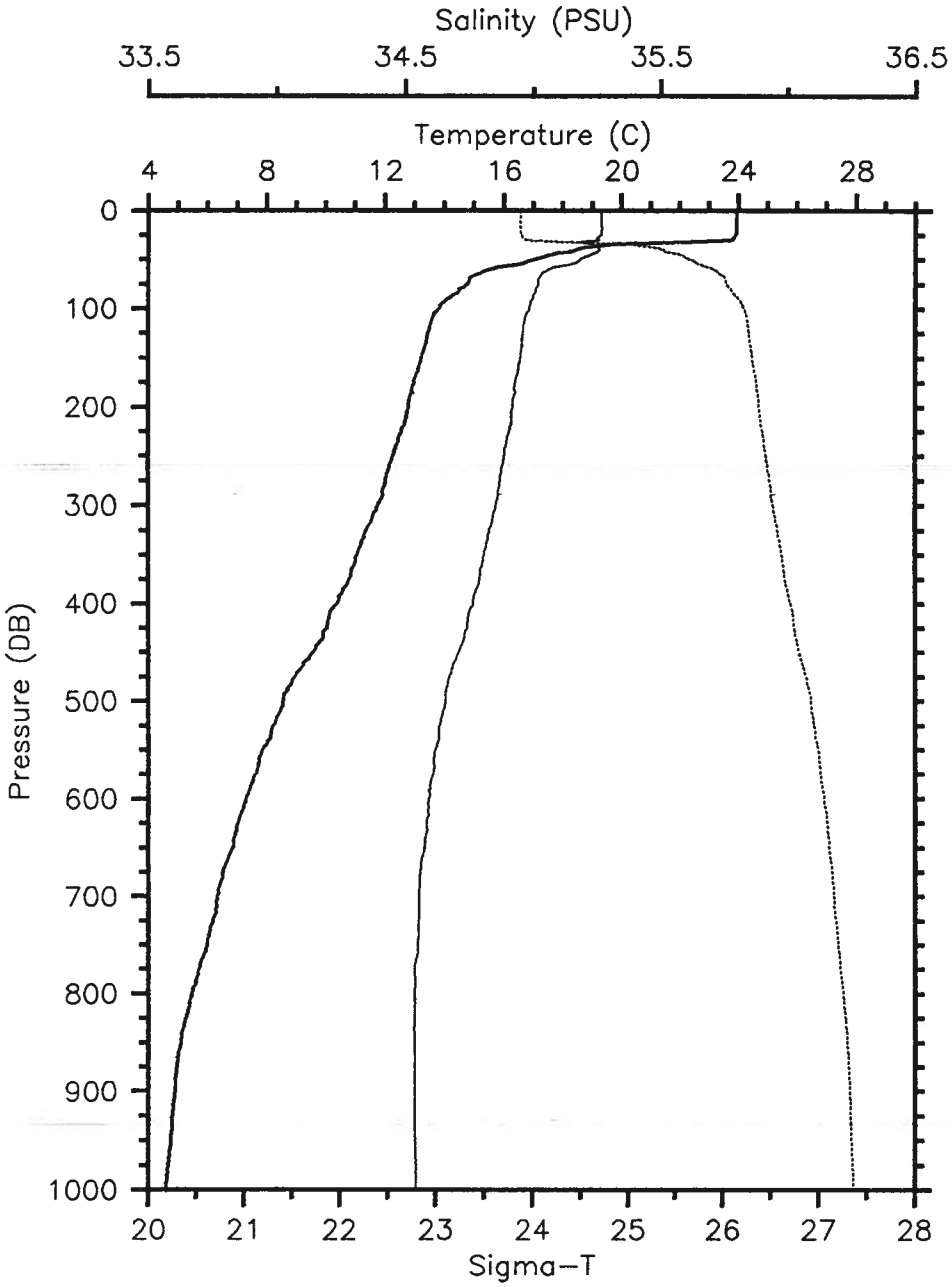


Prs	Tem	Sal	SigT
0	24.14	35.244	23.79
10	24.15	35.243	23.78
20	24.12	35.252	23.80
30	23.94	35.263	23.86
40	19.29	35.467	25.30
50	17.96	35.332	25.54
60	16.97	35.216	25.69
70	15.85	35.092	25.85
80	14.92	35.025	26.01
90	14.57	35.007	26.07
100	14.27	35.000	26.13
110	14.10	34.992	26.16
120	13.89	34.984	26.20
130	13.61	34.969	26.25
140	13.40	34.959	26.28
150	13.27	34.953	26.30
160	13.13	34.943	26.32
170	12.98	34.932	26.35
180	12.86	34.923	26.36
190	12.73	34.914	26.38
200	12.64	34.910	26.39
210	12.57	34.905	26.41
220	12.47	34.901	26.42
230	12.39	34.896	26.43
240	12.26	34.888	26.45
250	12.14	34.879	26.47
260	12.02	34.871	26.49
270	11.91	34.866	26.50
280	11.80	34.857	26.52
290	11.66	34.849	26.54
300	11.52	34.840	26.56
350	10.85	34.793	26.64
400	10.09	34.748	26.74
450	9.37	34.699	26.82
500	8.58	34.657	26.92
550	7.72	34.604	27.00
600	7.20	34.582	27.06
650	6.64	34.564	27.12
700	6.27	34.555	27.17
750	5.96	34.549	27.20
800	5.62	34.545	27.24
850	5.28	34.539	27.28
900	4.91	34.541	27.32
950	4.71	34.544	27.35
1000	4.48	34.547	27.37

EPOCS EP1-86-OC CTD 73 OCEANOGRAPHER

Date 05 08 86 Latitude 10.495 S

Time 0512 Z Longitude 81.977 W

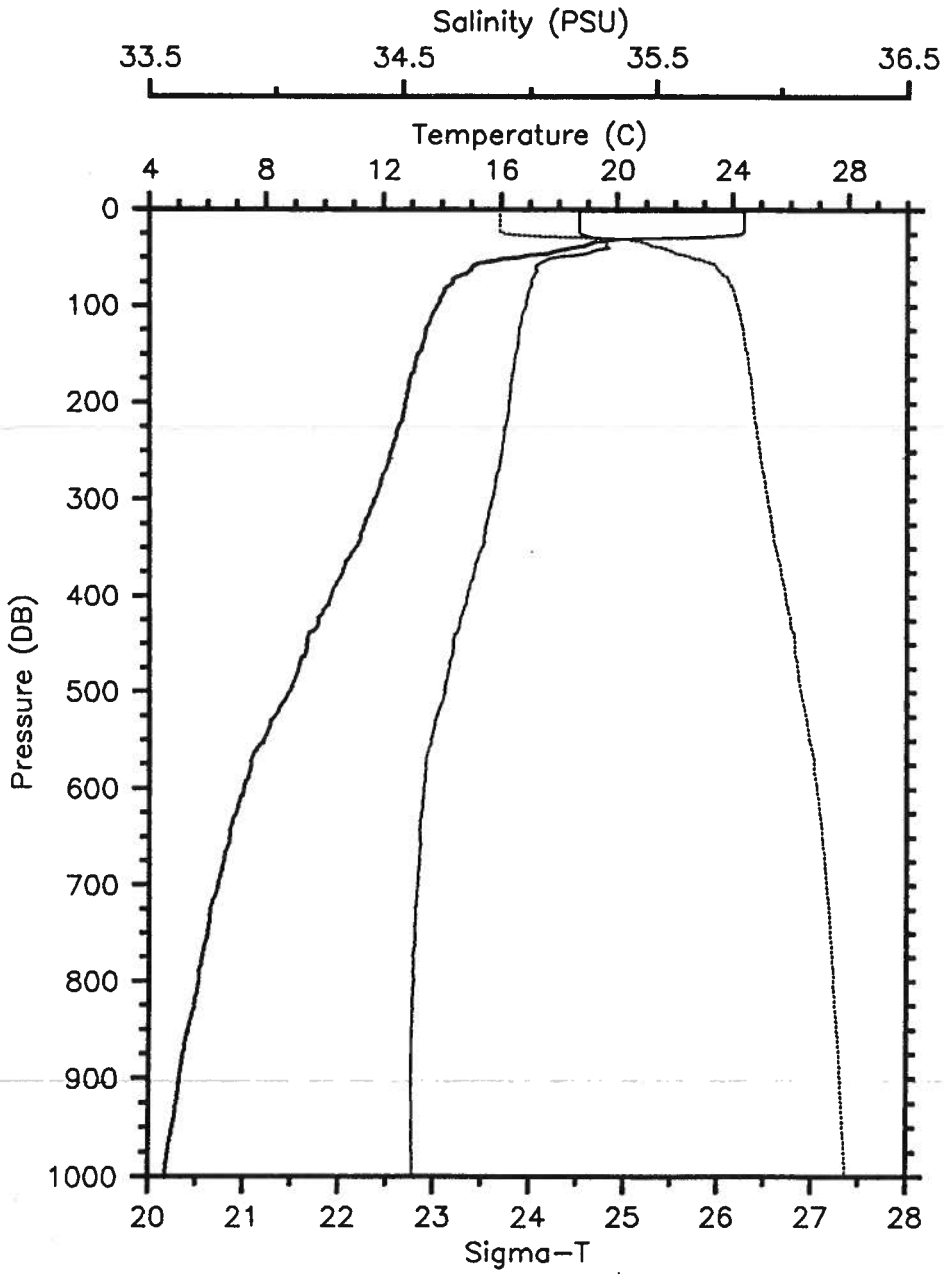


Prs	Tem	Sal	SigT
0	23.93	35.266	23.87
10	23.93	35.266	23.86
20	23.93	35.267	23.87
30	23.70	35.260	23.93
40	18.44	35.258	25.36
50	17.05	35.184	25.64
60	15.53	35.060	25.90
70	14.87	35.020	26.02
80	14.53	35.009	26.08
90	14.13	34.998	26.16
100	13.82	34.984	26.21
110	13.60	34.967	26.24
120	13.52	34.962	26.26
130	13.43	34.958	26.27
140	13.35	34.955	26.29
150	13.24	34.949	26.30
160	13.15	34.943	26.32
170	13.03	34.934	26.34
180	12.93	34.926	26.35
190	12.84	34.923	26.37
200	12.79	34.920	26.37
210	12.73	34.916	26.38
220	12.62	34.911	26.40
230	12.50	34.902	26.42
240	12.39	34.895	26.43
250	12.29	34.888	26.45
260	12.17	34.880	26.46
270	12.06	34.873	26.48
280	12.00	34.870	26.49
290	11.93	34.865	26.50
300	11.79	34.856	26.52
350	11.07	34.809	26.61
400	10.40	34.768	26.70
450	9.57	34.713	26.80
500	8.58	34.661	26.92
550	7.86	34.621	27.00
600	7.32	34.597	27.06
650	6.87	34.582	27.11
700	6.36	34.560	27.16
750	5.99	34.555	27.20
800	5.46	34.543	27.26
850	5.10	34.542	27.30
900	4.91	34.543	27.32
950	4.76	34.544	27.34
1000	4.61	34.548	27.36

EPOCS EP1-86-OC CTD 74 OCEANOGRAPHER

Date 05 08 86 Latitude 10.508 S

Time 0836 Z Longitude 82.490 W

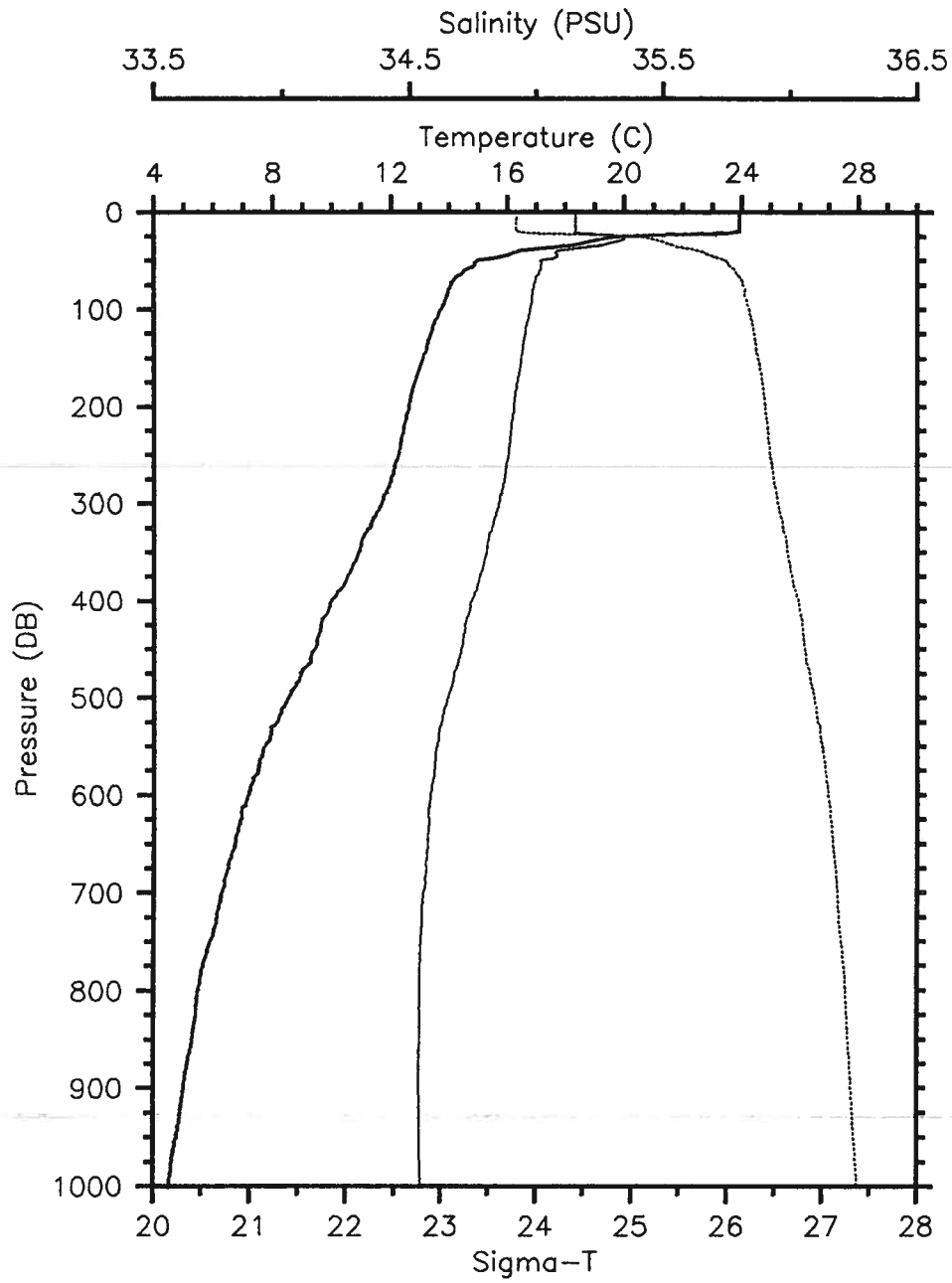


Prs	Tem	Sal	SigT
0	24.37	35.196	23.68
10	24.37	35.196	23.68
20	24.36	35.195	23.68
30	20.13	35.400	25.03
40	18.41	35.316	25.41
50	16.57	35.096	25.69
60	15.01	35.022	25.99
70	14.49	35.016	26.09
80	14.19	35.002	26.15
90	13.99	34.990	26.18
100	13.84	34.981	26.21
110	13.67	34.968	26.23
120	13.52	34.961	26.26
130	13.43	34.955	26.27
140	13.35	34.951	26.29
150	13.18	34.942	26.31
160	13.10	34.937	26.32
170	12.97	34.930	26.34
180	12.89	34.925	26.36
190	12.83	34.922	26.37
200	12.76	34.916	26.38
210	12.70	34.913	26.39
220	12.62	34.907	26.40
230	12.47	34.899	26.42
240	12.38	34.897	26.44
250	12.30	34.888	26.45
260	12.19	34.882	26.46
270	12.06	34.875	26.48
280	11.92	34.865	26.50
290	11.82	34.859	26.51
300	11.68	34.850	26.53
350	11.05	34.809	26.62
400	10.22	34.753	26.72
450	9.41	34.700	26.82
500	8.81	34.666	26.89
550	7.93	34.614	26.98
600	7.25	34.584	27.06
650	6.77	34.570	27.11
700	6.38	34.562	27.16
750	6.01	34.552	27.20
800	5.70	34.546	27.23
850	5.35	34.538	27.27
900	5.05	34.538	27.30
950	4.80	34.540	27.33
1000	4.56	34.546	27.37

EPOCS EP1-86-OC CTD 75 OCEANOGRAPHER

Date 05 08 86 Latitude 10.543 S

Time 1201 Z Longitude 83.042 W

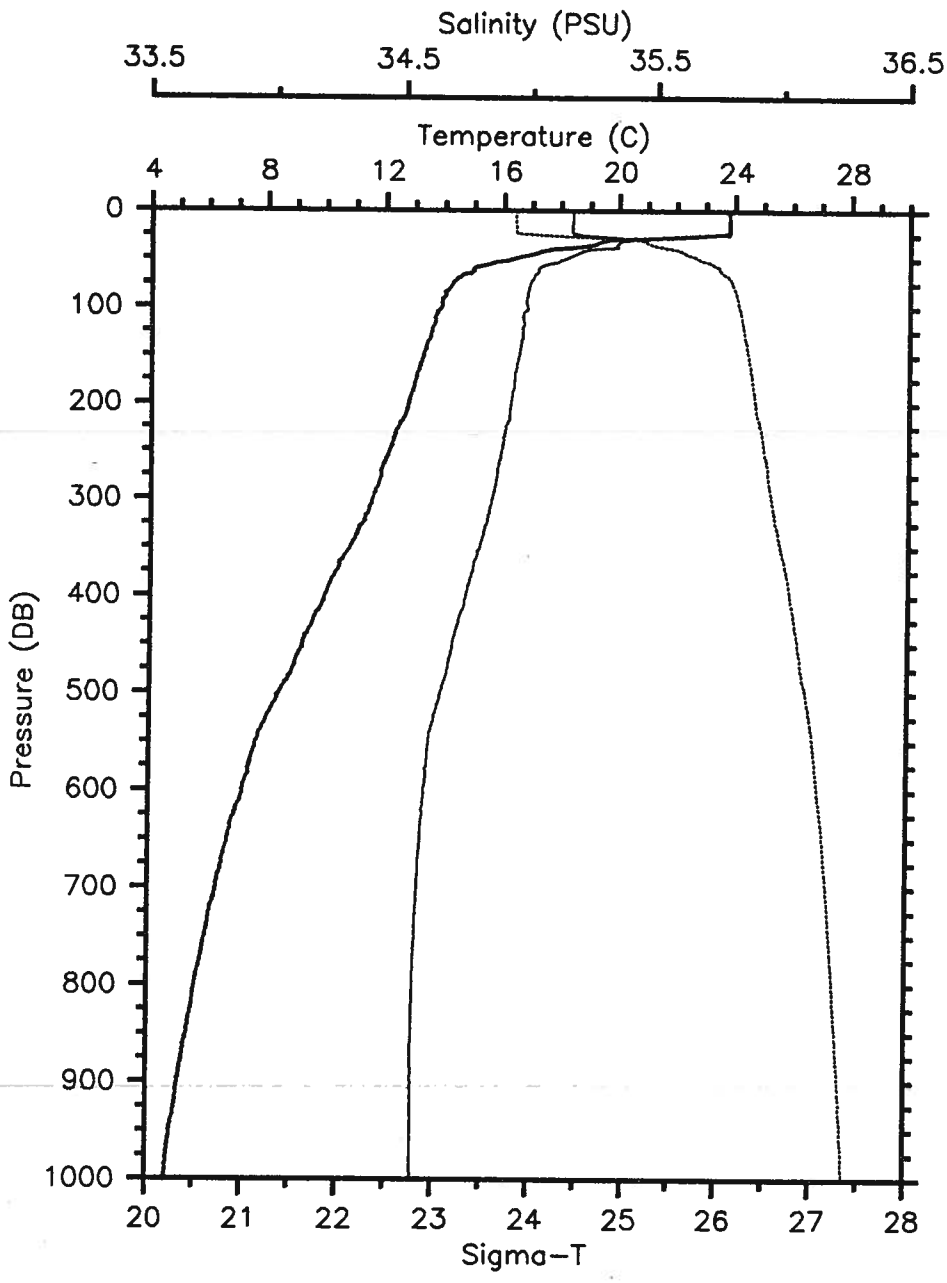


Prs	Tem	Sal	SigT
0	23.91	35.155	23.79
10	23.91	35.155	23.79
20	23.91	35.156	23.79
30	18.83	35.319	25.31
40	16.41	35.080	25.72
50	15.03	35.015	25.98
60	14.53	35.011	26.08
70	14.17	34.996	26.15
80	13.99	34.986	26.18
90	13.87	34.981	26.20
100	13.72	34.972	26.23
110	13.57	34.966	26.25
120	13.43	34.957	26.27
130	13.32	34.951	26.29
140	13.23	34.946	26.31
150	13.11	34.940	26.33
160	12.99	34.935	26.34
170	12.88	34.927	26.36
180	12.78	34.920	26.38
190	12.70	34.914	26.39
200	12.64	34.911	26.40
210	12.56	34.906	26.41
220	12.47	34.900	26.42
230	12.41	34.897	26.43
240	12.34	34.894	26.44
250	12.27	34.889	26.45
260	12.14	34.880	26.47
270	12.07	34.876	26.48
280	11.96	34.869	26.50
290	11.81	34.858	26.52
300	11.69	34.851	26.53
350	10.93	34.804	26.64
400	10.01	34.744	26.75
450	9.43	34.702	26.81
500	8.54	34.651	26.92
550	7.74	34.606	27.00
600	7.17	34.581	27.06
650	6.75	34.571	27.12
700	6.30	34.553	27.16
750	5.91	34.543	27.20
800	5.50	34.540	27.25
850	5.31	34.539	27.27
900	5.02	34.538	27.31
950	4.78	34.539	27.33
1000	4.52	34.544	27.37

EPOCS EP1-86-OC CTD 76 OCEANOGRAPHER

Date 05 08 86 Latitude 10.517 S

Time 1443 Z Longitude 83.490 W

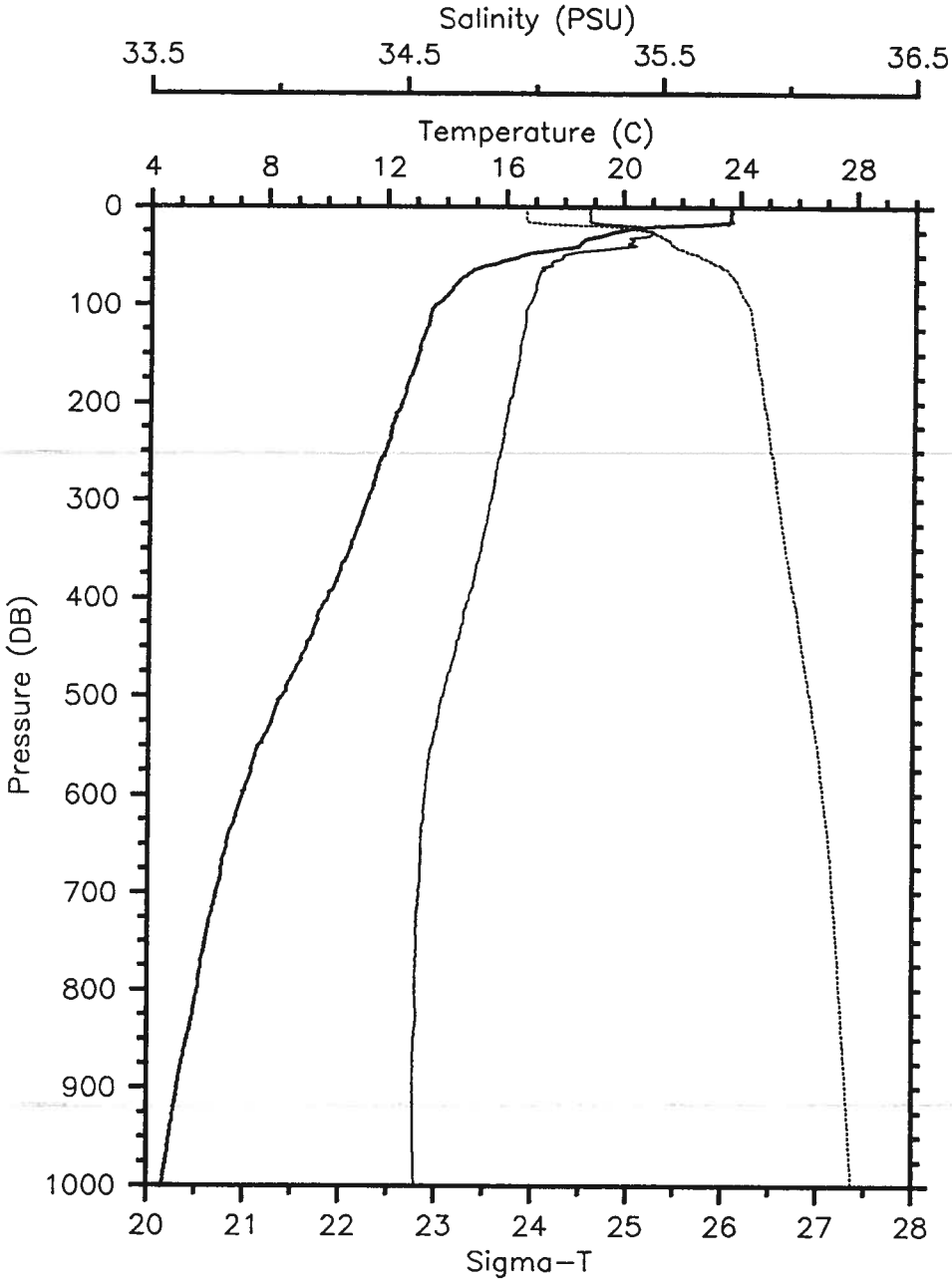


Prs	Tem	Sal	SigT
0	23.81	35.159	23.82
10	23.81	35.159	23.82
20	23.80	35.158	23.82
30	19.65	35.393	25.16
40	17.65	35.229	25.53
50	16.35	35.135	25.77
60	14.98	35.022	25.99
70	14.43	35.003	26.10
80	14.17	34.986	26.14
90	13.95	34.978	26.18
100	13.87	34.979	26.20
110	13.68	34.962	26.23
120	13.59	34.961	26.24
130	13.52	34.961	26.26
140	13.37	34.954	26.28
150	13.27	34.947	26.30
160	13.16	34.940	26.31
170	13.03	34.932	26.33
180	12.97	34.928	26.34
190	12.85	34.921	26.36
200	12.76	34.916	26.38
210	12.69	34.912	26.39
220	12.51	34.904	26.42
230	12.34	34.893	26.44
240	12.25	34.886	26.45
250	12.14	34.878	26.47
260	11.99	34.871	26.49
270	11.87	34.862	26.51
280	11.82	34.859	26.51
290	11.68	34.851	26.54
300	11.55	34.842	26.55
350	10.81	34.794	26.65
400	9.98	34.740	26.75
450	9.24	34.690	26.84
500	8.45	34.644	26.93
550	7.68	34.600	27.01
600	7.23	34.584	27.06
650	6.72	34.571	27.12
700	6.35	34.560	27.16
750	6.00	34.553	27.20
800	5.65	34.546	27.24
850	5.38	34.543	27.27
900	5.09	34.542	27.30
950	4.83	34.542	27.33
1000	4.64	34.545	27.36

EPOCS EP1-86-OC CTD 77 OCEANOGRAPHER

Date 05 08 86 Latitude 10.495 S

Time 2006 Z Longitude 83.975 W

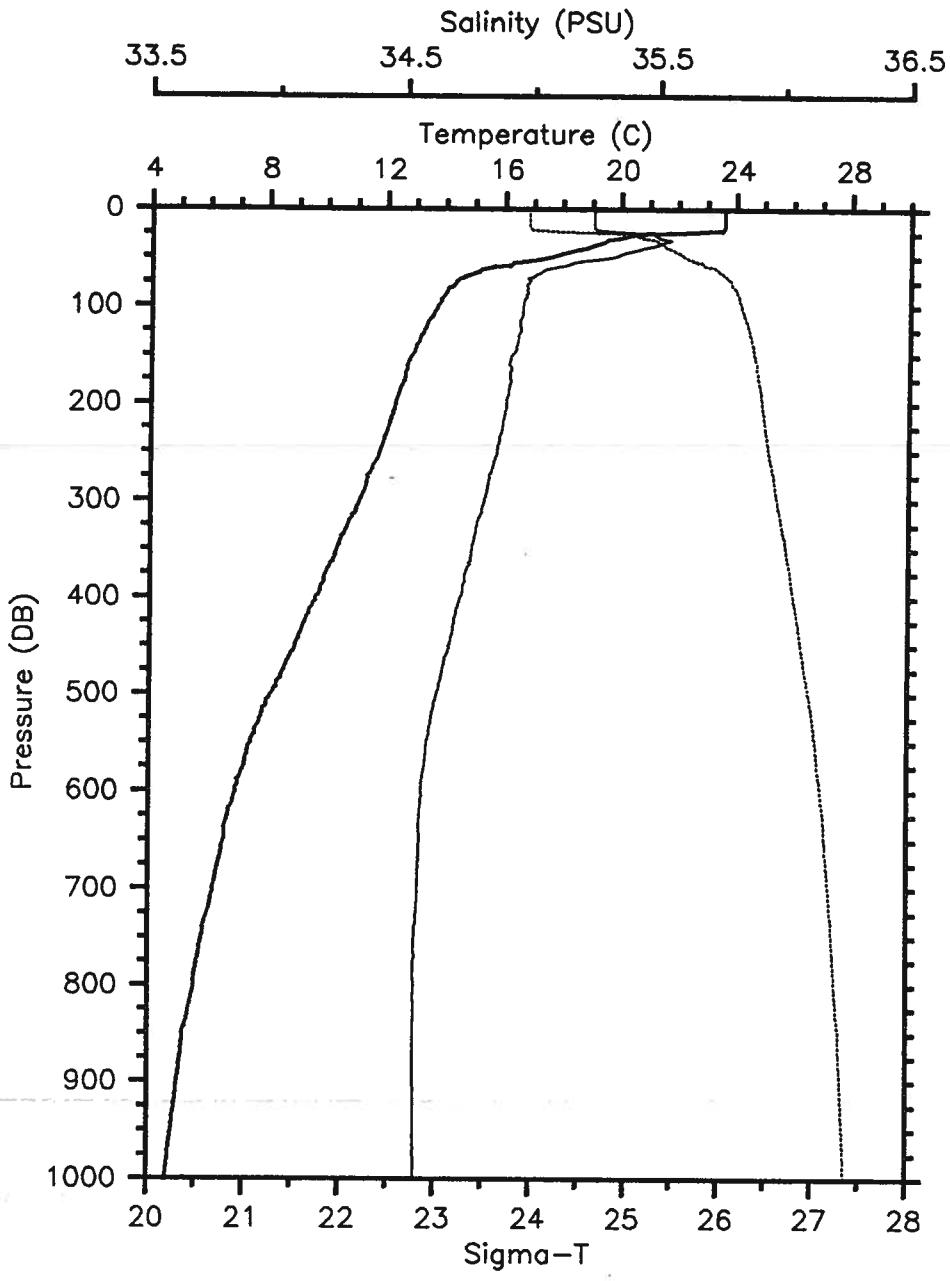


Prs	Tem	Sal	SigT
0	23.67	35.213	23.90
10	23.68	35.213	23.90
20	21.16	35.414	24.77
30	19.19	35.442	25.31
40	18.48	35.395	25.46
50	16.51	35.106	25.71
60	15.29	35.065	25.96
70	14.66	35.013	26.06
80	14.29	35.000	26.13
90	14.03	34.995	26.18
100	13.63	34.974	26.24
110	13.46	34.962	26.27
120	13.40	34.960	26.28
130	13.26	34.952	26.30
140	13.12	34.941	26.32
150	13.06	34.939	26.33
160	12.98	34.931	26.34
170	12.86	34.926	26.36
180	12.70	34.915	26.39
190	12.64	34.913	26.40
200	12.50	34.899	26.41
210	12.34	34.894	26.44
220	12.24	34.886	26.45
230	12.15	34.881	26.47
240	12.07	34.877	26.48
250	11.99	34.867	26.49
260	11.78	34.857	26.52
270	11.70	34.850	26.53
280	11.61	34.846	26.54
290	11.53	34.841	26.56
300	11.39	34.832	26.57
350	10.80	34.794	26.65
400	10.06	34.748	26.74
450	9.36	34.701	26.83
500	8.54	34.651	26.92
550	7.74	34.606	27.00
600	7.21	34.582	27.06
650	6.68	34.569	27.12
700	6.32	34.561	27.17
750	5.95	34.552	27.20
800	5.69	34.549	27.24
850	5.34	34.543	27.27
900	5.03	34.542	27.31
950	4.76	34.543	27.34
1000	4.51	34.547	27.37

EPOCS EP1-86-OC CTD 78 OCEANOGRAPHER

Date 05 09 86 Latitude 10.488 S

Time 0013 Z Longitude 84.505 W

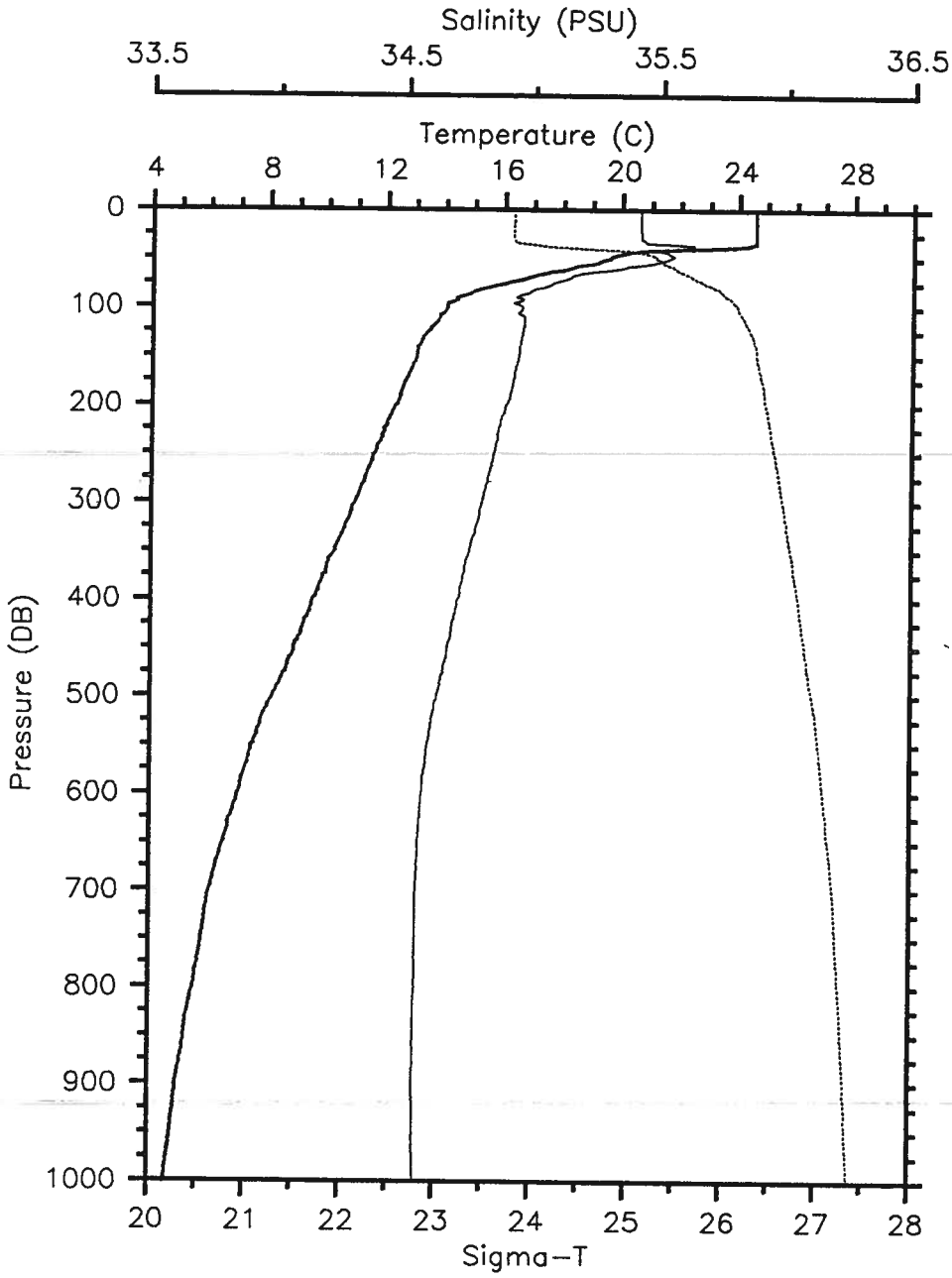


Prs	Tem	Sal	SigT
0	23.58	35.236	23.95
10	23.58	35.236	23.94
20	23.56	35.237	23.95
30	19.94	35.501	25.16
40	18.84	35.443	25.40
50	17.58	35.317	25.62
60	15.57	35.089	25.91
70	14.64	34.998	26.05
80	14.23	34.973	26.12
90	13.91	34.971	26.18
100	13.73	34.958	26.21
110	13.56	34.954	26.24
120	13.34	34.947	26.28
130	13.17	34.940	26.31
140	13.02	34.934	26.34
150	12.85	34.915	26.36
160	12.70	34.907	26.38
170	12.63	34.908	26.40
180	12.55	34.908	26.41
190	12.43	34.903	26.43
200	12.33	34.897	26.45
210	12.24	34.891	26.46
220	12.14	34.884	26.47
230	12.02	34.875	26.49
240	11.92	34.869	26.50
250	11.80	34.861	26.52
260	11.65	34.847	26.54
270	11.49	34.839	26.56
280	11.35	34.828	26.58
290	11.25	34.822	26.59
300	11.10	34.811	26.61
350	10.35	34.763	26.71
400	9.65	34.717	26.79
450	8.96	34.675	26.87
500	8.15	34.628	26.96
550	7.46	34.592	27.03
600	6.95	34.572	27.09
650	6.57	34.565	27.13
700	6.21	34.558	27.18
750	5.83	34.546	27.22
800	5.57	34.545	27.25
850	5.21	34.543	27.29
900	5.02	34.543	27.31
950	4.82	34.545	27.34
1000	4.63	34.548	27.36

EPOCS EP1-86-OC CTD 79 OCEANOGRAPHER

Date 05 09 86 Latitude 10.497 S

Time 0341 Z Longitude 84.998 W

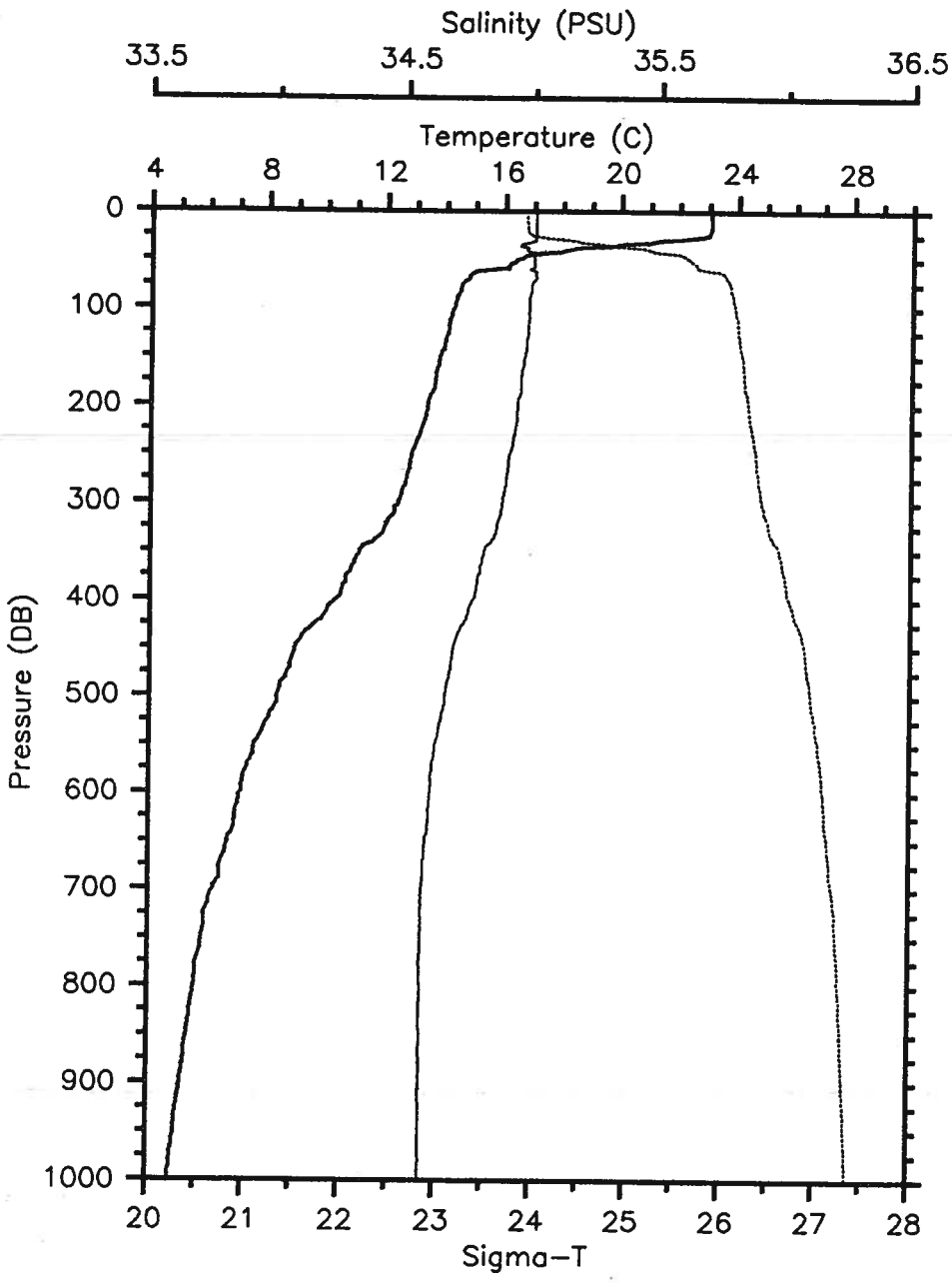


Prs	Tem	Sal	SigT
0	24.57	35.417	23.79
10	24.57	35.417	23.79
20	24.58	35.417	23.79
30	24.58	35.420	23.79
40	22.24	35.545	24.57
50	19.61	35.533	25.27
60	18.24	35.345	25.48
70	16.79	35.142	25.67
80	15.51	35.043	25.89
90	14.39	34.931	26.05
100	14.05	34.955	26.14
110	13.82	34.961	26.20
120	13.52	34.961	26.26
130	13.26	34.952	26.30
140	13.06	34.943	26.34
150	13.01	34.941	26.35
160	12.85	34.932	26.37
170	12.71	34.926	26.39
180	12.55	34.918	26.42
190	12.47	34.911	26.43
200	12.31	34.894	26.45
210	12.15	34.882	26.47
220	12.02	34.872	26.49
230	11.88	34.861	26.51
240	11.74	34.856	26.53
250	11.61	34.848	26.55
260	11.48	34.837	26.56
270	11.35	34.831	26.58
280	11.21	34.822	26.60
290	11.07	34.809	26.61
300	10.95	34.803	26.63
350	10.26	34.755	26.72
400	9.52	34.709	26.81
450	8.90	34.670	26.88
500	8.18	34.628	26.95
550	7.50	34.594	27.03
600	7.01	34.573	27.08
650	6.53	34.559	27.14
700	6.06	34.550	27.19
750	5.80	34.547	27.22
800	5.52	34.547	27.25
850	5.22	34.543	27.29
900	4.94	34.540	27.32
950	4.77	34.542	27.34
1000	4.57	34.548	27.37

EPOCS EP1-86-OC CTD 80 OCEANOGRAPHER

Date 05 10 86 Latitude 5.015 S

Time 0417 Z Longitude 85.003 W

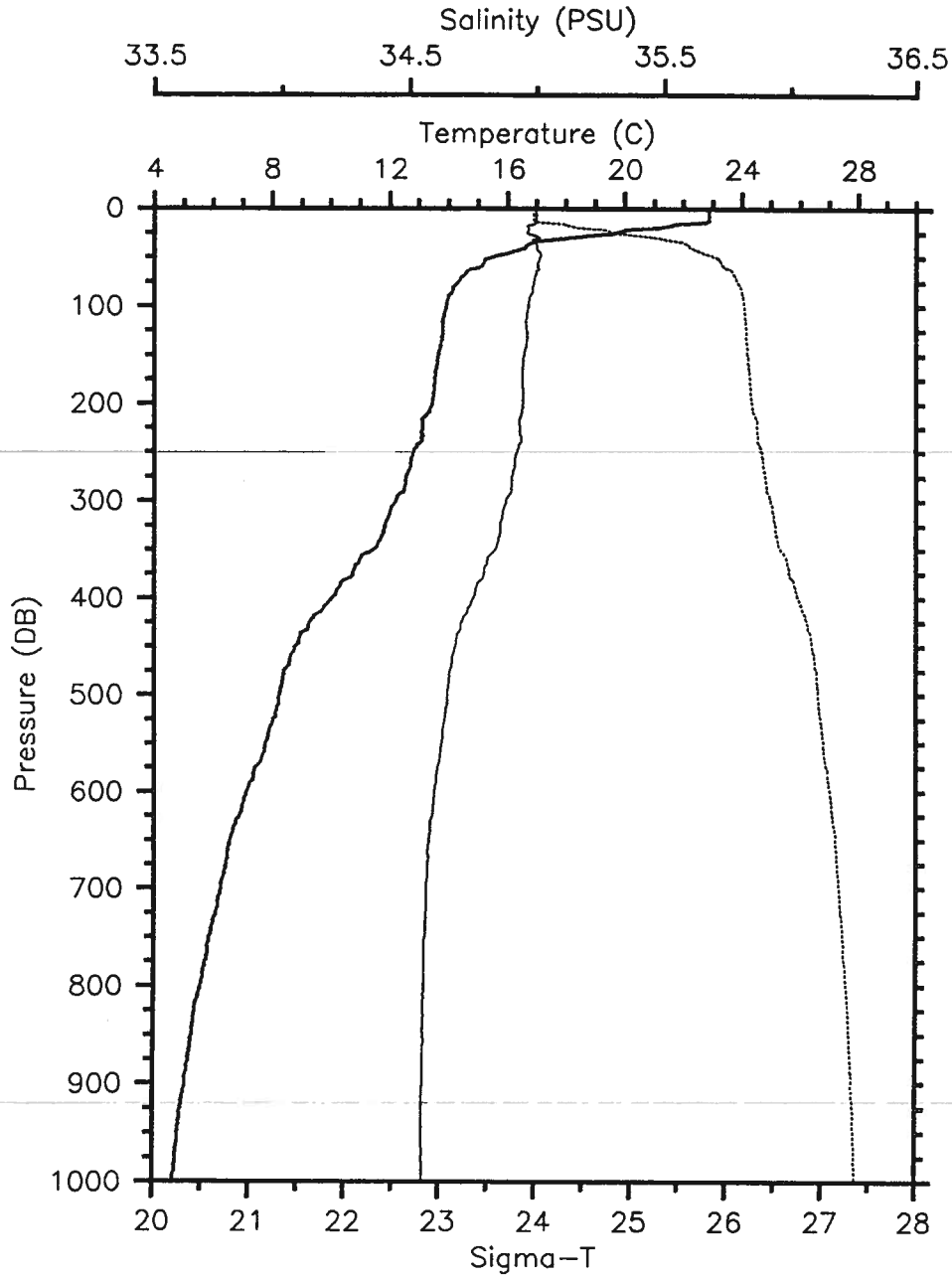


Prs	Tem	Sal	SigT
0	23.06	35.005	23.92
10	23.06	35.005	23.92
20	23.04	35.006	23.93
30	21.30	35.004	24.42
40	18.09	34.969	25.23
50	16.43	35.001	25.65
60	15.66	34.982	25.81
70	14.75	35.004	26.03
80	14.49	34.990	26.08
90	14.35	34.982	26.10
100	14.28	34.981	26.11
110	14.15	34.981	26.14
120	14.09	34.978	26.15
130	14.00	34.975	26.17
140	13.94	34.971	26.18
150	13.79	34.964	26.20
160	13.73	34.960	26.21
170	13.67	34.953	26.22
180	13.63	34.952	26.23
190	13.48	34.946	26.26
200	13.40	34.939	26.27
210	13.34	34.936	26.28
220	13.23	34.933	26.30
230	13.12	34.928	26.31
240	13.00	34.921	26.33
250	12.87	34.909	26.35
260	12.81	34.903	26.36
270	12.73	34.899	26.37
280	12.66	34.895	26.38
290	12.52	34.888	26.40
300	12.42	34.881	26.42
350	11.12	34.810	26.61
400	10.31	34.766	26.72
450	8.95	34.689	26.88
500	8.35	34.658	26.95
550	7.60	34.620	27.03
600	7.12	34.602	27.09
650	6.69	34.584	27.13
700	6.21	34.572	27.19
750	5.82	34.567	27.23
800	5.57	34.567	27.26
850	5.34	34.567	27.29
900	5.13	34.567	27.32
950	4.93	34.568	27.34
1000	4.74	34.570	27.36

EPOCS EP1-86-OC CTD 81 OCEANOGRAPHER

Date 05 10 86 Latitude 5.015 S

Time 0754 Z Longitude 84.507 W



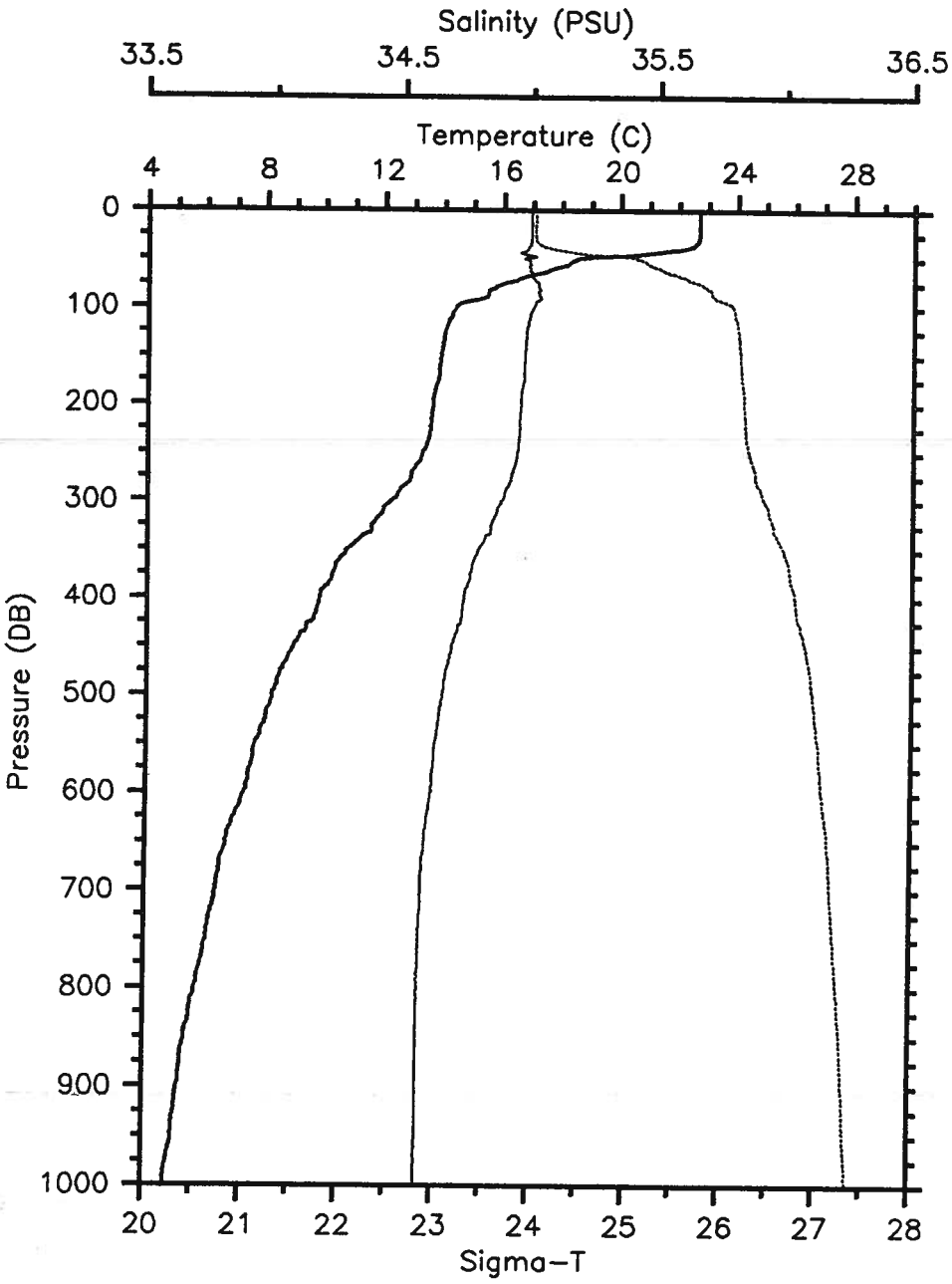
Prs	Tem	Sal	SigT
0	22.88	34.999	23.97
10	22.88	34.998	23.97
20	21.11	34.968	24.44
30	18.08	35.012	25.26
40	16.61	34.999	25.61
50	15.49	35.012	25.87
60	15.04	35.002	25.97
70	14.44	34.993	26.09
80	14.19	34.986	26.14
90	14.00	34.973	26.17
100	13.92	34.966	26.18
110	13.85	34.961	26.19
120	13.80	34.959	26.20
130	13.80	34.962	26.20
140	13.74	34.959	26.21
150	13.65	34.948	26.22
160	13.61	34.946	26.23
170	13.56	34.944	26.24
180	13.53	34.945	26.24
190	13.50	34.946	26.25
200	13.45	34.945	26.26
210	13.30	34.939	26.29
220	13.12	34.932	26.32
230	13.11	34.933	26.32
240	13.07	34.937	26.33
250	12.82	34.921	26.37
260	12.72	34.913	26.38
270	12.62	34.906	26.40
280	12.53	34.901	26.41
290	12.47	34.900	26.42
300	12.19	34.881	26.46
350	11.46	34.837	26.56
400	10.05	34.750	26.75
450	8.80	34.682	26.90
500	8.26	34.652	26.96
550	7.78	34.628	27.01
600	7.14	34.601	27.08
650	6.59	34.580	27.14
700	6.27	34.572	27.18
750	5.87	34.565	27.23
800	5.59	34.563	27.26
850	5.29	34.561	27.29
900	5.07	34.560	27.32
950	4.83	34.557	27.34
1000	4.68	34.560	27.36

EPOCS EP1-86-OC CTD 82 OCEANOGRAPHER

Date 05 10 86 Latitude 5.015 S

Time 1110 Z Longitude 84.025 W

— Tem — Sal
— SigT

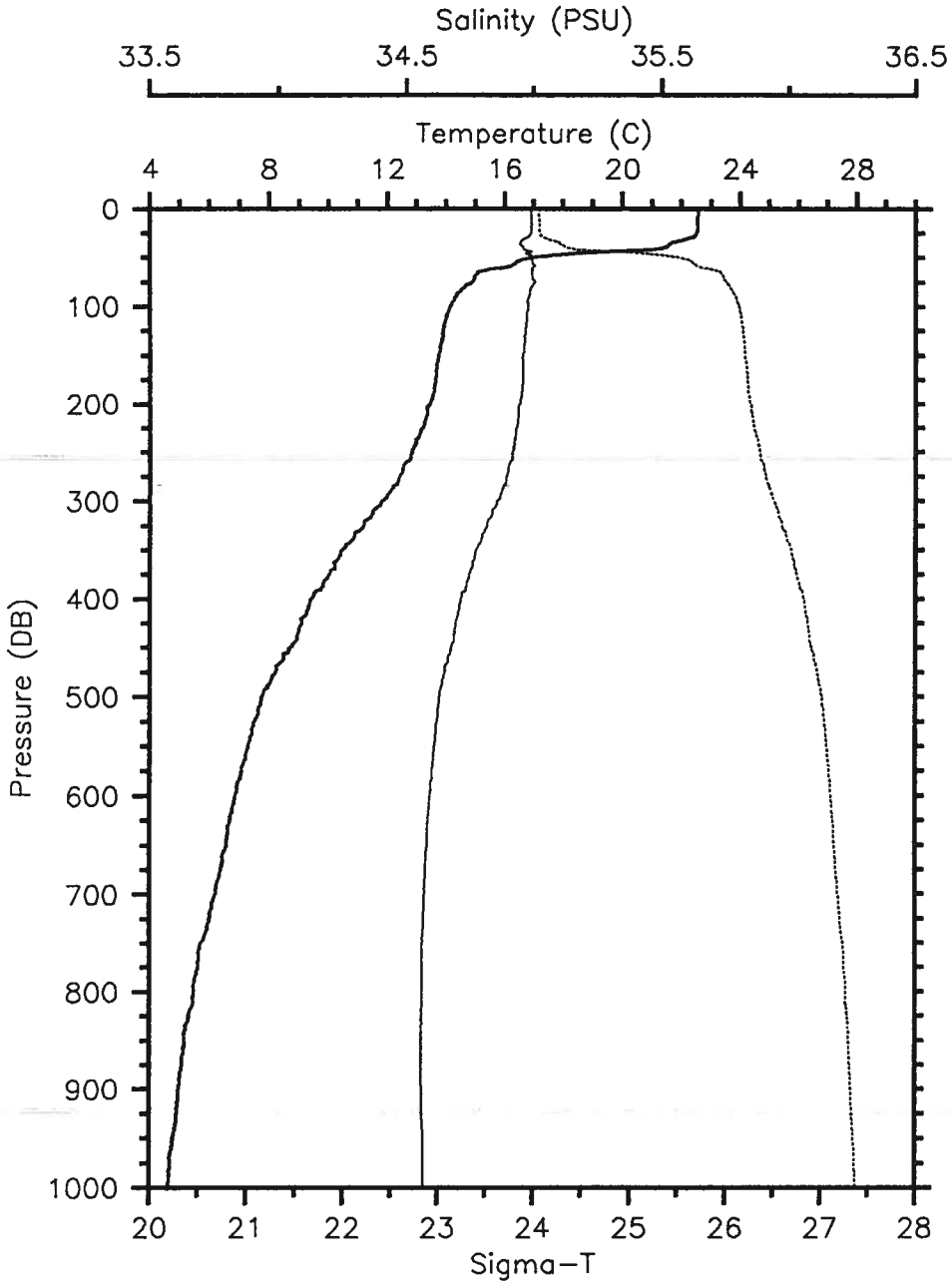


Prs	Tem	Sal	SigT
0	22.67	34.993	24.02
10	22.67	34.993	24.02
20	22.67	34.993	24.02
30	22.65	34.991	24.03
40	21.96	34.978	24.21
50	18.54	34.965	25.11
60	17.66	34.991	25.35
70	16.56	35.002	25.62
80	15.72	35.023	25.83
90	15.36	35.030	25.92
100	14.40	35.003	26.11
110	14.25	34.987	26.12
120	14.08	34.978	26.15
130	13.99	34.974	26.17
140	13.95	34.971	26.18
150	13.89	34.970	26.19
160	13.85	34.968	26.20
170	13.82	34.966	26.20
180	13.73	34.961	26.21
190	13.65	34.956	26.23
200	13.64	34.956	26.23
210	13.59	34.953	26.24
220	13.56	34.949	26.24
230	13.52	34.949	26.25
240	13.43	34.944	26.26
250	13.28	34.939	26.29
260	13.14	34.934	26.31
270	12.91	34.921	26.35
280	12.83	34.913	26.36
290	12.48	34.894	26.41
300	12.23	34.878	26.45
350	10.73	34.788	26.66
400	9.83	34.735	26.77
450	8.94	34.688	26.88
500	8.24	34.651	26.96
550	7.66	34.623	27.03
600	7.31	34.608	27.07
650	6.72	34.587	27.13
700	6.38	34.575	27.17
750	6.10	34.569	27.20
800	5.71	34.565	27.25
850	5.39	34.563	27.28
900	5.17	34.563	27.31
950	4.99	34.562	27.33
1000	4.72	34.561	27.36

EPOCS EP1-86-OC CTD 83 OCEANOGRAPHER

Date 05 10 86 Latitude 5.008 S

Time 1337 Z Longitude 83.502 W

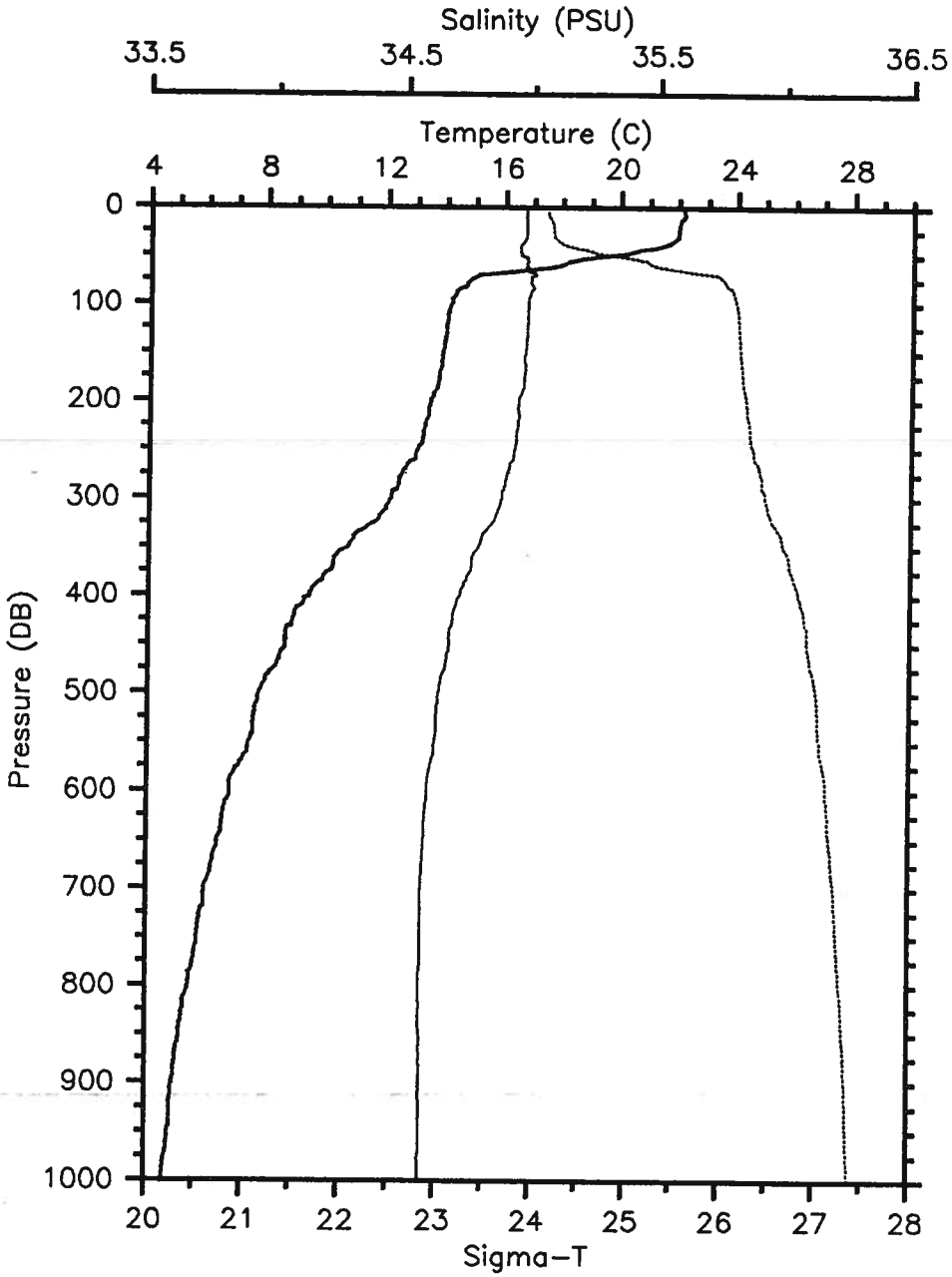


Prs	Tem	Sal	SigT
0	22.57	34.991	24.05
10	22.55	34.991	24.06
20	22.54	34.991	24.06
30	22.23	34.966	24.13
40	21.38	34.959	24.36
50	17.00	34.998	25.51
60	15.95	34.994	25.76
70	14.97	34.994	25.97
80	14.64	34.991	26.05
90	14.32	34.979	26.10
100	14.15	34.977	26.14
110	14.02	34.972	26.16
120	13.94	34.969	26.18
130	13.89	34.963	26.18
140	13.82	34.963	26.20
150	13.76	34.958	26.20
160	13.70	34.956	26.22
170	13.67	34.957	26.22
180	13.62	34.955	26.23
190	13.57	34.952	26.24
200	13.45	34.944	26.26
210	13.36	34.939	26.27
220	13.27	34.936	26.29
230	13.12	34.929	26.31
240	12.99	34.924	26.34
250	12.85	34.917	26.36
260	12.66	34.909	26.39
270	12.51	34.899	26.41
280	12.36	34.890	26.43
290	12.09	34.873	26.47
300	11.84	34.855	26.51
350	10.47	34.772	26.69
400	9.41	34.712	26.83
450	8.70	34.675	26.91
500	7.76	34.629	27.02
550	7.30	34.610	27.07
600	6.88	34.593	27.12
650	6.58	34.583	27.15
700	6.22	34.572	27.19
750	5.73	34.564	27.24
800	5.48	34.562	27.27
850	5.18	34.560	27.31
900	4.98	34.562	27.33
950	4.80	34.567	27.36
1000	4.63	34.570	27.38

EPOCS EP1-86-OC CTD 84 OCEANOGRAPHER

Date 05 10 86 Latitude 4.992 S

Time 1748 Z Longitude 83.008 W

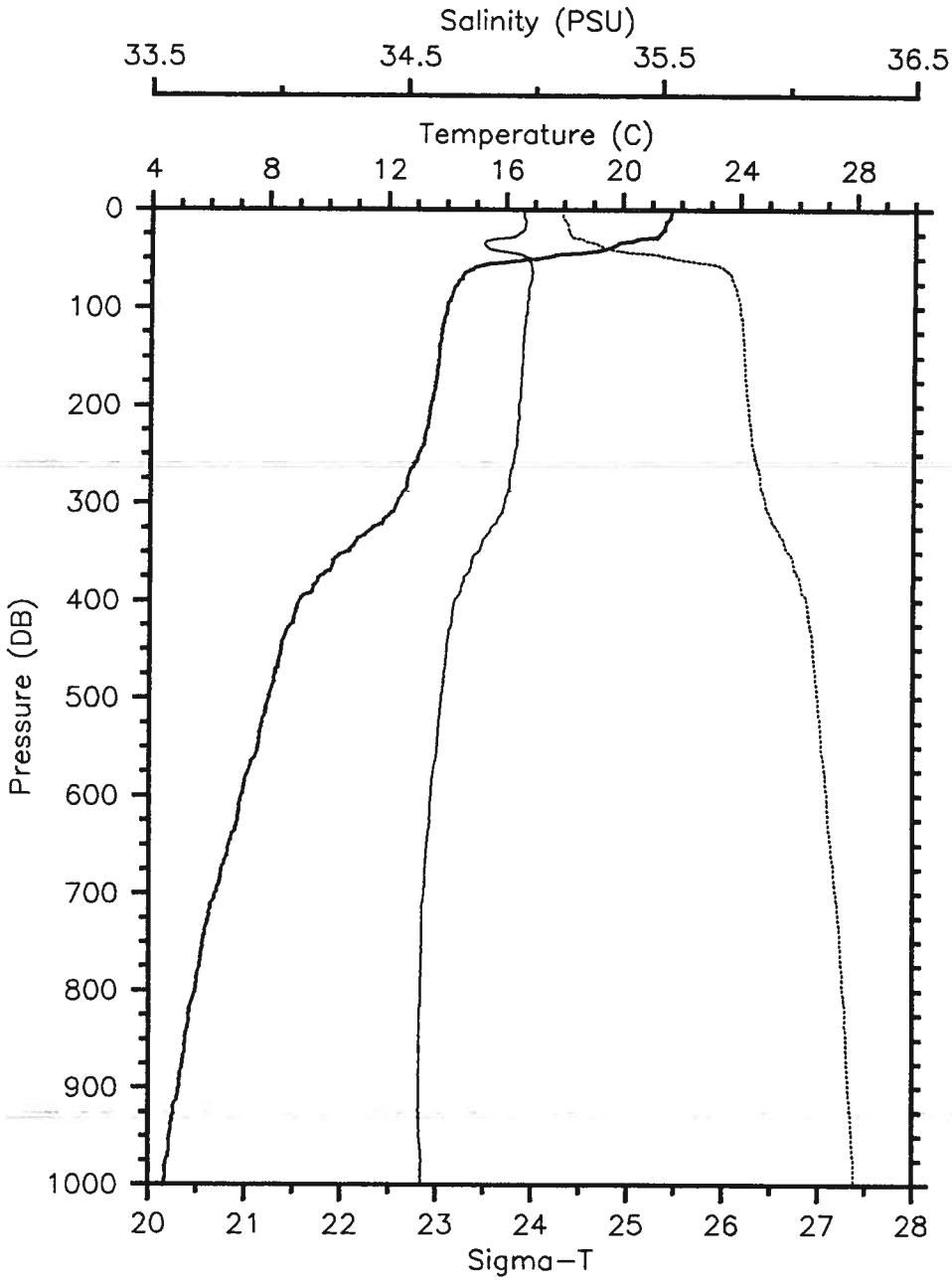


Prs	Tem	Sal	SigT
0	22.16	34.966	24.15
10	22.16	34.965	24.15
20	22.00	34.967	24.20
30	21.95	34.966	24.21
40	21.37	34.942	24.35
50	19.58	34.945	24.83
60	17.89	34.971	25.28
70	15.14	35.007	25.95
80	14.69	34.989	26.03
90	14.29	34.983	26.11
100	14.14	34.977	26.14
110	14.03	34.974	26.16
120	14.00	34.974	26.17
130	13.98	34.972	26.17
140	13.93	34.970	26.18
150	13.88	34.966	26.19
160	13.83	34.963	26.19
170	13.77	34.965	26.21
180	13.73	34.962	26.22
190	13.61	34.954	26.23
200	13.47	34.942	26.25
210	13.42	34.941	26.26
220	13.32	34.940	26.28
230	13.24	34.935	26.30
240	13.20	34.934	26.30
250	13.04	34.927	26.33
260	12.93	34.920	26.35
270	12.61	34.904	26.40
280	12.43	34.893	26.42
290	12.35	34.886	26.43
300	12.17	34.877	26.46
350	10.73	34.787	26.66
400	9.47	34.714	26.82
450	8.66	34.674	26.92
500	7.79	34.631	27.02
550	7.47	34.618	27.05
600	6.83	34.591	27.12
650	6.41	34.578	27.17
700	5.99	34.569	27.21
750	5.75	34.568	27.24
800	5.45	34.564	27.28
850	5.16	34.566	27.31
900	4.93	34.566	27.34
950	4.78	34.568	27.36
1000	4.58	34.566	27.38

EPOCS EP1-86-OC CTD 85 OCEANOGRAPHER

Date 05 10 86 Latitude 4.993 S

Time 2113 Z Longitude 82.500 W

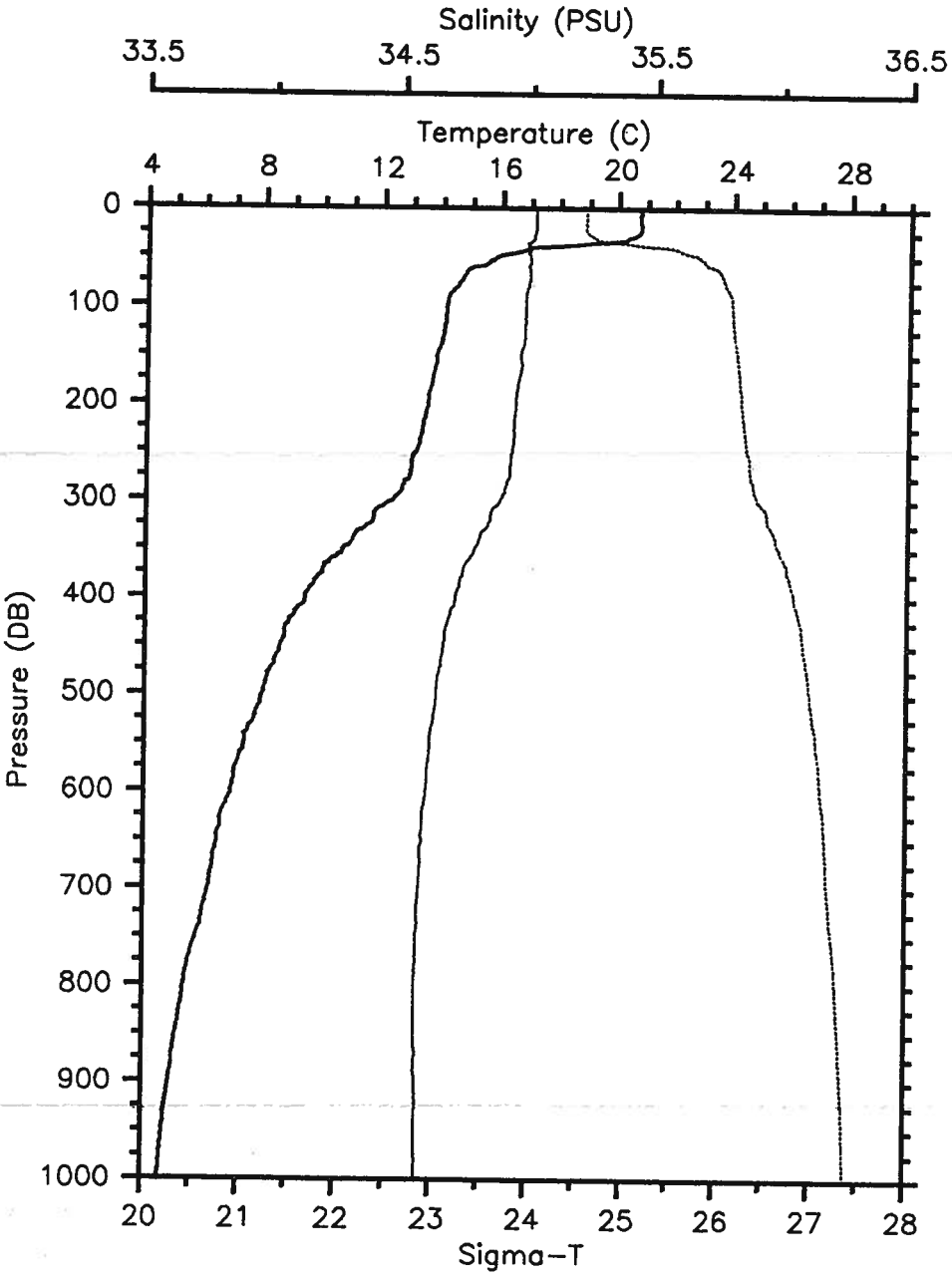


Prs	Tem	Sal	SigT
0	21.65	34.958	24.29
10	21.58	34.961	24.31
20	21.42	34.959	24.35
30	20.53	34.840	24.50
40	19.45	34.818	24.77
50	17.13	34.981	25.47
60	14.91	34.989	25.98
70	14.53	34.989	26.07
80	14.27	34.977	26.11
90	14.15	34.977	26.14
100	14.02	34.972	26.16
110	13.94	34.966	26.17
120	13.86	34.963	26.19
130	13.82	34.960	26.19
140	13.77	34.957	26.20
150	13.76	34.957	26.21
160	13.71	34.954	26.21
170	13.68	34.953	26.22
180	13.63	34.950	26.23
190	13.57	34.948	26.24
200	13.49	34.942	26.25
210	13.44	34.943	26.26
220	13.40	34.939	26.27
230	13.30	34.936	26.28
240	13.25	34.936	26.29
250	13.09	34.926	26.32
260	12.94	34.919	26.34
270	12.77	34.909	26.37
280	12.72	34.905	26.38
290	12.53	34.896	26.41
300	12.35	34.886	26.43
350	10.64	34.784	26.67
400	9.06	34.693	26.87
450	8.45	34.662	26.94
500	8.04	34.643	26.99
550	7.67	34.625	27.03
600	7.11	34.602	27.09
650	6.70	34.585	27.13
700	6.24	34.576	27.19
750	5.82	34.567	27.23
800	5.56	34.563	27.26
850	5.24	34.558	27.30
900	5.03	34.558	27.32
950	4.72	34.559	27.36
1000	4.53	34.565	27.38

EPOCS EP1-86-OC CTD 86 OCEANOGRAPHER

Date 05 11 86 Latitude 5.008 S

Time 0131 Z Longitude 82.007 W

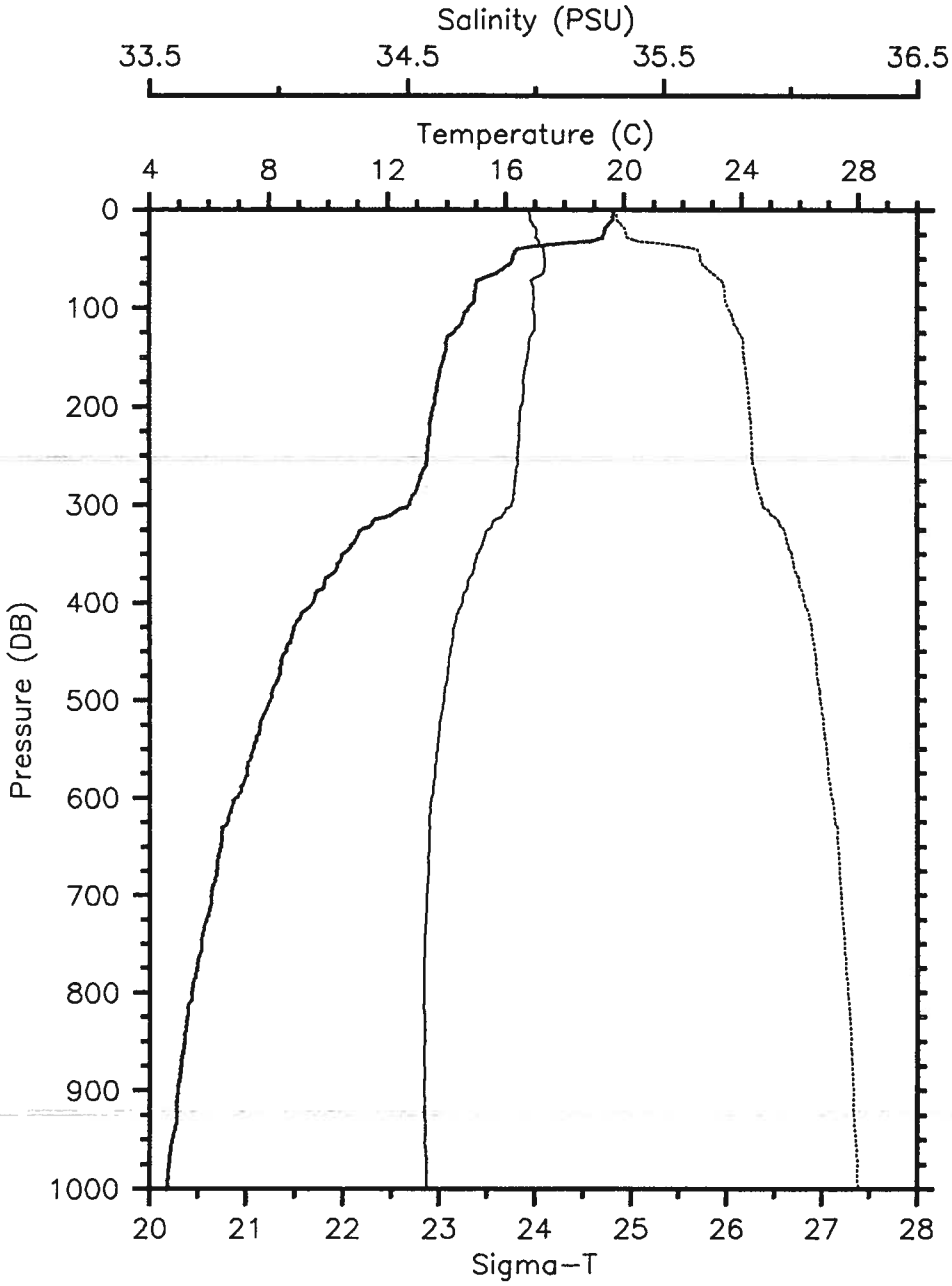


Prs	Tem	Sal	SigT
0	20.75	35.015	24.57
10	20.75	35.014	24.57
20	20.75	35.014	24.57
30	20.35	35.010	24.68
40	17.03	34.984	25.50
50	15.83	34.996	25.78
60	15.03	34.990	25.96
70	14.69	34.995	26.04
80	14.49	34.989	26.07
90	14.20	34.979	26.13
100	14.15	34.979	26.14
110	14.11	34.979	26.15
120	14.07	34.977	26.16
130	14.03	34.977	26.16
140	13.94	34.973	26.18
150	13.82	34.962	26.20
160	13.79	34.966	26.21
170	13.70	34.959	26.22
180	13.65	34.953	26.23
190	13.55	34.946	26.24
200	13.52	34.944	26.24
210	13.45	34.941	26.26
220	13.38	34.938	26.27
230	13.32	34.939	26.28
240	13.25	34.937	26.29
250	13.14	34.933	26.31
260	12.98	34.926	26.34
270	12.97	34.924	26.34
280	12.78	34.914	26.37
290	12.67	34.904	26.39
300	12.39	34.886	26.43
350	10.71	34.786	26.66
400	9.45	34.713	26.82
450	8.61	34.669	26.92
500	8.01	34.643	26.99
550	7.40	34.617	27.06
600	6.96	34.602	27.11
650	6.51	34.588	27.16
700	6.21	34.576	27.19
750	5.80	34.568	27.24
800	5.40	34.563	27.28
850	5.13	34.564	27.31
900	4.92	34.569	27.34
950	4.72	34.569	27.37
1000	4.58	34.572	27.38

EPOCS EP1-86-OC CTD 87 OCEANOGRAPHER

Date 05 11 86 Latitude 5.022 S

Time 0400 Z Longitude 81.748 W

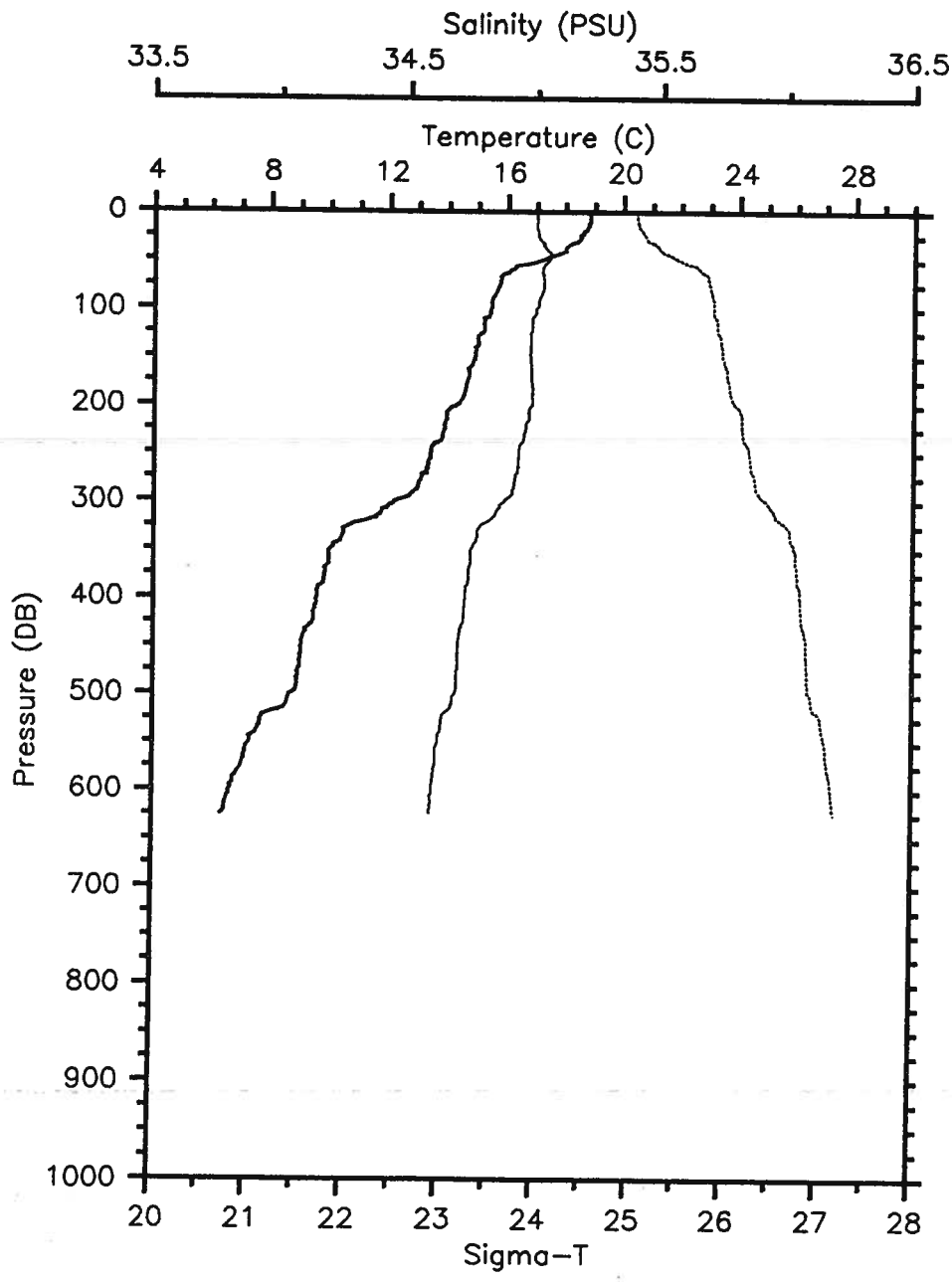


Prs	Tem	Sal	SigT
0	19.64	34.978	24.84
10	19.61	34.979	24.85
20	19.36	35.004	24.93
30	19.12	35.010	25.00
40	16.42	35.034	25.68
50	16.24	35.037	25.72
60	15.93	35.036	25.79
70	15.27	34.997	25.91
80	14.99	34.994	25.97
90	14.95	34.997	25.98
100	14.76	34.993	26.02
110	14.58	35.000	26.06
120	14.36	34.999	26.11
130	14.03	34.980	26.17
140	13.98	34.976	26.17
150	13.91	34.971	26.18
160	13.81	34.962	26.20
170	13.73	34.957	26.21
180	13.69	34.958	26.22
190	13.62	34.955	26.23
200	13.55	34.944	26.24
210	13.48	34.941	26.25
220	13.44	34.939	26.26
230	13.41	34.938	26.26
240	13.37	34.936	26.27
250	13.35	34.934	26.27
260	13.30	34.932	26.28
270	13.12	34.927	26.31
280	13.03	34.921	26.33
290	12.87	34.917	26.35
300	12.70	34.910	26.38
350	10.51	34.775	26.69
400	9.47	34.716	26.82
450	8.59	34.670	26.93
500	8.06	34.644	26.99
550	7.49	34.618	27.05
600	6.90	34.593	27.11
650	6.40	34.586	27.17
700	6.09	34.577	27.21
750	5.75	34.568	27.24
800	5.42	34.565	27.28
850	5.17	34.567	27.31
900	4.95	34.566	27.34
950	4.77	34.570	27.36
1000	4.59	34.575	27.38

EPOCS EP1-86-OC CTD 88 OCEANOGRAPHER

Date 05 11 86 Latitude 5.008 S

Time 0636 Z Longitude 81.457 W

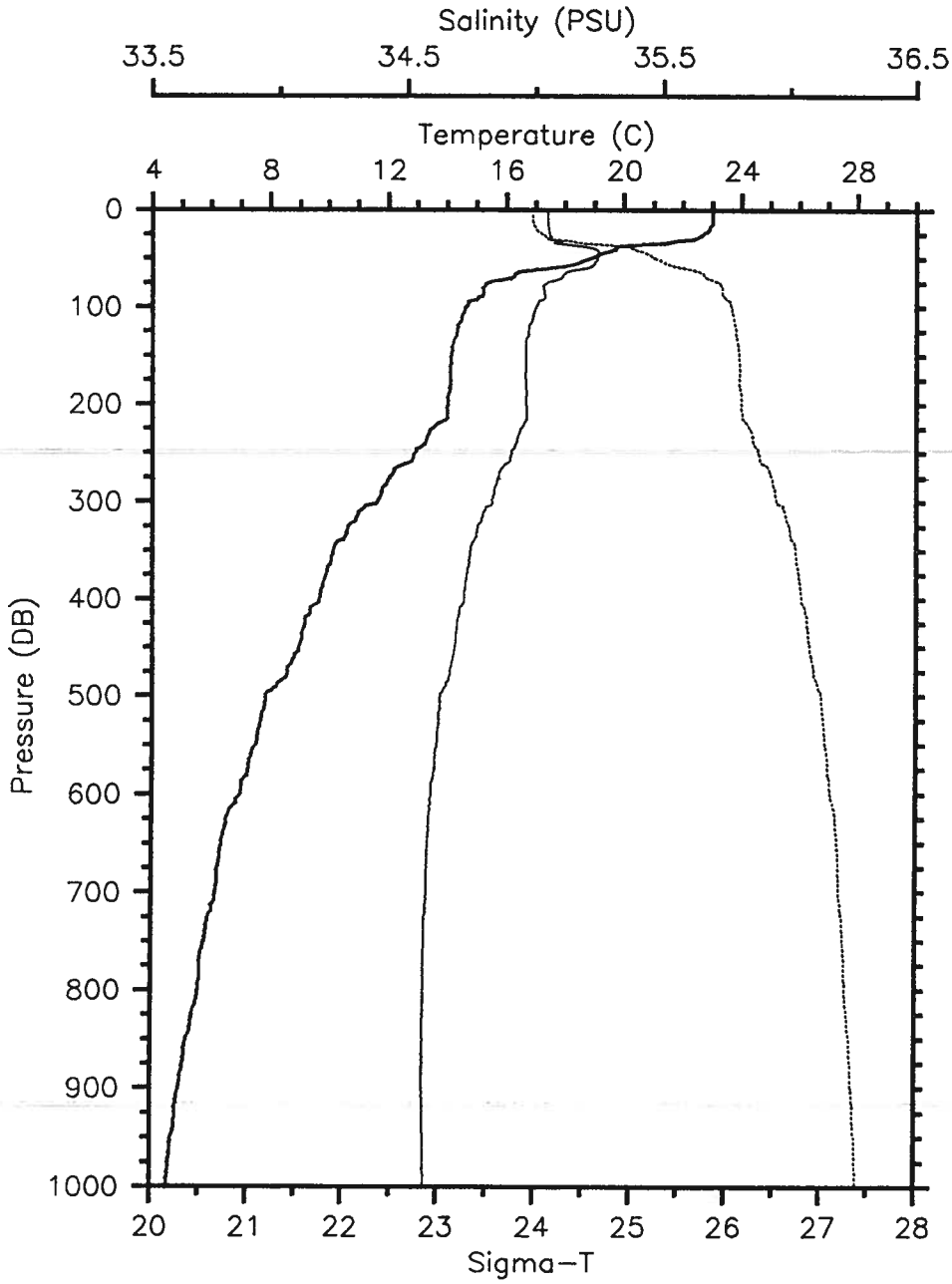


Prs	Tem	Sal	SigT
0	18.83	35.000	25.06
10	18.82	34.999	25.07
20	18.64	35.002	25.12
30	18.42	35.014	25.18
40	17.99	35.041	25.31
50	17.15	35.048	25.52
60	16.12	35.022	25.74
70	15.77	35.027	25.82
80	15.66	35.025	25.85
90	15.47	35.009	25.87
100	15.43	34.998	25.88
110	15.22	34.983	25.91
120	15.19	34.982	25.92
130	15.01	34.977	25.95
140	14.94	34.978	25.97
150	14.90	34.977	25.98
160	14.76	34.976	26.01
170	14.69	34.980	26.03
180	14.59	34.982	26.05
190	14.52	34.983	26.06
200	14.28	34.985	26.12
210	13.94	34.971	26.18
220	13.88	34.959	26.18
230	13.81	34.953	26.19
240	13.54	34.939	26.24
250	13.40	34.931	26.26
260	13.32	34.928	26.27
270	13.25	34.926	26.29
280	13.02	34.913	26.32
290	12.83	34.907	26.36
300	12.21	34.875	26.45
350	9.99	34.744	26.75
400	9.56	34.722	26.81
450	9.06	34.696	26.87
500	8.69	34.683	26.92
550	7.32	34.618	27.07
600	6.64	34.595	27.15

EPOCS EP1-86-OC CTD 90 OCEANOGRAPHER

Date 05 12 86 Latitude 1.528 S

Time 0736 Z Longitude 84.995 W

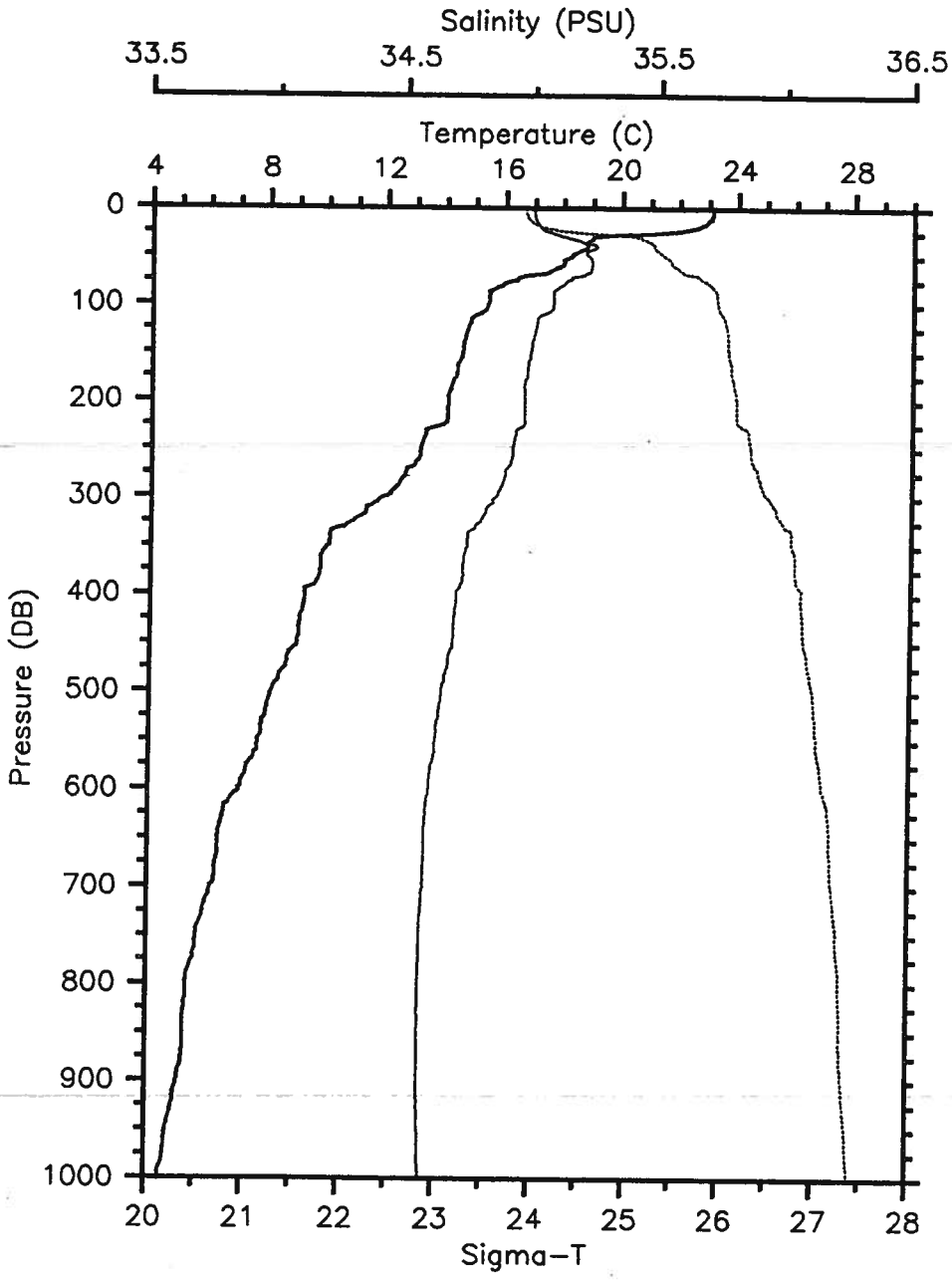


Prs	Tem	Sal	SigT
0	23.01	35.046	23.97
10	23.01	35.046	23.97
20	22.91	35.050	24.00
30	22.40	35.045	24.14
40	19.72	35.231	25.01
50	18.86	35.239	25.24
60	17.47	35.201	25.56
70	16.18	35.101	25.78
80	15.22	35.030	25.95
90	15.07	35.035	25.98
100	14.65	34.999	26.05
110	14.52	34.989	26.07
120	14.38	34.974	26.09
130	14.32	34.969	26.09
140	14.19	34.961	26.12
150	14.15	34.961	26.13
160	14.13	34.962	26.13
170	14.11	34.960	26.13
180	14.11	34.961	26.14
190	14.05	34.965	26.15
200	14.02	34.963	26.16
210	14.01	34.965	26.16
220	13.72	34.954	26.21
230	13.39	34.933	26.26
240	13.27	34.924	26.28
250	12.93	34.905	26.33
260	12.71	34.891	26.37
270	12.16	34.859	26.45
280	11.96	34.851	26.48
290	11.78	34.840	26.51
300	11.66	34.832	26.52
350	10.16	34.747	26.73
400	9.68	34.722	26.79
450	8.97	34.686	26.88
500	7.85	34.628	27.00
550	7.48	34.616	27.05
600	6.99	34.596	27.10
650	6.36	34.583	27.18
700	6.17	34.578	27.20
750	5.78	34.570	27.24
800	5.59	34.568	27.26
850	5.19	34.567	27.31
900	4.95	34.566	27.34
950	4.69	34.570	27.37
1000	4.53	34.573	27.39

EPOCS EP1-86-OC CTD 91 OCEANOGRAPHER

Date 05 12 86 Latitude 0.988 S

Time 1257 Z Longitude 85.005 W

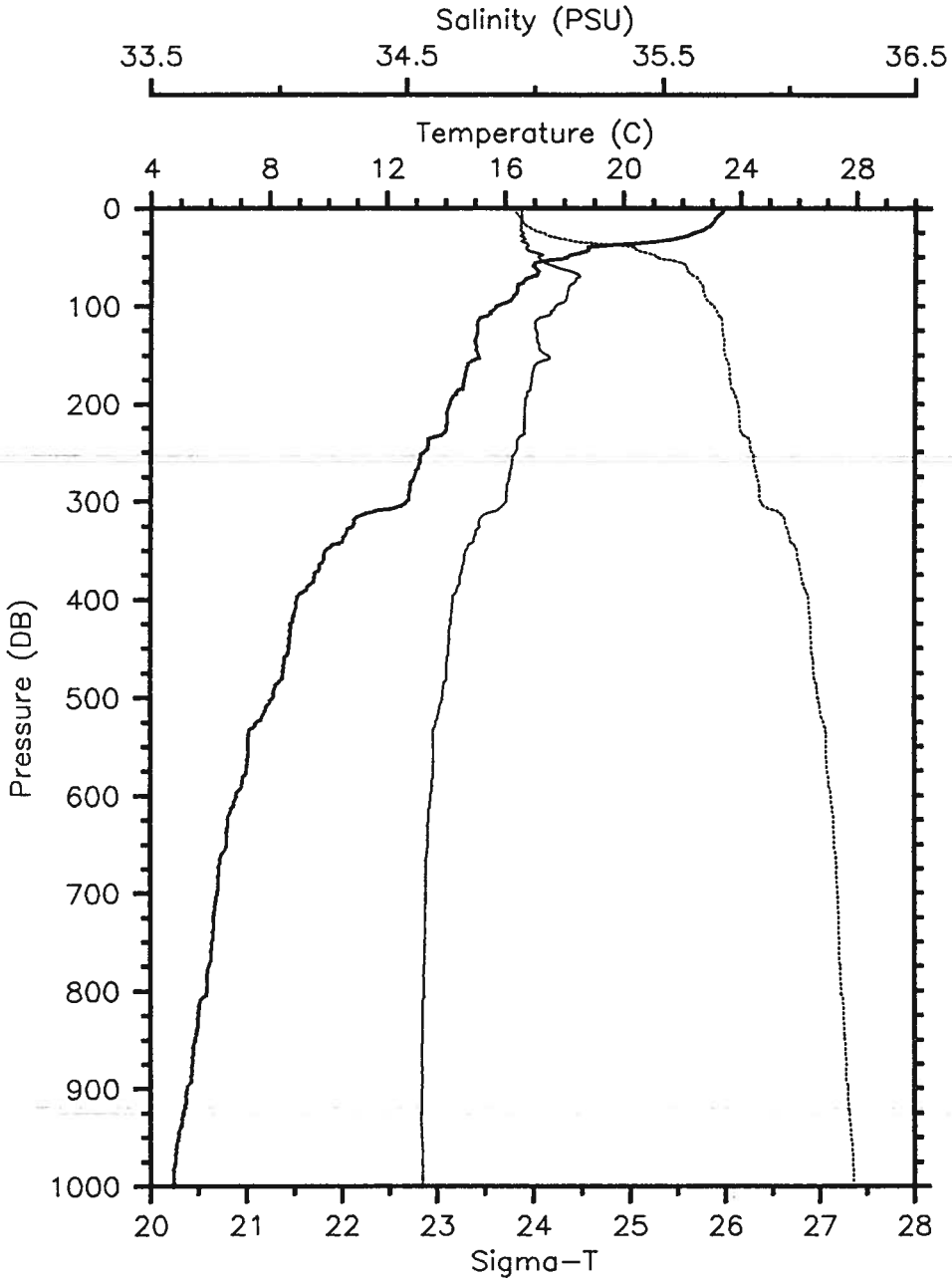


Prs	Tem	Sal	SigT
0	23.12	34.995	23.90
10	23.08	34.998	23.91
20	22.61	35.017	24.06
30	19.02	35.120	25.11
40	18.79	35.245	25.26
50	18.27	35.210	25.37
60	17.91	35.224	25.47
70	16.70	35.190	25.73
80	15.90	35.114	25.86
90	15.45	35.074	25.93
100	15.40	35.074	25.94
110	15.10	35.040	25.98
120	14.78	35.008	26.03
130	14.67	34.999	26.04
140	14.60	34.990	26.05
150	14.55	34.984	26.06
160	14.42	34.975	26.08
170	14.37	34.973	26.09
180	14.22	34.963	26.11
190	14.12	34.963	26.13
200	14.07	34.962	26.14
210	14.06	34.962	26.15
220	14.04	34.962	26.15
230	13.35	34.930	26.27
240	13.23	34.923	26.29
250	13.14	34.917	26.30
260	13.08	34.914	26.31
270	12.70	34.893	26.37
280	12.55	34.884	26.39
290	12.31	34.869	26.43
300	11.90	34.851	26.49
350	10.00	34.743	26.75
400	9.24	34.699	26.84
450	9.01	34.687	26.87
500	8.14	34.647	26.98
550	7.71	34.623	27.02
600	7.09	34.598	27.09
650	6.40	34.583	27.17
700	6.16	34.580	27.20
750	5.69	34.568	27.25
800	5.36	34.565	27.29
850	5.27	34.565	27.30
900	5.08	34.566	27.32
950	4.71	34.569	27.37
1000	4.47	34.575	27.40

EPOCS EP1-86-OC CTD 92 OCEANOGRAPHER

Date 05 12 86 Latitude 0.528 S

Time 1605 Z Longitude 85.003 W

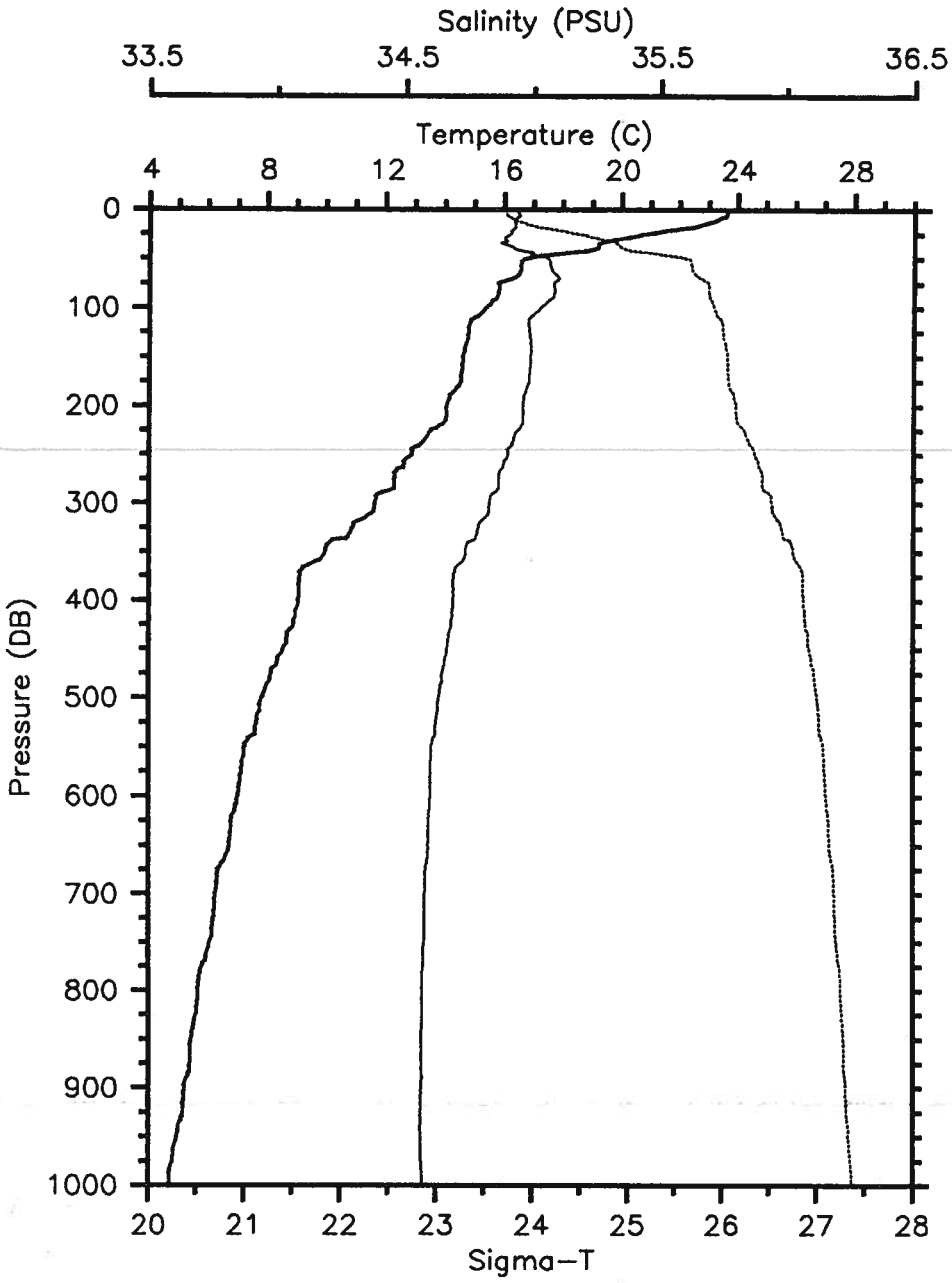


Prs	Tem	Sal	SigT
0	23.38	34.949	23.79
10	23.15	34.949	23.85
20	22.82	34.946	23.95
30	21.88	34.960	24.22
40	18.83	34.967	25.04
50	18.12	35.012	25.25
60	17.00	35.080	25.58
70	16.91	35.174	25.67
80	16.43	35.131	25.75
90	16.31	35.125	25.77
100	15.76	35.082	25.87
110	15.44	35.053	25.92
120	15.09	35.002	25.95
130	15.07	35.009	25.96
140	15.03	35.018	25.98
150	15.11	35.050	25.99
160	14.77	35.002	26.03
170	14.68	34.992	26.04
180	14.62	34.988	26.05
190	14.37	34.972	26.09
200	14.16	34.965	26.13
210	14.08	34.962	26.14
220	14.06	34.962	26.15
230	13.97	34.964	26.17
240	13.43	34.934	26.26
250	13.31	34.929	26.28
260	13.14	34.914	26.30
270	12.99	34.906	26.32
280	12.84	34.901	26.35
290	12.77	34.894	26.36
300	12.69	34.893	26.37
350	9.92	34.736	26.76
400	8.95	34.685	26.88
450	8.67	34.670	26.91
500	8.12	34.645	26.98
550	7.29	34.608	27.07
600	6.89	34.598	27.12
650	6.56	34.588	27.15
700	6.25	34.581	27.19
750	6.07	34.577	27.21
800	5.90	34.574	27.23
850	5.50	34.567	27.27
900	5.24	34.566	27.30
950	4.94	34.566	27.34
1000	4.76	34.569	27.36

EPOCS EP1-86-OC CTD 93 OCEANOGRAPHER

Date 05 12 86 Latitude 0.002 N

Time 2046 Z Longitude 84.985 W

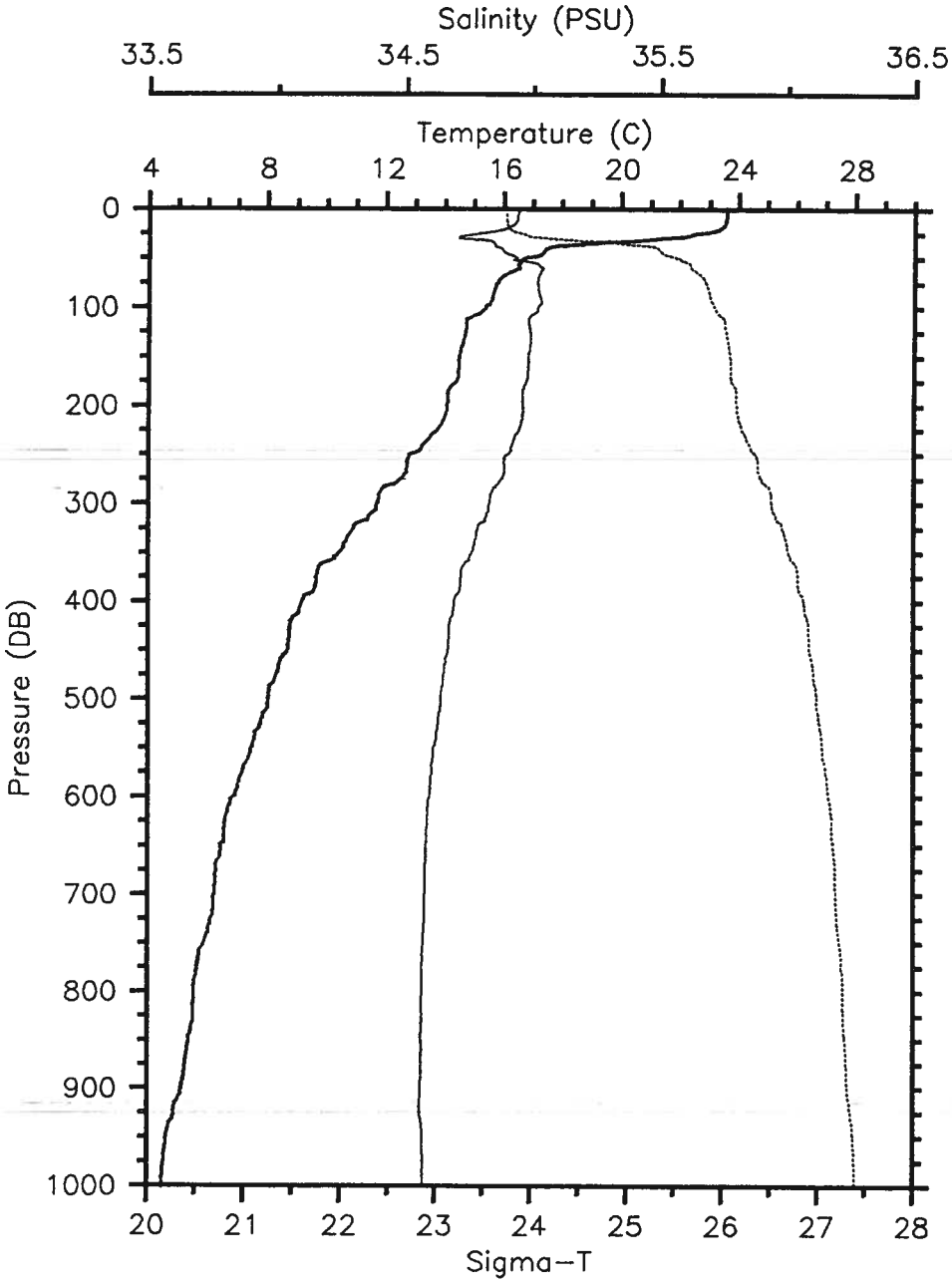


Prs	Tem	Sal	SigT
0	23.62	34.940	23.71
10	23.32	34.927	23.79
20	21.96	34.923	24.17
30	19.87	34.888	24.71
40	19.09	34.926	24.94
50	16.71	35.055	25.63
60	16.58	35.071	25.67
70	16.29	35.101	25.76
80	15.85	35.083	25.85
90	15.74	35.073	25.86
100	15.40	35.029	25.91
110	15.03	34.988	25.96
120	14.82	34.984	26.00
130	14.80	34.988	26.01
140	14.70	34.993	26.03
150	14.63	34.990	26.05
160	14.60	34.989	26.05
170	14.56	34.985	26.06
180	14.45	34.977	26.07
190	14.18	34.964	26.12
200	14.08	34.961	26.14
210	14.06	34.963	26.15
220	13.85	34.955	26.18
230	13.44	34.929	26.25
240	13.17	34.920	26.30
250	12.91	34.903	26.34
260	12.63	34.886	26.38
270	12.33	34.869	26.42
280	12.32	34.869	26.43
290	11.76	34.842	26.51
300	11.65	34.832	26.52
350	9.99	34.738	26.75
400	9.08	34.690	26.86
450	8.56	34.665	26.93
500	7.84	34.635	27.01
550	7.26	34.606	27.07
600	7.03	34.603	27.10
650	6.73	34.594	27.14
700	6.28	34.582	27.19
750	6.09	34.579	27.21
800	5.70	34.571	27.25
850	5.45	34.568	27.28
900	5.22	34.567	27.31
950	4.96	34.565	27.33
1000	4.70	34.572	27.37

EPOCS EP1-86-OC CTD 94 OCEANOGRAPHER

Date 05 13 86 Latitude 0.502 N

Time 0009 Z Longitude 84.972 W

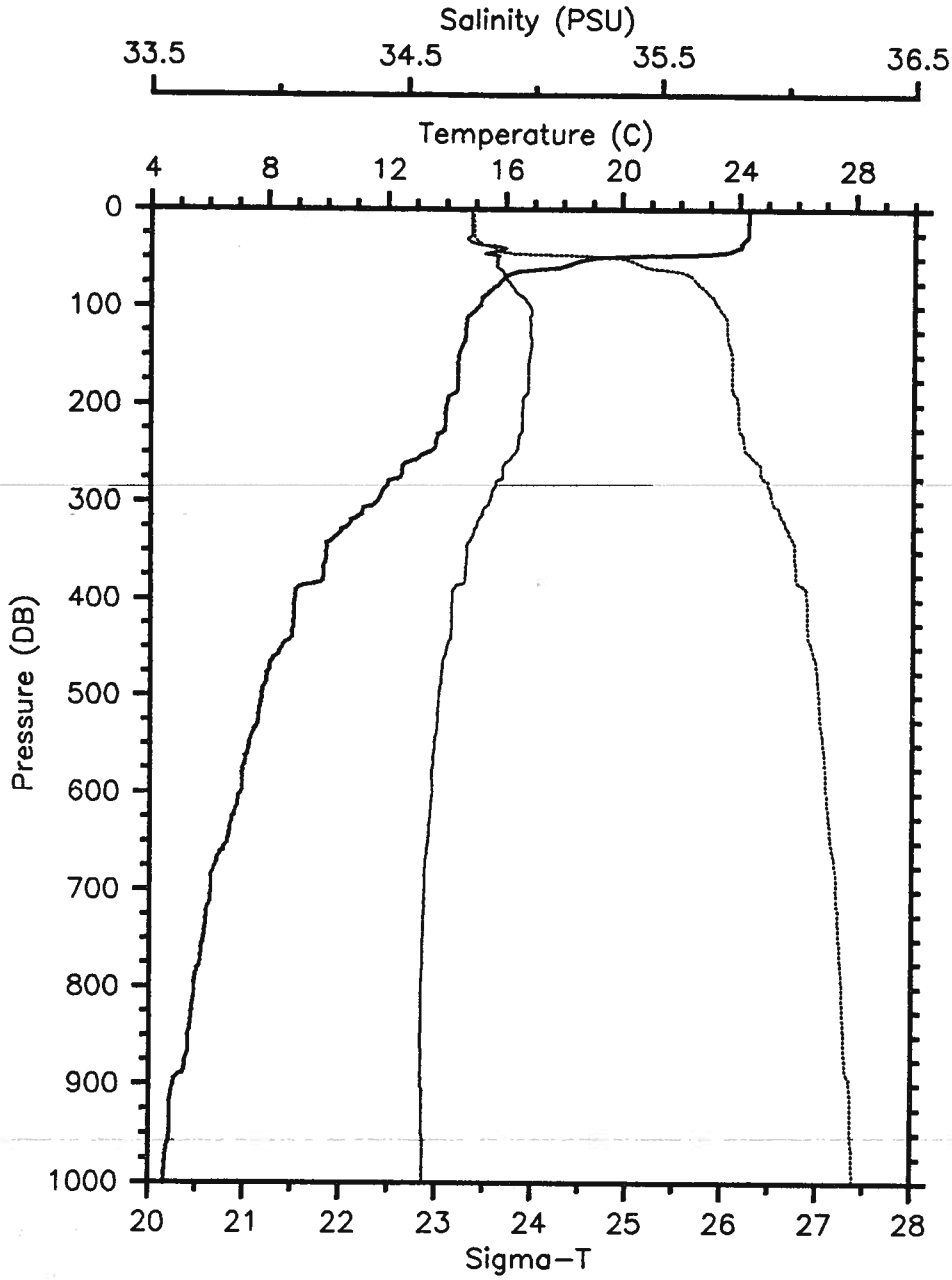


Prs	Tem	Sal	SigT
0	23.61	34.945	23.72
10	23.57	34.938	23.72
20	23.37	34.898	23.75
30	21.28	34.708	24.20
40	17.48	34.879	25.31
50	16.77	34.939	25.52
60	16.54	35.040	25.66
70	15.93	35.021	25.78
80	15.72	35.022	25.83
90	15.63	35.030	25.86
100	15.40	35.021	25.90
110	14.93	34.991	25.98
120	14.76	34.987	26.02
130	14.69	34.993	26.03
140	14.59	34.990	26.06
150	14.51	34.984	26.07
160	14.48	34.983	26.07
170	14.46	34.981	26.07
180	14.23	34.968	26.12
190	14.11	34.962	26.13
200	14.10	34.963	26.14
210	14.03	34.963	26.15
220	13.87	34.954	26.18
230	13.56	34.933	26.23
240	13.27	34.920	26.28
250	12.85	34.908	26.35
260	12.72	34.890	26.36
270	12.64	34.891	26.38
280	12.30	34.868	26.43
290	11.79	34.837	26.50
300	11.72	34.833	26.51
350	10.45	34.764	26.69
400	9.18	34.695	26.85
450	8.71	34.671	26.91
500	8.07	34.645	26.99
550	7.49	34.614	27.05
600	6.90	34.600	27.12
650	6.48	34.587	27.16
700	6.26	34.582	27.19
750	5.90	34.576	27.23
800	5.57	34.570	27.27
850	5.39	34.567	27.29
900	5.16	34.565	27.31
950	4.64	34.573	27.38
1000	4.50	34.577	27.40

EPOCS EP1-86-OC CTD 95 OCEANOGRAPHER

Date 05 13 86 Latitude 1.000 N

Time 0651 Z Longitude 84.998 W

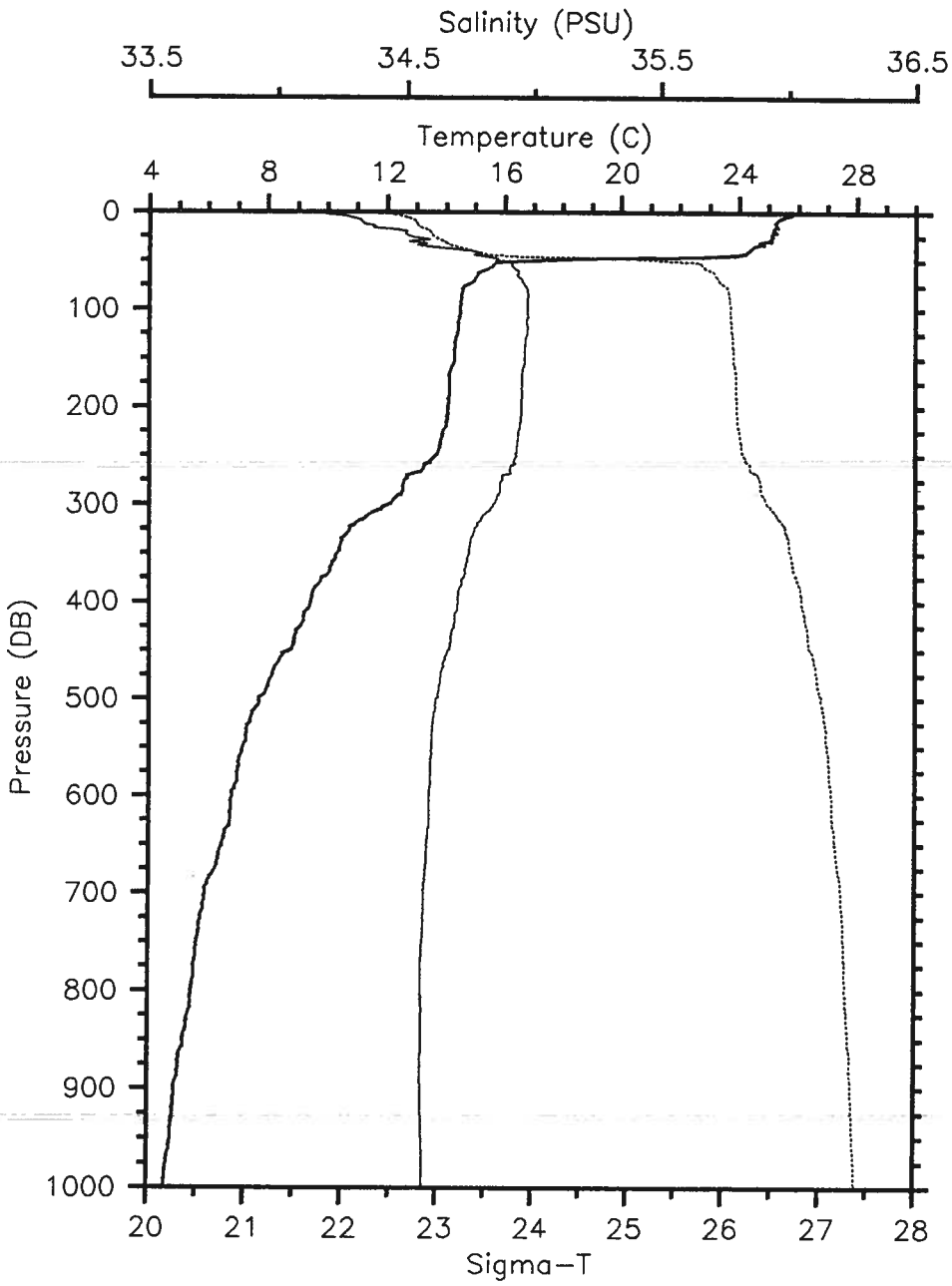


Prs	Tem	Sal	SigT
0	24.32	34.752	23.36
10	24.32	34.752	23.36
20	24.31	34.750	23.36
30	24.21	34.734	23.38
40	23.90	34.888	23.59
50	19.12	34.849	24.88
60	17.81	34.854	25.21
70	15.99	34.890	25.67
80	15.65	34.917	25.76
90	15.24	34.954	25.88
100	15.10	34.986	25.94
110	14.76	34.984	26.01
120	14.68	34.986	26.03
130	14.66	34.986	26.04
140	14.55	34.989	26.06
150	14.43	34.983	26.08
160	14.40	34.978	26.09
170	14.40	34.977	26.09
180	14.40	34.978	26.09
190	14.24	34.972	26.12
200	14.03	34.957	26.15
210	13.99	34.955	26.15
220	13.99	34.955	26.16
230	13.75	34.947	26.20
240	13.65	34.938	26.21
250	13.36	34.929	26.27
260	12.67	34.885	26.37
270	12.53	34.879	26.39
280	12.05	34.851	26.46
290	11.82	34.836	26.50
300	11.68	34.826	26.52
350	9.99	34.738	26.75
400	8.93	34.682	26.88
450	8.49	34.661	26.93
500	7.82	34.631	27.01
550	7.41	34.615	27.06
600	7.11	34.606	27.09
650	6.65	34.591	27.14
700	6.10	34.577	27.21
750	5.85	34.572	27.23
800	5.53	34.566	27.27
850	5.34	34.564	27.29
900	4.82	34.566	27.35
950	4.71	34.572	27.37
1000	4.51	34.576	27.39

EPOCS EP1-86-OC CTD 96 OCEANOGRAPHER

Date 05 13 86 Latitude 1.503 N

Time 1042 Z Longitude 84.993 W

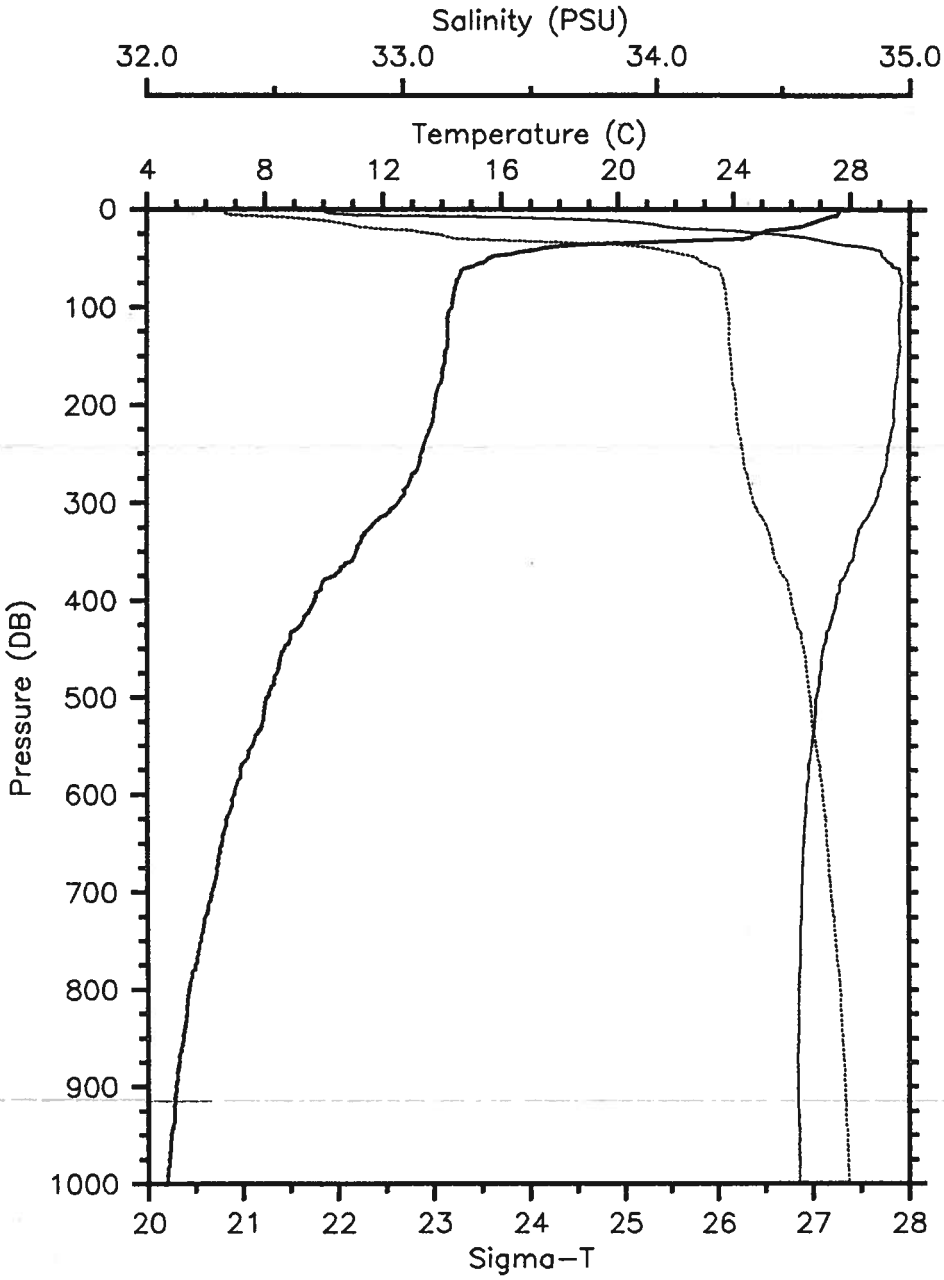


Prs	Tem	Sal	SigT
0	25.76	34.181	22.49
10	25.24	34.324	22.76
20	25.21	34.500	22.90
30	24.73	34.508	23.05
40	24.30	34.752	23.37
50	17.17	34.851	25.36
60	15.26	34.940	25.87
70	14.97	34.954	25.94
80	14.57	34.975	26.05
90	14.52	34.975	26.06
100	14.48	34.975	26.07
110	14.44	34.973	26.07
120	14.42	34.975	26.08
130	14.33	34.967	26.09
140	14.30	34.964	26.10
150	14.29	34.965	26.10
160	14.19	34.957	26.11
170	14.12	34.954	26.13
180	14.11	34.953	26.13
190	14.10	34.954	26.13
200	14.08	34.952	26.13
210	14.06	34.950	26.14
220	14.01	34.946	26.14
230	13.87	34.938	26.17
240	13.80	34.934	26.18
250	13.65	34.933	26.21
260	13.27	34.911	26.27
270	12.69	34.875	26.36
280	12.53	34.867	26.38
290	12.37	34.858	26.41
300	12.04	34.840	26.46
350	10.34	34.748	26.70
400	9.44	34.702	26.81
450	8.72	34.663	26.90
500	7.71	34.616	27.02
550	7.16	34.601	27.08
600	6.80	34.591	27.12
650	6.47	34.582	27.16
700	5.90	34.571	27.23
750	5.63	34.565	27.26
800	5.44	34.560	27.27
850	5.18	34.562	27.31
900	4.89	34.562	27.34
950	4.78	34.567	27.36
1000	4.55	34.570	27.39

EPOCS EP1-86-OC CTD 97 OCEANOGRAPHER

Date 05 13 86 Latitude 1.927 N

Time 1411 Z Longitude 84.998 W

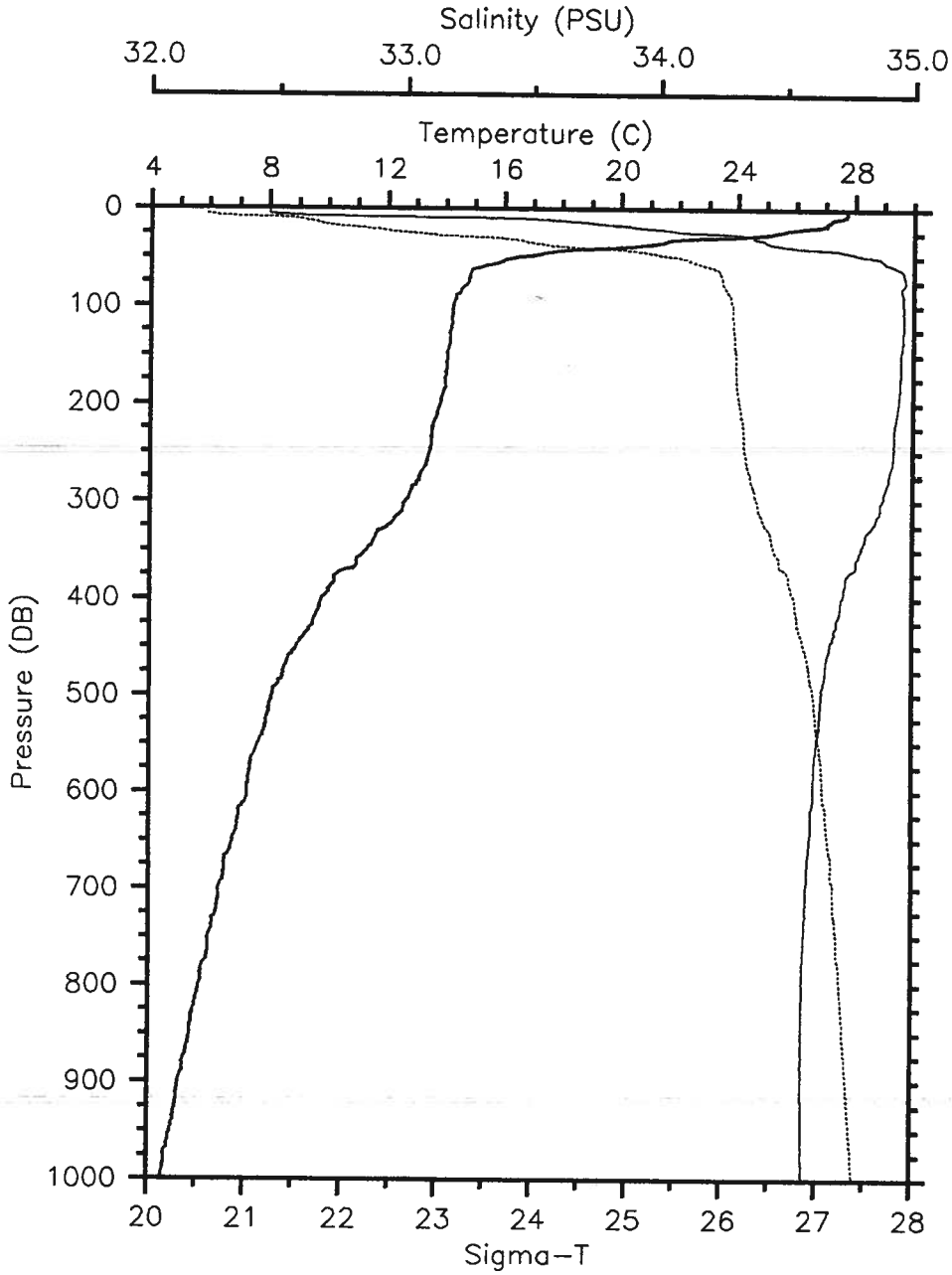


Prs	Tem	Sal	SigT
0	27.61	32.685	20.78
10	27.11	33.635	21.66
20	25.93	34.101	22.38
30	24.36	34.621	23.25
40	17.39	34.857	25.31
50	15.61	34.908	25.77
60	14.77	34.963	25.99
70	14.56	34.968	26.04
80	14.46	34.969	26.07
90	14.38	34.967	26.08
100	14.34	34.967	26.09
110	14.21	34.960	26.11
120	14.21	34.960	26.11
130	14.21	34.962	26.11
140	14.20	34.965	26.12
150	14.12	34.960	26.13
160	14.07	34.957	26.14
170	14.03	34.955	26.15
180	13.93	34.947	26.16
190	13.83	34.944	26.18
200	13.78	34.943	26.19
210	13.73	34.941	26.20
220	13.68	34.939	26.21
230	13.54	34.931	26.23
240	13.41	34.922	26.25
250	13.30	34.915	26.27
260	13.23	34.915	26.28
270	13.04	34.900	26.31
280	12.90	34.892	26.33
290	12.74	34.882	26.35
300	12.53	34.869	26.38
350	11.12	34.789	26.59
400	9.70	34.719	26.78
450	8.68	34.668	26.91
500	8.08	34.641	26.98
550	7.57	34.622	27.04
600	6.96	34.602	27.11
650	6.54	34.590	27.16
700	6.20	34.582	27.20
750	5.82	34.577	27.24
800	5.41	34.570	27.29
850	5.20	34.568	27.31
900	4.96	34.566	27.34
950	4.78	34.571	27.36
1000	4.64	34.571	27.38

EPOCS EP1-86-OC CTD 98 OCEANOGRAPHER

Date 05 13 86 Latitude 2.502 N

Time 1814 Z Longitude 85.000 W

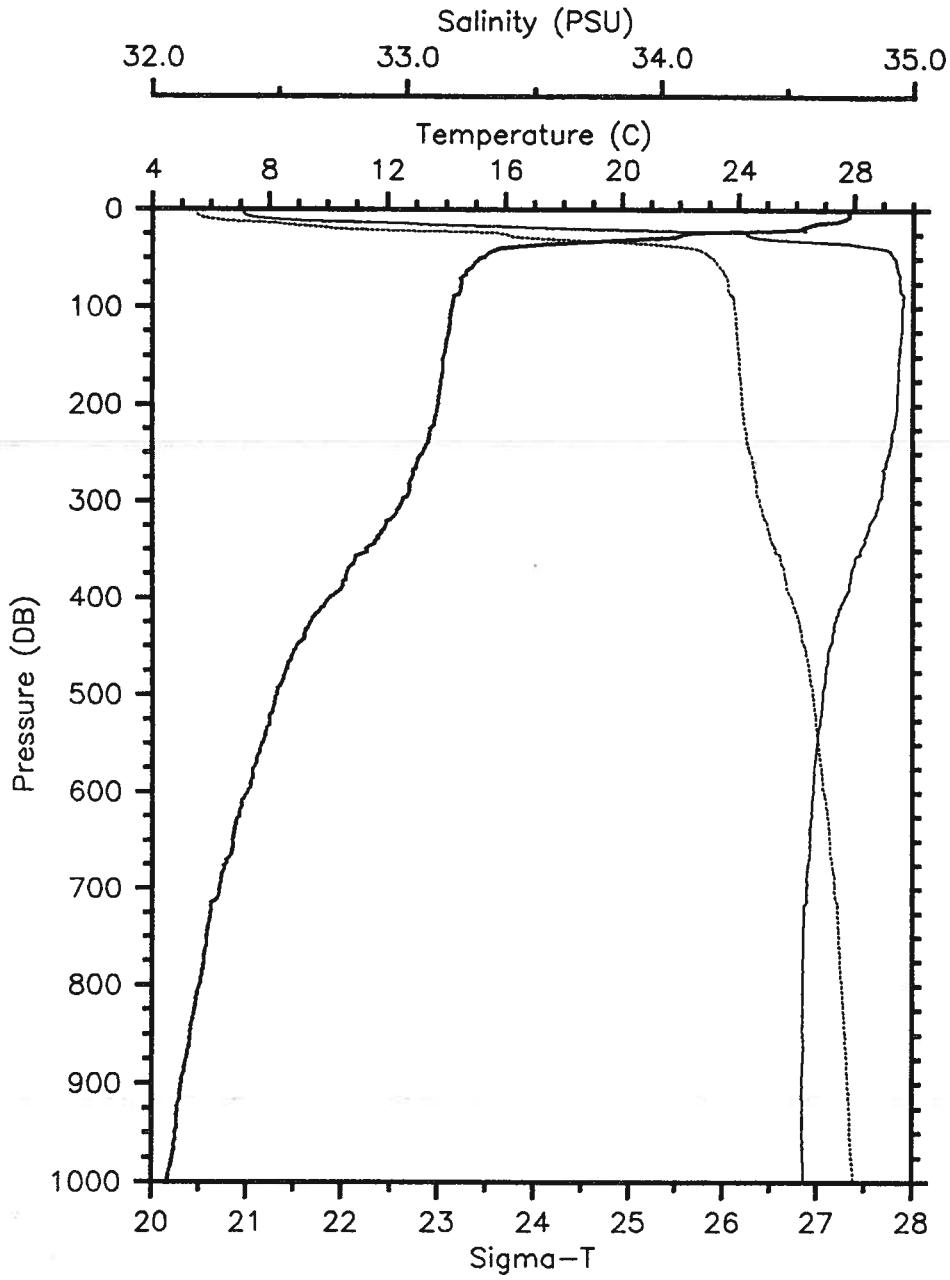


Prs	Tem	Sal	SigT
0	27.71	32.459	20.58
10	27.24	33.443	21.47
20	26.13	33.929	22.19
30	22.41	34.368	23.62
40	19.75	34.552	24.49
50	16.46	34.865	25.54
60	15.20	34.938	25.88
70	14.84	34.966	25.98
80	14.64	34.955	26.02
90	14.36	34.960	26.08
100	14.26	34.962	26.10
110	14.23	34.962	26.11
120	14.21	34.963	26.11
130	14.16	34.960	26.12
140	14.15	34.959	26.13
150	14.06	34.953	26.14
160	14.05	34.953	26.14
170	14.02	34.952	26.15
180	14.01	34.951	26.15
190	13.92	34.947	26.16
200	13.84	34.943	26.18
210	13.74	34.938	26.19
220	13.61	34.931	26.22
230	13.56	34.928	26.22
240	13.54	34.927	26.23
250	13.47	34.925	26.24
260	13.38	34.922	26.26
270	13.20	34.910	26.28
280	13.07	34.904	26.31
290	12.84	34.889	26.34
300	12.66	34.879	26.37
350	11.34	34.798	26.56
400	9.83	34.723	26.77
450	8.99	34.676	26.87
500	8.17	34.646	26.97
550	7.69	34.628	27.03
600	7.34	34.615	27.07
650	6.85	34.600	27.12
700	6.38	34.585	27.18
750	6.02	34.576	27.22
800	5.72	34.571	27.25
850	5.41	34.570	27.29
900	5.04	34.569	27.33
950	4.78	34.572	27.36
1000	4.47	34.576	27.40

EPOCS EP1-86-OC CTD 99 OCEANOGRAPHER

Date 05 13 86 Latitude 3.002 N

Time 2133 Z Longitude 85.000 W

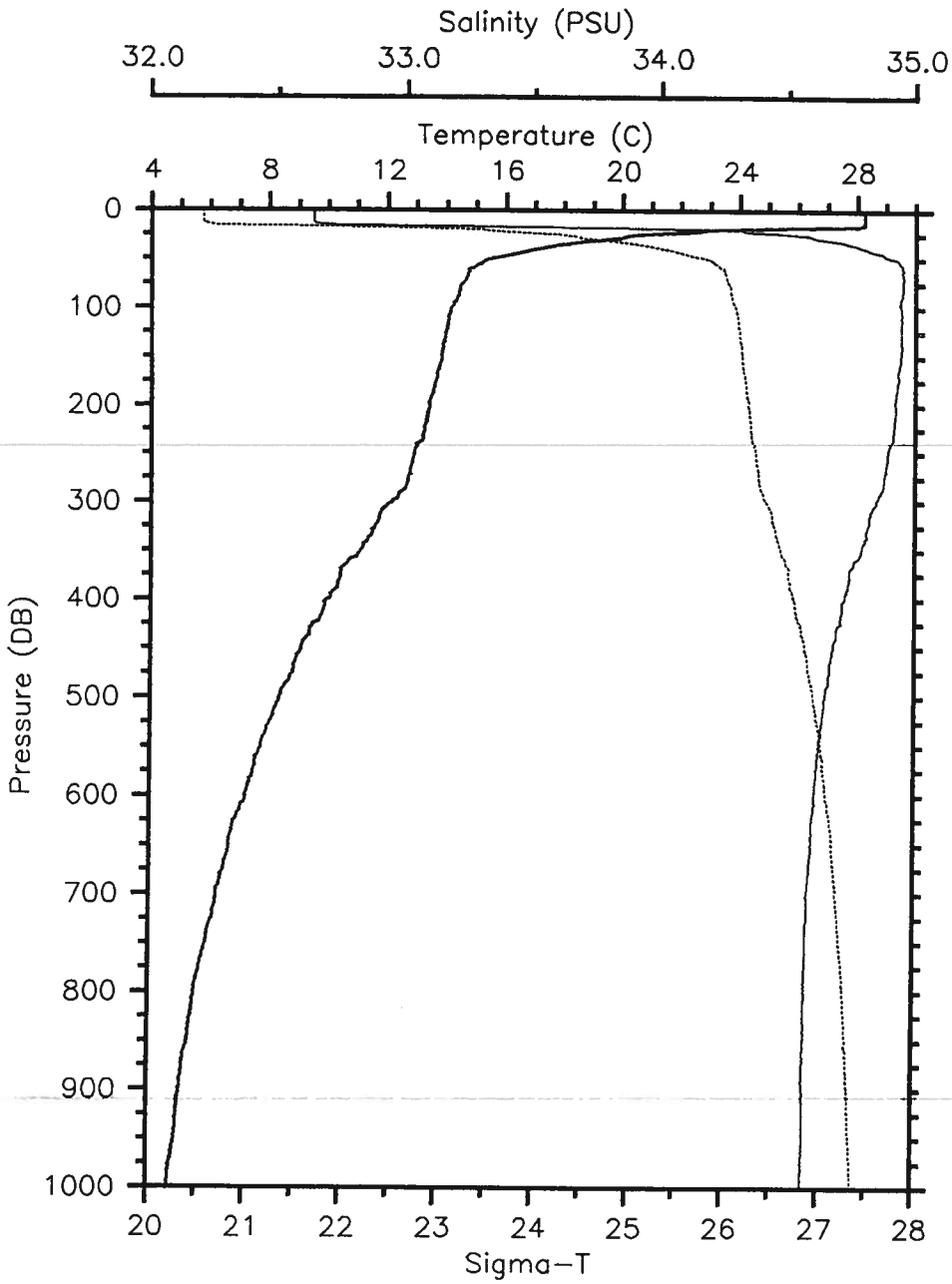


Prs	Tem	Sal	SigT
0	27.85	32.355	20.46
10	27.62	32.481	20.63
20	26.28	33.660	21.94
30	20.77	34.439	24.13
40	15.80	34.899	25.72
50	15.16	34.933	25.89
60	14.81	34.941	25.97
70	14.52	34.948	26.04
80	14.50	34.950	26.04
90	14.27	34.960	26.10
100	14.20	34.958	26.11
110	14.15	34.958	26.12
120	14.11	34.957	26.13
130	14.05	34.953	26.14
140	14.00	34.951	26.15
150	13.93	34.948	26.16
160	13.90	34.946	26.17
170	13.87	34.944	26.17
180	13.81	34.942	26.18
190	13.77	34.941	26.19
200	13.73	34.940	26.20
210	13.66	34.935	26.21
220	13.60	34.931	26.22
230	13.45	34.920	26.24
240	13.37	34.918	26.26
250	13.22	34.910	26.28
260	13.02	34.898	26.31
270	12.89	34.889	26.33
280	12.77	34.884	26.35
290	12.76	34.883	26.35
300	12.53	34.868	26.39
350	11.35	34.796	26.55
400	10.07	34.733	26.73
450	8.94	34.674	26.87
500	8.27	34.648	26.96
550	7.75	34.625	27.02
600	7.28	34.610	27.07
650	6.76	34.596	27.13
700	6.31	34.585	27.18
750	5.87	34.572	27.23
800	5.61	34.570	27.26
850	5.30	34.570	27.30
900	5.01	34.567	27.33
950	4.81	34.569	27.36
1000	4.54	34.575	27.39

EPOCS EP1-86-OC CTD 100 OCEANOGRAPHER

Date 05 14 86 Latitude 3.485 N

Time 0032 Z Longitude 84.992 W

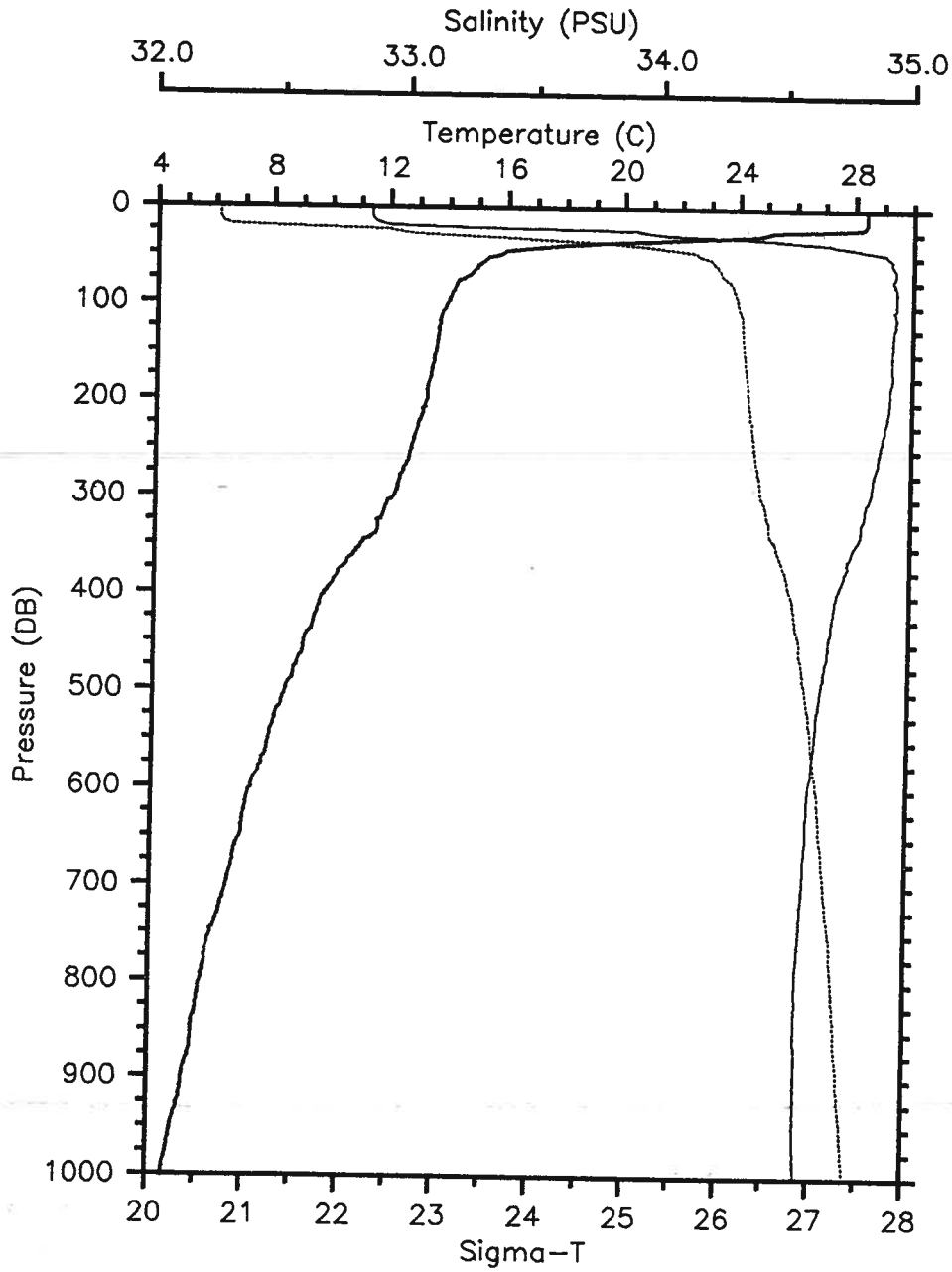


Prs	Tem	Sal	SigT
0	28.25	32.634	20.54
10	28.25	32.634	20.54
20	22.95	34.316	23.43
30	19.37	34.657	24.67
40	16.93	34.813	25.39
50	15.41	34.930	25.83
60	14.75	34.954	25.99
70	14.64	34.952	26.02
80	14.43	34.951	26.06
90	14.34	34.943	26.07
100	14.14	34.945	26.12
110	14.05	34.946	26.14
120	14.00	34.944	26.14
130	13.93	34.945	26.16
140	13.87	34.947	26.17
150	13.82	34.943	26.18
160	13.75	34.937	26.19
170	13.66	34.935	26.21
180	13.59	34.931	26.22
190	13.48	34.924	26.24
200	13.41	34.923	26.25
210	13.35	34.923	26.26
220	13.28	34.919	26.27
230	13.22	34.915	26.28
240	13.02	34.903	26.31
250	12.92	34.893	26.33
260	12.85	34.889	26.34
270	12.74	34.882	26.35
280	12.67	34.877	26.36
290	12.41	34.866	26.41
300	12.19	34.848	26.44
350	11.11	34.788	26.59
400	9.98	34.722	26.74
450	9.11	34.679	26.85
500	8.37	34.647	26.94
550	7.75	34.623	27.02
600	7.25	34.608	27.08
650	6.70	34.595	27.14
700	6.27	34.580	27.19
750	5.93	34.577	27.23
800	5.55	34.574	27.27
850	5.34	34.573	27.30
900	5.10	34.570	27.32
950	4.93	34.572	27.34
1000	4.70	34.569	27.37

EPOCS EP1-86-OC CTD 101 OCEANOGRAPHER

Date 05 14 86 Latitude 3.985 N

Time 0336 Z Longitude 84.987 W

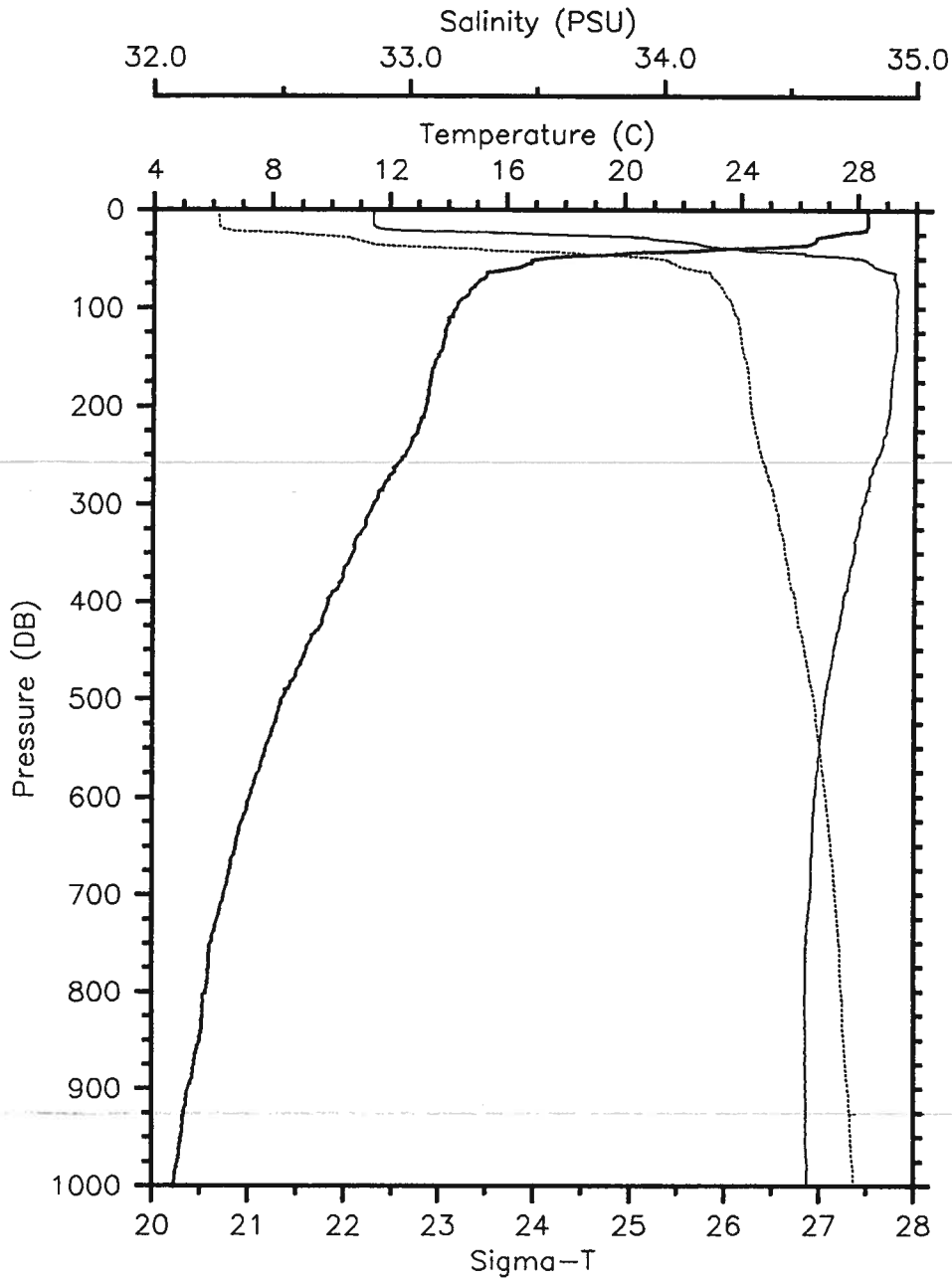


Prs	Tem	Sal	SigT
0	28.38	32.846	20.66
10	28.38	32.846	20.65
20	28.21	32.930	20.77
30	23.53	34.247	23.21
40	17.76	34.761	25.15
50	15.73	34.904	25.74
60	14.99	34.925	25.92
70	14.74	34.924	25.97
80	14.27	34.932	26.08
90	14.10	34.936	26.12
100	13.95	34.934	26.15
110	13.79	34.932	26.18
120	13.71	34.929	26.19
130	13.67	34.924	26.20
140	13.62	34.922	26.21
150	13.58	34.921	26.22
160	13.51	34.920	26.23
170	13.44	34.922	26.24
180	13.38	34.917	26.25
190	13.31	34.913	26.26
200	13.28	34.911	26.27
210	13.17	34.906	26.29
220	13.08	34.900	26.30
230	12.98	34.892	26.31
240	12.88	34.884	26.33
250	12.79	34.876	26.34
260	12.70	34.869	26.35
270	12.54	34.859	26.38
280	12.42	34.852	26.39
290	12.34	34.846	26.41
300	12.21	34.836	26.42
350	11.08	34.776	26.59
400	9.86	34.712	26.75
450	9.18	34.684	26.84
500	8.56	34.654	26.92
550	8.02	34.634	26.98
600	7.44	34.613	27.05
650	7.09	34.605	27.09
700	6.63	34.593	27.15
750	6.12	34.583	27.21
800	5.78	34.571	27.24
850	5.48	34.568	27.28
900	5.18	34.571	27.31
950	4.84	34.571	27.35
1000	4.55	34.577	27.39

EPOCS EP1-86-OC CTD 102 OCEANOGRAPHER

Date 05 14 86 Latitude 4.532 N

Time 1155 Z Longitude 84.987 W

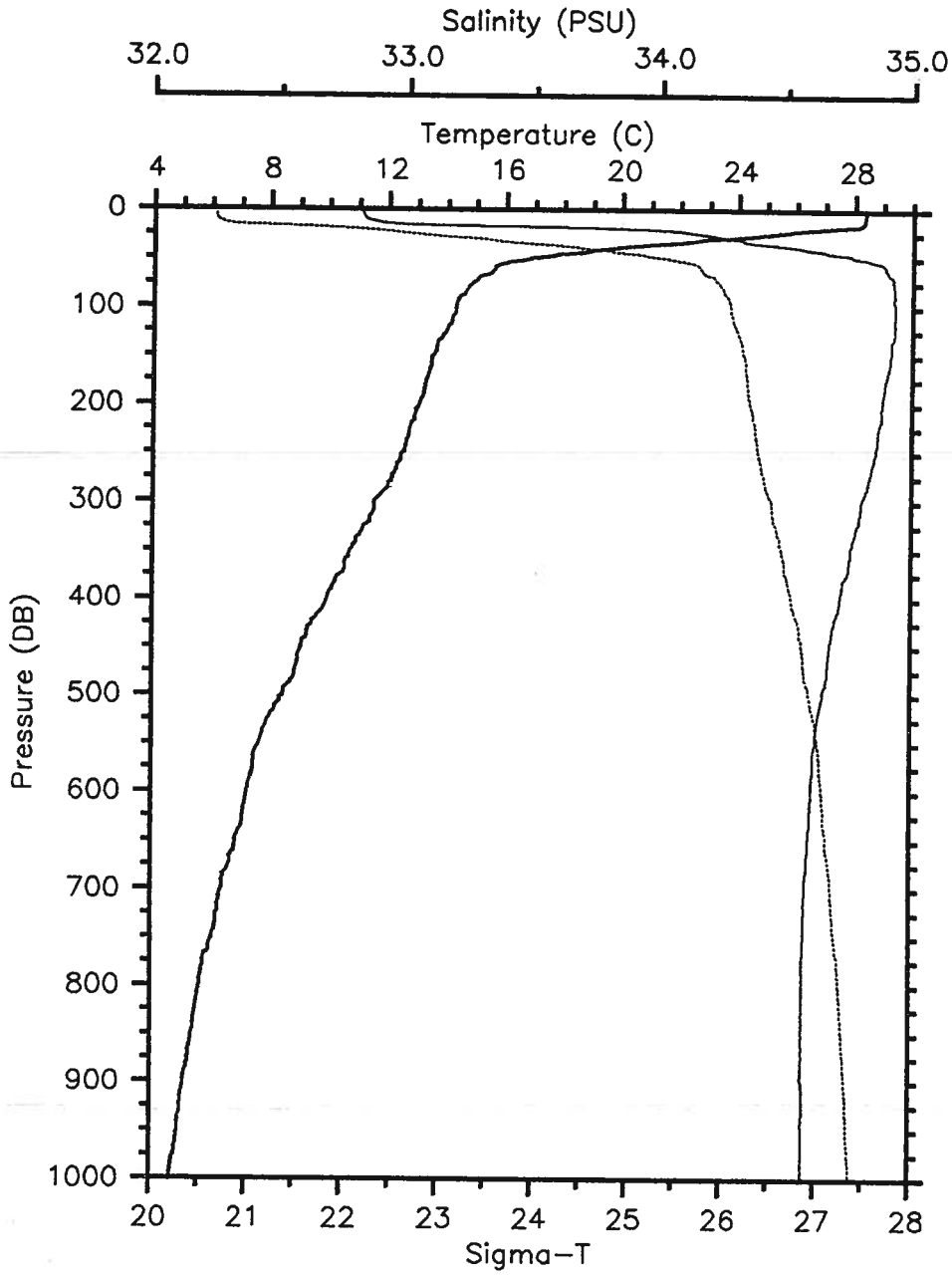


Prs	Tem	Sal	SigT
0	28.34	32.858	20.68
10	28.34	32.857	20.68
20	28.28	32.885	20.72
30	26.58	33.957	22.07
40	23.18	34.292	23.35
50	17.31	34.782	25.27
60	16.17	34.862	25.60
70	15.25	34.913	25.85
80	14.81	34.928	25.96
90	14.51	34.926	26.02
100	14.29	34.926	26.07
110	14.05	34.925	26.12
120	13.94	34.923	26.14
130	13.90	34.926	26.15
140	13.82	34.924	26.17
150	13.66	34.920	26.20
160	13.52	34.913	26.22
170	13.44	34.909	26.23
180	13.37	34.905	26.25
190	13.32	34.903	26.25
200	13.26	34.902	26.27
210	13.18	34.898	26.28
220	13.02	34.887	26.30
230	12.88	34.879	26.32
240	12.72	34.872	26.35
250	12.55	34.859	26.37
260	12.26	34.838	26.41
270	12.04	34.825	26.45
280	11.86	34.821	26.48
290	11.66	34.807	26.50
300	11.49	34.797	26.53
350	10.77	34.763	26.63
400	9.94	34.720	26.74
450	9.18	34.682	26.84
500	8.38	34.649	26.94
550	7.83	34.626	27.01
600	7.28	34.606	27.07
650	6.83	34.596	27.12
700	6.43	34.589	27.17
750	5.97	34.574	27.22
800	5.81	34.571	27.24
850	5.61	34.572	27.26
900	5.23	34.571	27.31
950	4.99	34.573	27.34
1000	4.74	34.578	27.37

EPOCS EP1-86-OC CTD 103 OCEANOGRAPHER

Date 05 14 86 Latitude 4.963 N

Time 1337 Z Longitude 84.977 W



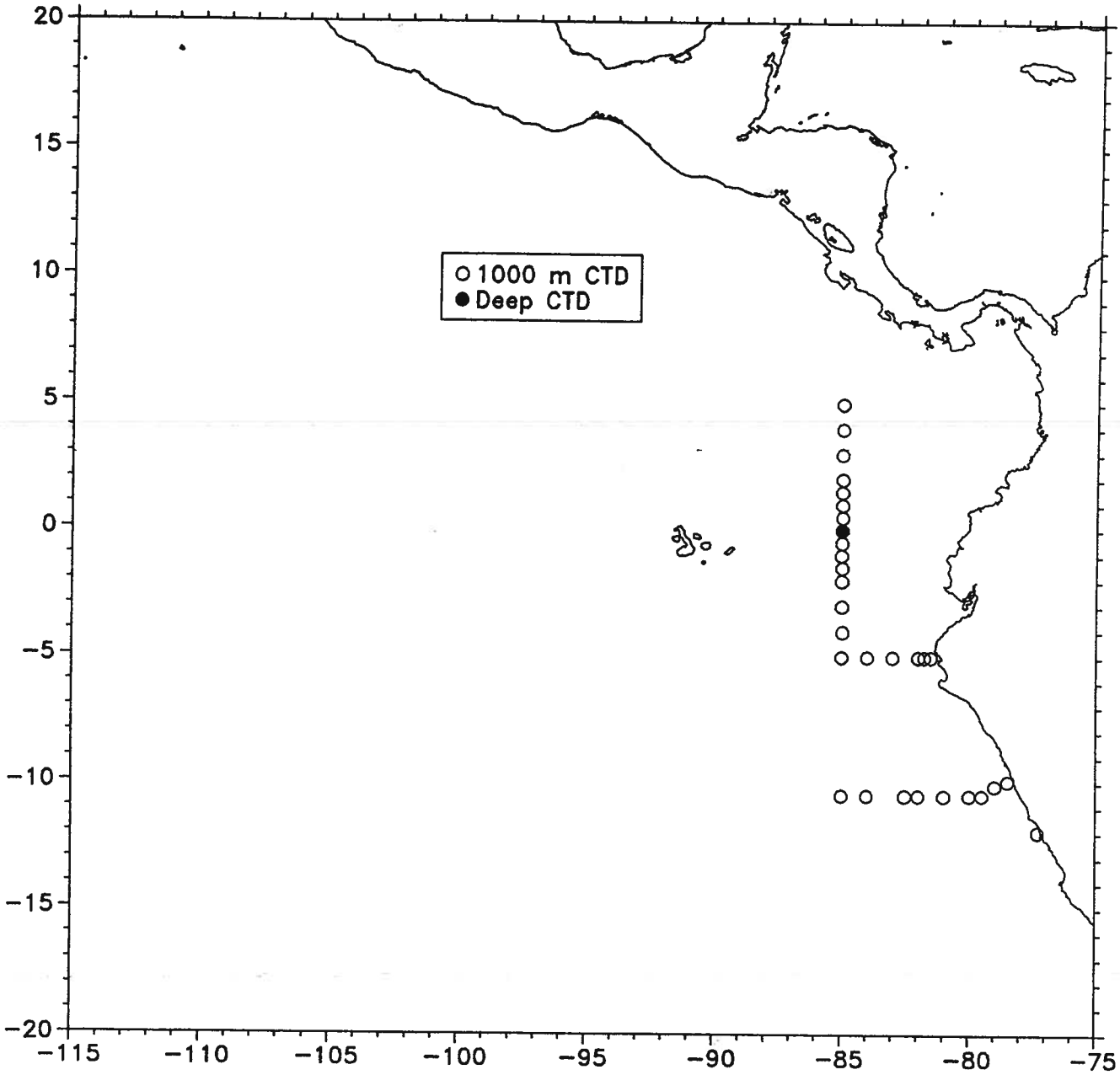
Prs	Tem	Sal	SigT
0	28.39	32.818	20.63
10	28.34	32.831	20.66
20	26.44	33.921	22.08
30	22.76	34.320	23.49
40	19.60	34.582	24.55
50	16.86	34.814	25.40
60	15.64	34.889	25.75
70	15.07	34.922	25.90
80	14.71	34.928	25.98
90	14.41	34.926	26.04
100	14.30	34.929	26.07
110	14.19	34.929	26.09
120	14.02	34.930	26.13
130	13.84	34.928	26.16
140	13.65	34.917	26.20
150	13.49	34.912	26.23
160	13.45	34.910	26.23
170	13.34	34.900	26.25
180	13.26	34.892	26.26
190	13.19	34.887	26.27
200	13.06	34.882	26.29
210	12.92	34.879	26.32
220	12.79	34.871	26.34
230	12.72	34.865	26.35
240	12.63	34.863	26.36
250	12.51	34.856	26.38
260	12.36	34.847	26.40
270	12.24	34.838	26.42
280	12.06	34.829	26.45
290	11.82	34.817	26.48
300	11.55	34.800	26.52
350	10.75	34.759	26.63
400	9.98	34.719	26.74
450	9.11	34.679	26.85
500	8.49	34.652	26.93
550	7.69	34.624	27.02
600	7.29	34.609	27.07
650	6.90	34.598	27.12
700	6.42	34.587	27.17
750	6.10	34.581	27.21
800	5.67	34.577	27.26
850	5.40	34.576	27.29
900	5.13	34.577	27.32
950	4.93	34.576	27.35
1000	4.68	34.578	27.38

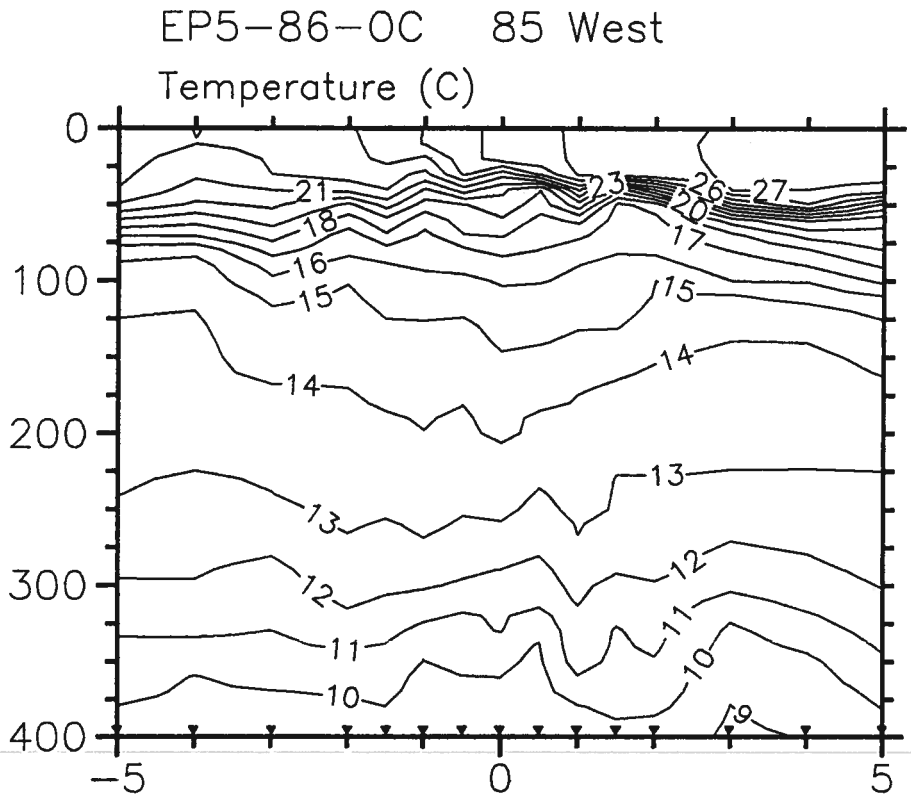
EP5-86-OC

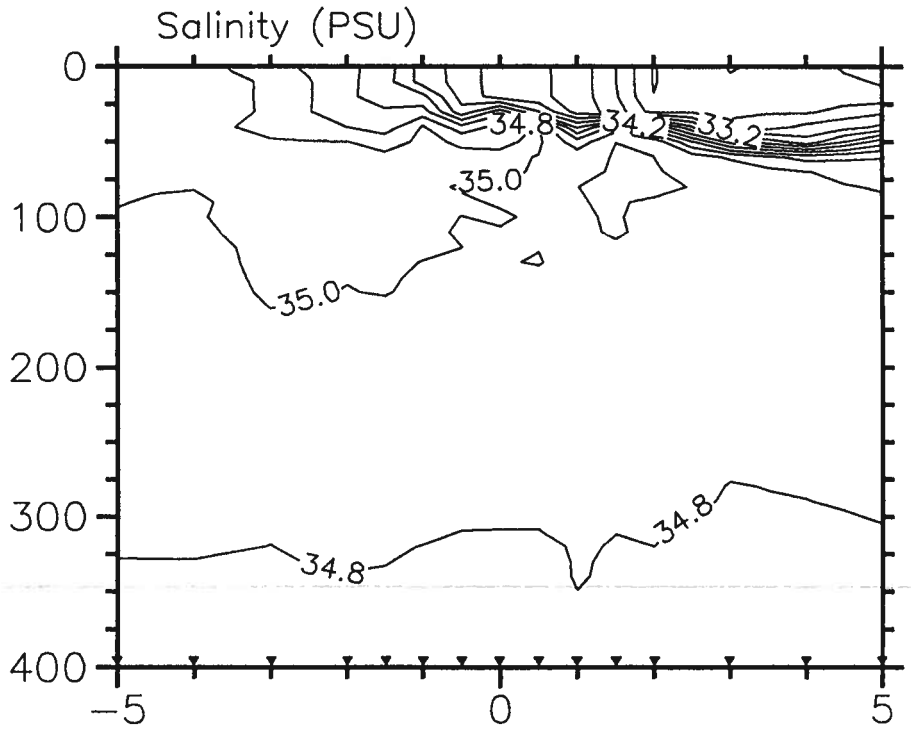
04 December 1986 - 22 December 1986

CTD STATIONS

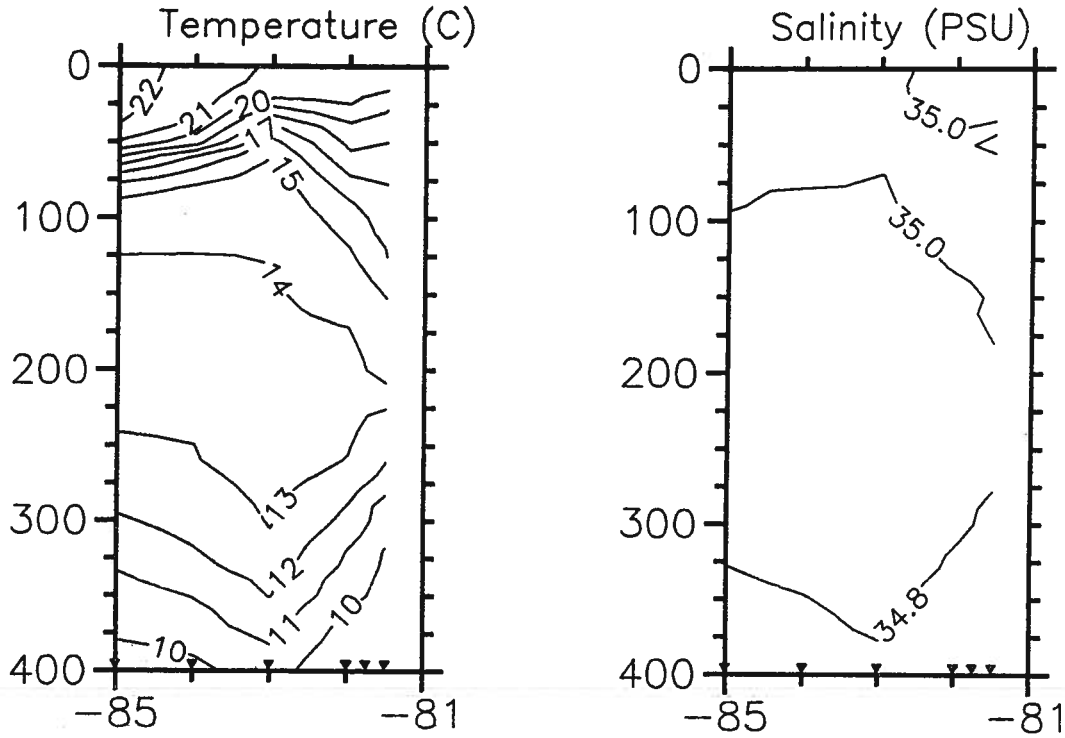
EP5-86-OC 04 Dec 86 - 22 Dec 86



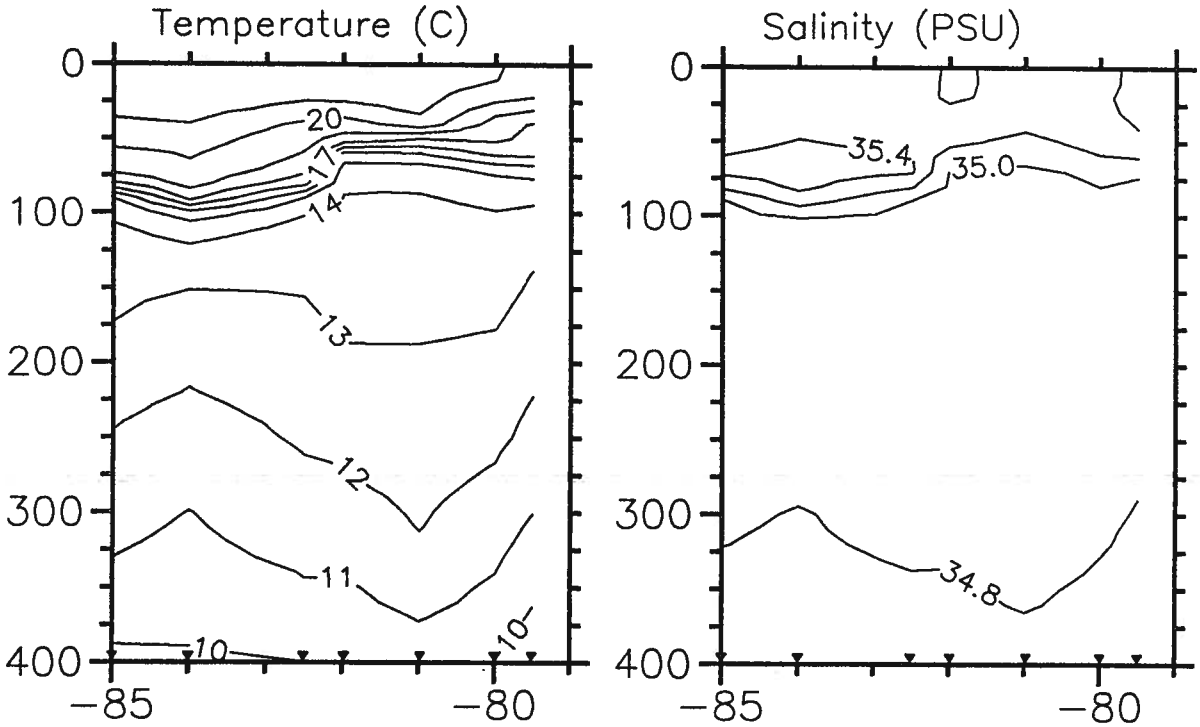

EP5-86-OC 85 West
Temperature (C)
0
100
200
300
400
-5
0
5
21
18
16
15
14
13
12
11
10
23
26
27
20
17
9

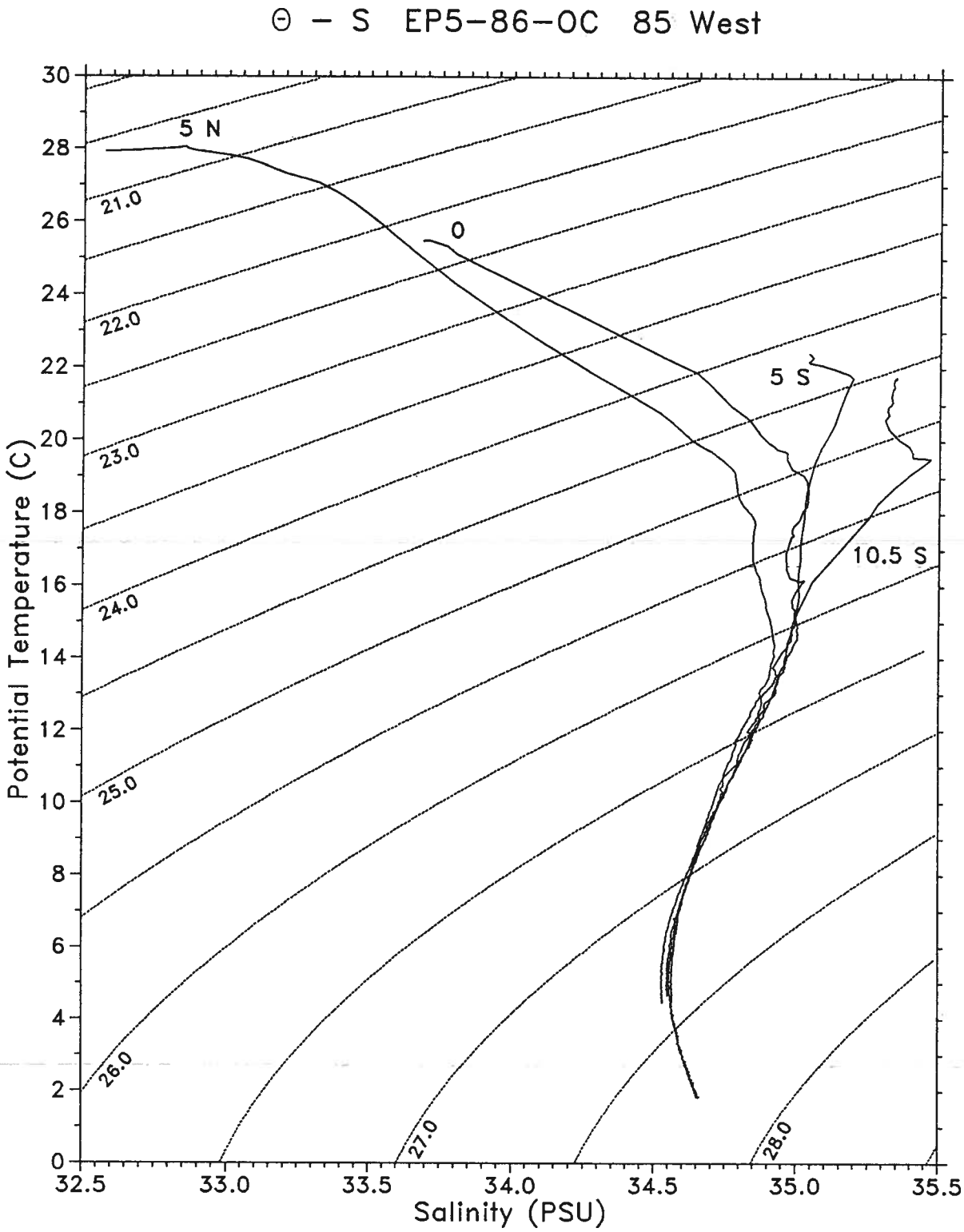

Salinity (PSU)
0
100
200
300
400
-5
0
5
34.8
34.2
33.2
35.0

EP5–86–OC 5 South



EP5–86–OC 10.5 South




Θ – S EP5-86-OC 85 West
5 N
0
5 S
10.5 S
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
Potential Temperature (C)
Salinity (PSU)
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
32.5
33.0
33.5
34.0
34.5
35.0
35.5

EP5-86-OC

DISSOLVED OXYGEN (ml/l) BOTTLE VALUES

CTD #	1	2	3	4	5	6	7	8	9	10
0	5 3.17	2 4.99	2 5.04	2 5.02	1 6.27	2 4.95	2 5.05	2 5.05		2 4.91
15	15 1.37	15 4.11	14 4.99	14 5.09	15 5.29	15 5.21				15 4.96
30	31 0.45	31 0.72	30 5.08	30 3.51	29 5.17	30 4.88				
50	50 0.72	50 0.93	50 0.69	49 4.49	50 4.65	49 4.36				
75		76 0.45	75 0.93	74 1.58	75 1.13	74 0.68				
100		101 0.47	99 0.44	103 0.46	100 0.44	101 0.67				
125		120 0.26	124 0.46	124 0.52	124 0.28	126 0.66				
150			138 0.44	149 0.48	149 0.45	149 0.48				
200				200 0.71	201 0.47	199 0.72				
250				249 0.25	249 0.47	250 0.49				
400				400 0.47	400 0.46	399 0.44	399 4.82	400 0.49	401 0.48	
1000				1012 1.11	1011 1.63	1015 1.38	1014 1.15	1014 1.15	1012 0.68	1010 1.17

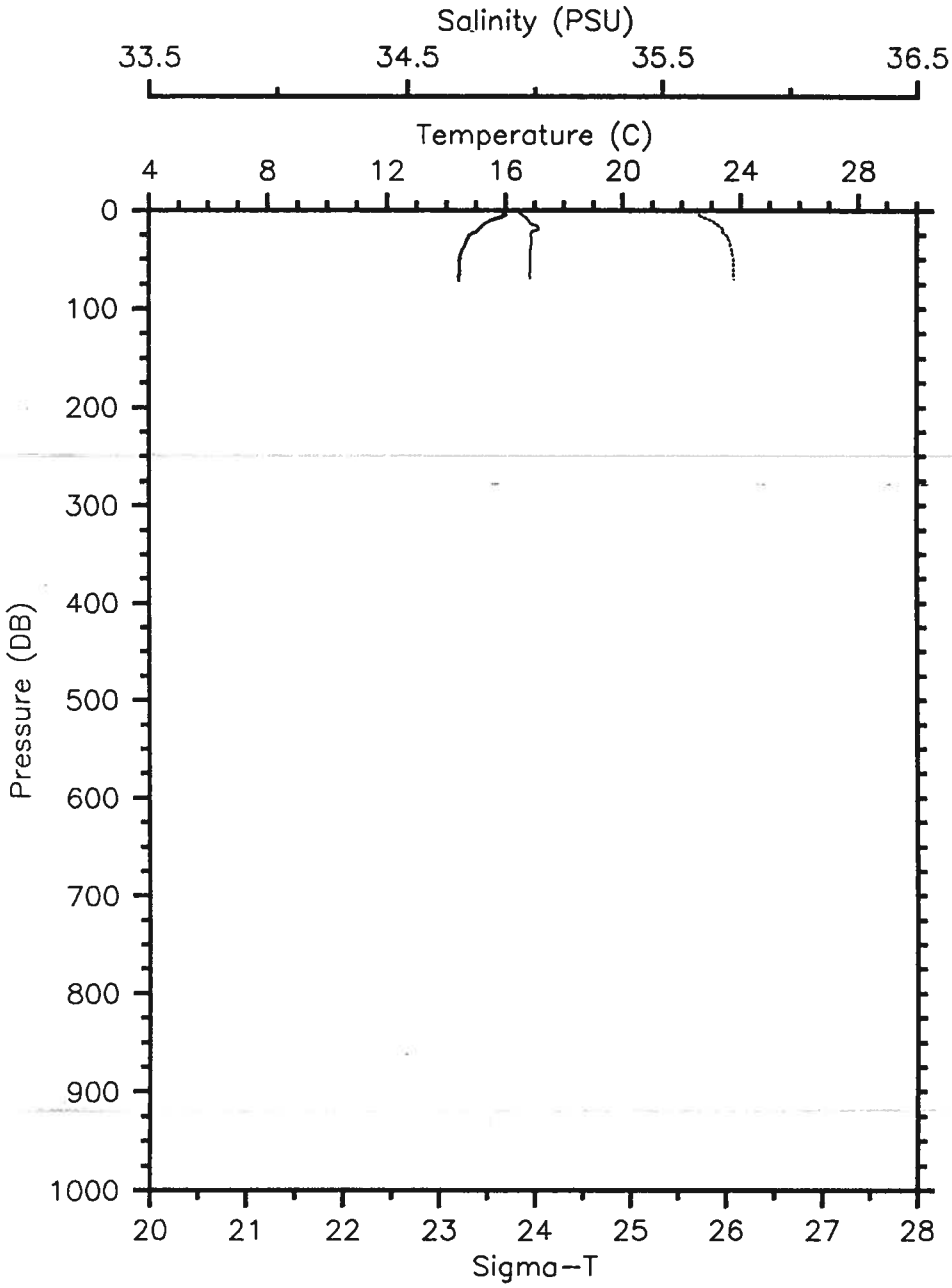
CTD #	11	12	13	14	15	16	17	18	19	21
0	1 4.96	2 5.08	2 5.30	2 4.91	2 5.23	2 4.65	1 4.54	2 5.04	3 4.76	2 4.55
15			15 4.97							
400		402 0.27		400 0.11	402 0.20	403 0.71	399 0.24	400 1.16	399 0.45	399 0.23
1000	1006 2.12	1024 1.04	1011 1.35	1012 1.31	1013 1.40	1011 1.32	1006 1.18	1022 1.44	1011 1.59	1013 1.55

CTD #	23	25	27	28	29	30
0	0 4.60	1 4.33	2 4.67	1 4.56	1 4.77	2 4.71
15		15 5.94		15 4.64		14 4.84
400	401 0.49		400 0.43		401 0.36	
1000		1006 2.17	1012 1.22	1012 1.36	998 1.13	1015 1.10
	3124 2.27					

EPOCS EP5-86-OC CTD 1 OCEANOGRAPHER

Date 12 04 86 Latitude 11.930 S

Time 2220 Z Longitude 77.288 W

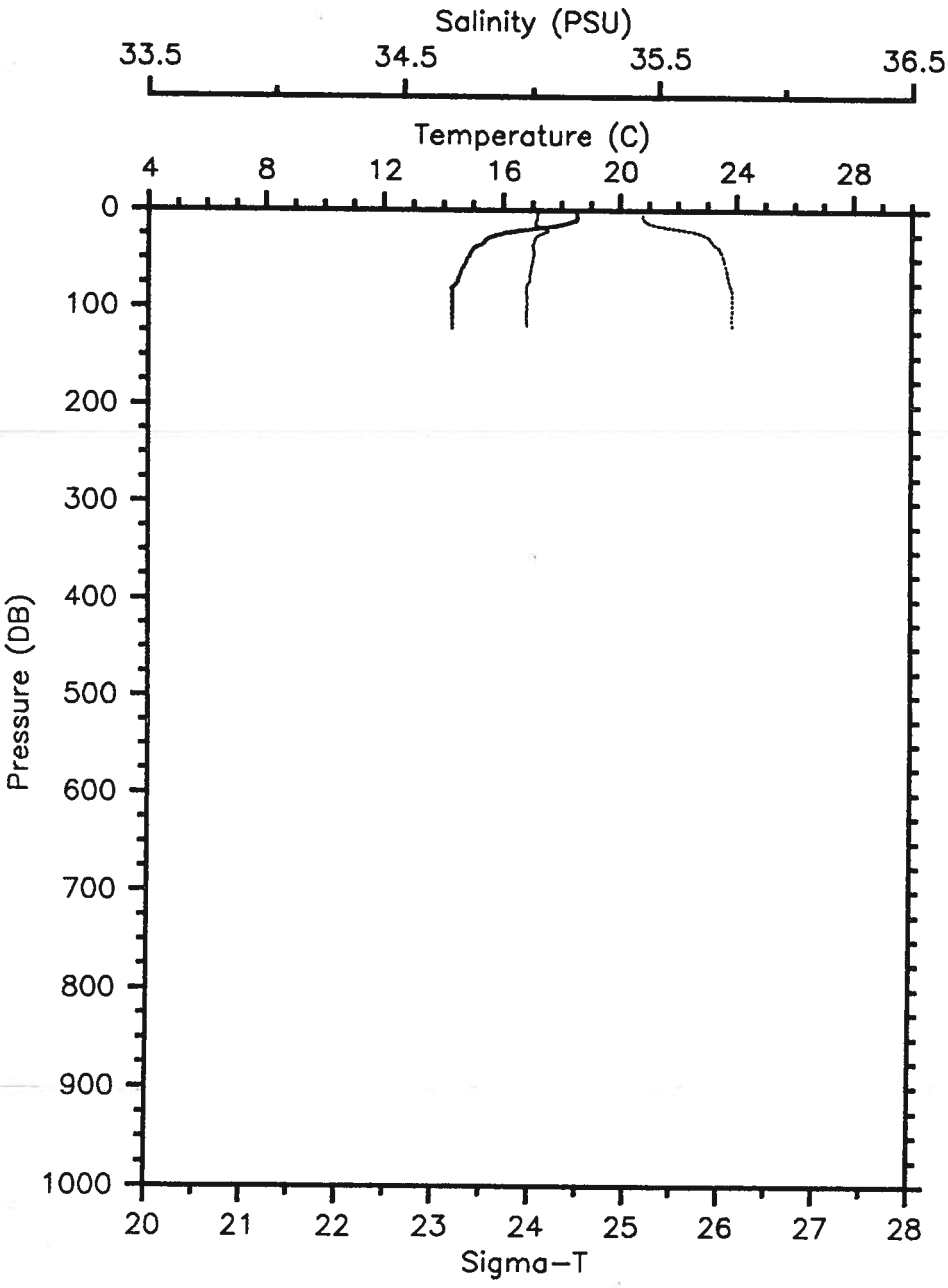


Prs	Tem	Sal	SigT
0	15.92	34.934	25.72
10	15.52	34.975	25.84
20	15.08	35.016	25.97
30	14.69	34.987	26.03
40	14.54	34.982	26.06
50	14.46	34.982	26.08
60	14.44	34.981	26.08
70	14.42	34.981	26.08

EPOCS EP5-86-OC CTD 2 OCEANOGRAPHER

Date 12 05 86 Latitude 9.925 S

Time 0830 Z Longitude 78.497 W

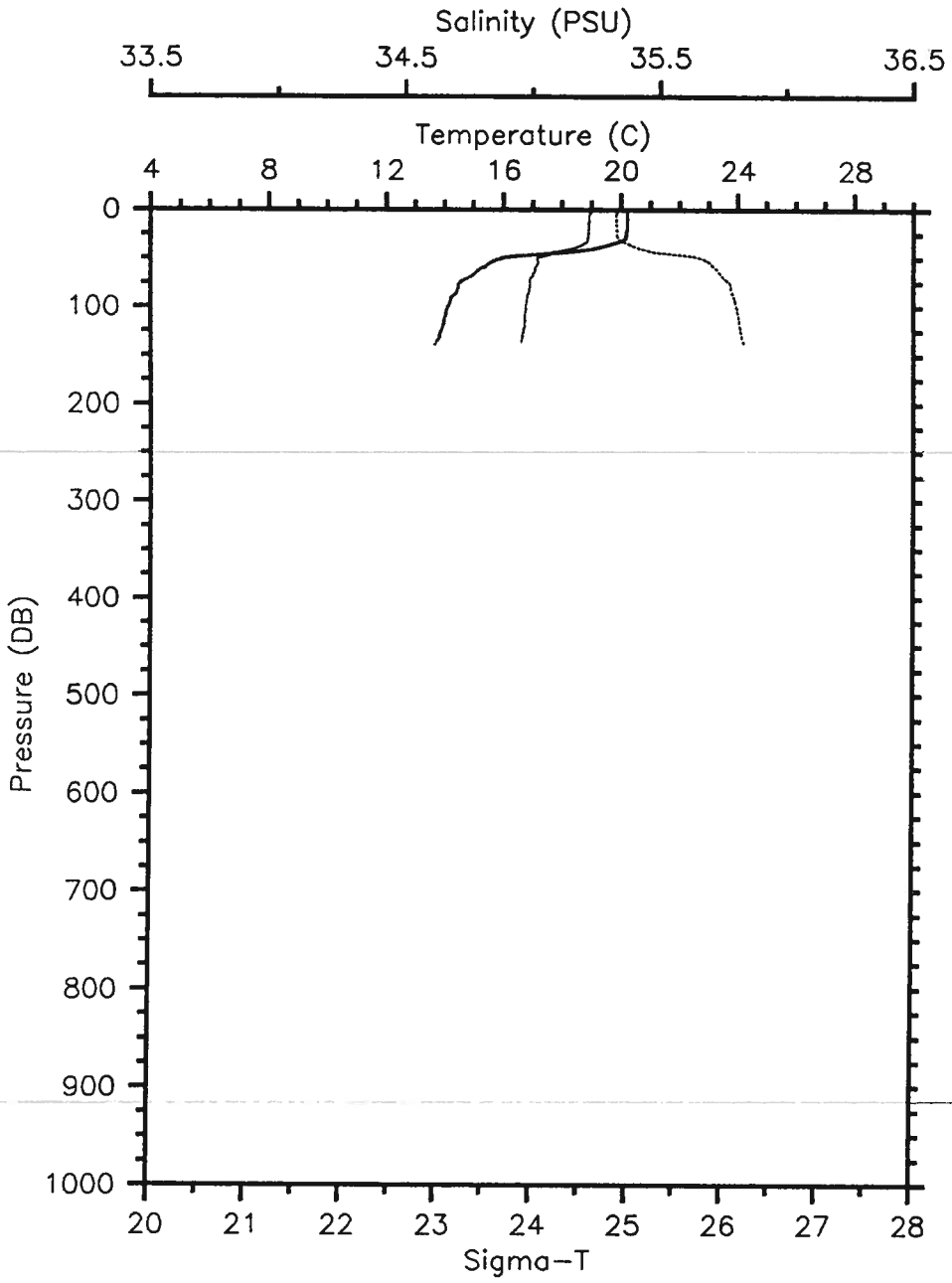


Prs	Tem	Sal	SigT
0	18.51	35.021	25.16
10	18.49	35.015	25.16
20	16.93	35.055	25.57
30	15.44	35.007	25.88
40	15.00	35.002	25.97
50	14.81	35.002	26.02
60	14.62	34.994	26.05
70	14.50	34.989	26.07
80	14.30	34.977	26.11
90	14.28	34.979	26.11
100	14.28	34.978	26.11
110	14.29	34.977	26.11
120	14.29	34.979	26.11

EPOCS EP5-86-OC CTD 3 OCEANOGRAPHER

Date 12 05 86 Latitude 10.122 S

Time 1107 Z Longitude 78.995 W

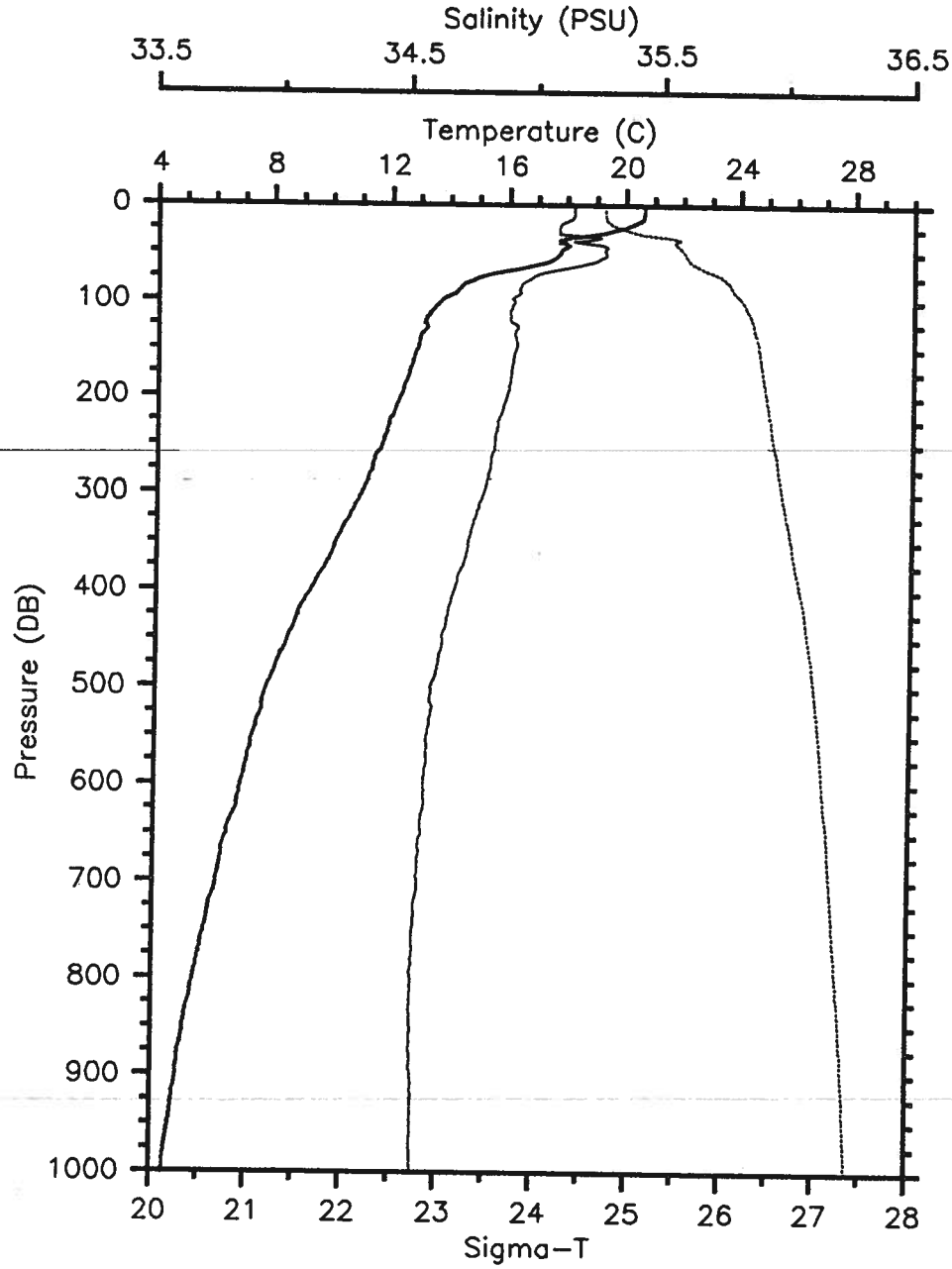


Prs	Tem	Sal	SigT
0	20.20	35.231	24.89
10	20.22	35.220	24.87
20	20.20	35.218	24.88
30	20.13	35.217	24.90
40	19.12	35.154	25.11
50	15.98	35.018	25.77
60	15.28	35.007	25.92
70	14.85	34.992	26.00
80	14.46	34.987	26.08
90	14.26	34.977	26.12
100	14.12	34.971	26.14
110	14.02	34.968	26.16
120	13.94	34.966	26.17
130	13.82	34.960	26.19

EPOCS EP5-86-OC CTD 4 OCEANOGRAPHER

Date 12 05 86 Latitude 10.503 S

Time 1423 Z Longitude 79.502 W

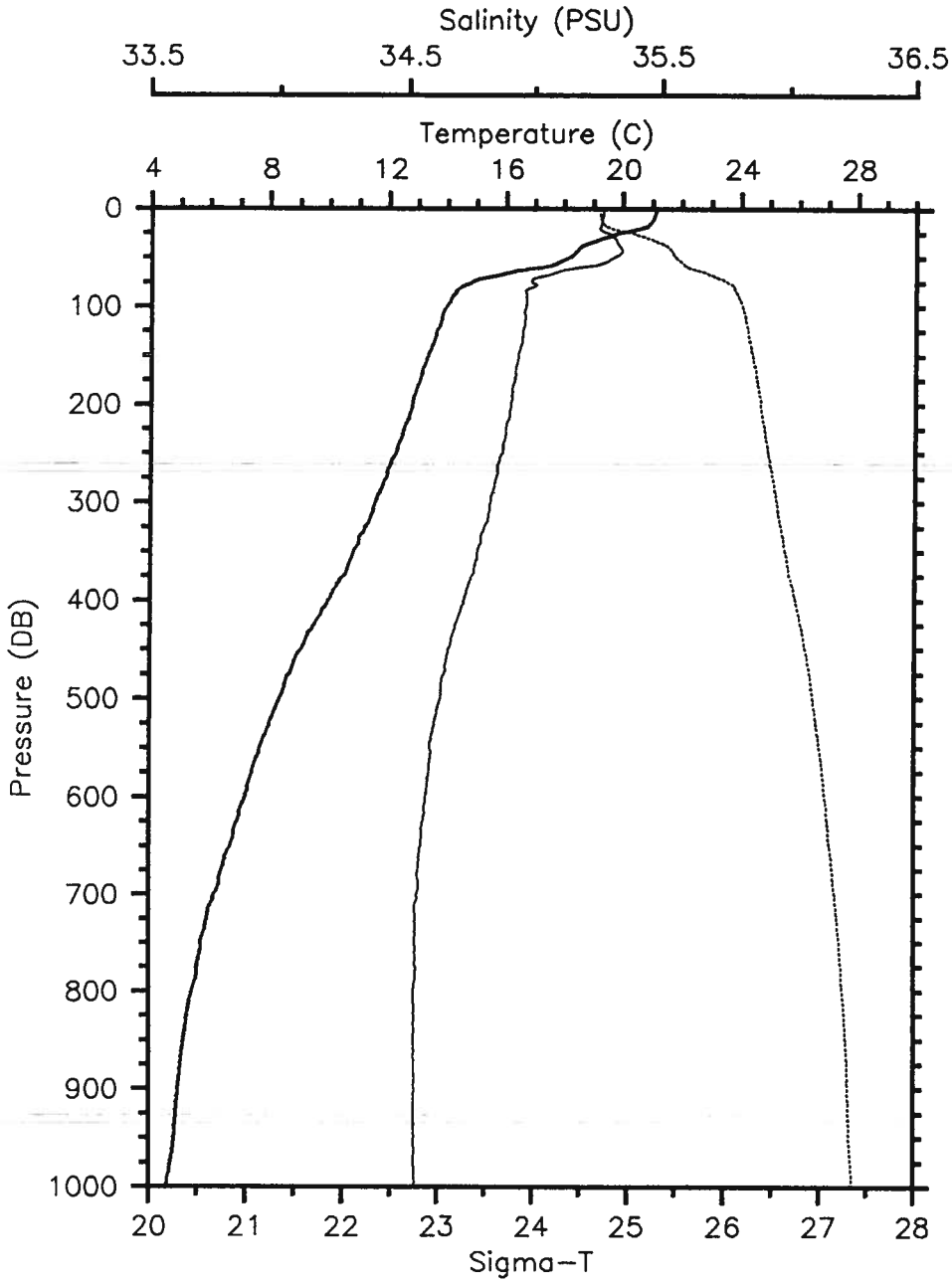


Prs	Tem	Sal	SigT
0	20.64	35.140	24.70
10	20.62	35.139	24.70
20	20.25	35.088	24.76
30	19.03	35.082	25.08
40	17.90	35.192	25.44
50	17.74	35.266	25.54
60	17.19	35.203	25.63
70	15.65	35.029	25.85
80	14.65	34.950	26.01
90	14.23	34.927	26.08
100	13.70	34.904	26.18
110	13.39	34.889	26.23
120	13.15	34.888	26.28
130	13.15	34.913	26.30
140	12.97	34.912	26.33
150	12.87	34.911	26.35
160	12.76	34.902	26.37
170	12.65	34.895	26.38
180	12.55	34.892	26.40
190	12.42	34.886	26.42
200	12.30	34.875	26.44
210	12.15	34.864	26.45
220	12.04	34.852	26.47
230	11.89	34.842	26.49
240	11.80	34.833	26.50
250	11.69	34.832	26.52
260	11.49	34.819	26.54
270	11.39	34.815	26.56
280	11.29	34.806	26.57
290	11.16	34.799	26.59
300	11.01	34.790	26.61
350	10.15	34.730	26.72
400	9.32	34.678	26.82
450	8.55	34.633	26.90
500	7.83	34.589	26.98
550	7.38	34.577	27.03
600	7.00	34.568	27.08
650	6.53	34.560	27.14
700	6.18	34.549	27.17
750	5.79	34.531	27.21
800	5.43	34.528	27.25
850	5.09	34.527	27.29
900	4.87	34.531	27.32
950	4.63	34.533	27.35
1000	4.42	34.534	27.37

EPOCS EP5-86-OC CTD 5 OCEANOGRAPHER

Date 12 05 86 Latitude 10.503 S

Time 1743 Z Longitude 79.997 W

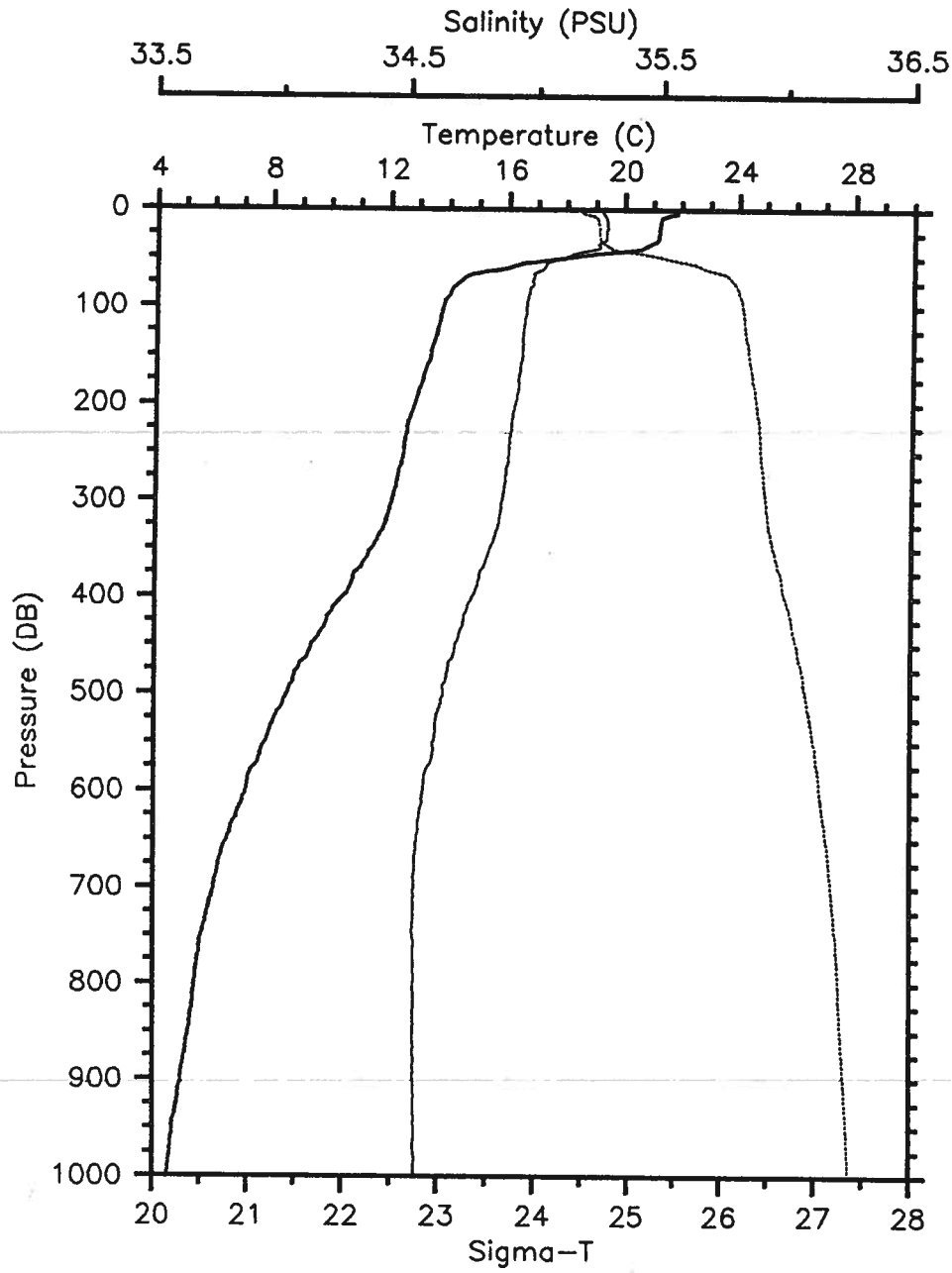


Prs	Tem	Sal	SigT
0	21.11	35.268	24.67
10	21.02	35.265	24.69
20	20.65	35.254	24.78
30	19.33	35.316	25.18
40	18.53	35.339	25.40
50	18.17	35.313	25.47
60	17.18	35.176	25.61
70	15.41	35.016	25.89
80	14.50	34.999	26.08
90	14.17	34.965	26.13
100	13.96	34.964	26.17
110	13.81	34.961	26.20
120	13.71	34.957	26.21
130	13.60	34.951	26.23
140	13.47	34.943	26.26
150	13.32	34.934	26.28
160	13.20	34.927	26.30
170	13.10	34.923	26.31
180	12.97	34.913	26.33
190	12.86	34.909	26.35
200	12.78	34.906	26.36
210	12.69	34.900	26.38
220	12.56	34.889	26.39
230	12.46	34.885	26.41
240	12.33	34.875	26.43
250	12.25	34.872	26.44
260	12.08	34.859	26.46
270	11.96	34.854	26.48
280	11.82	34.845	26.50
290	11.69	34.835	26.52
300	11.56	34.827	26.54
350	10.83	34.776	26.63
400	9.98	34.724	26.74
450	9.07	34.663	26.84
500	8.36	34.631	26.93
550	7.71	34.592	27.00
600	7.22	34.577	27.05
650	6.74	34.557	27.11
700	6.18	34.540	27.17
750	5.75	34.533	27.22
800	5.45	34.528	27.25
850	5.17	34.528	27.28
900	4.98	34.532	27.31
950	4.85	34.531	27.32
1000	4.59	34.532	27.35

EPOCS EP5-86-OC CTD 6 OCEANOGRAPHER

Date 12 05 86 Latitude 10.510 S

Time 2257 Z Longitude 80.983 W

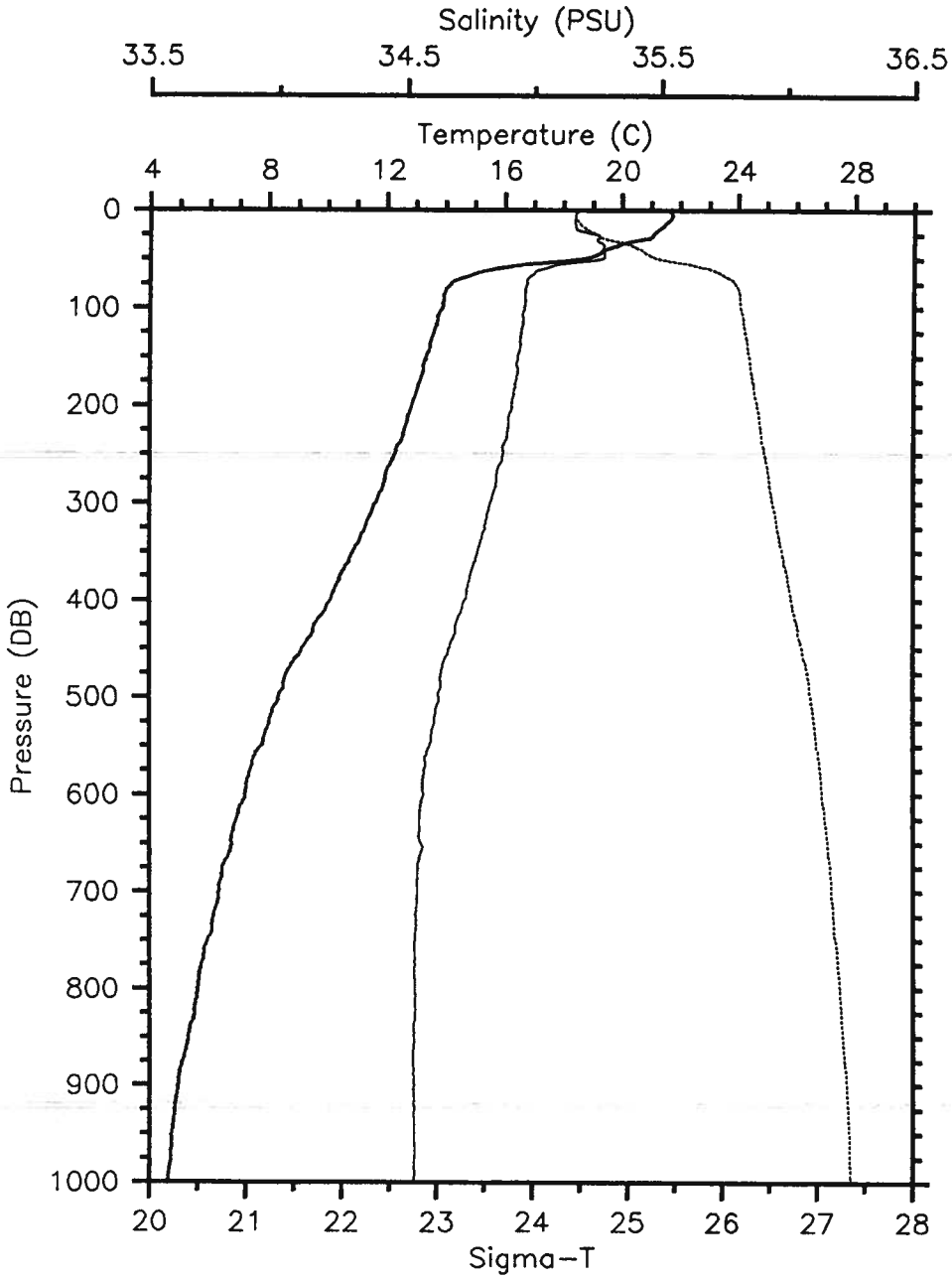


Prs	Tem	Sal	SigT
0	21.83	35.257	24.46
10	21.27	35.273	24.63
20	21.21	35.277	24.65
30	21.17	35.272	24.66
40	20.62	35.242	24.78
50	17.99	35.102	25.35
60	15.96	35.026	25.78
70	14.54	34.982	26.06
80	14.15	34.973	26.14
90	13.93	34.961	26.17
100	13.79	34.955	26.20
110	13.71	34.951	26.21
120	13.64	34.946	26.22
130	13.57	34.942	26.23
140	13.45	34.942	26.26
150	13.40	34.941	26.27
160	13.27	34.934	26.29
170	13.18	34.930	26.30
180	13.09	34.929	26.32
190	12.97	34.922	26.34
200	12.86	34.913	26.35
210	12.76	34.906	26.37
220	12.64	34.900	26.39
230	12.60	34.897	26.39
240	12.53	34.893	26.40
250	12.50	34.891	26.41
260	12.44	34.887	26.42
270	12.33	34.881	26.43
280	12.27	34.877	26.44
290	12.18	34.871	26.45
300	12.10	34.866	26.47
350	11.44	34.819	26.55
400	10.49	34.752	26.67
450	9.43	34.687	26.80
500	8.60	34.642	26.90
550	7.85	34.605	26.99
600	7.19	34.566	27.05
650	6.55	34.543	27.12
700	6.09	34.532	27.17
750	5.66	34.528	27.22
800	5.43	34.531	27.25
850	5.22	34.531	27.28
900	4.96	34.532	27.31
950	4.68	34.534	27.34
1000	4.51	34.537	27.36

EPOCS EP5-86-OC CTD 7 OCEANOGRAPHER

Date 12 06 86 Latitude 10.507 S

Time 0406 Z Longitude 81.987 W

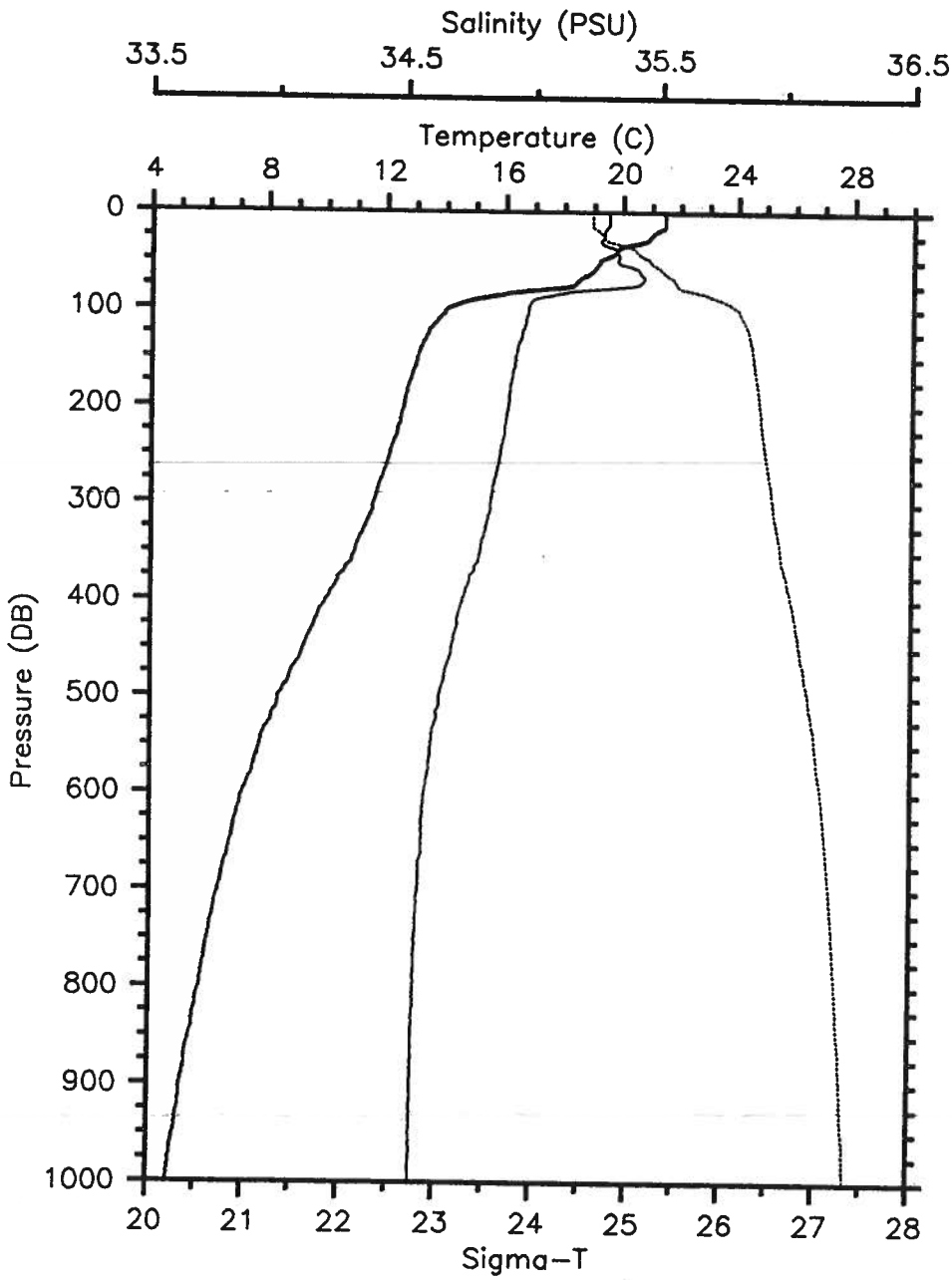


Prs	Tem	Sal	SigT
0	21.69	35.167	24.43
10	21.64	35.158	24.44
20	21.27	35.165	24.55
30	20.70	35.246	24.76
40	19.46	35.272	25.11
50	18.68	35.269	25.31
60	15.65	35.033	25.85
70	14.49	34.975	26.06
80	14.05	34.968	26.15
90	13.93	34.967	26.18
100	13.89	34.964	26.18
110	13.74	34.959	26.21
120	13.65	34.955	26.23
130	13.53	34.949	26.25
140	13.47	34.948	26.26
150	13.35	34.939	26.27
160	13.26	34.936	26.29
170	13.19	34.935	26.30
180	13.07	34.929	26.32
190	12.98	34.922	26.34
200	12.84	34.916	26.36
210	12.72	34.903	26.38
220	12.63	34.901	26.39
230	12.55	34.895	26.40
240	12.41	34.882	26.42
250	12.29	34.881	26.44
260	12.14	34.868	26.46
270	11.99	34.856	26.48
280	11.91	34.853	26.49
290	11.77	34.842	26.51
300	11.64	34.833	26.53
350	10.87	34.783	26.63
400	10.09	34.730	26.73
450	9.15	34.671	26.84
500	8.35	34.632	26.93
550	7.78	34.594	26.99
600	7.23	34.570	27.05
650	6.75	34.564	27.11
700	6.33	34.548	27.15
750	5.94	34.537	27.19
800	5.62	34.537	27.23
850	5.31	34.534	27.27
900	4.97	34.534	27.31
950	4.74	34.536	27.34
1000	4.61	34.537	27.35

EPOCS EP5-86-OC CTD 8 OCEANOGRAPHER

Date 12 06 86 Latitude 10.510 S

Time 0918 Z Longitude 82.510 W

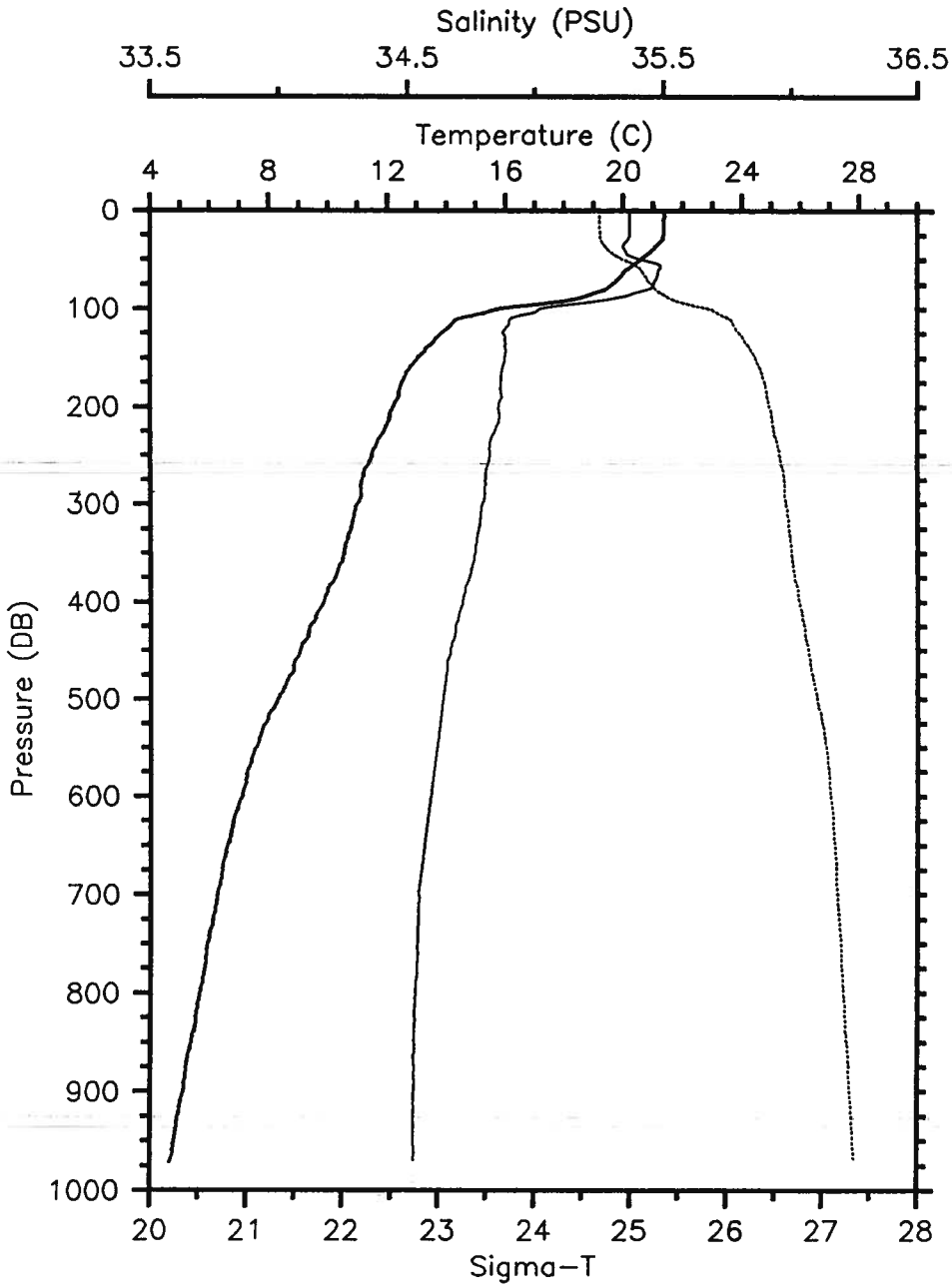


Prs	Tem	Sal	SigT
0	21.43	35.289	24.60
10	21.44	35.290	24.60
20	21.17	35.272	24.66
30	20.76	35.257	24.76
40	19.79	35.320	25.06
50	19.25	35.324	25.21
60	18.99	35.412	25.34
70	18.50	35.427	25.48
80	17.31	35.220	25.61
90	14.95	34.993	25.98
100	14.04	34.974	26.16
110	13.77	34.968	26.21
120	13.48	34.956	26.26
130	13.32	34.946	26.29
140	13.16	34.933	26.31
150	13.04	34.926	26.33
160	12.96	34.921	26.34
170	12.83	34.913	26.36
180	12.73	34.906	26.38
190	12.64	34.902	26.39
200	12.59	34.899	26.40
210	12.50	34.893	26.41
220	12.43	34.886	26.42
230	12.36	34.883	26.43
240	12.23	34.874	26.45
250	12.14	34.869	26.46
260	12.02	34.860	26.48
270	11.90	34.852	26.49
280	11.76	34.842	26.51
290	11.67	34.837	26.53
300	11.56	34.831	26.54
350	10.94	34.791	26.62
400	9.98	34.722	26.74
450	9.23	34.681	26.83
500	8.40	34.633	26.93
550	7.77	34.603	27.00
600	7.17	34.578	27.06
650	6.76	34.567	27.11
700	6.36	34.556	27.16
750	6.01	34.544	27.19
800	5.73	34.540	27.22
850	5.41	34.536	27.26
900	5.11	34.533	27.29
950	4.89	34.531	27.32
1000	4.67	34.531	27.34

EPOCS EP5-86-OC CTD 9 OCEANOGRAPHER

Date 12 06 86 Latitude 10.500 S

Time 1426 Z Longitude 84.000 W

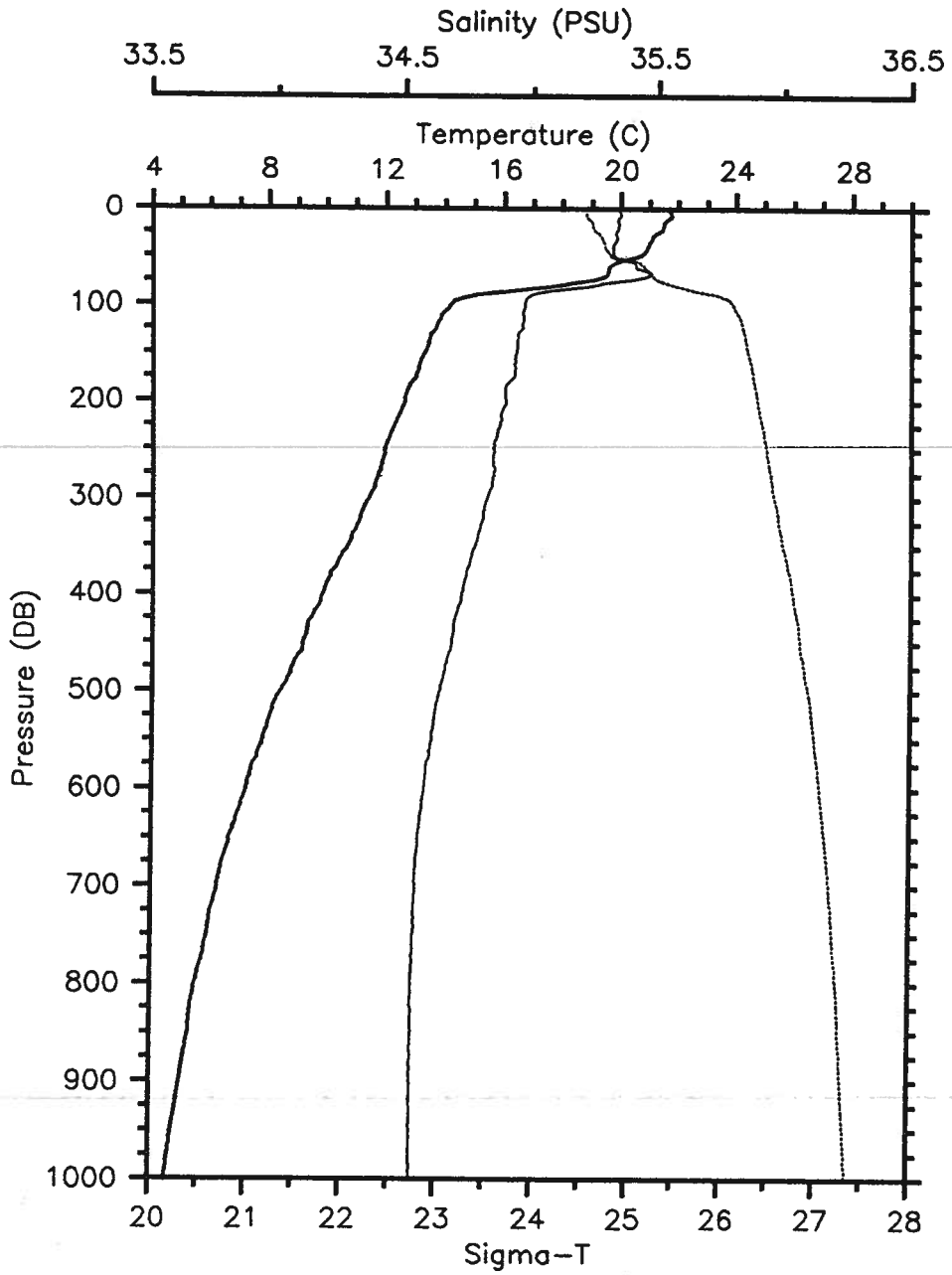


Prs	Tem	Sal	SigT
0	21.37	35.370	24.68
10	21.36	35.372	24.68
20	21.36	35.371	24.68
30	21.29	35.362	24.69
40	20.98	35.352	24.77
50	20.58	35.411	24.92
60	20.11	35.483	25.10
70	19.82	35.472	25.17
80	19.43	35.446	25.25
90	18.30	35.294	25.42
100	15.76	35.017	25.82
110	14.44	34.907	26.02
120	14.03	34.885	26.09
130	13.65	34.884	26.17
140	13.33	34.886	26.24
150	13.03	34.883	26.30
160	12.77	34.874	26.34
170	12.56	34.868	26.38
180	12.41	34.866	26.41
190	12.35	34.871	26.42
200	12.19	34.859	26.44
210	12.08	34.862	26.47
220	11.96	34.850	26.48
230	11.78	34.833	26.50
240	11.62	34.824	26.52
250	11.49	34.824	26.55
260	11.35	34.814	26.57
270	11.21	34.808	26.59
280	11.13	34.806	26.60
290	11.11	34.804	26.60
300	10.98	34.793	26.62
350	10.54	34.766	26.68
400	9.85	34.719	26.76
450	9.05	34.670	26.85
500	8.31	34.641	26.95
550	7.55	34.617	27.04
600	7.09	34.593	27.09
650	6.61	34.568	27.13
700	6.27	34.546	27.16
750	5.93	34.542	27.20
800	5.67	34.534	27.23
850	5.38	34.529	27.26
900	5.11	34.528	27.29
950	4.79	34.528	27.32

EPOCS EP5-86-OC CTD 10 OCEANOGRAPHER

Date 12 06 86 Latitude 10.503 S

Time 1938 Z Longitude 84.998 W

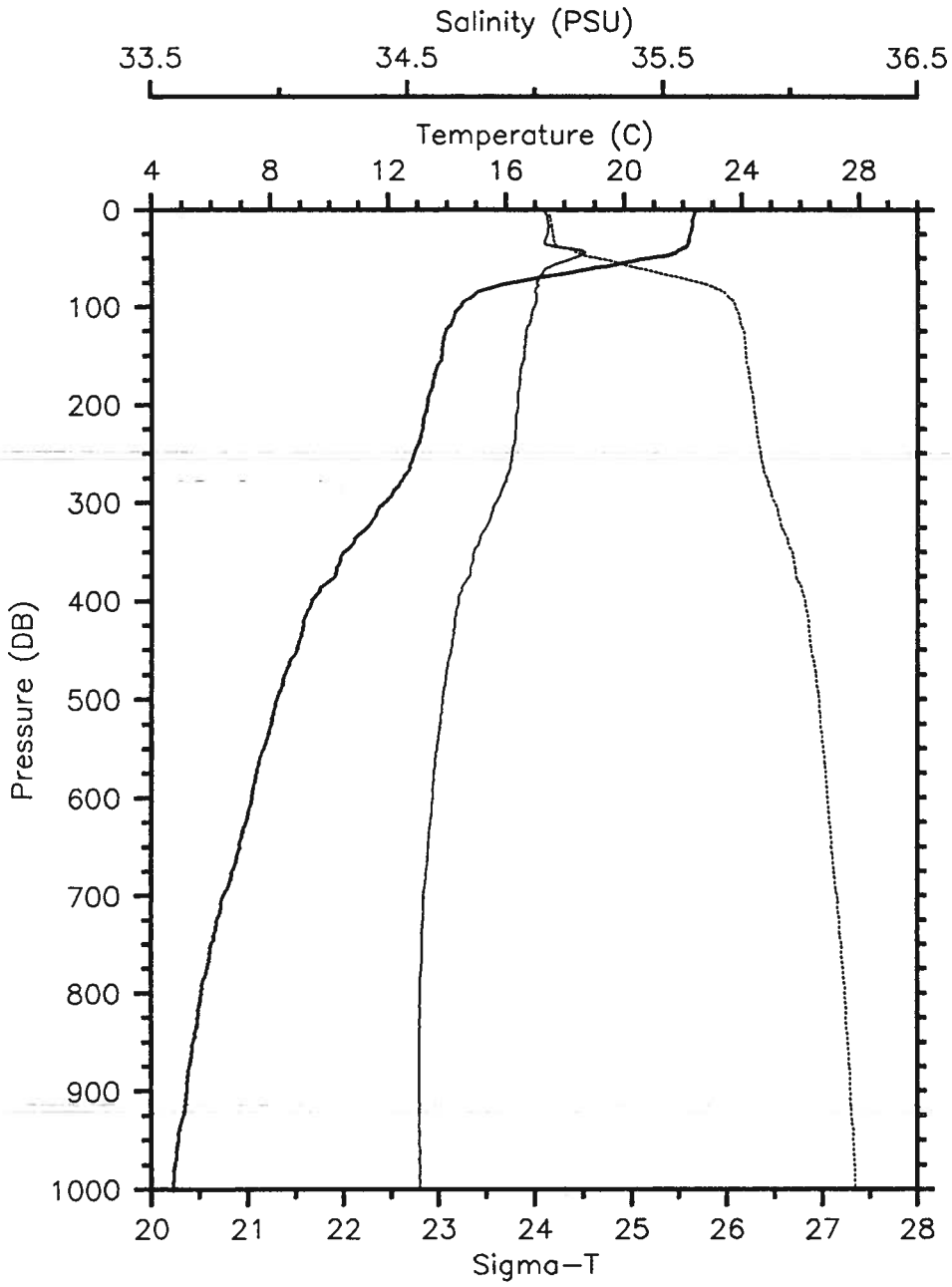


Prs	Tem	Sal	SigT
0	21.70	35.339	24.56
10	21.69	35.335	24.56
20	21.47	35.335	24.62
30	21.10	35.330	24.72
40	20.93	35.313	24.75
50	20.60	35.305	24.83
60	19.62	35.405	25.17
70	19.48	35.460	25.25
80	17.90	35.249	25.49
90	15.03	34.987	25.96
100	14.18	34.965	26.12
110	13.90	34.958	26.18
120	13.71	34.954	26.21
130	13.53	34.940	26.24
140	13.42	34.937	26.26
150	13.30	34.931	26.28
160	13.16	34.929	26.31
170	13.04	34.926	26.33
180	12.88	34.903	26.34
190	12.71	34.889	26.37
200	12.63	34.891	26.38
210	12.50	34.875	26.40
220	12.36	34.872	26.42
230	12.20	34.859	26.44
240	12.06	34.849	26.46
250	11.95	34.843	26.48
260	11.87	34.840	26.49
270	11.81	34.848	26.51
280	11.67	34.839	26.53
290	11.58	34.833	26.54
300	11.40	34.817	26.56
350	10.69	34.770	26.65
400	9.82	34.717	26.76
450	9.17	34.679	26.84
500	8.42	34.634	26.92
550	7.80	34.603	26.99
600	7.24	34.577	27.05
650	6.69	34.554	27.11
700	6.27	34.542	27.16
750	5.93	34.536	27.19
800	5.53	34.529	27.24
850	5.32	34.530	27.27
900	5.04	34.528	27.30
950	4.77	34.530	27.33
1000	4.56	34.530	27.35

EPOCS EP5–86–OC CTD 11 OCEANOGRAPHER

Date 12 07 86 Latitude 5.003 S

Time 1812 Z Longitude 85.005 W

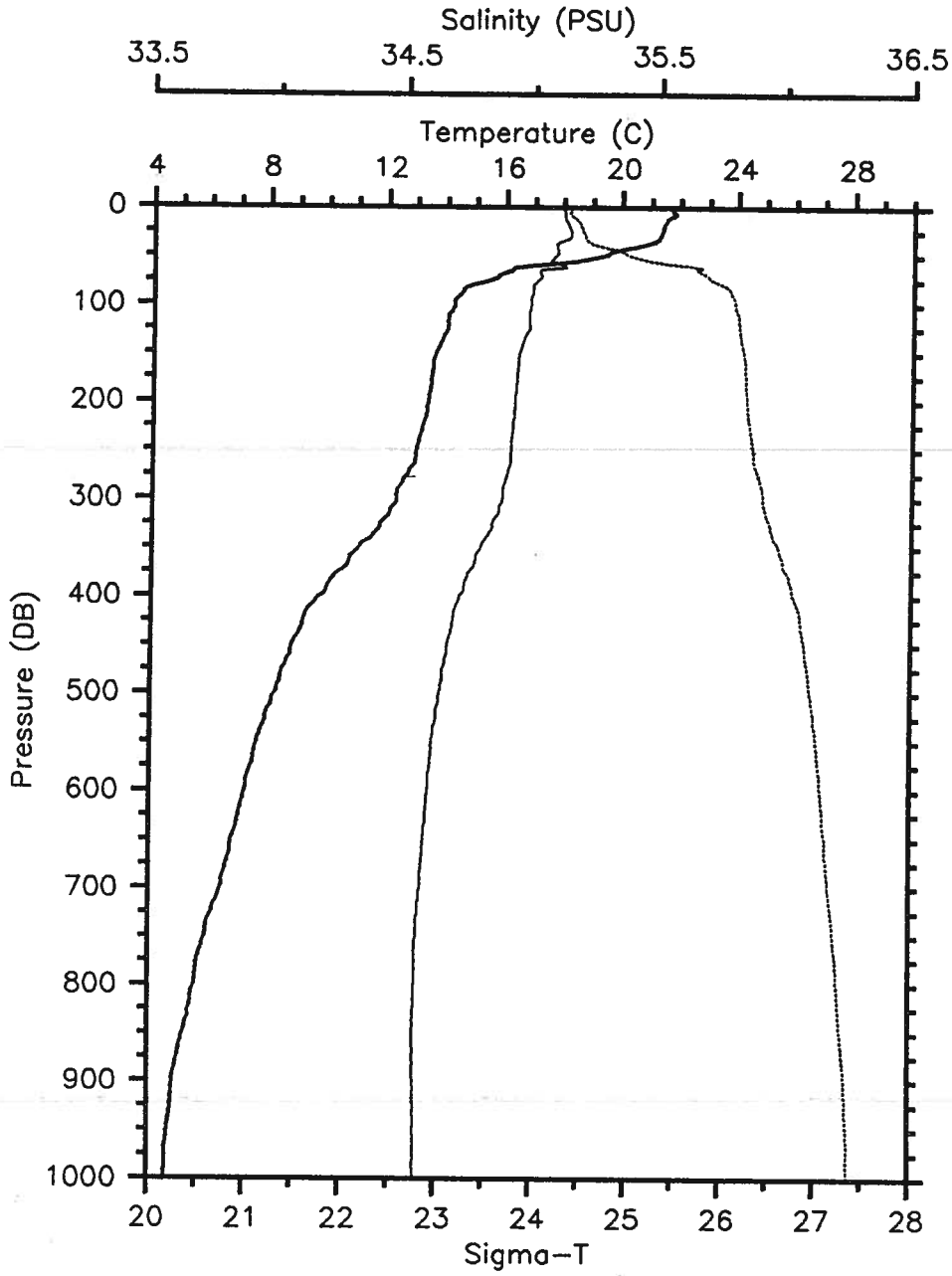


Prs	Tem	Sal	SigT
0	22.40	35.038	24.13
10	22.33	35.048	24.16
20	22.30	35.049	24.17
30	22.20	35.038	24.19
40	21.97	35.137	24.33
50	20.92	35.147	24.63
60	18.96	35.044	25.07
70	17.11	35.012	25.50
80	15.57	35.006	25.85
90	14.83	35.002	26.01
100	14.46	34.994	26.09
110	14.25	34.983	26.12
120	14.08	34.968	26.15
130	13.90	34.961	26.18
140	13.85	34.958	26.19
150	13.82	34.956	26.19
160	13.68	34.944	26.21
170	13.58	34.939	26.23
180	13.51	34.937	26.24
190	13.38	34.932	26.26
200	13.33	34.931	26.27
210	13.23	34.925	26.29
220	13.18	34.925	26.30
230	13.11	34.921	26.31
240	13.02	34.916	26.32
250	12.88	34.908	26.35
260	12.76	34.901	26.36
270	12.62	34.893	26.39
280	12.38	34.879	26.42
290	12.14	34.864	26.46
300	11.88	34.845	26.49
350	10.49	34.758	26.68
400	9.41	34.699	26.82
450	8.90	34.671	26.88
500	8.22	34.636	26.96
550	7.77	34.616	27.01
600	7.37	34.600	27.05
650	6.95	34.583	27.10
700	6.41	34.562	27.15
750	6.02	34.558	27.20
800	5.68	34.551	27.24
850	5.40	34.548	27.27
900	5.19	34.548	27.29
950	4.91	34.548	27.33
1000	4.74	34.550	27.35

EPOCS EP5-86-OC CTD 12 OCEANOGRAPHER

Date 12 07 86 Latitude 4.997 S

Time 2353 Z Longitude 83.997 W

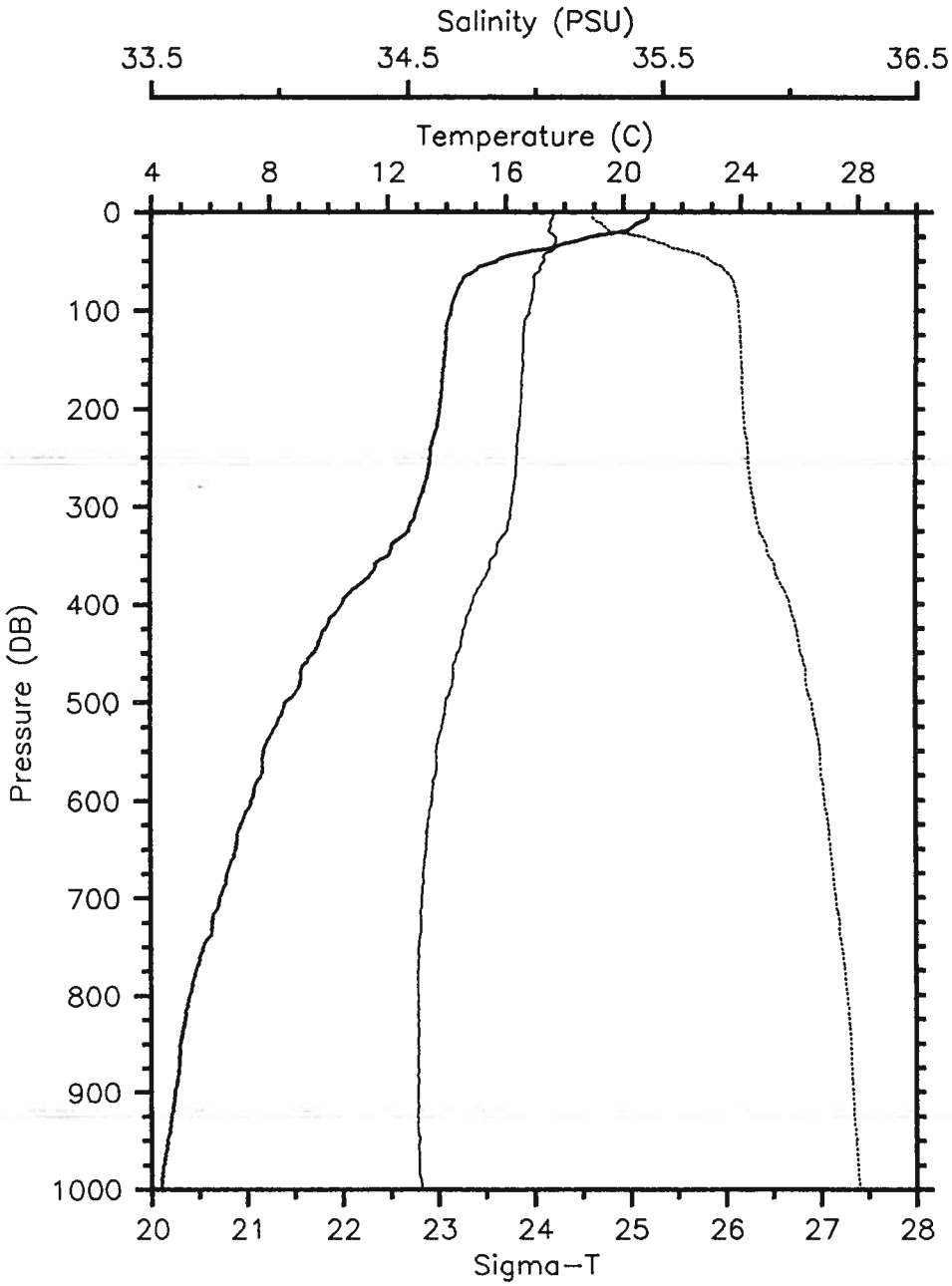


Prs	Tem	Sal	SigT
0	21.71	35.114	24.39
10	21.67	35.116	24.40
20	21.41	35.132	24.48
30	21.28	35.140	24.53
40	20.52	35.086	24.69
50	19.37	35.081	24.99
60	16.80	35.114	25.65
70	15.77	35.025	25.82
80	14.85	34.993	26.00
90	14.43	34.988	26.09
100	14.25	34.984	26.12
110	14.08	34.977	26.15
120	14.03	34.978	26.16
130	13.95	34.968	26.17
140	13.79	34.951	26.19
150	13.64	34.940	26.22
160	13.55	34.937	26.23
170	13.52	34.932	26.23
180	13.48	34.931	26.24
190	13.44	34.927	26.25
200	13.39	34.924	26.26
210	13.34	34.922	26.27
220	13.25	34.917	26.28
230	13.17	34.916	26.29
240	13.07	34.912	26.31
250	12.99	34.910	26.33
260	12.95	34.908	26.33
270	12.76	34.899	26.36
280	12.56	34.889	26.39
290	12.36	34.879	26.43
300	12.34	34.876	26.43
350	11.05	34.792	26.61
400	9.74	34.711	26.77
450	8.82	34.666	26.88
500	8.26	34.636	26.95
550	7.66	34.608	27.02
600	7.27	34.593	27.06
650	6.81	34.578	27.11
700	6.46	34.565	27.15
750	5.93	34.553	27.21
800	5.58	34.546	27.25
850	5.19	34.538	27.29
900	4.85	34.543	27.33
950	4.68	34.544	27.35
1000	4.57	34.547	27.37

EPOCS EP5-86-OC CTD 13 OCEANOGRAPHER

Date 12 08 86 Latitude 5.003 S

Time 0523 Z Longitude 83.008 W

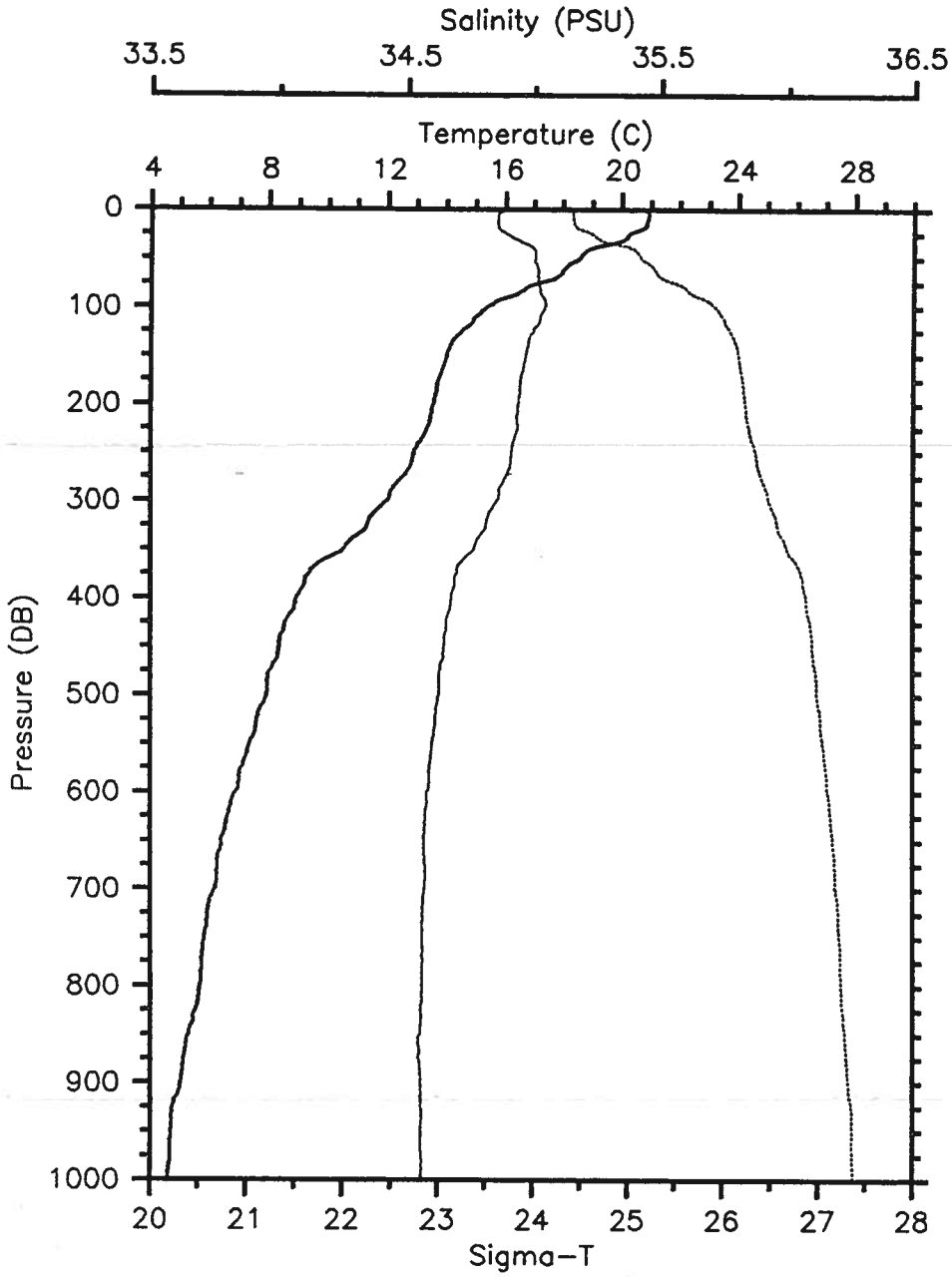


Prs	Tem	Sal	SigT
0	20.83	35.071	24.60
10	20.61	35.058	24.64
20	20.11	35.052	24.77
30	18.28	35.080	25.27
40	16.88	35.066	25.60
50	15.73	35.036	25.84
60	14.96	35.016	25.99
70	14.55	34.998	26.07
80	14.39	34.994	26.10
90	14.24	34.987	26.13
100	14.18	34.980	26.14
110	14.06	34.963	26.15
120	14.02	34.959	26.15
130	14.00	34.958	26.16
140	13.98	34.957	26.16
150	13.95	34.954	26.16
160	13.91	34.955	26.17
170	13.88	34.951	26.17
180	13.86	34.950	26.18
190	13.83	34.950	26.18
200	13.79	34.947	26.19
210	13.74	34.943	26.20
220	13.70	34.941	26.20
230	13.58	34.936	26.23
240	13.51	34.933	26.24
250	13.48	34.932	26.24
260	13.44	34.930	26.25
270	13.39	34.927	26.26
280	13.28	34.921	26.28
290	13.16	34.914	26.29
300	13.06	34.911	26.31
350	12.06	34.849	26.46
400	10.48	34.756	26.68
450	9.53	34.701	26.80
500	8.59	34.654	26.91
550	7.83	34.617	27.00
600	7.41	34.600	27.05
650	6.87	34.578	27.10
700	6.33	34.561	27.16
750	5.78	34.549	27.22
800	5.31	34.547	27.28
850	4.98	34.546	27.32
900	4.80	34.545	27.34
950	4.55	34.547	27.37
1000	4.34	34.558	27.40

EPOCS EP5-86-OC CTD 14 OCEANOGRAPHER

Date 12 08 86 Latitude 5.005 S

Time 1049 Z Longitude 82.002 W

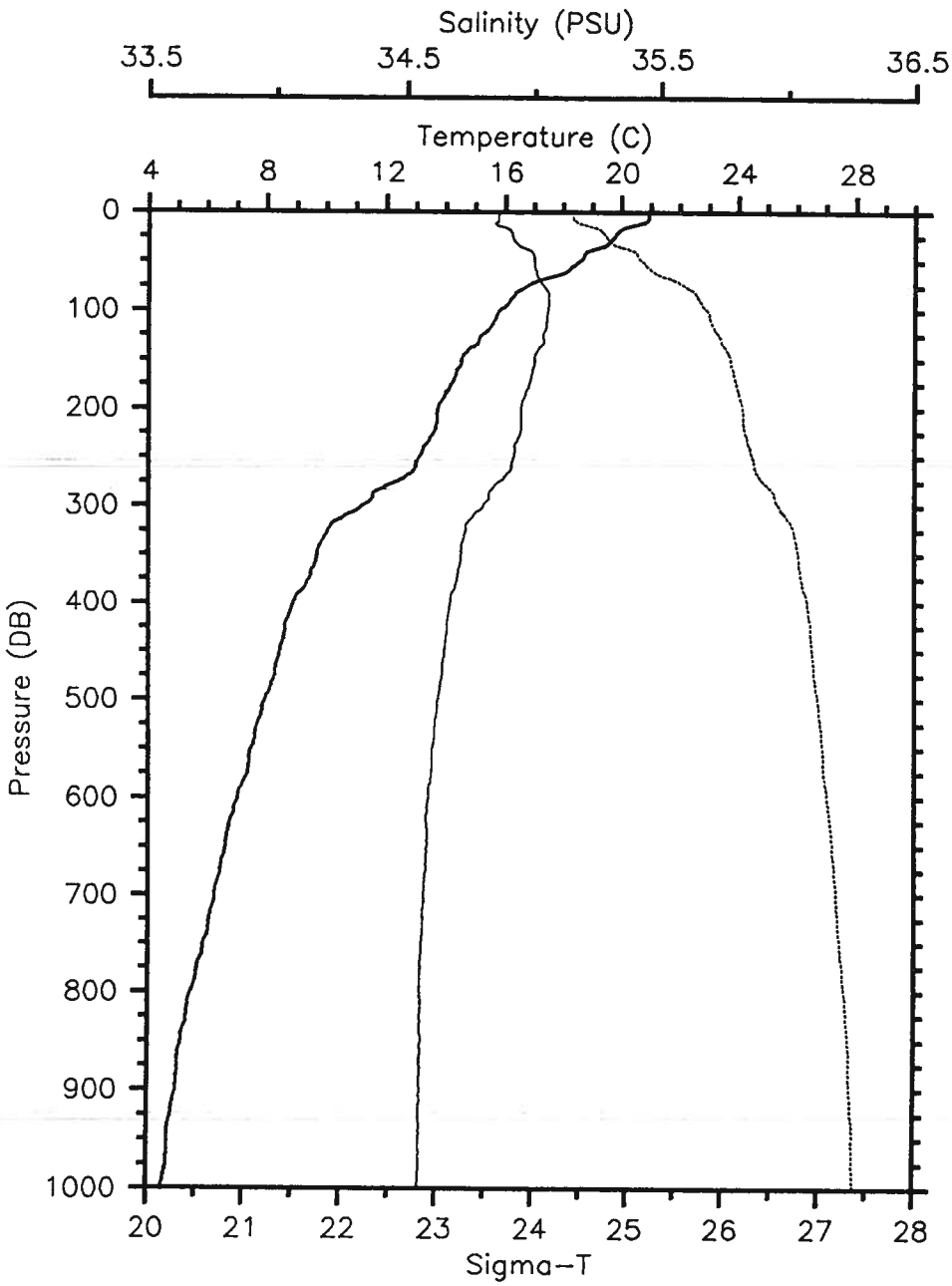


Prs	Tem	Sal	SigT
0	20.87	34.894	24.45
10	20.90	34.855	24.41
20	20.70	34.858	24.47
30	20.11	34.927	24.68
40	18.93	35.001	25.04
50	18.59	35.004	25.13
60	18.08	35.015	25.27
70	17.74	35.017	25.35
80	16.78	35.022	25.58
90	16.05	35.037	25.77
100	15.42	35.044	25.91
110	15.02	35.026	25.99
120	14.72	35.007	26.04
130	14.37	34.985	26.10
140	14.14	34.976	26.14
150	14.02	34.969	26.16
160	13.91	34.962	26.18
170	13.79	34.952	26.19
180	13.69	34.947	26.21
190	13.65	34.945	26.22
200	13.57	34.940	26.23
210	13.50	34.937	26.24
220	13.43	34.937	26.26
230	13.29	34.931	26.28
240	13.09	34.919	26.31
250	12.91	34.914	26.35
260	12.84	34.910	26.36
270	12.65	34.898	26.38
280	12.38	34.880	26.42
290	12.11	34.865	26.46
300	11.99	34.854	26.48
350	10.53	34.763	26.68
400	8.94	34.677	26.87
450	8.37	34.648	26.94
500	7.94	34.626	26.99
550	7.38	34.601	27.05
600	6.89	34.582	27.11
650	6.43	34.572	27.16
700	6.20	34.573	27.19
750	5.84	34.564	27.23
800	5.69	34.562	27.25
850	5.30	34.552	27.28
900	5.04	34.556	27.32
950	4.70	34.558	27.36
1000	4.59	34.561	27.37

EPOCS EP5-86-OC CTD 15 OCEANOGRAPHER

Date 12 08 86 Latitude 5.002 S

Time 1259 Z Longitude 81.752 W

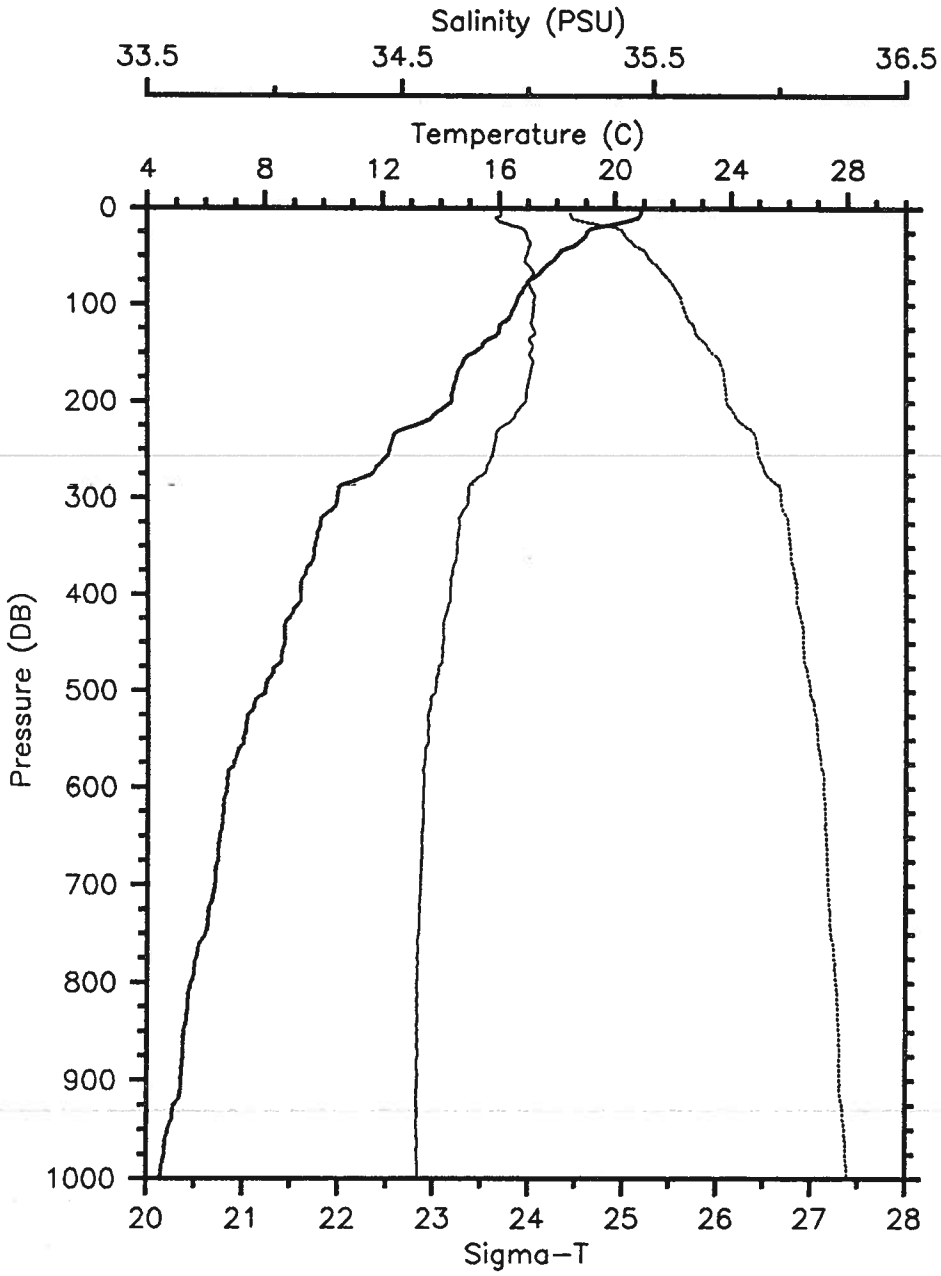


Prs	Tem	Sal	SigT
0	20.92	34.860	24.41
10	20.81	34.857	24.44
20	19.91	34.906	24.72
30	19.60	34.922	24.81
40	18.82	34.990	25.06
50	18.56	35.001	25.14
60	18.12	35.010	25.25
70	17.12	35.025	25.51
80	16.49	35.052	25.68
90	16.16	35.058	25.76
100	15.83	35.054	25.83
110	15.67	35.050	25.86
120	15.43	35.043	25.91
130	15.13	35.037	25.97
140	14.77	35.014	26.03
150	14.54	35.002	26.07
160	14.41	34.995	26.10
170	14.27	34.987	26.12
180	14.11	34.974	26.14
190	13.92	34.959	26.17
200	13.75	34.950	26.20
210	13.71	34.949	26.21
220	13.67	34.949	26.22
230	13.48	34.936	26.25
240	13.26	34.923	26.28
250	13.10	34.919	26.31
260	12.97	34.911	26.33
270	12.64	34.884	26.38
280	12.00	34.845	26.47
290	11.56	34.826	26.54
300	11.21	34.801	26.58
350	9.70	34.716	26.78
400	8.90	34.673	26.88
450	8.47	34.653	26.93
500	7.96	34.627	26.99
550	7.48	34.604	27.04
600	7.04	34.590	27.09
650	6.64	34.584	27.14
700	6.26	34.572	27.18
750	5.86	34.564	27.23
800	5.44	34.557	27.27
850	5.12	34.562	27.31
900	4.96	34.561	27.33
950	4.67	34.559	27.36
1000	4.50	34.555	27.38

EPOCS EP5-86-OC CTD 16 OCEANOGRAPHER

Date 12 08 86 Latitude 5.003 S

Time 1519 Z Longitude 81.500 W

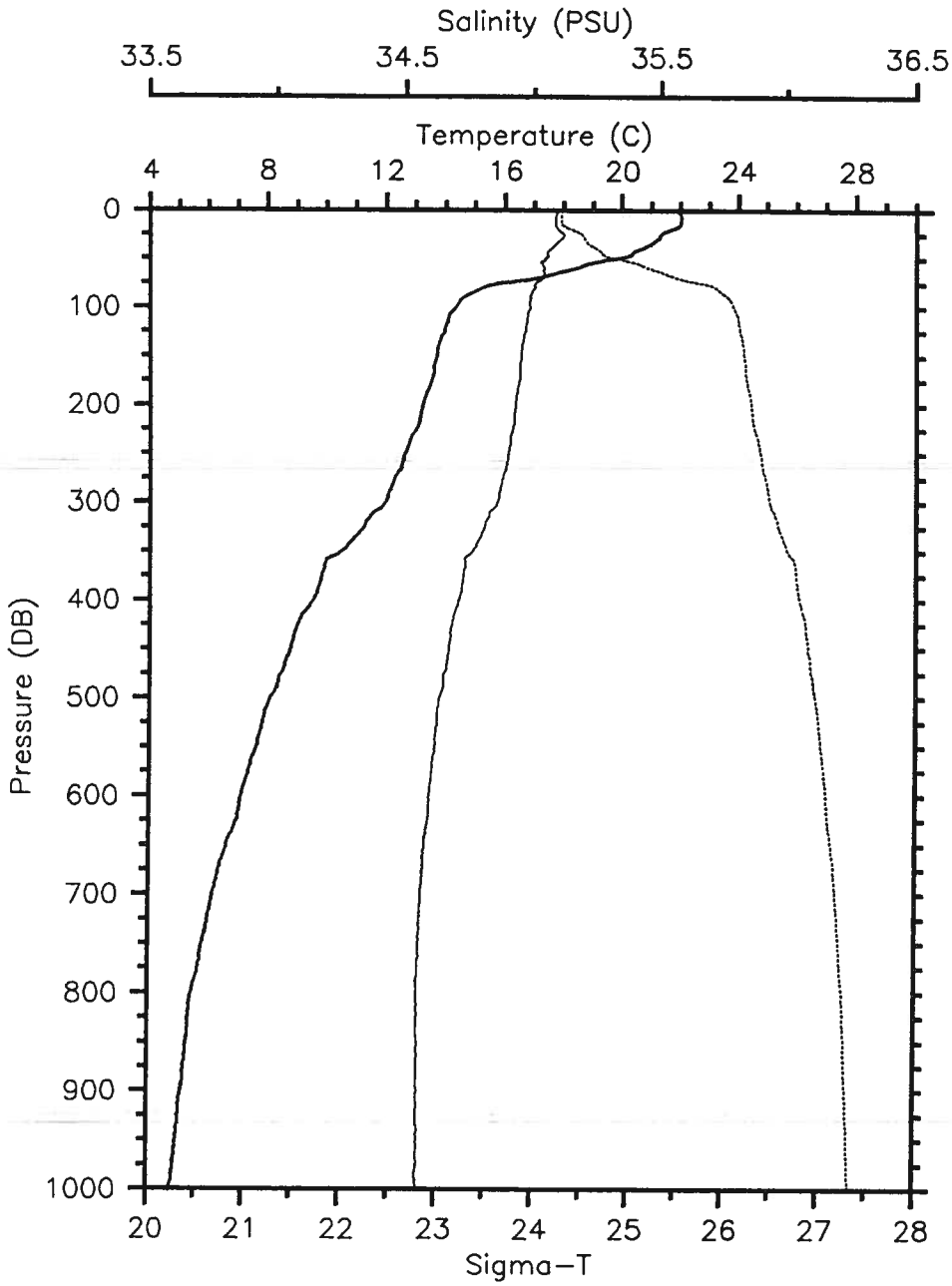


Prs	Tem	Sal	SigT
0	20.89	34.890	24.44
10	20.78	34.870	24.46
20	19.37	34.963	24.90
30	18.94	34.996	25.03
40	18.51	35.003	25.15
50	17.99	34.990	25.27
60	17.61	35.006	25.37
70	17.28	35.014	25.46
80	16.91	35.006	25.54
90	16.68	35.025	25.61
100	16.55	35.022	25.64
110	16.40	35.018	25.67
120	16.05	35.012	25.75
130	15.95	35.025	25.78
140	15.45	35.012	25.88
150	15.08	35.006	25.96
160	14.76	35.018	26.04
170	14.58	35.008	26.07
180	14.49	34.999	26.08
190	14.40	34.992	26.10
200	14.35	34.987	26.10
210	13.93	34.954	26.17
220	13.52	34.930	26.23
230	12.58	34.876	26.38
240	12.34	34.870	26.42
250	12.24	34.863	26.44
260	12.03	34.848	26.47
270	11.74	34.832	26.51
280	11.24	34.793	26.57
290	10.53	34.764	26.68
300	10.48	34.762	26.68
350	9.69	34.717	26.78
400	9.20	34.691	26.84
450	8.65	34.663	26.91
500	7.98	34.632	26.99
550	7.26	34.604	27.07
600	6.68	34.584	27.13
650	6.45	34.579	27.16
700	6.28	34.574	27.18
750	5.97	34.565	27.21
800	5.48	34.558	27.27
850	5.25	34.559	27.30
900	5.16	34.560	27.31
950	4.72	34.560	27.36
1000	4.48	34.565	27.39

EPOCS EP5-86-OC CTD 17 OCEANOGRAPHER

Date 12 09 86 Latitude 4.013 S

Time 1102 Z Longitude 84.977 W

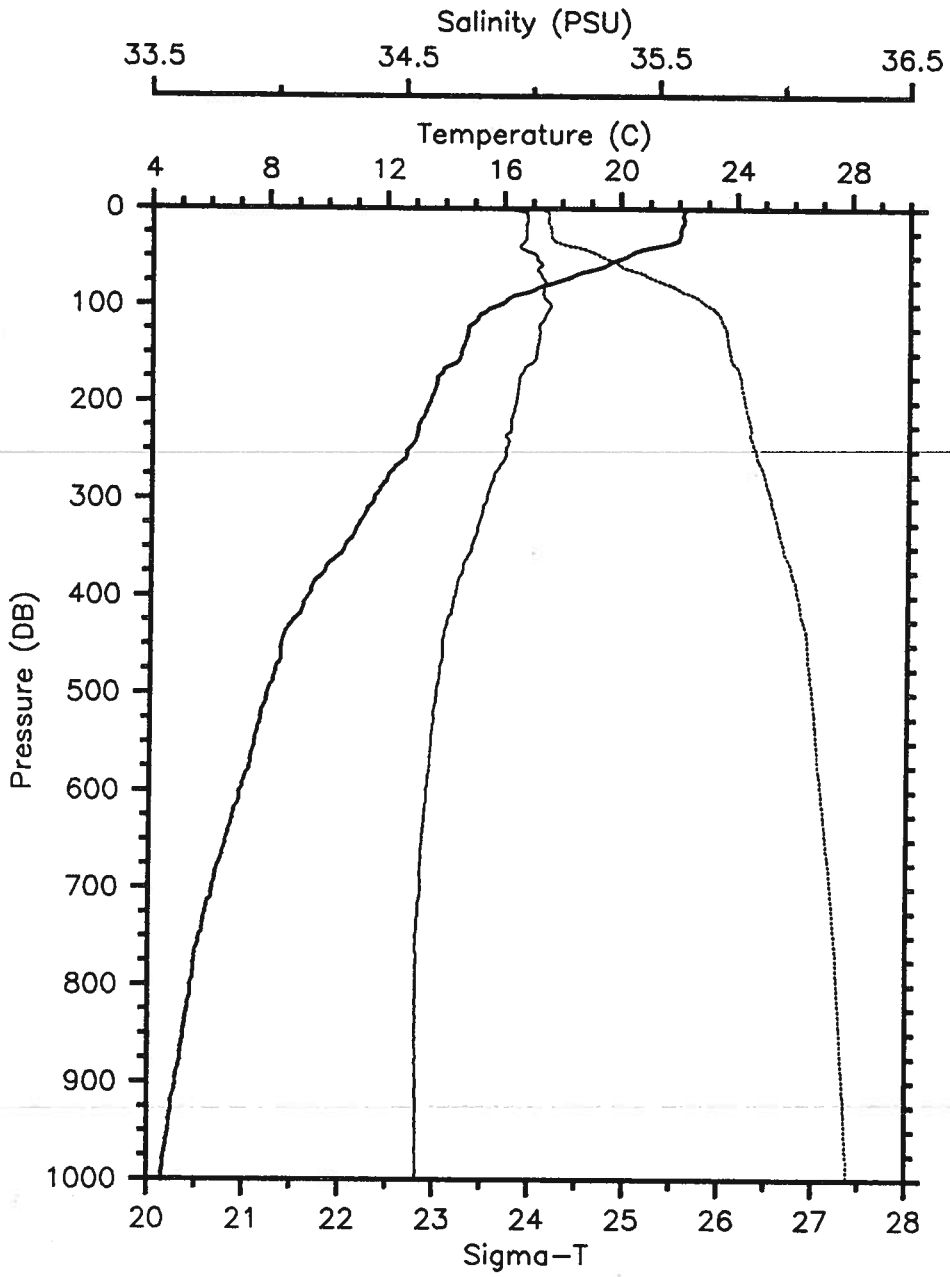


Prs	Tem	Sal	SigT
0	21.98	35.089	24.29
10	22.01	35.081	24.28
20	21.66	35.091	24.38
30	21.17	35.102	24.53
40	20.60	35.060	24.65
50	19.82	35.040	24.84
60	18.33	35.037	25.22
70	17.13	35.034	25.51
80	15.26	35.002	25.92
90	14.59	34.984	26.05
100	14.33	34.984	26.10
110	14.09	34.972	26.15
120	13.98	34.967	26.17
130	13.85	34.959	26.19
140	13.75	34.952	26.20
150	13.69	34.949	26.21
160	13.59	34.944	26.23
170	13.57	34.944	26.23
180	13.45	34.936	26.25
190	13.32	34.930	26.27
200	13.22	34.926	26.29
210	13.15	34.922	26.30
220	13.09	34.920	26.31
230	12.89	34.909	26.35
240	12.75	34.906	26.37
250	12.62	34.898	26.39
260	12.53	34.893	26.40
270	12.37	34.881	26.43
280	12.22	34.873	26.45
290	12.07	34.864	26.47
300	11.95	34.855	26.49
350	10.48	34.758	26.68
400	9.53	34.706	26.80
450	8.79	34.668	26.89
500	8.11	34.631	26.97
550	7.65	34.613	27.02
600	7.14	34.592	27.08
650	6.65	34.576	27.13
700	6.18	34.563	27.18
750	5.84	34.555	27.22
800	5.49	34.550	27.26
850	5.33	34.555	27.28
900	5.16	34.555	27.30
950	4.99	34.555	27.32
1000	4.79	34.555	27.35

EPOCS EP5-86-OC CTD 18 OCEANOGRAPHER

Date 12 09 86 Latitude 2.998 S

Time 1549 Z Longitude 85.000 W

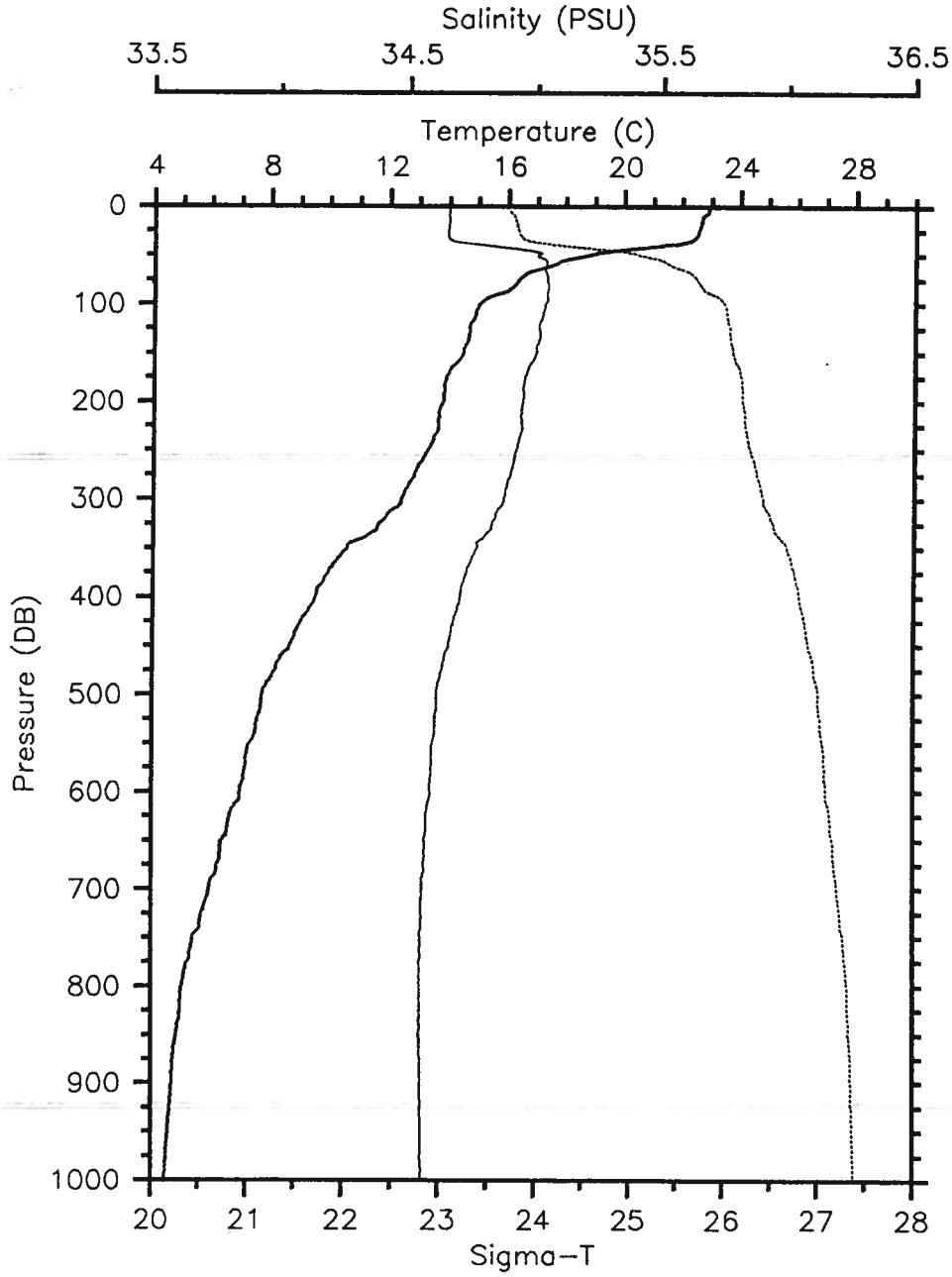


Prs	Tem	Sal	SigT
0	22.25	34.875	24.05
10	22.14	34.976	24.16
20	22.06	34.972	24.18
30	22.01	34.971	24.20
40	21.05	34.946	24.44
50	20.20	35.015	24.72
60	19.45	35.029	24.93
70	18.39	35.034	25.20
80	17.40	35.042	25.45
90	16.36	35.044	25.70
100	15.85	35.070	25.84
110	15.22	35.050	25.96
120	14.91	35.026	26.01
130	14.76	35.026	26.04
140	14.67	35.021	26.06
150	14.55	35.014	26.08
160	14.38	35.001	26.11
170	13.89	34.959	26.18
180	13.72	34.946	26.20
190	13.63	34.941	26.22
200	13.49	34.936	26.24
210	13.36	34.928	26.26
220	13.17	34.916	26.29
230	13.08	34.916	26.31
240	12.99	34.908	26.33
250	12.73	34.895	26.37
260	12.59	34.887	26.39
270	12.24	34.862	26.44
280	12.02	34.845	26.46
290	11.78	34.831	26.50
300	11.58	34.821	26.53
350	10.59	34.764	26.66
400	9.36	34.697	26.82
450	8.47	34.651	26.93
500	8.01	34.629	26.98
550	7.58	34.609	27.03
600	7.08	34.590	27.08
650	6.61	34.576	27.14
700	6.18	34.570	27.19
750	5.72	34.554	27.24
800	5.45	34.555	27.27
850	5.20	34.554	27.30
900	4.95	34.557	27.33
950	4.71	34.557	27.36
1000	4.50	34.559	27.38

EPOCS EP5-86-OC CTD 19 OCEANOGRAPHER

Date 12 09 86 Latitude 2.002 S

Time 2053 Z Longitude 85.007 W

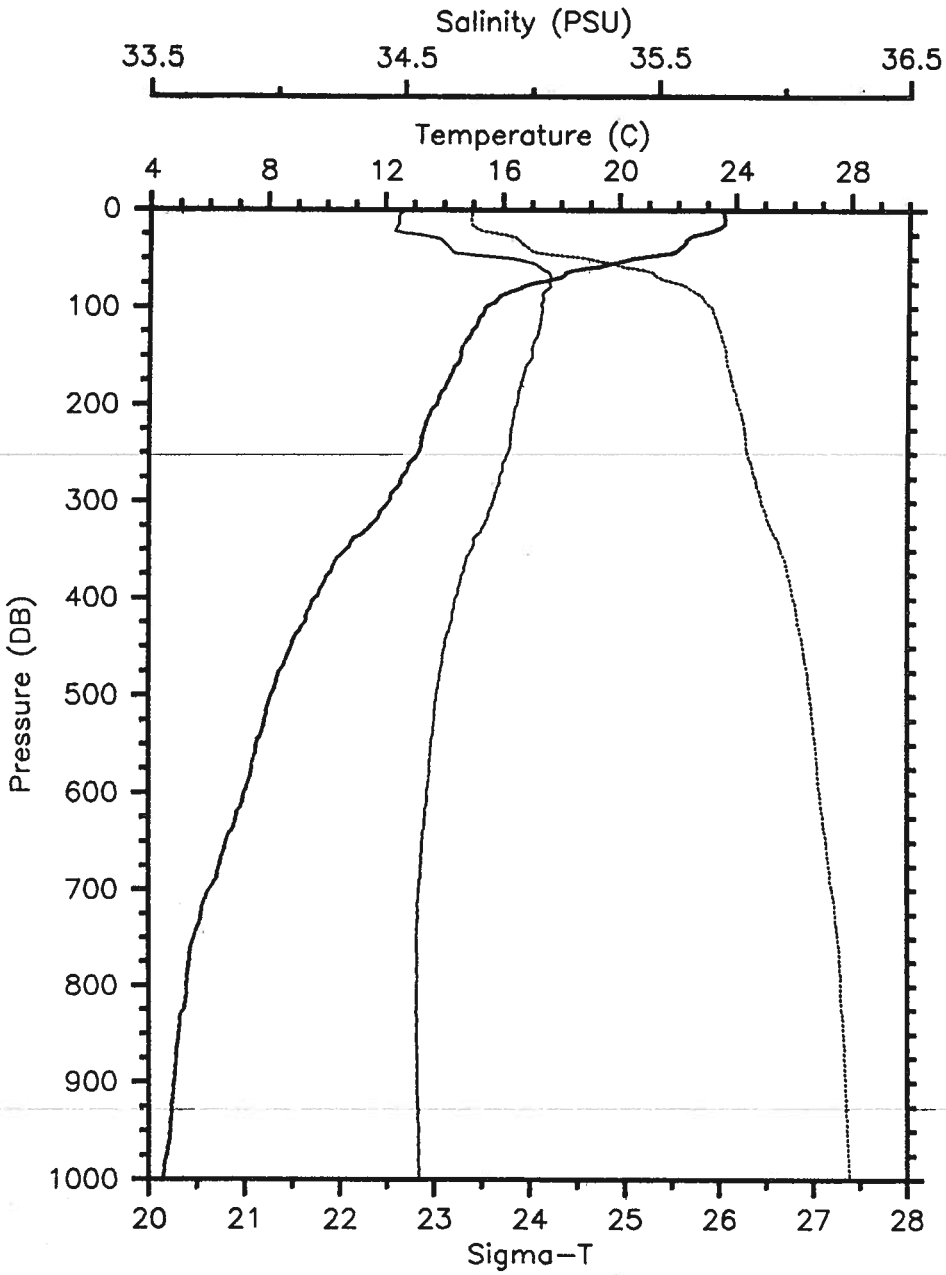


Prs	Tem	Sal	SigT
0	22.89	34.646	23.70
10	22.71	34.650	23.75
20	22.62	34.650	23.78
30	22.48	34.648	23.82
40	21.33	34.798	24.25
50	18.80	35.000	25.07
60	17.52	35.035	25.42
70	16.56	35.036	25.65
80	16.24	35.042	25.72
90	15.61	35.037	25.87
100	15.03	35.031	25.99
110	14.90	35.023	26.01
120	14.74	35.007	26.04
130	14.70	35.010	26.05
140	14.60	35.002	26.06
150	14.50	34.996	26.08
160	14.27	34.977	26.11
170	14.00	34.960	26.16
180	13.87	34.948	26.18
190	13.84	34.946	26.18
200	13.81	34.943	26.18
210	13.68	34.938	26.21
220	13.66	34.938	26.21
230	13.62	34.939	26.22
240	13.47	34.928	26.24
250	13.30	34.918	26.27
260	13.12	34.910	26.30
270	12.92	34.900	26.33
280	12.77	34.889	26.35
290	12.56	34.879	26.39
300	12.43	34.872	26.41
350	10.61	34.766	26.66
400	9.56	34.704	26.80
450	8.70	34.659	26.90
500	7.78	34.615	27.00
550	7.36	34.598	27.05
600	7.04	34.590	27.09
650	6.42	34.569	27.16
700	5.99	34.560	27.21
750	5.42	34.555	27.27
800	5.04	34.552	27.32
850	4.87	34.551	27.33
900	4.71	34.556	27.36
950	4.58	34.558	27.37
1000	4.45	34.559	27.39

EPOCS EP5-86-OC CTD 20 OCEANOGRAPHER

Date 12 10 86 Latitude 1.490 S

Time 0011 Z Longitude 85.002 W

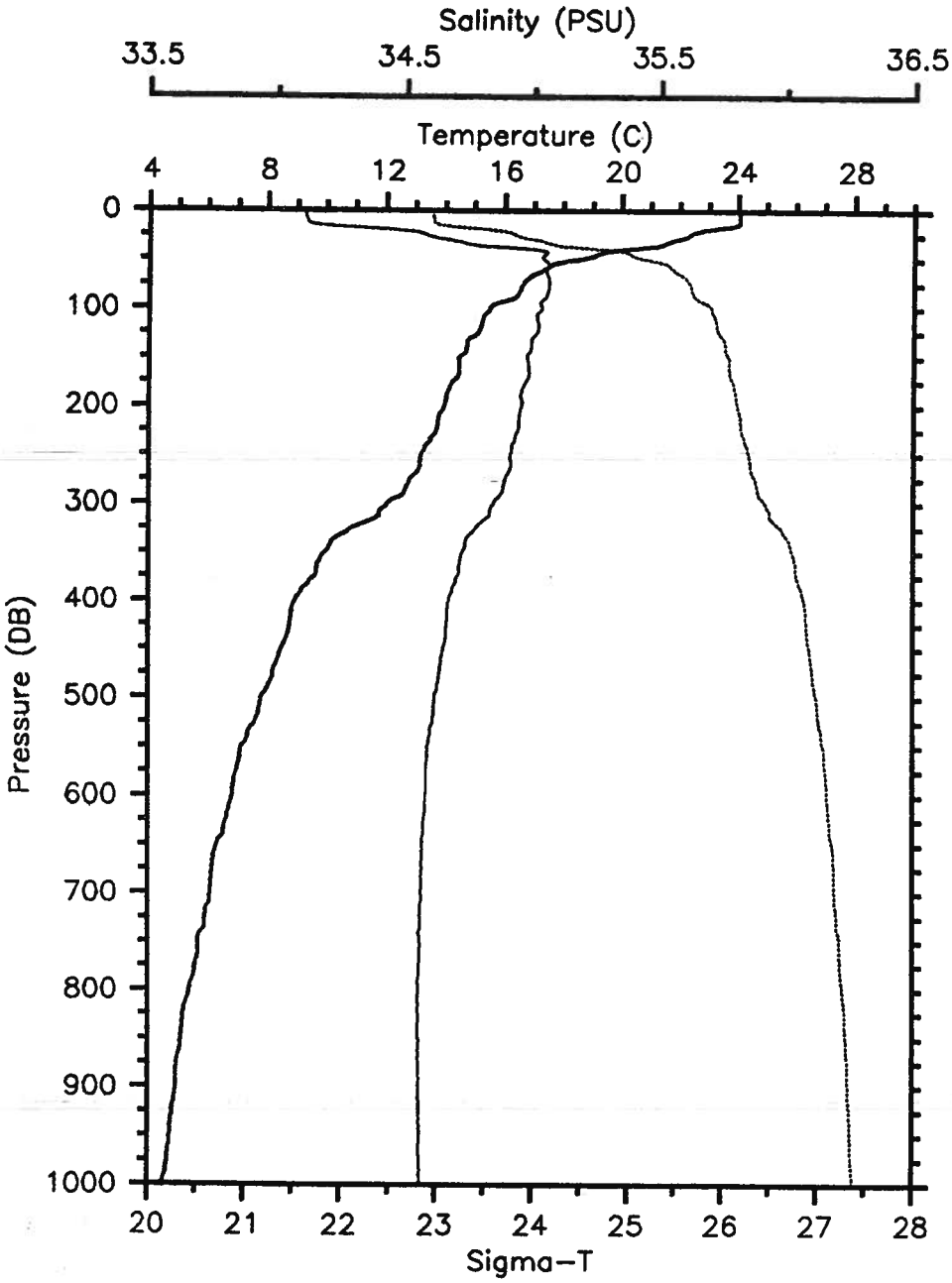


Prs	Tem	Sal	SigT
0	23.55	34.511	23.41
10	23.60	34.477	23.37
20	23.33	34.464	23.43
30	22.31	34.644	23.86
40	22.02	34.681	23.97
50	20.46	34.922	24.58
60	18.79	35.037	25.10
70	17.89	35.074	25.36
80	16.65	35.070	25.65
90	15.88	35.045	25.81
100	15.44	35.042	25.91
110	15.26	35.038	25.95
120	15.10	35.033	25.98
130	14.90	35.022	26.01
140	14.68	35.004	26.05
150	14.62	35.005	26.06
160	14.43	34.981	26.08
170	14.24	34.969	26.11
180	14.12	34.962	26.13
190	13.90	34.952	26.17
200	13.79	34.944	26.19
210	13.56	34.934	26.23
220	13.43	34.928	26.25
230	13.32	34.922	26.27
240	13.29	34.921	26.27
250	13.16	34.910	26.29
260	12.89	34.892	26.33
270	12.76	34.886	26.35
280	12.57	34.877	26.38
290	12.31	34.862	26.42
300	12.18	34.853	26.44
350	10.70	34.770	26.65
400	9.62	34.706	26.79
450	8.83	34.665	26.88
500	8.16	34.635	26.96
550	7.65	34.613	27.02
600	7.23	34.596	27.07
650	6.61	34.577	27.14
700	6.05	34.562	27.20
750	5.51	34.555	27.26
800	5.26	34.556	27.29
850	5.00	34.555	27.32
900	4.84	34.559	27.34
950	4.71	34.564	27.36
1000	4.46	34.567	27.39

EPOCS EP5-86-OC CTD 21 OCEANOGRAPHER

Date 12 10 86 Latitude 1.000 S

Time 0322 Z Longitude 85.030 W

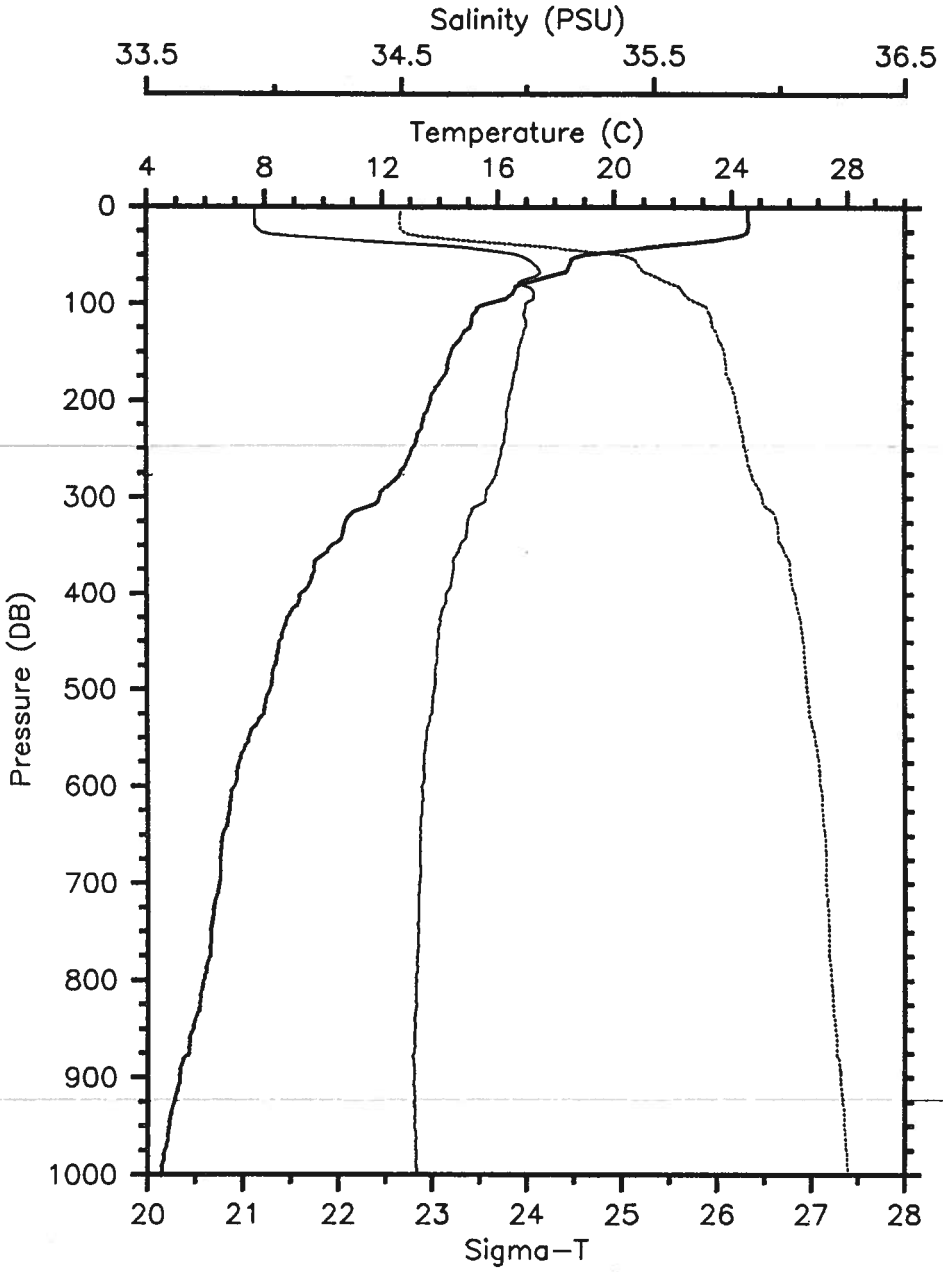


Prs	Tem	Sal	SigT
0	24.04	34.110	22.96
10	24.05	34.115	22.96
20	22.80	34.454	23.58
30	21.76	34.683	24.04
40	19.95	35.019	24.79
50	18.52	35.037	25.17
60	17.35	35.048	25.47
70	16.79	35.059	25.61
80	16.57	35.058	25.66
90	16.27	35.040	25.72
100	15.53	35.033	25.88
110	15.31	35.015	25.92
120	15.21	35.018	25.94
130	14.87	34.996	26.00
140	14.74	34.993	26.02
150	14.50	34.976	26.06
160	14.49	34.982	26.07
170	14.43	34.981	26.08
180	14.18	34.962	26.12
190	14.07	34.953	26.14
200	13.98	34.955	26.16
210	13.81	34.946	26.18
220	13.77	34.944	26.19
230	13.60	34.931	26.22
240	13.36	34.917	26.26
250	13.22	34.912	26.28
260	13.16	34.913	26.29
270	12.98	34.898	26.32
280	12.72	34.885	26.36
290	12.57	34.874	26.38
300	12.08	34.847	26.46
350	9.98	34.725	26.74
400	8.96	34.672	26.87
450	8.50	34.652	26.92
500	7.83	34.619	27.00
550	7.16	34.589	27.07
600	6.86	34.583	27.11
650	6.35	34.572	27.17
700	6.12	34.566	27.19
750	5.71	34.561	27.24
800	5.42	34.555	27.27
850	5.12	34.556	27.31
900	4.96	34.557	27.33
950	4.75	34.559	27.35
1000	4.52	34.562	27.38

EPOCS EP5-86-OC CTD 22 OCEANOGRAPHER

Date 12 10 86 Latitude 0.498 S

Time 0645 Z Longitude 85.013 W

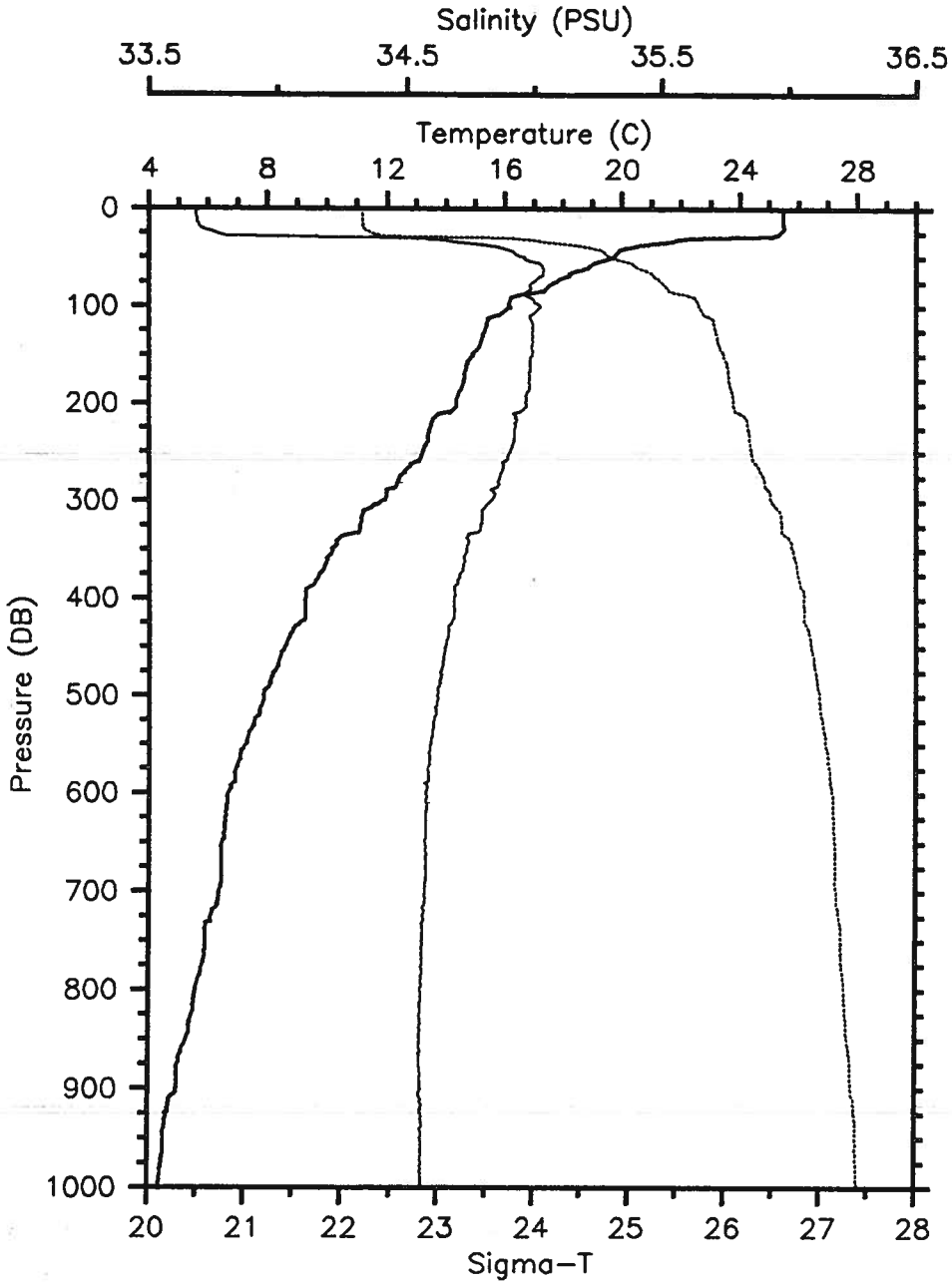


Prs	Tem	Sal	SigT
0	24.58	33.922	22.66
10	24.58	33.922	22.65
20	24.58	33.926	22.66
30	24.17	34.062	22.88
40	21.60	34.669	24.08
50	18.95	34.973	25.01
60	18.49	35.038	25.18
70	17.98	35.045	25.31
80	16.82	34.974	25.54
90	16.50	35.031	25.66
100	15.63	34.997	25.83
110	15.20	34.991	25.92
120	15.11	34.999	25.95
130	14.83	34.989	26.00
140	14.62	34.977	26.04
150	14.40	34.968	26.08
160	14.31	34.964	26.09
170	14.25	34.955	26.10
180	14.03	34.947	26.14
190	13.84	34.939	26.17
200	13.69	34.930	26.20
210	13.59	34.923	26.21
220	13.45	34.925	26.24
230	13.34	34.918	26.26
240	13.22	34.913	26.28
250	13.06	34.902	26.31
260	12.92	34.893	26.33
270	12.75	34.884	26.35
280	12.54	34.872	26.39
290	12.13	34.845	26.44
300	11.90	34.837	26.48
350	10.29	34.737	26.70
400	9.23	34.681	26.83
450	8.51	34.646	26.92
500	8.17	34.632	26.96
550	7.45	34.600	27.04
600	6.93	34.582	27.10
650	6.55	34.574	27.14
700	6.43	34.572	27.16
750	6.15	34.567	27.19
800	5.91	34.560	27.22
850	5.53	34.554	27.26
900	5.09	34.552	27.31
950	4.72	34.554	27.35
1000	4.45	34.562	27.39

EPOCS EP5-86-OC CTD 23 OCEANOGRAPHER

Date 12 10 86 Latitude 0.007 S

Time 1018 Z Longitude 85.008 W

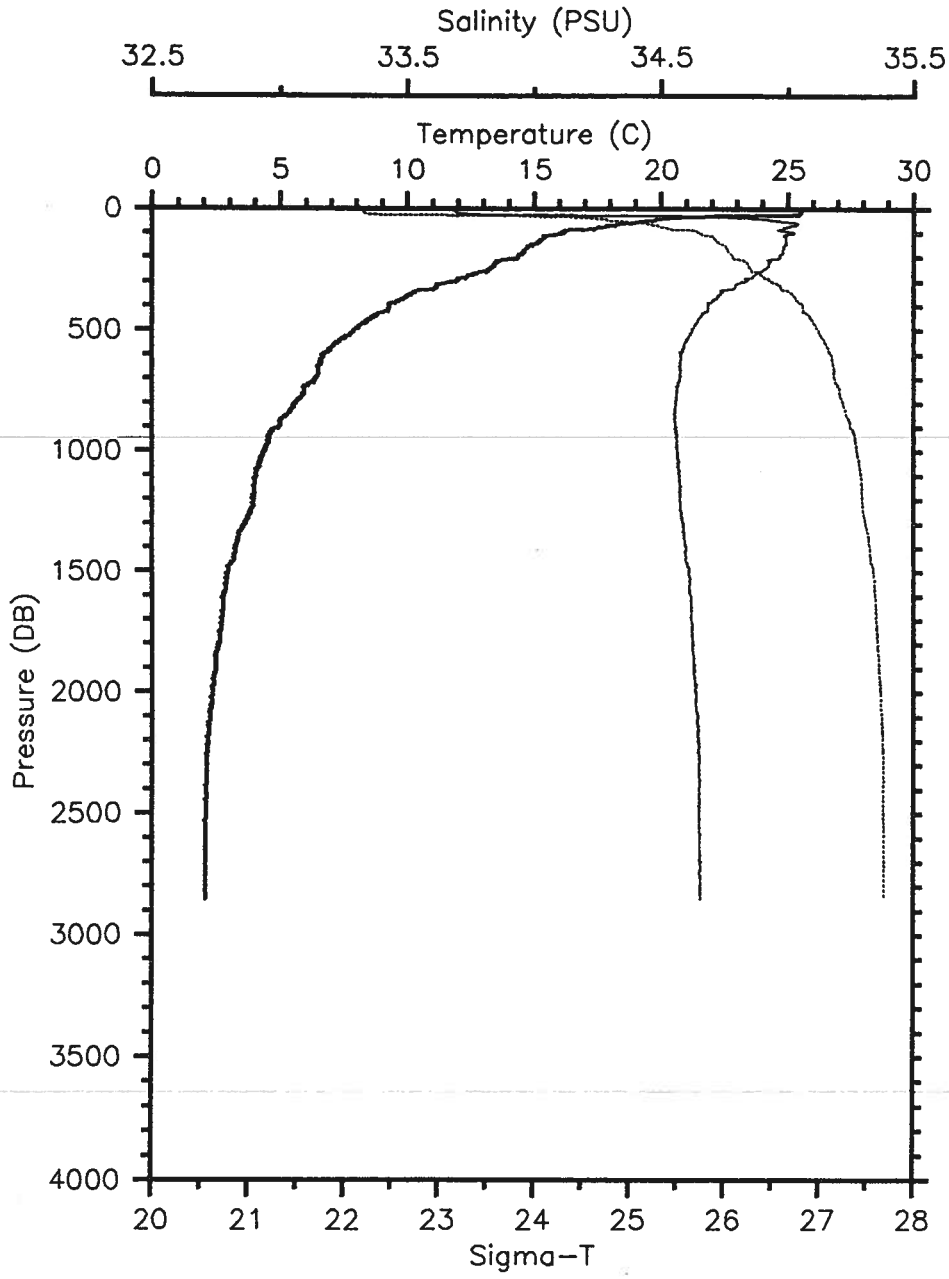


Prs	Tem	Sal	SigT
0	25.47	33.685	22.21
10	25.48	33.687	22.21
20	25.49	33.702	22.21
30	22.34	34.517	23.76
40	20.19	34.869	24.61
50	19.70	34.964	24.81
60	18.87	35.034	25.08
70	18.08	35.018	25.27
80	17.49	34.983	25.38
90	16.25	34.977	25.67
100	16.18	35.026	25.73
110	15.66	34.983	25.81
120	15.36	34.994	25.89
130	15.26	34.994	25.91
140	15.14	34.993	25.94
150	14.92	34.993	25.98
160	14.72	34.982	26.02
170	14.65	34.981	26.04
180	14.58	34.982	26.05
190	14.41	34.970	26.08
200	14.35	34.969	26.09
210	13.78	34.919	26.17
220	13.51	34.925	26.23
230	13.41	34.924	26.25
240	13.35	34.918	26.26
250	13.22	34.905	26.28
260	12.95	34.876	26.31
270	12.61	34.872	26.37
280	12.35	34.858	26.41
290	11.98	34.841	26.47
300	11.82	34.831	26.49
350	10.19	34.736	26.71
400	9.28	34.685	26.83
450	8.60	34.650	26.91
500	7.90	34.620	26.99
550	7.28	34.593	27.06
600	6.67	34.577	27.13
650	6.47	34.574	27.16
700	6.37	34.574	27.17
750	5.90	34.561	27.22
800	5.59	34.556	27.25
850	5.28	34.555	27.29
900	4.94	34.561	27.33
950	4.53	34.561	27.38
1000	4.38	34.564	27.40

EPOCS EP5-86-OC CTD 23 OCEANOGRAPHER

Date 12 10 86 Latitude 0.007 S

Time 1018 Z Longitude 85.008 W

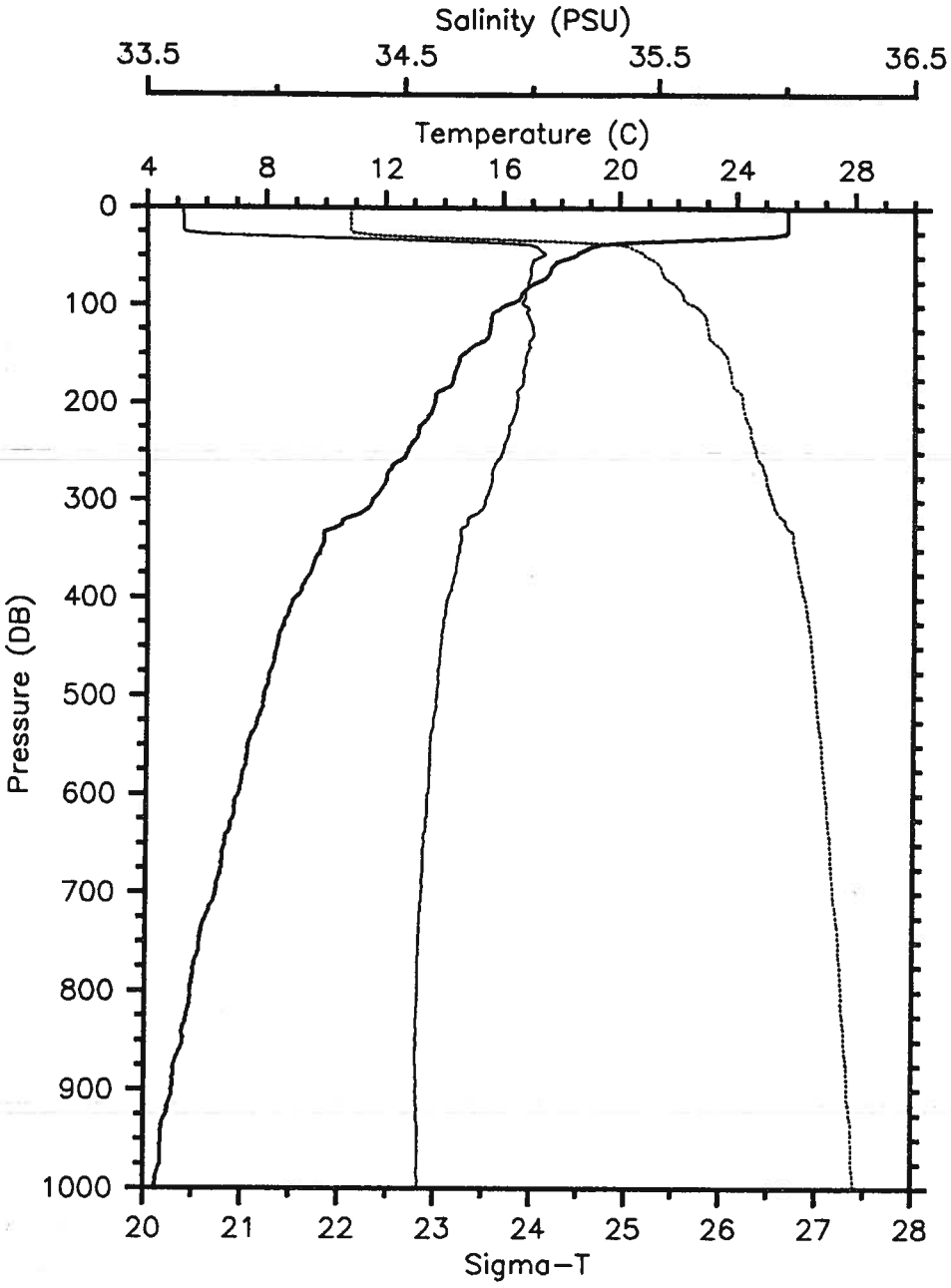


Prs	Tem	Sal	SigT
0	25.47	33.685	22.21
20	25.49	33.702	22.21
40	20.19	34.869	24.61
60	18.87	35.034	25.08
80	17.49	34.983	25.38
100	16.18	35.026	25.73
120	15.36	34.994	25.89
140	15.14	34.993	25.94
160	14.72	34.982	26.02
180	14.58	34.982	26.05
200	14.35	34.969	26.09
220	13.51	34.925	26.23
240	13.35	34.918	26.26
260	12.95	34.876	26.31
280	12.35	34.858	26.41
300	11.82	34.831	26.49
320	11.14	34.793	26.59
340	10.36	34.743	26.69
360	10.01	34.726	26.74
380	9.66	34.701	26.78
400	9.28	34.685	26.83
450	8.60	34.650	26.91
500	7.90	34.620	26.99
550	7.28	34.593	27.06
600	6.67	34.577	27.13
650	6.47	34.574	27.16
700	6.37	34.574	27.17
750	5.90	34.561	27.22
800	5.59	34.556	27.25
850	5.28	34.555	27.29
900	4.94	34.561	27.33
950	4.53	34.561	27.38
1000	4.38	34.564	27.40
1500	2.93	34.613	27.58
2000	2.32	34.639	27.66
2500	2.06	34.651	27.69

EPOCS EP5-86-OC CTD 24 OCEANOGRAPHER

Date 12 10 86 Latitude 0.500 N

Time 1506 Z Longitude 84.997 W

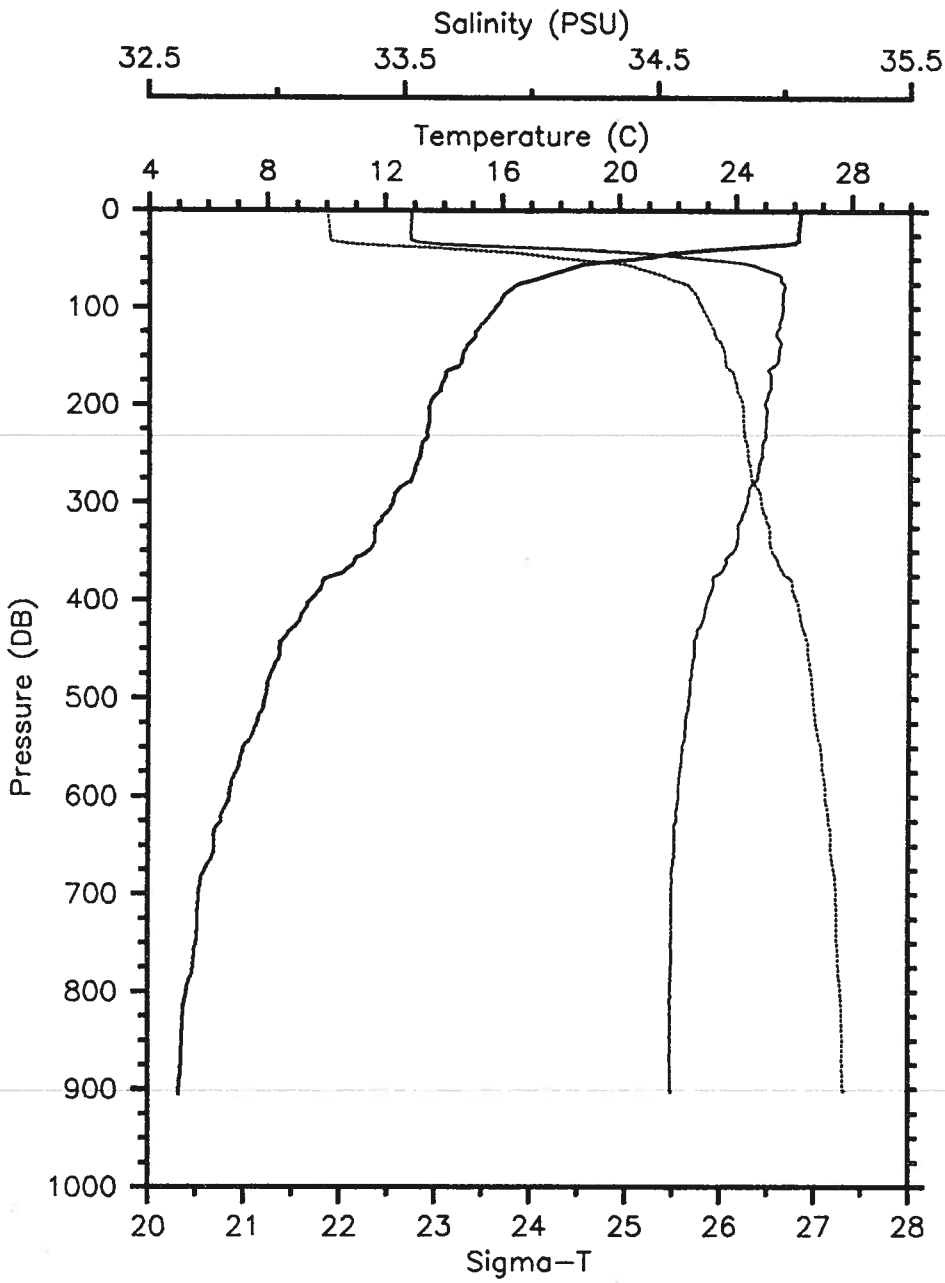


Prs	Tem	Sal	SigT
0	25.72	33.639	22.09
10	25.72	33.640	22.10
20	25.72	33.640	22.10
30	24.12	34.010	22.86
40	19.05	35.015	25.02
50	18.44	35.036	25.19
60	17.68	34.992	25.35
70	17.51	34.990	25.38
80	16.94	34.981	25.51
90	16.59	34.972	25.59
100	16.08	34.965	25.70
110	15.61	34.983	25.82
120	15.56	34.997	25.85
130	15.51	35.003	25.86
140	15.08	34.985	25.94
150	14.62	34.974	26.04
160	14.46	34.969	26.07
170	14.33	34.964	26.09
180	14.26	34.961	26.10
190	13.72	34.938	26.20
200	13.65	34.937	26.21
210	13.53	34.929	26.23
220	13.30	34.916	26.27
230	13.12	34.905	26.30
240	12.93	34.892	26.32
250	12.75	34.882	26.35
260	12.41	34.857	26.40
270	12.12	34.840	26.44
280	12.01	34.840	26.46
290	11.80	34.828	26.49
300	11.55	34.813	26.53
350	9.82	34.713	26.76
400	8.96	34.666	26.86
450	8.38	34.642	26.94
500	7.93	34.626	26.99
550	7.42	34.601	27.05
600	7.09	34.592	27.09
650	6.64	34.579	27.14
700	6.36	34.571	27.17
750	5.83	34.561	27.23
800	5.53	34.558	27.26
850	5.28	34.554	27.29
900	4.94	34.555	27.33
950	4.58	34.562	27.38
1000	4.37	34.564	27.40

EPOCS EP5-86-OC CTD 25 OCEANOGRAPHER

Date 12 10 86 Latitude 0.995 N

Time 1808 Z Longitude 85.002 W

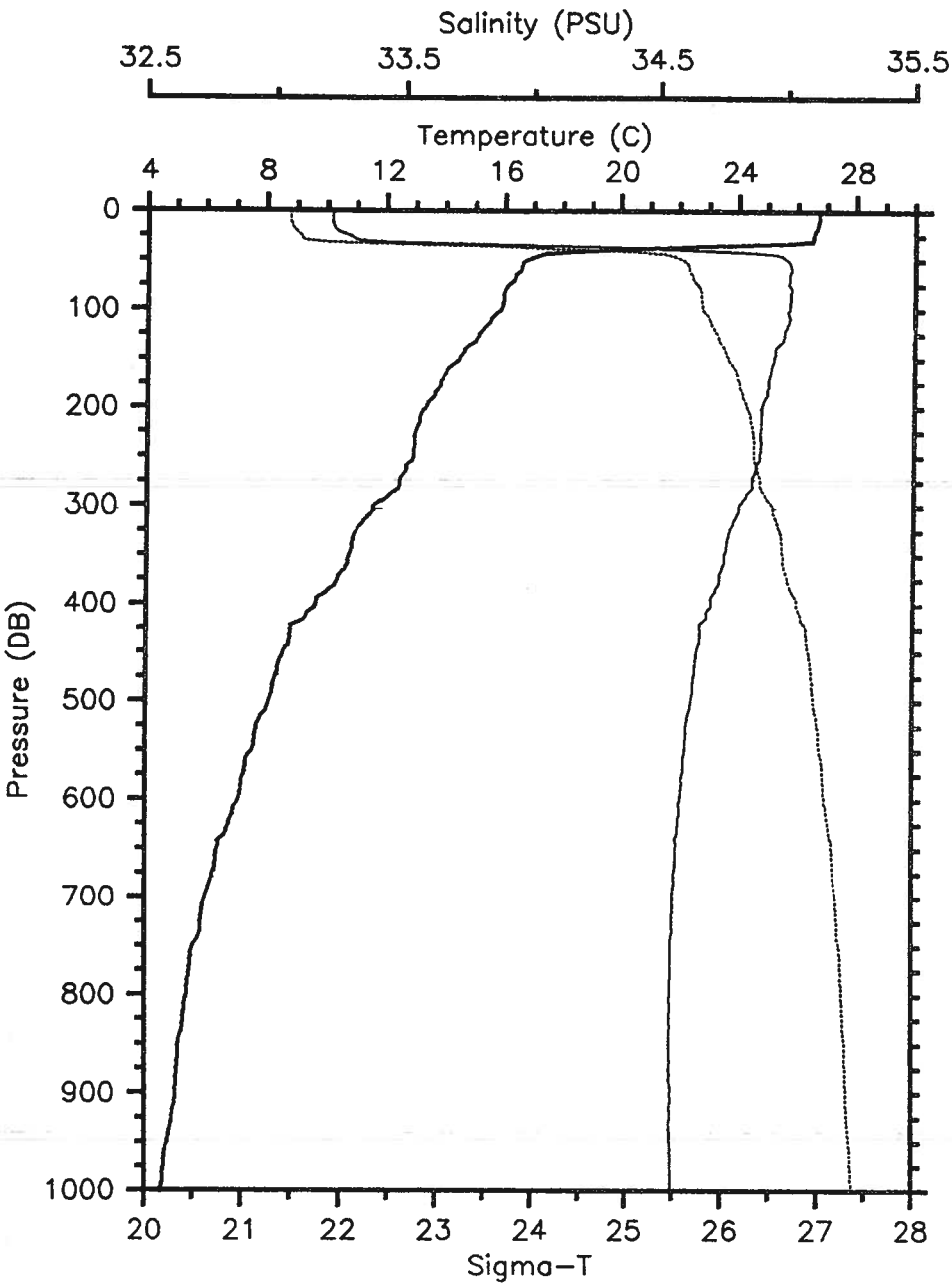


Prs	Tem	Sal	SigT
0	26.22	33.523	21.85
10	26.19	33.523	21.86
20	26.15	33.522	21.87
30	26.13	33.523	21.88
40	23.21	34.162	23.24
50	20.58	34.677	24.36
60	18.26	34.916	25.14
70	17.24	34.984	25.45
80	16.34	34.998	25.67
90	15.99	34.994	25.75
100	15.77	34.992	25.79
110	15.52	34.987	25.85
120	15.22	34.978	25.91
130	15.06	34.972	25.94
140	14.78	34.980	26.01
150	14.64	34.975	26.03
160	14.51	34.952	26.04
170	14.06	34.945	26.13
180	13.92	34.945	26.16
190	13.71	34.933	26.20
200	13.51	34.924	26.23
210	13.51	34.928	26.23
220	13.49	34.928	26.24
230	13.44	34.925	26.25
240	13.26	34.913	26.27
250	13.20	34.912	26.28
260	13.06	34.900	26.30
270	12.98	34.895	26.32
280	12.78	34.877	26.34
290	12.36	34.860	26.41
300	12.27	34.854	26.42
350	11.42	34.797	26.54
400	9.46	34.695	26.80
450	8.44	34.645	26.93
500	7.96	34.625	26.99
550	7.23	34.599	27.07
600	6.76	34.584	27.12
650	6.24	34.570	27.18
700	5.73	34.560	27.24
750	5.63	34.557	27.25
800	5.30	34.553	27.29
850	5.15	34.553	27.30
900	5.04	34.554	27.32

EPOCS EP5-86-OC CTD 26 OCEANOGRAPHER

Date 12 10 86 Latitude 1.502 N

Time 2129 Z Longitude 85.008 W

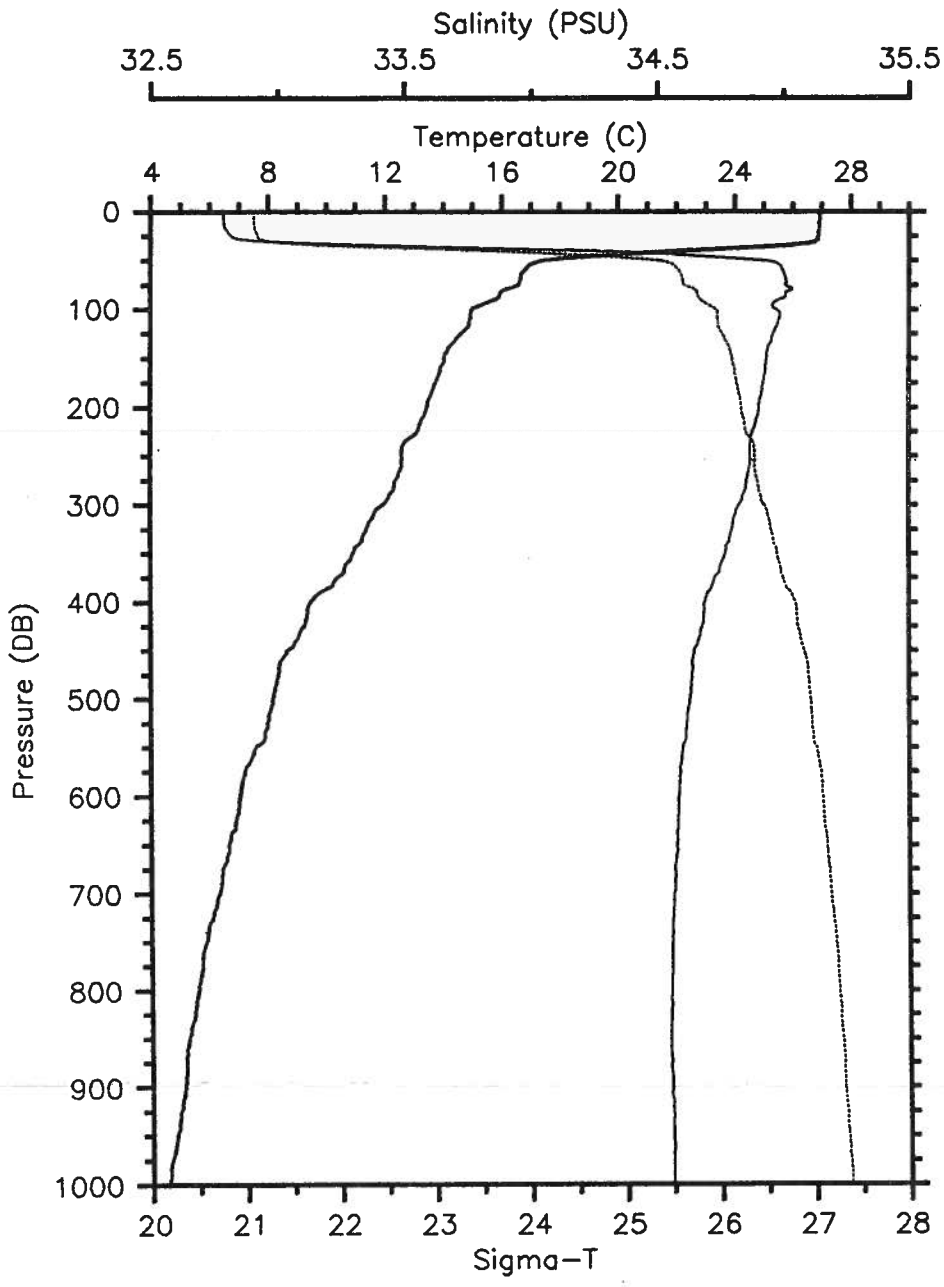


Prs	Tem	Sal	SigT
0	26.70	33.210	21.47
10	26.69	33.209	21.47
20	26.58	33.226	21.52
30	26.49	33.316	21.61
40	19.42	34.683	24.67
50	16.75	34.999	25.57
60	16.53	35.013	25.64
70	16.31	35.005	25.68
80	16.01	35.013	25.76
90	15.96	35.010	25.77
100	15.88	35.005	25.78
110	15.55	35.006	25.85
120	15.28	34.991	25.90
130	15.05	34.983	25.95
140	14.66	34.953	26.01
150	14.46	34.947	26.05
160	14.09	34.936	26.12
170	13.90	34.928	26.15
180	13.79	34.925	26.17
190	13.58	34.914	26.21
200	13.34	34.900	26.25
210	13.16	34.900	26.28
220	13.07	34.899	26.30
230	12.97	34.897	26.32
240	12.96	34.897	26.32
250	12.94	34.895	26.32
260	12.71	34.880	26.36
270	12.54	34.867	26.38
280	12.48	34.866	26.39
290	12.10	34.840	26.45
300	11.62	34.814	26.52
350	10.76	34.757	26.63
400	9.69	34.709	26.78
450	8.61	34.651	26.91
500	8.16	34.631	26.96
550	7.59	34.606	27.02
600	7.14	34.590	27.08
650	6.44	34.574	27.16
700	6.04	34.565	27.20
750	5.64	34.556	27.25
800	5.43	34.554	27.27
850	5.14	34.552	27.30
900	5.04	34.554	27.32
950	4.75	34.553	27.35
1000	4.54	34.560	27.38

EPOCS EP5-86-OC CTD 27 OCEANOGRAPHER

Date 12 11 86 Latitude 2.003 N

Time 0037 Z Longitude 85.003 W

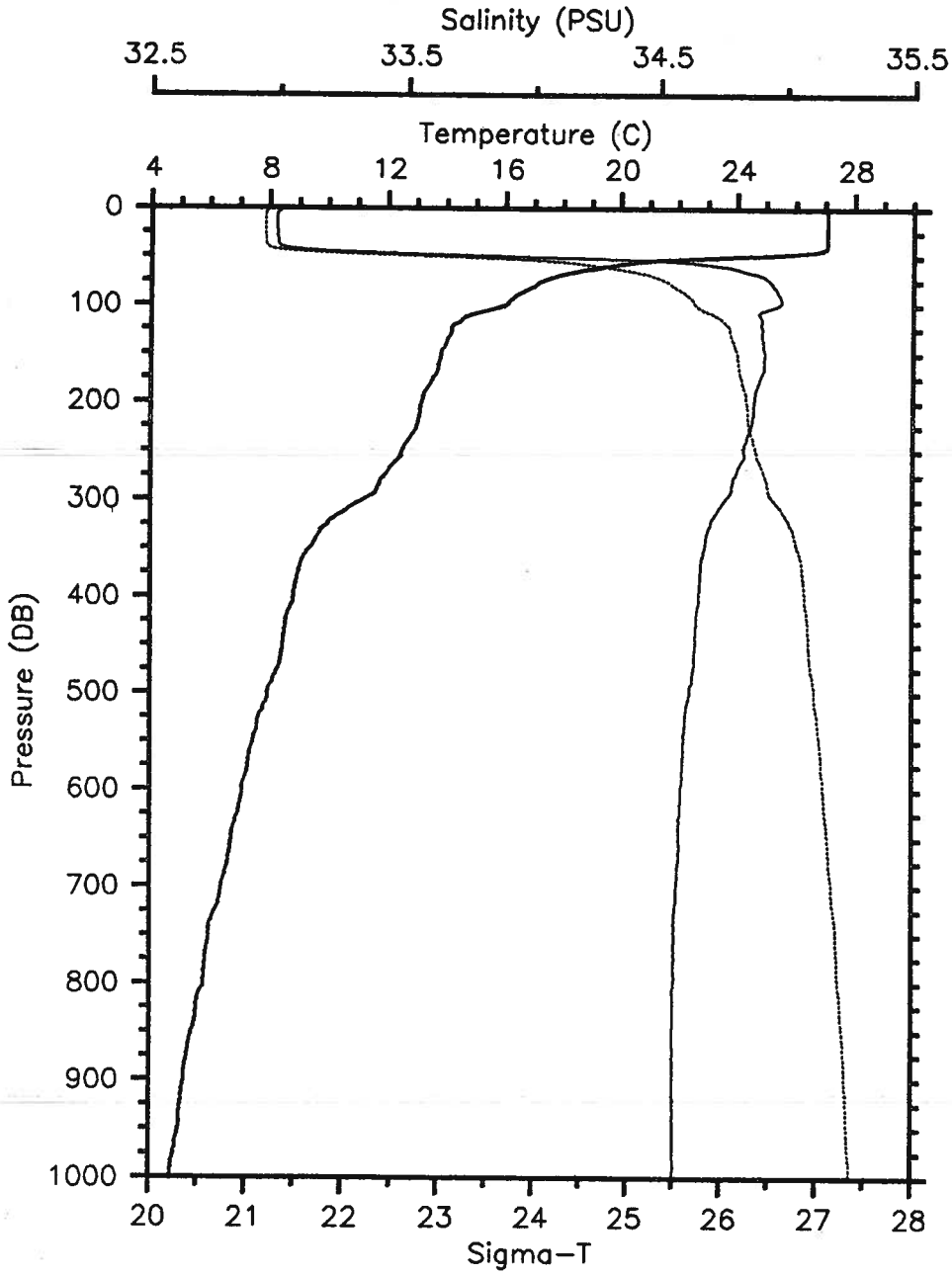


Prs	Tem	Sal	SigT
0	26.92	32.786	21.08
10	26.92	32.787	21.08
20	26.89	32.800	21.10
30	26.78	32.920	21.22
40	22.19	34.227	23.58
50	17.39	34.932	25.37
60	16.77	35.000	25.57
70	16.65	35.011	25.61
80	16.11	35.036	25.75
90	15.73	34.980	25.79
100	14.99	34.975	25.96
110	14.93	34.983	25.97
120	14.78	34.967	25.99
130	14.46	34.954	26.05
140	14.19	34.939	26.10
150	14.06	34.934	26.12
160	13.91	34.930	26.15
170	13.81	34.924	26.17
180	13.67	34.916	26.19
190	13.55	34.910	26.21
200	13.45	34.903	26.23
210	13.33	34.896	26.25
220	13.20	34.888	26.27
230	12.93	34.872	26.31
240	12.64	34.870	26.36
250	12.62	34.872	26.37
260	12.61	34.868	26.37
270	12.50	34.861	26.39
280	12.36	34.854	26.41
290	12.18	34.842	26.43
300	11.93	34.825	26.47
350	10.93	34.769	26.61
400	9.46	34.689	26.80
450	8.68	34.647	26.89
500	8.18	34.631	26.96
550	7.57	34.601	27.02
600	7.03	34.585	27.09
650	6.66	34.576	27.13
700	6.32	34.565	27.17
750	5.86	34.557	27.22
800	5.58	34.553	27.25
850	5.25	34.549	27.29
900	5.11	34.553	27.31
950	4.82	34.556	27.34
1000	4.55	34.557	27.38

EPOCS EP5-86-OC CTD 28 OCEANOGRAPHER

Date 12 11 86 Latitude 2.987 N

Time 0604 Z Longitude 85.010 W

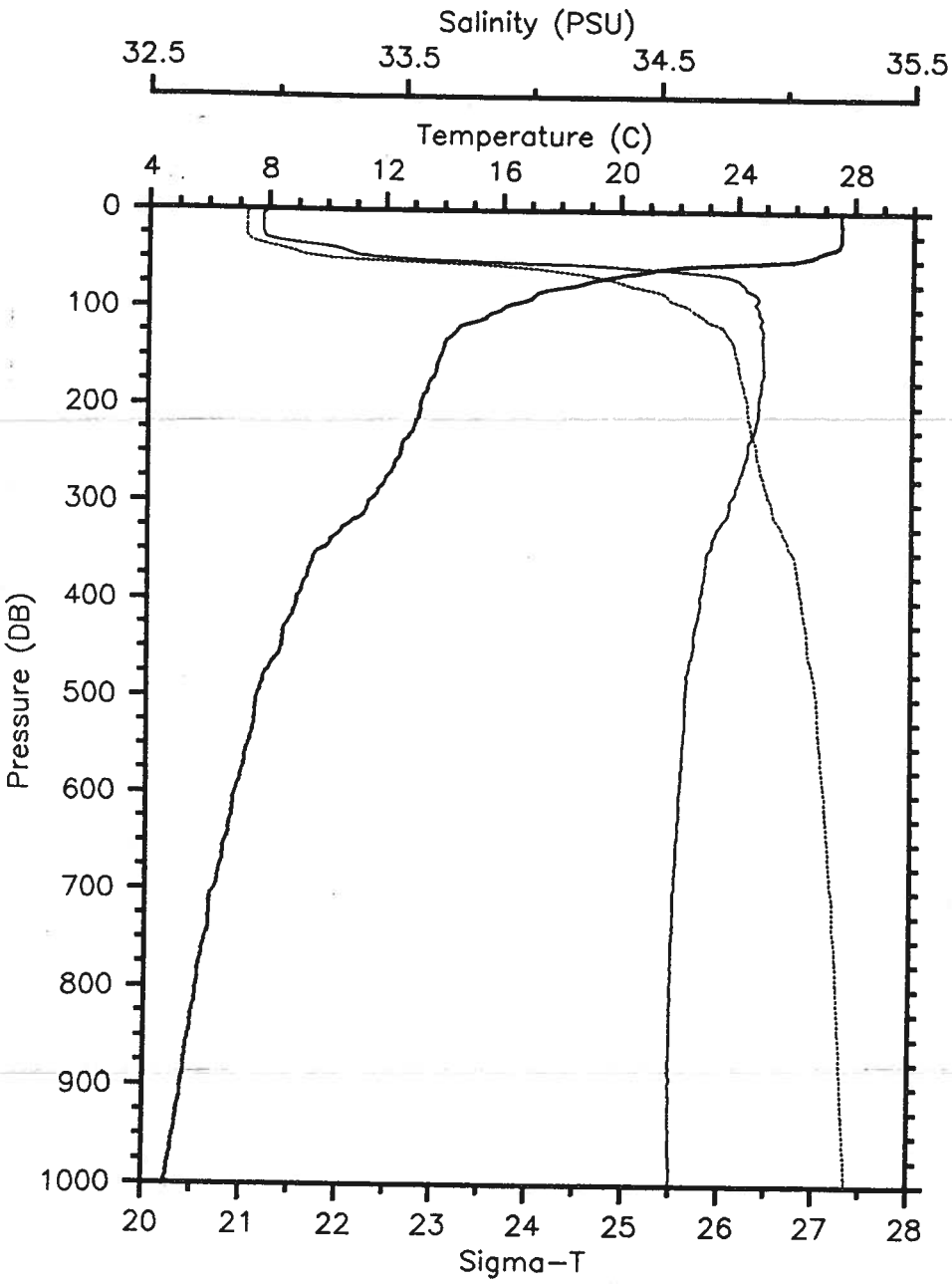


Prs	Tem	Sal	SigT
0	27.03	33.008	21.21
10	27.07	32.989	21.18
20	27.07	32.989	21.18
30	27.07	32.991	21.19
40	27.04	33.006	21.21
50	23.62	33.921	22.94
60	19.43	34.776	24.74
70	17.75	34.914	25.27
80	17.02	34.950	25.47
90	16.36	34.978	25.65
100	16.00	34.968	25.72
110	14.85	34.898	25.93
120	14.28	34.905	26.06
130	14.13	34.907	26.09
140	13.99	34.914	26.12
150	13.82	34.920	26.16
160	13.75	34.917	26.18
170	13.67	34.910	26.19
180	13.47	34.895	26.22
190	13.26	34.883	26.25
200	13.17	34.878	26.26
210	13.12	34.876	26.27
220	13.05	34.871	26.28
230	12.91	34.858	26.30
240	12.68	34.845	26.34
250	12.51	34.838	26.37
260	12.31	34.829	26.40
270	12.02	34.810	26.44
280	11.76	34.794	26.47
290	11.63	34.788	26.50
300	11.20	34.762	26.55
350	9.41	34.682	26.80
400	8.86	34.663	26.88
450	8.51	34.648	26.92
500	8.00	34.627	26.98
550	7.51	34.603	27.03
600	7.14	34.592	27.08
650	6.78	34.583	27.12
700	6.44	34.575	27.16
750	6.02	34.566	27.21
800	5.84	34.563	27.23
850	5.43	34.560	27.28
900	5.17	34.561	27.31
950	5.00	34.564	27.33
1000	4.72	34.565	27.36

EPOCS EP5-86-OC CTD 29 OCEANOGRAPHER

Date 12 11 86 Latitude 3.993 N

Time 1133 Z Longitude 84.997 W

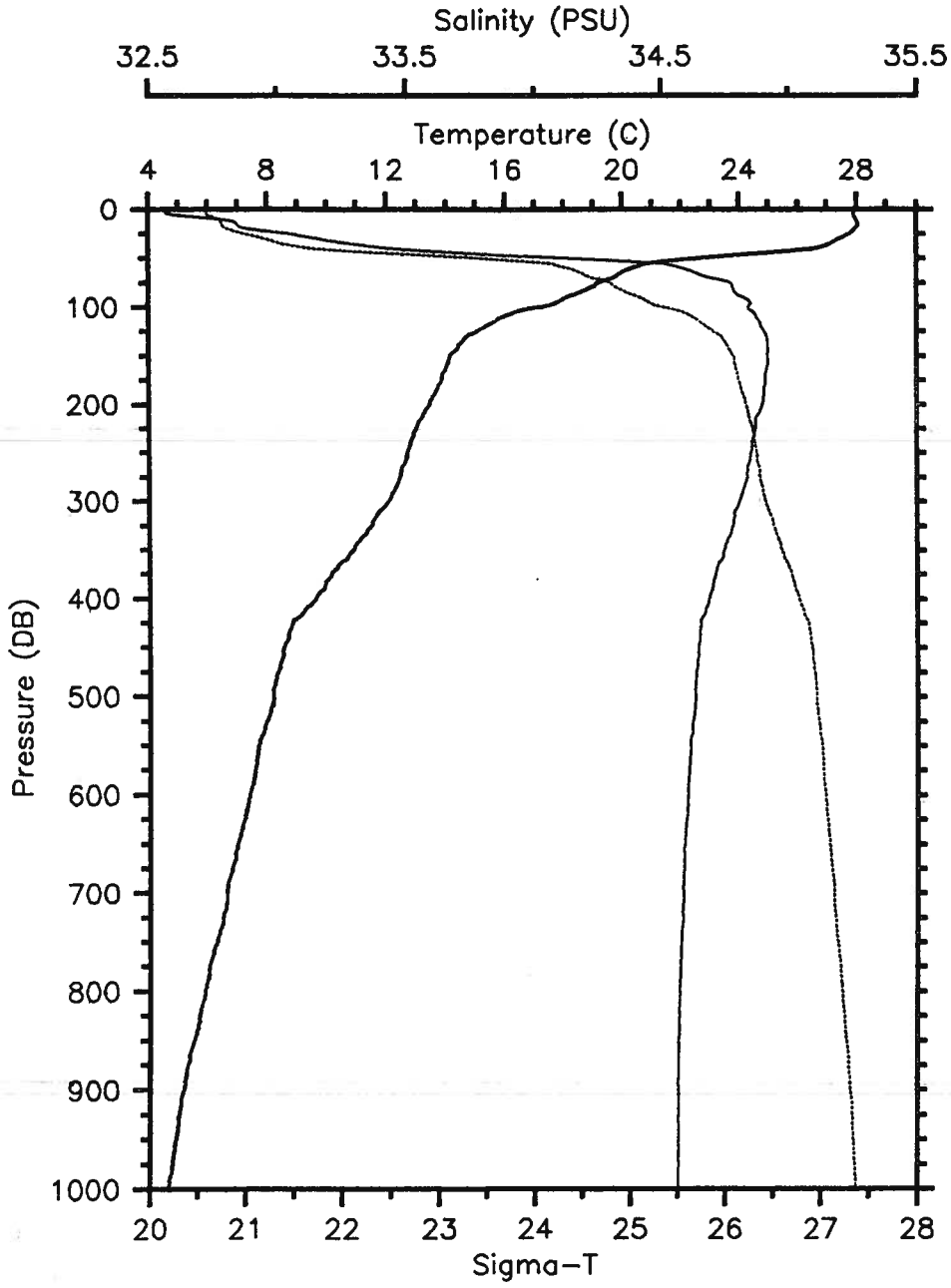


Prs	Tem	Sal	SigT
0	27.52	32.953	21.01
10	27.53	32.938	21.00
20	27.54	32.939	21.00
30	27.53	32.970	21.02
40	26.99	33.245	21.40
50	25.92	33.475	21.91
60	21.14	34.526	24.10
70	19.33	34.807	24.79
80	17.90	34.842	25.18
90	16.99	34.889	25.43
100	16.05	34.891	25.65
110	15.46	34.907	25.80
120	14.51	34.907	26.01
130	14.20	34.907	26.07
140	14.00	34.909	26.12
150	13.88	34.911	26.14
160	13.78	34.913	26.17
170	13.68	34.909	26.18
180	13.49	34.903	26.22
190	13.32	34.894	26.25
200	13.23	34.893	26.26
210	13.20	34.891	26.27
220	13.05	34.881	26.29
230	12.89	34.868	26.31
240	12.63	34.851	26.35
250	12.57	34.849	26.36
260	12.37	34.835	26.39
270	12.22	34.824	26.41
280	11.99	34.809	26.44
290	11.76	34.797	26.48
300	11.43	34.776	26.52
350	9.75	34.690	26.75
400	9.03	34.665	26.85
450	8.51	34.638	26.91
500	7.68	34.608	27.01
550	7.40	34.598	27.05
600	6.96	34.585	27.10
650	6.63	34.573	27.13
700	6.28	34.565	27.17
750	6.00	34.560	27.20
800	5.72	34.557	27.24
850	5.48	34.556	27.27
900	5.25	34.555	27.29
950	5.01	34.558	27.32
1000	4.75	34.560	27.36

EPOCS EP5-86-OC CTD 30 OCEANOGRAPHER

Date 12 11 86 Latitude 4.995 N

Time 1704 Z Longitude 84.998 W



Prs	Tem	Sal	SigT
0	27.92	32.570	20.60
10	27.99	32.772	20.72
20	27.96	32.880	20.82
30	27.42	33.165	21.20
40	26.52	33.436	21.69
50	22.65	34.110	23.36
60	20.33	34.587	24.36
70	19.70	34.698	24.61
80	18.97	34.784	24.87
90	18.10	34.828	25.12
100	17.18	34.845	25.35
110	15.95	34.877	25.66
120	15.34	34.896	25.82
130	14.71	34.917	25.97
140	14.43	34.923	26.04
150	14.14	34.922	26.10
160	14.03	34.919	26.12
170	13.89	34.911	26.14
180	13.75	34.909	26.17
190	13.58	34.906	26.20
200	13.42	34.900	26.23
210	13.24	34.883	26.25
220	13.07	34.873	26.28
230	12.92	34.869	26.31
240	12.81	34.858	26.32
250	12.71	34.854	26.34
260	12.62	34.846	26.35
270	12.49	34.839	26.37
280	12.39	34.833	26.38
290	12.22	34.821	26.41
300	12.05	34.807	26.43
350	10.88	34.747	26.60
400	9.60	34.687	26.78
450	8.53	34.645	26.92
500	8.17	34.633	26.96
550	7.68	34.612	27.02
600	7.38	34.601	27.05
650	6.97	34.588	27.10
700	6.61	34.583	27.14
750	6.28	34.574	27.18
800	5.88	34.570	27.23
850	5.50	34.565	27.27
900	5.17	34.562	27.31
950	4.89	34.563	27.34
1000	4.65	34.565	27.37