

**DATOS HIDROGRÁFICOS DE LA CAMPAÑA OCEANOGRÁFICA
PROCOMEX II: MAYO DEL 2001**

Por:

**Víctor M. Godínez
Joaquín García Córdova
José Gómez Valdés
Miguel F. Lavín
José Ma. Robles Pacheco
Rafael Ramírez Mendoza**

**Centro de Investigación Científica y de Educación Superior de Ensenada
División de Oceanología
Departamento de Oceanografía Física
Ap. Postal 2732
Ensenada, Baja California, México
22890**

CONTENIDO

	Página
Resumen	i
Lista de Tablas	ii
Lista de Figuras	iii
Lista de Participantes	iv
1. INTRODUCCIÓN	1
2. ÁREA DE ESTUDIO	2
3. INSTRUMENTACIÓN	8
3.1 Calibración del CTD	8
3.2 Adquisición de datos de CTD	10
4. PROCESAMIENTO Y PRESENTACIÓN DE DATOS DE CTD	10
5. AGRADECIMIENTOS	13
6. BIBLIOGRAFÍA	14
7. APÉNDICE A: Perfiles verticales de temperatura potencial (Θ °C), salinidad y anomalía de densidad (γ_{θ} kgm^{-3}) obtenidos con el CTD.	15

Resumen

Se documentan y se muestran los datos de 121 estaciones de CTD realizados del 30 de abril al 14 de mayo del 2001 durante la campaña oceanográfica PROCOMEX II, a bordo del Buque Oceanográfico "Francisco de Ulloa", principalmente frente a las costas de Michoacán, y también en las de Guerrero y Colima. Esta información fue recabada como parte del Proyecto de Grupo CONACyT ***Formación y perspectivas de las actividades portuarias, pesqueras y turísticas en el litoral occidental mexicano (Contrato No. G346015)***, en el cual participan investigadores del CICESE, el Colegio de México y el Colegio de Michoacán.

En este reporte se presentan, para cada estación de CTD, perfiles verticales de temperatura potencial, salinidad y densidad, además de listados de estas variables a profundidades seleccionadas. También se incluyen las variables meteorológicas medidas durante cada estación hidrográfica.

Lista de Tablas

		Página
I	Localización geográfica de las estaciones de CTD durante la campaña PROCOMEX II.	3
II	Especificaciones de los sensores del CTD Sea Bird proporcionados por el fabricante.	8
III	Experimentos de calibración para sensores de temperatura.	9
IV	Resultados de la calibración de conductividad en laboratorio.	9
V	Simbología usada en los encabezados de los perfiles verticales de CTD.	11

Lista de Figuras

		Página
1	Localización del área de estudio y posición geográfica de las estaciones planeadas originalmente.	2
2	Ubicación de las estaciones de CTD en la zona costera. La cifra indica el número secuencial del lance. La figura está desproporcionada en sus ejes para una mejor visualización de la numeración de los lances.	6
3	Ubicación de las estaciones de CTD en la zona profunda. La cifra indica el número secuencial del lance. La figura está desproporcionada en sus ejes para una mejor visualización de la numeración de los lances.	7
4	Diagrama Θ -S de todas las estaciones de CTD en la campaña PROCOMEX II.	12

Lista de Participantes

Participante	Institución	Puesto
Víctor M. Godínez Sandoval (Jefe de Campaña)	C.I.C.E.S.E.	Técnico Titular “B”
Ramón Sosa Avalos	C.I.C.E.S.E.	Estudiante de Doctorado
Elsa Aguirre Hernández	C.I.C.E.S.E.	Técnico Asociado “C”
Ignacio Romero Vargas	C.I.C.E.S.E.	Técnico Titular “A”
Hilda Leticia Ramírez Zaragoza	C.I.C.E.S.E.	Estudiante
Susana Camarillo Coop	C.I.C.I.M.A.R.	Técnico Asociado “C”
Margarita Cervantes Trujano	U.A.B.C.	Estudiante
Sergio Isem Nava Hernández	U. de COL.	Estudiante
Hector Germán Juárez Pedroza	U. de COL.	Estudiante
Armando Ledo Martell	C.I.C.E.S.E.	Técnico Asociado “B”
Juan Francisco Moreno Higareda	C.I.C.E.S.E.	Técnico Asociado “B”

1. INTRODUCCIÓN

Del 30 de abril al 14 de mayo del 2001 se realizó el crucero oceanográfico PROCOMEX II a bordo del Buque Oceanográfico "Francisco de Ulloa", principalmente frente a las costas de Michoacán, y también en las de Guerrero y Colima. Esta información fue recabada como parte del Proyecto de Grupo CONACyT *Formación y perspectivas de las actividades portuarias, pesqueras y turísticas en el litoral occidental mexicano (Contrato No. G346015)*, en el cual participan investigadores del CICESE, del Colegio de México y del Colegio de Michoacán.

El objetivo general es realizar el primer estudio del ecosistema pelágico de la plataforma continental de Michoacán. Más específicamente, se pretende documentar la oceanografía física, química y biológica de la Bahía de Petacalco y las zonas adyacentes sobre la plataforma continental. Se estudian los procesos de surgencia, la Corriente Costera de Costa Rica, y el efecto de la descarga del Río Balsas sobre la hidrografía de la Bahía de Petacalco.

Durante la campaña se hicieron estaciones con CTD, lances de botellas Niskin para nutrientes y pigmentos fotosintéticos, además de arrastres con redes Bongo para la obtención de zooplancton para conocer su distribución y abundancia. También con la información de nutrientes disueltos se realizaron experimentos de productividad primaria con ^{14}C . La información de zooplancton, nutrientes y productividad se reportará posteriormente.

En este informe se presenta únicamente la información hidrográfica, o sea los campos de distribución de temperatura, salinidad y densidad en la columna de agua. También se reportan los datos meteorológicos obtenidos en cada estación hidrográfica. Durante toda la campaña se obtuvieron de forma continua datos meteorológicos así como temperatura, salinidad y fluorimetría superficial. Los datos de corrientes obtenidos continuamente con el ADCP se reportarán separadamente.

2. ÁREA DE ESTUDIO

Los datos reportados en este trabajo fueron tomados en el Pacífico Tropical Mexicano (Figura 1), entre los 15° y 19° de latitud Norte y 101° a 106° de longitud Oeste. Los primeros lances (1 al 63) fueron realizados en la zona costera de los estados de Michoacán y Colima (Figura 2), y los restantes lances (64 al 121) se extendieron las líneas hasta 100 millas náuticas alejadas de la costa, como se muestra en la Figura 3. En la Tabla I se resume información sobre la localización geográfica, fecha de ocupación, profundidad del fondo y del lance de las estaciones de CTD.

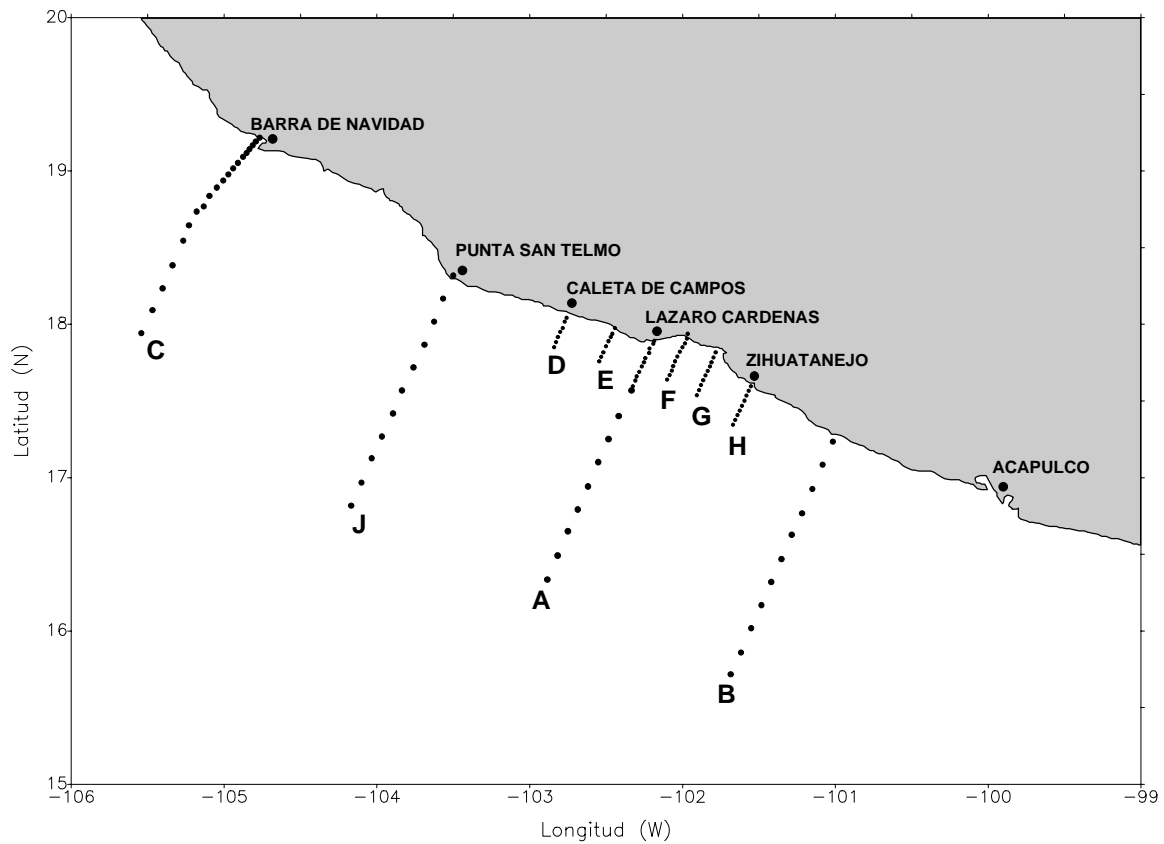


Figura 1. Localización del área de estudio y posición geográfica de las estaciones planeadas originalmente.

Tabla I.- Localización geográfica de las estaciones de CTD durante la campaña PROCOMEX II.

LANCE	ESTACION	LATITUD (N)	LONGITUD (W)	HORA (GMT)	FECHA (d/m/a)	PROFUNDIDAD (m)
1	D01	Datos Perdidos				
2	D02	18° 0.76 '	102° 46.38 '	6:50	1/5 /2001	95.5
3	D03	17° 58.42 '	102° 47.04 '	7:28	1/5 /2001	200
4	D03	17° 58.38 '	102° 47.06 '	8:52	1/5 /2001	194.8
5	D04	17° 56.79 '	102° 48.10 '	9:32	1/5 /2001	448
6	D05	17° 54.87 '	102° 48.88 '	10:18	1/5 /2001	755
7	D06	17° 52.82 '	102° 49.64 '	11:30	1/5 /2001	1163
8	D07	17° 50.90 '	102° 50.27 '	12:30	1/5 /2001	1156
9	D07	17° 50.74 '	102° 49.35 '	14:07	1/5 /2001	1329.1
10	D1P	18° 0.93 '	102° 46.21 '	15:56	1/5 /2001	93
11	E01	17° 58.53 '	102° 26.47 '	22:13	1/5 /2001	47.7
12	E02	17° 56.11 '	102° 27.15 '	22:50	1/5 /2001	76.5
13	E03	17° 55.00 '	102° 28.19 '	23:21	1/5 /2001	88.3
14	E04	17° 53.31 '	102° 29.02 '	0:04	2/5 /2001	91.5
15	E05	17° 51.41 '	102° 30.08 '	0:37	2/5 /2001	97.5
16	E06	17° 48.98 '	102° 31.05 '	1:12	2/5 /2001	199.5
17	E07	17° 47.22 '	102° 31.97 '	1:53	2/5 /2001	360.4
18	E08	17° 45.45 '	102° 32.62 '	2:34	2/5 /2001	608.4
19	A01	17° 53.46 '	102° 11.12 '	7:37	2/5 /2001	39.6
20	A02	17° 52.25 '	102° 11.51 '	8:10	2/5 /2001	110
21	A03	17° 50.46 '	102° 12.88 '	9:17	2/5 /2001	400
22	A04	17° 48.69 '	102° 13.11 '	10:35	2/5 /2001	526
23	A05	17° 46.71 '	102° 14.53 '	11:22	2/5 /2001	641.4
24	A06	17° 45.33 '	102° 15.02 '	12:14	2/5 /2001	684
25	A07	17° 43.54 '	102° 15.99 '	13:20	2/5 /2001	824.5
26	A08	17° 41.27 '	102° 16.99 '	14:20	2/5 /2001	1080.5
27	A09	17° 39.44 '	102° 17.99 '	15:17	2/5 /2001	1353.4
28	A09	17° 39.75 '	102° 17.70 '	18:41	2/5 /2001	1385
29	A10	17° 37.89 '	102° 18.53 '	19:30	2/5 /2001	1453
30	A11	17° 35.63 '	102° 19.57 '	21:09	2/5 /2001	1630
31	A12	17° 33.96 '	102° 19.96 '	22:31	2/5 /2001	1786
32	F01	17° 56.14 '	101° 57.76 '	4:21	3/5 /2001	41
33	F02	17° 54.26 '	101° 58.08 '	4:50	3/5 /2001	326.8
34	F03	17° 52.51 '	101° 59.05 '	6:10	3/5 /2001	506
35	F04	17° 50.94 '	102° 0.07 '	6:53	3/5 /2001	460.4
36	F05	17° 49.17 '	102° 1.08 '	7:30	3/5 /2001	587
37	F06	17° 47.27 '	102° 2.07 '	8:20	3/5 /2001	907
38	F07	17° 45.35 '	102° 2.98 '	9:20	3/5 /2001	1056

Continuación Tabla I						
39	F08	17° 43.58 '	102° 3.63 '	10:31	3/5 /2001	967
40	F09	17° 41.72 '	102° 4.17 '	11:25	3/5 /2001	1122
41	F10	17° 40.12 '	102° 5.16 '	12:38	3/5 /2001	1052
42	F11	17° 38.34 '	102° 5.99 '	13:43	3/5 /2001	1096
43	F08	17° 43.63 '	102° 3.64 '	15:58	3/5 /2001	966.6
44	G01	17° 48.92 '	101° 46.90 '	22:15	3/5 /2001	33
45	G02	17° 46.95 '	101° 47.83 '	22:50	3/5 /2001	85
46	G03	17° 45.05 '	101° 48.53 '	23:29	3/5 /2001	329
47	G04	17° 43.12 '	101° 49.19 '	0:37	4/5 /2001	618
48	G05	17° 41.68 '	101° 50.53 '	1:27	4/5 /2001	936
49	G06	17° 40.09 '	101° 51.06 '	2:27	4/5 /2001	1124
50	G07	17° 38.15 '	101° 51.80 '	3:39	4/5 /2001	1340
51	G08	17° 36.22 '	101° 52.69 '	5:02	4/5 /2001	1587.1
52	G09	17° 34.17 '	101° 53.56 '	6:35	4/5 /2001	1630
53	G09	Datos Perdidos				
54	G10	17° 32.15 '	101° 54.41 '	8:17	4/5 /2001	1695
55	H01	17° 35.72 '	101° 33.05 '	15:17	4/5 /2001	45.5
56	H02	17° 33.84 '	101° 34.07 '	16:40	4/5 /2001	83
57	H03	17° 32.13 '	101° 34.99 '	19:04	4/5 /2001	125
58	H04	17° 29.93 '	101° 35.71 '	20:09	4/5 /2001	685
59	H05	17° 28.03 '	101° 36.62 '	21:03	4/5 /2001	792
60	H06	17° 26.15 '	101° 37.54 '	21:56	4/5 /2001	1067
61	H07	17° 24.41 '	101° 38.48 '	23:05	4/5 /2001	1536
62	H08	17° 22.57 '	101° 39.35 '	0:20	5/5 /2001	1549.9
63	H09	17° 20.64 '	101° 40.18 '	1:50	5/5 /2001	1693
64	B01	17° 13.94 '	101° 0.95 '	11:00	5/5 /2001	52
65	B02	17° 4.87 '	101° 5.13 '	12:42	5/5 /2001	1647
66	B03	16° 55.47 '	101° 8.99 '	15:38	5/5 /2001	2954.7
67	B04	16° 45.94 '	101° 13.04 '	21:29	5/5 /2001	3023
68	B05	16° 37.44 '	101° 17.01 '	0:10	6/5 /2001	4418
69	B06	16° 27.94 '	101° 20.95 '	3:51	6/5 /2001	3750.4
70	B07	16° 18.91 '	101° 25.00 '	6:09	6/5 /2001	3478
71	B08	16° 9.97 '	101° 28.99 '	8:26	6/5 /2001	3677
72	B09	16° 0.85 '	101° 33.11 '	11:32	6/5 /2001	3336
73	B10	15° 51.42 '	101° 37.06 '	13:49	6/5 /2001	3402
74	B11	15° 42.98 '	101° 40.93 '	16:01	6/5 /2001	3451.1
75	A01	17° 53.52 '	102° 10.96 '	20:52	7/5 /2001	23.6
76	A03	17° 50.47 '	102° 12.87 '	21:35	7/5 /2001	375
77	A05	17° 46.76 '	102° 14.44 '	22:23	7/5 /2001	632
78	A07	17° 43.52 '	102° 15.99 '	23:26	7/5 /2001	825
79	A09	17° 39.45 '	102° 18.01 '	0:35	8/5 /2001	1352
80	A11	17° 35.66 '	102° 19.53 '	1:59	8/5 /2001	1609
81	A13	17° 23.96 '	102° 25.00 '	4:37	8/5 /2001	2405.2
82	A14	17° 15.01 '	102° 29.01 '	7:25	8/5 /2001	3563

Continuación Tabla I						
83	A15	17° 5.98 '	102° 32.59 '	10:41	8/5 /2001	4024
84	A16	16° 56.53 '	102° 36.93 '	13:15	8/5 /2001	4035
85	A17	16° 46.48 '	102° 41.31 '	17:00	8/5 /2001	4031.7
86	A18	16° 38.92 '	102° 44.87 '	20:11	8/5 /2001	2882
87	A19	16° 29.45 '	102° 48.93 '	23:20	8/5 /2001	3410
88	A20	16° 20.04 '	102° 53.00 '	2:21	9/5 /2001	3396.9
89	I01	17° 46.19 '	103° 21.38 '	17:26	9/5 /2001	3029.6
90	J01	18° 15.05 '	103° 31.50 '	23:27	9/5 /2001	395
91	J02	18° 10.03 '	103° 34.06 '	0:44	10/5 /2001	665
92	J03	18° 0.98 '	103° 37.51 '	3:00	10/5 /2001	1385.4
93	J04	17° 52.02 '	103° 41.16 '	5:04	10/5 /2001	1603.6
94	J05	17° 42.93 '	103° 45.51 '	7:19	10/5 /2001	4423
95	J06	17° 33.89 '	103° 50.03 '	13:35	10/5 /2001	4800
96	J07	17° 24.94 '	103° 57.79 '	17:02	10/5 /2001	3059.5
97	J08	17° 15.97 '	103° 58.00 '	20:36	10/5 /2001	4011
98	J09	17° 7.53 '	104° 2.01 '	0:01	11/5 /2001	2835
99	J10	16° 58.02 '	104° 5.98 '	2:49	11/5 /2001	2716.3
100	J11	16° 49.07 '	104° 10.01 '	5:36	11/5 /2001	2547.8
101	K01	17° 31.11 '	105° 0.60 '	17:13	11/5 /2001	2951
102	C20	17° 56.43 '	105° 32.48 '	0:47	12/5 /2001	2956
103	C19	18° 5.54 '	105° 28.03 '	3:41	12/5 /2001	2584
104	C18	18° 14.05 '	105° 24.02 '	6:27	12/5 /2001	3331
105	C17	18° 22.94 '	105° 20.11 '	10:30	12/5 /2001	2552.8
106	C16	18° 32.44 '	105° 15.96 '	13:31	12/5 /2001	3107.9
107	C15	18° 39.17 '	105° 13.34 '	16:58	12/5 /2001	3362.6
108	C14	18° 44.05 '	105° 10.63 '	20:06	12/5 /2001	4101.4
109	C13	18° 46.08 '	105° 8.00 '	22:22	12/5 /2001	4553
110	C12	18° 50.20 '	105° 5.52 '	0:44	13/5 /2001	4071.1
111	C11	18° 53.34 '	105° 2.80 '	3:30	13/5 /2001	2676.3
112	C10	18° 56.21 '	105° 0.34 '	5:30	13/5 /2001	1942.3
113	C09	18° 58.61 '	104° 58.30 '	7:14	13/5 /2001	1415
114	C08	19° 0.98 '	104° 56.44 '	9:07	13/5 /2001	1013
115	C07	19° 3.11 '	104° 54.50 '	10:24	13/5 /2001	750
116	C06	19° 5.53 '	104° 52.46 '	11:43	13/5 /2001	707
117	C05	19° 6.96 '	104° 51.17 '	13:14	13/5 /2001	452
118	C04	19° 8.49 '	104° 50.06 '	14:10	13/5 /2001	317
119	C03	19° 09.96 '	104° 48.72 '	14:50	13/5 /2001	181.8
120	C02	19° 11.57 '	104° 47.39 '	16:04	13/5 /2001	78.9
121	C01	19° 12.95 '	104° 46.05 '	16:34	13/5 /2001	50.5

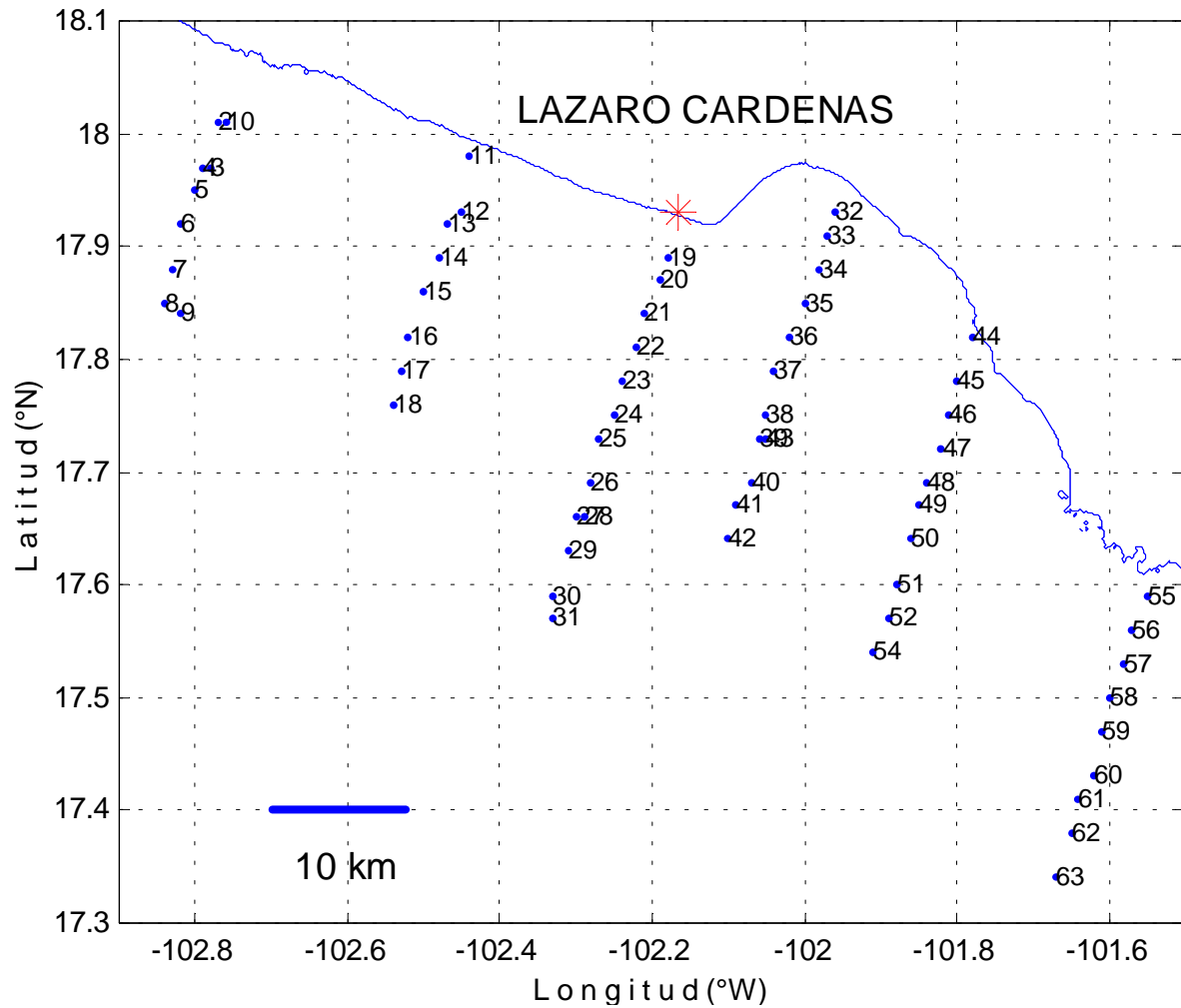


Figura 2. Ubicación de las estaciones de CTD en la zona costera. La cifra indica el número secuencial del lance. La figura está desproporcionada en sus ejes para una mejor visualización de la numeración de los lances.

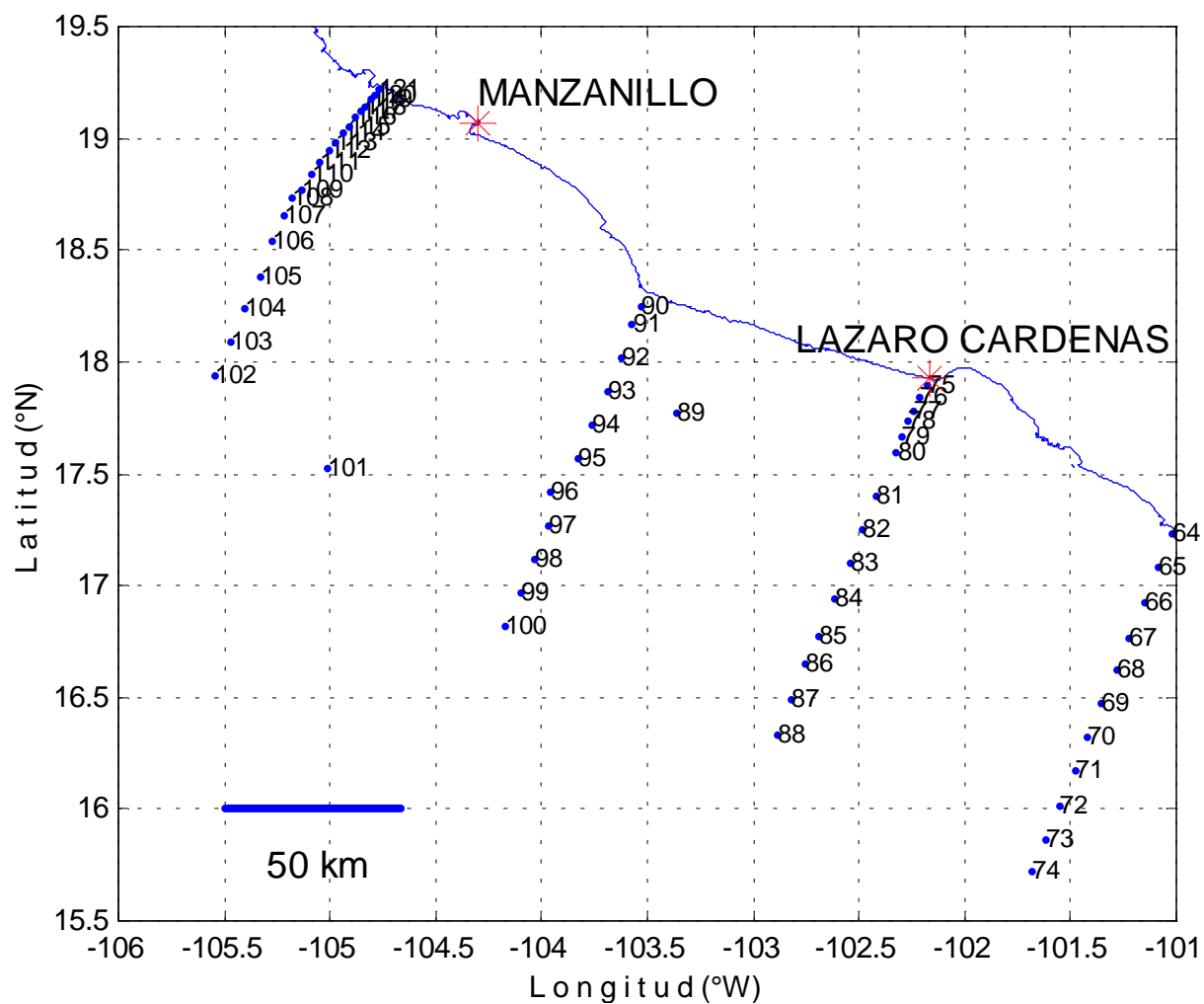


Figura 3. Ubicación de las estaciones de CTD en la zona profunda. La cifra indica el número secuencial del lance. La figura está desproporcionada en sus ejes para una mejor visualización de la numeración de los lances.

3. INSTRUMENTACIÓN

3.1 Calibración del CTD

El CTD *SBE-911 plus* fabricado por Sea-Bird Electronics Inc. consta de una unidad submarina y una unidad de control en cubierta comunicados por medio de un cable conductor en el malacate del CTD. La unidad de control permite además de la comunicación, control y monitoreo del lance. El CTD tiene las siguientes especificaciones de fábrica (Tabla II).

Tabla II. Especificaciones de los sensores del CTD Sea Bird proporcionados por el fabricante.

PARÁMETRO	RANGO	PRECISIÓN	RESOLUCIÓN	ESTABILIDAD
Conductividad [mmho/cm]	0-70	0.003	0.0004	0.002
Temperatura [°C]	-5 a 35	0.002	0.0002	0.0003
Presión [psia]	0-15000 Dependiendo de la caja	0.015% de la escala completa	0.001% de la escala completa	0.0015% de la escala completa

Los sensores del CTD fueron calibrados en los laboratorios de Sea-Bird Electronics Inc. en abril del 2000. La tabla III muestra los resultados de sumergir los sensores de temperatura y conductividad en un baño de temperatura variable. El sensor de presión es calibrado con un pistón estándar del tipo de Ruska modelo 2485 (García *et al.*, 1995). Las frecuencias de salida de los sensores son usadas para tabular los coeficientes de calibración para las ecuaciones de conversión a unidades del Sistema Internacional de Unidades en Oceanografía (Unesco, 1985).

Tabla III. Experimentos de calibración para sensores de temperatura.

Temperatura Estándar [°C]	CTD [°C]	Residual [°C]
-1.40431	-1.40430	-0.00001
1.10414	1.10410	0.00004
4.59810	4.59810	0.00000
8.19590	8.19597	-0.00007
11.62940	11.62941	-0.00001
15.18696	15.18690	0.00006
18.69092	18.69090	0.00002
22.18950	22.18951	-0.00001
25.74990	25.74993	-0.00003
29.16480	29.16484	-0.00004
32.69843	32.69840	0.00003

Los sensores de conductividad del CTD también fueron comparados en laboratorio contra sus estándares, mediante 2 experimentos variando la temperatura y la salinidad, los resultados se muestran en la tabla IV.

Tabla IV. Resultados de la calibración de conductividad en laboratorio.

Temperatura Estándar [°C]	Salinidad Estándar	Conductividad Estándar [S/m]	CTD [S/m]	Residual [S/m]
0.0000	0.0000	0.00000	-0.00000	-0.00000
-1.3049	34.9335	2.78729	2.78730	0.00001
1.1514	34.9337	2.99818	2.99819	0.00001
15.2816	34.9339	4.31182	4.31178	-0.00004
18.7516	34.9339	4.65713	4.65712	-0.00001
29.1408	34.9333	5.73354	5.73364	0.00000
32.6919	34.9309	6.11357	6.11350	-0.00007

3.2 Adquisición de datos de CTD

Los datos provenientes del CTD en forma de frecuencias y con una razón de muestreo de 24 Hz, fueron convertidos en datos digitales por la unidad de grabación *SBE-11 plus*, la cual simultáneamente envía los datos digitalizados a una computadora personal donde son almacenados en el disco duro a la vez que son desplegados en forma gráfica. El único procesamiento en tiempo real es el submuestreo de datos crudos que son desplegados en la pantalla de la computadora para el monitoreo del lance.

4. PROCESAMIENTO Y PRESENTACIÓN DE DATOS DE CTD

El procesamiento de datos de CTD tiene como objetivo producir perfiles limpios de toda clase de errores (ruido y "spikes"); es realizado con las utilerías proporcionadas por el fabricante. Como primer paso, se identificaron y eliminaron datos con diferencias mayores a dos desviaciones estándar entre 48 datos sucesivos (2 segundos) de presión, temperatura y conductividad, esto se realiza con el módulo WILDEDIT. Después es necesario corregir el desfase de tiempo entre las señales de los sensores de temperatura y conductividad, el cual ocurre, debido a la posición que tienen los sensores en el ducto de bombeo de agua. Dicha corrección se realiza con el módulo ALIGNCTD. Si esto no se corrige, se obtienen saltos ("spikes") en el cálculo de la salinidad en las zonas de fuerte gradiente térmico. De acuerdo con el esquema desarrollado por Bray (1987), cuando se tiene una temperatura combinada a partir de los sensores de temperatura rápida y lenta, basta con desfazar en 8 registros la señal de conductividad y la señal de temperatura. Sin embargo, la autora concluye que este esquema de desfase puede ser omitido si los datos a 1 ó 2 db han sido promediados de datos adquiridos por más de 1 segundo. Posteriormente se necesita reducir el ruido de alta frecuencia que presentan los sensores de presión y conductividad mediante la aplicación de un filtro recursivo de paso bajo con una constante de tiempo de 0.20 s y 0.045 s para los sensores anteriormente mencionados. Esto se realiza con el módulo FILTER. Después se necesita realizar un ajuste por el flujo del agua a través del ducto, lo cual produce anomalías térmicas en la celda de conductividad, sobre todo cuando el CTD pasa por gradientes de temperatura importantes. Se usa el módulo CELLTM para corregir esta anomalía, y se requieren de dos parámetros (α y τ) para minimizar las diferencias de salinidad entre el perfil de bajada y el perfil de subida, se utilizaron los valores recomendados por el fabricante

(García *et al.*, 1999). Por última corrección se utiliza el módulo LOOPEDIT para corregir el error producido por el movimiento irregular del barco al descender o ascender el CTD.

Después de aplicar estos módulos, se tiene un perfil limpio que puede promediarse y calcular las diferentes variables oceanográficas de interés (UNESCO, 1988). Para calcular salinidad se usaron los algoritmos de Fofonoff y Millard (1983) y tomando en cuenta la recomendación de la UNESCO (1991) se reporta la anomalía de densidad (γ_{θ} kgm^{-3}) en substitución de σ_t .

En el apéndice A se presentan los datos de CTD en forma de perfiles verticales de temperatura potencial (Θ), salinidad y anomalía de densidad (γ_{θ}), junto con un listado discretizado a profundidades seleccionadas y las variables meteorológicas obtenidas durante la estación. La simbología de los encabezados se da en la Tabla V. Cuando una variable no fue medida se reporta con 99.9, en el caso de la nubosidad con 9.

Tabla V. Simbología usada en los encabezados de los perfiles verticales de CTD.

ESTACIÓN	Nombre de la Estación
LANCE	Número de Lance
LATITUD	Posición geográfica ($^{\circ}\text{N}$)
LONGITUD	Posición geográfica ($^{\circ}\text{W}$)
DD/MM/AA	Fecha en día/mes/año
H	Tiempo universal (GMT)
PROFTOT	Profundidad del fondo (m)
TEMSUP	Temperatura de superficie [$^{\circ}\text{C}$]
SALSUP	Salinidad superficial
TEBUHU	Temperatura de bulbo húmedo [$^{\circ}\text{C}$]
TEBUSE	Temperatura de bulbo seco [$^{\circ}\text{C}$]
V-MAG	Rapidez del viento[m/s]
DIR	Dirección del viento [azimut]
NUBES	Nubosidad [octas]
BAROM	Presión atmosférica [mb]
PR	Presión de CTD [db]
Θ	Temperatura potencial de CTD [$^{\circ}\text{C}$]
SA	Salinidad de CTD
γ_{θ}	Densidad -1000 [kg/m^3]

En la Figura 4 se presenta un diagrama Θ -S de todos los lances de CTD, como seguimiento de la calidad de los datos. En esta figura se identifican las diferentes masas de agua presentes en el Pacífico Oriental Mexicano como algunas indicadas por Badan (1997), sin embargo, es necesario realizar un análisis de masas de agua separadamente y utilizando la nueva información que esté disponible.

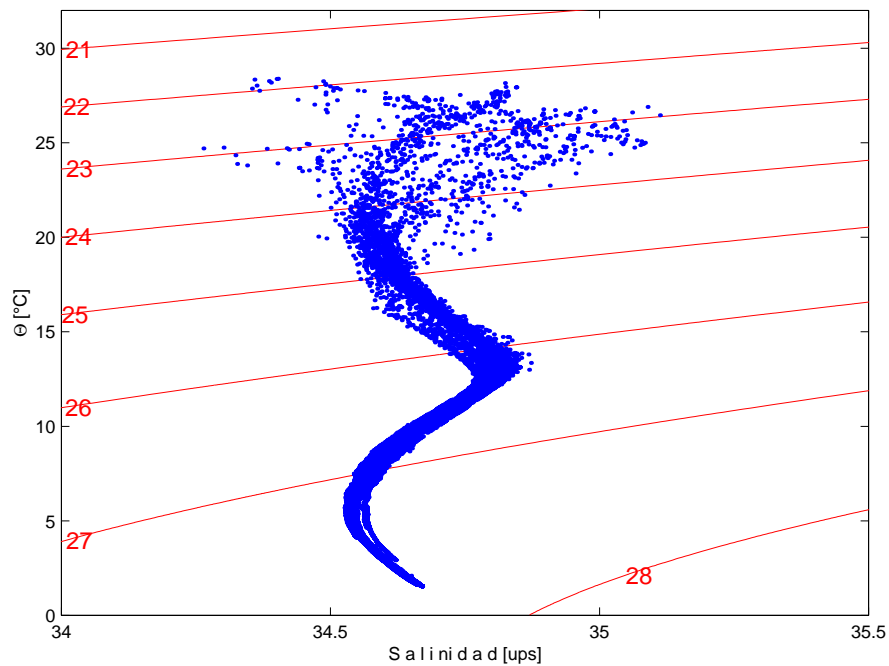


Figura 4. Diagrama Θ -S de todas las estaciones de CTD en la campaña PROCOMEX II.

5 AGRADECIMIENTOS

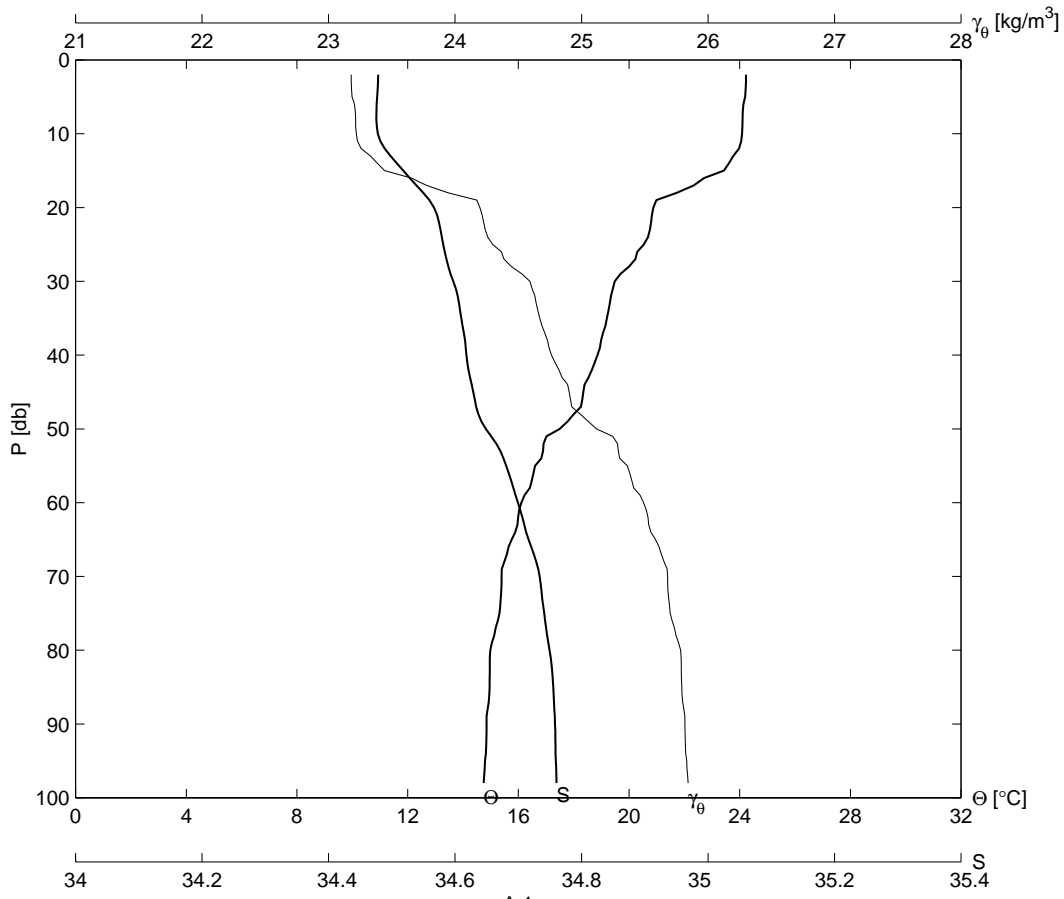
Este trabajo es un producto del Proyecto de Grupo CONACyT *Formación y perspectivas de las actividades portuarias, pesqueras y turísticas en el litoral occidental mexicano (Contrato No. G346015)*. Se obtuvo apoyo adicional del Centro de Investigación Científica y Educación Superior de Ensenada. Se brinda un reconocimiento especial al personal del Departamento de Oceanografía Física del CICESE, en especial al Ing. Armando Ledo M. y al Sr. Juan Francisco Moreno H. por la ayuda durante la campaña de mediciones. Así mismo al Capitán del B/O Francisco de Ulloa, Alejandro Tirado y a su tripulación por la exitosa campaña de mediciones. Al Jefe operacional del buque José Ma. Robles y a Julieta Castro Sandoval por su valiosa ayuda anterior al crucero.

6 BIBLIOGRAFÍA

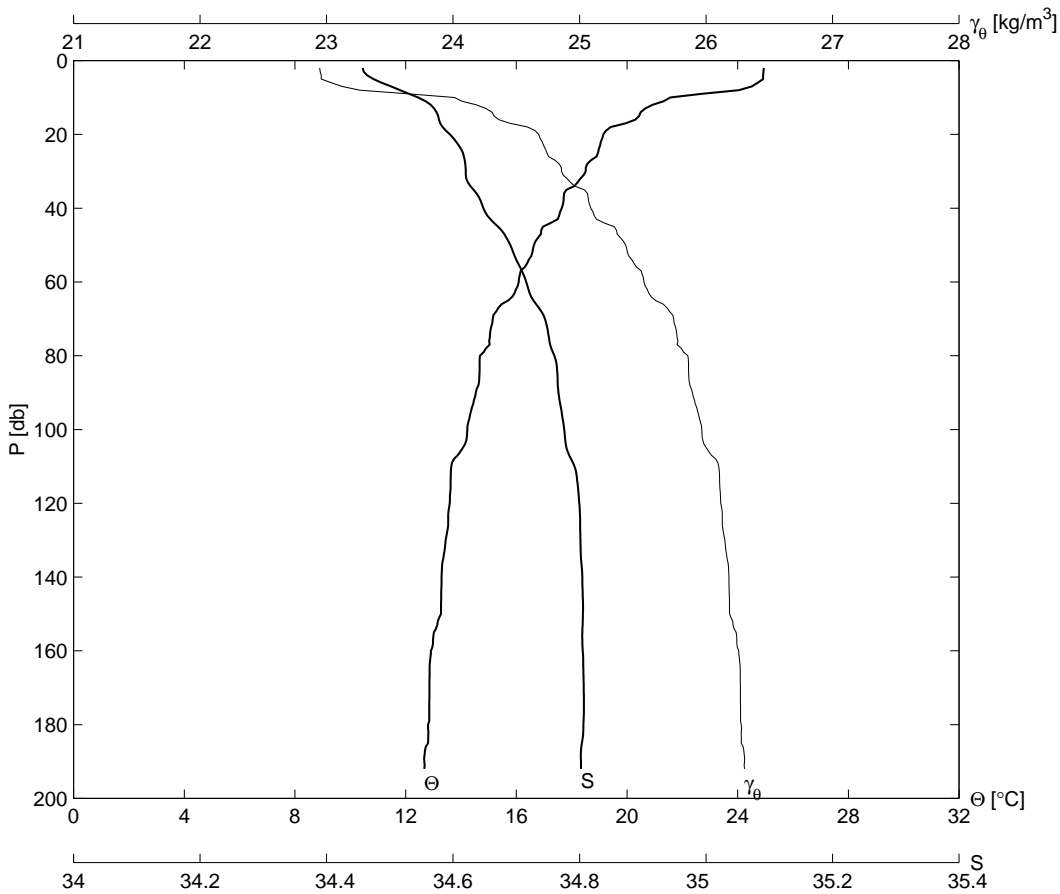
- Badan, Antonio. La corriente costera de Costa Rica en el Pacífico Mexicano. en M.F. Lavín, editor, Contribuciones a la Oceanografía Física en México, Monografía No. 3, Unión Geofísica Mexicana. pp 99-112. 1997.
- Bray, N. A. Salinity calculation techniques for separately digitized fast response and platinum resistance CTD temperature sensors. *Deep-Sea Research*. 34(4). pp 627-632. 1987.
- Fofonoff, N. P., and R. C. Millard. Algorithms for computation of fundamental properties of seawater. UNESCO Technical Papers in Marine Science, 44. 53 pp. 1983.
- García C. Joaquín. José Ma. Robles y Carlos F. Flores Cabrera. Datos de CTD obtenidos en la Bahía de Todos Santos, B.C. Campaña BATOS 4. B/O Francisco de Ulloa. Marzo 22-24 de 1994. Informe Técnico CTOFT9506. Comunicaciones Académicas. Serie Oceanografía Física, CICESE. 75 pp. 1995.
- García C. Joaquín. Reginaldo Durazo A., Timothy Baumgartner M. y Bertha Lavaniegos E. Hidrografía en la zona sureña del sistema de la corriente de California. Campaña IMECOCAL 9809/10. B/O Francisco de Ulloa. Septiembre 28-Noviembre 1° de 1998. Informe Técnico CTEC9903. Comunicaciones Académicas. Serie Ecología, CICESE. 112 pp. 1999.
- UNESCO. The international system of units (SI) in oceanography. Unesco technical papers in marine science. No 45. 124 pp. 1985
- UNESCO. The acquisition, calibration, and analysis of CTD data. Unesco technical papers in marine science. No 54. 94 pp. 1988
- UNESCO. Processing of oceanographic station data. Unesco technical papers in marine science. 138 pp. 1991

APÉNDICE A: Perfiles verticales de temperatura potencial (Θ °C),
salinidad y anomalía de densidad (γ_{θ} kgm⁻³) obtenidos con el CTD

ESTACION	LANCE	LATITUD		LONGITUD		DD	MM	AA	H[GMT]
D02	2	18	0.8	102	46.4	1	5	2001	650
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
95.5	24.5	99.90	21.0	23.5	6.4	11	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	24.229	34.479	23.179	99.900	40.0	18.861	34.615	24.762	99.900
5.0	24.198	34.476	23.186	99.900	50.0	17.494	34.640	25.119	99.900
10.0	24.086	34.476	23.219	99.900	60.0	16.111	34.699	25.491	99.900
15.0	23.432	34.516	23.442	99.900	70.0	15.397	34.735	25.680	99.900
20.0	20.882	34.567	24.197	99.900	80.0	14.987	34.751	25.783	99.900
25.0	20.535	34.577	24.297	99.900	90.0	14.855	34.758	25.817	99.900
30.0	19.484	34.601	24.592	99.900	98.0	14.751	34.761	25.842	99.900

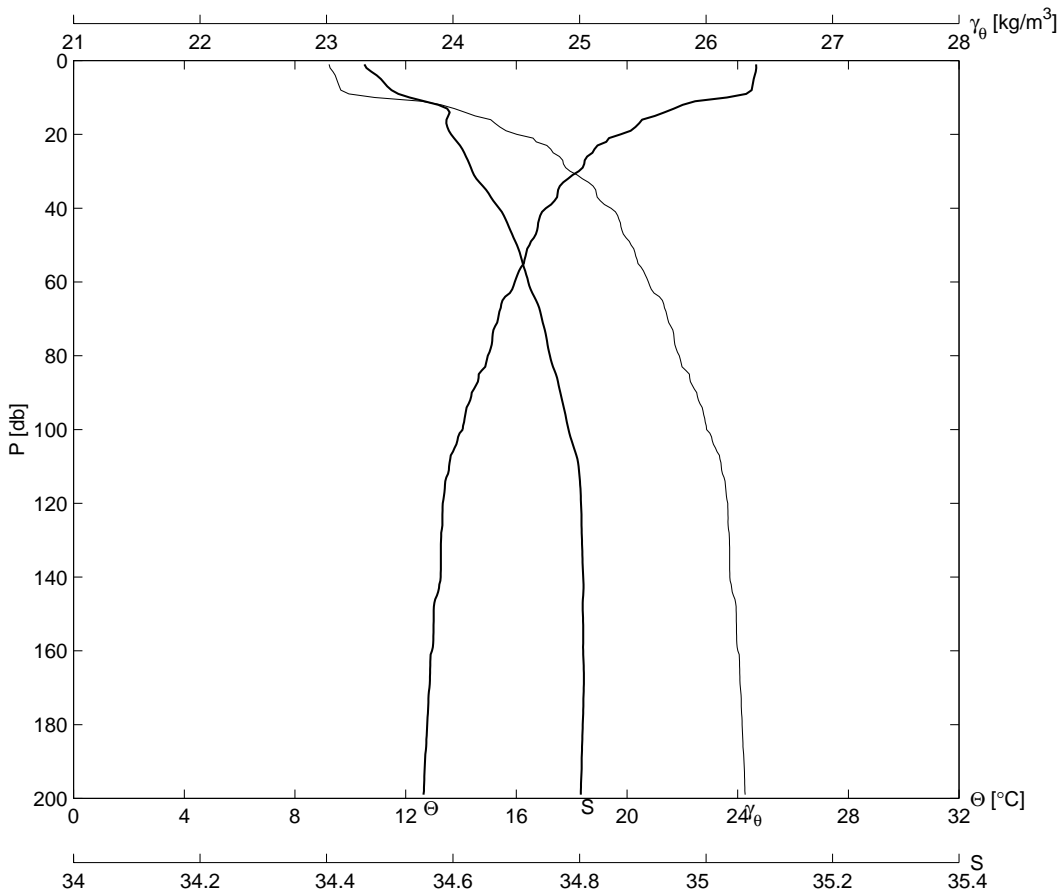


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
D03	3	17 58.4	102 47.0	1	5	2001	728		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
200.0	25.2	99.90	23.0	24.5	9.9	269	9	1018.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	24.946	34.456	22.946	99.900	60.0	16.086	34.716	25.510	99.900
5.0	24.917	34.460	22.958	99.900	70.0	15.149	34.746	25.744	99.900
10.0	21.565	34.569	24.011	99.900	80.0	14.688	34.762	25.856	99.900
15.0	20.440	34.578	24.323	99.900	90.0	14.538	34.767	25.893	99.900
20.0	19.145	34.597	24.676	99.900	100.0	14.227	34.776	25.966	99.900
25.0	18.954	34.618	24.741	99.900	120.0	13.593	34.800	26.117	99.900
30.0	18.509	34.623	24.857	99.900	140.0	13.301	34.804	26.181	99.900
40.0	17.638	34.647	25.090	99.900	160.0	12.919	34.806	26.259	99.900
50.0	16.634	34.692	25.364	99.900	180.0	12.813	34.804	26.279	99.900
192.0	12.677	34.802	26.304	99.900					



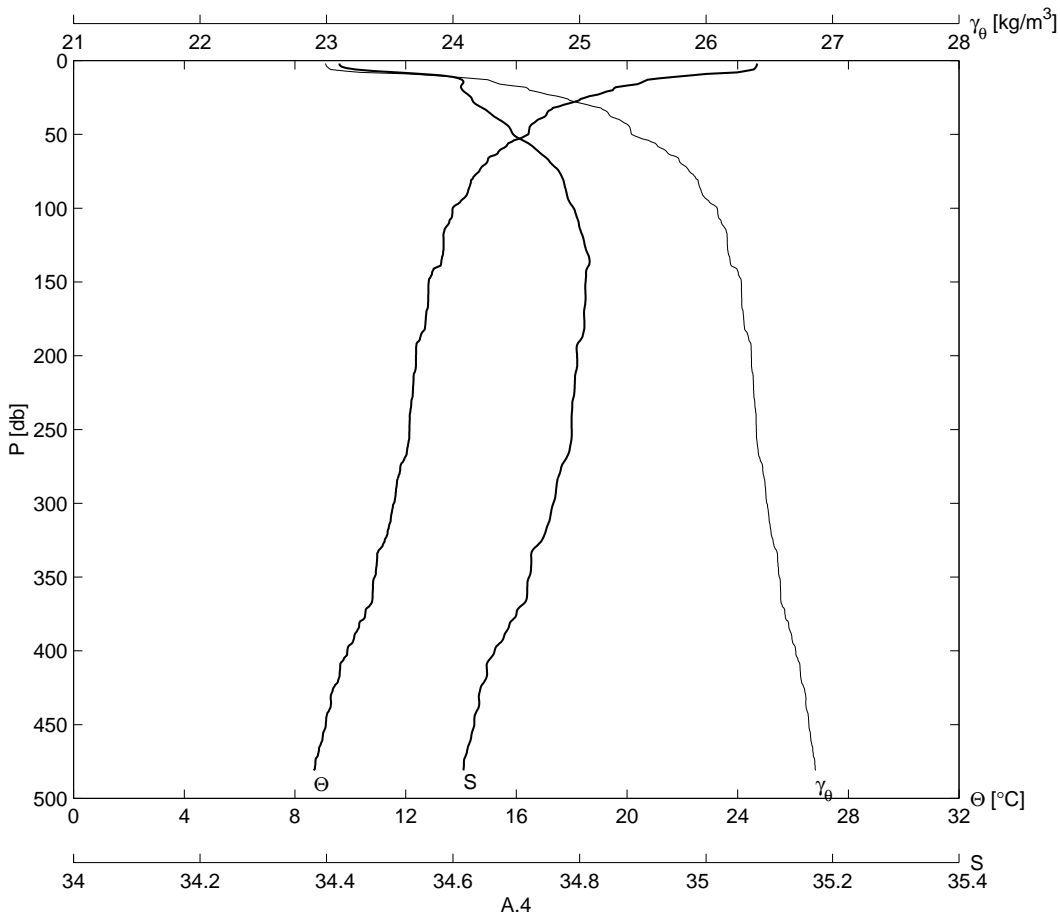
A.2

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
D03	4	17 58.4	102 47.1	1	5	2001	852		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
194.8	25.0	99.90	23.0	24.5	0.0	0	9	1017.0	
PR	Θ	SA	γ_{θ}	OX	PR	Θ	SA	γ_{θ}	OX
[db]	[$^{\circ}\text{C}$]		[kg/m^3]	[ml/l]	[db]	[$^{\circ}\text{C}$]		[kg/m^3]	[ml/l]
2.0	24.671	34.453	23.027	99.900	60.0	15.944	34.719	25.544	99.900
5.0	24.581	34.486	23.079	99.900	70.0	15.340	34.741	25.697	99.900
10.0	23.610	34.504	23.380	99.900	80.0	14.971	34.753	25.788	99.900
15.0	21.005	34.582	24.174	99.900	90.0	14.392	34.770	25.927	99.900
20.0	19.771	34.584	24.504	99.900	100.0	14.065	34.782	26.005	99.900
25.0	18.749	34.617	24.792	99.900	120.0	13.340	34.803	26.171	99.900
30.0	18.256	34.629	24.925	99.900	140.0	13.270	34.806	26.188	99.900
40.0	17.067	34.675	25.249	99.900	160.0	12.954	34.805	26.251	99.900
50.0	16.474	34.701	25.408	99.900	180.0	12.783	34.805	26.285	99.900
199.0	12.646	34.801	26.309	99.900					

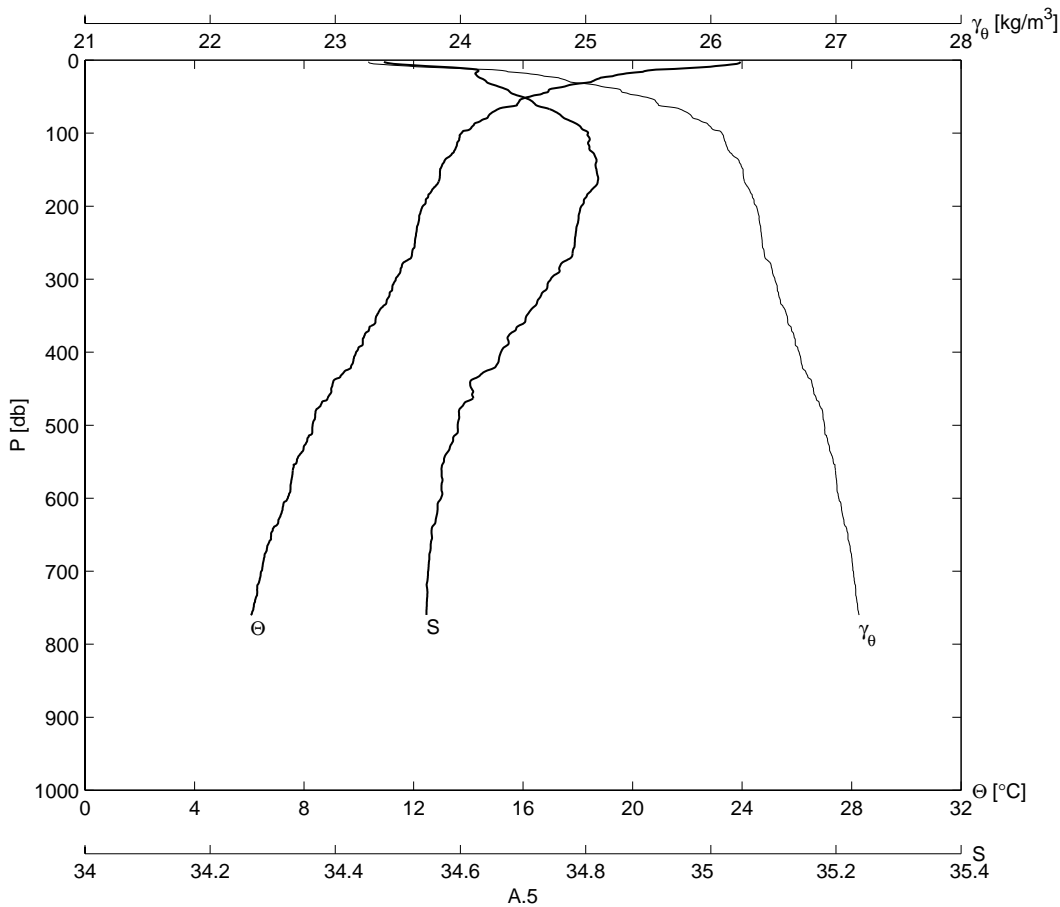


A.3

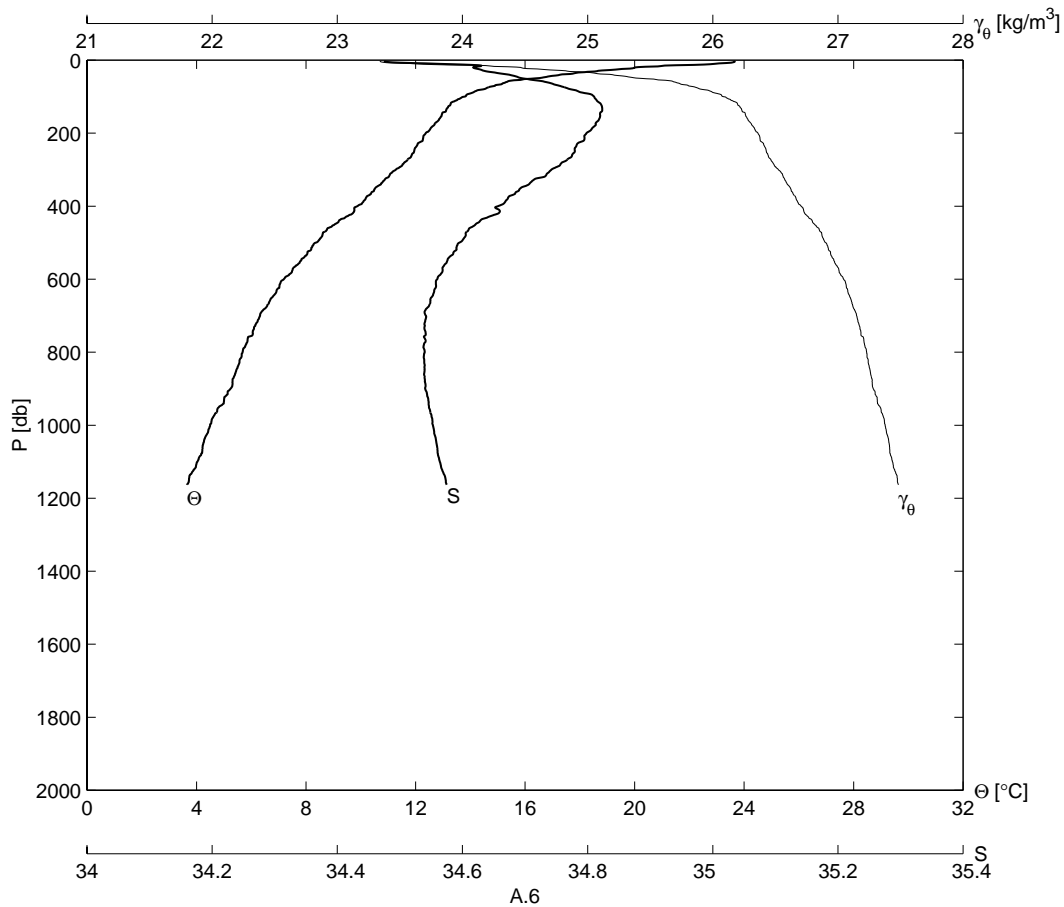
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
D04	5	17 56.8	102 48.1	1	5	2001	932		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
448.0	25.0	99.90	23.8	24.2	8.6	13	9	1017.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	24.706	34.419	22.991	99.900	80.0	14.427	34.773	25.921	99.900
5.0	24.635	34.423	23.015	99.900	90.0	14.227	34.780	25.969	99.900
10.0	22.348	34.602	23.817	99.900	100.0	13.698	34.792	26.089	99.900
15.0	20.505	34.621	24.339	99.900	120.0	13.371	34.806	26.167	99.900
20.0	19.489	34.616	24.602	99.900	140.0	13.130	34.812	26.221	99.900
25.0	18.505	34.633	24.866	99.900	160.0	12.820	34.810	26.282	99.900
30.0	17.706	34.637	25.066	99.900	180.0	12.707	34.808	26.302	99.900
40.0	16.780	34.674	25.316	99.900	200.0	12.376	34.796	26.358	99.900
50.0	16.435	34.693	25.412	99.900	300.0	11.577	34.758	26.481	99.900
60.0	15.449	34.731	25.665	99.900	400.0	9.892	34.666	26.709	99.900
70.0	14.894	34.755	25.806	99.900	481.0	8.678	34.614	26.867	99.900



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
D05	6	17 54.9	102 48.9	1	5	2001	1018		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
755.0	24.3	34.47	22.0	24.0	6.8	12	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	23.931	34.476	23.265	99.900	90.0	14.169	34.791	25.990	99.900
5.0	23.808	34.482	23.306	99.900	100.0	13.751	34.806	26.089	99.900
10.0	22.451	34.584	23.775	99.900	120.0	13.544	34.806	26.132	99.900
15.0	20.435	34.632	24.366	99.900	140.0	13.110	34.817	26.229	99.900
20.0	19.464	34.625	24.616	99.900	160.0	12.960	34.820	26.261	99.900
25.0	18.785	34.634	24.796	99.900	180.0	12.646	34.808	26.315	99.900
30.0	18.474	34.640	24.879	99.900	200.0	12.338	34.793	26.363	99.900
40.0	16.967	34.675	25.273	99.900	300.0	11.351	34.745	26.512	99.900
50.0	16.253	34.697	25.457	99.900	400.0	9.902	34.664	26.706	99.900
60.0	15.791	34.719	25.579	99.900	500.0	8.313	34.596	26.909	99.900
70.0	14.945	34.751	25.792	99.900	600.0	7.409	34.569	27.022	99.900
80.0	14.645	34.765	25.868	99.900	700.0	6.438	34.548	27.139	99.900
760.0	6.050	34.545	27.187	99.900					

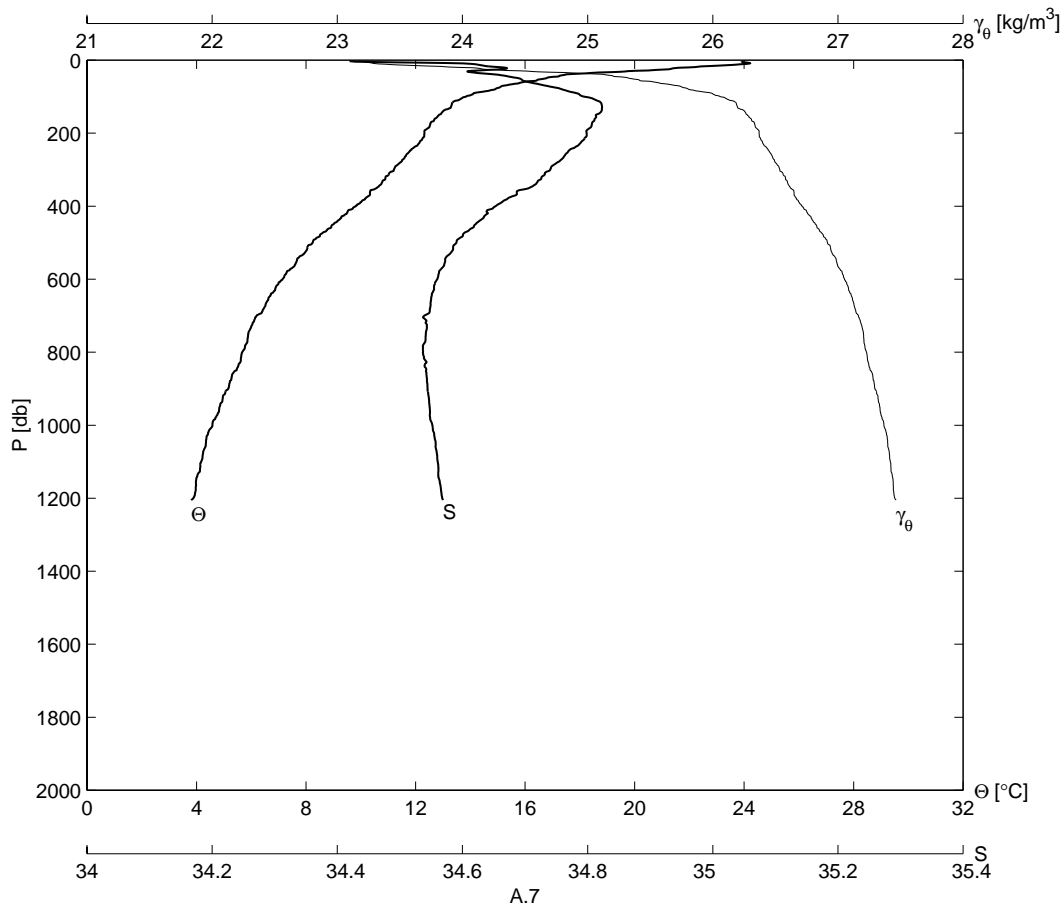


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
D06	7	17 52.8	102 49.6	1	5	2001	1130		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1163.0	24.0	34.47	22.2	23.5	3.9	275	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	23.665	34.474	23.342	99.900	120.0	13.280	34.821	26.198	99.900
5.0	23.633	34.478	23.354	99.900	140.0	13.107	34.824	26.235	99.900
10.0	22.905	34.580	23.642	99.900	160.0	12.881	34.819	26.276	99.900
15.0	21.101	34.632	24.186	99.900	180.0	12.645	34.812	26.318	99.900
20.0	20.011	34.615	24.465	99.900	200.0	12.373	34.798	26.361	99.900
25.0	19.415	34.629	24.631	99.900	300.0	11.281	34.743	26.524	99.900
30.0	18.631	34.637	24.837	99.900	400.0	9.870	34.656	26.705	99.900
40.0	17.283	34.677	25.198	99.900	500.0	8.348	34.594	26.902	99.900
50.0	16.358	34.695	25.430	99.900	600.0	7.188	34.560	27.046	99.900
60.0	15.306	34.735	25.700	99.900	700.0	6.322	34.542	27.149	99.900
70.0	14.907	34.754	25.803	99.900	800.0	5.680	34.539	27.229	99.900
80.0	14.464	34.773	25.913	99.900	900.0	5.245	34.541	27.282	99.900
90.0	14.041	34.796	26.021	99.900	1000.0	4.499	34.553	27.377	99.900
100.0	13.788	34.810	26.085	99.900	1163.0	3.653	34.575	27.483	99.900

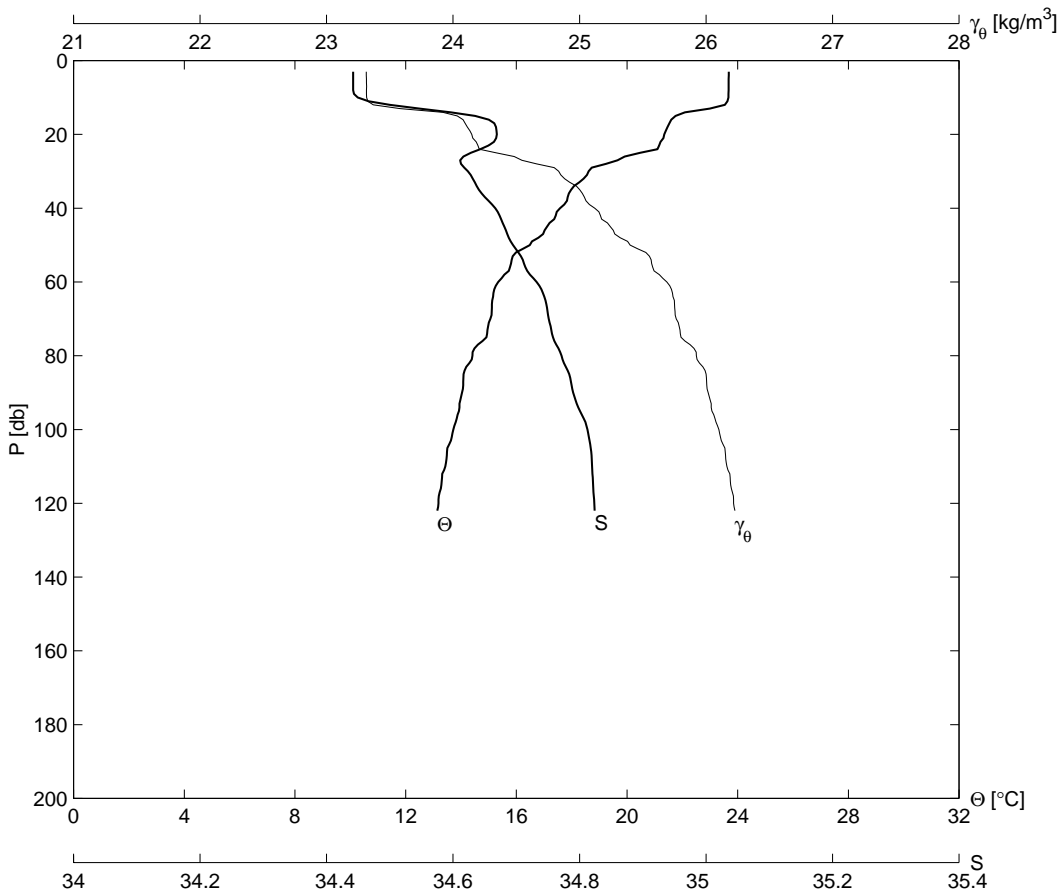


A.6

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
D07	8	17 50.9	102 50.3	1	5	2001	1230		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1156.0	24.2	34.39	23.5	24.5	2.5	320	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	23.944	34.427	23.224	99.900	120.0	13.329	34.822	26.189	99.900
10.0	24.099	34.621	23.325	99.900	140.0	13.003	34.822	26.254	99.900
15.0	23.116	34.632	23.621	99.900	160.0	12.708	34.811	26.305	99.900
20.0	21.967	34.669	23.976	99.900	180.0	12.519	34.807	26.338	99.900
25.0	21.252	34.669	24.173	99.900	200.0	12.322	34.799	26.371	99.900
30.0	19.756	34.600	24.521	99.900	300.0	11.207	34.740	26.536	99.900
40.0	17.473	34.656	25.137	99.900	400.0	9.816	34.654	26.713	99.900
50.0	16.750	34.691	25.336	99.900	500.0	8.235	34.590	26.916	99.900
60.0	15.929	34.705	25.537	99.900	600.0	7.142	34.560	27.052	99.900
70.0	15.216	34.732	25.718	99.900	700.0	6.199	34.539	27.163	99.900
80.0	14.901	34.759	25.808	99.900	800.0	5.668	34.537	27.228	99.900
90.0	14.140	34.783	25.990	99.900	900.0	5.164	34.544	27.295	99.900
100.0	13.849	34.792	26.058	99.900	1000.0	4.580	34.552	27.368	99.900
1205.0	3.805	34.570	27.464	99.900					

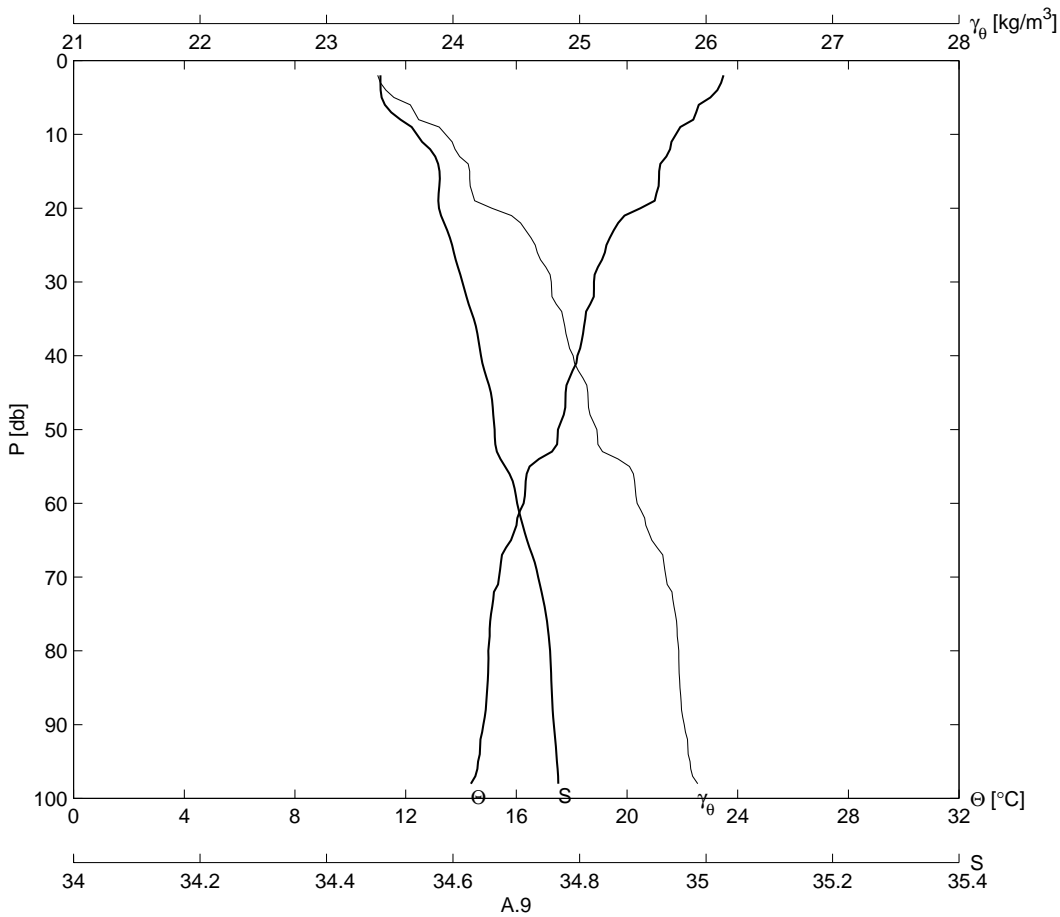


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
D07	9	17 50.7	102 49.3	1	5	2001	1407		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1329.1	24.0	34.44	23.0	25.5	1.2	15	3	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	23.676	34.443	23.315	99.900	50.0	16.485	34.693	25.400	99.900
10.0	23.665	34.441	23.316	99.900	60.0	15.349	34.735	25.690	99.900
15.0	21.756	34.667	24.033	99.900	70.0	15.065	34.749	25.764	99.900
20.0	21.348	34.671	24.148	99.900	80.0	14.414	34.772	25.923	99.900
25.0	20.477	34.611	24.339	99.900	90.0	14.039	34.790	26.016	99.900
30.0	18.612	34.627	24.834	99.900	100.0	13.721	34.814	26.101	99.900
40.0	17.581	34.669	25.121	99.900	120.0	13.187	34.823	26.218	99.900
122.0	13.146	34.825	26.228	99.900					

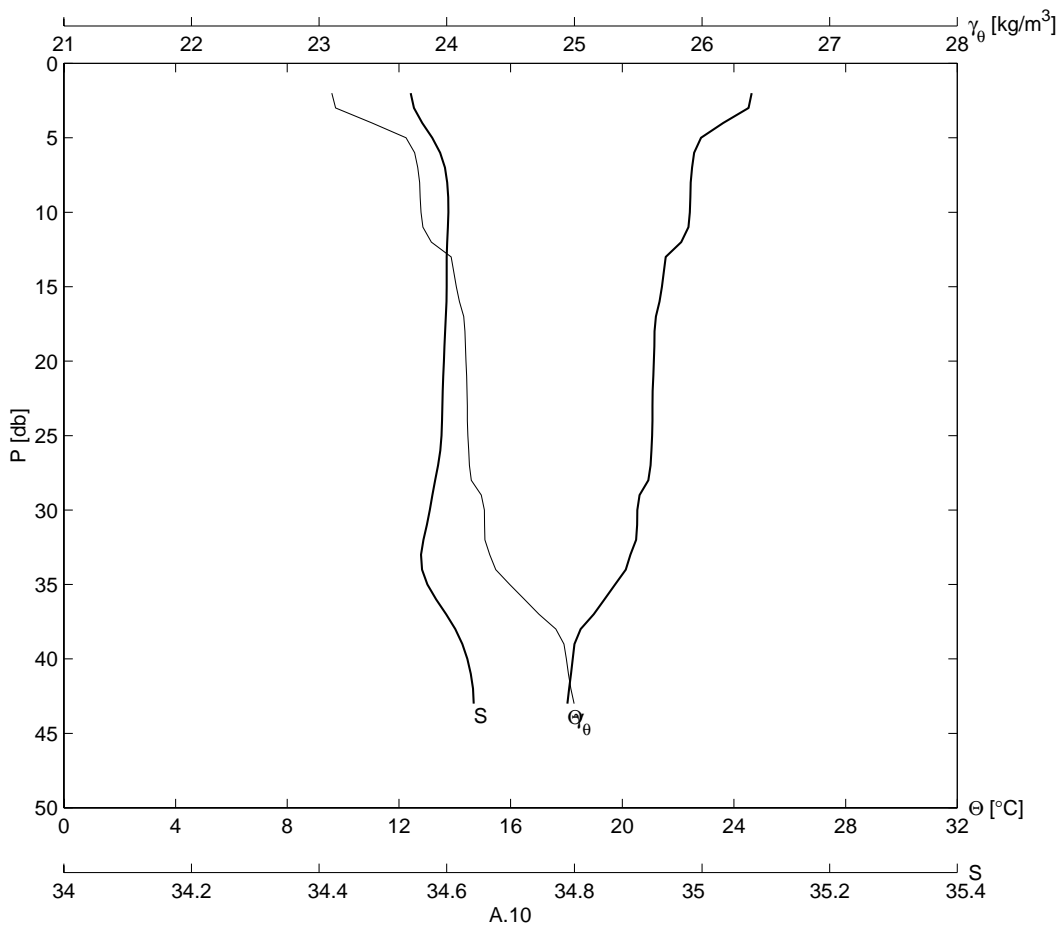


A.8

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
D1P	10	18 0.9	102 46.2	1	5	2001	1556		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
98.0	23.8	34.48	22.5	29.5	0.8	104	4	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	23.485	34.487	23.404	99.900	40.0	18.206	34.645	24.949	99.900
5.0	23.015	34.476	23.532	99.900	50.0	17.506	34.667	25.137	99.900
15.0	21.160	34.581	24.131	99.900	60.0	16.265	34.700	25.456	99.900
20.0	20.483	34.571	24.307	99.900	70.0	15.380	34.734	25.683	99.900
25.0	19.254	34.600	24.650	99.900	80.0	14.989	34.754	25.785	99.900
30.0	18.809	34.616	24.776	99.900	90.0	14.811	34.759	25.828	99.900
98.0	14.360	34.771	25.934	99.900					

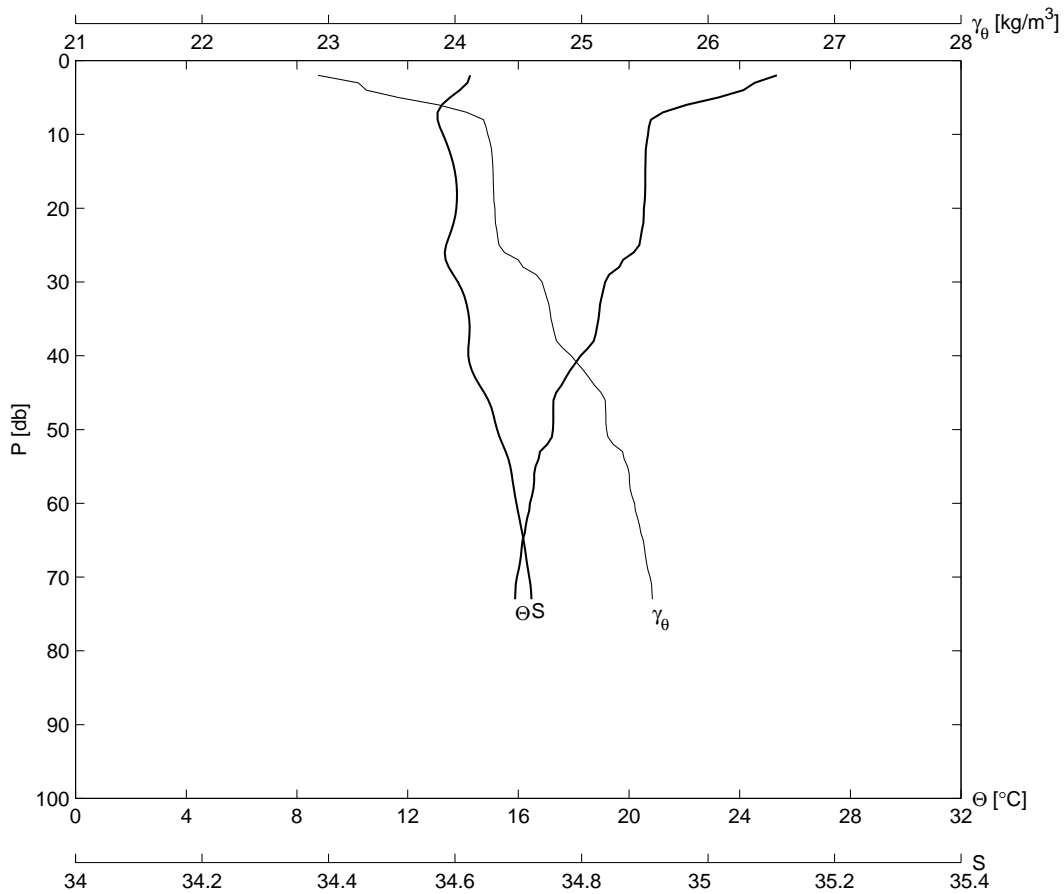


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
E01	11	17 58.5	102 26.5	1	5	2001	2213		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
47.7	24.9	34.54	24.7	27.6	7.0	5	8	1015.0	
PR	Θ	SA	γ_{θ}	OX	PR	Θ	SA	γ_{θ}	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	24.637	34.535	23.100	99.900	20.0	21.132	34.596	24.151	99.900
5.0	22.822	34.599	23.681	99.900	25.0	21.070	34.594	24.166	99.900
10.0	22.424	34.605	23.798	99.900	30.0	20.541	34.576	24.295	99.900
15.0	21.423	34.601	24.074	99.900	40.0	18.227	34.635	24.937	99.900
43.0	18.037	34.653	24.997	99.900					



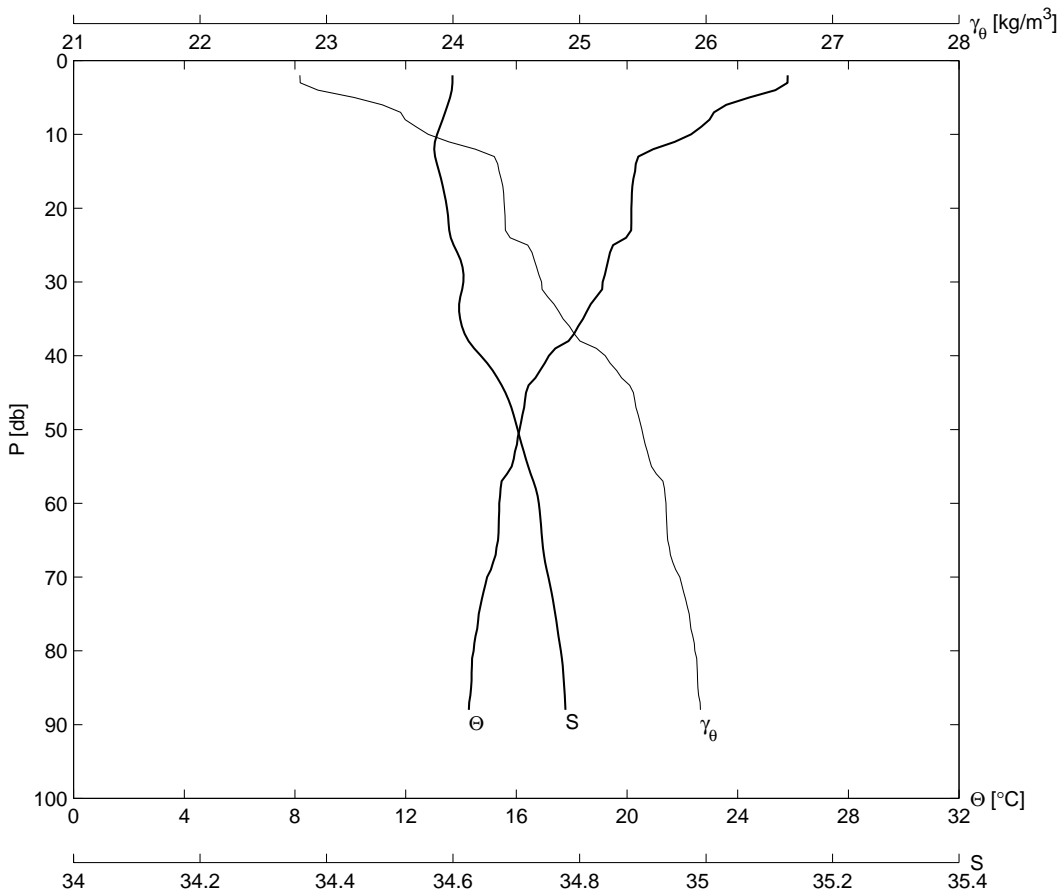
A.10

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
E02	12	17 56.1	102 27.2	1	5	2001	2250		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
76.5	25.5	34.51	24.5	27.0	7.5	212	8	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.345	34.577	22.916	99.900	30.0	19.141	34.610	24.687	99.900
5.0	23.226	34.582	23.551	99.900	40.0	18.249	34.617	24.918	99.900
10.0	20.688	34.581	24.259	99.900	50.0	17.253	34.665	25.197	99.900
15.0	20.591	34.600	24.300	99.900	60.0	16.420	34.698	25.419	99.900
20.0	20.540	34.602	24.315	99.900	70.0	15.951	34.717	25.541	99.900
25.0	20.372	34.587	24.348	99.900	73.0	15.882	34.723	25.561	99.900



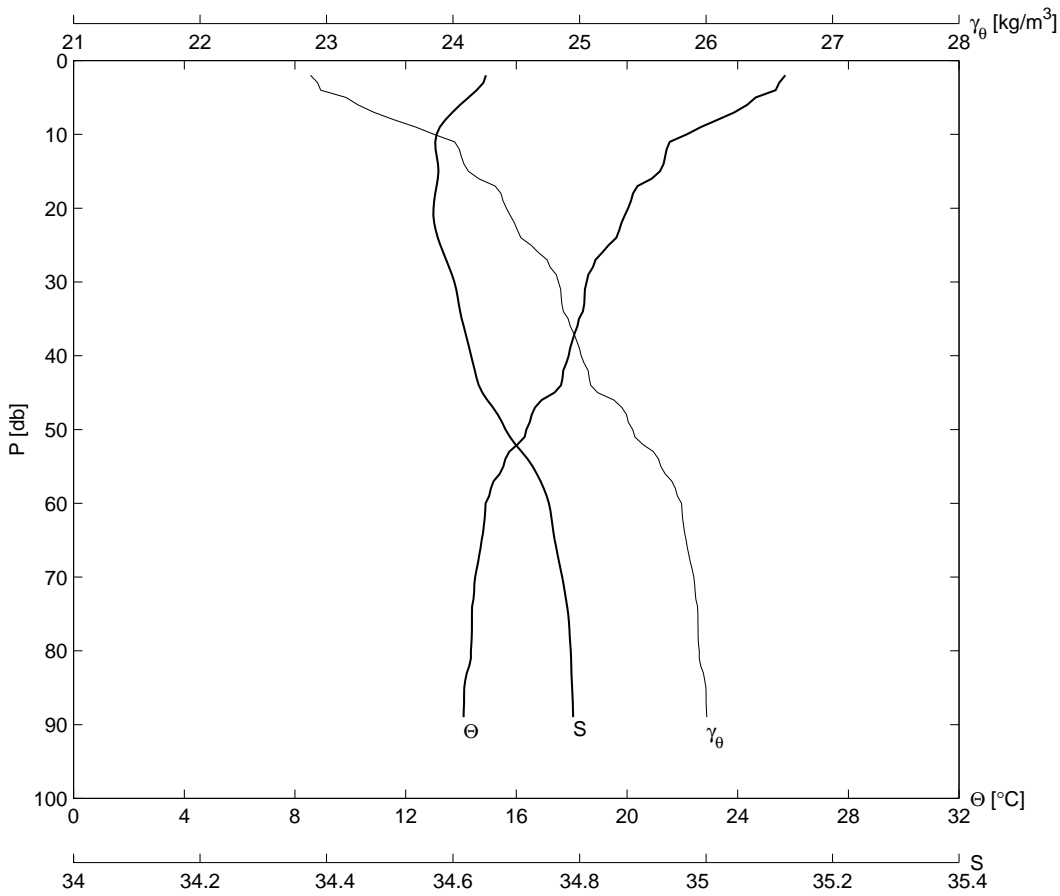
A.11

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
E03	13	17 55.0	102 28.2	1	5	2001	2321		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
88.3	26.1	34.59	24.0	27.0	7.7	336	8	1014.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	25.808	34.597	22.789	99.900	30.0	19.119	34.620	24.700	99.900
5.0	24.421	34.606	23.218	99.900	40.0	17.177	34.648	25.202	99.900
10.0	22.315	34.572	23.804	99.900	50.0	16.115	34.703	25.493	99.900
15.0	20.291	34.578	24.363	99.900	60.0	15.386	34.736	25.683	99.900
20.0	20.158	34.590	24.407	99.900	70.0	14.945	34.751	25.792	99.900
25.0	19.499	34.603	24.590	99.900	80.0	14.458	34.770	25.912	99.900
88.0	14.285	34.779	25.956	99.900					



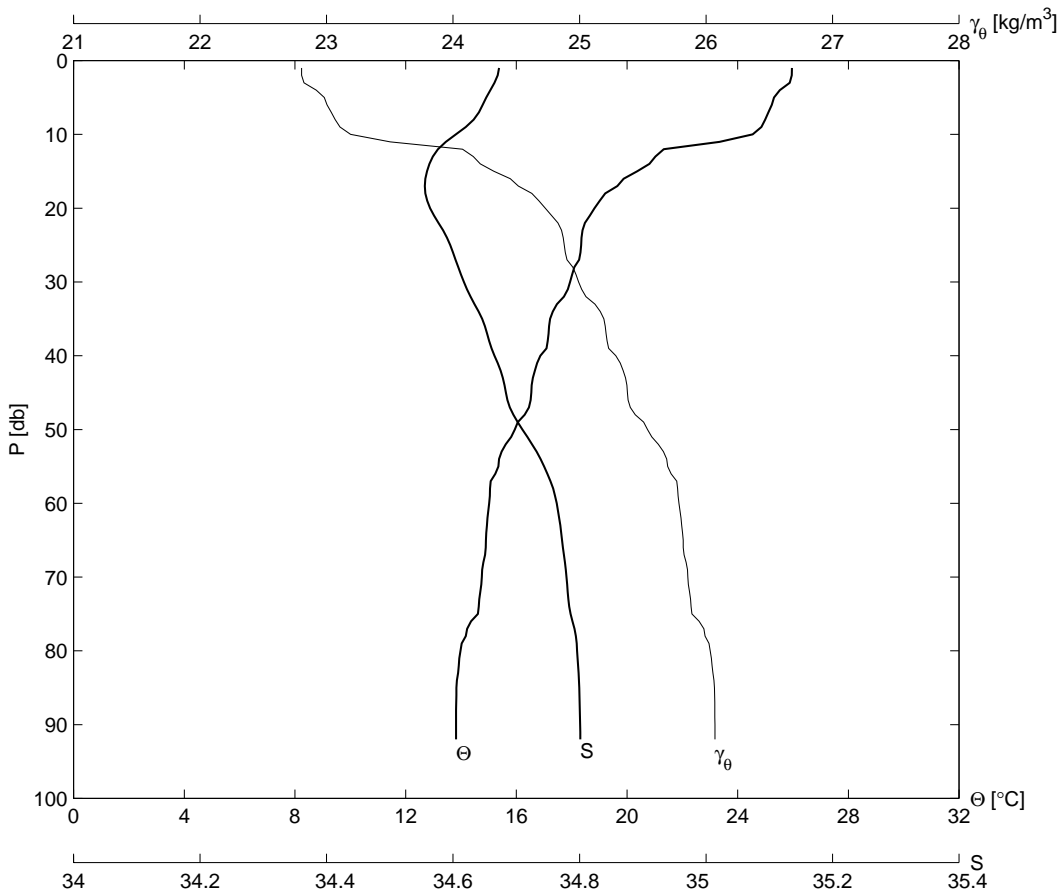
A.12

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
E04	14	17 53.3	102 29.0	2	5	2001	4		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
91.5	26.4	34.67	23.5	27.4	6.2	175	8	1014.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	25.718	34.671	22.872	99.900	30.0	18.542	34.604	24.834	99.900
5.0	24.650	34.614	23.155	99.900	40.0	17.896	34.629	25.013	99.900
10.0	22.159	34.574	23.850	99.900	50.0	16.363	34.683	25.421	99.900
15.0	21.193	34.579	24.121	99.900	60.0	14.893	34.754	25.806	99.900
20.0	20.039	34.568	24.422	99.900	70.0	14.512	34.773	25.903	99.900
25.0	19.336	34.583	24.616	99.900	80.0	14.360	34.787	25.946	99.900
89.0	14.094	34.791	26.006	99.900					

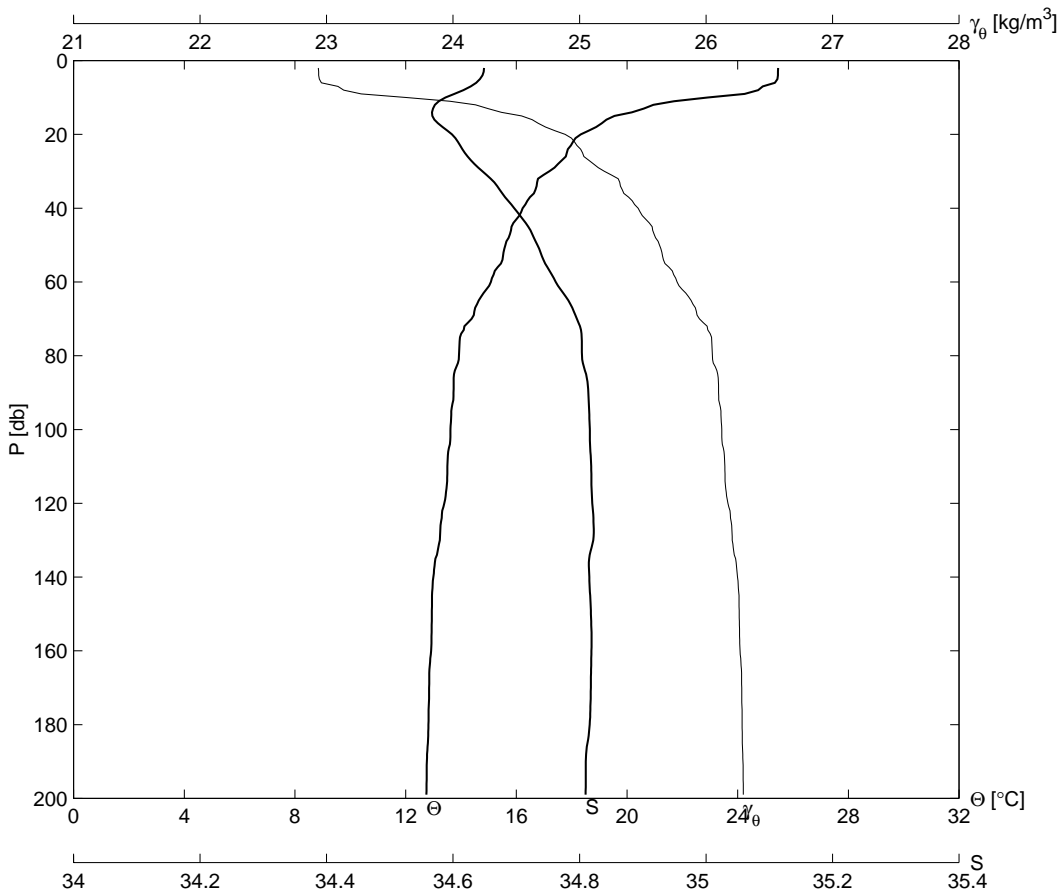


A.13

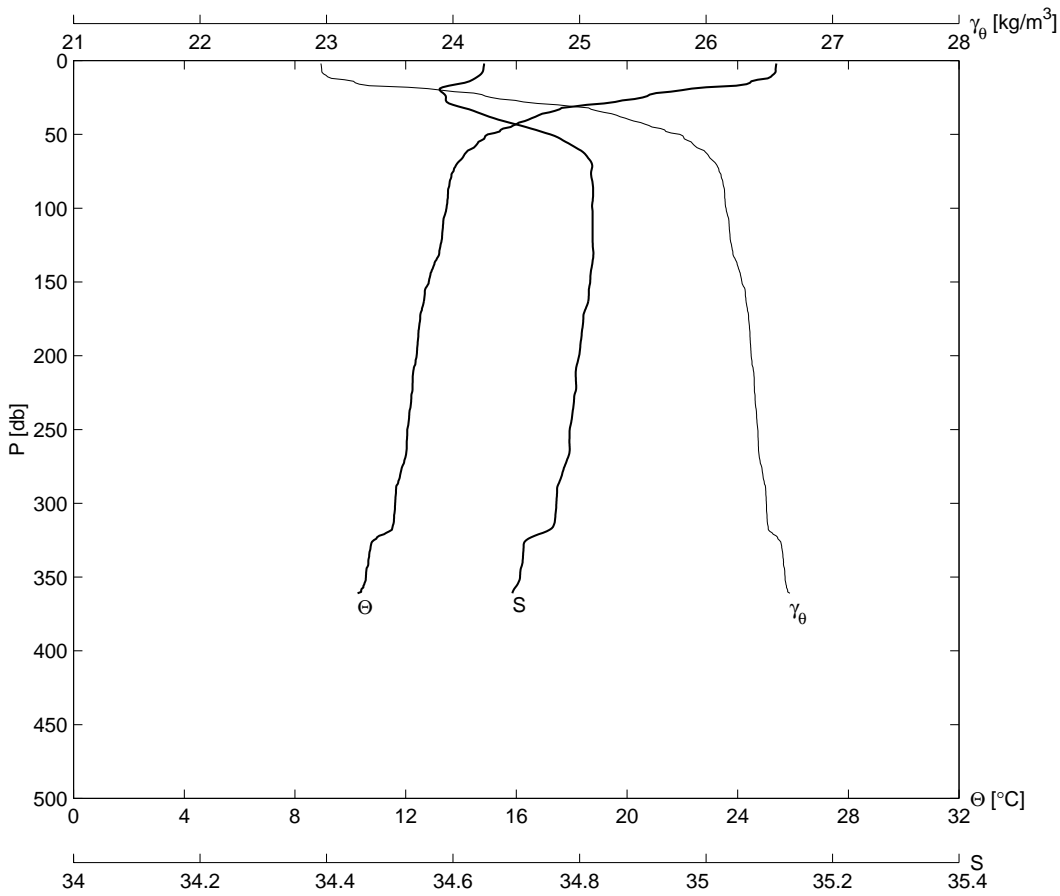
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
E05	15	17 51.4	102 30.1	2	5	2001	37		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
97.5	26.3	34.67	24.9	26.3	7.7	179	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	25.958	34.677	22.803	99.900	40.0	16.870	34.663	25.286	99.900
5.0	25.316	34.652	22.982	99.900	50.0	15.947	34.712	25.538	99.900
10.0	24.543	34.616	23.189	99.900	60.0	15.018	34.764	25.786	99.900
15.0	20.371	34.552	24.322	99.900	70.0	14.755	34.780	25.856	99.900
20.0	18.826	34.561	24.730	99.900	80.0	13.985	34.795	26.032	99.900
25.0	18.342	34.597	24.879	99.900	90.0	13.825	34.801	26.070	99.900
30.0	17.945	34.618	24.993	99.900	92.0	13.826	34.802	26.070	99.900



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
E06	16	17 49.0	102 31.0	2	5	2001	112		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
199.5	25.8	34.65	24.3	26.0	6.2	14	9	1015.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	25.463	34.650	22.935	99.900	60.0	15.082	34.763	25.771	99.900
5.0	25.436	34.649	22.942	99.900	70.0	14.381	34.794	25.947	99.900
10.0	22.920	34.567	23.628	99.900	80.0	13.927	34.804	26.051	99.900
15.0	19.548	34.557	24.542	99.900	90.0	13.732	34.814	26.099	99.900
20.0	18.332	34.602	24.886	99.900	100.0	13.622	34.816	26.124	99.900
25.0	17.827	34.620	25.023	99.900	120.0	13.399	34.820	26.173	99.900
30.0	17.195	34.645	25.195	99.900	140.0	13.004	34.815	26.249	99.900
40.0	16.228	34.698	25.463	99.900	160.0	12.921	34.819	26.268	99.900
50.0	15.605	34.734	25.633	99.900	180.0	12.824	34.816	26.285	99.900
199.0	12.752	34.809	26.295	99.900					

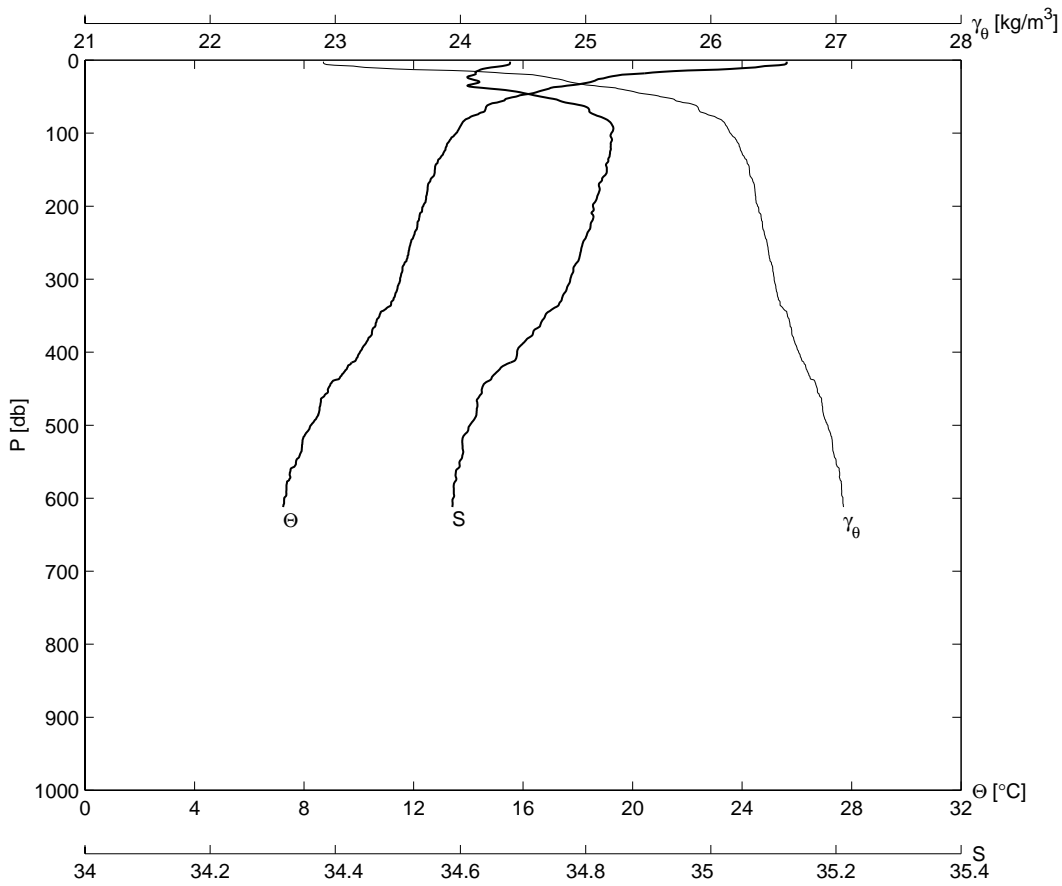


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
E07	17	17 47.2	102 32.0	2	5	2001	153		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
361.4	25.7	34.64	24.0	25.2	6.8	219	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	25.397	34.650	22.955	99.900	70.0	13.853	34.820	26.079	99.900
5.0	25.374	34.647	22.960	99.900	80.0	13.629	34.819	26.124	99.900
10.0	25.251	34.643	22.995	99.900	90.0	13.530	34.822	26.147	99.900
15.0	24.445	34.629	23.228	99.900	100.0	13.475	34.821	26.158	99.900
20.0	21.990	34.584	23.905	99.900	120.0	13.316	34.821	26.190	99.900
25.0	20.562	34.592	24.301	99.900	140.0	12.996	34.819	26.253	99.900
30.0	18.547	34.597	24.828	99.900	160.0	12.681	34.814	26.313	99.900
40.0	16.436	34.672	25.395	99.900	180.0	12.490	34.805	26.343	99.900
50.0	14.967	34.758	25.792	99.900	200.0	12.397	34.799	26.357	99.900
60.0	14.350	34.798	25.957	99.900	300.0	11.620	34.763	26.477	99.900
361.0	10.266	34.689	26.663	99.900					



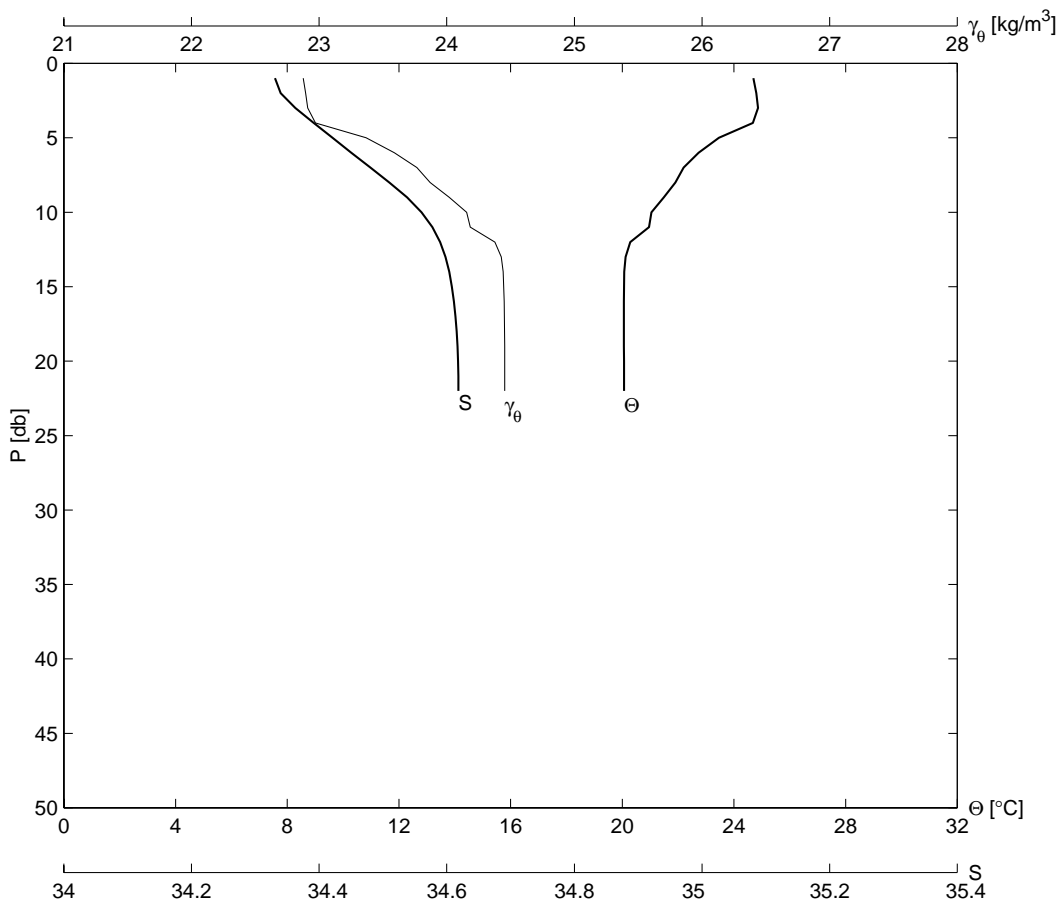
A.16

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
E08	18	17 45.4	102 32.6	2	5	2001	234		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
612.4	25.9	34.66	24.0	25.5	9.8	1	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.630	34.679	22.906	99.900	90.0	13.720	34.844	26.125	99.900
5.0	25.610	34.680	22.913	99.900	100.0	13.557	34.839	26.155	99.900
10.0	24.480	34.654	23.237	99.900	120.0	13.176	34.840	26.233	99.900
15.0	21.488	34.627	24.076	99.900	140.0	12.879	34.836	26.290	99.900
20.0	19.619	34.626	24.576	99.900	160.0	12.695	34.828	26.320	99.900
25.0	18.930	34.615	24.745	99.900	180.0	12.503	34.822	26.353	99.900
30.0	18.459	34.633	24.878	99.900	200.0	12.352	34.812	26.375	99.900
40.0	16.849	34.665	25.293	99.900	300.0	11.511	34.775	26.507	99.900
50.0	15.739	34.725	25.595	99.900	400.0	10.044	34.690	26.702	99.900
60.0	14.818	34.784	25.845	99.900	500.0	8.246	34.616	26.935	99.900
70.0	14.592	34.807	25.912	99.900	600.0	7.275	34.588	27.055	99.900
80.0	13.968	34.829	26.061	99.900	612.0	7.233	34.587	27.061	99.900

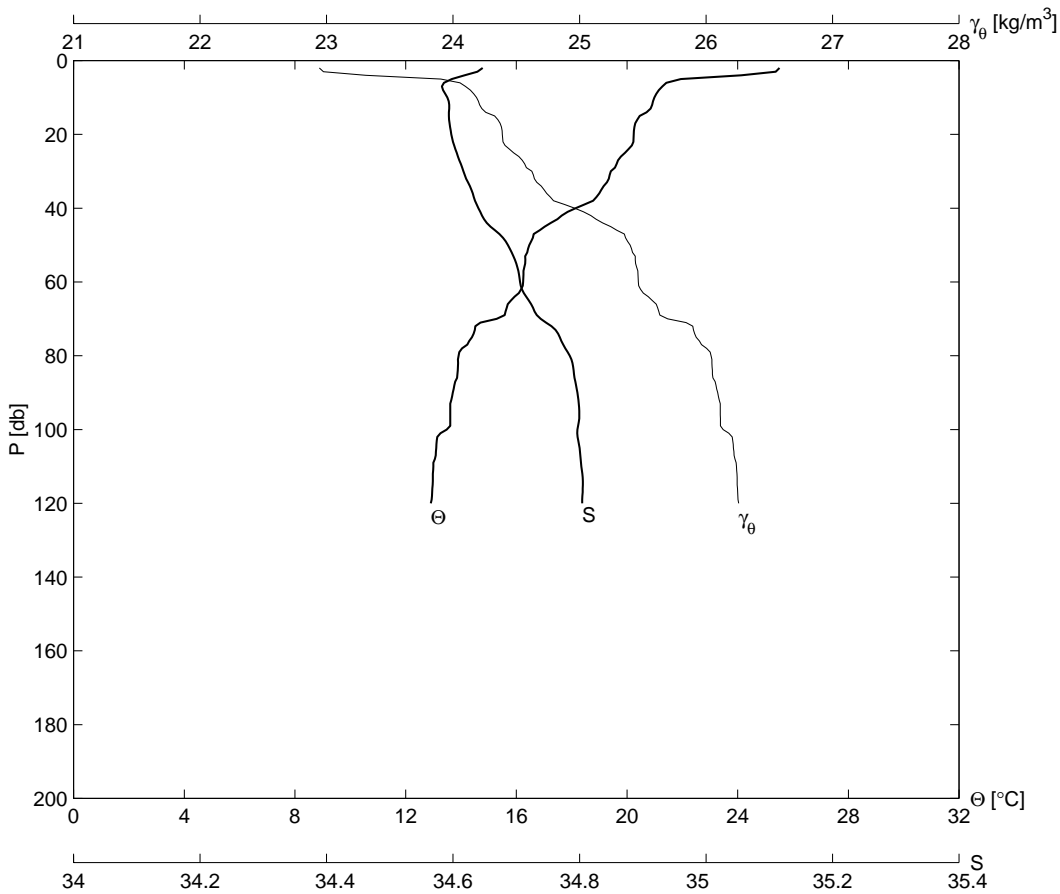


A.17

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A01	19	17 53.5	102 11.1	2	5	2001	737		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
39.6	24.7	34.22	22.8	23.5	1.8	55	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	24.802	34.330	22.895	99.900	15.0	20.065	34.609	24.446	99.900
5.0	23.462	34.430	23.368	99.900	20.0	20.062	34.618	24.454	99.900
10.0	21.044	34.571	24.156	99.900	22.0	20.065	34.619	24.454	99.900

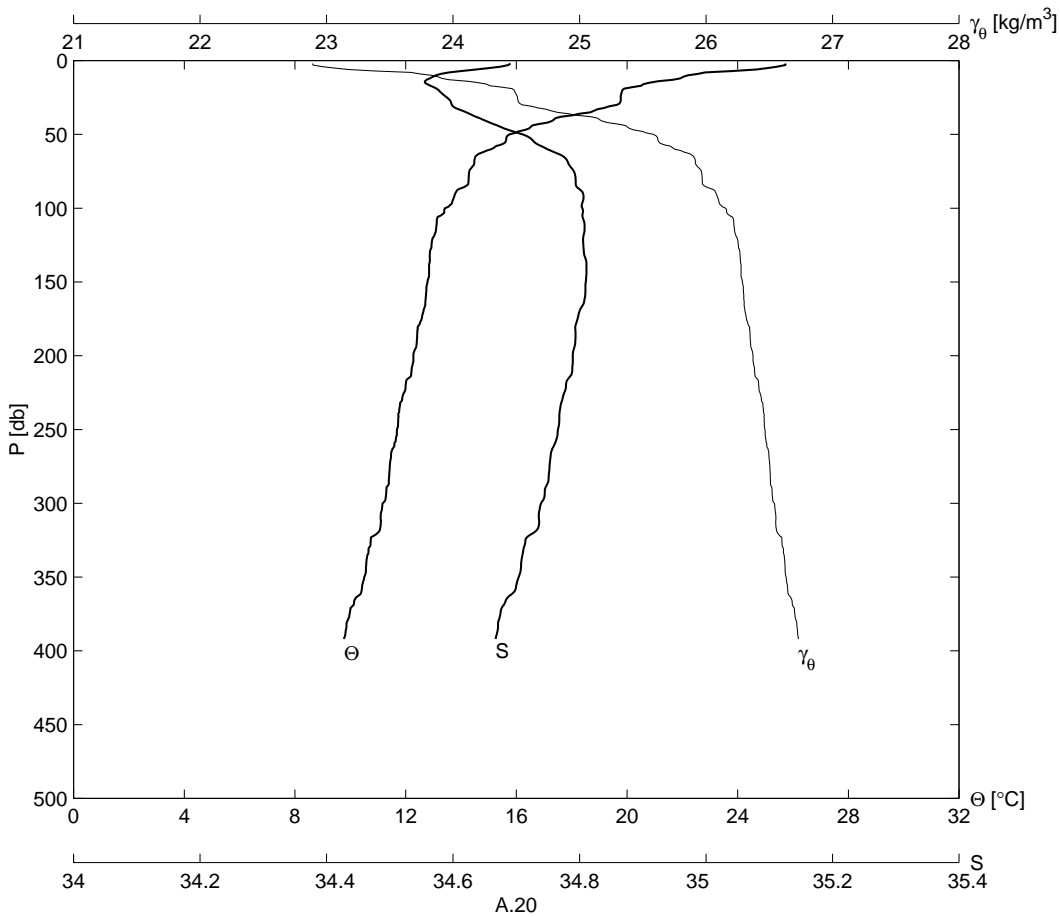


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A02	20	17 52.2	102 11.5	2	5	2001	810		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
120.0	25.8	34.68	99.0	99.0	5.1	12	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	25.514	34.680	22.942	99.900	50.0	16.466	34.687	25.400	99.900
5.0	21.944	34.565	23.903	99.900	60.0	16.247	34.706	25.465	99.900
10.0	20.991	34.592	24.186	99.900	70.0	15.289	34.726	25.697	99.900
15.0	20.461	34.593	24.329	99.900	80.0	13.916	34.786	26.039	99.900
20.0	20.244	34.597	24.390	99.900	90.0	13.705	34.797	26.092	99.900
25.0	19.931	34.605	24.479	99.900	100.0	13.484	34.794	26.135	99.900
30.0	19.415	34.617	24.622	99.900	120.0	12.910	34.802	26.258	99.900
40.0	18.141	34.642	24.963	99.900	120.0	12.910	34.802	26.258	99.900

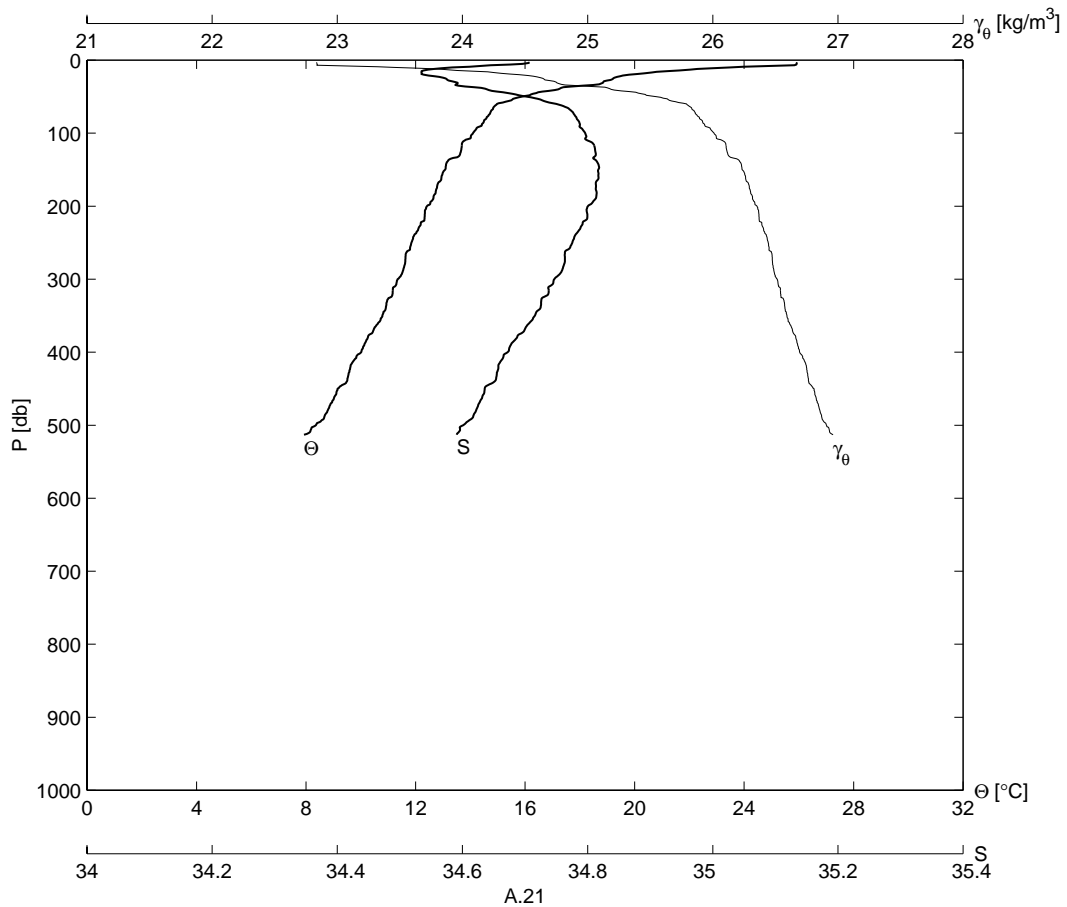


A.19

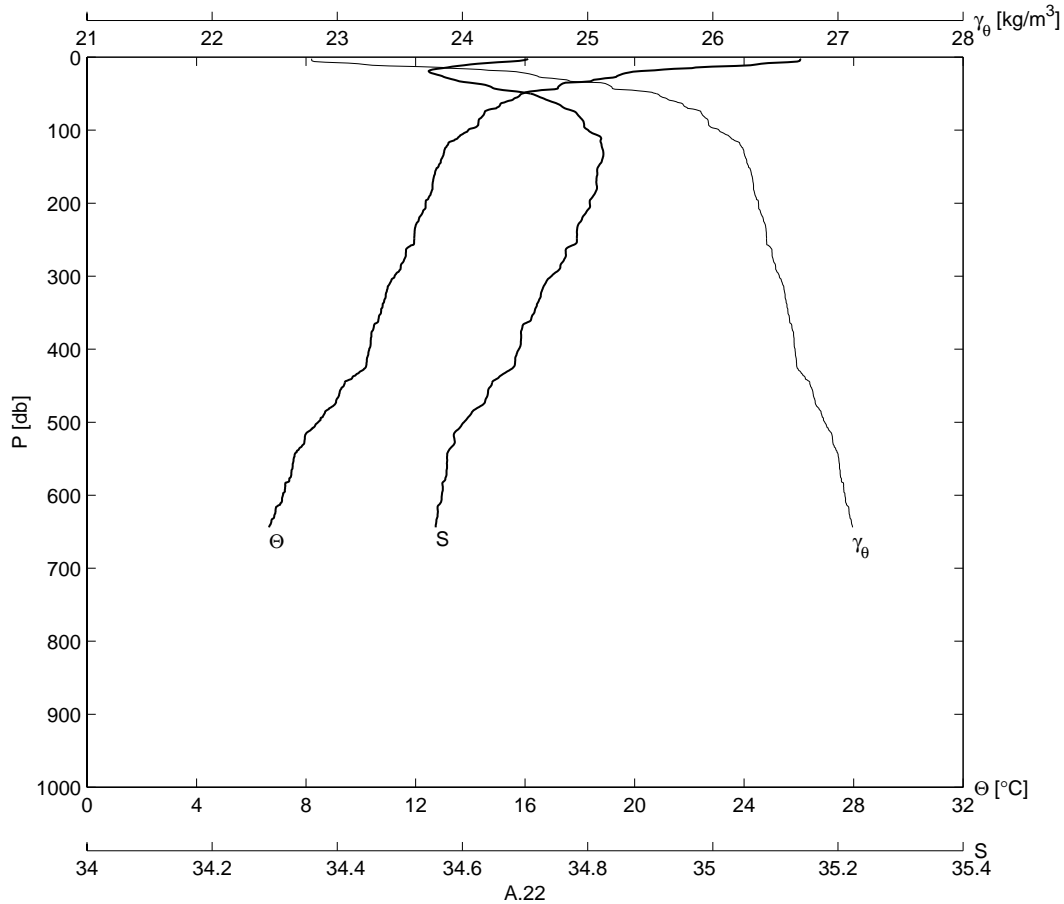
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A03	21	17 50.5	102 12.9	2	5	2001	917		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
400.0	26.0	34.70	23.0	25.0	5.8	345	9	1018.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[m]	[°C]	[ups]	[kg/m ³]	[ml/l]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	25.740	34.701	22.888	99.900	70.0	14.474	34.782	25.918	99.900
5.0	25.110	34.667	23.056	99.900	80.0	14.277	34.794	25.969	99.900
10.0	22.200	34.565	23.831	99.900	90.0	13.795	34.806	26.080	99.900
15.0	20.798	34.552	24.207	99.900	100.0	13.421	34.805	26.156	99.900
20.0	19.833	34.577	24.483	99.900	120.0	12.986	34.805	26.245	99.900
25.0	19.774	34.591	24.509	99.900	140.0	12.850	34.811	26.276	99.900
30.0	19.638	34.594	24.547	99.900	160.0	12.730	34.809	26.299	99.900
40.0	17.359	34.649	25.159	99.900	180.0	12.454	34.792	26.340	99.900
50.0	15.752	34.713	25.583	99.900	200.0	12.281	34.789	26.371	99.900
60.0	15.094	34.744	25.754	99.900	300.0	11.173	34.738	26.540	99.900
392.0	9.774	34.667	26.730	99.900					



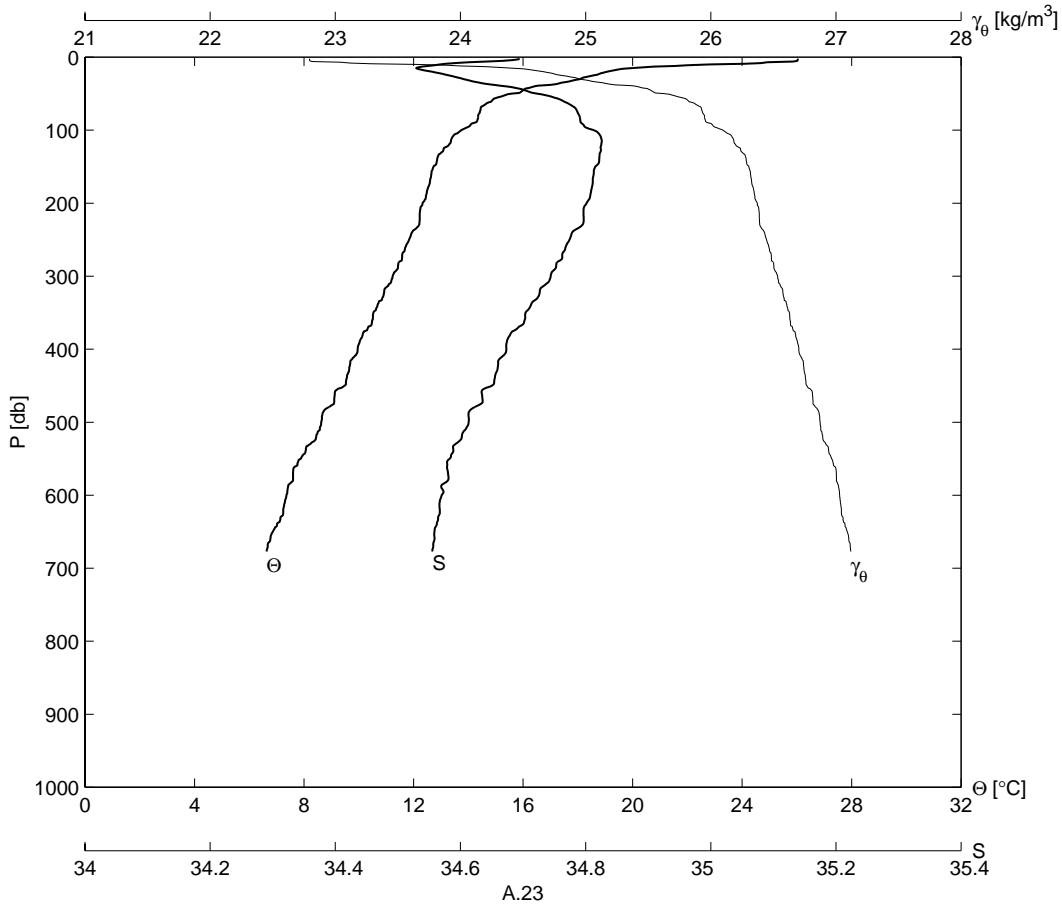
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A04	22	17 48.7	102 13.1	2	5	2001	1035		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
526.0	26.2	34.71	23.0	24.0	7.2	57	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	25.919	34.708	22.838	99.900	90.0	14.408	34.788	25.937	99.900
10.0	23.496	34.561	23.457	99.900	100.0	14.100	34.797	26.009	99.900
15.0	21.201	34.521	24.075	99.900	120.0	13.683	34.812	26.108	99.900
20.0	19.800	34.528	24.454	99.900	140.0	13.138	34.815	26.222	99.900
25.0	19.218	34.578	24.643	99.900	160.0	12.947	34.818	26.262	99.900
30.0	18.858	34.595	24.748	99.900	180.0	12.737	34.814	26.302	99.900
40.0	17.211	34.641	25.188	99.900	200.0	12.417	34.800	26.354	99.900
50.0	15.883	34.705	25.547	99.900	300.0	11.342	34.746	26.516	99.900
60.0	14.975	34.756	25.790	99.900	400.0	10.020	34.674	26.694	99.900
70.0	14.756	34.776	25.852	99.900	500.0	8.355	34.603	26.909	99.900
80.0	14.583	34.781	25.894	99.900	513.0	7.925	34.587	26.961	99.900



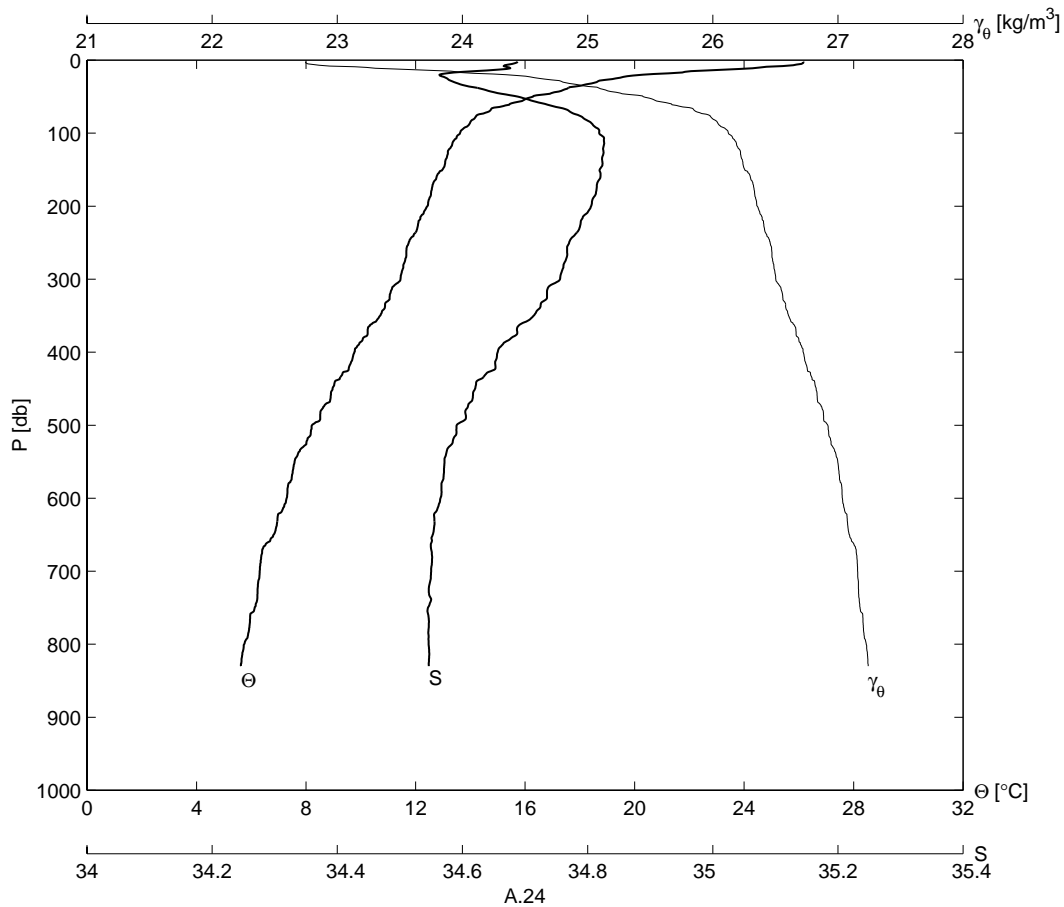
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A05	23	17 46.7	102 14.5	2	5	2001	1122		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
644.4	26.0	34.70	23.0	24.0	4.6	290	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.044	34.706	22.798	99.900	90.0	14.296	34.794	25.965	99.900
5.0	26.031	34.702	22.799	99.900	100.0	13.928	34.801	26.049	99.900
10.0	24.465	34.618	23.214	99.900	120.0	13.182	34.822	26.218	99.900
15.0	22.095	34.577	23.870	99.900	140.0	12.938	34.823	26.268	99.900
20.0	19.947	34.545	24.429	99.900	160.0	12.709	34.816	26.309	99.900
25.0	19.414	34.565	24.583	99.900	180.0	12.618	34.815	26.326	99.900
30.0	18.728	34.584	24.772	99.900	200.0	12.369	34.803	26.365	99.900
40.0	17.227	34.645	25.187	99.900	300.0	11.235	34.742	26.532	99.900
50.0	15.888	34.710	25.550	99.900	400.0	10.308	34.690	26.657	99.900
60.0	15.387	34.739	25.685	99.900	500.0	8.439	34.603	26.896	99.900
70.0	14.948	34.759	25.798	99.900	600.0	7.157	34.566	27.055	99.900
80.0	14.466	34.785	25.922	99.900	644.0	6.650	34.557	27.118	99.900



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A06	24	17 45.3	102 15.0	2	5	2001	1214		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
684.0	26.3	34.69	23.0	24.5	3.2	282	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.040	34.698	22.793	99.900	90.0	14.211	34.790	25.980	99.900
5.0	26.019	34.693	22.796	99.900	100.0	13.743	34.815	26.098	99.900
10.0	22.821	34.559	23.650	99.900	120.0	13.295	34.825	26.198	99.900
15.0	19.957	34.520	24.407	99.900	140.0	12.862	34.822	26.282	99.900
20.0	19.070	34.555	24.663	99.900	160.0	12.650	34.813	26.317	99.900
25.0	18.570	34.580	24.808	99.900	180.0	12.520	34.809	26.340	99.900
30.0	18.084	34.603	24.948	99.900	200.0	12.330	34.801	26.371	99.900
40.0	16.407	34.679	25.407	99.900	300.0	11.237	34.744	26.533	99.900
50.0	15.573	34.720	25.629	99.900	400.0	9.963	34.673	26.703	99.900
60.0	14.860	34.764	25.820	99.900	500.0	8.629	34.613	26.874	99.900
70.0	14.450	34.784	25.925	99.900	600.0	7.356	34.569	27.030	99.900
80.0	14.360	34.790	25.949	99.900	677.0	6.633	34.555	27.118	99.900

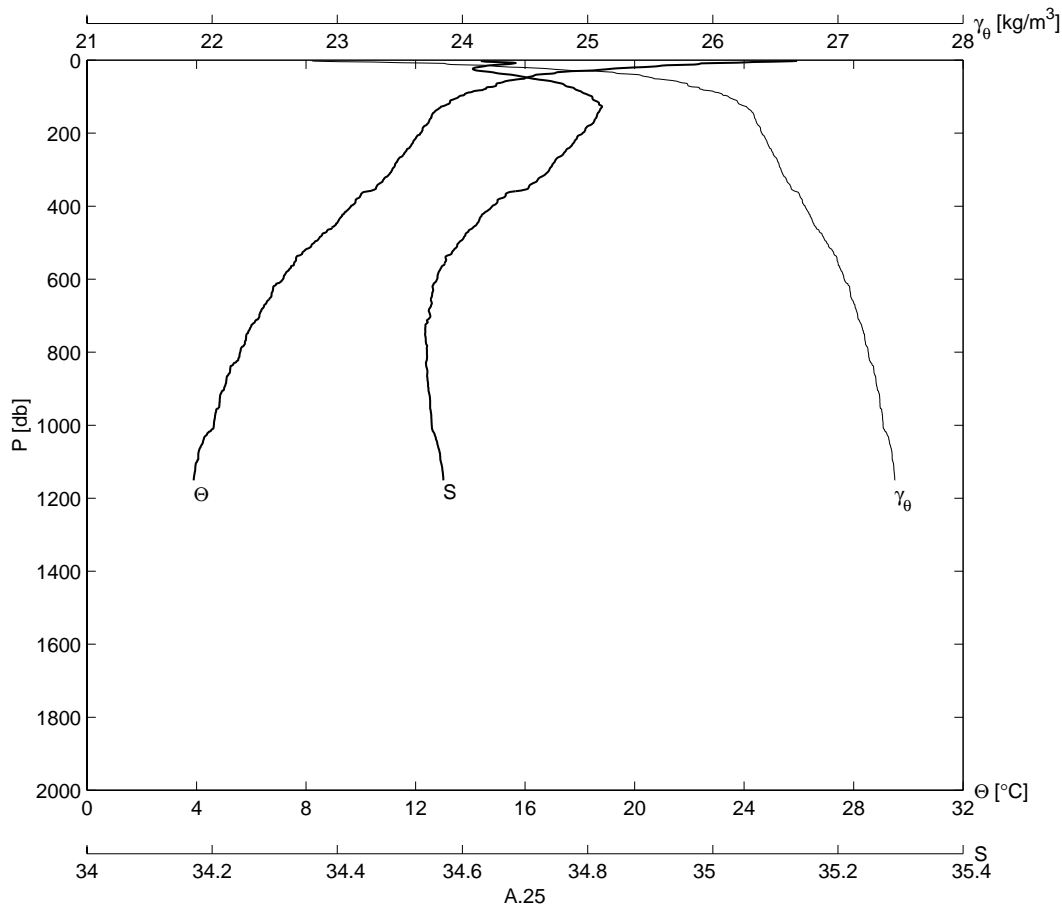


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A07	25	17 43.5	102 16.0	2	5	2001	1320		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
824.5	26.5	34.68	23.0	24.5	1.6	258	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.161	34.689	22.749	99.900	100.0	13.624	34.818	26.125	99.900
5.0	26.094	34.684	22.765	99.900	120.0	13.279	34.825	26.201	99.900
10.0	24.604	34.699	23.234	99.900	140.0	13.081	34.824	26.240	99.900
15.0	22.061	34.613	23.907	99.900	160.0	12.769	34.821	26.300	99.900
20.0	20.302	34.557	24.344	99.900	180.0	12.573	34.813	26.333	99.900
25.0	19.311	34.572	24.615	99.900	200.0	12.429	34.805	26.355	99.900
30.0	18.614	34.586	24.802	99.900	300.0	11.448	34.756	26.503	99.900
40.0	17.451	34.632	25.124	99.900	400.0	9.765	34.656	26.723	99.900
50.0	16.292	34.691	25.443	99.900	500.0	8.219	34.590	26.919	99.900
60.0	15.445	34.736	25.670	99.900	600.0	7.290	34.565	27.035	99.900
70.0	14.691	34.771	25.863	99.900	700.0	6.311	34.550	27.157	99.900
80.0	14.148	34.795	25.997	99.900	800.0	5.742	34.545	27.226	99.900
90.0	13.909	34.810	26.060	99.900	830.0	5.622	34.546	27.241	99.900



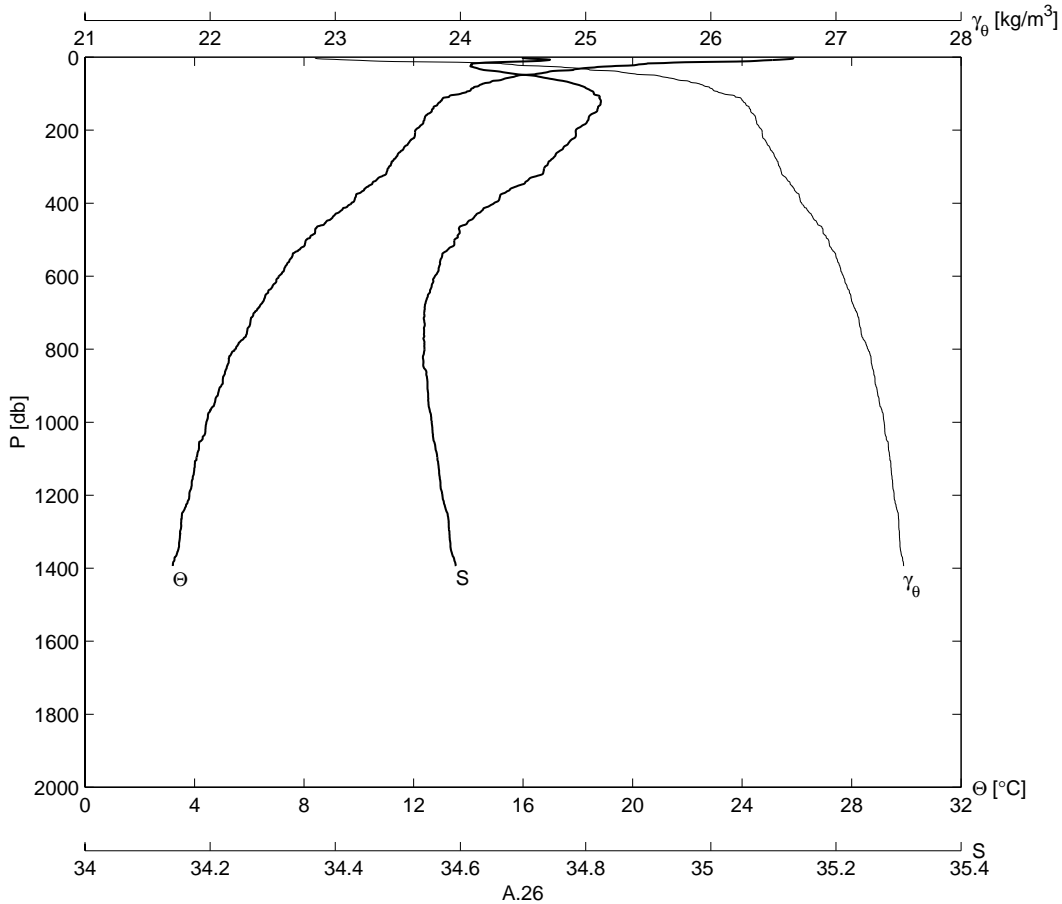
A.24

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A08	26	17 41.3	102 17.0	2	5	2001	1420		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1151.5	26.3	34.66	25.0	28.0	3.9	288	3	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.934	34.658	22.796	99.900	120.0	13.214	34.817	26.208	99.900
5.0	24.322	34.655	23.285	99.900	140.0	12.712	34.819	26.310	99.900
10.0	22.371	34.677	23.868	99.900	160.0	12.544	34.813	26.338	99.900
15.0	21.009	34.640	24.217	99.900	180.0	12.330	34.800	26.370	99.900
20.0	19.982	34.621	24.477	99.900	200.0	12.182	34.792	26.392	99.900
25.0	18.981	34.616	24.733	99.900	300.0	11.152	34.739	26.545	99.900
30.0	17.709	34.634	25.063	99.900	400.0	9.640	34.648	26.737	99.900
40.0	16.410	34.681	25.408	99.900	500.0	8.298	34.595	26.910	99.900
50.0	15.993	34.710	25.526	99.900	600.0	7.156	34.559	27.050	99.900
60.0	15.197	34.747	25.734	99.900	700.0	6.297	34.549	27.158	99.900
70.0	14.945	34.764	25.802	99.900	800.0	5.594	34.543	27.242	99.900
80.0	14.487	34.781	25.915	99.900	900.0	5.007	34.546	27.314	99.900
90.0	13.874	34.794	26.054	99.900	1000.0	4.633	34.551	27.361	99.900
100.0	13.589	34.807	26.124	99.900	1151.0	3.897	34.569	27.454	99.900



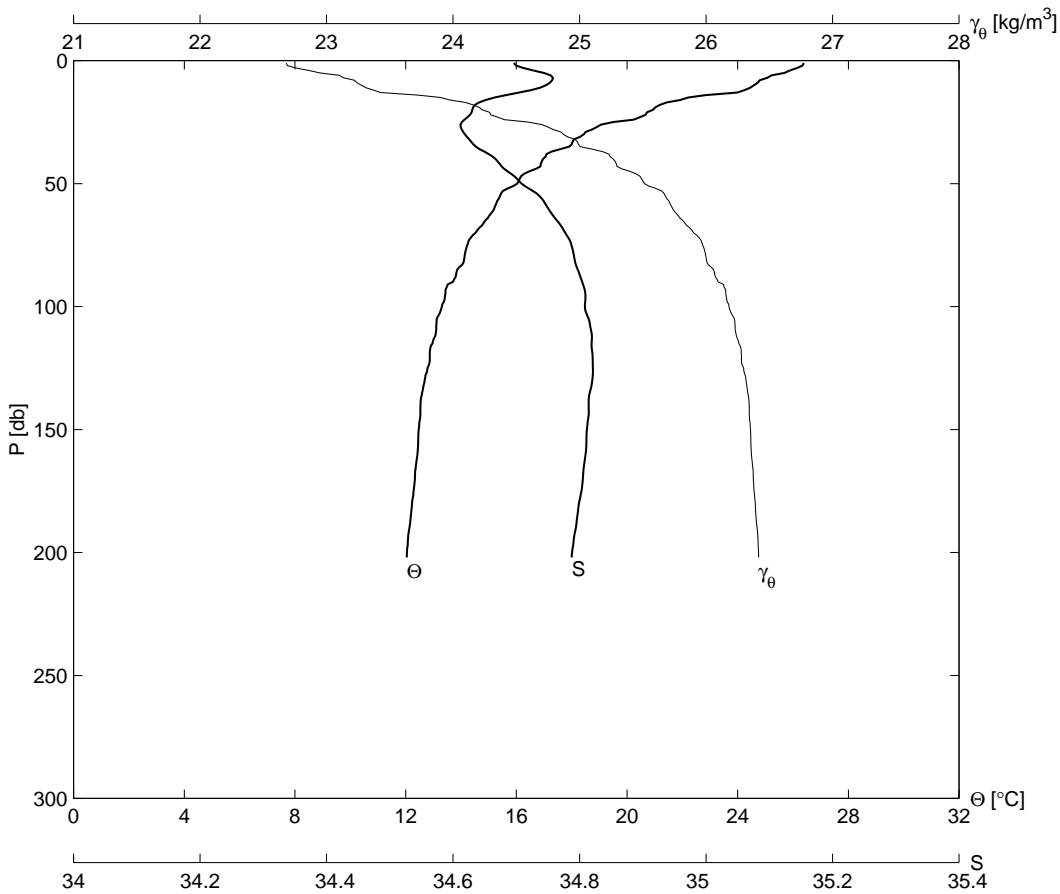
A.25

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A09	27	17 39.4	102 18.0	2	5	2001	1517		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1394.4	26.2	34.69	24.0	27.0	5.0	59	3	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.872	34.691	22.840	99.900	120.0	12.999	34.824	26.257	99.900
5.0	25.755	34.720	22.898	99.900	140.0	12.728	34.820	26.307	99.900
10.0	24.522	34.731	23.282	99.900	160.0	12.448	34.806	26.352	99.900
15.0	21.502	34.641	24.083	99.900	180.0	12.355	34.801	26.366	99.900
20.0	20.224	34.619	24.412	99.900	200.0	12.074	34.784	26.407	99.900
25.0	19.223	34.616	24.671	99.900	300.0	11.110	34.735	26.549	99.900
30.0	18.224	34.626	24.930	99.900	400.0	9.731	34.653	26.727	99.900
40.0	16.945	34.664	25.269	99.900	500.0	8.084	34.590	26.939	99.900
50.0	15.833	34.716	25.567	99.900	600.0	7.082	34.559	27.060	99.900
60.0	15.290	34.748	25.714	99.900	700.0	6.178	34.541	27.167	99.900
70.0	14.749	34.774	25.853	99.900	800.0	5.479	34.542	27.255	99.900
80.0	14.345	34.795	25.956	99.900	900.0	4.975	34.547	27.319	99.900
90.0	14.088	34.807	26.020	99.900	1000.0	4.433	34.554	27.385	99.900
100.0	13.733	34.813	26.098	99.900	1394.0	3.207	34.592	27.540	99.900

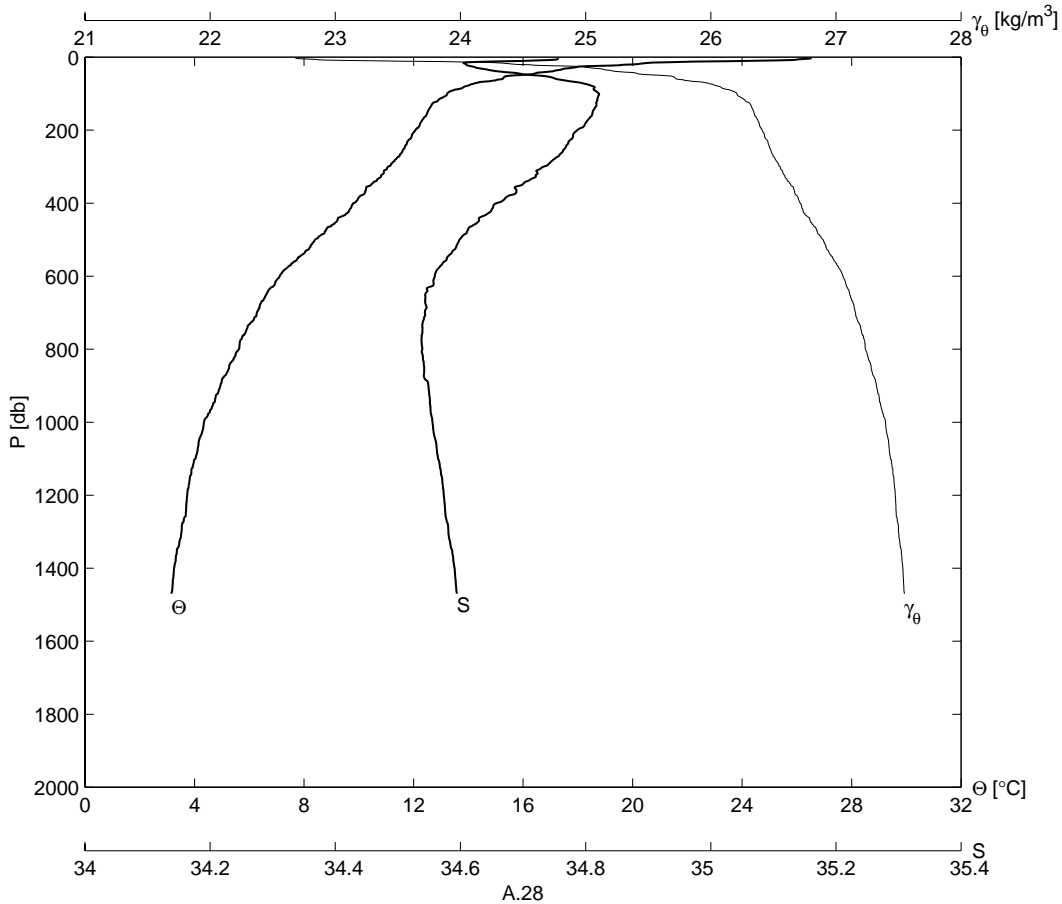


A.26

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A09	28	17 39.7	102 17.7	2	5	2001	1841		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
1385.0	26.6	34.69	24.0	27.0	7.5	350	9	1018.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.347	34.690	22.691	99.900	70.0	14.524	34.775	25.902	99.900
5.0	25.698	34.762	22.948	99.900	80.0	14.123	34.791	26.000	99.900
10.0	24.590	34.748	23.275	99.900	90.0	13.704	34.803	26.096	99.900
15.0	22.219	34.665	23.902	99.900	100.0	13.311	34.808	26.181	99.900
20.0	20.941	34.631	24.229	99.900	120.0	12.872	34.821	26.279	99.900
25.0	19.498	34.607	24.593	99.900	140.0	12.538	34.814	26.341	99.900
30.0	18.437	34.620	24.873	99.900	160.0	12.429	34.810	26.358	99.900
40.0	16.969	34.666	25.266	99.900	180.0	12.229	34.798	26.389	99.900
50.0	16.032	34.707	25.515	99.900	200.0	12.049	34.788	26.415	99.900
60.0	15.203	34.750	25.734	99.900	202.0	12.040	34.787	26.416	99.900

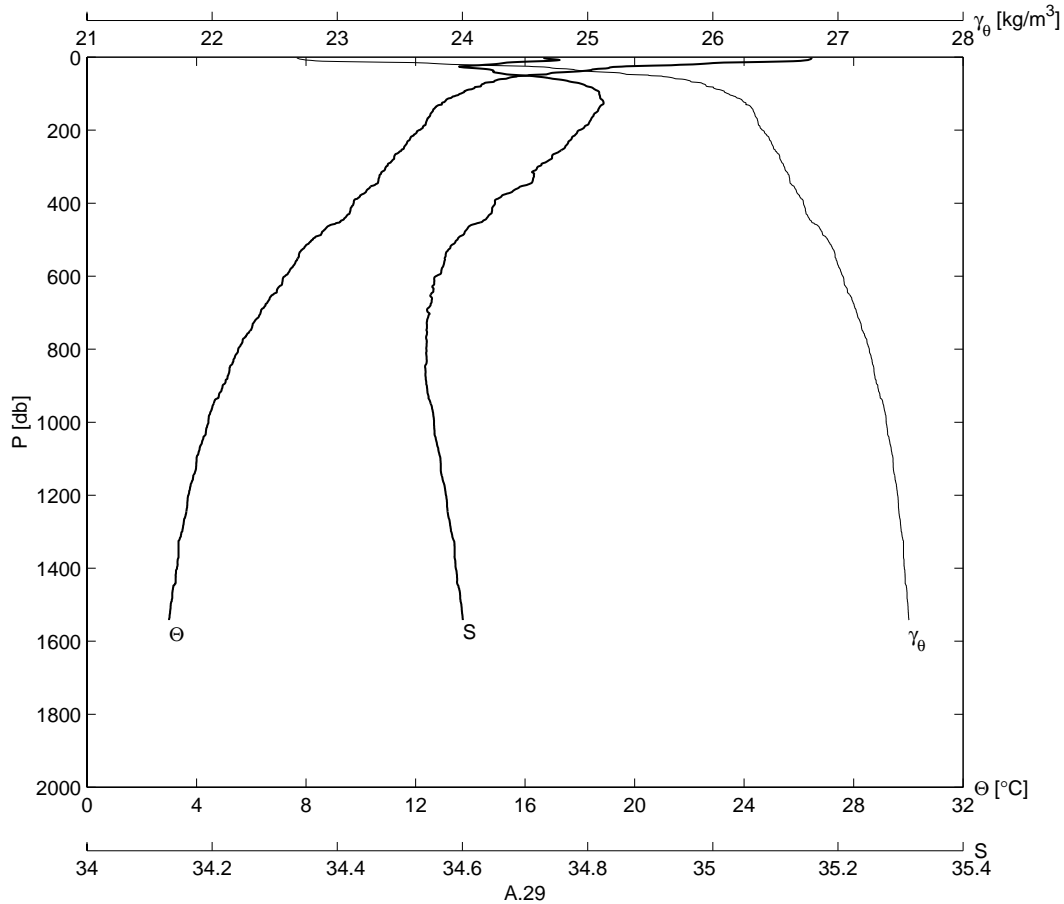


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A10	29	17 37.9	102 18.5	2	5	2001	1930		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1473.0	26.9	34.75	25.2	28.0	6.1	351	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.217	34.754	22.780	99.900	120.0	12.882	34.819	26.276	99.900
10.0	24.226	34.710	23.354	99.900	140.0	12.585	34.814	26.331	99.900
15.0	20.742	34.592	24.253	99.900	160.0	12.461	34.810	26.353	99.900
20.0	20.014	34.598	24.451	99.900	180.0	12.258	34.801	26.385	99.900
25.0	18.234	34.619	24.922	99.900	200.0	12.070	34.787	26.410	99.900
30.0	17.701	34.627	25.059	99.900	300.0	11.078	34.733	26.553	99.900
40.0	16.938	34.662	25.269	99.900	400.0	9.807	34.656	26.716	99.900
50.0	15.670	34.722	25.608	99.900	500.0	8.401	34.598	26.898	99.900
60.0	15.242	34.753	25.728	99.900	600.0	7.115	34.559	27.055	99.900
70.0	14.342	34.791	25.953	99.900	700.0	6.278	34.543	27.156	99.900
80.0	13.887	34.812	26.066	99.900	800.0	5.619	34.539	27.236	99.900
90.0	13.470	34.814	26.153	99.900	900.0	4.946	34.549	27.324	99.900
100.0	13.229	34.822	26.209	99.900	1000.0	4.347	34.556	27.396	99.900
1470.0	3.155	34.595	27.547	99.900					

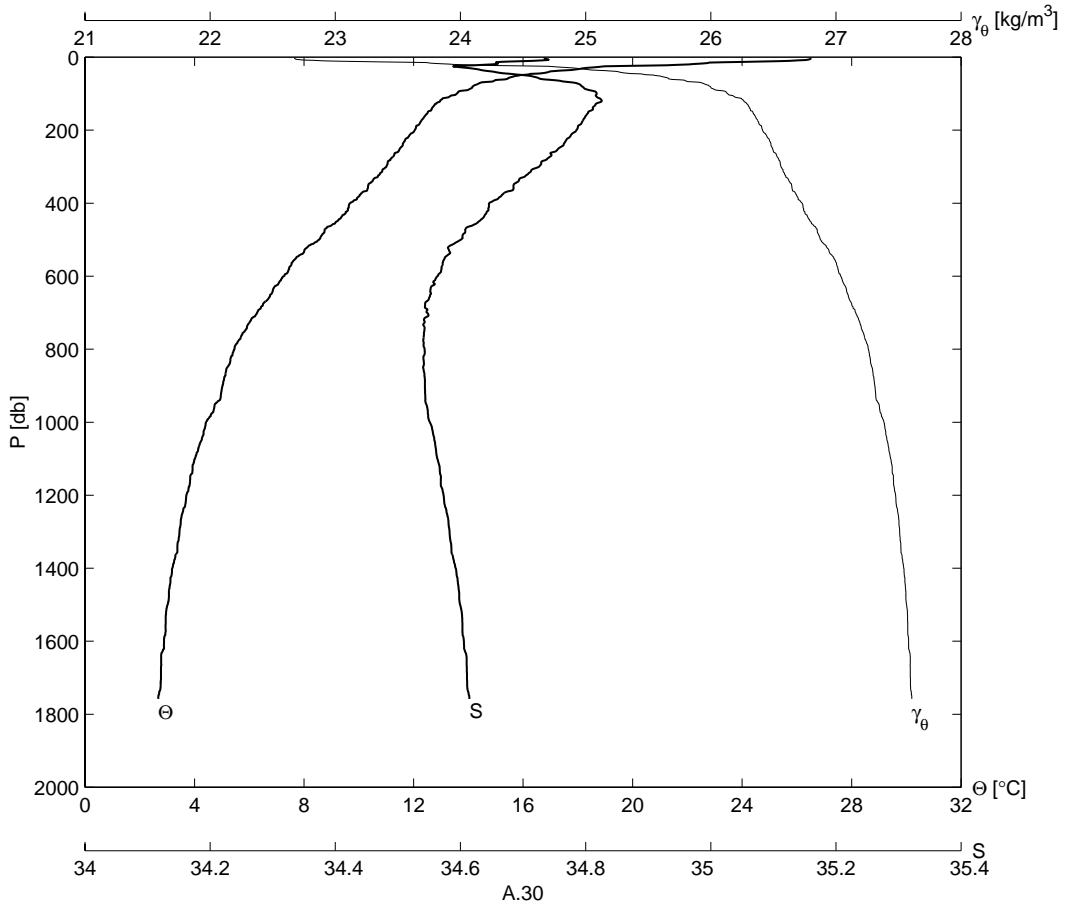


A.28

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
All	30	17 35.6	102 19.6	2	5	2001	2109		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1630.0	26.8	34.71	25.2	27.5	11.6	9	9	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.472	34.723	22.677	99.900	120.0	13.091	34.825	26.239	99.900
5.0	26.441	34.737	22.697	99.900	140.0	12.702	34.819	26.312	99.900
10.0	26.057	34.751	22.828	99.900	160.0	12.532	34.810	26.338	99.900
15.0	23.261	34.661	23.601	99.900	180.0	12.382	34.802	26.362	99.900
20.0	22.128	34.650	23.916	99.900	200.0	12.128	34.787	26.399	99.900
25.0	19.698	34.592	24.530	99.900	300.0	10.923	34.720	26.571	99.900
30.0	19.035	34.619	24.721	99.900	400.0	9.739	34.652	26.724	99.900
40.0	17.764	34.644	25.057	99.900	500.0	8.240	34.592	26.917	99.900
50.0	16.127	34.700	25.488	99.900	600.0	7.229	34.558	27.039	99.900
60.0	15.114	34.751	25.755	99.900	700.0	6.338	34.546	27.150	99.900
70.0	14.564	34.785	25.901	99.900	800.0	5.524	34.542	27.250	99.900
80.0	14.384	34.798	25.950	99.900	900.0	4.955	34.543	27.318	99.900
90.0	13.880	34.813	26.068	99.900	1000.0	4.435	34.554	27.385	99.900
100.0	13.648	34.818	26.120	99.900	1500.0	3.061	34.598	27.559	99.900
1542.0	2.997	34.601	27.567	99.900					

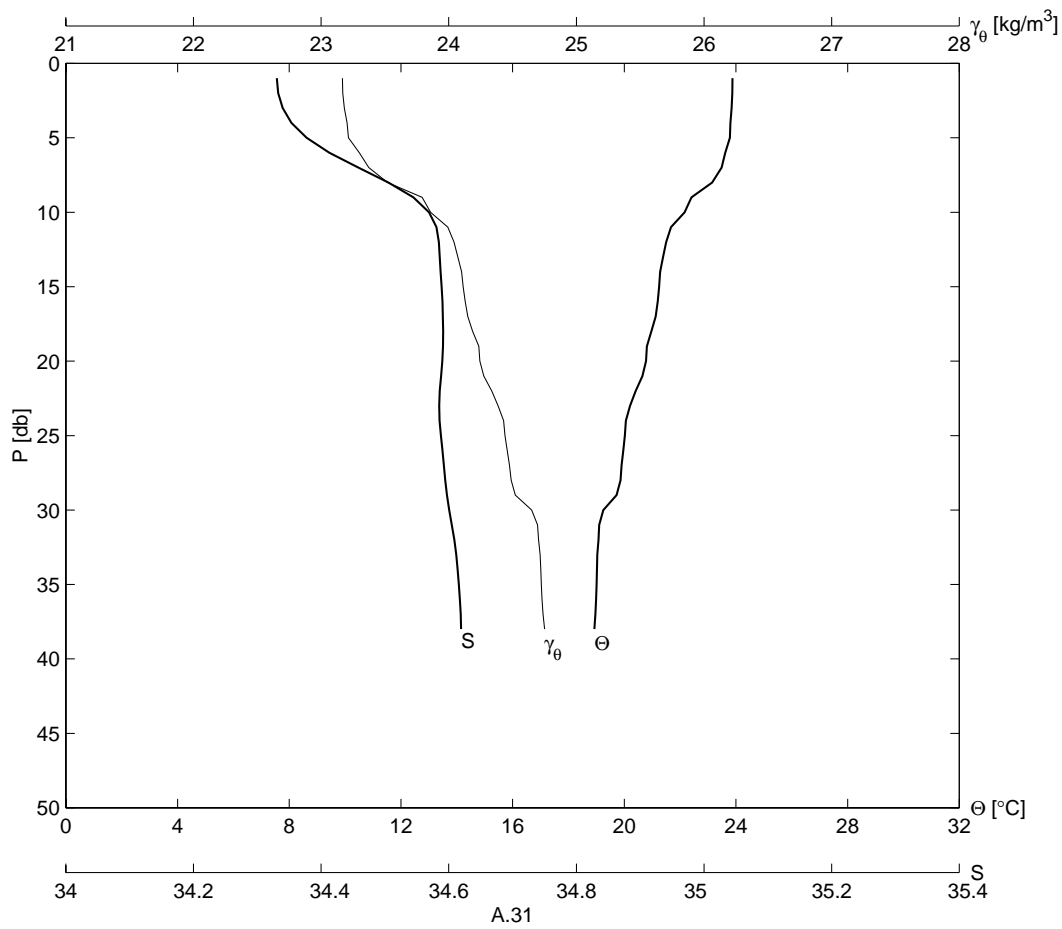


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A12	31	17 34.0	102 20.0	2	5	2001	2231		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1786.0	26.8	34.73	25.5	28.0	10.1	356	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.490	34.733	22.678	99.900	120.0	12.970	34.826	26.264	99.900
5.0	26.491	34.735	22.680	99.900	140.0	12.677	34.811	26.311	99.900
10.0	25.719	34.726	22.913	99.900	160.0	12.431	34.800	26.351	99.900
15.0	22.808	34.658	23.730	99.900	180.0	12.239	34.794	26.383	99.900
20.0	22.050	34.660	23.945	99.900	200.0	12.046	34.785	26.414	99.900
25.0	18.984	34.575	24.700	99.900	300.0	11.009	34.726	26.561	99.900
30.0	18.238	34.614	24.918	99.900	400.0	9.674	34.645	26.730	99.900
40.0	16.960	34.656	25.259	99.900	500.0	8.549	34.601	26.877	99.900
50.0	15.861	34.704	25.552	99.900	600.0	7.264	34.563	27.037	99.900
60.0	15.391	34.726	25.674	99.900	700.0	6.283	34.546	27.157	99.900
70.0	14.461	34.783	25.921	99.900	800.0	5.455	34.543	27.259	99.900
80.0	14.164	34.794	25.993	99.900	900.0	5.020	34.543	27.311	99.900
90.0	13.986	34.807	26.041	99.900	1000.0	4.424	34.551	27.384	99.900
100.0	13.573	34.818	26.135	99.900	1500.0	3.017	34.599	27.564	99.900
1758.0	2.677	34.614	27.606	99.900					



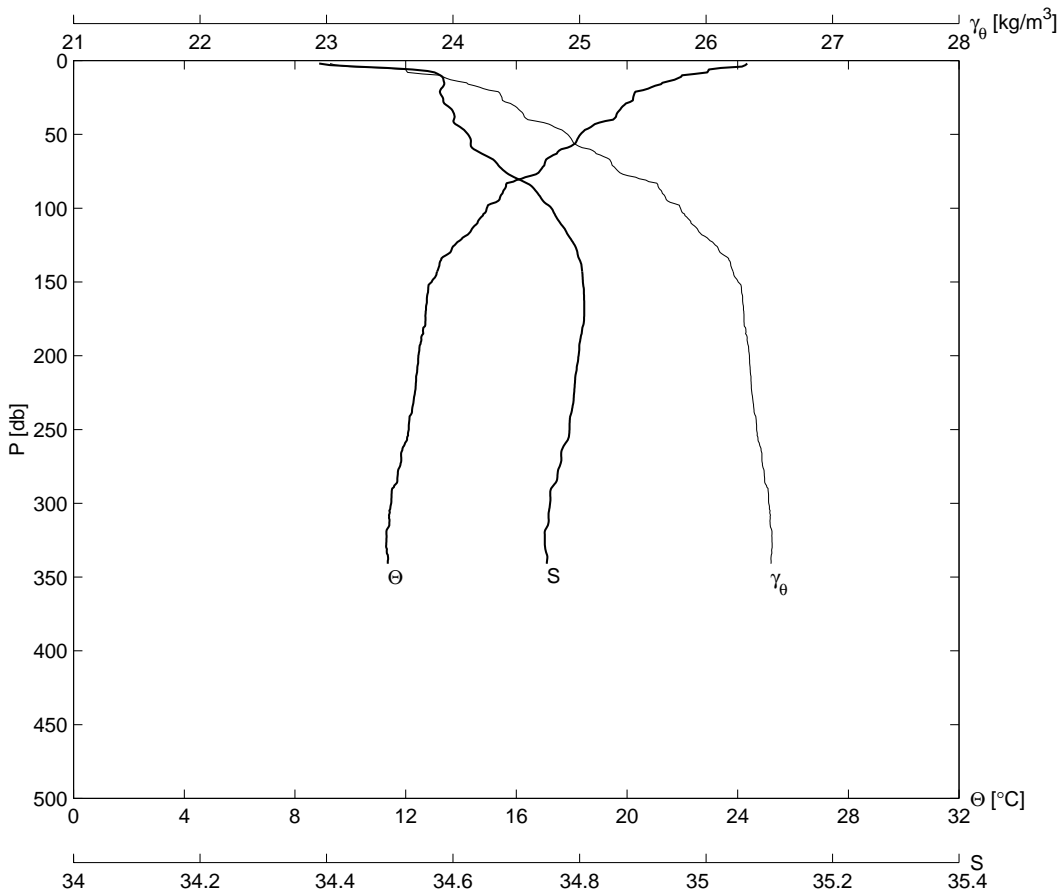
A.30

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F01	32	17 56.1	101 57.8	3	5	2001	421		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
41.0	24.2	34.26	23.0	24.5	2.6	51	9	1018.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	23.872	34.328	23.170	99.900	20.0	20.782	34.594	24.244	99.900
5.0	23.782	34.350	23.214	99.900	25.0	20.023	34.587	24.441	99.900
10.0	22.162	34.586	23.857	99.900	30.0	19.250	34.598	24.650	99.900
15.0	21.252	34.590	24.113	99.900	38.0	18.929	34.623	24.751	99.900



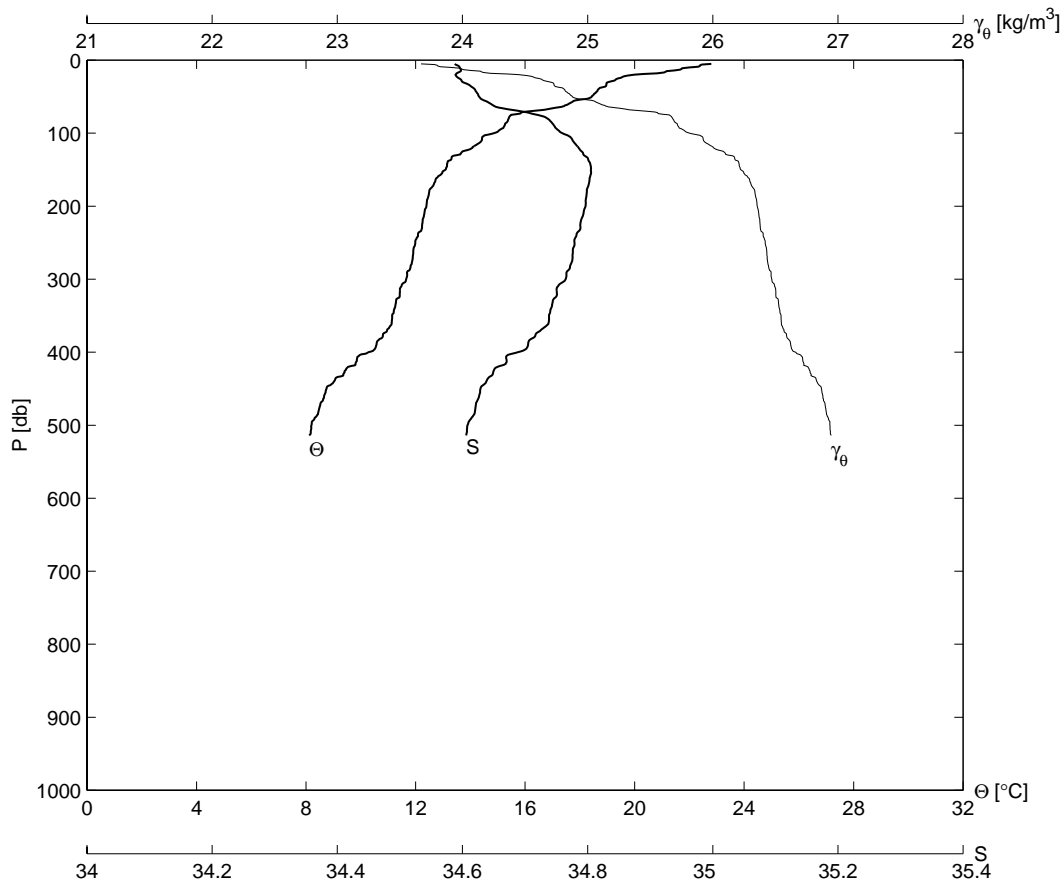
A.31

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F02	33	17 54.3	101 58.1	3	5	2001	450		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
341.8	24.7	34.32	23.5	25.0	3.9	286	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	24.343	34.323	23.028	99.900	70.0	17.025	34.670	25.255	99.900
5.0	23.392	34.516	23.453	99.900	80.0	16.194	34.699	25.471	99.900
10.0	21.992	34.587	23.907	99.900	90.0	15.501	34.733	25.655	99.900
15.0	21.280	34.592	24.107	99.900	100.0	14.933	34.756	25.799	99.900
20.0	20.585	34.577	24.284	99.900	120.0	14.057	34.785	26.009	99.900
25.0	20.224	34.585	24.386	99.900	140.0	13.201	34.803	26.200	99.900
30.0	19.911	34.588	24.471	99.900	160.0	12.775	34.807	26.288	99.900
40.0	19.499	34.606	24.592	99.900	180.0	12.702	34.806	26.302	99.900
50.0	18.316	34.624	24.906	99.900	200.0	12.462	34.798	26.343	99.900
60.0	17.628	34.633	25.082	99.900	300.0	11.477	34.754	26.496	99.900
341.0	11.357	34.748	26.514	99.900					



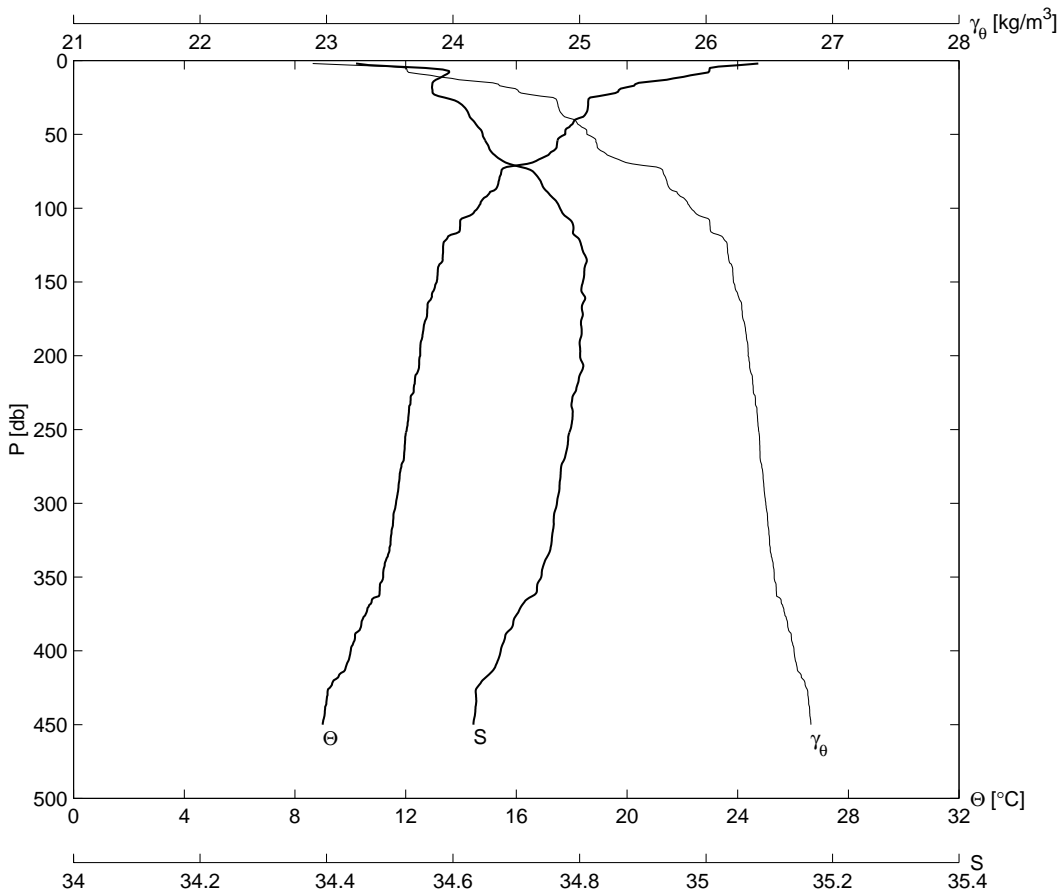
A.32

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F03	34	17 52.5	101 59.0	3	5	2001	610		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
516.0	24.9	34.14	23.9	24.8	0.8	94	9	1018.0	
PR	Θ	SA	γ_{θ}	OX	PR	Θ	SA	γ_{θ}	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	22.805	34.578	23.669	99.900	90.0	15.250	34.746	25.721	99.900
10.0	22.000	34.591	23.907	99.900	100.0	14.872	34.757	25.812	99.900
15.0	21.166	34.598	24.142	99.900	120.0	14.073	34.786	26.006	99.900
20.0	19.983	34.589	24.453	99.900	140.0	13.166	34.804	26.207	99.900
25.0	19.400	34.593	24.608	99.900	160.0	12.810	34.804	26.279	99.900
30.0	19.036	34.596	24.703	99.900	180.0	12.500	34.799	26.336	99.900
40.0	18.669	34.620	24.814	99.900	200.0	12.396	34.797	26.355	99.900
50.0	18.435	34.627	24.878	99.900	300.0	11.656	34.765	26.471	99.900
60.0	17.589	34.645	25.100	99.900	400.0	10.279	34.689	26.661	99.900
70.0	16.140	34.695	25.481	99.900	500.0	8.195	34.607	26.936	99.900
80.0	15.400	34.736	25.680	99.900	514.0	8.114	34.605	26.947	99.900

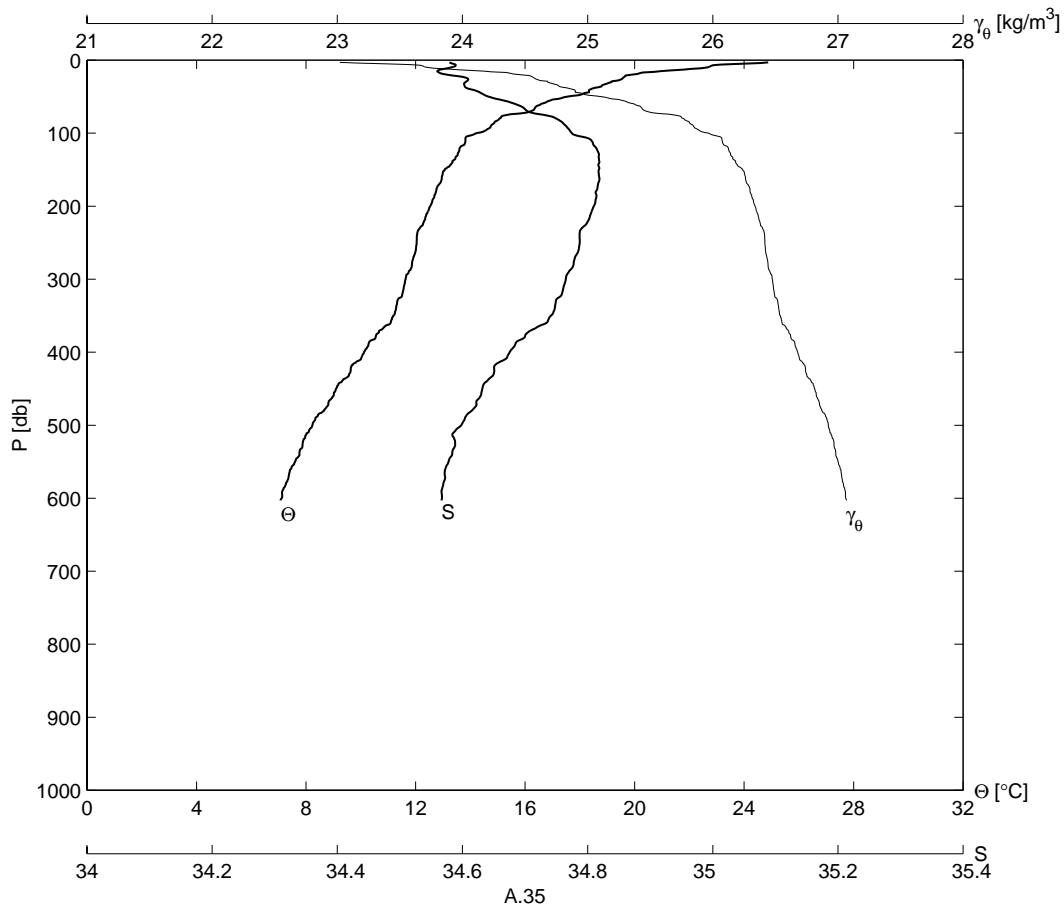


A.33

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F04	35	17 50.9	102 0.1	3	5	2001	653		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
460.4	25.1	34.23	24.0	25.0	1.9	122	9	1018.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	24.744	34.301	22.891	99.900	80.0	15.387	34.737	25.683	99.900
5.0	22.997	34.599	23.631	99.900	90.0	15.028	34.752	25.774	99.900
10.0	22.296	34.588	23.822	99.900	100.0	14.602	34.770	25.881	99.900
15.0	20.431	34.561	24.313	99.900	120.0	13.512	34.802	26.136	99.900
20.0	19.702	34.570	24.512	99.900	140.0	13.174	34.807	26.208	99.900
25.0	18.674	34.590	24.791	99.900	160.0	12.954	34.812	26.256	99.900
30.0	18.595	34.614	24.829	99.900	180.0	12.657	34.803	26.308	99.900
40.0	18.122	34.633	24.961	99.900	200.0	12.525	34.801	26.333	99.900
50.0	17.769	34.647	25.058	99.900	300.0	11.649	34.764	26.472	99.900
60.0	17.413	34.657	25.153	99.900	400.0	10.019	34.676	26.695	99.900
70.0	16.392	34.688	25.418	99.900	450.0	9.005	34.632	26.829	99.900

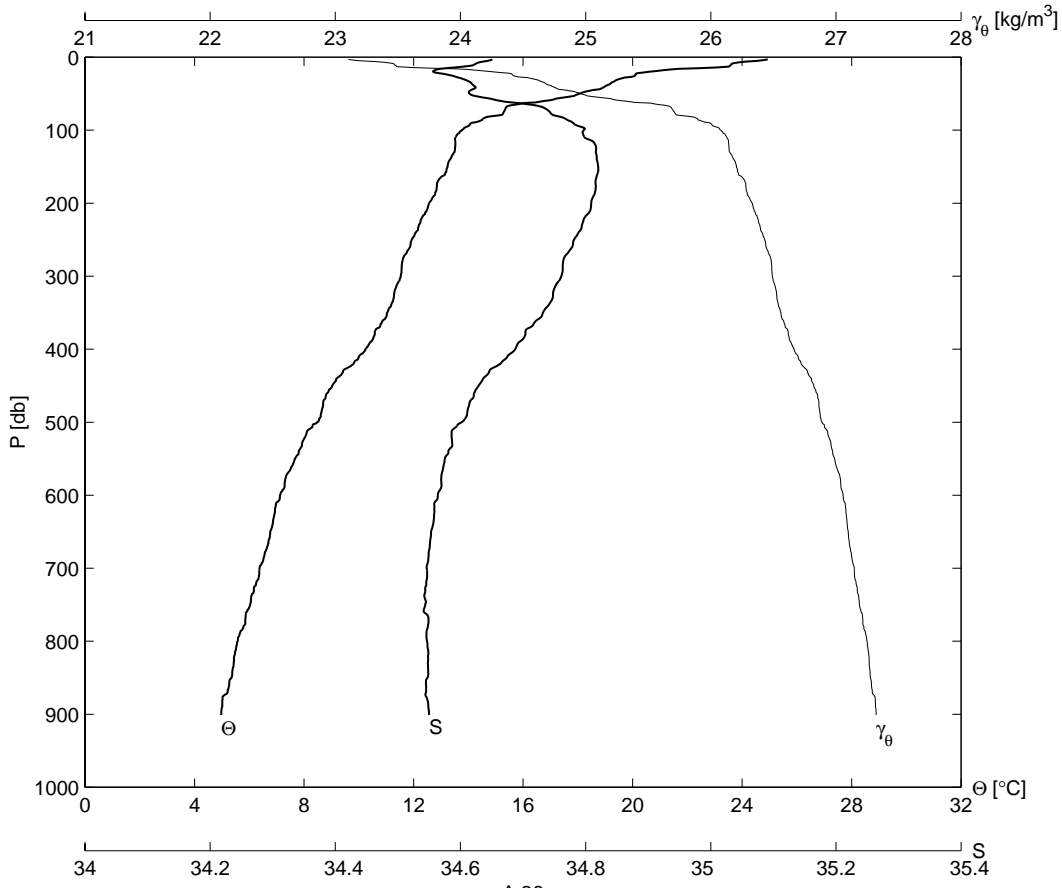


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F05	36	17 49.2	102 1.1	3	5	2001	730		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
605.0	25.3	34.50	23.9	25.0	1.4	144	9	1018.0	
PR	Θ	SA	γ_{θ}	OX	PR	Θ	SA	γ_{θ}	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	23.789	34.599	23.400	99.900	90.0	14.757	34.766	25.845	99.900
10.0	22.656	34.587	23.719	99.900	100.0	14.226	34.775	25.965	99.900
15.0	20.954	34.563	24.174	99.900	120.0	13.617	34.814	26.123	99.900
20.0	19.889	34.567	24.461	99.900	140.0	13.345	34.819	26.183	99.900
25.0	19.560	34.609	24.579	99.900	160.0	12.959	34.818	26.260	99.900
30.0	19.151	34.607	24.682	99.900	180.0	12.750	34.812	26.297	99.900
40.0	18.384	34.613	24.880	99.900	200.0	12.536	34.810	26.338	99.900
50.0	17.543	34.641	25.109	99.900	300.0	11.637	34.765	26.475	99.900
60.0	16.584	34.686	25.372	99.900	400.0	10.116	34.676	26.679	99.900
70.0	16.206	34.703	25.472	99.900	500.0	8.232	34.598	26.923	99.900
80.0	15.064	34.750	25.765	99.900	600.0	7.111	34.567	27.062	99.900
603.0	7.072	34.566	27.067	99.900					

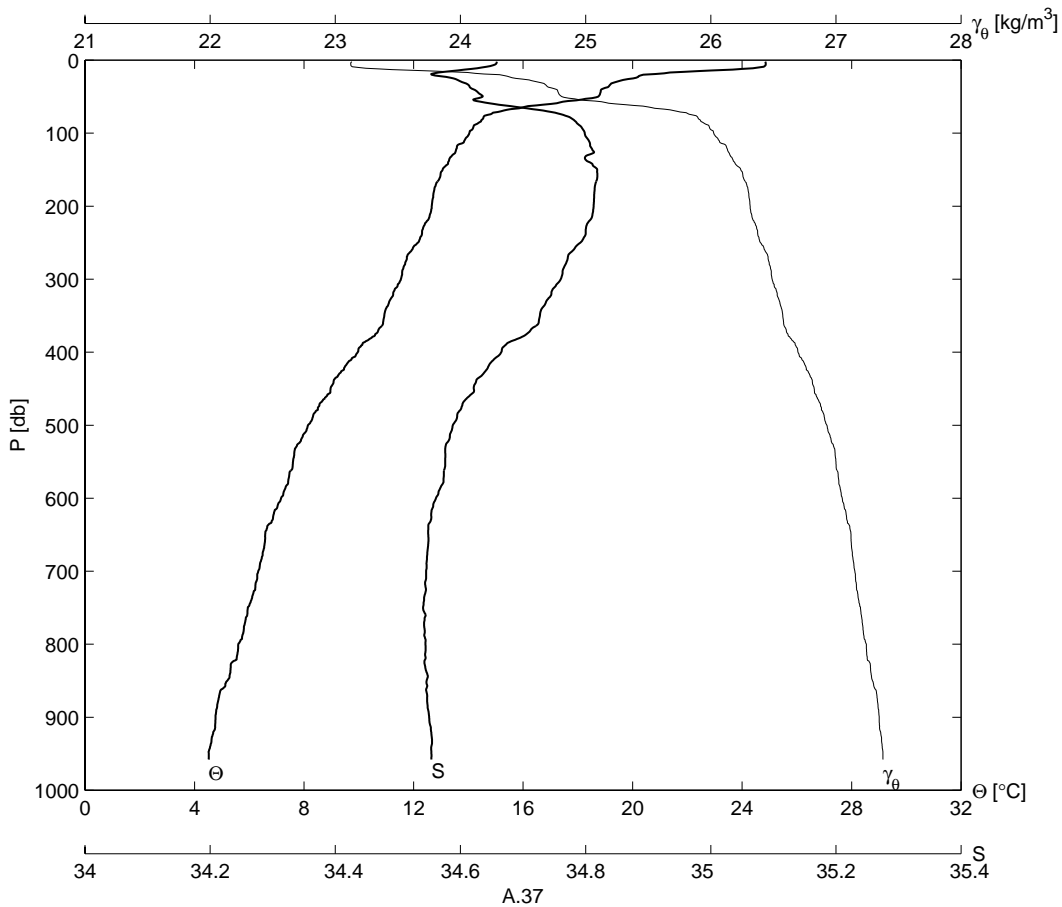


A.35

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F06	37	17 47.3	102 2.1	3	5	2001	820		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
907.0	25.2	34.66	23.9	24.8	4.6	133	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	24.558	34.648	23.208	99.900	120.0	13.525	34.816	26.144	99.900
10.0	23.605	34.623	23.472	99.900	140.0	13.337	34.818	26.184	99.900
15.0	22.497	34.573	23.753	99.900	160.0	13.152	34.819	26.222	99.900
20.0	20.622	34.542	24.247	99.900	180.0	12.842	34.816	26.282	99.900
25.0	20.098	34.586	24.420	99.900	200.0	12.568	34.809	26.331	99.900
30.0	19.503	34.604	24.589	99.900	300.0	11.533	34.761	26.492	99.900
40.0	18.999	34.624	24.734	99.900	400.0	10.246	34.686	26.665	99.900
50.0	18.071	34.613	24.958	99.900	500.0	8.473	34.602	26.889	99.900
60.0	16.781	34.656	25.302	99.900	600.0	7.127	34.564	27.057	99.900
70.0	15.364	34.735	25.687	99.900	700.0	6.370	34.546	27.146	99.900
80.0	15.044	34.748	25.768	99.900	800.0	5.575	34.546	27.247	99.900
90.0	14.121	34.781	25.992	99.900	900.0	4.973	34.550	27.322	99.900
100.0	13.758	34.796	26.080	99.900	901.0	4.972	34.550	27.322	99.900

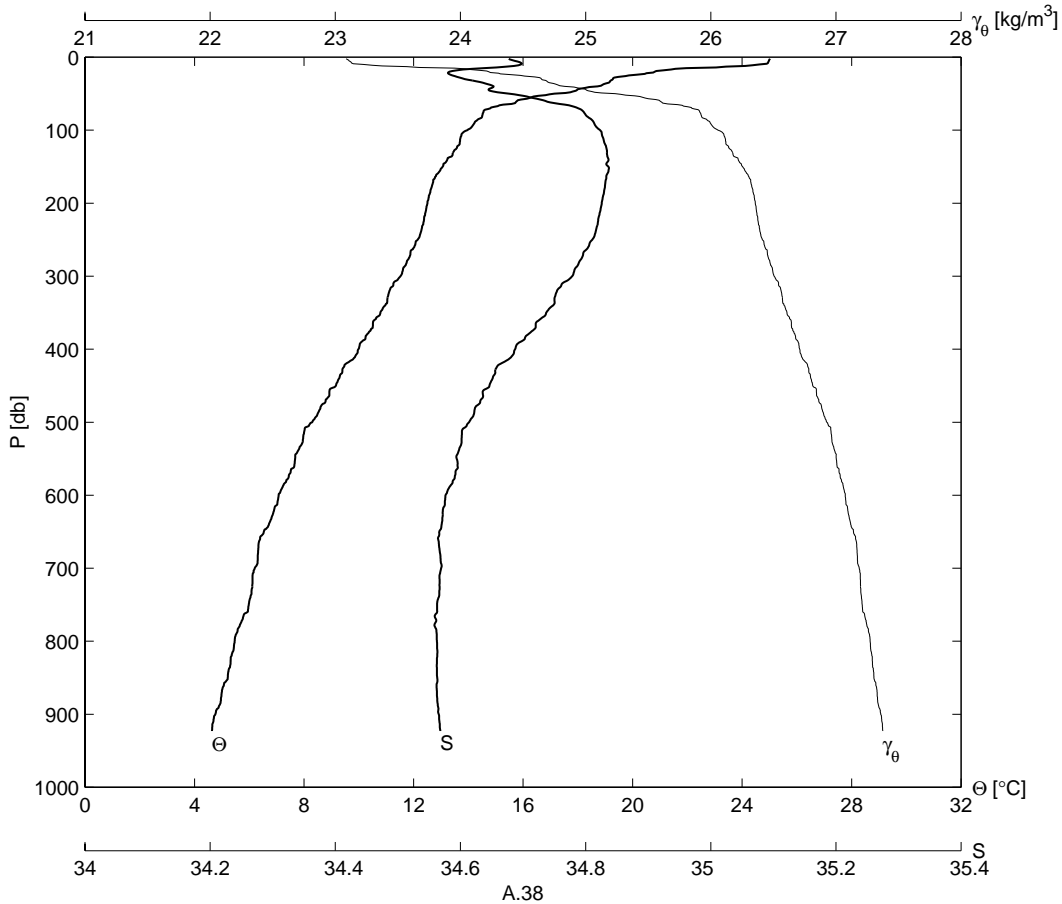


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F07	38	17 45.3	102 3.0	3	5	2001	920		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1056.0	25.2	34.65	23.9	25.2	5.4	75	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	24.842	34.659	23.131	99.900	100.0	14.039	34.798	26.023	99.900
5.0	24.865	34.658	23.124	99.900	120.0	13.583	34.810	26.127	99.900
10.0	24.609	34.634	23.182	99.900	140.0	13.261	34.807	26.191	99.900
15.0	22.358	34.586	23.802	99.900	160.0	12.972	34.819	26.258	99.900
20.0	20.390	34.546	24.313	99.900	180.0	12.745	34.814	26.300	99.900
25.0	20.020	34.590	24.444	99.900	200.0	12.663	34.813	26.315	99.900
30.0	19.371	34.601	24.621	99.900	300.0	11.536	34.760	26.490	99.900
40.0	18.864	34.621	24.766	99.900	400.0	9.963	34.665	26.697	99.900
50.0	18.744	34.639	24.811	99.900	500.0	8.144	34.587	26.928	99.900
60.0	17.028	34.651	25.240	99.900	600.0	7.160	34.561	27.051	99.900
70.0	15.184	34.742	25.732	99.900	700.0	6.328	34.545	27.151	99.900
80.0	14.540	34.778	25.901	99.900	800.0	5.599	34.544	27.242	99.900
90.0	14.198	34.792	25.985	99.900	900.0	4.766	34.550	27.345	99.900
958.0	4.511	34.554	27.376	99.900					



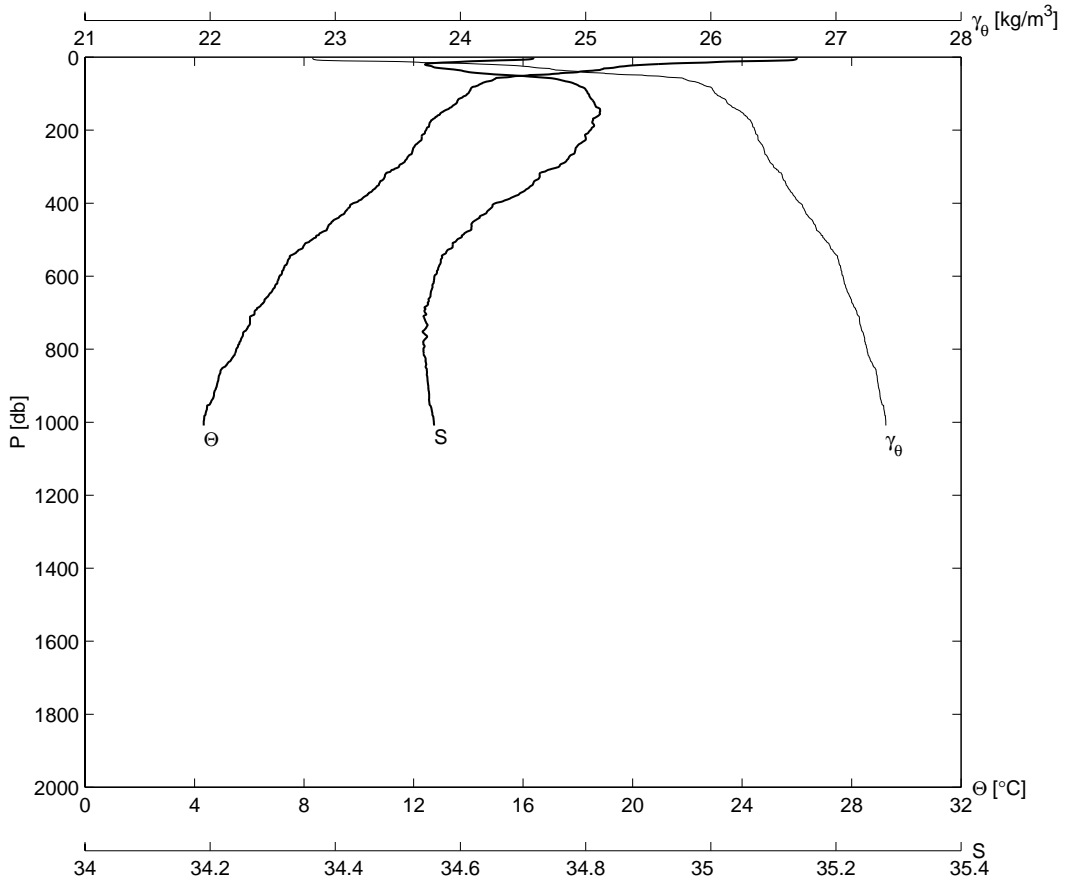
A.37

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F08	39	17 43.6	102 3.6	3	5	2001	1031		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
967.0	25.6	34.62	23.0	24.0	6.3	57	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.018	34.672	23.088	99.900	100.0	13.968	34.823	26.057	99.900
5.0	24.978	34.686	23.111	99.900	120.0	13.669	34.832	26.126	99.900
10.0	24.644	34.702	23.224	99.900	140.0	13.235	34.837	26.219	99.900
15.0	21.966	34.638	23.952	99.900	160.0	12.863	34.835	26.293	99.900
20.0	20.812	34.580	24.225	99.900	180.0	12.645	34.830	26.332	99.900
25.0	19.868	34.586	24.480	99.900	200.0	12.506	34.826	26.356	99.900
30.0	19.283	34.605	24.647	99.900	300.0	11.525	34.779	26.507	99.900
40.0	18.718	34.661	24.833	99.900	400.0	9.988	34.688	26.710	99.900
50.0	17.149	34.683	25.235	99.900	500.0	8.294	34.616	26.928	99.900
60.0	15.784	34.736	25.593	99.900	600.0	7.075	34.576	27.074	99.900
70.0	14.805	34.786	25.850	99.900	700.0	6.201	34.569	27.186	99.900
80.0	14.509	34.801	25.925	99.900	800.0	5.465	34.562	27.273	99.900
90.0	14.227	34.813	25.994	99.900	900.0	4.759	34.565	27.358	99.900
923.0	4.638	34.568	27.374	99.900					



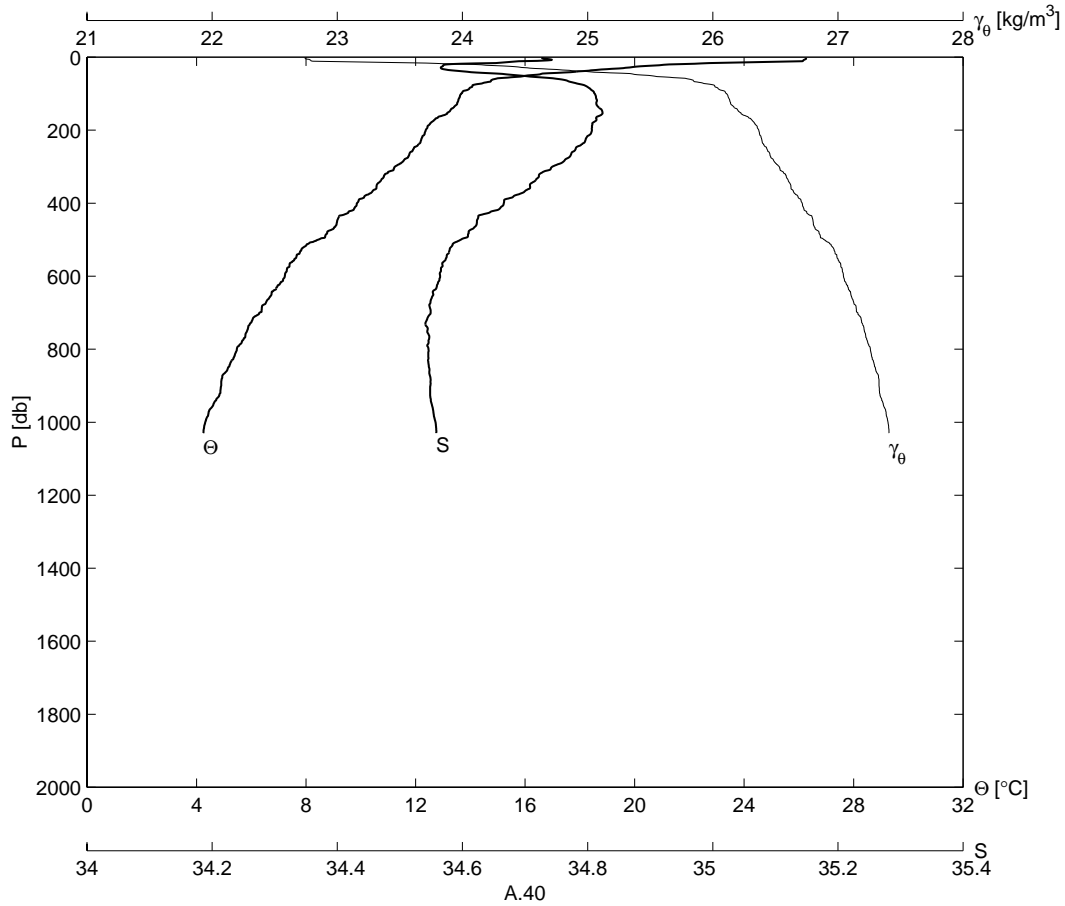
A.38

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F09	40	17 41.7	102 4.2	3	5	2001	1125		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1122.0	26.3	34.71	23.0	24.0	4.9	294	9	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.999	34.718	22.821	99.900	120.0	13.603	34.812	26.124	99.900
5.0	25.984	34.715	22.823	99.900	140.0	13.306	34.823	26.194	99.900
10.0	24.910	34.600	23.066	99.900	160.0	12.875	34.821	26.279	99.900
15.0	22.690	34.561	23.690	99.900	180.0	12.589	34.810	26.327	99.900
20.0	20.650	34.541	24.239	99.900	200.0	12.459	34.808	26.352	99.900
25.0	19.692	34.555	24.503	99.900	300.0	11.469	34.758	26.501	99.900
30.0	19.151	34.563	24.649	99.900	400.0	9.792	34.654	26.717	99.900
40.0	18.061	34.610	24.959	99.900	500.0	8.280	34.594	26.913	99.900
50.0	16.183	34.688	25.466	99.900	600.0	7.108	34.559	27.056	99.900
60.0	14.949	34.755	25.794	99.900	700.0	6.191	34.543	27.167	99.900
70.0	14.544	34.779	25.900	99.900	800.0	5.526	34.541	27.249	99.900
80.0	14.271	34.791	25.968	99.900	900.0	4.814	34.549	27.339	99.900
90.0	14.079	34.800	26.016	99.900	1000.0	4.338	34.557	27.398	99.900
100.0	13.984	34.804	26.039	99.900	1009.0	4.336	34.557	27.399	99.900

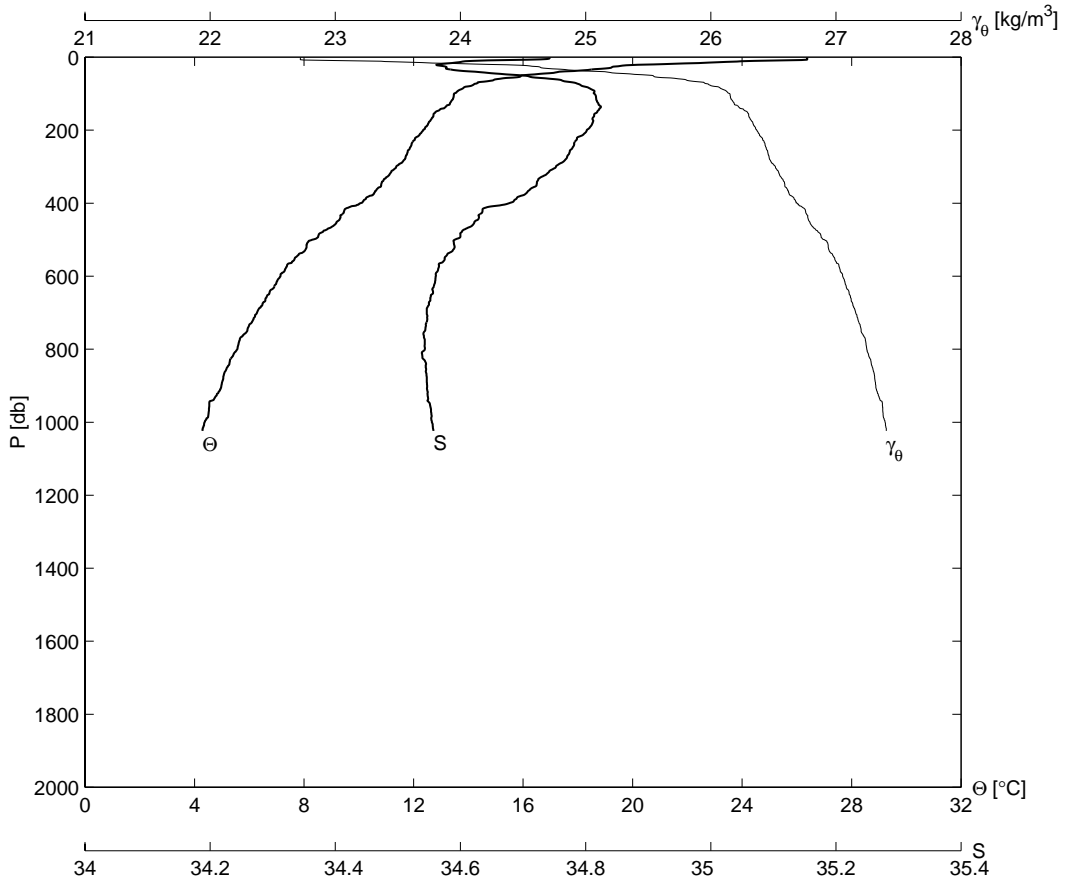


A.39

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F10	41	17 40.1	102 5.2	3	5	2001	1238		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1052.0	26.6	34.72	23.5	25.5	0.0	0	9	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.266	34.718	22.738	99.900	120.0	13.558	34.815	26.136	99.900
5.0	26.260	34.732	22.750	99.900	140.0	13.346	34.818	26.182	99.900
10.0	26.150	34.741	22.791	99.900	160.0	12.975	34.820	26.259	99.900
20.0	21.264	34.564	24.090	99.900	180.0	12.561	34.808	26.331	99.900
25.0	20.212	34.566	24.375	99.900	200.0	12.374	34.807	26.367	99.900
30.0	19.588	34.566	24.538	99.900	300.0	11.252	34.744	26.530	99.900
40.0	17.866	34.611	25.007	99.900	400.0	9.859	34.666	26.715	99.900
50.0	16.100	34.691	25.487	99.900	500.0	8.437	34.597	26.891	99.900
60.0	14.875	34.755	25.810	99.900	600.0	7.225	34.564	27.044	99.900
70.0	14.509	34.778	25.907	99.900	700.0	6.297	34.550	27.159	99.900
80.0	14.073	34.799	26.016	99.900	800.0	5.474	34.546	27.259	99.900
90.0	13.878	34.806	26.063	99.900	900.0	4.903	34.549	27.329	99.900
100.0	13.663	34.812	26.112	99.900	1000.0	4.318	34.557	27.400	99.900
1030.0	4.246	34.558	27.409	99.900					

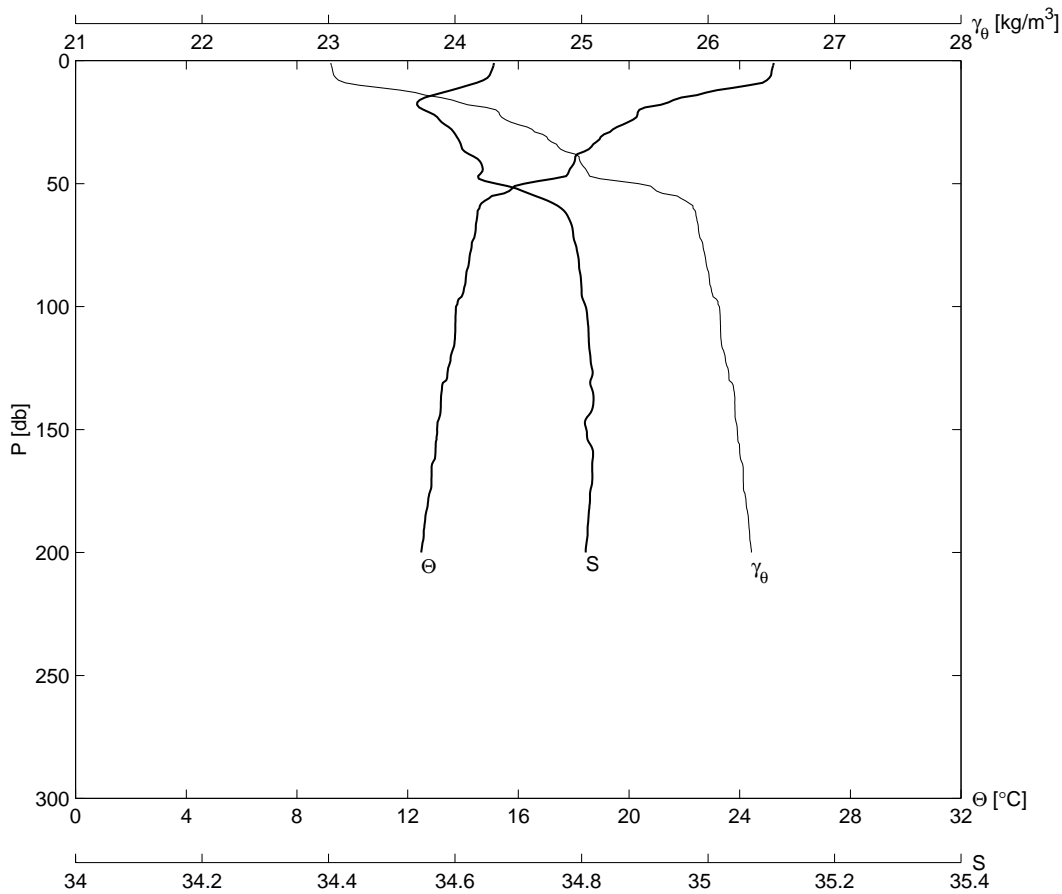


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F11	42	17 38.3	102 6.0	3	5	2001	1343		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1096.0	26.2	34.74	23.0	25.3	0.0	0	7	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.377	34.743	22.722	99.900	120.0	13.382	34.818	26.175	99.900
5.0	26.379	34.742	22.720	99.900	140.0	13.115	34.823	26.233	99.900
10.0	24.444	34.566	23.181	99.900	160.0	12.727	34.814	26.303	99.900
15.0	22.809	34.608	23.691	99.900	180.0	12.553	34.811	26.335	99.900
20.0	20.773	34.565	24.224	99.900	200.0	12.358	34.802	26.366	99.900
25.0	19.474	34.572	24.573	99.900	300.0	11.365	34.752	26.516	99.900
30.0	19.130	34.577	24.665	99.900	400.0	10.052	34.676	26.690	99.900
40.0	17.327	34.630	25.153	99.900	500.0	8.296	34.591	26.908	99.900
50.0	15.946	34.702	25.531	99.900	600.0	7.139	34.561	27.054	99.900
60.0	15.049	34.750	25.768	99.900	700.0	6.281	34.547	27.158	99.900
70.0	14.345	34.784	25.947	99.900	800.0	5.563	34.543	27.246	99.900
80.0	13.996	34.794	26.029	99.900	900.0	4.982	34.547	27.318	99.900
90.0	13.666	34.812	26.111	99.900	1000.0	4.367	34.554	27.392	99.900
100.0	13.477	34.814	26.152	99.900	1024.0	4.294	34.556	27.402	99.900



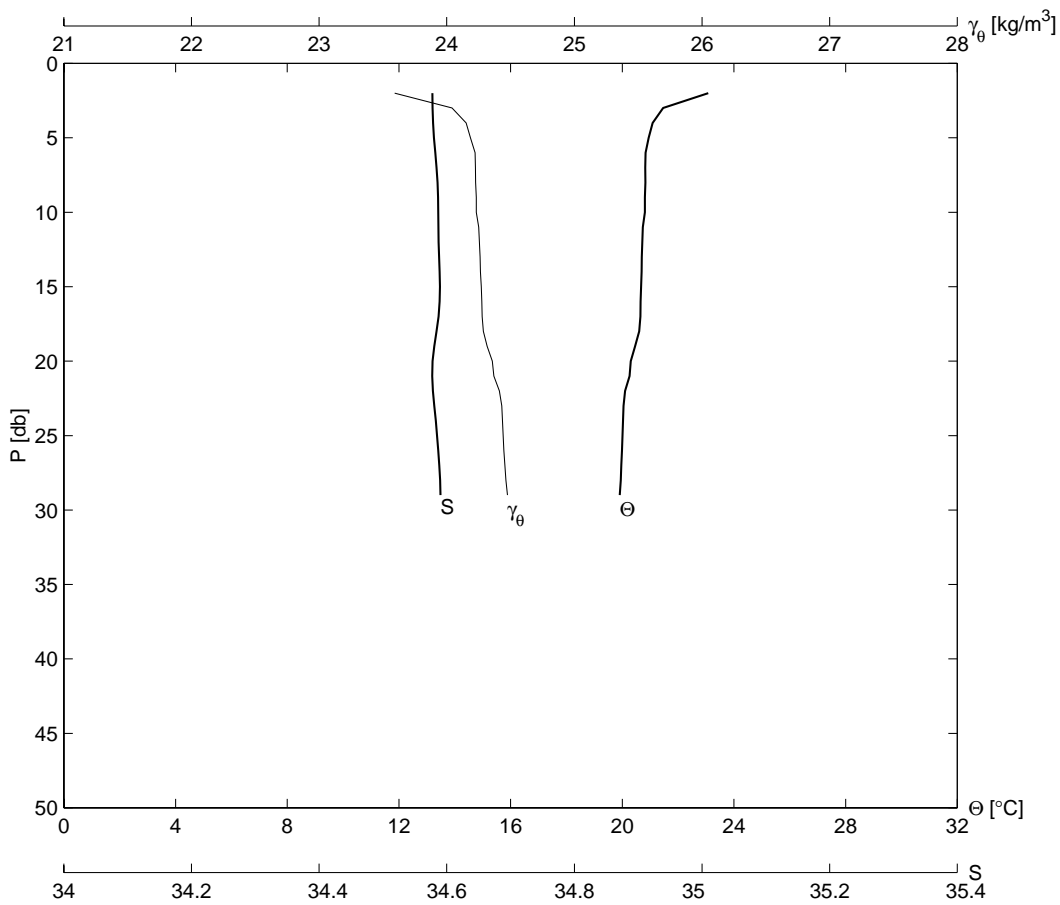
A.41

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
F08	43	17 43.6	102 3.6	3	5	2001	1558		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
966.6	25.6	34.66	23.0	25.0	1.8	123	6	1018.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[$^{\circ}\text{C}$]		[kg/m^3]	[ml/l]	[db]	[$^{\circ}\text{C}$]		[kg/m^3]	[ml/l]
2.0	25.208	34.662	23.022	99.900	70.0	14.448	34.787	25.927	99.900
5.0	25.148	34.655	23.036	99.900	80.0	14.238	34.795	25.979	99.900
10.0	24.345	34.607	23.241	99.900	90.0	14.096	34.800	26.012	99.900
15.0	21.897	34.524	23.885	99.900	100.0	13.751	34.807	26.090	99.900
20.0	20.372	34.552	24.322	99.900	120.0	13.564	34.814	26.134	99.900
25.0	19.975	34.569	24.440	99.900	140.0	13.201	34.819	26.212	99.900
30.0	19.094	34.602	24.693	99.900	160.0	13.005	34.818	26.251	99.900
40.0	18.052	34.638	24.982	99.900	180.0	12.734	34.813	26.301	99.900
50.0	16.217	34.680	25.451	99.900	200.0	12.492	34.806	26.343	99.900
60.0	14.591	34.767	25.881	99.900	200.0	12.492	34.806	26.343	99.900



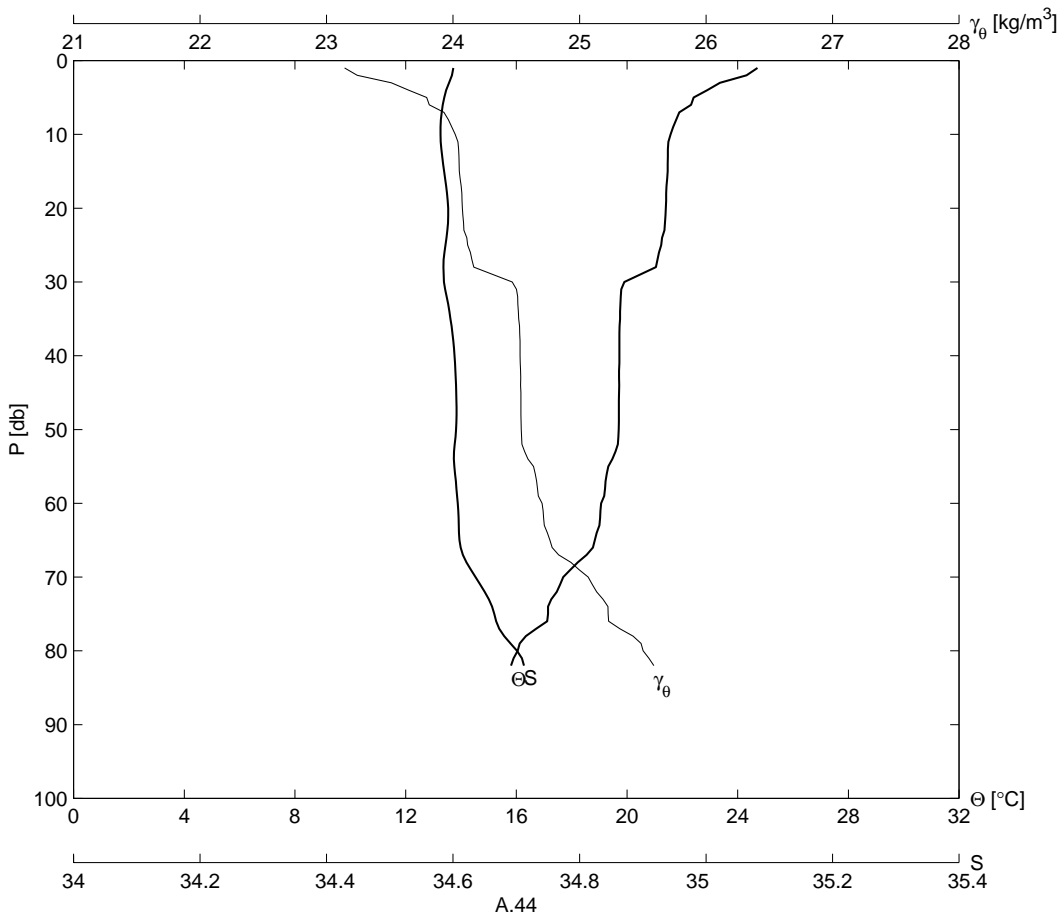
A.42

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
G01	44	17 48.9	101 46.9	3	5	2001	2215		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
33.0	23.8	34.61	25.0	27.0	3.8	151	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	23.083	34.581	23.592	99.900	15.0	20.673	34.590	24.270	99.900
5.0	20.945	34.575	24.185	99.900	20.0	20.305	34.575	24.357	99.900
10.0	20.808	34.587	24.231	99.900	25.0	20.012	34.585	24.442	99.900
29.0	19.911	34.594	24.475	99.900					



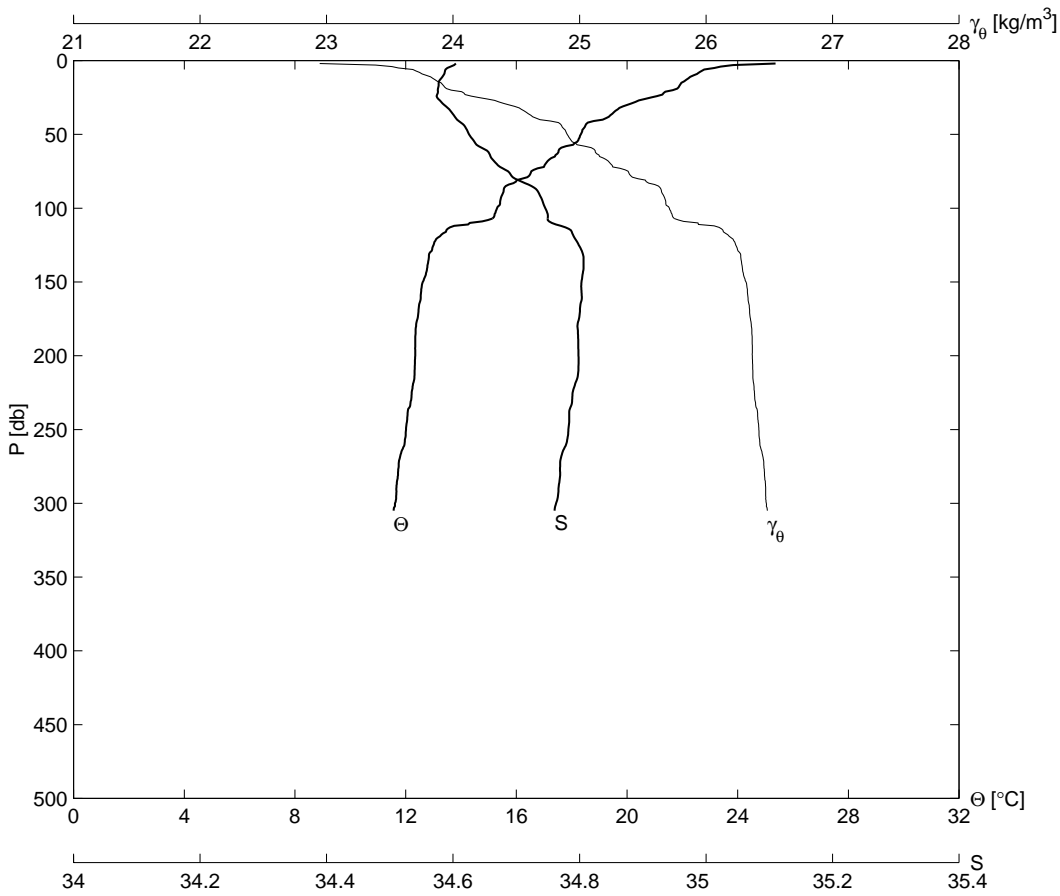
A.43

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
G02	45	17 46.9	101 47.8	3	5	2001	2250		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
85.0	24.9	34.59	25.0	27.0	4.6	113	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	24.322	34.600	23.243	99.900	30.0	19.904	34.581	24.468	99.900
5.0	22.406	34.590	23.792	99.900	40.0	19.726	34.602	24.530	99.900
10.0	21.575	34.581	24.017	99.900	50.0	19.702	34.606	24.539	99.900
15.0	21.471	34.586	24.050	99.900	60.0	19.068	34.608	24.704	99.900
20.0	21.401	34.592	24.074	99.900	70.0	17.695	34.636	25.068	99.900
25.0	21.236	34.587	24.115	99.900	80.0	16.047	34.696	25.503	99.900
82.0	15.808	34.736	25.588	99.900					

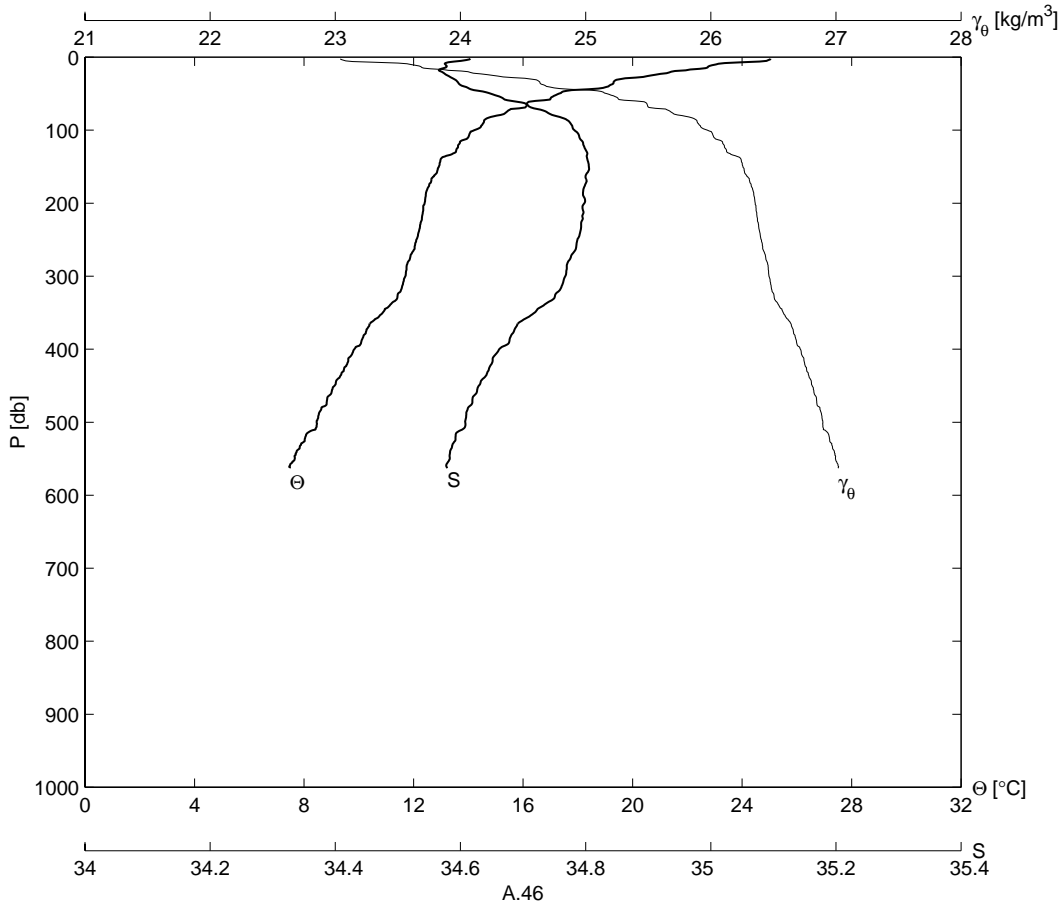


A.44

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
G03	46	17 45.0	101 48.5	3	5	2001	2329		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
329.0	25.8	34.64	23.5	27.0	6.7	68	9	1019.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[$^{\circ}\text{C}$]		[kg/m^3]	[ml/l]	[db]	[$^{\circ}\text{C}$]		[kg/m^3]	[ml/l]
2.0	25.371	34.627	22.946	99.900	70.0	17.056	34.668	25.246	99.900
5.0	23.158	34.577	23.567	99.900	80.0	16.205	34.690	25.462	99.900
10.0	22.406	34.584	23.787	99.900	90.0	15.516	34.735	25.653	99.900
15.0	21.965	34.576	23.906	99.900	100.0	15.304	34.747	25.710	99.900
20.0	21.653	34.568	23.986	99.900	120.0	13.157	34.790	26.199	99.900
25.0	20.866	34.569	24.202	99.900	140.0	12.784	34.807	26.286	99.900
30.0	20.013	34.584	24.441	99.900	160.0	12.544	34.804	26.332	99.900
40.0	19.123	34.605	24.688	99.900	180.0	12.378	34.797	26.358	99.900
50.0	18.329	34.624	24.902	99.900	200.0	12.348	34.798	26.365	99.900
60.0	17.556	34.652	25.114	99.900	300.0	11.618	34.763	26.477	99.900
305.0	11.568	34.760	26.484	99.900					

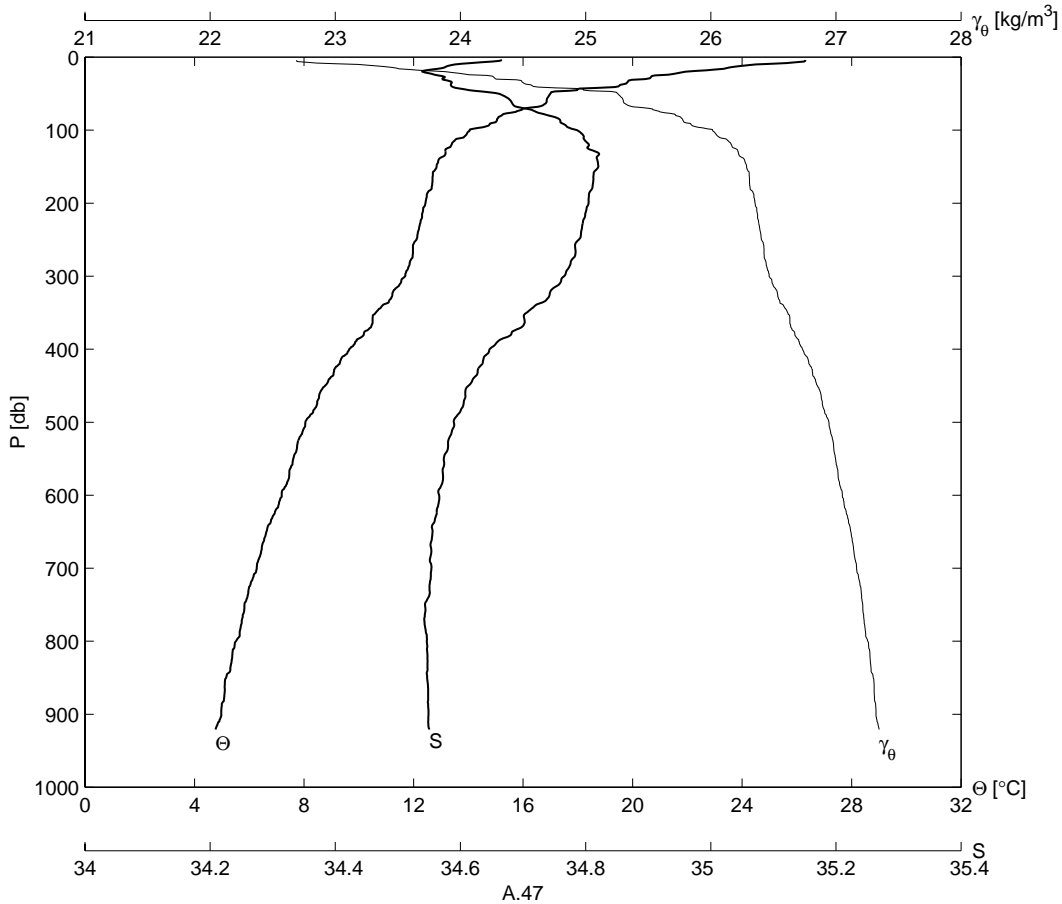


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
G04	47	17 43.1	101 49.2	4	5	2001	37		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
618.0	25.4	34.62	23.5	26.9	6.5	4	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.037	34.621	23.043	99.900	80.0	15.040	34.751	25.772	99.900
5.0	24.892	34.615	23.083	99.900	90.0	14.557	34.774	25.894	99.900
10.0	23.048	34.578	23.600	99.900	100.0	14.221	34.782	25.972	99.900
15.0	22.668	34.575	23.706	99.900	120.0	13.636	34.795	26.105	99.900
20.0	21.414	34.578	24.060	99.900	140.0	12.993	34.803	26.242	99.900
25.0	20.683	34.578	24.258	99.900	160.0	12.809	34.801	26.277	99.900
30.0	19.555	34.592	24.567	99.900	180.0	12.508	34.797	26.333	99.900
40.0	19.121	34.602	24.686	99.900	200.0	12.402	34.798	26.355	99.900
50.0	17.310	34.647	25.169	99.900	300.0	11.703	34.768	26.465	99.900
60.0	16.451	34.679	25.397	99.900	400.0	9.836	34.661	26.715	99.900
70.0	15.851	34.712	25.560	99.900	500.0	8.460	34.607	26.896	99.900
563.0	7.479	34.580	27.021	99.900					



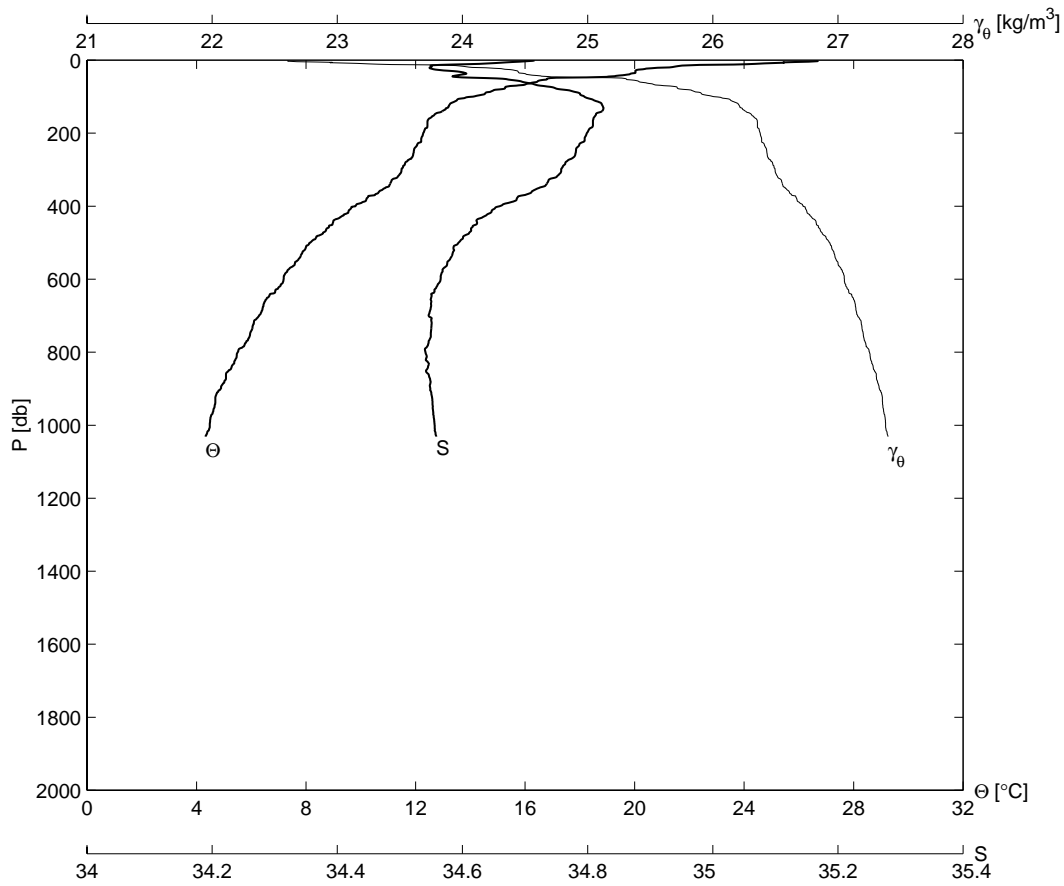
A.46

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
G05	48	17 41.7	101 50.5	4	5	2001	127		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
936.0	26.6	34.67	23.5	26.0	3.7	33	9	1019.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.305	34.674	22.692	99.900	120.0	13.383	34.805	26.165	99.900
10.0	24.502	34.592	23.183	99.900	140.0	12.924	34.819	26.268	99.900
15.0	23.434	34.581	23.491	99.900	160.0	12.706	34.813	26.307	99.900
20.0	21.936	34.532	23.880	99.900	180.0	12.660	34.811	26.314	99.900
25.0	20.818	34.560	24.208	99.900	200.0	12.435	34.805	26.354	99.900
30.0	20.461	34.533	24.283	99.900	300.0	11.693	34.766	26.466	99.900
40.0	19.484	34.587	24.581	99.900	400.0	9.655	34.646	26.734	99.900
50.0	16.997	34.662	25.255	99.900	500.0	8.052	34.589	26.944	99.900
60.0	16.866	34.681	25.301	99.900	600.0	7.184	34.566	27.051	99.900
70.0	16.056	34.702	25.506	99.900	700.0	6.274	34.554	27.165	99.900
80.0	15.210	34.733	25.720	99.900	800.0	5.514	34.546	27.254	99.900
90.0	14.893	34.751	25.804	99.900	900.0	4.978	34.549	27.320	99.900
100.0	14.051	34.789	26.014	99.900	921.0	4.768	34.551	27.346	99.900



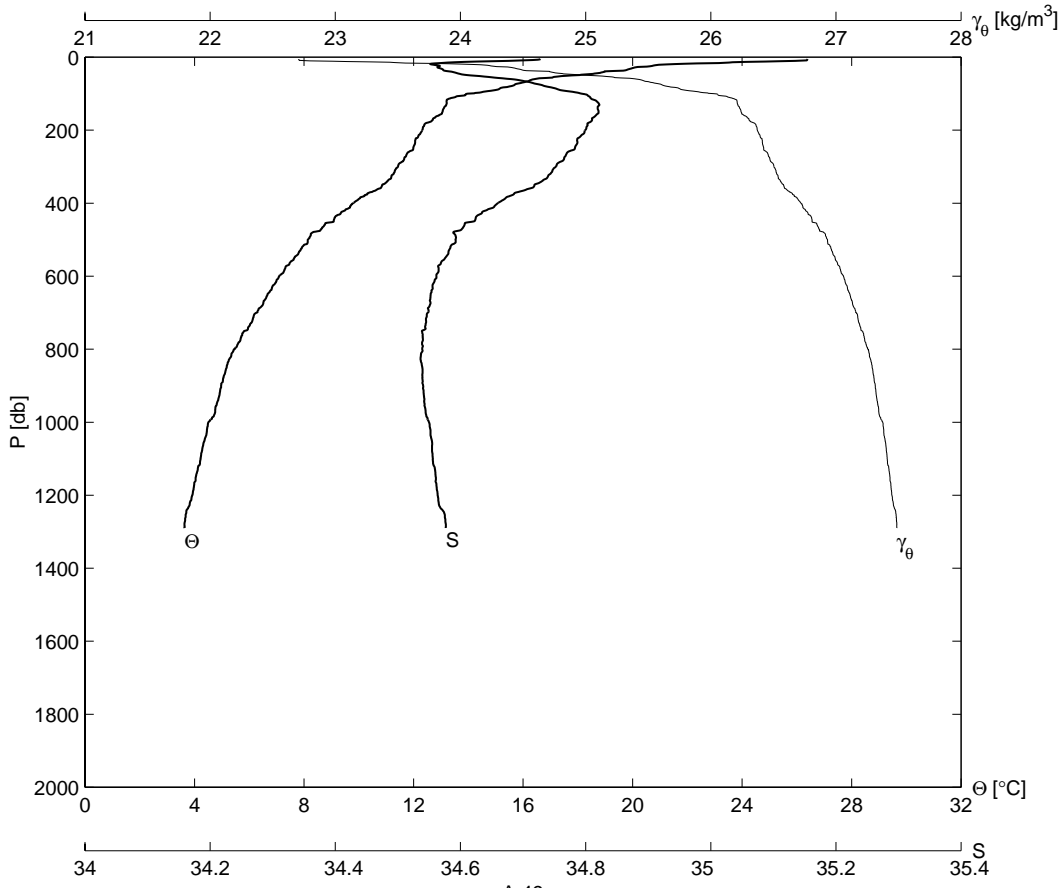
A.47

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
G06	49	17 40.1	101 51.1	4	5	2001	227		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1124.0	26.9	34.72	23.3	25.7	7.4	247	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.693	34.721	22.605	99.900	120.0	13.261	34.823	26.203	99.900
5.0	25.844	34.678	22.839	99.900	140.0	12.978	34.823	26.260	99.900
10.0	24.392	34.636	23.249	99.900	160.0	12.488	34.809	26.346	99.900
15.0	21.733	34.544	23.945	99.900	180.0	12.433	34.809	26.357	99.900
20.0	21.271	34.550	24.077	99.900	200.0	12.283	34.799	26.378	99.900
25.0	20.300	34.550	24.339	99.900	300.0	11.489	34.758	26.497	99.900
30.0	20.026	34.591	24.442	99.900	400.0	9.805	34.662	26.721	99.900
40.0	19.715	34.596	24.528	99.900	500.0	8.137	34.592	26.933	99.900
50.0	16.845	34.662	25.291	99.900	600.0	7.178	34.565	27.051	99.900
60.0	16.407	34.697	25.421	99.900	700.0	6.285	34.546	27.157	99.900
70.0	15.672	34.722	25.608	99.900	800.0	5.505	34.541	27.251	99.900
80.0	15.074	34.753	25.765	99.900	900.0	4.884	34.549	27.331	99.900
90.0	14.552	34.787	25.905	99.900	1000.0	4.486	34.556	27.381	99.900
100.0	14.099	34.795	26.008	99.900	1031.0	4.323	34.558	27.401	99.900



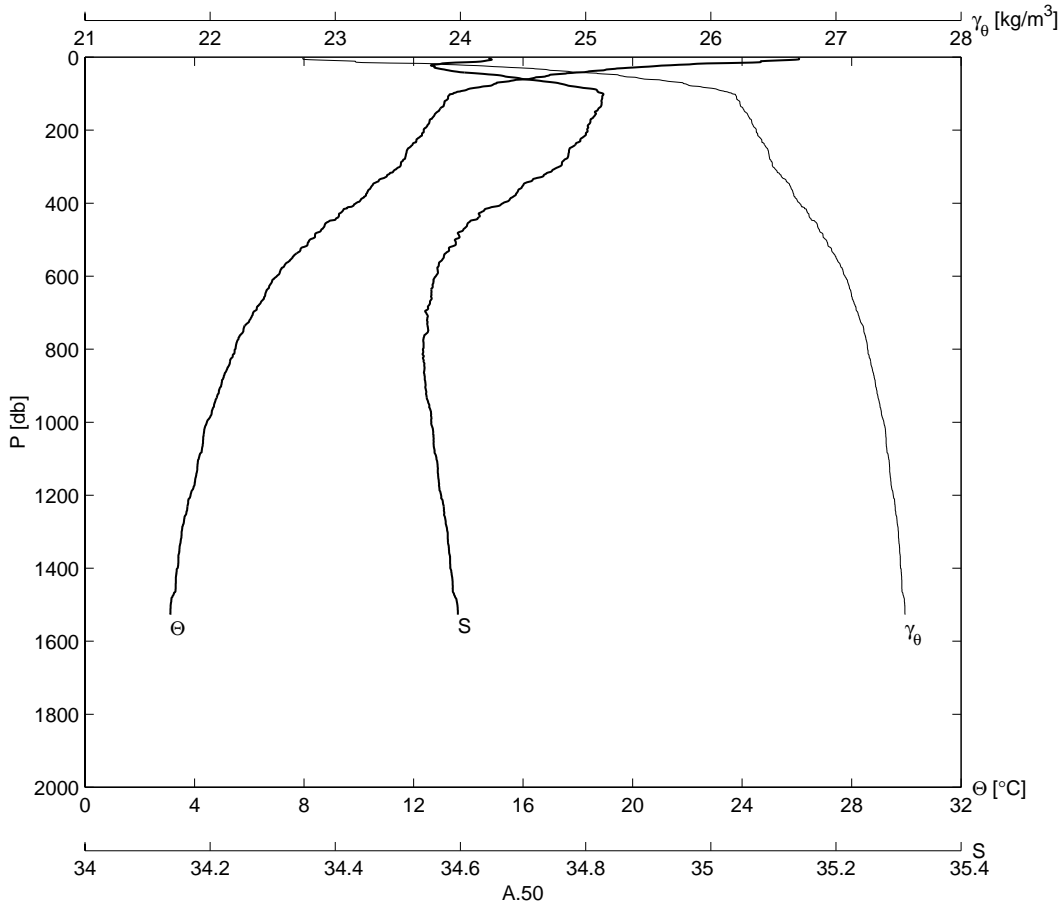
A.48

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
G07	50	17 38.2	101 51.8	4	5	2001	339		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1340.0	26.7	34.73	23.0	26.5	4.0	44	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.391	34.728	22.706	99.900	120.0	13.208	34.817	26.209	99.900
10.0	25.940	34.662	22.797	99.900	140.0	13.104	34.819	26.232	99.900
15.0	23.525	34.594	23.474	99.900	160.0	12.920	34.817	26.267	99.900
20.0	21.229	34.551	24.090	99.900	180.0	12.480	34.803	26.343	99.900
25.0	20.631	34.572	24.268	99.900	200.0	12.317	34.799	26.372	99.900
30.0	19.989	34.568	24.435	99.900	300.0	11.430	34.752	26.504	99.900
40.0	18.981	34.589	24.712	99.900	400.0	9.795	34.660	26.721	99.900
50.0	17.779	34.609	25.026	99.900	500.0	8.138	34.593	26.933	99.900
60.0	16.418	34.684	25.408	99.900	600.0	7.100	34.562	27.060	99.900
70.0	15.956	34.716	25.539	99.900	700.0	6.266	34.547	27.160	99.900
80.0	15.511	34.734	25.654	99.900	800.0	5.445	34.538	27.256	99.900
90.0	14.981	34.760	25.791	99.900	900.0	4.971	34.540	27.314	99.900
100.0	13.979	34.782	26.023	99.900	1000.0	4.510	34.550	27.374	99.900
1290.0	3.640	34.576	27.486	99.900					



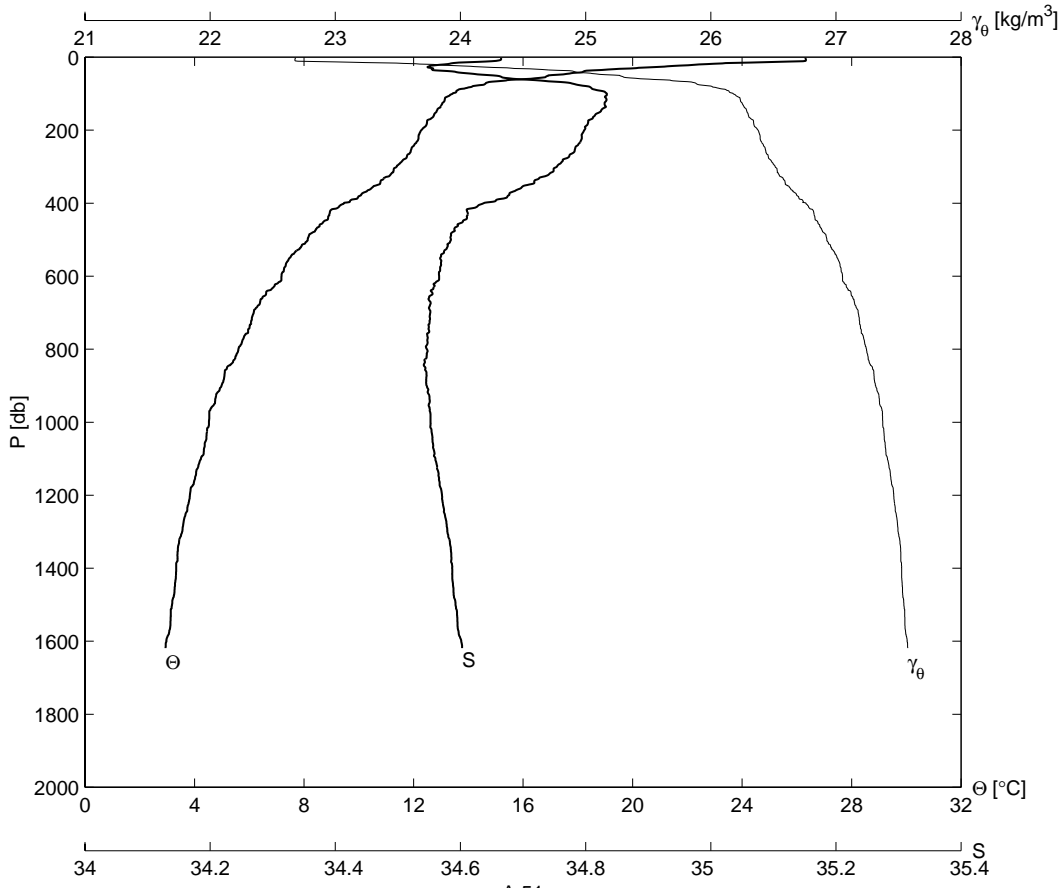
A.49

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
G08	51	17 36.2	101 52.7	4	5	2001	502		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1587.1	26.4	34.64	23.0	26.0	6.2	11	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.085	34.645	22.739	99.900	120.0	13.148	34.824	26.227	99.900
5.0	26.082	34.647	22.741	99.900	140.0	12.985	34.820	26.257	99.900
10.0	24.915	34.632	23.089	99.900	160.0	12.754	34.815	26.299	99.900
15.0	24.375	34.586	23.217	99.900	180.0	12.573	34.807	26.328	99.900
20.0	22.076	34.558	23.860	99.900	200.0	12.376	34.803	26.363	99.900
25.0	20.758	34.564	24.227	99.900	300.0	11.504	34.759	26.496	99.900
30.0	19.655	34.563	24.519	99.900	400.0	9.894	34.668	26.710	99.900
40.0	18.360	34.598	24.875	99.900	500.0	8.216	34.591	26.920	99.900
50.0	16.957	34.666	25.268	99.900	600.0	7.008	34.560	27.071	99.900
60.0	16.209	34.702	25.470	99.900	700.0	6.147	34.545	27.174	99.900
70.0	15.037	34.755	25.775	99.900	800.0	5.489	34.540	27.252	99.900
80.0	14.560	34.783	25.901	99.900	900.0	4.973	34.545	27.317	99.900
90.0	13.918	34.819	26.065	99.900	1000.0	4.453	34.554	27.383	99.900
100.0	13.452	34.830	26.169	99.900	1500.0	3.131	34.595	27.550	99.900
1527.0	3.115	34.596	27.552	99.900					

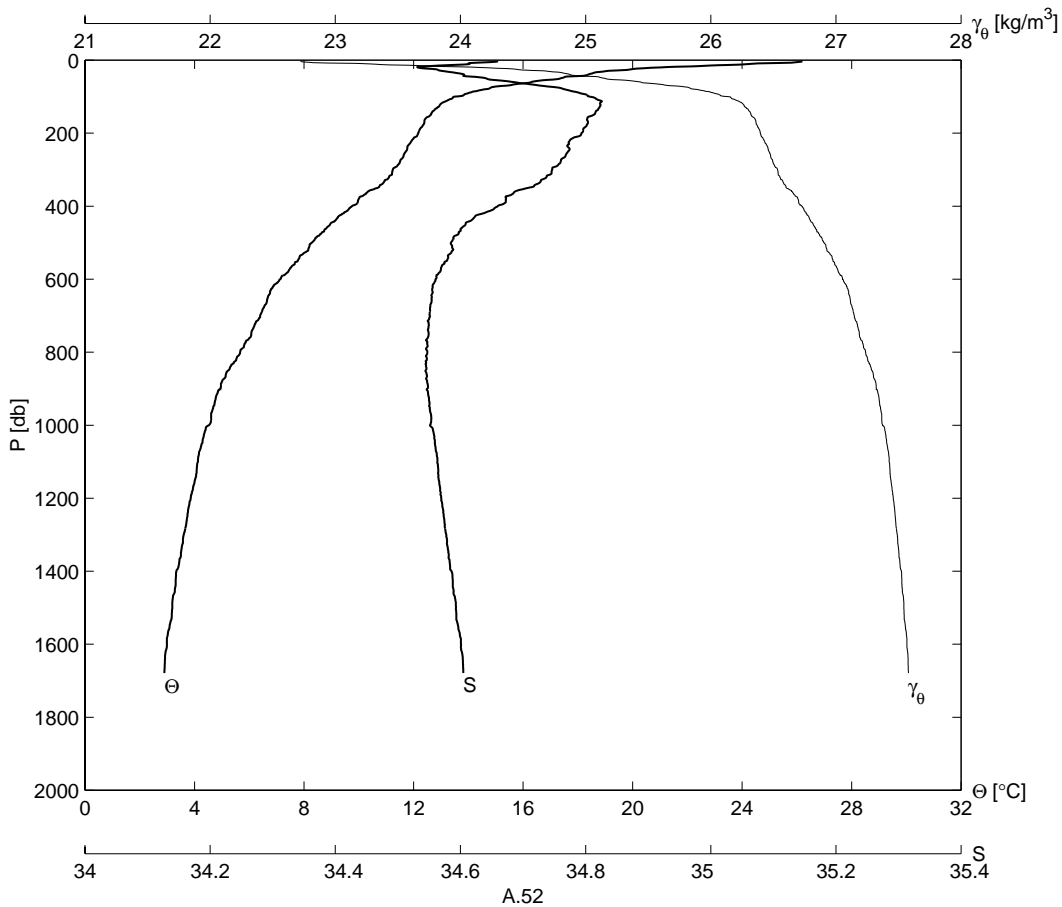


A.50

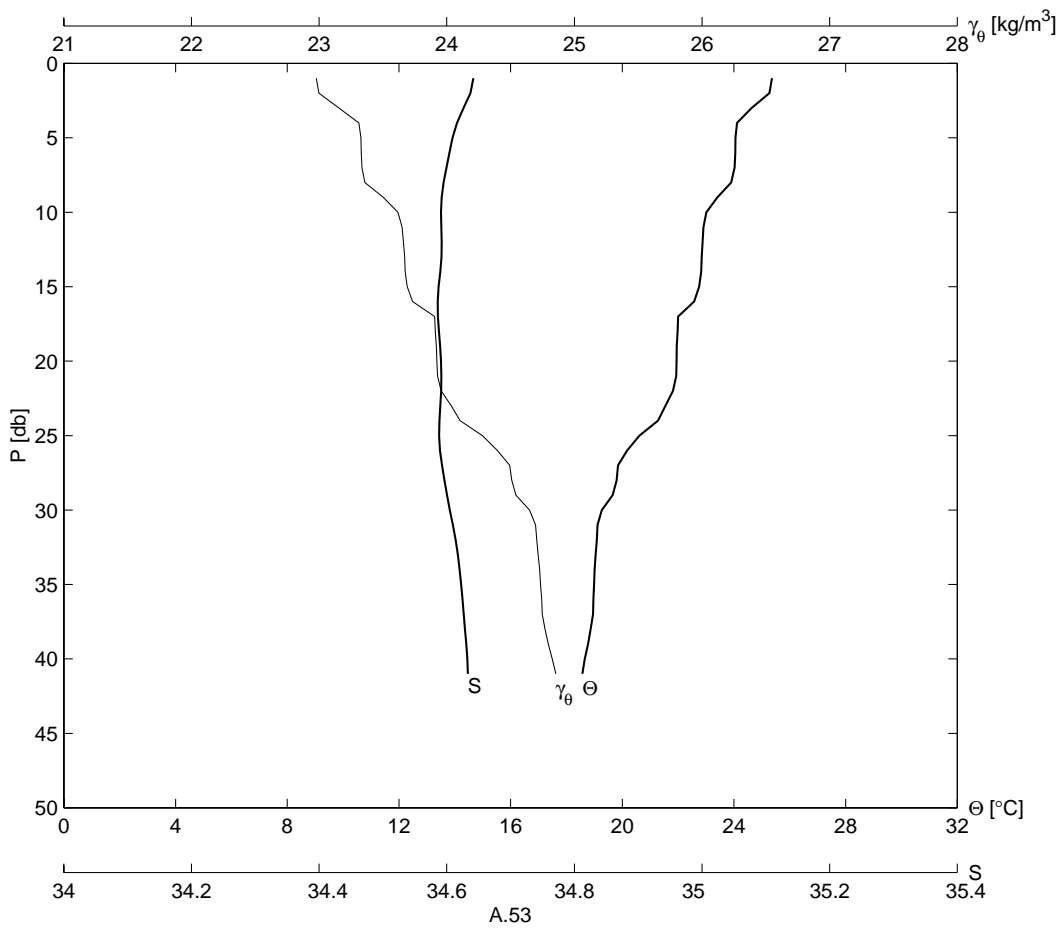
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
G09	52	17 34.2	101 53.6	4	5	2001	635		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1630.0	26.6	34.66	23.2	25.5	6.3	76	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.328	34.665	22.678	99.900	120.0	13.131	34.833	26.237	99.900
5.0	26.328	34.665	22.678	99.900	140.0	12.908	34.828	26.278	99.900
10.0	26.322	34.665	22.680	99.900	160.0	12.739	34.814	26.301	99.900
15.0	24.294	34.583	23.238	99.900	180.0	12.488	34.803	26.342	99.900
20.0	22.428	34.588	23.784	99.900	200.0	12.287	34.798	26.377	99.900
25.0	21.281	34.559	24.082	99.900	300.0	11.384	34.755	26.514	99.900
30.0	20.136	34.576	24.402	99.900	400.0	9.450	34.638	26.762	99.900
40.0	18.195	34.593	24.912	99.900	500.0	8.135	34.585	26.927	99.900
50.0	16.920	34.661	25.273	99.900	600.0	7.177	34.566	27.052	99.900
60.0	16.031	34.695	25.506	99.900	700.0	6.164	34.552	27.178	99.900
70.0	14.671	34.772	25.868	99.900	800.0	5.601	34.547	27.244	99.900
80.0	14.151	34.810	26.008	99.900	900.0	4.982	34.547	27.318	99.900
90.0	13.618	34.816	26.124	99.900	1000.0	4.527	34.552	27.374	99.900
100.0	13.428	34.835	26.178	99.900	1500.0	3.179	34.592	27.543	99.900
1619.0	2.942	34.603	27.573	99.900					



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
G10	54	17 32.2	101 54.4	4	5	2001	817		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1695.0	26.5	34.67	23.5	25.2	7.8	16	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.032	34.645	22.756	99.900	140.0	12.700	34.816	26.310	99.900
10.0	24.310	34.631	23.270	99.900	160.0	12.436	34.803	26.352	99.900
15.0	22.811	34.562	23.655	99.900	180.0	12.327	34.802	26.373	99.900
20.0	21.018	34.543	24.141	99.900	200.0	12.167	34.793	26.397	99.900
25.0	19.953	34.567	24.444	99.900	300.0	11.243	34.746	26.533	99.900
30.0	19.025	34.574	24.689	99.900	400.0	9.743	34.659	26.729	99.900
40.0	18.366	34.606	24.880	99.900	500.0	8.280	34.584	26.905	99.900
50.0	17.354	34.646	25.158	99.900	600.0	7.139	34.558	27.052	99.900
60.0	16.296	34.692	25.443	99.900	700.0	6.396	34.551	27.147	99.900
70.0	15.387	34.718	25.669	99.900	800.0	5.667	34.547	27.236	99.900
80.0	14.567	34.767	25.886	99.900	900.0	4.954	34.548	27.322	99.900
90.0	14.005	34.791	26.025	99.900	1000.0	4.528	34.551	27.373	99.900
100.0	13.491	34.804	26.141	99.900	1500.0	3.188	34.593	27.542	99.900
120.0	12.992	34.822	26.257	99.900	1679.0	2.899	34.604	27.578	99.900

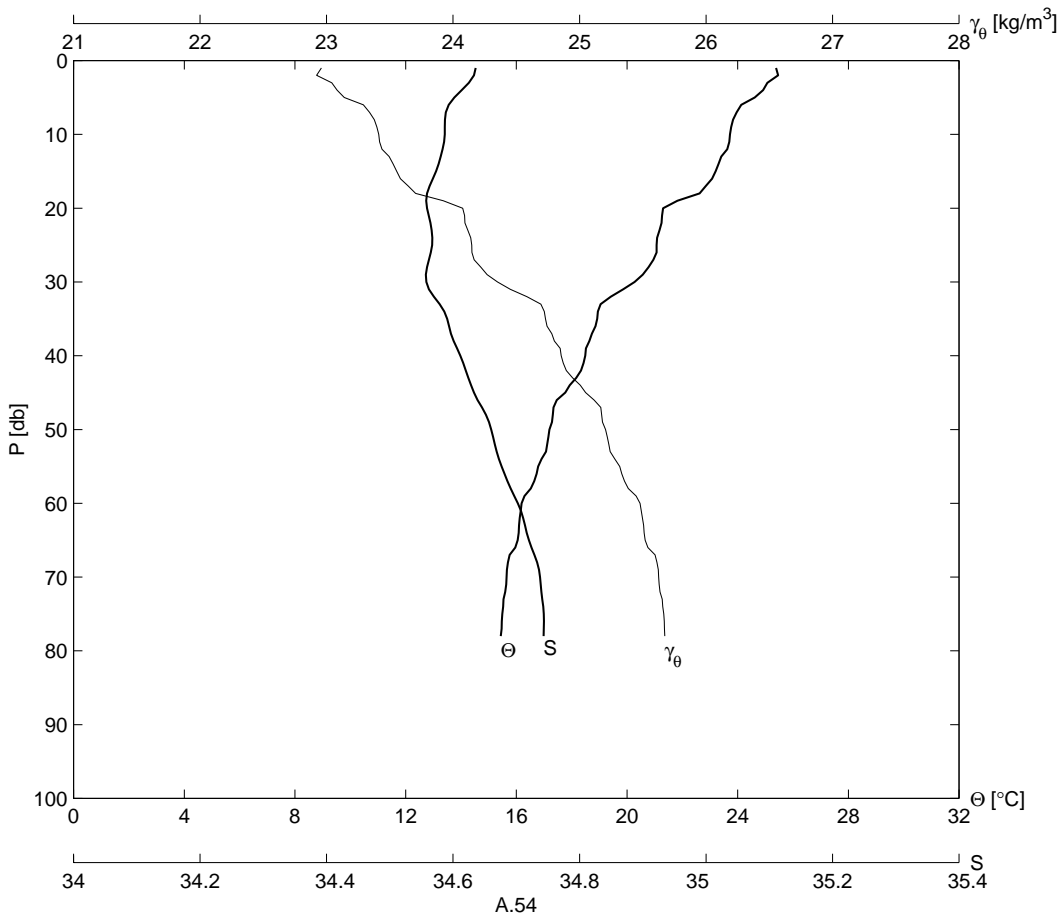


ESTACION H01	LANCE 55	LATITUD 17 35.7	LONGITUD 101 33.1	DD MM AA 4 5 2001	H[GMT] 1517				
PROFTOT [m]	TEMSUP [°C]	SALSUP [ups]	TEBUHU [°C]	TEBUSE [°C]	V-MAG [m/s]	DIR [AZM]	NUBES [1/8]	BAROM [bar]	
45.5	25.6	34.67	23.5	27.5	2.8	169	3	1019.0	
PR [db]	Θ [°C]	SA	γ_θ [kg/m ³]	OX [ml/l]	PR [db]	Θ [°C]	SA	γ_θ [kg/m ³]	OX [ml/l]
2.0	25.270	34.655	22.998	99.900	20.0	21.947	34.592	23.923	99.900
5.0	24.057	34.607	23.327	99.900	25.0	20.613	34.582	24.280	99.900
10.0	23.013	34.588	23.617	99.900	30.0	19.271	34.603	24.648	99.900
15.0	22.757	34.588	23.691	99.900	40.0	18.657	34.632	24.827	99.900
41.0	18.570	34.640	24.854	99.900					



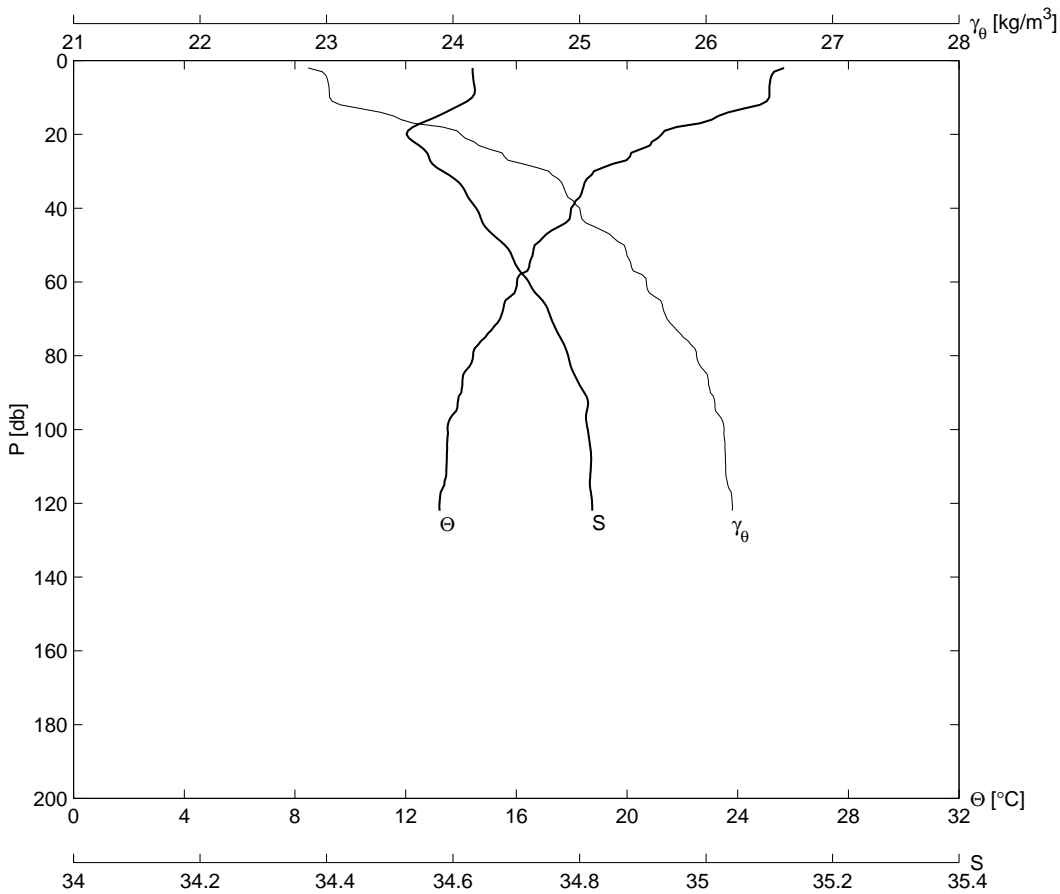
A.53

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
H02	56	17 33.8	101 34.1	4	5	2001	1640		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
83.0	25.6	34.66	24.3	29.5	0.0	0	3	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	25.465	34.633	22.922	99.900	30.0	20.272	34.556	24.351	99.900
5.0	24.619	34.582	23.140	99.900	40.0	18.493	34.615	24.855	99.900
10.0	23.720	34.589	23.413	99.900	50.0	17.197	34.658	25.205	99.900
15.0	23.203	34.577	23.554	99.900	60.0	16.189	34.706	25.478	99.900
20.0	21.302	34.560	24.076	99.900	70.0	15.651	34.739	25.626	99.900
25.0	21.073	34.571	24.147	99.900	78.0	15.439	34.740	25.674	99.900

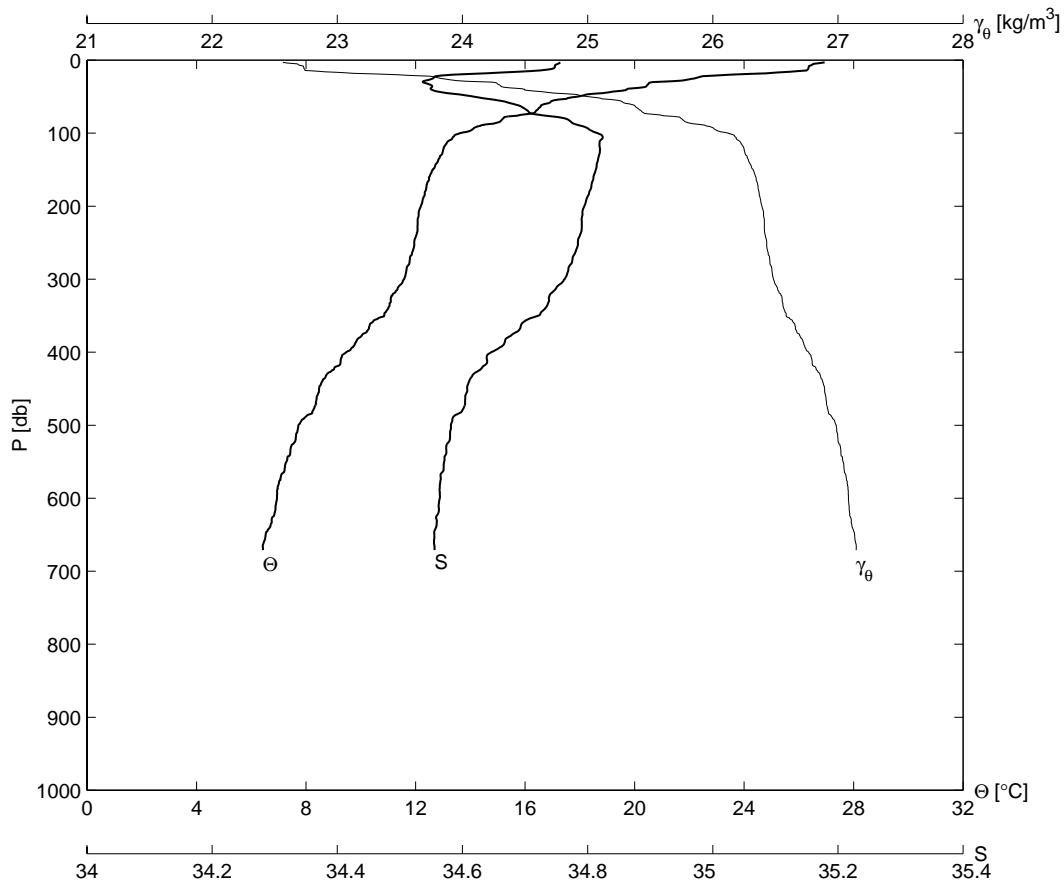


A.54

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
H03	57	17 32.1	101 35.0	4	5	2001	1904		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
125.0	26.2	34.65	25.8	29.0	0.8	149	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	25.677	34.631	22.855	99.900	50.0	16.667	34.687	25.352	99.900
5.0	25.185	34.632	23.007	99.900	60.0	16.027	34.723	25.528	99.900
10.0	25.142	34.638	23.024	99.900	70.0	15.413	34.754	25.691	99.900
15.0	23.304	34.582	23.529	99.900	80.0	14.441	34.782	25.925	99.900
20.0	21.258	34.523	24.061	99.900	90.0	14.016	34.806	26.034	99.900
25.0	20.156	34.561	24.386	99.900	100.0	13.517	34.813	26.143	99.900
30.0	18.804	34.588	24.756	99.900	120.0	13.226	34.819	26.207	99.900
40.0	17.978	34.641	25.002	99.900	122.0	13.232	34.821	26.207	99.900

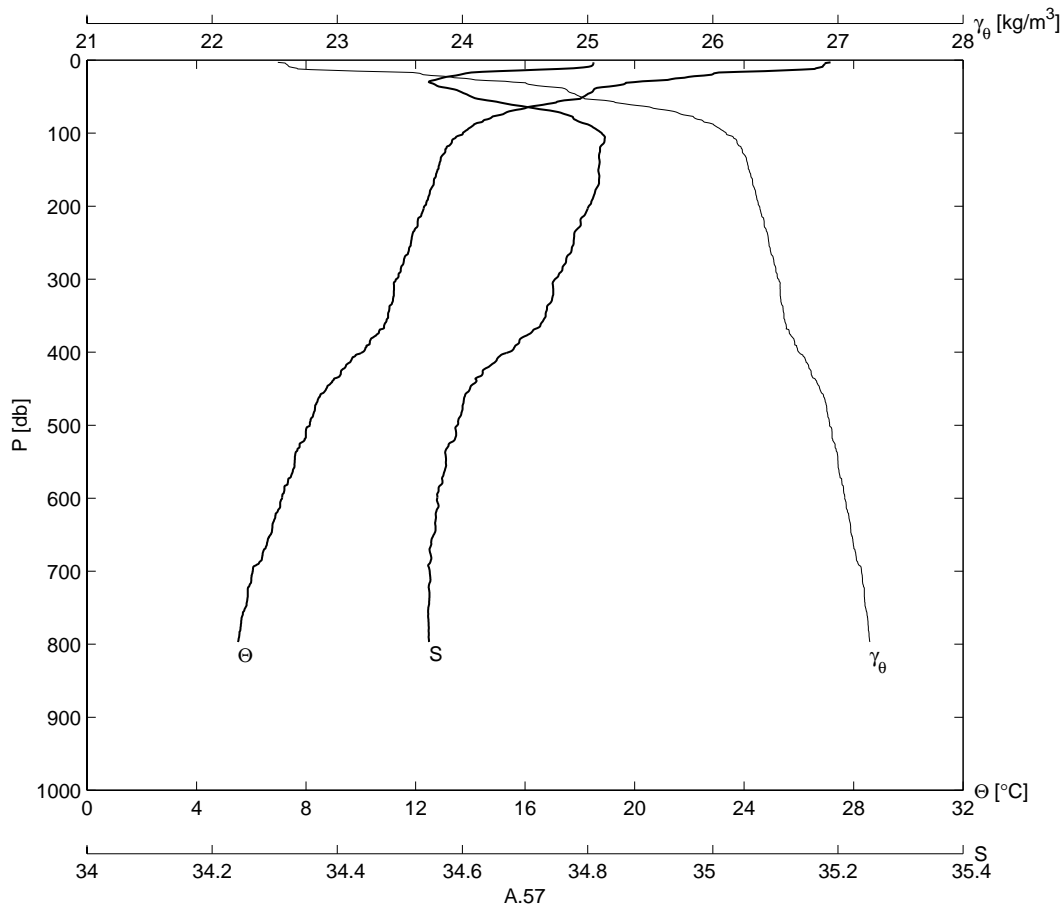


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
H04	58	17 29.9	101 35.7	4	5	2001	2009		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
685.0	27.4	34.77	25.5	29.8	3.4	332	9	1018.0	
PR	Θ	SA	γ_{θ}	OX	PR	Θ	SA	γ_{θ}	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.529	34.755	22.683	99.900	90.0	14.364	34.787	25.945	99.900
10.0	26.356	34.749	22.732	99.900	100.0	13.629	34.817	26.123	99.900
15.0	25.943	34.712	22.834	99.900	120.0	13.032	34.820	26.247	99.900
20.0	23.485	34.574	23.470	99.900	140.0	12.792	34.815	26.291	99.900
25.0	22.193	34.557	23.827	99.900	160.0	12.493	34.809	26.345	99.900
30.0	20.644	34.536	24.236	99.900	180.0	12.346	34.802	26.369	99.900
40.0	19.706	34.550	24.495	99.900	200.0	12.194	34.795	26.392	99.900
50.0	17.909	34.619	25.003	99.900	300.0	11.581	34.763	26.484	99.900
60.0	16.730	34.682	25.334	99.900	400.0	9.467	34.646	26.765	99.900
70.0	16.390	34.705	25.431	99.900	500.0	7.723	34.582	26.986	99.900
80.0	15.193	34.766	25.749	99.900	600.0	6.937	34.564	27.084	99.900
671.0	6.428	34.556	27.146	99.900					

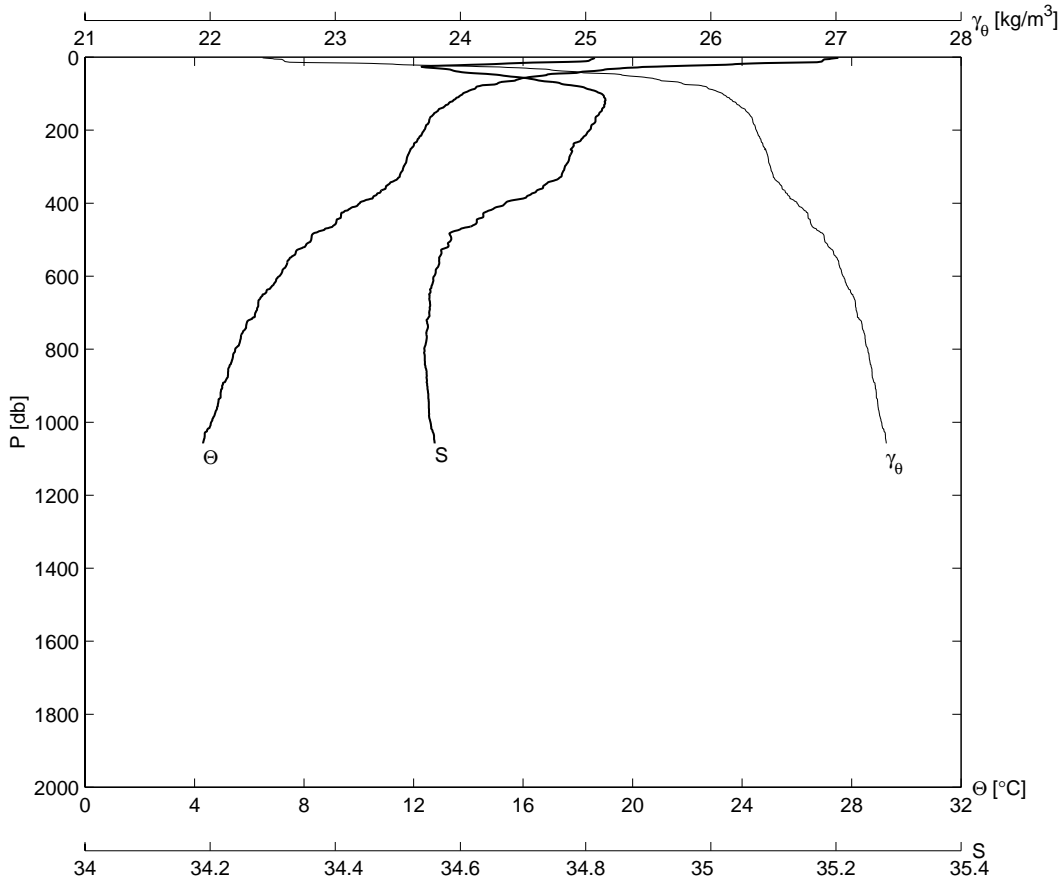


A.56

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
H05	59	17 28.0	101 36.6	4	5	2001	2103		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
799.0	27.7	34.81	26.8	30.0	5.2	331	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.955	34.810	22.589	99.900	100.0	13.732	34.823	26.107	99.900
10.0	26.771	34.800	22.640	99.900	120.0	13.132	34.820	26.227	99.900
15.0	24.759	34.664	23.161	99.900	140.0	12.887	34.819	26.275	99.900
20.0	22.816	34.604	23.686	99.900	160.0	12.733	34.819	26.306	99.900
25.0	21.502	34.562	24.023	99.900	180.0	12.526	34.812	26.341	99.900
30.0	19.989	34.527	24.404	99.900	200.0	12.326	34.801	26.371	99.900
40.0	18.515	34.587	24.828	99.900	300.0	11.286	34.747	26.526	99.900
50.0	18.142	34.614	24.941	99.900	400.0	10.064	34.676	26.688	99.900
60.0	16.829	34.668	25.300	99.900	500.0	8.142	34.593	26.933	99.900
70.0	15.423	34.750	25.686	99.900	600.0	7.126	34.560	27.055	99.900
80.0	14.707	34.776	25.863	99.900	700.0	6.055	34.547	27.188	99.900
90.0	14.085	34.805	26.019	99.900	797.0	5.515	34.547	27.255	99.900

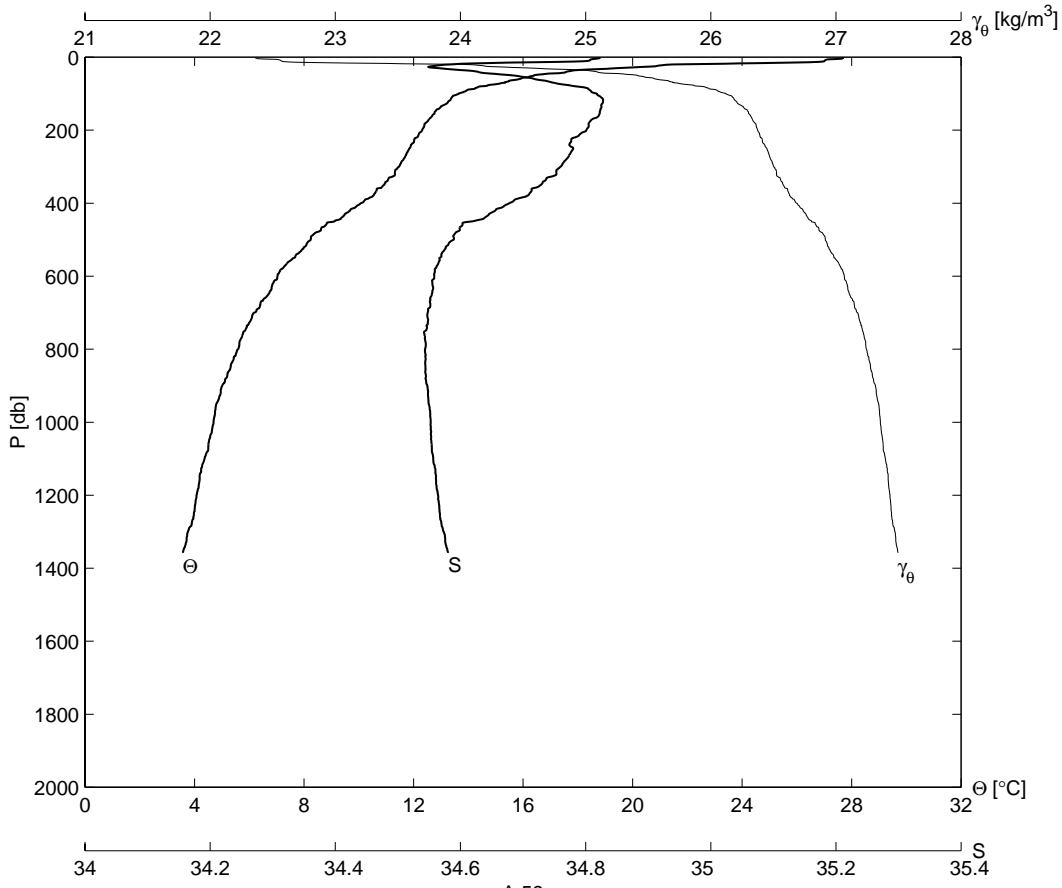


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
H06	60	17 26.1	101 37.5	4	5	2001	2156		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1067.0	26.0	34.82	27.8	31.0	3.2	118	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.515	34.824	22.420	99.900	120.0	13.435	34.831	26.174	99.900
5.0	27.195	34.809	22.511	99.900	140.0	13.002	34.828	26.259	99.900
10.0	26.941	34.806	22.590	99.900	160.0	12.690	34.819	26.315	99.900
15.0	26.007	34.662	22.776	99.900	180.0	12.548	34.814	26.339	99.900
20.0	23.642	34.658	23.488	99.900	200.0	12.387	34.806	26.364	99.900
25.0	21.227	34.545	24.086	99.900	300.0	11.639	34.767	26.476	99.900
30.0	19.636	34.564	24.524	99.900	400.0	10.039	34.672	26.689	99.900
40.0	18.171	34.596	24.921	99.900	500.0	8.263	34.585	26.908	99.900
50.0	16.784	34.666	25.309	99.900	600.0	7.097	34.558	27.057	99.900
60.0	15.844	34.715	25.564	99.900	700.0	6.223	34.550	27.168	99.900
70.0	15.125	34.755	25.756	99.900	800.0	5.487	34.542	27.255	99.900
80.0	14.341	34.789	25.952	99.900	900.0	5.011	34.547	27.315	99.900
90.0	14.081	34.811	26.024	99.900	1000.0	4.610	34.552	27.364	99.900
100.0	13.800	34.825	26.094	99.900	1058.0	4.310	34.559	27.403	99.900



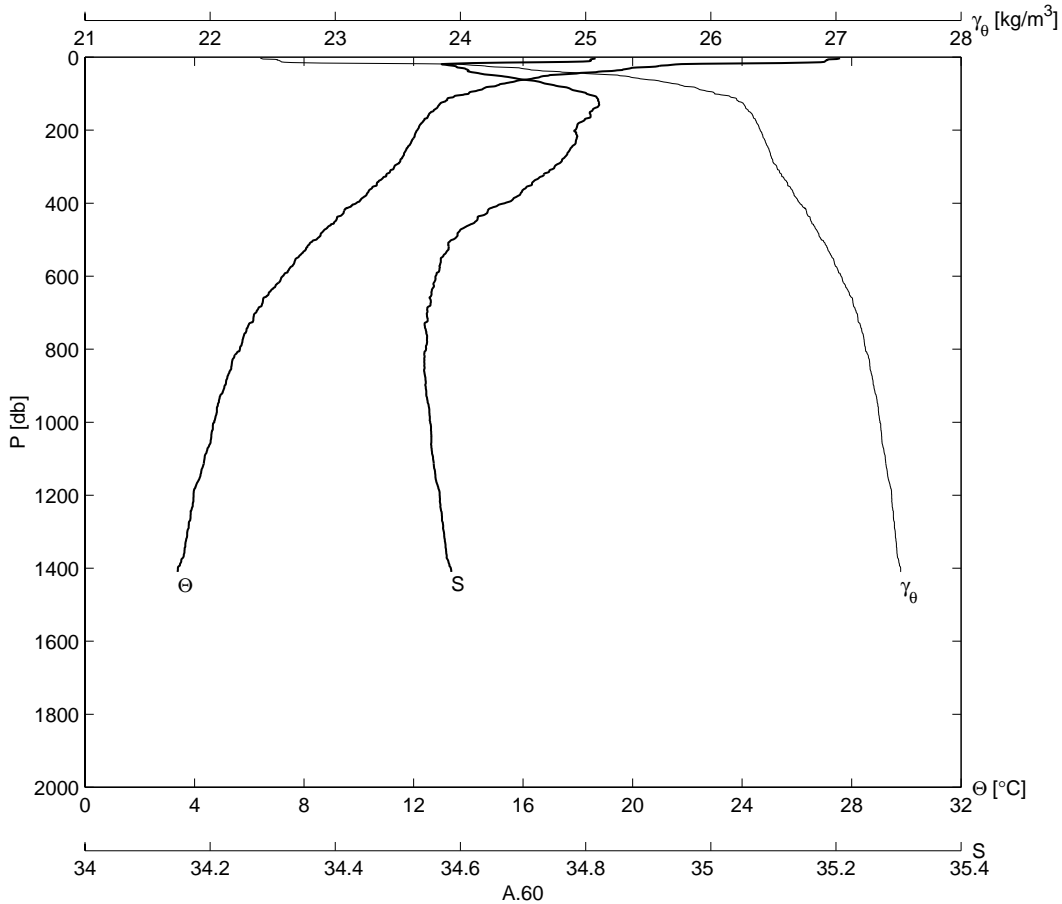
A.58

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
H07	61	17 24.4	101 38.5	4	5	2001	2305		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1536.0	27.8	34.82	25.0	27.0	6.8	167	8	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.716	34.829	22.358	99.900	120.0	13.294	34.827	26.199	99.900
5.0	27.435	34.803	22.430	99.900	140.0	12.944	34.825	26.268	99.900
10.0	27.015	34.808	22.568	99.900	160.0	12.688	34.821	26.317	99.900
15.0	25.838	34.670	22.835	99.900	180.0	12.451	34.806	26.351	99.900
20.0	21.497	34.569	24.030	99.900	200.0	12.316	34.801	26.374	99.900
25.0	20.838	34.559	24.202	99.900	300.0	11.462	34.761	26.504	99.900
30.0	19.427	34.563	24.578	99.900	400.0	10.073	34.677	26.687	99.900
40.0	17.589	34.627	25.087	99.900	500.0	8.244	34.590	26.915	99.900
50.0	16.400	34.688	25.415	99.900	600.0	7.032	34.558	27.066	99.900
60.0	15.858	34.719	25.564	99.900	700.0	6.177	34.547	27.172	99.900
70.0	15.348	34.745	25.698	99.900	800.0	5.588	34.543	27.243	99.900
80.0	14.427	34.781	25.927	99.900	900.0	5.012	34.546	27.314	99.900
90.0	13.958	34.808	26.047	99.900	1000.0	4.696	34.552	27.355	99.900
100.0	13.651	34.821	26.121	99.900	1358.0	3.576	34.580	27.495	99.900

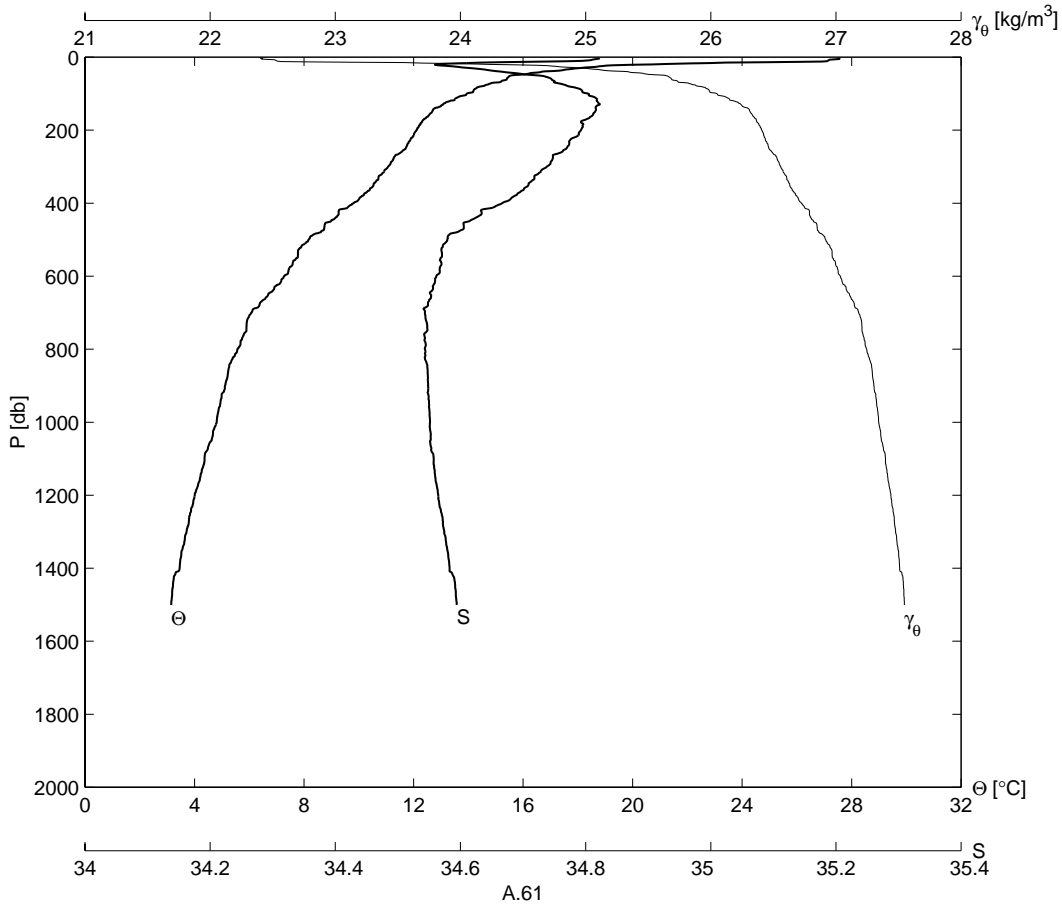


A.59

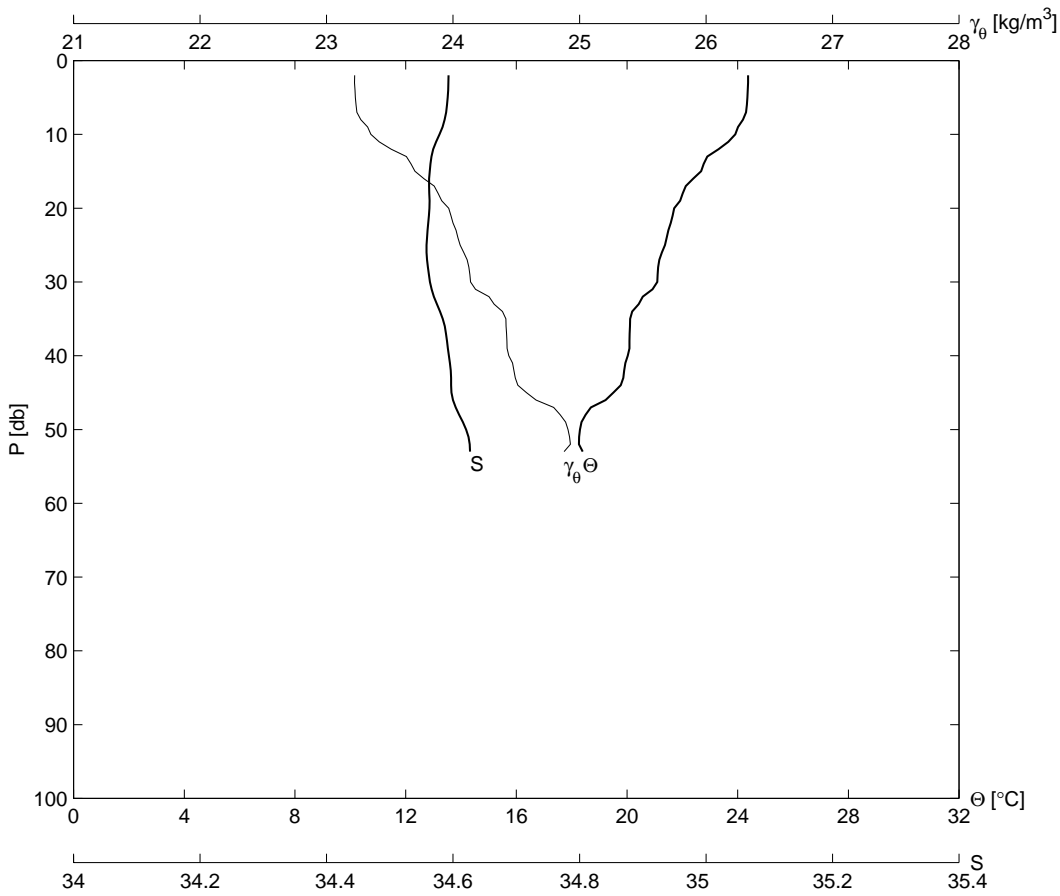
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
H08	62	17 22.6	101 39.3	5	5	2001	20		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1549.9	27.9	34.82	25.4	27.2	7.5	300	8	1018.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	27.462	34.805	22.423	99.900	120.0	13.172	34.821	26.219	99.900
10.0	27.054	34.810	22.557	99.900	140.0	12.844	34.813	26.279	99.900
15.0	26.386	34.659	22.655	99.900	160.0	12.538	34.808	26.336	99.900
20.0	21.575	34.578	24.016	99.900	180.0	12.308	34.790	26.367	99.900
25.0	20.913	34.596	24.210	99.900	200.0	12.137	34.783	26.394	99.900
30.0	19.944	34.610	24.479	99.900	300.0	11.298	34.751	26.527	99.900
40.0	18.760	34.623	24.794	99.900	400.0	9.904	34.671	26.711	99.900
50.0	16.949	34.660	25.265	99.900	500.0	8.441	34.586	26.882	99.900
60.0	16.239	34.697	25.460	99.900	600.0	7.220	34.560	27.041	99.900
70.0	15.473	34.732	25.660	99.900	700.0	6.243	34.547	27.163	99.900
80.0	14.941	34.750	25.792	99.900	800.0	5.657	34.545	27.236	99.900
90.0	14.397	34.776	25.930	99.900	900.0	5.101	34.544	27.302	99.900
100.0	14.015	34.803	26.032	99.900	1000.0	4.725	34.551	27.351	99.900
1410.0	3.384	34.585	27.518	99.900					



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
H09	63	17 20.6	101 40.2	5	5	2001	150		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1693.0	27.9	34.82	25.0	27.0	12.0	312	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	27.537	34.823	22.412	99.900	140.0	12.771	34.817	26.297	99.900
10.0	27.130	34.808	22.532	99.900	160.0	12.547	34.810	26.336	99.900
15.0	23.410	34.653	23.552	99.900	180.0	12.274	34.792	26.375	99.900
20.0	20.725	34.560	24.233	99.900	200.0	12.105	34.792	26.408	99.900
25.0	18.790	34.586	24.758	99.900	300.0	11.069	34.738	26.559	99.900
30.0	18.047	34.616	24.967	99.900	400.0	9.816	34.667	26.724	99.900
40.0	16.676	34.674	25.341	99.900	500.0	8.164	34.579	26.919	99.900
50.0	15.568	34.730	25.637	99.900	600.0	7.274	34.561	27.035	99.900
60.0	15.406	34.746	25.687	99.900	700.0	6.080	34.543	27.182	99.900
70.0	14.930	34.746	25.791	99.900	800.0	5.567	34.543	27.246	99.900
80.0	14.464	34.771	25.911	99.900	900.0	5.113	34.548	27.304	99.900
90.0	14.197	34.794	25.986	99.900	1000.0	4.812	34.551	27.341	99.900
100.0	13.949	34.805	26.047	99.900	1500.0	3.148	34.594	27.547	99.900
120.0	13.329	34.818	26.185	99.900	1501.0	3.148	34.594	27.547	99.900

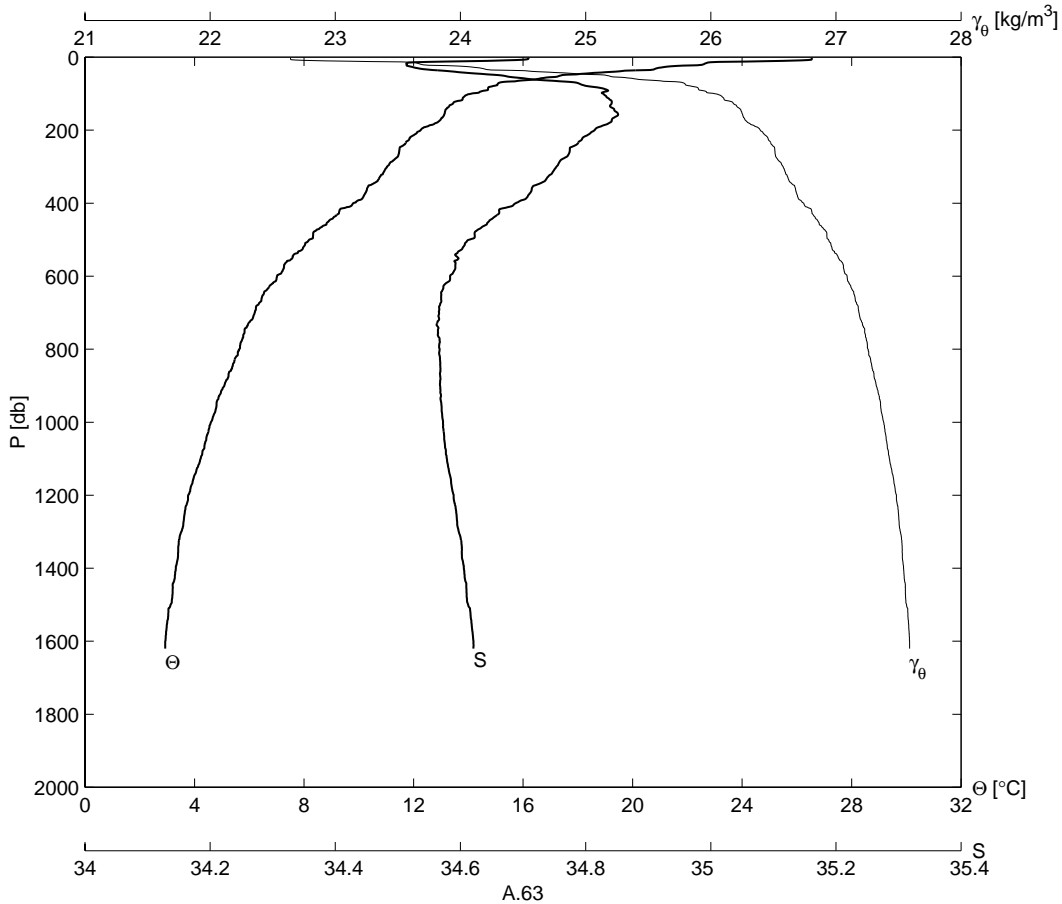


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
B01	64	17 13.9	101 1.0	5	5	2001	1100		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
55.0	24.7	34.59	23.0	24.9	4.2	340	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	24.375	34.593	23.222	99.900	25.0	21.373	34.558	24.056	99.900
5.0	24.352	34.592	23.228	99.900	30.0	21.092	34.566	24.139	99.900
10.0	23.915	34.582	23.350	99.900	40.0	20.027	34.589	24.441	99.900
15.0	22.680	34.569	23.698	99.900	50.0	18.300	34.622	24.908	99.900
20.0	21.706	34.561	23.966	99.900	53.0	18.402	34.615	24.878	99.900



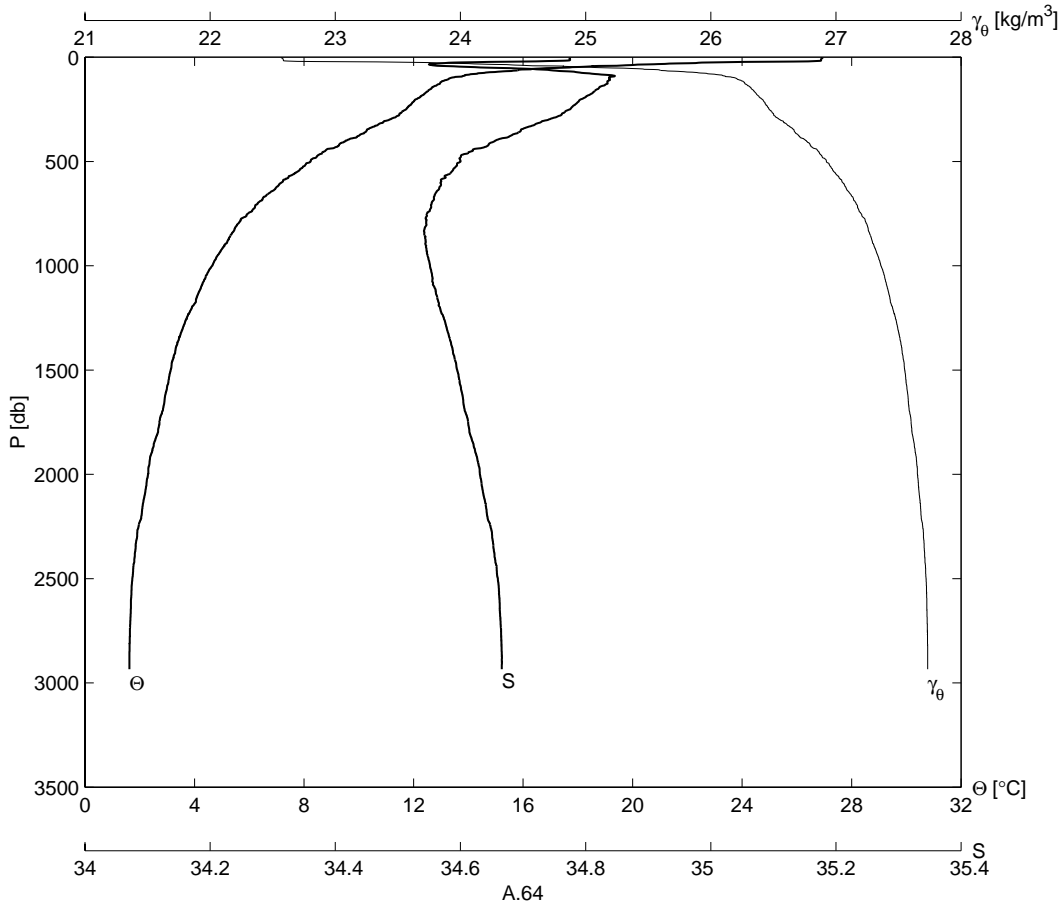
A.62

ESTACION	LANCE	LATITUD		LONGITUD		DD	MM	AA	H[GMT]
B02	65	17	4.9	101	5.1	5	5	2001	1242
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1647.0	26.1	34.68	24.0	25.6	7.2	109	9	1020.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.547	34.709	22.642	99.900	120.0	13.618	34.840	26.143	99.900
5.0	26.547	34.709	22.642	99.900	140.0	13.220	34.844	26.228	99.900
10.0	25.490	34.645	22.924	99.900	160.0	13.107	34.852	26.256	99.900
15.0	22.744	34.513	23.637	99.900	180.0	12.832	34.838	26.301	99.900
20.0	22.573	34.516	23.689	99.900	200.0	12.254	34.814	26.396	99.900
25.0	21.403	34.518	24.017	99.900	300.0	11.030	34.753	26.578	99.900
30.0	20.907	34.531	24.162	99.900	400.0	9.793	34.687	26.743	99.900
40.0	19.353	34.589	24.616	99.900	500.0	8.188	34.612	26.941	99.900
50.0	17.392	34.667	25.165	99.900	600.0	7.013	34.584	27.089	99.900
60.0	16.501	34.711	25.410	99.900	700.0	6.199	34.566	27.184	99.900
70.0	15.143	34.786	25.776	99.900	800.0	5.634	34.567	27.256	99.900
80.0	14.865	34.804	25.850	99.900	900.0	5.088	34.568	27.322	99.900
90.0	14.709	34.836	25.909	99.900	1000.0	4.598	34.572	27.382	99.900
100.0	14.114	34.826	26.028	99.900	1500.0	3.128	34.612	27.564	99.900
1620.0	2.928	34.621	27.589	99.900					



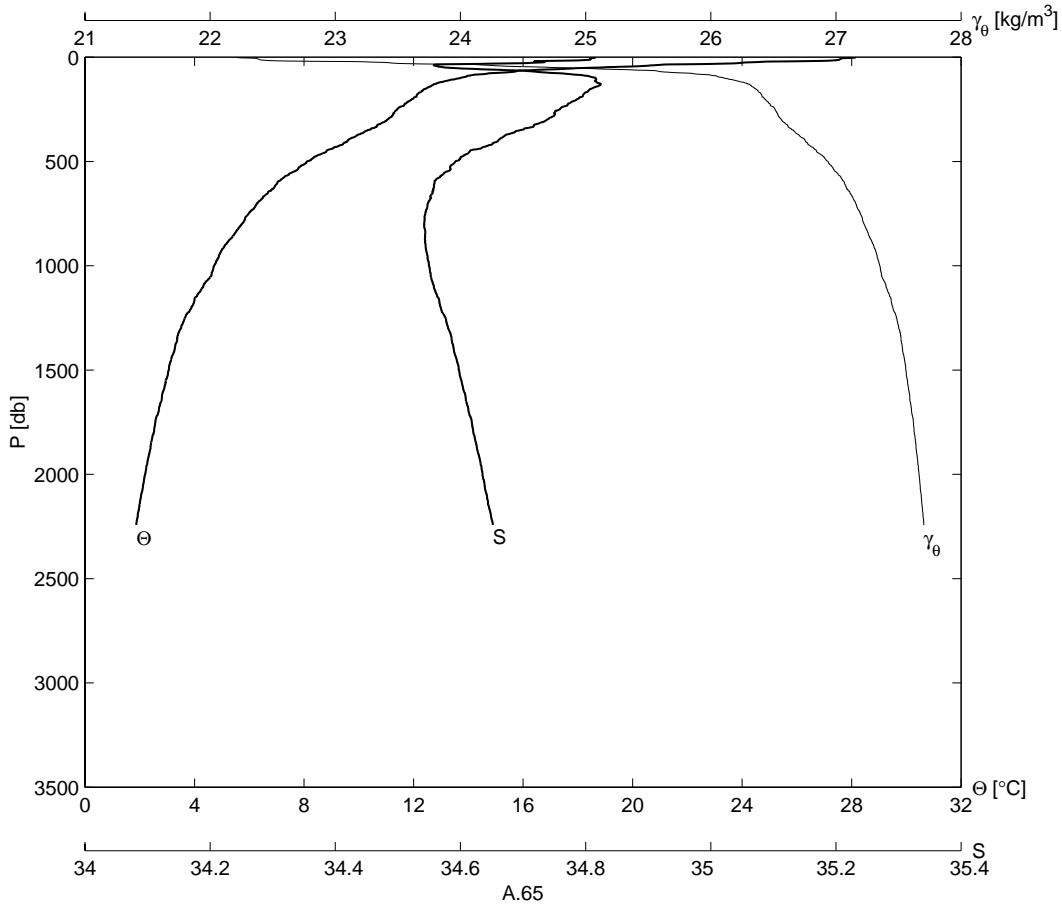
A.63

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
B03	66	16 55.5	101 9.0	5	5	2001	1538		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2954.7	27.3	34.77	25.7	29.7	5.1	53	3	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.942	34.776	22.567	99.900	140.0	12.741	34.823	26.308	99.900
5.0	26.906	34.775	22.578	99.900	160.0	12.539	34.815	26.341	99.900
10.0	26.890	34.775	22.583	99.900	180.0	12.361	34.806	26.369	99.900
15.0	26.885	34.776	22.585	99.900	200.0	12.135	34.795	26.404	99.900
20.0	26.413	34.724	22.695	99.900	300.0	11.106	34.740	26.554	99.900
25.0	22.939	34.595	23.644	99.900	400.0	9.522	34.655	26.763	99.900
30.0	21.629	34.557	23.984	99.900	500.0	8.240	34.600	26.924	99.900
40.0	19.644	34.558	24.518	99.900	600.0	7.188	34.569	27.053	99.900
50.0	17.545	34.638	25.106	99.900	700.0	6.312	34.554	27.160	99.900
60.0	15.874	34.739	25.576	99.900	800.0	5.579	34.546	27.246	99.900
70.0	15.096	34.786	25.786	99.900	900.0	5.096	34.544	27.302	99.900
80.0	14.265	34.811	25.985	99.900	1000.0	4.648	34.551	27.359	99.900
90.0	13.818	34.847	26.107	99.900	1500.0	3.130	34.595	27.550	99.900
100.0	13.344	34.840	26.199	99.900	2000.0	2.304	34.631	27.651	99.900
120.0	12.992	34.834	26.266	99.900	2500.0	1.728	34.660	27.720	99.900
2934.0	1.622	34.666	27.733	99.900					

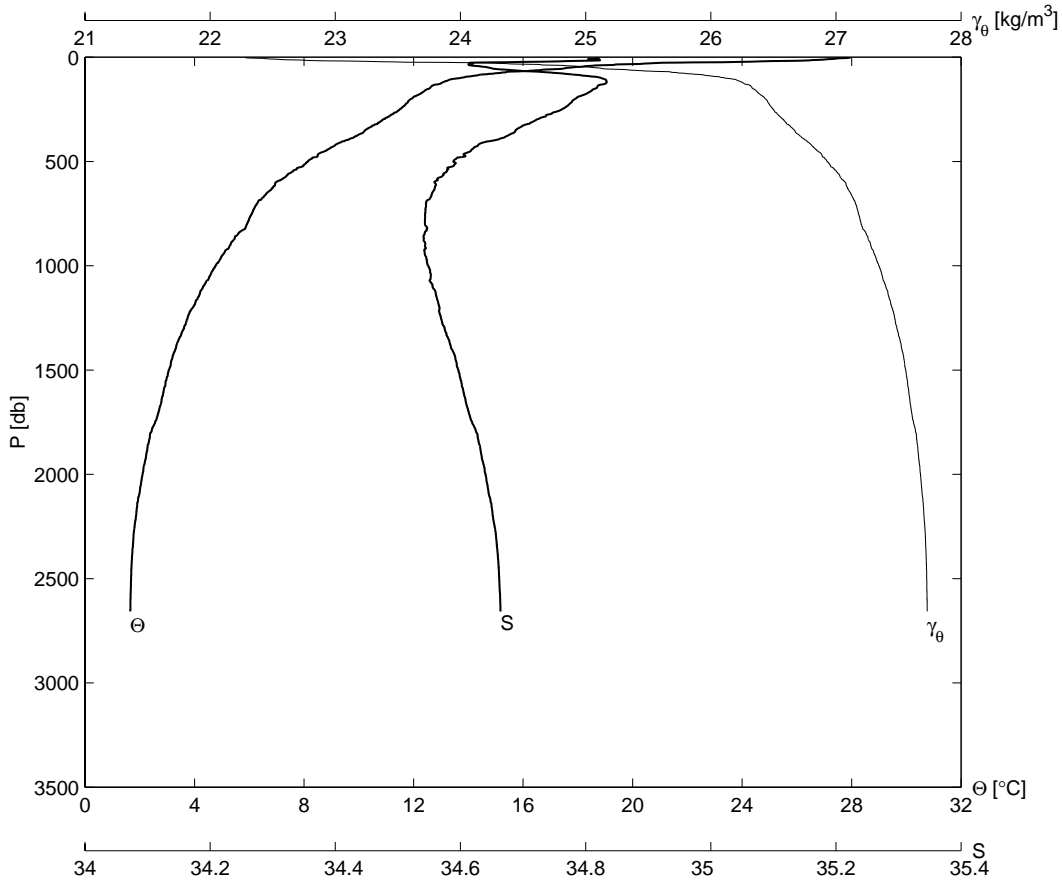


A.64

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
B04	67	16 45.9	101 13.0	5	5	2001	2129		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3023.0	28.5	34.82	26.2	30.1	6.0	286	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	28.157	34.824	22.211	99.900	140.0	12.626	34.820	26.328	99.900
5.0	27.711	34.806	22.342	99.900	160.0	12.335	34.804	26.372	99.900
10.0	27.574	34.809	22.389	99.900	180.0	12.125	34.796	26.407	99.900
15.0	27.365	34.794	22.446	99.900	200.0	11.980	34.788	26.428	99.900
20.0	25.719	34.684	22.882	99.900	300.0	11.034	34.738	26.565	99.900
25.0	24.169	34.725	23.384	99.900	400.0	9.597	34.660	26.755	99.900
30.0	23.683	34.688	23.499	99.900	500.0	8.105	34.592	26.937	99.900
40.0	20.640	34.555	24.252	99.900	600.0	7.029	34.559	27.067	99.900
50.0	18.648	34.569	24.781	99.900	700.0	6.302	34.548	27.157	99.900
60.0	16.688	34.660	25.327	99.900	800.0	5.726	34.542	27.226	99.900
70.0	15.679	34.716	25.602	99.900	900.0	5.120	34.544	27.300	99.900
80.0	14.639	34.772	25.875	99.900	1000.0	4.716	34.550	27.351	99.900
90.0	13.960	34.805	26.045	99.900	1500.0	3.059	34.597	27.558	99.900
100.0	13.717	34.817	26.105	99.900	2000.0	2.198	34.635	27.663	99.900
120.0	12.982	34.818	26.256	99.900	2243.0	1.875	34.652	27.703	99.900

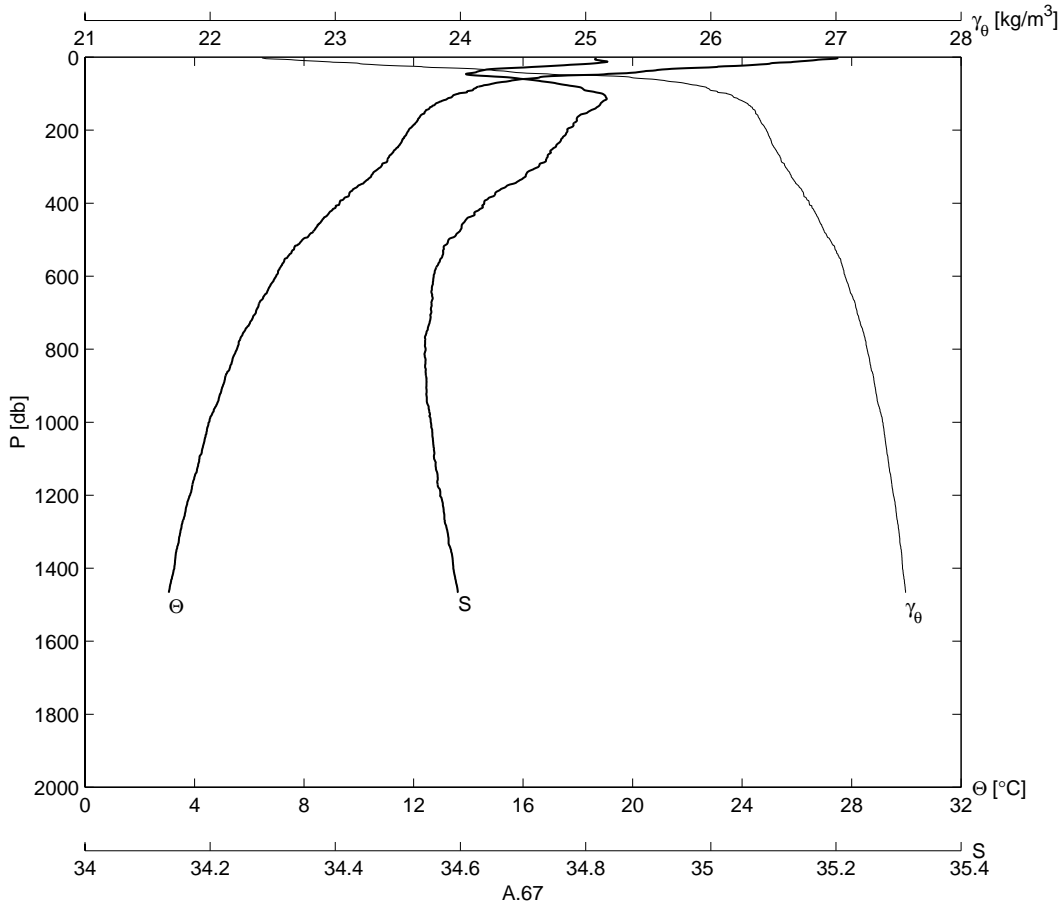


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
B05	68	16 37.4	101 17.0	6	5	2001	10		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
4418.0	28.2	34.82	25.7	29.3	4.3	16	8	1014.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.955	34.825	22.278	99.900	140.0	12.654	34.819	26.322	99.900
5.0	27.677	34.816	22.362	99.900	160.0	12.415	34.810	26.361	99.900
10.0	27.120	34.796	22.525	99.900	180.0	12.183	34.798	26.397	99.900
15.0	26.454	34.831	22.763	99.900	200.0	11.910	34.784	26.438	99.900
20.0	24.639	34.747	23.259	99.900	300.0	10.867	34.721	26.582	99.900
25.0	22.137	34.632	23.899	99.900	400.0	9.504	34.653	26.764	99.900
30.0	20.584	34.620	24.317	99.900	500.0	8.148	34.589	26.929	99.900
40.0	18.627	34.616	24.823	99.900	600.0	6.965	34.558	27.075	99.900
50.0	17.717	34.645	25.070	99.900	700.0	6.294	34.545	27.155	99.900
60.0	16.747	34.673	25.323	99.900	800.0	5.924	34.544	27.201	99.900
70.0	15.441	34.728	25.665	99.900	900.0	5.308	34.544	27.277	99.900
80.0	14.750	34.772	25.851	99.900	1000.0	4.761	34.549	27.345	99.900
90.0	14.174	34.801	25.997	99.900	1500.0	3.059	34.597	27.558	99.900
100.0	13.708	34.824	26.112	99.900	2000.0	2.101	34.640	27.675	99.900
120.0	13.076	34.834	26.249	99.900	2500.0	1.683	34.662	27.725	99.900
2657.0	1.656	34.664	27.729	99.900					

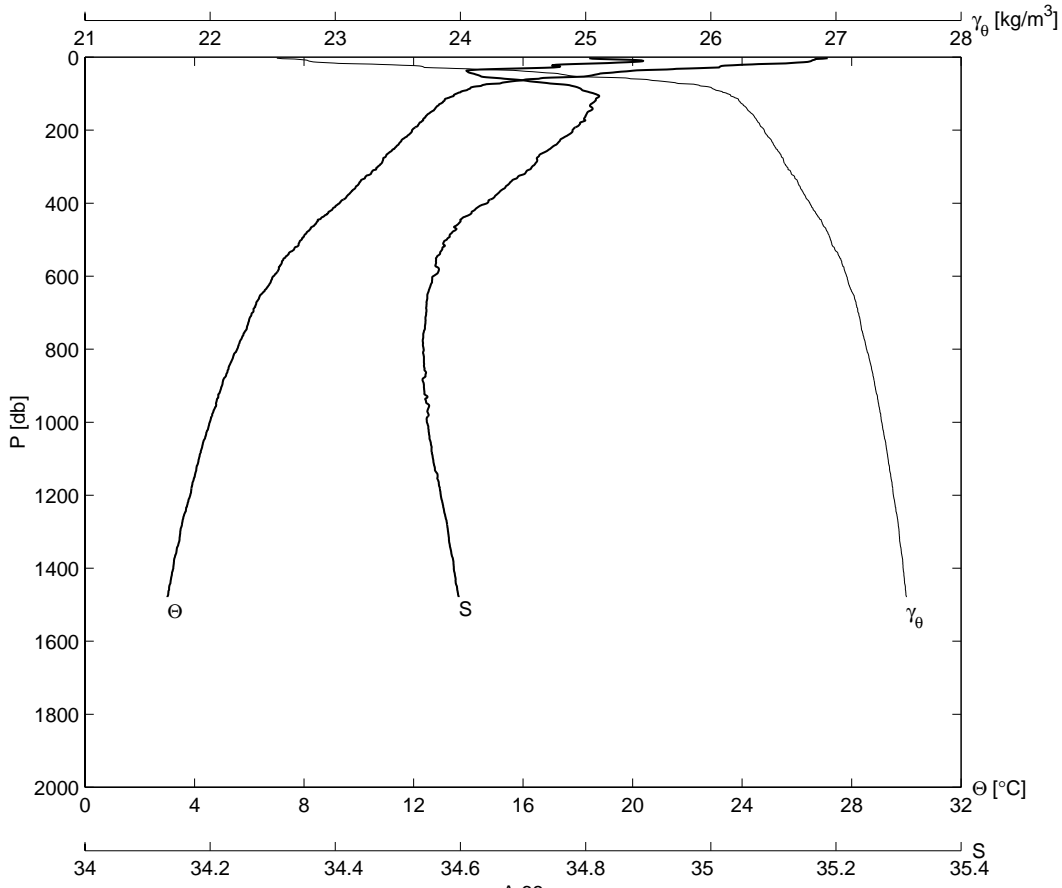


A.66

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
B06	69	16 27.9	101 21.0	6	5	2001	351		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3750.4	27.8	34.81	25.0	28.0	2.7	317	9	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.511	34.814	22.414	99.900	120.0	13.035	34.828	26.253	99.900
5.0	27.215	34.815	22.509	99.900	140.0	12.582	34.816	26.334	99.900
10.0	26.348	34.831	22.797	99.900	160.0	12.257	34.791	26.377	99.900
15.0	25.379	34.818	23.088	99.900	180.0	12.082	34.781	26.404	99.900
20.0	24.671	34.788	23.280	99.900	200.0	11.823	34.770	26.445	99.900
25.0	23.346	34.726	23.626	99.900	300.0	10.813	34.726	26.596	99.900
30.0	21.986	34.673	23.973	99.900	400.0	9.298	34.638	26.787	99.900
40.0	20.330	34.625	24.388	99.900	500.0	7.946	34.581	26.953	99.900
50.0	17.643	34.627	25.073	99.900	600.0	6.981	34.557	27.073	99.900
60.0	15.949	34.702	25.530	99.900	700.0	6.241	34.553	27.169	99.900
70.0	15.057	34.749	25.766	99.900	800.0	5.546	34.545	27.249	99.900
80.0	14.417	34.782	25.930	99.900	900.0	5.039	34.545	27.310	99.900
90.0	14.168	34.798	25.995	99.900	1000.0	4.527	34.552	27.374	99.900
100.0	13.648	34.828	26.127	99.900	1467.0	3.066	34.596	27.557	99.900

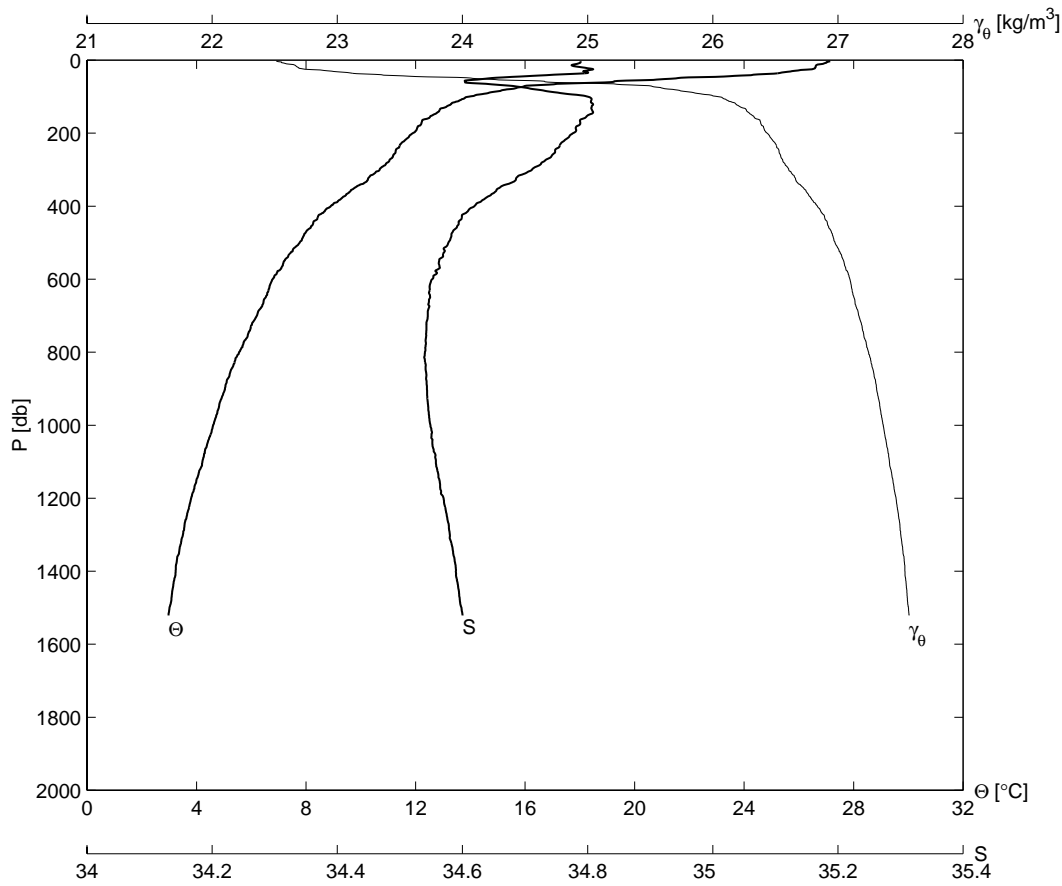


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
B07	70	16 18.9	101 25.0	6	5	2001	609		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3478.0	27.4	34.80	25.2	27.0	3.6	77	9	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.679	34.807	22.675	99.900	120.0	13.119	34.816	26.226	99.900
10.0	26.537	34.895	22.786	99.900	140.0	12.796	34.811	26.287	99.900
15.0	26.017	34.845	22.911	99.900	160.0	12.469	34.800	26.343	99.900
20.0	24.365	34.766	23.355	99.900	180.0	12.216	34.791	26.385	99.900
25.0	23.215	34.759	23.689	99.900	200.0	11.947	34.779	26.427	99.900
30.0	22.455	34.728	23.883	99.900	300.0	10.700	34.715	26.607	99.900
40.0	19.578	34.611	24.575	99.900	400.0	9.293	34.643	26.791	99.900
50.0	18.518	34.629	24.859	99.900	500.0	7.910	34.578	26.956	99.900
60.0	16.276	34.673	25.433	99.900	600.0	6.878	34.555	27.085	99.900
70.0	15.241	34.736	25.715	99.900	700.0	6.113	34.545	27.179	99.900
80.0	14.299	34.783	25.956	99.900	800.0	5.559	34.541	27.245	99.900
90.0	13.950	34.794	26.038	99.900	900.0	5.005	34.541	27.311	99.900
100.0	13.577	34.813	26.131	99.900	1000.0	4.555	34.546	27.366	99.900
1479.0	3.011	34.597	27.563	99.900					



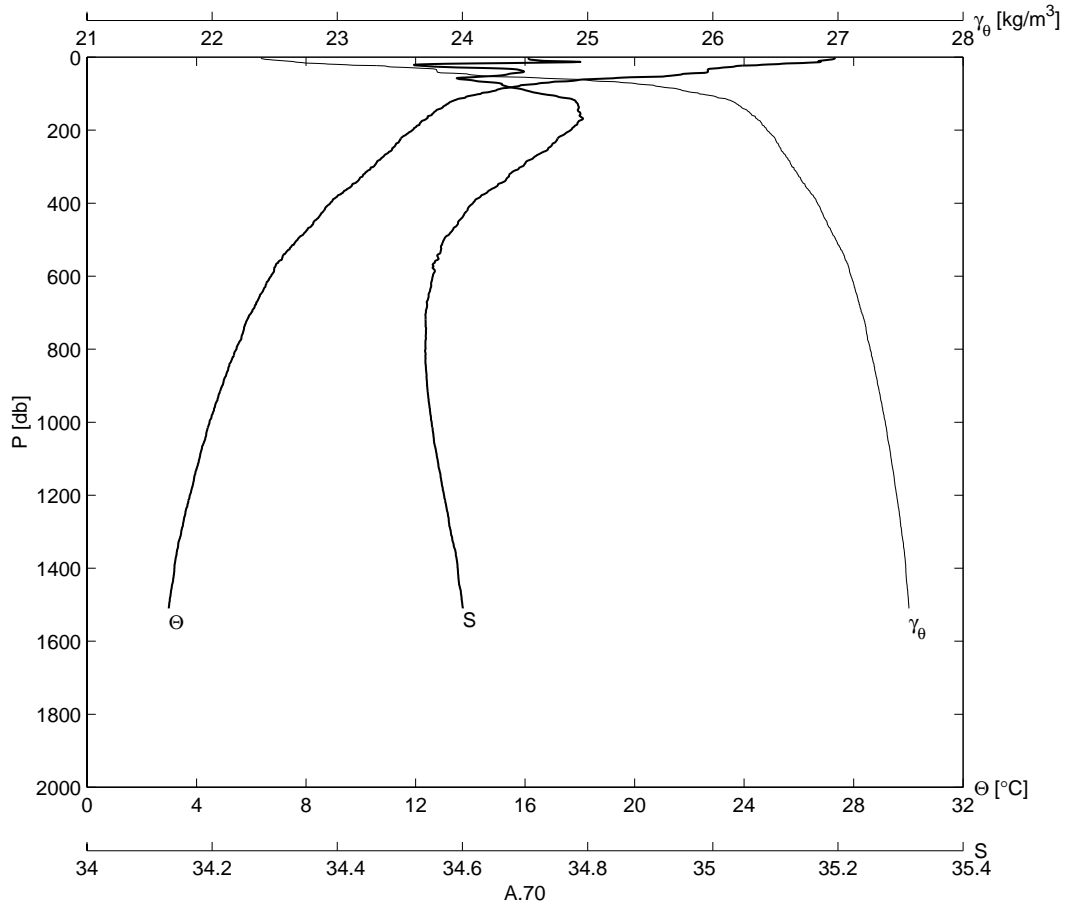
A.68

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
B08	71	16 10.0	101 29.0	6	5	2001	826		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3677.0	27.5	34.79	25.2	27.0	1.4	104	9	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	27.017	34.789	22.554	99.900	140.0	12.858	34.808	26.273	99.900
10.0	26.878	34.785	22.595	99.900	160.0	12.442	34.794	26.344	99.900
15.0	26.625	34.773	22.666	99.900	180.0	12.117	34.783	26.398	99.900
20.0	26.606	34.792	22.686	99.900	200.0	11.906	34.776	26.433	99.900
25.0	26.478	34.815	22.744	99.900	300.0	10.687	34.711	26.607	99.900
30.0	25.748	34.791	22.954	99.900	400.0	8.902	34.619	26.836	99.900
40.0	24.344	34.751	23.351	99.900	500.0	7.763	34.578	26.977	99.900
50.0	21.510	34.643	24.083	99.900	600.0	6.779	34.552	27.096	99.900
60.0	19.144	34.605	24.682	99.900	700.0	6.204	34.544	27.166	99.900
70.0	16.055	34.679	25.488	99.900	800.0	5.554	34.540	27.245	99.900
80.0	15.334	34.718	25.681	99.900	900.0	5.040	34.543	27.309	99.900
90.0	14.651	34.757	25.860	99.900	1000.0	4.605	34.549	27.362	99.900
100.0	13.953	34.800	26.043	99.900	1500.0	3.014	34.598	27.563	99.900
120.0	13.308	34.809	26.182	99.900	1521.0	2.978	34.600	27.568	99.900

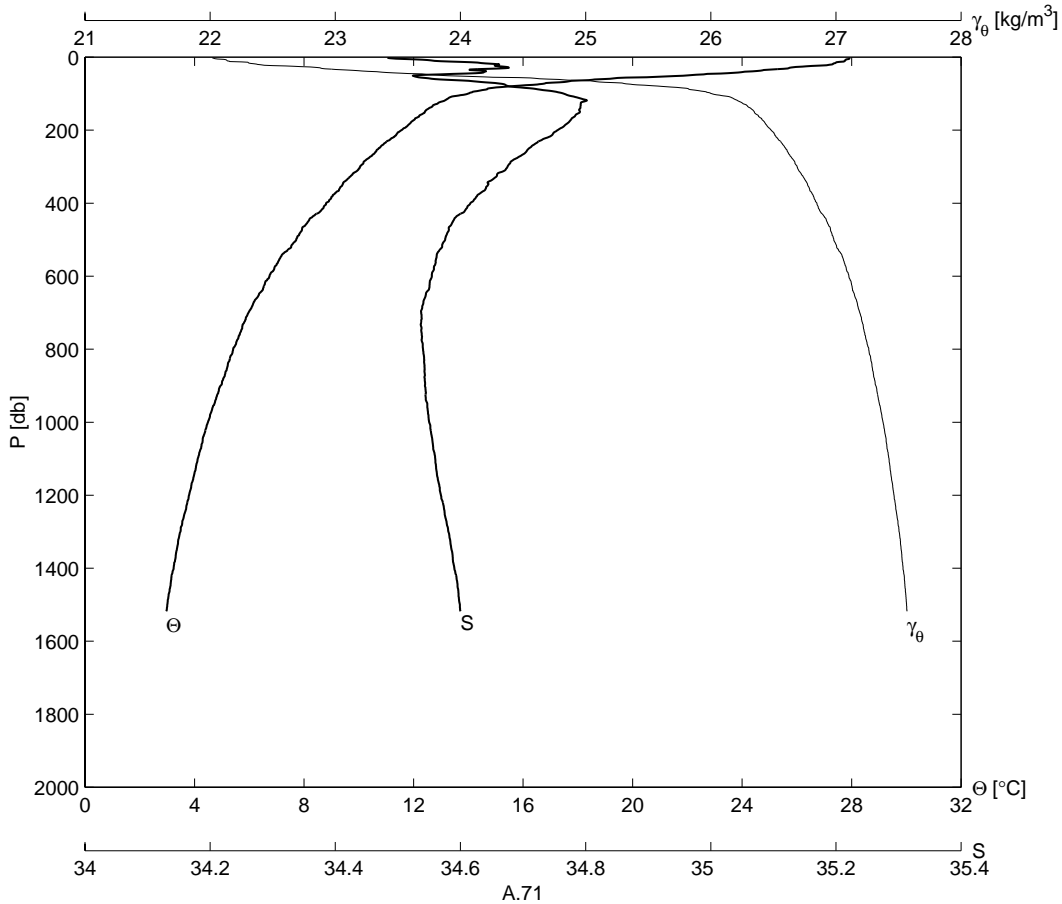


A.69

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
B09	72	16 0.9	101 33.1	6	5	2001	1132		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3336.0	27.6	34.70	24.0	27.0	5.5	78	9	1013.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.335	34.706	22.389	99.900	120.0	13.369	34.782	26.149	99.900
5.0	27.261	34.706	22.413	99.900	140.0	12.941	34.786	26.239	99.900
10.0	26.745	34.708	22.579	99.900	160.0	12.532	34.786	26.320	99.900
15.0	26.446	34.767	22.718	99.900	180.0	12.167	34.783	26.389	99.900
20.0	24.904	34.518	23.006	99.900	200.0	11.888	34.773	26.434	99.900
25.0	23.677	34.549	23.395	99.900	300.0	10.464	34.696	26.634	99.900
30.0	23.072	34.653	23.650	99.900	400.0	8.885	34.617	26.836	99.900
40.0	22.680	34.700	23.798	99.900	500.0	7.693	34.571	26.982	99.900
50.0	21.428	34.664	24.121	99.900	600.0	6.723	34.553	27.104	99.900
60.0	18.439	34.590	24.849	99.900	700.0	6.003	34.542	27.190	99.900
70.0	16.841	34.653	25.285	99.900	800.0	5.458	34.541	27.257	99.900
80.0	15.722	34.671	25.558	99.900	900.0	4.937	34.543	27.320	99.900
90.0	14.958	34.700	25.750	99.900	1000.0	4.473	34.551	27.378	99.900
100.0	14.393	34.725	25.892	99.900	1500.0	3.002	34.600	27.566	99.900
1510.0	2.986	34.601	27.568	99.900					

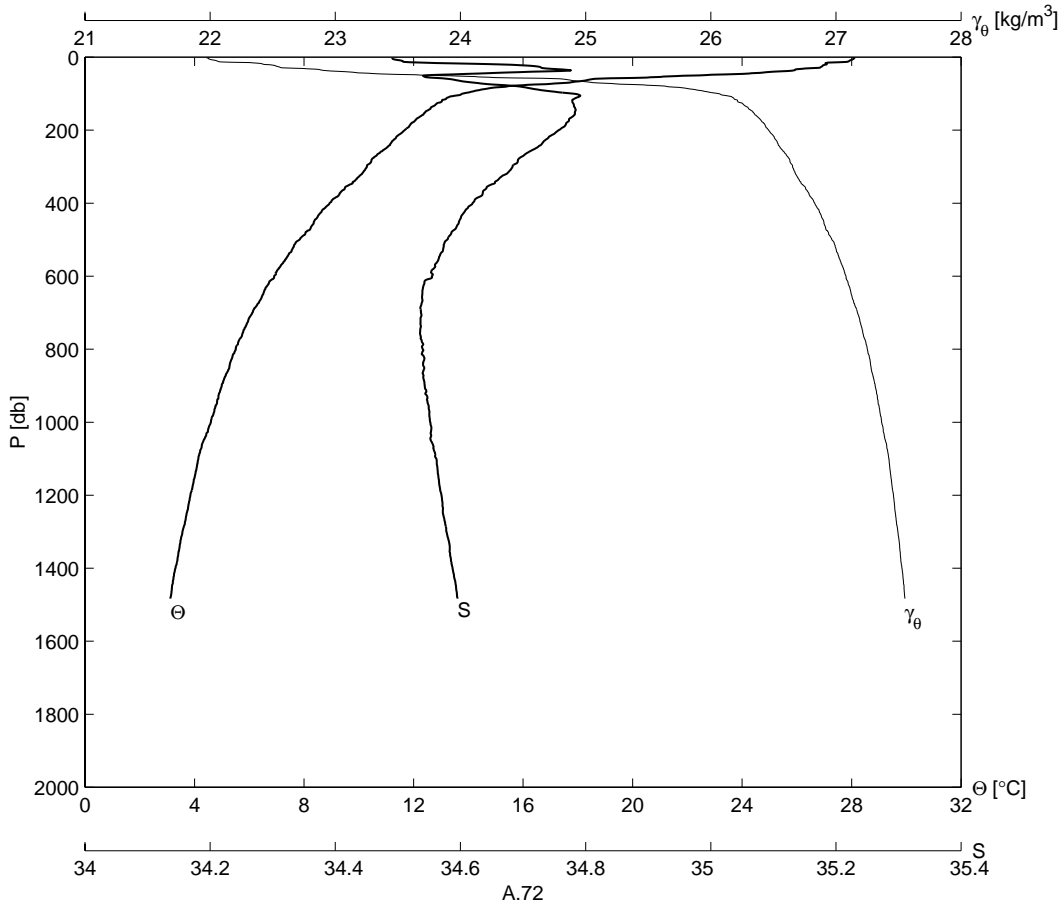


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
B10	73	15 51.4	101 37.1	6	5	2001	1349		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3402.0	28.2	34.47	27.0	31.0	0.0	0	4	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.940	34.472	22.017	99.900	120.0	13.111	34.802	26.217	99.900
5.0	27.889	34.505	22.059	99.900	140.0	12.558	34.793	26.320	99.900
10.0	27.757	34.554	22.138	99.900	160.0	12.214	34.783	26.380	99.900
15.0	27.432	34.635	22.305	99.900	180.0	11.893	34.772	26.432	99.900
20.0	27.288	34.673	22.380	99.900	200.0	11.558	34.756	26.483	99.900
25.0	26.352	34.663	22.669	99.900	300.0	10.052	34.676	26.690	99.900
30.0	25.708	34.682	22.884	99.900	400.0	8.810	34.615	26.847	99.900
40.0	24.101	34.629	23.331	99.900	500.0	7.714	34.575	26.983	99.900
50.0	22.008	34.516	23.848	99.900	600.0	6.739	34.554	27.103	99.900
60.0	18.904	34.550	24.702	99.900	700.0	5.969	34.537	27.191	99.900
70.0	17.047	34.647	25.232	99.900	800.0	5.412	34.540	27.262	99.900
80.0	15.518	34.676	25.607	99.900	900.0	4.952	34.543	27.319	99.900
90.0	14.510	34.732	25.872	99.900	1000.0	4.489	34.550	27.376	99.900
100.0	13.989	34.764	26.007	99.900	1500.0	3.006	34.599	27.565	99.900
1518.0	2.970	34.601	27.569	99.900					

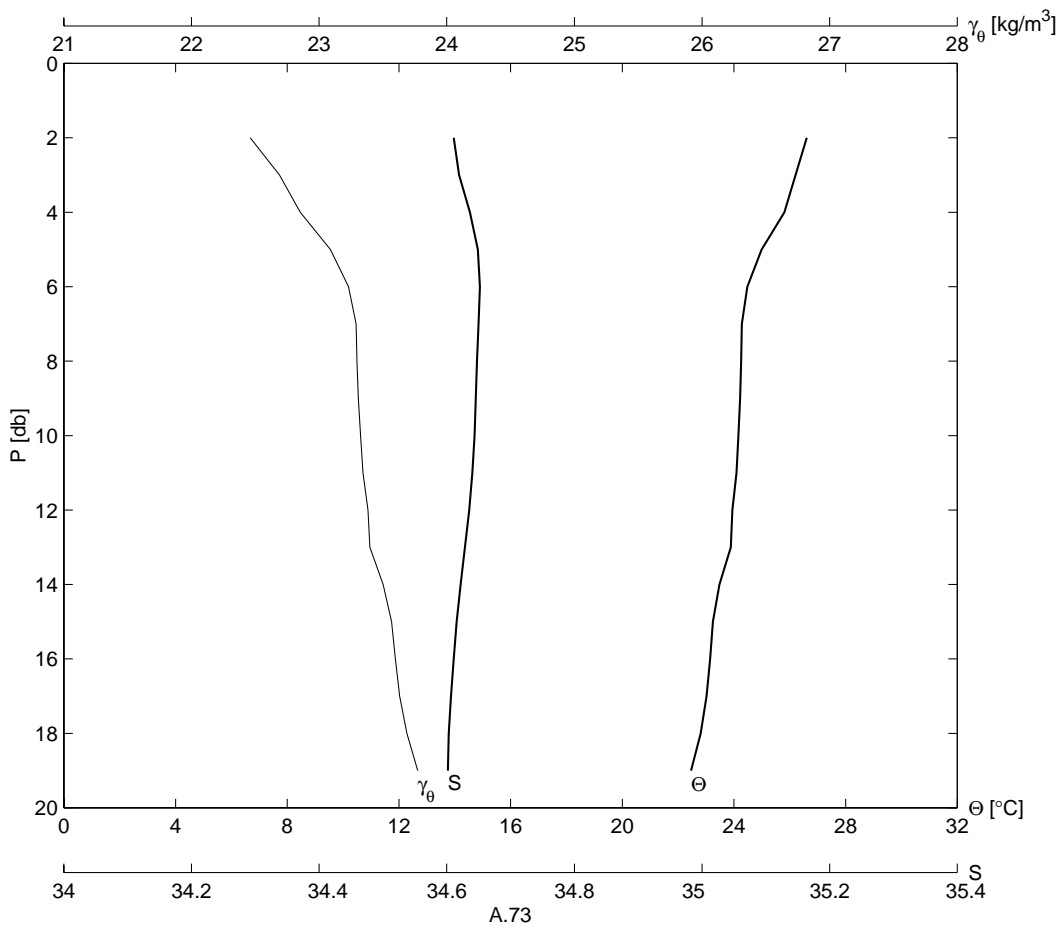


A.71

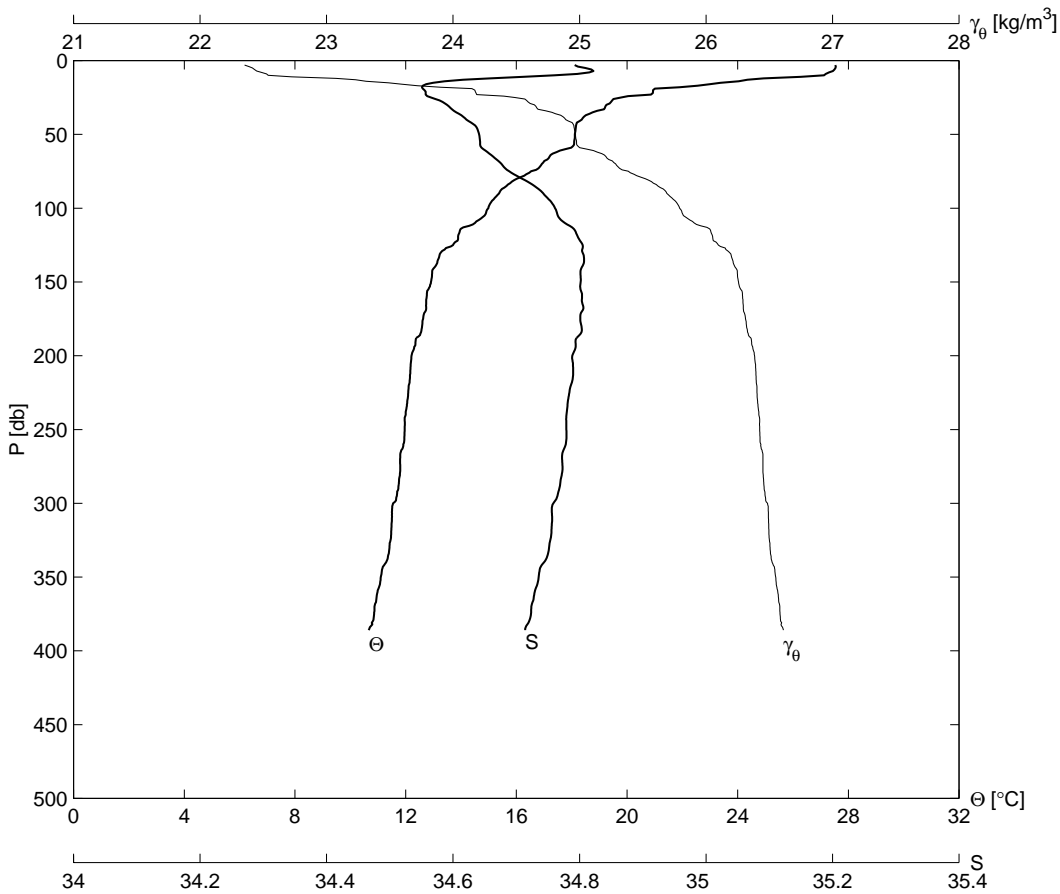
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
B11	74	15 43.0	101 40.9	6	5	2001	1601		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3451.1	28.4	34.49	26.0	31.0	6.5	205	3	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	28.123	34.490	21.971	99.900	120.0	13.037	34.779	26.214	99.900
5.0	28.061	34.491	21.992	99.900	140.0	12.625	34.783	26.300	99.900
10.0	27.918	34.511	22.053	99.900	160.0	12.292	34.781	26.363	99.900
15.0	27.149	34.528	22.314	99.900	180.0	11.943	34.769	26.421	99.900
20.0	27.093	34.657	22.430	99.900	200.0	11.678	34.758	26.462	99.900
25.0	26.924	34.721	22.532	99.900	300.0	10.297	34.683	26.654	99.900
30.0	26.538	34.715	22.649	99.900	400.0	8.934	34.619	26.830	99.900
40.0	25.134	34.708	23.080	99.900	500.0	7.836	34.580	26.968	99.900
50.0	22.446	34.518	23.726	99.900	600.0	6.911	34.554	27.080	99.900
60.0	18.532	34.585	24.822	99.900	700.0	6.113	34.536	27.172	99.900
70.0	17.686	34.621	25.059	99.900	800.0	5.503	34.539	27.250	99.900
80.0	15.418	34.698	25.646	99.900	900.0	4.994	34.543	27.314	99.900
90.0	14.403	34.727	25.891	99.900	1000.0	4.598	34.551	27.365	99.900
100.0	13.787	34.783	26.064	99.900	1483.0	3.119	34.595	27.551	99.900



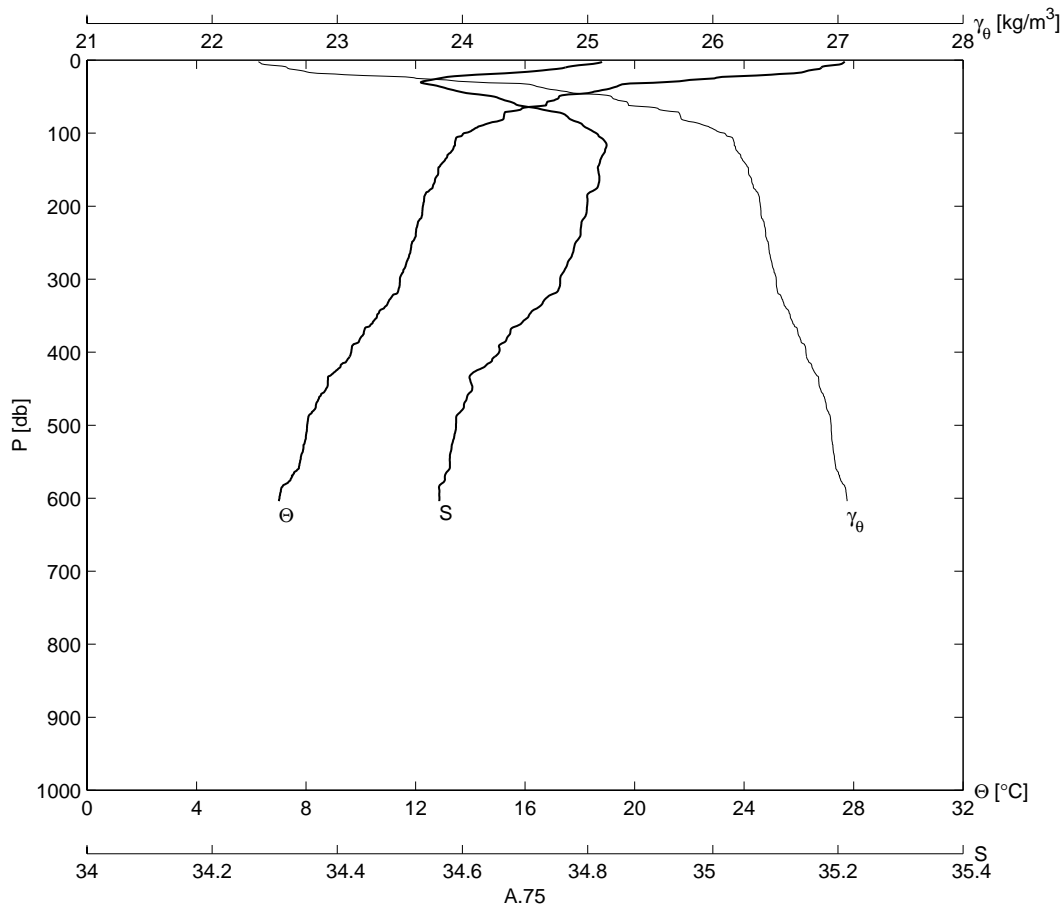
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A01	75	17 53.5	102 11.0	7	5	2001	2052		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
23.6	27.1	34.48	99.0	99.0	10.1	177	9	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.609	34.493	22.460	99.900	10.0	24.163	34.646	23.325	99.900
5.0	24.993	34.663	23.089	99.900	15.0	23.247	34.612	23.568	99.900
19.0	22.466	34.587	23.773	99.900					



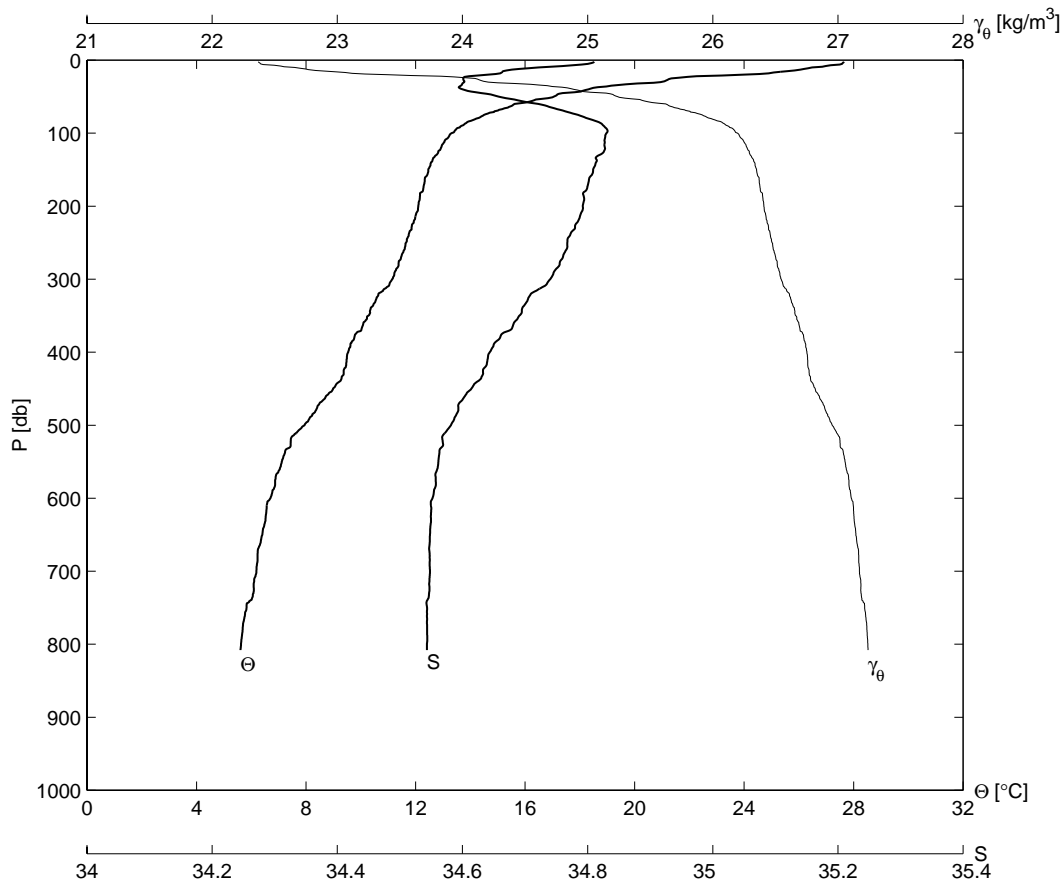
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A03	76	17 50.5	102 12.9	7	5	2001	2135		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
388.0	27.6	34.30	26.0	28.0	13.6	276	9	1016.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
5.0	27.537	34.826	22.414	99.900	80.0	16.016	34.708	25.520	99.900
10.0	27.121	34.813	22.538	99.900	90.0	15.378	34.742	25.690	99.900
15.0	23.379	34.559	23.490	99.900	100.0	14.986	34.761	25.791	99.900
20.0	20.942	34.556	24.172	99.900	120.0	13.898	34.798	26.053	99.900
25.0	19.790	34.569	24.488	99.900	140.0	13.054	34.804	26.230	99.900
30.0	19.257	34.591	24.643	99.900	160.0	12.759	34.804	26.289	99.900
40.0	18.361	34.620	24.892	99.900	180.0	12.598	34.804	26.321	99.900
50.0	18.117	34.642	24.969	99.900	200.0	12.212	34.787	26.383	99.900
60.0	17.763	34.647	25.060	99.900	300.0	11.545	34.757	26.486	99.900
70.0	16.923	34.678	25.285	99.900	386.0	10.664	34.713	26.612	99.900



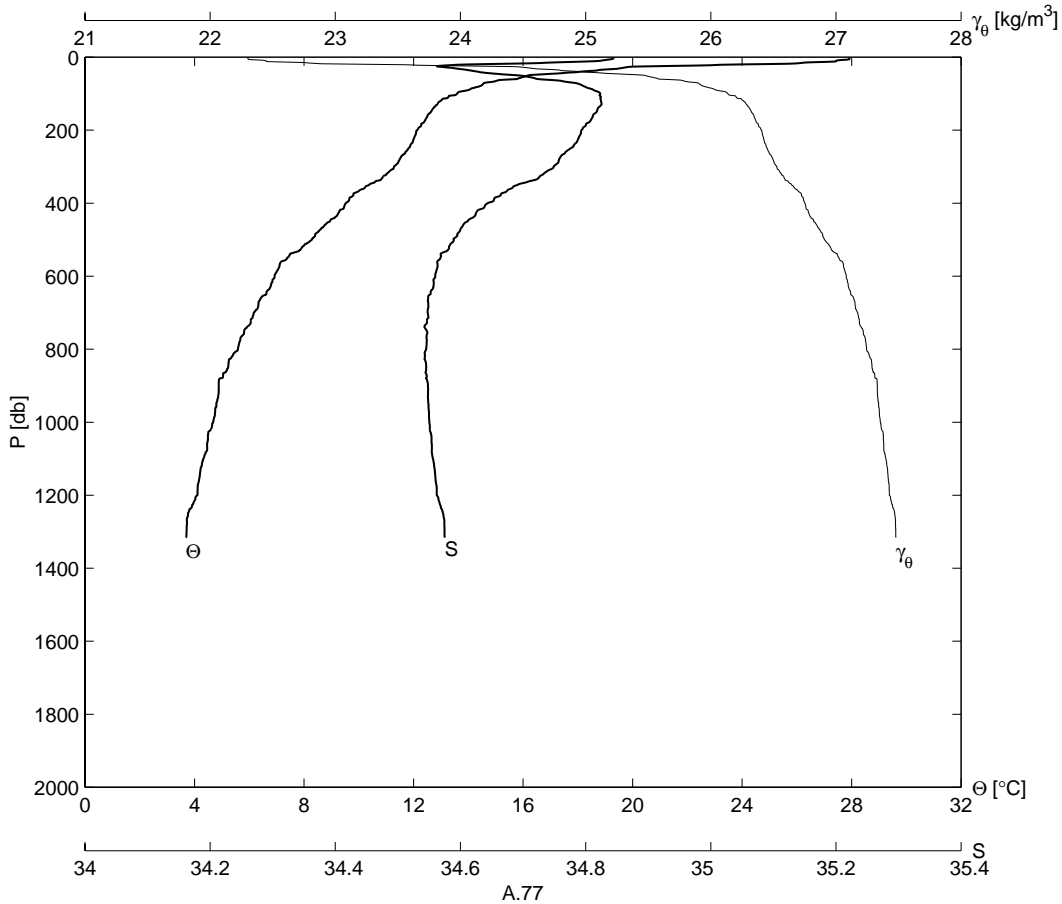
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A05	77	17 46.8	102 14.4	7	5	2001	2223		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
632.0	27.9	34.82	26.5	30.5	10.4	11	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.676	34.826	22.369	99.900	90.0	14.383	34.791	25.944	99.900
5.0	27.567	34.814	22.395	99.900	100.0	13.771	34.815	26.092	99.900
10.0	26.830	34.766	22.596	99.900	120.0	13.389	34.829	26.182	99.900
15.0	26.278	34.721	22.735	99.900	140.0	12.999	34.819	26.253	99.900
20.0	24.990	34.616	23.054	99.900	160.0	12.756	34.819	26.301	99.900
25.0	22.912	34.570	23.633	99.900	180.0	12.467	34.807	26.349	99.900
30.0	21.112	34.531	24.106	99.900	200.0	12.270	34.799	26.381	99.900
40.0	18.981	34.577	24.703	99.900	300.0	11.431	34.756	26.507	99.900
50.0	17.238	34.653	25.191	99.900	400.0	9.652	34.659	26.744	99.900
60.0	16.780	34.685	25.325	99.900	500.0	8.040	34.590	26.946	99.900
70.0	15.490	34.737	25.661	99.900	600.0	7.030	34.563	27.071	99.900
80.0	15.217	34.770	25.747	99.900	604.0	7.010	34.563	27.073	99.900



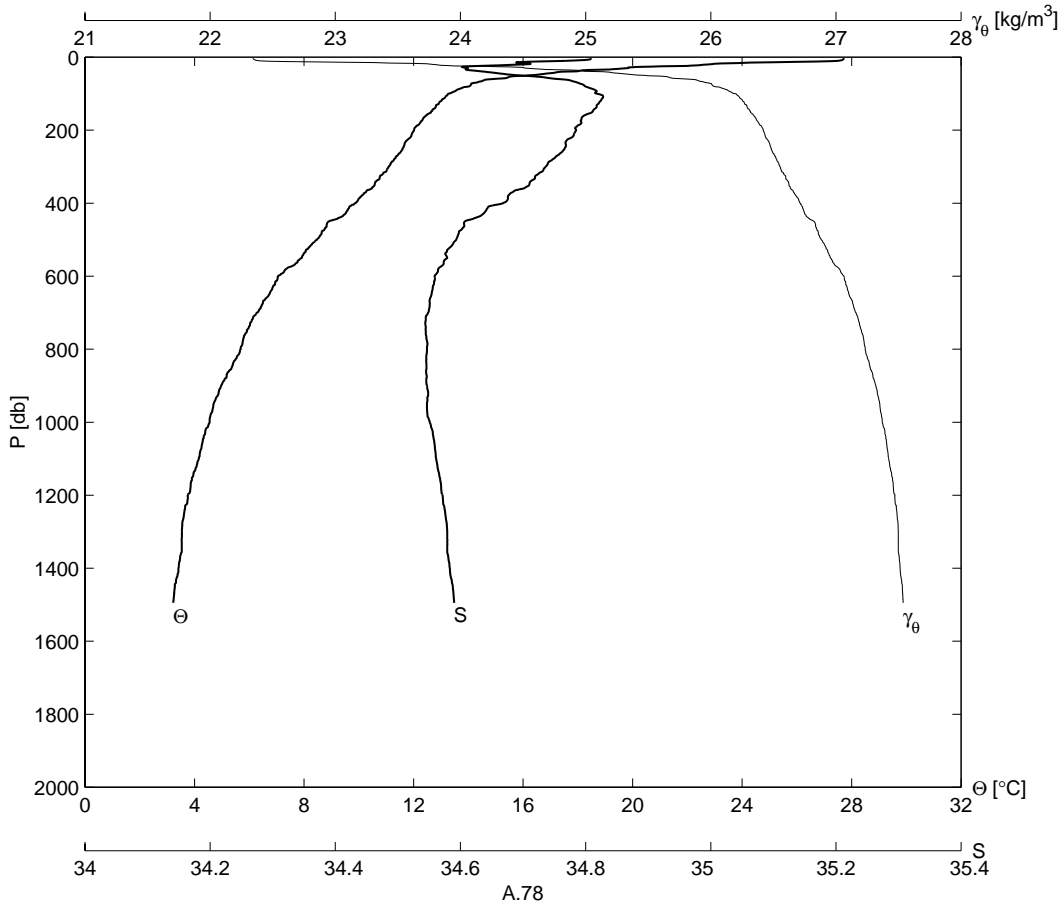
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A07	78	17 43.5	102 16.0	7	5	2001	2326		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
825.0	27.9	34.81	25.6	30.2	11.0	347	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.644	34.812	22.369	99.900	100.0	13.317	34.830	26.197	99.900
5.0	27.578	34.808	22.387	99.900	120.0	12.929	34.828	26.274	99.900
10.0	26.487	34.706	22.659	99.900	140.0	12.566	34.812	26.334	99.900
15.0	25.591	34.661	22.904	99.900	160.0	12.363	34.802	26.366	99.900
20.0	23.937	34.655	23.399	99.900	180.0	12.259	34.797	26.382	99.900
25.0	21.345	34.606	24.100	99.900	200.0	12.101	34.792	26.408	99.900
30.0	20.953	34.604	24.205	99.900	300.0	11.147	34.740	26.547	99.900
40.0	18.311	34.601	24.889	99.900	400.0	9.540	34.644	26.752	99.900
50.0	17.047	34.656	25.239	99.900	500.0	7.942	34.582	26.954	99.900
60.0	15.618	34.727	25.625	99.900	600.0	6.701	34.552	27.107	99.900
70.0	14.879	34.767	25.819	99.900	700.0	6.188	34.548	27.171	99.900
80.0	14.220	34.800	25.986	99.900	800.0	5.624	34.543	27.239	99.900
90.0	13.676	34.824	26.119	99.900	808.0	5.608	34.544	27.241	99.900



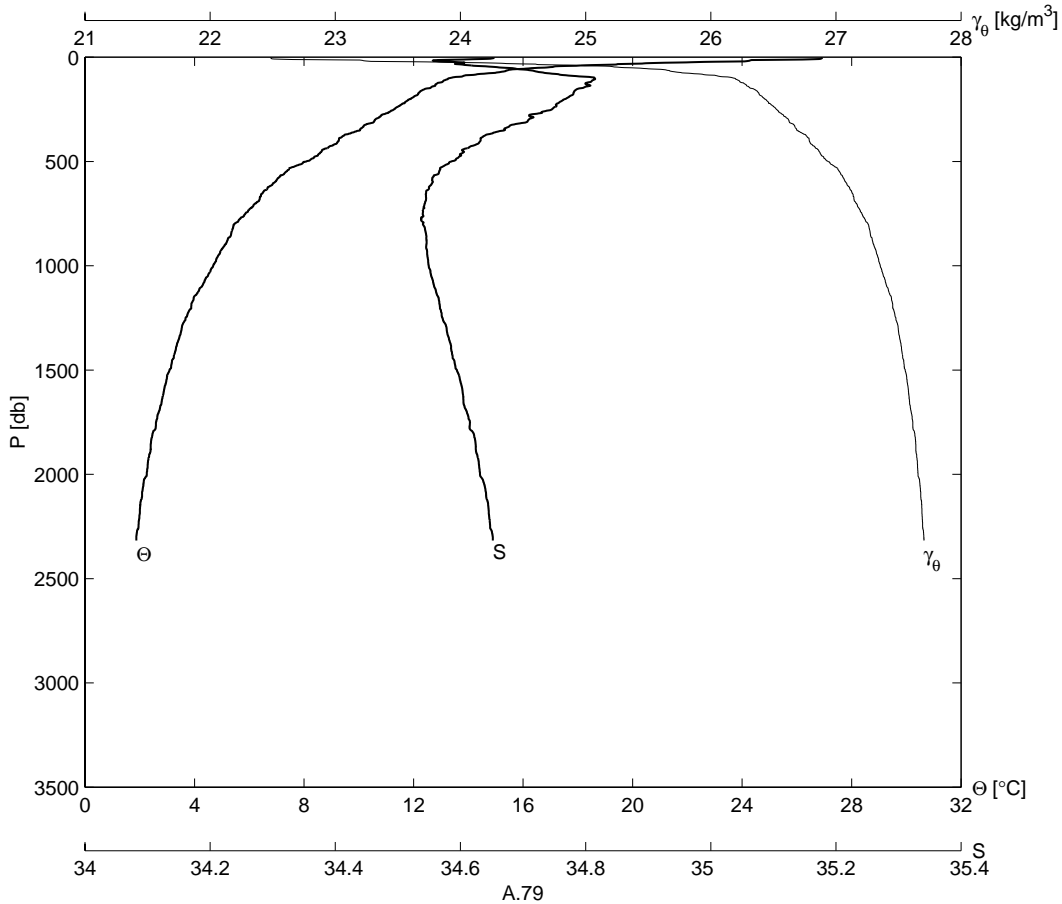
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A09	79	17 39.4	102 18.0	8	5	2001	35		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1352.0	28.3	34.84	25.5	28.0	8.2	344	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.940	34.846	22.298	99.900	120.0	12.985	34.825	26.260	99.900
5.0	27.925	34.844	22.302	99.900	140.0	12.720	34.819	26.309	99.900
10.0	27.436	34.827	22.448	99.900	160.0	12.512	34.812	26.344	99.900
15.0	26.279	34.739	22.749	99.900	180.0	12.362	34.804	26.367	99.900
20.0	23.911	34.575	23.346	99.900	200.0	12.132	34.793	26.403	99.900
25.0	20.684	34.548	24.235	99.900	300.0	11.289	34.749	26.527	99.900
30.0	19.581	34.589	24.558	99.900	400.0	9.524	34.643	26.753	99.900
40.0	18.103	34.631	24.964	99.900	500.0	8.286	34.590	26.908	99.900
50.0	16.183	34.697	25.473	99.900	600.0	6.925	34.560	27.082	99.900
60.0	15.747	34.717	25.588	99.900	700.0	6.164	34.548	27.174	99.900
70.0	14.633	34.782	25.884	99.900	800.0	5.585	34.545	27.245	99.900
80.0	14.403	34.798	25.945	99.900	900.0	4.886	34.548	27.330	99.900
90.0	13.994	34.811	26.042	99.900	1000.0	4.682	34.550	27.355	99.900
100.0	13.592	34.824	26.136	99.900	1316.0	3.685	34.575	27.480	99.900



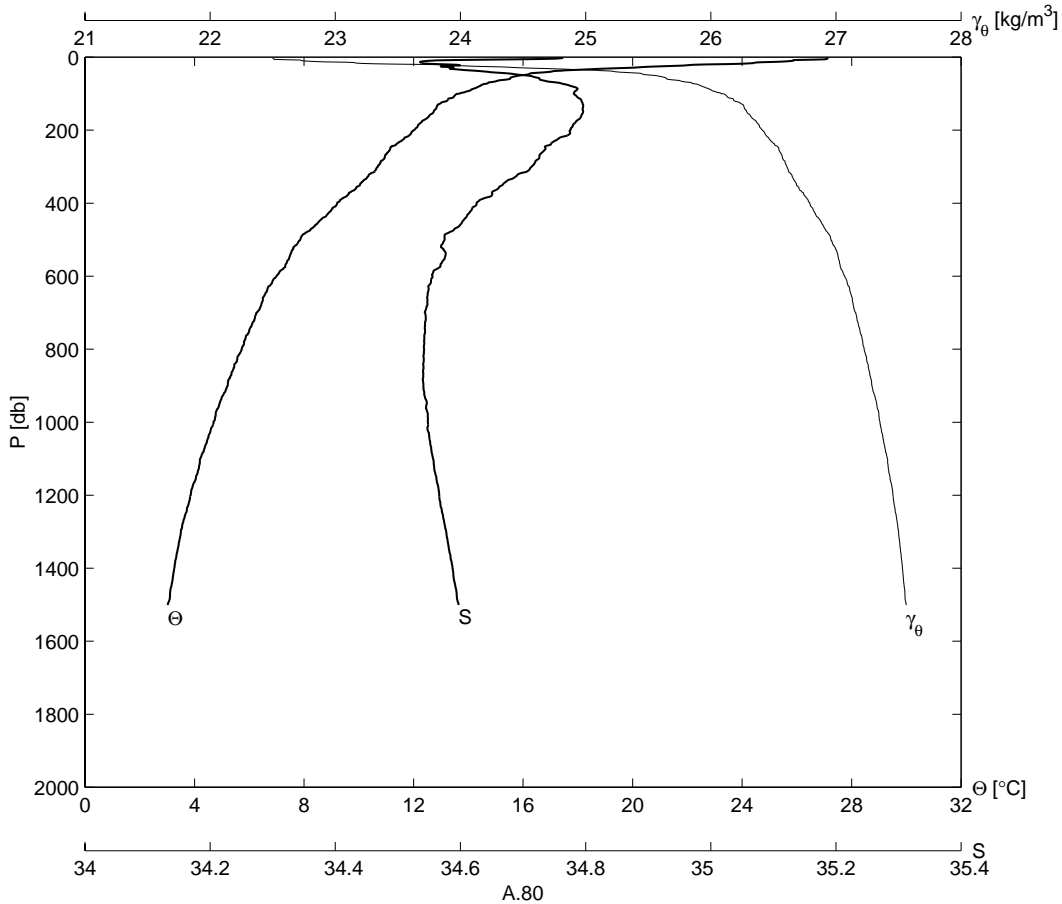
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
All	80	17 35.7	102 19.5	8	5	2001	159		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1609.0	28.1	34.81	25.0	27.0	6.9	343	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	27.706	34.809	22.346	99.900	120.0	13.017	34.824	26.253	99.900
10.0	27.495	34.787	22.399	99.900	140.0	12.776	34.816	26.295	99.900
15.0	24.313	34.685	23.310	99.900	160.0	12.450	34.797	26.344	99.900
20.0	22.778	34.714	23.780	99.900	180.0	12.242	34.794	26.382	99.900
25.0	21.040	34.593	24.174	99.900	200.0	12.013	34.785	26.420	99.900
30.0	19.822	34.618	24.517	99.900	300.0	11.091	34.736	26.553	99.900
40.0	17.402	34.631	25.135	99.900	400.0	9.865	34.667	26.715	99.900
50.0	16.161	34.699	25.479	99.900	500.0	8.472	34.594	26.883	99.900
60.0	14.856	34.761	25.819	99.900	600.0	7.048	34.559	27.064	99.900
70.0	14.279	34.789	25.965	99.900	700.0	6.275	34.548	27.160	99.900
80.0	14.026	34.799	26.026	99.900	800.0	5.685	34.547	27.234	99.900
90.0	13.569	34.816	26.134	99.900	900.0	4.974	34.547	27.319	99.900
100.0	13.281	34.817	26.194	99.900	1000.0	4.550	34.551	27.370	99.900
1495.0	3.224	34.590	27.537	99.900					



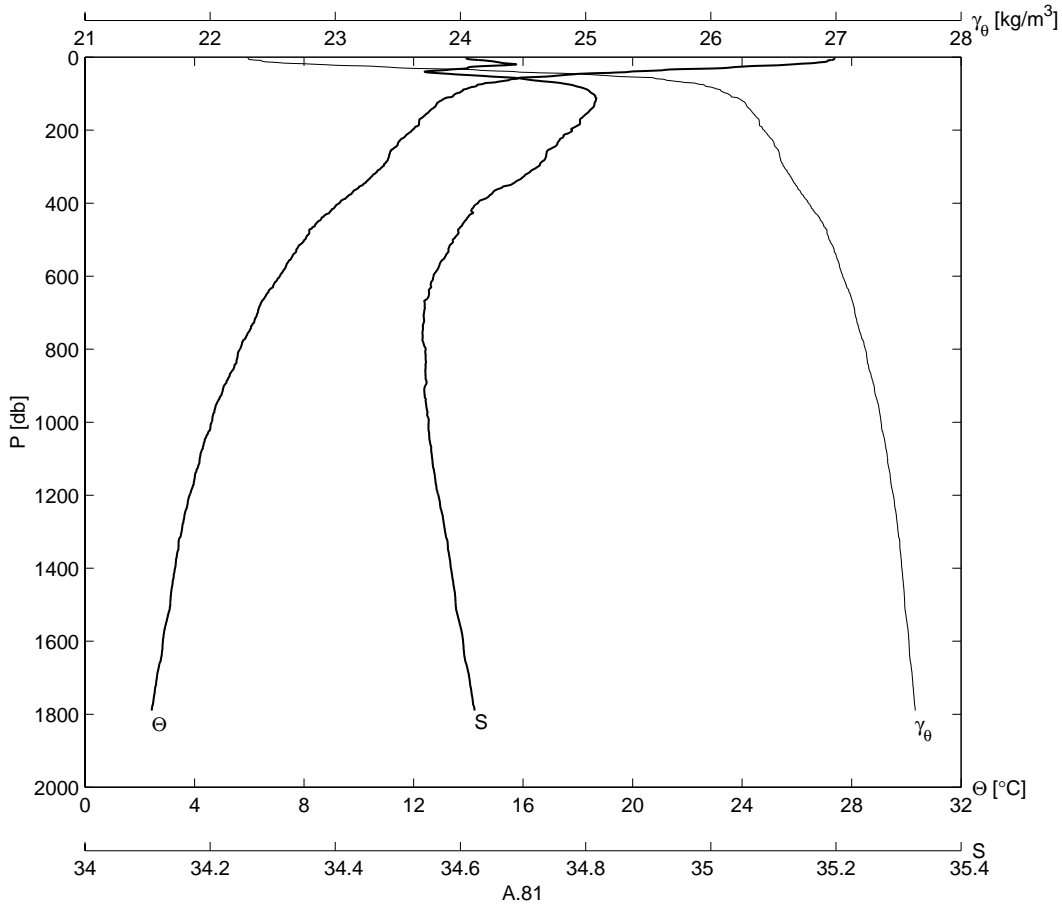
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A13	81	17 24.0	102 25.0	8	5	2001	437		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2405.2	27.3	34.65	24.5	27.0	5.6	169	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.919	34.653	22.482	99.900	140.0	12.695	34.801	26.299	99.900
5.0	26.911	34.653	22.485	99.900	160.0	12.295	34.782	26.363	99.900
10.0	26.622	34.626	22.556	99.900	180.0	12.152	34.779	26.389	99.900
15.0	24.296	34.555	23.217	99.900	200.0	11.895	34.768	26.429	99.900
20.0	24.095	34.567	23.286	99.900	300.0	10.597	34.709	26.621	99.900
25.0	21.960	34.617	23.938	99.900	400.0	9.270	34.632	26.787	99.900
30.0	20.407	34.603	24.351	99.900	500.0	8.081	34.586	26.936	99.900
40.0	18.119	34.618	24.950	99.900	600.0	6.927	34.556	27.079	99.900
50.0	16.780	34.664	25.308	99.900	700.0	6.246	34.544	27.160	99.900
60.0	15.536	34.707	25.627	99.900	800.0	5.451	34.540	27.257	99.900
70.0	15.236	34.720	25.704	99.900	900.0	5.103	34.545	27.303	99.900
80.0	14.448	34.752	25.900	99.900	1000.0	4.680	34.549	27.354	99.900
90.0	13.822	34.778	26.053	99.900	1500.0	3.087	34.594	27.553	99.900
100.0	13.323	34.813	26.183	99.900	2000.0	2.255	34.631	27.656	99.900
120.0	13.038	34.807	26.236	99.900	2317.0	1.872	34.652	27.703	99.900



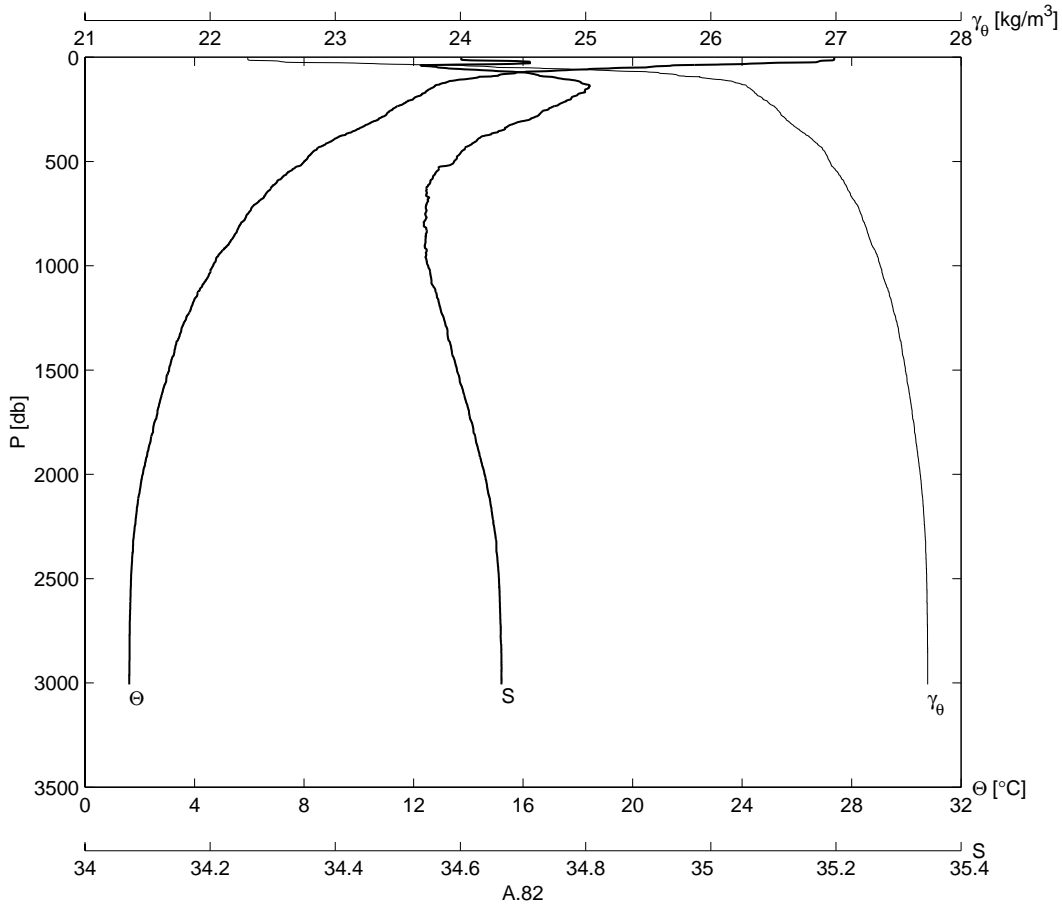
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A14	82	17 15.0	102 29.0	8	5	2001	725		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3563.0	27.5	34.76	24.0	26.0	2.2	103	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.125	34.766	22.502	99.900	120.0	13.212	34.794	26.191	99.900
5.0	27.083	34.756	22.507	99.900	140.0	12.830	34.795	26.268	99.900
10.0	25.830	34.545	22.743	99.900	160.0	12.578	34.793	26.317	99.900
15.0	24.476	34.544	23.154	99.900	180.0	12.261	34.783	26.371	99.900
20.0	22.688	34.566	23.694	99.900	200.0	12.015	34.776	26.412	99.900
25.0	21.064	34.524	24.114	99.900	300.0	10.690	34.713	26.608	99.900
30.0	19.503	34.566	24.560	99.900	400.0	9.212	34.626	26.791	99.900
40.0	17.028	34.642	25.232	99.900	500.0	7.863	34.575	26.961	99.900
50.0	15.888	34.710	25.550	99.900	600.0	6.994	34.555	27.069	99.900
60.0	15.496	34.726	25.651	99.900	700.0	6.262	34.542	27.157	99.900
70.0	14.730	34.761	25.846	99.900	800.0	5.723	34.542	27.225	99.900
80.0	14.390	34.779	25.934	99.900	900.0	5.207	34.541	27.287	99.900
90.0	14.094	34.786	26.002	99.900	1000.0	4.694	34.548	27.352	99.900
100.0	13.664	34.778	26.086	99.900	1500.0	3.025	34.597	27.561	99.900
1501.0	3.024	34.597	27.561	99.900					



ESTACION	LANCE	LATITUD		LONGITUD		DD	MM	AA	H[GMT]
A15	83	17	6.0	102	32.6	8	5	2001	1041
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
4024.0	27.7	34.61	24.5	25.6	0.0	0	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.369	34.608	22.305	99.900	120.0	12.979	34.815	26.254	99.900
5.0	27.368	34.610	22.306	99.900	140.0	12.712	34.810	26.303	99.900
10.0	27.130	34.649	22.412	99.900	160.0	12.403	34.798	26.354	99.900
15.0	26.761	34.665	22.541	99.900	180.0	12.201	34.791	26.388	99.900
20.0	25.814	34.701	22.866	99.900	200.0	11.956	34.779	26.426	99.900
25.0	24.191	34.635	23.309	99.900	300.0	10.856	34.723	26.586	99.900
30.0	23.283	34.617	23.561	99.900	400.0	9.282	34.628	26.781	99.900
40.0	19.909	34.546	24.439	99.900	500.0	8.025	34.588	26.946	99.900
50.0	17.345	34.622	25.142	99.900	600.0	7.115	34.557	27.054	99.900
60.0	15.595	34.702	25.610	99.900	700.0	6.309	34.541	27.151	99.900
70.0	14.839	34.751	25.816	99.900	800.0	5.661	34.544	27.235	99.900
80.0	14.269	34.785	25.964	99.900	900.0	5.085	34.544	27.304	99.900
90.0	13.802	34.805	26.078	99.900	1000.0	4.623	34.549	27.360	99.900
100.0	13.552	34.811	26.134	99.900	1500.0	3.113	34.592	27.549	99.900
1790.0	2.438	34.623	27.634	99.900					

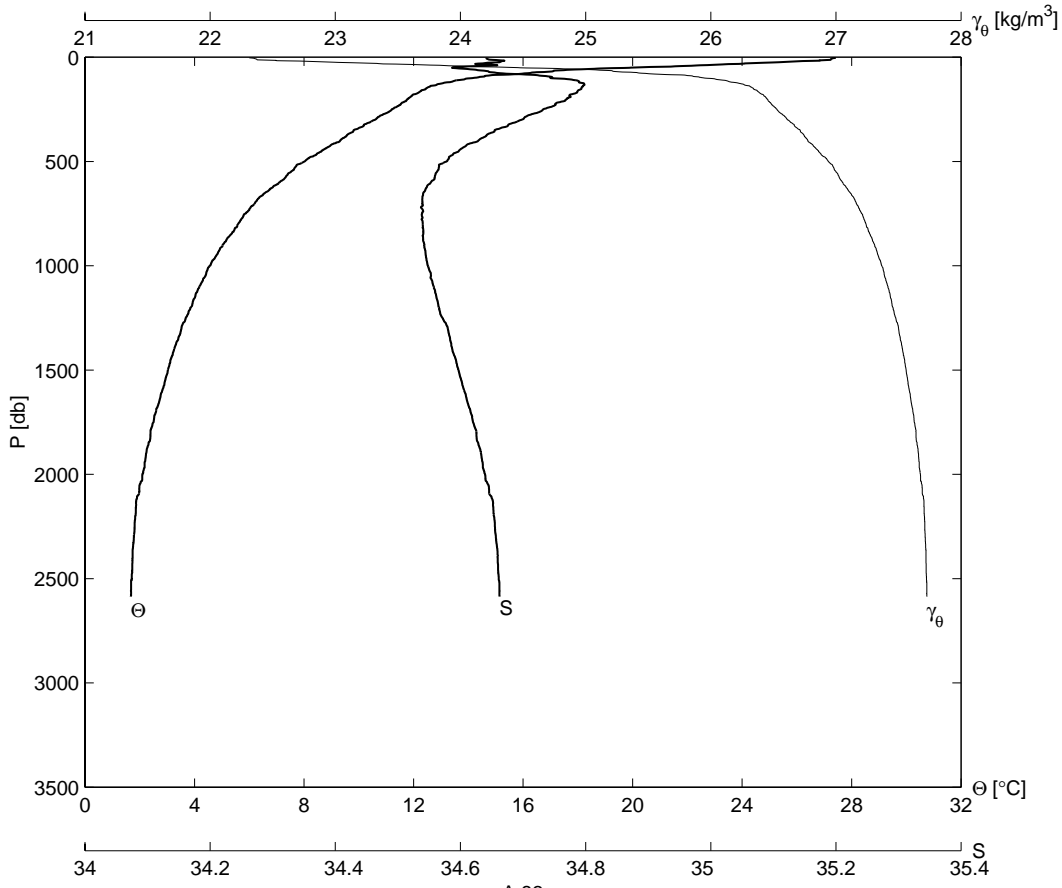


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A16	84	16 56.5	102 36.9	8	5	2001	1315		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
4035.0	27.7	34.60	25.5	27.5	2.4	205	6	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	27.365	34.601	22.301	99.900	160.0	12.515	34.799	26.333	99.900
5.0	27.365	34.601	22.300	99.900	180.0	12.283	34.787	26.369	99.900
10.0	27.363	34.601	22.301	99.900	200.0	11.999	34.777	26.416	99.900
15.0	27.295	34.599	22.322	99.900	300.0	10.695	34.709	26.604	99.900
20.0	26.807	34.704	22.557	99.900	400.0	9.035	34.626	26.819	99.900
25.0	26.485	34.688	22.647	99.900	500.0	8.005	34.590	26.951	99.900
30.0	24.626	34.705	23.231	99.900	600.0	6.999	34.552	27.066	99.900
40.0	21.432	34.540	24.026	99.900	700.0	6.277	34.546	27.158	99.900
50.0	20.011	34.553	24.418	99.900	800.0	5.688	34.542	27.230	99.900
60.0	17.944	34.622	24.996	99.900	900.0	5.234	34.544	27.286	99.900
70.0	16.110	34.691	25.485	99.900	1000.0	4.678	34.548	27.354	99.900
80.0	15.396	34.718	25.667	99.900	1500.0	3.071	34.594	27.555	99.900
90.0	15.004	34.720	25.755	99.900	2000.0	2.107	34.639	27.674	99.900
100.0	14.196	34.756	25.957	99.900	2500.0	1.682	34.661	27.725	99.900
120.0	13.223	34.791	26.186	99.900	3000.0	1.618	34.666	27.733	99.900
140.0	12.763	34.805	26.289	99.900	3007.0	1.617	34.666	27.733	99.900

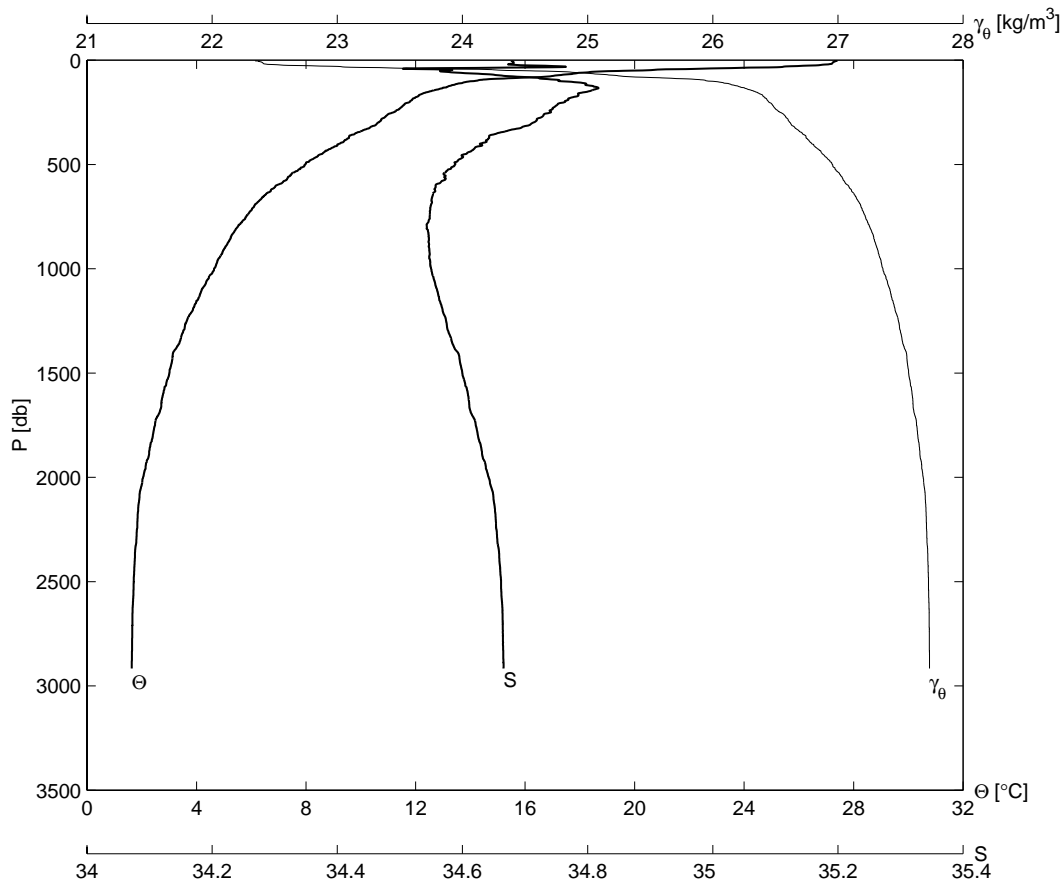


A.82

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A17	85	16 46.5	102 41.3	8	5	2001	1700		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
4031.7	28.0	34.63	26.0	33.0	0.0	0	5	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	27.325	34.641	22.343	99.900	160.0	12.285	34.788	26.369	99.900
10.0	27.243	34.644	22.372	99.900	180.0	11.975	34.774	26.419	99.900
15.0	26.834	34.676	22.527	99.900	200.0	11.808	34.772	26.448	99.900
25.0	25.179	34.652	23.024	99.900	300.0	10.589	34.697	26.613	99.900
30.0	24.091	34.630	23.334	99.900	400.0	9.316	34.628	26.776	99.900
40.0	22.349	34.657	23.859	99.900	500.0	8.020	34.578	26.939	99.900
50.0	19.943	34.585	24.460	99.900	600.0	7.103	34.552	27.052	99.900
60.0	17.751	34.627	25.047	99.900	700.0	6.207	34.539	27.162	99.900
70.0	16.944	34.644	25.254	99.900	800.0	5.592	34.540	27.240	99.900
80.0	15.890	34.681	25.527	99.900	900.0	5.029	34.542	27.309	99.900
90.0	14.608	34.734	25.852	99.900	1000.0	4.562	34.548	27.366	99.900
100.0	14.151	34.738	25.953	99.900	1500.0	3.028	34.597	27.561	99.900
120.0	13.337	34.791	26.163	99.900	2000.0	2.103	34.639	27.674	99.900
140.0	12.606	34.797	26.314	99.900	2500.0	1.706	34.661	27.723	99.900
2586.0	1.671	34.663	27.727	99.900					

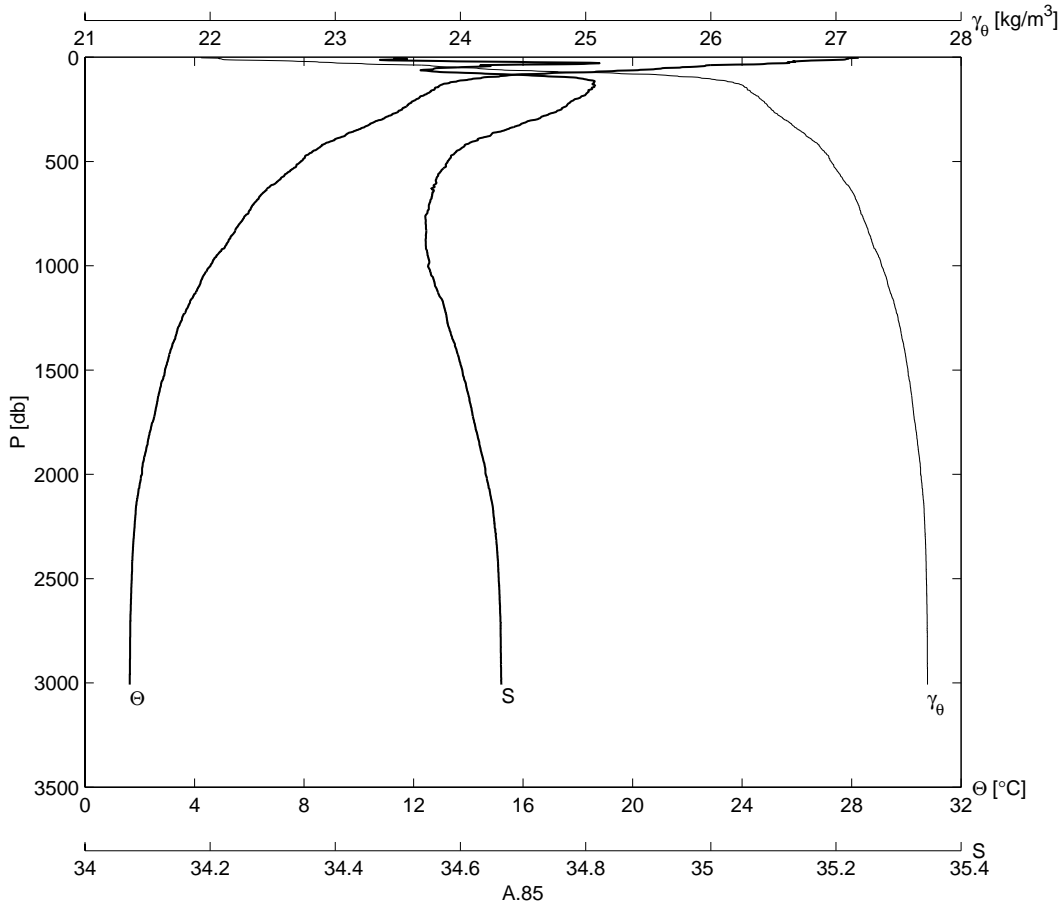


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A18	86	16 38.9	102 44.9	8	5	2001	2011		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2920.0	27.9	34.67	26.1	30.8	4.2	294	9	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	27.317	34.679	22.374	99.900	160.0	12.259	34.784	26.371	99.900
10.0	27.253	34.682	22.397	99.900	180.0	11.987	34.774	26.416	99.900
15.0	27.220	34.681	22.407	99.900	200.0	11.795	34.765	26.445	99.900
20.0	27.070	34.665	22.443	99.900	300.0	10.616	34.712	26.620	99.900
25.0	26.622	34.696	22.609	99.900	400.0	9.233	34.629	26.790	99.900
30.0	25.526	34.764	23.002	99.900	500.0	7.970	34.588	26.954	99.900
40.0	22.767	34.473	23.601	99.900	600.0	6.918	34.557	27.081	99.900
50.0	19.872	34.573	24.470	99.900	700.0	6.103	34.549	27.183	99.900
60.0	18.107	34.586	24.928	99.900	800.0	5.492	34.543	27.255	99.900
70.0	17.381	34.651	25.155	99.900	900.0	5.035	34.546	27.312	99.900
80.0	16.661	34.696	25.361	99.900	1000.0	4.642	34.550	27.359	99.900
90.0	14.831	34.734	25.804	99.900	1500.0	3.008	34.600	27.565	99.900
100.0	14.130	34.747	25.964	99.900	2000.0	2.048	34.642	27.681	99.900
120.0	13.326	34.796	26.169	99.900	2500.0	1.705	34.662	27.724	99.900
140.0	12.837	34.813	26.280	99.900	2916.0	1.636	34.665	27.732	99.900

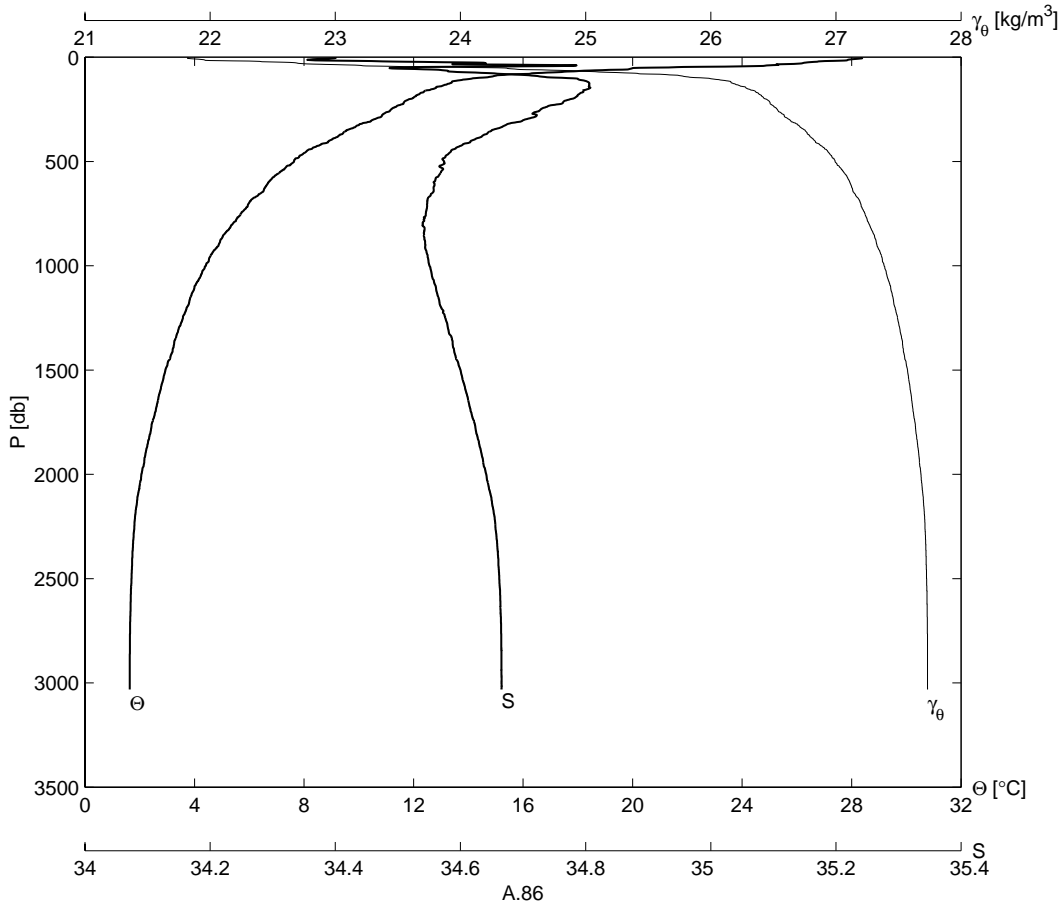


A.84

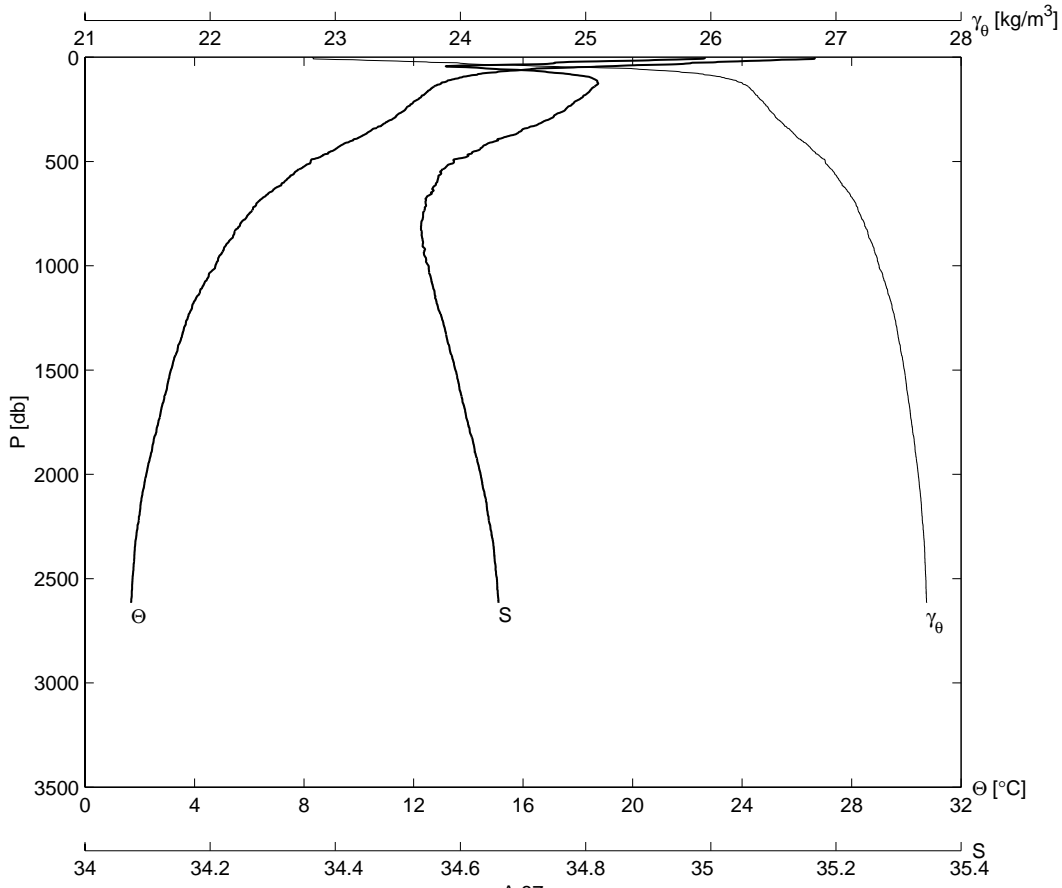
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A19	87	16 29.4	102 48.9	8	5	2001	2320		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3410.0	28.7	34.48	26.5	31.0	7.9	247	9	1015.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	28.253	34.486	21.926	99.900	160.0	12.655	34.805	26.310	99.900
5.0	27.891	34.512	22.063	99.900	180.0	12.409	34.799	26.355	99.900
10.0	27.793	34.511	22.095	99.900	200.0	12.134	34.784	26.396	99.900
15.0	26.768	34.495	22.411	99.900	300.0	10.813	34.721	26.592	99.900
20.0	25.966	34.547	22.702	99.900	400.0	9.061	34.627	26.816	99.900
25.0	25.660	34.743	22.945	99.900	500.0	7.886	34.580	26.961	99.900
30.0	25.111	34.807	23.162	99.900	600.0	7.003	34.562	27.073	99.900
40.0	22.671	34.638	23.754	99.900	700.0	6.183	34.551	27.174	99.900
50.0	21.734	34.596	23.985	99.900	800.0	5.641	34.545	27.238	99.900
60.0	20.453	34.551	24.299	99.900	900.0	5.163	34.545	27.295	99.900
70.0	18.654	34.566	24.777	99.900	1000.0	4.580	34.548	27.365	99.900
80.0	16.615	34.643	25.331	99.900	1500.0	2.921	34.603	27.575	99.900
90.0	15.259	34.726	25.704	99.900	2000.0	2.075	34.640	27.678	99.900
100.0	14.470	34.788	25.924	99.900	2500.0	1.708	34.661	27.723	99.900
120.0	13.366	34.813	26.174	99.900	3000.0	1.634	34.665	27.732	99.900
140.0	12.923	34.814	26.264	99.900	3008.0	1.633	34.666	27.732	99.900



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
A20	88	16 20.0	102 53.0	9	5	2001	221		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3396.9	28.7	34.40	25.0	27.3	9.6	336	9	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	28.366	34.400	21.823	99.900	160.0	12.435	34.795	26.346	99.900
5.0	28.386	34.402	21.819	99.900	180.0	12.159	34.788	26.394	99.900
10.0	28.026	34.363	21.907	99.900	200.0	11.898	34.778	26.436	99.900
15.0	27.831	34.352	21.962	99.900	300.0	10.515	34.702	26.630	99.900
20.0	26.797	34.487	22.396	99.900	400.0	8.932	34.618	26.830	99.900
25.0	26.374	34.624	22.633	99.900	500.0	7.635	34.574	26.993	99.900
30.0	26.171	34.641	22.709	99.900	600.0	6.696	34.557	27.111	99.900
40.0	24.902	34.778	23.203	99.900	700.0	5.985	34.547	27.197	99.900
50.0	20.699	34.504	24.198	99.900	800.0	5.389	34.540	27.265	99.900
60.0	19.626	34.569	24.530	99.900	900.0	4.882	34.544	27.327	99.900
70.0	17.502	34.586	25.076	99.900	1000.0	4.410	34.551	27.385	99.900
80.0	16.210	34.661	25.439	99.900	1500.0	2.936	34.600	27.572	99.900
90.0	14.958	34.722	25.767	99.900	2000.0	2.060	34.641	27.680	99.900
100.0	14.268	34.779	25.960	99.900	2500.0	1.699	34.662	27.724	99.900
120.0	13.397	34.804	26.161	99.900	3000.0	1.634	34.666	27.732	99.900
140.0	12.956	34.805	26.250	99.900	3031.0	1.632	34.666	27.733	99.900

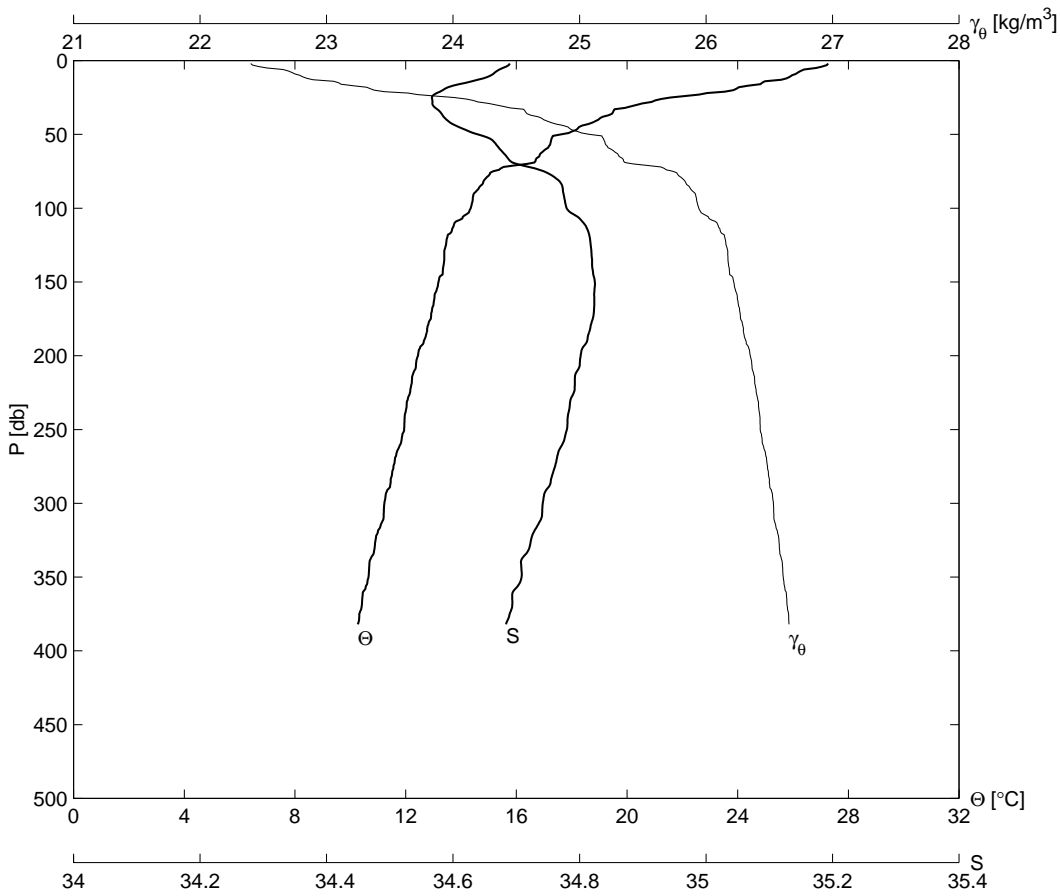


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
T01	89	17 46.2	103 21.4	9	5	2001	1726		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3029.6	27.0	34.99	26.0	28.0	18.7	159	4	1019.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.664	34.991	22.817	99.900	140.0	12.756	34.815	26.298	99.900
5.0	26.639	34.990	22.825	99.900	160.0	12.543	34.806	26.333	99.900
10.0	26.293	34.963	22.914	99.900	180.0	12.386	34.800	26.359	99.900
15.0	25.033	34.899	23.255	99.900	200.0	12.191	34.791	26.390	99.900
20.0	23.846	34.817	23.548	99.900	300.0	11.193	34.740	26.538	99.900
25.0	22.938	34.757	23.767	99.900	400.0	9.766	34.660	26.726	99.900
30.0	22.051	34.753	24.016	99.900	500.0	8.245	34.590	26.915	99.900
40.0	19.832	34.598	24.499	99.900	600.0	7.269	34.563	27.037	99.900
50.0	17.625	34.634	25.083	99.900	700.0	6.270	34.544	27.158	99.900
60.0	16.079	34.688	25.489	99.900	800.0	5.668	34.537	27.229	99.900
70.0	15.094	34.737	25.749	99.900	900.0	5.154	34.540	27.292	99.900
80.0	14.420	34.770	25.921	99.900	1000.0	4.766	34.549	27.344	99.900
90.0	13.999	34.795	26.029	99.900	1500.0	3.139	34.592	27.547	99.900
100.0	13.653	34.811	26.113	99.900	2000.0	2.241	34.632	27.657	99.900
120.0	13.137	34.819	26.225	99.900	2500.0	1.738	34.658	27.718	99.900
2616.0	1.685	34.661	27.724	99.900					



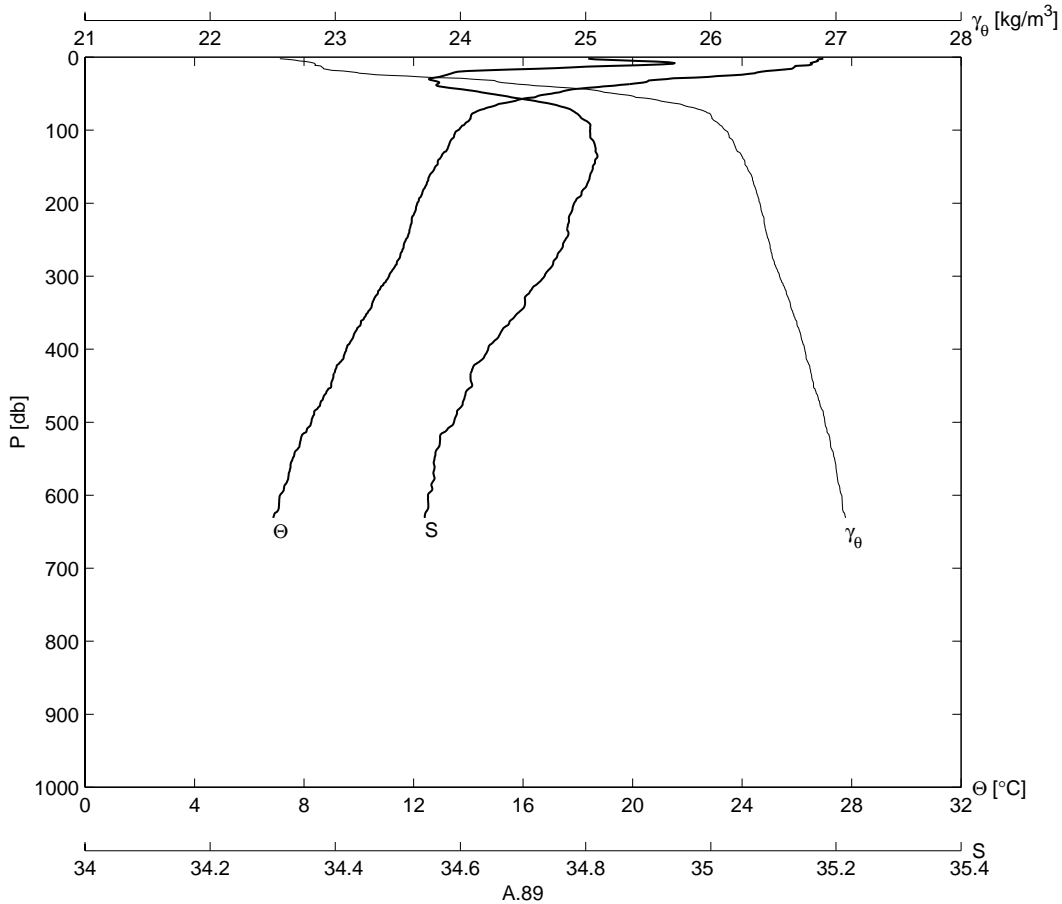
A.87

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J01	90	18 15.1	103 31.5	9	5	2001	2327		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
395.0	27.7	34.69	99.0	30.0	5.4	268	9	1012.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[$^{\circ}\text{C}$]	[kg/m^3]	[ml/l]	[db]	[db]	[$^{\circ}\text{C}$]	[kg/m^3]	[ml/l]	[ml/l]
2.0	27.270	34.694	22.401	99.900	70.0	16.395	34.693	25.421	99.900
5.0	26.839	34.681	22.529	99.900	80.0	14.885	34.764	25.815	99.900
10.0	25.962	34.659	22.788	99.900	90.0	14.468	34.775	25.913	99.900
15.0	24.884	34.630	23.097	99.900	100.0	14.350	34.779	25.942	99.900
20.0	23.844	34.590	23.377	99.900	120.0	13.502	34.816	26.149	99.900
25.0	21.577	34.567	24.006	99.900	140.0	13.358	34.820	26.181	99.900
30.0	20.363	34.568	24.336	99.900	160.0	13.045	34.823	26.247	99.900
40.0	18.964	34.588	24.715	99.900	180.0	12.794	34.817	26.292	99.900
50.0	17.622	34.626	25.078	99.900	200.0	12.445	34.802	26.349	99.900
60.0	17.063	34.674	25.249	99.900	300.0	11.233	34.742	26.532	99.900
382.0	10.270	34.681	26.656	99.900					

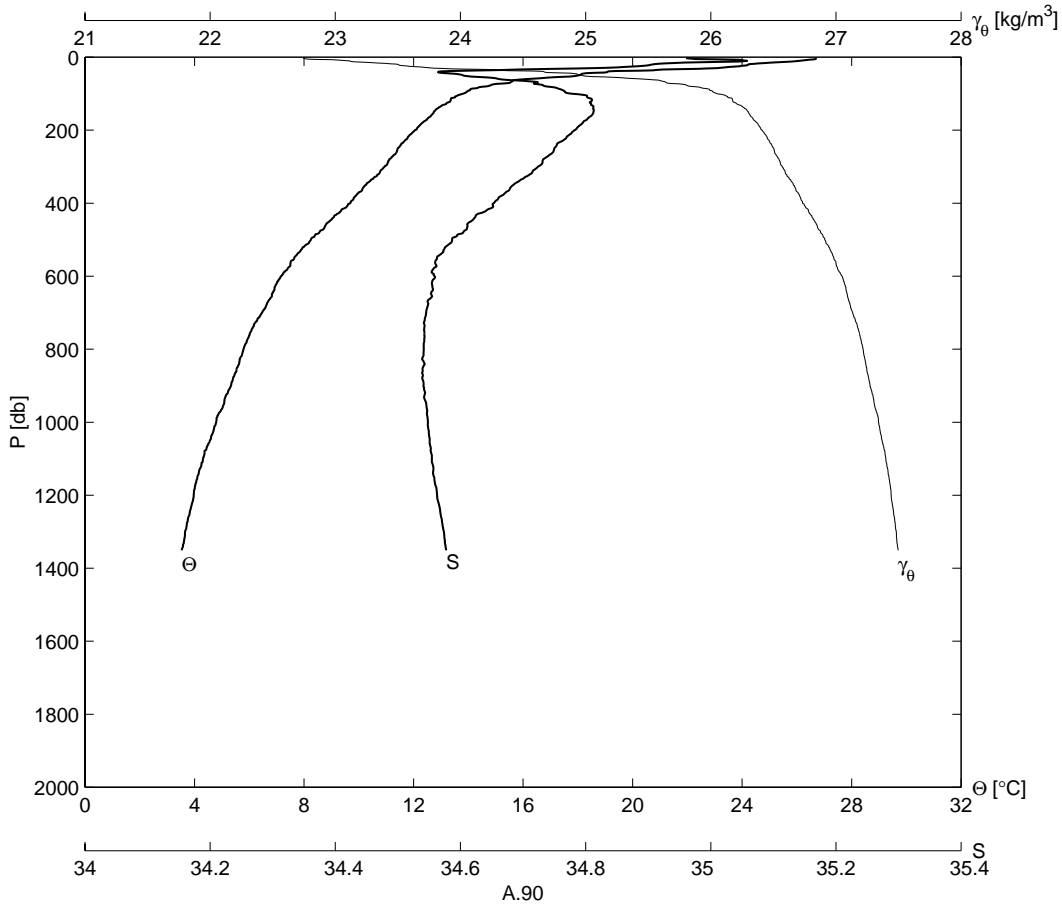


A.88

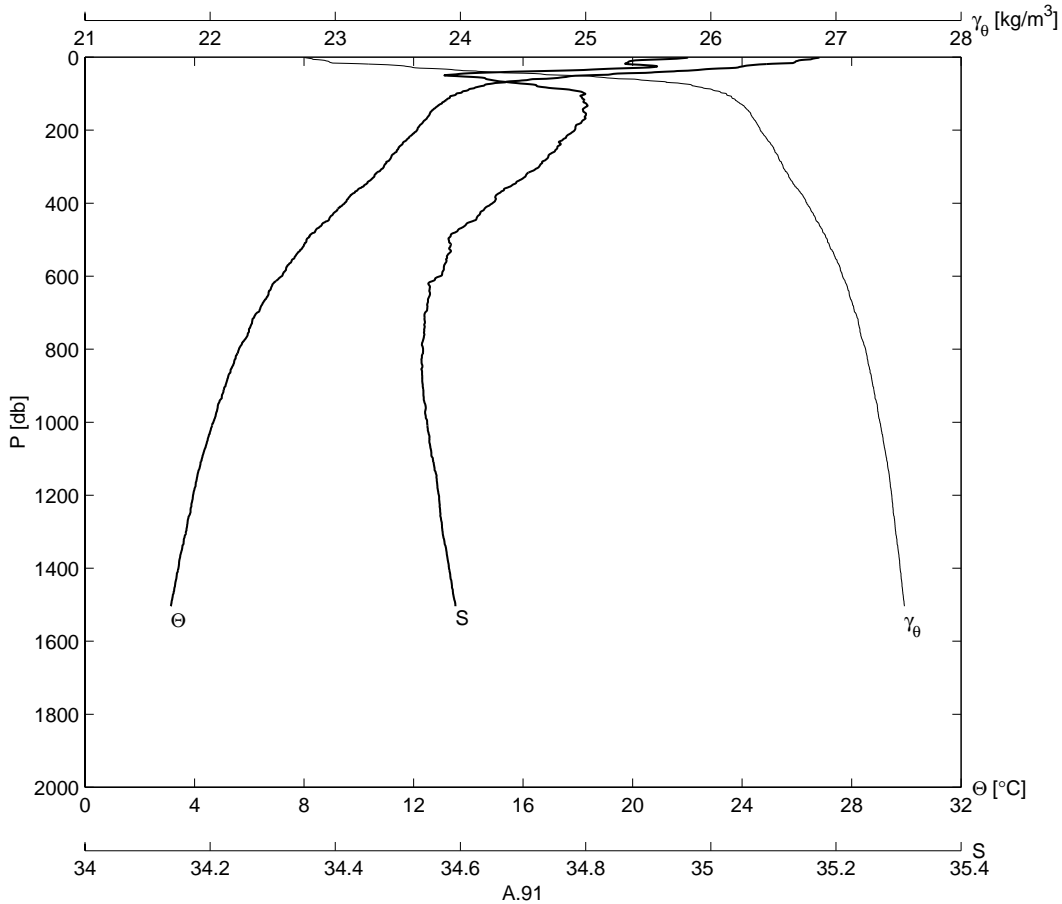
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J02	91	18 10.0	103 34.1	10	5	2001	44		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
665.0	27.4	34.78	99.0	29.0	0.0	0	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.965	34.772	22.557	99.900	90.0	13.908	34.805	26.055	99.900
5.0	26.774	34.895	22.711	99.900	100.0	13.630	34.806	26.115	99.900
10.0	26.548	34.972	22.841	99.900	120.0	13.297	34.815	26.189	99.900
15.0	25.861	34.773	22.905	99.900	140.0	12.930	34.815	26.263	99.900
20.0	24.708	34.582	23.113	99.900	160.0	12.621	34.808	26.319	99.900
25.0	23.580	34.569	23.439	99.900	180.0	12.390	34.798	26.357	99.900
30.0	21.238	34.551	24.087	99.900	200.0	12.134	34.782	26.394	99.900
40.0	18.944	34.564	24.702	99.900	300.0	11.107	34.735	26.549	99.900
50.0	17.046	34.651	25.236	99.900	400.0	9.544	34.644	26.751	99.900
60.0	15.715	34.717	25.595	99.900	500.0	8.266	34.590	26.912	99.900
70.0	14.624	34.775	25.881	99.900	600.0	7.123	34.548	27.046	99.900
80.0	14.102	34.791	26.004	99.900	631.0	6.878	34.544	27.076	99.900



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J03	92	18 1.0	103 37.5	10	5	2001	300		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1385.4	27.1	34.81	99.0	27.0	0.0	0	9	1017.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.680	34.935	22.770	99.900	120.0	13.349	34.810	26.175	99.900
10.0	26.083	35.140	23.113	99.900	140.0	12.892	34.812	26.268	99.900
15.0	25.085	34.950	23.277	99.900	160.0	12.646	34.810	26.316	99.900
20.0	24.226	34.906	23.503	99.900	180.0	12.317	34.796	26.369	99.900
25.0	23.899	34.888	23.587	99.900	200.0	12.051	34.783	26.410	99.900
30.0	23.081	34.827	23.779	99.900	300.0	10.943	34.724	26.571	99.900
40.0	19.087	34.565	24.666	99.900	400.0	9.688	34.654	26.734	99.900
50.0	18.014	34.606	24.967	99.900	500.0	8.252	34.587	26.911	99.900
60.0	16.102	34.662	25.464	99.900	600.0	7.160	34.559	27.049	99.900
70.0	15.528	34.729	25.646	99.900	700.0	6.464	34.545	27.133	99.900
80.0	14.669	34.731	25.837	99.900	800.0	5.788	34.541	27.217	99.900
90.0	14.064	34.764	25.991	99.900	900.0	5.333	34.541	27.272	99.900
100.0	13.819	34.774	26.050	99.900	1000.0	4.793	34.548	27.341	99.900
1351.0	3.533	34.577	27.497	99.900					

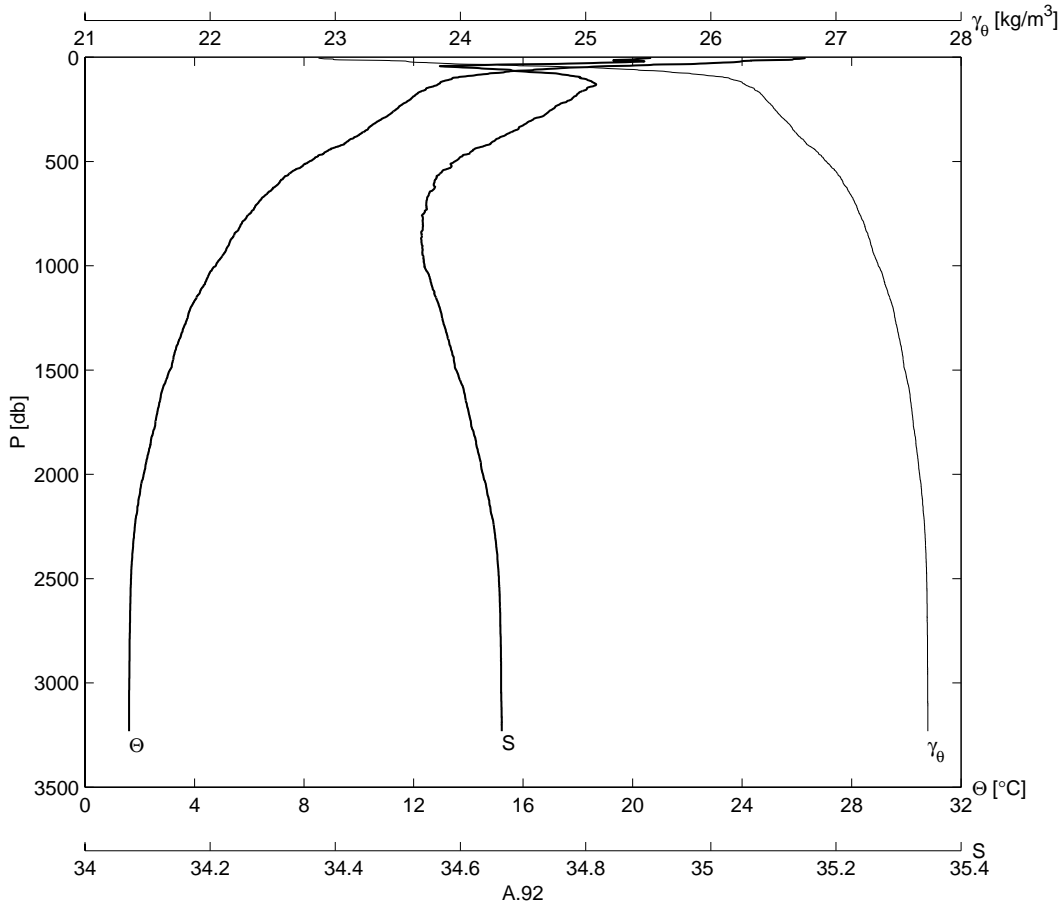


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J04	93	17 52.0	103 41.2	10	5	2001	504		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1603.6	27.2	34.97	99.0	27.0	3.0	340	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.776	34.970	22.766	99.900	120.0	13.140	34.796	26.207	99.900
5.0	26.548	34.943	22.818	99.900	140.0	12.778	34.796	26.279	99.900
10.0	26.026	34.871	22.927	99.900	160.0	12.563	34.801	26.326	99.900
15.0	25.901	34.866	22.963	99.900	180.0	12.327	34.793	26.366	99.900
20.0	24.639	34.863	23.347	99.900	200.0	12.128	34.782	26.395	99.900
25.0	24.049	34.916	23.563	99.900	300.0	10.917	34.726	26.577	99.900
30.0	23.529	34.863	23.677	99.900	400.0	9.479	34.651	26.767	99.900
40.0	21.207	34.678	24.193	99.900	500.0	8.096	34.581	26.930	99.900
50.0	18.265	34.559	24.869	99.900	600.0	7.186	34.568	27.052	99.900
60.0	16.353	34.640	25.389	99.900	700.0	6.285	34.544	27.156	99.900
70.0	15.166	34.673	25.683	99.900	800.0	5.625	34.540	27.236	99.900
80.0	14.428	34.721	25.880	99.900	900.0	5.133	34.540	27.295	99.900
90.0	13.996	34.779	26.017	99.900	1000.0	4.688	34.547	27.352	99.900
100.0	13.569	34.801	26.123	99.900	1500.0	3.145	34.592	27.546	99.900
1504.0	3.135	34.592	27.547	99.900					

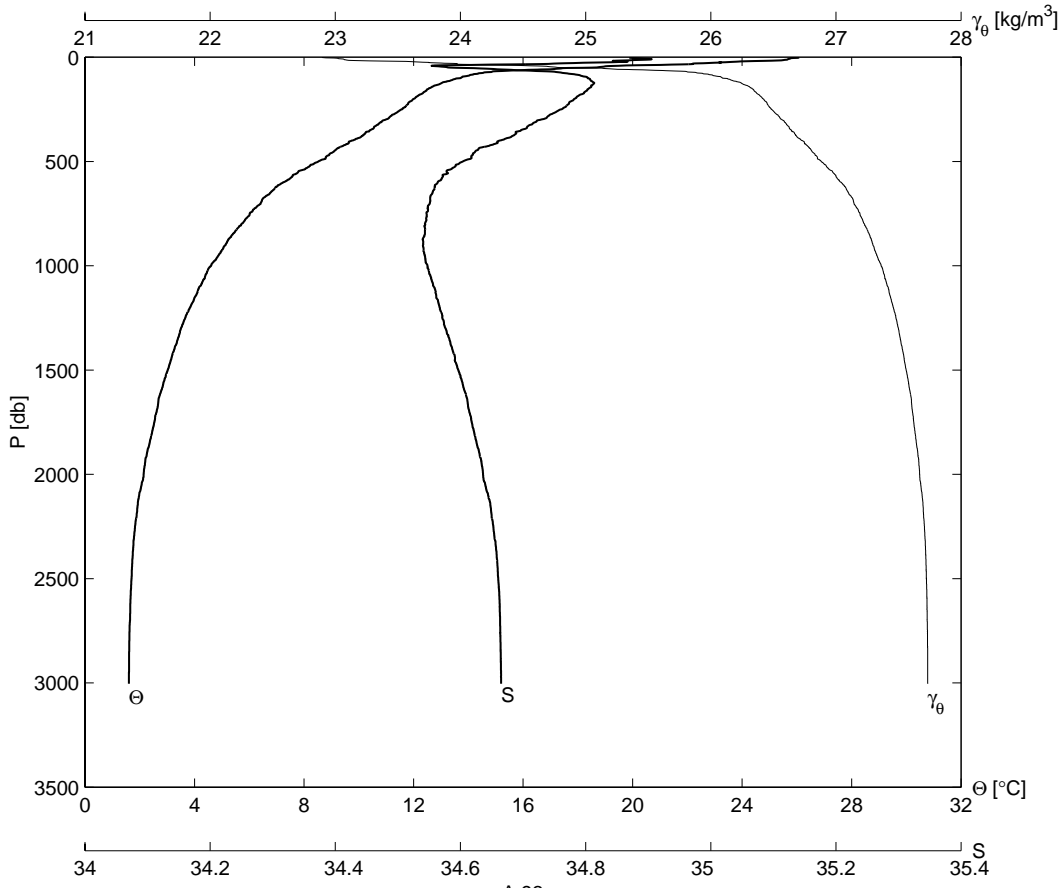


A.91

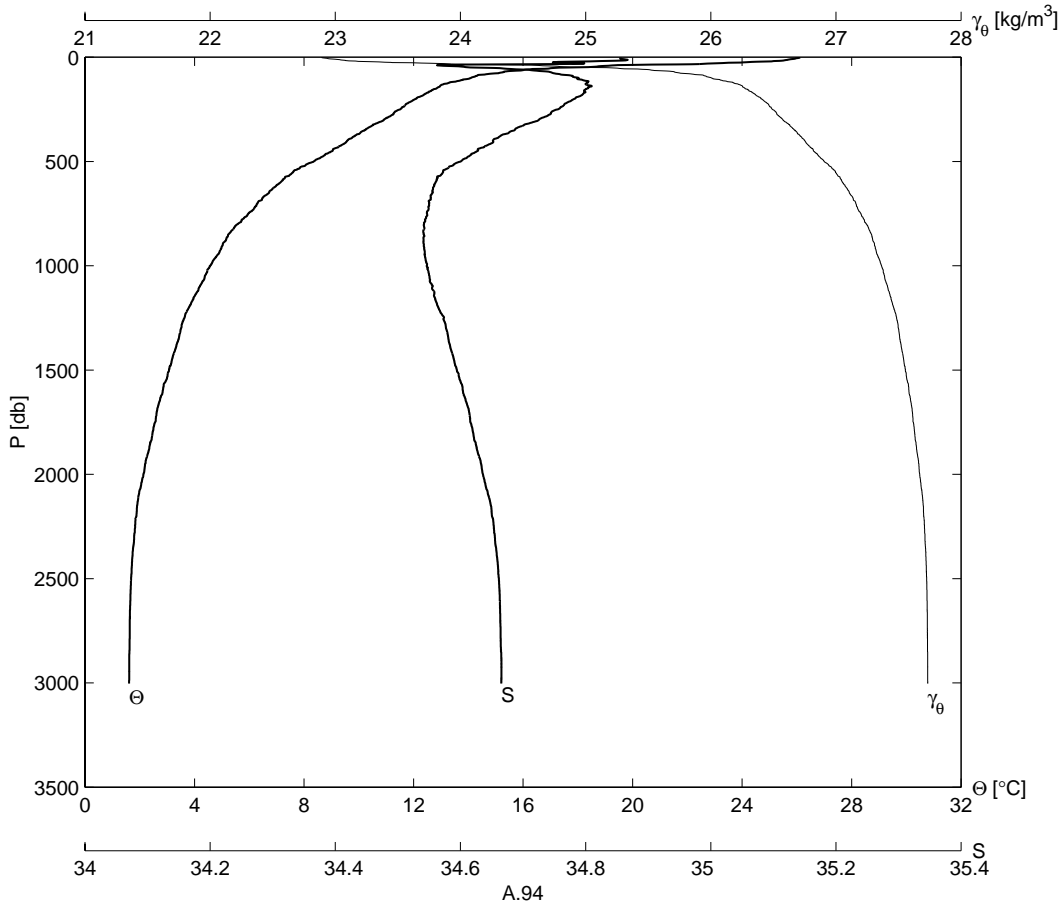
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J05	94	17 42.9	103 45.5	10	5	2001	719		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
4423.0	26.7	34.90	99.0	99.0	5.8	302	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.287	34.904	22.871	99.900	160.0	12.369	34.797	26.360	99.900
10.0	25.866	34.880	22.984	99.900	180.0	12.077	34.786	26.408	99.900
15.0	24.478	34.822	23.364	99.900	200.0	11.898	34.778	26.436	99.900
20.0	23.979	34.899	23.571	99.900	300.0	10.809	34.716	26.589	99.900
25.0	23.549	34.847	23.658	99.900	400.0	9.634	34.656	26.745	99.900
30.0	22.676	34.792	23.869	99.900	500.0	8.198	34.590	26.922	99.900
40.0	20.097	34.618	24.445	99.900	600.0	7.111	34.559	27.056	99.900
50.0	17.689	34.623	25.060	99.900	700.0	6.314	34.546	27.153	99.900
60.0	16.426	34.676	25.400	99.900	800.0	5.714	34.540	27.225	99.900
70.0	15.393	34.695	25.650	99.900	900.0	5.254	34.538	27.279	99.900
80.0	14.715	34.758	25.847	99.900	1000.0	4.779	34.542	27.338	99.900
90.0	14.010	34.778	26.013	99.900	1500.0	3.102	34.593	27.551	99.900
100.0	13.420	34.792	26.146	99.900	2000.0	2.144	34.636	27.669	99.900
120.0	12.989	34.811	26.249	99.900	2500.0	1.681	34.661	27.725	99.900
140.0	12.730	34.813	26.302	99.900	3000.0	1.617	34.665	27.733	99.900
3231.0	1.608	34.666	27.734	99.900					



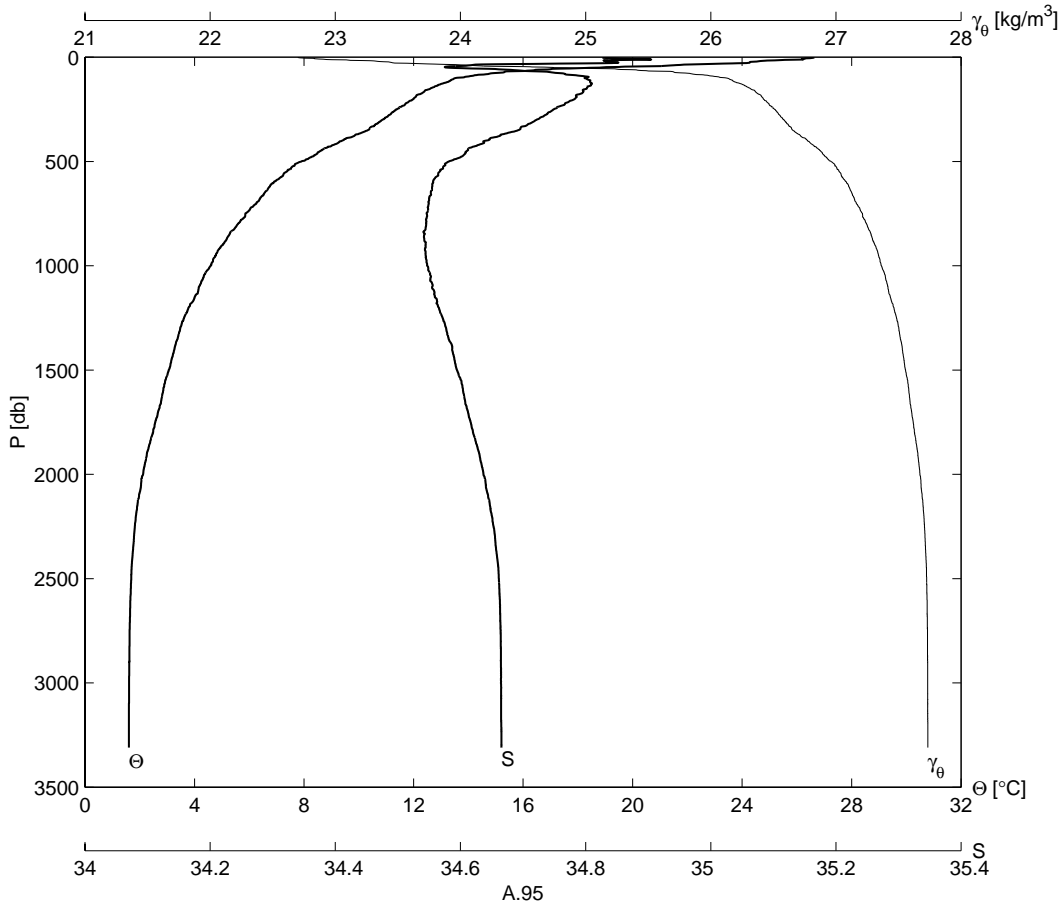
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J06	95	17 33.9	103 50.0	10	5	2001	1335		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
4800.0	26.5	34.85	99.0	28.0	7.5	48	9	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.082	34.847	22.892	99.900	160.0	12.473	34.803	26.345	99.900
5.0	25.786	34.882	23.011	99.900	180.0	12.213	34.790	26.385	99.900
10.0	25.673	34.910	23.067	99.900	200.0	12.002	34.782	26.419	99.900
15.0	25.434	34.867	23.108	99.900	300.0	10.967	34.727	26.569	99.900
20.0	23.951	34.879	23.564	99.900	400.0	9.740	34.662	26.732	99.900
25.0	23.159	34.815	23.747	99.900	500.0	8.525	34.603	26.883	99.900
30.0	22.286	34.744	23.943	99.900	600.0	7.238	34.564	27.042	99.900
40.0	19.772	34.541	24.472	99.900	700.0	6.416	34.551	27.144	99.900
50.0	18.501	34.577	24.824	99.900	800.0	5.712	34.544	27.228	99.900
60.0	16.517	34.681	25.383	99.900	900.0	5.136	34.540	27.295	99.900
70.0	14.874	34.753	25.809	99.900	1000.0	4.602	34.548	27.362	99.900
80.0	14.308	34.770	25.944	99.900	1500.0	3.020	34.597	27.561	99.900
90.0	13.967	34.794	26.035	99.900	2000.0	2.143	34.636	27.669	99.900
100.0	13.722	34.803	26.093	99.900	2500.0	1.700	34.660	27.723	99.900
120.0	13.086	34.811	26.229	99.900	3000.0	1.606	34.665	27.733	99.900
140.0	12.713	34.809	26.302	99.900	3004.0	1.606	34.665	27.733	99.900



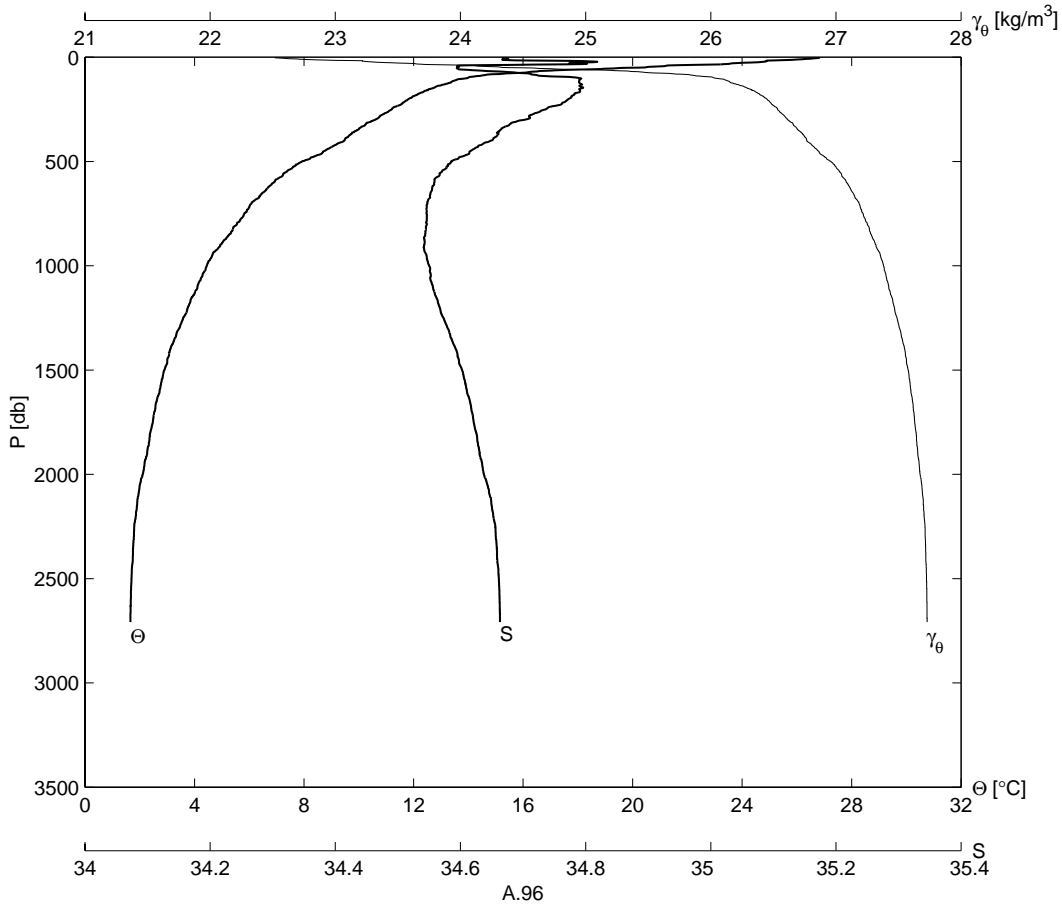
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J07	96	17 24.9	103 57.8	10	5	2001	1702		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3059.5	26.5	34.86	99.0	34.0	0.0	0	4	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.120	34.858	22.889	99.900	160.0	12.660	34.798	26.304	99.900
5.0	26.001	34.855	22.923	99.900	180.0	12.371	34.795	26.358	99.900
10.0	25.774	34.857	22.996	99.900	200.0	12.079	34.782	26.405	99.900
15.0	25.537	34.873	23.081	99.900	300.0	10.919	34.725	26.576	99.900
20.0	25.075	34.820	23.183	99.900	400.0	9.580	34.651	26.750	99.900
25.0	24.018	34.747	23.445	99.900	500.0	8.353	34.601	26.907	99.900
30.0	22.911	34.799	23.807	99.900	600.0	7.141	34.560	27.053	99.900
40.0	19.253	34.566	24.625	99.900	700.0	6.305	34.550	27.158	99.900
50.0	17.325	34.644	25.163	99.900	800.0	5.587	34.542	27.242	99.900
60.0	16.074	34.709	25.507	99.900	900.0	5.031	34.542	27.308	99.900
70.0	15.298	34.743	25.708	99.900	1000.0	4.577	34.545	27.363	99.900
80.0	14.757	34.760	25.840	99.900	1500.0	3.069	34.594	27.555	99.900
90.0	14.300	34.780	25.953	99.900	2000.0	2.136	34.636	27.669	99.900
100.0	14.086	34.790	26.007	99.900	2500.0	1.682	34.661	27.725	99.900
120.0	13.345	34.804	26.171	99.900	3000.0	1.609	34.665	27.733	99.900
140.0	12.964	34.810	26.253	99.900	3003.0	1.610	34.665	27.733	99.900



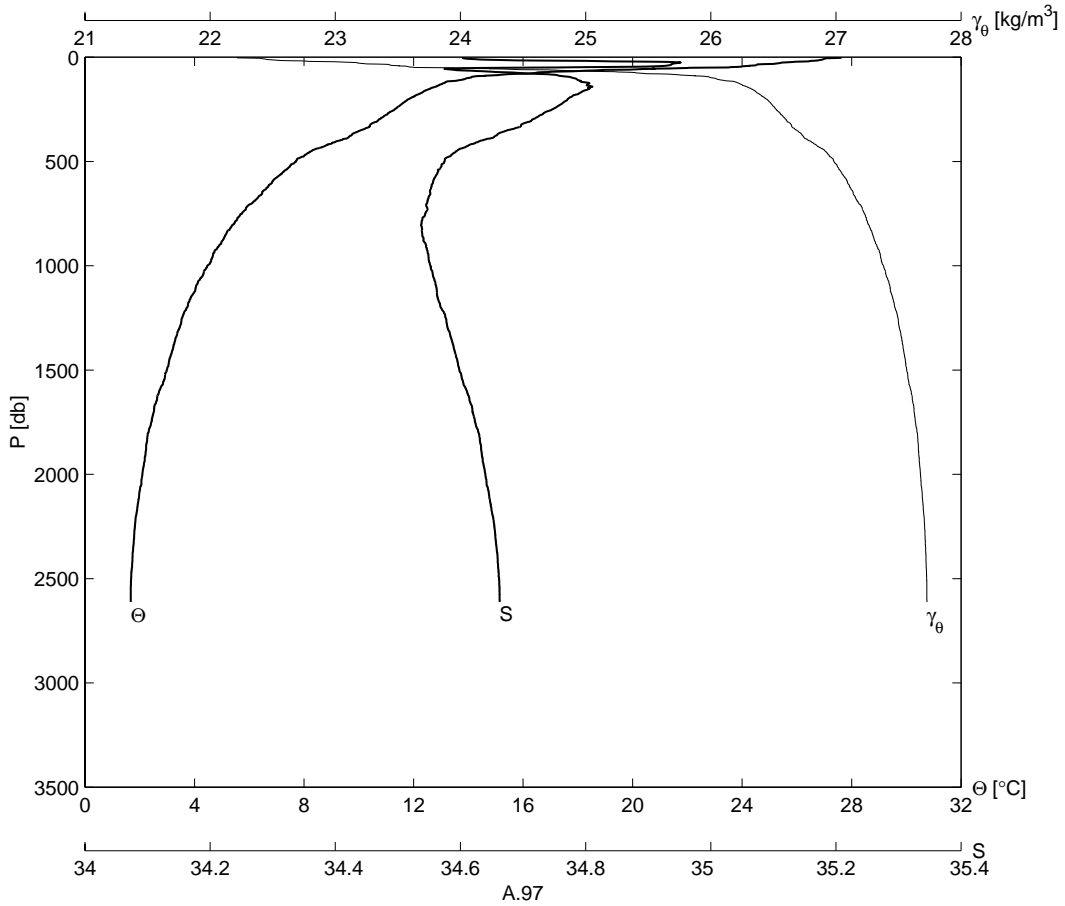
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J08	97	17 16.0	103 58.0	10	5	2001	2036		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
4011.0	27.4	34.81	99.0	33.0	0.0	0	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.640	34.824	22.700	99.900	160.0	12.418	34.796	26.350	99.900
5.0	26.479	34.833	22.757	99.900	180.0	12.157	34.786	26.393	99.900
10.0	26.212	34.916	22.904	99.900	200.0	12.004	34.783	26.420	99.900
15.0	25.193	34.784	23.119	99.900	300.0	10.863	34.722	26.584	99.900
20.0	24.576	34.828	23.340	99.900	400.0	9.392	34.641	26.773	99.900
25.0	24.278	34.852	23.447	99.900	500.0	7.899	34.582	26.961	99.900
30.0	23.634	34.819	23.612	99.900	600.0	6.893	34.557	27.084	99.900
40.0	21.388	34.610	24.091	99.900	700.0	6.268	34.550	27.162	99.900
50.0	18.795	34.566	24.742	99.900	800.0	5.590	34.545	27.245	99.900
60.0	16.558	34.667	25.363	99.900	900.0	5.032	34.544	27.311	99.900
70.0	15.329	34.741	25.700	99.900	1000.0	4.583	34.547	27.363	99.900
80.0	14.742	34.770	25.851	99.900	1500.0	3.058	34.595	27.556	99.900
90.0	14.125	34.789	25.998	99.900	2000.0	2.119	34.637	27.671	99.900
100.0	13.523	34.797	26.130	99.900	2500.0	1.688	34.661	27.724	99.900
120.0	13.220	34.806	26.198	99.900	3000.0	1.610	34.665	27.733	99.900
140.0	12.779	34.803	26.285	99.900	3310.0	1.602	34.665	27.734	99.900



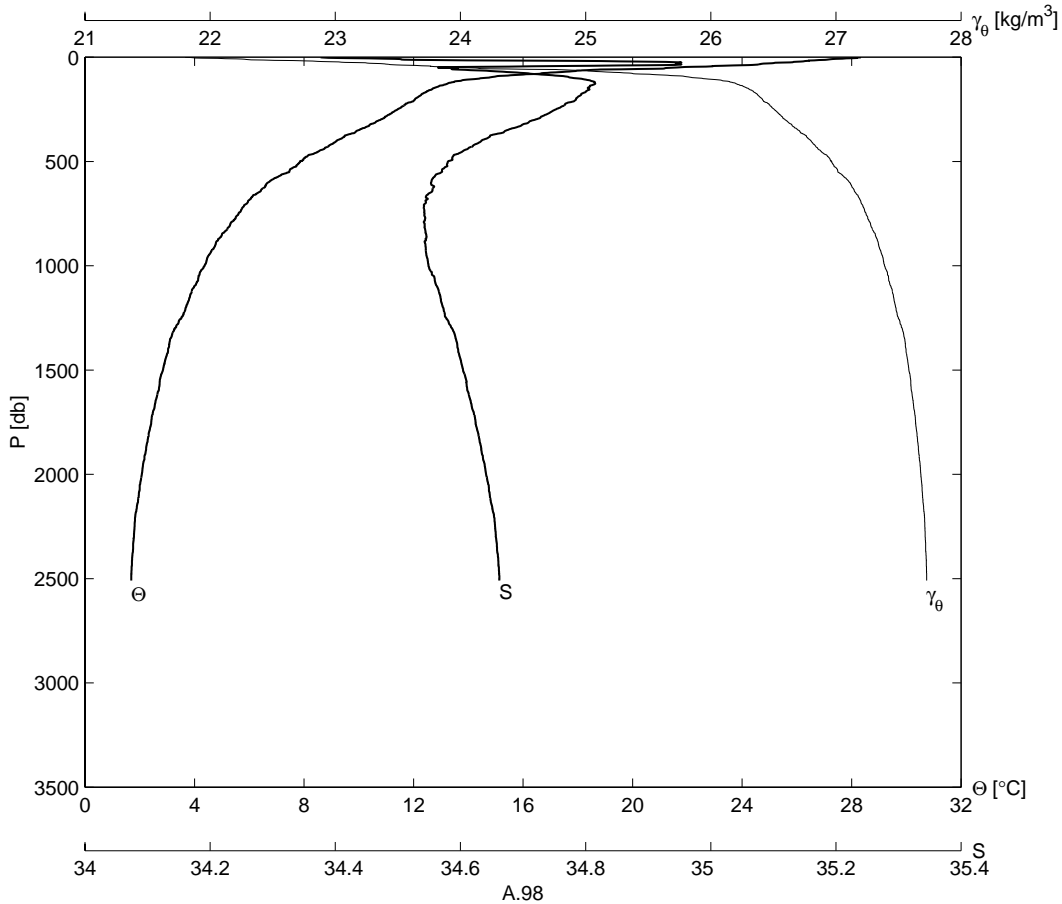
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J09	98	17 7.5	104 2.0	11	5	2001	1		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2835.0	27.3	34.66	99.0	27.0	1.8	344	9	1015.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.835	34.661	22.515	99.900	140.0	12.845	34.792	26.263	99.900
5.0	26.702	34.683	22.573	99.900	160.0	12.453	34.791	26.339	99.900
10.0	26.228	34.670	22.713	99.900	180.0	12.140	34.783	26.394	99.900
15.0	25.230	34.638	22.997	99.900	200.0	11.825	34.773	26.446	99.900
20.0	24.875	34.808	23.234	99.900	300.0	10.600	34.703	26.616	99.900
25.0	24.436	34.807	23.366	99.900	400.0	9.470	34.648	26.766	99.900
30.0	23.617	34.798	23.601	99.900	500.0	7.926	34.586	26.959	99.900
40.0	21.294	34.589	24.101	99.900	600.0	6.910	34.558	27.083	99.900
50.0	20.241	34.593	24.388	99.900	700.0	6.082	34.547	27.185	99.900
60.0	17.882	34.609	25.002	99.900	800.0	5.550	34.546	27.250	99.900
70.0	16.322	34.670	25.419	99.900	900.0	4.938	34.542	27.319	99.900
80.0	15.200	34.718	25.711	99.900	1000.0	4.448	34.550	27.380	99.900
90.0	14.420	34.722	25.884	99.900	1500.0	2.901	34.602	27.577	99.900
100.0	13.968	34.791	26.032	99.900	2000.0	2.107	34.638	27.673	99.900
120.0	13.374	34.789	26.154	99.900	2500.0	1.698	34.661	27.724	99.900
2708.0	1.656	34.663	27.728	99.900					



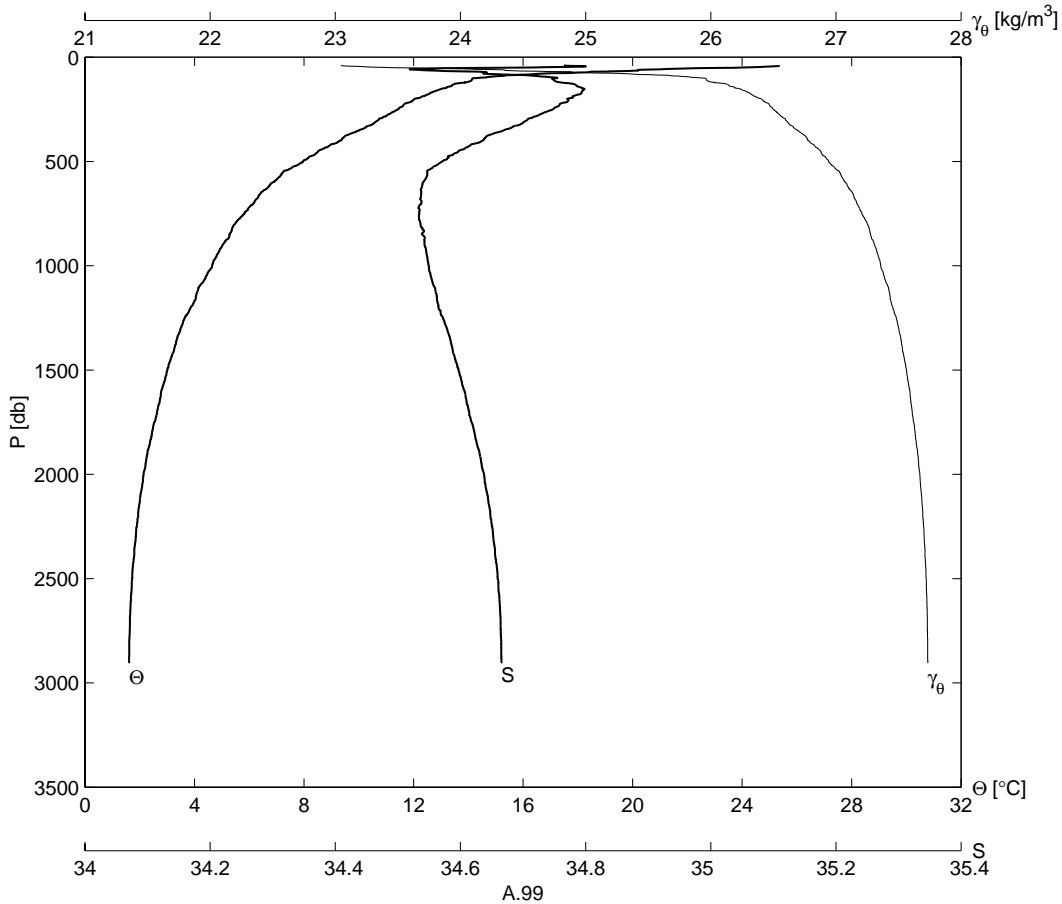
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J10	99	16 58.0	104 6.0	11	5	2001	249		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2716.3	28.2	34.60	99.0	27.7	3.0	170	9	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	27.157	34.602	22.368	99.900	160.0	12.437	34.798	26.348	99.900
10.0	26.968	34.622	22.444	99.900	180.0	12.132	34.784	26.396	99.900
15.0	26.783	34.678	22.544	99.900	200.0	11.843	34.771	26.441	99.900
20.0	26.419	34.851	22.790	99.900	300.0	10.726	34.714	26.602	99.900
25.0	25.584	34.959	23.132	99.900	400.0	9.300	34.634	26.783	99.900
30.0	25.294	34.940	23.206	99.900	500.0	7.703	34.575	26.984	99.900
40.0	24.452	34.932	23.455	99.900	600.0	6.835	34.556	27.092	99.900
50.0	22.654	34.675	23.786	99.900	700.0	6.100	34.547	27.182	99.900
60.0	19.894	34.591	24.477	99.900	800.0	5.437	34.537	27.256	99.900
70.0	17.070	34.651	25.230	99.900	900.0	4.907	34.545	27.325	99.900
80.0	15.721	34.718	25.594	99.900	1000.0	4.470	34.552	27.380	99.900
90.0	14.613	34.763	25.873	99.900	1500.0	2.986	34.598	27.566	99.900
100.0	13.973	34.782	26.024	99.900	2000.0	2.095	34.640	27.676	99.900
120.0	13.164	34.793	26.200	99.900	2500.0	1.682	34.662	27.725	99.900
140.0	12.846	34.810	26.276	99.900	2612.0	1.671	34.662	27.727	99.900



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
J11	100	16 49.1	104 10.0	11	5	2001	536		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2547.8	28.7	34.36	99.0	99.0	4.2	123	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	28.252	34.376	21.843	99.900	140.0	12.917	34.807	26.260	99.900
5.0	28.044	34.407	21.934	99.900	160.0	12.551	34.803	26.329	99.900
10.0	27.246	34.512	22.272	99.900	180.0	12.278	34.793	26.375	99.900
15.0	26.640	34.576	22.513	99.900	200.0	12.060	34.785	26.411	99.900
20.0	26.236	34.866	22.859	99.900	300.0	10.793	34.719	26.594	99.900
25.0	25.758	34.959	23.078	99.900	400.0	9.194	34.633	26.800	99.900
30.0	24.948	34.942	23.313	99.900	500.0	7.852	34.580	26.966	99.900
40.0	23.668	34.876	23.645	99.900	600.0	6.698	34.553	27.108	99.900
50.0	21.504	34.542	24.008	99.900	700.0	5.923	34.544	27.202	99.900
60.0	18.730	34.600	24.784	99.900	800.0	5.308	34.543	27.277	99.900
70.0	17.568	34.667	25.123	99.900	900.0	4.762	34.544	27.341	99.900
80.0	16.555	34.711	25.397	99.900	1000.0	4.368	34.549	27.388	99.900
90.0	15.135	34.761	25.758	99.900	1500.0	2.845	34.604	27.583	99.900
100.0	14.509	34.782	25.910	99.900	2000.0	2.075	34.641	27.678	99.900
120.0	13.437	34.814	26.160	99.900	2500.0	1.689	34.662	27.725	99.900
2509.0	1.688	34.662	27.725	99.900					

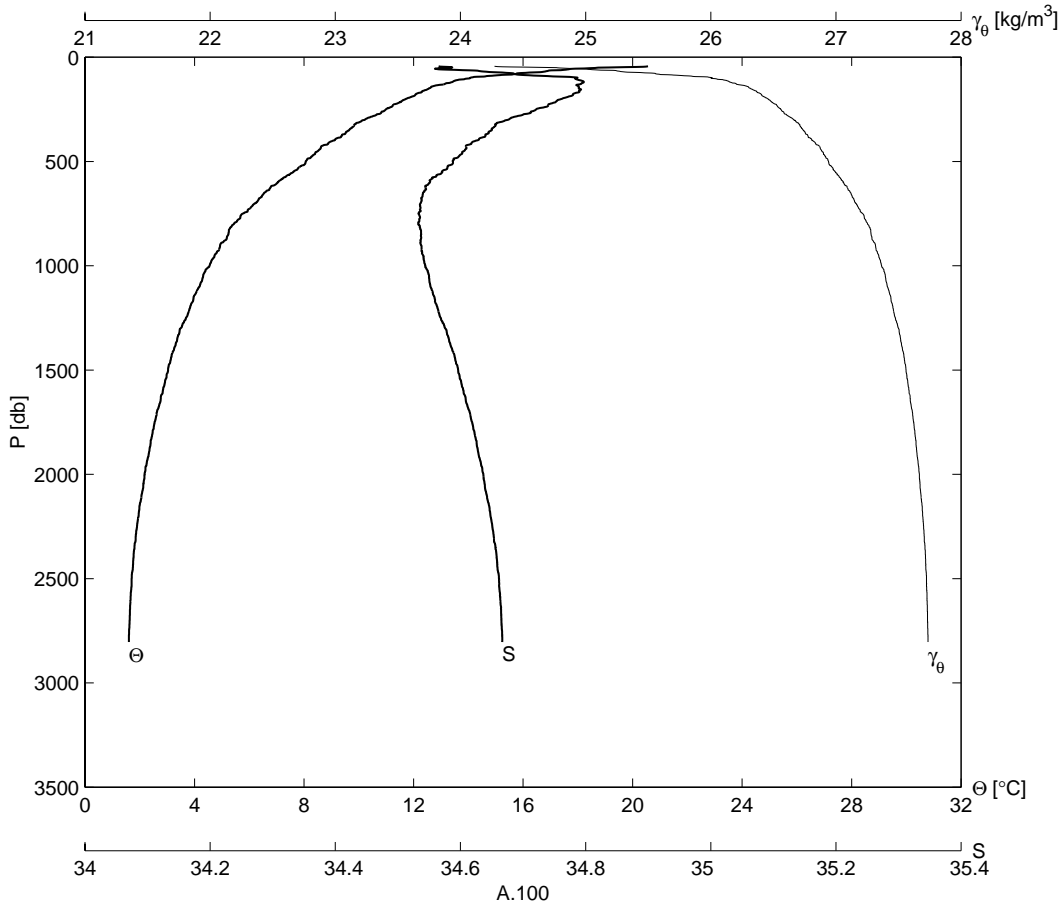


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
K01	101	17 31.1	105 0.6	11	5	2001	1713		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2951.0	27.9	34.20	99.0	32.0	0.0	0	5	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
40.0	25.345	34.746	23.044	99.900	300.0	10.728	34.707	26.596	99.900
50.0	23.896	34.673	23.425	99.900	400.0	9.320	34.633	26.779	99.900
60.0	20.435	34.528	24.286	99.900	500.0	7.966	34.571	26.942	99.900
70.0	18.480	34.649	24.884	99.900	600.0	6.861	34.540	27.076	99.900
80.0	16.517	34.641	25.352	99.900	700.0	6.152	34.536	27.167	99.900
90.0	15.264	34.717	25.695	99.900	800.0	5.478	34.536	27.251	99.900
100.0	14.293	34.767	25.945	99.900	900.0	5.025	34.543	27.310	99.900
120.0	13.958	34.754	26.006	99.900	1000.0	4.645	34.549	27.358	99.900
140.0	13.343	34.786	26.158	99.900	1500.0	3.009	34.597	27.563	99.900
160.0	12.840	34.794	26.265	99.900	2000.0	2.139	34.638	27.670	99.900
180.0	12.485	34.786	26.329	99.900	2500.0	1.722	34.659	27.720	99.900
200.0	12.040	34.770	26.403	99.900	2905.0	1.607	34.665	27.734	99.900

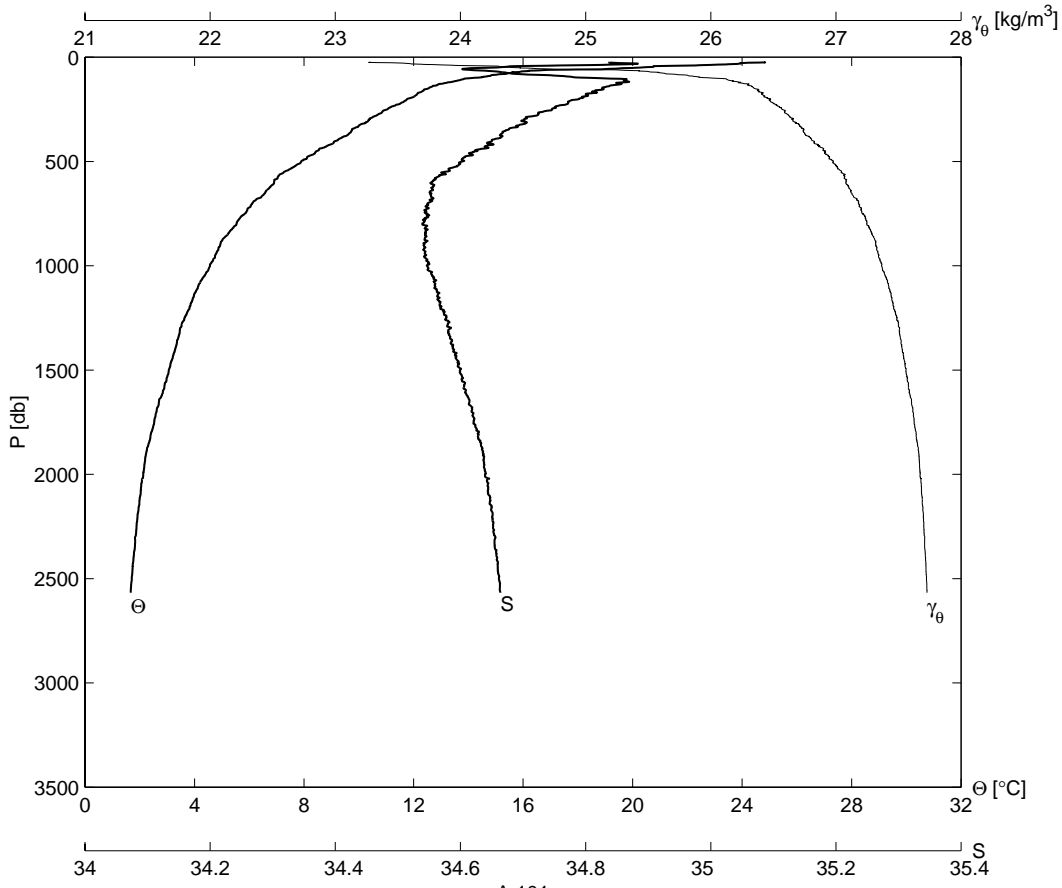


A.99

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C20	102	17 56.4	105 32.5	12	5	2001	47		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2956.0	28.5	34.29	99.0	28.5	10.2	150	4	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
50.0	18.746	34.583	24.767	99.900	300.0	10.218	34.678	26.663	99.900
60.0	17.570	34.574	25.051	99.900	400.0	9.075	34.624	26.811	99.900
70.0	16.767	34.639	25.292	99.900	500.0	8.064	34.588	26.941	99.900
80.0	15.745	34.685	25.563	99.900	600.0	7.049	34.550	27.057	99.900
90.0	14.743	34.735	25.824	99.900	700.0	6.226	34.538	27.158	99.900
100.0	14.066	34.793	26.013	99.900	800.0	5.439	34.533	27.253	99.900
120.0	13.403	34.797	26.154	99.900	900.0	4.934	34.537	27.316	99.900
140.0	12.694	34.788	26.290	99.900	1000.0	4.548	34.544	27.365	99.900
160.0	12.385	34.789	26.351	99.900	1500.0	3.034	34.596	27.560	99.900
180.0	12.062	34.780	26.407	99.900	2000.0	2.175	34.636	27.666	99.900
200.0	11.722	34.762	26.457	99.900	2500.0	1.703	34.662	27.724	99.900
2804.0	1.603	34.667	27.735	99.900					

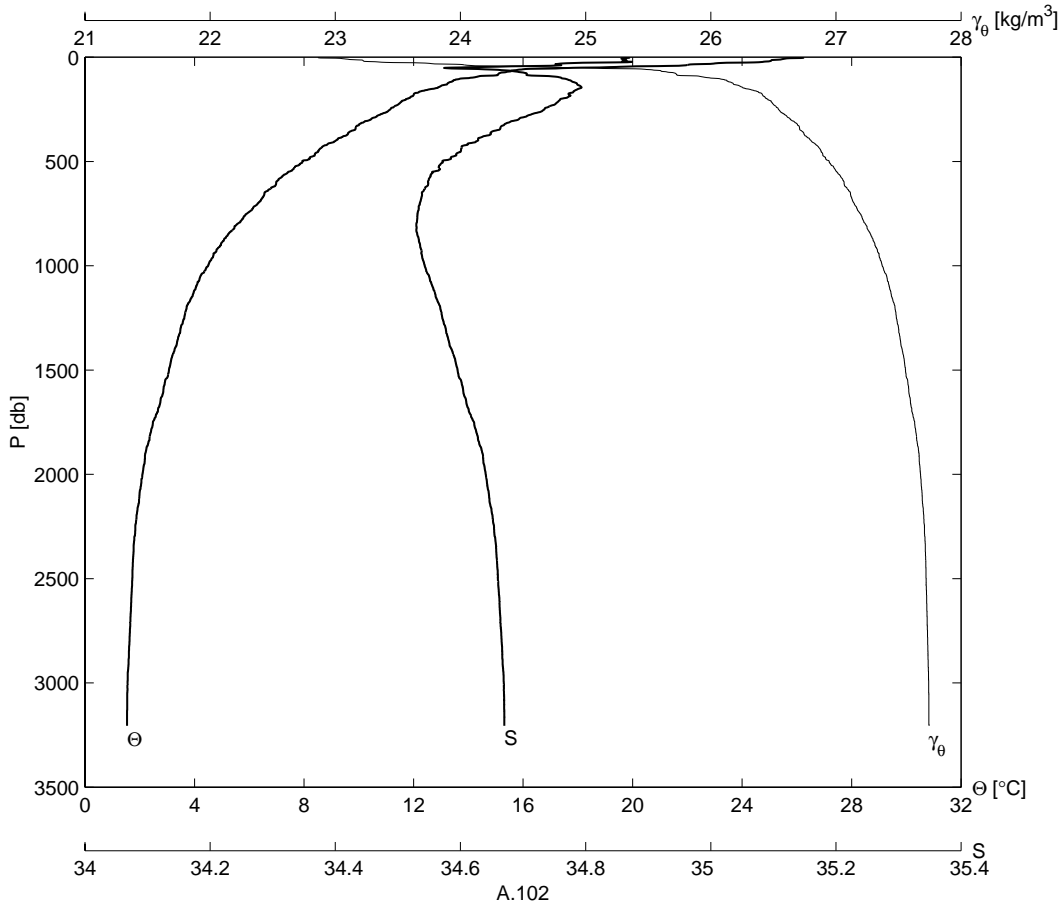


ESTACION	LANCE	LATITUD		LONGITUD		DD	MM	AA	H[GMT]
C19	103	18	5.5	105	28.0	12	5	2001	341
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2584.0	27.4	34.55	99.0	26.3	6.4	27	9	1017.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
25.0	24.847	34.841	23.267	99.900	180.0	12.117	34.803	26.414	99.900
30.0	23.953	34.888	23.570	99.900	200.0	11.777	34.785	26.464	99.900
40.0	22.331	34.783	23.960	99.900	300.0	10.356	34.705	26.660	99.900
50.0	20.249	34.663	24.439	99.900	500.0	7.894	34.600	26.976	99.900
60.0	17.641	34.609	25.060	99.900	600.0	6.907	34.553	27.079	99.900
70.0	15.904	34.659	25.507	99.900	700.0	6.117	34.546	27.179	99.900
80.0	15.376	34.685	25.646	99.900	800.0	5.533	34.541	27.248	99.900
90.0	14.803	34.757	25.828	99.900	900.0	4.939	34.540	27.318	99.900
100.0	14.093	34.800	26.013	99.900	1000.0	4.564	34.547	27.365	99.900
120.0	13.351	34.873	26.223	99.900	1500.0	3.062	34.599	27.559	99.900
140.0	12.687	34.838	26.329	99.900	2000.0	2.128	34.640	27.673	99.900
160.0	12.365	34.812	26.373	99.900	2500.0	1.710	34.661	27.723	99.900
2567.0	1.672	34.664	27.728	99.900					

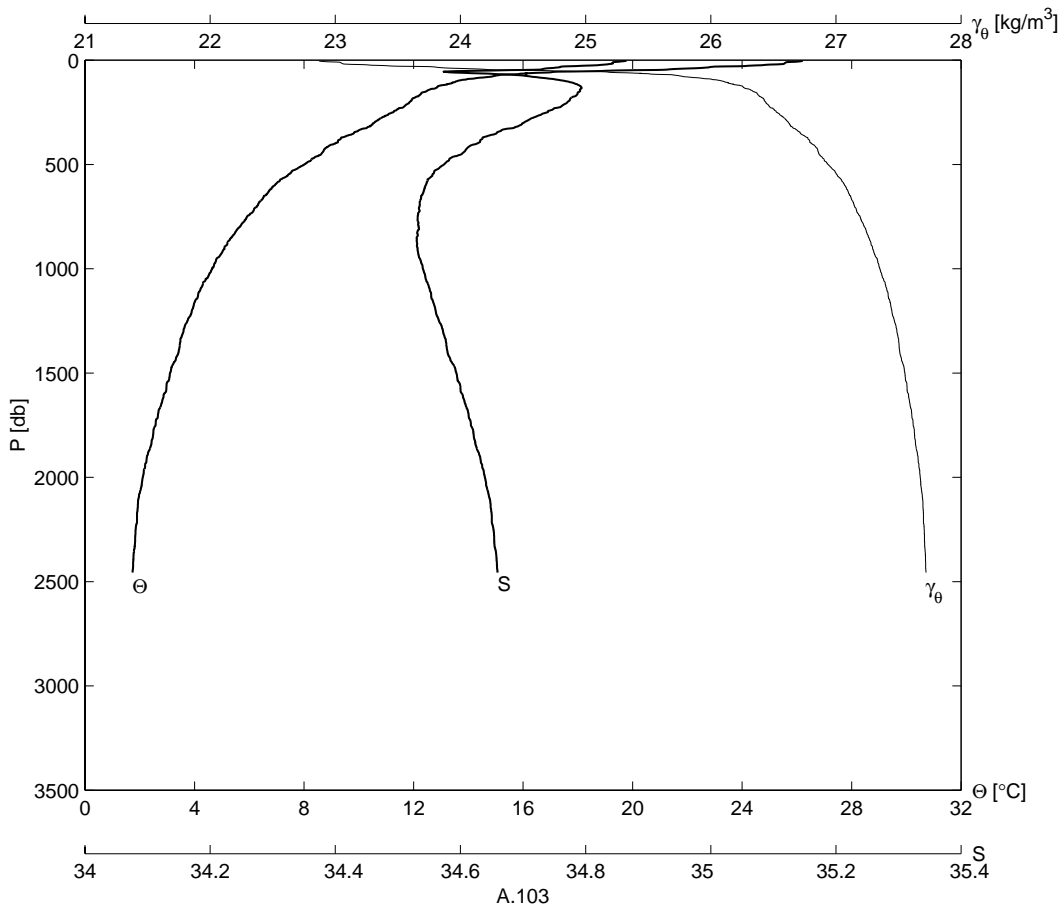


A.101

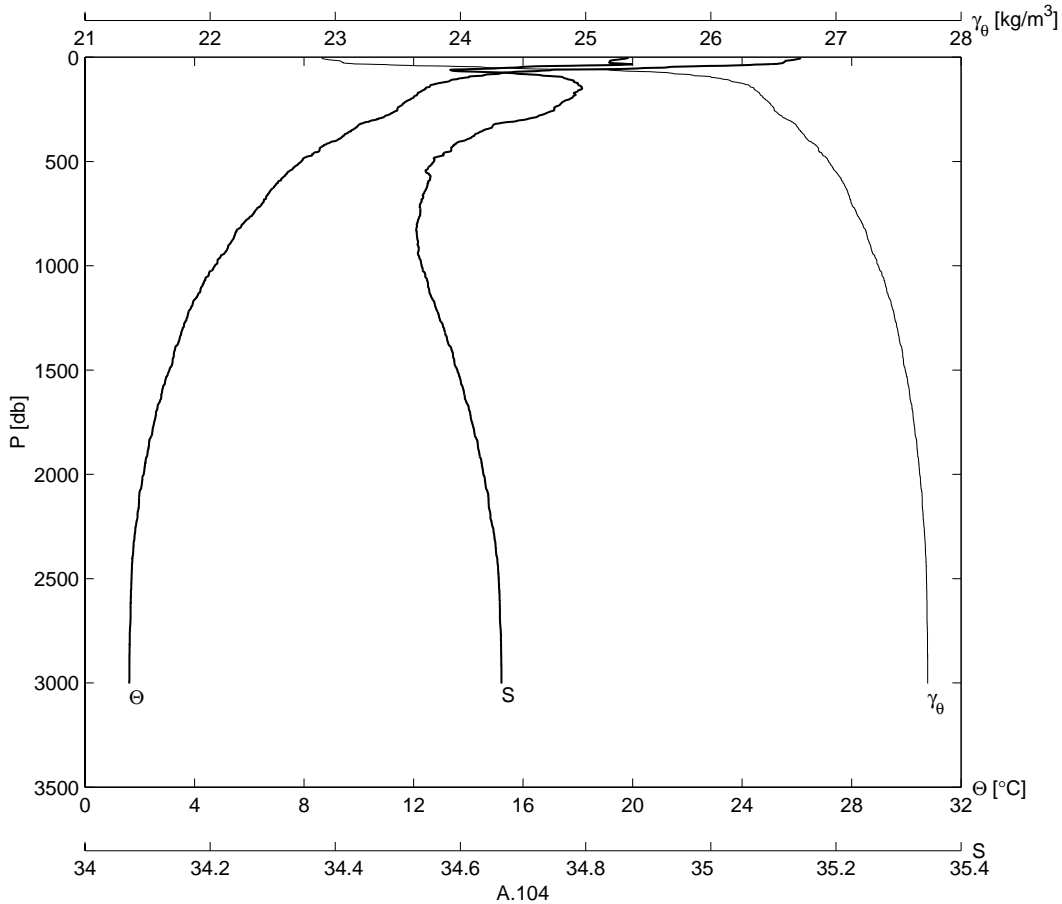
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C18	104	18 14.1	105 24.0	12	5	2001	627		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3331.0	26.7	34.87	99.0	25.4	7.4	50	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.256	34.878	22.861	99.900	160.0	12.398	34.783	26.344	99.900
5.0	25.744	34.855	23.003	99.900	180.0	12.007	34.773	26.412	99.900
10.0	25.455	34.863	23.099	99.900	200.0	11.755	34.760	26.449	99.900
15.0	25.064	34.867	23.221	99.900	300.0	10.422	34.693	26.639	99.900
20.0	24.975	34.847	23.233	99.900	400.0	9.161	34.628	26.801	99.900
25.0	24.446	34.865	23.406	99.900	500.0	7.940	34.572	26.946	99.900
30.0	23.003	34.768	23.756	99.900	600.0	6.984	34.548	27.065	99.900
40.0	21.859	34.765	24.078	99.900	700.0	6.315	34.535	27.145	99.900
50.0	18.140	34.552	24.894	99.900	800.0	5.562	34.529	27.235	99.900
60.0	15.852	34.656	25.517	99.900	900.0	4.959	34.536	27.312	99.900
70.0	15.429	34.693	25.640	99.900	1000.0	4.497	34.543	27.369	99.900
80.0	15.108	34.706	25.722	99.900	1500.0	3.067	34.596	27.556	99.900
90.0	14.476	34.743	25.887	99.900	2000.0	2.097	34.641	27.676	99.900
100.0	14.019	34.763	26.000	99.900	2500.0	1.729	34.660	27.720	99.900
120.0	13.318	34.781	26.159	99.900	3000.0	1.554	34.669	27.741	99.900
140.0	12.972	34.793	26.238	99.900	3205.0	1.535	34.670	27.743	99.900



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C17	105	18 22.9	105 20.1	12	5	2001	1030		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2552.8	26.6	34.86	99.0	25.5	8.1	60	9	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.192	34.865	22.872	99.900	140.0	12.601	34.791	26.311	99.900
5.0	26.159	34.862	22.879	99.900	160.0	12.279	34.787	26.370	99.900
10.0	25.623	34.844	23.033	99.900	180.0	12.034	34.778	26.410	99.900
15.0	25.554	34.844	23.054	99.900	200.0	11.868	34.771	26.437	99.900
20.0	25.278	34.830	23.128	99.900	300.0	10.559	34.701	26.622	99.900
25.0	24.515	34.808	23.342	99.900	400.0	9.140	34.627	26.803	99.900
30.0	23.372	34.749	23.636	99.900	500.0	8.009	34.573	26.937	99.900
40.0	22.061	34.735	23.999	99.900	600.0	6.931	34.544	27.069	99.900
50.0	19.200	34.633	24.690	99.900	700.0	6.281	34.535	27.149	99.900
60.0	16.706	34.589	25.268	99.900	800.0	5.638	34.533	27.229	99.900
70.0	15.191	34.689	25.690	99.900	900.0	5.093	34.531	27.293	99.900
80.0	14.752	34.716	25.807	99.900	1000.0	4.644	34.540	27.351	99.900
90.0	14.001	34.749	25.993	99.900	1500.0	3.107	34.594	27.551	99.900
100.0	13.596	34.767	26.091	99.900	2000.0	2.110	34.639	27.674	99.900
120.0	13.064	34.788	26.215	99.900	2456.0	1.737	34.659	27.719	99.900

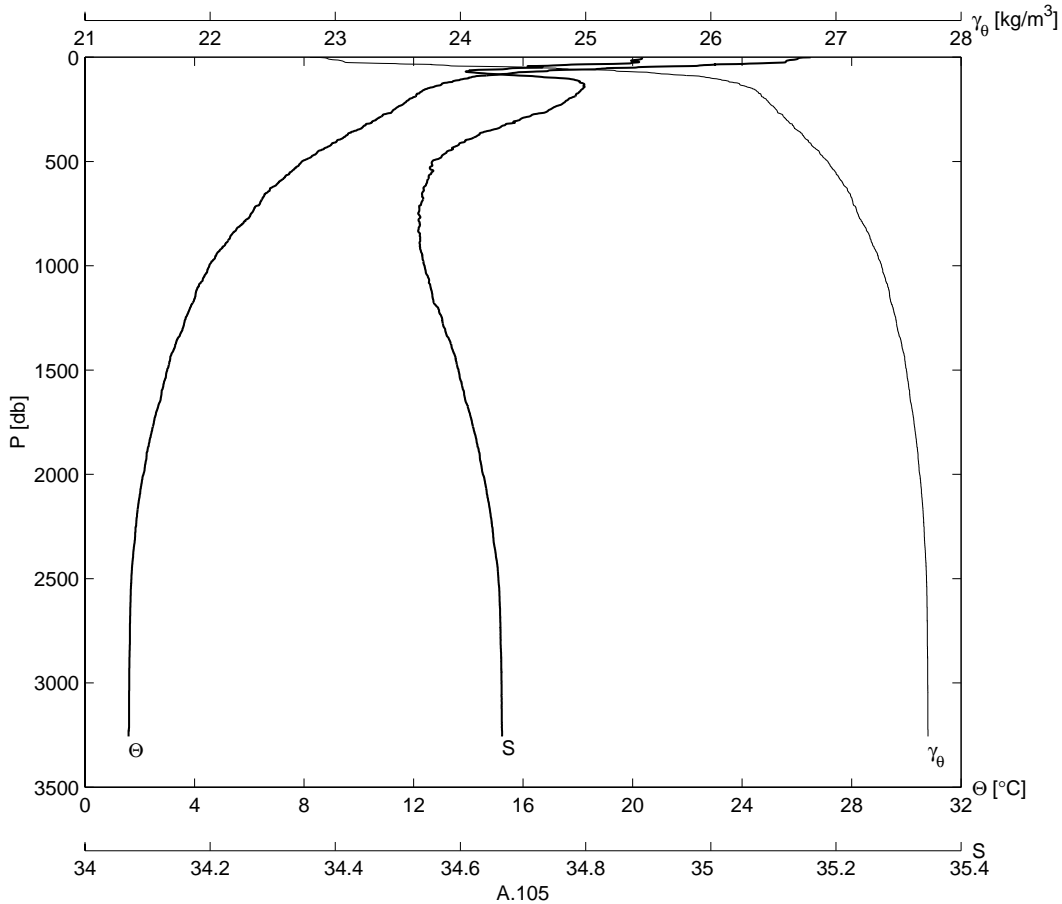


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C16	106	18 32.4	105 16.0	12	5	2001	1331		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3107.9	26.5	34.86	99.0	25.0	3.9	234	4	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.129	34.868	22.893	99.900	160.0	12.329	34.788	26.361	99.900
5.0	26.127	34.868	22.894	99.900	180.0	12.134	34.784	26.396	99.900
10.0	26.006	34.855	22.922	99.900	200.0	11.905	34.775	26.433	99.900
15.0	25.743	34.841	22.993	99.900	300.0	10.615	34.703	26.613	99.900
20.0	25.570	34.840	23.046	99.900	400.0	9.182	34.607	26.781	99.900
25.0	25.520	34.837	23.060	99.900	500.0	7.902	34.558	26.941	99.900
30.0	25.399	34.851	23.107	99.900	600.0	7.050	34.548	27.056	99.900
40.0	23.693	34.813	23.590	99.900	700.0	6.479	34.536	27.124	99.900
50.0	21.177	34.692	24.212	99.900	800.0	5.747	34.530	27.213	99.900
60.0	17.158	34.569	25.145	99.900	900.0	5.253	34.532	27.274	99.900
70.0	15.764	34.628	25.515	99.900	1000.0	4.742	34.538	27.339	99.900
80.0	15.091	34.688	25.712	99.900	1500.0	3.085	34.595	27.554	99.900
90.0	14.368	34.736	25.906	99.900	2000.0	2.145	34.637	27.669	99.900
100.0	13.776	34.763	26.051	99.900	2500.0	1.700	34.661	27.723	99.900
120.0	13.133	34.782	26.197	99.900	3000.0	1.618	34.666	27.733	99.900
140.0	12.602	34.793	26.311	99.900	3003.0	1.618	34.666	27.733	99.900



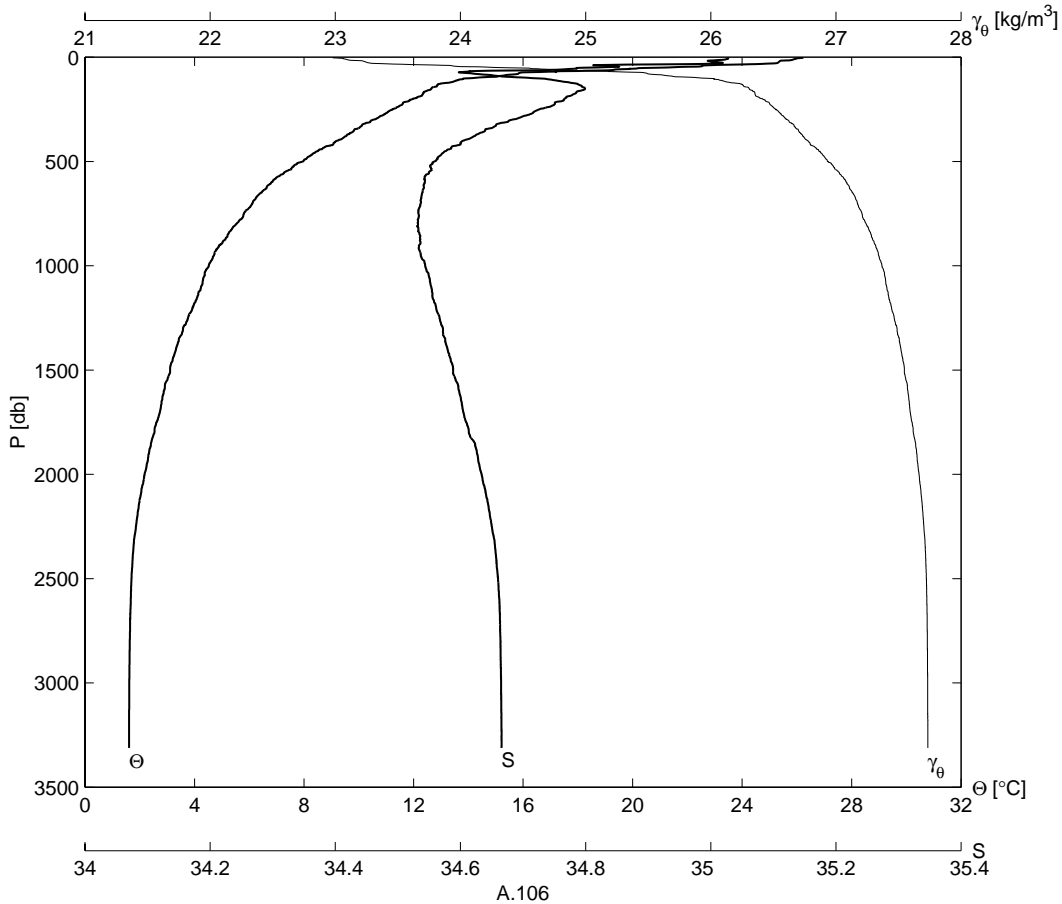
A.104

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C15	107	18 39.2	105 13.3	12	5	2001	1658		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
3362.6	26.7	34.89	99.0	30.5	0.0	0	4	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.229	34.889	22.878	99.900	160.0	12.334	34.792	26.363	99.900
5.0	26.068	34.890	22.929	99.900	180.0	12.109	34.784	26.401	99.900
10.0	25.997	34.888	22.950	99.900	200.0	11.853	34.773	26.440	99.900
15.0	25.689	34.874	23.035	99.900	300.0	10.626	34.695	26.605	99.900
20.0	25.605	34.877	23.063	99.900	400.0	9.202	34.608	26.778	99.900
25.0	25.569	34.887	23.082	99.900	500.0	7.929	34.555	26.935	99.900
30.0	24.564	34.876	23.379	99.900	600.0	7.085	34.547	27.050	99.900
40.0	22.453	34.749	23.900	99.900	700.0	6.396	34.537	27.136	99.900
50.0	20.087	34.737	24.538	99.900	800.0	5.729	34.535	27.220	99.900
60.0	17.896	34.656	25.034	99.900	900.0	5.117	34.535	27.293	99.900
70.0	16.377	34.612	25.362	99.900	1000.0	4.542	34.543	27.364	99.900
80.0	15.418	34.640	25.602	99.900	1500.0	3.002	34.597	27.563	99.900
90.0	14.389	34.711	25.881	99.900	2000.0	2.135	34.636	27.669	99.900
100.0	14.013	34.761	26.000	99.900	2500.0	1.694	34.661	27.724	99.900
120.0	13.306	34.788	26.166	99.900	3000.0	1.615	34.666	27.733	99.900
140.0	12.773	34.798	26.282	99.900	3256.0	1.594	34.666	27.735	99.900



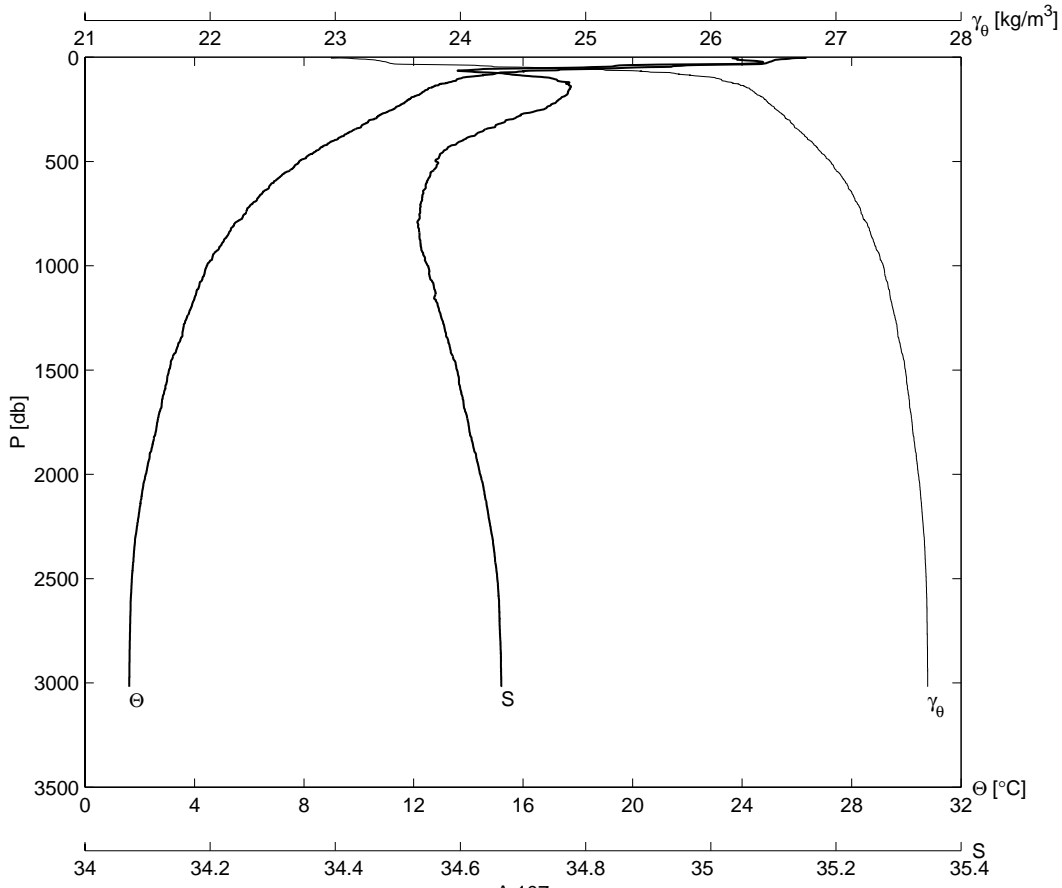
A.105

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C14	108	18 44.0	105 10.6	12	5	2001	2006		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
4101.4	26.6	35.02	99.0	99.0	5.7	153	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.060	35.026	23.035	99.900	160.0	12.499	34.793	26.332	99.900
10.0	25.898	35.025	23.084	99.900	180.0	12.320	34.779	26.356	99.900
15.0	25.728	35.011	23.126	99.900	200.0	11.975	34.768	26.414	99.900
20.0	25.372	34.999	23.227	99.900	300.0	10.522	34.681	26.612	99.900
25.0	25.324	35.014	23.253	99.900	400.0	9.233	34.604	26.771	99.900
30.0	25.145	35.008	23.303	99.900	500.0	7.955	34.557	26.933	99.900
40.0	22.578	34.819	23.917	99.900	600.0	6.813	34.543	27.085	99.900
50.0	21.066	34.805	24.327	99.900	700.0	6.120	34.537	27.171	99.900
60.0	19.340	34.766	24.755	99.900	800.0	5.524	34.532	27.242	99.900
70.0	16.931	34.608	25.230	99.900	900.0	4.921	34.535	27.315	99.900
80.0	15.818	34.625	25.500	99.900	1000.0	4.519	34.544	27.368	99.900
90.0	15.182	34.658	25.668	99.900	1500.0	3.106	34.588	27.547	99.900
100.0	14.154	34.711	25.931	99.900	2000.0	2.176	34.634	27.664	99.900
120.0	13.386	34.771	26.138	99.900	2500.0	1.698	34.660	27.723	99.900
140.0	12.855	34.795	26.263	99.900	3000.0	1.618	34.665	27.733	99.900
3311.0	1.608	34.665	27.734	99.900					



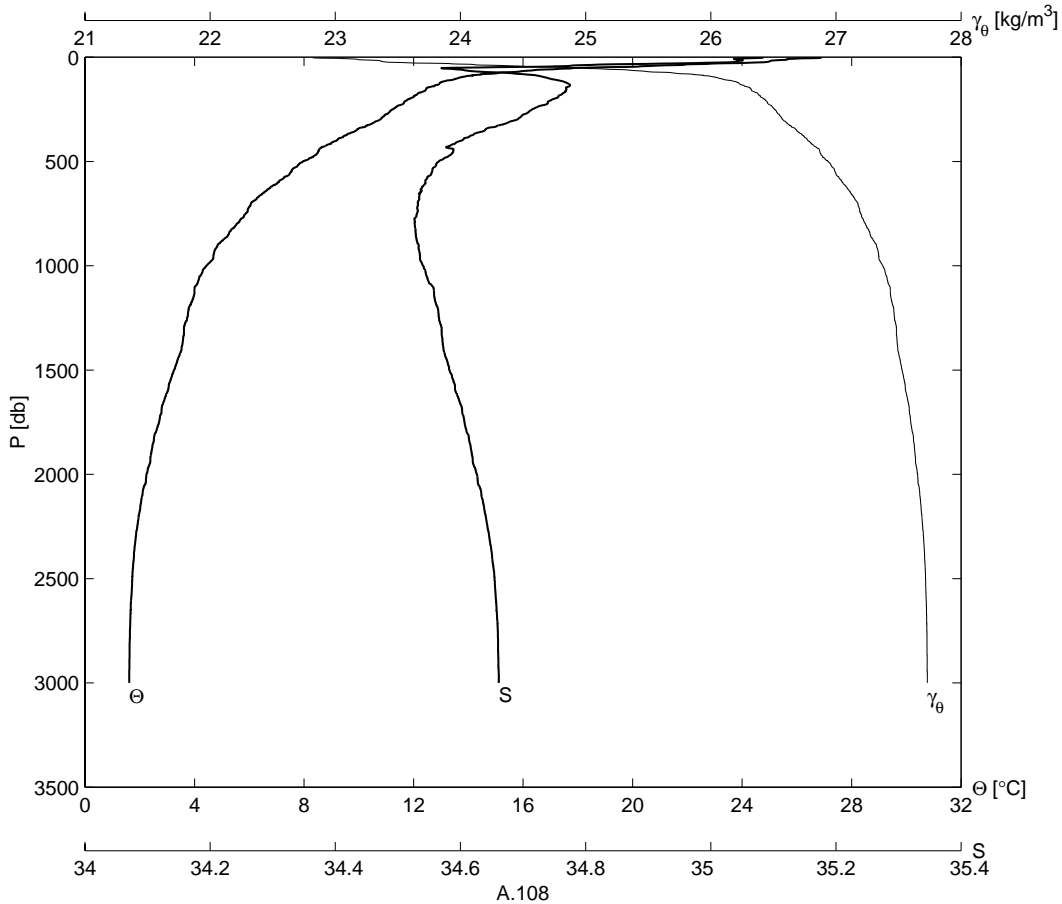
A.106

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C13	109	18 46.1	105 8.0	12	5	2001	2222		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
4553.0	26.7	35.05	99.0	32.5	7.6	5	9	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.131	35.046	23.027	99.900	160.0	12.416	34.773	26.333	99.900
5.0	25.872	35.030	23.096	99.900	180.0	12.211	34.770	26.370	99.900
10.0	25.426	35.042	23.243	99.900	200.0	11.860	34.758	26.427	99.900
15.0	25.167	35.053	23.331	99.900	300.0	10.434	34.675	26.623	99.900
20.0	25.082	35.077	23.375	99.900	400.0	9.094	34.604	26.793	99.900
25.0	24.964	35.086	23.417	99.900	500.0	7.824	34.560	26.954	99.900
30.0	24.845	35.072	23.443	99.900	600.0	6.894	34.547	27.076	99.900
40.0	21.919	34.856	24.131	99.900	700.0	6.125	34.537	27.171	99.900
50.0	19.924	34.796	24.626	99.900	800.0	5.446	34.532	27.252	99.900
60.0	17.343	34.624	25.143	99.900	900.0	4.983	34.536	27.309	99.900
70.0	15.810	34.621	25.500	99.900	1000.0	4.449	34.548	27.379	99.900
80.0	14.942	34.672	25.732	99.900	1500.0	3.069	34.595	27.555	99.900
90.0	14.374	34.705	25.880	99.900	2000.0	2.218	34.631	27.659	99.900
100.0	13.762	34.744	26.039	99.900	2500.0	1.712	34.659	27.721	99.900
120.0	13.308	34.775	26.156	99.900	3000.0	1.617	34.665	27.733	99.900
140.0	12.739	34.776	26.271	99.900	3018.0	1.615	34.665	27.733	99.900



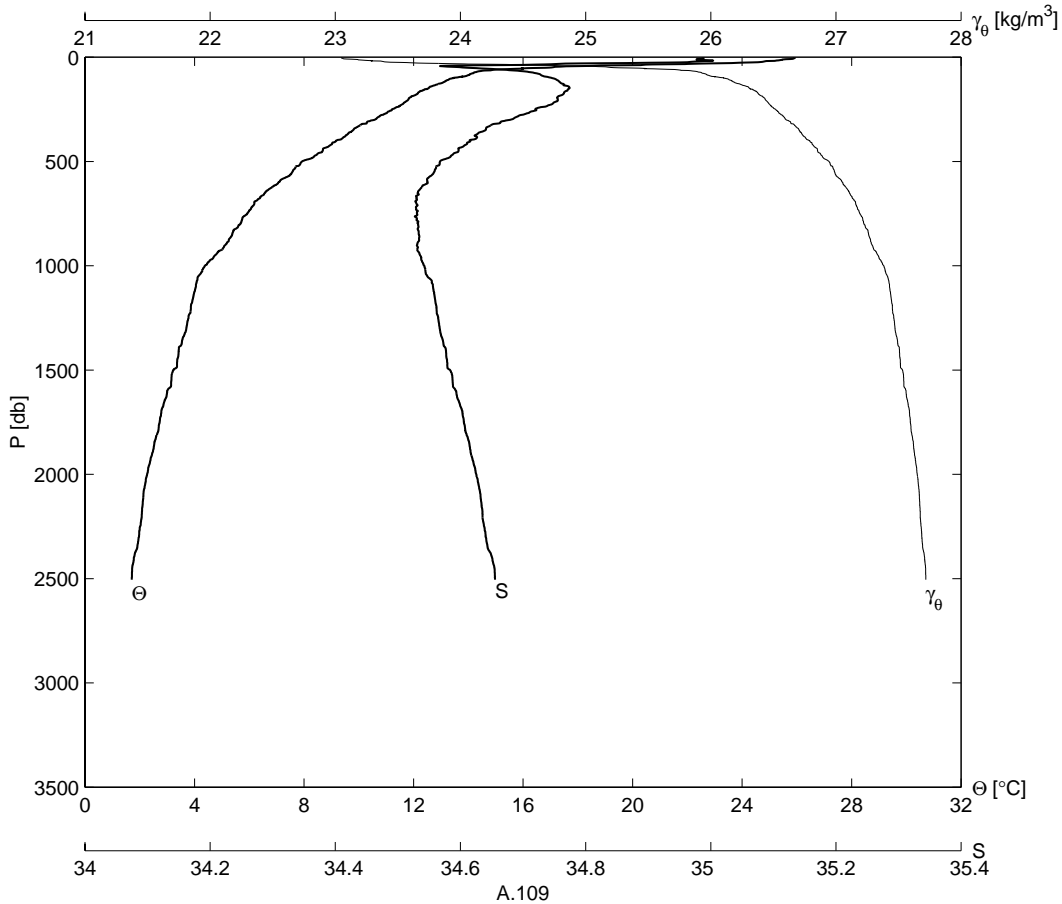
A.107

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C12	110	18 50.2	105 5.5	13	5	2001	44		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
4071.1	27.3	35.09	99.0	26.5	6.7	156	4	1017.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.895	35.089	22.819	99.900	160.0	12.424	34.768	26.328	99.900
5.0	26.608	35.061	22.888	99.900	180.0	12.122	34.761	26.381	99.900
10.0	25.640	35.038	23.174	99.900	200.0	11.832	34.749	26.426	99.900
15.0	25.188	35.057	23.326	99.900	300.0	10.764	34.690	26.576	99.900
20.0	25.009	35.040	23.369	99.900	400.0	9.182	34.602	26.777	99.900
25.0	24.615	35.028	23.479	99.900	500.0	7.966	34.565	26.938	99.900
30.0	23.088	34.947	23.868	99.900	600.0	7.075	34.544	27.049	99.900
40.0	21.029	34.772	24.313	99.900	700.0	6.065	34.532	27.174	99.900
50.0	18.380	34.603	24.874	99.900	800.0	5.533	34.527	27.237	99.900
60.0	16.618	34.610	25.305	99.900	900.0	4.851	34.533	27.322	99.900
70.0	15.839	34.626	25.497	99.900	1000.0	4.434	34.540	27.374	99.900
80.0	14.646	34.695	25.814	99.900	1500.0	3.248	34.582	27.529	99.900
90.0	13.973	34.727	25.982	99.900	2000.0	2.242	34.626	27.653	99.900
100.0	13.643	34.739	26.060	99.900	2500.0	1.725	34.654	27.716	99.900
120.0	13.017	34.766	26.208	99.900	3000.0	1.615	34.661	27.730	99.900
140.0	12.687	34.773	26.279	99.900	3000.0	1.615	34.661	27.730	99.900

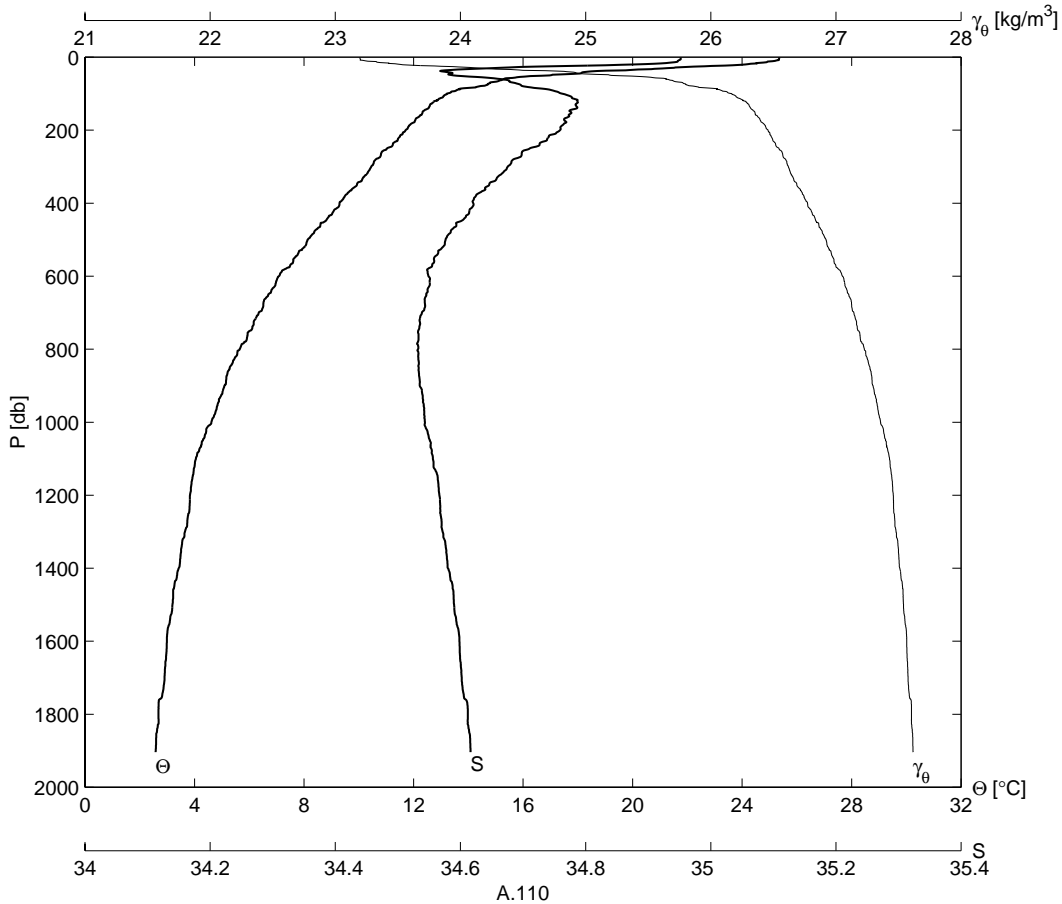


A.108

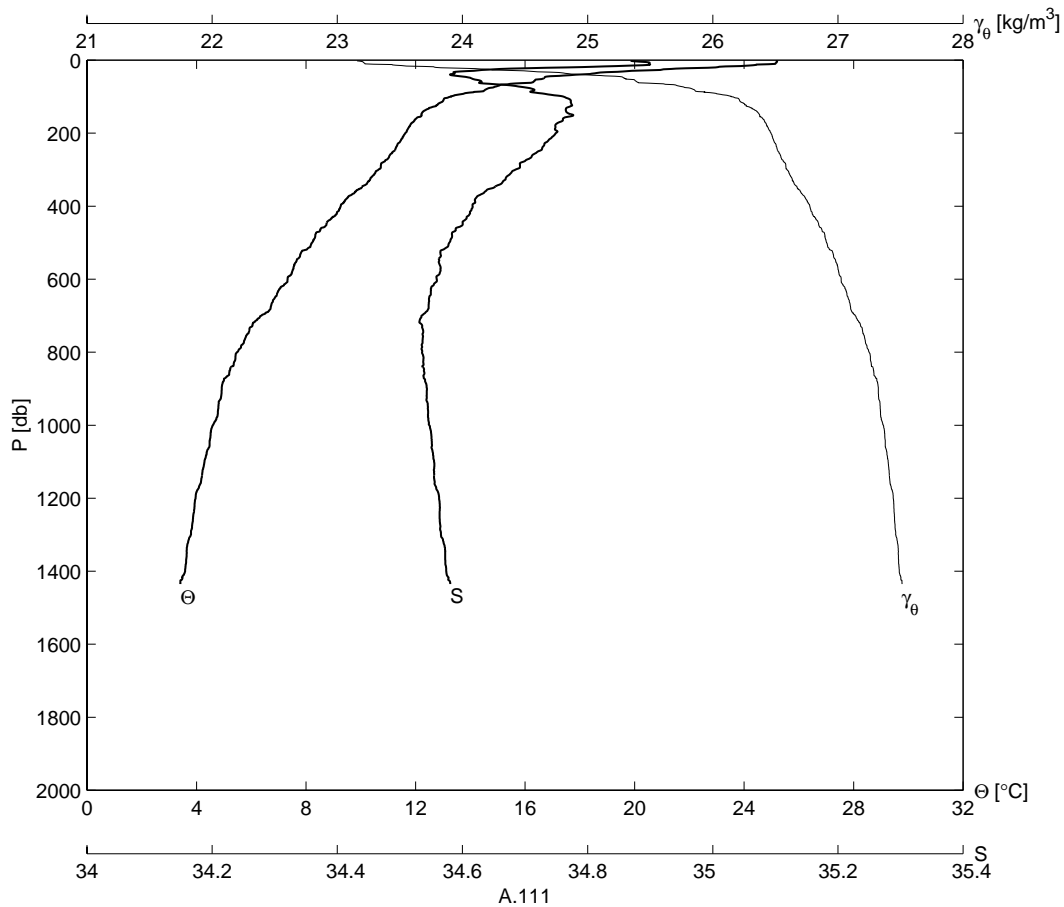
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C11	111	18 53.3	105 2.8	13	5	2001	330		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
2676.3	26.4	34.99	99.0	25.1	11.6	210	9	1018.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.932	34.991	23.047	99.900	140.0	12.662	34.774	26.285	99.900
5.0	25.909	34.988	23.052	99.900	160.0	12.338	34.773	26.348	99.900
10.0	25.600	34.965	23.131	99.900	180.0	12.091	34.763	26.388	99.900
15.0	25.331	35.003	23.242	99.900	200.0	11.823	34.756	26.433	99.900
20.0	24.821	34.975	23.377	99.900	300.0	10.578	34.681	26.602	99.900
25.0	24.365	34.978	23.516	99.900	400.0	9.172	34.616	26.790	99.900
30.0	22.804	34.780	23.823	99.900	500.0	7.927	34.567	26.945	99.900
40.0	18.839	34.578	24.740	99.900	600.0	7.065	34.548	27.054	99.900
50.0	16.951	34.608	25.225	99.900	700.0	6.185	34.529	27.157	99.900
60.0	14.970	34.671	25.725	99.900	800.0	5.678	34.533	27.224	99.900
70.0	14.316	34.707	25.893	99.900	900.0	5.128	34.531	27.288	99.900
80.0	14.088	34.726	25.957	99.900	1000.0	4.379	34.542	27.382	99.900
90.0	13.933	34.732	25.994	99.900	1500.0	3.230	34.583	27.531	99.900
100.0	13.469	34.747	26.101	99.900	2000.0	2.270	34.625	27.650	99.900
120.0	13.093	34.759	26.188	99.900	2500.0	1.709	34.655	27.718	99.900
2505.0	1.707	34.655	27.718	99.900					



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C10	112	18 56.2	105 0.3	13	5	2001	530		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1942.3	25.8	34.95	99.0	25.0	10.8	160	9	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.356	34.952	23.196	99.900	120.0	12.785	34.780	26.265	99.900
5.0	25.342	34.953	23.201	99.900	140.0	12.543	34.788	26.319	99.900
10.0	25.204	34.952	23.243	99.900	160.0	12.228	34.775	26.370	99.900
15.0	24.775	34.931	23.358	99.900	180.0	11.971	34.767	26.414	99.900
20.0	24.129	34.891	23.521	99.900	200.0	11.711	34.758	26.456	99.900
25.0	22.631	34.743	23.844	99.900	300.0	10.453	34.675	26.620	99.900
30.0	21.270	34.645	24.150	99.900	400.0	9.298	34.620	26.773	99.900
40.0	18.364	34.566	24.849	99.900	500.0	8.130	34.576	26.921	99.900
50.0	16.973	34.587	25.204	99.900	600.0	7.082	34.549	27.052	99.900
60.0	15.340	34.667	25.640	99.900	700.0	6.348	34.539	27.143	99.900
70.0	14.786	34.687	25.777	99.900	800.0	5.650	34.533	27.227	99.900
80.0	14.388	34.701	25.874	99.900	900.0	5.092	34.535	27.296	99.900
90.0	13.577	34.744	26.078	99.900	1000.0	4.617	34.543	27.357	99.900
100.0	13.211	34.764	26.168	99.900	1500.0	3.194	34.590	27.540	99.900
1904.0	2.578	34.616	27.616	99.900					

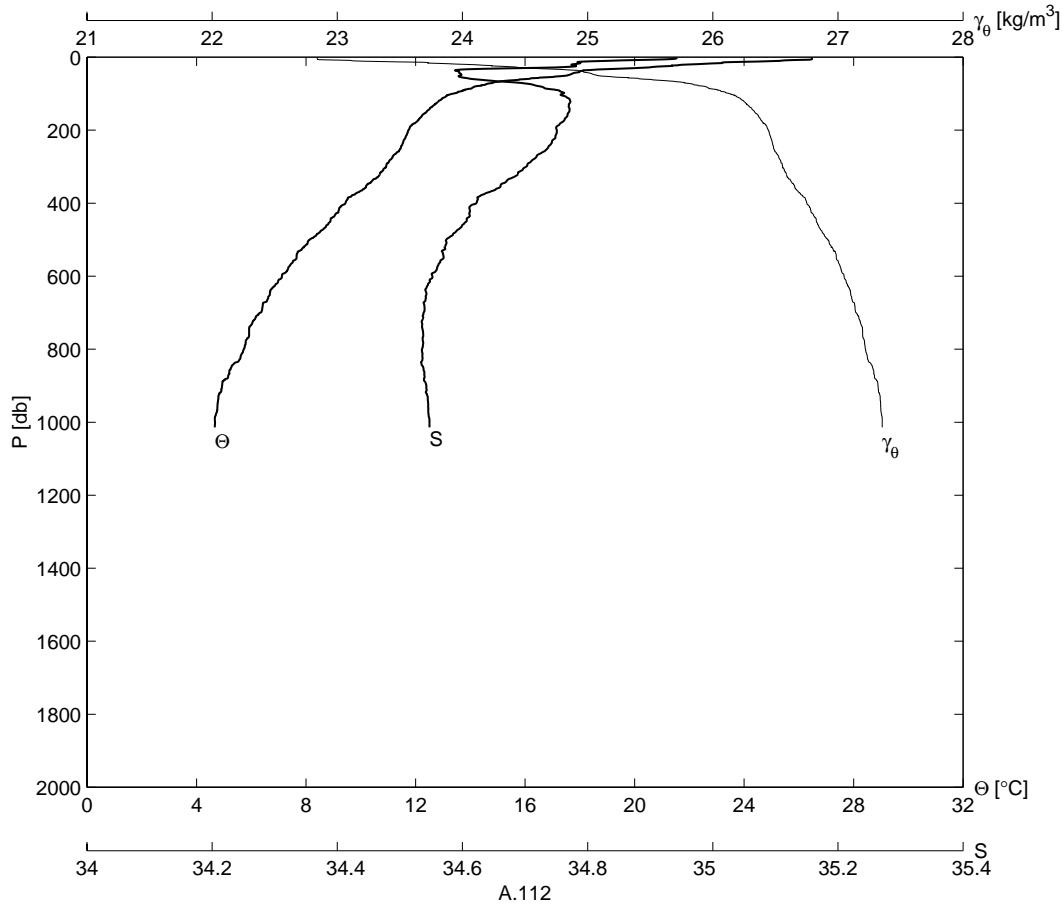


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C09	113	18 58.6	104 58.3	13	5	2001	714		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1435.0	25.6	34.82	99.0	25.0	10.5	237	9	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.159	34.821	23.157	99.900	120.0	12.823	34.774	26.253	99.900
5.0	25.195	34.900	23.206	99.900	140.0	12.282	34.766	26.353	99.900
10.0	25.140	34.898	23.221	99.900	160.0	12.023	34.761	26.399	99.900
15.0	24.164	34.896	23.514	99.900	180.0	11.787	34.749	26.434	99.900
20.0	22.960	34.793	23.788	99.900	200.0	11.626	34.749	26.465	99.900
25.0	21.061	34.645	24.208	99.900	300.0	10.646	34.685	26.593	99.900
30.0	19.739	34.603	24.528	99.900	400.0	9.262	34.616	26.775	99.900
40.0	17.858	34.575	24.982	99.900	500.0	8.223	34.578	26.909	99.900
50.0	16.685	34.614	25.292	99.900	600.0	7.326	34.559	27.026	99.900
60.0	16.301	34.632	25.395	99.900	700.0	6.362	34.533	27.137	99.900
70.0	15.041	34.679	25.715	99.900	800.0	5.480	34.536	27.250	99.900
80.0	14.575	34.714	25.844	99.900	900.0	4.919	34.543	27.323	99.900
90.0	13.825	34.723	26.009	99.900	1000.0	4.593	34.547	27.362	99.900
100.0	13.302	34.761	26.147	99.900	1435.0	3.413	34.581	27.511	99.900

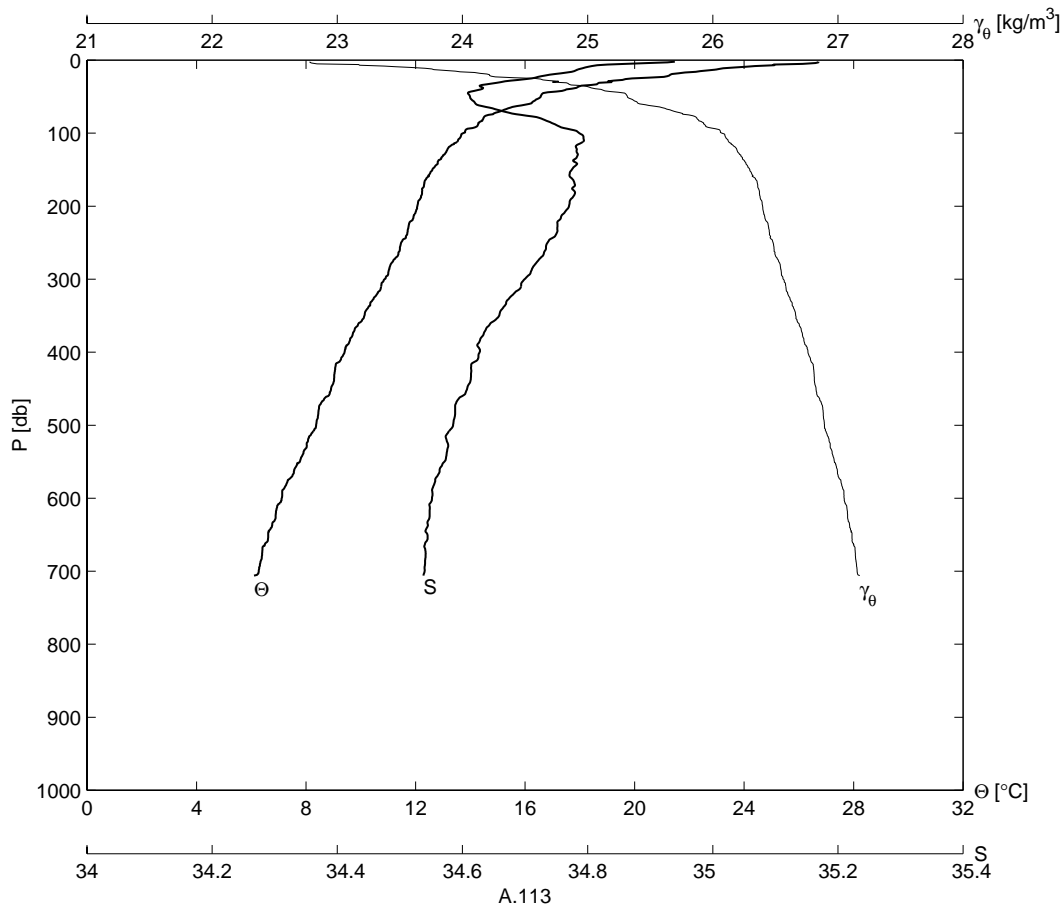


A.111

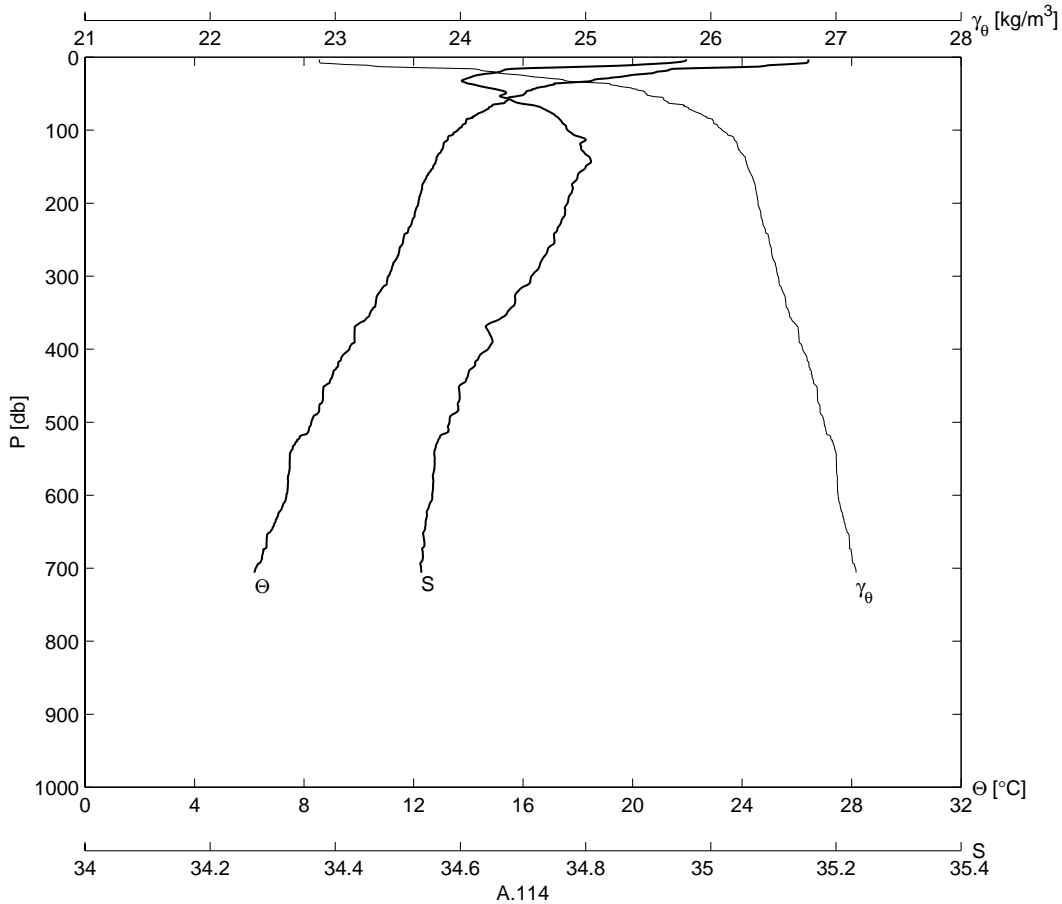
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C08	114	19 1.0	104 56.4	13	5	2001	907		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
1016.0	26.8	34.94	99.0	24.8	8.8	36	9	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.479	34.943	22.840	99.900	120.0	12.849	34.773	26.247	99.900
5.0	26.477	34.942	22.840	99.900	140.0	12.524	34.772	26.310	99.900
10.0	25.292	34.835	23.127	99.900	160.0	12.233	34.768	26.364	99.900
15.0	23.191	34.800	23.727	99.900	180.0	11.992	34.760	26.404	99.900
20.0	22.034	34.776	24.038	99.900	200.0	11.738	34.751	26.446	99.900
25.0	21.070	34.782	24.309	99.900	300.0	10.921	34.703	26.558	99.900
30.0	19.998	34.679	24.517	99.900	400.0	9.436	34.623	26.752	99.900
40.0	17.982	34.598	24.969	99.900	500.0	8.136	34.576	26.920	99.900
50.0	17.563	34.601	25.073	99.900	600.0	7.120	34.552	27.049	99.900
60.0	16.001	34.602	25.441	99.900	700.0	6.328	34.538	27.145	99.900
70.0	14.807	34.692	25.777	99.900	800.0	5.724	34.536	27.220	99.900
80.0	14.189	34.725	25.935	99.900	900.0	4.928	34.542	27.320	99.900
90.0	13.803	34.751	26.036	99.900	1000.0	4.675	34.547	27.353	99.900
100.0	13.371	34.761	26.133	99.900	1014.0	4.671	34.547	27.354	99.900



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C07	115	19 3.1	104 54.5	13	5	2001	1024		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
750.0	27.1	34.96	99.0	24.9	4.3	355	9	1019.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	26.712	34.964	22.782	99.900	90.0	14.259	34.755	25.943	99.900
5.0	26.141	34.799	22.838	99.900	100.0	13.741	34.780	26.072	99.900
10.0	23.683	34.801	23.584	99.900	120.0	13.201	34.782	26.183	99.900
15.0	22.394	34.784	23.943	99.900	140.0	12.808	34.782	26.262	99.900
20.0	21.304	34.743	24.215	99.900	160.0	12.442	34.771	26.326	99.900
25.0	19.913	34.730	24.578	99.900	180.0	12.239	34.780	26.372	99.900
30.0	19.155	34.657	24.719	99.900	200.0	12.066	34.770	26.398	99.900
40.0	17.512	34.630	25.108	99.900	300.0	10.870	34.697	26.563	99.900
50.0	16.574	34.614	25.318	99.900	400.0	9.407	34.628	26.761	99.900
60.0	16.153	34.614	25.416	99.900	500.0	8.370	34.585	26.892	99.900
70.0	15.100	34.665	25.692	99.900	600.0	7.111	34.551	27.049	99.900
80.0	14.479	34.725	25.873	99.900	700.0	6.275	34.540	27.154	99.900
706.0	6.099	34.538	27.175	99.900					

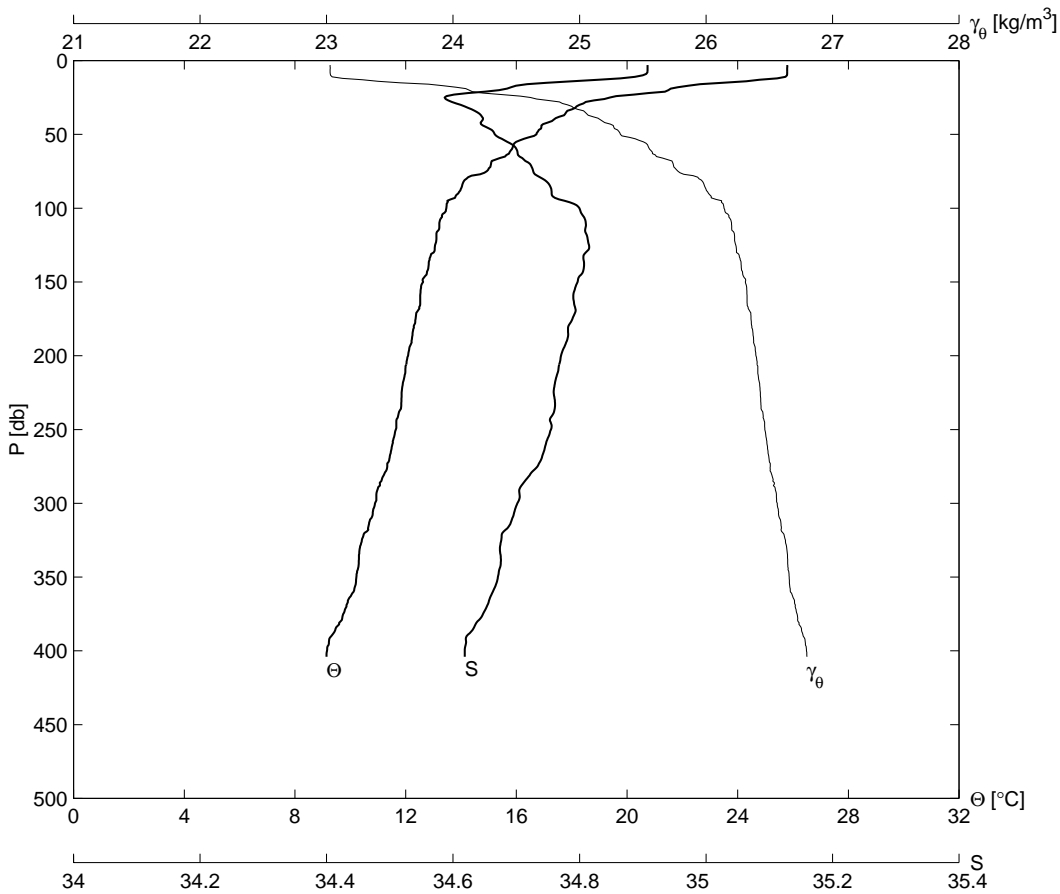


ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C06	116	19 5.5	104 52.5	13	5	2001	1143		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
707.0	26.9	34.96	99.0	24.5	4.5	309	9	1016.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	26.422	34.961	22.871	99.900	100.0	13.620	34.770	26.089	99.900
10.0	25.551	34.865	23.071	99.900	120.0	13.094	34.792	26.213	99.900
15.0	22.331	34.649	23.858	99.900	140.0	12.835	34.808	26.277	99.900
20.0	20.901	34.658	24.260	99.900	160.0	12.535	34.788	26.321	99.900
25.0	19.885	34.626	24.506	99.900	180.0	12.313	34.780	26.358	99.900
30.0	18.712	34.599	24.788	99.900	200.0	12.179	34.772	26.378	99.900
40.0	16.845	34.634	25.270	99.900	300.0	11.080	34.713	26.537	99.900
50.0	16.053	34.671	25.483	99.900	400.0	9.650	34.644	26.733	99.900
60.0	15.394	34.683	25.640	99.900	500.0	8.268	34.583	26.906	99.900
70.0	14.745	34.735	25.823	99.900	600.0	7.357	34.555	27.018	99.900
80.0	14.247	34.751	25.942	99.900	700.0	6.238	34.536	27.156	99.900
90.0	13.907	34.764	26.024	99.900	706.0	6.198	34.538	27.162	99.900



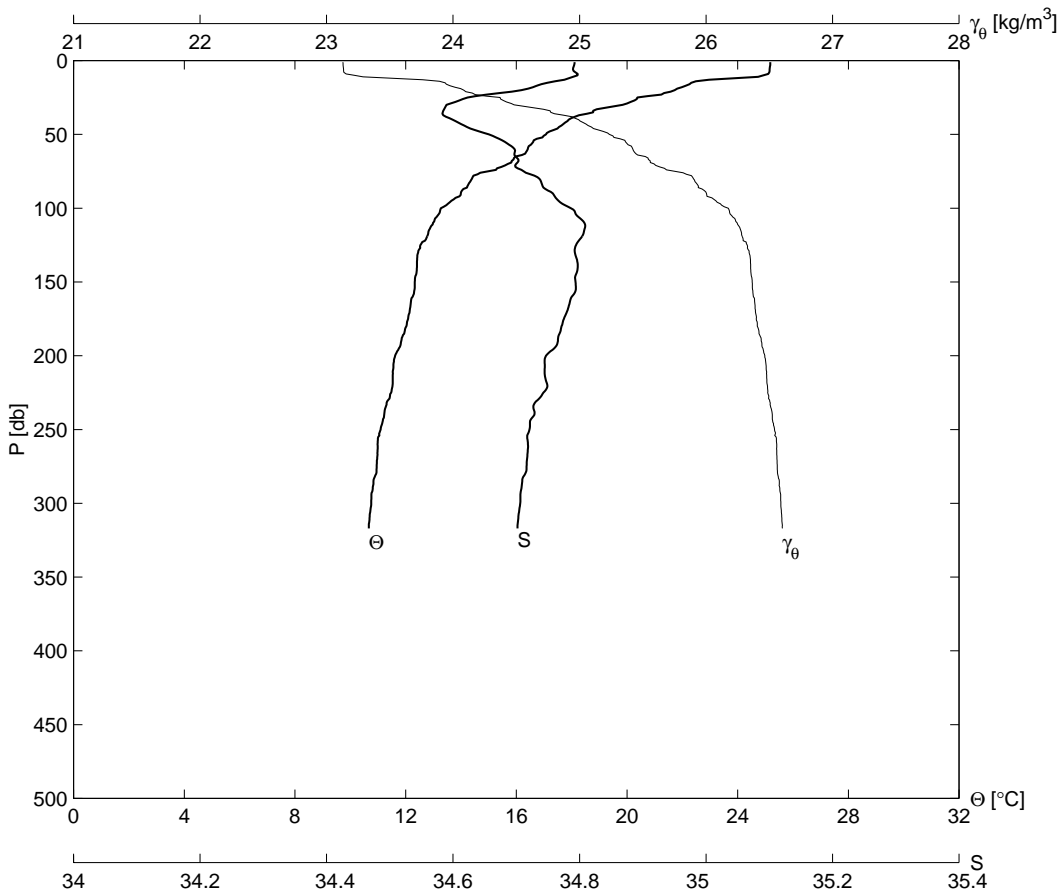
A.114

ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C05	117	19 7.0	104 51.2	13	5	2001	1314		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
452.0	26.2	34.91	99.0	27.5	3.8	14	9	1020.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
5.0	25.790	34.908	23.029	99.900	80.0	14.200	34.739	25.944	99.900
10.0	25.785	34.909	23.031	99.900	90.0	13.904	34.756	26.019	99.900
15.0	23.437	34.704	23.582	99.900	100.0	13.469	34.800	26.142	99.900
20.0	21.494	34.697	24.128	99.900	120.0	13.110	34.812	26.225	99.900
25.0	19.386	34.594	24.612	99.900	140.0	12.823	34.807	26.279	99.900
30.0	18.282	34.612	24.905	99.900	160.0	12.527	34.790	26.324	99.900
40.0	17.349	34.651	25.163	99.900	180.0	12.295	34.781	26.362	99.900
50.0	16.725	34.666	25.323	99.900	200.0	12.088	34.770	26.394	99.900
60.0	15.839	34.701	25.554	99.900	300.0	10.896	34.703	26.563	99.900
70.0	15.086	34.723	25.740	99.900	400.0	9.160	34.618	26.793	99.900
404.0	9.139	34.619	26.798	99.900					

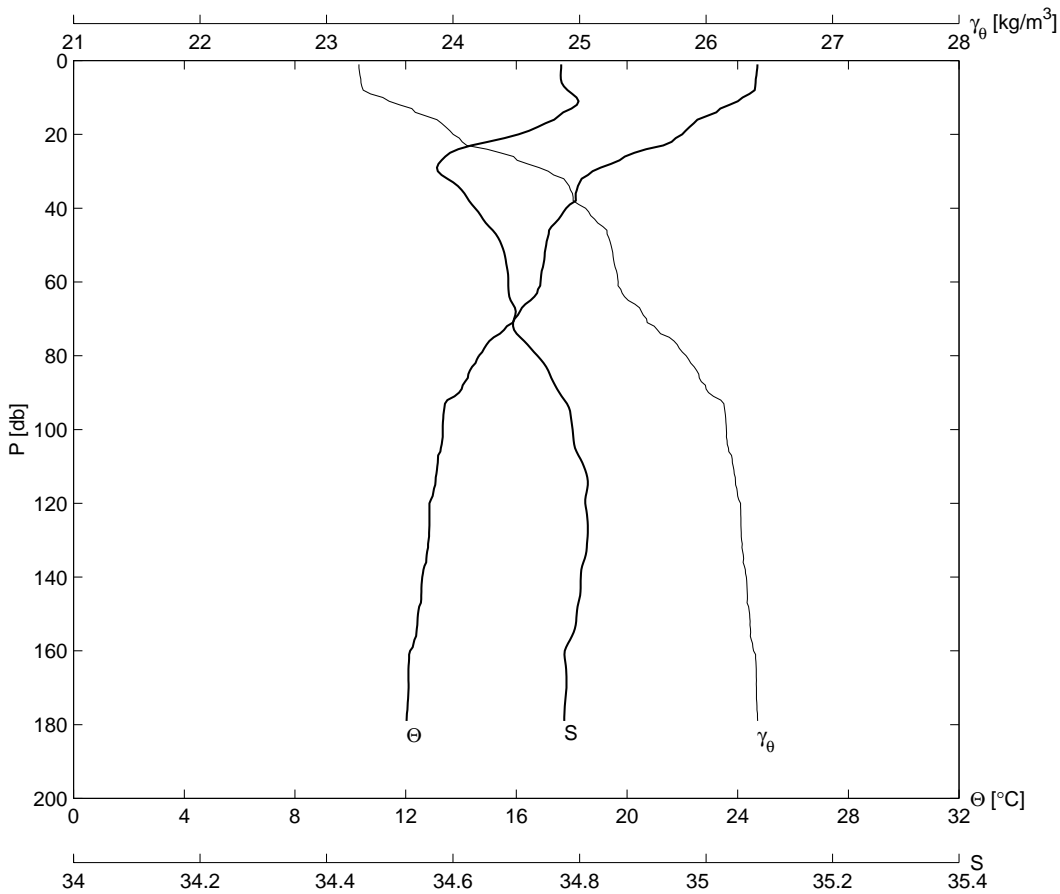


A.115

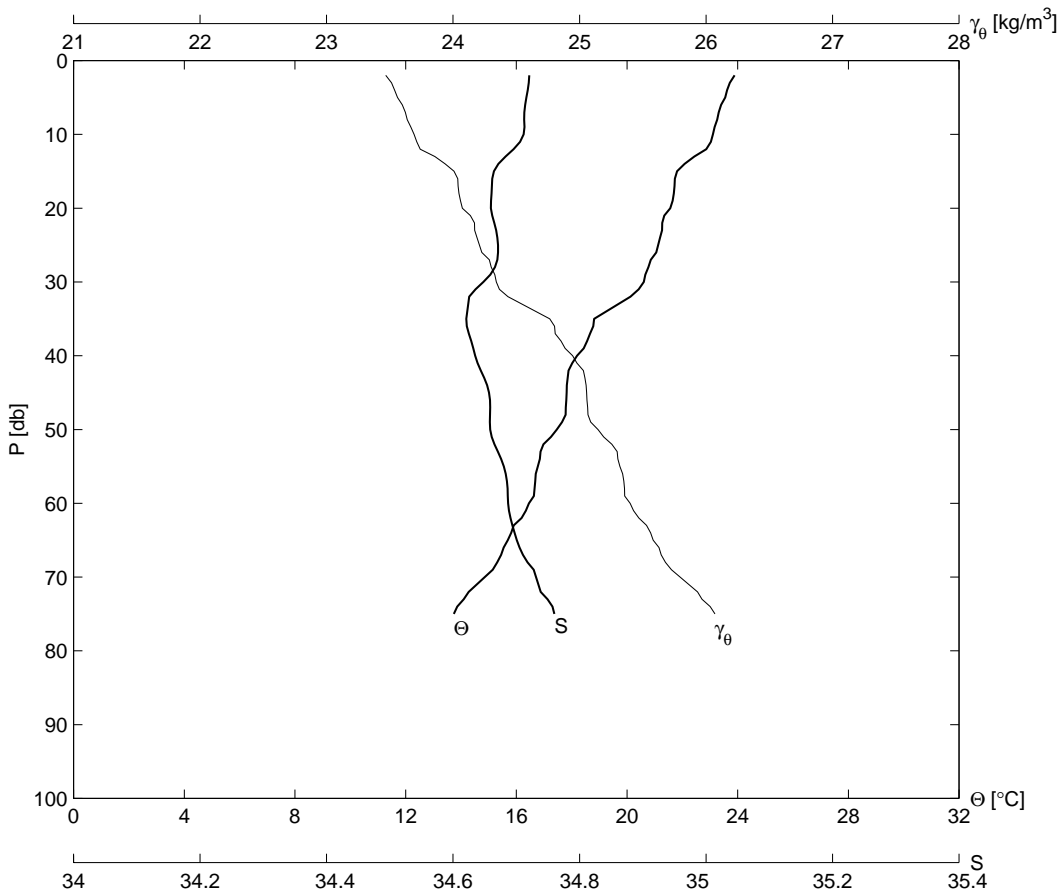
ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C04	118	19 8.5	104 50.1	13	5	2001	1410		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
317.0	25.6	34.79	99.0	26.0	3.0	183	4	1020.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]		[kg/m ³]	[ml/l]	[db]	[°C]		[kg/m ³]	[ml/l]
2.0	25.179	34.793	23.130	99.900	70.0	15.698	34.704	25.589	99.900
5.0	25.160	34.789	23.133	99.900	80.0	14.398	34.739	25.901	99.900
10.0	24.930	34.811	23.220	99.900	90.0	13.997	34.762	26.003	99.900
15.0	22.321	34.750	23.937	99.900	100.0	13.276	34.791	26.175	99.900
20.0	21.726	34.724	24.084	99.900	120.0	12.754	34.804	26.290	99.900
25.0	20.374	34.618	24.372	99.900	140.0	12.410	34.797	26.353	99.900
30.0	19.845	34.581	24.483	99.900	160.0	12.253	34.786	26.374	99.900
40.0	17.891	34.600	24.992	99.900	180.0	12.029	34.770	26.405	99.900
50.0	17.072	34.658	25.235	99.900	200.0	11.622	34.748	26.465	99.900
60.0	16.411	34.699	25.422	99.900	300.0	10.755	34.707	26.591	99.900
317.0	10.668	34.703	26.604	99.900					



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C03	119	19 10.0	104 48.7	13	5	2001	1450		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
181.8	25.1	34.77	99.0	26.3	4.5	13	4	1020.0	
PR	Θ	SA	γ_θ	OX	PR	Θ	SA	γ_θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	24.708	34.771	23.256	99.900	60.0	16.874	34.689	25.306	99.900
5.0	24.656	34.769	23.271	99.900	70.0	15.937	34.697	25.529	99.900
10.0	24.176	34.809	23.445	99.900	80.0	14.651	34.734	25.843	99.900
20.0	21.994	34.712	24.001	99.900	90.0	13.935	34.764	26.019	99.900
25.0	20.269	34.584	24.373	99.900	100.0	13.340	34.789	26.161	99.900
30.0	18.758	34.568	24.752	99.900	120.0	12.863	34.809	26.273	99.900
40.0	17.801	34.643	25.047	99.900	140.0	12.604	34.803	26.319	99.900
50.0	17.077	34.678	25.249	99.900	160.0	12.161	34.766	26.376	99.900
179.0	12.036	34.776	26.408	99.900					



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C02	120	19 11.6	104 47.4	13	5	2001	1604		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
78.9	24.7	34.73	99.0	27.3	6.2	199	3	1020.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	23.889	34.728	23.468	99.900	25.0	21.126	34.670	24.208	99.900
5.0	23.551	34.719	23.561	99.900	30.0	20.605	34.662	24.343	99.900
10.0	23.105	34.721	23.692	99.900	40.0	18.195	34.636	24.945	99.900
15.0	21.813	34.654	24.007	99.900	50.0	17.461	34.665	25.147	99.900
20.0	21.565	34.651	24.073	99.900	60.0	16.457	34.685	25.400	99.900
75.0	13.742	34.779	26.070	99.900					



ESTACION	LANCE	LATITUD	LONGITUD	DD	MM	AA	H[GMT]		
C01	121	19 13.0	104 46.0	13	5	2001	1634		
PROFTOT	TEMSUP	SALSUP	TEBUHU	TEBUSE	V-MAG	DIR	NUBES	BAROM	
[m]	[°C]	[ups]	[°C]	[°C]	[m/s]	[AZM]	[1/8]	[bar]	
50.5	24.2	34.72	99.0	27.3	6.9	51	3	1020.0	
PR	Θ	SA	γ _θ	OX	PR	Θ	SA	γ _θ	OX
[db]	[°C]	[kg/m ³]	[ml/l]	[db]	[db]	[°C]	[kg/m ³]	[ml/l]	[ml/l]
2.0	23.143	34.701	23.666	99.900	25.0	19.413	34.625	24.629	99.900
5.0	22.752	34.688	23.768	99.900	30.0	19.193	34.635	24.693	99.900
10.0	22.584	34.681	23.811	99.900	40.0	18.785	34.628	24.791	99.900
15.0	22.139	34.666	23.925	99.900	50.0	16.633	34.668	25.346	99.900
20.0	20.193	34.625	24.425	99.900	50.0	16.633	34.668	25.346	99.900

