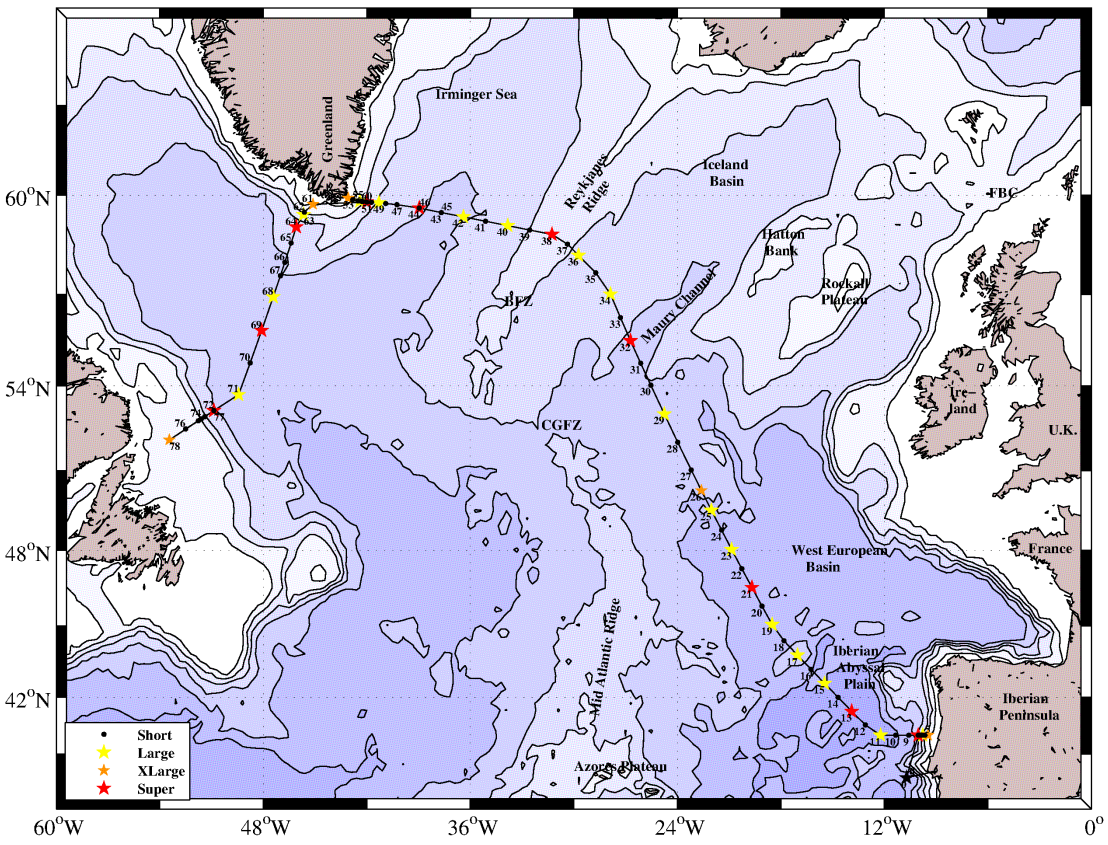
Département Océanographie et Dynamique des Ecosystèmes
Laboratoire de Physique des Océans
Unité mixte n°6523 (CNRS/IFREMER/IRD/UBO)
ODE/LPO

P. BRANELLEC
P. LHERMINIER

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GEOVIDE 2014

Vol. 1: Classic CTD-O_2 Cruise report



GEOVIDE

An international GEOTRACES study along the OVIDE section in the North Atlantic and Labrador Sea

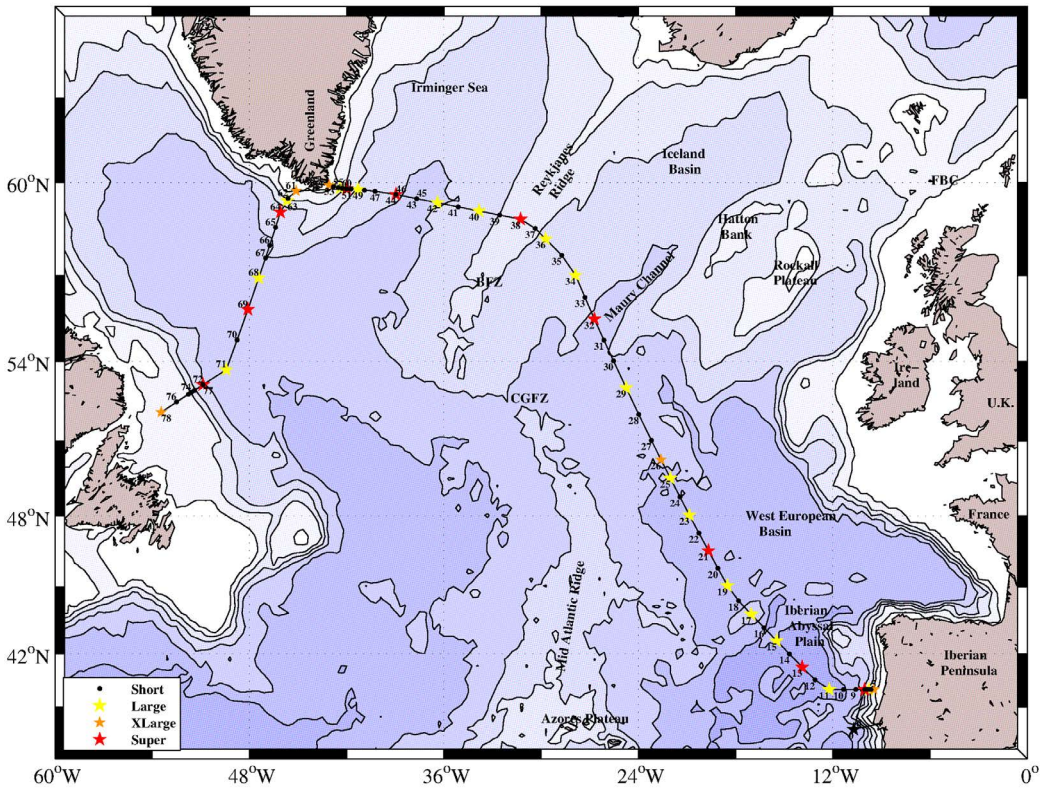
GEOVIDE Cruise

Volume 1: Classic CTD-O_2

15/05/2014 to 30/06/2014

On board R/V Pourquoi pas ?

Lisbon (Portugal) - Saint John's (Canada)



ABSTRACT

The GEOVIDE cruise was carried out coast to coast between Portugal and Newfoundland via the south tip of Greenland, following the OVIDE line in the eastern part and crossing the Labrador Sea in the western part. The classical hydrographic rosette was cast 163 times at 78 different geographical positions called stations. While the CTD-O2 probe acquired continuous profiles of the "physical" variables (pressure, temperature, salinity and dissolved oxygen), 22 Niskin bottles were closed at different levels during the upcast to provide samples for biogeochemical analysis. In parallel, but not simultaneously, a trace-metal rosette (TMR) was cast 53 times, also acquiring profiles of physical variables, and equipped with 24 Go-Flo bottles adapted for the sampling of trace metals. Depending on the number of operations, stations were identified as "Short" (one single CTD cast), "Large" (3 CTD casts), "XLarge" (up to 6) and "Super" (up to 11).

We report here an overview of the cruise operations and team, followed by a focus on the acquisition and calibration steps of the physical variables measured specifically by the classical hydrographic CTD-O2 probe. Note that a separate report addresses the calibration of the TMR CTD-O2 data.

After calibration, we find precisions for pressure, temperature, salinity and dissolved oxygen that fit the GO-SHIP international quality requirements. Pressure and temperature were calibrated at the laboratory before and after the cruise, and results confirm the precision claimed by the manufacturer, i.e. 1 dbar and 0.001 °C respectively. The calibration of salinity and dissolved oxygen data is obtained by applying polynomial correcting functions that are calculated to statistically minimize the differences between the probe data and the sample data analyzed on board in the chemistry container. These chemical data are also evaluated by the comparison of replicates. After calibration, the differences in salinity and oxygen follow a zero-centered Gaussian-like distribution which standard deviation is used to evaluate the probe precision for each variable. For salinity, we find a standard deviation of 0.0014, and for oxygen, 0.025 ml/l (or 1.2 µmol/kg). Those numbers corresponds to a 68 % confidence interval, and must be doubled to reach a precision with a 95 % confidence interval.

RESUME

La campagne GEOVIDE s'est déroulée en Atlantique Nord, du Portugal à Terre-Neuve via la pointe sud du Groenland, suivant le trajet de la section OVIDE dans sa partie est et traversant la Mer du Labrador à l'ouest. La rosette hydrographique classique a été mise à l'eau 163 fois sur 78 positions géographiques distinctes appelées stations. Alors que la sonde CTD-O_2 enregistrait en continu les variables dites « physique » (pression, température, salinité et oxygène dissous), 22 bouteilles Niskin étaient fermées à la remontée à différentes profondeurs afin de disposer d'échantillons d'eau de mer pour les analyses biogéochimiques. Parallèlement, la rosette spécifique aux métaux traces (TMR) a été mise à l'eau 53 fois à 32 de ces stations, et des échantillons d'eau de mer ont été prélevés dans 24 bouteilles Go-Flo. En fonction du nombre d'opérations appelées « casts », les stations ont été identifiées comme « Courte » (1 profil CTD), « Large » (3 profils CTD), « XLarge » (jusqu'à 6 profils) et « Super » (jusqu'à 11 profils).
Ce rapport expose tout d'abord une présentation des opérations et de l'équipe de la campagne, suivie par les étapes d'acquisition et d'ajustage des variables physiques mesurés par la sonde CTD-O_2 de la rosette classique. Les mesures de la sonde de la rosette TMR font l'objet d'un rapport distinct.
Après ajustage, la précision estimée pour la pression, la température, la salinité et l'oxygène dissous est conforme aux exigences internationales des campagnes GO-SHIP. La pression et la température ont été ajustées grâce à une vérification au laboratoire de métrologie avant et après la campagne et confirme la précision donnée par le constructeur, à savoir 1 dbar et 0.001 °C respectivement. L'ajustage des données de salinité et oxygène dissous se fait par application de polynômes de correction calculés pour statistiquement minimiser l'écart entre les données de la sonde et les analyses chimiques faites sur les prélèvements, ces dernières étant validées par l'analyse régulière de doublons. La différence entre les données de la sonde après ajustage et les données de chimie suit une distribution quasi gaussienne centrée sur zéro pour les deux variables, et la précision des données est estimée par le calcul de l'écart-type de cette distribution, qui donne une valeur de 0.0014 en salinité et 0.025 ml/l (soit 1.2 µmol/kg) en oxygène, correspondant à un intervalle de confiance de 68 %. Une précision à 95 % nécessite de doubler la valeur de l'écart-type.

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1. The GEOVIDE Program

1.1. Cruise objectives

Trace elements and their isotopes (TEIs) play a key role in the ocean and can be used as tracers of past and present oceanic processes. Studying their cycle, together with the oceanic circulation, has direct implications in diverse research areas such as carbon cycling, climate change, ocean ecosystems and environmental contamination.
The North Atlantic is a key region for Earth climate. Indeed, the most important heat exchanges between the Tropics and the Arctic occur in this region, as well as the so-called Meridional Overturning Circulation (MOC), driven by the deep water formation. Moreover, the TEIs have very contrasted sources in this area and their cycles are poorly known. The GEOVIDE project is strongly linked to the OVIDE[1] project, which aims at studying the characteristics and variability of the MOC. GEOVIDE is the French contribution of the GEOTRACES[2] programme in the North Atlantic.

The scientific objectives are:
1- Better know and quantify the MOC and the carbon cycle in a decadal variability context, adding new key tracers
2- Map the TEI distribution with their physical and chemical speciation along a full-depth high resolution ocean section
3- Investigate the link between the TEIs, and the production, export and remineralisation of particulate organic matter
4- Identify the TEI sources and sinks and quantify their fluxes at the ocean boundaries
5- Better understand and quantify the paleoproxies 231Pa/230Th, _Nd, and _30Si.

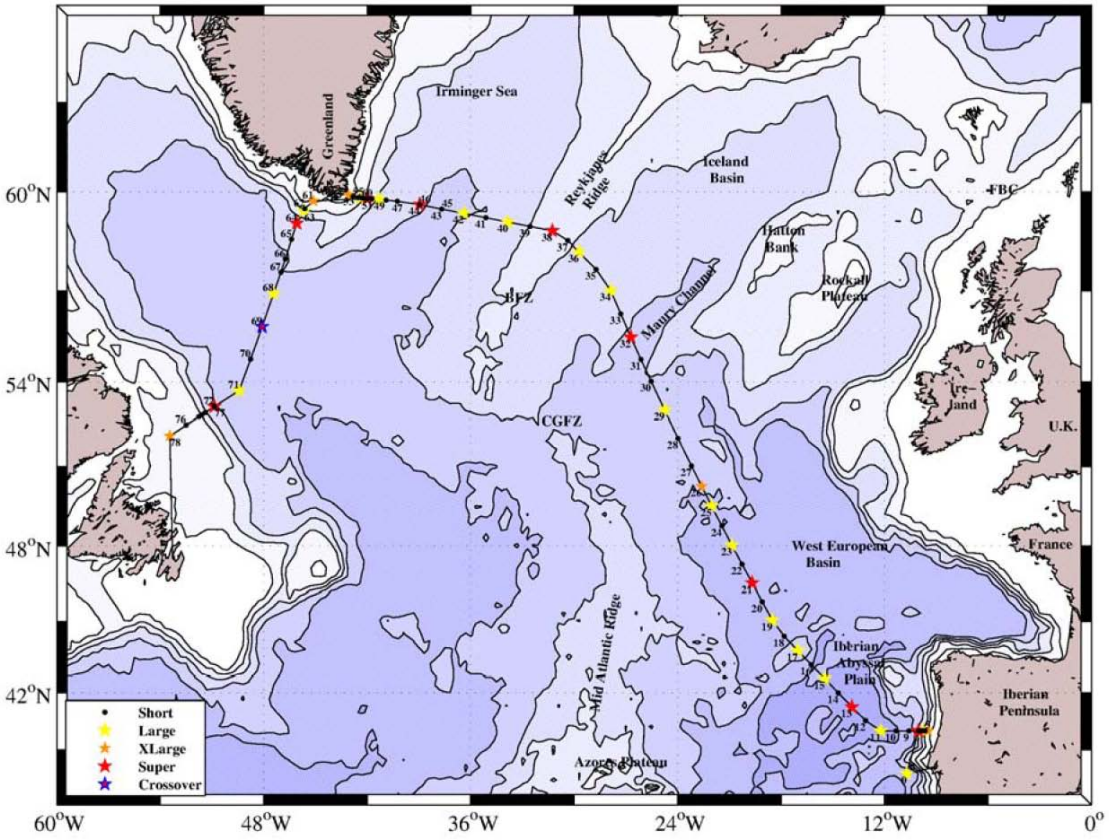
To achieve these objectives, a 47-day multidisciplinary cruise was carried out on board R/V Pourquoi Pas? (15 May - 30 June 2014).

[1] http://www.umr-lops.fr/Projets/Projets-actifs/OVIDE
[2] http://www.geotraces.org

1.2. Cruise track and station location

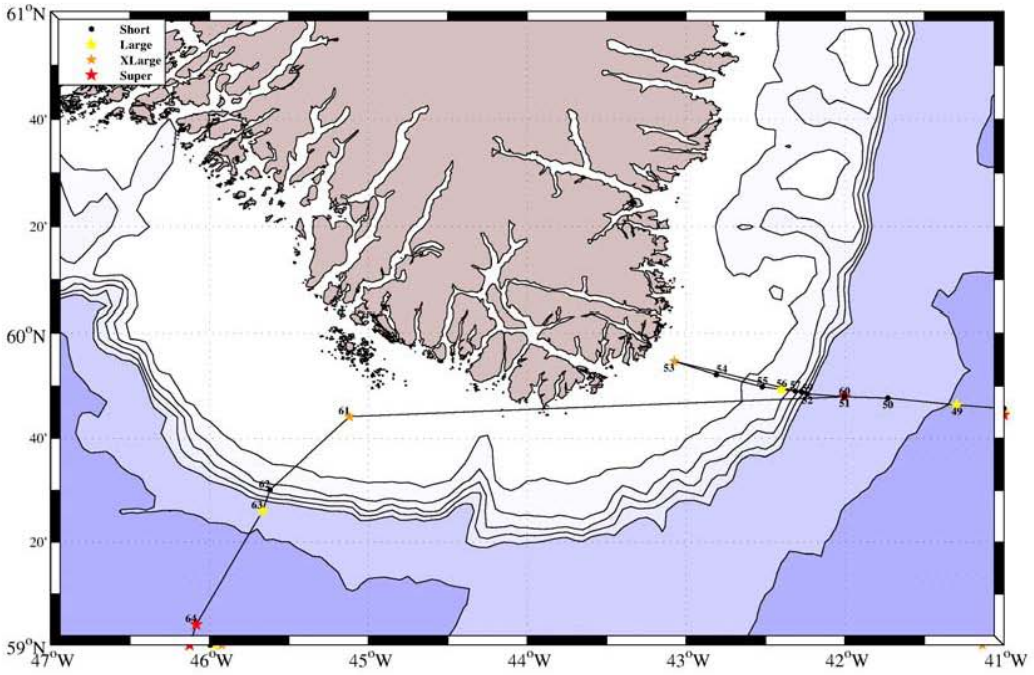
The cruise track crossed significant regional gradients in TEI sources (continental margins, atmospheric inputs, hydrothermal inputs) as well as in biological productivity, (Iberian upwelling region, oligotrophic subtropical gyre and subpolar gyre). In order to take into account these North Atlantic specificities, the GEOVIDE section fitted the OVIDE section from the Iberian upwelling system to the subpolar North Atlantic region, with an additional transect in the Labrador Sea that follows the OSNAP[3] recommendation in order to better constrain the deep water export.

The final cruise track and station location are reported on Figure 1 below.

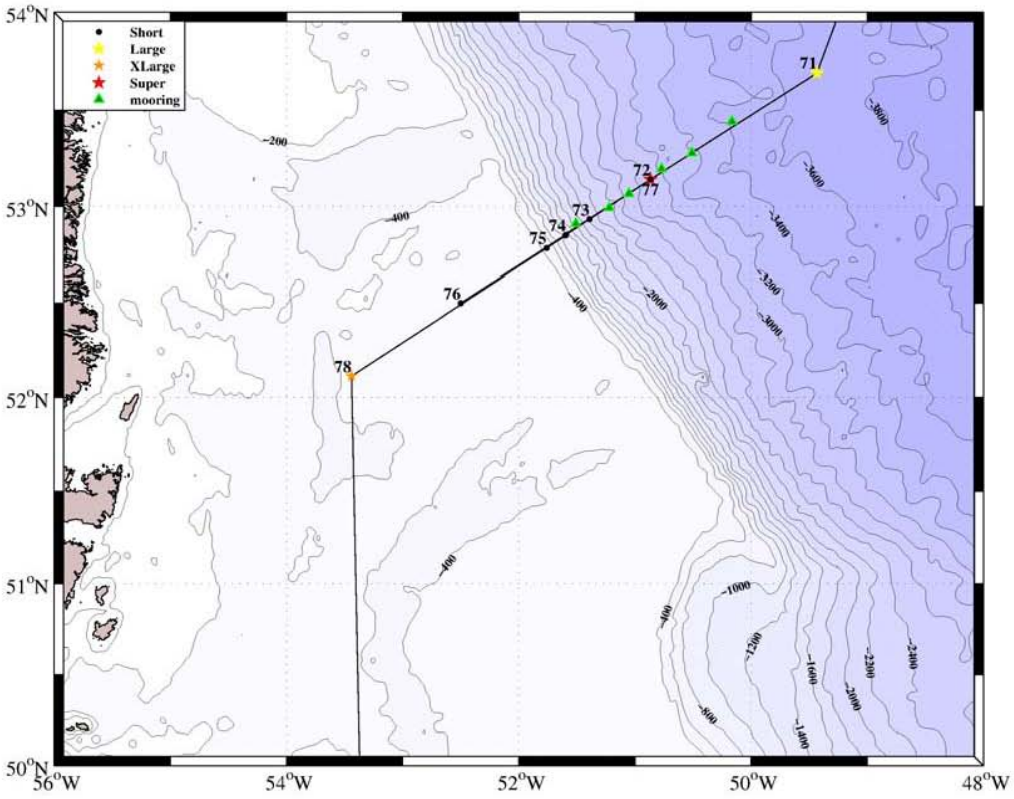


(a)

[3] http://www.o-snap.org



(b)



(c)

Figure 1 - GEOVIDE cruise track (a), with a focus on the Greenland margin (b) and Canadian margin (c)

2. The GEOVIDE 2014 Cruise

The GEOVIDE cruise took place on board the R/V Pourquoi pas ? from 15th May to 30th June 2014, starting from Lisbon (Portugal) and finishing in Saint John's (Canada).



Figure 2 - R/V Pourquoi pas ? in Lisbon

The following operations were carried out during this mission :

- 48 short stations (S)
- 17 large stations (L)
- 5 xlarge stations (XL)
- 10 super stations (Sp)

for a total of 341 operations on deck (for all the details, refer to he cruise report : Sarthou et al., 2015).

Typical schedules of Short, Large, XLarge and Super stations were as follow:

1- **Short station** (example of station #39):

Operations	Local Time	Duration (h)	Cast number
Station localization	11/06/2014 22:20	00:10	
CTD Hydro	11/06/2014 22:30	01:50	01
SVP-SAL + APEX DO	12/06/2014 00:10	00:10	
End of station	12/06/2014 00:30		

2- **Large station** (example of station #42)

Operations	Local Time	Duration (h)	Cast number
Station localization	12/06/2014 19:45	00:10	
CTD Hydro	12/06/2014 19:55	02:30	01
TMR stock	12/06/2014 22:25	02:30	02
CTD Hydro Biogeo Shallow	13/06/2014 00:55	00:50	03
End of station	13/06/2014 01:45		

3- **XLarge station** (example of station #26)

Operations	Local Time	Duration (h)	Cast number
Station localization	04/06/2014 04:15	00:20	
CTD Hydro	04/06/2014 04:35	03:00	01
TMR stock	04/06/2014 06:45	03:00	02
CTD-Ra+REE+Th+Ba	04/06/2014 09:45	03:00	03
ISP	04/06/2014 12:45	07:10	04
CTD-Pa/Th/Pb/Po/Be/art radion	04/06/2014 19;55	01:20	05
TMR-Fe-isotopes	04/06/2014 21:55	03:00	06
CTD Hydro Biogeo Shallow	05/06/2014 00:15	00:50	07
ARVOR deployment	05/06/2014 01:05	00:50	
End of station	05/06/2014 01:45		

4- **Super station** (example of station #44)

Operations	Local Time	Duration (h)	Cast number
Station localization	13/06/2014 12:15	00:20	
CTD Hydro	13/06/2014 12:35	02:20	01
TMR stock	13/06/2014 14:55	02:20	02
CTD Hydro Biogeo Shallow	13/06/2014 17:15	00:40	03
ISP Shallow	13/06/2014 17:55	04:30	04
CTD Pa/Th/Pb/Po	13/06/2014 22:25	02:20	05
TMR-Fe-isotopes	14/06/2014 00:45	02:20	06
CTD-Ra+REES	14/06/2014 03:05	02:20	07
ISP Deep	14/06/2014 05:25	07:30	08
CTD Biogeo Relmin+REES	14/06/2014 12:55	01:20	09
TMR particulate	14/06/2014 14:15	02:20	10
CTD Be	14/06/2014 16:35	00:20	11
Plankton net	14/06/2014 16:55	00:45	12
CTD Radionuclides	14/06/2014 17:40	02:20	13
PROVBIO 2	14/06/2014 20:00	00:10	
End of station	1406/2014 20:10		

We have deployed:
- 163 times the classical rosette on the bathysonde winch, except at station 14, 15, 16, 17, and 59, where the classical rosette was deployed on the clean winch
- 53 times the clean rosette on the clean winch
- 25 times the in-situ pumps on the hydro winch
- 11 times the mono-corer on the hydro winch, with or without the in-situ pumps clamped on the cable.
- 9 times the plankton net.

We also collected:
- 140 sea-surface samples using a fish towed from the ship's starboard side and deployed at 1–2m below the surface
- 18 aerosol samples
- 10 rainwater samples

Finally, we dropped:
- 60 XBTs
- 8 ARVOR, 2 ARVOR-deep, 2 PROVOR-DO, 2 PROVBIO, 1 ARVOR double DO, 2 APEX
- 12 weather buoys

During the cruise we had some technical problems :
. Test station, problem on CTD n° 813, we changed to CTD n° 802;
. Station 13, problem with the winch (free fall, finally stopped and recovered after 24 hours);
. Station 58, problem on CTD n° 802 (connectors on CTD unit), we changed to Vigo CTD unit with sensors CTD n° 802.

Stations were numbered according to the geographic position (79 stations). Most stations included several operations (profiles, in-situ pumps (ISP), corer, plankton net) called "casts" that were sequentially numbered. Operations were called geo*_xxx_yy where

* refers to the nature of the operation (h for hydrography profiles, p for clean rosette profiles, sc for the corer, i for ISP, n for plankton net)
xxx for the station number
yy for the cast number

Table below summarizes the sequence of the operations.

Station name	Station number	Operation	Code	Date	Time	Position (°)		Position (°)		Sonde
Lisbon		Departure	-	15/05/2014						
TEST	0	CTD-Hydro	-	17/05/2014	15:31	38,433 °N	10,7001 °W	38° 25,97' N	010° 42,00' W	4 860 m
TEST	0	CTD-Hydro	-	17/05/2014	19:04	38,433 °N	10,7001 °W	38° 25,97' N	010° 42,00' W	4 856 m
TEST	0	CTD-Hydro	-	17/05/2014	21:09	38,433 °N	10,7001 °W	38° 25,98' N	010° 42,00' W	4 856 m
TEST	0	TMR-Stock	geop_000_01	17/05/2014	22:29	38,433 °N	10,7000 °W	38° 25,97' N	010° 42,00' W	4 854 m
TEST	0	CTD-Hydro	geoh_000_02	18/05/2014	03:15	38,433 °N	10,7000 °W	38° 25,97' N	010° 42,00' W	4 856 m
TEST	0	ISP-Deep	geoi_000_03	18/05/2014	07:50	38,433 °N	10,7000 °W	38° 25,97' N	010° 42,00' W	4 856 m
Sp	1	CTD-Hydro	geoh_001_01	18/05/2014	21:36	40,333 °N	10,0360 °W	40° 19,99' N	010° 02,16' W	3 515 m
Sp	1	TMR-stock	geop_001_02	19/05/2014	00:55	40,333 °N	10,0360 °W	40° 19,99' N	010° 02,16' W	3 514 m
Sp	1	CTD-Biogeo-Shallow	geoh_001_03	19/05/2014	04:47	40,333 °N	10,0360 °W	40° 19,99' N	010° 02,16' W	3 515 m
Sp	1	ISP-Shallow	geoi_001_04	19/05/2014	06:00	40,333 °N	10,0360 °W	40° 19,99' N	010° 02,16' W	3 516 m
Sp	1	CTD-Pa/Th/Pb/Po	geoh_001_05	19/05/2014	10:59	40,333 °N	10,0360 °W	40° 19,99' N	010° 02,16' W	3 513 m
Sp	1	TMR-Fe-isotopes	geop_001_06	19/05/2014	14:46	40,333 °N	10,0360 °W	40° 19,99' N	010° 02,16' W	3 515 m
Sp	1	CTD-Ra+REEs	geoh_001_07	19/05/2014	17:53	40,333 °N	10,0359 °W	40° 19,99' N	010° 02,16' W	3 515 m
Sp	1	ISP-Deep	geoi_001_08	19/05/2014	22:31	40,333 °N	10,0359 °W	40° 20,00' N	010° 02,16' W	3 515 m
Sp	1	CTD-Biogeo-Remin+REEs	geoh_001_09	20/05/2014	06:45	40,333 °N	10,0359 °W	40° 20,00' N	010° 02,16' W	3 516 m
Sp	1	TMR-particulate	geop_001_010	20/05/2014	08:24	40,333 °N	10,0359 °W	40° 20,00' N	010° 02,15' W	3 515 m
Sp	1	CTD-Be	geoh_001_11	20/05/2014	12:28	40,333 °N	10,0359 °W	40° 20,00' N	010° 02,16' W	3 515 m
Sp	1	Plankton net	geon_001_12	20/05/2014	13:00	40,339 °N	10,0359 °W	40° 20,32' N	010° 02,15' W	3 486 m
Sp	1	CTD-Radionuclides	geoh_001_13	20/05/2014	14:15	40,333 °N	10,0358 °W	40° 19,99' N	010° 02,15' W	3 519 m
XL	2	CTD-Hydro++	geoh_002_01	20/05/2014	20:26	40,333 °N	09,4595 °W	40° 19,99' N	009° 27,57' W	153 m
XL	2	ISP-Bottom	geoi_002_02	20/05/2014	21:15	40,333 °N	09,4595 °W	40° 19,98' N	009° 27,57' W	154 m
XL	2	TMR-stock++	geop_002_03	21/05/2014	01:44	40,333 °N	09,4595 °W	40° 19,98' N	009° 27,57' W	152 m
XL	2	Corer	geosc_002_04	21/05/2014	02:33	40,333 °N	09,4594 °W	40° 19,98' N	009° 27,57' W	152 m
S	3	CTD-Hydro	geoh_003_1	21/05/2014	04:20	40,333 °N	09,6432 °W	40° 19,97' N	009° 38,59' W	439 m
L	4	CTD-Hydro	geoh_004_01	21/05/2014	15:50	40,333 °N	09,7664 °W	40° 20,00' N	009° 45,99' W	803 m
L	4	TMR-stock	geop_004_02	21/05/2014	17:12	40,333 °N	09,7668 °W	40° 19,99' N	009° 46,01' W	805 m
S	5	CTD-Hydro	geoh_005_1	21/05/2014	19:07	40,333 °N	09,8020 °W	40° 19,98' N	009° 48,12' W	1 344 m
S	6	CTD-Hydro	geoh_006_1	21/05/2014	21:49	40,333 °N	09,8762 °W	40° 19,99' N	009° 52,57' W	2 378 m
S	7	CTD-Hydro	geoh_007_1	22/05/2014	01:29	40,333 °N	09,9441 °W	40° 19,98' N	009° 56,64' W	3 368 m
S	8	CTD-Hydro	geoh_008_1	22/05/2014	05:29	40,333 °N	10,0358 °W	40° 19,98' N	010° 02,15' W	3 516 m
S	9	CTD-Hydro	geoh_009_1	22/05/2014	11:12	40,333 °N	10,5773 °W	40° 19,95' N	010° 34,64' W	4 345 m
	9	Fish		22/05/2014	14:48	40,334 °N	10,5906 °W	40° 20,06' N	010° 35,44' W	4 421 m
		XBT_1		22/05/2014	16:31	40,333 °N	10,9026 °W	40° 19,98' N	010° 54,15' W	4 847 m
S	10	CTD-Hydro	geoh_010_1	22/05/2014	18:49	40,333 °N	11,3401 °W	40° 19,98' N	011° 20,41' W	5 095 m
		XBT_2		23/05/2014	00:32	40,333 °N	11,7815 °W	40° 19,97' N	011° 46,89' W	5 214 m
L	11	CTD-Hydro	geoh_011_1	23/05/2014	02:53	40,332 °N	12,2193 °W	40° 19,93' N	012° 13,16' W	5 257 m
L	11	TMR-stock	geop_011_2	23/05/2014	06:37	40,333 °N	12,2190 °W	40° 19,96' N	012° 13,14' W	5 258 m
L	11	CTD-Biogeoch-Surface	geoh_011_3	23/05/2014	11:22	40,333 °N	12,2191 °W	40° 19,96' N	012° 13,14' W	5 258 m
		ARVOR_1		23/05/2014	12:07	40,334 °N	12,2189 °W	40° 20,05' N	012° 13,13' W	5 258 m
		Deep-ARVOR_1		23/05/2014	12:10	40,336 °N	12,2225 °W	40° 20,17' N	012° 13,35' W	5 260 m
		XBT_3		23/05/2014	14:39	40,546 °N	12,6399 °W	40° 32,77' N	012° 38,39' W	5 304 m
S	12	CTD-Hydro	geoh_0012_1	23/05/2014	17:40	40,787 °N	13,0999 °W	40° 47,23' N	013° 05,99' W	5 334 m
		XBT_4		24/05/2014	00:09	41,087 °N	13,4936 °W	41° 05,21' N	013° 29,61' W	5 346 m
Sp	13	CTD-Hydro	geoh_013_01	24/05/2014	03:05	41,383 °N	13,8876 °W	41° 22,97' N	013° 53,26' W	5 345 m
Sp	13	TMR-stock	geop_013_02	24/05/2014	06:50	41,383 °N	13,8877 °W	41° 22,97' N	013° 53,26' W	5 345 m
Sp	13	CTD-Biogeo-Shallow	geoh_013_03	24/05/2014	11:28	41,383 °N	13,8876 °W	41° 22,98' N	013° 53,26' W	5 347 m
Sp	13	ISP-Shallow	geoi_013_04	24/05/2014	12:30	41,383 °N	13,8876 °W	41° 22,98' N	013° 53,26' W	5 347 m
Sp	13	CTD-Pa/Th/Pb/Po	geoh_013_05	24/05/2014	17:45	41,383 °N	13,8876 °W	41° 22,97' N	013° 53,26' W	5 345 m
Sp	13	TMR-Fe-isotopes	geop_013_06	24/05/2014	22:21	41,383 °N	13,8876 °W	41° 22,98' N	013° 53,26' W	5 346 m
Sp	13	CTD-Ra+REEs	geoh_013_07	25/05/2014	02:47	41,383 °N	13,8876 °W	41° 22,97' N	013° 53,26' W	5 346 m
Sp	13	ISP-Deep + corer	geoi_013_08	25/05/2014	06:35	41,383 °N	13,8877 °W	41° 22,97' N	013° 53,26' W	5 345 m
Sp	13	CTD-Biogeo-Remin+REEs	geoh_013_09	25/05/2014	15:46	41,383 °N	13,8877 °W	41° 22,97' N	013° 53,26' W	5 345 m
Sp	13	TMR-particulate	geop_013_010	25/05/2014	17:17	41,383 °N	13,8877 °W	41° 22,97' N	013° 53,26' W	5 345 m
Sp	13	CTD-Be	geoh_013_11	25/05/2014	22:00	41,383 °N	13,8876 °W	41° 22,97' N	013° 53,26' W	5 346 m
Sp	13	Plankton net	geon_013_12	25/05/2014	22:35	41,383 °N	13,8877 °W	41° 22,97' N	013° 53,26' W	5 346 m
Sp	13	CTD-Radionuclides	geoh_013_13	25/05/2014	23:21	41,383 °N	13,8875 °W	41° 22,97' N	013° 53,25' W	5 347 m
		XBT_5		27/05/2014	13:59	41,653 °N	14,2402 °W	41° 39,15' N	014° 14,41' W	5 342 m
	14	CTD-Hydro	geoh_014_01	27/05/2014	22:37	41,983 °N	14,6725 °W	41° 58,96' N	014° 40,35' W	5 329 m
		XBT_6		28/05/2014	05:37	42,292 °N	15,0780 °W	42° 17,54' N	015° 04,68' W	5 306 m
L	15	CTD-Hydro	geoh_015_01	28/05/2014	08:29	42,581 °N	15,4611 °W	42° 34,87' N	015° 27,67' W	4 969 m
L	15	TMR-stock	geop_015_02	28/05/2014	12:25	42,581 °N	15,4611 °W	42° 34,87' N	015° 27,67' W	4 970 m
L	15	CTD-Biogeoch-Surface	geoh_015_03	28/05/2014	16:08	42,581 °N	15,4611 °W	42° 34,87' N	015° 27,67' W	4 970 m
		ARVOR_2		28/05/2014	16:46	42,581 °N	15,4636 °W	42° 34,88' N	015° 27,82' W	
		XBT_7		28/05/2014	19:31	42,878 °N	15,8463 °W	42° 52,66' N	015° 50,78' W	
S	16	CTD-Hydro	geoh_016_01	28/05/2014	23:50	43,181 °N	16,2453 °W	43° 10,89' N	016° 14,72' W	5 130 m
		XBT_8		29/05/2014	06:15	43,486 °N	16,6444 °W	43° 29,15' N	016° 38,66' W	
L	17	CTD-Hydro	geoh_017_01	29/05/2014	08:45	43,780 °N	17,0322 °W	43° 46,80' N	017° 01,93' W	4 013 m

L	17	TMR-stock	geop_017_02	29/05/2014	12:04	43,780 °N	17,0314 °W	43° 46,79' N	017° 01,88' W	4 013 m
L	17	CTD-Biogeoch-Surface	geoh_017_03	29/05/2014	15:10	43,780 °N	17,0314 °W	43° 46,79' N	017° 01,88' W	4 014 m
		XBT_9		29/05/2014	21:15	44,080 °N	17,4246 °W	44° 04,82' N	017° 25,48' W	3 779 m
S	18	CTD-Hydro	geoh_018_01	30/05/2014	03:15	44,377 °N	17,8168 °W	44° 22,60' N	017° 49,01' W	4 832 m
		XBT_10		30/05/2014	09:15	44,706 °N	18,1554 °W	44° 42,35' N	018° 09,32' W	4 904 m
L	19	CTD-Hydro	geoh_019_01	30/05/2014	11:55	45,051 °N	18,5053 °W	45° 03,03' N	018° 30,32' W	4 525 m
L	19	TMR-stock	geop_019_02	30/05/2014	15:16	45,051 °N	18,5053 °W	45° 03,03' N	018° 30,32' W	4 527 m
L	19	CTD-Biogeoch-Surface	geoh_019_03	30/05/2014	18:34	45,051 °N	18,5053 °W	45° 03,03' N	018° 30,32' W	4 536 m
		XBT_11		30/05/2014	21:42	45,423 °N	18,7966 °W	45° 25,38' N	018° 47,80' W	4 580 m
S	20	CTD-Hydro	geoh_020_01	31/05/2014	00:22	45,794 °N	19,0914 °W	45° 47,63' N	019° 05,49' W	4 525 m
		XBT_12		31/05/2014	05:53	46,181 °N	19,3898 °W	46° 10,88' N	019° 23,39' W	
		ARVOR_3		31/05/2014	07:56	46,512 °N	19,6470 °W	46° 30,70' N	019° 38,82' W	4 763 m
		Deep-ARVOR_2		31/05/2014	08:02	46,517 °N	19,6517 °W	46° 31,05' N	019° 39,10' W	4 703 m
Sp	21	CTD-Hydro	geoh_021_01	31/05/2014	08:40	46,544 °N	19,6720 °W	46° 32,65' N	019° 40,32' W	4 484 m
Sp	21	TMR-stock	geop_021_02	31/05/2014	12:02	46,544 °N	19,6720 °W	46° 32,65' N	019° 40,32' W	4 658 m
Sp	21	CTD-Biogeo-Shallow	geoh_021_03	31/05/2014	15:01	46,544 °N	19,6720 °W	46° 32,65' N	019° 40,32' W	4 610 m
Sp	21	ISP-Shallow	geoh_021_04	31/05/2014	15:52	46,544 °N	19,6720 °W	46° 32,65' N	019° 40,32' W	4 660 m
Sp	21	TMR-Hg-isotopes	geop_021_05	31/05/2014	20:22	46,544 °N	19,6720 °W	46° 32,65' N	019° 40,32' W	4 476 m
Sp	21	CTD-Pa/Th/Pb/Po	geoh_021_06	31/05/2014	22:40	46,544 °N	19,6720 °W	46° 32,65' N	019° 40,32' W	4 475 m
Sp	21	TMR-Fe-isotopes	geop_021_07	01/06/2014	01:56	46,544 °N	19,6720 °W	46° 32,65' N	019° 40,32' W	4 477 m
Sp	21	CTD-Ra+REEs	geoh_021_08	01/06/2014	05:12	46,544 °N	19,6719 °W	46° 32,64' N	019° 40,32' W	4 473 m
Sp	21	ISP-Deep + corer	geoh_021_09	01/06/2014	08:32	46,544 °N	19,6719 °W	46° 32,64' N	019° 40,32' W	4 473 m
Sp	21	CTD-Biogeo-Remin+REEs	geoh_021_10	01/06/2014	17:28	46,544 °N	19,6724 °W	46° 32,67' N	019° 40,35' W	4 468 m
Sp	21	TMR-particulate	geop_021_11	01/06/2014	18:51	46,544 °N	19,6724 °W	46° 32,67' N	019° 40,35' W	4 467 m
Sp	21	CTD-Be	geoh_021_12	01/06/2014	22:15	46,545 °N	19,6725 °W	46° 32,67' N	019° 40,35' W	4 466 m
Sp	21	Plankton net	geon_021_13	01/06/2014	22:48	46,547 °N	19,6723 °W	46° 32,80' N	019° 40,34' W	4 458 m
Sp	21	CTD-Radionuclides	geoh_021_14	01/06/2014	23:33	46,544 °N	19,6721 °W	46° 32,65' N	019° 40,33' W	4 467 m
		XBT_13		02/06/2014	05:25	46,924 °N	19,9709 °W	46° 55,41' N	019° 58,25' W	
S	22	CTD-Hydro	geoh_022_01	02/06/2014	08:16	47,290 °N	20,2619 °W	47° 17,39' N	020° 15,71' W	4 513 m
		XBT_14		02/06/2014	14:05	47,669 °N	20,5563 °W	47° 40,13' N	020° 33,38' W	
L	23	CTD-Hydro	geoh_023_01	02/06/2014	16:43	48,039 °N	20,8474 °W	48° 02,35' N	020° 50,84' W	4 456 m
L	23	TMR-stock	geop_023_02	02/06/2014	20:05	48,039 °N	20,8476 °W	48° 02,34' N	020° 50,85' W	4 456 m
L	23	CTD-Biogeoch-Surface	geoh_023_03	02/06/2014	23:11	48,039 °N	20,8476 °W	48° 02,34' N	020° 50,85' W	4 455 m
L	23	Plankton net	geon_023_03	02/06/2014	23:50	48,042 °N	20,8471 °W	48° 02,50' N	020° 50,83' W	4 456 m
		ARVOR_4		02/06/2014	23:52	48,042 °N	20,8493 °W	48° 02,53' N	020° 50,96' W	4 455 m
		XBT_15		03/06/2014	02:48	48,415 °N	21,1409 °W	48° 24,90' N	021° 08,45' W	4 345 m
S	24	CTD-Hydro	geoh_024_01	03/06/2014	05:44	48,785 °N	21,4323 °W	48° 47,13' N	021° 25,94' W	4 075 m
		XBT_16		03/06/2014	11:54	49,156 °N	21,7234 °W	49° 09,37' N	021° 43,40' W	4 343 m
L	25	CTD-Hydro	geoh_024_01	03/06/2014	15:18	49,529 °N	22,0173 °W	49° 31,75' N	022° 01,04' W	4 164 m
L	25	TMR-stock	geop_024_02	03/06/2014	18:22	49,529 °N	22,0172 °W	49° 31,75' N	022° 01,03' W	4 167 m
L	25	CTD-Biogeoch-Shallow	geoh_024_03	03/06/2014	21:30	49,529 °N	22,0172 °W	49° 31,74' N	022° 01,03' W	4 163 m
		XBT_17		04/06/2014	00:53	49,897 °N	22,3039 °W	49° 53,85' N	022° 18,24' W	4 002 m
XL	26	CTD-Hydro	geoh_026_01	04/06/2014	03:48	50,278 °N	22,6022 °W	50° 16,65' N	022° 36,13' W	4 142 m
XL	26	TMR-stock	geop_026_02	04/06/2014	06:47	50,278 °N	22,6046 °W	50° 16,67' N	022° 36,28' W	4 143 m
XL	26	CTD-Pa/Th/Pb/Po/Be/Art. Radio	geoh_026_03	04/06/2014	09:46	50,278 °N	22,6046 °W	50° 16,67' N	022° 36,28' W	4 142 m
XL	26	ISP	geoh_026_04	04/06/2014	13:00	50,278 °N	22,6046 °W	50° 16,67' N	022° 36,27' W	4 108 m
XL	26	CTD-Ra+REEs+Th+Ba	geoh_026_05	04/06/2014	21:13	50,278 °N	22,6049 °W	50° 16,67' N	022° 36,29' W	4 143 m
XL	26	TMR-Fe-isotopes	geop_026_06	04/06/2014	22:19	50,278 °N	22,6049 °W	50° 16,67' N	022° 36,29' W	4 143 m
XL	26	CTD-Biogeoch-Shallow	geoh_026_07	05/06/2014	01:07	50,278 °N	22,6049 °W	50° 16,67' N	022° 36,30' W	4 142 m
		ARVOR_5		05/06/2014	01:43	50,279 °N	22,5994 °W	50° 16,75' N	022° 35,96' W	4 141 m
		XBT_18		05/06/2014	04:06	50,648 °N	22,9037 °W	50° 38,90' N	022° 54,22' W	3 751 m
S	27	CTD-Hydro	geoh_027_01	05/06/2014	07:06	51,030 °N	23,1907 °W	51° 01,78' N	023° 11,44' W	3 943 m
		XBT_19		05/06/2014	13:29	51,530 °N	23,5835 °W	51° 31,78' N	023° 35,01' W	3 662 m
S	28	CTD-Hydro	geoh_028_01	05/06/2014	16:56	52,025 °N	23,9731 °W	52° 01,48' N	023° 58,39' W	3 881 m
		XBT_20		05/06/2014	23:20	52,527 °N	24,3666 °W	52° 31,63' N	024° 21,99' W	3 626 m
L	29	CTD-Hydro	geoh_029_01	06/06/2014	02:54	53,019 °N	24,7517 °W	53° 01,12' N	024° 45,10' W	3 556 m
L	29	TMR-stock	geop_029_02	06/06/2014	05:36	53,020 °N	24,7520 °W	53° 01,20' N	024° 45,12' W	3 556 m
L	29	CTD-Biogeoch-Shallow	geoh_029_03	06/06/2014	08:05	53,020 °N	24,7521 °W	53° 01,20' N	024° 45,12' W	3 556 m
		PROVOR-DO_1		06/06/2014	08:40	53,023 °N	24,7518 °W	53° 01,38' N	024° 45,11' W	3 559 m
		SVP_1		06/06/2014	08:42	53,025 °N	24,7528 °W	53° 01,50' N	024° 45,17' W	3 557 m
		XBT_21		06/06/2014	12:27	53,511 °N	25,1429 °W	53° 30,68' N	025° 08,57' W	3 587 m
S	30	CTD-Hydro	geoh_030_01	06/06/2014	16:32	54,015 °N	25,5329 °W	54° 00,88' N	025° 31,97' W	3 068 m
		ARVOR_6		06/06/2014	18:55	54,017 °N	25,5282 °W	54° 01,02' N	025° 31,69' W	
		XBT_22		06/06/2014	22:24	54,382 °N	25,8360 °W	54° 22,90' N	025° 50,16' W	
S	31	CTD-Hydro	geoh_031_01	07/06/2014	04:31	54,761 °N	26,1222 °W	54° 45,65' N	026° 07,33' W	3 621 m
		XBT_23		07/06/2014	10:31	55,146 °N	26,4246 °W	55° 08,79' N	026° 25,48' W	
Sp	32	CTD-Hydro	geoh_032_01	07/06/2014	13:41	55,505 °N	26,7106 °W	55° 30,32' N	026° 42,64' W	3 236 m
Sp	32	TMR-stock	geop_032_02	07/06/2014	16:11	55,506 °N	26,7103 °W	55° 30,33' N	026° 42,62' W	3 235 m
Sp	32	CTD-Radionuclides	geoh_032_03	07/06/2014	18:32	55,506 °N	26,7102 °W	55° 30,33' N	026° 42,61' W	3 235 m
Sp	32	ISP-Shallow	geoh_032_04	07/06/2014	20:57	55,506 °N	26,7103 °W	55° 30,34' N	026° 42,62' W	3 235 m
Sp	32	CTD-Pa/Th/Pb/Po	geoh_032_05	08/06/2014	01:57	55,506 °N	26,7103 °W	55° 30,34' N	026° 42,62' W	3 235 m
Sp	32	TMR-Fe-isotopes	geop_032_06	08/06/2014	04:32	55,506 °N	26,7103 °W	55° 30,34' N	026° 42,62' W	3 235 m
Sp	32	CTD-Ra+REEs	geoh_032_07	08/06/2014	06:49	55,506 °N	26,7103 °W	55° 30,34' N	026° 42,62' W	3 235 m

Sp	32	ISP-Deep	geoh_032_08	08/06/2014	09:25	55,506 °N	26,7104 °W	55° 30,34' N	026° 42,62' W	3 289 m
Sp	32	CTD-Ac-Bottom	geoh_032_09	08/06/2014	16:34	55,515 °N	26,7029 °W	55° 30,90' N	026° 42,18' W	3 234 m
Sp	32	CTD-Biogeo-Remin+REEs	geoh_032_10	08/06/2014	19:23	55,515 °N	26,7030 °W	55° 30,90' N	026° 42,18' W	3 234 m
Sp	32	TMR-particulate	geop_032_11	08/06/2014	20:32	55,515 °N	26,7030 °W	55° 30,90' N	026° 42,18' W	3 234 m
Sp	32	CTD-Be	geoh_032_12	08/06/2014	22:42	55,515 °N	26,7029 °W	55° 30,90' N	026° 42,17' W	3 234 m
Sp	32	Plankton net	geon_032_13	08/06/2014	23:04	55,515 °N	26,7029 °W	55° 30,90' N	026° 42,18' W	3 234 m
Sp	32	CTD-Ac-Bottom200/400m	geoh_032_14	08/06/2014	23:53	55,515 °N	26,7037 °W	55° 30,89' N	026° 42,22' W	3 234 m
Sp	32	CTD-Biogeo-Shallow	geoh_032_15	09/06/2014	02:32	55,515 °N	26,7036 °W	55° 30,89' N	026° 42,21' W	3 234 m
		SVP_2		09/06/2014	03:10	55,516 °N	26,7050 °W	55° 30,95' N	026° 42,30' W	3 235 m
		PROVBIO_1		09/06/2014	03:15	55,522 °N	26,7101 °W	55° 31,30' N	026° 42,61' W	3 218 m
		XBT_24		09/06/2014	05:36	55,885 °N	27,0024 °W	55° 53,08' N	027° 00,14' W	2 877 m
S	33	CTD-Hydro	geoh_033_01	09/06/2014	08:09	56,252 °N	27,2925 °W	56° 15,12' N	027° 17,55' W	2 740 m
		PROVOR-DO		09/06/2014	10:31	56,255 °N	27,2943 °W	56° 15,29' N	027° 17,66' W	2 741 m
		XBT_25		09/06/2014	12:48	56,619 °N	27,5752 °W	56° 37,15' N	027° 34,51' W	2 727 m
L	34	CTD-Hydro	geoh_034_01	09/06/2014	15:18	57,004 °N	27,8785 °W	57° 00,23' N	027° 52,71' W	2 779 m
L	34	TMR-stock	geop_034_02	09/06/2014	17:27	57,004 °N	27,8785 °W	57° 00,23' N	027° 52,71' W	2 751 m
L	34	CTD-Biogeoch-Surface	geoh_034_03	09/06/2014	19:32	57,004 °N	27,8786 °W	57° 00,23' N	027° 52,71' W	2 751 m
		SVP_3		09/06/2014	20:08	57,005 °N	27,8779 °W	57° 00,29' N	027° 52,67' W	2 752 m
		ARVOR_7		09/06/2014	20:10	57,008 °N	27,8786 °W	57° 00,45' N	027° 52,72' W	2 757 m
		XBT_26		09/06/2014	22:47	57,376 °N	28,3506 °W	57° 22,57' N	028° 21,03' W	2 578 m
S	35	CTD-Hydro	geoh_035_01	10/06/2014	01:01	57,675 °N	28,7299 °W	57° 40,49' N	028° 43,79' W	
		XBT_27						00° 00,00' N	000° 00,00' W	
L	36	CTD-Hydro	geoh_036_01	10/06/2014	07:30	58,207 °N	29,7247 °W	58° 12,43' N	029° 43,48' W	2 224 m
L	36	TMR-stock	geop_036_02	10/06/2014	09:28	58,207 °N	29,7247 °W	58° 12,44' N	029° 43,48' W	2 224 m
L	36	CTD-Biogeoch-Shallow	geoh_036_03	10/06/2014	10:53	58,207 °N	29,7247 °W	58° 12,44' N	029° 43,48' W	2 224 m
		ARVOR E-AIMS double DO 1		10/06/2014	11:30	58,212 °N	29,7298 °W	58° 12,69' N	029° 43,79' W	2 324 m
		XBT_28		10/06/2014	13:06	58,406 °N	30,0948 °W	58° 24,34' N	030° 05,69' W	2 155 m
S	37	CTD-Hydro	geoh_037_01	10/06/2014	13:06	58,406 °N	30,0948 °W	58° 24,34' N	030° 05,69' W	2 155 m
		SVP_4		10/06/2014	16:02	58,551 °N	30,3611 °W	58° 33,05' N	030° 21,67' W	
		XBT_29		10/06/2014	17:31	58,684 °N	30,7656 °W	58° 41,04' N	030° 45,94' W	
Sp	38	CTD-Hydro	geoh_038_01	10/06/2014	19:24	58,843 °N	31,2688 °W	58° 50,56' N	031° 16,13' W	
Sp	38	TMR-stock+particulate	geop_038_02	10/06/2014	20:48	58,843 °N	31,2660 °W	58° 50,56' N	031° 15,96' W	1 341 m
Sp	38	CTD-Radionuclides+REEs	geoh_038_03	10/06/2014	22:00	58,843 °N	31,2659 °W	58° 50,56' N	031° 15,96' W	1 341 m
Sp	38	ISP	geoh_038_04	10/06/2014	23:06	58,843 °N	31,2660 °W	58° 50,56' N	031° 15,96' W	1 341 m
Sp	38	CTD-Pa/Th/Pb/Po+Ac	geoh_038_05	11/06/2014	06:10	58,843 °N	31,2660 °W	58° 50,56' N	031° 15,96' W	1 341 m
Sp	38	TMR-Hg-isotopes	geop_038_06	11/06/2014	07:35	58,843 °N	31,2661 °W	58° 50,56' N	031° 15,96' W	1 341 m
Sp	38	CTD-Ac-Bottom_1	geoh_038_07	11/06/2014	08:49	58,843 °N	31,2661 °W	58° 50,56' N	031° 15,97' W	
Sp	38	CTD-Ac-Bottom_2	geoh_038_08	11/06/2014	10:21	58,843 °N	31,2661 °W	58° 50,57' N	031° 15,97' W	1 340 m
Sp	38	CTD-Ra+Ac	geoh_038_09	11/06/2014	11:48	58,843 °N	31,2661 °W	58° 50,57' N	031° 15,97' W	1 340 m
Sp	38	Corer	geosc_038_10	11/06/2014	13:09	58,843 °N	31,2661 °W	58° 50,57' N	031° 15,97' W	
Sp	38	CTD-Biogeo-Remin+REEs	geoh_038_11	11/06/2014	14:11	58,843 °N	31,2661 °W	58° 50,57' N	031° 15,97' W	1 340 m
Sp	38	TMR-Fe-isotopes	geop_038_12	11/06/2014	15:22	58,843 °N	31,2661 °W	58° 50,56' N	031° 15,97' W	1 340 m
Sp	38	CTD-Be	geoh_038_13	11/06/2014	16:43	58,843 °N	31,2661 °W	58° 50,57' N	031° 15,97' W	1 341 m
Sp	38	Plankton net	geon_038_14	11/06/2014	17:15	58,843 °N	31,2661 °W	58° 50,57' N	031° 15,97' W	1 341 m
Sp	38	CTD-Biogeo-Shallow	geoh_038_15	11/06/2014	18:05	58,860 °N	31,2726 °W	58° 51,60' N	031° 16,36' W	
		XBT_30		11/06/2014	20:20	58,905 °N	31,8416 °W	58° 54,31' N	031° 50,50' W	
S	39	CTD-Hydro	geoh_039_01	11/06/2014	22:47	58,975 °N	32,5593 °W	58° 58,49' N	032° 33,56' W	1 968 m
		SVP_SAL		12/06/2014	00:33	58,973 °N	32,5555 °W	58° 58,40' N	032° 33,33' W	1 851 m
		APEX_1		12/06/2014	00:45	58,983 °N	32,5553 °W	58° 59,01' N	032° 33,32' W	
		XBT_31		12/06/2014	02:34	59,043 °N	33,1928 °W	59° 02,57' N	033° 11,57' W	2 282 m
L	40	CTD-Hydro	geoh_040_01	12/06/2014	04:53	59,102 °N	33,8280 °W	59° 06,12' N	033° 49,68' W	2 281 m
L	40	TMR-stock	geop_040_02	12/06/2014	07:04	59,102 °N	33,8280 °W	59° 06,13' N	033° 49,68' W	2 282 m
L	40	CTD-Biogeoch-Surface	geoh_040_03	12/06/2014	09:00	59,102 °N	33,8289 °W	59° 06,11' N	033° 49,73' W	2 283 m
		APEX-DO		12/06/2014	09:33	59,102 °N	33,8304 °W	59° 06,15' N	033° 49,82' W	2 284 m
		XBT_32		12/06/2014	11:43	59,171 °N	34,4906 °W	59° 10,24' N	034° 29,44' W	2 608 m
S	41	CTD-Hydro	geoh_041_1	12/06/2014	14:03	59,234 °N	35,1232 °W	59° 14,05' N	035° 07,39' W	
		XBT_33		12/06/2014	18:26	59,302 °N	35,7837 °W	59° 18,14' N	035° 47,02' W	
L	42	CTD-Hydro	geoh_042_1	12/06/2014	20:24	59,363 °N	36,3987 °W	59° 21,77' N	036° 23,92' W	3 095 m
L	42	TMR-stock	geop_042_2	12/06/2014	22:58	59,363 °N	36,3964 °W	59° 21,79' N	036° 23,78' W	
L	42	CTD-Biogeoch-Surface	geoh_042_3	13/06/2014	01:17	59,363 °N	36,3963 °W	59° 21,79' N	036° 23,78' W	3 093 m
		XBT_34		13/06/2014	03:45	59,430 °N	37,0416 °W	59° 25,79' N	037° 02,49' W	3 116 m
S	43	CTD-Hydro	geoh_0043_1	13/06/2014	06:02	59,491 °N	37,6805 °W	59° 29,48' N	037° 40,83' W	3 111 m
		SVP_5		13/06/2014	08:39	59,493 °N	37,6848 °W	59° 29,59' N	037° 41,09' W	4 510 m
		XBT_35		13/06/2014	10:38	59,557 °N	38,3122 °W	59° 33,39' N	038° 18,73' W	3 042 m
Sp	44	CTD-Hydro	geoh_044_01	13/06/2014	13:08	59,623 °N	38,9539 °W	59° 37,38' N	038° 57,23' W	2 928 m
Sp	44	TMR-stock	geop_044_02	13/06/2014	15:35	59,623 °N	38,9541 °W	59° 37,38' N	038° 57,24' W	2 928 m
Sp	44	CTD-Biogeo-Shallow	geoh_044_03	13/06/2014	17:57	59,623 °N	38,9537 °W	59° 37,36' N	038° 57,22' W	2 930 m
Sp	44	ISP-Shallow	geoi_044_04	13/06/2014	18:50	59,623 °N	38,9538 °W	59° 37,36' N	038° 57,23' W	3 058 m
Sp	44	CTD-Pa/Th/Pb/Po	geoh_044_05	13/06/2014	23:39	59,623 °N	38,9539 °W	59° 37,37' N	038° 57,23' W	2 929 m
Sp	44	TMR-Fe-isotopes	geop_044_06	14/06/2014	02:00	59,623 °N	38,9539 °W	59° 37,36' N	038° 57,23' W	2 929 m
Sp	44	CTD-Ra+REEs	geoh_044_07	14/06/2014	04:07	59,623 °N	38,9539 °W	59° 37,36' N	038° 57,23' W	2 929 m
Sp	44	ISP-Deep + corer	geoi_044_08	14/06/2014	06:30	59,623 °N	38,9540 °W	59° 37,36' N	038° 57,24' W	2 930 m
Sp	44	CTD-Biogeo-Remin+REEs	geoh_044_09	14/06/2014	13:23	59,623 °N	38,9540 °W	59° 37,36' N	038° 57,24' W	2 928 m

Sp	44	TMR-particulate	geop_044_010	14/06/2014	14:44	59,623 °N	38,9541 °W	59° 37,36' N	038° 57,24' W	2 928 m
Sp	44	CTD-Be	geoh_044_11	14/06/2014	17:02	59,623 °N	38,9540 °W	59° 37,36' N	038° 57,24' W	2 929 m
Sp	44	Plankton net	geon_044_12	14/06/2014	17:40	59,625 °N	38,9586 °W	59° 37,53' N	038° 57,52' W	
Sp	44	CTD-Radionuclides	geoh_044_44	14/06/2014	18:24	59,637 °N	38,9828 °W	59° 38,20' N	038° 58,97' W	2 921 m
S	45	CTD-Hydro	geoh_045_1	15/06/2014	01:05	59,491 °N	37,6818 °W	59° 29,46' N	037° 40,91' W	3 110 m
S	46	CTD-Hydro	geoh_046_1	15/06/2014	07:40	59,624 °N	38,9577 °W	59° 37,41' N	038° 57,46' W	2 929 m
		PROVBIO_2		15/06/2014	10:13	59,626 °N	38,9587 °W	59° 37,54' N	038° 57,52' W	2 928 m
		XBT_36		15/06/2014	12:15	59,674 °N	39,5902 °W	59° 40,46' N	039° 35,41' W	
S	47	CTD-Hydro	geoh_047_1	15/06/2014	14:28	59,722 °N	40,2529 °W	59° 43,34' N	040° 15,17' W	2 659 m
S	48	CTD-Hydro	geoh_048_1	15/06/2014	18:43	59,758 °N	40,9054 °W	59° 45,46' N	040° 54,33' W	2 274 m
L	49	CTD-Hydro	geoh_049_1	15/06/2014	22:14	59,773 °N	41,2969 °W	59° 46,36' N	041° 17,81' W	2 039 m
L	49	TMR-stock	geop_049_2	16/06/2014	00:07	59,773 °N	41,2969 °W	59° 46,37' N	041° 17,81' W	2 039 m
L	49	CTD-Biogeoch-Surface	geoh_049_3	16/06/2014	01:48	59,773 °N	41,2969 °W	59° 46,37' N	041° 17,82' W	2 037 m
S	50	CTD-Hydro	geoh_050_1	16/06/2014	03:56	59,795 °N	41,7303 °W	59° 47,67' N	041° 43,82' W	1 844 m
S	51	CTD-Hydro	geoh_051_1	16/06/2014	06:43	59,799 °N	42,0029 °W	59° 47,94' N	042° 00,18' W	1 722 m
S	51	ISP-Bottom	geoh_051_2	16/06/2014	08:24	59,799 °N	42,0028 °W	59° 47,94' N	042° 00,17' W	1 722 m
S	52	CTD-Hydro	geoh_052_1	16/06/2014	14:44	59,808 °N	42,2379 °W	59° 48,50' N	042° 14,28' W	
XL	53	CTD-Hydro++	geoh_053_01	16/06/2014	19:22	59,902 °N	43,0151 °W	59° 54,09' N	043° 00,91' W	170 m
XL	53	ISP-Bottom	geoh_053_02	16/06/2014	20:15	59,901 °N	43,0056 °W	59° 54,06' N	043° 00,34' W	174 m
XL	53	TMR-stock++	geop_053_03	17/06/2014	00:34	59,899 °N	43,0029 °W	59° 53,95' N	043° 00,17' W	179 m
XL	53	Corer	geosc_053_04	17/06/2014	00:59	59,895 °N	43,0102 °W	59° 53,70' N	043° 00,61' W	175 m
XL	53	CTD-isotopes	geoh_053_05	17/06/2014	01:35	59,892 °N	42,9974 °W	59° 53,49' N	042° 59,84' W	191 m
S	54	CTD-Hydro	geoh_054_1	17/06/2014	03:04	59,871 °N	42,8135 °W	59° 52,28' N	042° 48,81' W	191 m
S	55	CTD-Hydro	geoh_055_1	17/06/2014	04:40	59,831 °N	42,5198 °W	59° 49,85' N	042° 31,19' W	227 m
L	56	CTD-Hydro	geoh_056_1	17/06/2014	05:55	59,823 °N	42,3989 °W	59° 49,35' N	042° 23,94' W	305 m
L	56	TMR-stock	geop_056_2	17/06/2014	06:46	59,823 °N	42,3990 °W	59° 49,35' N	042° 23,94' W	306 m
L	56	Corer	geosc_056_3	17/06/2014	07:31	59,823 °N	42,3989 °W	59° 49,35' N	042° 23,94' W	306 m
S	57	CTD-Hydro	geoh_057_1	17/06/2014	08:35	59,818 °N	42,3135 °W	59° 49,05' N	042° 18,81' W	528 m
S	58	CTD-Hydro	geoh_058_1	17/06/2014	10:00	59,816 °N	42,2760 °W	59° 48,93' N	042° 16,56' W	
S	59	CTD-Hydro/TMR	geop_059_1	17/06/2014	18:15	59,809 °N	42,2372 °W	59° 48,54' N	042° 14,23' W	1 180 m
		SVP_SAL_2		17/06/2014	19:18	59,803 °N	42,2326 °W	59° 48,21' N	042° 13,96' W	
Sp	60	Corer	geosc_060_01	17/06/2014	20:48	59,799 °N	42,0030 °W	59° 47,96' N	042° 00,18' W	1 722 m
Sp	60	TMR-stock+particulate	geop_060_02	17/06/2014	22:11	59,799 °N	42,0030 °W	59° 47,95' N	042° 00,18' W	1 723 m
Sp	60	CTD-Hydro+Ra	geoh_060_03	17/06/2014	23:53	59,799 °N	42,0138 °W	59° 47,96' N	042° 00,83' W	1 723 m
Sp	60	ISP-shallow	geoi_060_04	18/06/2014	01:30	59,799 °N	42,0134 °W	59° 47,96' N	042° 00,80' W	1 723 m
Sp	60	CTD-Biogeo-shallow	geoh_060_05	18/06/2014	03:54	59,799 °N	42,0130 °W	59° 47,96' N	042° 00,78' W	1 722 m
Sp	60	CTD-Pa/Th/Pb/Po+Ra+REEs	geop_060_06	18/06/2014	05:25	59,799 °N	42,0130 °W	59° 47,96' N	042° 00,78' W	1 721 m
Sp	60	CTD-Biogeo-Remin+REEs	geoi_060_08	18/06/2014	08:17	59,799 °N	42,0131 °W	59° 47,96' N	042° 00,78' W	1 722 m
Sp	60	TMR-Fe-isotopes	geop_060_09	18/06/2014	09:24	59,799 °N	42,0131 °W	59° 47,96' N	042° 00,79' W	1 722 m
Sp	60	CTD-Be	geop_060_010	18/06/2014	10:43	59,799 °N	42,0182 °W	59° 47,95' N	042° 01,09' W	1 722 m
Sp	60	Plankton net	geon_060_11	18/06/2014	11:15	59,799 °N	42,0182 °W	59° 47,95' N	042° 01,09' W	1 722 m
Sp	60	CTD-Radionuclides+REEs	geon_060_12	18/06/2014	12:07	59,799 °N	41,9826 °W	59° 47,95' N	041° 58,95' W	1 725 m
XL	61	CTD-Hydro++	geoh_061_01	18/06/2014	23:37	59,753 °N	45,1122 °W	59° 45,21' N	045° 06,73' W	148 m
XL	61	ISP-Bottom	geoh_061_02	19/06/2014	00:14	59,753 °N	45,1123 °W	59° 45,21' N	045° 06,74' W	148 m
XL	61	TMR-stock++	geop_061_03	19/06/2014	03:37	59,753 °N	45,1123 °W	59° 45,21' N	045° 06,74' W	148 m
XL	61	Corer	geosc_061_04	19/06/2014	04:20	59,753 °N	45,1122 °W	59° 45,21' N	045° 06,73' W	
XL	61	CTD-isotopes	geoh_061_05	19/06/2014	04:43	59,753 °N	45,1122 °W	59° 45,21' N	045° 06,73' W	147 m
		XBT_37		19/06/2014	06:02	59,676 °N	45,2778 °W	59° 40,57' N	045° 16,67' W	
		XBT_38		19/06/2014	07:00	59,562 °N	45,5071 °W	59° 33,71' N	045° 30,42' W	
		XBT_39		19/06/2014	07:28	59,511 °N	45,5994 °W	59° 30,65' N	045° 35,96' W	
S	62	CTD-Hydro	geoh_062_1	19/06/2014	07:44	59,502 °N	45,6198 °W	59° 30,12' N	045° 37,19' W	495 m
		XBT_40		19/06/2014	08:52	59,461 °N	45,6468 °W	59° 27,65' N	045° 38,81' W	
L	63	CTD-Hydro	geoh_063_1	19/06/2014	09:25	59,434 °N	45,6665 °W	59° 26,04' N	045° 39,99' W	
L	63	TMR-stock	geop_063_2	19/06/2014	11:03	59,434 °N	45,6665 °W	59° 26,06' N	045° 39,99' W	
L	63	CTD-Biogeoch-Surface	geoh_063_3	19/06/2014	12:20	59,434 °N	45,6880 °W	59° 26,06' N	045° 41,28' W	1 563 m
		XBT_41		19/06/2014	13:11	59,394 °N	45,7374 °W	59° 23,63' N	045° 44,24' W	1 950 m
Sp	64	CTD-Hydro	geoh_064_01	19/06/2014	15:41	59,068 °N	46,0831 °W	59° 04,07' N	046° 04,99' W	
Sp	64	Corer	geosc_064_02	19/06/2014	17:52	59,068 °N	46,0830 °W	59° 04,07' N	046° 04,98' W	
Sp	64	CTD-Biogeo-Shallow	geoh_064_03	19/06/2014	19:28	59,068 °N	46,0831 °W	59° 04,07' N	046° 04,98' W	2 475 m
Sp	64	ISP-Shallow	geoi_064_04	19/06/2014	20:05	59,068 °N	46,0830 °W	59° 04,06' N	046° 04,98' W	2 475 m
Sp	64	CTD-Pa/Th/Pb/Po	geoh_064_05	20/06/2014	00:59	59,068 °N	46,0831 °W	59° 04,06' N	046° 04,99' W	
Sp	64	TMR-Fe-isotopes	geop_064_06	20/06/2014	03:05	59,068 °N	46,0831 °W	59° 04,06' N	046° 04,99' W	
Sp	64	CTD-Ra+REEs	geoh_064_07	20/06/2014	04:50	59,068 °N	46,0831 °W	59° 04,06' N	046° 04,99' W	
Sp	64	ISP-Deep	geoi_064_08	20/06/2014	06:57	59,068 °N	46,0832 °W	59° 04,07' N	046° 04,99' W	
Sp	64	CTD-Biogeo-Remin+REEs	geoh_064_09	20/06/2014	13:20	59,068 °N	46,0832 °W	59° 04,06' N	046° 04,99' W	
Sp	64	TMR-stock+particulate	geop_064_010	20/06/2014	14:30	59,068 °N	46,0832 °W	59° 04,06' N	046° 04,99' W	2 475 m
Sp	64	CTD-Radionuclides	geoh_064_11	20/06/2014	16:22	59,072 °N	46,0888 °W	59° 04,33' N	046° 05,33' W	
Sp	64	Plankton net	geon_064_12	20/06/2014	18:30	59,077 °N	46,0871 °W	59° 04,62' N	046° 05,23' W	2 471 m
		XBT_42		20/06/2014	21:08	58,820 °N	46,2354 °W	58° 49,23' N	046° 14,12' W	
S	65	CTD-Hydro	geoh_065_1	20/06/2014	22:46	58,583 °N	46,3860 °W	58° 34,98' N	046° 23,16' W	2 548 m
		XBT_43		21/06/2014	02:37	58,302 °N	46,5651 °W	58° 18,13' N	046° 33,91' W	2 962 m
S	66	CTD-Hydro	geoh_066_1	21/06/2014	04:52	57,992 °N	46,7531 °W	57° 59,52' N	046° 45,19' W	3 106 m
		SVP_6		21/06/2014	07:20	57,992 °N	46,7524 °W	57° 59,51' N	046° 45,14' W	3 105 m

S	67	CTD-Hydro	geoh_067_1	21/06/2014	09:56	57,577 °N	47,0122 °W	57° 34,63' N	047° 00,73' W	2 897 m
L	68	CTD-Hydro	geoh_068_1	21/06/2014	16:11	56,917 °N	47,4231 °W	56° 55,02' N	047° 25,38' W	3 587 m
L	68	TMR-stock	geop_068_2	21/06/2014	18:56	56,913 °N	47,4191 °W	56° 54,79' N	047° 25,14' W	3 586 m
L	68	CTD-Biogeoch-Surface	geoh_068_3	21/06/2014	21:35	56,913 °N	47,4190 °W	56° 54,79' N	047° 25,14' W	3 585 m
		XBT_44		22/06/2014	01:14	56,378 °N	47,7631 °W	56° 22,71' N	047° 45,78' W	
Sp	69	CTD-Hydro	geoh_069_01	22/06/2014	04:42	55,842 °N	48,0931 °W	55° 50,51' N	048° 05,59' W	3 692 m
Sp	69	TMR-stock	geop_069_02	22/06/2014	07:34	55,842 °N	48,0931 °W	55° 50,50' N	048° 05,59' W	
Sp	69	CTD-Biogeo-Shallow	geoh_069_03	22/06/2014	10:27	55,842 °N	48,0931 °W	55° 50,50' N	048° 05,59' W	
Sp	69	ISP-Shallow	geoi_069_04	22/06/2014	11:04	55,842 °N	48,0931 °W	55° 50,50' N	048° 05,59' W	3 692 m
Sp	69	CTD-Pa/Th/Pb/Po	geoh_069_05	22/06/2014	15:38	55,842 °N	48,0931 °W	55° 50,51' N	048° 05,59' W	3 692 m
Sp	69	TMR-Fe-isotopes	geop_069_06	22/06/2014	18:37	55,842 °N	48,0933 °W	55° 50,49' N	048° 05,60' W	
Sp	69	CTD-Ra+REEs	geoh_069_07	22/06/2014	21:37	55,841 °N	48,0935 °W	55° 50,47' N	048° 05,61' W	
Sp	69	ISP-Deep+corer	geoi_069_08	23/06/2014	00:20	55,841 °N	48,0934 °W	55° 50,47' N	048° 05,60' W	3 692 m
Sp	69	CTD-Biogeo-Remin+REEs	geoh_069_09	23/06/2014	08:05	55,841 °N	48,0933 °W	55° 50,47' N	048° 05,60' W	3 692 m
Sp	69	TMR-particulate	geop_069_010	23/06/2014	09:28	55,841 °N	48,0935 °W	55° 50,47' N	048° 05,61' W	3 692 m
Sp	69	CTD-Be	geoh_069_11	23/06/2014	12:08	55,840 °N	48,0932 °W	55° 50,38' N	048° 05,59' W	3 687 m
Sp	69	Plankton net	geon_069_12	23/06/2014	12:30	55,839 °N	48,0931 °W	55° 50,37' N	048° 05,59' W	3 686 m
Sp	69	CTD-Radionuclides	geon_069_13	23/06/2014	13:51	55,841 °N	48,0928 °W	55° 50,48' N	048° 05,57' W	3 692 m
Sp	69	CTD-REEs	geon_069_14	23/06/2014	17:10	55,841 °N	48,0929 °W	55° 50,48' N	048° 05,57' W	3 692 m
		SVP_7		23/06/2014	19:55	55,840 °N	48,0939 °W	55° 50,42' N	048° 05,63' W	3 690 m
		XBT_45		23/06/2014	22:58	55,301 °N	48,4294 °W	55° 18,08' N	048° 25,77' W	
S	70	CTD-Hydro	geoh_070_1	24/06/2014	02:13	54,767 °N	48,7628 °W	54° 46,05' N	048° 45,77' W	3 718 m
		XBT_46		24/06/2014	08:18	54,227 °N	49,0964 °W	54° 13,60' N	049° 05,79' W	3 751 m
L	71	CTD-Hydro	geoh_071_1	24/06/2014	11:56	53,692 °N	49,4333 °W	53° 41,52' N	049° 26,00' W	3 700 m
L	71	TMR-stock	geop_071_2	24/06/2014	14:52	53,692 °N	49,4333 °W	53° 41,51' N	049° 26,00' W	3 700 m
L	71	CTD-Biogeoch-Surface	geoh_071_3	24/06/2014	17:14	53,692 °N	49,4333 °W	53° 41,52' N	049° 26,00' W	3 700 m
		ARVOR_8		24/06/2014	17:50	53,692 °N	49,4350 °W	53° 41,52' N	049° 26,10' W	3 701 m
		XBT_47		24/06/2014	21:00	53,418 °N	50,1488 °W	53° 25,10' N	050° 08,93' W	3 485 m
S	72	CTD-Hydro	geoh_072_01	25/06/2014	00:34	53,142 °N	50,8623 °W	53° 08,51' N	050° 51,74' W	2 866 m
		SVP_8		25/06/2014	02:51	53,138 °N	50,8401 °W	53° 08,30' N	050° 50,40' W	2 904 m
		XBT_48		25/06/2014	04:13	53,035 °N	51,1171 °W	53° 02,08' N	051° 07,02' W	2 530 m
S	73	CTD-Hydro	geoh_073_01	25/06/2014	05:41	52,933 °N	51,3915 °W	52° 56,00' N	051° 23,49' W	2 055 m
		XBT_49		25/06/2014	08:01	52,895 °N	51,4911 °W	52° 53,67' N	051° 29,46' W	
S	74	CTD-Hydro	geoh_074_01	25/06/2014	08:42	52,852 °N	51,5960 °W	52° 51,10' N	051° 35,76' W	1 254 m
		XBT_50		25/06/2014	10:21	52,823 °N	51,6690 °W	52° 49,37' N	051° 40,14' W	930 m
S	75	CTD-Hydro	geoh_075_01	25/06/2014	11:02	52,786 °N	51,7604 °W	52° 47,16' N	051° 45,63' W	480 m
		XBT_51		25/06/2014	13:17	52,641 °N	52,1407 °W	52° 38,49' N	052° 08,44' W	299 m
S	76	CTD-Hydro	geoh_076_01	25/06/2014	14:58	52,500 °N	52,5001 °W	52° 30,02' N	052° 30,01' W	264 m
Sp	77	CTD-Hydro	geoh_077_01	25/06/2014	21:22	53,000 °N	51,1000 °W	52° 59,98' N	051° 06,00' W	2 487 m
Sp	77	TMR-stock+particulate	geop_077_02	25/06/2014	23:27	53,000 °N	51,1001 °W	52° 59,98' N	051° 06,00' W	2 487 m
Sp	77	CTD-Biogeo-Shallow	geoh_077_03	26/06/2014	01:28	52,989 °N	51,0954 °W	52° 59,35' N	051° 05,72' W	2 532 m
Sp	77	ISP-Shallow	geoi_077_04	26/06/2014	02:04	52,989 °N	51,0954 °W	52° 59,35' N	051° 05,72' W	2 532 m
Sp	77	CTD-Pa/Th/Pb/Po	geoh_077_05	26/06/2014	07:08	53,000 °N	51,0998 °W	52° 59,99' N	051° 05,99' W	2 486 m
Sp	77	TMR-Fe-isotopes	geop_077_06	26/06/2014	09:19	53,000 °N	51,0998 °W	52° 59,99' N	051° 05,99' W	2 487 m
Sp	77	CTD-Ra+REEs	geoh_077_07	26/06/2014	11:08	52,993 °N	51,0908 °W	52° 59,57' N	051° 05,45' W	2 529 m
Sp	77	ISP-Deep+corer	geoi_077_08	26/06/2014	13:24	52,997 °N	51,0981 °W	52° 59,84' N	051° 05,88' W	2 491 m
Sp	77	CTD-Biogeo-Remin+REEs	geoh_077_09	26/06/2014	20:21	52,995 °N	51,0958 °W	52° 59,68' N	051° 05,75' W	2 515 m
Sp	77	TMR-surface	geoh_077_10	26/06/2014	21:29	52,995 °N	51,0959 °W	52° 59,68' N	051° 05,75' W	2 515 m
Sp	77	CTD-Be	geoh_077_11	26/06/2014	22:26	52,995 °N	51,0959 °W	52° 59,68' N	051° 05,75' W	2 515 m
Sp	77	CTD-Radionuclides	geoh_077_12	26/06/2014	23:30	52,995 °N	51,0958 °W	52° 59,68' N	051° 05,75' W	2 514 m
		SVP_9		27/06/2014	01:30	52,994 °N	51,0968 °W	52° 59,66' N	051° 05,81' W	2 512 m
XL	78	CTD-Hydro++	geoh_078_01	27/06/2014	14:24	51,989 °N	53,8168 °W	51° 59,33' N	053° 49,01' W	382 m
XL	78	ISP-Bottom	geoh_078_02	27/06/2014	15:12	51,989 °N	53,8168 °W	51° 59,33' N	053° 49,01' W	383 m
XL	78	TMR-stock++	geop_078_03	27/06/2014	19:04	51,989 °N	53,8168 °W	51° 59,33' N	053° 49,01' W	383 m
XL	78	Corer	geosc_078_04	27/06/2014	20:05	51,989 °N	53,8168 °W	51° 59,33' N	053° 49,01' W	383 m
XL	78	CTD-isotopes	geoh_078_05	27/06/2014	20:10	51,989 °N	53,8167 °W	51° 59,33' N	053° 49,00' W	383 m
		SVP_10		27/06/2014	20:52	51,988 °N	53,8219 °W	51° 59,30' N	053° 49,32' W	382 m
Saint John's		Final								

Cruise participants

The international GEOVIDE cruise brought on board R/V Pourquoi pas ? 40 scientists with different citizenships. 16 laboratories from 7 countries were involved in the cruise. Within the framework of the GEOVIDE project, 18 laboratories from 9 different countries are involved.

Name	First name	Speciality	Fonction	Laboratory	Email
Alonso Perez	Fernando	Carbon cycle and gases (N2O/CH4)	Sampling and analysis	IIM-CSIC,Vigo (Spain)	fernando@iim.csic.es
Barkhouse	Ryan	Trace metal cycling	Trace metal sampling	Univ Dalhaousie (Canada)	rjbarkho@dal.ca
Boutorh	Julia	Biogeochemistry of trace metals	Trace metal sampling	LEMAR (France)	Julia.Boutorh@univ-brest.fr
Bouvier	Vincent	Isotopic chemistry	REE and _Nd sampling and preparation	LEGOS (France)	Vincent.Bouvier@legos.obs-mip.fr
Branellec	Pierre	Physical oceanography	O2 + CTD calibration	LPO (France)	Pierre.Branellec@ifremer.fr
Carracedo Segade	Lidia	Carbon cycle and gases (N2O/CH4)	Sampling and analysis	IIM-CSIC,Vigo (Spain)	lcarracedo@iim.csic.es
Castrillejo	Maxi	Isotopic Geochemistry	Po/Pb sampling	Univ Barcelona (Spain)	mcastrillejo.sci@gmail.com
Cheize	Marie	Particulate trace metal (PTM) biogeochemistry	PTM sampling	LEMAR (France)	Marie.Cheize@univ-brest.fr
Contreira	Leonardo	Iron isotopes	Iron isotopes sampling	Laboratório de Hidroquímica , Instituto de Oceanografia (Brazil)	leonardocontreira@gmail.com
Cossa	Daniel	Hg mercury cycle	Hg sampling and analysis	UJF (France)	Daniel.Cossa@ifremer.fr
Daniault	Nathalie	Physical oceanography	CTD, XBT, SADCP	LPO (France)	Nathalie.Daniault@univ-brest.fr
De Saint-Léger	Emmanuel	CTD + in-situ pumps	CTD + in-situ pumps	DT INSU (France)	emmanuel.desaintleger@dt.insu.cnrs.fr
Desprez de Gesincourt	Floriane	Physical oceanography	Salinity	LPO (FRance)	Floriane.Desprez.De.Gesincourt@ifremer.fr
Fernandez Perez	Fiz	Carbon cycle and gases (N2O/CH4)	Sampling and analysis	IIM-CSIC,Vigo (Spain)	fiz.perez@iim.csic. es
Foliot	Lorna	Analytical chemistry	Nutrient analyses	LSCE (France)	lorna.foliot@lsce.ipsl.fr
Fonseca Pereira	Debany	Nitrogen and oxygen isotopes in nitrates	Sampling and analyses	VUB, (Belgium)	Debany.Fonseca.Pereira.Batista@vub.ac.be
Garcia Ibañez	Maria Isabel	Carbon cycle and gases (N2O/CH4)	Sampling and analysis	IIM-CSIC,Vigo (Spain)	maribelgarcia@iim.csic.es
Grossteffan	Emilie	Analytical chemistry	Nutrient analyses	IUEM (France)	Emilie.Grossteffan@univ-brest.fr
Hamon	Michel	Physical oceanography	CTD, LADCP data	LPO (France)	Michel.Hamon@ifremer.fr
Heimburger	Lars-Eric	Hg mercury cycle	Hg sampling and analysis	Univ. Bremen (Germany)	lars-eric@unibremen. de
Jeandel	Catherine	Isotopic chemistry	REE and _Nd	LEGOS	catherine.jeandel@legos.obs-mip.fr

			sampling and preparation	(France)	
Kermabon	Catherine	Physical oceanography	CTD, LADCP data	LPO (FRance)	catherine.kermabon@ifremer.fr
Lacan	François	Iron isotopes	Iron isotopes sampling	LEGOS (FRance)	francois.lacan@legos.obs-mip.fr
Le Bot	Philippe	Physical oceanography	CTD, XBT	LPO (France)	Philippe.Le.Bot@ifremer.fr
Le Goff	Manon	Analytical chemistry	Nutrient analyses	LEMAR (France)	Manon.Legoff@univ-brest.fr
Lefèbvre	Alison	Physical oceanography	CTD, XBT	LPO (France)	alisonlefebvre@neuf.fr
Leizour	Stéphane	Physical oceanography	CTD, floats, surdrifts, XBT	LPO (France)	Stephane.Leizour@ifremer.fr
Lemaître	Nolwenn	Organic matter export and remineralization	^{234}Th and Baxs analyses	LEMAR (France)	Nolwenn.Lemaitre@univ-brest.fr
Lherminier	Pascale	Physical oceanography	Co-chief scientist. CTD, ADCP data	LPO (France)	pascale.lherminier@ifremer.fr
Ménage	Olivier	Physical oceanography	CTD, floats, surdrifts, XBT	LPO (France)	Olivier.Menage@ifremer.fr
Menzel	Jan Lukas	Aluminium cycle	Aluminium sampling and analyses	GEOMAR, (Germany)	jmenzel@geomar. de
Pérault	Fabien	CTD + in-situ pumps	CTD + in-situ pumps	DT INSU (France)	fabien.perault@dt.insu.cnrs.fr
Planquette	Hélène	Particulate trace metal(PTM) biogeochemistry	PTM sampling	LEMAR (France)	Helene.Planquette@univ-brest.fr
Planchon	Frédéric	Organic matter export and remineralization	^{234}Th and Baxs analyses	LEMAR (France)	Frederic.Planchon@univ-brest.fr
Roukaerts	Arnout	Nitrogen and oxygen isotopes in nitrates	Sampling and analyses	VUB (Belgium)	Arnout.Roukaerts@vub.ac.be
Sanial	Virginie	Isotopic chemistry	Ra sampling	LEGOS (France)	Virginie.Sanial@legos.obs-mip.fr
Sarthou	Géraldine	Biogeochemistry of trace metals	Chief scientist	LEMAR (France)	Geraldine.Sarthou@univ-brest.fr
Sauzède	Raphaelle	Pigments	Pigment filtration	LOV (France)	raphaelle.sauzede@obs-vlfr.fr
Shelley	Rachel	Trace metals in the atmosphere	Aerosol and rainwater sampling	LEMAR (France)	Rachel.Shelley@univ-brest.fr
Yi	Tang	Isotopic Geochemistry	Po/Pb sampling	QC Queens College (USA)	icingty@gmail.com



Figure 3 - GEOVIDE cruise, the Scientific Team

3. Classic CTD-O_2 measurement calibration

3.1. Classic CTD-O_2 data acquisition

For the classic hydrology acquisition, we used LPO CTD with the INSU frame with 24 bottles of 12 liters, to have enough sea water for the chemists.

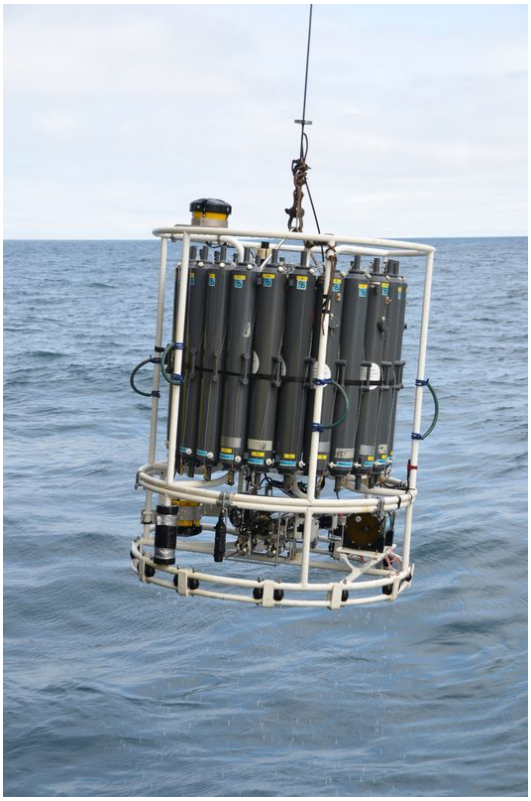


Figure 4 - Classical CTD frame

3.1.1. Technical summary

The Seabird 911+ CTD probe (s/n. 813) broke at the test station (internal electronic problem). So we used the Seabird 911+ CTD probe (s/n. 802) from profiles 1 to 114 and Vigo CTD unit with LPO sensors from profiles 117 to 163. The latter had to be embarked in emergency at Figueira da Foz (Portugal) between stations 3 and 4 to have a spare unit that was indeed useful to finish the survey.

The CTD sensors used are as follows:

	Primary sensors	Secondary sensors
Temperature (SBE3+)	s/n 4596 (T_0)	s/n 4595 (T_1)
Conductivity (SBE4c)	s/n 3088 (C_0)	s/n 3039 (C_1)
Oxygen (SBE43)	s/n 1402 (O_0)	s/n 530 (O_1)

Electronics mounted on the INSU frame:

IXSEA Pinger	s/n 530	Benthos Altimeter	s/n 52070
Downward-looking ADCP:	RDI 300 kHz WorkHorse (LPO s/n 12492, master)		
Upward-looking ADCP:	RDI 300 kHz WorkHorse (LPO s/n 2002, slave)		

Transmissomètre (INSU) WET Labs C-Star	s/n 372DR
Fluorimètre (INSU) Chelsea Aqua 3	s/n 088-235
PAR (INSU) Biospherical	s/n 70494
SPAR (INSU) Biospherical	s/n 20127

The CTD casts start with a round trip at a depth of 30 m to remove the air bubbles in the 2 circuits of the sensors. The CTD profile then begins from the surface to a distance of 15 meters from the bottom. At each cast, the electro-mechanical cable is unwound and wound at a speed of 1 meter per second (0.5 m/s for the first 100 meters).

The downcast of the probe is monitored on a screen with the Sepia software that traces the echoes of the pinger mounted on the frame, allowing a continuous positioning of the probe relative to the bottom. The final bottom approach is performed using the Benthos altimeter, as soon as it has 'latched' the bottom at a distance of 30-50 m.

During the upcast, the frame is stopped at predefined levels of closure of the 24 sampling bottles.

In addition to these instruments, two ADCP (Acoustic Doppler Current Profiler) 300 kHz WorkHorse are mounted on the frame to obtain vertical profiles of current velocity, a downward-looking (LPO s/n 12492, master) and an upward-looking (LPO s/n 2002, slave).



Figure 5 : LADCP on CTD frame

3.1.2. Technical problems during the cruise

17/05: Test station : we lost the CTD signal (s/n 813) after several hundred meters downcast and recovered it during the upcast. Test of the electronic termination : OK, but each time we connect the CTD, the SBE11 fuse broke. We decided to change the CTD (s/n 802) and the SBE11 deck unit.

21/05: we recovered a new CTD from Vigo at Figueira da Foz.

26/05: during the night (station 13, cast 13, upcast), the CTD winch broke and the rosette made a free fall from 1095 to 2584 dbar. It could be stopped, and after nearly 36 hours of work on the winch, the rosette was brought back on the deck without damage.

07/06: we changed the Benthos altimeter (s/n 52070 replaced by s/n 52073).

17/06: CTD signal (T, C, O_2) very noisy after 600m (station 58, cast 1). First we changed the Y cable and after we changed the two pumps and detected corrosion on connectors of the CTD unit. We changed the CTD unit (Vigo CTD unit) after station 58 but we kept the sensors of the CTD s/n 802.

3.1.3. Data processing

The CTD-O_2 sensor signals are transmitted to the LPO's Hydrology acquisition system. This system is designed to run on a PC running Windows 7 for acquisition, visualization and preprocessing with the manufacturer's software (SBE seasave).

This system allows the real time visualization of the different parameters measured and calculated on the profiles, while controlling the quality of the signal transmitted by the probe. All of the data transmitted by the probe, at the rate of 24 cycles per second, is saved to disk.

On board, the probe data were pre-calibrated with Seabird postprocessing software and the LPO calibration suite developed in Matlab (CADHYAC).

To facilitate the CTD acquisition, we decided to choose sequential numbering (Profile) for classical CTD, so you could find, hereafter, the correspondence between official numbering (Station, Cast) and Classic CTD file numbering.

N° Profile	N° Station	N° Cast	Type
0	0	2	Test
1	1	1	Super
2	1	3	Super
3	1	5	Super
4	1	7	Super
5	1	9	Super
6	1	11	Super
7	1	13	Super
8	2	1	XLarge
9	3	1	Short
10	4	1	Large
11	5	1	Short
12	6	1	Short
13	7	1	Short
14	8	1	Short
15	9	1	Short
16	10	1	Short
17	11	1	Large
18	11	3	Large
19	12	1	Short
20	13	1	Super
21	13	3	Super
22	13	5	Super
23	13	7	Super
24	13	9	Super
25	13	11	Super
26	13	13	Super
261	13	13	Super
27	14	1	Short
28	15	1	Large
29	15	3	Large
30	16	1	Short
31	17	1	Large
32	17	3	Large
33	18	1	Short
34	19	1	Large
35	19	3	Large
36	20	1	Short
37	21	1	Super
38	21	3	Super
39	21	6	Super
40	21	8	Super
41	21	10	Super
42	21	12	Super
43	21	14	Super
44	22	1	Short
45	23	1	Large
46	23	3	Large
47	24	1	Short
48	25	1	Large
49	25	3	Large
50	26	1	XLarge
51	26	3	XLarge
52	26	5	XLarge
53	26	7	XLarge
54	27	1	Short
55	28	1	Short
56	29	1	Large
57	29	3	Large
58	30	1	Short
59	31	1	Short
60	32	1	Super
61	32	3	Super
62	32	5	Super
63	32	7	Super
64	32	9	Super
65	32	10	Super
66	32	12	Super
67	32	14	Super

68	32	15	Super
69	33	1	Short
70	34	1	Large
71	34	3	Large
72	35	1	Short
73	36	1	Large
74	36	3	Large
75	37	1	Short
76	38	1	Super
77	38	3	Super
78	38	5	Super
79	38	7	Super
80	38	8	Super
81	38	9	Super
82	38	11	Super
83	38	13	Super
84	38	15	Super
85	39	1	Short
86	40	1	Large
87	40	3	Large
88	41	1	Short
89	42	1	Large
90	42	3	Large
91	43	1	Short
92	44	1	Super
93	44	3	Super
94	44	5	Super
95	44	7	Super
96	44	9	Super
97	44	11	Super
98	44	13	Super
99	45	1	Short
100	46	1	Short
101	47	1	Short
102	48	1	Short
103	49	1	Large
104	49	3	Large
105	50	1	Short
106	51	1	Short
107	52	1	Short
108	53	1	XLarge
109	53	5	XLarge
110	54	1	Short
111	55	1	Short
112	56	1	Large
113	57	1	Short
114	58	1	Short
117	60	3	Super
118	60	5	Super
119	60	6	Super
120	60	7	Super
121	60	9	Super
122	60	11	Super
123	61	1	Large
124	61	5	Large
125	62	1	Short
126	63	1	Large
127	63	3	Large
128	64	1	Super
129	64	3	Super
130	64	5	Super
131	64	7	Super
132	64	9	Super
133	64	11	Super
134	65	1	Short
135	66	1	Short
136	67	1	Short
137	68	1	Large
138	68	3	Large
139	69	1	Super

140	69	3	Super
141	69	5	Super
142	69	7	Super
143	69	9	Super
144	69	11	Super
145	69	13	Super
146	69	14	Super
147	70	1	Short
148	71	1	Large
149	71	3	Large
150	72	1	Short
151	73	1	Short
152	74	1	Short
153	75	1	Short
154	76	1	Short
155	77	1	Super
156	77	3	Super
157	77	5	Super
158	77	7	Super
159	77	9	Super
160	77	11	Super
161	77	12	Super
162	78	1	XLarge
163	78	5	XLarge

3.2. Sampling at sea

The Classic CTD frame was composed of a SBE 32 carousel with 24 bottles of 12 liters and a probe SBE 9+ for CTD measurement.

The bottles are closed during the upcast of the probe after stopping at the sampling levels. We waited 30 seconds before closing the bottle and the CTD signal was recorded during 8 seconds for generate bottles files. These levels are distributed over the full height of the profile in order to sample all the water masses and the standard levels: 24 bottles were systematically closed at each cast. The goal of the onboard chemists was to sample the upper layer of the ocean more densely. It was therefore necessary to establish an acceptable compromise in order to have, at each cast, sampling levels distributed over the entire water column to calibrate the salinity and dissolved oxygen profiles.



F
igure 6 - Classical CTD frame

As soon as they reach the surface, the samples were taken from each bottle for the numerous analyses performed on board, in the order recommended by the WOCE instructions. The bottles were sampled according to their chronology from 1 to 24.

To estimate the error of the analytical methods, replicates were conducted at some casts by triggering the closure of two bottles at the same sampling level. We thus have 62 salinity and 55 oxygen replicates.

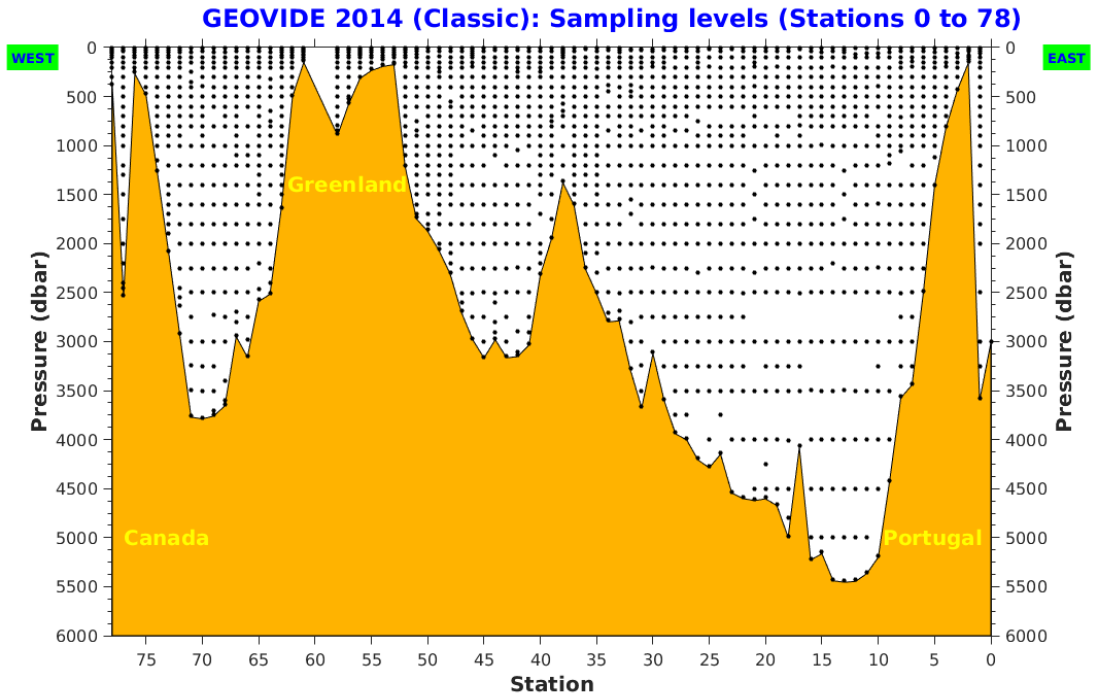


Figure 7 - Synoptic chart indicating the sampling levels for the Classic CTD.

The plot shows the sampling levels for the first cast of each station (profiles 0 to 163).

3.3. Analysis of salinity and dissolved oxygen samples

All the salinity and dissolved oxygen samples are analyzed on board, during the cruise, in the LPO's chemical analysis container, which has Metrohm 798 titrinos and Guildline Portasal salinometers. Air conditioning allows regulation of the room temperature (20 °C at ± 0.5 °C).



Figure 8 - LPO's chemistry container

The daily standardization of the measuring instruments (salinometers and tritrinos) was performed by Pierre Branellec, all salinity analyses were performed by Floriane Desprez de Gesincout, and oxygen analyses by Pierre Branellec.

3.3.1. Standardization of salinometers

All salinity measurements taken during the OVIDE cruise were performed on the same Portasal salinometer (serial n°: 62302).

This salinometer was standardized using a set of natural water bottles (IAPSO Standard Seawater): batch P156 (K15 = 0.99984, S = 34.994, to use before 23/07/2016). The standardization was verified every morning and after analysis of two casts (56 samples). The standardization results were recorded on salinity analysis sheets.
The salinometer was very stable throughout the cruise and the standardization was adjusted only rarely.



Figure 9 - Standard seawater

3.3.2. Salinity

The samples are collected after three successive rinses in 125 ml bottles, which water tightness is guaranteed by a rubber seal. As soon as the collection is finished, the samples are placed in the analysis container with a controlled temperature set to 20 °C (± 0.5 °C). The samples are analyzed 20 to 30 hours after collection to allow them to achieve a thermal equilibrium.

The salinity of the samples is determined according to the equation PSS 78 (UNESCO 1981). Throughout the cruise, the temperature of the thermostat bath is fixed at 21 °C.

For each sample, three successive rinses of the cell are performed before making three readings separated each time by a rinse.

Figure 10 shows the differences in salinity obtained on the replicates validated by the calibration. They were performed at sampling levels between the surface and the bottom and were collected from profile 0 to profile 107. The differences between two salinity measurements were studied for 62 validated replicates: figure 11 shows the histogram.

We observe that, in 67.7 % of the cases, the difference in salinity measured on the two bottles is less than 0.001 and in 96.7 % of the cases it is less than 0.003.
The standard deviation is 0.0014 for all validated replicates, and considering only the replicates performed at a pressure greater than 980 dbar, the standard deviation is 0.0013.

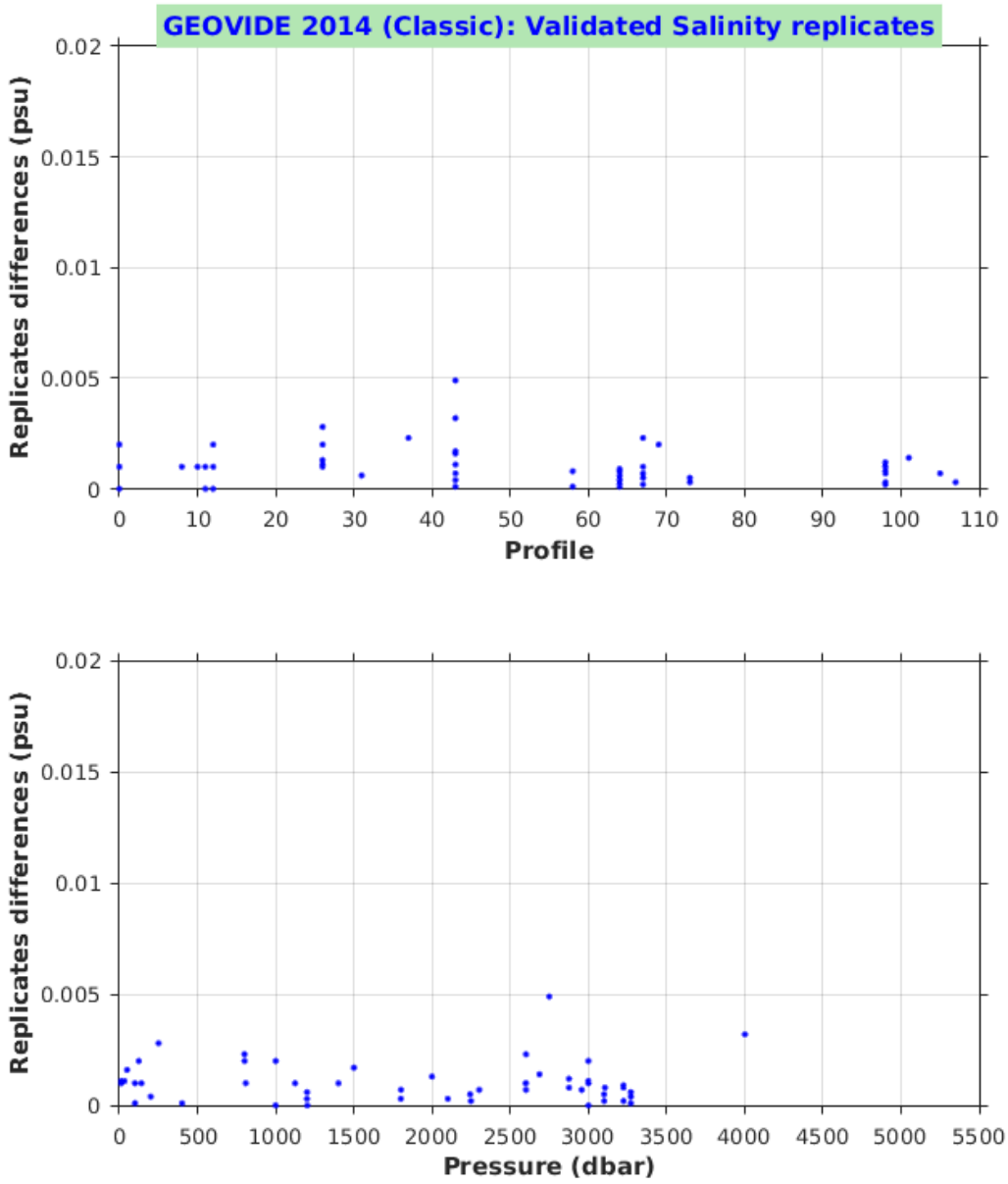


Figure 10 - Differences in salinity between two bottles closed at the same level:

a) as a function of the profile number of the replicates,
b) as a function of the pressure at which the replicate was sampled.

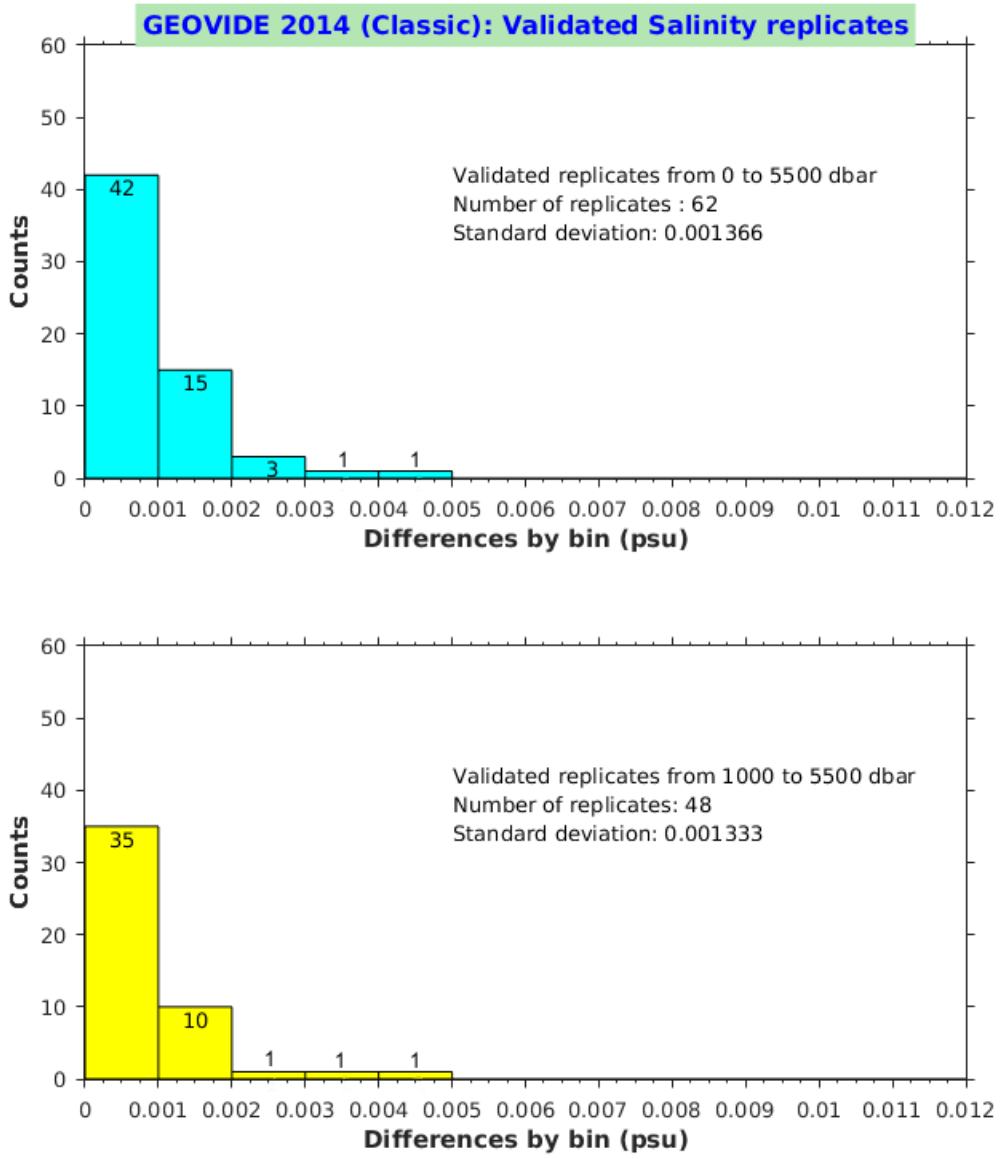


Figure 11 - Histogram of the salinity differences on the replicates:

a) for the 62 validated replicates of the cruise,
b) for the 48 validated replicates sampled at a pressure greater than 980 dbar.

3.3.3. Dissolved oxygen

To analyze the dissolved oxygen, the samples are collected in 120 ml bottles with a plunger cap. After filling the bottle, the temperature of the sample is recorded during overflowing a volume of water three times equivalent of the bottle.
Two reagents ($MnCl_2$ and NaOH-NaI) are then added successively and the bottle is capped. Finally, the bottle is shaken for 30 seconds to capture the oxygen in the seawater in the precipitate. Once all the samples are taken, the bottles are turned over one by one to suspend the precipitate another time.

The samples are stored in the laboratory container at a temperature of 20 °C and analyzed within a period of 4 to 24 hours.

The operating conditions and the analysis method conform to the recommendations of WOCE (WOCE Operations Manual, 1991). After acidification in the sampling bottle, the liberated iodine is dosed with a solution of sodium thiosulphate which normality is of the order of 0.02 N. Its normality is determined daily, before the start of the analysis series, by comparison to a potassium iodate solution, which normality, obtained by weighing, is 0.019966.

The dosage is controlled by a 798 Metrohm titrino, a platinum titrode measures the reaction potential and a 20ml burette delivers the sodium thiosulphate. The volume of thiosulphate necessary for the reduction of the iodine is subtracted from the automatic determination of the inflection point on the potential curve at equivalence.

Figure 12 shows the differences obtained between the measurements performed on the 55 validated replicates and figure 13 shows the histograms.
For all the replicates collected between the bottom and the surface, 58.2 % of the differences are less than 0.01 ml/l and 78.2 % are less than 0.02 ml/l for a standard deviation of 0.016 ml/l (0.71 µmol/kg). By eliminating the levels between the surface and 980 dbar, the standard deviation is 0.014 ml/l (0.62 µmol/kg).

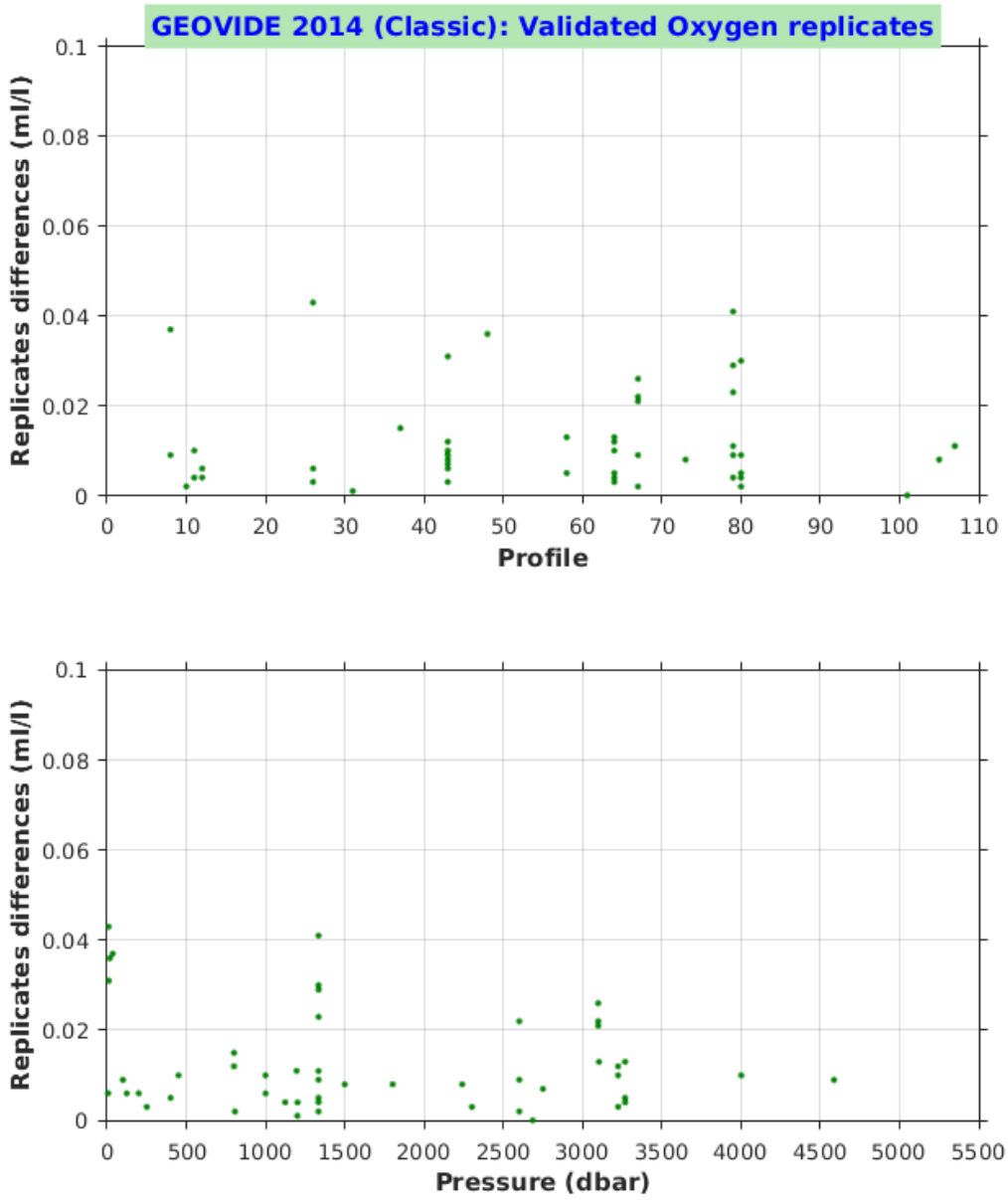


Figure 12 - Differences in oxygen between two bottles closed at the same level:

a) as a function of the profile number of the replicate,
b) as a function of the pressure at which the replicate was sampled.

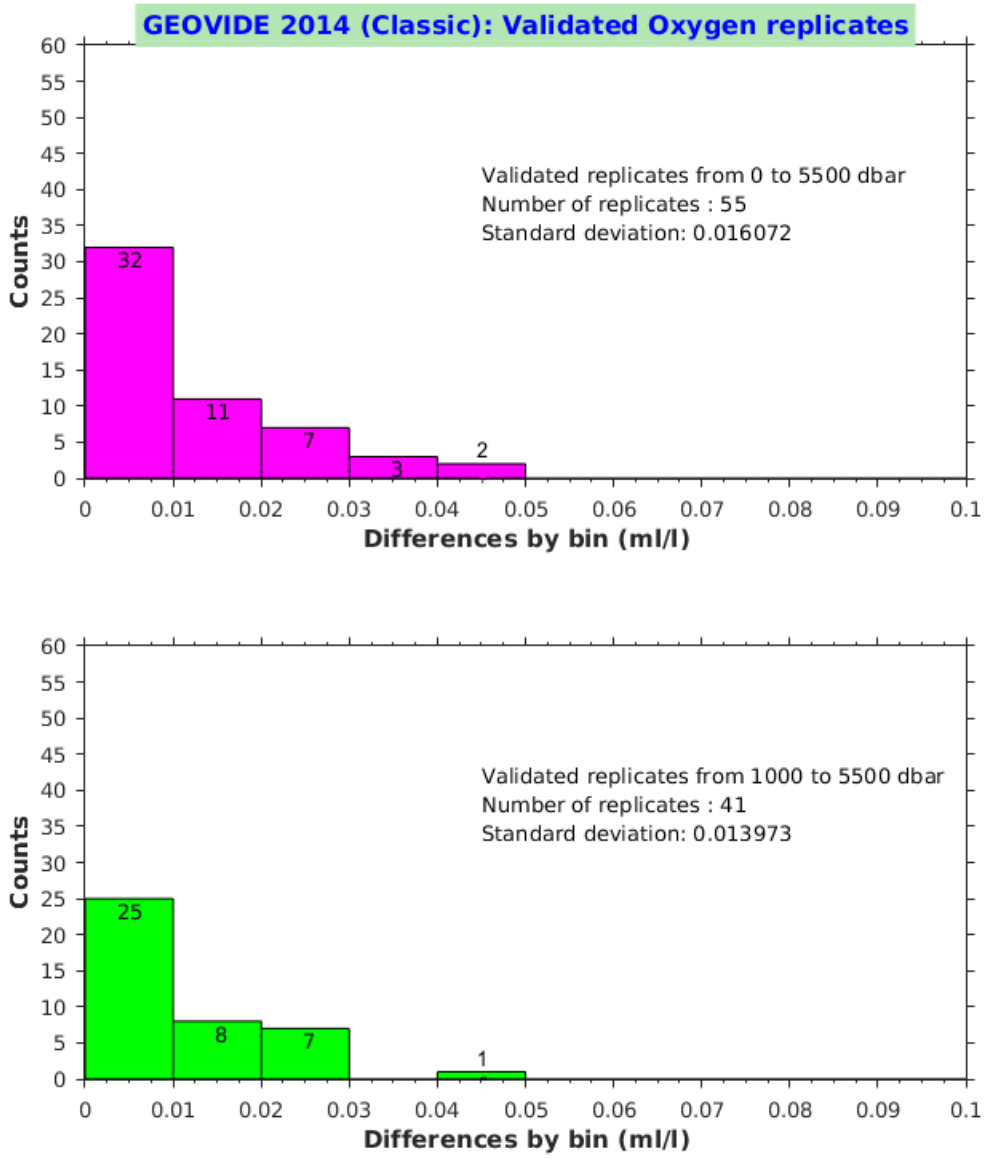


Figure 13 - Histogram of the oxygen differences of the replicates:

a) for the 55 validated replicates of the cruise,
b) for the 41 validated replicates sampled at a pressure greater than 980 dbar.

3.4. Data preparation before calibration

3.4.1. Data cleaning with Hydro_nett

The Hydro_nett software is used primarily to correct aberrant pressure measurements in the .cnv files. The measurements are cleaned with respect to thresholds, then using a median deviation test.
The values chosen for GEOVIDE are shown in the following figure. Hydro_nett is applied to the probe measurements after decoding by datcnv to create geohst*T1.cnv files.

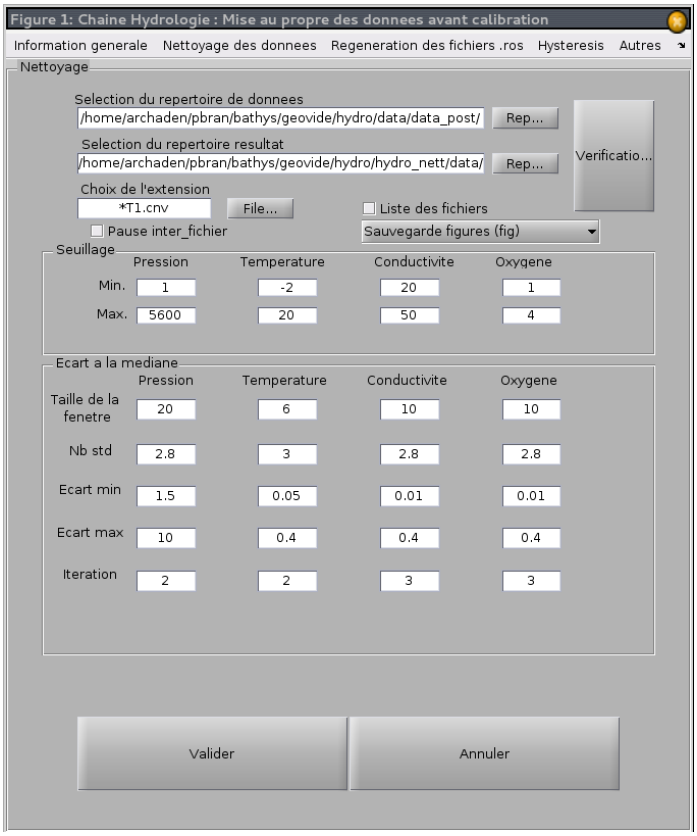


Figure 14 - Hydro_nett options

3.4.2. Correction for hysteresis

The principle of hysteresis correction on the SBE 43 sensor from Seabird is described in the application note SBE 64-3 and was coded in Matlab.
The hysteresis correction depends on three coefficients: H_1, H_2 and H_3. The default values of these coefficients are provided by Seabird. However, the coefficients H_1 and H_3 can be adjusted by minimizing the difference between the downcast and upcast profiles (see Bradley et al., 2010).

Using Hydro_nett, new coefficients were estimated for GEOVIDE:

	Primary sensor	Secondary sensor
H1	-0.021	(-0.021)
H2	5000	5000
H3	1710	(1700)

Because of a lot of errors on the second Oxygen sensor signal, the software couldn't calculate corrects coefficients. So we used the same coefficients than those found for the primary sensors. The resulting files are called geohst*T1_trait_hyst.cnv.

3.4.3. Processing with the Seabird routines

Seabird developed a certain number of routines in its Seasoft V2 (SBEDataPostprocessing) software suite in order to improve the recorded probe measurements. The sequence of programs chosen by the LPO is the result of a study performed on the 2008 CTD cruises (see C. Kermabon, M. Arhan, "*Validation et Réduction des données de la sonde 9+*", June 2008). The Seabird programs are applied on the measurements output from Hydro_nett. The input files in hydro_nett are the previously created files: geohst*.T1_trait_hyst.cnv.

Seabird processing

Filter: filters the pressure measurements.
Low pass filter B, time constant (s) = 0.15

Alignctd: applies a delay of 4 seconds on the primary and secondary oxygen measurements.

Celltm: takes into account the effect of the thermal mass of the conductivity cell using a recursive filter.
Thermal anomaly amplitude (alpha) = 0.03
Thermal anomaly time constant (1/beta) = 7

Loopedit: flags the cycles compared to the speed of the probe.
Minimum velocity type = fixed minimum velocity
Minimum CTD velocity (m/s) = 0
Remove surface soak not selected
Exclude scans marked bad selected

Derive: addition of O2 ml/l in files

At the end, the corrected files are named geohst*_T5_final.cnv.

3.5. Calibration of pressure measurements

The SBE9+ probe is equipped with a Paroscientific digiquartz pressure sensor, which accuracy is claimed by the manufacturer to be 0.015 % of the full scale (10000 psi), or in our case ± 1.5 psi or ± 1.0 dbar, the claimed resolution being 0.001 %, i.e. 0.1 psi or 0.07 dbar.

In general, the pressure sensor was calibrated before and after the cruise at the IFREMER laboratory of metrology, authorized by the "Bureau National de Métrologie" (B.N.M.). The sensor is connected to a Desgranges and Huot bench-top balance, which delivers a reference pressure with a maximum error of 0.75 dbar at the 6000 dbar level.

For Geovide cruise, we used two SBE9+ probes :

. profiles 0 to 114: LPO probe (s/n 802)

. profiles 117 to 163: VIGO probe (s/n 1014)

Only the LPO probe was calibrated in pressure at Ifremer before and after the cruise.

3.5.1. Calibration of the sensor under laboratory conditions at 20 °C

Three cycles of increasing and decreasing pressure, by successive increments of 600 dbar, from 0 to 6000 dbar, are performed at laboratory temperature, i.e. 20 °C (± 1 °C). The results obtained are shown in figure 15, in the form of mean differences between the reference pressure delivered by the bench-top balance and the equivalent pressure indicated by the sensor in the increasing pressure cycles (downcast profile of the probe) and decreasing pressure (upcast profile).

The distribution of points resulting from the pre- and post-cruise calibrations can be corrected by a polynomial of degree 4. These results highlight a good stability of the sensor: compared to the polynomial correction, the maximum difference observed (pre-and post-cruise; downcast and upcast) is 0.50 dbar at 20 °C.

3.5.2. Influence of the static temperature

The response of the pressure sensor can be influenced by the outside temperature (see figure 16). The ocean temperature shows differences above 20 °C between the surface and the bottom. The static effect of the temperature on the pressure sensor is studied in the laboratory by immersing the probe in a water bath at different temperatures. After stabilization of the bath temperature, we perform a cycle of increasing then decreasing pressure, recording the indication of the pressure sensor at separate increments of 1000 dbar. This operation is repeated at four different temperature points between -1 and 21 °C.

Considering the low impact of temperature changes on the pressure sensor and the strong temperature variations between the cruise casts, we did not apply any specific static correction for GEOVIDE 2014.

3.5.3. Influence of the dynamic temperature effect

The crossing of the thermocline, during the downcast and the upcast, causes an abrupt variation in temperature. This thermal shock, called the dynamic temperature effect, is simulated in the laboratory in order to study the behavior of the pressure sensor, which depends mainly on the quality of its insulation.

The sensor was submitted to a series of thermal shocks by suddenly immersing the probe, after a certain period at a given temperature, in a hotter or colder bath as appropriate. The parameters transmitted by the sensor (pressure, in situ temperature and internal temperature of the pressure sensor) were recorded during a time period sufficiently long to study the behavior of the sensor after this phenomenon (see Technical Note LPO-GT09-01, P. Branellec, M. Hamon).

These experiments allow us to conclude that the response of the Paroscientific pressure sensor is not influenced by this thermal shock. Consequently, no dynamic correction is made.

3.5.4. Correction of the pressure measurement on the CTD profiles

Taking into account the results of the laboratory calibrations, the pressure sensor of LPO probe (s/n 802) is corrected by a pressure polynomial of degree 4 (fig 15). For the Vigo probe we used the seabird coefficents.

Finally, we can consider that the uncertainty in the pressure measurement is of the order of the sensor accuracy: 1 dbar.

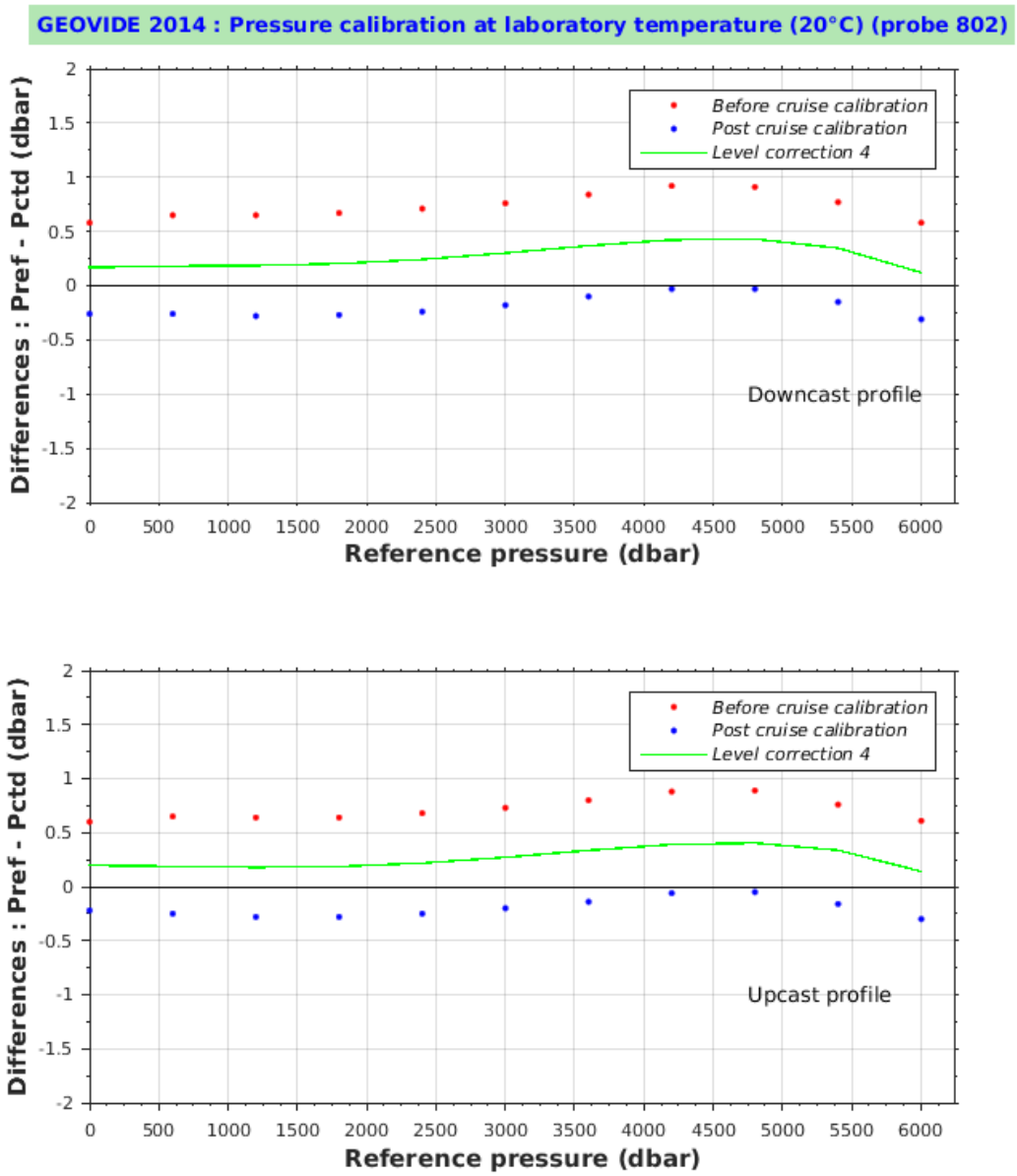


Figure 15 - Pressure calibration at 20 °C.

Distribution of the mean differences, every 600 dbar, between the reference pressure and the pressure indicated by the Seabird sensor during pre-and post-cruise calibrations at laboratory temperature (20 °C):

a) increasing pressure cycles (downcast profile),

b) decreasing pressure cycles (upcast profile).

The curve of degree 4 that reduces the differences is represented.

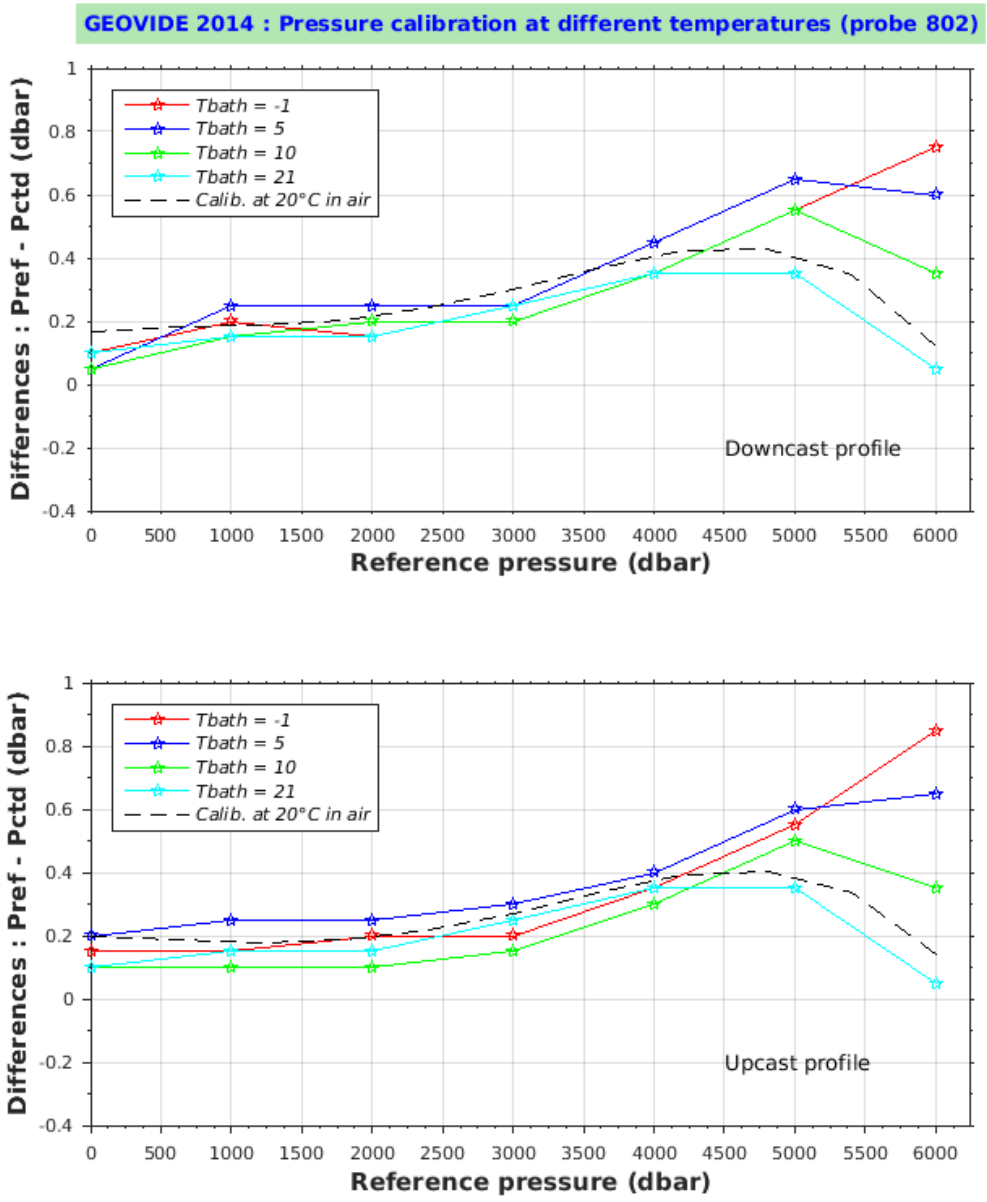


Figure 16 - Response of the Paroscientific pressure sensor as a function of the temperature.

3.5.5. Validation of the CTD pressure measurement

Monitoring of the pressure sensor

The CTD pressure sensor reading was taken at different levels (in air before the launching, at the start of the downcast, at the end of the upcast), at each cast, in order to detect any potential variation during the cruise.

Figure 17 shows the values of the pressure sensor taken:

- in air at the start of the cast. We recorded the frequency value indicated by the onboard instrument.
- at the surface, at the start of the downcast (mean = 5.5 (LPO); mean = 4.0 (Vigo))
- at the end of the upcast (mean = 4.2 (LPO); mean = 3.2 (Vigo)).

These readings confirm the good stability of the pressure sensor during the cruise.

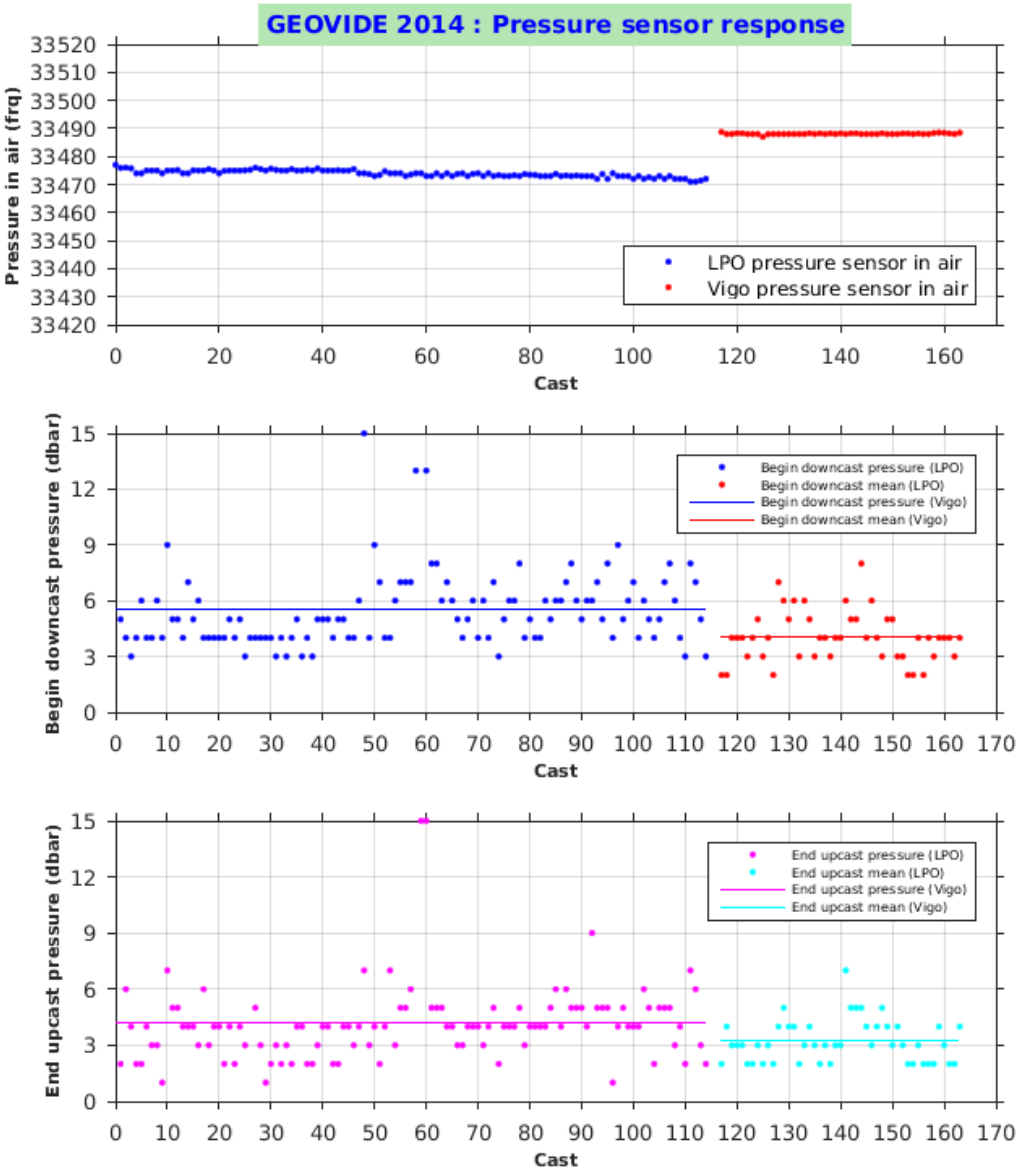


Figure 17 - Monitoring of the pressure sensor readings:

a) in air at the start of the cast (value in Hertz),
b) at the start of the downcast,
c) at the end of the upcast.
Mean values are shown as solid lines.

3.6. Calibration of the temperature measurement

Our SBE9+ probes are equipped with two sets of temperature (T) and conductivity (C) sensors. The temperature sensors are SBE3+ sensors from Seabird, the measurement resolution is 0.0003 °C and the accuracy claimed by the manufacturer is 0.001 °C.

For Geovide cruise, we used two SBE9+ probes:

- profiles 0 to 114: LPO probe (s/n 802)
- profiles 117 to 163: VIGO probe (s/n 1014).

We installed T, C and O2 sensors of the LPO probe on the Vigo probe, so we calibrated all the casts with the same temperature coefficients.

3.6.1. Operating mode

The LPO's probes are regularly calibrated in the IFREMER laboratory of metrology, before and after each cruise. The probe is fully immersed in a thermostat water bath which temperature stability is strictly controlled. The reference temperature of the bath is provided by a Rosemount-type platinum resistance, placed in close proximity to the CTD sensor. This thermometer is periodically checked and certified by the "*Laboratoire National de Métrologie et d'Essais*" (LNE). The measured temperature is expressed on the EIT 90 scale. Several measurement points are thus tested by recording the temperature indicated by the CTD and comparing it to the reference temperature of the bath at several points between -1 and 25 °C.

The choice between the primary (T_0) and secondary (T_1) temperature is made by visualizing all the raw measurements of the probe at 24 Hz. The reduced files only conserve a single temperature. In the case of the GEOVIDE cruise, the choice was made to use the primary temperature (T_0) for the complete calibration phase.

The figure 18 shows the calibration before and after cruise. You could observe a difference between the both calibrations up to 0.005 °C. Since the secondary sensor did not show such a shift, we analysed the median of the differences T_0-T_1 for all the casts and we didn't observe a shift during the cruise. We decided to use only the calibration made before the cruise for more consistency with the observations.

The temperature measurements obtained on the cruise profiles are corrected by applying a polynomial of degree 3, which curve is shown in figure 19. This curve minimizes the differences (reference temperature - probe temperature) obtained during the calibration performed before the cruise: the maximum error on the primary sensor is ± 0.00043 °C and the standard deviation is 0.00026 °C.

Finally, we consider that the uncertainty in the temperature measurement is of the order of the sensor accuracy: 0.001 °C.

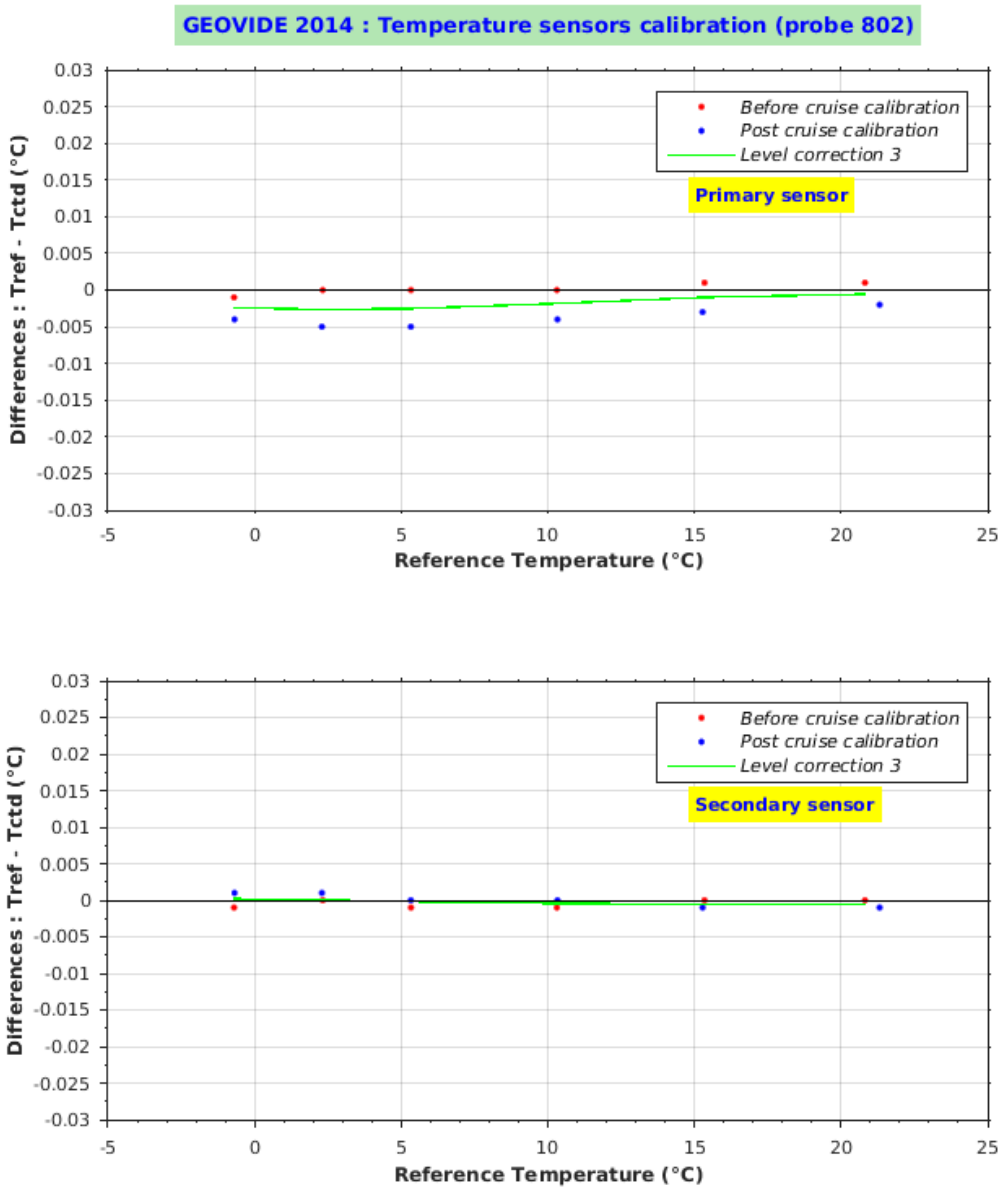


Figure 18 - Temperature calibration, probe 802.

Differences between the reference temperature and the temperature measured by the SBE3+ sensor (primary and secondary) during pre-and post-cruise calibrations.

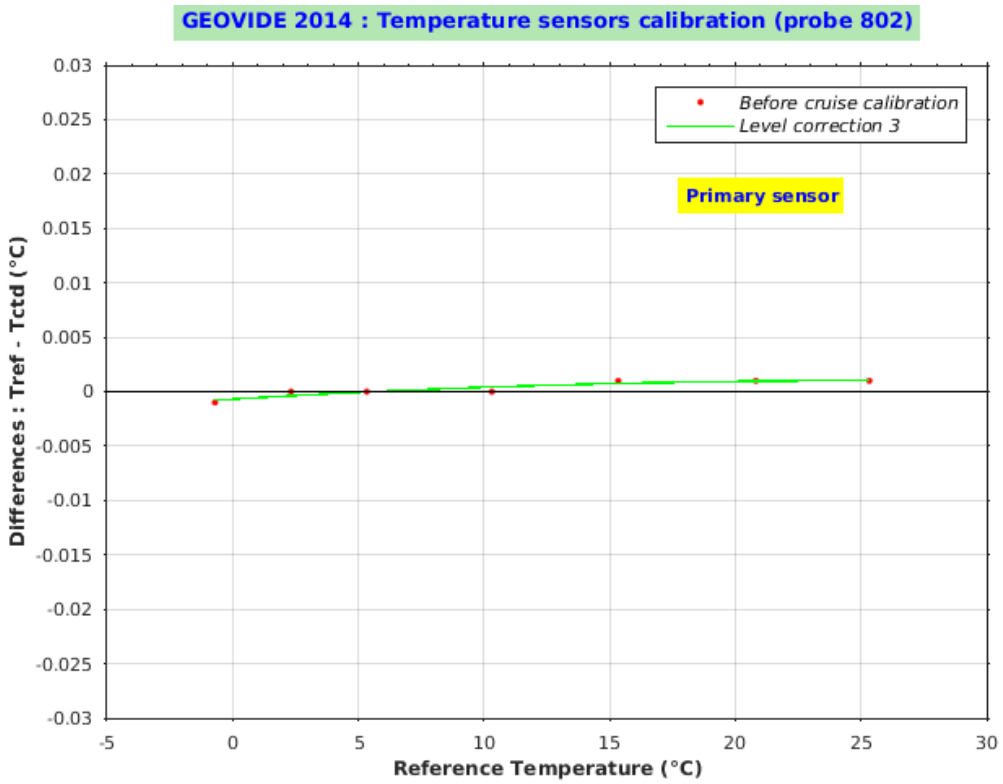


Figure 19 - Final temperature calibration.

3.7. Calibration of the conductivity

The SBE9+ probe is equipped with two SBE4 conductivity sensors, with a range of measurements from 0 to 70 mS/cm. The accuracy claimed by the manufacturer is 0.003 mS/cm and the resolution 0.0004 mS/cm. The serial numbers of the sensors, used during the cruise, are given in section 3.1.1 Technical summary.

The choice between the primary (C_0) and secondary (C_1) conductivity is made before, by visualizing the raw measurements of the probe at 24 Hz. The reduced files only conserve a single conductivity. In the case of the GEOVIDE cruise, the choice was made to use the primary conductivity (C_0).

3.7.1. Operating mode

The new calibration procedure for the conductivity measurements (COs), written according to the recommendations of the GO-SHIP group, first involves the conversion of the chemical salinity to chemical conductivity (CO_H) using the corrected values of the pressure and temperature sensors, at the sampling level.
Then, the different corrections to be applied are calculated to minimize the differences:

$$\Delta C = CO_H - CO_S$$

- Correction as a function of time to take into account a potential slow drift of the conductivity sensor.

- Correction as a function of the conductivity. The selected coefficients result from successive iterations on the considered group of samples. The process is stopped when no additional sample is removed at the end of the current iteration. It follows that, at the end of the last iteration, all the differences ΔC are lower than the value:

  $$\Delta C_{max} = 2.8 * \text{standard-deviation}$$

  for the samples used in the calculation process.

- Correction as a function of the pressure on the conductivity or the salinity.

3.7.2. Analysis of the initial results and strategy adopted

The figure 20 shows the conductivity differences between conductivity bottle and raw conductivity sensor without any correction or offset.
The figure 21 shows the results of the adjustment of the conductivity sensor for all the casts together. All the dots are plotted (blue dots kept, red dots rejected).
This first calculation is very good and we decided to stop there. The first calibration is the final calibration.

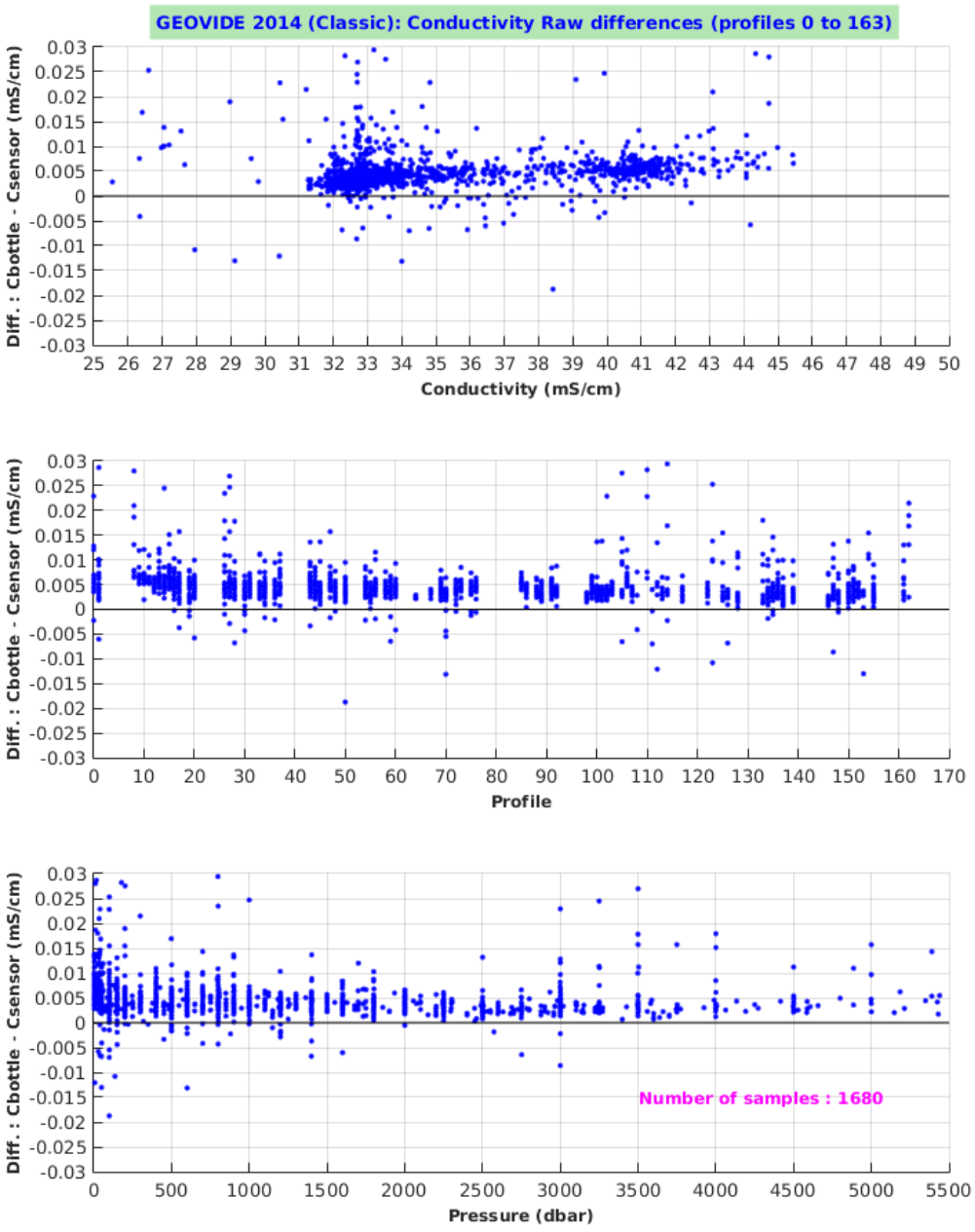


Figure 20 - Conductivity Raw Differences.

Bottle salinity is converted to bottle conductivity. The differences are the result of raw bottle conductivity minus raw sensor conductivity.

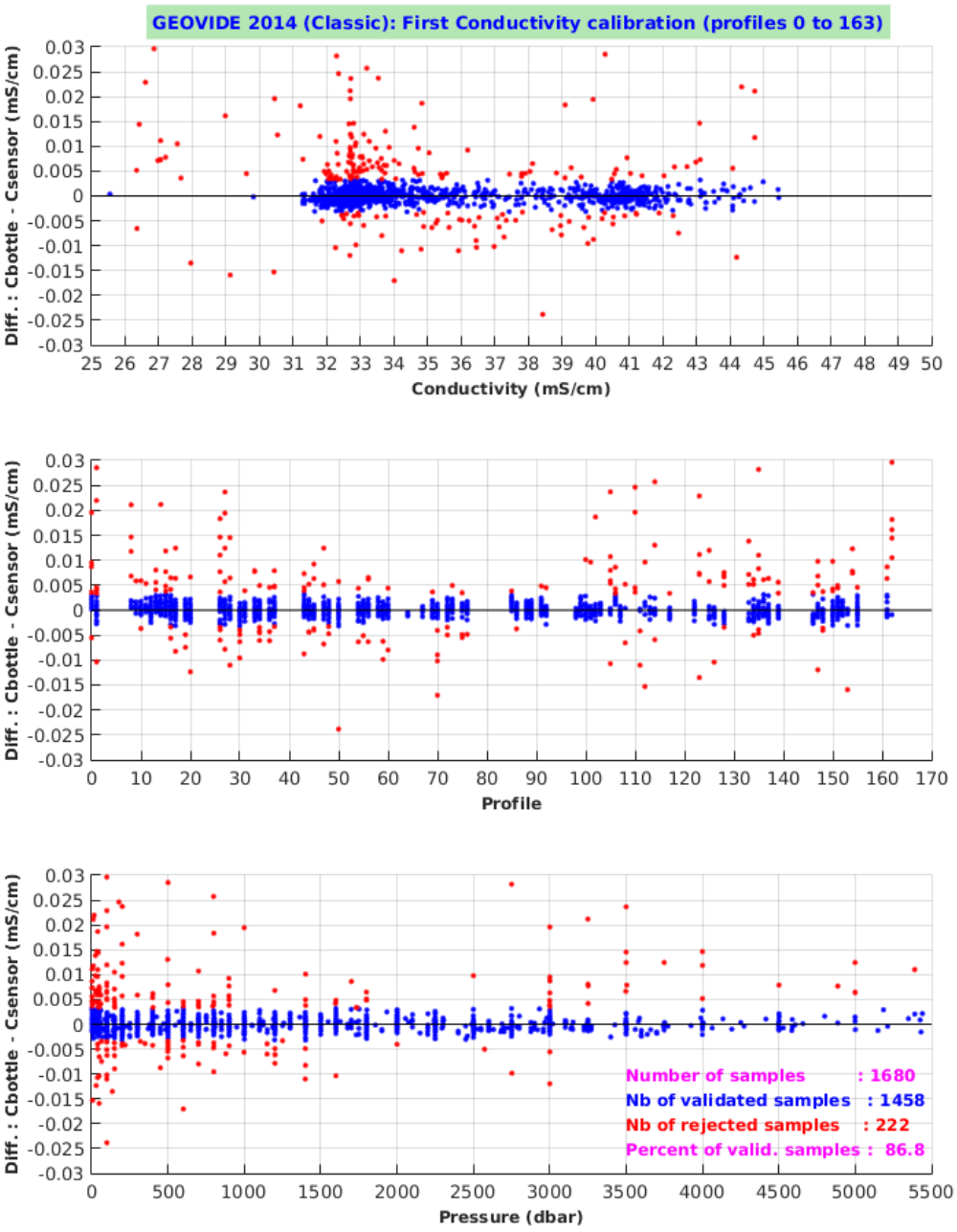


Figure 21 - First conductivity calibration.

Differences between the conductivity of the samples and the corrected probe conductivity at each sampling level:

a) as a function of the conductivity,
b) as a function of the profile number,
c) as a function of the pressure of the sampling level.

These differences are the result of a conductivity calibration on all the cruise samples, without temporal correction, without grouping casts and without pressure correction.

The blue dots are kept by the calculation, the red dots are rejected.

3.7.3. Assessment of the calibration of the conductivity profiles

The table below shows the results of the calibration of the conductivity measurements for the GEOVIDE 2014 cruise:

Profiles or group	Number of samples considered	Number of samples conserved in the calculation	Standard deviation (0-5500 dbar)
0 - 163	1680	1458 (86.8 %)	0.00116

The table shows, for all the cast, the number of samples used for the calculation, the number of samples conserved by the process, as well as the resulting standard deviation for the group considered.

During the cruise, salinity was measured on 1680 samples. The calculation process validated 1458 of them, i.e. 86.8 %.

No temporal correction was applied.

A detailed study of the differences and of the theta-S shows that dividing the casts into groups does not improve the conductivity calibration. All of the profiles in GEOVIDE 2014 were calibrated with the same conductivity polynomial of degree 1.

Figure 22 shows the remaining differences in conductivity after conductivity calibration of all casts and a slight correction of the pressure effect (polynomial of degree 1).

The histograms in figure 23 confirm that the distribution of the differences is satisfactory. In 62.9 % of cases, the differences in conductivity are lower than ± 0.001 mS/cm, while in 98.8 %, they are less than ± 0.003 mS/cm, the standard deviation in conductivity is 0.0012 mS/cm.

The overall assessment can be established as follows: the conductivity values of 1458 validated samples indicate a standard deviation between the sensor data and the chemistry data, for the whole cruise, of 0.0012 mS/cm.

The histograms of differences in salinity after optimization are shown in figure 24: the standard deviation in salinity is 0.0013 psu.

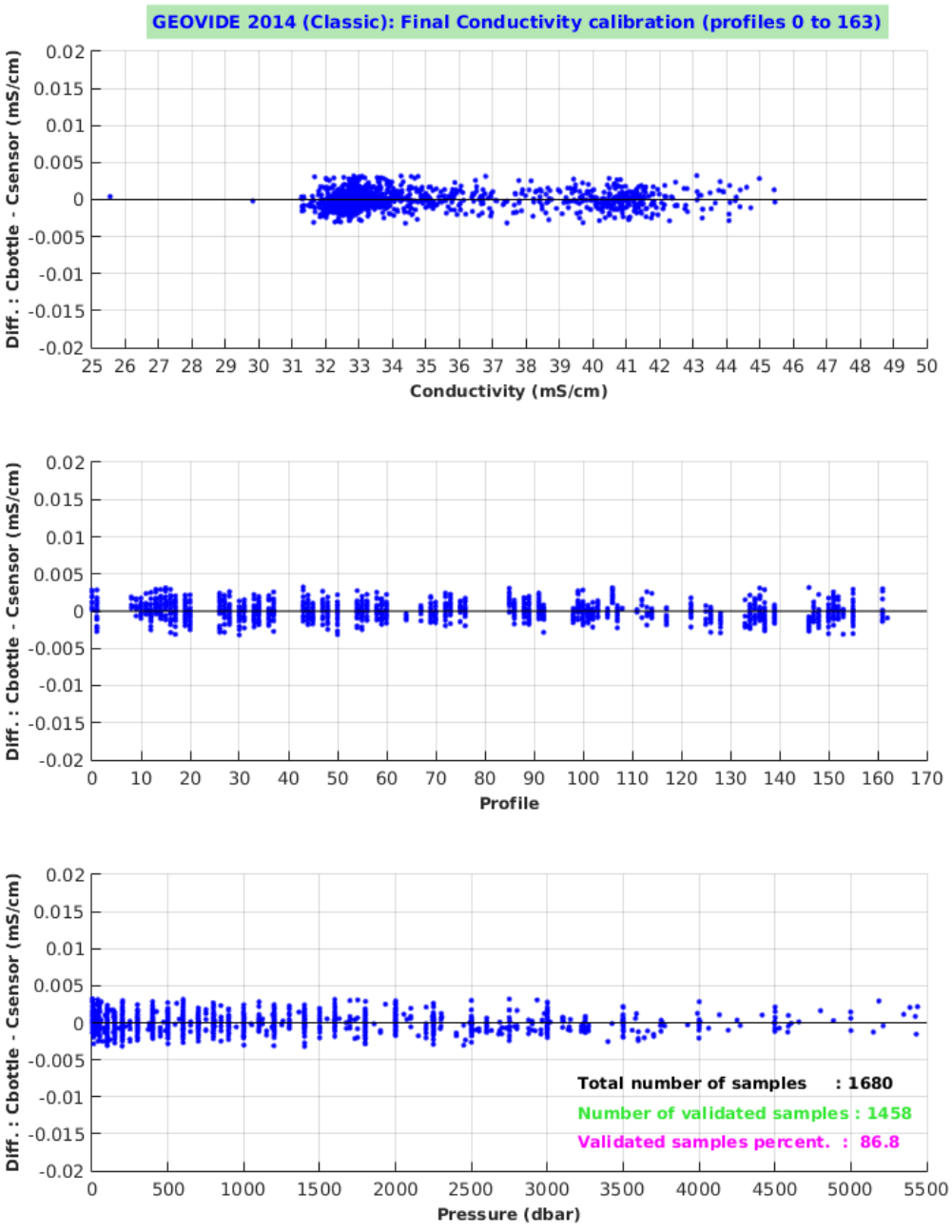


Figure 22 - Final calibration for GEOVIDE.

Differences between the conductivity of 1458 validated samples and the probe conductivity corrected at each sampling level:

a) as a function of the conductivity,
b) as a function of the profile number,
c) as a function of the pressure at the sampling level.

These differences are the result of a conductivity calibration on all the cruise samples, without any correction.

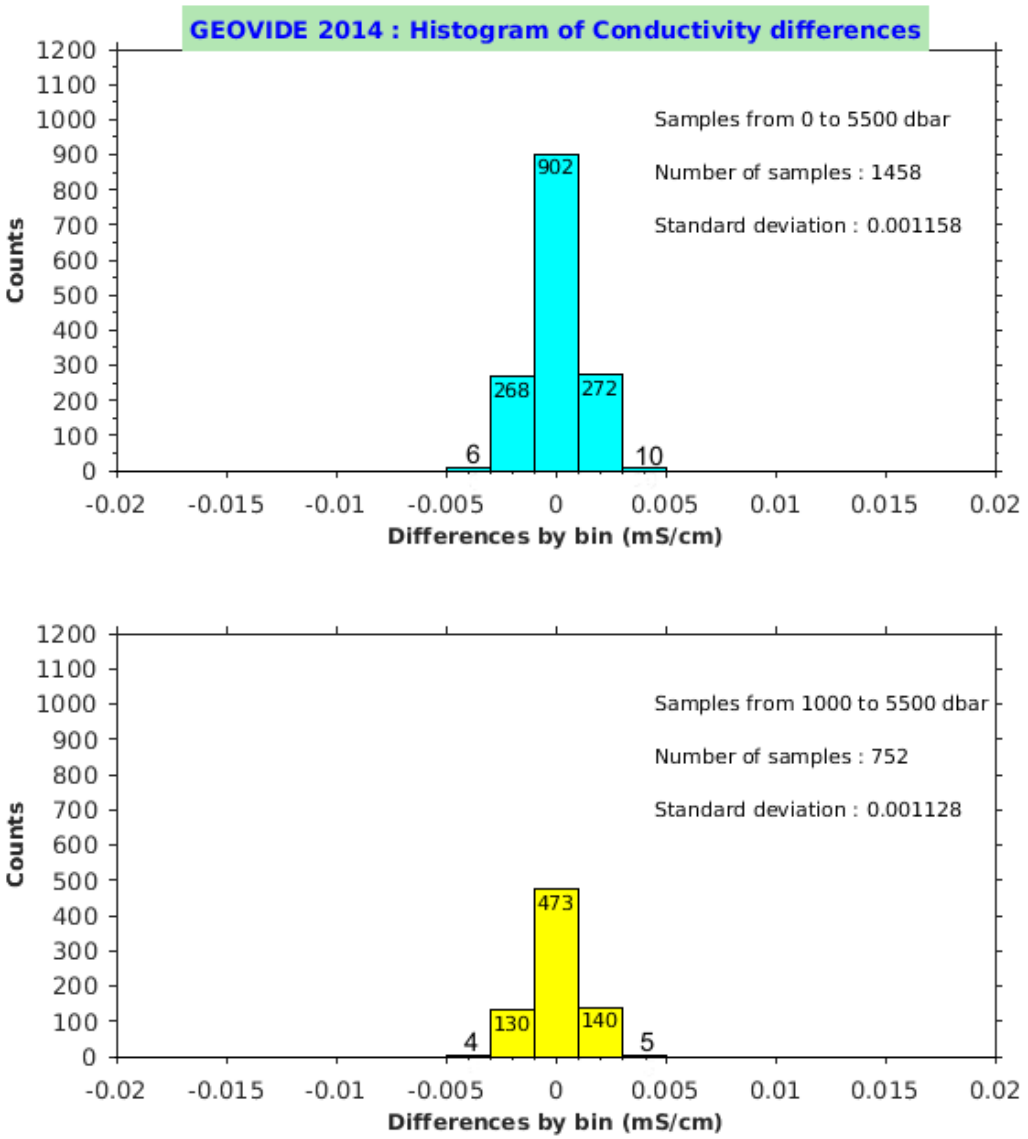


Figure 23 - Histograms of final conductivity calibration.

Histograms of the differences between the conductivity of the validated samples and the CTD conductivity at the sampling level:

a) for all the 1458 validated cruise samples,

b) for the 752 validated samples collected at a pressure greater than 980 dbar.

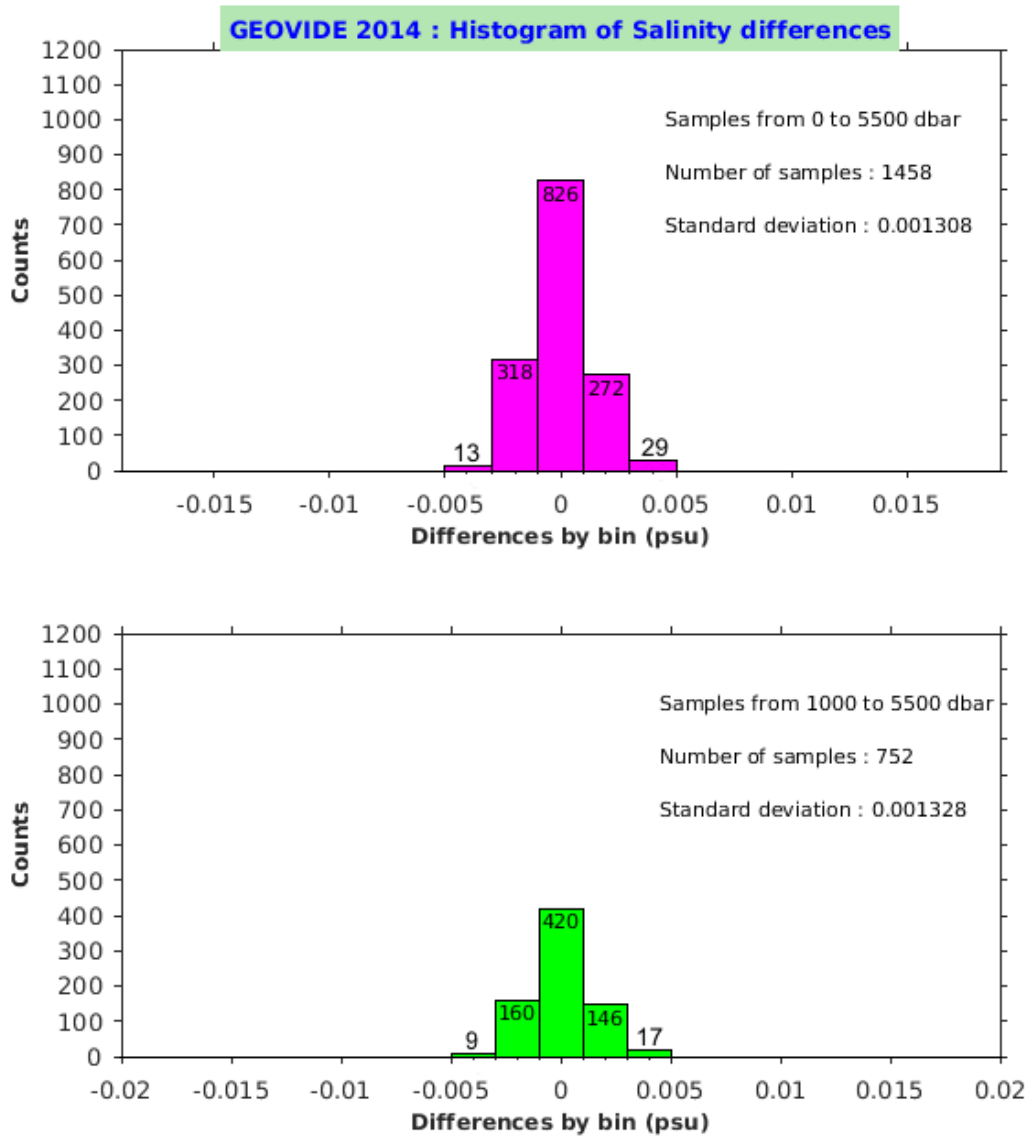


Figure 24 - Histograms of final salinity calibration.

3.7.4. Validation of the results

Figure 25 shows all the Theta-S diagrams of the downcast profiles of the GEOVIDE 2014 cruise in deep and bottom waters of the eastern part of the section. We observe a good repeatability of the diagrams that overlap in an acceptable way.

Saunders (1986) established a relationship between potential temperature and salinity in the Northeast Atlantic deep water masses. This relationship ($S = 34.698 + 0.098 * \theta$) is marked in red in figure 24, and match very well with the GEOVIDE data.

Figure 26 shows the Θ-S diagrams of CTD casts carried out at the same points during different cruises of CLIVAR program :

Point 1: N 40 47.24 W 013 06.02		Point 2: N 48 02.30 W 020 50.77	
GEOVIDE 2014	station 12	GEOVIDE 2014	station 23
CATARINA 2012	station 15	CATARINA 2012	station 37
OVIDE 2010	station 15	OVIDE 2010	station 37
OVIDE 2008	station 17	OVIDE 2008	station 39

Figure 27 shows all the Theta-S of the Geovide cruise.

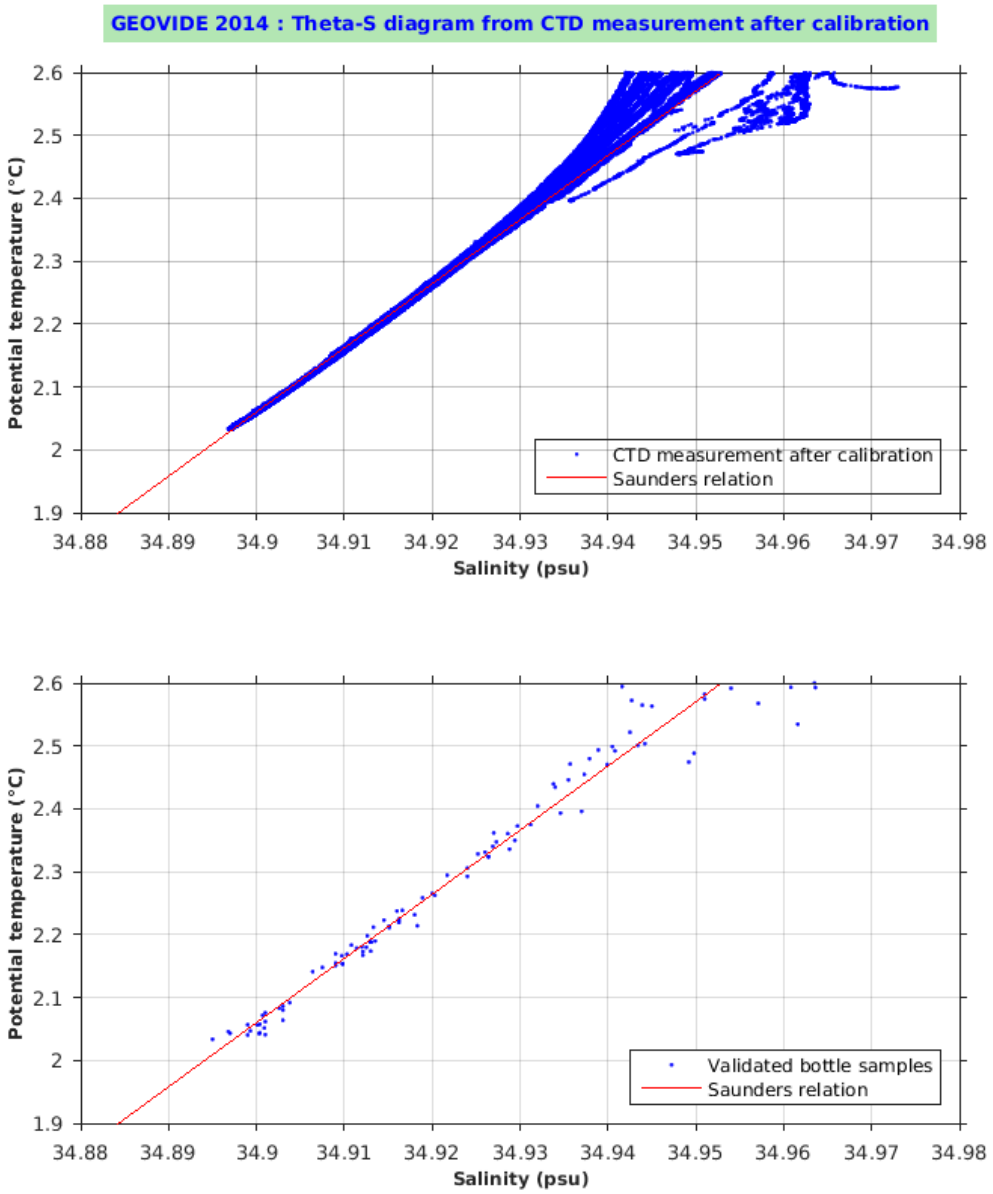


Figure 25 - Theta-S diagrams of deep water during GEOVIDE.

All Theta-S diagrams of the deep casts of GEOVIDE cruise:

a) top graph, probe measurements on the downcast profiles,

b) bottom graph, 'bottle' salinity combined with the CTD potential temperature.

The red line indicates the relationship proposed by Saunders (1986).

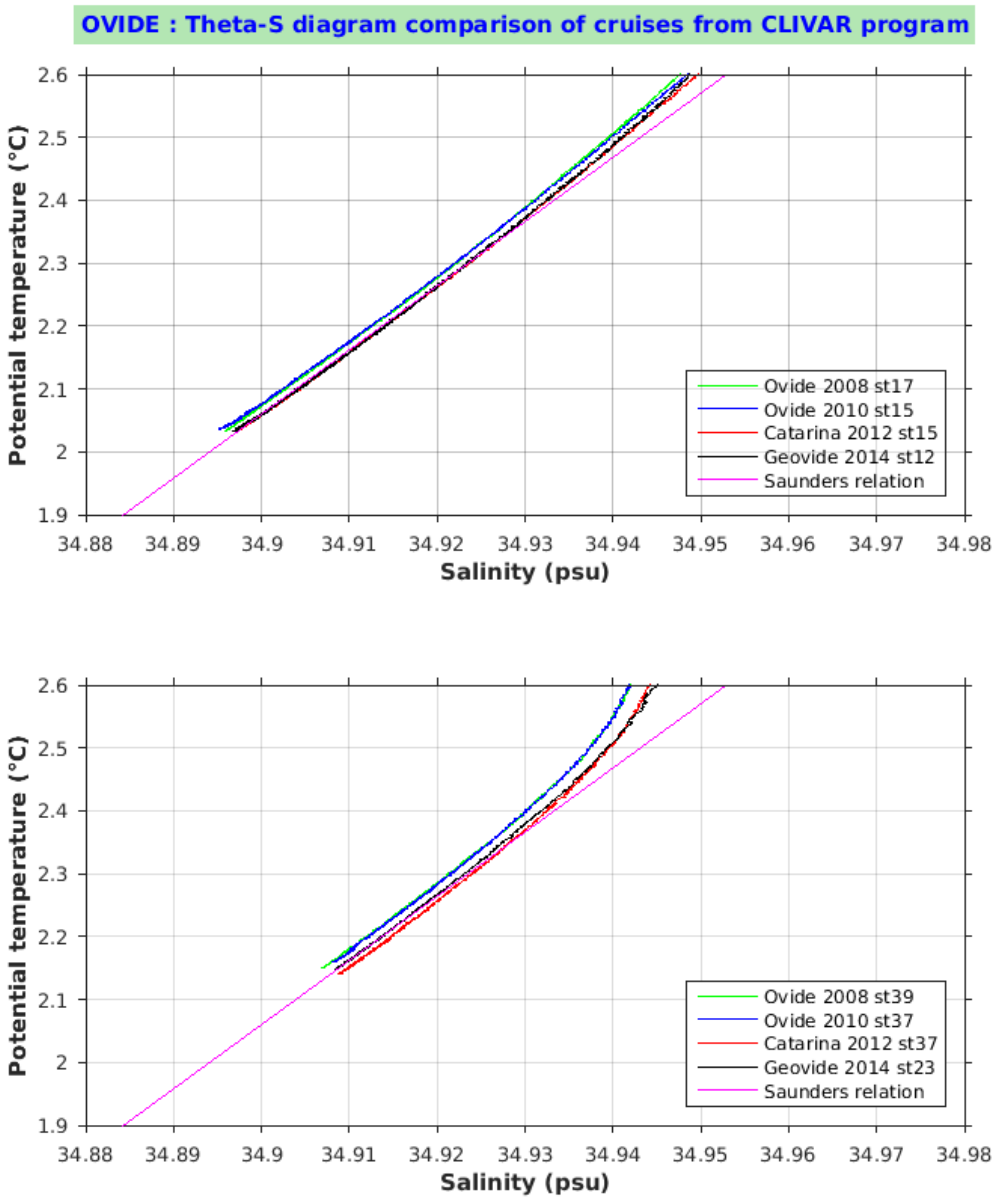


Figure 26 - Theta-S comparison.

Comparison of Theta-S diagrams between different OVIDE cruises from CLIVAR Program.

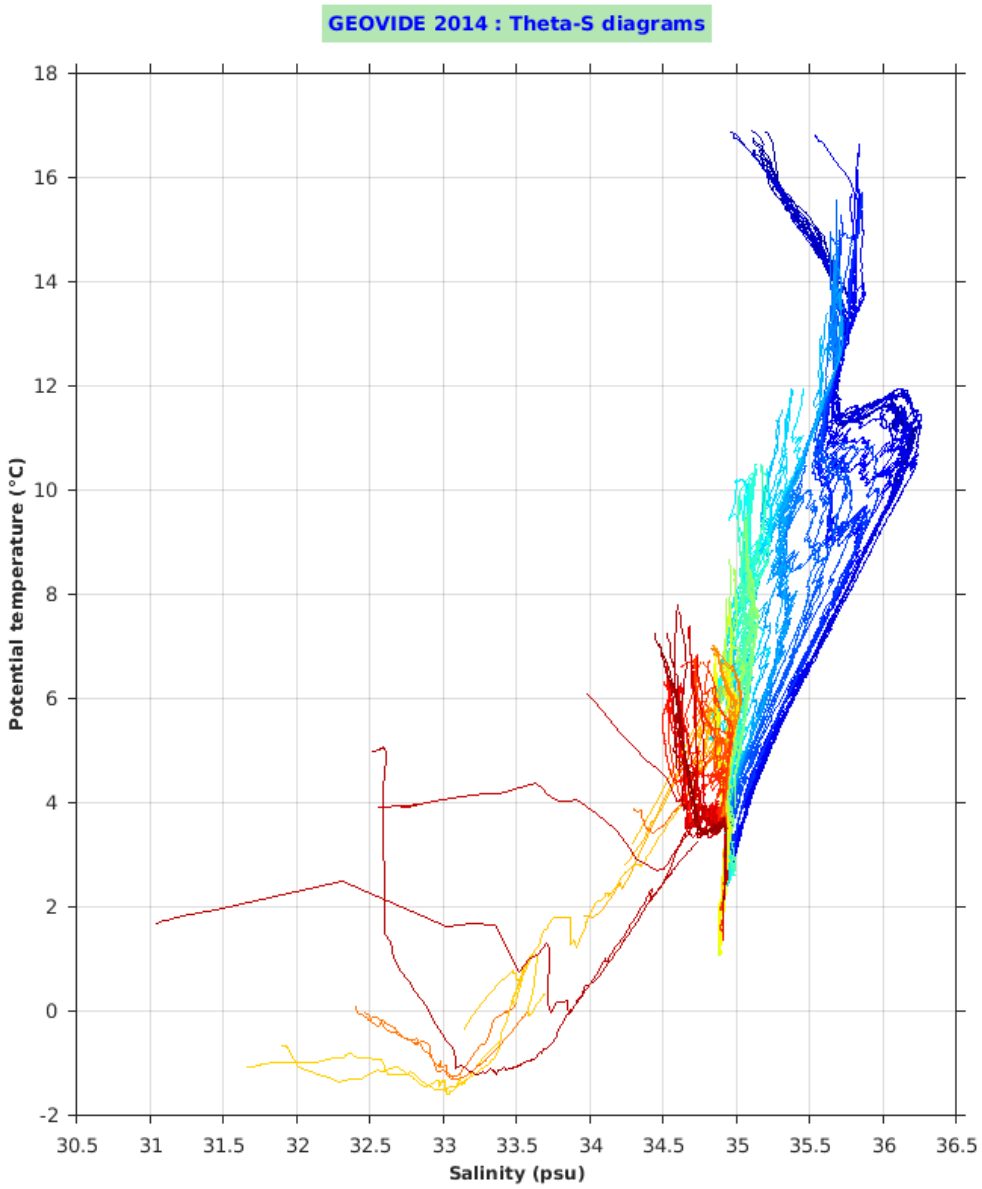


Figure 27 - Theta-S of all the casts of GEOVIDE cruise.

The color of the profiles changes gradually from blue to red, from profile 1 to profile 163.

3.8. Calibration of dissolved oxygen profiles

The SBE9+ probe is equipped with two SBE43 dissolved oxygen sensors with a range of measurements from 0 to 120 % of the surface saturation. The accuracy claimed by the manufacturer is 2 % of the saturation. The serial numbers of the sensors, used during the cruise, are given in the section 3.1.1 Technical summary.

The choice between the primary (Ox_0) and secondary (Ox_1) oxygen is made before calibration by visualizing the raw measurements of the probe at 24 Hz. The reduced files only conserve a single oxygen measurement. In the case of the GEOVIDE 2014 cruise, the choice was made to use the primary oxygen (Ox_0).

3.8.1. Operating mode

The dissolved oxygen content, OXYSBE, expressed in ml/l, is calculated from the Vr information transmitted by the sensor using the formula proposed by Millard (1982).

$$OXYSBE\ (ml/l) = soc * (Vr + Voffset + tau\ (T, P) * \delta V/\delta t) * oxsol\ (T, S) * (1.0 + A*T + B*T^2 * C*T^3) * e^{(E*P/K)}$$

Vr: O_2 measurement in volts
δV/δt: derivative of the signal SBE43 (volt/sec)
Oxsol: function for the calculation of the oxygen solubility (Garcia & Gordon 1992)
P: probe pressure (dbar)
T: probe temperature (°C)
K: probe temperature (°K)
S: probe salinity (psu)
Soc, Voffset, A, B, C, E, tau: characteristics of the Seabird sensor

In practice, the term associated with tau is neglected because it adds noise when the profile is homogenous vertically (see Application note n° 64; Nov 2008)), and this pattern happens quite often in GEOVIDE data since we cross regions where deep convection occurs annually. The goal of the calibration is the determination of a new Soc and Voffset.

The oxygen in volts is corrected for hysteresis by the Hydro_nett program in .cnv files (section 3.4.2).

For the calibration, the probe oxygen (OXYS) is obtained by calculating a mean on a water column of 15 dbar on the downcast profile, at the sampling level, based on the probe measurements in volts before the hysteresis correction. So we don't use the bottle files provided by SeaBird processing software for this calibration.

The method used for the calibration of the probe measurements from the chemistry measurements (OXYC in ml/l) involves the determination of the coefficients M and B of the equation below to minimize the differences between (OXYC / phi) and (OXYS * M + B).

OXYC (ml/l) / phi = OXYS (volt) * M + B

where:

. phi = Oxsol(T,S) * (1.0 + A*T +B*T^2 * C*T^3) * $e^{(E*P/K)}$

. M = soc

. B = Voffset * soc thus Voffset = B / soc

The Soc and Voffset coefficients (deduced from the values of M and B) of the Seabird sensor characteristics are determined for a set of samples, using successive iterations based on a principle similar to that for the conductivity.

3.8.2. Dissolved oxygen units

The unit used in the calibration procedure and in the graphical representations of this report is the milliliter per liter (ml/l).

The water temperature, at the time of sampling from the bottles, was taken with an Ebro thermometer (accuracy = ± 0.3 °C) before fixing of the oxygen by the reagents. We then deduce the density of the seawater sample, and the dissolved oxygen content can be converted to micromoles per kilogram (µmol/kg) (see Mercier et al. 1992).

The dissolved oxygen data of the SBE43 sensor are therefore provided in both units.

3.8.3. Analysis of the initial results and strategy adopted

The figure 28 shows the oxygen raw differences between oxygen bottle and raw oxygen sensor taken on downcast. The oxygen sensor was first corrected with hydro_nett (see section 3.4.1).

Figure 29 shows the distribution of the differences obtained after this initial global determination of Soc and Voffset coefficients.

A detailed analysis shows that there is more scattering in the surface samplings than in the bottom samplings, due to internal waves that induce differences between the downcast used for the probe data and the upcast during which the bottles were closed. For this reason and also because we have less data at depths, we decided to apply a higher weight on bottom samples in the calibration (x6 for samples > 2000 dbar). We also corrected the oxygen values with a function of the pressure (degree 1). All the profiles (0 to 163) were processed together.
The number of samples with the weight becomes 3702 oxygen samples.

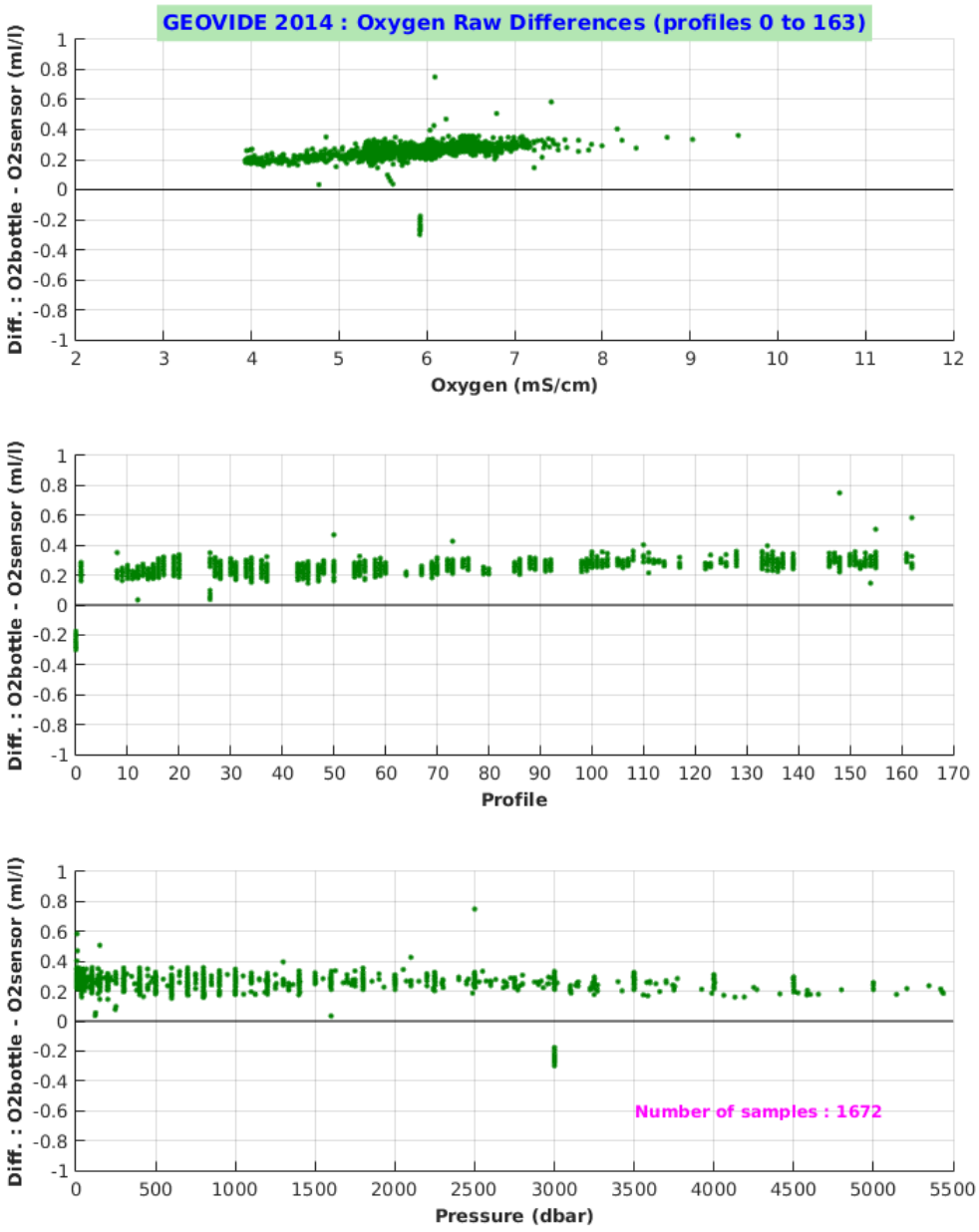


Figure 28 - Oxygen raw differences.

Oxygen raw differences (O_2 bottle - O_2 sensor) without calibration.

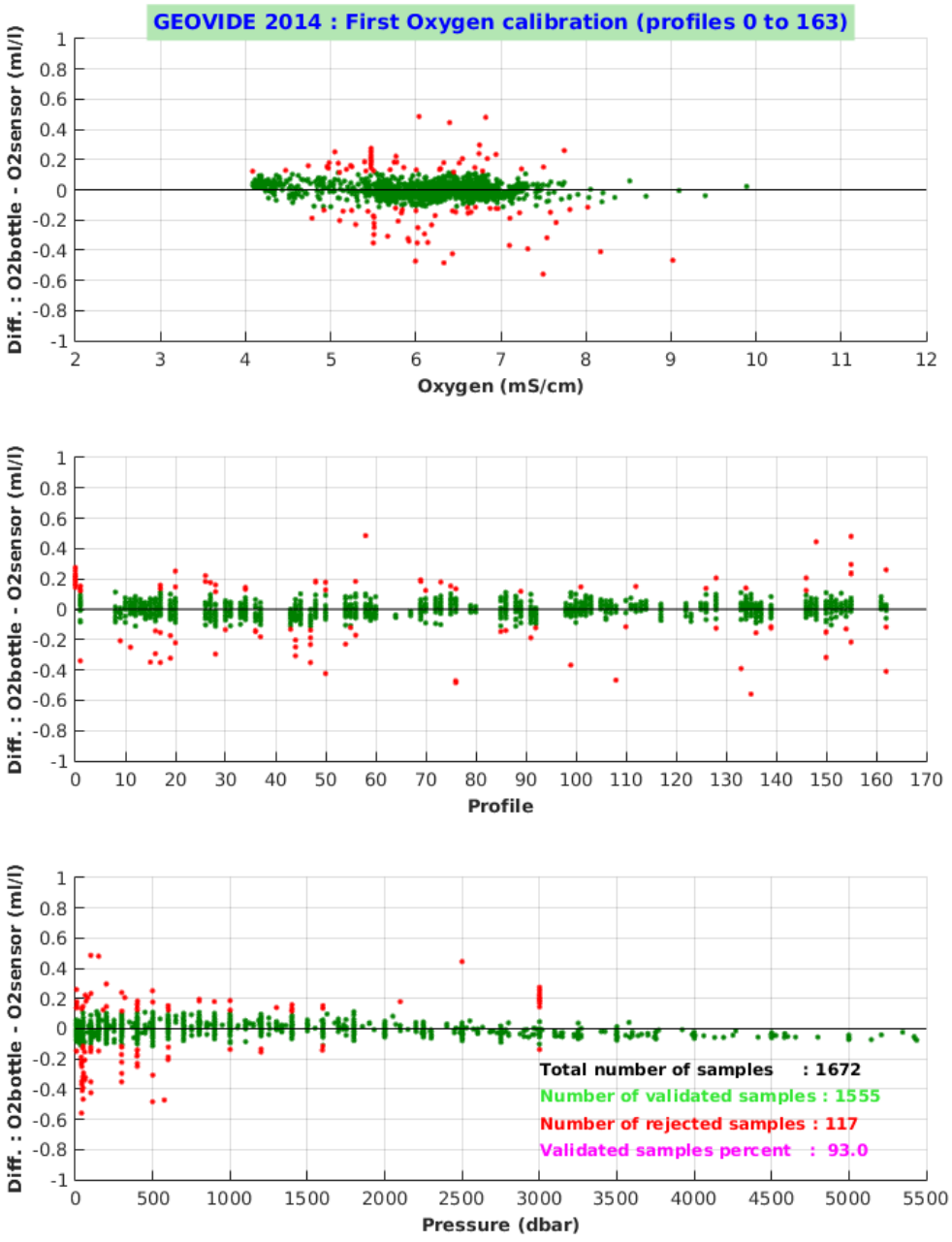


Figure 29 - First Oxygen calibration.

Differences between the oxygen values measured in the samples and that of the CTD downcast profile at the sampling pressure :

a) as a function of the oxygen,
b) as a function of the number of the profile concerned,
c) as a function of the pressure at the sampling level.

These differences are the result of a calculation performed on all the cruise samples with no grouping and no correction for a pressure effect.

3.8.4. Assessment of the calibration of the dissolved oxygen profiles

The table below shows for all casts, the number of oxygen samples considered, the number of validated samples and the standard deviation in three pressure intervals, as well as the calculated parameters of the sensor Soc and Voffset.

Assessment of the calibration of the dissolved oxygen profiles of the GEOVIDE 2014 cruise :

Profile or group of profiles	Number of samples considered	Number of samples conserved in the calculation	Standard deviation			Coefficients	
			0 à 5500	0 à 1000	1000 à 5500	Soc	Voffset
0 - 163	3702	3339 (90.2 %)	0.0276	0.0373	0.0242	0.418694	-0.517036

Figure 30 shows the final differences, after calibration of the profiles and application of a correction factor of degree 1 depending on the pressure, between the oxygen values obtained by analysis of the samples and those provided by the downcast profile at the sampling level. The distribution of these differences is correctly centered and acceptable for each of the cruise profiles. The distribution of the differences presented as a function of the pressure shows that it is also acceptable for all sampling levels.

The histograms in figure 31 allow us to visualize the distribution of differences in a different way and to verify that their distribution is properly centered.

For the complete GEOVIDE 2014 cruise, 3339 samples among the 3702 analyzed, i.e. 90.2 %, were validated and used to calibrate the ctd dissolved oxygen profiles. The differences in oxygen are less than 0.010 ml/l in 33.9 % of cases and less than 0.030 ml/l for 74.8 %, giving a standard deviation of 0.028 ml/l.

Considering only the part of the oxygen profile greater than 980 dbar, i.e. 2628 samples, the differences are less than 0.010 ml/l for 37.9 % and less than 0.030 ml/l for 80.2 %. The resulting standard deviation is 0.024 ml/l.

Figure 32 shows the same histograms for oxygen, in µmol/kg. The differences in oxygen are less than 1 µmol/kg in 53.0 % of cases and less than 3 µmol/kg for 95.7 %, giving a standard deviation of 1.43 µmol/kg.

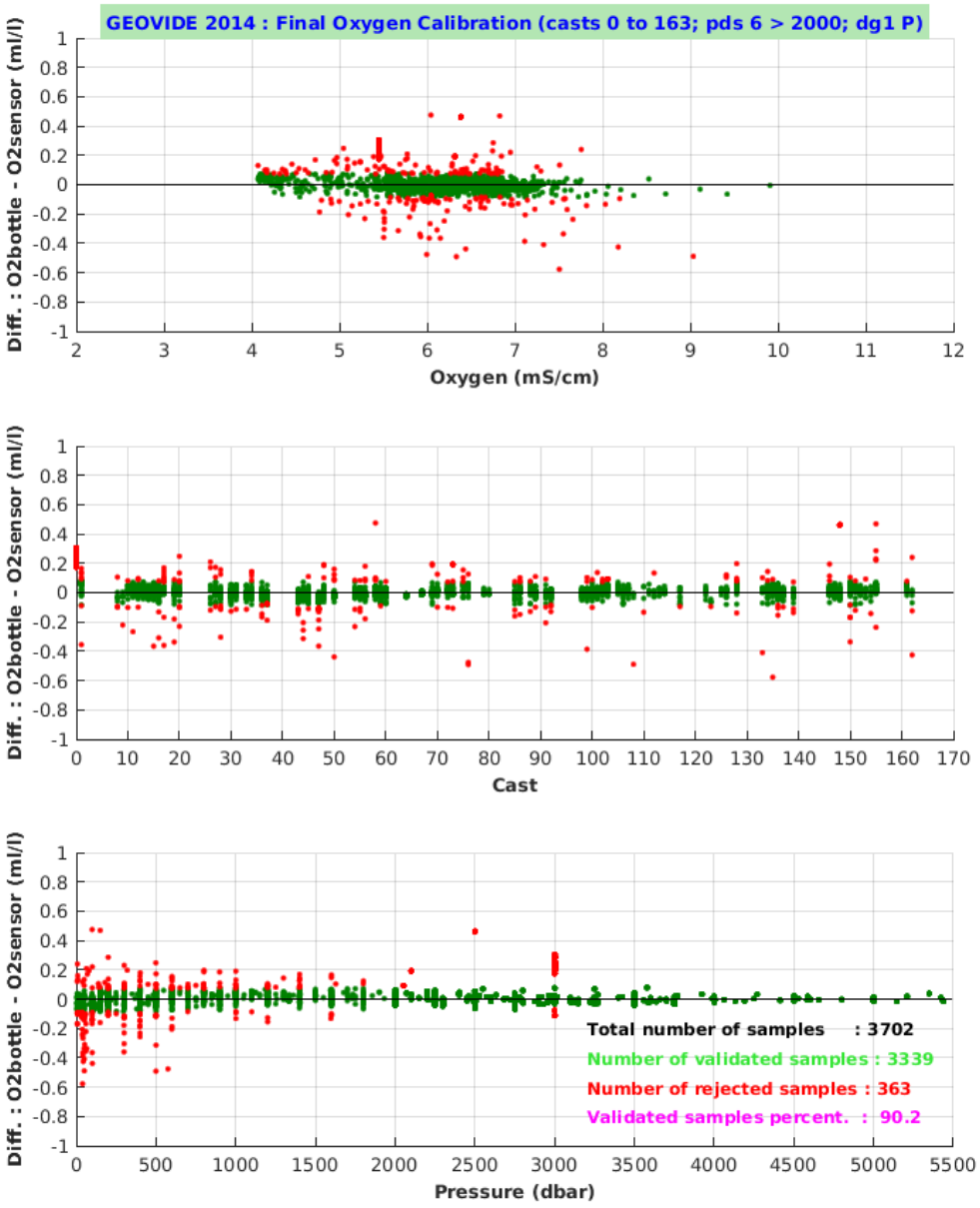


Figure 30 - Final oxygen calibration.

Differences between the oxygen value measured on the 3339 validated samples and that of the CTD downcast profile around the sampling pressure (averaged over a 15 dbar interval):

a) as a function of the oxygen
b) as a function of the number of the profile concerned,
c) as a function of the pressure at the sampling level.

These differences are obtained after a specific calculation performed on all the casts with weight 6 on bottom samples. A polynomial of degree 1 eliminates the dependence of the differences on the pressure.

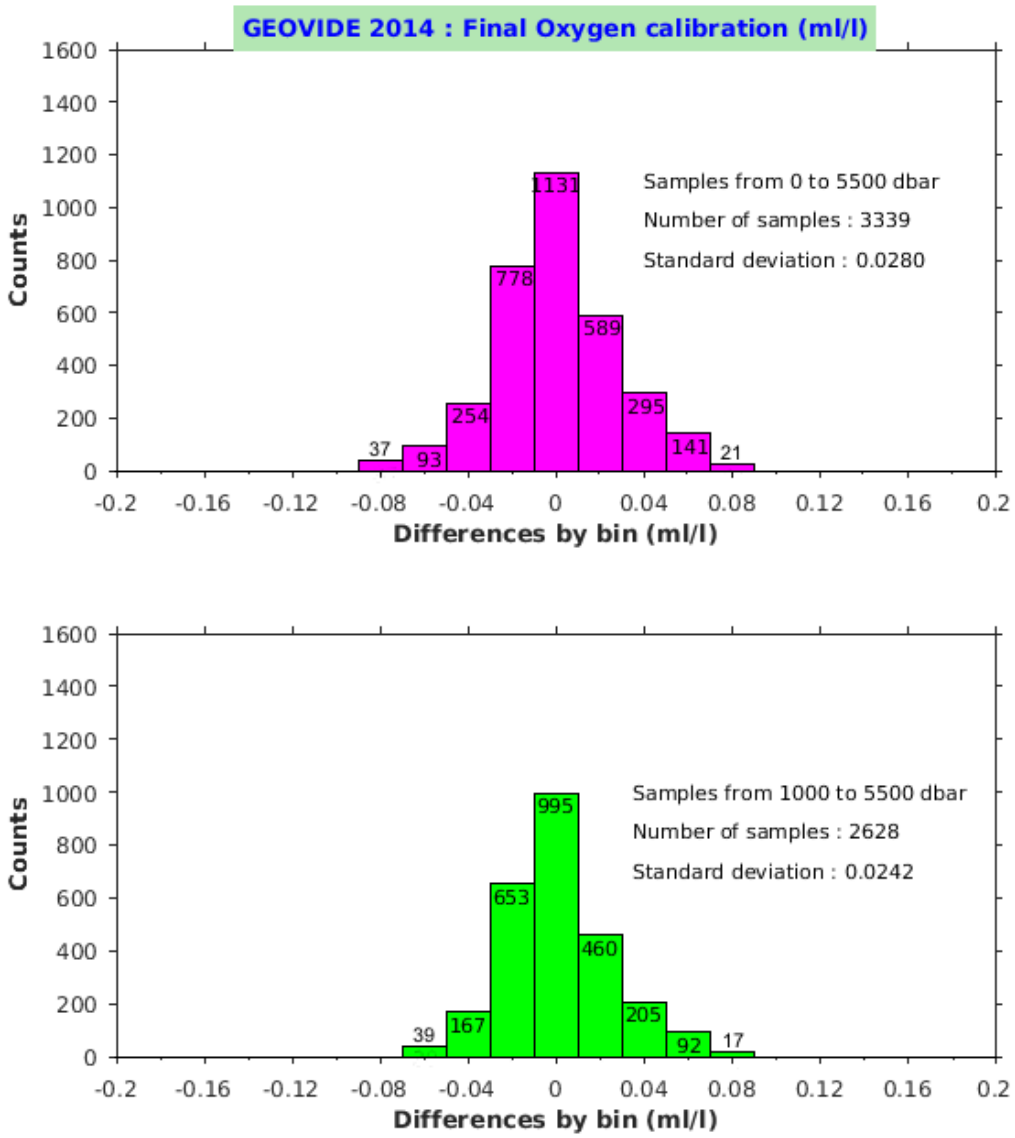


Figure 31 - Histogram of the oxygen differences (ml/l).

Histograms of oxygen differences (ml/l) between the value measured on the validated samples and that of the CTD downcast profile at the sampling pressure (final measurements) :

a) for all the 3339 validated samples on the cruise,

b) for the 2628 validated samples collected at a pressure greater than 980 dbar. The number of samples is increased by the weight applied to deep samples. The real numbers of samples are given in Figure 32.

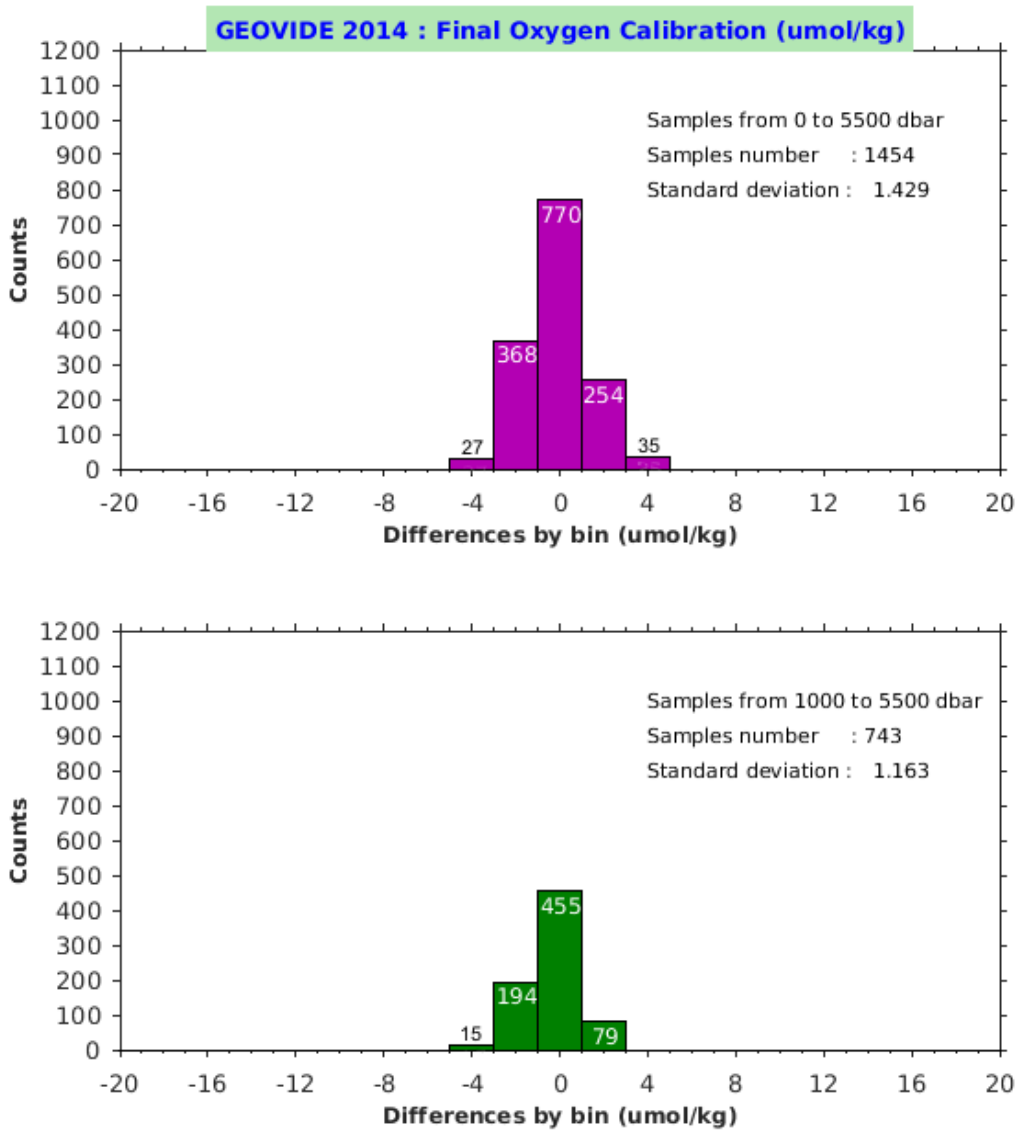


Figure 32 - Histogram of the oxygen differences (umol/kg).

Histograms of the oxygen differences (µmol/kg) between the value measured on the validated samples and that of the CTD downcast profile at the sampling pressure (final measurements) :

a) for all the 1454 validated samples (umol/kg) on the cruise,

b) for the 743 validated samples collected at a pressure greater than 980 dbar.

3.8.5. Validation of the results

Saunders (1986) suggests that the dissolved oxygen concentration is almost uniform in the Northeast Atlantic, at a pressure greater than 3500 dbar, with a value of 5.67 $\pm$ 0.02 ml/l. However, he states that this concentration can be lower by 0.010 ml/l in the eastern part of the basin.

Figure 33 shows all dissolved oxygen measurements obtained by the Winkler method on the samples, as well as the calibrated dissolved oxygen profiles of the GEOVIDE 2014 cruise. From the results of this cruise, at a pressure greater than 3500 dbar and for the casts carried out in the same geographical zone as the previous cruises, the mean value of the dissolved oxygen measurements is close to that of Saunders, but lower by 0.07 ml/l. However, it is less different than in 2012 where we found a shift of -0.1 ml/l.

Figure 34 shows the theta-O_2 profiles of the CTD casts carried out at the same points during the different cruises of CLIVAR Program.

Figure 35 shows all the theta-O_2 diagrams for the GEOVIDE 2014 cruise.

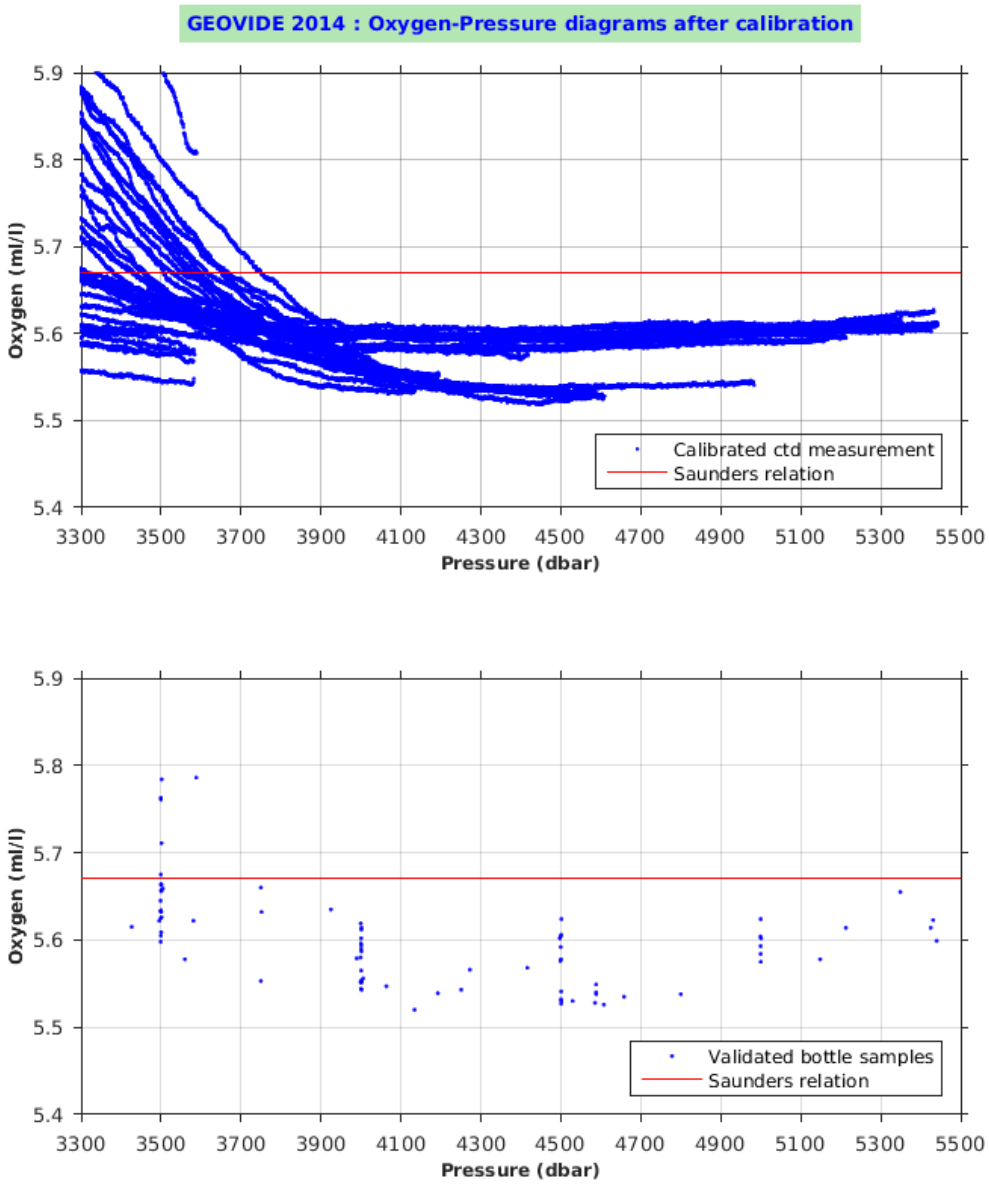


Figure 33 - Oxygen - Pressure diagram.

Dissolved oxygen measurements (profiles 0 to 80) for the GEOVIDE cruise at a pressure greater than 3300 dbar:

a) continuous measurements on the probe downcast profiles,

b) “chemistry” measurements obtained on the samples.

The line represents the reference value proposed by Saunders (1986) in the Northeast Atlantic.

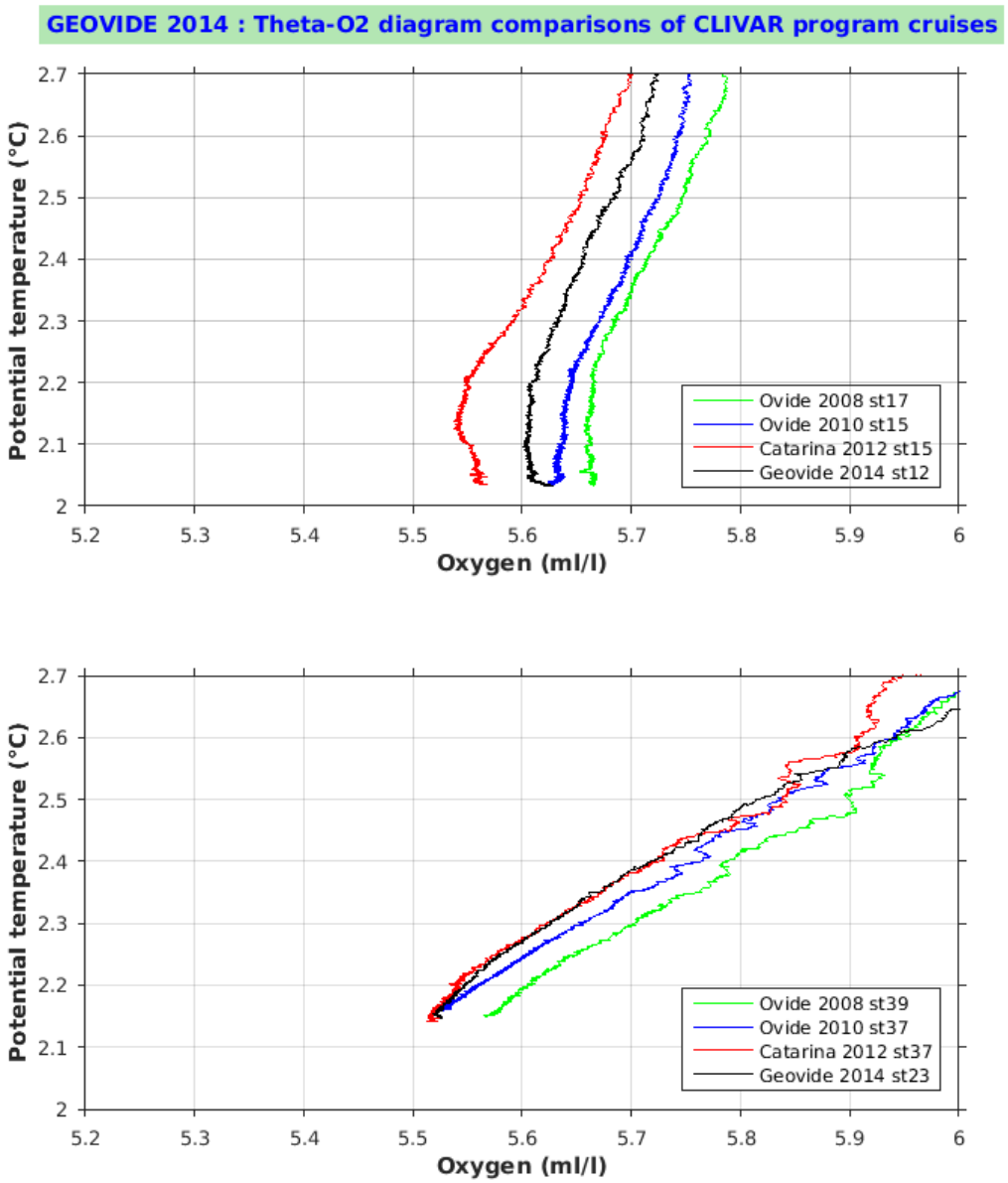


Figure 34 - Theta-O2 comparison.

Comparison of Theta-O_2 profiles carried out at the same points different cruises of CLIVAR Program.

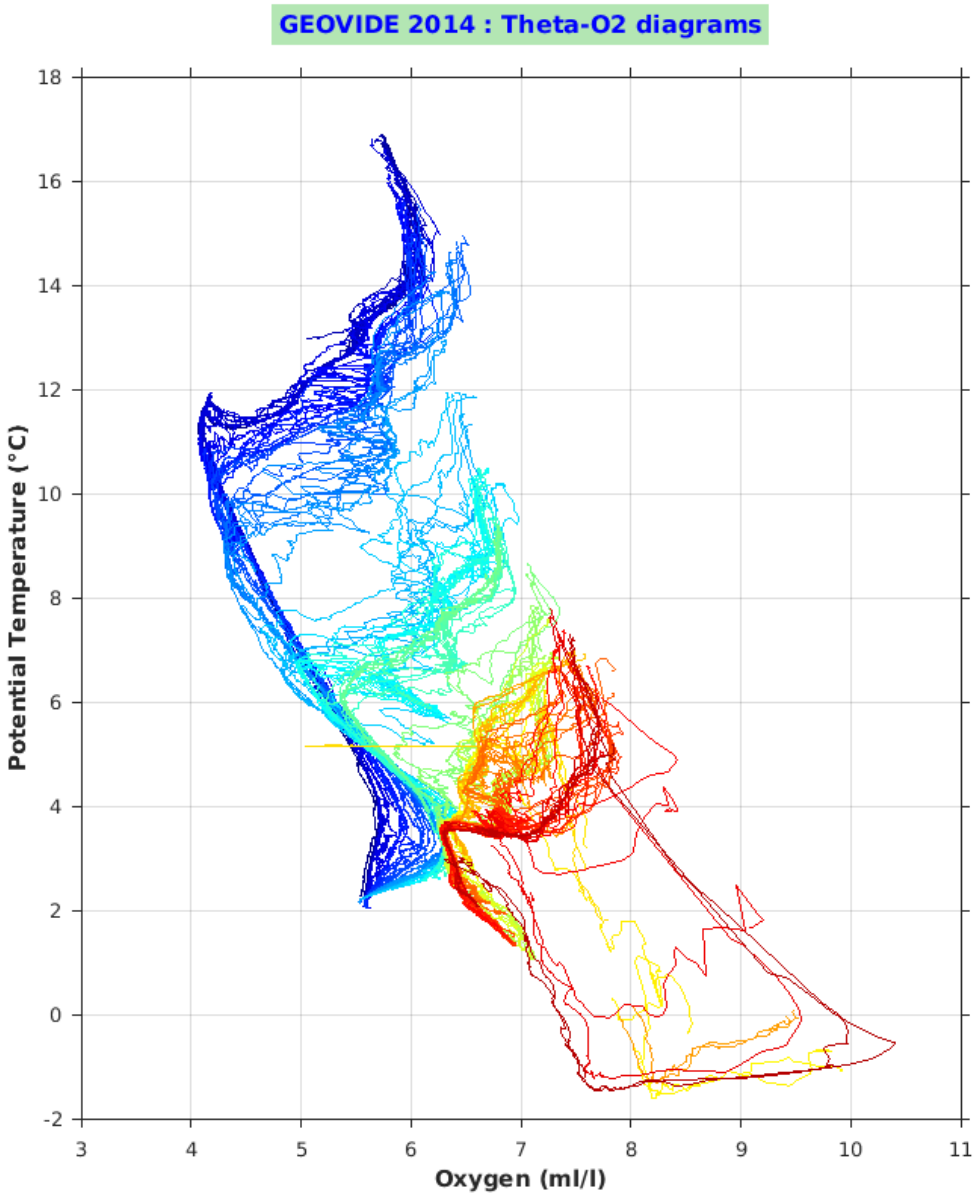


Figure 35 - Theta-O2 diagrams

Theta-O_2 diagrams for stations 0 to 78 of the GEOVIDE 2014 cruise. The color of the profiles changes gradually from blue to red, from profiles 1 to 163.

3.9. Data reduction

All of the calibration part of the data processing is done based on the total probe measurements at 24 Hz. The data are then reduced to one measurement per decibar and we conserve only the set of sensors (primary or secondary) used during the calibration.

The elimination of non-validated cycles and the data reduction was carried out using the parameter gradients as elimination criteria:

abs((ParamCycle(N)-ParamCycle(N-1))/(PressionCycle(N)-PressionCycle(N-1)))

A cycle is validated if the values of the gradients are lower than the selected thresholds. Initially, a determination of the gradient histograms allows us to choose threshold values beyond which the parameters will be rejected. After removal of non-validated cycles, the decimation of the data is performed by calculating, for each integer pressure value, the mean of the parameters on a 1 dbar-layer centered on this value.

The set of criteria used to reduce the probe measurements is described in the document: "Validation et Réduction des données de la sonde SBE9+", C. Kermabon, M. Arhan, Nov 2008.

The options used for the GEOVIDE 2014 cruise are shown below:

Threshold values for stations 0 to 78 :

Echant.	1	Nb val min	6
Seuil P	0.5		
Seuil T, C surf	1.0	Seuil T,C fond	0.2
Seuil O (Volt) surf	1.0	Seuil O (Volt) fond	1.0

The downcast and upcast files were generated in netcdf format:

. geohd*_cli.nc for the downcasts
. geoha*_cli.nc for the upcasts

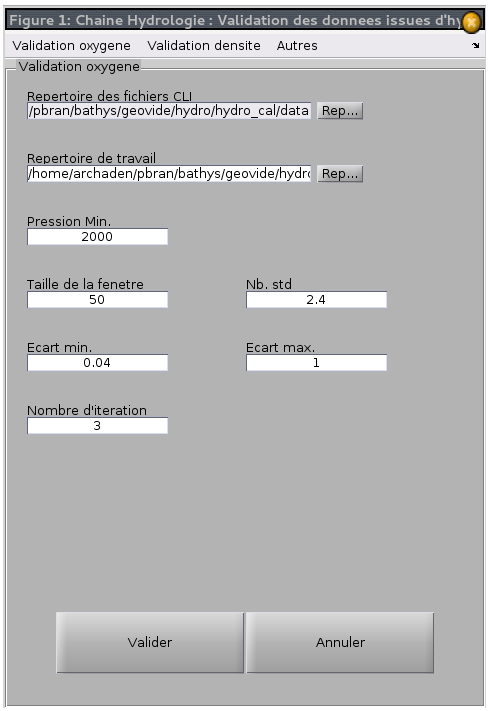
3.10. Validation of the profiles

The Hydro_val software (see Hydro_val: CTD data validation software) first flags as 'bad' (QC = 4), the small number of oxygen peaks which were not eliminated during the data reduction.

The second function of hydro_val is to analyze the density inversions in order to flag the corresponding T, S, O_2 data as bad, if necessary.

3.10.1. Validation of the oxygen

The window on the right shows the options used to validate the dissolved oxygen profiles from stations 0 to 78. The downcasts and upcasts are corrected.



3.10.2. Density inversions

By superposing the reduced file, the adjusted file at 24 Hz and the file before loopedit at 24 Hz on the same graph, we can detect density inversions linked to the drag of the probe.

We can see on the graph below (figure 35) that the peak at 1971 and 1972 dbar in T and C corresponds to the measurements recorded by the probe 3.0 dbar previously. This crossed water (blue arrows) was drawn in by the frame and pollutes the sensors when the probe slows down. These inversions are not at all physical: they must be identified and the quality flag is set to 4 (QC = 4) for all the parameters. During the transfer to the.clc.nc files (intermediate format before the multi-cast format), a linear interpolation will be performed at these locations.

The reduced profile is shown in red, the adjusted data at 24 Hz in black, and the data at 24 Hz before loopedit in grey.

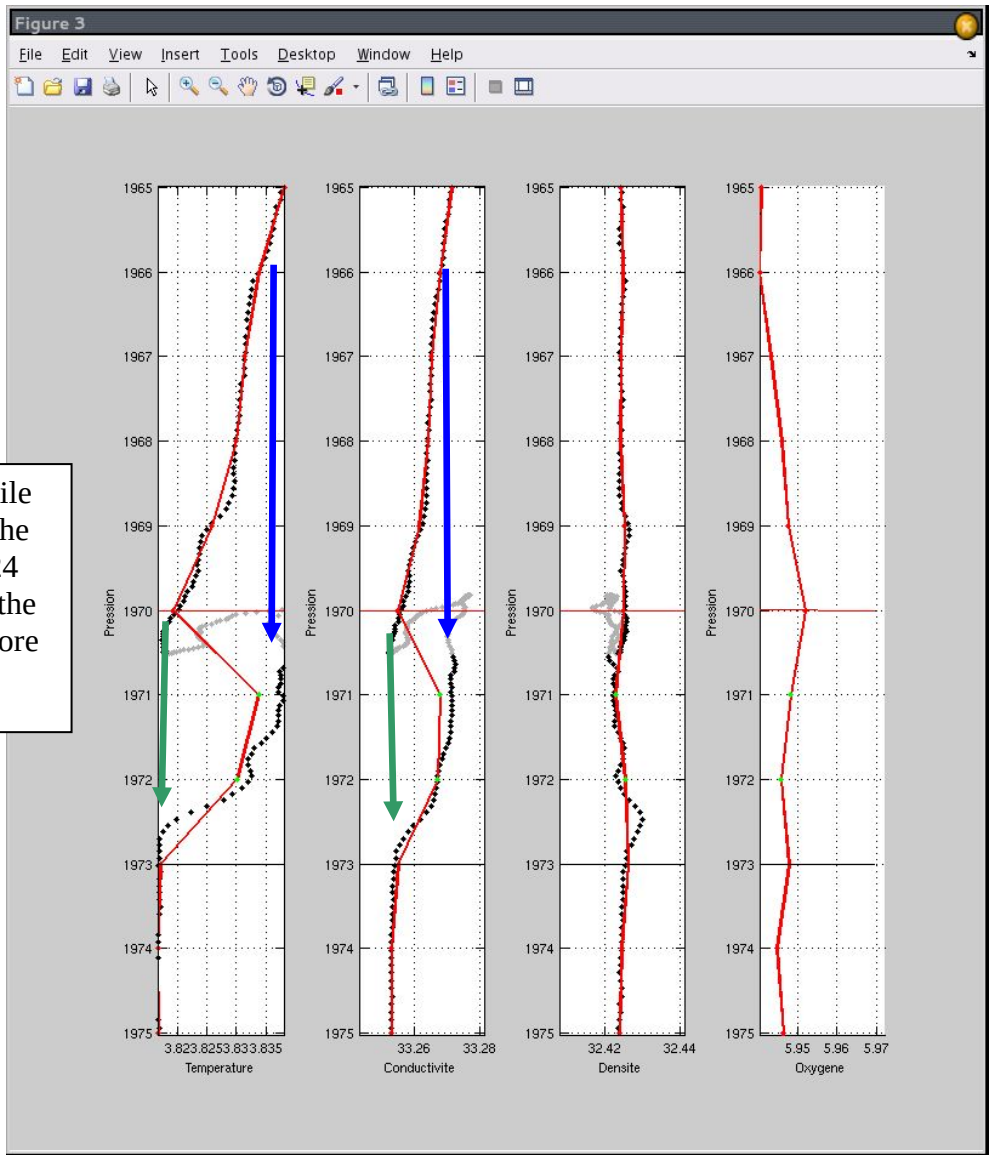


Figure 36 - Exemple of invalidation of density inversions.

Hydro_val allows to remove the sensor value (T, C, O2) that will be replaced by a linear interpolation between 1970 dbar and 1973 dbar as shown by the green arrows.

3.11. Accuracy of the GEOVIDE measurements

The calibration of the CTD measurements ends with the determination of the accuracy of the different types of measurements (probe, chemistry). The table below shows the accuracies obtained for GEOVIDE 2014.

Probe Param.	Value	Unit	Chemical Param.	Value	Unit
PRES	1.0	dbar			
TEMP	0.001	°C			
COND	0.0012	mS/cm			
PSAL	0.0013	psu	CHPSALB	0.0014	psu
OXY	0.028	ml/l	CHOXYLB	0.016	ml/l
OXYK	1.4	µmol/kg	CHOXYKB	0.7	µmol/kg
			CHTMPOB	0.3	°C

Based on the study of Saout-Grit et al. (2015), a sensitivity study was done on the oxygen calibrated data by comparing the value of the oxygen samples with (i) the upcast oxygen probe data at the depth of the bottles, or (ii) the downcast oxygen probe data after readjusting the depth of the data according to the value of the density at the upcast. The best results were obtained in the first case (upcast data), for which the standard deviation of the differences between all probe and chemistry pairs was found equal to that of the pairs below 1000 m in the present calibration (0.025 ml/l and 1.2 µmol/kg). For this reason, we chose to use the latter to determine the accuracy of the probe oxygen data.
Furthermore, a specific chemistry file was created for our GEOVIDE partners that includes the probe oxygen values at the upcast and restore the quality flag to "good" (1) for several chemical values that were flagged bad because of the variability of the upper 1000 meters of the ocean. This excel file is available on the LEFE-CYBER database[4].

[4] http://www.obs-vlfr.fr/proof/php/geovide/geovide.php

3.12. Corrections of GEOVIDE 2014 profiles

3.12.1. corrections on raw data (before hydro_nett)

. file 0 (st 0, cast 2)

Oxygen (Volt):

. replacement of downcast oxygen O_0 measurements from scans 49596 to 50515 by the downcast oxygen O_1 measurements ($O_0d = O_1d - 0.1$).

. replacement of downcast oxygen O_0 measurements from scans 51660 to 52141 by the downcast oxygen O_1 measurements ($O_0d = O_1d - 0.095$).

. replacement of downcast oxygen O_0 measurements from scans 49596 to 50515 by the downcast oxygen O_1 measurements ($O_0d = O_1d - 0.1$).

. replacement of upcast oxygen O_0 measurements from scans 264052 to 264883 by the upcast oxygen O_1 measurements ($O_0u = O_1u - 0.02$).

. file 1 (st 1, cast 1)

Oxygen (Volt):

. replacement of upcast oxygen O_0 measurements from scans 224090 to 232099 by the upcast oxygen O_1 measurements ($O_0u = O_1u - 0.036$).

. file 13 (st 7, cast 1)

Conductivity:

. linear interpolation from 88220 to 88222 on the downcast conductivity C_0 measurements.

. file 14 (st 8, cast 1)

Conductivity:

. linear interpolation from 217998 to 218002 on the upcast conductivity C_0 measurements.

. file 47 (st 24, cast 1)

Conductivity:

. linear interpolation from 158839 to 158850 on the upcast conductivity C_0 measurements.

. file 99 (st 45, cast 1)

Temperature:

. replacement of downcast temperature T_0 measurements from scans 41048 to 41087 by the downcast temperature T_1 measurements ($T_0d = T_1d$).

. replacement of downcast temperature T_0 measurements from scans 62632 to 63606 by the downcast temperature T_1 measurements ($T_0d = T_1d$).

Conductivity:

. replacement of downcast conductivity C_0 measurements from scans 41048 to 41087 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.0011$).

. replacement of downcast conductivity C_0 measurements from scans 62632 to 63606 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.0011$).

Oxygen (Volt):

. replacement of downcast oxygen O_0 measurements from scans 27528 to 28208 by the downcast oxygen O_1 measurements ($O_0d = O_1d + 0.073$).

. replacement of downcast oxygen O_0 measurements from scans 35962 to 36318 by the upcast oxygen O_0 measurements ($O_0d = O_0u + 0.018$).

. replacement of downcast oxygen O_0 measurements from scans 38892 to 39351 by the upcast oxygen O_0 measurements ($O_0d = O_0u + 0.013$).

. replacement of downcast oxygen O_0 measurements from scans 41024 to 42781 by the upcast oxygen O_0 measurements ($O_0d = O_0u + 0.013$).

. replacement of downcast oxygen O_0 measurements from scans 60915 to 69332 by the downcast oxygen O_1 measurements ($O_0d = O_1d - 0.010$).

. file 100 (st 46, cast 1)

Temperature:

. replacement of downcast temperature T_0 measurements from scans 64553 to 64916 by the downcast temperature T_1 measurements ($T_0d = T_1d - 0.0004$).

. replacement of downcast temperature T_0 measurements from scans 68344 to 69371 by the downcast temperature T_1 measurements ($T_0d = T_1d - 0.0004$).

Conductivity:

. replacement of downcast conductivity C_0 measurements from scans 64553 to 64916 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.0014$).

. replacement of downcast conductivity C_0 measurements from scans 68344 to 69731 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.0014$).

Oxygen (Volt):

. replacement of downcast oxygen O_0 measurements from scans 64584 to 65820 by the upcast oxygen O_0 measurements ($O_0d = O_0u + 0.011$).

. replacement of downcast oxygen O_0 measurements from scans 68386 to 70316 by the downcast oxygen O_1 measurements ($O_0d = O_1d - 0.009$).

. file 101 (st 47, cast 1)

Temperature:

. replacement of downcast temperature T_0 measurements from scans 33657 to 34161 by the downcast temperature T_1 measurements ($T_0d = T_1d$).

. replacement of downcast temperature T_0 measurements from scans 60242 to 61260 by the downcast temperature T_1 measurements ($T_0d = T_1d - 0.0004$).

Conductivity:

. replacement of downcast conductivity C_0 measurements from scans 33657 to 34161 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.0014$).

. replacement of downcast conductivity C_0 measurements from scans 60242 to 61260 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.0014$).

. file 102 (st 48, cast 1)

Temperature:

. replacement of downcast temperature T_0 measurements from scans 24053 to 24588 by the downcast temperature T_1 measurements ($T_0d = T_1d + 0.0003$).

. replacement of downcast temperature T_0 measurements from scans 51205 to 51693 by the downcast temperature T_1 measurements ($T_0d = T_1d$).

Conductivity:

. replacement of downcast conductivity C_0 measurements from scans 24053 to 24588 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.0014$).

. replacement of downcast conductivity C_0 measurements from scans 51205 to 51693 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.0014$).

Oxygen (Volt):

. replacement of downcast oxygen O_0 measurements from scans 24015 to 25057 by the upcast oxygen O_0 measurements ($O_0d = O_0u + 0.001$).

. replacement of downcast oxygen O_0 measurements from 51176 to 52211 by the downcast oxygen O_1 measurements ($O_0d = O_1d - 0.048$).

. file 103 (st 49, cast 1)

Temperature:

. replacement of downcast temperature T_0 measurements from scans 28616 to 29333 by the downcast temperature T_1 measurements ($T_0d = T_1d + 0.0003$).

. replacement of downcast temperature T_0 measurements from scans 30982 to 31461 by the downcast temperature T_1 measurements ($T_0d = T_1d + 0.0003$).

Conductivity:

. replacement of downcast conductivity C_0 measurements from scans 28616 to 29333 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.0014$).

. replacement of downcast conductivity C_0 measurements from scans 30982 to 31461 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.0014$).

Oxygen (Volt):

. replacement of downcast oxygen O_0 measurements from scans 27697 to 30138 by the downcast oxygen O_1 measurements ($O_0d = O_1d + 0.068$).

. replacement of downcast oxygen O_0 measurements from scans 31005 to 32262 by the upcast oxygen O_0 measurements ($O_0d = O_0u + 0.007$).

. file 105 (st 50, cast 1)

Oxygen (Volt):

. replacement of downcast oxygen O_0 measurements from scans 18303 to 20440 by the downcast oxygen O_1 measurements ($O_0d = O_1d + 0.072$).

. replacement of downcast oxygen O_0 measurements from scans 42542 to 43005 by the downcast oxygen O_1 measurements ($O_0d = O_1d + 0.052$).

. replacement of upcast oxygen O_0 measurements from scans 31005 to 32262 by the upcast oxygen O_1 measurements ($O_0m = O_1u + 0.045$).

. file 106 (st 51, cast 1)

Oxygen (Volt):

. replacement of downcast oxygen O_0 measurements from scans 20475 to 20975 by the downcast oxygen O_1 measurements ($O_0d = O_1d + 0.078$).

. replacement of downcast oxygen O_0 measurements from scans 28428 to 29291 by the downcast oxygen O_1 measurements ($O_0d = O_1d + 0.078$).

. file 107 (st 52, cast 1)

Oxygen (Volt):

. replacement of downcast oxygen O_0 measurements from scans 21974 to 23624 by the upcast oxygen O_0 measurements ($O_0d = O_0u$).

. file 113 (st 57, cast 1)

Temperature:

. replacement of downcast temperature T_0 measurements from scans 14709 to 19208 by the downcast temperature T_1 measurements ($T_0d = T_1d + 0.00005$).

Conductivity:

. replacement of downcast conductivity C_0 measurements from scans 14709 to 19208 by the downcast conductivity C_1 measurements ($C_0d = C_1d + 0.001$).

. file 117 (st 60, cast 3)

Pressure

. line 38001 corrected.

Temperature

. line 41187 corrected.

Conductivity:

. linear interpolation from scans 37878 to 37879 on the upcast conductivity C_0 measurements.

. linear interpolation from scans 38564 to 38565 on the upcast conductivity C_0 measurements.

. linear interpolation from scans 38945 to 38946 on the upcast conductivity C_0 measurements.

. linear interpolation scans from 40313 to 40314 on the upcast conductivity C_0 measurements.

. linear interpolation scans from 40978 to 40979 on the upcast conductivity C_0 measurements.

. linear interpolation scans from 41185 to 41186 on the upcast conductivity C_0 measurements.

. linear interpolation from scans 43429 to 43430 on the upcast conductivity C_0 measurements.

. linear interpolation from scans 44835 to 44836 on the upcast conductivity C_0 measurements.

. linear interpolation from scans 50874 to 50875 on the upcast conductivity C_0 measurements.

. linear interpolation from scans 53562 to 53563 on the upcast conductivity C_0 measurements.

. linear interpolation from scans 68735 to 68736 on the upcast conductivity C_0 measurements.

. linear interpolation from scans 70503 to 70505 on the upcast conductivity C_0 measurements.

. linear interpolation scans from 73019 to 73020 on the upcast conductivity C_0 measurements.

. file 135 (st 66, cast 1)

Temperature:

. replacement of downcast temperature T_0 measurements from scans 91622 to 99603 by the downcast temperature T_1 measurements ($T_0m = T_1m$).

Conductivity:

. replacement of downcast conductivity C_0 measurements from scans 91724 to 99083 by the downcast conductivity C_1 measurements ($C_0m = C_1m$).

Oxygen (Volt):

. replacement of downcast oxygen O_0 measurements from scans 31005 to 32262 by the downcast oxygen O_1 measurements ($O_0m = O_1m - 0.04$).

3.12.2. corrections on calibrated data (after hydro_val)

. file 0 (st 0, cast 2)

Salinity

. linear interpolation between scans 1251 et 1263 on the downcast measurements. The quality flag remains at 1.

. file 58 (st 30, cast 1)

Oxygen (ml/l)

. replacement of downcast oxygen measurements from scans 2303 dbar to 2331 dbar by the upcast oxygen measurements. The quality flag remains at 1.

. file 99 (st 45, cast 1)

Salinity

. replacement of downcast salinity measurements from scans 2486 dbar to 2509 dbar by the upcast salinity measurements. The quality flag remains at 1.

. file 102 (st 48, cast 1)

Salinity

. linear interpolation between scans 815 to 835 dbar.

. replacement of downcast salinity measurements from scans 1911 dbar to 1927 dbar by the upcast salinity measurements. The quality flag remains at 1.

. file 103 (st 49, cast 1)

Salinity

. from scans 976 dbar to 979 dbar, the quality flag is set to 4.

. from scans 996 dbar to 999 dbar, the quality flag is set to 4.

. file 106 (st 51, cast 1)

Salinity

. from scans 963 dbar to 969 dbar, the quality flag is set to 4.

Oxygen (ml/l)

. linear interpolation between scans 636 to 641 dbar.

. file 113 (st 57, cast 1)

. for 513, 528, 529, 545, 546 and 549 dbar, the quality flag is set to 4 for T, C, S, O_2.

. from 553 to 558 dbar, the quality flag is set to 4 for T, C, S.

. from 455 dbar to 559 dbar, the quality flag is set to 4 for O_2.

. for 559 dbar, the value of probe oxygen measurement is replaced by the value of chemical oxygen measurement from bottle 2.

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5. LISTINGS AND FIGURES OF THE CTD PARAMETERS

Figures of the various sections generated from the cruise data are presented below, followed by listings and detailed figures profile by profile.

5.1. Remarks

a) Description of the profiles:

1. The latitude and longitude indicate the positioning of the ship at the beginning of the descent profile.
2. The depth indicated is a calculation obtained by summing the maximum pressure (in meters) reached by the CTD and the bottom-pinger distance.

b) The temperature, salinity and dissolved oxygen measurements come from the downcast profile of the ctd.

c) The measurements shown are extracted from the files of type **_clc.nc**, the listed levels are:

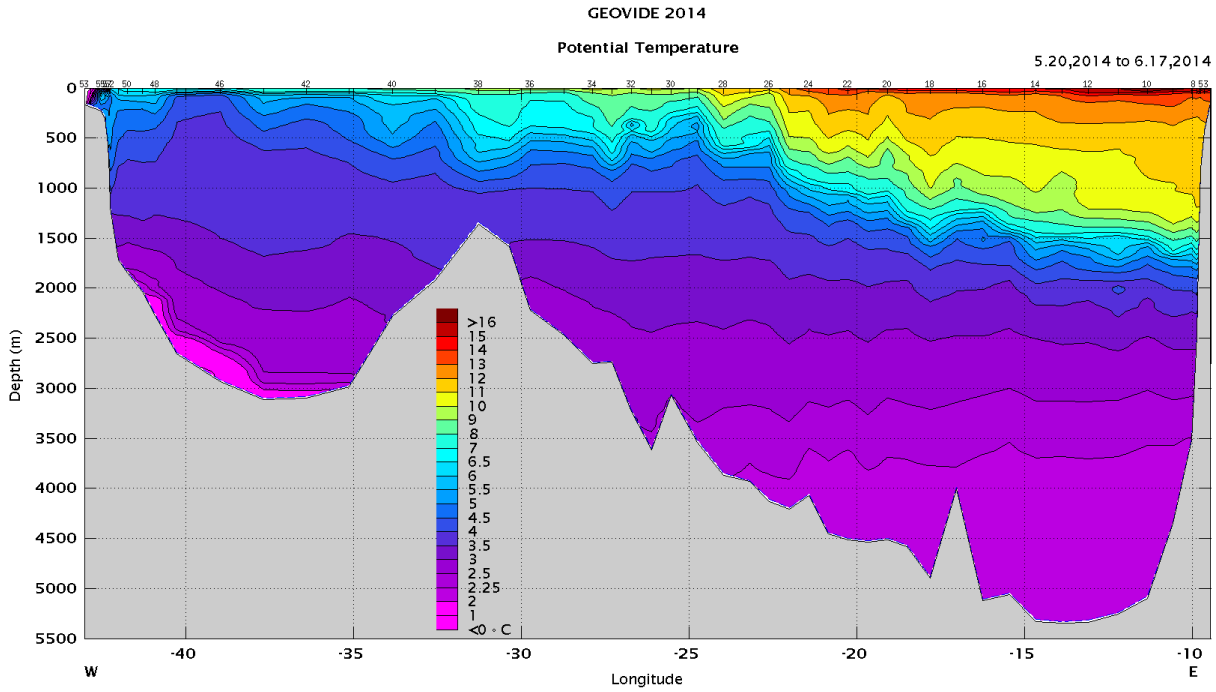
. the first level
. every 10 dbar up to 50 dbar
. every 50 dbar from 50 dbar to the bottom
. the last level

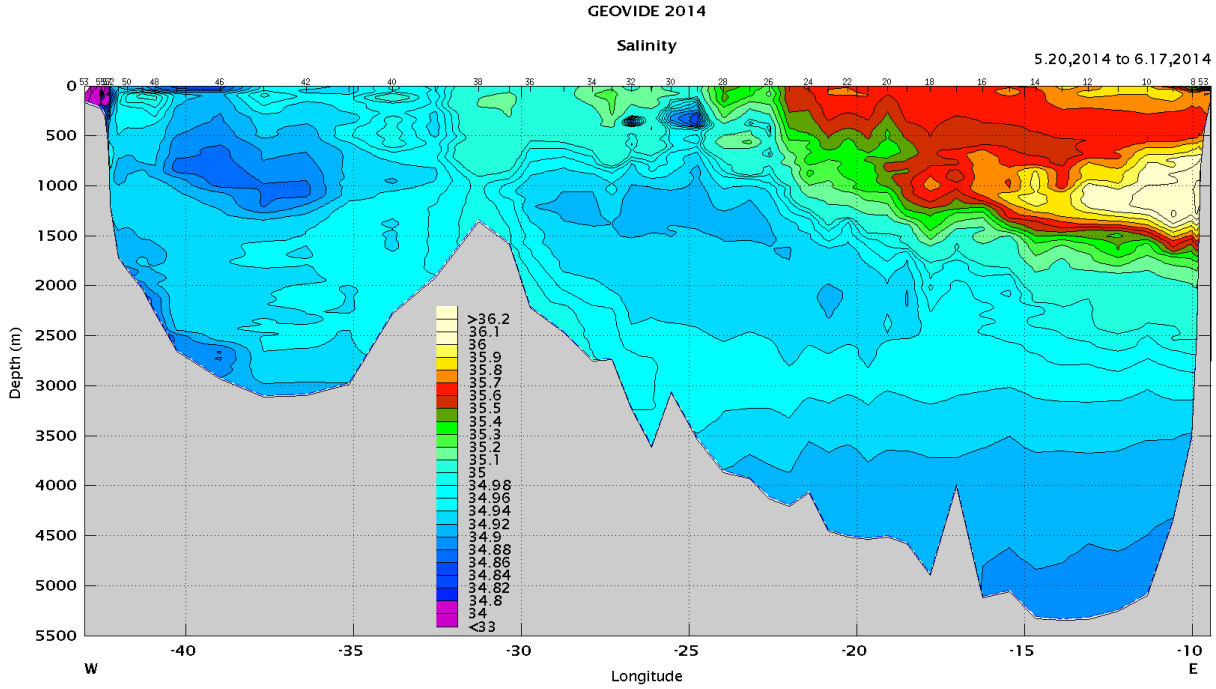
d) For the missing pressure levels (mean not calculated in the data acquisition), the measurements are interpolated. Near the surface, the measures are extrapolated up to level 1 by copying those of the first reduced level.

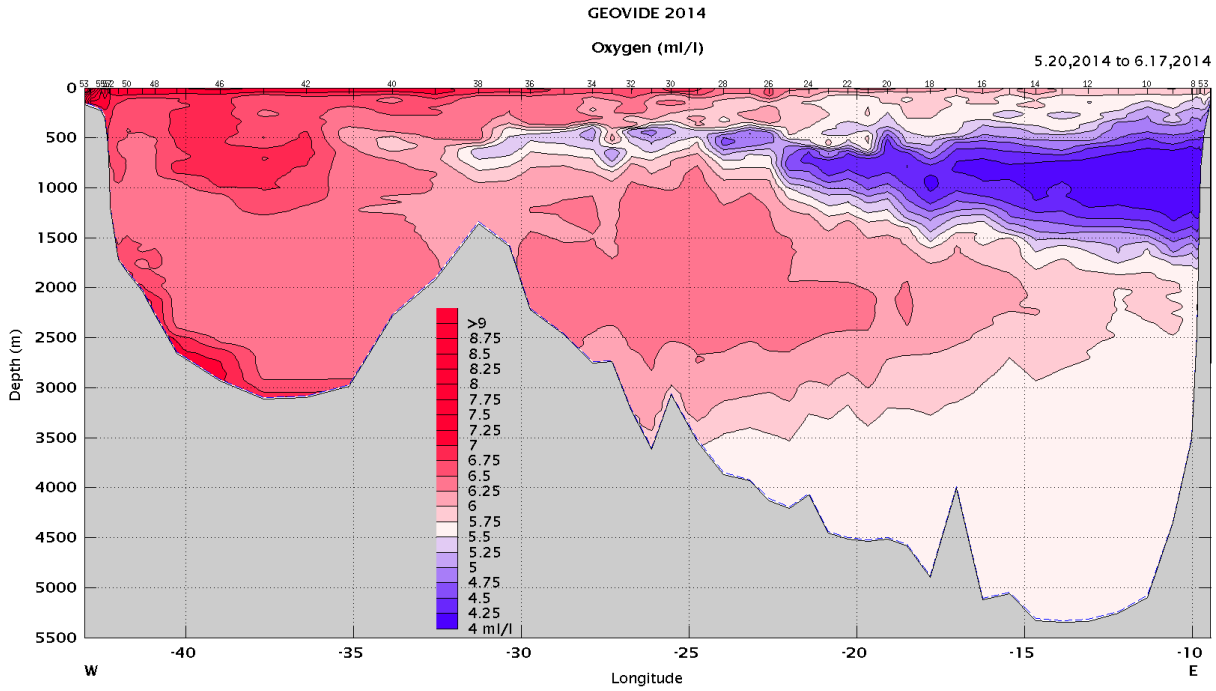
e) Listings and plots show the results as a function of the pressure (expressed in dbar).

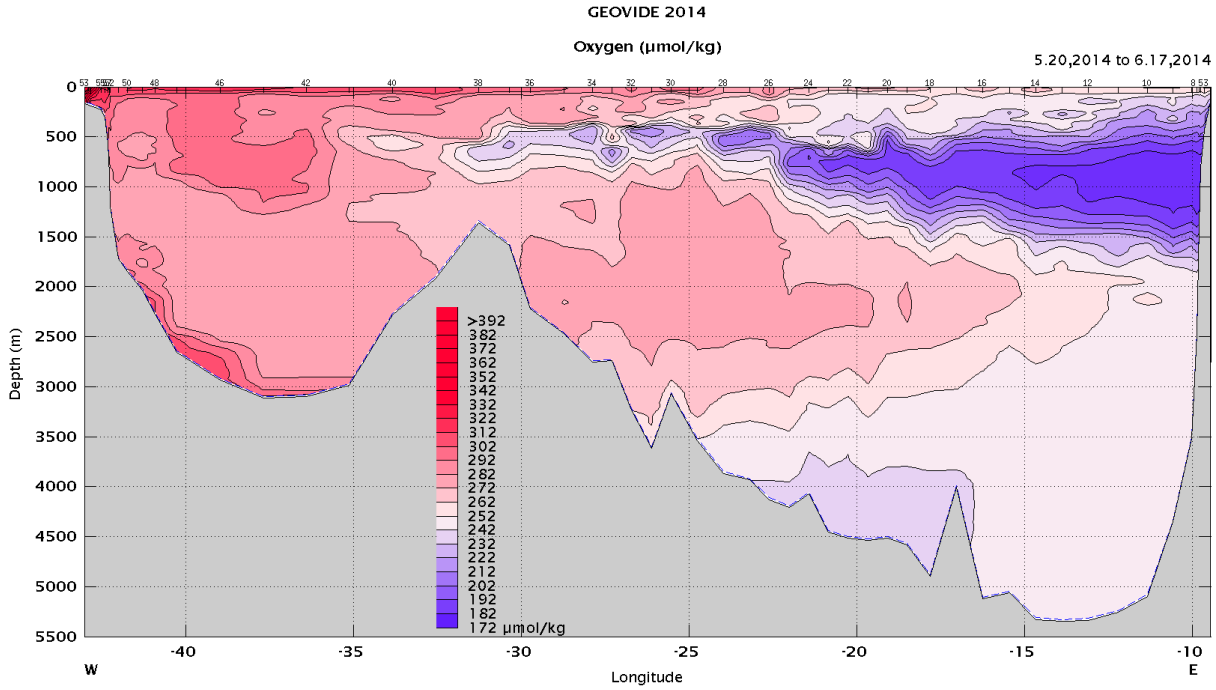
f) The profiles are numbered sequentially from 0 to 163 corresponding to stations 0 to 78.

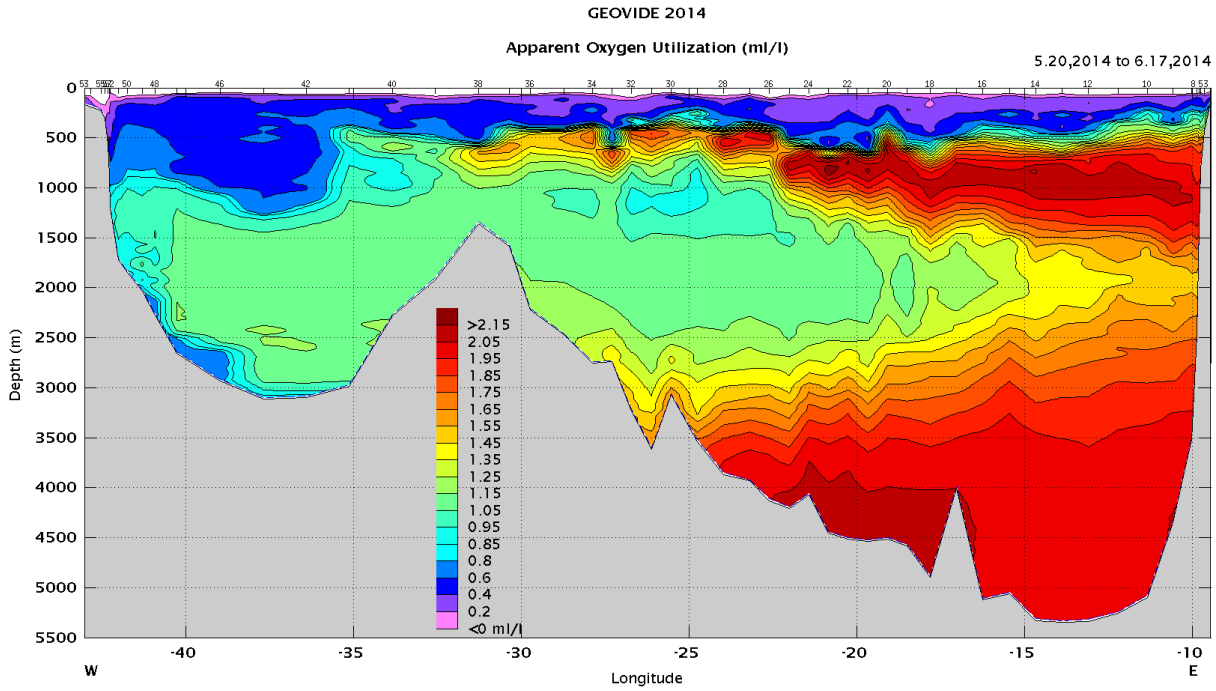
5.2. Sections

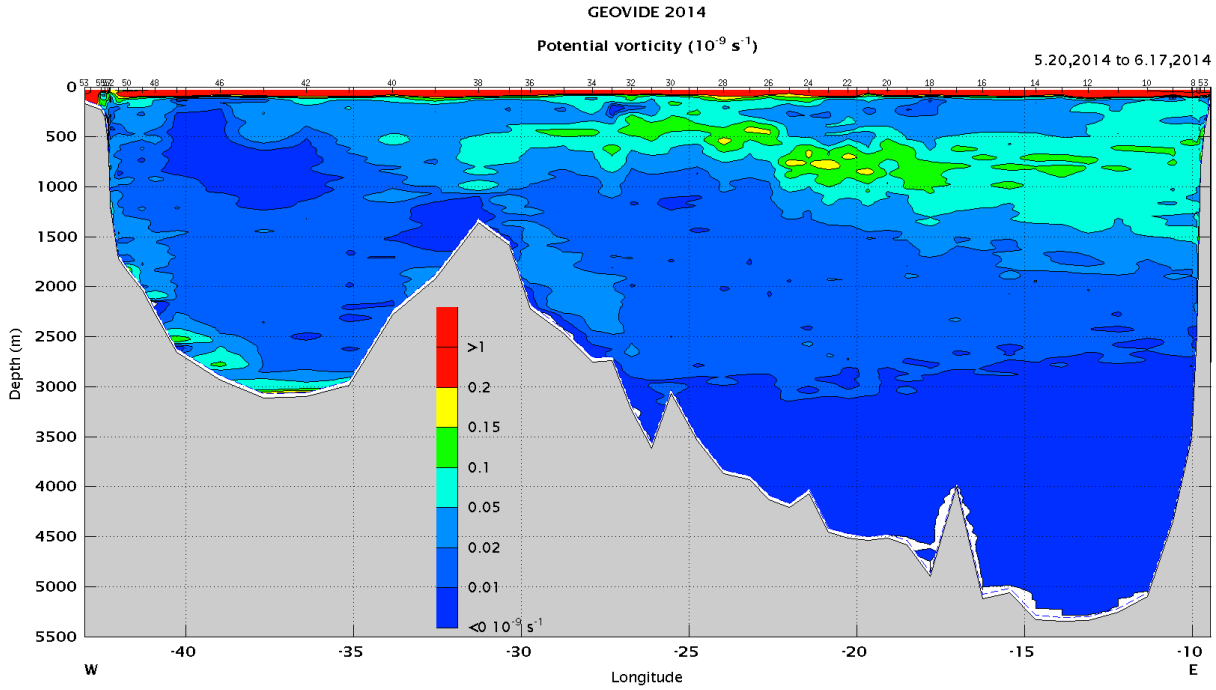

GEOVIDE 2014
Potential Temperature
5.20,2014 to 6.17,2014
Depth (m)
Longitude
W
E
>16
15
14
13
12
11
10
9
8
7
6.5
6
5.5
5
4.5
4
3.5
3
2.5
2.25
2
1
<0 ◦ C

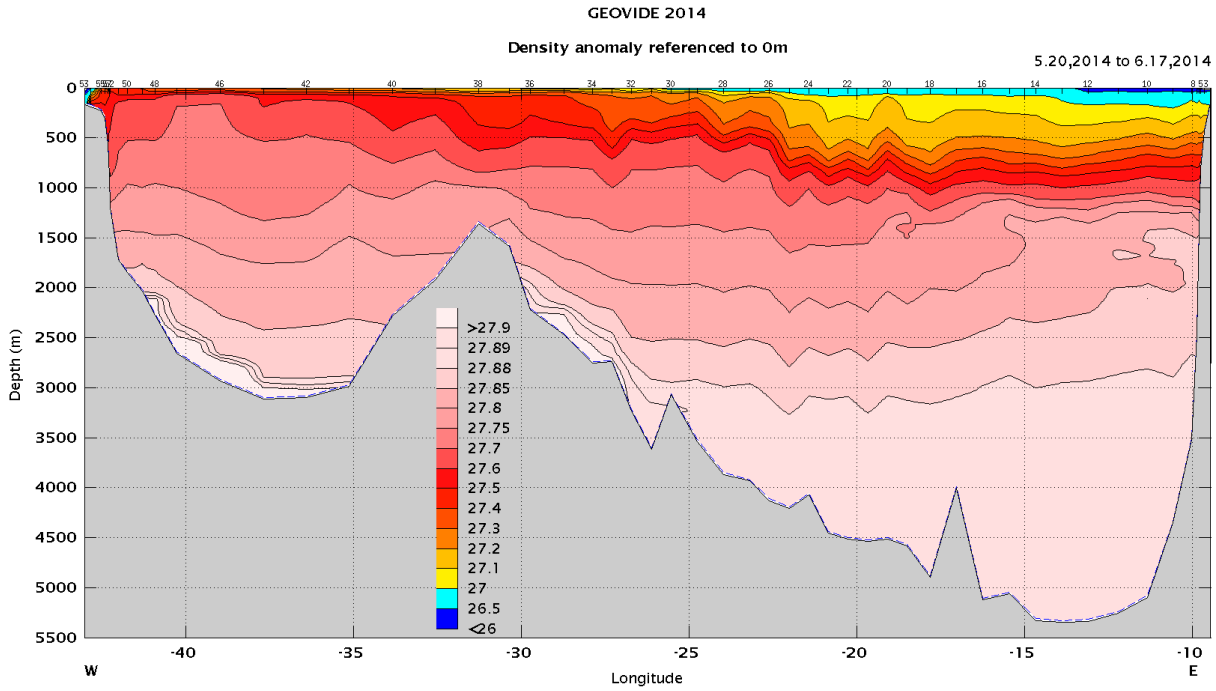

GEOVIDE 2014
Salinity
5.20,2014 to 6.17,2014
Depth (m)
Longitude
W
E
>36.2
36.1
36
35.9
35.8
35.7
35.6
35.5
35.4
35.3
35.2
35.1
35
34.98
34.96
34.94
34.92
34.9
34.88
34.86
34.84
34.82
34.8
34
<33

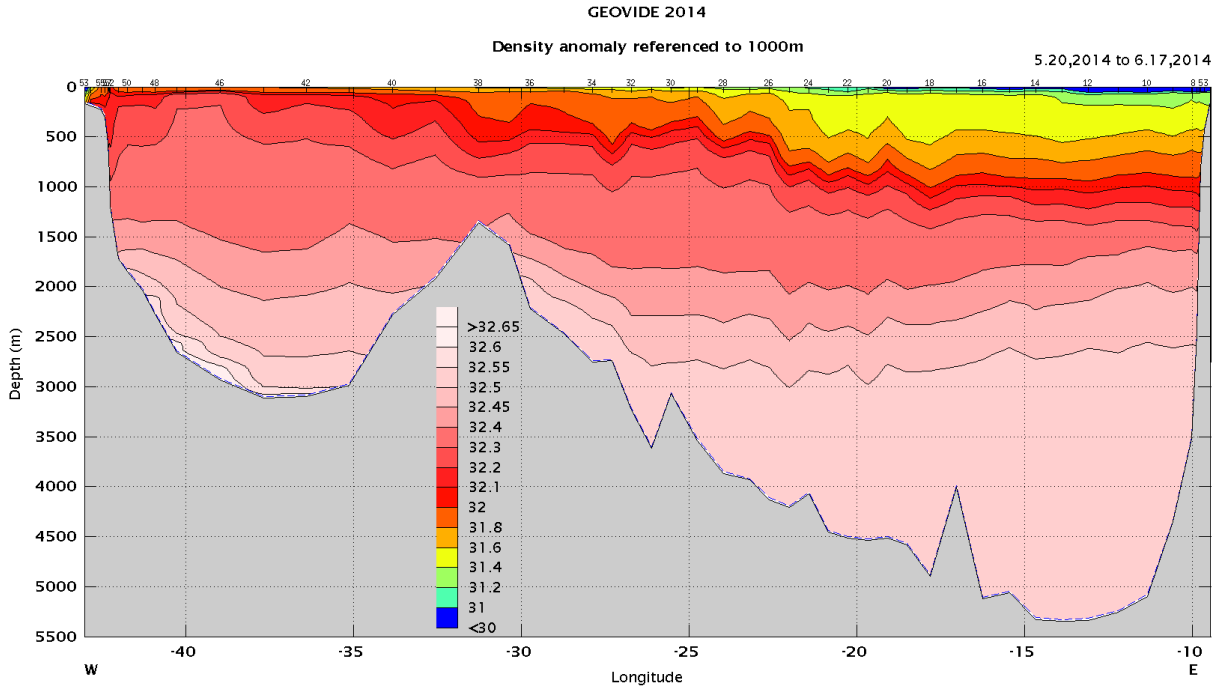

GEOVIDE 2014
Oxygen (ml/l)
5.20,2014 to 6.17,2014
Depth (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
>9
8.75
8.5
8.25
8
7.75
7.5
7.25
7
6.75
6.5
6.25
6
5.75
5.5
5.25
5
4.75
4.5
4.25
4 ml/l
-40
-35
-30
-25
-20
-15
-10
W
E
Longitude


GEOVIDE 2014
Oxygen (µmol/kg)
5.20,2014 to 6.17,2014
Depth (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
>392
382
372
362
352
342
332
322
312
302
292
282
272
262
252
242
232
222
212
202
192
182
172 µmol/kg
-40
-35
-30
-25
-20
-15
-10
W
E
Longitude


GEOVIDE 2014
Apparent Oxygen Utilization (ml/l)
5.20,2014 to 6.17,2014
Depth (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
>2.15
2.05
1.95
1.85
1.75
1.65
1.55
1.45
1.35
1.25
1.15
1.05
0.95
0.85
0.8
0.6
0.4
0.2
<0 ml/l
-40
-35
-30
-25
-20
-15
-10
W
E
Longitude


GEOVIDE 2014
Potential vorticity (10-9 s-1)
5.20,2014 to 6.17,2014
Depth (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
>1
0.2
0.15
0.1
0.05
0.02
0.01
<0 10-9 s-1
-40
-35
-30
-25
-20
-15
-10
W
E
Longitude

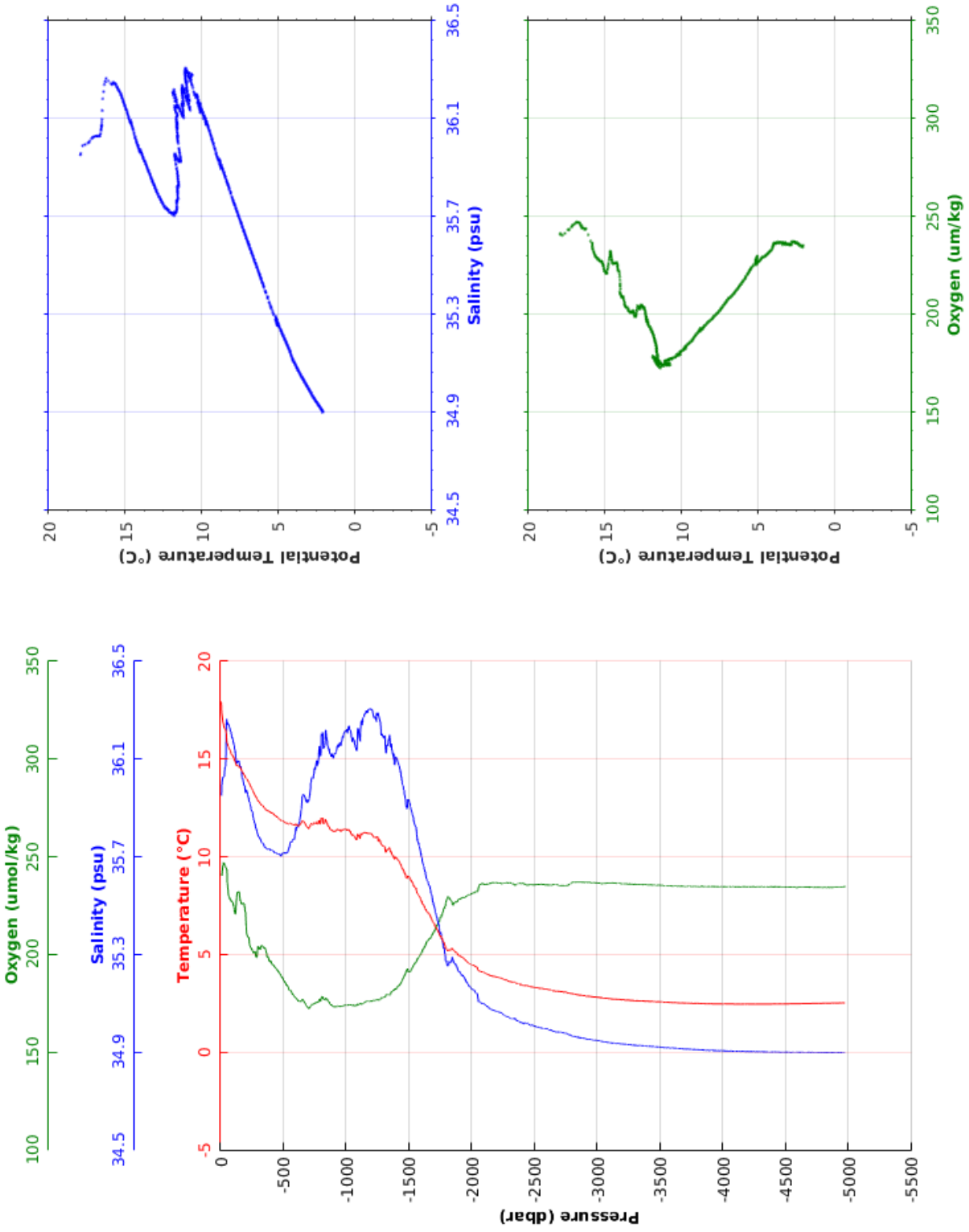

GEOVIDE 2014
Density anomaly referenced to 0m
5.20,2014 to 6.17,2014
Depth (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
>27.9
27.89
27.88
27.85
27.8
27.75
27.7
27.6
27.5
27.4
27.3
27.2
27.1
27
26.5
<26
-40
-35
-30
-25
-20
-15
-10
W
E
Longitude


GEOVIDE 2014
Density anomaly referenced to 1000m
5.20,2014 to 6.17,2014
Depth (m)
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000
5500
>32.65
32.6
32.55
32.5
32.45
32.4
32.3
32.2
32.1
32
31.8
31.6
31.4
31.2
31
<30
-40
-35
-30
-25
-20
-15
-10
W
E
Longitude

5.3. Listings and figures

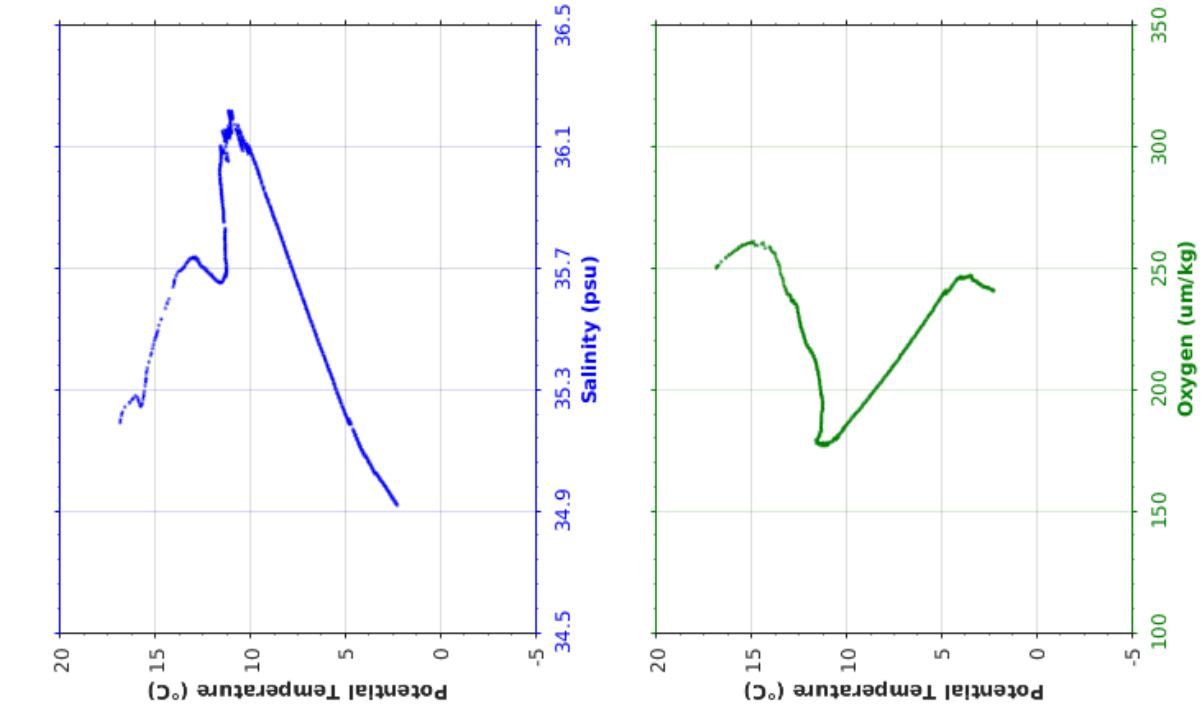
Profile : 0	Cruise : GEOVIDE (Classic)
Station : 0	Cast : 2
Date : 18/05/2014	Ship : N/O Pourquoi pas ?
Depth : 4903 m	Organism : CNRS - IFREMER
Position : N 38 25.97 W 010 42.00	

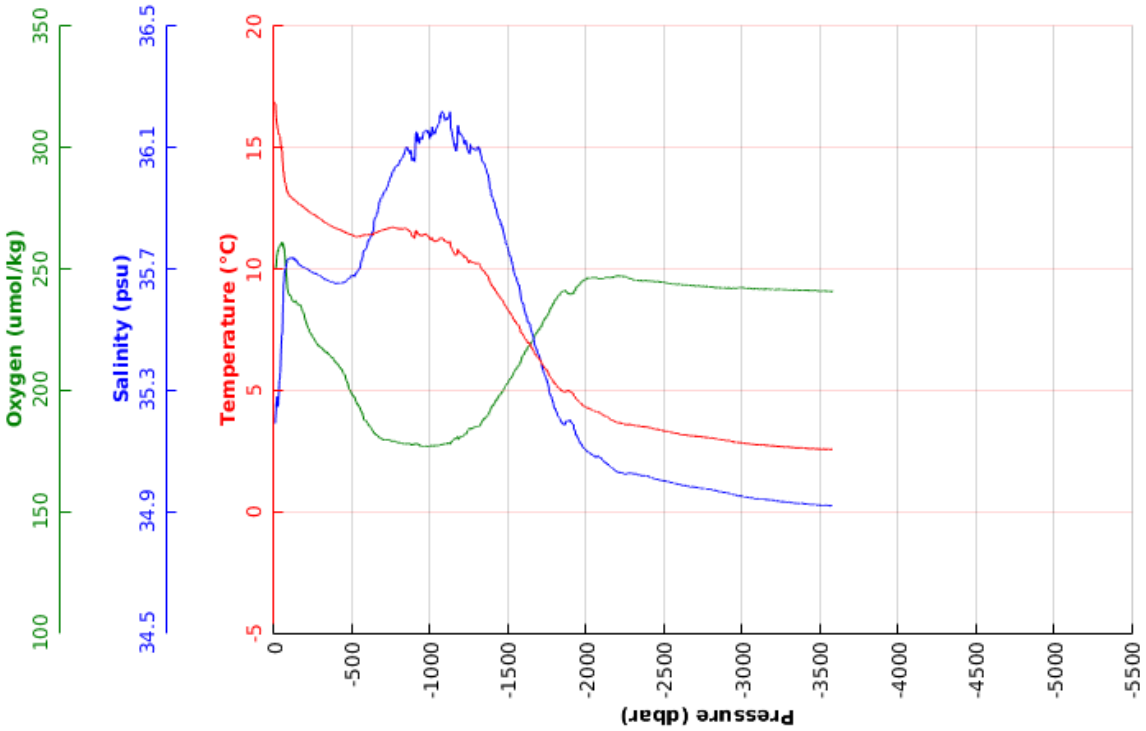
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	17.924	35.951	241.1	17.923	3050.0	2.773	34.943	236.3	2.522
10.0	17.341	36.007	242.9	17.340	3100.0	2.732	34.939	236.6	2.476
20.0	16.866	36.028	247.1	16.863	3150.0	2.703	34.936	236.4	2.443
30.0	16.585	36.052	245.5	16.580	3200.0	2.680	34.933	236.3	2.415
40.0	16.528	36.097	244.1	16.522	3250.0	2.661	34.931	236.0	2.392
50.0	15.853	36.240	236.4	15.845	3300.0	2.636	34.929	236.0	2.362
100.0	15.129	36.169	224.7	15.114	3350.0	2.623	34.927	235.7	2.344
150.0	14.613	36.078	229.1	14.591	3400.0	2.605	34.925	235.6	2.321
200.0	14.033	35.965	214.9	14.004	3450.0	2.590	34.923	235.5	2.301
250.0	13.501	35.885	202.0	13.465	3500.0	2.573	34.920	235.4	2.278
300.0	12.840	35.782	202.9	12.799	3550.0	2.552	34.918	235.1	2.253
350.0	12.486	35.740	203.3	12.438	3600.0	2.540	34.917	235.1	2.236
400.0	12.258	35.726	196.1	12.204	3650.0	2.524	34.915	235.0	2.215
450.0	12.035	35.712	191.9	11.975	3700.0	2.512	34.913	234.8	2.198
500.0	11.813	35.716	186.6	11.747	3750.0	2.504	34.912	234.9	2.184
550.0	11.698	35.752	181.5	11.626	3800.0	2.493	34.910	234.9	2.167
600.0	11.623	35.805	177.5	11.545	3850.0	2.482	34.908	234.8	2.151
650.0	11.843	35.949	176.9	11.756	3900.0	2.475	34.907	234.8	2.139
700.0	11.467	35.932	172.4	11.376	3950.0	2.472	34.906	234.8	2.131
750.0	11.711	36.062	175.0	11.611	4000.0	2.470	34.906	234.6	2.123
800.0	11.902	36.184	177.6	11.794	4050.0	2.468	34.905	234.6	2.114
850.0	11.735	36.171	176.5	11.621	4100.0	2.465	34.904	234.6	2.106
900.0	11.296	36.110	173.4	11.178	4150.0	2.464	34.903	234.6	2.099
950.0	11.366	36.167	173.5	11.241	4200.0	2.464	34.903	234.6	2.094
1000.0	11.401	36.216	174.1	11.268	4250.0	2.462	34.902	234.7	2.085
1050.0	11.108	36.177	174.0	10.971	4300.0	2.463	34.901	234.8	2.081
1100.0	11.102	36.210	174.4	10.958	4350.0	2.464	34.901	234.6	2.075
1150.0	11.243	36.287	175.6	11.091	4400.0	2.466	34.900	234.6	2.071
1200.0	11.174	36.304	176.1	11.016	4450.0	2.469	34.900	234.5	2.068
1250.0	11.018	36.288	176.7	10.854	4500.0	2.472	34.900	234.5	2.066
1300.0	10.518	36.185	178.3	10.352	4550.0	2.476	34.899	234.4	2.063
1350.0	10.377	36.176	179.5	10.206	4600.0	2.480	34.899	234.3	2.061
1400.0	9.954	36.106	182.8	9.780	4650.0	2.485	34.899	234.4	2.060
1450.0	9.382	35.994	187.6	9.207	4700.0	2.490	34.899	234.5	2.058
1500.0	8.993	35.930	191.0	8.816	4750.0	2.494	34.899	234.4	2.057
1550.0	8.425	35.825	195.9	8.248	4800.0	2.500	34.899	234.4	2.056
1600.0	7.746	35.700	201.1	7.571	4850.0	2.506	34.898	234.3	2.056
1650.0	7.176	35.601	207.0	7.002	4900.0	2.512	34.898	234.4	2.055
1700.0	6.601	35.501	211.8	6.428	4950.0	2.519	34.898	234.5	2.055
1750.0	5.956	35.387	219.2	5.786	4976.0	2.522	34.898	235.1	2.055
1800.0	5.285	35.267	228.1	5.119					
1850.0	5.303	35.285	225.1	5.131					
1900.0	4.962	35.230	228.3	4.790					
1950.0	4.730	35.197	229.4	4.556					
2000.0	4.479	35.160	231.2	4.304					
2050.0	4.256	35.122	233.0	4.079					
2100.0	4.083	35.098	235.9	3.904					
2150.0	3.921	35.077	236.6	3.739					
2200.0	3.844	35.066	236.7	3.659					
2250.0	3.748	35.056	236.3	3.560					
2300.0	3.626	35.041	236.6	3.435					
2350.0	3.551	35.033	235.7	3.356					
2400.0	3.446	35.021	236.2	3.248					
2450.0	3.391	35.016	235.5	3.189					
2500.0	3.327	35.007	235.6	3.120					
2550.0	3.265	35.000	236.0	3.055					
2600.0	3.221	34.995	235.6	3.006					
2650.0	3.143	34.985	235.8	2.926					
2700.0	3.111	34.983	235.3	2.889					
2750.0	3.066	34.977	235.4	2.840					
2800.0	2.998	34.967	236.8	2.768					
2850.0	2.938	34.961	237.0	2.704					
2900.0	2.896	34.956	237.0	2.658					
2950.0	2.846	34.951	236.9	2.604					
3000.0	2.816	34.948	236.6	2.569					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)
Profile : 0

Profile : 1	Cruise : GEOVIDE (Classic)
Station : 1	Cast : 1
Date : 18/05/2014	Ship : N/O Pourquoi pas ?
Depth : 3538 m	Organism : CNRS - IFREMER
Position : N 40 19.99 W 010 2.16	

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.860	35.193	250.3	16.860	3050.0	2.795	34.947	242.0	2.544
10.0	16.733	35.227	251.4	16.731	3100.0	2.755	34.942	241.8	2.499
20.0	15.891	35.263	257.3	15.888	3150.0	2.739	34.940	241.8	2.478
30.0	15.549	35.313	259.2	15.545	3200.0	2.714	34.938	241.7	2.449
40.0	15.348	35.392	259.9	15.342	3250.0	2.675	34.933	241.4	2.405
50.0	14.913	35.487	261.0	14.906	3300.0	2.664	34.932	241.4	2.389
100.0	13.020	35.735	238.9	13.006	3350.0	2.634	34.928	241.3	2.355
150.0	12.731	35.720	235.4	12.710	3400.0	2.618	34.926	241.3	2.334
200.0	12.494	35.703	228.4	12.467	3450.0	2.596	34.924	241.1	2.307
250.0	12.256	35.688	221.4	12.223	3500.0	2.581	34.922	240.9	2.286
300.0	12.059	35.675	217.4	12.019	3550.0	2.573	34.920	240.9	2.273
350.0	11.833	35.661	214.6	11.788	3582.0	2.569	34.919	241.1	2.266
400.0	11.663	35.653	211.1	11.611					
450.0	11.543	35.656	206.5	11.485					
500.0	11.414	35.679	198.1	11.350					
550.0	11.328	35.702	192.4	11.257					
600.0	11.416	35.792	185.7	11.338					
650.0	11.491	35.870	181.8	11.406					
700.0	11.615	35.949	179.7	11.522					
750.0	11.706	36.006	179.2	11.606					
800.0	11.663	36.048	178.4	11.557					
850.0	11.675	36.103	177.9	11.562					
900.0	11.282	36.056	178.0	11.165					
950.0	11.365	36.132	177.2	11.240					
1000.0	11.287	36.149	177.0	11.156					
1050.0	11.176	36.173	177.3	11.039					
1100.0	11.138	36.196	178.0	10.994					
1150.0	10.715	36.120	179.5	10.568					
1200.0	10.659	36.145	180.9	10.505					
1250.0	10.274	36.080	184.1	10.117					
1300.0	10.228	36.092	185.2	10.065					
1350.0	9.887	36.043	188.4	9.720					
1400.0	9.304	35.935	193.8	9.137					
1450.0	8.864	35.858	198.2	8.695					
1500.0	8.323	35.763	203.4	8.154					
1550.0	7.824	35.673	208.8	7.655					
1600.0	7.266	35.577	214.7	7.097					
1650.0	6.790	35.494	219.9	6.621					
1700.0	6.303	35.411	225.3	6.134					
1750.0	5.820	35.332	230.8	5.652					
1800.0	5.292	35.241	237.1	5.126					
1850.0	4.963	35.190	240.9	4.796					
1900.0	4.950	35.198	239.6	4.779					
1950.0	4.581	35.142	243.2	4.410					
2000.0	4.324	35.104	245.8	4.151					
2050.0	4.161	35.085	246.5	3.986					
2100.0	4.029	35.073	246.0	3.851					
2150.0	3.850	35.053	246.4	3.670					
2200.0	3.681	35.031	247.2	3.499					
2250.0	3.591	35.023	247.0	3.405					
2300.0	3.565	35.025	245.6	3.375					
2350.0	3.520	35.021	245.2	3.325					
2400.0	3.477	35.016	245.1	3.278					
2450.0	3.393	35.007	244.9	3.191					
2500.0	3.335	35.002	244.5	3.129					
2550.0	3.268	34.996	243.9	3.058					
2600.0	3.200	34.989	243.7	2.987					
2650.0	3.147	34.984	243.4	2.929					
2700.0	3.117	34.981	243.1	2.894					
2750.0	3.078	34.977	242.8	2.852					
2800.0	3.037	34.973	242.6	2.807					
2850.0	2.984	34.967	242.3	2.749					
2900.0	2.939	34.962	242.2	2.700					
2950.0	2.876	34.955	242.1	2.633					
3000.0	2.842	34.951	242.4	2.595					

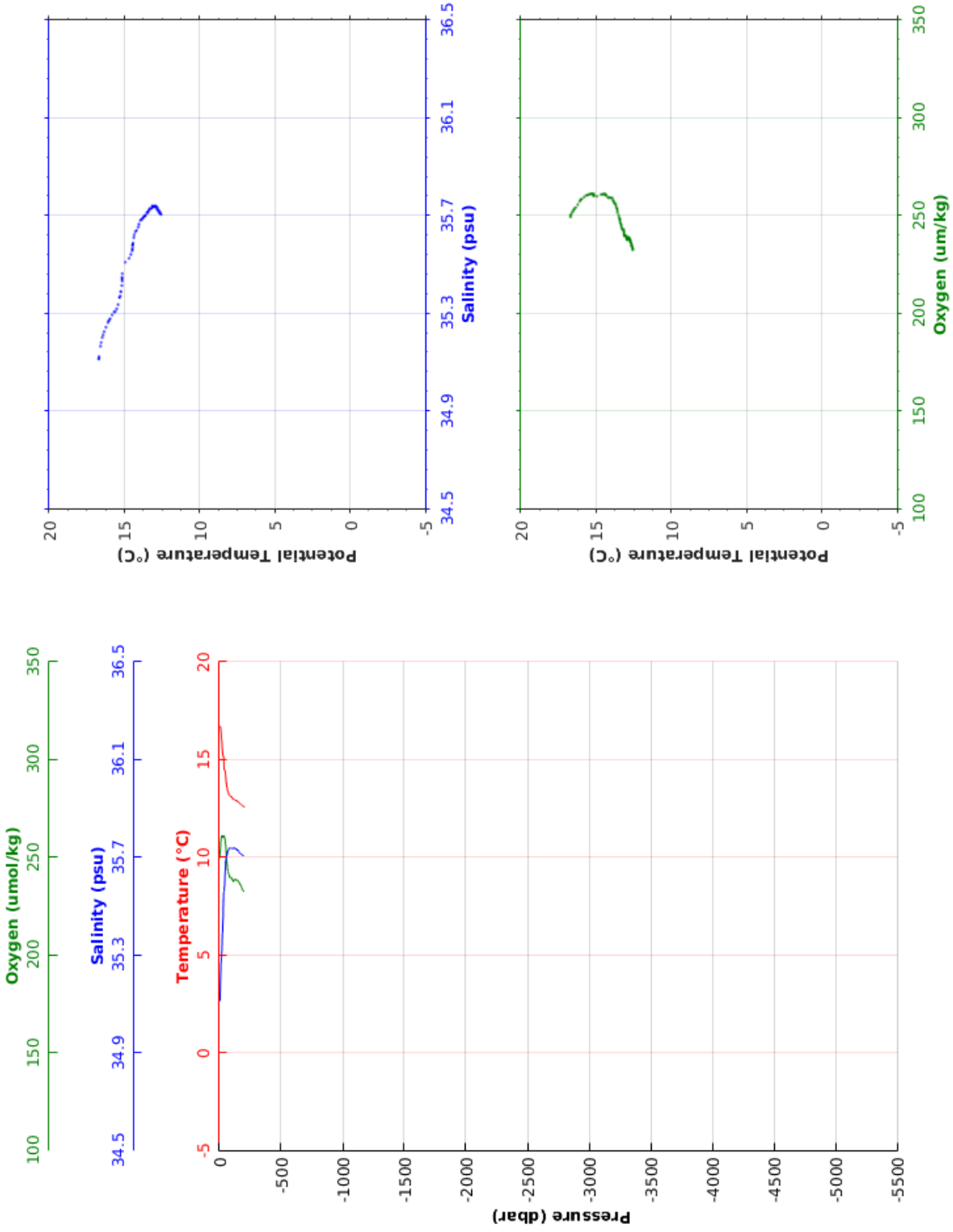

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 1

Profile	: 2	Cruise	: GEOVIDE (Classic)
Station	: 1	Cast	: 3
Date	: 19/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3538 m	Organism	: CNRS - IFREMER
Position	: N 40 19.99 W 010 2.16		

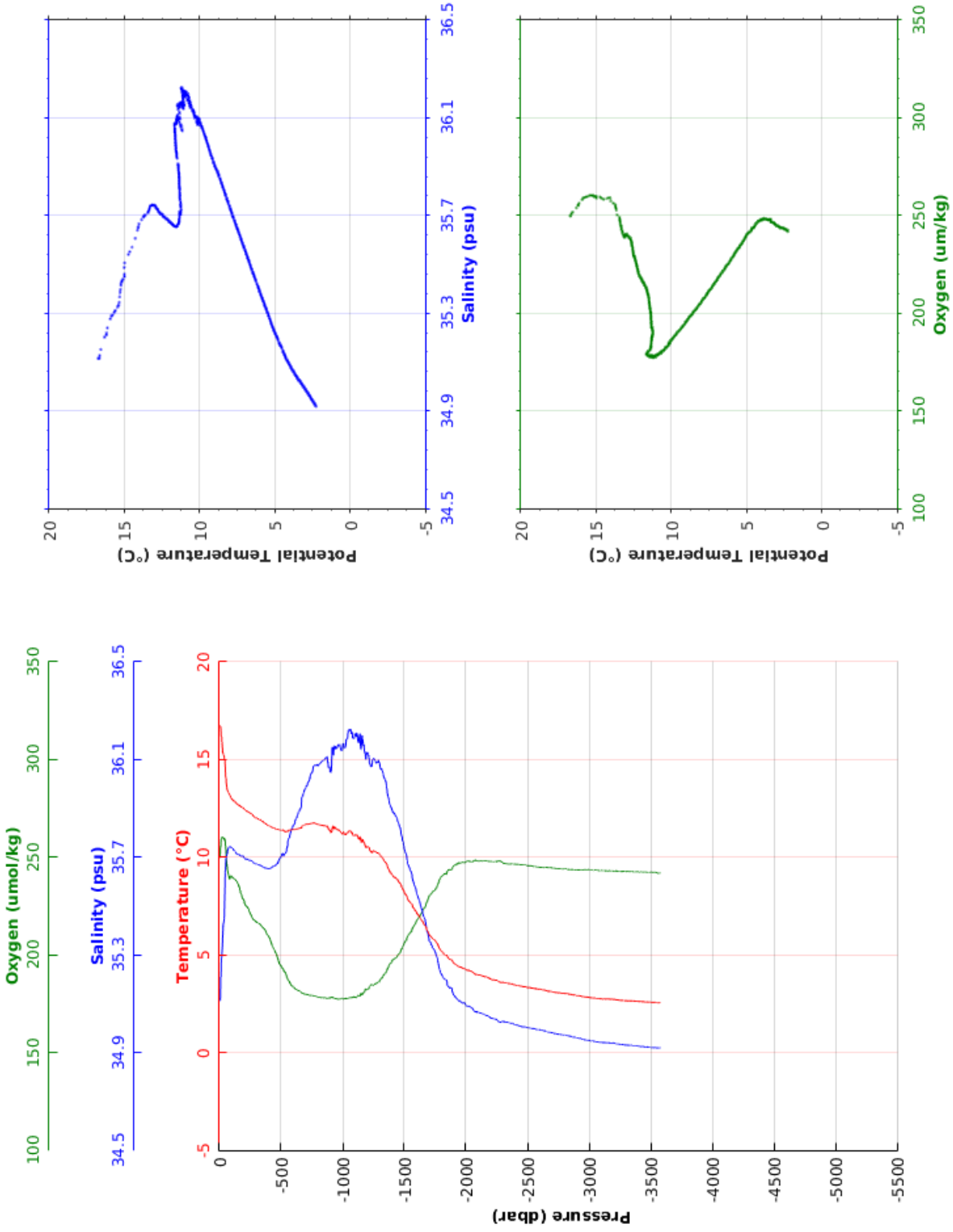
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.702	35.112	249.2	16.702
10.0	16.587	35.164	251.5	16.586
20.0	15.812	35.293	259.4	15.809
30.0	15.172	35.413	260.5	15.168
40.0	14.466	35.559	260.9	14.460
50.0	14.195	35.639	259.1	14.188
100.0	13.085	35.736	239.6	13.071
150.0	12.849	35.732	238.0	12.828
200.0	12.583	35.705	232.7	12.556
202.0	12.586	35.705	232.3	12.558


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 2

Profile	: 3	Cruise	: GEOVIDE (Classic)
Station	: 1	Cast	: 5
Date	: 19/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3538 m	Organism	: CNRS - IFREMER
Position	: N 40 19.99 W 010 2.16		

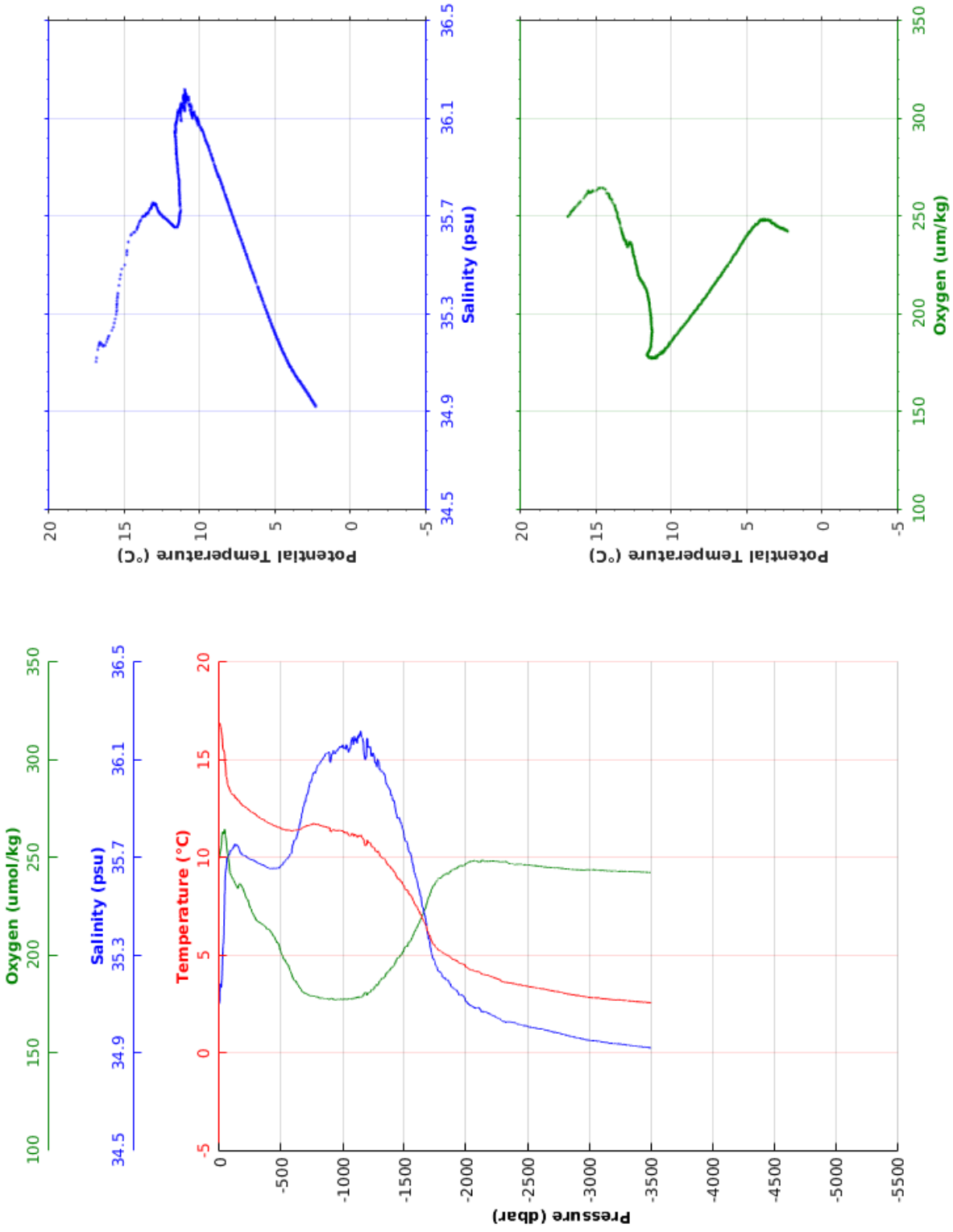
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.710	35.114	249.8	16.710	3050.0	2.782	34.945	243.5	2.531
10.0	16.667	35.114	250.3	16.666	3100.0	2.753	34.942	243.1	2.497
20.0	15.864	35.287	259.0	15.861	3150.0	2.735	34.940	243.0	2.474
30.0	15.291	35.383	260.3	15.287	3200.0	2.722	34.938	242.9	2.457
40.0	15.088	35.439	259.6	15.082	3250.0	2.676	34.933	242.7	2.406
50.0	14.130	35.639	259.2	14.122	3300.0	2.653	34.931	242.7	2.378
100.0	12.983	35.739	240.3	12.969	3350.0	2.641	34.929	242.7	2.361
150.0	12.691	35.713	237.1	12.671	3400.0	2.614	34.926	242.6	2.329
200.0	12.459	35.698	228.6	12.432	3450.0	2.594	34.924	242.5	2.304
250.0	12.252	35.687	221.9	12.219	3500.0	2.574	34.921	242.3	2.280
300.0	12.009	35.673	217.2	11.969	3550.0	2.558	34.919	242.1	2.259
350.0	11.836	35.663	214.6	11.791	3581.0	2.563	34.919	242.0	2.261
400.0	11.616	35.654	210.0	11.564					
450.0	11.483	35.664	202.8	11.425					
500.0	11.379	35.700	194.8	11.314					
550.0	11.327	35.740	189.1	11.257					
600.0	11.421	35.828	184.0	11.343					
650.0	11.486	35.888	181.6	11.402					
700.0	11.667	35.981	179.8	11.575					
750.0	11.736	36.044	179.4	11.636					
800.0	11.671	36.074	178.5	11.565					
850.0	11.620	36.097	178.0	11.508					
900.0	11.331	36.058	177.7	11.213					
950.0	11.427	36.143	177.5	11.302					
1000.0	11.211	36.140	177.7	11.081					
1050.0	11.340	36.219	177.9	11.201					
1100.0	11.137	36.197	178.5	10.993					
1150.0	10.780	36.145	180.0	10.632					
1200.0	10.553	36.130	182.2	10.400					
1250.0	10.331	36.102	184.5	10.174					
1300.0	10.158	36.087	186.2	9.995					
1350.0	9.729	36.013	190.4	9.564					
1400.0	9.123	35.899	196.2	8.958					
1450.0	8.787	35.846	199.5	8.618					
1500.0	8.211	35.742	205.2	8.043					
1550.0	7.667	35.647	211.2	7.499					
1600.0	7.163	35.560	216.6	6.995					
1650.0	6.698	35.479	221.8	6.530					
1700.0	6.073	35.372	228.8	5.907					
1750.0	5.747	35.318	232.9	5.580					
1800.0	5.182	35.223	239.7	5.017					
1850.0	4.929	35.188	241.6	4.763					
1900.0	4.606	35.141	244.9	4.439					
1950.0	4.388	35.111	247.2	4.219					
2000.0	4.254	35.096	247.4	4.083					
2050.0	4.142	35.084	247.7	3.967					
2100.0	3.973	35.065	248.1	3.795					
2150.0	3.896	35.056	248.2	3.715					
2200.0	3.762	35.043	247.9	3.578					
2250.0	3.696	35.036	247.9	3.508					
2300.0	3.592	35.028	247.3	3.401					
2350.0	3.531	35.022	246.6	3.336					
2400.0	3.465	35.015	246.5	3.266					
2450.0	3.395	35.008	246.1	3.193					
2500.0	3.333	35.002	245.8	3.127					
2550.0	3.288	34.998	245.4	3.078					
2600.0	3.239	34.994	244.9	3.025					
2650.0	3.182	34.987	244.8	2.963					
2700.0	3.121	34.981	244.6	2.898					
2750.0	3.058	34.975	244.3	2.832					
2800.0	3.025	34.972	243.9	2.795					
2850.0	2.973	34.966	243.7	2.738					
2900.0	2.922	34.961	243.5	2.683					
2950.0	2.860	34.954	243.6	2.617					
3000.0	2.824	34.950	243.6	2.577					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 3

Profile	: 4	Cruise	: GEOVIDE (Classic)
Station	: 1	Cast	: 7
Date	: 19/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3538 m	Organism	: CNRS - IFREMER
Position	: N 40 19.99 W 010 2.16		

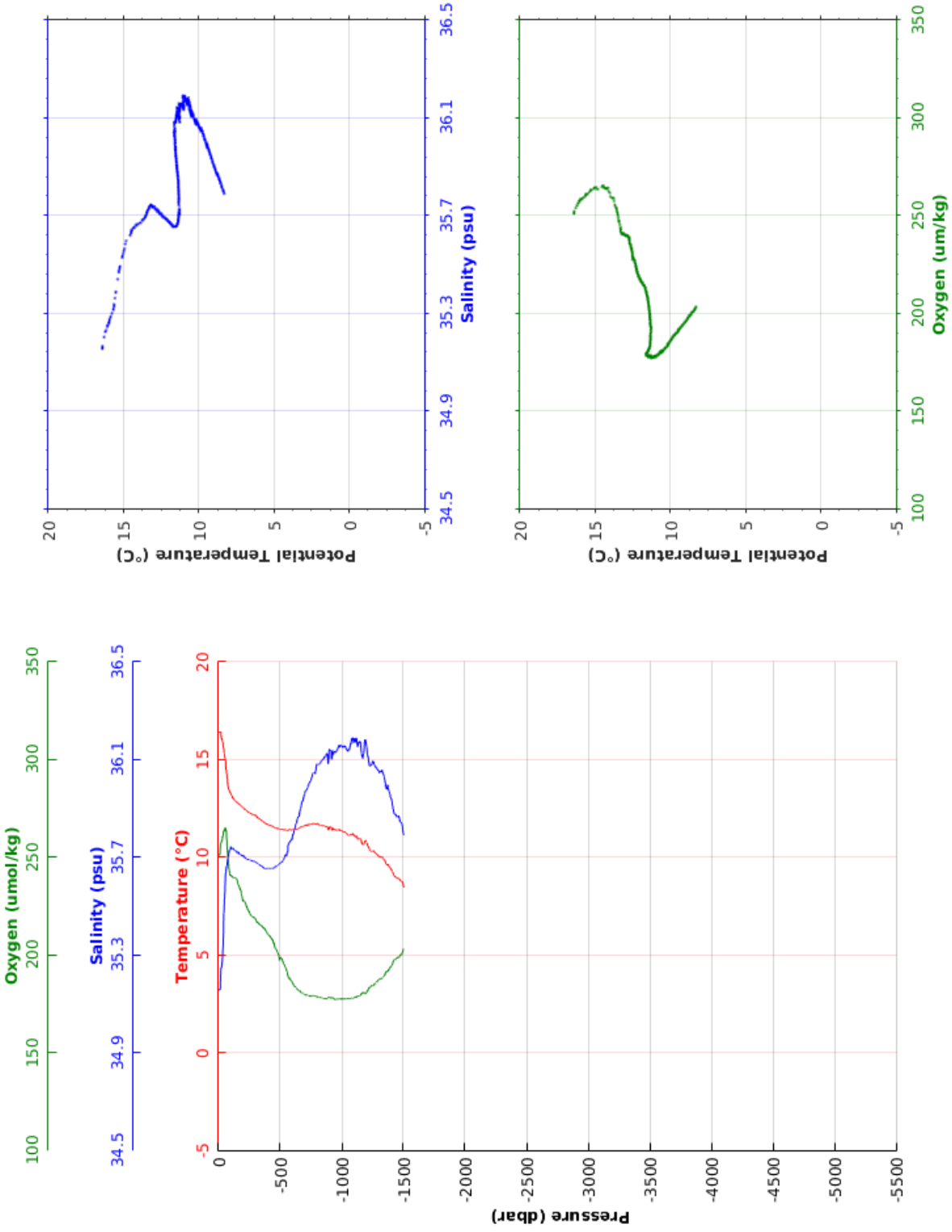
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.873	35.104	249.9	16.872	3050.0	2.810	34.948	243.7	2.558
10.0	16.680	35.173	252.0	16.678	3100.0	2.778	34.945	243.4	2.522
20.0	16.270	35.171	255.3	16.267	3150.0	2.748	34.941	243.2	2.487
30.0	15.511	35.309	263.0	15.506	3200.0	2.706	34.937	243.1	2.441
40.0	15.367	35.416	262.0	15.361	3250.0	2.699	34.936	243.0	2.429
50.0	14.579	35.622	264.5	14.571	3300.0	2.667	34.932	242.8	2.392
100.0	13.275	35.731	241.1	13.261	3350.0	2.636	34.929	242.7	2.356
150.0	12.940	35.749	234.6	12.920	3400.0	2.611	34.926	242.6	2.326
200.0	12.618	35.708	233.3	12.590	3450.0	2.585	34.923	242.5	2.296
250.0	12.384	35.694	225.0	12.350	3500.0	2.562	34.920	242.2	2.268
300.0	12.177	35.683	218.5	12.137	3504.0	2.562	34.920	242.3	2.267
350.0	11.949	35.670	215.7	11.903					
400.0	11.765	35.657	213.4	11.712					
450.0	11.627	35.655	209.5	11.569					
500.0	11.489	35.664	202.5	11.425					
550.0	11.408	35.694	195.9	11.337					
600.0	11.380	35.753	188.5	11.303					
650.0	11.429	35.824	183.9	11.345					
700.0	11.591	35.931	180.4	11.499					
750.0	11.694	36.015	179.1	11.594					
800.0	11.700	36.079	178.5	11.594					
850.0	11.587	36.110	177.8	11.474					
900.0	11.335	36.091	177.5	11.217					
950.0	11.381	36.135	177.1	11.256					
1000.0	11.350	36.157	177.3	11.218					
1050.0	11.115	36.130	177.5	10.978					
1100.0	11.181	36.192	177.8	11.037					
1150.0	11.140	36.219	178.2	10.989					
1200.0	10.888	36.188	179.9	10.733					
1250.0	10.543	36.128	182.2	10.384					
1300.0	10.160	36.074	185.7	9.997					
1350.0	9.826	36.023	189.1	9.660					
1400.0	9.413	35.954	193.4	9.245					
1450.0	8.899	35.861	198.4	8.729					
1500.0	8.474	35.789	202.4	8.303					
1550.0	8.094	35.722	206.8	7.921					
1600.0	7.465	35.612	213.4	7.294					
1650.0	6.811	35.497	220.5	6.641					
1700.0	6.080	35.372	229.0	5.914					
1750.0	5.471	35.272	236.0	5.308					
1800.0	5.199	35.228	239.4	5.034					
1850.0	4.986	35.195	242.0	4.819					
1900.0	4.785	35.165	243.9	4.616					
1950.0	4.582	35.137	245.5	4.410					
2000.0	4.381	35.111	246.6	4.207					
2050.0	4.228	35.092	248.0	4.051					
2100.0	4.154	35.085	247.9	3.974					
2150.0	4.010	35.068	248.3	3.827					
2200.0	3.916	35.058	248.2	3.729					
2250.0	3.797	35.046	247.9	3.608					
2300.0	3.629	35.029	247.8	3.438					
2350.0	3.574	35.026	247.1	3.379					
2400.0	3.529	35.022	246.5	3.329					
2450.0	3.456	35.013	246.6	3.252					
2500.0	3.397	35.008	246.1	3.190					
2550.0	3.341	35.002	245.9	3.129					
2600.0	3.286	34.997	245.4	3.071					
2650.0	3.230	34.992	245.1	3.010					
2700.0	3.170	34.986	244.8	2.947					
2750.0	3.119	34.981	244.6	2.892					
2800.0	3.054	34.974	244.3	2.823					
2850.0	2.986	34.967	243.9	2.751					
2900.0	2.932	34.962	243.6	2.693					
2950.0	2.883	34.957	243.6	2.640					
3000.0	2.834	34.951	243.7	2.587					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 4

Profile : 5	Cruise : GEOVIDE (Classic)
Station : 1	Cast : 9
Date : 20/05/2014	Ship : N/O Pourquoi pas ?
Depth : 3538 m	Organism : CNRS - IFREMER
Position : N 40 20.00 W 010 2.15	

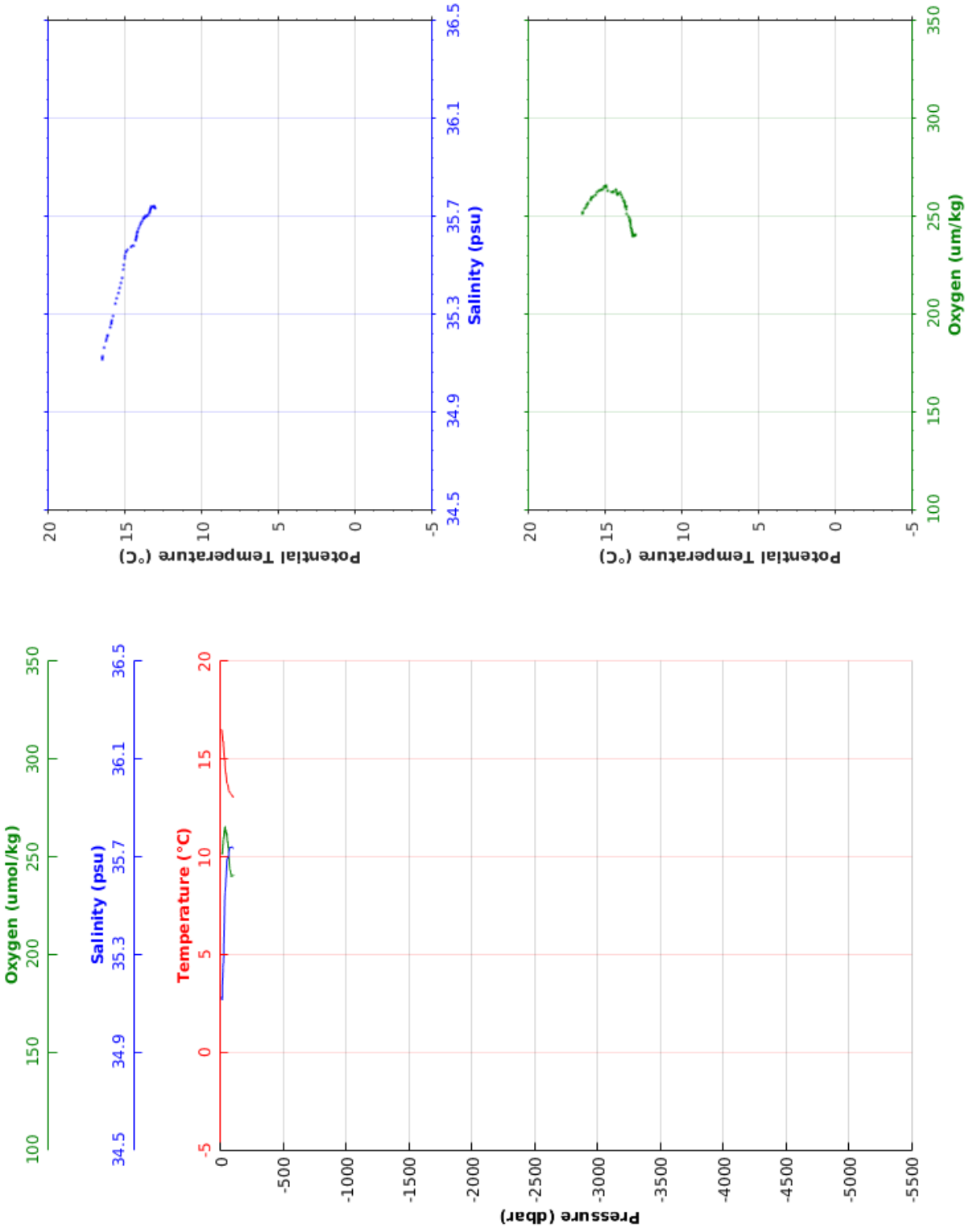
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.404	35.156	251.0	16.404
10.0	16.406	35.155	251.3	16.404
20.0	16.213	35.224	255.0	16.209
30.0	15.974	35.260	258.1	15.970
40.0	15.633	35.335	260.7	15.627
50.0	15.092	35.528	263.8	15.084
100.0	13.248	35.738	240.7	13.234
150.0	12.808	35.724	238.8	12.787
200.0	12.531	35.706	228.9	12.504
250.0	12.285	35.690	222.4	12.251
300.0	12.150	35.683	218.9	12.110
350.0	11.875	35.664	215.1	11.830
400.0	11.668	35.654	211.2	11.616
450.0	11.541	35.657	206.5	11.483
500.0	11.428	35.675	197.1	11.364
550.0	11.401	35.711	193.4	11.330
600.0	11.394	35.775	186.5	11.316
650.0	11.472	35.865	182.0	11.387
700.0	11.634	35.958	179.9	11.542
750.0	11.673	36.010	178.6	11.574
800.0	11.731	36.081	178.6	11.624
850.0	11.610	36.099	177.9	11.497
900.0	11.544	36.138	178.2	11.425
950.0	11.396	36.130	177.0	11.271
1000.0	11.348	36.158	177.3	11.216
1050.0	11.137	36.134	177.6	11.000
1100.0	11.136	36.185	177.8	10.992
1150.0	10.950	36.176	179.0	10.801
1200.0	10.805	36.169	180.1	10.650
1250.0	10.315	36.088	184.4	10.158
1300.0	10.055	36.055	187.0	9.894
1350.0	9.825	36.024	189.4	9.659
1400.0	9.363	35.943	193.6	9.196
1450.0	8.925	35.864	198.2	8.755
1500.0	8.539	35.801	202.0	8.368
1507.0	8.475	35.790	203.2	8.303


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 5

Profile	: 6	Cruise	: GEOVIDE (Classic)
Station	: 1	Cast	: 11
Date	: 20/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3538 m	Organism	: CNRS - IFREMER
Position	: N 40 20.00 W 010 2.16		

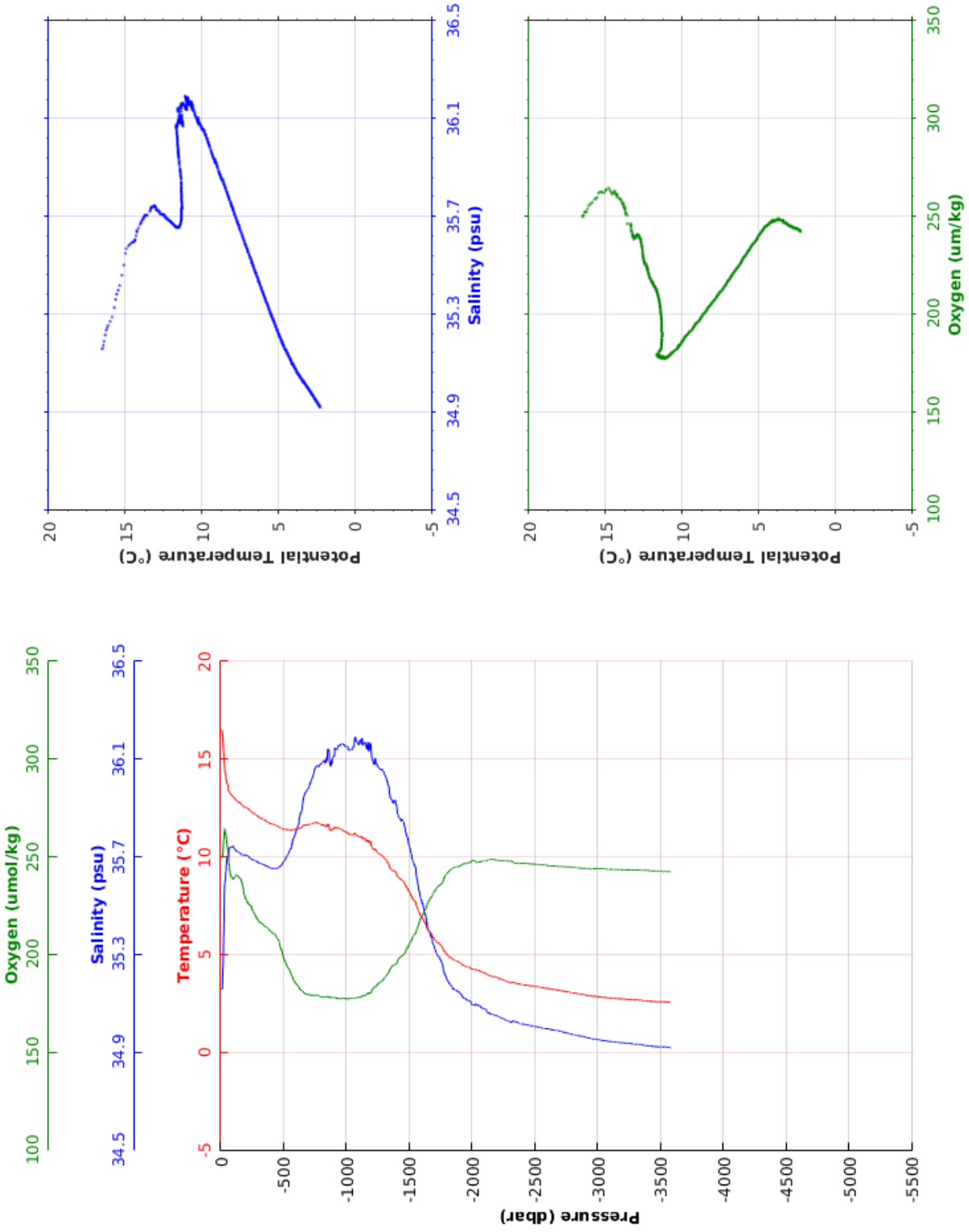
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.494	35.119	251.4	16.494
10.0	16.493	35.114	252.2	16.492
20.0	15.874	35.273	259.7	15.871
30.0	15.041	35.527	265.3	15.036
40.0	14.279	35.614	262.1	14.273
50.0	13.789	35.692	257.5	13.782
100.0	13.051	35.734	240.5	13.038
103.0	13.049	35.733	240.6	13.035


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 6

Profile	: 7	Cruise	: GEOVIDE (Classic)
Station	: 1	Cast	: 13
Date	: 20/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3536 m	Organism	: CNRS - IFREMER
Position	: N 40 19.99 W 010 2.15		

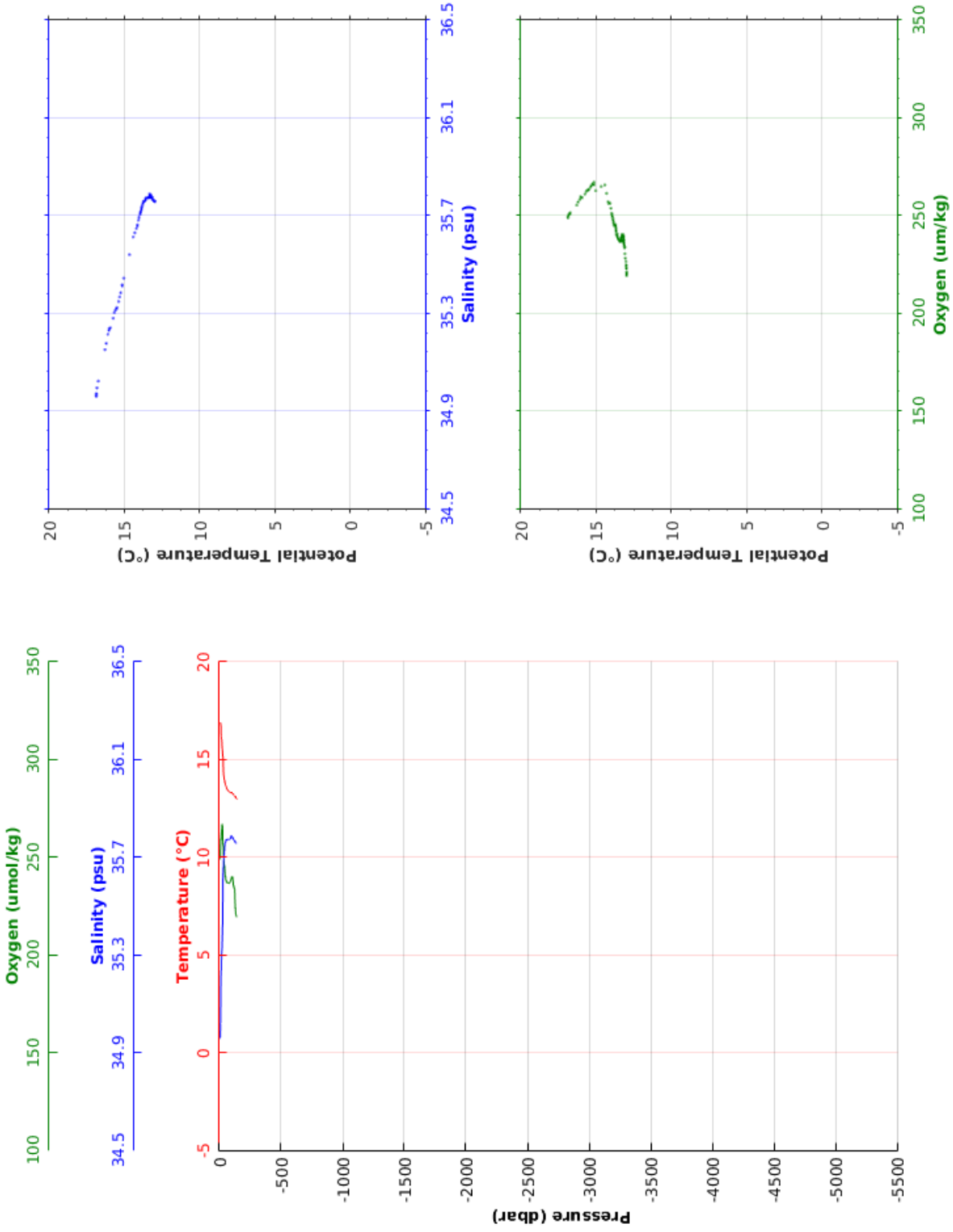
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.485	35.158	250.2	16.485	3050.0	2.799	34.947	243.9	2.548
10.0	16.488	35.159	249.7	16.486	3100.0	2.764	34.944	243.6	2.508
20.0	15.627	35.359	259.1	15.624	3150.0	2.743	34.941	243.5	2.482
30.0	14.639	35.588	262.3	14.635	3200.0	2.726	34.939	243.4	2.460
40.0	14.235	35.641	259.8	14.229	3250.0	2.700	34.936	243.2	2.430
50.0	13.764	35.696	254.1	13.757	3300.0	2.675	34.933	243.1	2.400
100.0	13.045	35.738	239.1	13.031	3350.0	2.650	34.930	243.2	2.370
150.0	12.783	35.717	238.9	12.763	3400.0	2.615	34.926	243.0	2.331
200.0	12.532	35.707	227.9	12.505	3450.0	2.591	34.924	242.8	2.301
250.0	12.263	35.687	222.6	12.229	3500.0	2.578	34.922	242.7	2.283
300.0	12.042	35.676	216.9	12.002	3550.0	2.572	34.921	242.4	2.272
350.0	11.873	35.665	214.2	11.827	3584.0	2.550	34.918	242.3	2.247
400.0	11.684	35.653	211.5	11.632					
450.0	11.576	35.653	208.0	11.517					
500.0	11.410	35.681	197.7	11.346					
550.0	11.394	35.730	191.0	11.323					
600.0	11.411	35.808	184.8	11.334					
650.0	11.560	35.918	180.9	11.475					
700.0	11.651	35.984	179.5	11.558					
750.0	11.761	36.065	179.0	11.661					
800.0	11.654	36.082	178.3	11.548					
850.0	11.670	36.135	178.5	11.557					
900.0	11.424	36.111	177.9	11.305					
950.0	11.421	36.156	177.4	11.296					
1000.0	11.261	36.152	177.3	11.130					
1050.0	11.122	36.147	177.5	10.985					
1100.0	11.031	36.166	178.2	10.888					
1150.0	10.904	36.164	179.3	10.755					
1200.0	10.573	36.114	181.5	10.420					
1250.0	10.210	36.069	185.1	10.053					
1300.0	9.974	36.043	187.9	9.813					
1350.0	9.412	35.942	193.0	9.250					
1400.0	9.151	35.904	195.7	8.986					
1450.0	8.785	35.846	199.8	8.617					
1500.0	8.220	35.745	205.4	8.052					
1550.0	7.709	35.655	210.9	7.540					
1600.0	6.909	35.516	219.5	6.744					
1650.0	6.260	35.403	227.0	6.097					
1700.0	5.803	35.327	232.5	5.641					
1750.0	5.491	35.276	235.9	5.327					
1800.0	5.000	35.198	241.5	4.838					
1850.0	4.735	35.158	244.5	4.571					
1900.0	4.595	35.143	245.3	4.428					
1950.0	4.397	35.117	246.5	4.228					
2000.0	4.245	35.094	248.0	4.074					
2050.0	4.180	35.091	247.4	4.005					
2100.0	4.073	35.078	247.8	3.894					
2150.0	3.898	35.056	248.5	3.716					
2200.0	3.820	35.049	248.2	3.635					
2250.0	3.694	35.037	247.9	3.506					
2300.0	3.578	35.024	247.8	3.387					
2350.0	3.535	35.023	246.7	3.340					
2400.0	3.467	35.016	246.8	3.268					
2450.0	3.427	35.011	246.5	3.224					
2500.0	3.363	35.005	246.3	3.156					
2550.0	3.319	35.001	245.9	3.108					
2600.0	3.269	34.996	245.6	3.054					
2650.0	3.209	34.990	245.2	2.990					
2700.0	3.168	34.986	245.0	2.945					
2750.0	3.103	34.979	244.9	2.876					
2800.0	3.033	34.972	244.7	2.802					
2850.0	2.984	34.967	244.3	2.749					
2900.0	2.931	34.962	244.0	2.692					
2950.0	2.876	34.956	243.7	2.633					
3000.0	2.843	34.952	243.9	2.596					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 7

Profile	: 8	Cruise	: GEOVIDE (Classic)
Station	: 2	Cast	: 1
Date	: 20/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 155 m	Organism	: CNRS - IFREMER
Position	: N 40 19.98 W 009 27.57		

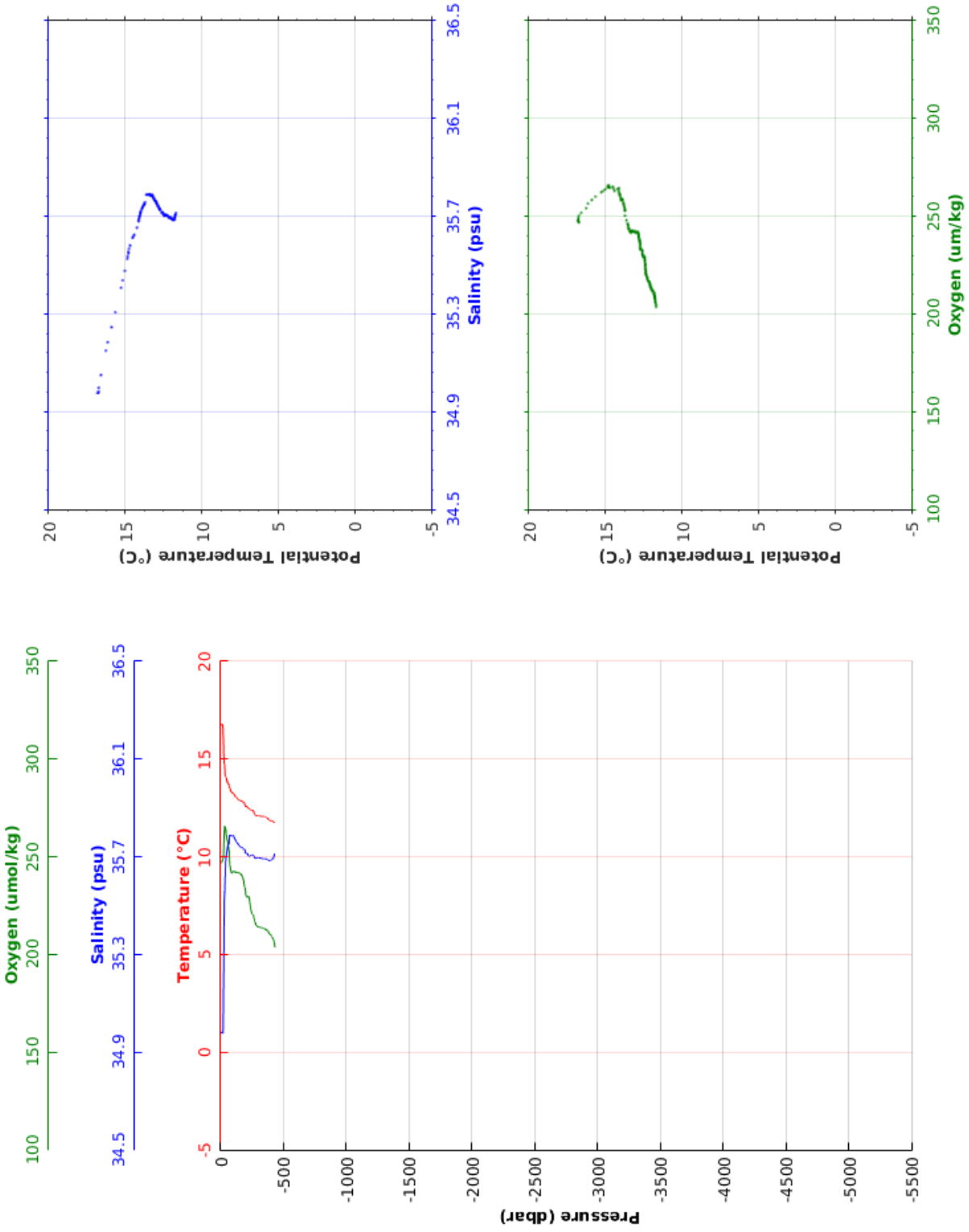
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.865	34.959	248.7	16.865
10.0	16.864	34.967	249.7	16.863
20.0	15.742	35.279	260.9	15.739
30.0	15.034	35.443	262.7	15.029
40.0	13.933	35.711	250.0	13.927
50.0	13.689	35.759	243.2	13.681
100.0	13.330	35.789	238.6	13.316
144.0	12.990	35.756	219.3	12.970


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 8

Profile	: 9	Cruise	: GEOVIDE (Classic)
Station	: 3	Cast	: 1
Date	: 21/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 435 m	Organism	: CNRS - IFREMER
Position	: N 40 19.98 W 009 38.59		

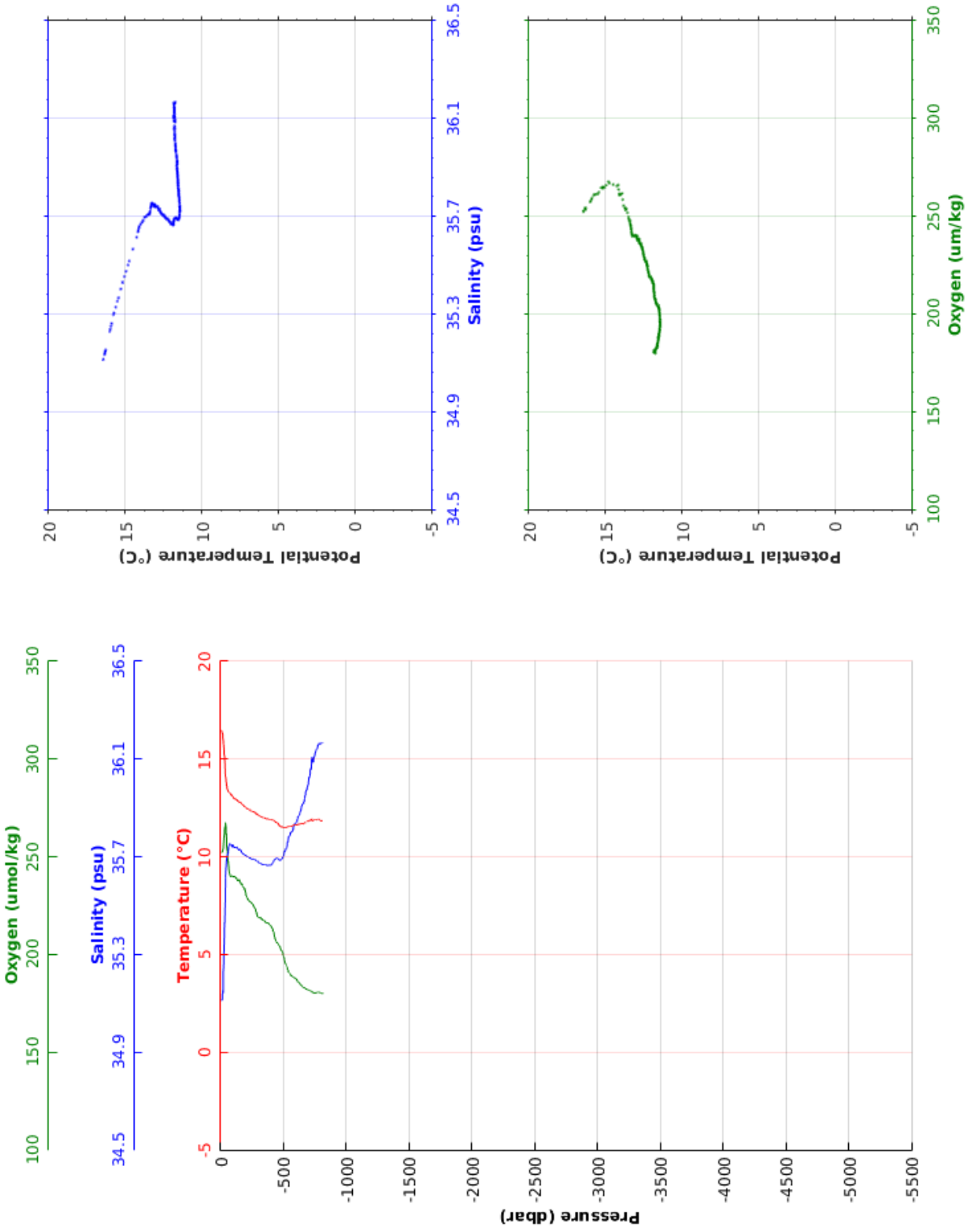
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.736	34.981	246.8	16.736
10.0	16.782	34.977	248.3	16.780
20.0	16.146	35.184	256.5	16.142
30.0	14.750	35.567	264.5	14.746
40.0	14.084	35.694	261.4	14.078
50.0	13.887	35.735	258.8	13.880
100.0	13.249	35.786	242.0	13.235
150.0	12.886	35.743	241.5	12.865
200.0	12.576	35.714	229.9	12.549
250.0	12.387	35.707	220.6	12.353
300.0	12.094	35.695	214.0	12.054
350.0	12.049	35.692	213.2	12.002
400.0	11.841	35.686	209.3	11.789
427.0	11.745	35.713	203.6	11.689


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 9

Profile : 10	Cruise : GEOVIDE (Classic)
Station : 4	Cast : 1
Date : 21/05/2014	Ship : N/O Pourquoi pas ?
Depth : 815 m	Organism : CNRS - IFREMER
Position : N 40 19.99 W 009 46.01	

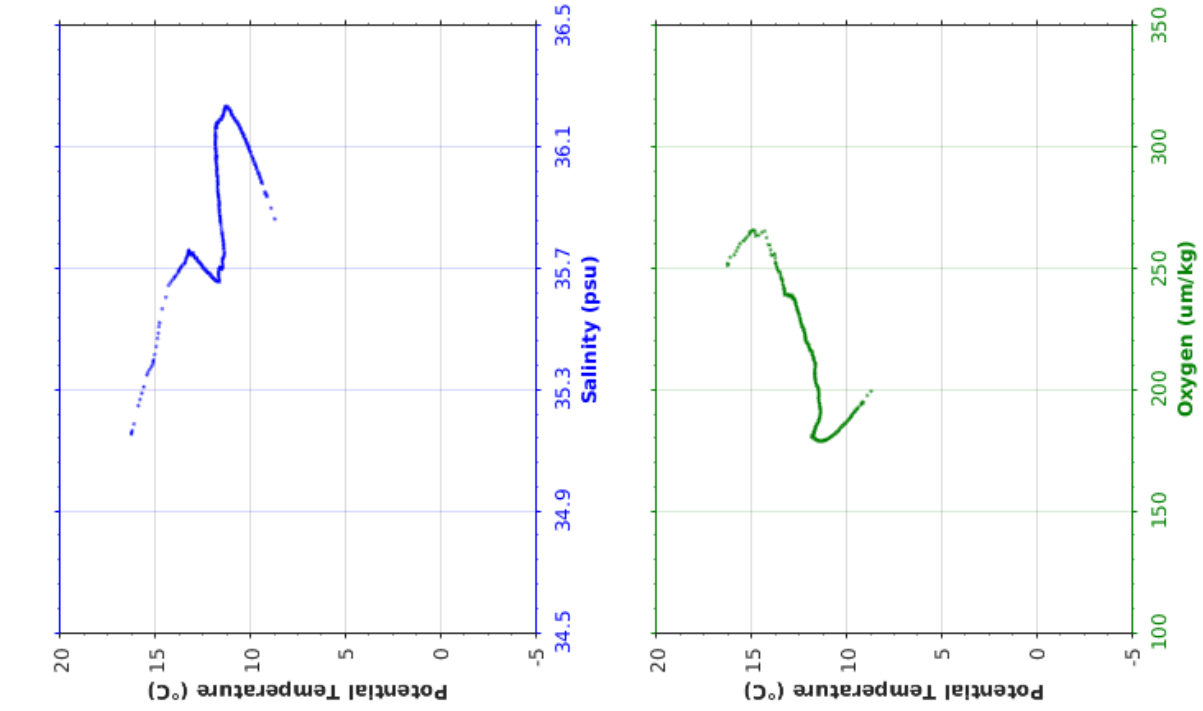
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.448	35.113	252.4	16.448
10.0	16.442	35.114	252.5	16.440
20.0	15.934	35.249	258.4	15.931
30.0	15.169	35.431	264.3	15.164
40.0	14.087	35.659	260.8	14.081
50.0	13.571	35.704	251.7	13.564
100.0	13.041	35.743	239.8	13.027
150.0	12.806	35.730	236.9	12.785
200.0	12.524	35.705	230.0	12.497
250.0	12.322	35.690	225.6	12.289
300.0	12.119	35.676	218.9	12.079
350.0	11.982	35.668	216.5	11.936
400.0	11.894	35.668	214.0	11.842
450.0	11.751	35.695	205.7	11.693
500.0	11.514	35.704	198.5	11.449
550.0	11.569	35.792	190.0	11.497
600.0	11.634	35.843	187.1	11.556
650.0	11.691	35.915	183.5	11.605
700.0	11.853	36.025	181.6	11.760
750.0	11.897	36.128	180.3	11.796
800.0	11.845	36.165	180.1	11.737
810.0	11.850	36.165	180.4	11.741

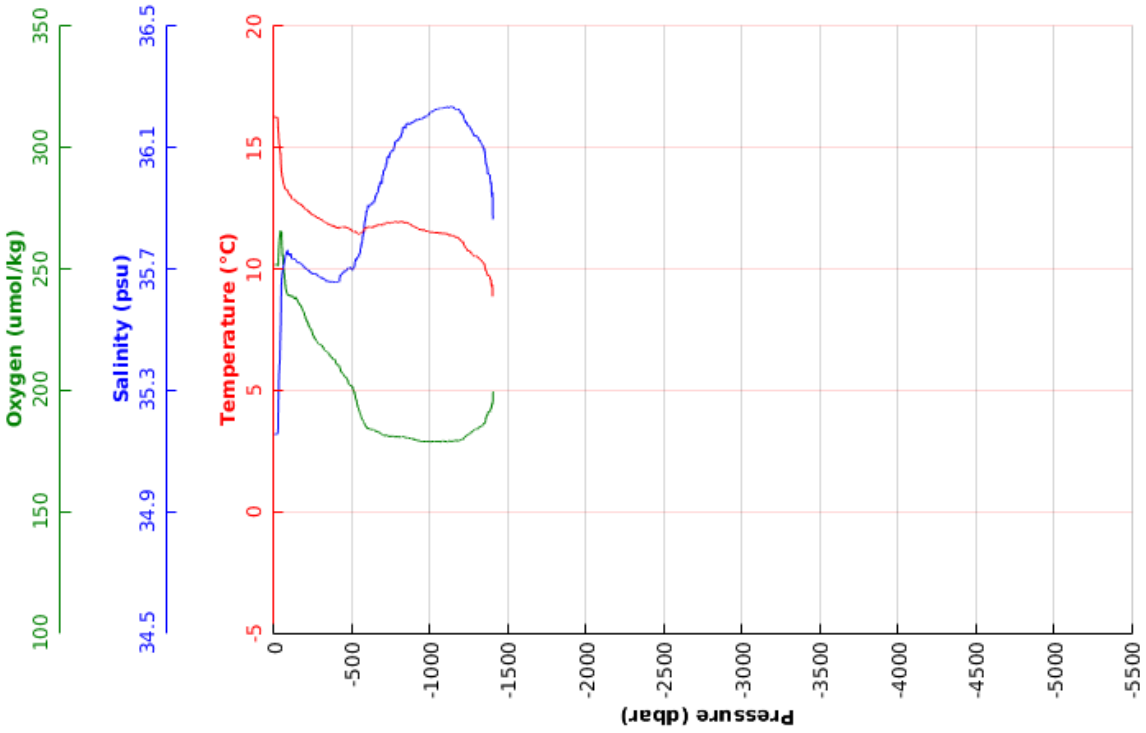

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 10

Profile	: 11	Cruise	: GEOVIDE (Classic)
Station	: 5	Cast	: 1
Date	: 21/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1402 m	Organism	: CNRS - IFREMER
Position	: N 40 19.98 W 009 48.11		

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.262	35.155	251.9	16.262
10.0	16.262	35.156	251.7	16.260
20.0	16.258	35.157	251.6	16.255
30.0	15.403	35.357	261.6	15.398
40.0	14.816	35.508	264.7	14.810
50.0	13.899	35.680	255.5	13.892
100.0	13.051	35.745	238.9	13.037
150.0	12.729	35.721	236.5	12.709
200.0	12.480	35.701	229.4	12.453
250.0	12.225	35.685	222.4	12.192
300.0	12.032	35.670	218.4	11.993
350.0	11.856	35.660	215.2	11.810
400.0	11.707	35.657	210.8	11.655
450.0	11.727	35.692	205.6	11.668
500.0	11.582	35.698	201.3	11.517
550.0	11.445	35.754	190.2	11.374
600.0	11.747	35.909	184.2	11.667
650.0	11.760	35.935	183.4	11.674
700.0	11.878	36.026	181.4	11.784
750.0	11.920	36.088	181.1	11.819
800.0	11.932	36.131	180.8	11.824
850.0	11.903	36.179	180.5	11.788
900.0	11.754	36.188	179.6	11.633
950.0	11.606	36.196	179.0	11.479
1000.0	11.521	36.216	178.8	11.388
1050.0	11.491	36.228	179.0	11.351
1100.0	11.461	36.234	179.0	11.315
1150.0	11.374	36.233	179.1	11.221
1200.0	11.178	36.215	179.7	11.020
1250.0	10.741	36.169	182.1	10.580
1300.0	10.519	36.139	184.1	10.353
1350.0	10.179	36.084	186.7	10.010
1400.0	9.382	35.953	194.7	9.214
1402.0	8.874	35.864	199.5	8.711

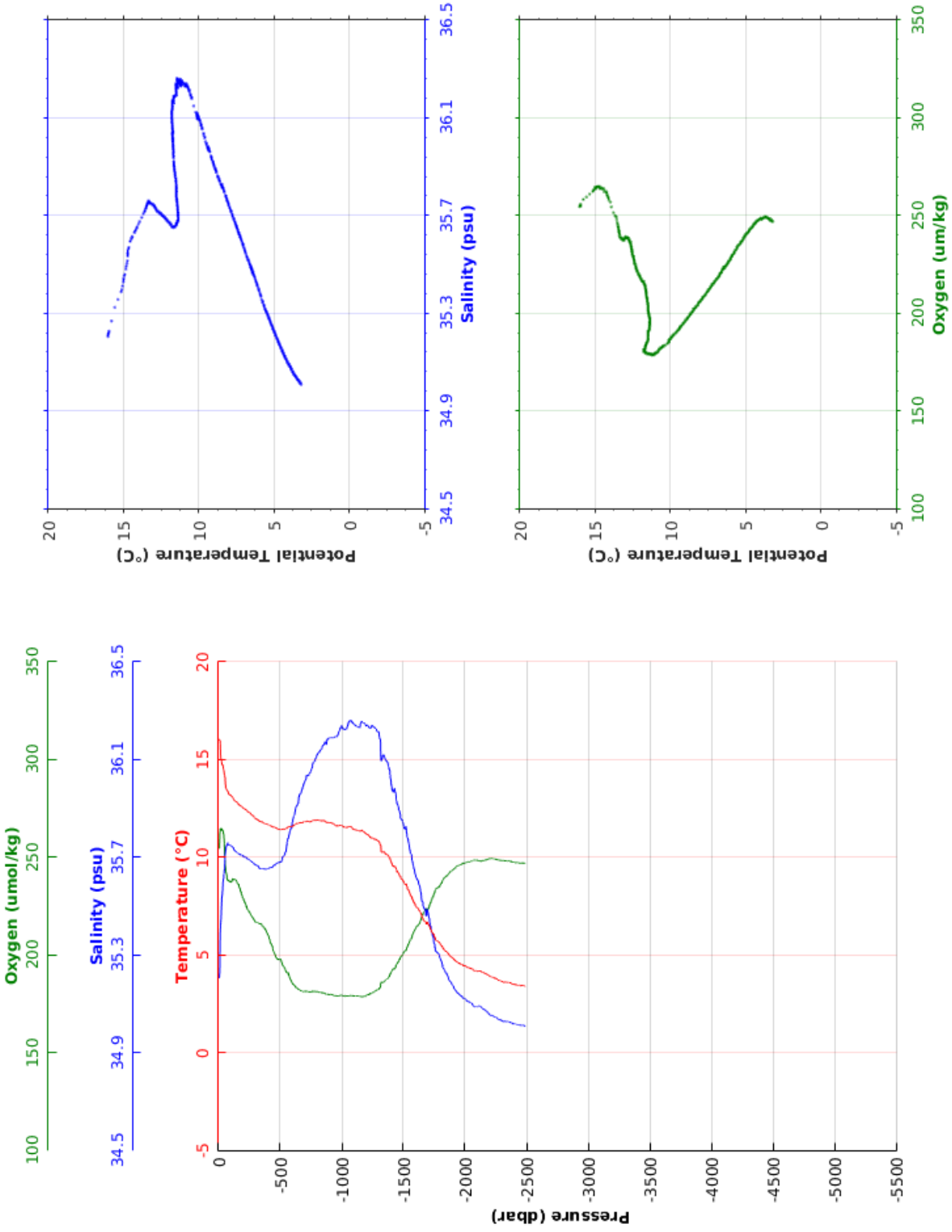

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 11

Profile	: 12	Cruise	: GEOVIDE (Classic)
Station	: 6	Cast	: 1
Date	: 21/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2470 m	Organism	: CNRS - IFREMER
Position	: N 40 19.99 W 009 52.57		

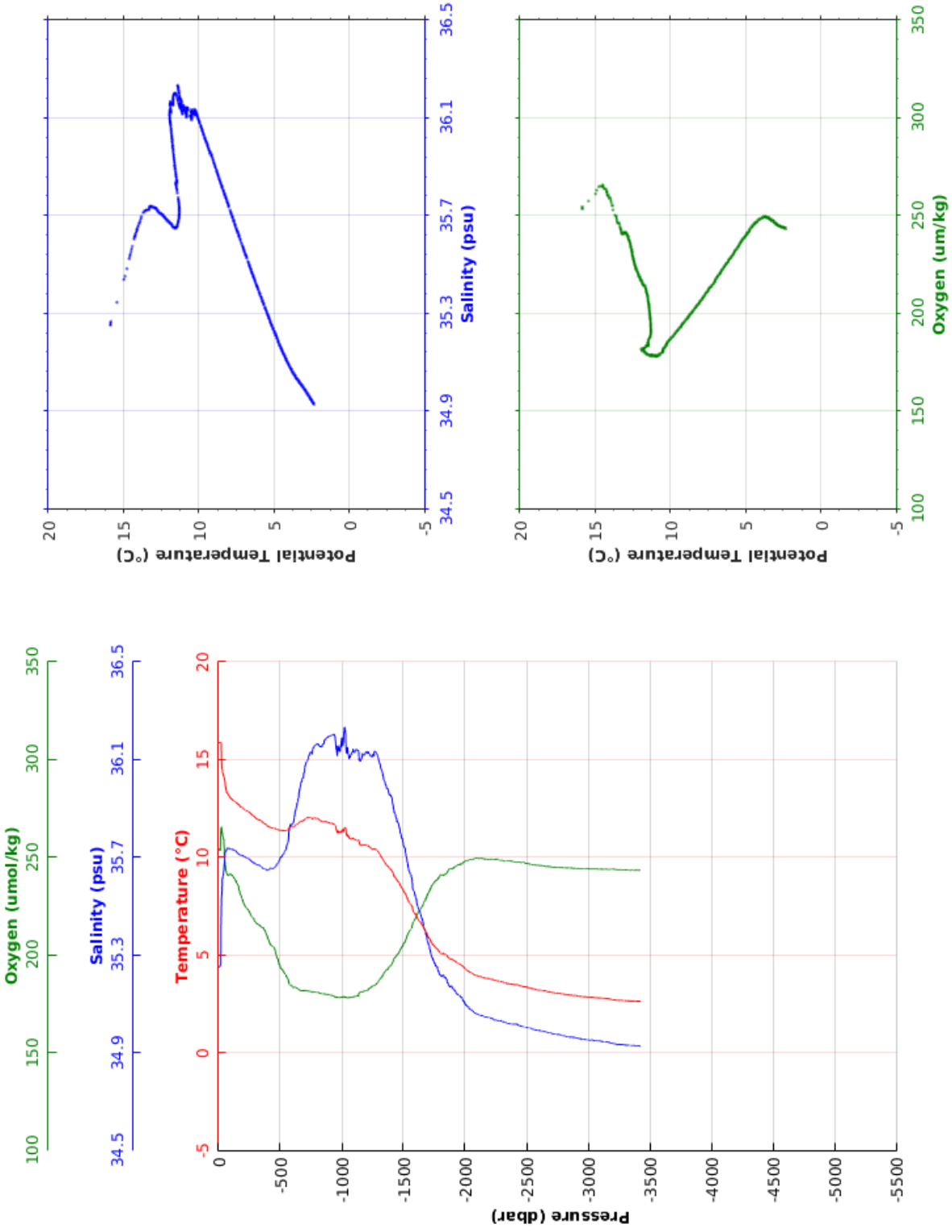
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.022	35.208	254.7	16.022
10.0	16.005	35.215	255.0	16.004
20.0	15.017	35.428	264.1	15.014
30.0	14.722	35.537	264.7	14.718
40.0	14.500	35.603	263.6	14.494
50.0	14.164	35.644	259.7	14.157
100.0	13.159	35.749	237.5	13.145
150.0	12.794	35.720	237.9	12.774
200.0	12.527	35.707	229.5	12.500
250.0	12.291	35.691	222.6	12.257
300.0	11.979	35.670	217.4	11.939
350.0	11.810	35.654	215.7	11.764
400.0	11.667	35.654	210.7	11.615
450.0	11.545	35.665	201.9	11.486
500.0	11.427	35.680	197.7	11.362
550.0	11.467	35.725	191.9	11.396
600.0	11.584	35.840	185.9	11.506
650.0	11.732	35.920	182.6	11.646
700.0	11.814	36.007	181.2	11.720
750.0	11.834	36.052	181.1	11.734
800.0	11.891	36.114	181.2	11.784
850.0	11.866	36.157	180.6	11.751
900.0	11.776	36.189	179.5	11.655
950.0	11.630	36.194	179.1	11.503
1000.0	11.649	36.238	179.2	11.515
1050.0	11.557	36.239	179.0	11.417
1100.0	11.420	36.245	179.1	11.274
1150.0	11.327	36.231	179.0	11.174
1200.0	11.181	36.237	179.0	11.022
1250.0	11.005	36.239	180.4	10.841
1300.0	10.809	36.213	182.3	10.640
1350.0	10.225	36.110	186.4	10.055
1400.0	9.767	36.018	190.4	9.595
1450.0	9.251	35.921	195.3	9.078
1500.0	8.764	35.838	200.2	8.590
1550.0	8.189	35.745	206.0	8.015
1600.0	7.503	35.628	213.1	7.331
1650.0	6.969	35.531	218.6	6.798
1700.0	6.641	35.482	222.6	6.468
1750.0	5.928	35.348	230.7	5.759
1800.0	5.568	35.290	235.3	5.398
1850.0	5.162	35.226	240.2	4.992
1900.0	4.841	35.178	243.1	4.671
1950.0	4.580	35.141	245.8	4.409
2000.0	4.443	35.121	246.9	4.268
2050.0	4.294	35.102	247.9	4.117
2100.0	4.168	35.086	248.6	3.988
2150.0	4.087	35.079	248.3	3.903
2200.0	3.907	35.056	249.1	3.721
2250.0	3.795	35.045	249.0	3.605
2300.0	3.645	35.031	248.4	3.453
2350.0	3.607	35.028	248.1	3.411
2400.0	3.488	35.017	247.5	3.289
2450.0	3.429	35.012	247.0	3.226
2491.0	3.393	35.008	246.9	3.186


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 12

Profile : 13	Cruise : GEOVIDE (Classic)
Station : 7	Cast : 1
Date : 22/05/2014	Ship : N/O Pourquoi pas ?
Depth : 3387 m	Organism : CNRS - IFREMER
Position : N 40 19.98 W 009 56.64	

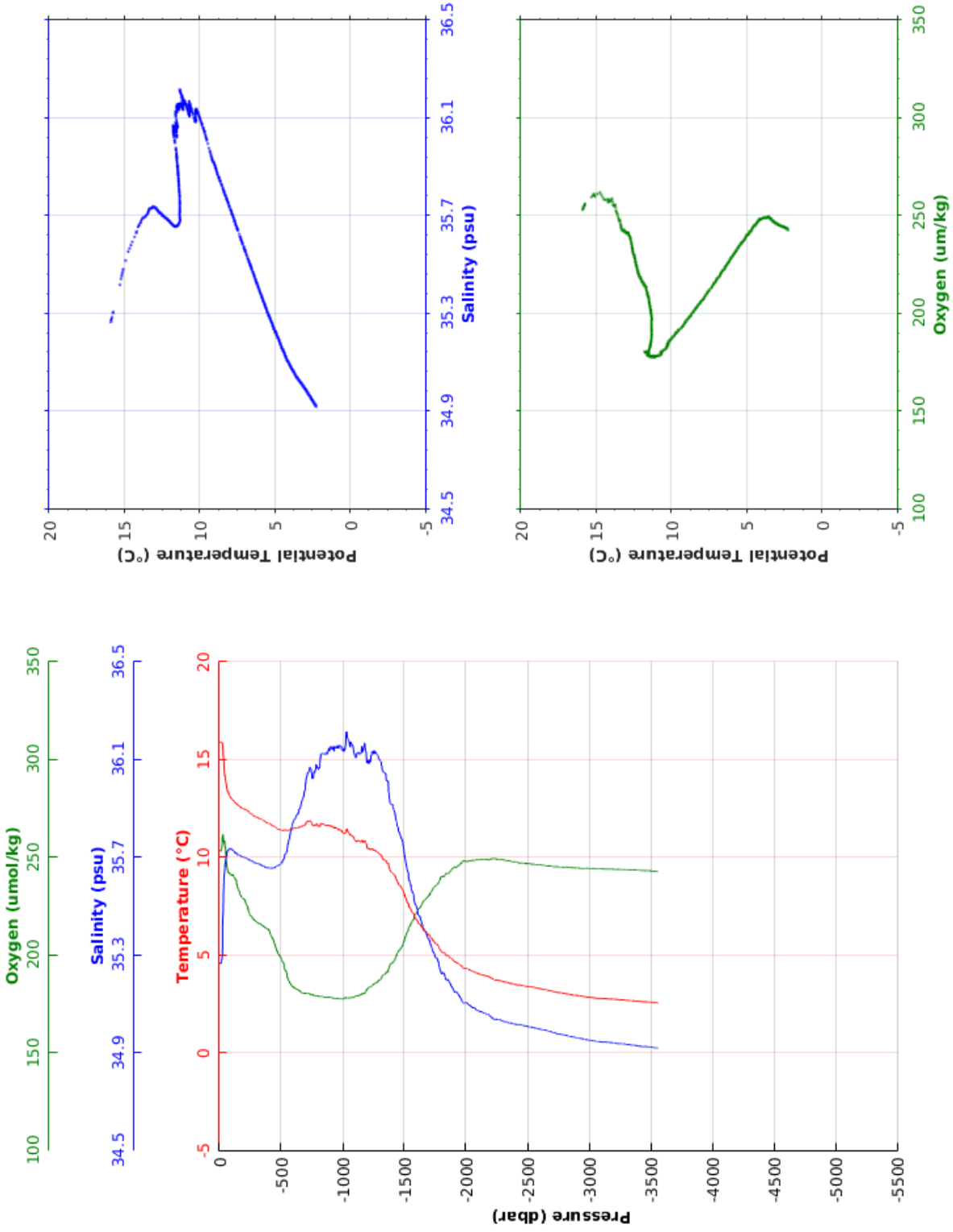
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.865	35.252	254.0	15.865	3050.0	2.818	34.949	244.0	2.566
10.0	15.867	35.251	254.3	15.866	3100.0	2.789	34.946	244.0	2.532
20.0	15.839	35.266	254.2	15.835	3150.0	2.766	34.944	243.9	2.504
30.0	14.500	35.552	265.7	14.496	3200.0	2.710	34.938	243.9	2.444
40.0	14.197	35.624	260.5	14.191	3250.0	2.669	34.933	243.6	2.399
50.0	13.925	35.673	256.5	13.918	3300.0	2.653	34.931	243.5	2.378
100.0	13.019	35.733	241.3	13.005	3350.0	2.636	34.929	243.4	2.357
150.0	12.759	35.721	237.3	12.739	3400.0	2.630	34.928	243.4	2.345
200.0	12.510	35.707	227.9	12.483	3428.0	2.619	34.926	243.2	2.331
250.0	12.316	35.694	222.5	12.283					
300.0	12.024	35.674	217.0	11.984					
350.0	11.851	35.663	214.5	11.805					
400.0	11.591	35.648	209.5	11.539					
450.0	11.482	35.655	204.1	11.424					
500.0	11.379	35.692	194.9	11.315					
550.0	11.365	35.731	189.9	11.294					
600.0	11.542	35.833	184.2	11.463					
650.0	11.744	35.942	182.6	11.658					
700.0	11.932	36.051	181.9	11.838					
750.0	12.015	36.131	181.3	11.914					
800.0	11.988	36.163	181.1	11.879					
850.0	11.808	36.164	180.1	11.694					
900.0	11.760	36.195	179.6	11.640					
950.0	11.573	36.186	178.6	11.446					
1000.0	11.365	36.175	178.4	11.233					
1050.0	11.160	36.151	177.9	11.022					
1100.0	10.912	36.129	178.6	10.770					
1150.0	10.612	36.093	180.8	10.465					
1200.0	10.634	36.133	181.6	10.481					
1250.0	10.415	36.113	183.9	10.257					
1300.0	10.245	36.106	186.1	10.081					
1350.0	9.726	36.012	191.0	9.561					
1400.0	9.356	35.953	194.5	9.188					
1450.0	8.794	35.849	199.9	8.625					
1500.0	8.286	35.757	204.8	8.117					
1550.0	7.645	35.641	211.7	7.477					
1600.0	7.059	35.541	218.4	6.892					
1650.0	6.554	35.453	224.1	6.387					
1700.0	5.958	35.355	230.7	5.794					
1750.0	5.447	35.272	236.7	5.284					
1800.0	5.101	35.219	240.6	4.938					
1850.0	5.004	35.205	241.3	4.836					
1900.0	4.753	35.165	244.1	4.584					
1950.0	4.545	35.135	246.2	4.374					
2000.0	4.314	35.104	247.7	4.141					
2050.0	4.078	35.076	248.7	3.904					
2100.0	3.923	35.058	249.6	3.747					
2150.0	3.828	35.048	249.3	3.648					
2200.0	3.777	35.043	248.9	3.593					
2250.0	3.684	35.033	248.9	3.497					
2300.0	3.624	35.029	248.4	3.432					
2350.0	3.529	35.020	248.0	3.334					
2400.0	3.483	35.016	247.7	3.284					
2450.0	3.418	35.010	247.3	3.215					
2500.0	3.352	35.003	247.0	3.145					
2550.0	3.257	34.996	246.2	3.047					
2600.0	3.201	34.990	245.8	2.987					
2650.0	3.164	34.987	245.4	2.946					
2700.0	3.085	34.979	245.0	2.863					
2750.0	3.039	34.974	244.8	2.813					
2800.0	2.989	34.969	244.6	2.759					
2850.0	2.943	34.964	244.5	2.709					
2900.0	2.915	34.961	244.3	2.677					
2950.0	2.866	34.955	244.2	2.623					
3000.0	2.840	34.952	244.1	2.593					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 13

Profile	: 14	Cruise	: GEOVIDE (Classic)
Station	: 8	Cast	: 1
Date	: 22/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3514 m	Organism	: CNRS - IFREMER
Position	: N 40 19.98 W 010 2.15		

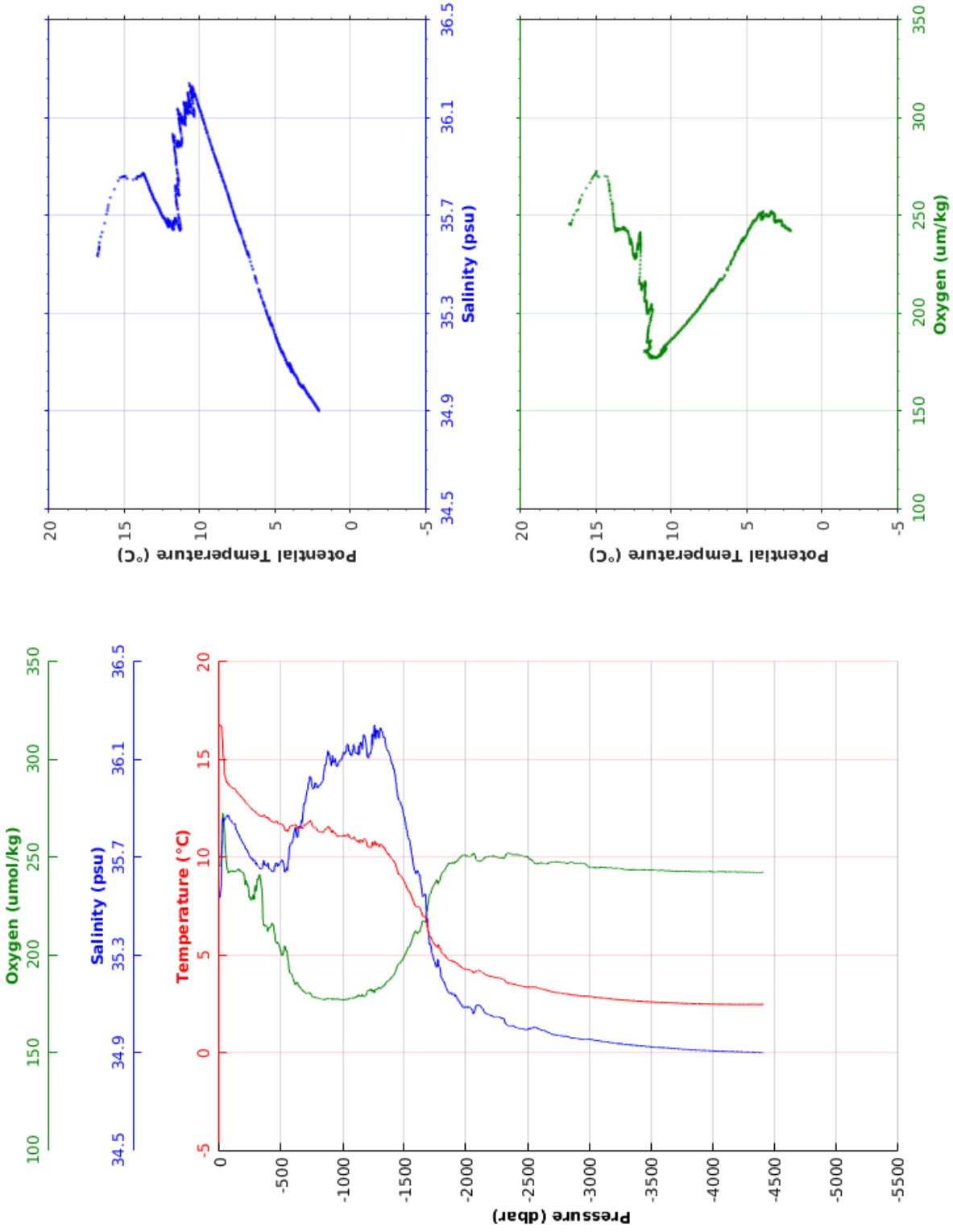
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.886	35.265	253.2	15.886	3050.0	2.792	34.947	244.1	2.540
10.0	15.885	35.265	253.3	15.884	3100.0	2.763	34.944	244.1	2.507
20.0	15.866	35.274	253.6	15.863	3150.0	2.751	34.942	243.9	2.490
30.0	15.227	35.440	260.2	15.222	3200.0	2.729	34.939	243.9	2.463
40.0	14.336	35.612	258.0	14.330	3250.0	2.702	34.936	243.7	2.432
50.0	13.914	35.674	257.0	13.907	3300.0	2.681	34.934	243.7	2.406
100.0	12.984	35.733	240.9	12.970	3350.0	2.652	34.930	243.5	2.372
150.0	12.659	35.711	235.6	12.638	3400.0	2.624	34.928	243.4	2.340
200.0	12.473	35.699	228.8	12.446	3450.0	2.595	34.924	243.2	2.305
250.0	12.234	35.687	220.9	12.200	3500.0	2.578	34.922	242.9	2.283
300.0	12.046	35.676	217.2	12.006	3550.0	2.544	34.918	242.7	2.245
350.0	11.892	35.665	215.5	11.846	3561.0	2.538	34.917	242.6	2.238
400.0	11.733	35.656	213.3	11.681					
450.0	11.534	35.658	206.4	11.476					
500.0	11.391	35.672	199.2	11.327					
550.0	11.376	35.723	191.1	11.305					
600.0	11.469	35.842	183.6	11.391					
650.0	11.537	35.897	181.8	11.452					
700.0	11.727	35.998	180.3	11.634					
750.0	11.728	36.045	179.8	11.628					
800.0	11.621	36.066	178.7	11.515					
850.0	11.676	36.122	178.5	11.563					
900.0	11.597	36.142	178.1	11.478					
950.0	11.478	36.148	177.6	11.352					
1000.0	11.250	36.137	177.3	11.118					
1050.0	11.240	36.179	178.0	11.102					
1100.0	10.884	36.120	178.5	10.742					
1150.0	10.788	36.124	179.5	10.640					
1200.0	10.463	36.087	182.2	10.311					
1250.0	10.409	36.135	184.3	10.251					
1300.0	10.150	36.100	187.0	9.987					
1350.0	9.828	36.042	190.1	9.662					
1400.0	9.215	35.915	195.6	9.049					
1450.0	8.690	35.824	200.9	8.523					
1500.0	8.116	35.726	206.5	7.949					
1550.0	7.356	35.593	214.8	7.192					
1600.0	6.807	35.500	221.1	6.644					
1650.0	6.351	35.422	226.0	6.187					
1700.0	6.020	35.366	230.1	5.855					
1750.0	5.616	35.298	234.7	5.451					
1800.0	5.176	35.229	239.6	5.012					
1850.0	4.955	35.199	241.7	4.789					
1900.0	4.717	35.161	244.1	4.549					
1950.0	4.499	35.130	246.1	4.329					
2000.0	4.319	35.105	248.0	4.146					
2050.0	4.164	35.086	248.4	3.989					
2100.0	4.045	35.072	248.8	3.867					
2150.0	3.946	35.061	248.9	3.764					
2200.0	3.828	35.048	249.1	3.643					
2250.0	3.713	35.037	249.0	3.525					
2300.0	3.640	35.029	248.7	3.448					
2350.0	3.560	35.022	248.2	3.364					
2400.0	3.484	35.016	247.7	3.285					
2450.0	3.440	35.013	247.1	3.237					
2500.0	3.384	35.007	246.7	3.177					
2550.0	3.332	35.002	246.5	3.121					
2600.0	3.267	34.996	246.1	3.052					
2650.0	3.219	34.991	245.8	3.000					
2700.0	3.144	34.985	245.4	2.921					
2750.0	3.069	34.976	245.2	2.842					
2800.0	3.030	34.972	244.9	2.799					
2850.0	2.968	34.966	244.7	2.733					
2900.0	2.924	34.961	244.5	2.686					
2950.0	2.880	34.957	244.3	2.637					
3000.0	2.827	34.951	244.3	2.580					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 14

Profile : 15	Cruise : GEOVIDE (Classic)
Station : 9	Cast : 1
Date : 22/05/2014	Ship : N/O Pourquoi pas ?
Depth : 4351 m	Organism : CNRS - IFREMER
Position : N 40 19.95 W 010 34.64	

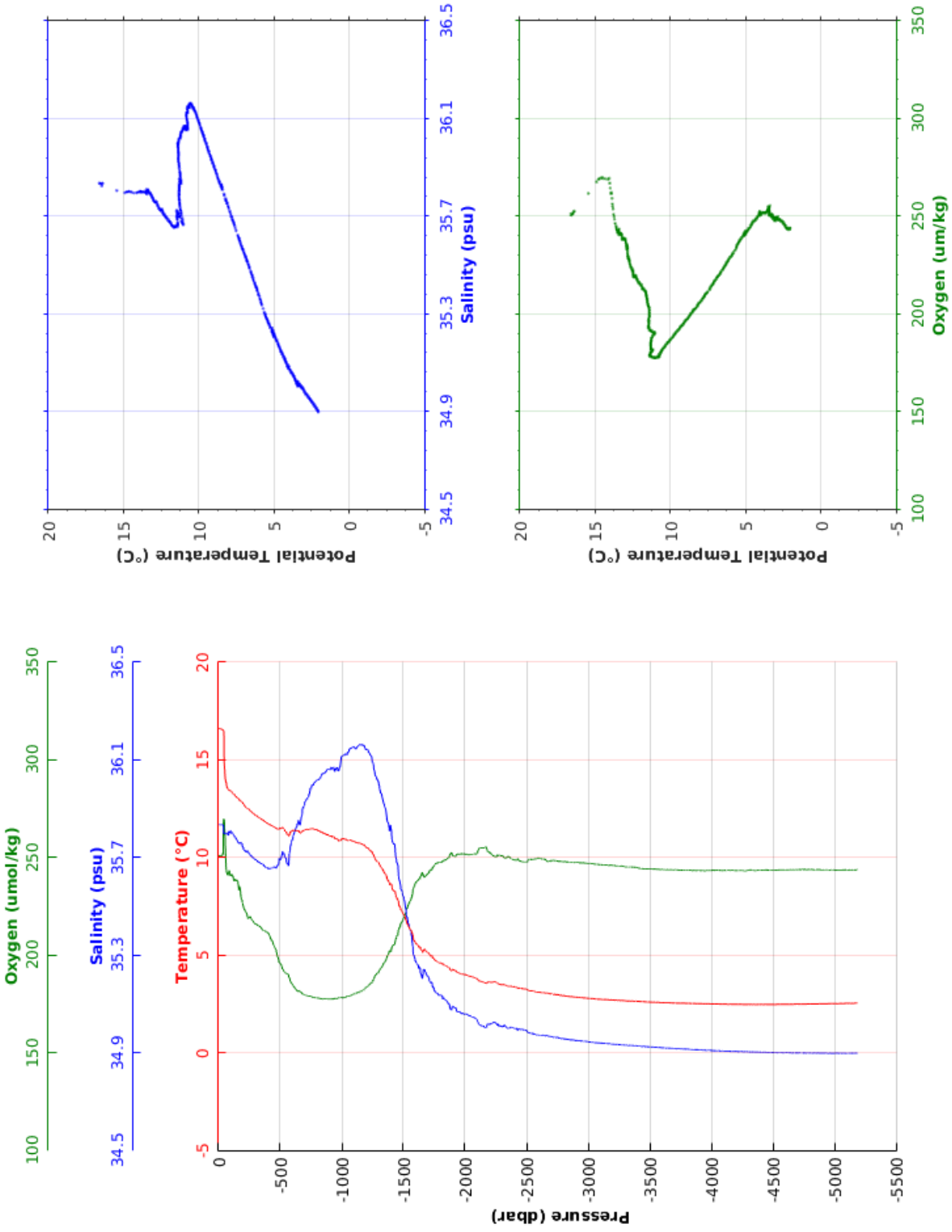
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.759	35.534	245.8	16.759	3050.0	2.830	34.950	244.7	2.578
10.0	16.734	35.547	245.7	16.732	3100.0	2.799	34.946	244.8	2.542
20.0	16.478	35.631	250.4	16.475	3150.0	2.772	34.943	244.5	2.511
30.0	15.214	35.855	269.6	15.209	3200.0	2.732	34.939	244.4	2.466
40.0	14.419	35.847	270.1	14.413	3250.0	2.705	34.936	244.5	2.434
50.0	14.054	35.860	260.3	14.046	3300.0	2.676	34.933	243.8	2.401
100.0	13.585	35.849	243.0	13.571	3350.0	2.655	34.931	243.5	2.374
150.0	13.273	35.799	243.3	13.252	3400.0	2.630	34.928	243.5	2.345
200.0	12.941	35.754	242.1	12.913	3450.0	2.610	34.925	243.5	2.320
250.0	12.549	35.703	229.2	12.515	3500.0	2.589	34.923	243.3	2.294
300.0	12.273	35.678	232.8	12.233	3550.0	2.577	34.921	243.3	2.277
350.0	12.079	35.656	233.1	12.033	3600.0	2.565	34.920	243.3	2.260
400.0	11.988	35.668	212.6	11.935	3650.0	2.551	34.918	243.1	2.241
450.0	11.807	35.658	211.9	11.748	3700.0	2.536	34.916	242.9	2.220
500.0	11.710	35.680	202.4	11.644	3750.0	2.520	34.914	242.8	2.200
550.0	11.352	35.650	201.7	11.281	3800.0	2.508	34.912	242.9	2.183
600.0	11.652	35.780	188.5	11.573	3850.0	2.495	34.910	242.5	2.164
650.0	11.538	35.827	184.0	11.453	3900.0	2.488	34.909	242.5	2.151
700.0	11.656	35.925	180.7	11.564	3950.0	2.482	34.908	242.5	2.140
750.0	11.704	36.005	179.6	11.605	4000.0	2.477	34.907	242.5	2.129
800.0	11.350	35.986	178.0	11.245	4050.0	2.469	34.906	242.7	2.116
850.0	11.371	36.046	177.2	11.260	4100.0	2.467	34.905	242.6	2.108
900.0	11.415	36.103	177.5	11.297	4150.0	2.463	34.904	242.5	2.099
950.0	11.130	36.079	177.2	11.006	4200.0	2.461	34.903	242.4	2.091
1000.0	11.089	36.109	177.1	10.959	4250.0	2.460	34.902	242.4	2.084
1050.0	11.133	36.151	177.0	10.996	4300.0	2.459	34.902	242.3	2.077
1100.0	10.944	36.141	178.1	10.802	4350.0	2.460	34.901	242.3	2.072
1150.0	10.879	36.168	178.8	10.731	4400.0	2.458	34.900	242.1	2.064
1200.0	10.584	36.115	180.6	10.431	4418.0	2.458	34.900	242.2	2.062
1250.0	10.716	36.200	181.3	10.555					
1300.0	10.540	36.189	183.4	10.373					
1350.0	10.336	36.169	185.2	10.165					
1400.0	9.920	36.089	188.3	9.746					
1450.0	9.181	35.947	194.4	9.008					
1500.0	8.745	35.869	198.9	8.571					
1550.0	8.151	35.757	204.6	7.978					
1600.0	7.488	35.641	211.9	7.316					
1650.0	6.996	35.546	216.5	6.824					
1700.0	6.179	35.389	226.6	6.012					
1750.0	5.526	35.272	236.3	5.362					
1800.0	5.139	35.212	240.1	4.975					
1850.0	4.829	35.160	245.2	4.664					
1900.0	4.661	35.139	247.1	4.494					
1950.0	4.449	35.110	249.2	4.280					
2000.0	4.254	35.083	251.2	4.082					
2050.0	4.172	35.077	250.7	3.997					
2100.0	4.205	35.096	248.1	4.024					
2150.0	4.023	35.068	249.3	3.840					
2200.0	3.911	35.053	250.5	3.724					
2250.0	3.841	35.047	250.1	3.651					
2300.0	3.763	35.040	249.7	3.569					
2350.0	3.549	35.009	252.1	3.354					
2400.0	3.487	35.005	251.2	3.288					
2450.0	3.409	34.998	251.1	3.206					
2500.0	3.342	34.993	250.4	3.136					
2550.0	3.343	35.001	247.8	3.132					
2600.0	3.288	34.997	246.9	3.073					
2650.0	3.208	34.988	246.7	2.989					
2700.0	3.113	34.976	247.4	2.891					
2750.0	3.058	34.971	247.5	2.831					
2800.0	3.014	34.966	247.1	2.783					
2850.0	2.962	34.960	247.2	2.727					
2900.0	2.931	34.958	246.8	2.692					
2950.0	2.894	34.954	246.8	2.651					
3000.0	2.883	34.955	245.1	2.635					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 15

Profile	: 16	Cruise	: GEOVIDE (Classic)
Station	: 10	Cast	: 1
Date	: 22/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 5098 m	Organism	: CNRS - IFREMER
Position	: N 40 19.98 W 011 20.41		

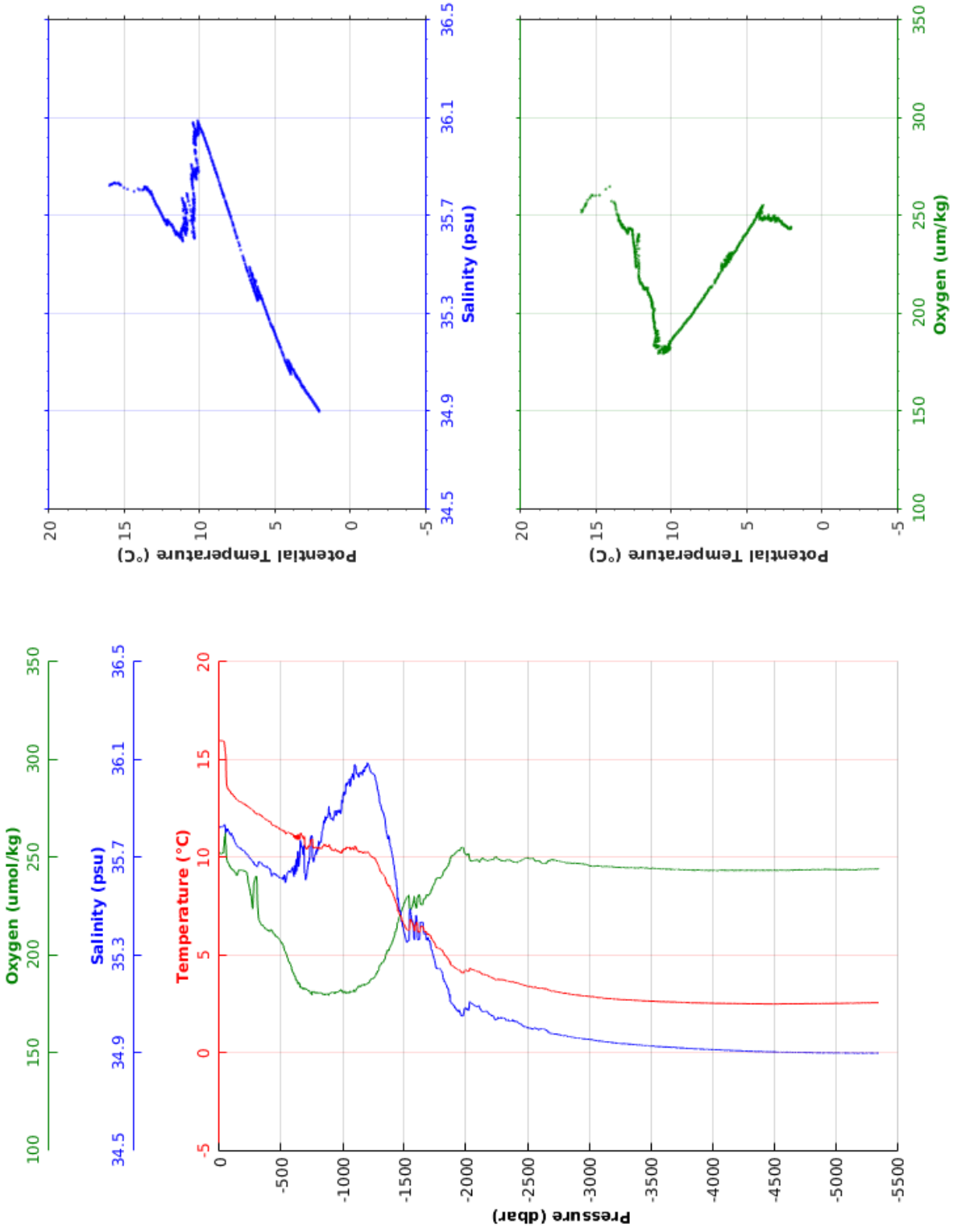
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.609	35.835	250.7	16.609	3050.0	2.757	34.941	246.7	2.507
10.0	16.608	35.836	250.7	16.606	3100.0	2.733	34.939	246.4	2.477
20.0	16.551	35.834	250.9	16.547	3150.0	2.713	34.937	246.2	2.453
30.0	16.570	35.835	250.7	16.565	3200.0	2.695	34.935	246.0	2.430
40.0	16.482	35.832	251.6	16.476	3250.0	2.675	34.933	245.6	2.406
50.0	14.489	35.799	269.4	14.482	3300.0	2.657	34.931	245.2	2.382
100.0	13.413	35.808	240.8	13.399	3350.0	2.642	34.929	245.1	2.362
150.0	13.061	35.772	238.1	13.040	3400.0	2.625	34.927	244.7	2.341
200.0	12.743	35.742	226.8	12.715	3450.0	2.609	34.925	244.2	2.319
250.0	12.428	35.716	219.1	12.395	3500.0	2.591	34.923	244.2	2.296
300.0	12.164	35.692	216.3	12.124	3550.0	2.580	34.922	244.1	2.280
350.0	11.952	35.675	213.9	11.906	3600.0	2.566	34.920	243.9	2.261
400.0	11.736	35.657	211.8	11.684	3650.0	2.552	34.918	243.7	2.242
450.0	11.574	35.662	205.5	11.516	3700.0	2.543	34.917	243.6	2.228
500.0	11.492	35.692	196.2	11.428	3750.0	2.536	34.916	243.6	2.215
550.0	11.315	35.699	190.7	11.244	3800.0	2.530	34.914	243.4	2.203
600.0	11.374	35.772	185.3	11.297	3850.0	2.518	34.913	243.3	2.186
650.0	11.363	35.849	181.4	11.279	3900.0	2.511	34.911	243.4	2.174
700.0	11.405	35.915	179.9	11.313	3950.0	2.504	34.910	243.2	2.161
750.0	11.486	35.985	178.9	11.387	4000.0	2.497	34.909	243.3	2.148
800.0	11.410	36.018	178.1	11.306	4050.0	2.489	34.908	243.4	2.135
850.0	11.254	36.044	177.5	11.143	4100.0	2.485	34.907	243.3	2.126
900.0	11.114	36.060	177.5	10.997	4150.0	2.478	34.905	243.4	2.113
950.0	10.955	36.056	177.7	10.833	4200.0	2.475	34.905	243.3	2.104
1000.0	10.950	36.113	178.1	10.821	4250.0	2.472	34.904	243.2	2.096
1050.0	10.875	36.126	178.8	10.740	4300.0	2.472	34.903	243.3	2.089
1100.0	10.812	36.153	179.9	10.671	4350.0	2.470	34.902	243.4	2.082
1150.0	10.722	36.162	181.2	10.575	4400.0	2.470	34.902	243.6	2.075
1200.0	10.498	36.139	183.4	10.346	4450.0	2.471	34.901	243.6	2.070
1250.0	10.188	36.094	186.2	10.032	4500.0	2.471	34.900	243.6	2.065
1300.0	9.734	36.011	190.8	9.575	4550.0	2.474	34.900	243.6	2.061
1350.0	9.170	35.909	196.3	9.010	4600.0	2.476	34.900	243.7	2.057
1400.0	8.665	35.830	201.6	8.504	4650.0	2.480	34.899	243.7	2.055
1450.0	7.867	35.677	209.5	7.709	4700.0	2.483	34.899	243.8	2.052
1500.0	7.096	35.543	218.0	6.941	4750.0	2.487	34.899	243.9	2.050
1550.0	6.380	35.416	226.5	6.227	4800.0	2.491	34.899	243.8	2.047
1600.0	5.608	35.276	236.5	5.458	4850.0	2.496	34.898	243.8	2.046
1650.0	5.199	35.214	241.1	5.049	4900.0	2.501	34.898	243.5	2.044
1700.0	5.120	35.214	241.6	4.967	4950.0	2.506	34.898	243.5	2.043
1750.0	4.792	35.163	245.2	4.638	5000.0	2.511	34.898	243.6	2.042
1800.0	4.605	35.137	247.6	4.448	5050.0	2.517	34.898	243.6	2.041
1850.0	4.431	35.114	248.9	4.272	5100.0	2.524	34.898	243.6	2.041
1900.0	4.256	35.090	251.6	4.094	5150.0	2.530	34.898	243.6	2.041
1950.0	4.087	35.067	251.8	3.923	5186.0	2.535	34.897	243.7	2.041
2000.0	3.989	35.058	251.9	3.822					
2050.0	3.896	35.049	251.6	3.725					
2100.0	3.783	35.034	252.1	3.608					
2150.0	3.621	35.010	254.9	3.445					
2200.0	3.601	35.014	252.7	3.420					
2250.0	3.614	35.024	250.3	3.428					
2300.0	3.476	35.007	250.9	3.287					
2350.0	3.400	35.000	250.4	3.208					
2400.0	3.369	35.002	248.7	3.172					
2450.0	3.305	34.996	248.1	3.105					
2500.0	3.245	34.991	247.7	3.040					
2550.0	3.149	34.979	248.9	2.941					
2600.0	3.092	34.972	249.7	2.880					
2650.0	3.067	34.970	249.0	2.851					
2700.0	3.012	34.966	248.3	2.792					
2750.0	2.972	34.962	248.2	2.747					
2800.0	2.918	34.957	247.8	2.689					
2850.0	2.877	34.953	247.6	2.644					
2900.0	2.842	34.950	247.5	2.605					
2950.0	2.820	34.947	247.2	2.578					
3000.0	2.786	34.944	246.9	2.540					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 16

Profile : 17	Cruise : GEOVIDE (Classic)
Station : 11	Cast : 1
Date : 23/05/2014	Ship : N/O Pourquoi pas ?
Depth : 5255 m	Organism : CNRS - IFREMER
Position : N 40 19.96 W 012 13.14	

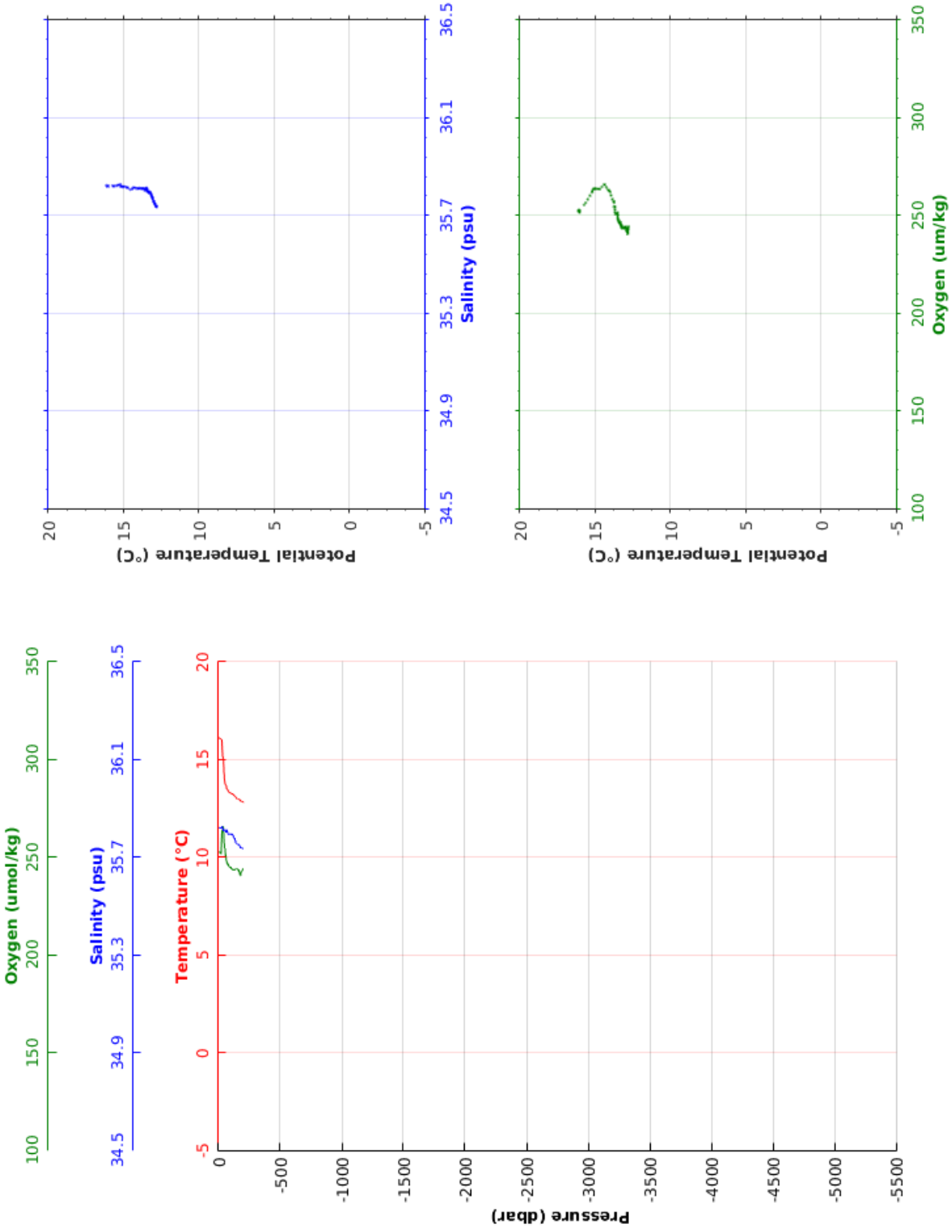
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.962	35.824	252.8	15.962	3050.0	2.837	34.950	245.5	2.585
10.0	15.954	35.823	251.9	15.953	3100.0	2.803	34.947	245.5	2.546
20.0	15.965	35.824	251.9	15.961	3150.0	2.766	34.943	245.2	2.505
30.0	15.950	35.826	251.9	15.946	3200.0	2.739	34.940	245.0	2.473
40.0	15.804	35.828	254.1	15.798	3250.0	2.716	34.937	244.8	2.445
50.0	15.297	35.828	260.2	15.289	3300.0	2.698	34.935	244.6	2.422
100.0	13.251	35.793	244.6	13.237	3350.0	2.686	34.934	244.6	2.405
150.0	12.914	35.746	240.7	12.893	3400.0	2.663	34.931	244.4	2.377
200.0	12.738	35.728	243.2	12.711	3450.0	2.643	34.928	244.4	2.352
250.0	12.494	35.696	234.1	12.461	3500.0	2.628	34.927	244.2	2.332
300.0	12.235	35.665	240.2	12.194	3550.0	2.615	34.925	244.3	2.314
350.0	12.072	35.673	215.1	12.026	3600.0	2.600	34.923	244.0	2.294
400.0	11.837	35.653	212.8	11.785	3650.0	2.593	34.922	243.9	2.282
450.0	11.609	35.632	211.0	11.550	3700.0	2.582	34.920	243.8	2.265
500.0	11.410	35.615	207.0	11.345	3750.0	2.568	34.919	243.6	2.246
550.0	11.270	35.628	200.2	11.199	3800.0	2.557	34.917	243.4	2.230
600.0	11.131	35.651	191.2	11.055	3850.0	2.546	34.916	243.4	2.214
650.0	10.941	35.674	185.9	10.858	3900.0	2.541	34.914	243.4	2.203
700.0	10.484	35.614	182.8	10.398	3950.0	2.533	34.913	243.3	2.189
750.0	10.929	35.788	180.4	10.834	4000.0	2.525	34.912	243.3	2.176
800.0	10.429	35.725	180.5	10.330	4050.0	2.519	34.911	243.2	2.165
850.0	10.662	35.851	179.5	10.555	4100.0	2.514	34.910	243.3	2.154
900.0	10.486	35.870	180.1	10.374	4150.0	2.510	34.909	243.3	2.144
950.0	10.340	35.874	180.8	10.223	4200.0	2.504	34.907	243.3	2.132
1000.0	10.307	35.923	181.6	10.183	4250.0	2.502	34.907	243.3	2.124
1050.0	10.495	36.008	180.7	10.363	4300.0	2.495	34.906	243.3	2.112
1100.0	10.578	36.080	181.1	10.438	4350.0	2.491	34.904	243.3	2.102
1150.0	10.287	36.048	184.0	10.143	4400.0	2.489	34.904	243.4	2.094
1200.0	10.241	36.074	185.1	10.091	4450.0	2.488	34.903	243.2	2.087
1250.0	9.982	36.042	187.9	9.828	4500.0	2.488	34.902	243.4	2.081
1300.0	9.394	35.939	193.3	9.239	4550.0	2.489	34.902	243.3	2.076
1350.0	8.828	35.833	198.5	8.672	4600.0	2.491	34.901	243.4	2.072
1400.0	8.236	35.722	205.4	8.080	4650.0	2.492	34.901	243.4	2.066
1450.0	7.243	35.527	216.5	7.091	4700.0	2.495	34.900	243.5	2.064
1500.0	6.540	35.396	225.4	6.390	4750.0	2.498	34.900	243.5	2.060
1550.0	6.823	35.488	223.0	6.665	4800.0	2.500	34.900	243.6	2.056
1600.0	6.666	35.463	224.3	6.504	4850.0	2.504	34.899	243.7	2.054
1650.0	6.462	35.435	225.6	6.297	4900.0	2.506	34.899	243.8	2.050
1700.0	6.051	35.364	230.4	5.886	4950.0	2.511	34.898	243.9	2.047
1750.0	5.534	35.274	236.9	5.369	5000.0	2.516	34.899	243.6	2.046
1800.0	5.284	35.238	239.6	5.118	5050.0	2.521	34.898	243.6	2.044
1850.0	4.847	35.168	244.6	4.682	5100.0	2.525	34.898	243.6	2.042
1900.0	4.406	35.096	251.1	4.242	5150.0	2.531	34.898	243.6	2.041
1950.0	4.219	35.069	253.3	4.053	5200.0	2.537	34.898	243.9	2.040
2000.0	4.216	35.081	251.7	4.045	5250.0	2.543	34.898	243.9	2.040
2050.0	4.252	35.100	248.1	4.076	5300.0	2.550	34.898	243.9	2.040
2100.0	4.143	35.089	248.4	3.963	5350.0	2.557	34.897	244.1	2.040
2150.0	3.988	35.068	249.0	3.805	5351.0	2.557	34.897	244.0	2.040
2200.0	3.870	35.056	248.5	3.684					
2250.0	3.719	35.034	250.3	3.530					
2300.0	3.715	35.041	248.3	3.522					
2350.0	3.640	35.030	248.5	3.443					
2400.0	3.581	35.028	247.4	3.380					
2450.0	3.491	35.015	248.3	3.287					
2500.0	3.398	35.001	249.7	3.191					
2550.0	3.331	34.996	249.4	3.120					
2600.0	3.294	34.995	248.1	3.078					
2650.0	3.260	34.993	246.8	3.040					
2700.0	3.145	34.978	248.6	2.922					
2750.0	3.101	34.974	248.1	2.874					
2800.0	3.038	34.969	247.5	2.807					
2850.0	2.993	34.965	247.1	2.758					
2900.0	2.945	34.960	246.9	2.706					
2950.0	2.909	34.956	246.7	2.665					
3000.0	2.878	34.954	245.8	2.629					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 17

Profile	: 18	Cruise	: GEOVIDE (Classic)
Station	: 11	Cast	: 3
Date	: 23/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 5255 m	Organism	: CNRS - IFREMER
Position	: N 40 19.96 W 012 13.14		

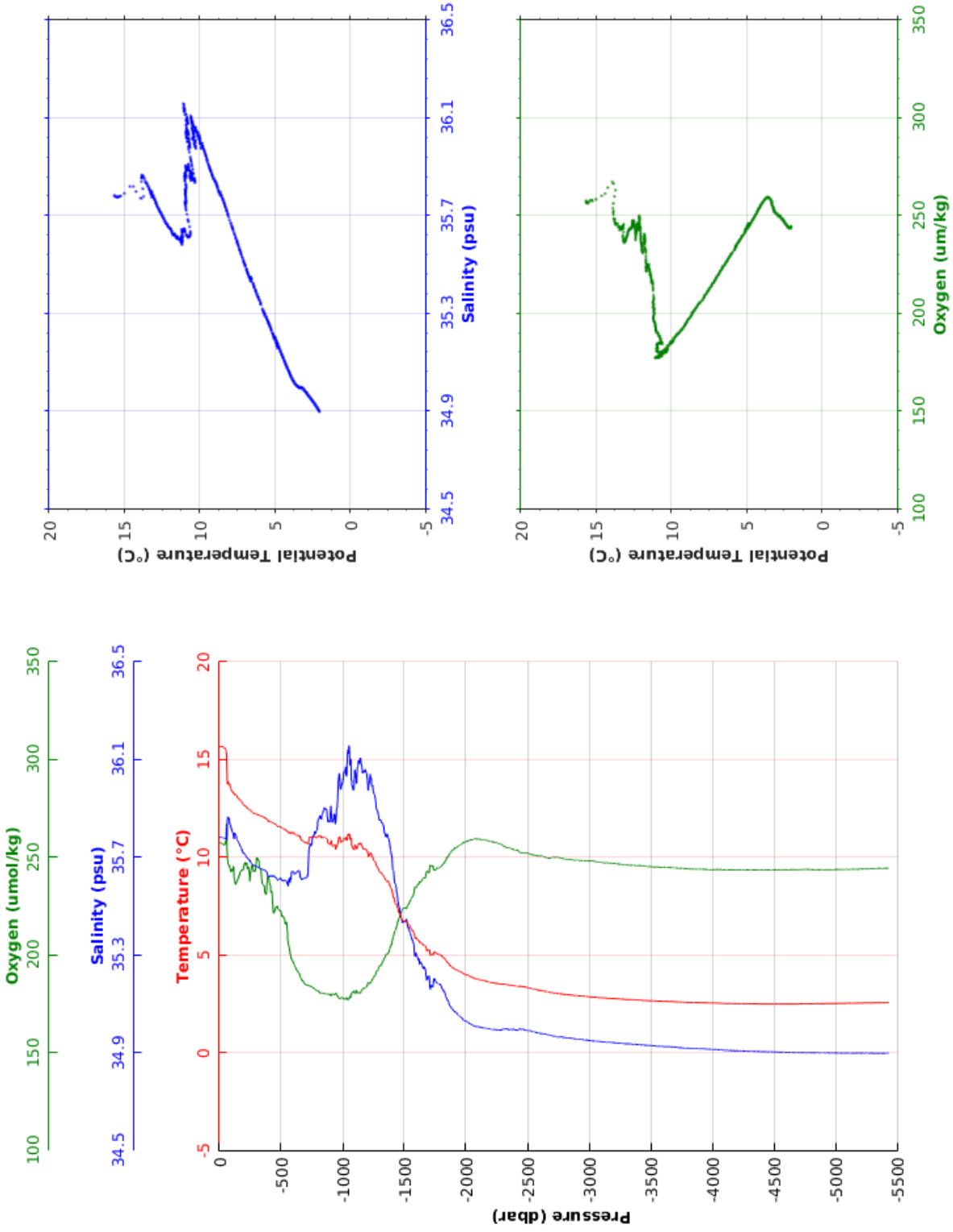
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	16.128	35.823	252.5	16.128
10.0	16.093	35.822	252.7	16.091
20.0	16.051	35.820	252.2	16.048
30.0	15.495	35.822	258.3	15.490
40.0	14.812	35.816	263.6	14.806
50.0	13.858	35.811	258.3	13.851
100.0	13.275	35.795	245.1	13.261
150.0	12.994	35.755	244.1	12.973
200.0	12.829	35.736	243.4	12.801
204.0	12.815	35.735	244.3	12.787


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 18

Profile	: 19	Cruise	: GEOVIDE (Classic)
Station	: 12	Cast	: 1
Date	: 23/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 5334 m	Organism	: CNRS - IFREMER
Position	: N 40 47.23 W 013 6.00		

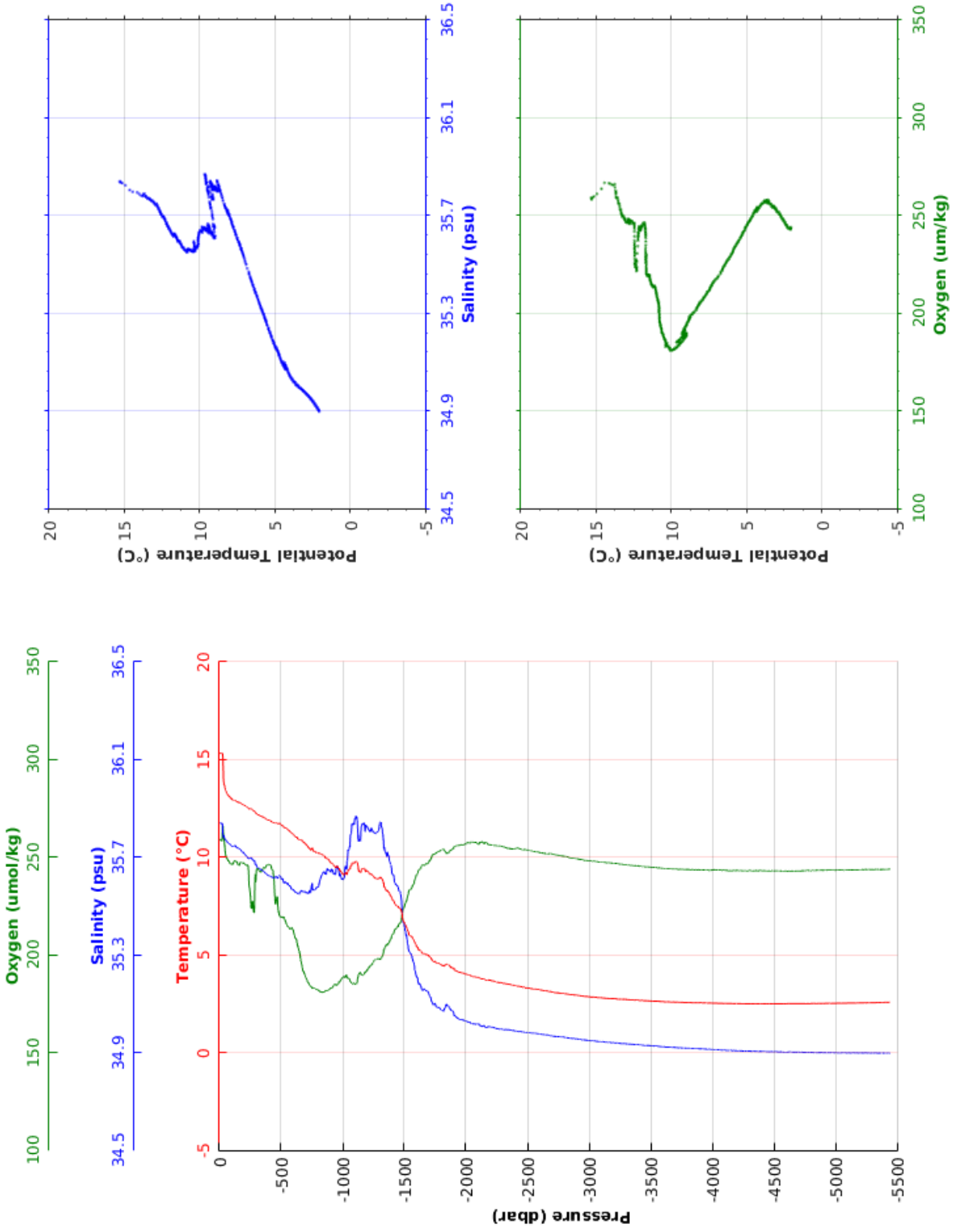
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.648	35.781	257.0	15.648	3050.0	2.826	34.947	247.8	2.574
10.0	15.666	35.782	257.4	15.664	3100.0	2.801	34.945	247.4	2.544
20.0	15.663	35.781	256.9	15.660	3150.0	2.777	34.942	247.2	2.516
30.0	15.641	35.780	256.7	15.636	3200.0	2.762	34.941	246.8	2.495
40.0	15.612	35.778	256.6	15.606	3250.0	2.743	34.939	246.5	2.471
50.0	15.530	35.777	256.8	15.522	3300.0	2.715	34.936	246.1	2.439
100.0	13.390	35.813	243.4	13.375	3350.0	2.707	34.935	245.9	2.425
150.0	13.023	35.768	238.1	13.002	3400.0	2.689	34.933	245.7	2.403
200.0	12.649	35.715	244.0	12.621	3450.0	2.664	34.930	245.4	2.373
250.0	12.419	35.688	240.6	12.386	3500.0	2.652	34.929	245.2	2.356
300.0	12.203	35.663	245.1	12.163	3550.0	2.633	34.926	245.0	2.332
350.0	12.078	35.652	238.3	12.032	3600.0	2.623	34.925	244.8	2.316
400.0	11.835	35.622	240.4	11.783	3650.0	2.614	34.924	244.8	2.302
450.0	11.702	35.621	221.7	11.644	3700.0	2.596	34.922	244.5	2.279
500.0	11.549	35.615	222.7	11.484	3750.0	2.580	34.919	244.3	2.258
550.0	11.332	35.597	216.8	11.261	3800.0	2.568	34.918	244.1	2.241
600.0	11.263	35.642	196.8	11.186	3850.0	2.562	34.917	244.0	2.229
650.0	11.100	35.646	190.7	11.017	3900.0	2.555	34.916	243.9	2.217
700.0	10.749	35.614	185.2	10.661	3950.0	2.546	34.914	243.8	2.202
750.0	10.994	35.752	184.2	10.899	4000.0	2.537	34.913	243.6	2.188
800.0	11.056	35.840	181.6	10.953	4050.0	2.527	34.911	243.7	2.172
850.0	11.023	35.893	180.4	10.914	4100.0	2.517	34.910	243.5	2.157
900.0	10.680	35.854	180.0	10.567	4150.0	2.507	34.908	243.6	2.141
950.0	10.514	35.871	180.3	10.395	4200.0	2.501	34.907	243.5	2.130
1000.0	10.821	36.002	177.9	10.693	4250.0	2.498	34.906	243.5	2.120
1050.0	11.144	36.136	177.5	11.007	4300.0	2.490	34.905	243.5	2.107
1100.0	10.596	36.044	180.6	10.456	4350.0	2.490	34.904	243.5	2.101
1150.0	10.673	36.095	180.7	10.526	4400.0	2.487	34.903	243.5	2.092
1200.0	10.299	36.033	183.7	10.149	4450.0	2.487	34.903	243.5	2.086
1250.0	9.882	35.973	187.9	9.729	4500.0	2.487	34.902	243.5	2.080
1300.0	9.245	35.852	193.8	9.091	4550.0	2.486	34.901	243.5	2.073
1350.0	8.814	35.788	199.0	8.658	4600.0	2.484	34.901	243.6	2.065
1400.0	8.284	35.706	205.2	8.128	4650.0	2.486	34.900	243.7	2.061
1450.0	7.287	35.523	216.3	7.135	4700.0	2.488	34.900	243.8	2.057
1500.0	6.736	35.435	223.8	6.584	4750.0	2.492	34.900	243.8	2.054
1550.0	6.412	35.390	227.3	6.259	4800.0	2.494	34.899	243.7	2.050
1600.0	5.855	35.304	234.3	5.703	4850.0	2.499	34.899	243.6	2.049
1650.0	5.538	35.256	238.0	5.384	4900.0	2.504	34.899	243.6	2.047
1700.0	5.249	35.211	242.3	5.093	4950.0	2.510	34.899	243.7	2.046
1750.0	5.135	35.200	243.3	4.977	5000.0	2.513	34.898	243.7	2.043
1800.0	4.990	35.177	244.8	4.828	5050.0	2.518	34.898	243.6	2.041
1850.0	4.613	35.118	249.5	4.451	5100.0	2.523	34.898	243.7	2.040
1900.0	4.318	35.075	253.6	4.155	5150.0	2.529	34.898	243.8	2.039
1950.0	4.152	35.050	256.1	3.987	5200.0	2.535	34.898	243.9	2.039
2000.0	3.991	35.029	257.8	3.823	5250.0	2.541	34.898	244.0	2.038
2050.0	3.861	35.014	258.9	3.690	5300.0	2.546	34.897	244.1	2.036
2100.0	3.750	35.006	259.4	3.576	5350.0	2.551	34.897	244.3	2.034
2150.0	3.676	35.001	258.9	3.498	5400.0	2.557	34.897	244.3	2.034
2200.0	3.589	34.996	258.1	3.408	5434.0	2.561	34.897	NaN	2.033
2250.0	3.535	34.993	257.6	3.350					
2300.0	3.499	34.995	256.2	3.309					
2350.0	3.452	34.994	254.9	3.259					
2400.0	3.415	34.993	253.8	3.217					
2450.0	3.389	34.995	252.3	3.186					
2500.0	3.335	34.990	252.1	3.129					
2550.0	3.258	34.985	251.2	3.048					
2600.0	3.184	34.979	250.6	2.971					
2650.0	3.120	34.974	249.9	2.903					
2700.0	3.067	34.969	249.8	2.845					
2750.0	3.015	34.964	249.9	2.789					
2800.0	2.980	34.961	249.1	2.751					
2850.0	2.948	34.959	248.8	2.714					
2900.0	2.915	34.955	248.5	2.677					
2950.0	2.898	34.954	248.3	2.655					
3000.0	2.852	34.950	248.0	2.604					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 19

Profile : 20	Cruise : GEOVIDE (Classic)
Station : 13	Cast : 1
Date : 24/05/2014	Ship : N/O Pourquoi pas ?
Depth : 5343 m	Organism : CNRS - IFREMER
Position : N 41 22.98 W 013 53.26	

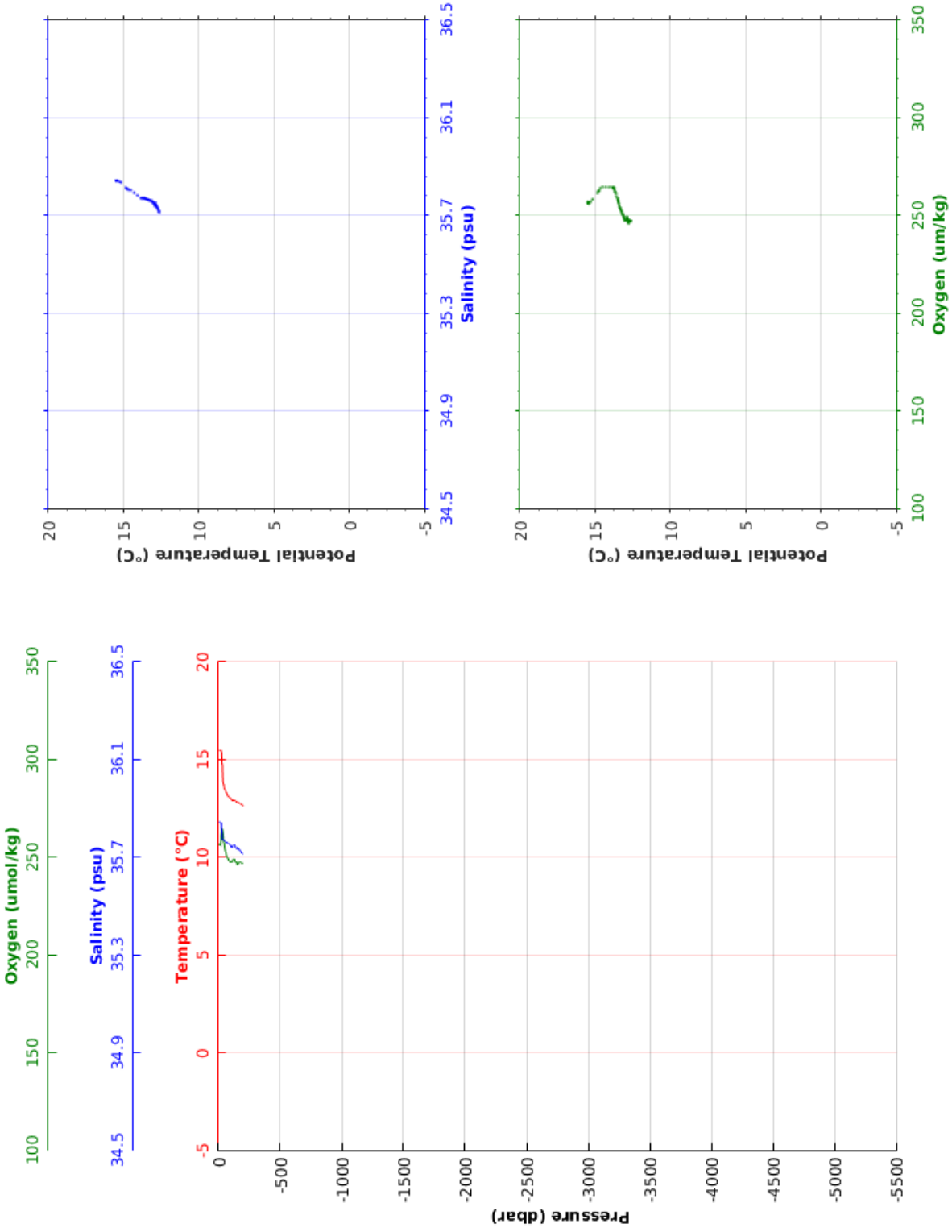
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.305	35.839	258.7	15.305	3050.0	2.828	34.947	247.9	2.575
10.0	15.313	35.839	259.0	15.311	3100.0	2.800	34.944	247.4	2.543
20.0	15.312	35.839	258.8	15.309	3150.0	2.773	34.942	247.3	2.511
30.0	14.646	35.804	263.6	14.641	3200.0	2.760	34.941	246.9	2.494
40.0	13.693	35.789	260.9	13.688	3250.0	2.730	34.938	246.4	2.459
50.0	13.458	35.771	256.0	13.451	3300.0	2.717	34.936	246.3	2.441
100.0	12.973	35.747	246.6	12.959	3350.0	2.693	34.934	245.7	2.412
150.0	12.821	35.738	247.6	12.801	3400.0	2.682	34.932	245.6	2.395
200.0	12.668	35.717	246.9	12.640	3450.0	2.656	34.930	245.2	2.365
250.0	12.472	35.697	234.6	12.438	3500.0	2.642	34.928	244.9	2.346
300.0	12.251	35.670	237.2	12.211	3550.0	2.627	34.926	244.7	2.326
350.0	12.072	35.647	242.9	12.025	3600.0	2.599	34.923	244.2	2.293
400.0	11.895	35.626	246.2	11.842	3650.0	2.588	34.922	244.1	2.277
450.0	11.759	35.615	236.7	11.700	3700.0	2.579	34.920	244.0	2.263
500.0	11.676	35.620	219.4	11.610	3750.0	2.570	34.919	243.8	2.248
550.0	11.428	35.592	215.6	11.357	3800.0	2.560	34.918	243.7	2.233
600.0	11.159	35.568	213.1	11.082	3850.0	2.553	34.916	243.7	2.220
650.0	10.891	35.550	202.7	10.809	3900.0	2.550	34.915	243.4	2.211
700.0	10.675	35.557	189.6	10.587	3950.0	2.542	34.914	243.5	2.198
750.0	10.437	35.578	183.8	10.344	4000.0	2.529	34.913	243.5	2.180
800.0	10.217	35.577	182.1	10.119	4050.0	2.520	34.911	243.5	2.166
850.0	10.059	35.637	181.0	9.956	4100.0	2.513	34.910	243.3	2.153
900.0	9.755	35.644	182.4	9.648	4150.0	2.507	34.908	243.2	2.141
950.0	9.537	35.651	184.7	9.425	4200.0	2.500	34.907	243.1	2.129
1000.0	9.138	35.607	188.0	9.022	4250.0	2.496	34.906	243.1	2.119
1050.0	9.354	35.727	187.9	9.231	4300.0	2.496	34.905	243.2	2.113
1100.0	9.748	35.857	185.1	9.615	4350.0	2.496	34.905	242.9	2.106
1150.0	9.262	35.786	191.1	9.127	4400.0	2.494	34.904	243.2	2.099
1200.0	9.283	35.825	192.0	9.142	4450.0	2.493	34.903	243.0	2.092
1250.0	9.002	35.803	196.1	8.857	4500.0	2.494	34.903	243.0	2.087
1300.0	8.945	35.826	197.9	8.794	4550.0	2.494	34.902	243.0	2.081
1350.0	8.348	35.721	204.1	8.197	4600.0	2.497	34.902	243.0	2.077
1400.0	7.911	35.652	208.6	7.758	4650.0	2.500	34.902	242.9	2.074
1450.0	7.472	35.579	214.3	7.318	4700.0	2.501	34.901	242.9	2.069
1500.0	6.678	35.429	223.8	6.527	4750.0	2.504	34.901	243.1	2.066
1550.0	5.970	35.307	233.2	5.822	4800.0	2.506	34.900	243.1	2.062
1600.0	5.416	35.211	240.5	5.270	4850.0	2.510	34.900	243.3	2.059
1650.0	5.059	35.154	245.9	4.912	4900.0	2.514	34.900	243.4	2.056
1700.0	4.959	35.144	247.1	4.808	4950.0	2.518	34.900	243.4	2.054
1750.0	4.678	35.102	251.3	4.526	5000.0	2.522	34.899	243.4	2.052
1800.0	4.488	35.075	253.6	4.333	5050.0	2.525	34.899	243.4	2.049
1850.0	4.504	35.094	252.0	4.344	5100.0	2.531	34.899	243.4	2.048
1900.0	4.317	35.067	254.3	4.154	5150.0	2.537	34.899	243.4	2.047
1950.0	4.114	35.038	256.2	3.949	5200.0	2.542	34.898	243.6	2.045
2000.0	4.015	35.029	256.7	3.847	5250.0	2.547	34.898	243.7	2.044
2050.0	3.909	35.019	257.8	3.738	5300.0	2.553	34.898	243.7	2.043
2100.0	3.846	35.017	257.1	3.671	5350.0	2.559	34.898	243.7	2.042
2150.0	3.764	35.010	257.1	3.585	5400.0	2.566	34.898	243.8	2.042
2200.0	3.693	35.004	256.4	3.510	5442.0	2.572	34.898	243.8	2.043
2250.0	3.612	34.999	256.0	3.426					
2300.0	3.550	34.995	255.5	3.360					
2350.0	3.494	34.993	254.5	3.300					
2400.0	3.429	34.989	254.3	3.231					
2450.0	3.370	34.986	254.1	3.168					
2500.0	3.306	34.982	253.8	3.100					
2550.0	3.257	34.979	253.1	3.047					
2600.0	3.205	34.975	252.5	2.991					
2650.0	3.156	34.973	251.8	2.938					
2700.0	3.100	34.968	251.7	2.878					
2750.0	3.049	34.965	251.0	2.823					
2800.0	3.017	34.962	250.6	2.786					
2850.0	2.966	34.958	249.8	2.732					
2900.0	2.932	34.956	249.3	2.693					
2950.0	2.887	34.952	248.8	2.643					
3000.0	2.855	34.949	248.2	2.607					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 20

Profile	: 21	Cruise	: GEOVIDE (Classic)
Station	: 13	Cast	: 3
Date	: 24/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 5343 m	Organism	: CNRS - IFREMER
Position	: N 41 22.98 W 013 53.26		

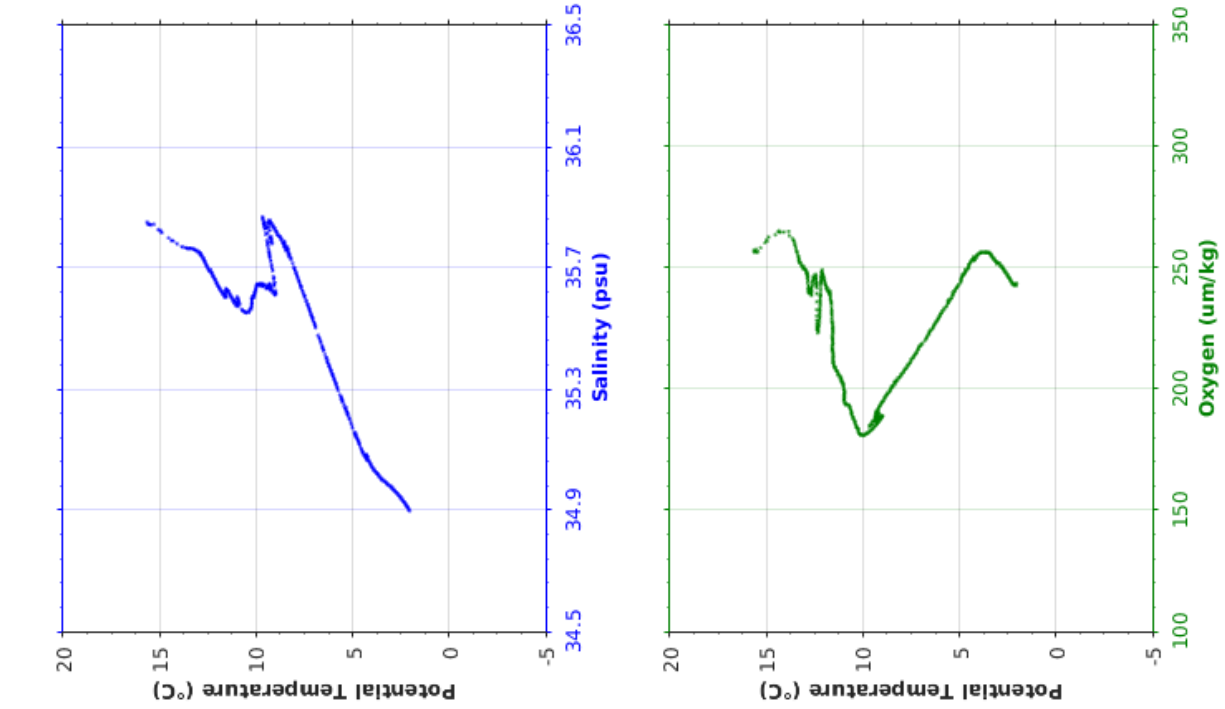
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.492	35.843	256.4	15.492
10.0	15.478	35.843	256.8	15.477
20.0	15.467	35.843	256.3	15.464
30.0	14.732	35.809	262.7	14.727
40.0	13.725	35.772	263.4	13.719
50.0	13.474	35.767	257.5	13.467
100.0	13.001	35.749	247.6	12.987
150.0	12.812	35.734	247.6	12.791
200.0	12.642	35.714	246.9	12.615
202.0	12.640	35.713	247.0	12.613

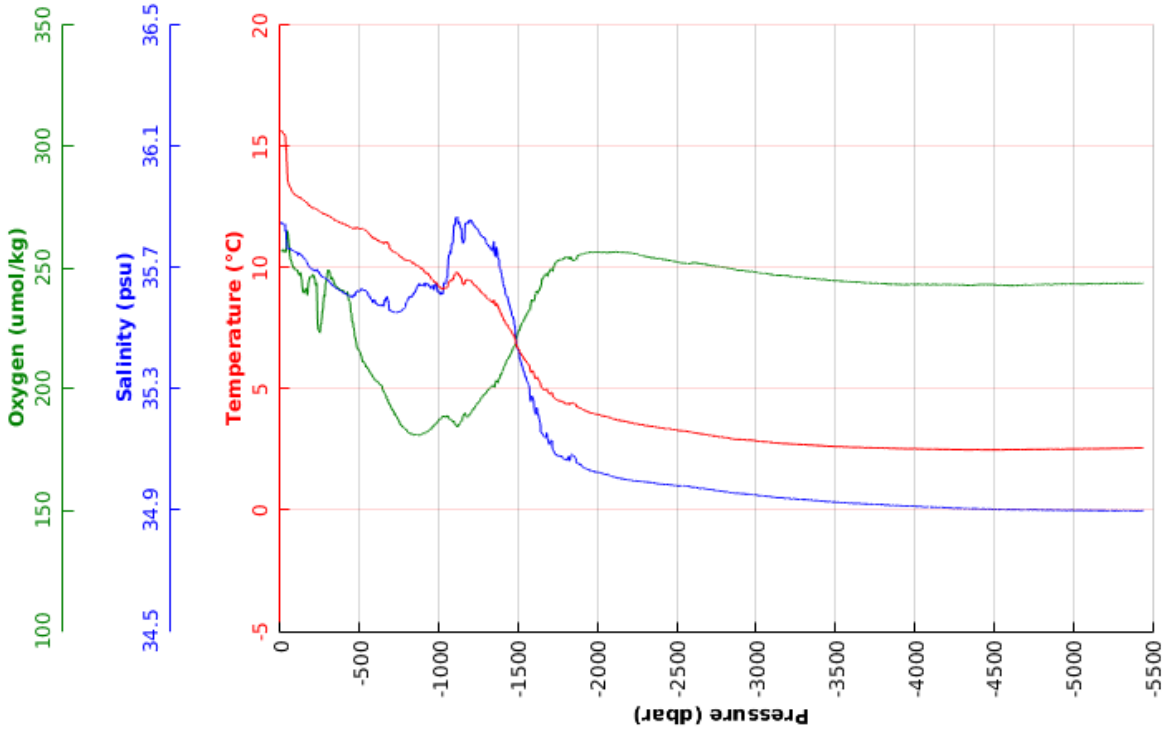

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 21

Profile	: 22	Cruise	: GEOVIDE (Classic)
Station	: 13	Cast	: 5
Date	: 24/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 5343 m	Organism	: CNRS - IFREMER
Position	: N 41 22.97 W 013 53.26		

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.636	35.850	257.3	15.636	3050.0	2.824	34.947	247.7	2.571
10.0	15.654	35.850	257.0	15.653	3100.0	2.794	34.944	247.3	2.537
20.0	15.519	35.843	256.9	15.516	3150.0	2.764	34.941	246.9	2.503
30.0	15.488	35.844	256.4	15.483	3200.0	2.743	34.939	246.7	2.477
40.0	14.399	35.791	264.9	14.393	3250.0	2.723	34.937	246.2	2.452
50.0	13.519	35.764	259.5	13.512	3300.0	2.705	34.935	245.9	2.429
100.0	12.979	35.752	249.2	12.966	3350.0	2.688	34.933	245.6	2.407
150.0	12.771	35.733	240.4	12.751	3400.0	2.664	34.931	245.3	2.379
200.0	12.497	35.697	247.2	12.470	3450.0	2.641	34.928	245.0	2.351
250.0	12.320	35.680	226.3	12.286	3500.0	2.626	34.927	244.6	2.330
300.0	12.169	35.661	249.0	12.129	3550.0	2.615	34.925	244.5	2.314
350.0	11.956	35.634	242.3	11.910	3600.0	2.601	34.923	244.2	2.295
400.0	11.811	35.618	239.7	11.759	3650.0	2.592	34.922	244.1	2.280
450.0	11.671	35.610	227.6	11.613	3700.0	2.581	34.921	243.8	2.265
500.0	11.607	35.622	215.1	11.542	3750.0	2.573	34.919	243.6	2.251
550.0	11.481	35.618	208.2	11.410	3800.0	2.564	34.918	243.5	2.237
600.0	11.206	35.591	203.5	11.129	3850.0	2.553	34.916	243.3	2.221
650.0	11.017	35.574	198.8	10.935	3900.0	2.544	34.915	243.2	2.206
700.0	10.731	35.557	191.8	10.643	3950.0	2.538	34.914	243.2	2.195
750.0	10.484	35.553	186.0	10.392	4000.0	2.534	34.913	243.2	2.184
800.0	10.312	35.588	182.3	10.214	4050.0	2.525	34.912	243.1	2.170
850.0	10.143	35.619	181.1	10.040	4100.0	2.519	34.910	243.2	2.159
900.0	9.909	35.643	181.6	9.800	4150.0	2.514	34.909	243.1	2.148
950.0	9.572	35.632	183.9	9.460	4200.0	2.508	34.908	243.1	2.137
1000.0	9.222	35.618	187.5	9.105	4250.0	2.500	34.907	243.1	2.123
1050.0	9.210	35.666	188.6	9.088	4300.0	2.496	34.906	242.9	2.113
1100.0	9.728	35.842	185.2	9.595	4350.0	2.495	34.905	242.9	2.106
1150.0	9.362	35.788	188.9	9.226	4400.0	2.496	34.904	243.2	2.101
1200.0	9.461	35.855	190.3	9.317	4450.0	2.495	34.904	243.1	2.094
1250.0	9.142	35.825	194.7	8.996	4500.0	2.494	34.903	243.0	2.087
1300.0	8.758	35.783	199.0	8.609	4550.0	2.495	34.903	242.7	2.082
1350.0	8.578	35.761	201.4	8.424	4600.0	2.498	34.902	242.7	2.078
1400.0	8.014	35.671	207.6	7.860	4650.0	2.501	34.902	242.8	2.075
1450.0	7.440	35.571	214.5	7.286	4700.0	2.504	34.901	242.9	2.072
1500.0	6.658	35.430	224.1	6.507	4750.0	2.508	34.901	243.0	2.070
1550.0	6.133	35.337	230.8	5.983	4800.0	2.510	34.901	243.1	2.066
1600.0	5.652	35.257	236.7	5.502	4850.0	2.515	34.901	243.2	2.064
1650.0	5.061	35.157	245.4	4.913	4900.0	2.517	34.900	243.3	2.060
1700.0	4.795	35.118	249.4	4.645	4950.0	2.521	34.900	243.3	2.058
1750.0	4.533	35.081	253.0	4.383	5000.0	2.525	34.899	243.4	2.055
1800.0	4.398	35.066	254.6	4.244	5050.0	2.528	34.899	243.4	2.051
1850.0	4.413	35.080	253.1	4.254	5100.0	2.533	34.899	243.4	2.050
1900.0	4.189	35.048	255.6	4.028	5150.0	2.538	34.899	243.4	2.048
1950.0	4.037	35.032	256.6	3.874	5200.0	2.543	34.899	243.6	2.046
2000.0	3.954	35.026	256.4	3.787	5250.0	2.548	34.898	243.5	2.045
2050.0	3.871	35.019	256.4	3.700	5300.0	2.554	34.898	243.6	2.044
2100.0	3.772	35.011	256.5	3.598	5350.0	2.560	34.898	243.5	2.043
2150.0	3.695	35.004	256.5	3.517	5400.0	2.566	34.898	243.6	2.043
2200.0	3.622	34.999	256.3	3.440	5442.0	2.572	34.898	243.7	2.043
2250.0	3.557	34.996	255.5	3.371					
2300.0	3.500	34.993	254.7	3.310					
2350.0	3.451	34.990	254.1	3.258					
2400.0	3.397	34.986	253.7	3.199					
2450.0	3.358	34.984	253.1	3.156					
2500.0	3.298	34.981	252.4	3.092					
2550.0	3.266	34.981	251.8	3.056					
2600.0	3.203	34.976	252.2	2.989					
2650.0	3.150	34.972	251.7	2.932					
2700.0	3.109	34.969	251.3	2.887					
2750.0	3.049	34.965	250.6	2.823					
2800.0	3.004	34.962	250.1	2.774					
2850.0	2.948	34.957	249.5	2.714					
2900.0	2.920	34.955	249.0	2.681					
2950.0	2.894	34.953	248.6	2.650					
3000.0	2.860	34.950	248.2	2.613					

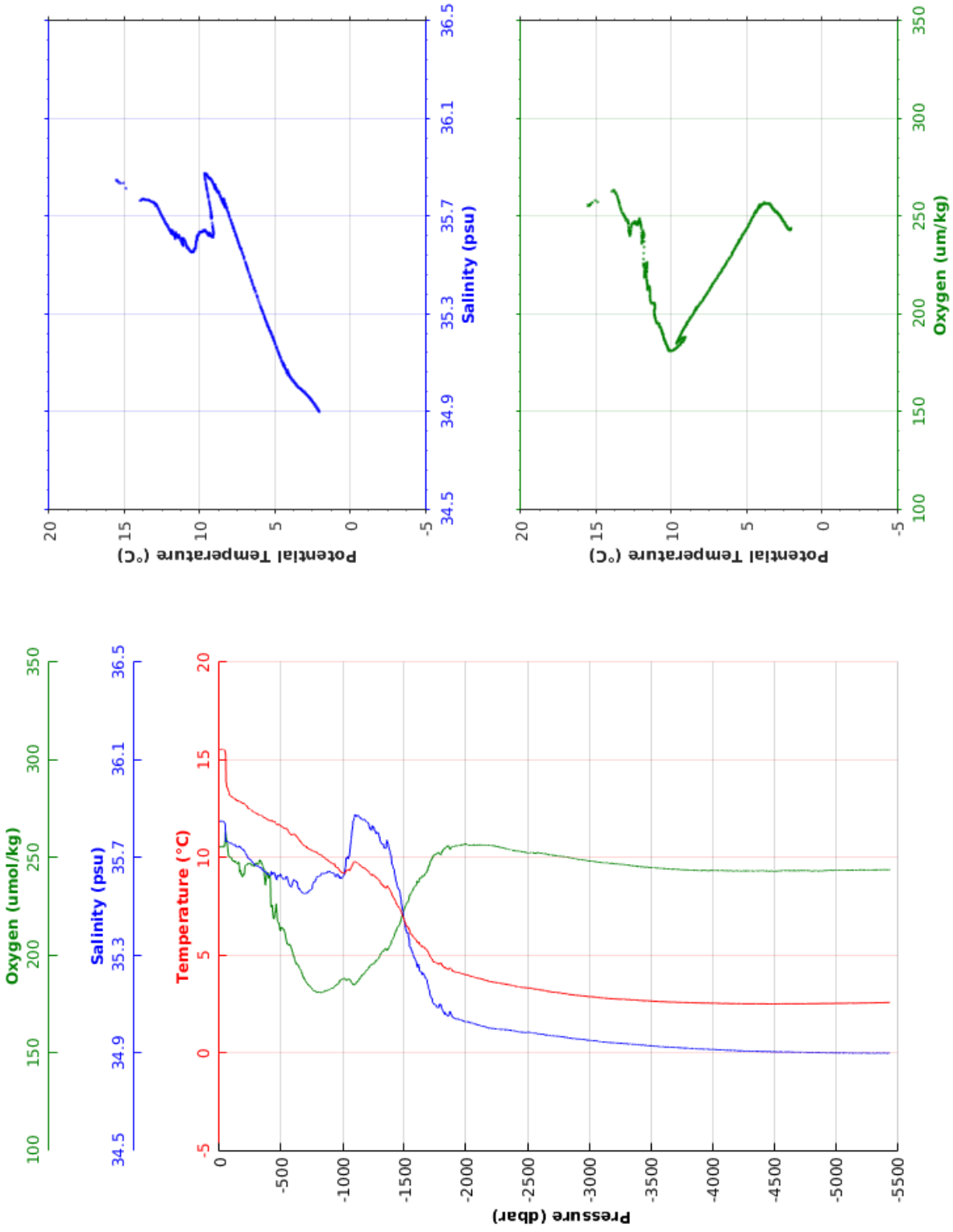

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 22

Profile : 23	Cruise : GEOVIDE (Classic)
Station : 13	Cast : 7
Date : 25/05/2014	Ship : N/O Pourquoi pas ?
Depth : 5344 m	Organism : CNRS - IFREMER
Position : N 41 22.98 W 013 53.26	

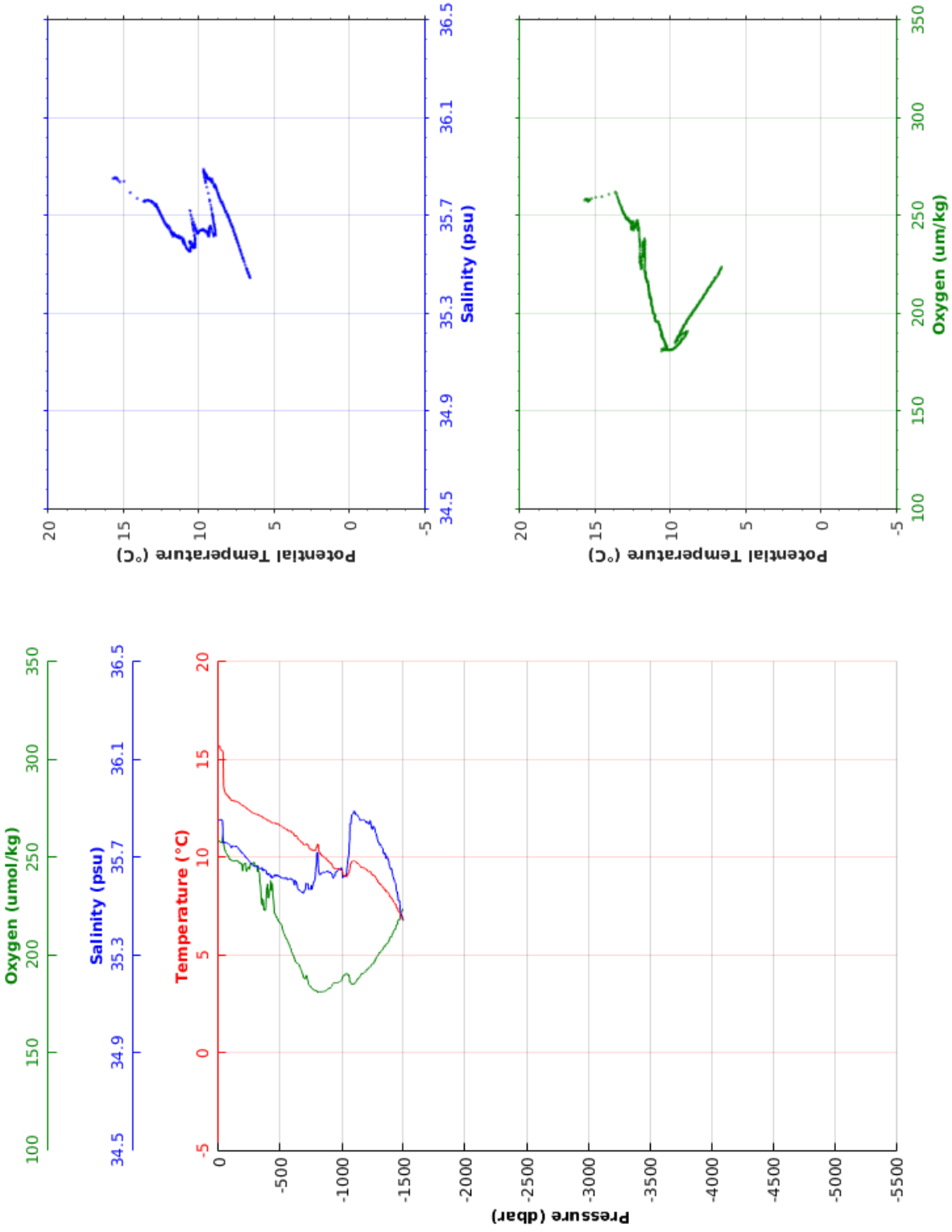
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.535	35.849	255.2	15.535	3050.0	2.846	34.948	247.9	2.593
10.0	15.540	35.849	255.6	15.539	3100.0	2.809	34.945	247.4	2.552
20.0	15.540	35.849	255.5	15.537	3150.0	2.782	34.942	247.2	2.521
30.0	15.534	35.848	255.5	15.529	3200.0	2.755	34.940	246.8	2.489
40.0	15.499	35.847	255.8	15.492	3250.0	2.742	34.938	246.5	2.470
50.0	15.256	35.834	257.0	15.249	3300.0	2.724	34.936	246.3	2.447
100.0	13.111	35.757	249.9	13.097	3350.0	2.705	34.935	245.8	2.424
150.0	12.896	35.742	246.7	12.876	3400.0	2.681	34.932	245.3	2.395
200.0	12.744	35.729	241.6	12.716	3450.0	2.665	34.931	245.2	2.374
250.0	12.469	35.694	246.9	12.436	3500.0	2.645	34.928	244.8	2.349
300.0	12.257	35.668	246.4	12.216	3550.0	2.623	34.926	244.6	2.322
350.0	12.100	35.650	246.8	12.053	3600.0	2.611	34.924	244.4	2.304
400.0	11.917	35.630	241.3	11.864	3650.0	2.592	34.922	244.2	2.281
450.0	11.829	35.636	218.7	11.770	3700.0	2.587	34.921	244.0	2.270
500.0	11.654	35.633	212.3	11.588	3750.0	2.573	34.919	243.7	2.251
550.0	11.473	35.623	207.1	11.401	3800.0	2.566	34.918	243.7	2.238
600.0	11.214	35.602	201.5	11.138	3850.0	2.555	34.917	243.5	2.222
650.0	10.880	35.569	194.5	10.799	3900.0	2.549	34.915	243.4	2.210
700.0	10.577	35.553	187.2	10.490	3950.0	2.543	34.914	243.3	2.199
750.0	10.373	35.569	183.4	10.281	4000.0	2.537	34.913	243.4	2.188
800.0	10.204	35.621	181.1	10.106	4050.0	2.525	34.912	243.2	2.170
850.0	10.013	35.634	181.2	9.911	4100.0	2.519	34.910	243.2	2.159
900.0	9.776	35.643	182.4	9.668	4150.0	2.513	34.909	243.1	2.147
950.0	9.489	35.621	184.6	9.377	4200.0	2.509	34.908	243.1	2.138
1000.0	9.213	35.620	187.5	9.097	4250.0	2.503	34.907	243.0	2.125
1050.0	9.311	35.695	187.7	9.188	4300.0	2.501	34.906	243.1	2.118
1100.0	9.785	35.869	184.9	9.652	4350.0	2.500	34.906	243.1	2.111
1150.0	9.560	35.861	188.6	9.422	4400.0	2.498	34.905	243.2	2.103
1200.0	9.329	35.845	192.1	9.187	4450.0	2.497	34.904	242.9	2.096
1250.0	9.091	35.823	195.5	8.945	4500.0	2.497	34.903	243.0	2.090
1300.0	8.793	35.783	198.7	8.644	4550.0	2.498	34.903	243.1	2.085
1350.0	8.451	35.739	203.0	8.299	4600.0	2.499	34.902	243.2	2.079
1400.0	8.084	35.684	206.5	7.929	4650.0	2.502	34.902	243.2	2.076
1450.0	7.483	35.577	214.1	7.329	4700.0	2.503	34.901	243.3	2.071
1500.0	6.774	35.450	222.5	6.622	4750.0	2.505	34.901	243.3	2.067
1550.0	6.107	35.332	230.9	5.957	4800.0	2.508	34.901	243.1	2.064
1600.0	5.754	35.273	235.7	5.603	4850.0	2.513	34.900	243.1	2.062
1650.0	5.413	35.223	240.5	5.261	4900.0	2.516	34.900	243.2	2.059
1700.0	5.041	35.163	244.9	4.888	4950.0	2.520	34.900	243.4	2.057
1750.0	4.630	35.097	251.4	4.478	5000.0	2.523	34.899	243.5	2.053
1800.0	4.579	35.097	251.5	4.423	5050.0	2.527	34.899	243.4	2.050
1850.0	4.276	35.051	255.5	4.119	5100.0	2.532	34.899	243.5	2.048
1900.0	4.165	35.043	255.7	4.005	5150.0	2.536	34.899	243.4	2.046
1950.0	4.088	35.036	256.1	3.924	5200.0	2.540	34.898	243.7	2.044
2000.0	3.986	35.027	257.0	3.818	5250.0	2.546	34.898	243.6	2.042
2050.0	3.901	35.021	256.3	3.730	5300.0	2.552	34.898	243.6	2.042
2100.0	3.804	35.013	256.4	3.630	5350.0	2.559	34.898	243.7	2.042
2150.0	3.729	35.007	256.4	3.551	5400.0	2.566	34.898	243.8	2.042
2200.0	3.637	35.000	256.2	3.455	5442.0	2.572	34.898	243.7	2.043
2250.0	3.584	34.997	255.8	3.399					
2300.0	3.534	34.995	255.1	3.344					
2350.0	3.479	34.993	254.2	3.285					
2400.0	3.415	34.989	253.5	3.217					
2450.0	3.351	34.984	253.0	3.150					
2500.0	3.318	34.983	252.5	3.112					
2550.0	3.268	34.980	252.4	3.058					
2600.0	3.217	34.977	252.3	3.003					
2650.0	3.161	34.973	251.9	2.943					
2700.0	3.110	34.969	251.3	2.888					
2750.0	3.077	34.967	250.7	2.851					
2800.0	3.033	34.964	250.4	2.802					
2850.0	2.977	34.959	249.8	2.742					
2900.0	2.944	34.957	249.4	2.705					
2950.0	2.907	34.954	248.7	2.664					
3000.0	2.869	34.951	248.3	2.621					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 23

Profile	: 24	Cruise	: GEOVIDE (Classic)
Station	: 13	Cast	: 9
Date	: 25/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 5345 m	Organism	: CNRS - IFREMER
Position	: N 41 22.97 W 013 53.26		

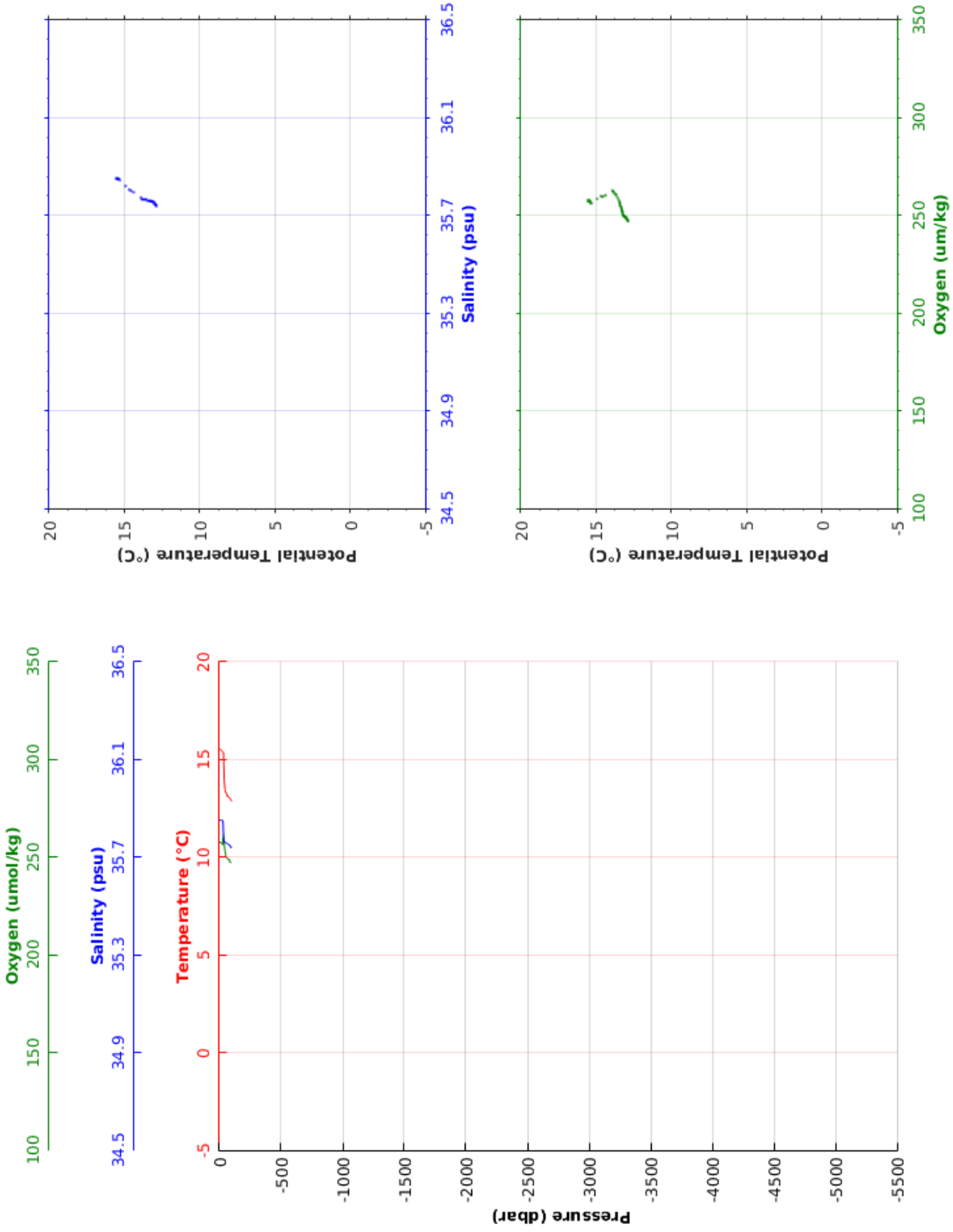
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.698	35.851	257.8	15.698
10.0	15.644	35.851	258.2	15.642
20.0	15.492	35.854	257.9	15.489
30.0	15.455	35.853	257.5	15.450
40.0	13.671	35.758	261.9	13.665
50.0	13.371	35.763	256.0	13.364
100.0	12.962	35.747	248.6	12.948
150.0	12.846	35.744	248.4	12.825
200.0	12.632	35.716	243.1	12.605
250.0	12.394	35.684	244.9	12.360
300.0	12.204	35.662	246.2	12.164
350.0	12.074	35.653	230.7	12.027
400.0	11.886	35.631	234.5	11.833
450.0	11.747	35.622	228.7	11.688
500.0	11.625	35.620	216.7	11.560
550.0	11.436	35.612	209.0	11.365
600.0	11.244	35.610	201.1	11.167
650.0	10.906	35.569	195.5	10.825
700.0	10.623	35.564	188.1	10.536
750.0	10.389	35.569	184.0	10.296
800.0	10.614	35.703	181.6	10.514
850.0	10.037	35.638	181.1	9.934
900.0	9.724	35.637	182.9	9.617
950.0	9.427	35.632	185.6	9.316
1000.0	9.338	35.657	186.6	9.221
1050.0	9.138	35.675	189.8	9.017
1100.0	9.808	35.885	185.0	9.675
1150.0	9.548	35.854	188.6	9.411
1200.0	9.357	35.842	191.7	9.215
1250.0	9.082	35.814	195.3	8.936
1300.0	8.695	35.762	200.1	8.546
1350.0	8.330	35.713	204.4	8.179
1400.0	7.914	35.651	209.1	7.761
1450.0	7.390	35.558	215.5	7.237
1500.0	6.766	35.451	223.1	6.614
1502.0	6.737	35.446	223.7	6.585


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 24

Profile	: 25	Cruise	: GEOVIDE (Classic)
Station	: 13	Cast	: 11
Date	: 25/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 5346 m	Organism	: CNRS - IFREMER
Position	: N 41 22.97 W 013 53.26		

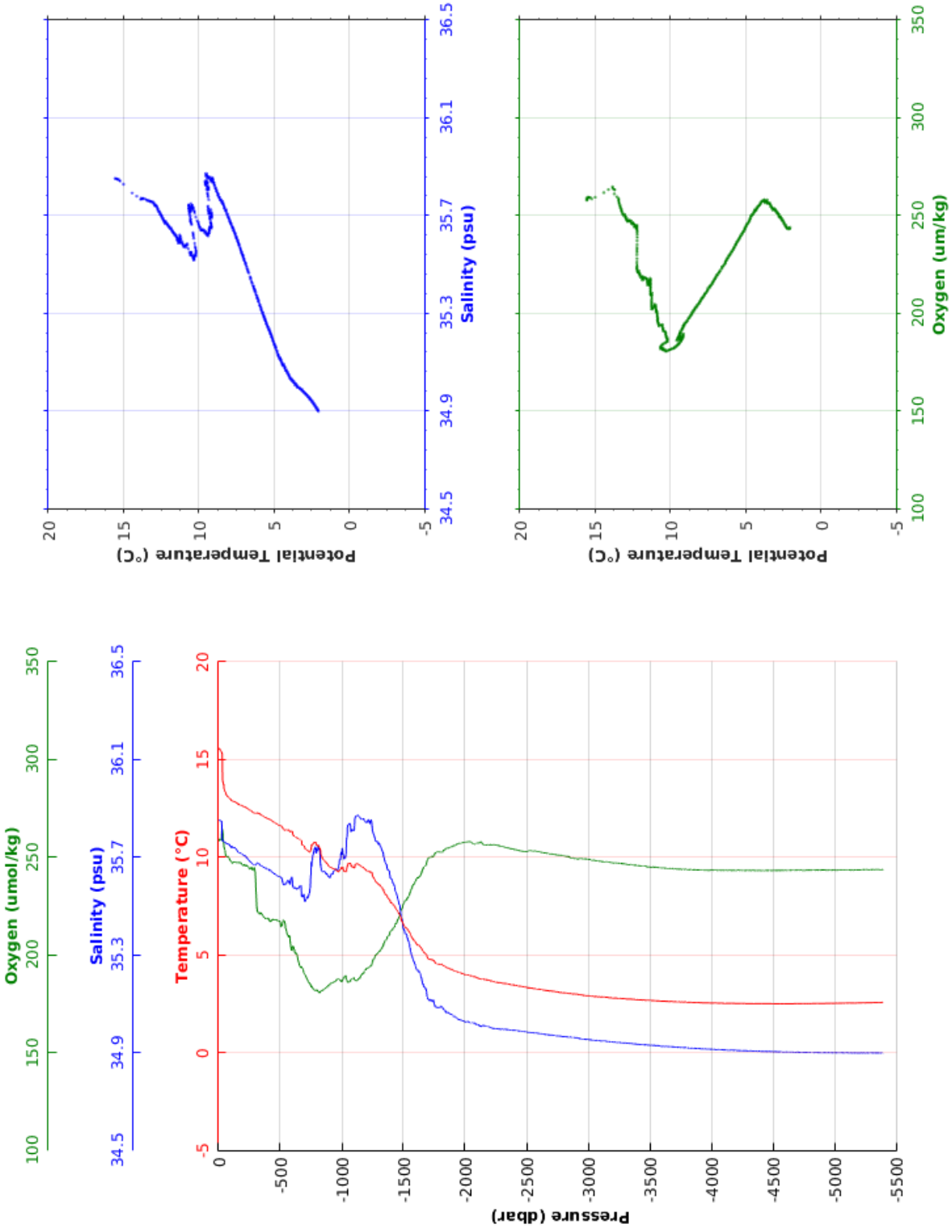
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.525	35.852	257.9	15.525
10.0	15.498	35.851	257.8	15.497
20.0	15.448	35.851	257.0	15.444
30.0	15.397	35.849	257.0	15.392
40.0	13.805	35.765	261.5	13.799
50.0	13.325	35.759	253.8	13.318
100.0	12.886	35.741	247.1	12.872
102.0	12.884	35.742	247.2	12.870


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 25

Profile : 26	Cruise : GEOVIDE (Classic)
Station : 13	Cast : 13
Date : 25/05/2014	Ship : N/O Pourquoi pas ?
Depth : 5347 m	Organism : CNRS - IFREMER
Position : N 41 22.97 W 013 53.25	

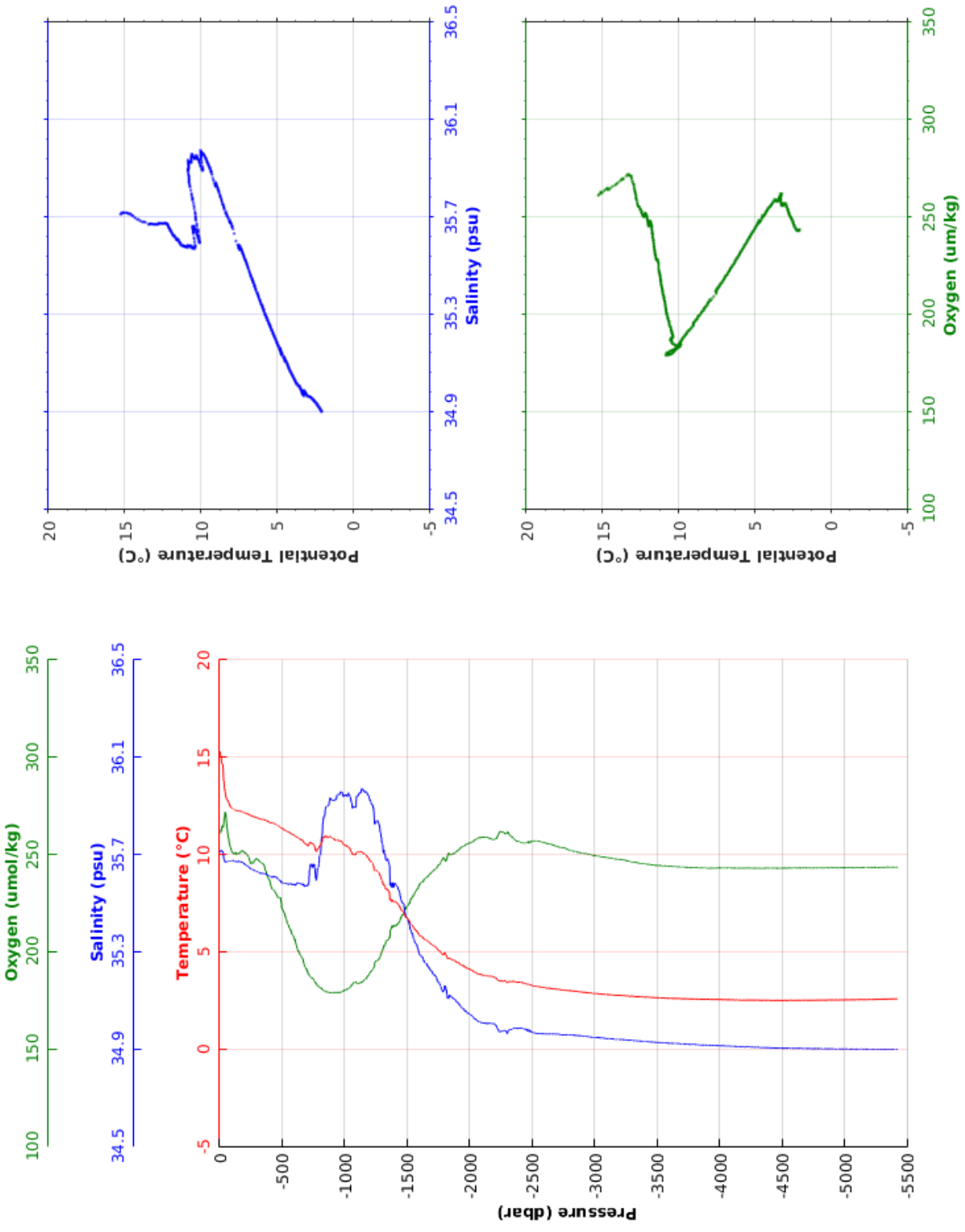
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.540	35.851	257.9	15.540	3050.0	2.871	34.950	248.4	2.618
10.0	15.547	35.851	258.7	15.545	3100.0	2.849	34.948	247.9	2.591
20.0	15.429	35.849	259.2	15.426	3150.0	2.828	34.946	247.6	2.565
30.0	15.005	35.828	259.3	15.001	3200.0	2.793	34.943	247.2	2.525
40.0	13.711	35.769	263.2	13.705	3250.0	2.774	34.941	246.9	2.502
50.0	13.365	35.761	255.4	13.358	3300.0	2.752	34.939	246.6	2.475
100.0	12.942	35.745	248.4	12.928	3350.0	2.729	34.937	246.2	2.447
150.0	12.776	35.732	247.5	12.756	3400.0	2.703	34.934	245.8	2.416
200.0	12.611	35.710	245.9	12.584	3450.0	2.683	34.932	245.5	2.392
250.0	12.428	35.689	245.1	12.394	3500.0	2.668	34.930	245.0	2.371
300.0	12.256	35.668	243.6	12.216	3550.0	2.650	34.928	244.9	2.348
350.0	12.154	35.665	221.6	12.107	3600.0	2.629	34.926	244.5	2.322
400.0	11.983	35.651	218.8	11.930	3650.0	2.617	34.924	244.3	2.306
450.0	11.789	35.635	218.0	11.730	3700.0	2.604	34.923	244.0	2.286
500.0	11.631	35.620	217.4	11.566	3750.0	2.587	34.921	243.9	2.265
550.0	11.398	35.597	213.6	11.327	3800.0	2.578	34.919	243.8	2.250
600.0	11.294	35.612	202.1	11.216	3850.0	2.565	34.918	243.6	2.232
650.0	10.928	35.571	197.7	10.846	3900.0	2.558	34.916	243.5	2.219
700.0	10.464	35.528	190.5	10.378	3950.0	2.543	34.915	243.3	2.199
750.0	10.442	35.616	184.6	10.350	4000.0	2.537	34.913	243.4	2.188
800.0	10.608	35.724	182.0	10.508	4050.0	2.530	34.912	243.4	2.175
850.0	9.903	35.641	181.9	9.801	4100.0	2.522	34.911	243.3	2.162
900.0	9.520	35.620	184.5	9.415	4150.0	2.519	34.910	243.3	2.153
950.0	9.378	35.653	186.2	9.267	4200.0	2.514	34.909	243.3	2.142
1000.0	9.486	35.722	186.2	9.368	4250.0	2.509	34.908	243.3	2.131
1050.0	9.665	35.826	186.3	9.539	4300.0	2.505	34.907	243.3	2.122
1100.0	9.466	35.807	188.2	9.335	4350.0	2.501	34.906	243.3	2.112
1150.0	9.584	35.864	188.1	9.446	4400.0	2.500	34.905	243.2	2.105
1200.0	9.312	35.842	192.5	9.171	4450.0	2.500	34.904	243.2	2.099
1250.0	9.081	35.822	195.6	8.935	4500.0	2.496	34.903	243.2	2.089
1300.0	8.600	35.753	201.2	8.452	4550.0	2.496	34.903	243.3	2.083
1350.0	8.147	35.689	206.3	7.998	4600.0	2.496	34.902	243.2	2.076
1400.0	7.661	35.613	212.0	7.510	4650.0	2.496	34.901	243.3	2.071
1450.0	7.290	35.547	216.4	7.137	4700.0	2.499	34.901	243.4	2.067
1500.0	6.510	35.409	225.4	6.361	4750.0	2.502	34.901	243.3	2.064
1550.0	6.160	35.347	230.3	6.010	4800.0	2.505	34.900	243.4	2.060
1600.0	5.626	35.254	237.4	5.476	4850.0	2.509	34.900	243.4	2.058
1650.0	5.317	35.206	241.6	5.166	4900.0	2.513	34.900	243.4	2.056
1700.0	4.822	35.121	248.7	4.672	4950.0	2.517	34.899	243.4	2.053
1750.0	4.677	35.105	250.5	4.525	5000.0	2.522	34.899	243.4	2.052
1800.0	4.513	35.085	252.8	4.358	5050.0	2.526	34.899	243.5	2.050
1850.0	4.337	35.063	254.6	4.179	5100.0	2.531	34.899	243.4	2.048
1900.0	4.247	35.055	255.4	4.086	5150.0	2.536	34.899	243.4	2.046
1950.0	4.093	35.035	257.1	3.929	5200.0	2.541	34.898	243.6	2.045
2000.0	3.988	35.026	257.7	3.820	5250.0	2.548	34.898	243.6	2.045
2050.0	3.922	35.022	257.8	3.751	5300.0	2.554	34.898	243.7	2.044
2100.0	3.825	35.015	257.3	3.650	5350.0	2.560	34.898	243.7	2.043
2150.0	3.757	35.011	256.7	3.578	5395.0	2.567	34.898	243.8	2.044
2200.0	3.692	35.005	256.3	3.509					
2250.0	3.604	34.997	256.3	3.418					
2300.0	3.556	34.995	255.6	3.366					
2350.0	3.506	34.994	254.8	3.312					
2400.0	3.451	34.991	254.1	3.253					
2450.0	3.394	34.988	253.4	3.191					
2500.0	3.337	34.985	252.8	3.131					
2550.0	3.287	34.981	253.1	3.076					
2600.0	3.243	34.978	252.8	3.028					
2650.0	3.186	34.974	252.2	2.968					
2700.0	3.147	34.972	251.7	2.924					
2750.0	3.104	34.969	251.2	2.877					
2800.0	3.056	34.965	250.7	2.825					
2850.0	3.018	34.963	250.1	2.783					
2900.0	2.994	34.961	249.2	2.754					
2950.0	2.942	34.956	249.3	2.698					
3000.0	2.904	34.953	249.0	2.655					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 26

Profile	: 27	Cruise	: GEOVIDE (Classic)
Station	: 14	Cast	: 1
Date	: 27/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 5329 m	Organism	: CNRS - IFREMER
Position	: N 41 58.96 W 014 40.35		

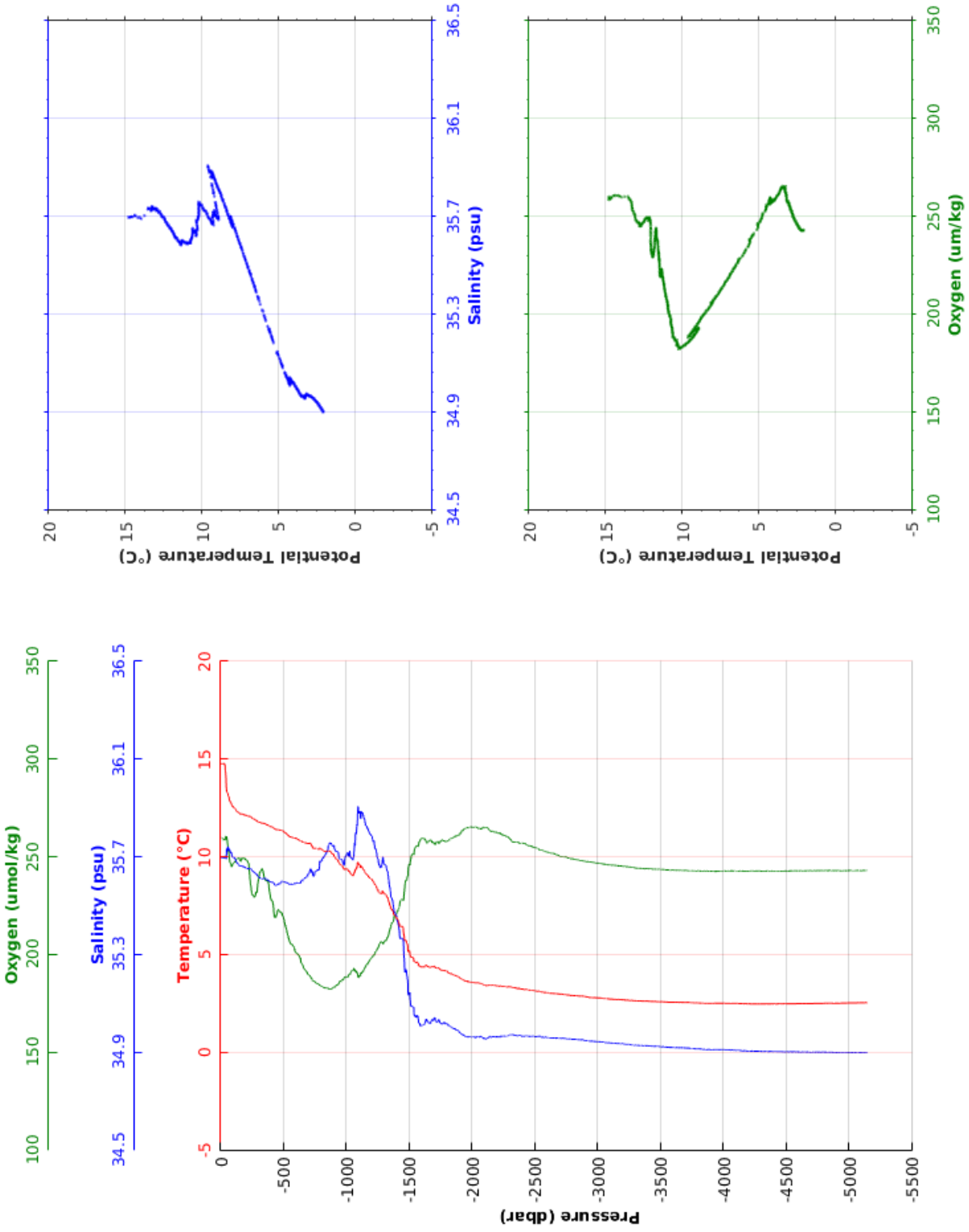
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.273	35.711	261.1	15.273	3050.0	2.824	34.945	248.9	2.572
10.0	15.076	35.719	262.4	15.075	3100.0	2.797	34.943	248.4	2.540
20.0	14.668	35.713	264.8	14.665	3150.0	2.775	34.941	248.0	2.514
30.0	14.075	35.688	267.0	14.071	3200.0	2.754	34.939	247.5	2.488
40.0	13.338	35.671	271.7	13.332	3250.0	2.737	34.937	246.9	2.465
50.0	12.974	35.669	266.8	12.967	3300.0	2.712	34.935	246.2	2.436
100.0	12.363	35.675	250.8	12.349	3350.0	2.690	34.933	245.6	2.409
150.0	12.244	35.671	250.6	12.224	3400.0	2.671	34.931	245.2	2.385
200.0	12.140	35.659	251.0	12.114	3450.0	2.647	34.929	244.7	2.356
250.0	12.004	35.641	245.3	11.972	3500.0	2.636	34.927	244.4	2.340
300.0	11.887	35.629	247.4	11.848	3550.0	2.624	34.926	244.2	2.322
350.0	11.803	35.622	244.6	11.758	3600.0	2.607	34.924	243.9	2.301
400.0	11.673	35.611	235.7	11.621	3650.0	2.598	34.923	243.8	2.287
450.0	11.569	35.607	229.6	11.511	3700.0	2.584	34.921	243.6	2.267
500.0	11.336	35.584	221.7	11.272	3750.0	2.572	34.919	243.4	2.250
550.0	11.152	35.577	213.0	11.082	3800.0	2.567	34.918	243.2	2.239
600.0	10.972	35.575	205.8	10.896	3850.0	2.552	34.916	243.1	2.220
650.0	10.764	35.579	197.4	10.683	3900.0	2.554	34.916	243.0	2.215
700.0	10.498	35.571	189.7	10.411	3950.0	2.546	34.915	242.9	2.202
750.0	10.538	35.662	185.5	10.445	4000.0	2.541	34.914	243.1	2.192
800.0	10.442	35.696	181.5	10.343	4050.0	2.535	34.912	243.2	2.180
850.0	10.937	35.898	179.4	10.829	4100.0	2.529	34.911	243.0	2.168
900.0	10.839	35.923	178.9	10.725	4150.0	2.517	34.910	243.0	2.151
950.0	10.735	35.948	179.1	10.614	4200.0	2.513	34.909	242.9	2.141
1000.0	10.504	35.944	180.2	10.378	4250.0	2.512	34.908	242.9	2.135
1050.0	10.184	35.918	182.5	10.054	4300.0	2.509	34.907	242.9	2.125
1100.0	10.113	35.939	183.8	9.978	4350.0	2.503	34.906	243.0	2.114
1150.0	10.070	35.965	185.2	9.928	4400.0	2.499	34.905	243.0	2.104
1200.0	9.706	35.925	189.2	9.561	4450.0	2.499	34.904	243.0	2.098
1250.0	9.159	35.836	195.3	9.012	4500.0	2.498	34.903	243.0	2.091
1300.0	8.639	35.742	201.0	8.491	4550.0	2.499	34.903	243.0	2.085
1350.0	8.135	35.670	206.6	7.985	4600.0	2.502	34.903	243.1	2.082
1400.0	7.593	35.581	213.1	7.444	4650.0	2.504	34.902	243.0	2.078
1450.0	7.177	35.515	217.8	7.026	4700.0	2.505	34.902	243.1	2.073
1500.0	6.739	35.439	223.5	6.588	4750.0	2.507	34.901	243.1	2.069
1550.0	6.251	35.354	229.4	6.100	4800.0	2.511	34.901	243.2	2.067
1600.0	5.840	35.287	234.9	5.688	4850.0	2.514	34.900	243.2	2.063
1650.0	5.606	35.252	238.2	5.452	4900.0	2.518	34.900	243.2	2.060
1700.0	5.361	35.215	241.1	5.204	4950.0	2.521	34.900	243.2	2.058
1750.0	5.086	35.173	244.8	4.928	5000.0	2.524	34.900	243.2	2.054
1800.0	4.942	35.160	247.0	4.781	5050.0	2.528	34.899	243.2	2.052
1850.0	4.622	35.115	249.9	4.461	5100.0	2.533	34.899	243.3	2.050
1900.0	4.455	35.091	252.0	4.291	5150.0	2.538	34.899	243.2	2.048
1950.0	4.292	35.066	254.1	4.125	5200.0	2.544	34.899	243.3	2.047
2000.0	4.110	35.044	255.9	3.940	5250.0	2.550	34.899	243.4	2.047
2050.0	3.928	35.022	257.7	3.757	5300.0	2.557	34.899	243.4	2.047
2100.0	3.797	35.007	258.9	3.622	5350.0	2.564	34.899	243.5	2.047
2150.0	3.753	35.007	258.4	3.574	5400.0	2.571	34.898	243.5	2.047
2200.0	3.679	35.001	257.9	3.496	5426.0	2.574	34.898	243.4	2.047
2250.0	3.495	34.973	261.6	3.311					
2300.0	3.403	34.962	261.8	3.215					
2350.0	3.466	34.984	258.1	3.272					
2400.0	3.436	34.986	256.4	3.238					
2450.0	3.371	34.981	255.8	3.169					
2500.0	3.262	34.969	256.9	3.057					
2550.0	3.196	34.963	257.0	2.987					
2600.0	3.151	34.962	256.2	2.938					
2650.0	3.112	34.962	255.1	2.894					
2700.0	3.076	34.961	254.2	2.855					
2750.0	3.026	34.958	253.3	2.800					
2800.0	2.996	34.958	252.3	2.766					
2850.0	2.966	34.956	251.4	2.732					
2900.0	2.928	34.954	250.7	2.689					
2950.0	2.889	34.951	250.1	2.646					
3000.0	2.853	34.948	249.5	2.605					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 27

Profile	: 28	Cruise	: GEOVIDE (Classic)
Station	: 15	Cast	: 1
Date	: 28/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 5062 m	Organism	: CNRS - IFREMER
Position	: N 42 34.87 W 015 27.66		

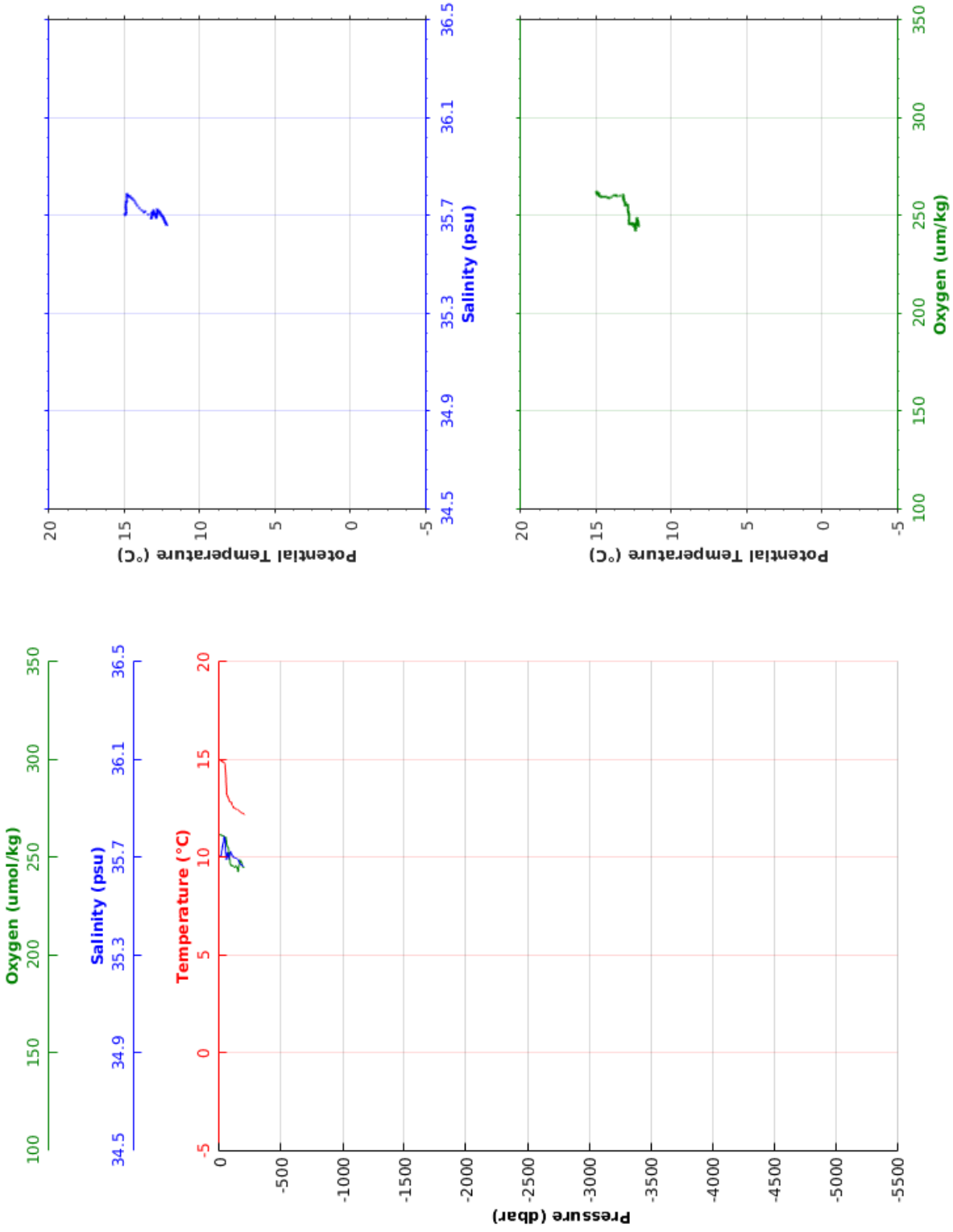
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.767	35.696	259.9	14.767	3050.0	2.748	34.941	246.2	2.498
10.0	14.771	35.695	259.5	14.770	3100.0	2.716	34.938	245.9	2.461
20.0	14.774	35.696	258.5	14.771	3150.0	2.700	34.936	245.5	2.441
30.0	14.767	35.696	258.5	14.763	3200.0	2.681	34.934	245.3	2.417
40.0	14.179	35.694	260.5	14.174	3250.0	2.657	34.931	244.8	2.387
50.0	13.291	35.723	256.7	13.284	3300.0	2.626	34.928	244.3	2.352
100.0	12.536	35.696	246.9	12.523	3350.0	2.613	34.927	244.0	2.334
150.0	12.214	35.663	248.1	12.194	3400.0	2.609	34.926	243.8	2.325
200.0	12.126	35.655	248.5	12.100	3450.0	2.597	34.924	243.7	2.308
250.0	11.991	35.643	230.4	11.959	3500.0	2.583	34.923	243.6	2.288
300.0	11.790	35.617	239.6	11.751	3550.0	2.566	34.920	243.3	2.266
350.0	11.700	35.612	238.4	11.655	3600.0	2.556	34.919	243.2	2.251
400.0	11.534	35.596	227.8	11.482	3650.0	2.548	34.918	243.1	2.238
450.0	11.383	35.587	222.6	11.325	3700.0	2.546	34.917	243.0	2.230
500.0	11.302	35.599	217.7	11.238	3750.0	2.526	34.915	242.8	2.206
550.0	11.015	35.587	205.7	10.946	3800.0	2.518	34.914	242.8	2.192
600.0	10.939	35.592	200.7	10.864	3850.0	2.496	34.911	242.7	2.165
650.0	10.779	35.604	194.1	10.698	3900.0	2.496	34.910	242.6	2.159
700.0	10.687	35.632	189.3	10.600	3950.0	2.501	34.910	242.5	2.158
750.0	10.428	35.639	185.6	10.336	4000.0	2.500	34.910	242.8	2.152
800.0	10.397	35.683	183.8	10.298	4050.0	2.499	34.909	242.8	2.145
850.0	10.287	35.727	182.6	10.183	4100.0	2.492	34.908	242.7	2.132
900.0	10.124	35.746	182.9	10.014	4150.0	2.484	34.906	242.7	2.118
950.0	9.619	35.691	186.1	9.506	4200.0	2.475	34.905	242.7	2.104
1000.0	9.371	35.710	188.6	9.254	4250.0	2.471	34.904	242.7	2.095
1050.0	9.062	35.690	192.1	8.941	4300.0	2.471	34.903	242.6	2.088
1100.0	9.602	35.880	188.9	9.471	4350.0	2.471	34.903	242.7	2.083
1150.0	9.185	35.835	193.9	9.051	4400.0	2.473	34.902	242.6	2.078
1200.0	8.858	35.785	198.4	8.720	4450.0	2.475	34.902	242.6	2.074
1250.0	8.330	35.692	203.5	8.191	4500.0	2.478	34.901	242.7	2.071
1300.0	8.108	35.669	206.7	7.965	4550.0	2.481	34.901	242.8	2.068
1350.0	7.495	35.559	213.7	7.353	4600.0	2.484	34.901	242.9	2.065
1400.0	6.868	35.445	221.6	6.726	4650.0	2.487	34.900	242.8	2.062
1450.0	6.430	35.364	227.8	6.288	4700.0	2.490	34.900	242.9	2.058
1500.0	5.165	35.138	246.3	5.031	4750.0	2.494	34.900	242.9	2.056
1550.0	4.626	35.049	254.8	4.494	4800.0	2.498	34.900	243.0	2.054
1600.0	4.364	35.009	259.5	4.230	4850.0	2.502	34.899	243.0	2.051
1650.0	4.384	35.024	257.7	4.245	4900.0	2.503	34.899	242.9	2.046
1700.0	4.401	35.040	256.6	4.257	4950.0	2.510	34.899	242.9	2.047
1750.0	4.216	35.018	258.1	4.070	5000.0	2.516	34.898	243.0	2.046
1800.0	4.144	35.017	258.0	3.993	5050.0	2.522	34.898	242.9	2.046
1850.0	3.958	34.997	260.1	3.806	5100.0	2.529	34.898	242.9	2.046
1900.0	3.810	34.981	261.7	3.655	5149.0	2.535	34.898	243.0	2.046
1950.0	3.646	34.964	264.7	3.489					
2000.0	3.575	34.962	265.1	3.414					
2050.0	3.541	34.963	264.5	3.376					
2100.0	3.440	34.955	264.9	3.271					
2150.0	3.418	34.960	263.0	3.244					
2200.0	3.405	34.964	262.3	3.228					
2250.0	3.368	34.965	261.0	3.186					
2300.0	3.353	34.970	259.1	3.166					
2350.0	3.278	34.968	257.7	3.088					
2400.0	3.223	34.965	257.1	3.028					
2450.0	3.182	34.965	255.7	2.983					
2500.0	3.144	34.965	254.7	2.942					
2550.0	3.095	34.963	253.2	2.888					
2600.0	3.037	34.960	252.4	2.826					
2650.0	3.011	34.958	251.7	2.795					
2700.0	2.975	34.958	250.3	2.755					
2750.0	2.934	34.955	250.0	2.711					
2800.0	2.897	34.953	248.9	2.669					
2850.0	2.875	34.951	248.3	2.642					
2900.0	2.846	34.949	247.7	2.609					
2950.0	2.799	34.945	247.3	2.558					
3000.0	2.778	34.943	246.7	2.532					


Potential Temperature (°C)
Salinity (psu)
Oxygen (um/kg)
Oxygen (umol/kg)
Temperature (°C)
Pressure (dbar)

Profile : 28

Profile	: 29	Cruise	: GEOVIDE (Classic)
Station	: 15	Cast	: 3
Date	: 28/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4970 m	Organism	: CNRS - IFREMER
Position	: N 42 34.87 W 015 27.67		

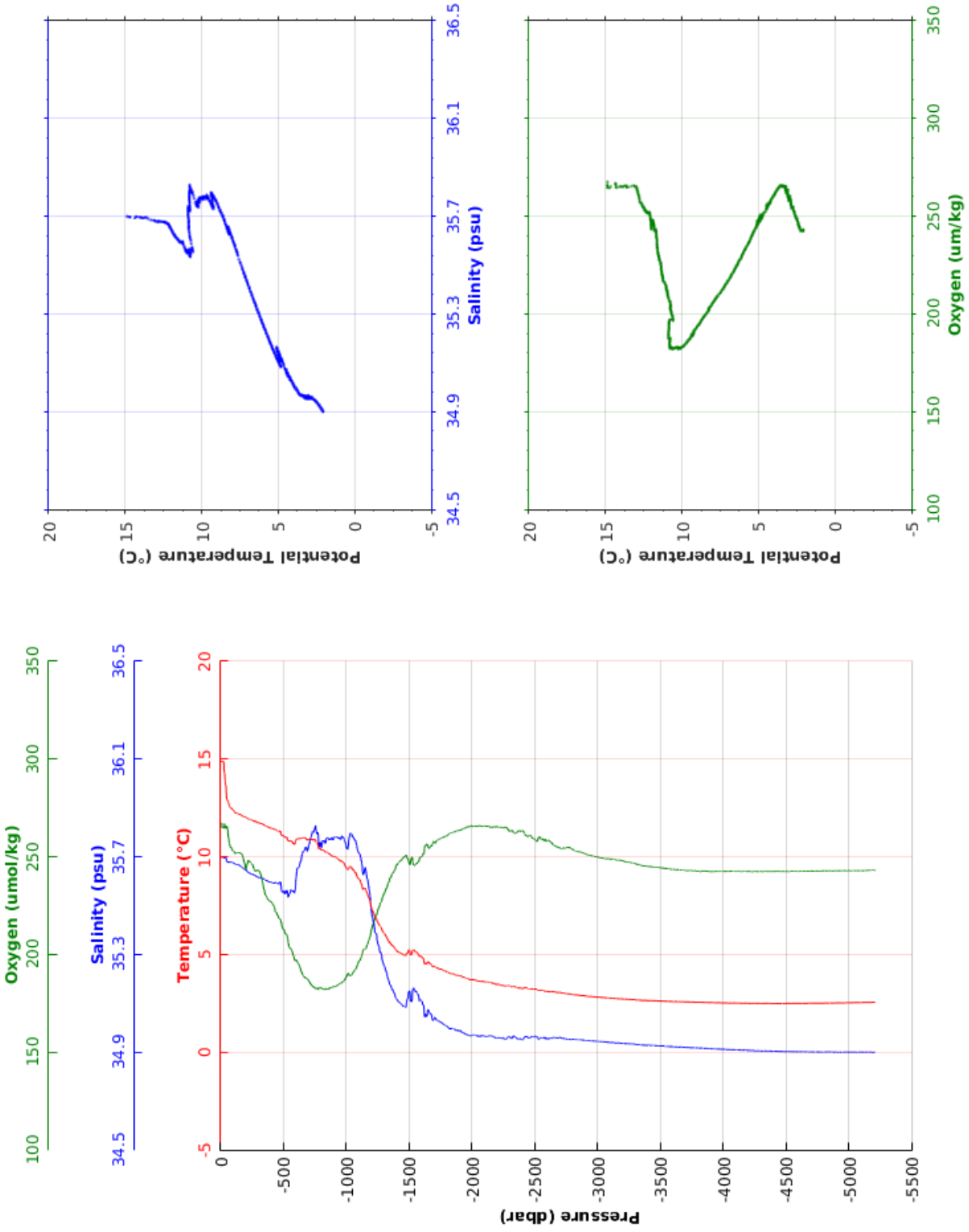
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.965	35.704	262.1	14.965
10.0	14.969	35.705	261.4	14.967
20.0	14.876	35.717	261.7	14.873
30.0	14.905	35.747	260.8	14.900
40.0	14.846	35.786	261.0	14.840
50.0	14.348	35.761	259.5	14.341
100.0	12.720	35.717	245.9	12.706
150.0	12.430	35.692	244.5	12.410
200.0	12.210	35.663	244.8	12.183
205.0	12.191	35.662	244.9	12.164


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 29

Profile	: 30	Cruise	: GEOVIDE (Classic)
Station	: 16	Cast	: 1
Date	: 28/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 5124 m	Organism	: CNRS - IFREMER
Position	: N 43 10.89 W 016 14.72		

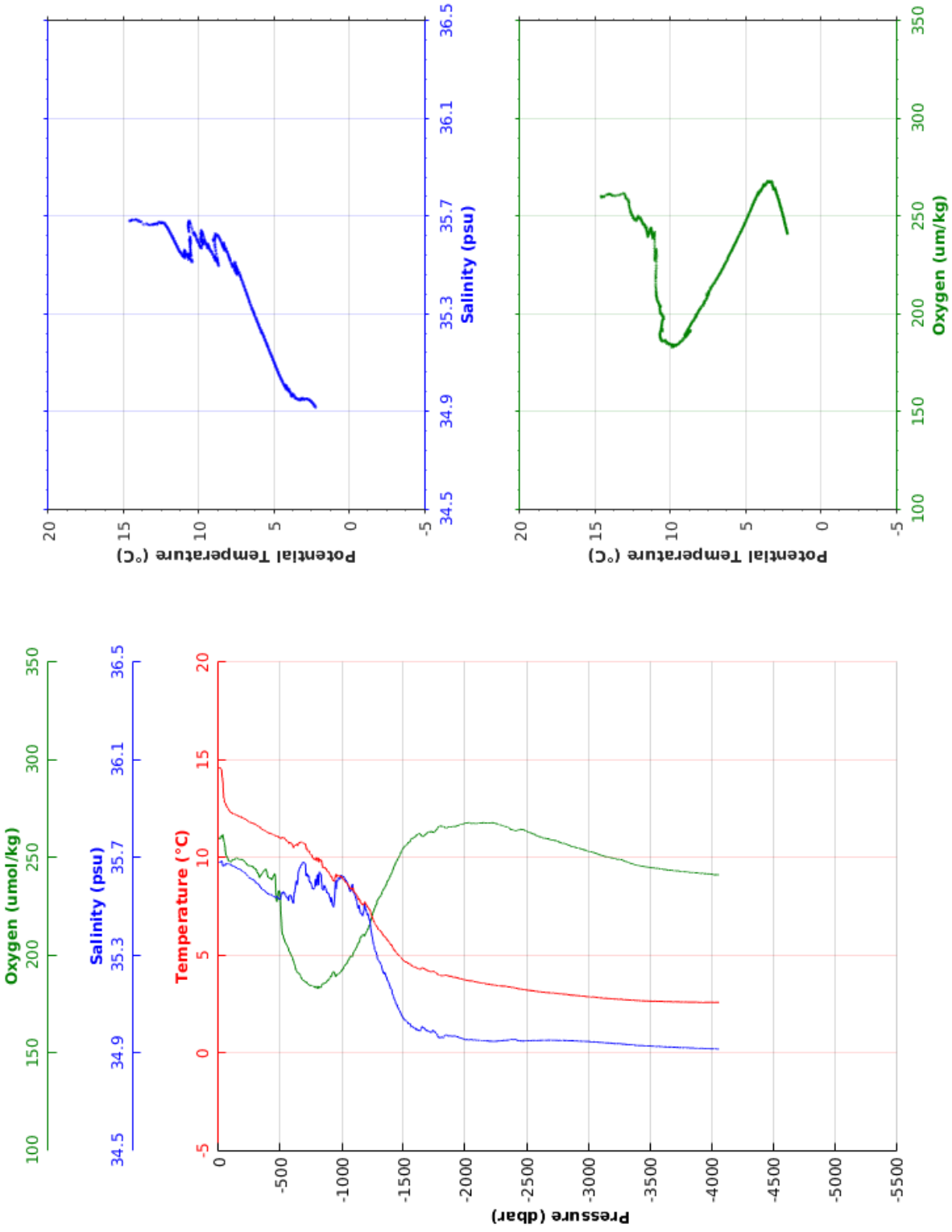
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.873	35.698	265.4	14.873	3050.0	2.792	34.943	249.1	2.540
10.0	14.872	35.699	264.9	14.871	3100.0	2.767	34.940	248.9	2.511
20.0	14.875	35.699	264.9	14.872	3150.0	2.737	34.938	248.3	2.476
30.0	14.310	35.697	265.4	14.305	3200.0	2.722	34.936	248.0	2.456
40.0	13.642	35.695	265.4	13.637	3250.0	2.703	34.934	247.1	2.432
50.0	12.949	35.680	263.9	12.942	3300.0	2.681	34.932	246.6	2.405
100.0	12.394	35.675	252.9	12.380	3350.0	2.657	34.930	245.7	2.377
150.0	12.177	35.665	252.1	12.157	3400.0	2.641	34.928	245.1	2.356
200.0	12.019	35.646	243.8	11.993	3450.0	2.632	34.927	244.8	2.342
250.0	11.877	35.629	245.7	11.844	3500.0	2.617	34.925	244.3	2.321
300.0	11.747	35.616	242.9	11.708	3550.0	2.605	34.924	243.9	2.304
350.0	11.609	35.605	230.9	11.564	3600.0	2.591	34.922	243.6	2.285
400.0	11.473	35.596	227.0	11.421	3650.0	2.582	34.921	243.4	2.271
450.0	11.341	35.591	219.9	11.283	3700.0	2.574	34.920	243.0	2.258
500.0	11.085	35.562	212.7	11.022	3750.0	2.563	34.918	242.9	2.241
550.0	10.816	35.554	203.0	10.748	3800.0	2.553	34.917	242.6	2.226
600.0	10.849	35.617	197.2	10.774	3850.0	2.546	34.915	242.7	2.214
650.0	10.958	35.717	189.5	10.875	3900.0	2.539	34.914	242.4	2.201
700.0	10.883	35.750	186.0	10.794	3950.0	2.532	34.913	242.4	2.188
750.0	10.877	35.821	182.8	10.782	4000.0	2.522	34.912	242.6	2.173
800.0	10.339	35.740	182.8	10.241	4050.0	2.514	34.910	242.5	2.160
850.0	10.241	35.777	182.1	10.136	4100.0	2.508	34.909	242.6	2.148
900.0	10.029	35.781	183.5	9.920	4150.0	2.503	34.908	242.4	2.137
950.0	9.797	35.773	185.3	9.683	4200.0	2.499	34.907	242.5	2.128
1000.0	9.403	35.735	189.0	9.285	4250.0	2.495	34.906	242.5	2.118
1050.0	9.382	35.785	190.7	9.258	4300.0	2.492	34.905	242.5	2.109
1100.0	8.861	35.716	196.6	8.736	4350.0	2.493	34.905	242.5	2.104
1150.0	8.392	35.656	202.9	8.264	4400.0	2.490	34.904	242.5	2.095
1200.0	7.380	35.471	213.5	7.255	4450.0	2.489	34.903	242.5	2.089
1250.0	6.636	35.343	223.3	6.513	4500.0	2.491	34.903	242.5	2.084
1300.0	6.105	35.255	231.5	5.982	4550.0	2.491	34.902	242.6	2.078
1350.0	5.582	35.173	239.5	5.459	4600.0	2.495	34.902	242.6	2.076
1400.0	5.191	35.115	246.0	5.067	4650.0	2.498	34.902	242.7	2.073
1450.0	4.997	35.089	249.4	4.870	4700.0	2.501	34.901	242.6	2.069
1500.0	5.224	35.151	246.4	5.090	4750.0	2.504	34.901	242.7	2.066
1550.0	5.152	35.148	246.3	5.013	4800.0	2.507	34.900	242.8	2.063
1600.0	4.889	35.110	250.2	4.748	4850.0	2.512	34.900	242.8	2.061
1650.0	4.626	35.074	254.7	4.484	4900.0	2.517	34.900	242.8	2.059
1700.0	4.393	35.039	257.4	4.249	4950.0	2.522	34.900	242.9	2.059
1750.0	4.249	35.022	259.3	4.102	5000.0	2.528	34.900	242.9	2.057
1800.0	4.117	35.006	260.9	3.967	5050.0	2.534	34.900	242.9	2.057
1850.0	4.003	34.996	262.6	3.850	5100.0	2.540	34.900	242.9	2.057
1900.0	3.910	34.986	263.7	3.754	5150.0	2.547	34.899	243.0	2.057
1950.0	3.793	34.974	264.9	3.633	5200.0	2.553	34.899	243.1	2.057
2000.0	3.718	34.971	265.5	3.555	5213.0	2.555	34.899	243.1	2.057
2050.0	3.646	34.965	265.7	3.479					
2100.0	3.605	34.966	265.7	3.434					
2150.0	3.559	34.967	265.2	3.384					
2200.0	3.469	34.958	265.4	3.290					
2250.0	3.421	34.958	264.7	3.238					
2300.0	3.397	34.963	263.1	3.210					
2350.0	3.341	34.962	262.0	3.150					
2400.0	3.255	34.951	263.4	3.060					
2450.0	3.257	34.961	260.6	3.058					
2500.0	3.230	34.965	258.7	3.026					
2550.0	3.166	34.959	259.1	2.958					
2600.0	3.096	34.954	258.5	2.884					
2650.0	3.092	34.960	255.8	2.875					
2700.0	3.059	34.960	254.4	2.838					
2750.0	2.997	34.953	254.6	2.772					
2800.0	2.961	34.952	253.7	2.732					
2850.0	2.915	34.950	252.7	2.682					
2900.0	2.885	34.949	251.6	2.647					
2950.0	2.849	34.947	250.6	2.606					
3000.0	2.814	34.944	249.9	2.567					


Potential Temperature (°C)
Salinity (psu)
Oxygen (um/kg)
Oxygen (umol/kg)
Temperature (°C)
Pressure (dbar)

Profile : 30

Profile	: 31	Cruise	: GEOVIDE (Classic)
Station	: 17	Cast	: 1
Date	: 29/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4006 m	Organism	: CNRS - IFREMER
Position	: N 43 46.79 W 017 1.92		

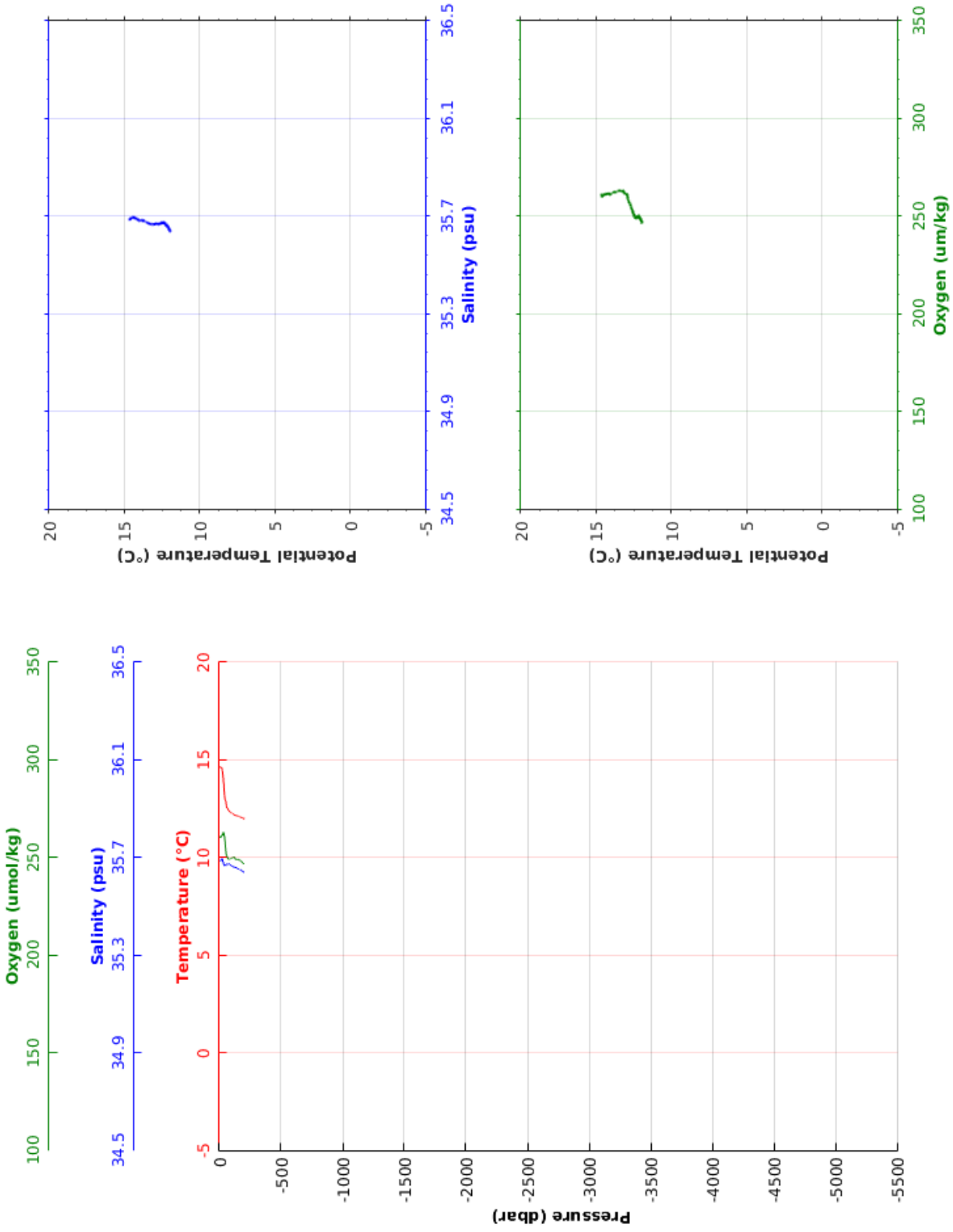
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.598	35.680	260.1	14.598	3050.0	2.844	34.944	252.5	2.592
10.0	14.591	35.680	259.7	14.589	3100.0	2.809	34.942	251.3	2.551
20.0	14.548	35.682	259.7	14.545	3150.0	2.779	34.940	250.4	2.517
30.0	14.101	35.685	261.2	14.096	3200.0	2.760	34.938	249.7	2.493
40.0	13.124	35.665	261.7	13.119	3250.0	2.740	34.936	249.0	2.469
50.0	12.801	35.666	258.0	12.794	3300.0	2.712	34.934	248.1	2.436
100.0	12.299	35.671	248.0	12.285	3350.0	2.689	34.932	247.0	2.408
150.0	12.156	35.658	249.9	12.136	3400.0	2.669	34.930	246.1	2.383
200.0	12.010	35.642	248.7	11.984	3450.0	2.653	34.928	245.4	2.362
250.0	11.819	35.618	245.7	11.786	3500.0	2.640	34.927	244.9	2.344
300.0	11.689	35.603	244.2	11.650	3550.0	2.632	34.926	244.5	2.331
350.0	11.459	35.573	240.8	11.415	3600.0	2.623	34.924	244.1	2.316
400.0	11.273	35.552	241.6	11.223	3650.0	2.609	34.923	243.6	2.298
450.0	11.150	35.540	240.3	11.093	3700.0	2.605	34.922	243.3	2.288
500.0	10.995	35.528	232.8	10.932	3750.0	2.598	34.921	242.9	2.275
550.0	10.873	35.539	206.1	10.804	3800.0	2.590	34.920	242.5	2.262
600.0	10.625	35.527	199.6	10.551	3850.0	2.583	34.918	242.2	2.250
650.0	10.748	35.641	190.9	10.667	3900.0	2.580	34.918	241.9	2.241
700.0	10.707	35.678	186.8	10.620	3950.0	2.577	34.917	241.7	2.232
750.0	10.144	35.596	184.6	10.053	4000.0	2.576	34.916	241.6	2.225
800.0	9.835	35.591	184.0	9.739	4050.0	2.579	34.916	241.1	2.223
850.0	9.478	35.569	185.2	9.378	4064.0	2.581	34.915	241.1	2.223
900.0	9.205	35.549	187.4	9.101					
950.0	9.064	35.581	189.9	8.955					
1000.0	9.007	35.628	191.4	8.893					
1050.0	8.607	35.591	196.2	8.489					
1100.0	8.239	35.554	201.3	8.118					
1150.0	7.737	35.481	207.4	7.615					
1200.0	7.575	35.485	211.2	7.448					
1250.0	6.889	35.374	219.8	6.763					
1300.0	6.303	35.279	228.6	6.178					
1350.0	5.955	35.230	234.2	5.828					
1400.0	5.510	35.161	241.0	5.383					
1450.0	5.080	35.095	248.1	4.953					
1500.0	4.740	35.045	254.1	4.611					
1550.0	4.541	35.018	257.8	4.410					
1600.0	4.382	35.000	260.7	4.248					
1650.0	4.317	35.000	261.6	4.179					
1700.0	4.198	34.989	262.7	4.057					
1750.0	4.144	34.988	262.8	3.999					
1800.0	3.949	34.960	266.2	3.801					
1850.0	3.966	34.971	265.3	3.813					
1900.0	3.882	34.967	265.7	3.726					
1950.0	3.816	34.963	266.3	3.656					
2000.0	3.735	34.955	267.4	3.571					
2050.0	3.678	34.954	267.4	3.510					
2100.0	3.620	34.951	267.5	3.449					
2150.0	3.546	34.949	267.7	3.371					
2200.0	3.494	34.947	267.6	3.315					
2250.0	3.451	34.946	267.4	3.268					
2300.0	3.413	34.949	266.5	3.226					
2350.0	3.377	34.951	265.6	3.186					
2400.0	3.323	34.954	264.0	3.127					
2450.0	3.261	34.948	264.4	3.061					
2500.0	3.216	34.948	263.4	3.012					
2550.0	3.169	34.949	262.3	2.961					
2600.0	3.125	34.950	260.8	2.913					
2650.0	3.090	34.951	259.9	2.873					
2700.0	3.063	34.951	259.1	2.842					
2750.0	3.033	34.951	258.5	2.807					
2800.0	2.999	34.950	257.3	2.769					
2850.0	2.950	34.949	256.2	2.716					
2900.0	2.928	34.948	255.2	2.689					
2950.0	2.898	34.947	254.3	2.655					
3000.0	2.869	34.945	253.2	2.621					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 31

Profile	: 32	Cruise	: GEOVIDE (Classic)
Station	: 17	Cast	: 3
Date	: 29/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4006 m	Organism	: CNRS - IFREMER
Position	: N 43 46.79 W 017 1.88		

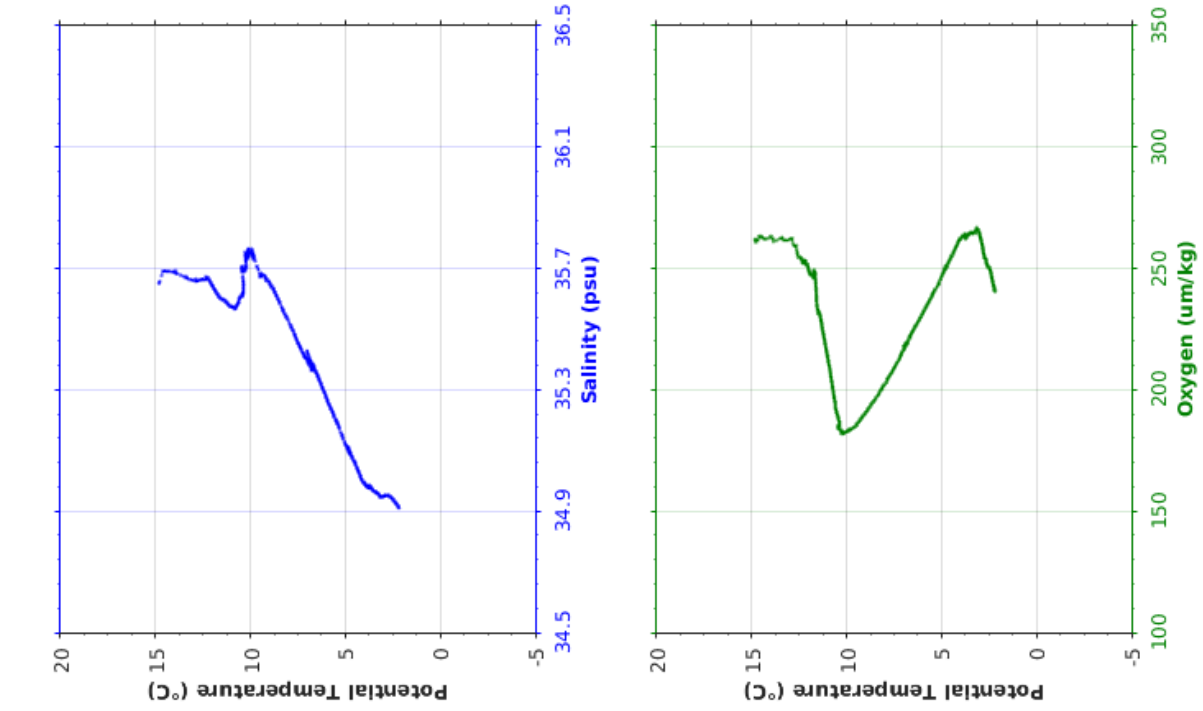
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.643	35.687	260.8	14.643
10.0	14.623	35.687	260.7	14.621
20.0	14.577	35.690	260.4	14.574
30.0	14.113	35.686	261.2	14.109
40.0	13.318	35.668	262.8	13.313
50.0	12.905	35.669	259.4	12.898
100.0	12.262	35.665	249.7	12.249
150.0	12.114	35.655	249.1	12.095
200.0	11.985	35.640	246.9	11.958
205.0	11.975	35.638	246.8	11.948

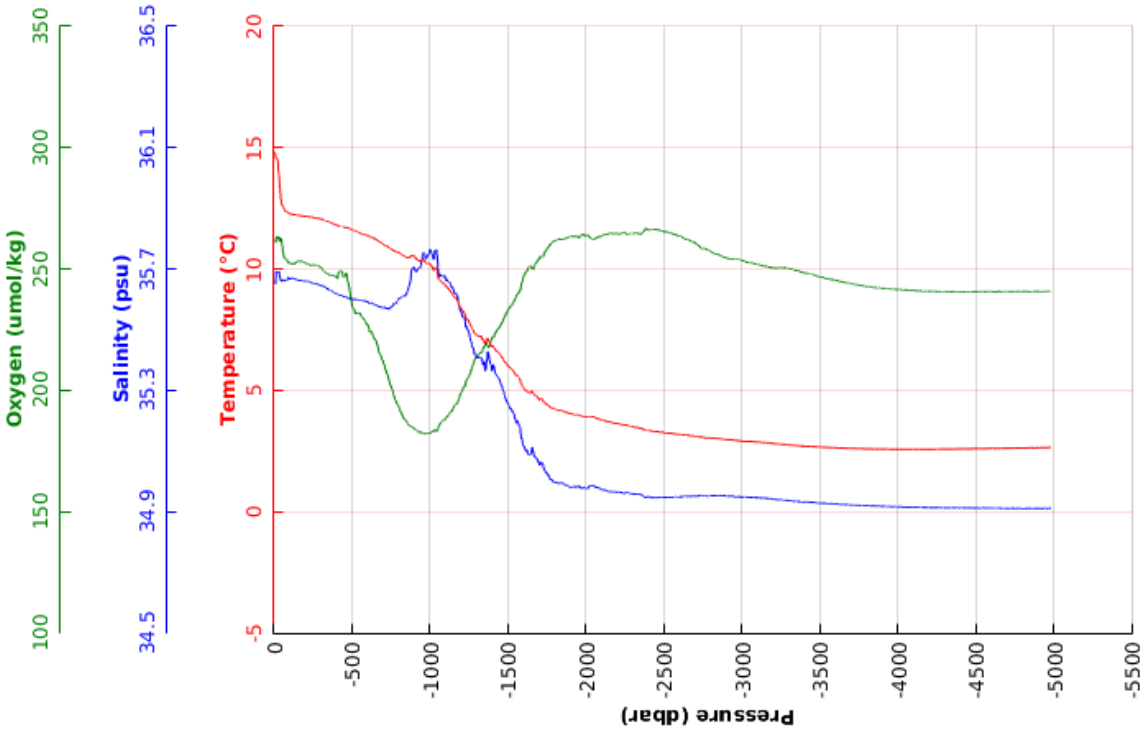

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 32

Profile	: 33	Cruise	: GEOVIDE (Classic)
Station	: 18	Cast	: 1
Date	: 30/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4896 m	Organism	: CNRS - IFREMER
Position	: N 44 22.60 W 017 49.01		

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.774	35.657	261.5	14.773	3050.0	2.893	34.947	252.6	2.639
10.0	14.621	35.689	262.7	14.620	3100.0	2.869	34.946	251.9	2.611
20.0	14.549	35.692	263.2	14.546	3150.0	2.844	34.944	251.1	2.581
30.0	13.948	35.693	262.7	13.944	3200.0	2.810	34.942	250.4	2.542
40.0	13.144	35.663	261.7	13.138	3250.0	2.778	34.939	250.5	2.506
50.0	12.657	35.662	259.6	12.651	3300.0	2.753	34.937	250.2	2.476
100.0	12.278	35.666	252.6	12.265	3350.0	2.720	34.934	249.5	2.438
150.0	12.217	35.665	253.3	12.197	3400.0	2.699	34.932	248.4	2.413
200.0	12.172	35.660	252.4	12.146	3450.0	2.683	34.930	247.8	2.392
250.0	12.124	35.654	251.7	12.091	3500.0	2.662	34.928	246.9	2.365
300.0	12.063	35.646	250.3	12.023	3550.0	2.647	34.927	246.0	2.345
350.0	11.952	35.632	247.6	11.906	3600.0	2.635	34.926	245.4	2.328
400.0	11.813	35.618	246.3	11.761	3650.0	2.618	34.924	244.7	2.306
450.0	11.724	35.608	246.8	11.665	3700.0	2.608	34.922	244.0	2.291
500.0	11.623	35.602	234.2	11.558	3750.0	2.599	34.921	243.4	2.276
550.0	11.490	35.597	231.3	11.419	3800.0	2.588	34.920	242.9	2.260
600.0	11.377	35.592	226.5	11.299	3850.0	2.581	34.918	242.4	2.247
650.0	11.245	35.582	220.2	11.161	3900.0	2.578	34.918	242.0	2.239
700.0	11.036	35.574	210.9	10.947	3950.0	2.574	34.917	241.8	2.230
750.0	10.839	35.574	201.1	10.745	4000.0	2.573	34.916	241.5	2.222
800.0	10.685	35.602	192.6	10.584	4050.0	2.571	34.915	241.3	2.215
850.0	10.479	35.622	186.7	10.373	4100.0	2.569	34.915	241.1	2.208
900.0	10.534	35.704	184.0	10.421	4150.0	2.569	34.914	240.9	2.201
950.0	10.389	35.741	182.3	10.271	4200.0	2.571	34.914	240.8	2.198
1000.0	10.218	35.763	182.5	10.095	4250.0	2.574	34.913	240.8	2.194
1050.0	9.759	35.705	184.4	9.632	4300.0	2.577	34.913	240.7	2.192
1100.0	9.319	35.665	188.5	9.190	4350.0	2.580	34.913	240.6	2.189
1150.0	8.916	35.631	192.9	8.784	4400.0	2.585	34.913	240.6	2.187
1200.0	8.373	35.556	199.4	8.240	4450.0	2.590	34.912	240.5	2.186
1250.0	7.842	35.488	206.2	7.708	4500.0	2.594	34.912	240.7	2.184
1300.0	7.255	35.407	214.6	7.120	4550.0	2.599	34.912	240.7	2.183
1350.0	6.969	35.374	218.6	6.832	4600.0	2.603	34.912	240.7	2.180
1400.0	6.813	35.374	222.1	6.672	4650.0	2.608	34.912	240.7	2.179
1450.0	6.469	35.325	226.7	6.326	4700.0	2.613	34.911	240.7	2.177
1500.0	6.018	35.254	233.3	5.874	4750.0	2.618	34.911	240.7	2.176
1550.0	5.649	35.199	238.7	5.505	4800.0	2.622	34.911	240.7	2.174
1600.0	5.107	35.115	247.3	4.965	4850.0	2.629	34.911	240.8	2.174
1650.0	4.936	35.100	250.9	4.790	4900.0	2.635	34.911	240.7	2.174
1700.0	4.656	35.059	254.5	4.509	4950.0	2.642	34.911	240.8	2.174
1750.0	4.423	35.026	258.5	4.274	4983.0	2.646	34.911	240.7	2.174
1800.0	4.226	34.997	261.7	4.075					
1850.0	4.156	34.995	262.2	4.001					
1900.0	4.040	34.981	263.4	3.881					
1950.0	3.996	34.984	263.1	3.834					
2000.0	3.911	34.977	263.7	3.745					
2050.0	3.900	34.985	262.3	3.729					
2100.0	3.780	34.974	263.8	3.606					
2150.0	3.695	34.966	264.7	3.518					
2200.0	3.634	34.965	264.6	3.453					
2250.0	3.559	34.961	265.0	3.374					
2300.0	3.496	34.959	264.7	3.307					
2350.0	3.443	34.957	264.6	3.250					
2400.0	3.355	34.950	266.1	3.159					
2450.0	3.301	34.947	266.2	3.101					
2500.0	3.260	34.947	265.3	3.056					
2550.0	3.220	34.948	264.6	3.011					
2600.0	3.189	34.948	263.6	2.975					
2650.0	3.152	34.950	262.1	2.934					
2700.0	3.107	34.951	260.7	2.885					
2750.0	3.061	34.952	258.4	2.835					
2800.0	3.032	34.952	257.1	2.801					
2850.0	3.013	34.953	255.9	2.777					
2900.0	2.977	34.952	254.5	2.737					
2950.0	2.942	34.950	254.3	2.698					
3000.0	2.910	34.948	253.5	2.662					

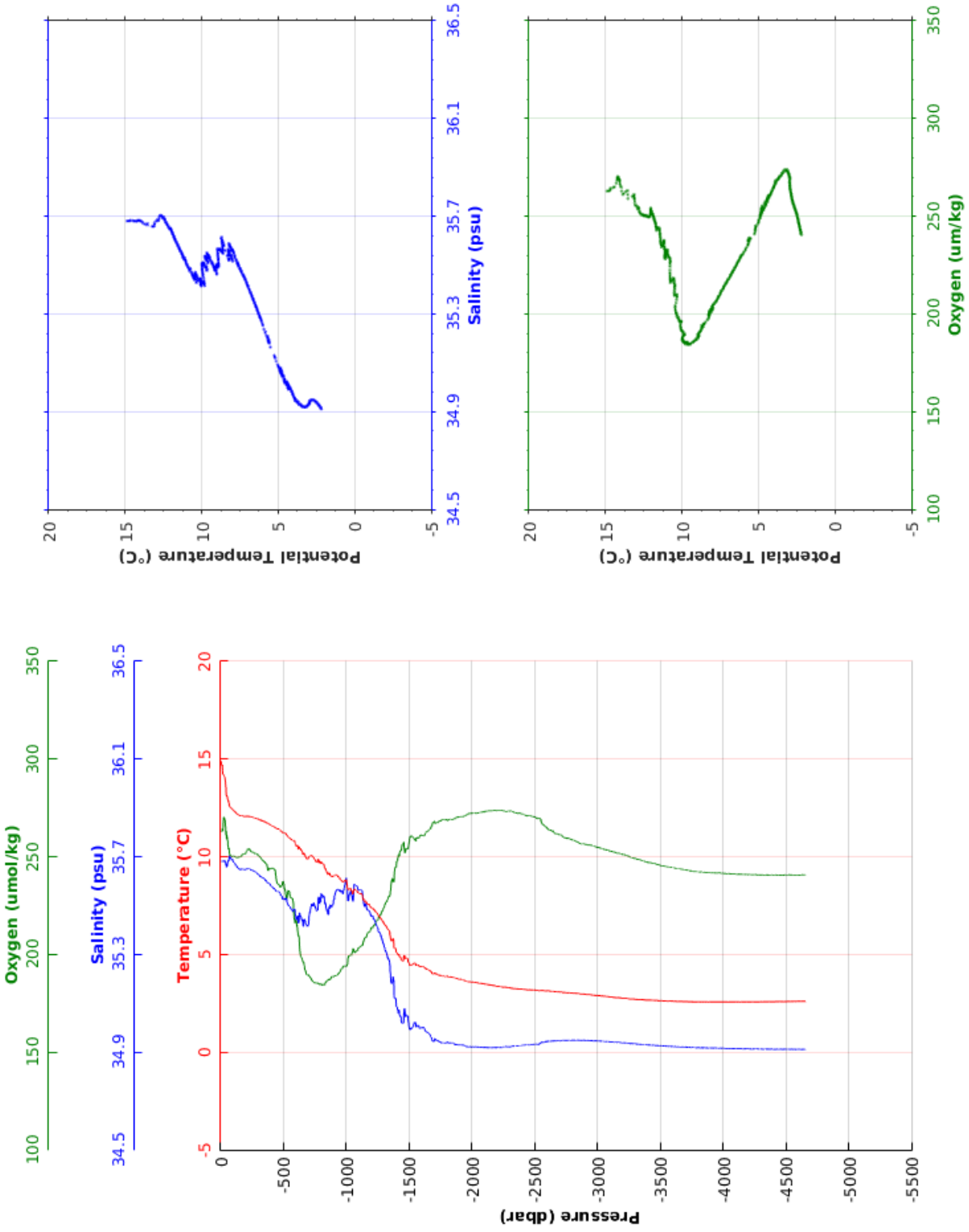

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 33

Profile	: 34	Cruise	: GEOVIDE (Classic)
Station	: 19	Cast	: 1
Date	: 30/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4583 m	Organism	: CNRS - IFREMER
Position	: N 45 3.03 W 018 30.32		

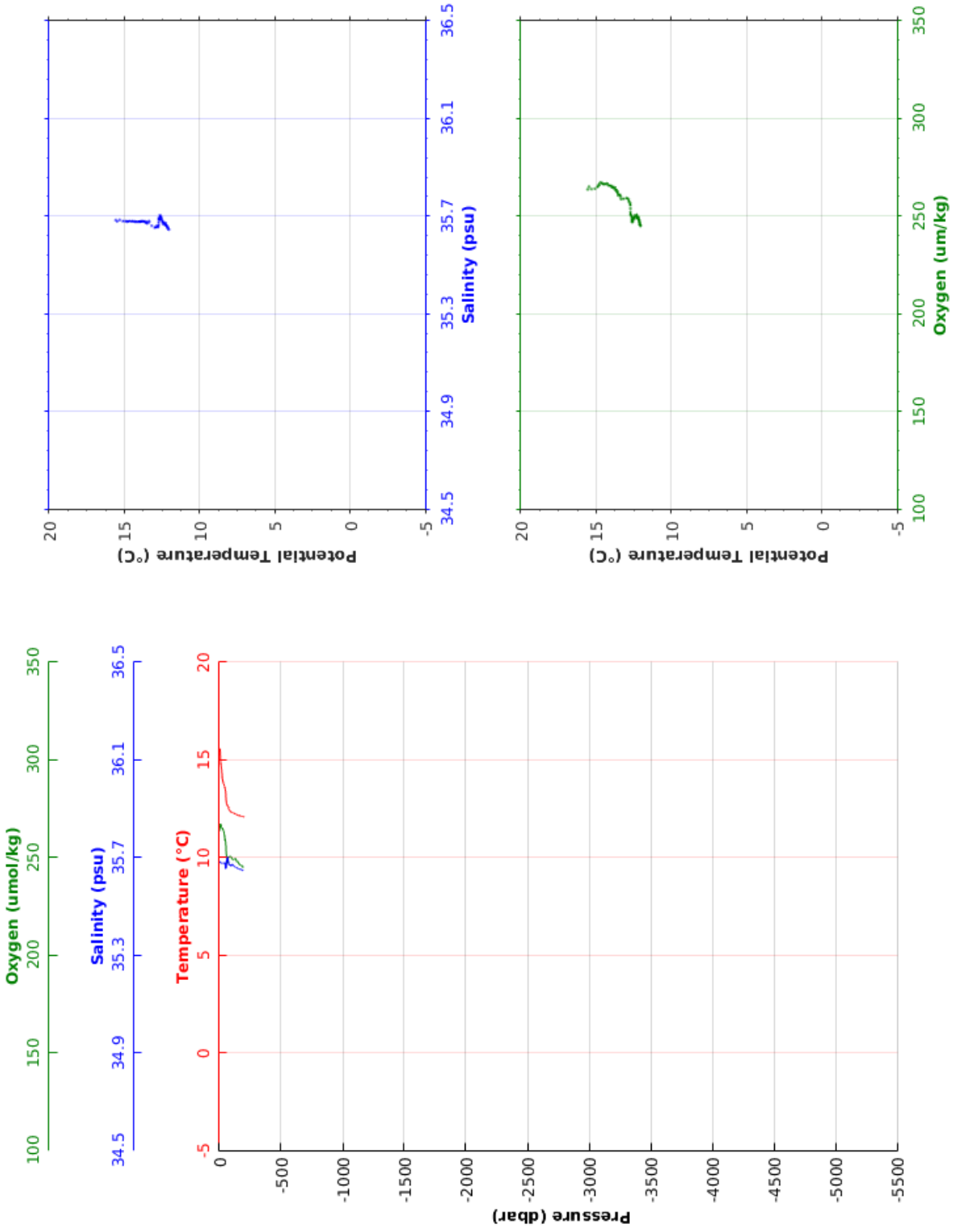
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.889	35.681	262.8	14.888	3050.0	2.870	34.945	253.9	2.616
10.0	14.669	35.681	264.3	14.667	3100.0	2.824	34.942	252.9	2.566
20.0	14.220	35.680	270.2	14.217	3150.0	2.790	34.940	252.0	2.528
30.0	14.080	35.683	268.5	14.076	3200.0	2.769	34.939	251.2	2.503
40.0	13.561	35.670	263.1	13.555	3250.0	2.734	34.936	250.1	2.462
50.0	13.101	35.663	258.4	13.094	3300.0	2.709	34.934	249.1	2.433
100.0	12.381	35.679	250.2	12.368	3350.0	2.688	34.932	248.2	2.408
150.0	12.108	35.647	250.0	12.088	3400.0	2.667	34.930	247.2	2.381
200.0	12.064	35.648	252.8	12.037	3450.0	2.653	34.928	246.5	2.362
250.0	12.035	35.645	252.3	12.002	3500.0	2.629	34.926	245.5	2.333
300.0	11.922	35.626	250.3	11.883	3550.0	2.618	34.925	245.0	2.317
350.0	11.805	35.607	247.0	11.759	3600.0	2.609	34.923	244.4	2.303
400.0	11.613	35.581	244.0	11.561	3650.0	2.597	34.922	243.8	2.286
450.0	11.436	35.557	236.1	11.378	3700.0	2.588	34.920	243.3	2.271
500.0	11.235	35.529	236.1	11.171	3750.0	2.575	34.919	242.7	2.253
550.0	10.971	35.494	229.5	10.902	3800.0	2.574	34.918	242.3	2.246
600.0	10.561	35.446	216.4	10.487	3850.0	2.571	34.917	242.1	2.238
650.0	10.242	35.439	196.4	10.163	3900.0	2.572	34.917	241.8	2.233
700.0	9.959	35.446	189.0	9.876	3950.0	2.572	34.917	241.7	2.228
750.0	9.865	35.495	185.5	9.776	4000.0	2.572	34.916	241.5	2.221
800.0	9.755	35.549	184.4	9.660	4050.0	2.568	34.915	241.3	2.212
850.0	9.124	35.467	186.9	9.027	4100.0	2.569	34.915	241.1	2.207
900.0	9.023	35.527	188.9	8.920	4150.0	2.571	34.914	241.0	2.204
950.0	8.852	35.557	191.8	8.744	4200.0	2.572	34.914	240.9	2.198
1000.0	8.789	35.607	194.0	8.676	4250.0	2.573	34.913	240.8	2.194
1050.0	8.091	35.517	202.6	7.978	4300.0	2.576	34.913	240.8	2.190
1100.0	8.143	35.562	203.6	8.024	4350.0	2.579	34.913	240.7	2.187
1150.0	7.763	35.509	208.7	7.640	4400.0	2.582	34.912	240.6	2.185
1200.0	7.388	35.455	213.9	7.264	4450.0	2.587	34.912	240.6	2.183
1250.0	7.077	35.408	217.8	6.950	4500.0	2.591	34.912	240.6	2.181
1300.0	6.589	35.331	224.7	6.461	4550.0	2.596	34.912	240.6	2.179
1350.0	5.968	35.224	233.2	5.841	4600.0	2.601	34.911	240.7	2.178
1400.0	5.107	35.085	247.9	4.983	4650.0	2.607	34.911	240.7	2.178
1450.0	4.680	35.018	256.6	4.557	4659.0	2.608	34.911	240.7	2.178
1500.0	4.500	34.999	258.7	4.374					
1550.0	4.554	35.021	258.1	4.423					
1600.0	4.386	35.000	260.9	4.251					
1650.0	4.228	34.979	263.5	4.091					
1700.0	4.031	34.951	267.8	3.892					
1750.0	3.920	34.941	268.4	3.778					
1800.0	3.889	34.941	268.9	3.743					
1850.0	3.830	34.936	269.2	3.680					
1900.0	3.738	34.929	270.6	3.584					
1950.0	3.650	34.924	271.3	3.493					
2000.0	3.587	34.922	272.2	3.426					
2050.0	3.548	34.920	272.5	3.382					
2100.0	3.488	34.919	273.2	3.319					
2150.0	3.439	34.919	273.5	3.266					
2200.0	3.374	34.919	273.8	3.197					
2250.0	3.329	34.921	273.6	3.148					
2300.0	3.288	34.921	273.3	3.103					
2350.0	3.245	34.926	272.4	3.055					
2400.0	3.225	34.928	271.9	3.031					
2450.0	3.191	34.930	271.0	2.992					
2500.0	3.171	34.932	270.3	2.968					
2550.0	3.158	34.940	268.1	2.951					
2600.0	3.143	34.945	264.5	2.931					
2650.0	3.108	34.947	262.4	2.891					
2700.0	3.073	34.946	261.4	2.852					
2750.0	3.042	34.948	259.5	2.816					
2800.0	3.025	34.948	258.6	2.794					
2850.0	2.998	34.949	257.3	2.763					
2900.0	2.961	34.948	256.4	2.722					
2950.0	2.934	34.947	255.9	2.690					
3000.0	2.899	34.946	254.9	2.650					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 34

Profile	: 35	Cruise	: GEOVIDE (Classic)
Station	: 19	Cast	: 3
Date	: 30/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4583 m	Organism	: CNRS - IFREMER
Position	: N 45 3.03 W 018 30.32		

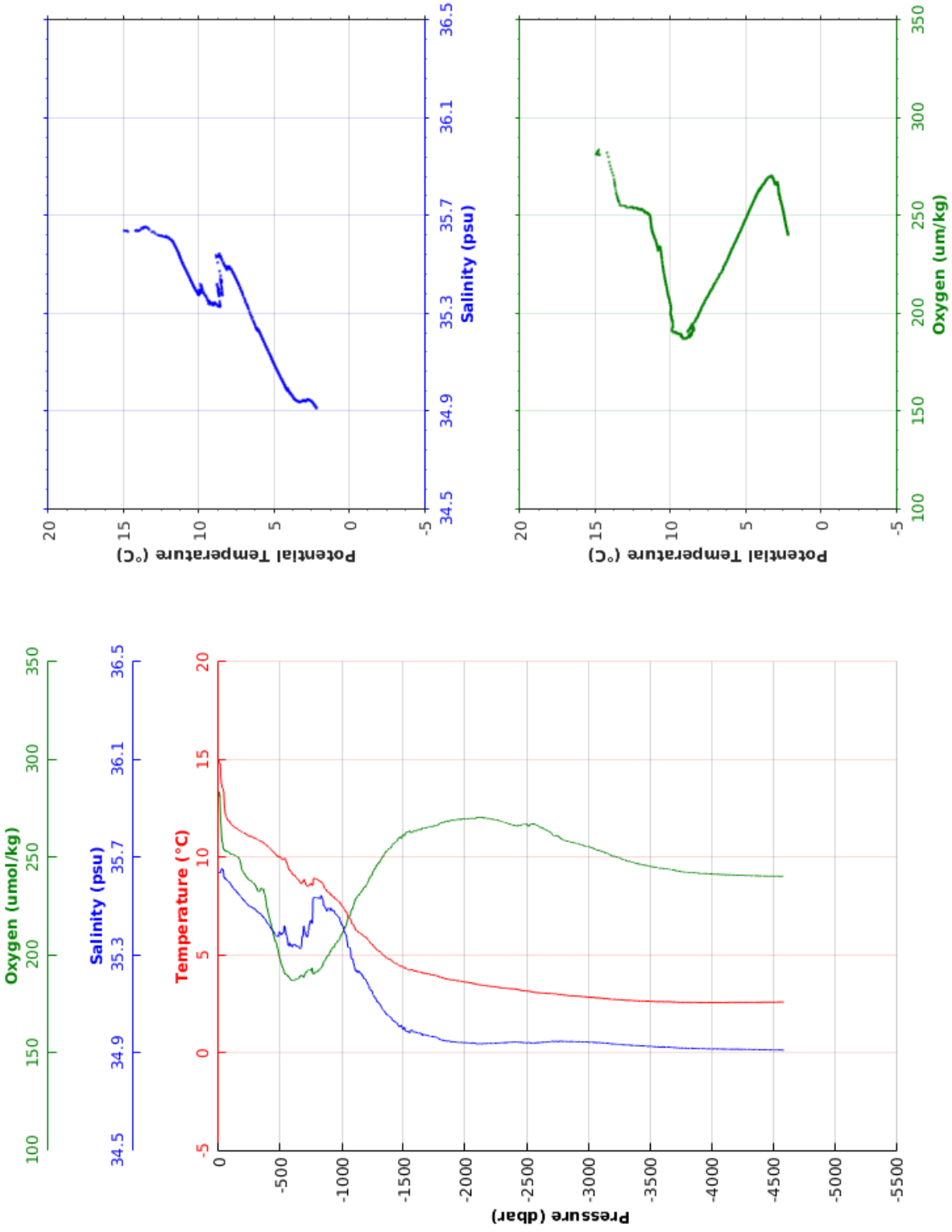
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	15.563	35.684	263.7	15.563
10.0	14.867	35.678	265.4	14.865
20.0	14.281	35.677	266.7	14.278
30.0	13.869	35.678	264.5	13.865
40.0	13.648	35.677	263.2	13.643
50.0	13.376	35.677	259.8	13.369
100.0	12.311	35.667	250.3	12.298
150.0	12.163	35.656	247.8	12.144
200.0	12.073	35.646	245.3	12.047
203.0	12.071	35.645	245.3	12.044


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 35

Profile	: 36	Cruise	: GEOVIDE (Classic)
Station	: 20	Cast	: 1
Date	: 31/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4517 m	Organism	: CNRS - IFREMER
Position	: N 45 47.63 W 019 5.49		

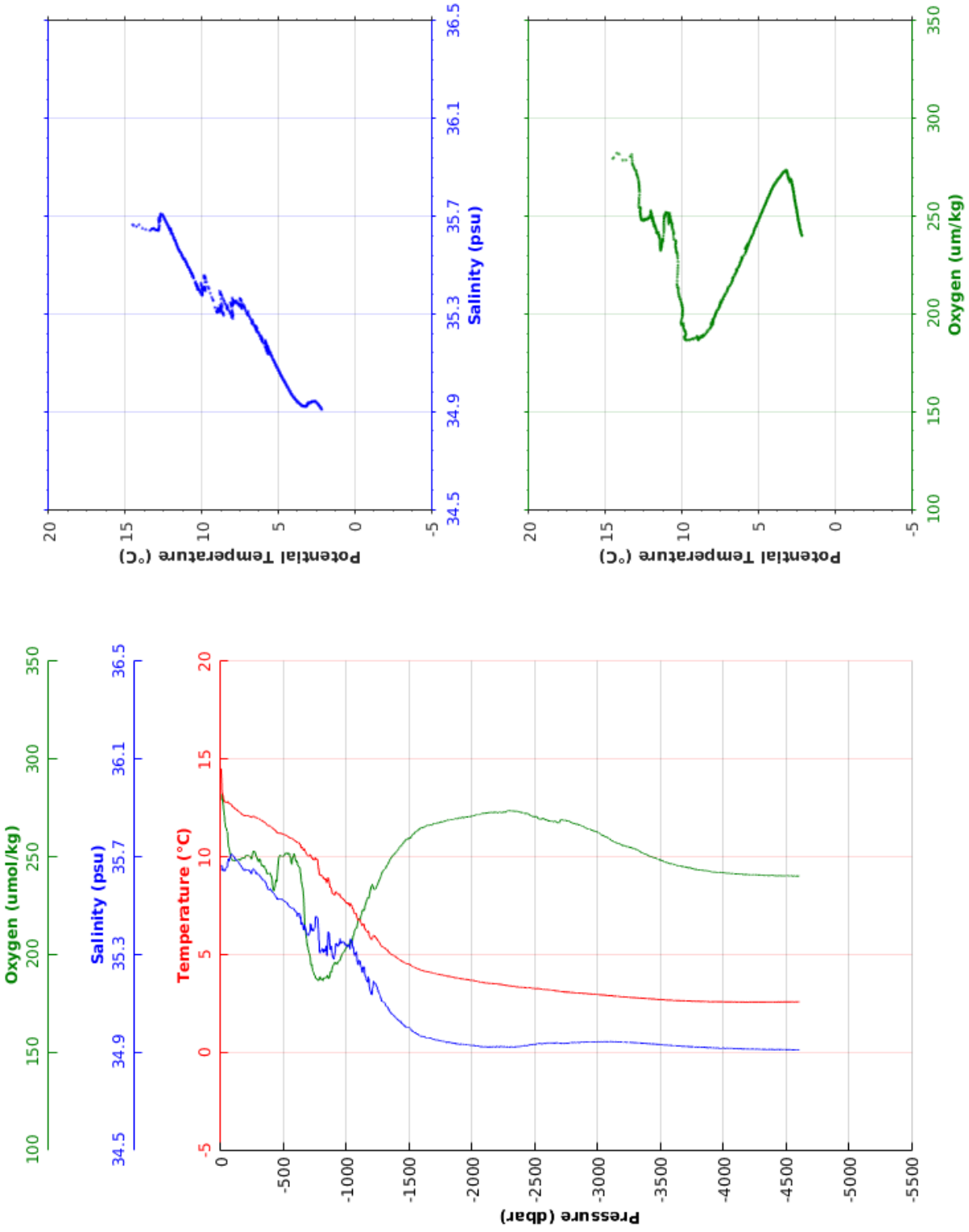
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.945	35.638	281.4	14.945	3050.0	2.816	34.941	254.5	2.564
10.0	14.827	35.637	282.9	14.825	3100.0	2.785	34.940	253.3	2.529
20.0	13.939	35.640	273.7	13.936	3150.0	2.760	34.938	252.1	2.499
30.0	13.578	35.653	260.6	13.574	3200.0	2.722	34.935	250.7	2.456
40.0	13.406	35.649	256.7	13.401	3250.0	2.707	34.934	249.8	2.436
50.0	12.488	35.617	253.7	12.481	3300.0	2.681	34.932	248.6	2.406
100.0	11.725	35.592	252.0	11.712	3350.0	2.666	34.930	247.7	2.385
150.0	11.462	35.559	250.6	11.443	3400.0	2.645	34.928	246.8	2.360
200.0	11.253	35.527	242.8	11.228	3450.0	2.633	34.927	246.1	2.343
250.0	11.070	35.500	238.4	11.039	3500.0	2.622	34.925	245.4	2.326
300.0	10.967	35.486	236.0	10.929	3550.0	2.608	34.924	244.8	2.308
350.0	10.801	35.465	234.3	10.758	3600.0	2.601	34.922	244.3	2.295
400.0	10.542	35.430	223.6	10.493	3650.0	2.599	34.922	244.0	2.287
450.0	10.234	35.393	210.5	10.180	3700.0	2.584	34.920	243.3	2.267
500.0	10.026	35.394	198.6	9.967	3750.0	2.573	34.919	242.7	2.251
550.0	9.714	35.381	190.5	9.650	3800.0	2.568	34.918	242.3	2.241
600.0	9.108	35.333	187.1	9.041	3850.0	2.567	34.917	242.1	2.234
650.0	8.826	35.333	187.8	8.754	3900.0	2.564	34.916	241.8	2.226
700.0	8.726	35.396	189.3	8.648	3950.0	2.564	34.916	241.6	2.219
750.0	8.654	35.440	192.0	8.571	4000.0	2.562	34.915	241.5	2.212
800.0	8.871	35.535	191.2	8.781	4050.0	2.563	34.914	241.3	2.207
850.0	8.604	35.527	194.5	8.510	4100.0	2.563	34.914	241.1	2.201
900.0	8.171	35.490	200.1	8.074	4150.0	2.565	34.914	241.0	2.198
950.0	7.859	35.469	205.1	7.759	4200.0	2.567	34.913	240.8	2.194
1000.0	7.517	35.426	210.1	7.414	4250.0	2.569	34.913	240.7	2.189
1050.0	6.971	35.344	217.5	6.866	4300.0	2.569	34.912	240.6	2.184
1100.0	6.436	35.261	225.4	6.330	4350.0	2.572	34.912	240.5	2.181
1150.0	6.104	35.228	231.1	5.997	4400.0	2.573	34.911	240.3	2.175
1200.0	5.868	35.195	235.3	5.757	4450.0	2.574	34.911	240.3	2.171
1250.0	5.531	35.150	240.8	5.418	4500.0	2.576	34.911	240.3	2.167
1300.0	5.201	35.105	246.8	5.087	4550.0	2.582	34.910	240.3	2.166
1350.0	4.923	35.068	251.5	4.806	4589.0	2.587	34.910	240.3	2.166
1400.0	4.740	35.045	254.7	4.621					
1450.0	4.538	35.022	258.1	4.416					
1500.0	4.347	34.996	261.4	4.223					
1550.0	4.219	34.982	263.3	4.091					
1600.0	4.180	34.984	263.3	4.048					
1650.0	4.095	34.976	264.3	3.959					
1700.0	4.027	34.970	265.2	3.888					
1750.0	3.960	34.964	266.0	3.817					
1800.0	3.865	34.955	267.1	3.719					
1850.0	3.762	34.947	268.3	3.612					
1900.0	3.715	34.944	268.8	3.561					
1950.0	3.666	34.941	269.3	3.508					
2000.0	3.613	34.940	269.6	3.452					
2050.0	3.560	34.939	269.8	3.394					
2100.0	3.485	34.936	270.1	3.316					
2150.0	3.436	34.936	270.3	3.262					
2200.0	3.398	34.937	269.8	3.220					
2250.0	3.363	34.938	269.2	3.181					
2300.0	3.313	34.940	268.3	3.127					
2350.0	3.277	34.941	267.3	3.086					
2400.0	3.254	34.943	266.3	3.060					
2450.0	3.196	34.942	266.3	2.998					
2500.0	3.147	34.939	266.9	2.944					
2550.0	3.105	34.939	266.8	2.898					
2600.0	3.055	34.941	265.9	2.844					
2650.0	3.035	34.942	264.3	2.820					
2700.0	3.024	34.945	262.7	2.804					
2750.0	2.988	34.945	261.1	2.763					
2800.0	2.950	34.946	259.1	2.721					
2850.0	2.909	34.945	258.0	2.676					
2900.0	2.893	34.945	257.3	2.655					
2950.0	2.866	34.944	256.3	2.624					
3000.0	2.837	34.942	255.5	2.590					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 36

Profile	: 37	Cruise	: GEOVIDE (Classic)
Station	: 21	Cast	: 1
Date	: 31/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4531 m	Organism	: CNRS - IFREMER
Position	: N 46 32.65 W 019 40.32		

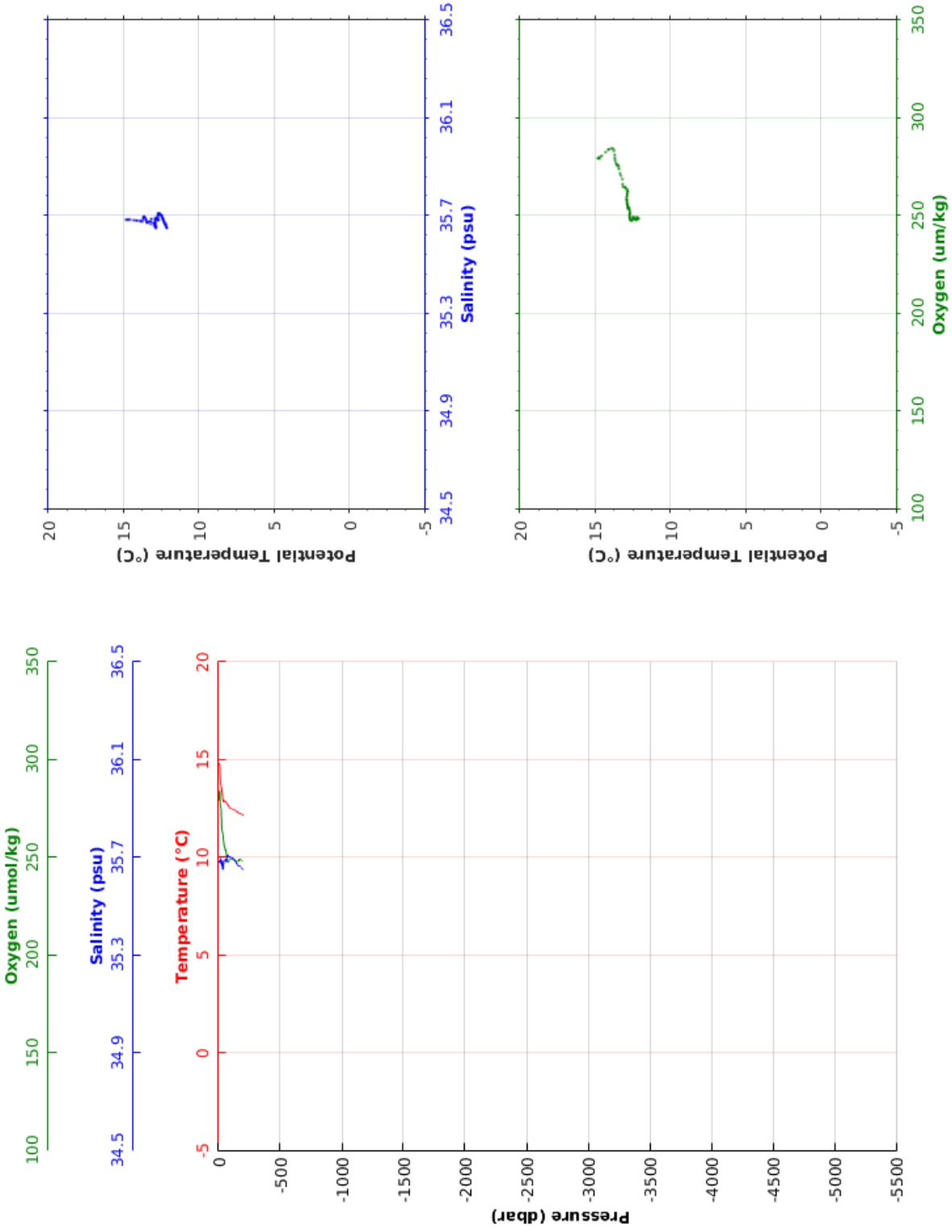
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.511	35.666	279.5	14.511	3050.0	2.924	34.943	260.8	2.670
10.0	13.381	35.642	280.6	13.380	3100.0	2.891	34.943	258.9	2.632
20.0	13.025	35.644	273.5	13.023	3150.0	2.863	34.942	257.1	2.599
30.0	12.817	35.642	267.1	12.813	3200.0	2.834	34.941	255.8	2.566
40.0	12.801	35.655	264.5	12.796	3250.0	2.810	34.939	255.0	2.537
50.0	12.781	35.658	262.6	12.774	3300.0	2.788	34.938	254.0	2.510
100.0	12.543	35.702	248.1	12.530	3350.0	2.757	34.937	252.2	2.475
150.0	12.283	35.669	248.3	12.263	3400.0	2.737	34.935	250.7	2.449
200.0	12.107	35.647	250.5	12.080	3450.0	2.721	34.933	249.6	2.428
250.0	12.059	35.645	251.6	12.026	3500.0	2.695	34.931	248.4	2.398
300.0	11.958	35.626	248.2	11.918	3550.0	2.669	34.929	247.0	2.367
350.0	11.765	35.598	243.7	11.719	3600.0	2.652	34.927	246.3	2.345
400.0	11.535	35.562	239.7	11.483	3650.0	2.639	34.925	245.4	2.326
450.0	11.232	35.525	244.0	11.175	3700.0	2.626	34.924	244.7	2.308
500.0	11.154	35.520	250.7	11.090	3750.0	2.611	34.922	244.1	2.288
550.0	10.963	35.494	249.8	10.894	3800.0	2.602	34.921	243.4	2.274
600.0	10.790	35.473	247.7	10.715	3850.0	2.597	34.920	243.1	2.263
650.0	10.474	35.427	233.5	10.394	3900.0	2.583	34.918	242.3	2.244
700.0	10.041	35.382	200.8	9.958	3950.0	2.580	34.917	242.0	2.236
750.0	9.879	35.431	188.7	9.790	4000.0	2.574	34.916	241.8	2.224
800.0	9.032	35.318	187.1	8.941	4050.0	2.573	34.915	241.6	2.216
850.0	8.785	35.343	188.9	8.690	4100.0	2.567	34.914	241.3	2.205
900.0	8.063	35.284	195.3	7.967	4150.0	2.565	34.913	241.1	2.197
950.0	8.026	35.353	197.7	7.925	4200.0	2.563	34.913	240.8	2.189
1000.0	7.625	35.332	204.0	7.521	4250.0	2.565	34.913	240.7	2.186
1050.0	7.327	35.325	209.2	7.219	4300.0	2.562	34.912	240.6	2.177
1100.0	6.811	35.276	218.1	6.703	4350.0	2.563	34.911	240.5	2.172
1150.0	6.315	35.212	225.8	6.205	4400.0	2.566	34.911	240.5	2.169
1200.0	5.764	35.136	235.4	5.654	4450.0	2.568	34.910	240.2	2.164
1250.0	5.731	35.154	236.4	5.616	4500.0	2.569	34.910	240.3	2.160
1300.0	5.364	35.104	243.6	5.248	4550.0	2.571	34.909	240.2	2.155
1350.0	5.045	35.063	249.0	4.927	4600.0	2.576	34.909	240.1	2.154
1400.0	4.849	35.038	252.9	4.729	4609.0	2.578	34.909	240.2	2.155
1450.0	4.633	35.015	257.1	4.510					
1500.0	4.505	35.000	259.4	4.379					
1550.0	4.324	34.979	262.7	4.195					
1600.0	4.189	34.964	264.8	4.057					
1650.0	4.102	34.957	266.2	3.967					
1700.0	4.030	34.952	267.0	3.891					
1750.0	3.968	34.946	267.7	3.825					
1800.0	3.890	34.939	268.8	3.744					
1850.0	3.837	34.937	269.2	3.686					
1900.0	3.771	34.933	269.8	3.616					
1950.0	3.726	34.931	270.3	3.568					
2000.0	3.671	34.928	271.0	3.508					
2050.0	3.611	34.924	271.6	3.445					
2100.0	3.557	34.922	272.3	3.386					
2150.0	3.521	34.921	272.7	3.347					
2200.0	3.494	34.923	272.6	3.315					
2250.0	3.444	34.922	273.0	3.261					
2300.0	3.390	34.921	273.6	3.203					
2350.0	3.351	34.922	273.4	3.159					
2400.0	3.315	34.925	272.6	3.119					
2450.0	3.289	34.929	271.9	3.089					
2500.0	3.260	34.931	270.6	3.056					
2550.0	3.234	34.935	269.4	3.025					
2600.0	3.201	34.937	268.6	2.987					
2650.0	3.165	34.937	268.0	2.947					
2700.0	3.102	34.935	268.3	2.880					
2750.0	3.080	34.936	268.6	2.853					
2800.0	3.051	34.939	267.2	2.820					
2850.0	3.026	34.940	266.4	2.790					
2900.0	3.003	34.941	264.9	2.763					
2950.0	2.976	34.942	263.6	2.731					
3000.0	2.949	34.942	262.5	2.699					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 37

Profile	: 38	Cruise	: GEOVIDE (Classic)
Station	: 21	Cast	: 3
Date	: 31/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4531 m	Organism	: CNRS - IFREMER
Position	: N 46 32.65 W 019 40.32		

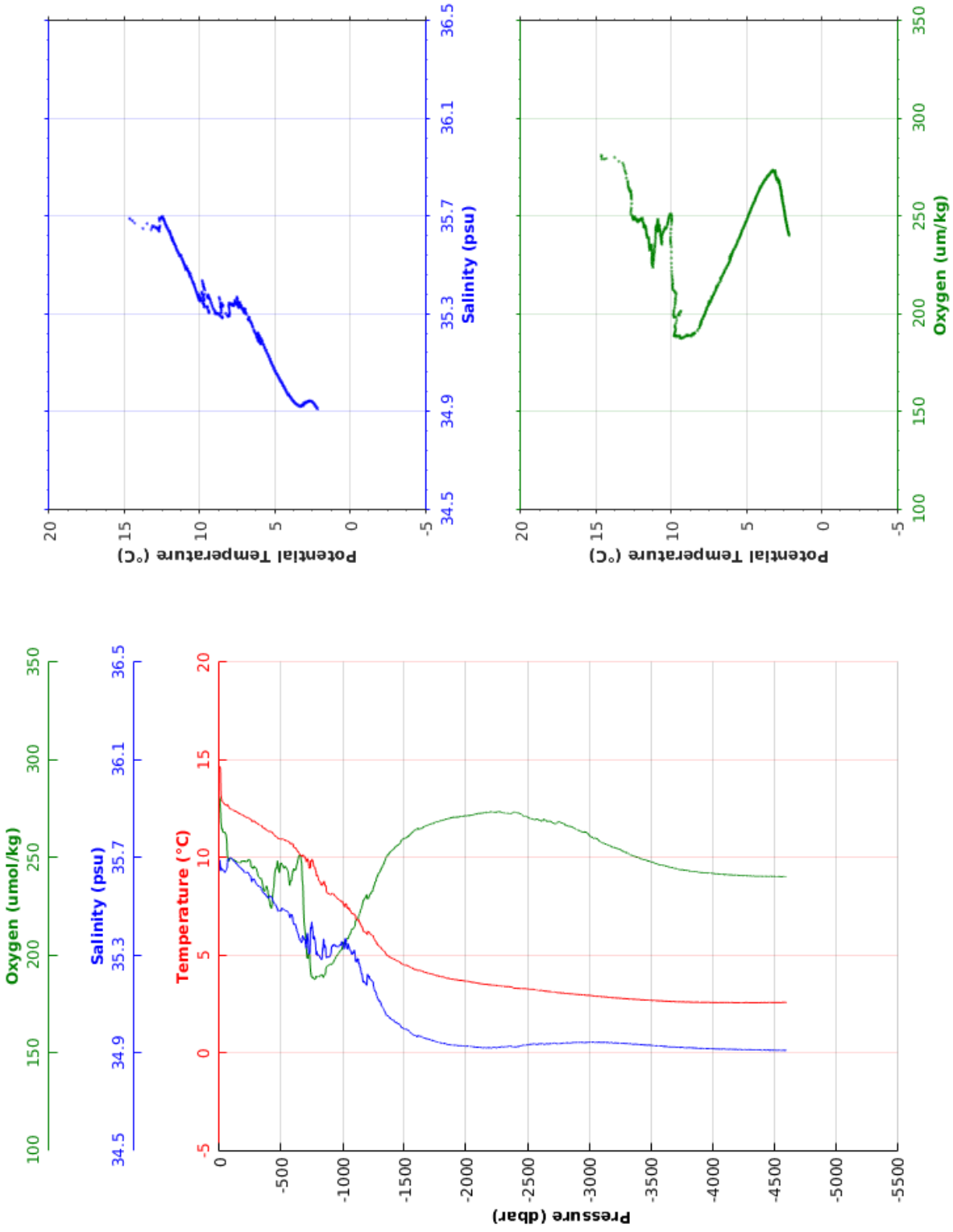
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.802	35.683	279.3	14.802
10.0	14.572	35.683	280.5	14.570
20.0	13.624	35.696	276.8	13.621
30.0	13.198	35.665	268.6	13.194
40.0	12.838	35.652	262.1	12.832
50.0	12.882	35.685	256.6	12.875
100.0	12.498	35.702	249.1	12.485
150.0	12.340	35.676	248.0	12.320
200.0	12.145	35.650	248.3	12.119
202.0	12.136	35.649	248.2	12.109


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 38

Profile	: 39	Cruise	: GEOVIDE (Classic)
Station	: 21	Cast	: 6
Date	: 31/05/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4525 m	Organism	: CNRS - IFREMER
Position	: N 46 32.65 W 019 40.32		

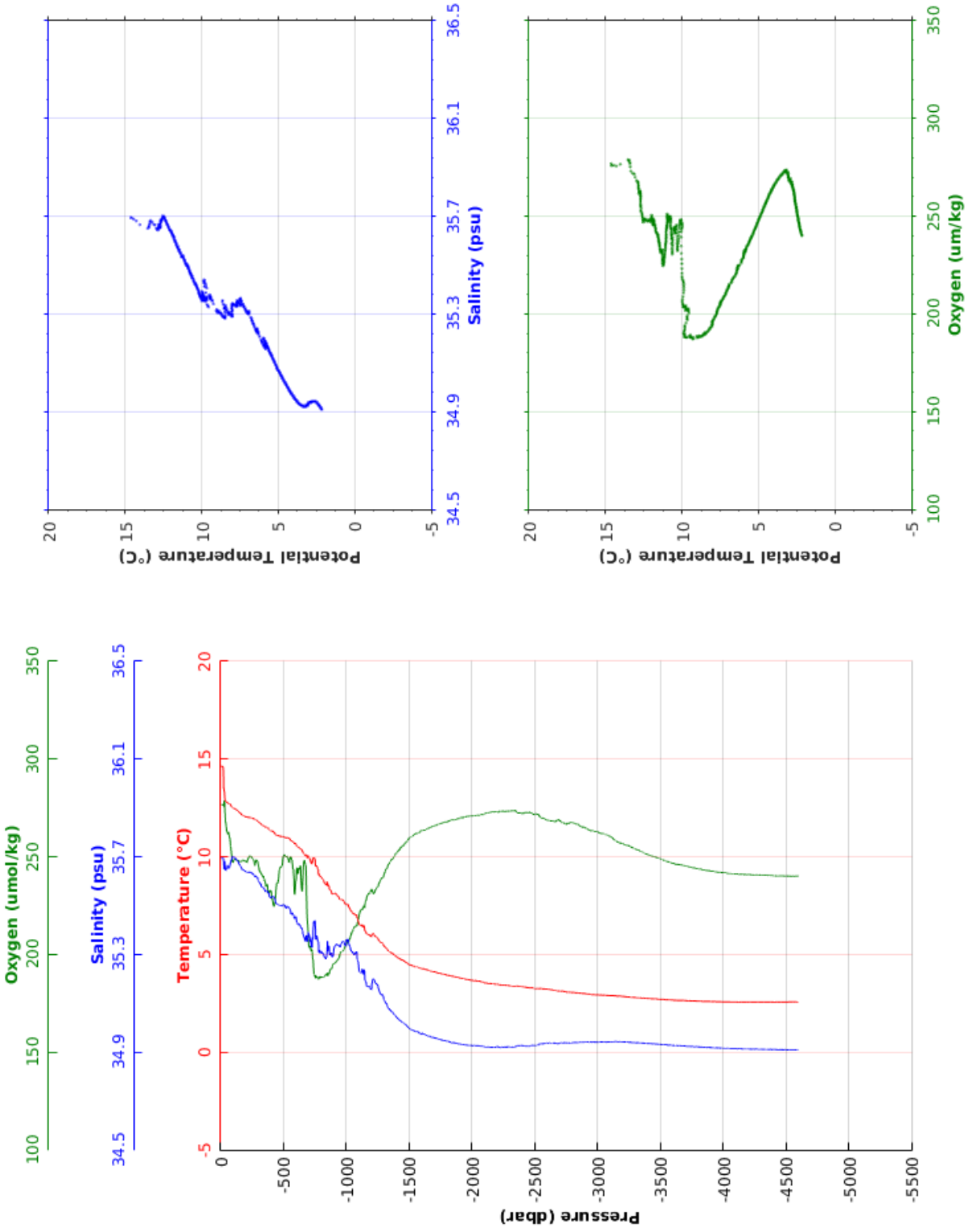
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.645	35.690	281.2	14.645	3050.0	2.892	34.942	260.0	2.638
10.0	13.766	35.649	280.1	13.765	3100.0	2.866	34.942	257.9	2.608
20.0	12.889	35.650	267.4	12.886	3150.0	2.841	34.942	256.5	2.578
30.0	12.814	35.651	264.2	12.810	3200.0	2.813	34.940	255.3	2.546
40.0	12.728	35.642	262.7	12.723	3250.0	2.790	34.939	254.2	2.518
50.0	12.691	35.638	263.1	12.685	3300.0	2.765	34.937	252.7	2.488
100.0	12.478	35.699	249.5	12.464	3350.0	2.739	34.935	251.1	2.457
150.0	12.302	35.670	247.7	12.282	3400.0	2.718	34.933	250.0	2.431
200.0	12.125	35.646	248.0	12.098	3450.0	2.697	34.932	248.7	2.405
250.0	11.969	35.626	248.8	11.936	3500.0	2.685	34.930	247.9	2.388
300.0	11.774	35.596	244.6	11.735	3550.0	2.661	34.928	246.7	2.359
350.0	11.545	35.561	238.4	11.500	3600.0	2.646	34.926	246.0	2.338
400.0	11.333	35.533	232.1	11.281	3650.0	2.625	34.924	245.2	2.313
450.0	11.112	35.508	237.2	11.055	3700.0	2.613	34.922	244.5	2.296
500.0	10.925	35.480	245.9	10.863	3750.0	2.602	34.921	243.7	2.279
550.0	10.857	35.481	244.5	10.789	3800.0	2.595	34.920	243.3	2.267
600.0	10.579	35.440	242.2	10.505	3850.0	2.589	34.919	242.8	2.256
650.0	10.182	35.371	250.7	10.104	3900.0	2.580	34.918	242.4	2.241
700.0	9.929	35.352	212.0	9.845	3950.0	2.578	34.917	242.0	2.233
750.0	9.869	35.427	189.7	9.780	4000.0	2.573	34.916	241.9	2.223
800.0	8.965	35.298	189.0	8.875	4050.0	2.568	34.915	241.5	2.212
850.0	8.765	35.362	188.4	8.670	4100.0	2.567	34.914	241.4	2.206
900.0	8.108	35.297	195.0	8.012	4150.0	2.564	34.914	241.1	2.197
950.0	7.945	35.336	198.7	7.844	4200.0	2.563	34.913	240.9	2.190
1000.0	7.722	35.352	203.2	7.617	4250.0	2.563	34.912	240.7	2.184
1050.0	7.434	35.346	208.4	7.326	4300.0	2.564	34.912	240.6	2.179
1100.0	7.065	35.314	214.2	6.955	4350.0	2.562	34.911	240.4	2.171
1150.0	6.514	35.235	222.7	6.403	4400.0	2.566	34.911	240.4	2.169
1200.0	6.071	35.182	231.0	5.958	4450.0	2.567	34.910	240.3	2.163
1250.0	5.944	35.186	233.2	5.827	4500.0	2.567	34.910	240.2	2.158
1300.0	5.435	35.114	242.2	5.319	4550.0	2.571	34.909	240.2	2.155
1350.0	5.076	35.063	248.7	4.958	4600.0	2.576	34.909	240.2	2.154
1400.0	4.838	35.037	253.4	4.718	4603.0	2.577	34.909	240.3	2.154
1450.0	4.695	35.021	256.2	4.572					
1500.0	4.498	34.998	259.8	4.372					
1550.0	4.374	34.983	261.7	4.244					
1600.0	4.244	34.968	264.3	4.112					
1650.0	4.169	34.965	265.0	4.033					
1700.0	4.065	34.955	266.6	3.926					
1750.0	3.969	34.947	267.9	3.827					
1800.0	3.886	34.940	268.9	3.740					
1850.0	3.813	34.934	269.6	3.662					
1900.0	3.752	34.930	270.6	3.598					
1950.0	3.701	34.928	270.9	3.543					
2000.0	3.664	34.927	271.3	3.502					
2050.0	3.616	34.925	271.6	3.450					
2100.0	3.555	34.922	272.4	3.385					
2150.0	3.507	34.920	272.9	3.332					
2200.0	3.474	34.920	273.4	3.295					
2250.0	3.437	34.921	273.1	3.254					
2300.0	3.408	34.924	272.9	3.220					
2350.0	3.381	34.926	272.6	3.189					
2400.0	3.298	34.923	273.3	3.102					
2450.0	3.277	34.927	272.3	3.077					
2500.0	3.263	34.932	270.7	3.059					
2550.0	3.243	34.935	269.7	3.034					
2600.0	3.196	34.936	269.1	2.983					
2650.0	3.149	34.935	269.0	2.931					
2700.0	3.118	34.938	268.0	2.895					
2750.0	3.074	34.937	268.3	2.847					
2800.0	3.043	34.939	267.3	2.812					
2850.0	3.011	34.940	265.9	2.776					
2900.0	2.990	34.942	264.4	2.750					
2950.0	2.962	34.942	263.1	2.717					
3000.0	2.933	34.943	261.7	2.684					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 39

Profile	: 40	Cruise	: GEOVIDE (Classic)
Station	: 21	Cast	: 8
Date	: 01/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4523 m	Organism	: CNRS - IFREMER
Position	: N 46 32.64 W 019 40.32		

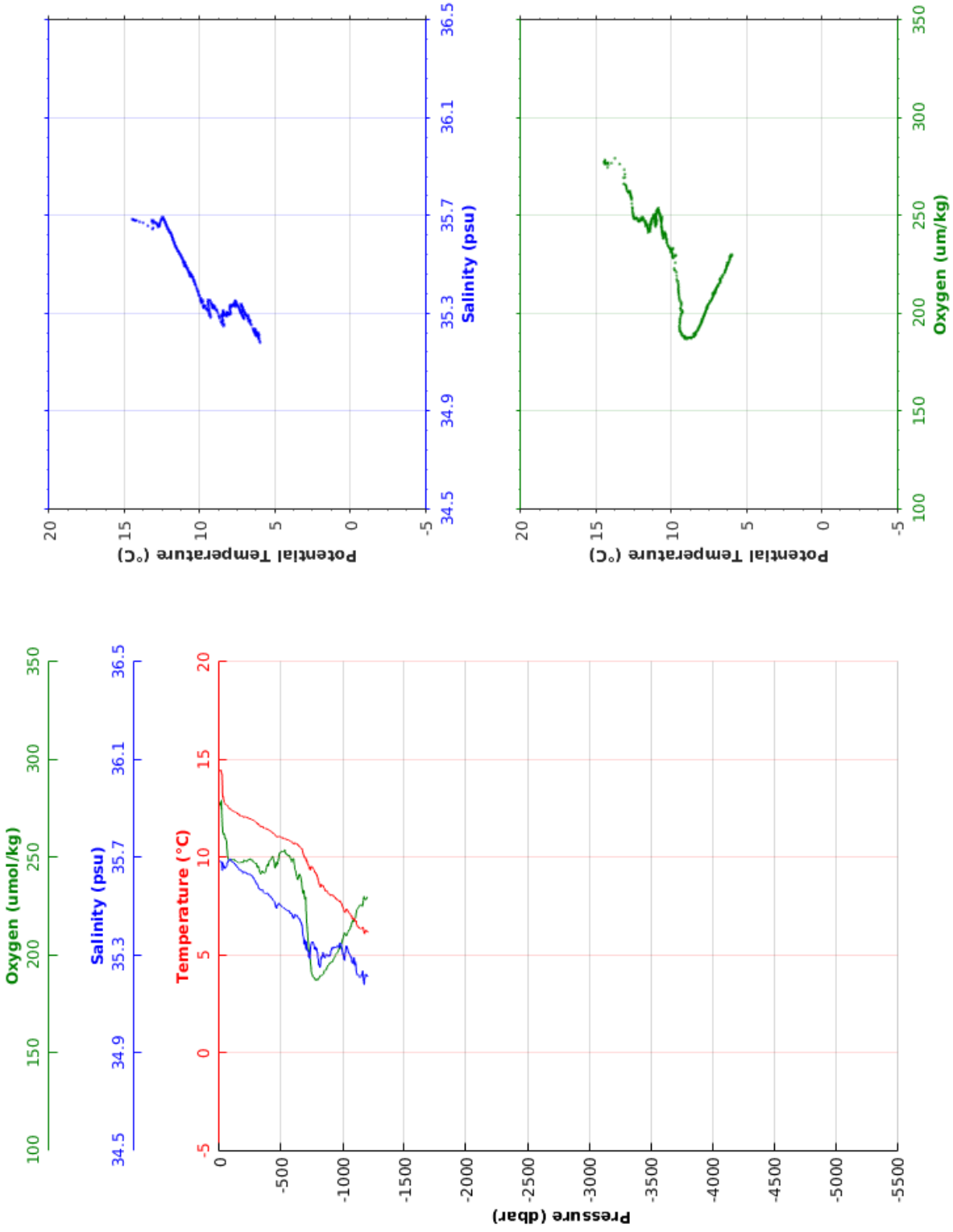
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.628	35.694	276.6	14.628	3050.0	2.920	34.942	261.6	2.665
10.0	14.629	35.694	276.8	14.627	3100.0	2.894	34.942	260.4	2.635
20.0	14.460	35.688	276.1	14.457	3150.0	2.880	34.943	258.0	2.616
30.0	13.247	35.675	272.1	13.243	3200.0	2.854	34.942	256.7	2.585
40.0	12.846	35.650	265.0	12.841	3250.0	2.818	34.940	255.5	2.545
50.0	12.808	35.658	262.0	12.801	3300.0	2.795	34.939	254.0	2.517
100.0	12.486	35.698	248.2	12.472	3350.0	2.770	34.937	252.7	2.488
150.0	12.263	35.665	247.5	12.243	3400.0	2.746	34.936	251.0	2.458
200.0	12.044	35.638	247.5	12.017	3450.0	2.728	34.934	250.1	2.435
250.0	11.991	35.632	249.0	11.959	3500.0	2.706	34.932	248.9	2.409
300.0	11.777	35.598	244.0	11.738	3550.0	2.685	34.930	247.7	2.382
350.0	11.548	35.563	236.9	11.503	3600.0	2.663	34.928	246.7	2.355
400.0	11.322	35.531	230.9	11.271	3650.0	2.649	34.926	245.9	2.336
450.0	11.103	35.506	236.3	11.047	3700.0	2.636	34.925	245.3	2.318
500.0	11.032	35.503	251.0	10.969	3750.0	2.624	34.923	244.6	2.301
550.0	10.900	35.483	249.9	10.831	3800.0	2.614	34.922	244.0	2.285
600.0	10.628	35.442	242.6	10.554	3850.0	2.599	34.920	243.2	2.265
650.0	10.288	35.393	238.6	10.210	3900.0	2.594	34.919	242.8	2.254
700.0	10.012	35.384	203.7	9.928	3950.0	2.582	34.917	242.2	2.237
750.0	9.848	35.425	188.2	9.759	4000.0	2.572	34.916	241.9	2.221
800.0	8.980	35.312	188.1	8.889	4050.0	2.569	34.915	241.5	2.213
850.0	8.619	35.328	189.6	8.525	4100.0	2.566	34.914	241.3	2.205
900.0	8.139	35.327	195.3	8.042	4150.0	2.564	34.914	241.0	2.197
950.0	7.794	35.330	201.2	7.694	4200.0	2.564	34.913	240.9	2.191
1000.0	7.617	35.361	205.5	7.512	4250.0	2.565	34.912	240.7	2.185
1050.0	7.136	35.307	212.4	7.030	4300.0	2.566	34.912	240.6	2.181
1100.0	6.593	35.237	220.3	6.486	4350.0	2.566	34.911	240.5	2.175
1150.0	6.219	35.192	227.1	6.110	4400.0	2.563	34.911	240.4	2.166
1200.0	5.931	35.166	233.3	5.820	4450.0	2.564	34.910	240.2	2.161
1250.0	5.845	35.172	234.8	5.730	4500.0	2.566	34.909	240.2	2.157
1300.0	5.435	35.113	241.6	5.318	4550.0	2.570	34.909	240.2	2.154
1350.0	5.128	35.071	247.7	5.009	4598.0	2.575	34.909	240.2	2.154
1400.0	4.878	35.041	252.2	4.757					
1450.0	4.713	35.023	255.5	4.589					
1500.0	4.480	34.996	259.8	4.354					
1550.0	4.363	34.984	261.9	4.234					
1600.0	4.285	34.976	263.3	4.152					
1650.0	4.196	34.967	264.5	4.059					
1700.0	4.113	34.959	265.9	3.973					
1750.0	4.027	34.951	267.1	3.883					
1800.0	3.951	34.945	267.8	3.804					
1850.0	3.879	34.939	268.9	3.728					
1900.0	3.798	34.932	269.9	3.643					
1950.0	3.740	34.929	270.5	3.581					
2000.0	3.679	34.928	271.0	3.517					
2050.0	3.641	34.926	271.3	3.474					
2100.0	3.561	34.922	272.1	3.391					
2150.0	3.504	34.920	272.9	3.329					
2200.0	3.479	34.922	273.0	3.300					
2250.0	3.435	34.920	273.3	3.252					
2300.0	3.400	34.921	273.3	3.213					
2350.0	3.372	34.924	273.4	3.180					
2400.0	3.352	34.927	272.3	3.156					
2450.0	3.300	34.924	272.7	3.099					
2500.0	3.261	34.928	271.9	3.056					
2550.0	3.257	34.934	270.0	3.048					
2600.0	3.226	34.937	268.7	3.011					
2650.0	3.177	34.937	268.3	2.959					
2700.0	3.128	34.937	268.4	2.906					
2750.0	3.091	34.939	266.7	2.864					
2800.0	3.053	34.939	267.4	2.821					
2850.0	3.025	34.940	266.4	2.789					
2900.0	2.996	34.941	264.8	2.756					
2950.0	2.950	34.941	263.4	2.706					
3000.0	2.934	34.941	262.8	2.685					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 40

Profile	: 41	Cruise	: GEOVIDE (Classic)
Station	: 21	Cast	: 10
Date	: 01/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4523 m	Organism	: CNRS - IFREMER
Position	: N 46 32.67 W 019 40.35		

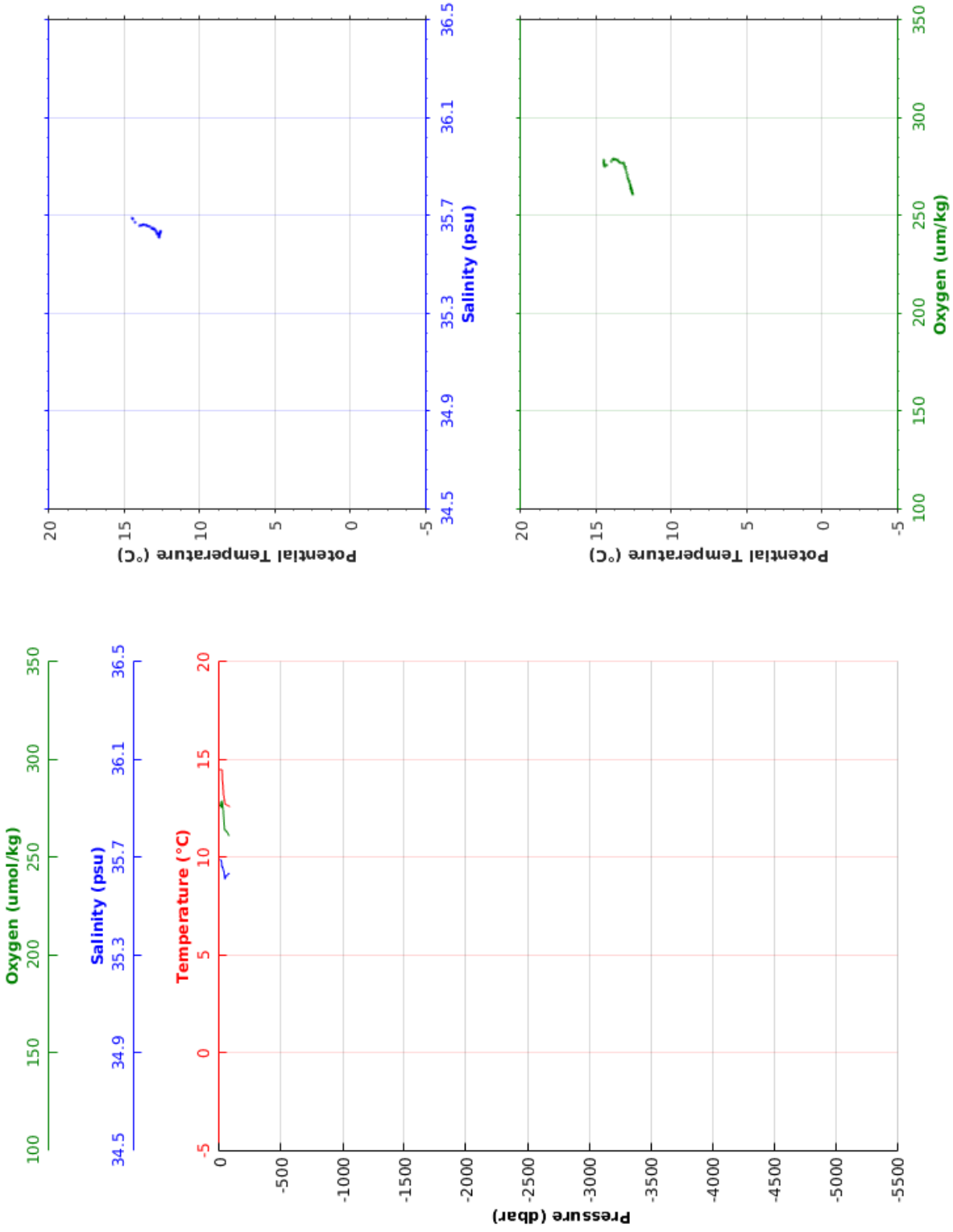
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.415	35.683	278.4	14.415
10.0	14.428	35.683	277.6	14.426
20.0	14.189	35.679	276.1	14.187
30.0	13.062	35.679	265.7	13.057
40.0	12.794	35.658	261.9	12.788
50.0	12.728	35.660	260.1	12.721
100.0	12.409	35.686	248.4	12.396
150.0	12.224	35.660	247.7	12.204
200.0	12.057	35.638	247.6	12.031
250.0	11.967	35.630	249.0	11.934
300.0	11.760	35.593	246.9	11.721
350.0	11.567	35.567	242.6	11.521
400.0	11.397	35.546	246.3	11.346
450.0	11.168	35.517	247.7	11.111
500.0	11.031	35.504	252.4	10.968
550.0	10.891	35.482	251.8	10.822
600.0	10.725	35.458	248.9	10.650
650.0	10.554	35.449	240.5	10.473
700.0	9.973	35.353	228.3	9.889
750.0	9.524	35.351	192.5	9.437
800.0	8.866	35.301	187.4	8.777
850.0	8.418	35.294	190.4	8.326
900.0	8.066	35.296	195.5	7.970
950.0	7.858	35.333	200.0	7.758
1000.0	7.443	35.313	206.6	7.340
1050.0	7.160	35.310	211.9	7.053
1100.0	6.720	35.259	218.6	6.612
1150.0	6.335	35.209	225.7	6.226
1200.0	6.207	35.218	228.9	6.093
1204.0	6.149	35.211	229.8	6.036


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 41

Profile	: 42	Cruise	: GEOVIDE (Classic)
Station	: 21	Cast	: 12
Date	: 01/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4523 m	Organism	: CNRS - IFREMER
Position	: N 46 32.67 W 019 40.35		

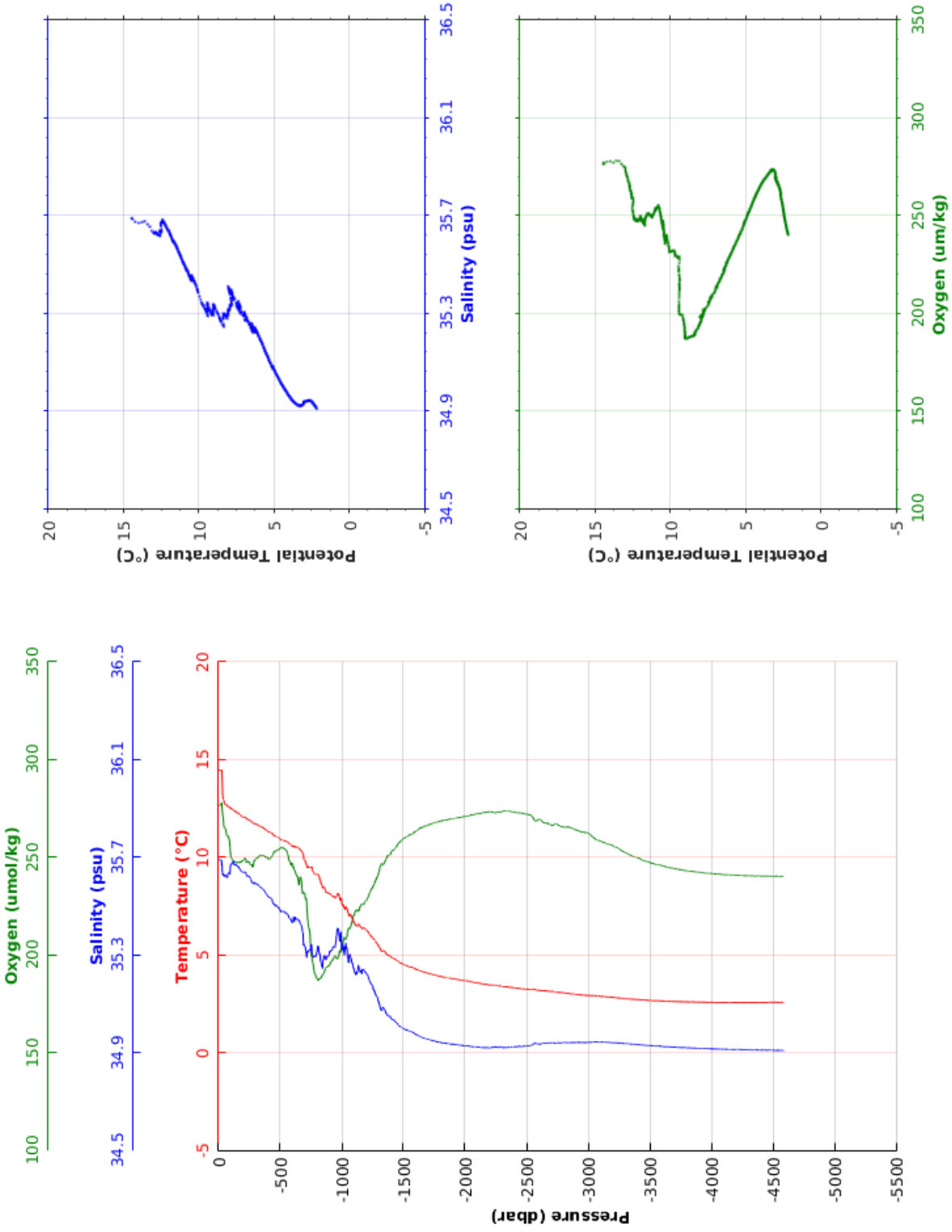
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.480	35.688	277.9	14.480
10.0	14.483	35.688	276.9	14.482
20.0	14.457	35.686	275.8	14.454
30.0	13.511	35.659	277.8	13.506
40.0	12.930	35.638	270.8	12.924
50.0	12.687	35.612	263.8	12.680
83.0	12.587	35.634	260.9	12.576


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 42

Profile	: 43	Cruise	: GEOVIDE (Classic)
Station	: 21	Cast	: 14
Date	: 01/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4515 m	Organism	: CNRS - IFREMER
Position	: N 46 32.65 W 019 40.33		

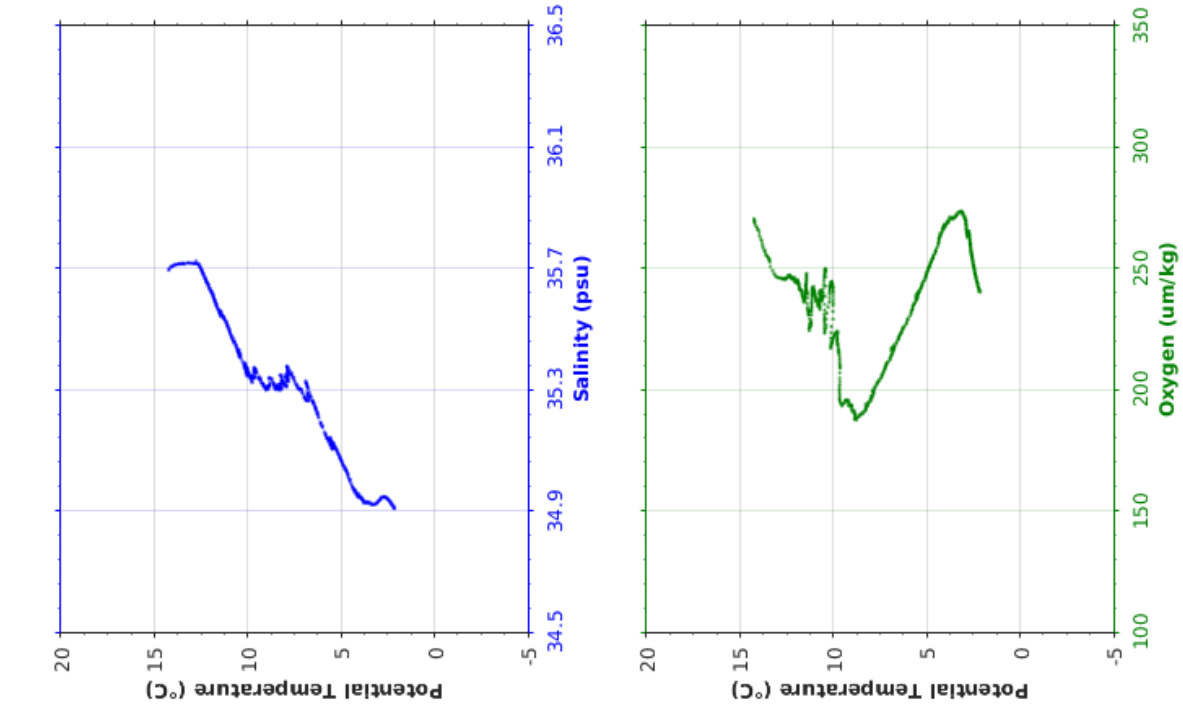
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.455	35.689	276.6	14.455	3050.0	2.909	34.943	259.9	2.655
10.0	14.457	35.689	276.4	14.455	3100.0	2.882	34.943	258.2	2.623
20.0	14.456	35.689	276.9	14.453	3150.0	2.846	34.941	256.9	2.583
30.0	13.787	35.673	277.0	13.783	3200.0	2.822	34.940	256.2	2.554
40.0	12.933	35.627	271.3	12.928	3250.0	2.792	34.939	254.4	2.519
50.0	12.723	35.622	265.6	12.716	3300.0	2.762	34.937	252.6	2.485
100.0	12.534	35.664	253.9	12.521	3350.0	2.731	34.934	250.9	2.449
150.0	12.279	35.664	247.3	12.259	3400.0	2.715	34.933	249.9	2.428
200.0	12.058	35.639	248.2	12.032	3450.0	2.686	34.930	248.4	2.395
250.0	11.909	35.623	248.0	11.876	3500.0	2.667	34.929	247.3	2.370
300.0	11.699	35.591	248.3	11.660	3550.0	2.654	34.927	246.3	2.352
350.0	11.553	35.576	250.7	11.507	3600.0	2.640	34.926	245.7	2.333
400.0	11.332	35.543	250.0	11.281	3650.0	2.620	34.923	244.9	2.308
450.0	11.113	35.510	252.0	11.056	3700.0	2.608	34.922	244.2	2.291
500.0	10.930	35.486	254.1	10.867	3750.0	2.599	34.921	243.8	2.277
550.0	10.809	35.472	253.8	10.741	3800.0	2.593	34.919	243.2	2.265
600.0	10.559	35.433	247.2	10.485	3850.0	2.584	34.918	242.8	2.250
650.0	10.486	35.445	238.7	10.406	3900.0	2.580	34.918	242.2	2.241
700.0	9.858	35.340	231.7	9.775	3950.0	2.574	34.916	241.9	2.229
750.0	9.502	35.330	207.6	9.415	4000.0	2.568	34.915	241.7	2.217
800.0	9.124	35.310	188.2	9.033	4050.0	2.563	34.914	241.4	2.207
850.0	8.471	35.276	189.8	8.378	4100.0	2.560	34.913	241.2	2.198
900.0	8.132	35.297	194.7	8.035	4150.0	2.562	34.913	240.9	2.195
950.0	7.907	35.336	199.5	7.807	4200.0	2.559	34.912	240.8	2.185
1000.0	7.704	35.359	202.9	7.600	4250.0	2.559	34.911	240.6	2.180
1050.0	7.131	35.289	211.0	7.025	4300.0	2.559	34.911	240.5	2.174
1100.0	6.651	35.243	219.7	6.544	4350.0	2.561	34.911	240.4	2.170
1150.0	6.435	35.232	224.0	6.325	4400.0	2.563	34.910	240.3	2.166
1200.0	6.267	35.226	227.7	6.152	4450.0	2.564	34.910	240.4	2.161
1250.0	5.900	35.176	233.8	5.783	4500.0	2.567	34.909	240.3	2.158
1300.0	5.443	35.109	241.2	5.326	4550.0	2.568	34.909	240.3	2.153
1350.0	5.157	35.076	247.0	5.039	4590.0	2.573	34.909	240.3	2.153
1400.0	4.899	35.043	251.7	4.779					
1450.0	4.703	35.020	255.6	4.579					
1500.0	4.523	35.000	259.1	4.397					
1550.0	4.397	34.987	261.3	4.268					
1600.0	4.273	34.975	263.1	4.141					
1650.0	4.155	34.963	265.0	4.019					
1700.0	4.058	34.955	266.4	3.918					
1750.0	3.983	34.948	267.7	3.840					
1800.0	3.906	34.942	268.4	3.759					
1850.0	3.842	34.937	269.1	3.691					
1900.0	3.781	34.934	269.7	3.627					
1950.0	3.730	34.931	270.3	3.571					
2000.0	3.677	34.928	270.9	3.515					
2050.0	3.617	34.924	271.6	3.450					
2100.0	3.562	34.923	272.1	3.392					
2150.0	3.506	34.920	272.8	3.331					
2200.0	3.460	34.920	273.2	3.282					
2250.0	3.434	34.922	272.7	3.251					
2300.0	3.403	34.922	273.0	3.216					
2350.0	3.353	34.921	273.5	3.162					
2400.0	3.316	34.923	273.2	3.120					
2450.0	3.277	34.925	272.6	3.077					
2500.0	3.242	34.926	272.1	3.037					
2550.0	3.226	34.932	270.7	3.017					
2600.0	3.181	34.934	269.3	2.967					
2650.0	3.158	34.938	267.6	2.941					
2700.0	3.132	34.940	266.8	2.909					
2750.0	3.086	34.939	267.0	2.860					
2800.0	3.059	34.941	265.6	2.828					
2850.0	3.017	34.941	265.3	2.782					
2900.0	2.981	34.941	263.9	2.741					
2950.0	2.946	34.942	263.0	2.702					
3000.0	2.922	34.941	262.4	2.673					

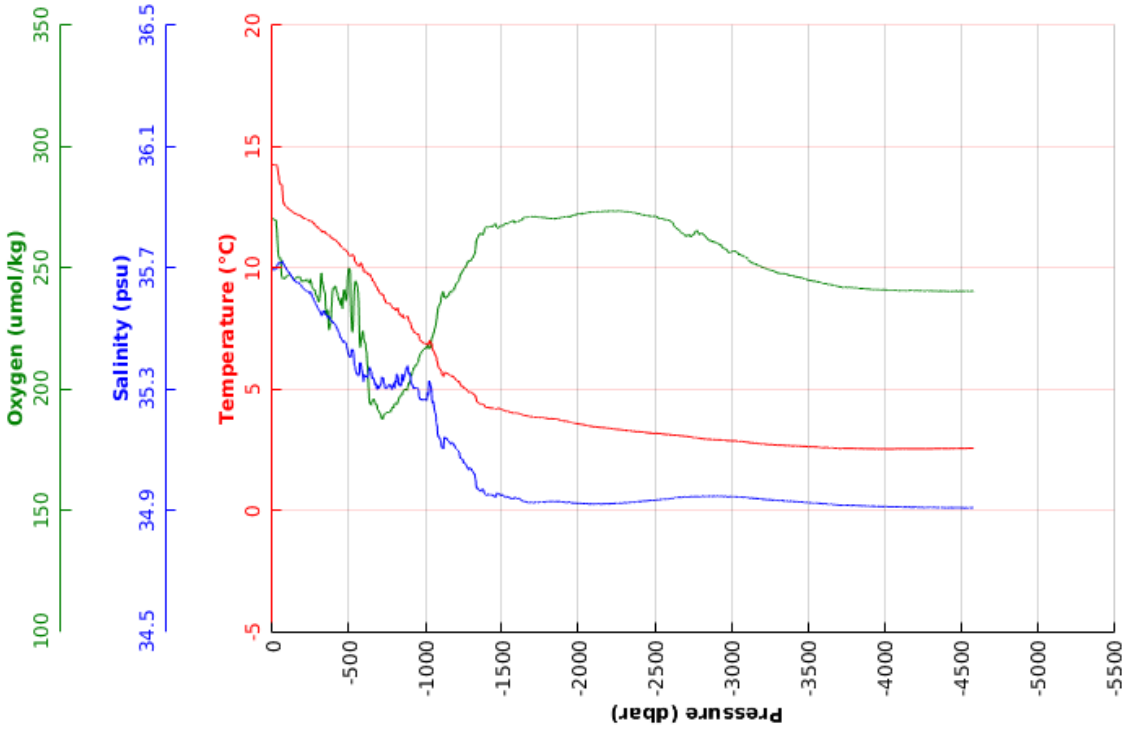

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 43

Profile : 44	Cruise : GEOVIDE (Classic)
Station : 22	Cast : 1
Date : 02/06/2014	Ship : N/O Pourquoi pas ?
Depth : 4512 m	Organism : CNRS - IFREMER
Position : N 47 17.39 W 020 15.71	

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	14.242	35.695	270.4	14.241	3050.0	2.845	34.944	255.7	2.592
10.0	14.243	35.695	270.2	14.242	3100.0	2.816	34.942	254.3	2.559
20.0	14.242	35.695	269.8	14.239	3150.0	2.776	34.940	251.7	2.514
30.0	14.216	35.697	269.5	14.211	3200.0	2.737	34.937	250.4	2.471
40.0	13.814	35.714	259.9	13.808	3250.0	2.714	34.935	249.2	2.443
50.0	13.464	35.716	254.1	13.457	3300.0	2.686	34.932	248.1	2.410
100.0	12.462	35.692	246.5	12.449	3350.0	2.675	34.931	247.5	2.394
150.0	12.234	35.657	245.8	12.214	3400.0	2.657	34.929	246.8	2.371
200.0	12.074	35.635	244.6	12.047	3450.0	2.645	34.928	246.0	2.354
250.0	11.940	35.620	244.7	11.907	3500.0	2.621	34.925	245.1	2.326
300.0	11.637	35.567	237.5	11.598	3550.0	2.609	34.924	244.4	2.308
350.0	11.428	35.545	239.5	11.383	3600.0	2.587	34.921	243.7	2.281
400.0	11.182	35.519	240.6	11.132	3650.0	2.575	34.920	243.2	2.264
450.0	10.890	35.472	235.0	10.834	3700.0	2.552	34.917	242.4	2.236
500.0	10.524	35.414	247.7	10.463	3750.0	2.549	34.917	242.0	2.228
550.0	10.165	35.358	244.6	10.099	3800.0	2.548	34.916	241.8	2.221
600.0	9.847	35.334	222.6	9.776	3850.0	2.541	34.915	241.4	2.209
650.0	9.605	35.359	193.3	9.530	3900.0	2.536	34.914	241.2	2.198
700.0	8.976	35.304	191.2	8.897	3950.0	2.530	34.913	241.1	2.186
750.0	8.534	35.302	190.1	8.452	4000.0	2.531	34.912	241.0	2.182
800.0	8.316	35.314	192.9	8.229	4050.0	2.530	34.911	240.7	2.175
850.0	8.069	35.345	197.3	7.979	4100.0	2.533	34.911	240.6	2.172
900.0	7.759	35.354	202.7	7.665	4150.0	2.534	34.911	240.6	2.167
950.0	7.257	35.302	210.2	7.161	4200.0	2.535	34.910	240.6	2.163
1000.0	6.874	35.266	216.6	6.776	4250.0	2.534	34.910	240.5	2.155
1050.0	6.592	35.256	221.3	6.491	4300.0	2.537	34.909	240.5	2.153
1100.0	5.804	35.135	234.9	5.704	4350.0	2.541	34.909	240.4	2.150
1150.0	5.607	35.129	238.4	5.503	4400.0	2.544	34.909	240.5	2.147
1200.0	5.377	35.104	242.5	5.271	4450.0	2.545	34.908	240.4	2.142
1250.0	5.090	35.066	248.6	4.982	4500.0	2.553	34.908	240.4	2.144
1300.0	4.864	35.037	252.9	4.753	4550.0	2.556	34.908	240.4	2.141
1350.0	4.426	34.968	262.9	4.315	4586.0	2.561	34.908	240.5	2.141
1400.0	4.239	34.949	266.8	4.126					
1450.0	4.186	34.947	267.4	4.068					
1500.0	4.158	34.951	267.2	4.036					
1550.0	4.067	34.943	268.4	3.941					
1600.0	4.009	34.941	268.9	3.879					
1650.0	3.910	34.929	270.7	3.777					
1700.0	3.856	34.926	271.1	3.719					
1750.0	3.824	34.927	270.9	3.683					
1800.0	3.782	34.929	270.6	3.637					
1850.0	3.768	34.929	270.5	3.618					
1900.0	3.684	34.927	271.0	3.531					
1950.0	3.632	34.926	271.1	3.475					
2000.0	3.559	34.922	272.2	3.398					
2050.0	3.513	34.921	272.5	3.348					
2100.0	3.447	34.921	273.1	3.279					
2150.0	3.420	34.921	273.3	3.247					
2200.0	3.385	34.922	273.3	3.207					
2250.0	3.341	34.923	273.3	3.160					
2300.0	3.305	34.924	273.3	3.119					
2350.0	3.268	34.926	273.0	3.078					
2400.0	3.239	34.929	272.3	3.044					
2450.0	3.202	34.931	271.6	3.004					
2500.0	3.177	34.933	271.2	2.973					
2550.0	3.148	34.935	270.3	2.941					
2600.0	3.113	34.938	269.5	2.901					
2650.0	3.088	34.942	266.1	2.871					
2700.0	3.056	34.944	263.5	2.835					
2750.0	3.013	34.945	263.3	2.788					
2800.0	2.957	34.946	264.1	2.727					
2850.0	2.929	34.946	261.8	2.695					
2900.0	2.911	34.946	260.6	2.673					
2950.0	2.890	34.945	257.9	2.647					
3000.0	2.865	34.945	256.5	2.617					

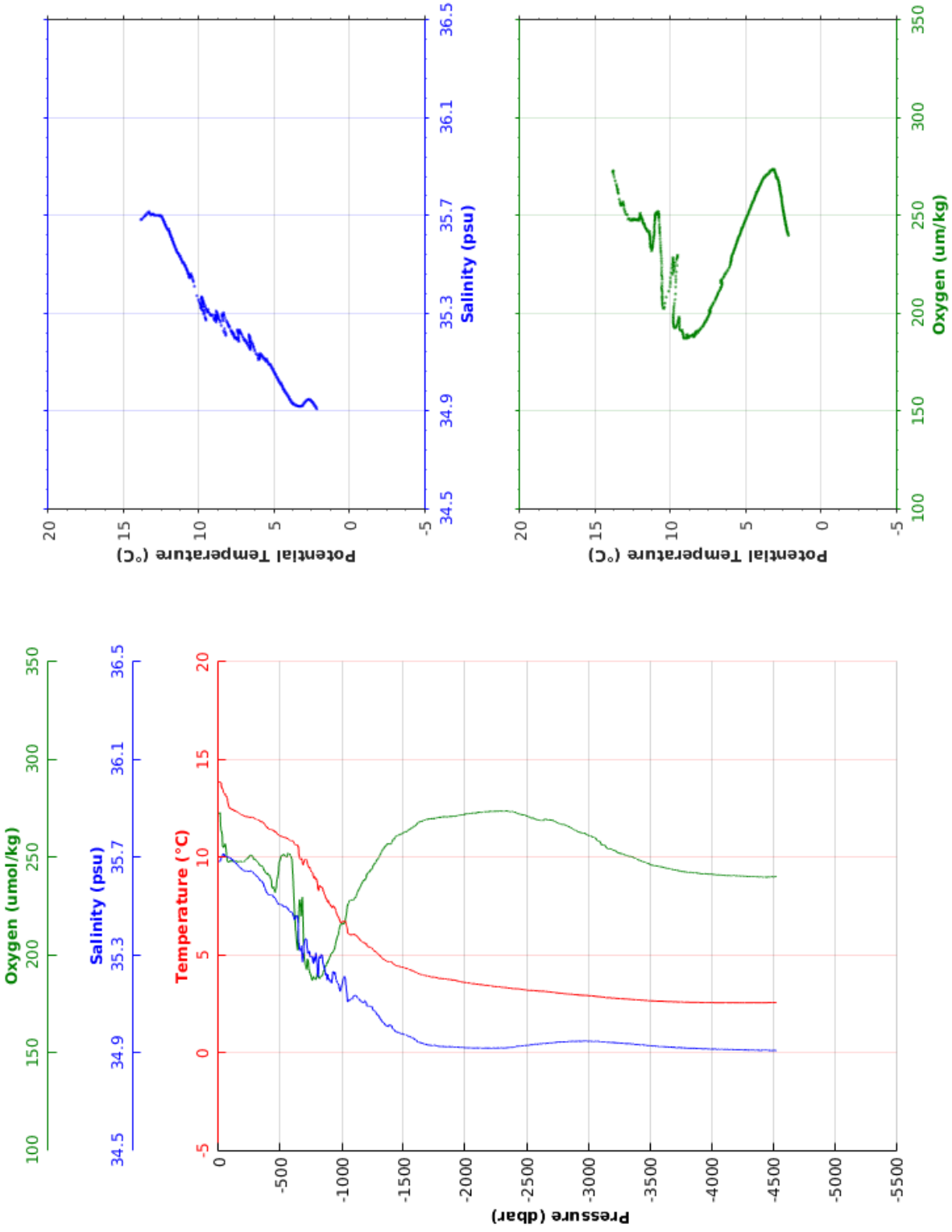

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 44

Profile	: 45	Cruise	: GEOVIDE (Classic)
Station	: 23	Cast	: 1
Date	: 02/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4457 m	Organism	: CNRS - IFREMER
Position	: N 48 2.34 W 020 50.85		

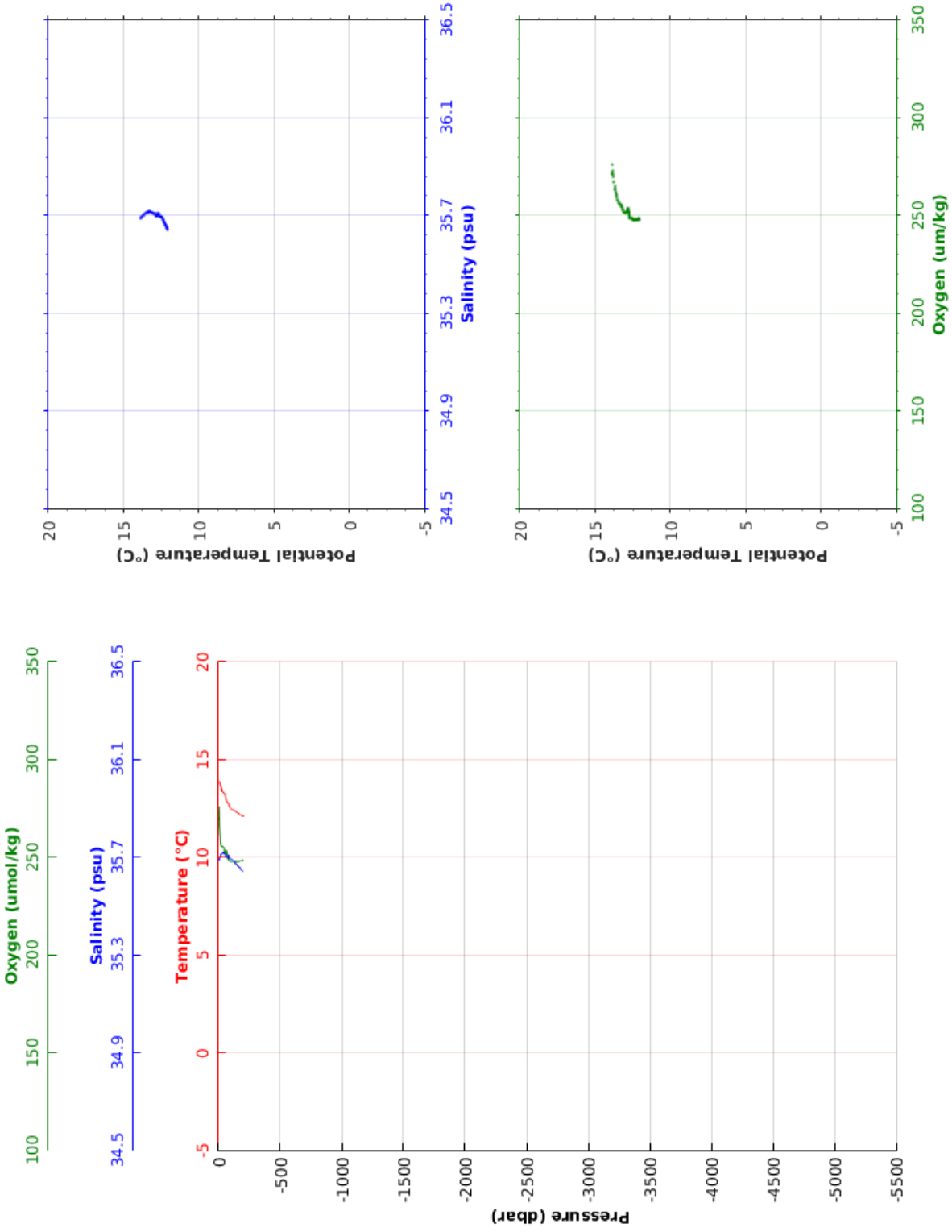
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	13.840	35.682	272.3	13.840	3050.0	2.887	34.946	260.2	2.633
10.0	13.833	35.683	272.4	13.831	3100.0	2.850	34.944	257.8	2.592
20.0	13.787	35.685	271.0	13.784	3150.0	2.810	34.942	255.3	2.547
30.0	13.505	35.703	263.0	13.501	3200.0	2.791	34.941	253.7	2.524
40.0	13.314	35.714	255.6	13.308	3250.0	2.764	34.939	252.1	2.492
50.0	13.265	35.709	255.4	13.258	3300.0	2.743	34.937	251.2	2.466
100.0	12.480	35.696	248.3	12.466	3350.0	2.725	34.935	250.4	2.443
150.0	12.320	35.674	248.1	12.300	3400.0	2.696	34.933	249.0	2.410
200.0	12.134	35.647	247.6	12.107	3450.0	2.679	34.931	247.7	2.387
250.0	12.052	35.642	249.9	12.019	3500.0	2.656	34.928	246.6	2.359
300.0	11.966	35.630	249.0	11.927	3550.0	2.636	34.926	245.6	2.335
350.0	11.819	35.604	245.7	11.773	3600.0	2.624	34.925	245.1	2.318
400.0	11.498	35.551	241.3	11.446	3650.0	2.607	34.923	244.2	2.296
450.0	11.353	35.538	234.8	11.295	3700.0	2.595	34.921	243.5	2.278
500.0	11.075	35.505	247.9	11.012	3750.0	2.584	34.919	242.9	2.262
550.0	10.993	35.498	250.6	10.923	3800.0	2.575	34.918	242.3	2.247
600.0	10.834	35.473	249.1	10.759	3850.0	2.572	34.917	242.1	2.239
650.0	10.361	35.410	208.2	10.282	3900.0	2.567	34.916	241.8	2.228
700.0	9.869	35.352	200.0	9.786	3950.0	2.560	34.915	241.5	2.216
750.0	9.290	35.294	190.2	9.204	4000.0	2.558	34.914	241.3	2.208
800.0	8.734	35.278	188.4	8.645	4050.0	2.554	34.914	241.0	2.199
850.0	8.239	35.265	190.3	8.148	4100.0	2.552	34.913	240.8	2.190
900.0	7.624	35.200	197.5	7.531	4150.0	2.551	34.912	240.7	2.184
950.0	7.295	35.218	204.2	7.199	4200.0	2.551	34.912	240.5	2.178
1000.0	6.657	35.165	215.9	6.560	4250.0	2.552	34.911	240.4	2.173
1050.0	6.112	35.109	224.8	6.014	4300.0	2.550	34.910	240.1	2.165
1100.0	6.057	35.132	228.1	5.955	4350.0	2.551	34.910	240.0	2.161
1150.0	5.761	35.112	234.3	5.656	4400.0	2.553	34.909	239.9	2.156
1200.0	5.558	35.106	239.2	5.450	4450.0	2.556	34.909	239.9	2.153
1250.0	5.310	35.084	243.9	5.199	4500.0	2.559	34.909	239.9	2.150
1300.0	5.023	35.051	249.4	4.910	4530.0	2.561	34.908	240.0	2.148
1350.0	4.748	35.018	254.8	4.634					
1400.0	4.641	35.012	256.8	4.523					
1450.0	4.437	34.984	261.0	4.317					
1500.0	4.364	34.977	262.2	4.240					
1550.0	4.243	34.966	264.1	4.115					
1600.0	4.118	34.953	266.1	3.987					
1650.0	3.988	34.939	268.3	3.854					
1700.0	3.912	34.932	269.4	3.775					
1750.0	3.855	34.930	269.9	3.714					
1800.0	3.795	34.925	270.5	3.650					
1850.0	3.759	34.924	270.6	3.609					
1900.0	3.716	34.923	271.0	3.562					
1950.0	3.648	34.921	271.3	3.490					
2000.0	3.587	34.920	272.0	3.426					
2050.0	3.543	34.919	272.3	3.377					
2100.0	3.500	34.919	272.8	3.330					
2150.0	3.458	34.918	273.1	3.284					
2200.0	3.425	34.918	273.3	3.247					
2250.0	3.376	34.918	273.5	3.194					
2300.0	3.347	34.919	273.7	3.161					
2350.0	3.305	34.920	273.6	3.115					
2400.0	3.266	34.923	273.3	3.071					
2450.0	3.249	34.927	272.0	3.049					
2500.0	3.201	34.930	271.2	2.997					
2550.0	3.175	34.932	270.1	2.967					
2600.0	3.146	34.935	269.1	2.934					
2650.0	3.126	34.937	269.4	2.909					
2700.0	3.094	34.939	269.0	2.872					
2750.0	3.050	34.942	267.8	2.824					
2800.0	3.021	34.944	266.7	2.791					
2850.0	2.995	34.945	265.6	2.760					
2900.0	2.964	34.946	263.8	2.724					
2950.0	2.933	34.946	262.5	2.689					
3000.0	2.919	34.946	261.3	2.670					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 45

Profile	: 46	Cruise	: GEOVIDE (Classic)
Station	: 23	Cast	: 3
Date	: 02/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4457 m	Organism	: CNRS - IFREMER
Position	: N 48 2.34 W 020 50.85		

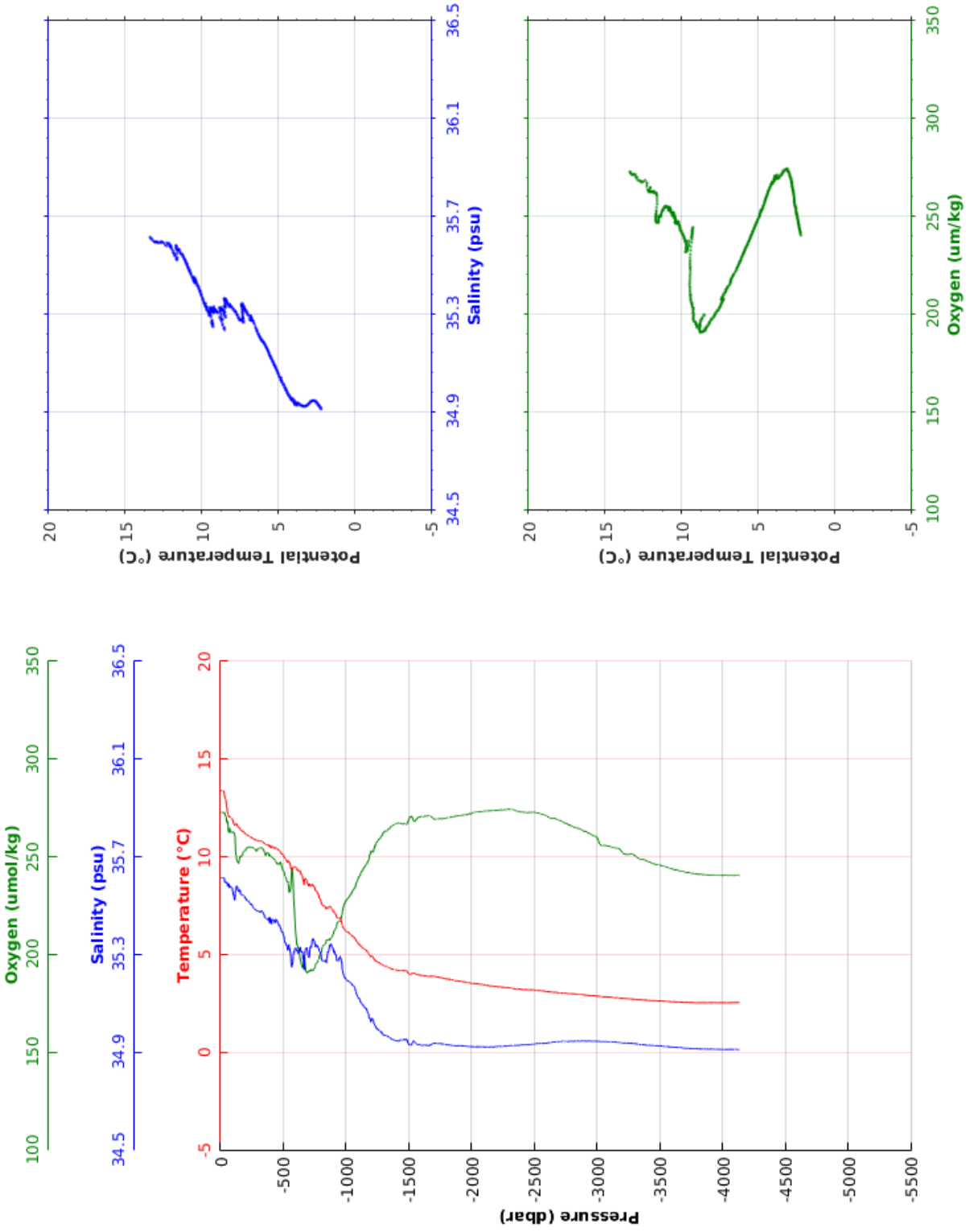
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	13.877	35.688	271.0	13.877
10.0	13.834	35.690	272.8	13.832
20.0	13.585	35.707	260.7	13.582
30.0	13.353	35.712	255.5	13.349
40.0	13.292	35.719	255.4	13.287
50.0	13.239	35.715	254.4	13.232
100.0	12.496	35.696	247.6	12.482
150.0	12.293	35.670	247.8	12.273
200.0	12.104	35.645	248.3	12.078
204.0	12.090	35.642	247.8	12.063


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 46

Profile	: 47	Cruise	: GEOVIDE (Classic)
Station	: 24	Cast	: 1
Date	: 03/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4072 m	Organism	: CNRS - IFREMER
Position	: N 48 47.13 W 021 25.93		

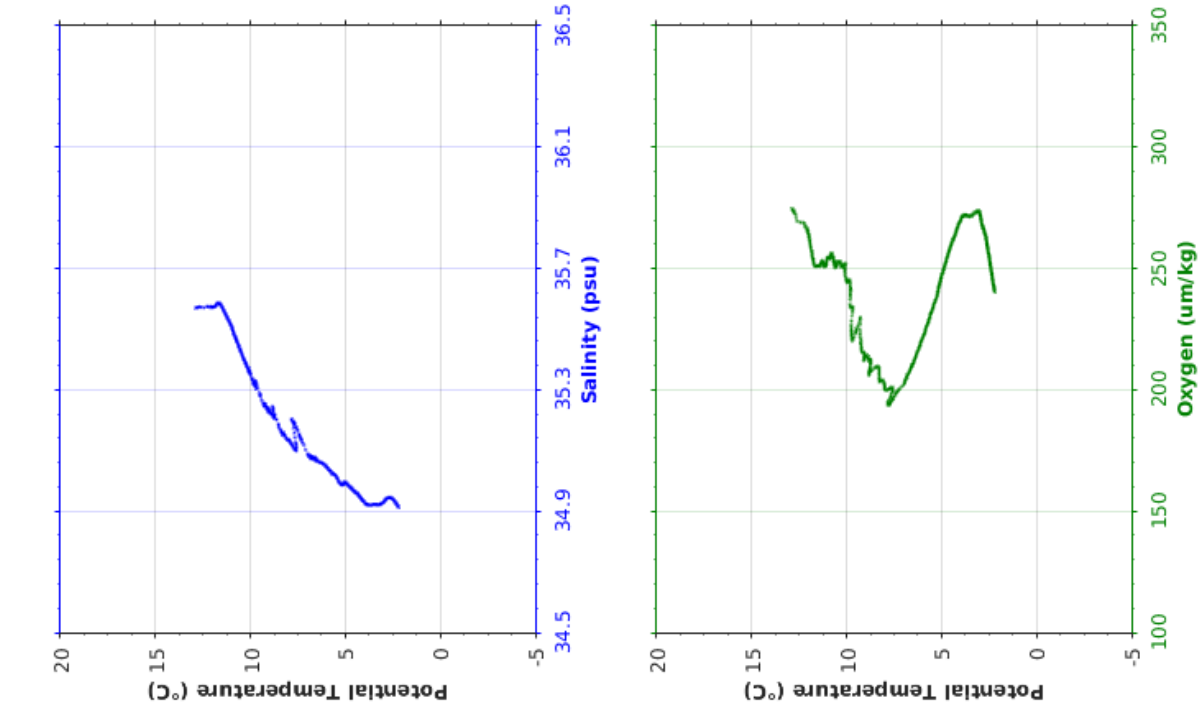
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	13.369	35.614	272.8	13.369	3050.0	2.840	34.944	255.8	2.587
10.0	13.366	35.614	272.7	13.365	3100.0	2.819	34.943	255.3	2.562
20.0	13.360	35.613	272.8	13.357	3150.0	2.783	34.941	254.5	2.521
30.0	13.230	35.605	271.2	13.225	3200.0	2.749	34.938	252.4	2.483
40.0	12.934	35.594	269.7	12.928	3250.0	2.735	34.937	251.2	2.464
50.0	12.564	35.592	267.5	12.557	3300.0	2.705	34.934	250.7	2.429
100.0	11.799	35.546	262.0	11.786	3350.0	2.677	34.932	248.5	2.396
150.0	11.494	35.564	249.9	11.475	3400.0	2.652	34.929	247.7	2.367
200.0	11.163	35.527	254.2	11.138	3450.0	2.639	34.927	246.4	2.348
250.0	10.973	35.500	254.7	10.942	3500.0	2.625	34.926	245.7	2.329
300.0	10.831	35.478	254.3	10.794	3550.0	2.603	34.923	244.8	2.302
350.0	10.658	35.452	251.6	10.615	3600.0	2.579	34.921	243.7	2.274
400.0	10.478	35.430	249.9	10.430	3650.0	2.561	34.918	243.0	2.251
450.0	10.426	35.437	246.4	10.371	3700.0	2.547	34.917	242.2	2.232
500.0	10.068	35.377	242.6	10.009	3750.0	2.536	34.915	241.6	2.216
550.0	9.710	35.325	232.2	9.646	3800.0	2.529	34.914	241.1	2.202
600.0	9.457	35.325	207.6	9.388	3850.0	2.529	34.913	240.8	2.197
650.0	9.061	35.311	193.3	8.988	3900.0	2.527	34.913	240.7	2.189
700.0	8.580	35.297	191.2	8.504	3950.0	2.527	34.912	240.6	2.184
750.0	8.385	35.344	193.8	8.304	4000.0	2.528	34.912	240.6	2.179
800.0	7.735	35.295	201.4	7.652	4050.0	2.531	34.911	240.4	2.176
850.0	7.400	35.298	207.4	7.314	4100.0	2.534	34.911	240.4	2.174
900.0	7.182	35.309	211.7	7.092	4135.0	2.538	34.911	240.4	2.173
950.0	6.883	35.293	217.1	6.790					
1000.0	6.210	35.198	227.6	6.117					
1050.0	5.947	35.174	232.7	5.851					
1100.0	5.555	35.121	239.8	5.457					
1150.0	5.273	35.083	245.2	5.172					
1200.0	4.888	35.030	253.1	4.786					
1250.0	4.624	34.995	258.2	4.520					
1300.0	4.429	34.970	262.7	4.323					
1350.0	4.307	34.958	264.9	4.197					
1400.0	4.201	34.947	267.0	4.088					
1450.0	4.171	34.949	266.9	4.053					
1500.0	4.025	34.932	269.6	3.904					
1550.0	4.021	34.939	268.6	3.896					
1600.0	3.920	34.928	270.7	3.792					
1650.0	3.884	34.926	271.0	3.751					
1700.0	3.889	34.937	269.3	3.752					
1750.0	3.825	34.935	269.5	3.684					
1800.0	3.746	34.930	270.0	3.601					
1850.0	3.696	34.928	270.5	3.547					
1900.0	3.631	34.926	271.0	3.479					
1950.0	3.592	34.925	271.3	3.435					
2000.0	3.531	34.923	272.1	3.371					
2050.0	3.493	34.922	273.1	3.328					
2100.0	3.443	34.922	273.5	3.274					
2150.0	3.388	34.921	273.6	3.216					
2200.0	3.356	34.923	274.0	3.179					
2250.0	3.326	34.924	274.1	3.145					
2300.0	3.287	34.926	274.3	3.102					
2350.0	3.242	34.928	273.6	3.053					
2400.0	3.211	34.930	272.9	3.017					
2450.0	3.196	34.931	272.7	2.998					
2500.0	3.179	34.933	272.8	2.975					
2550.0	3.144	34.935	272.0	2.937					
2600.0	3.112	34.937	270.7	2.900					
2650.0	3.066	34.941	269.7	2.850					
2700.0	3.042	34.943	268.7	2.822					
2750.0	3.012	34.944	267.2	2.787					
2800.0	2.986	34.945	265.8	2.756					
2850.0	2.958	34.945	264.6	2.724					
2900.0	2.925	34.945	263.0	2.686					
2950.0	2.901	34.945	261.4	2.657					
3000.0	2.871	34.945	259.9	2.623					

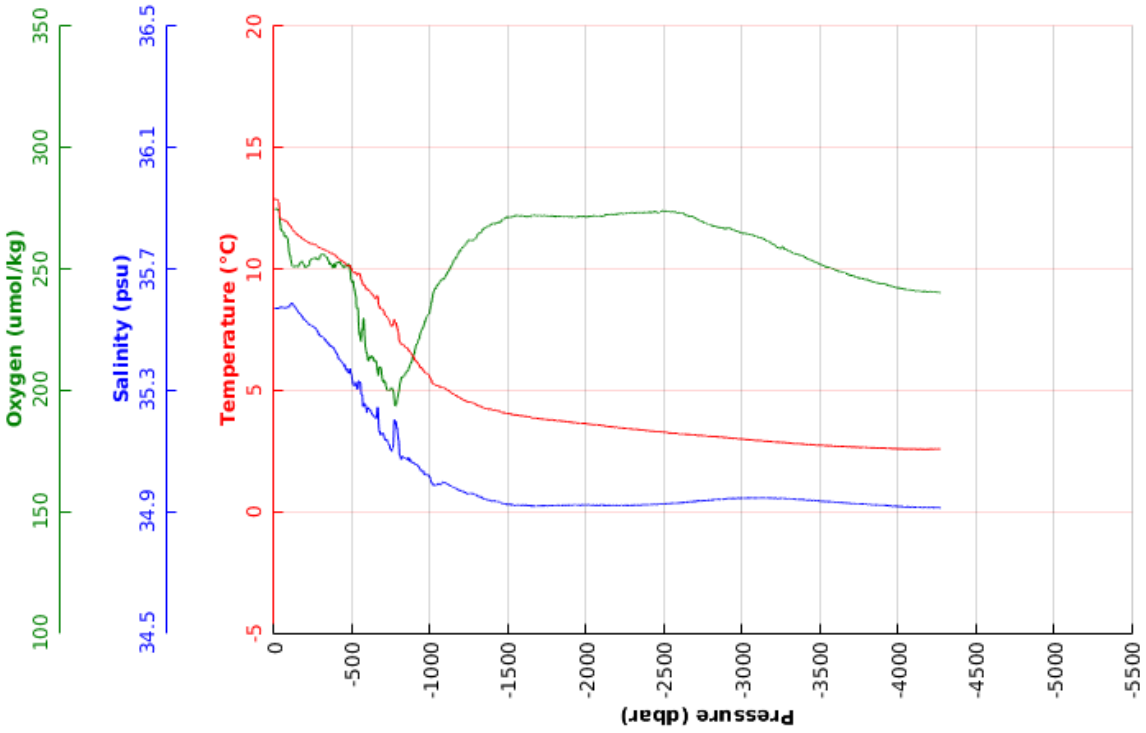

Potential Temperature (°C)
Salinity (psu)
Oxygen (um/kg)
Oxygen (umol/kg)
Temperature (°C)
Pressure (dbar)

Profile : 47

Profile : 48	Cruise : GEOVIDE (Classic)
Station : 25	Cast : 1
Date : 03/06/2014	Ship : N/O Pourquoi pas ?
Depth : 4208 m	Organism : CNRS - IFREMER
Position : N 49 31.75 W 022 1.03	

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	12.877	35.570	274.7	12.877	3050.0	2.958	34.945	264.3	2.703
10.0	12.877	35.570	274.7	12.875	3100.0	2.937	34.945	263.1	2.677
20.0	12.869	35.571	274.5	12.866	3150.0	2.906	34.945	262.0	2.641
30.0	12.763	35.572	272.9	12.759	3200.0	2.879	34.944	260.0	2.610
40.0	12.095	35.572	266.3	12.090	3250.0	2.856	34.944	258.6	2.582
50.0	12.055	35.574	265.3	12.049	3300.0	2.830	34.943	257.4	2.551
100.0	11.829	35.579	255.5	11.816	3350.0	2.803	34.941	256.1	2.519
150.0	11.419	35.561	251.0	11.400	3400.0	2.786	34.940	255.1	2.498
200.0	11.178	35.530	250.8	11.153	3450.0	2.761	34.937	253.6	2.467
250.0	11.026	35.509	254.4	10.995	3500.0	2.737	34.935	251.9	2.438
300.0	10.852	35.477	255.9	10.815	3550.0	2.720	34.933	250.8	2.417
350.0	10.707	35.452	252.3	10.664	3600.0	2.700	34.931	249.5	2.391
400.0	10.524	35.422	253.0	10.476	3650.0	2.687	34.930	248.6	2.373
450.0	10.250	35.378	251.3	10.196	3700.0	2.668	34.928	247.4	2.349
500.0	9.959	35.333	244.9	9.900	3750.0	2.652	34.926	246.3	2.328
550.0	9.790	35.326	221.5	9.726	3800.0	2.643	34.924	245.6	2.314
600.0	9.162	35.243	212.0	9.094	3850.0	2.627	34.922	244.6	2.292
650.0	8.793	35.207	211.8	8.721	3900.0	2.622	34.921	243.9	2.282
700.0	8.305	35.154	203.6	8.230	3950.0	2.606	34.919	243.1	2.261
750.0	7.708	35.102	200.9	7.631	4000.0	2.590	34.917	242.2	2.239
800.0	7.273	35.118	200.5	7.193	4050.0	2.580	34.916	241.6	2.224
850.0	6.770	35.073	207.7	6.688	4100.0	2.577	34.915	241.2	2.215
900.0	6.301	35.058	216.6	6.217	4150.0	2.576	34.914	240.8	2.208
950.0	5.890	35.033	225.7	5.804	4200.0	2.576	34.914	240.6	2.202
1000.0	5.518	35.009	234.4	5.430	4250.0	2.578	34.913	240.5	2.198
1050.0	5.190	34.990	243.9	5.100	4274.0	2.580	34.913	240.4	2.197
1100.0	5.081	34.995	247.4	4.987					
1150.0	4.841	34.980	253.6	4.744					
1200.0	4.656	34.968	258.4	4.557					
1250.0	4.516	34.959	261.9	4.413					
1300.0	4.382	34.950	264.0	4.276					
1350.0	4.265	34.941	266.9	4.156					
1400.0	4.193	34.934	268.8	4.080					
1450.0	4.128	34.931	269.5	4.011					
1500.0	4.041	34.924	271.4	3.920					
1550.0	3.986	34.921	272.1	3.862					
1600.0	3.942	34.922	271.7	3.813					
1650.0	3.877	34.919	272.1	3.745					
1700.0	3.831	34.919	272.2	3.694					
1750.0	3.794	34.919	271.9	3.653					
1800.0	3.764	34.920	271.7	3.619					
1850.0	3.734	34.921	271.7	3.585					
1900.0	3.690	34.922	271.5	3.537					
1950.0	3.649	34.922	271.7	3.491					
2000.0	3.631	34.922	271.6	3.469					
2050.0	3.586	34.921	271.9	3.420					
2100.0	3.558	34.921	271.8	3.388					
2150.0	3.504	34.921	272.4	3.330					
2200.0	3.469	34.921	272.6	3.290					
2250.0	3.434	34.921	273.0	3.251					
2300.0	3.404	34.921	273.2	3.216					
2350.0	3.373	34.922	273.3	3.181					
2400.0	3.335	34.923	273.5	3.139					
2450.0	3.308	34.924	273.6	3.107					
2500.0	3.282	34.926	273.9	3.077					
2550.0	3.242	34.927	273.7	3.033					
2600.0	3.209	34.929	273.3	2.995					
2650.0	3.182	34.932	272.0	2.964					
2700.0	3.158	34.934	271.1	2.935					
2750.0	3.134	34.936	269.4	2.906					
2800.0	3.104	34.938	268.1	2.872					
2850.0	3.085	34.940	267.2	2.848					
2900.0	3.051	34.942	266.7	2.809					
2950.0	3.022	34.944	266.0	2.776					
3000.0	2.992	34.945	264.9	2.742					

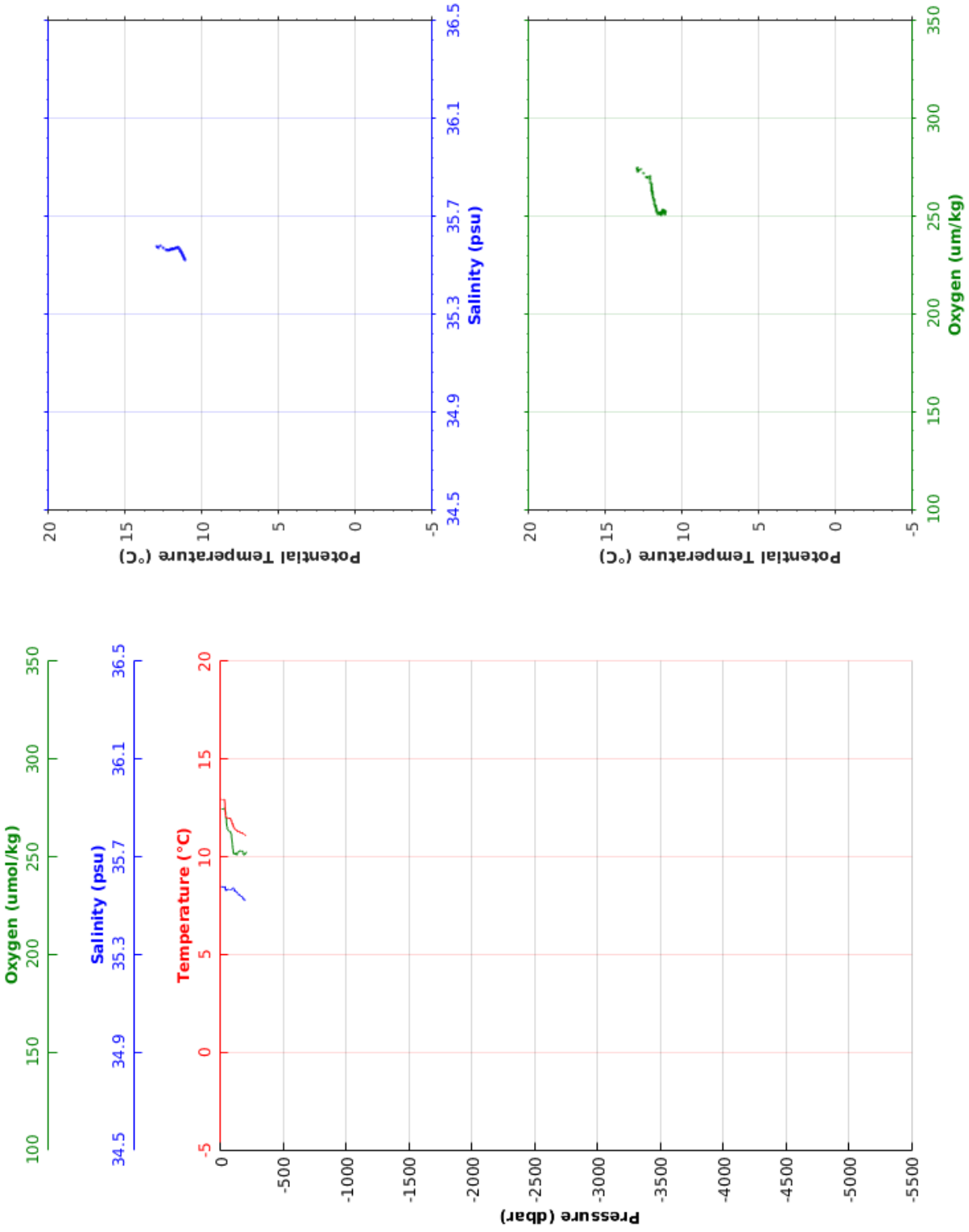

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 48

Profile	: 49	Cruise	: GEOVIDE (Classic)
Station	: 25	Cast	: 3
Date	: 03/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4208 m	Organism	: CNRS - IFREMER
Position	: N 49 31.74 W 022 1.03		

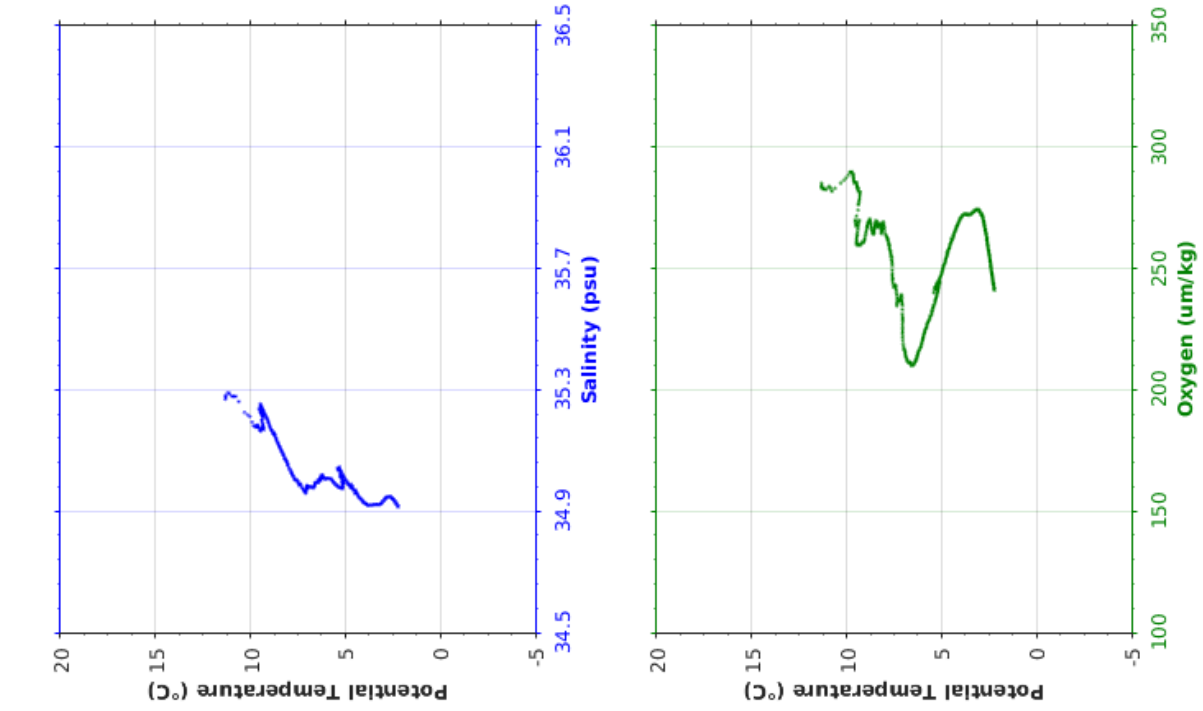
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	12.927	35.577	274.6	12.927
10.0	12.932	35.577	274.4	12.930
20.0	12.930	35.576	274.7	12.927
30.0	12.920	35.576	274.0	12.916
40.0	12.085	35.564	268.9	12.080
50.0	11.983	35.566	264.1	11.977
100.0	11.564	35.573	251.4	11.551
150.0	11.274	35.544	253.2	11.256
200.0	11.111	35.521	252.4	11.086
203.0	11.107	35.520	252.4	11.082

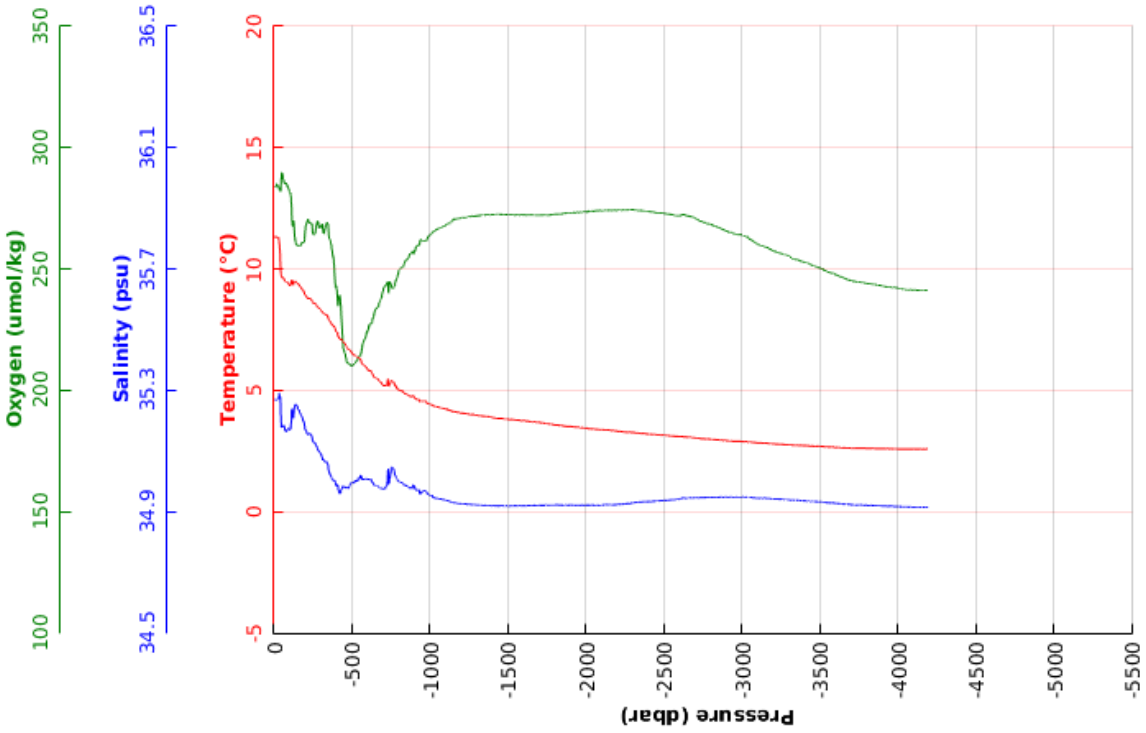

Potential Temperature (°C)
Salinity (psu)
Oxygen (um/kg)
Oxygen (umol/kg)
Temperature (°C)
Pressure (dbar)

Profile : 49

Profile : 50	Cruise : GEOVIDE (Classic)
Station : 26	Cast : 1
Date : 04/06/2014	Ship : N/O Pourquoi pas ?
Depth : 4128 m	Organism : CNRS - IFREMER
Position : N 50 16.65 W 022 36.13	

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	11.317	35.269	283.8	11.317	3050.0	2.866	34.947	262.2	2.613
10.0	11.320	35.269	284.2	11.319	3100.0	2.838	34.945	260.3	2.580
20.0	11.317	35.270	284.0	11.315	3150.0	2.826	34.944	259.2	2.563
30.0	11.283	35.283	282.8	11.280	3200.0	2.796	34.942	257.6	2.528
40.0	10.316	35.226	285.2	10.311	3250.0	2.776	34.941	256.5	2.503
50.0	9.664	35.178	288.8	9.659	3300.0	2.759	34.939	255.3	2.481
100.0	9.306	35.171	281.1	9.295	3350.0	2.740	34.938	253.9	2.458
150.0	9.394	35.239	259.8	9.377	3400.0	2.724	34.936	252.9	2.437
200.0	8.927	35.169	267.8	8.906	3450.0	2.705	34.933	251.6	2.413
250.0	8.610	35.129	264.2	8.583	3500.0	2.692	34.932	250.4	2.395
300.0	8.320	35.088	267.9	8.289	3550.0	2.668	34.929	248.9	2.365
350.0	7.914	35.031	263.0	7.878	3600.0	2.651	34.927	247.7	2.344
400.0	7.419	34.984	240.8	7.380	3650.0	2.631	34.925	246.4	2.319
450.0	6.952	34.978	215.6	6.910	3700.0	2.616	34.923	245.3	2.299
500.0	6.549	34.994	210.3	6.503	3750.0	2.613	34.922	244.6	2.290
550.0	6.314	35.018	214.5	6.264	3800.0	2.609	34.921	244.1	2.280
600.0	5.879	35.007	225.2	5.826	3850.0	2.602	34.920	243.7	2.268
650.0	5.501	34.985	233.6	5.446	3900.0	2.594	34.919	243.1	2.254
700.0	5.211	34.975	242.1	5.152	3950.0	2.592	34.918	242.6	2.247
750.0	5.396	35.046	242.4	5.332	4000.0	2.585	34.917	242.1	2.234
800.0	5.007	34.998	249.7	4.941	4050.0	2.579	34.916	241.5	2.222
850.0	4.847	34.985	253.9	4.777	4100.0	2.580	34.915	241.3	2.218
900.0	4.716	34.981	257.5	4.643	4150.0	2.582	34.915	241.2	2.214
950.0	4.556	34.967	261.5	4.480	4194.0	2.584	34.914	241.2	2.210
1000.0	4.421	34.953	264.4	4.342					
1050.0	4.315	34.943	266.6	4.232					
1100.0	4.230	34.937	268.2	4.144					
1150.0	4.124	34.929	270.4	4.033					
1200.0	4.065	34.926	271.2	3.971					
1250.0	4.015	34.924	271.6	3.917					
1300.0	3.974	34.922	272.0	3.872					
1350.0	3.930	34.920	272.2	3.824					
1400.0	3.881	34.920	272.4	3.772					
1450.0	3.840	34.919	272.5	3.727					
1500.0	3.809	34.919	272.5	3.691					
1550.0	3.781	34.919	272.3	3.659					
1600.0	3.746	34.920	272.3	3.620					
1650.0	3.705	34.920	272.3	3.574					
1700.0	3.682	34.921	272.2	3.547					
1750.0	3.624	34.921	272.2	3.485					
1800.0	3.575	34.922	272.5	3.433					
1850.0	3.543	34.922	272.9	3.397					
1900.0	3.513	34.921	273.1	3.363					
1950.0	3.476	34.921	273.3	3.322					
2000.0	3.442	34.921	273.5	3.283					
2050.0	3.407	34.922	273.8	3.244					
2100.0	3.379	34.922	274.1	3.212					
2150.0	3.359	34.923	274.2	3.187					
2200.0	3.318	34.924	274.2	3.141					
2250.0	3.283	34.926	274.3	3.103					
2300.0	3.265	34.928	274.4	3.080					
2350.0	3.227	34.931	274.2	3.037					
2400.0	3.197	34.933	273.7	3.004					
2450.0	3.173	34.935	273.2	2.975					
2500.0	3.146	34.937	272.9	2.943					
2550.0	3.122	34.939	272.3	2.915					
2600.0	3.097	34.942	272.1	2.886					
2650.0	3.075	34.944	271.9	2.858					
2700.0	3.040	34.945	270.8	2.819					
2750.0	3.006	34.946	269.4	2.780					
2800.0	2.987	34.947	268.5	2.757					
2850.0	2.958	34.948	267.1	2.723					
2900.0	2.927	34.948	265.7	2.688					
2950.0	2.903	34.948	264.6	2.660					
3000.0	2.890	34.948	263.8	2.641					

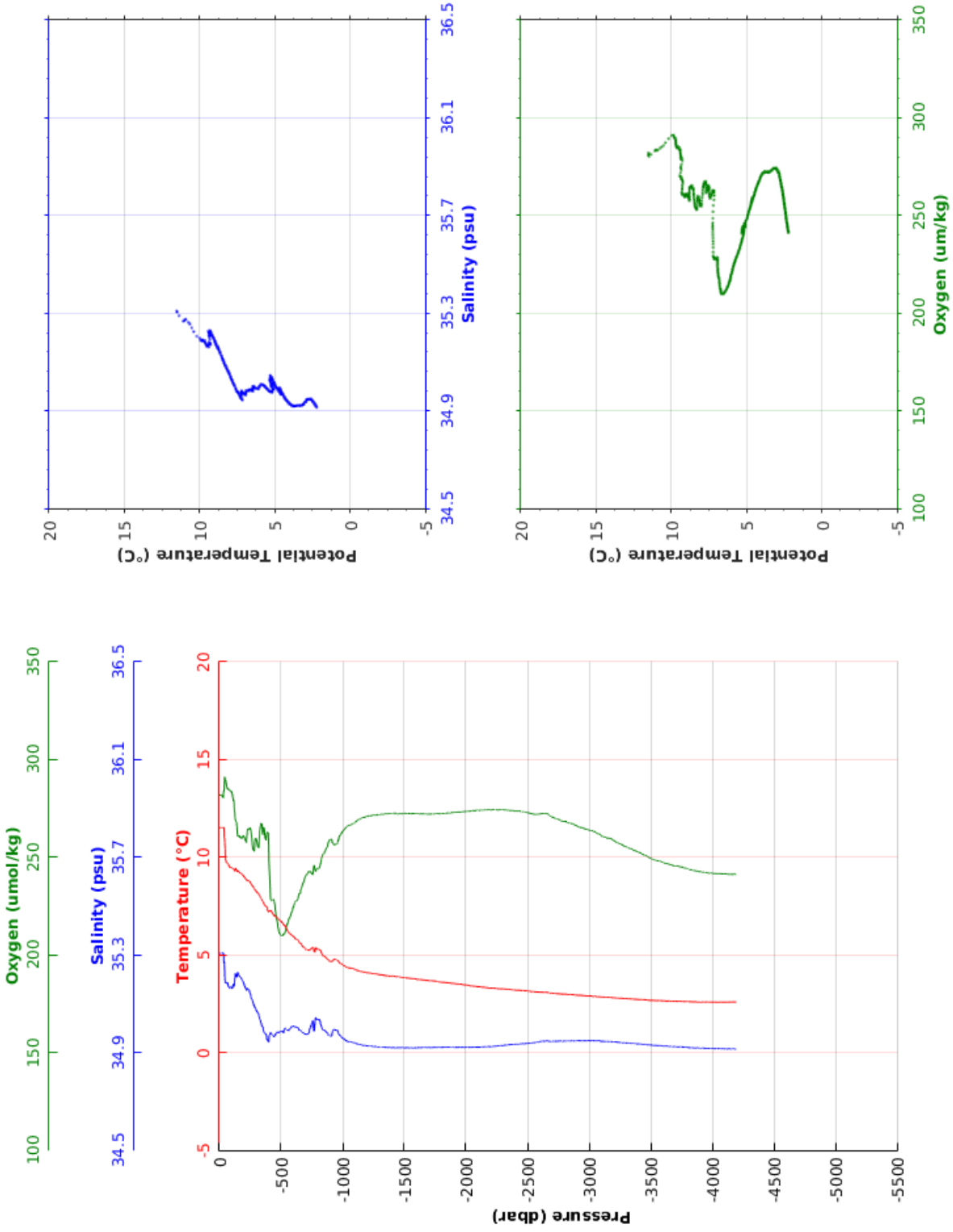

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 50

Profile	: 51	Cruise	: GEOVIDE (Classic)
Station	: 26	Cast	: 3
Date	: 04/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4130 m	Organism	: CNRS - IFREMER
Position	: N 50 16.67 W 022 36.28		

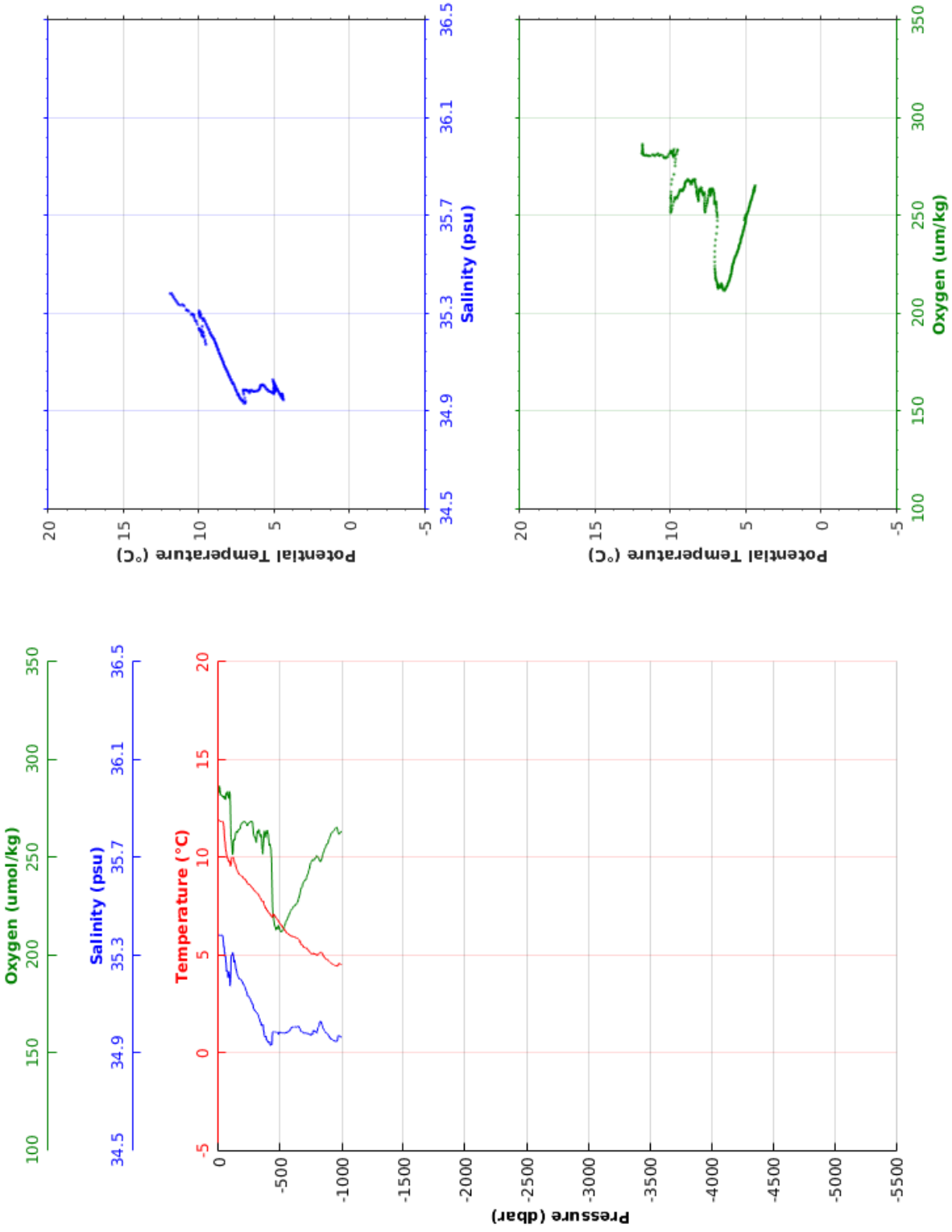
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	11.516	35.306	281.7	11.516	3050.0	2.870	34.949	263.1	2.617
10.0	11.518	35.306	281.9	11.516	3100.0	2.844	34.946	261.2	2.586
20.0	11.522	35.308	281.7	11.520	3150.0	2.827	34.945	259.9	2.564
30.0	11.521	35.308	281.4	11.517	3200.0	2.803	34.943	258.8	2.535
40.0	11.013	35.268	283.6	11.008	3250.0	2.781	34.942	257.0	2.509
50.0	9.857	35.186	291.1	9.851	3300.0	2.759	34.939	255.4	2.481
100.0	9.461	35.167	283.6	9.450	3350.0	2.738	34.937	254.2	2.456
150.0	9.297	35.222	263.3	9.280	3400.0	2.718	34.935	252.6	2.431
200.0	9.000	35.184	261.1	8.979	3450.0	2.700	34.933	251.2	2.408
250.0	8.699	35.143	264.5	8.672	3500.0	2.673	34.930	249.5	2.376
300.0	8.249	35.078	259.8	8.218	3550.0	2.659	34.929	248.4	2.357
350.0	7.748	35.006	267.3	7.713	3600.0	2.643	34.927	247.2	2.336
400.0	7.205	34.944	262.6	7.166	3650.0	2.634	34.925	246.6	2.322
450.0	6.972	34.968	227.2	6.929	3700.0	2.623	34.924	245.6	2.306
500.0	6.733	34.986	210.5	6.686	3750.0	2.620	34.923	245.0	2.296
550.0	6.238	34.990	214.7	6.188	3800.0	2.606	34.921	244.3	2.278
600.0	5.938	35.008	223.4	5.884	3850.0	2.594	34.919	243.3	2.261
650.0	5.604	34.992	230.9	5.548	3900.0	2.586	34.918	242.7	2.247
700.0	5.275	34.975	239.7	5.216	3950.0	2.584	34.917	242.2	2.239
750.0	5.368	35.019	241.8	5.304	4000.0	2.579	34.916	241.8	2.229
800.0	5.282	35.034	243.9	5.214	4050.0	2.580	34.916	241.6	2.223
850.0	4.926	34.992	251.9	4.856	4100.0	2.579	34.915	241.4	2.217
900.0	4.661	34.968	258.9	4.589	4150.0	2.582	34.915	241.3	2.214
950.0	4.741	34.989	256.7	4.663	4195.0	2.584	34.914	241.3	2.210
1000.0	4.478	34.959	262.8	4.398					
1050.0	4.328	34.945	266.2	4.244					
1100.0	4.255	34.939	267.5	4.168					
1150.0	4.148	34.931	269.8	4.058					
1200.0	4.084	34.927	270.9	3.990					
1250.0	4.034	34.924	271.5	3.936					
1300.0	3.990	34.923	271.8	3.888					
1350.0	3.944	34.921	272.1	3.838					
1400.0	3.915	34.920	272.3	3.804					
1450.0	3.874	34.920	272.2	3.760					
1500.0	3.832	34.919	272.5	3.713					
1550.0	3.795	34.919	272.4	3.673					
1600.0	3.748	34.920	272.4	3.621					
1650.0	3.721	34.920	272.2	3.590					
1700.0	3.687	34.920	272.1	3.552					
1750.0	3.653	34.921	272.2	3.514					
1800.0	3.606	34.922	272.4	3.463					
1850.0	3.569	34.922	272.6	3.423					
1900.0	3.534	34.922	272.9	3.383					
1950.0	3.504	34.921	273.1	3.349					
2000.0	3.461	34.921	273.4	3.302					
2050.0	3.404	34.922	273.8	3.240					
2100.0	3.370	34.922	274.1	3.203					
2150.0	3.338	34.923	274.1	3.166					
2200.0	3.308	34.924	274.2	3.132					
2250.0	3.275	34.926	274.2	3.094					
2300.0	3.254	34.928	274.3	3.069					
2350.0	3.231	34.932	274.1	3.042					
2400.0	3.197	34.933	273.7	3.004					
2450.0	3.181	34.935	273.5	2.982					
2500.0	3.151	34.937	272.9	2.949					
2550.0	3.111	34.940	272.1	2.904					
2600.0	3.091	34.944	272.0	2.879					
2650.0	3.080	34.947	272.4	2.863					
2700.0	3.033	34.946	270.6	2.813					
2750.0	3.011	34.947	269.5	2.786					
2800.0	2.989	34.947	268.4	2.759					
2850.0	2.965	34.947	267.4	2.731					
2900.0	2.940	34.948	266.1	2.701					
2950.0	2.923	34.948	265.2	2.679					
3000.0	2.896	34.948	263.8	2.648					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 51

Profile	: 52	Cruise	: GEOVIDE (Classic)
Station	: 26	Cast	: 5
Date	: 04/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4130 m	Organism	: CNRS - IFREMER
Position	: N 50 16.67 W 022 36.29		

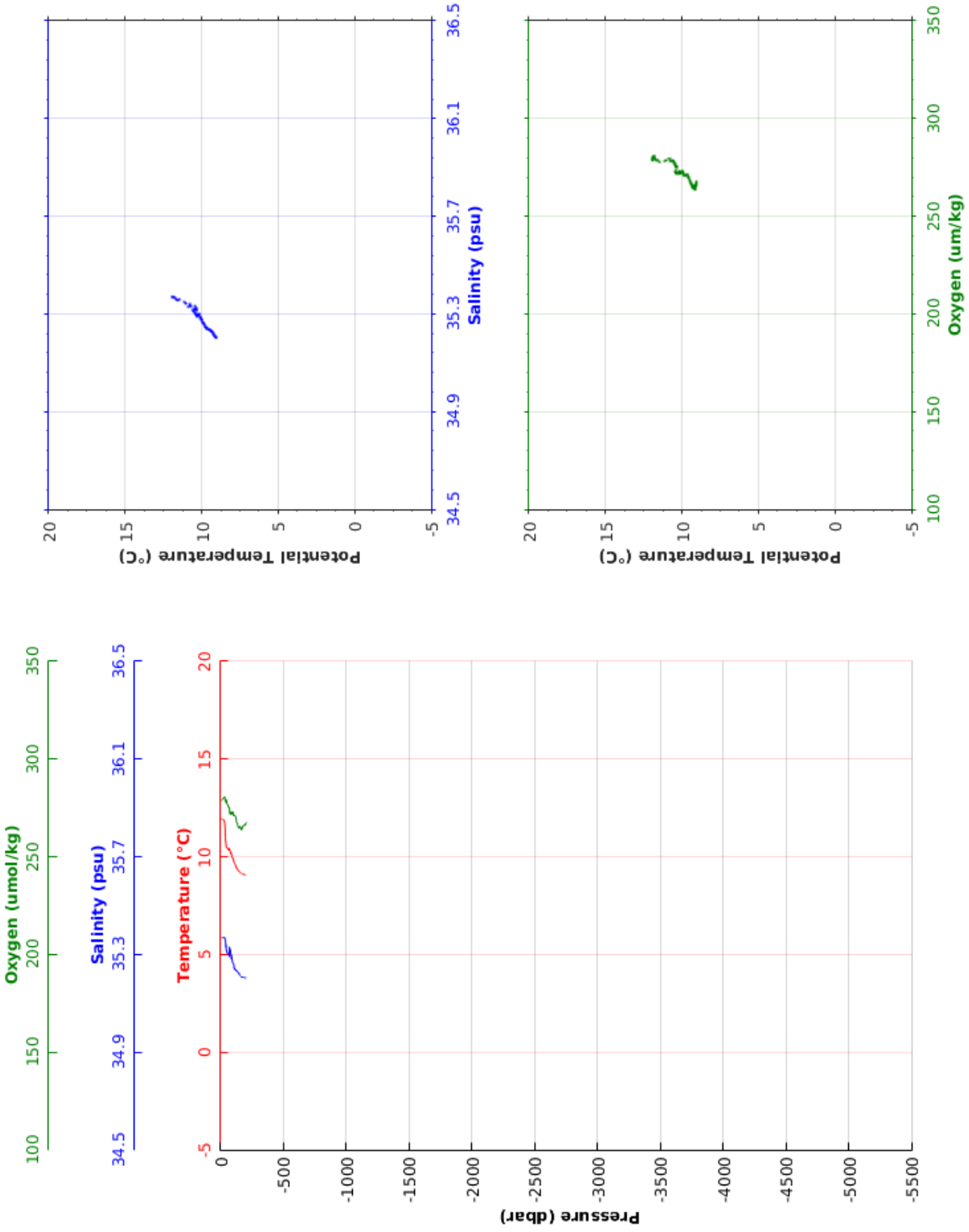
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	11.895	35.379	281.6	11.894
10.0	11.854	35.381	284.1	11.853
20.0	11.833	35.381	283.5	11.830
30.0	11.822	35.380	281.6	11.818
40.0	11.659	35.364	280.8	11.654
50.0	10.841	35.315	281.6	10.835
100.0	9.650	35.207	278.9	9.639
150.0	9.339	35.232	263.0	9.323
200.0	8.950	35.185	267.7	8.928
250.0	8.594	35.128	267.5	8.567
300.0	8.220	35.071	260.1	8.189
350.0	7.763	35.011	261.8	7.727
400.0	7.240	34.947	263.9	7.201
450.0	7.055	34.985	219.9	7.012
500.0	6.609	34.985	213.6	6.563
550.0	6.138	34.981	216.6	6.089
600.0	5.949	35.003	223.3	5.896
650.0	5.800	35.008	227.7	5.743
700.0	5.368	34.980	237.7	5.309
750.0	5.063	34.970	246.4	5.001
800.0	4.973	34.980	250.7	4.907
850.0	4.948	35.000	251.3	4.878
900.0	4.649	34.965	259.1	4.576
950.0	4.453	34.945	264.6	4.377
1000.0	4.490	34.962	263.1	4.410
1001.0	4.486	34.962	263.3	4.406


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 52

Profile	: 53	Cruise	: GEOVIDE (Classic)
Station	: 26	Cast	: 7
Date	: 05/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 4130 m	Organism	: CNRS - IFREMER
Position	: N 50 16.67 W 022 36.29		

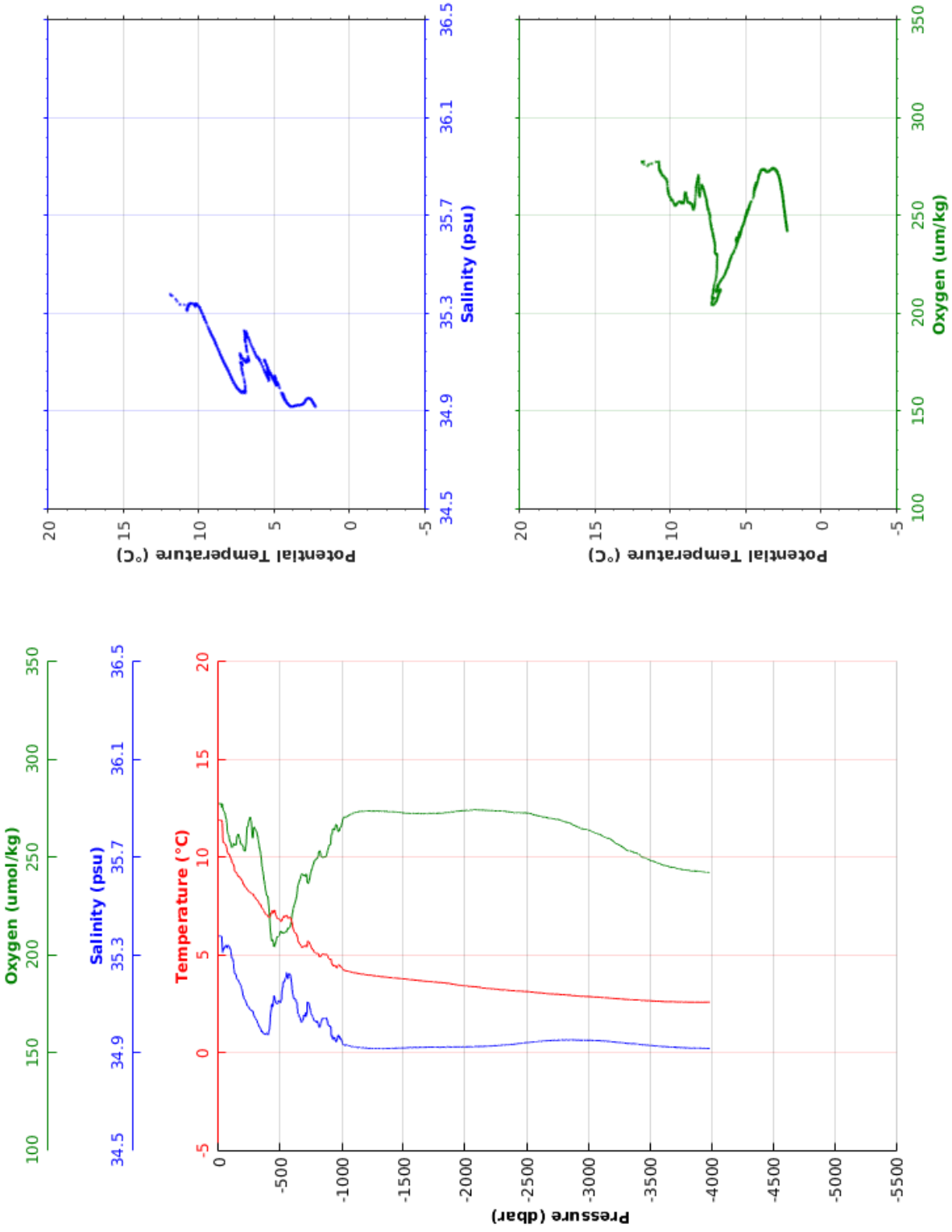
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	11.931	35.369	278.6	11.930
10.0	11.931	35.369	279.3	11.930
20.0	11.921	35.369	280.0	11.918
30.0	11.797	35.369	279.9	11.793
40.0	10.772	35.341	278.3	10.767
50.0	10.451	35.306	276.7	10.445
100.0	9.882	35.262	271.0	9.870
150.0	9.221	35.215	265.7	9.204
200.0	9.077	35.205	267.5	9.055
203.0	9.077	35.205	267.8	9.055


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 53

Profile : 54	Cruise : GEOVIDE (Classic)
Station : 27	Cast : 1
Date : 05/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3932 m	Organism : CNRS - IFREMER
Position : N 51 1.78 W 023 11.44	

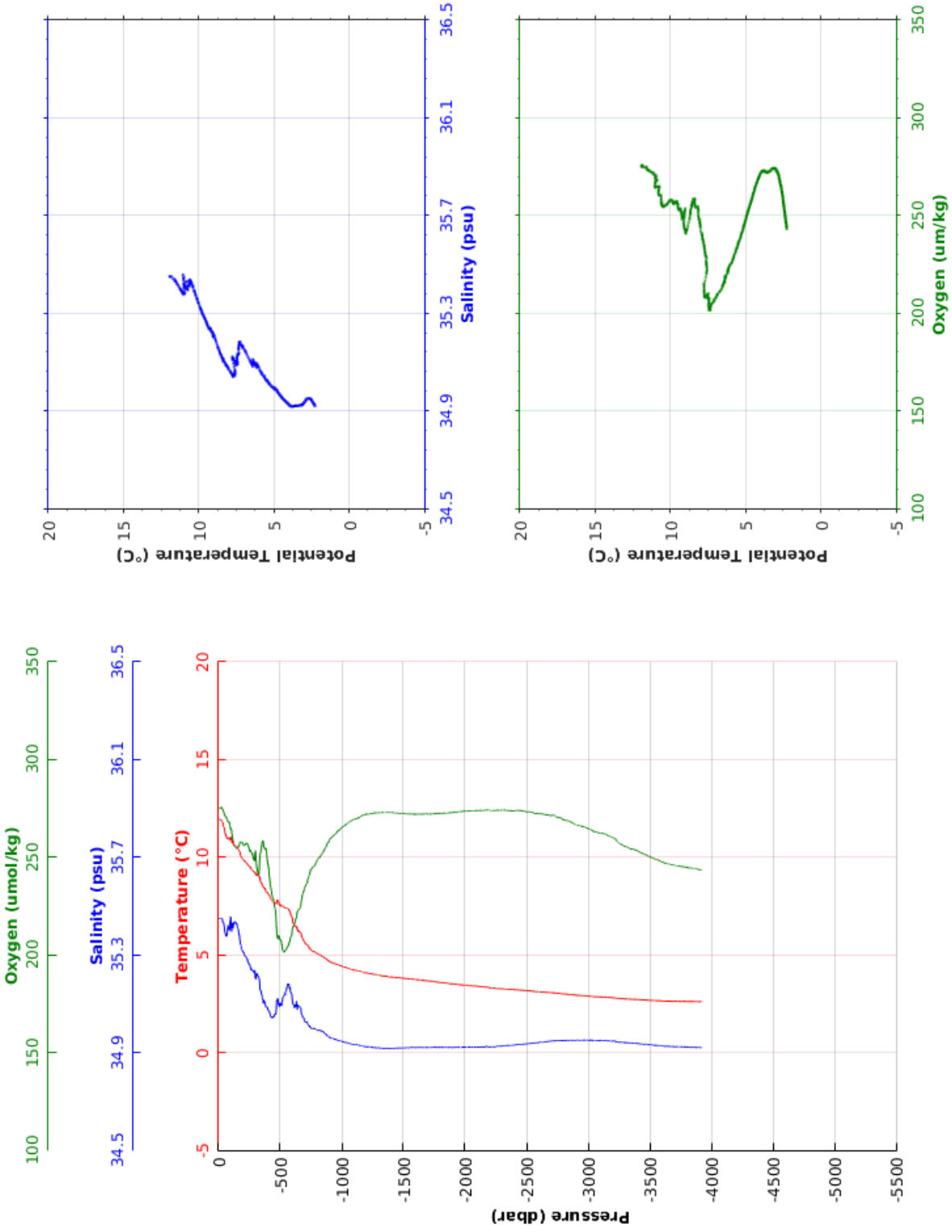
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	11.884	35.377	277.2	11.884	3050.0	2.845	34.949	262.7	2.592
10.0	11.886	35.377	277.4	11.885	3100.0	2.825	34.948	261.6	2.567
20.0	11.888	35.377	277.3	11.885	3150.0	2.799	34.946	260.0	2.537
30.0	11.751	35.371	276.2	11.747	3200.0	2.776	34.944	258.6	2.509
40.0	10.741	35.318	275.3	10.736	3250.0	2.750	34.942	256.5	2.479
50.0	10.707	35.326	273.3	10.701	3300.0	2.721	34.938	254.4	2.444
100.0	9.953	35.324	258.1	9.941	3350.0	2.705	34.937	253.1	2.424
150.0	9.130	35.206	256.8	9.113	3400.0	2.690	34.935	251.9	2.404
200.0	8.648	35.140	255.9	8.627	3450.0	2.668	34.932	250.0	2.377
250.0	8.225	35.083	268.1	8.199	3500.0	2.647	34.929	248.7	2.350
300.0	7.914	35.043	264.8	7.883	3550.0	2.632	34.927	247.4	2.330
350.0	7.406	34.986	250.6	7.372	3600.0	2.615	34.925	246.3	2.308
400.0	6.963	34.973	230.3	6.925	3650.0	2.605	34.923	245.4	2.293
450.0	7.241	35.116	206.4	7.198	3700.0	2.598	34.922	244.7	2.281
500.0	6.797	35.109	210.3	6.750	3750.0	2.586	34.920	244.0	2.263
550.0	6.966	35.208	211.8	6.913	3800.0	2.580	34.919	243.4	2.252
600.0	6.470	35.157	219.3	6.415	3850.0	2.579	34.918	243.0	2.245
650.0	5.641	35.058	235.3	5.584	3900.0	2.580	34.918	242.8	2.241
700.0	5.451	35.049	240.7	5.391	3950.0	2.580	34.917	242.5	2.236
750.0	5.419	35.068	241.1	5.355	3991.0	2.581	34.917	242.2	2.231
800.0	5.073	35.025	249.4	5.007					
850.0	5.032	35.039	249.9	4.961					
900.0	4.788	35.008	255.6	4.714					
950.0	4.419	34.953	264.4	4.343					
1000.0	4.371	34.953	265.4	4.292					
1050.0	4.165	34.929	270.8	4.083					
1100.0	4.083	34.923	272.6	3.997					
1150.0	4.027	34.920	273.4	3.938					
1200.0	3.982	34.918	273.4	3.889					
1250.0	3.946	34.917	273.6	3.848					
1300.0	3.903	34.917	273.7	3.801					
1350.0	3.869	34.917	273.4	3.763					
1400.0	3.830	34.917	273.3	3.721					
1450.0	3.803	34.918	273.1	3.690					
1500.0	3.772	34.919	272.7	3.655					
1550.0	3.737	34.920	272.4	3.615					
1600.0	3.701	34.921	272.4	3.575					
1650.0	3.669	34.921	272.4	3.539					
1700.0	3.643	34.922	272.4	3.509					
1750.0	3.614	34.922	272.5	3.475					
1800.0	3.587	34.922	272.5	3.445					
1850.0	3.552	34.922	272.9	3.405					
1900.0	3.504	34.923	273.2	3.353					
1950.0	3.448	34.923	273.6	3.293					
2000.0	3.416	34.923	273.8	3.258					
2050.0	3.382	34.924	274.1	3.219					
2100.0	3.355	34.924	274.2	3.188					
2150.0	3.304	34.925	274.1	3.133					
2200.0	3.278	34.926	274.0	3.102					
2250.0	3.241	34.928	273.8	3.061					
2300.0	3.210	34.930	273.6	3.026					
2350.0	3.187	34.932	273.4	2.999					
2400.0	3.158	34.934	272.9	2.965					
2450.0	3.134	34.938	272.8	2.936					
2500.0	3.121	34.940	272.8	2.918					
2550.0	3.089	34.943	272.0	2.882					
2600.0	3.061	34.946	271.2	2.850					
2650.0	3.027	34.948	270.6	2.811					
2700.0	3.003	34.949	270.0	2.783					
2750.0	2.986	34.951	269.4	2.761					
2800.0	2.960	34.951	268.4	2.731					
2850.0	2.937	34.951	267.5	2.703					
2900.0	2.908	34.951	266.0	2.669					
2950.0	2.881	34.951	264.7	2.638					
3000.0	2.868	34.950	264.0	2.620					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 54

Profile : 55	Cruise : GEOVIDE (Classic)
Station : 28	Cast : 1
Date : 05/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3871 m	Organism : CNRS - IFREMER
Position : N 52 1.48 W 023 58.39	

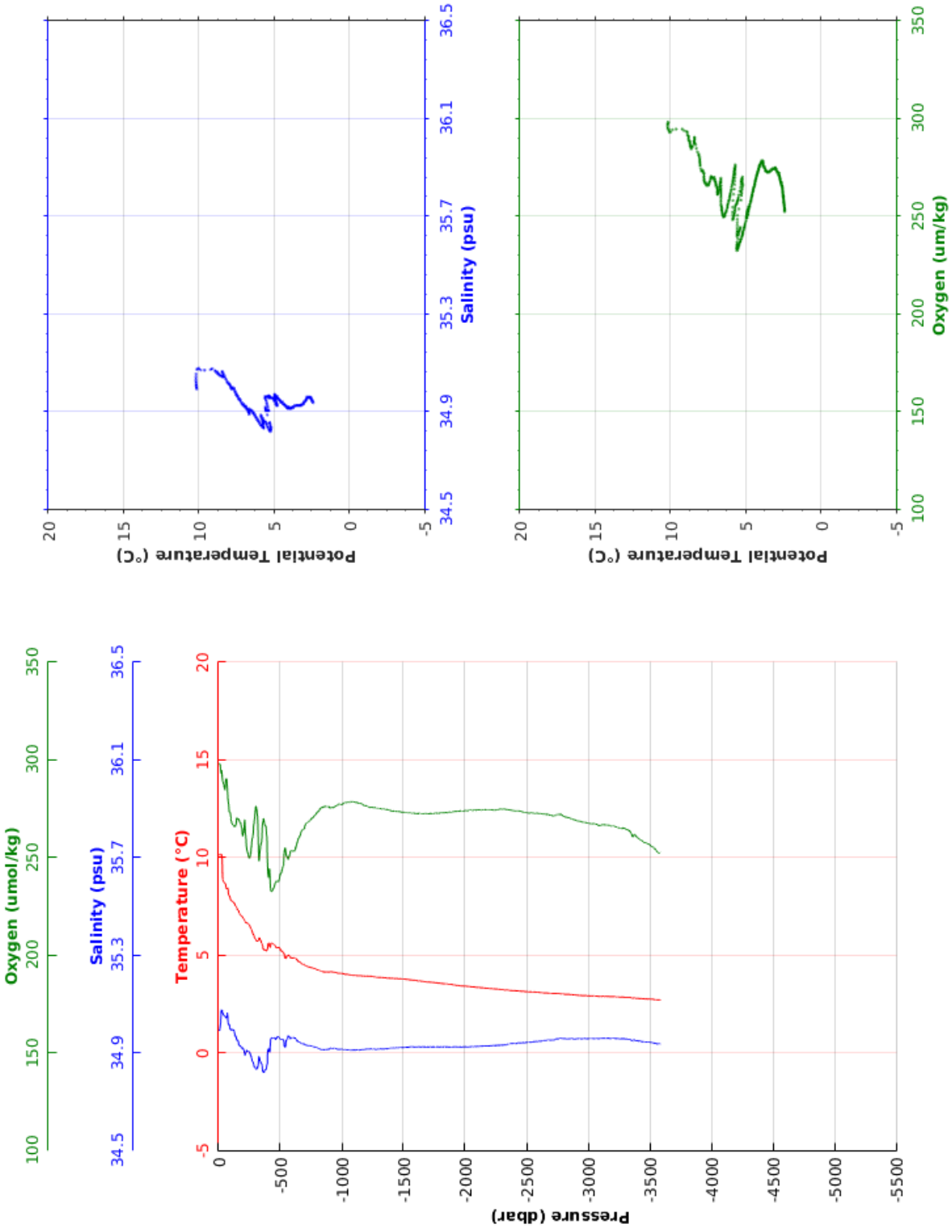
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	11.925	35.450	275.5	11.925	3050.0	2.859	34.949	263.3	2.606
10.0	11.935	35.450	275.4	11.934	3100.0	2.846	34.949	262.4	2.588
20.0	11.891	35.450	275.3	11.888	3150.0	2.832	34.949	261.6	2.569
30.0	11.844	35.449	275.7	11.840	3200.0	2.806	34.947	260.1	2.538
40.0	11.566	35.431	274.3	11.561	3250.0	2.770	34.943	257.3	2.497
50.0	11.359	35.413	272.5	11.352	3300.0	2.747	34.941	255.6	2.470
100.0	11.023	35.445	265.6	11.010	3350.0	2.726	34.938	254.2	2.445
150.0	10.510	35.427	254.8	10.492	3400.0	2.719	34.937	253.4	2.431
200.0	9.878	35.315	257.0	9.855	3450.0	2.693	34.934	251.7	2.401
250.0	9.522	35.263	255.3	9.494	3500.0	2.675	34.932	250.4	2.378
300.0	9.105	35.210	250.6	9.072	3550.0	2.658	34.929	249.0	2.356
350.0	8.639	35.141	253.9	8.602	3600.0	2.638	34.927	247.7	2.332
400.0	8.165	35.085	248.7	8.123	3650.0	2.626	34.925	246.5	2.313
450.0	7.696	35.048	229.0	7.651	3700.0	2.621	34.924	245.9	2.304
500.0	7.565	35.099	208.7	7.515	3750.0	2.618	34.923	245.3	2.294
550.0	7.404	35.151	202.3	7.350	3800.0	2.613	34.922	244.9	2.285
600.0	6.841	35.128	210.4	6.784	3850.0	2.611	34.921	244.4	2.277
650.0	6.199	35.091	222.7	6.140	3900.0	2.604	34.920	243.7	2.264
700.0	5.650	35.033	233.2	5.589	3927.0	2.601	34.919	243.2	2.258
750.0	5.224	35.000	243.0	5.161					
800.0	5.071	34.992	247.5	5.005					
850.0	4.906	34.987	252.0	4.836					
900.0	4.673	34.964	257.9	4.601					
950.0	4.536	34.954	261.7	4.460					
1000.0	4.423	34.946	264.7	4.343					
1050.0	4.316	34.939	267.2	4.233					
1100.0	4.218	34.933	269.3	4.132					
1150.0	4.153	34.929	270.5	4.063					
1200.0	4.075	34.924	271.9	3.981					
1250.0	4.021	34.921	272.4	3.923					
1300.0	3.965	34.919	272.8	3.863					
1350.0	3.910	34.917	272.8	3.804					
1400.0	3.869	34.917	273.0	3.759					
1450.0	3.838	34.918	272.6	3.724					
1500.0	3.802	34.918	272.6	3.684					
1550.0	3.767	34.920	272.2	3.645					
1600.0	3.739	34.920	272.1	3.613					
1650.0	3.702	34.920	272.2	3.572					
1700.0	3.667	34.921	272.1	3.533					
1750.0	3.634	34.921	272.2	3.495					
1800.0	3.586	34.921	272.4	3.444					
1850.0	3.554	34.921	272.6	3.407					
1900.0	3.514	34.921	273.0	3.363					
1950.0	3.473	34.921	273.2	3.318					
2000.0	3.445	34.922	273.7	3.286					
2050.0	3.421	34.922	273.7	3.257					
2100.0	3.399	34.923	273.9	3.231					
2150.0	3.359	34.922	274.0	3.187					
2200.0	3.315	34.922	274.1	3.139					
2250.0	3.282	34.924	274.1	3.101					
2300.0	3.263	34.926	274.0	3.078					
2350.0	3.237	34.929	274.0	3.048					
2400.0	3.219	34.930	273.8	3.025					
2450.0	3.196	34.934	274.0	2.998					
2500.0	3.165	34.935	273.3	2.963					
2550.0	3.141	34.938	272.9	2.934					
2600.0	3.109	34.940	272.3	2.897					
2650.0	3.081	34.944	271.9	2.865					
2700.0	3.062	34.947	271.4	2.841					
2750.0	3.030	34.948	270.4	2.804					
2800.0	3.000	34.949	269.2	2.770					
2850.0	2.976	34.949	268.3	2.742					
2900.0	2.937	34.950	266.7	2.698					
2950.0	2.915	34.950	265.9	2.671					
3000.0	2.887	34.951	264.8	2.638					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 55

Profile	: 56	Cruise	: GEOVIDE (Classic)
Station	: 29	Cast	: 1
Date	: 06/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3539 m	Organism	: CNRS - IFREMER
Position	: N 53 1.13 W 024 45.10		

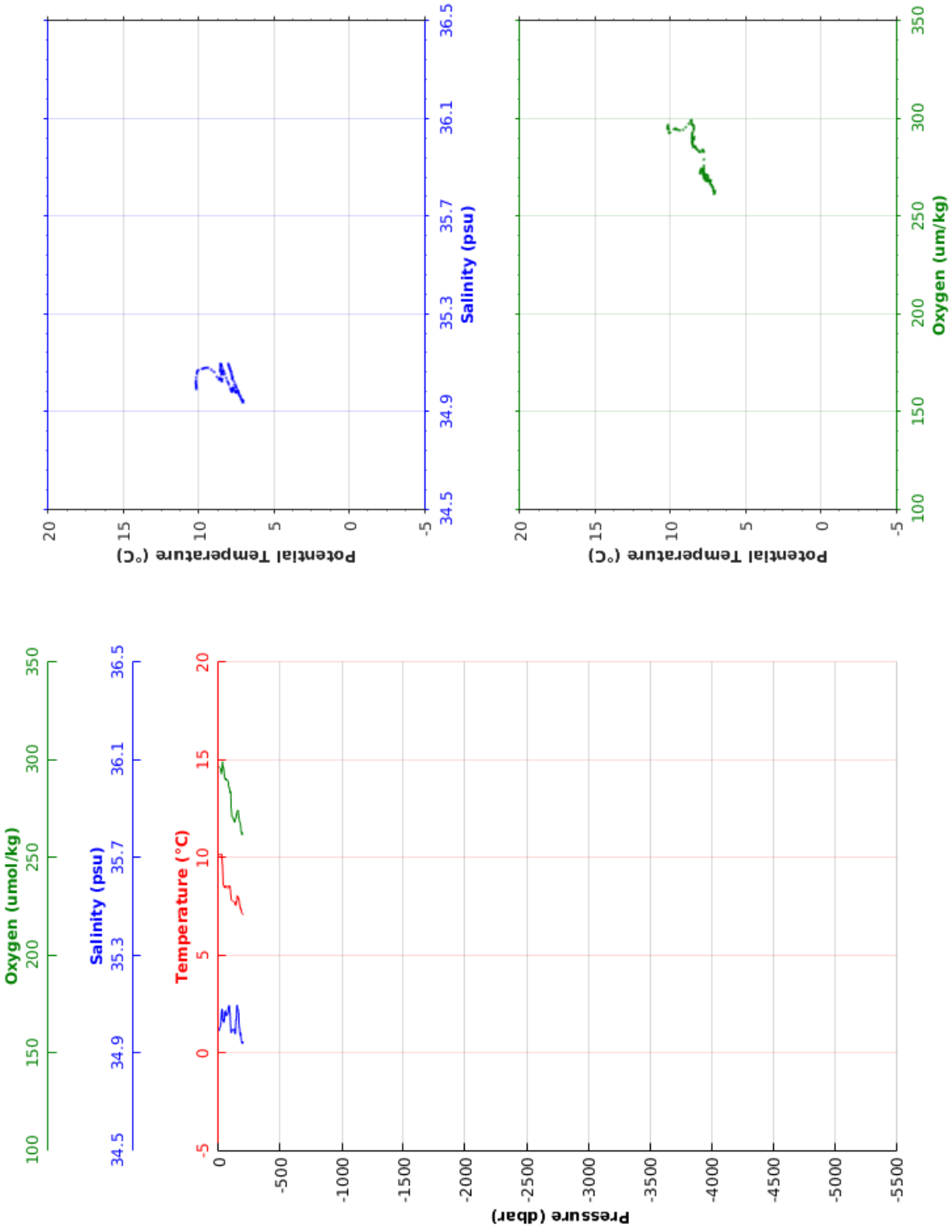
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.139	34.993	298.0	10.139	3050.0	2.901	34.958	267.5	2.647
10.0	10.135	34.992	298.0	10.134	3100.0	2.884	34.958	266.5	2.626
20.0	10.176	35.022	297.2	10.173	3150.0	2.879	34.959	266.6	2.615
30.0	9.618	35.069	294.6	9.614	3200.0	2.869	34.959	266.2	2.600
40.0	8.773	35.060	288.8	8.769	3250.0	2.854	34.958	265.2	2.580
50.0	8.689	35.053	286.7	8.684	3300.0	2.840	34.956	265.0	2.561
100.0	7.836	34.996	273.2	7.826	3350.0	2.816	34.953	262.8	2.532
150.0	7.342	34.951	268.9	7.327	3400.0	2.784	34.948	260.3	2.495
200.0	6.896	34.921	261.4	6.877	3450.0	2.758	34.944	258.1	2.464
250.0	6.539	34.904	250.2	6.516	3500.0	2.745	34.942	256.6	2.446
300.0	5.798	34.837	271.6	5.773	3550.0	2.718	34.938	254.1	2.414
350.0	5.589	34.856	257.0	5.560	3589.0	2.704	34.936	252.3	2.396
400.0	5.475	34.885	253.7	5.442					
450.0	5.524	34.961	234.0	5.487					
500.0	5.289	34.958	239.3	5.247					
550.0	4.901	34.943	253.2	4.857					
600.0	4.849	34.961	253.3	4.801					
650.0	4.658	34.944	259.1	4.607					
700.0	4.511	34.938	264.5	4.456					
750.0	4.364	34.927	269.3	4.306					
800.0	4.250	34.920	272.6	4.188					
850.0	4.150	34.912	275.5	4.086					
900.0	4.132	34.914	276.1	4.063					
950.0	4.102	34.916	276.1	4.030					
1000.0	4.057	34.914	277.1	3.981					
1050.0	4.003	34.911	278.3	3.923					
1100.0	3.956	34.910	278.5	3.872					
1150.0	3.940	34.911	277.9	3.851					
1200.0	3.921	34.914	276.5	3.828					
1250.0	3.899	34.915	275.6	3.802					
1300.0	3.857	34.914	275.2	3.756					
1350.0	3.836	34.916	274.7	3.731					
1400.0	3.812	34.919	274.0	3.703					
1450.0	3.794	34.920	273.6	3.681					
1500.0	3.772	34.921	273.2	3.655					
1550.0	3.736	34.923	272.9	3.614					
1600.0	3.693	34.923	272.5	3.568					
1650.0	3.661	34.923	272.5	3.531					
1700.0	3.620	34.923	272.6	3.487					
1750.0	3.598	34.923	272.6	3.460					
1800.0	3.550	34.924	272.9	3.408					
1850.0	3.523	34.924	273.1	3.377					
1900.0	3.486	34.924	273.4	3.336					
1950.0	3.434	34.923	273.7	3.280					
2000.0	3.410	34.924	274.0	3.251					
2050.0	3.374	34.924	274.2	3.212					
2100.0	3.350	34.926	274.2	3.182					
2150.0	3.320	34.927	274.4	3.149					
2200.0	3.285	34.927	274.4	3.110					
2250.0	3.258	34.929	274.3	3.078					
2300.0	3.231	34.931	274.8	3.047					
2350.0	3.206	34.935	274.4	3.018					
2400.0	3.171	34.937	273.9	2.978					
2450.0	3.149	34.940	273.7	2.951					
2500.0	3.126	34.942	273.0	2.924					
2550.0	3.106	34.944	272.8	2.899					
2600.0	3.089	34.946	272.6	2.877					
2650.0	3.057	34.950	272.1	2.841					
2700.0	3.034	34.951	271.6	2.814					
2750.0	3.029	34.956	272.0	2.803					
2800.0	2.994	34.957	271.2	2.764					
2850.0	2.983	34.957	270.3	2.748					
2900.0	2.948	34.957	269.1	2.709					
2950.0	2.926	34.957	268.2	2.682					
3000.0	2.912	34.957	267.7	2.663					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 56

Profile	: 57	Cruise	: GEOVIDE (Classic)
Station	: 29	Cast	: 3
Date	: 06/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3539 m	Organism	: CNRS - IFREMER
Position	: N 53 1.20 W 024 45.12		

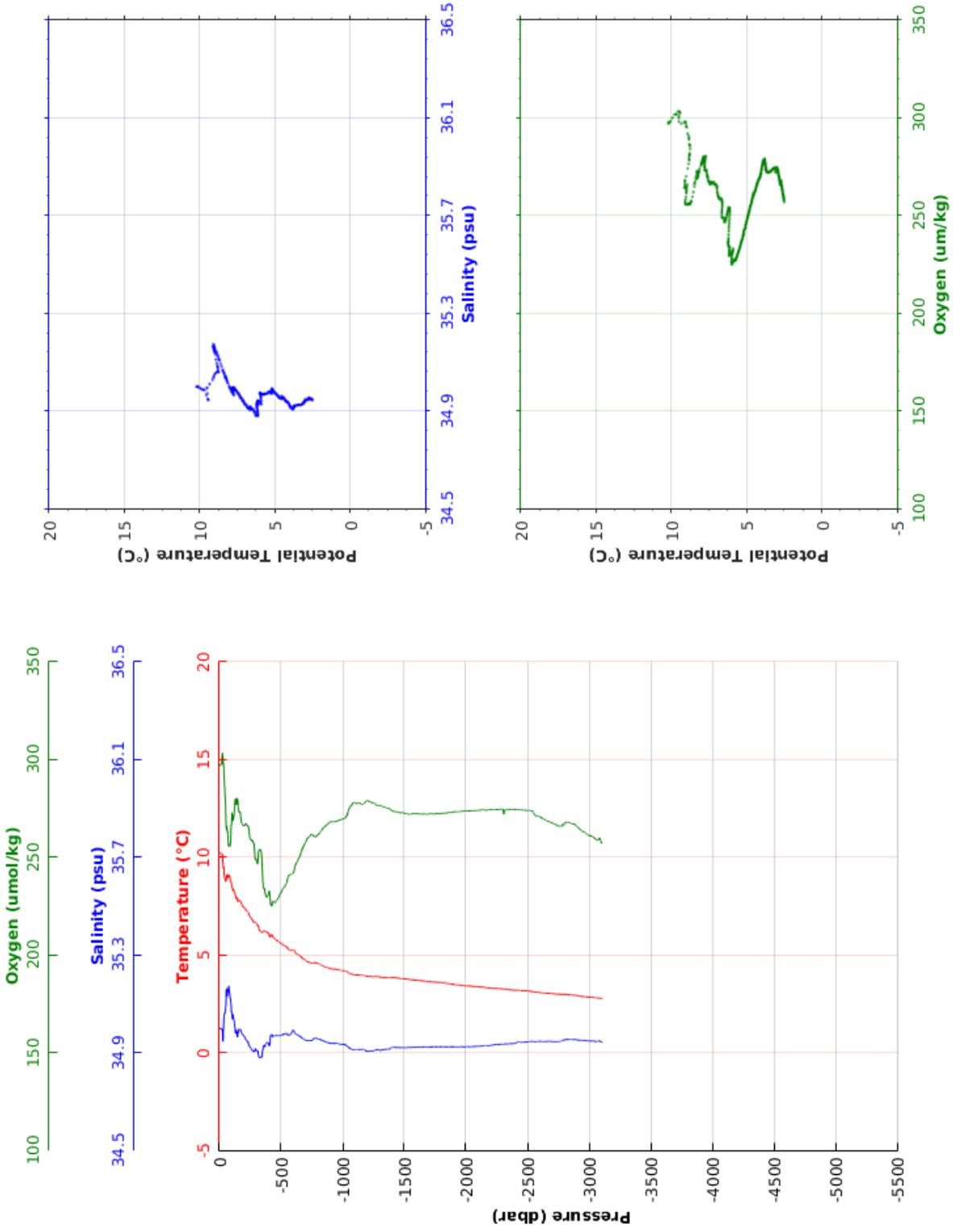
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.156	34.991	296.6	10.156
10.0	10.158	34.992	296.5	10.157
20.0	10.175	35.013	295.6	10.173
30.0	9.667	35.076	294.9	9.663
40.0	8.602	35.035	297.9	8.597
50.0	8.444	35.033	294.4	8.439
100.0	8.053	35.017	282.8	8.043
150.0	7.878	35.063	272.1	7.863
200.0	7.086	34.941	262.5	7.068
202.0	7.085	34.944	262.9	7.066


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 57

Profile : 58	Cruise : GEOVIDE (Classic)
Station : 30	Cast : 1
Date : 06/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3071 m	Organism : CNRS - IFREMER
Position : N 54 0.88 W 025 31.97	

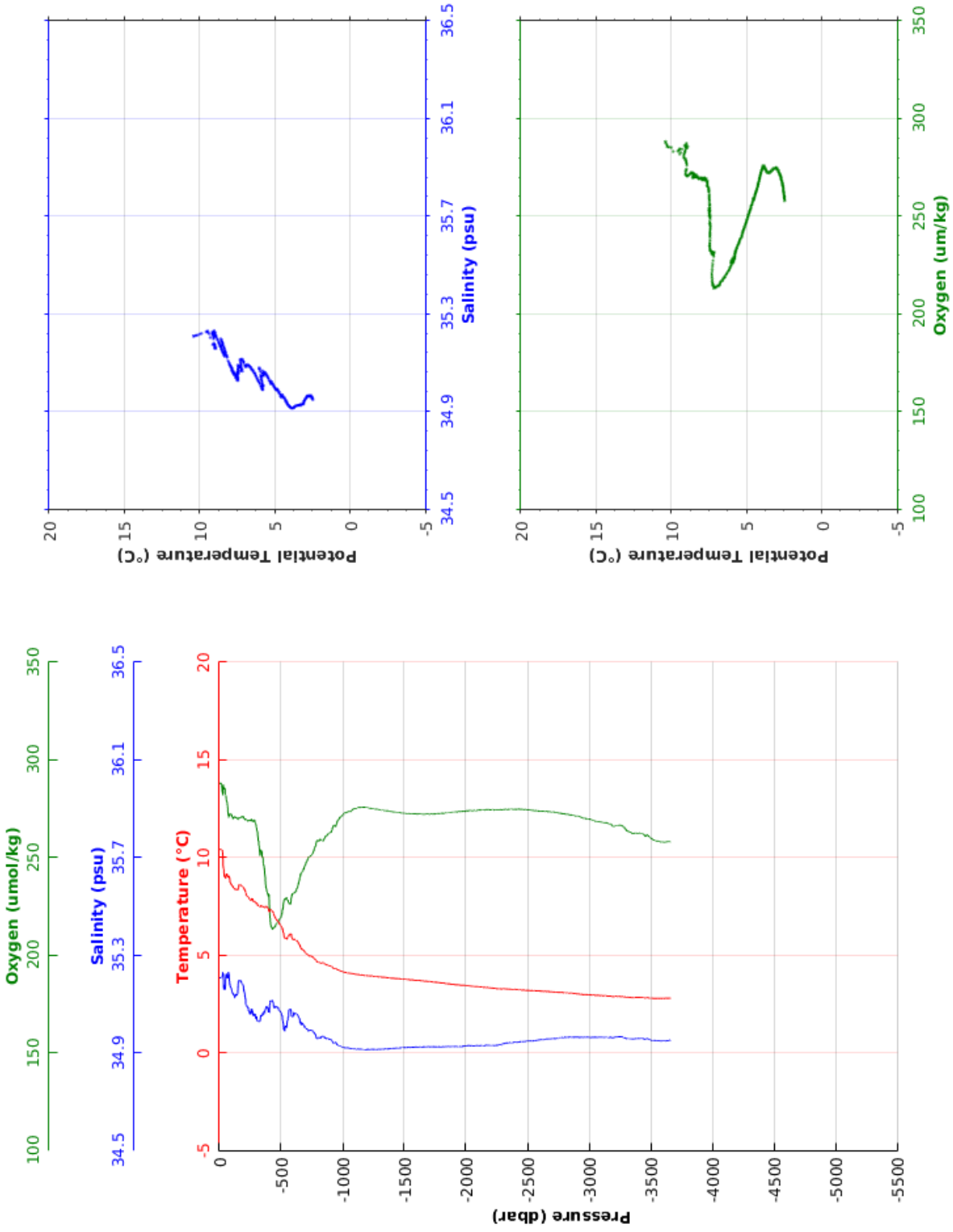
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.197	34.999	297.0	10.197	3050.0	2.802	34.946	259.7	2.550
10.0	10.197	34.999	297.0	10.196	3100.0	2.767	34.944	257.7	2.511
20.0	10.145	34.999	297.7	10.142	3109.0	2.752	34.943	256.9	2.496
30.0	9.558	34.964	303.4	9.554					
40.0	9.041	35.042	297.1	9.037					
50.0	8.757	35.067	284.0	8.752					
100.0	8.475	35.068	264.7	8.465					
150.0	7.728	34.963	280.4	7.713					
200.0	7.431	34.969	266.2	7.411					
250.0	6.940	34.924	260.8	6.917					
300.0	6.597	34.910	248.9	6.569					
350.0	6.165	34.891	248.6	6.134					
400.0	6.070	34.938	230.2	6.035					
450.0	5.825	34.968	226.8	5.786					
500.0	5.574	34.971	231.5	5.532					
550.0	5.389	34.979	236.8	5.343					
600.0	5.244	34.991	241.6	5.194					
650.0	4.960	34.968	249.5	4.907					
700.0	4.705	34.951	257.3	4.649					
750.0	4.575	34.949	261.7	4.516					
800.0	4.557	34.957	261.1	4.493					
850.0	4.412	34.947	264.9	4.345					
900.0	4.296	34.938	267.9	4.226					
950.0	4.265	34.937	268.4	4.191					
1000.0	4.197	34.933	269.6	4.119					
1050.0	4.080	34.920	273.4	3.999					
1100.0	3.980	34.911	278.2	3.895					
1150.0	3.962	34.912	277.4	3.874					
1200.0	3.896	34.905	278.8	3.804					
1250.0	3.880	34.907	277.9	3.783					
1300.0	3.870	34.910	276.5	3.769					
1350.0	3.845	34.913	275.5	3.740					
1400.0	3.845	34.920	273.9	3.735					
1450.0	3.811	34.920	273.1	3.697					
1500.0	3.772	34.920	272.7	3.654					
1550.0	3.735	34.920	272.0	3.613					
1600.0	3.703	34.922	272.3	3.577					
1650.0	3.673	34.923	272.1	3.543					
1700.0	3.639	34.923	272.1	3.505					
1750.0	3.606	34.924	272.2	3.468					
1800.0	3.586	34.924	272.4	3.443					
1850.0	3.530	34.923	272.7	3.383					
1900.0	3.490	34.923	273.1	3.340					
1950.0	3.450	34.923	273.4	3.296					
2000.0	3.418	34.924	273.8	3.259					
2050.0	3.396	34.924	273.8	3.233					
2100.0	3.366	34.925	273.9	3.199					
2150.0	3.337	34.927	274.2	3.165					
2200.0	3.305	34.930	274.3	3.129					
2250.0	3.275	34.933	274.3	3.095					
2300.0	3.261	34.934	274.6	3.076					
2350.0	3.220	34.934	274.4	3.031					
2400.0	3.189	34.939	274.5	2.996					
2450.0	3.169	34.941	274.4	2.971					
2500.0	3.158	34.943	274.0	2.955					
2550.0	3.108	34.946	273.2	2.901					
2600.0	3.076	34.946	270.8	2.865					
2650.0	3.043	34.945	268.9	2.827					
2700.0	3.014	34.945	267.6	2.794					
2750.0	2.990	34.945	266.1	2.765					
2800.0	2.981	34.952	266.4	2.752					
2850.0	2.955	34.953	267.7	2.721					
2900.0	2.919	34.952	266.1	2.681					
2950.0	2.867	34.950	263.3	2.624					
3000.0	2.839	34.948	261.3	2.592					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 58

Profile : 59	Cruise : GEOVIDE (Classic)
Station : 31	Cast : 1
Date : 07/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3607 m	Organism : CNRS - IFREMER
Position : N 54 45.65 W 026 7.33	

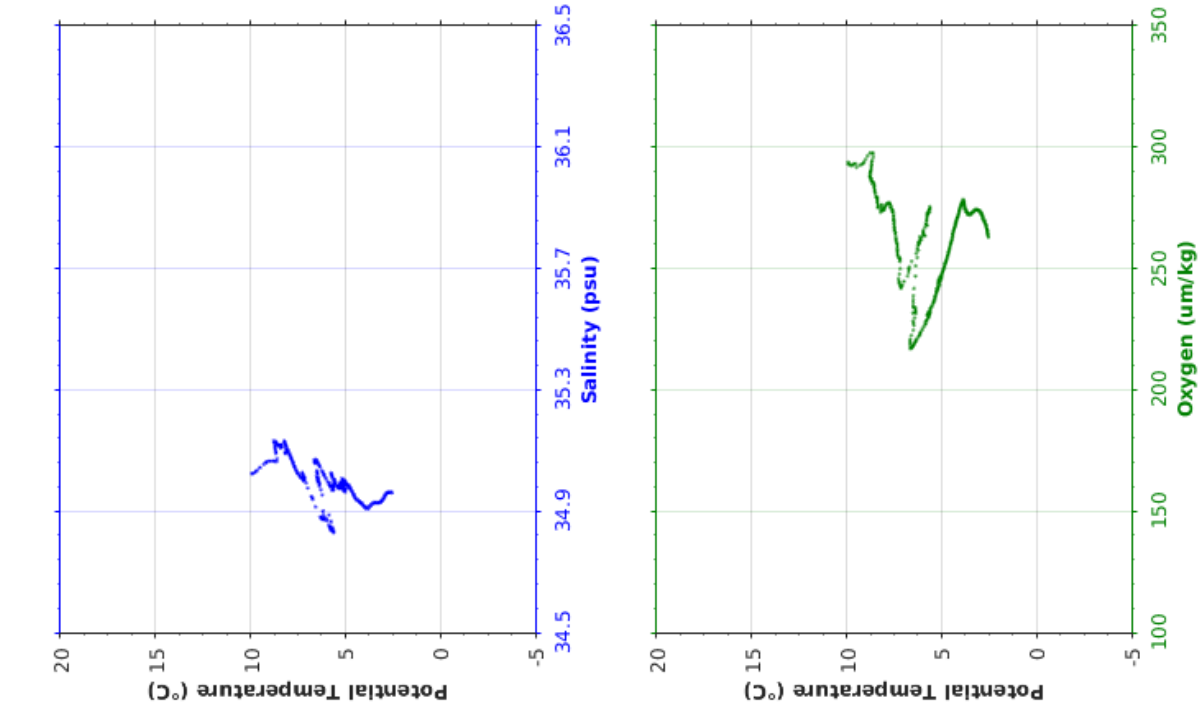
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.405	35.207	287.9	10.405	3050.0	2.940	34.963	268.7	2.685
10.0	10.405	35.207	287.9	10.404	3100.0	2.921	34.963	268.1	2.662
20.0	10.383	35.209	287.9	10.380	3150.0	2.899	34.961	267.6	2.635
30.0	9.568	35.225	283.3	9.564	3200.0	2.874	34.960	265.9	2.605
40.0	9.046	35.173	285.8	9.041	3250.0	2.878	34.965	266.6	2.604
50.0	8.938	35.161	285.2	8.933	3300.0	2.840	34.959	264.3	2.560
100.0	8.583	35.161	272.2	8.572	3350.0	2.825	34.956	262.4	2.540
150.0	8.353	35.140	270.3	8.338	3400.0	2.827	34.958	262.4	2.537
200.0	8.391	35.159	270.9	8.370	3450.0	2.807	34.955	261.7	2.512
250.0	7.824	35.060	269.1	7.799	3500.0	2.794	34.952	260.3	2.494
300.0	7.620	35.039	267.3	7.591	3550.0	2.781	34.949	258.5	2.476
350.0	7.485	35.052	252.8	7.451	3600.0	2.781	34.948	257.9	2.471
400.0	7.258	35.067	231.5	7.219	3650.0	2.791	34.951	258.2	2.474
450.0	6.958	35.082	214.3	6.915	3664.0	2.792	34.950	258.2	2.473
500.0	6.495	35.067	218.8	6.449					
550.0	5.829	35.007	229.6	5.781					
600.0	5.783	35.047	231.6	5.731					
650.0	5.527	35.041	237.2	5.471					
700.0	5.114	35.002	246.0	5.056					
750.0	4.919	34.991	251.1	4.857					
800.0	4.620	34.959	258.7	4.557					
850.0	4.585	34.967	258.6	4.517					
900.0	4.434	34.954	262.6	4.363					
950.0	4.302	34.940	266.3	4.228					
1000.0	4.150	34.924	271.3	4.072					
1050.0	4.083	34.919	273.3	4.002					
1100.0	4.020	34.915	275.0	3.935					
1150.0	3.977	34.914	275.7	3.888					
1200.0	3.941	34.913	275.7	3.849					
1250.0	3.911	34.913	275.1	3.814					
1300.0	3.882	34.913	274.6	3.781					
1350.0	3.852	34.915	274.1	3.747					
1400.0	3.818	34.916	273.6	3.709					
1450.0	3.794	34.918	273.2	3.681					
1500.0	3.759	34.920	272.7	3.642					
1550.0	3.732	34.922	272.3	3.610					
1600.0	3.705	34.923	272.2	3.580					
1650.0	3.674	34.923	272.2	3.544					
1700.0	3.649	34.924	272.3	3.515					
1750.0	3.612	34.924	272.3	3.474					
1800.0	3.573	34.924	272.6	3.431					
1850.0	3.531	34.925	273.0	3.385					
1900.0	3.492	34.925	273.2	3.341					
1950.0	3.463	34.925	273.5	3.308					
2000.0	3.440	34.927	273.9	3.281					
2050.0	3.408	34.928	274.0	3.244					
2100.0	3.378	34.928	274.1	3.210					
2150.0	3.342	34.929	274.3	3.170					
2200.0	3.316	34.930	274.4	3.140					
2250.0	3.279	34.930	274.4	3.099					
2300.0	3.272	34.937	274.4	3.087					
2350.0	3.253	34.940	274.7	3.064					
2400.0	3.238	34.942	274.7	3.043					
2450.0	3.216	34.944	274.6	3.018					
2500.0	3.192	34.947	274.4	2.988					
2550.0	3.175	34.949	274.0	2.966					
2600.0	3.157	34.952	273.8	2.944					
2650.0	3.132	34.955	273.6	2.915					
2700.0	3.117	34.957	273.3	2.895					
2750.0	3.091	34.959	272.9	2.864					
2800.0	3.075	34.963	272.4	2.844					
2850.0	3.054	34.963	271.9	2.818					
2900.0	3.018	34.963	271.1	2.777					
2950.0	2.977	34.962	270.3	2.732					
3000.0	2.964	34.963	269.8	2.714					

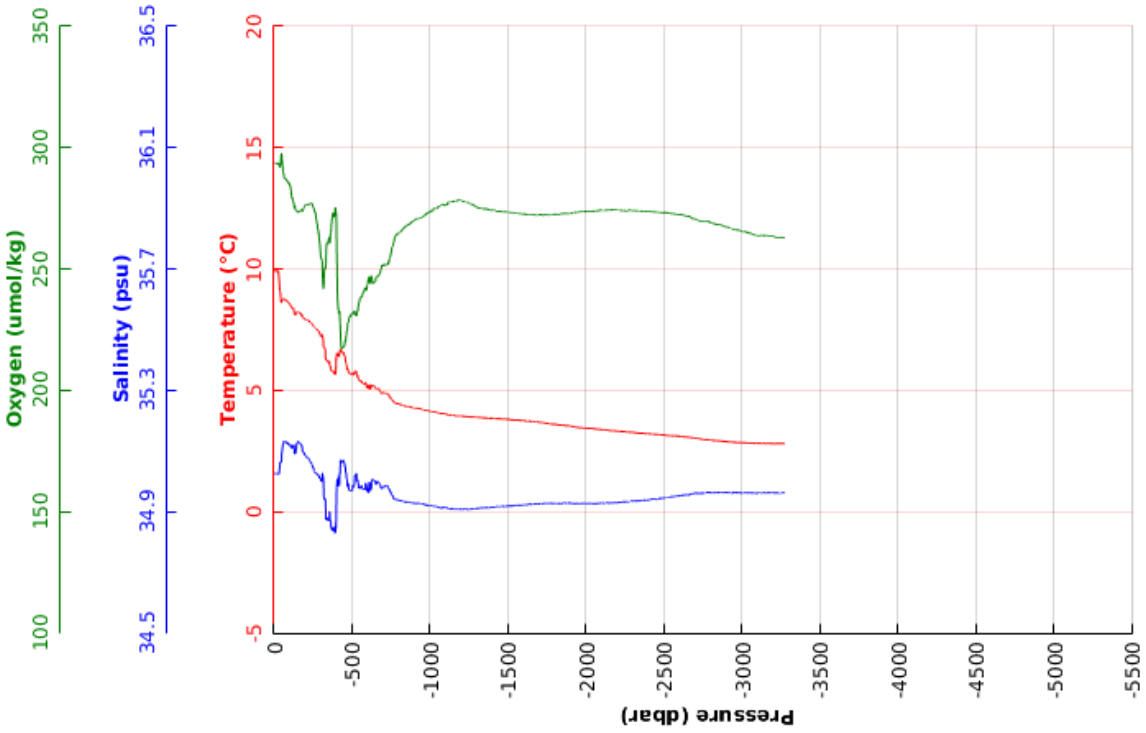

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 59

Profile	: 60	Cruise	: GEOVIDE (Classic)
Station	: 32	Cast	: 1
Date	: 07/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3234 m	Organism	: CNRS - IFREMER
Position	: N 55 30.33 W 026 42.63		

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.913	35.025	293.6	9.913	3050.0	2.828	34.963	264.7	2.576
10.0	9.913	35.025	293.6	9.912	3100.0	2.815	34.961	263.8	2.558
20.0	9.919	35.024	293.8	9.917	3150.0	2.814	34.962	263.9	2.551
30.0	9.750	35.028	292.4	9.747	3200.0	2.809	34.963	263.4	2.541
40.0	9.017	35.065	294.9	9.013	3250.0	2.808	34.962	263.0	2.535
50.0	8.692	35.104	292.6	8.687	3275.0	2.810	34.962	263.1	2.534
100.0	8.563	35.116	284.3	8.553					
150.0	8.226	35.130	273.5	8.210					
200.0	7.935	35.084	276.3	7.915					
250.0	7.669	35.042	275.3	7.645					
300.0	7.230	35.000	254.1	7.201					
350.0	6.164	34.873	263.0	6.133					
400.0	6.397	34.982	251.2	6.361					
450.0	6.465	35.056	219.1	6.423					
500.0	5.665	34.972	231.7	5.622					
550.0	5.384	34.975	238.3	5.338					
600.0	5.101	34.967	245.4	5.051					
650.0	5.071	34.991	246.3	5.018					
700.0	4.897	34.982	251.4	4.840					
750.0	4.644	34.957	257.7	4.585					
800.0	4.438	34.937	265.1	4.375					
850.0	4.341	34.932	268.0	4.275					
900.0	4.269	34.927	270.3	4.199					
950.0	4.212	34.925	271.6	4.138					
1000.0	4.141	34.920	273.8	4.063					
1050.0	4.074	34.915	275.8	3.993					
1100.0	4.042	34.915	276.4	3.956					
1150.0	3.974	34.909	277.8	3.885					
1200.0	3.940	34.907	278.2	3.847					
1250.0	3.908	34.908	277.2	3.811					
1300.0	3.897	34.911	275.5	3.796					
1350.0	3.866	34.913	275.0	3.761					
1400.0	3.849	34.915	274.2	3.739					
1450.0	3.827	34.917	273.7	3.714					
1500.0	3.806	34.918	273.5	3.688					
1550.0	3.773	34.921	273.0	3.651					
1600.0	3.752	34.922	272.6	3.626					
1650.0	3.722	34.924	272.4	3.591					
1700.0	3.687	34.926	272.5	3.553					
1750.0	3.642	34.928	272.4	3.504					
1800.0	3.599	34.927	272.6	3.457					
1850.0	3.564	34.927	272.8	3.417					
1900.0	3.528	34.928	272.9	3.377					
1950.0	3.471	34.927	273.5	3.316					
2000.0	3.438	34.928	273.9	3.279					
2050.0	3.417	34.927	274.0	3.254					
2100.0	3.379	34.928	274.2	3.211					
2150.0	3.349	34.929	274.3	3.177					
2200.0	3.322	34.931	274.3	3.146					
2250.0	3.293	34.933	274.1	3.112					
2300.0	3.269	34.936	274.0	3.084					
2350.0	3.231	34.936	273.8	3.041					
2400.0	3.211	34.939	273.8	3.017					
2450.0	3.185	34.941	273.5	2.987					
2500.0	3.158	34.945	273.2	2.955					
2550.0	3.130	34.950	272.8	2.922					
2600.0	3.110	34.953	272.5	2.898					
2650.0	3.074	34.955	271.8	2.858					
2700.0	3.029	34.960	270.5	2.808					
2750.0	2.981	34.961	269.7	2.756					
2800.0	2.949	34.962	269.2	2.720					
2850.0	2.923	34.963	268.3	2.689					
2900.0	2.888	34.963	267.3	2.650					
2950.0	2.861	34.963	266.3	2.618					
3000.0	2.840	34.962	265.4	2.593					

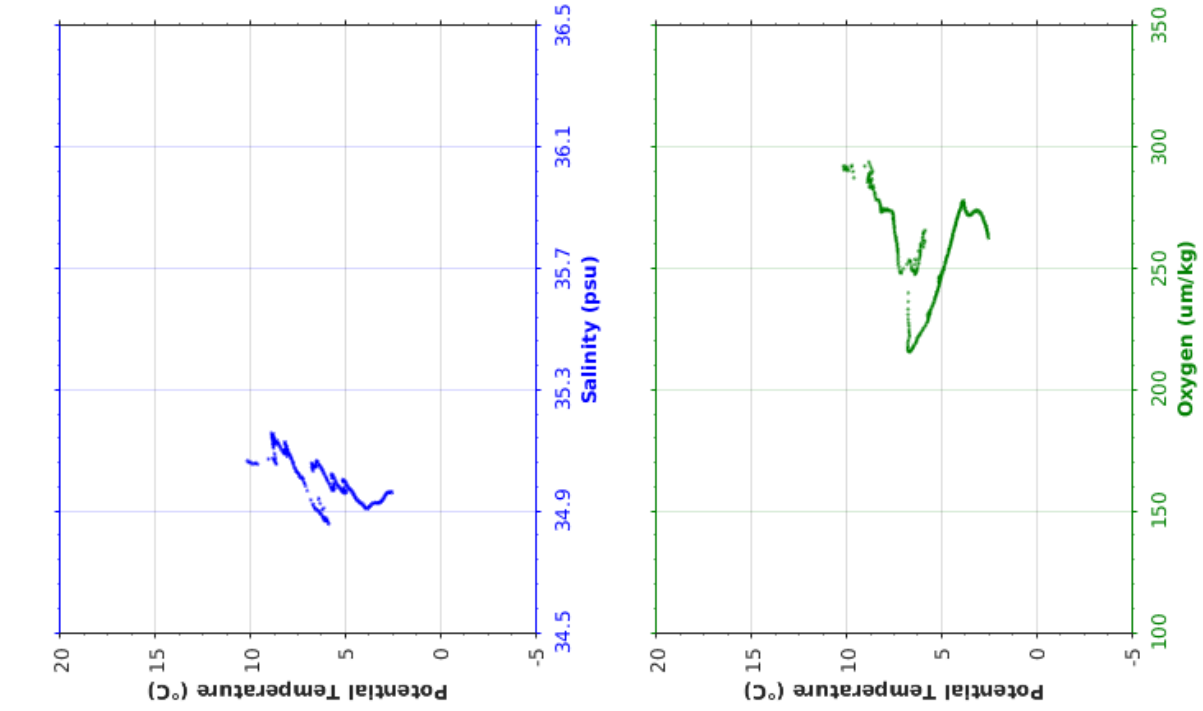

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)

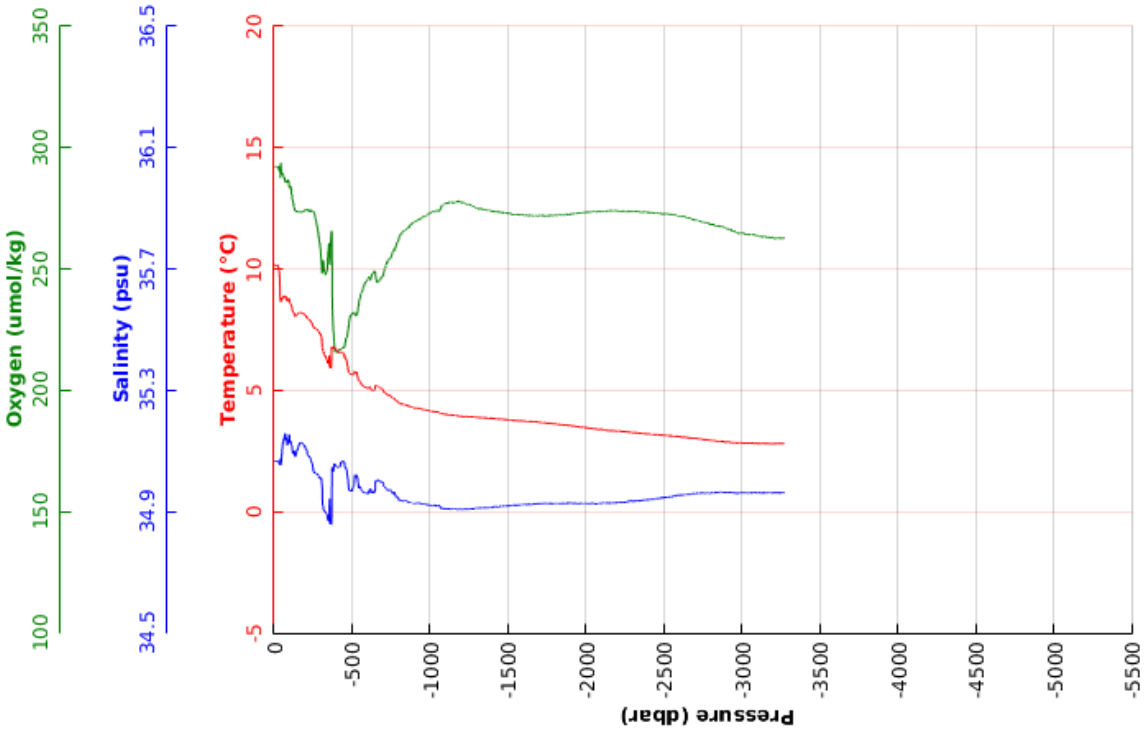

Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 60

Profile	: 61	Cruise	: GEOVIDE (Classic)
Station	: 32	Cast	: 3
Date	: 07/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3232 m	Organism	: CNRS - IFREMER
Position	: N 55 30.34 W 026 42.61		

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.155	35.066	292.0	10.155	3050.0	2.823	34.962	264.2	2.571
10.0	10.156	35.066	292.3	10.154	3100.0	2.812	34.962	263.7	2.555
20.0	10.150	35.066	292.1	10.148	3150.0	2.807	34.962	263.2	2.544
30.0	10.020	35.061	291.5	10.016	3200.0	2.802	34.962	262.9	2.535
40.0	8.770	35.068	292.6	8.766	3250.0	2.806	34.962	262.6	2.533
50.0	8.771	35.107	289.4	8.766	3274.0	2.808	34.962	262.7	2.532
100.0	8.639	35.128	284.1	8.628					
150.0	8.122	35.106	273.6	8.106					
200.0	8.102	35.110	274.1	8.082					
250.0	7.634	35.035	273.4	7.609					
300.0	7.316	35.013	252.7	7.287					
350.0	6.123	34.877	260.1	6.092					
400.0	6.677	35.048	216.0	6.640					
450.0	6.478	35.060	218.5	6.437					
500.0	5.634	34.973	231.8	5.591					
550.0	5.345	34.977	238.8	5.299					
600.0	5.074	34.958	246.2	5.025					
650.0	5.189	35.001	246.1	5.135					
700.0	5.001	34.991	248.2	4.944					
750.0	4.757	34.968	255.4	4.697					
800.0	4.479	34.939	263.4	4.416					
850.0	4.387	34.935	266.5	4.321					
900.0	4.283	34.927	269.6	4.213					
950.0	4.220	34.925	271.5	4.146					
1000.0	4.152	34.921	273.1	4.075					
1050.0	4.107	34.919	274.2	4.025					
1100.0	4.009	34.909	277.1	3.924					
1150.0	3.983	34.910	277.2	3.894					
1200.0	3.931	34.908	277.4	3.838					
1250.0	3.912	34.908	276.6	3.815					
1300.0	3.890	34.911	275.1	3.789					
1350.0	3.866	34.913	274.3	3.761					
1400.0	3.844	34.914	273.8	3.735					
1450.0	3.815	34.917	273.4	3.701					
1500.0	3.788	34.919	273.0	3.670					
1550.0	3.757	34.921	272.4	3.635					
1600.0	3.733	34.923	272.2	3.607					
1650.0	3.709	34.925	272.1	3.578					
1700.0	3.685	34.926	272.0	3.550					
1750.0	3.653	34.927	272.0	3.514					
1800.0	3.612	34.927	272.2	3.470					
1850.0	3.581	34.927	272.4	3.434					
1900.0	3.543	34.928	272.7	3.391					
1950.0	3.494	34.927	273.0	3.338					
2000.0	3.462	34.927	273.4	3.302					
2050.0	3.416	34.926	273.6	3.252					
2100.0	3.390	34.928	273.7	3.222					
2150.0	3.344	34.928	274.0	3.172					
2200.0	3.329	34.930	274.0	3.152					
2250.0	3.291	34.931	273.7	3.111					
2300.0	3.255	34.934	273.7	3.070					
2350.0	3.229	34.936	273.5	3.040					
2400.0	3.201	34.940	273.3	3.007					
2450.0	3.174	34.943	273.1	2.975					
2500.0	3.150	34.947	272.8	2.948					
2550.0	3.123	34.950	272.5	2.916					
2600.0	3.089	34.955	271.9	2.877					
2650.0	3.052	34.957	271.2	2.836					
2700.0	3.024	34.960	270.2	2.804					
2750.0	2.980	34.961	269.2	2.756					
2800.0	2.934	34.962	268.3	2.705					
2850.0	2.910	34.963	267.6	2.676					
2900.0	2.872	34.964	266.7	2.634					
2950.0	2.848	34.963	265.6	2.605					
3000.0	2.832	34.962	265.0	2.585					

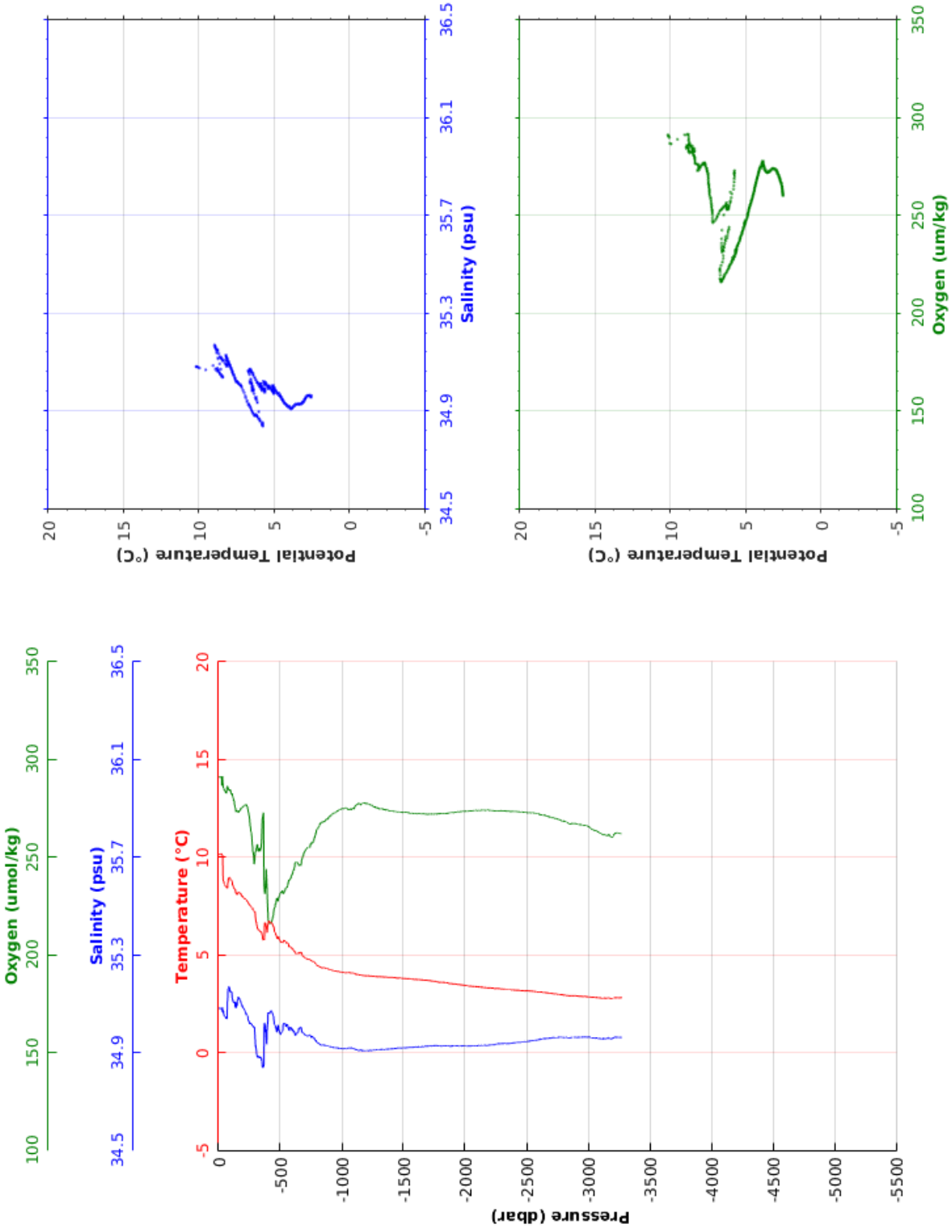

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 61

Profile	: 62	Cruise	: GEOVIDE (Classic)
Station	: 32	Cast	: 5
Date	: 08/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3232 m	Organism	: CNRS - IFREMER
Position	: N 55 30.34 W 026 42.62		

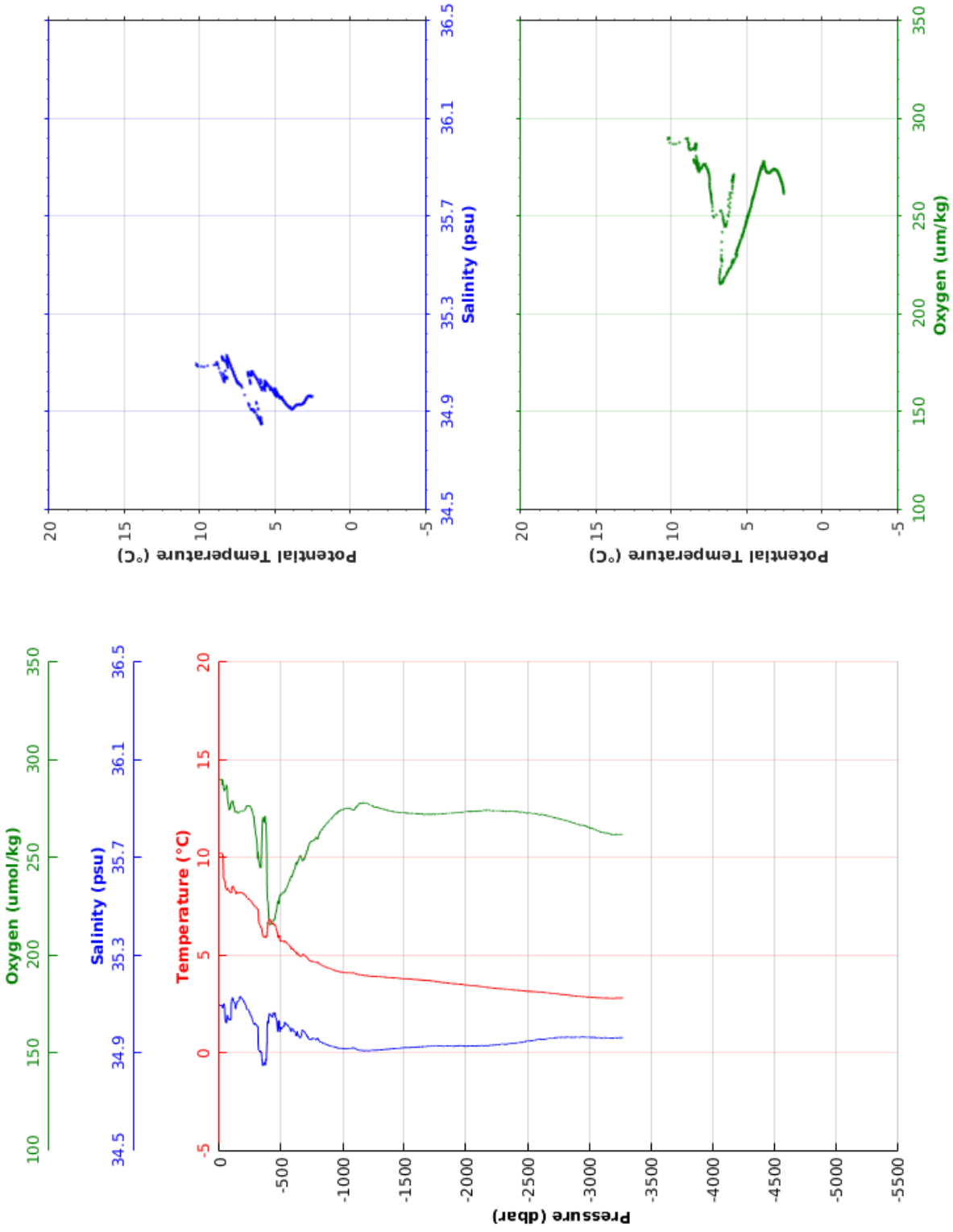
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.158	35.082	291.1	10.158	3050.0	2.816	34.959	263.9	2.563
10.0	10.159	35.081	291.1	10.158	3100.0	2.798	34.957	262.4	2.541
20.0	10.161	35.081	291.3	10.159	3150.0	2.786	34.957	261.1	2.524
30.0	10.109	35.079	290.7	10.105	3200.0	2.777	34.957	260.3	2.510
40.0	8.785	35.074	288.6	8.781	3250.0	2.799	34.962	262.4	2.526
50.0	8.578	35.051	284.6	8.573	3275.0	2.802	34.961	262.2	2.526
100.0	8.804	35.148	284.6	8.794					
150.0	8.082	35.089	273.7	8.067					
200.0	7.944	35.085	275.7	7.924					
250.0	7.562	35.025	272.7	7.537					
300.0	6.893	34.953	249.8	6.865					
350.0	6.126	34.876	254.7	6.096					
400.0	6.504	35.011	231.7	6.467					
450.0	6.377	35.043	220.2	6.336					
500.0	5.701	34.981	230.5	5.658					
550.0	5.583	35.007	234.2	5.536					
600.0	5.307	34.996	240.9	5.257					
650.0	5.074	34.985	247.2	5.020					
700.0	4.859	34.974	252.3	4.802					
750.0	4.712	34.966	256.1	4.652					
800.0	4.464	34.942	263.7	4.401					
850.0	4.336	34.931	268.0	4.270					
900.0	4.254	34.925	270.3	4.185					
950.0	4.169	34.919	272.9	4.095					
1000.0	4.110	34.916	274.6	4.033					
1050.0	4.091	34.918	274.7	4.010					
1100.0	4.051	34.917	275.1	3.966					
1150.0	3.968	34.909	277.5	3.879					
1200.0	3.932	34.908	277.6	3.839					
1250.0	3.906	34.909	276.6	3.809					
1300.0	3.883	34.911	275.1	3.782					
1350.0	3.861	34.913	274.4	3.756					
1400.0	3.847	34.915	273.7	3.738					
1450.0	3.817	34.917	273.2	3.704					
1500.0	3.796	34.919	273.1	3.678					
1550.0	3.772	34.921	272.8	3.650					
1600.0	3.743	34.922	272.3	3.616					
1650.0	3.724	34.924	272.2	3.593					
1700.0	3.689	34.926	272.1	3.555					
1750.0	3.648	34.928	272.1	3.509					
1800.0	3.594	34.927	272.3	3.451					
1850.0	3.567	34.927	272.5	3.421					
1900.0	3.520	34.927	272.9	3.369					
1950.0	3.477	34.927	273.3	3.322					
2000.0	3.439	34.927	273.6	3.280					
2050.0	3.398	34.927	273.7	3.235					
2100.0	3.366	34.927	274.0	3.199					
2150.0	3.335	34.929	274.0	3.163					
2200.0	3.311	34.930	274.0	3.135					
2250.0	3.273	34.933	273.7	3.092					
2300.0	3.257	34.936	273.8	3.073					
2350.0	3.226	34.936	273.6	3.037					
2400.0	3.199	34.939	273.4	3.005					
2450.0	3.178	34.942	273.2	2.980					
2500.0	3.161	34.944	273.0	2.958					
2550.0	3.136	34.949	272.7	2.929					
2600.0	3.105	34.952	272.2	2.894					
2650.0	3.068	34.957	271.5	2.851					
2700.0	3.024	34.960	270.4	2.803					
2750.0	2.992	34.962	269.8	2.767					
2800.0	2.943	34.962	268.7	2.714					
2850.0	2.903	34.961	267.1	2.670					
2900.0	2.903	34.962	267.1	2.664					
2950.0	2.877	34.963	266.7	2.634					
3000.0	2.852	34.963	265.8	2.605					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 62

Profile	: 63	Cruise	: GEOVIDE (Classic)
Station	: 32	Cast	: 7
Date	: 08/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3234 m	Organism	: CNRS - IFREMER
Position	: N 55 30.34 W 026 42.62		

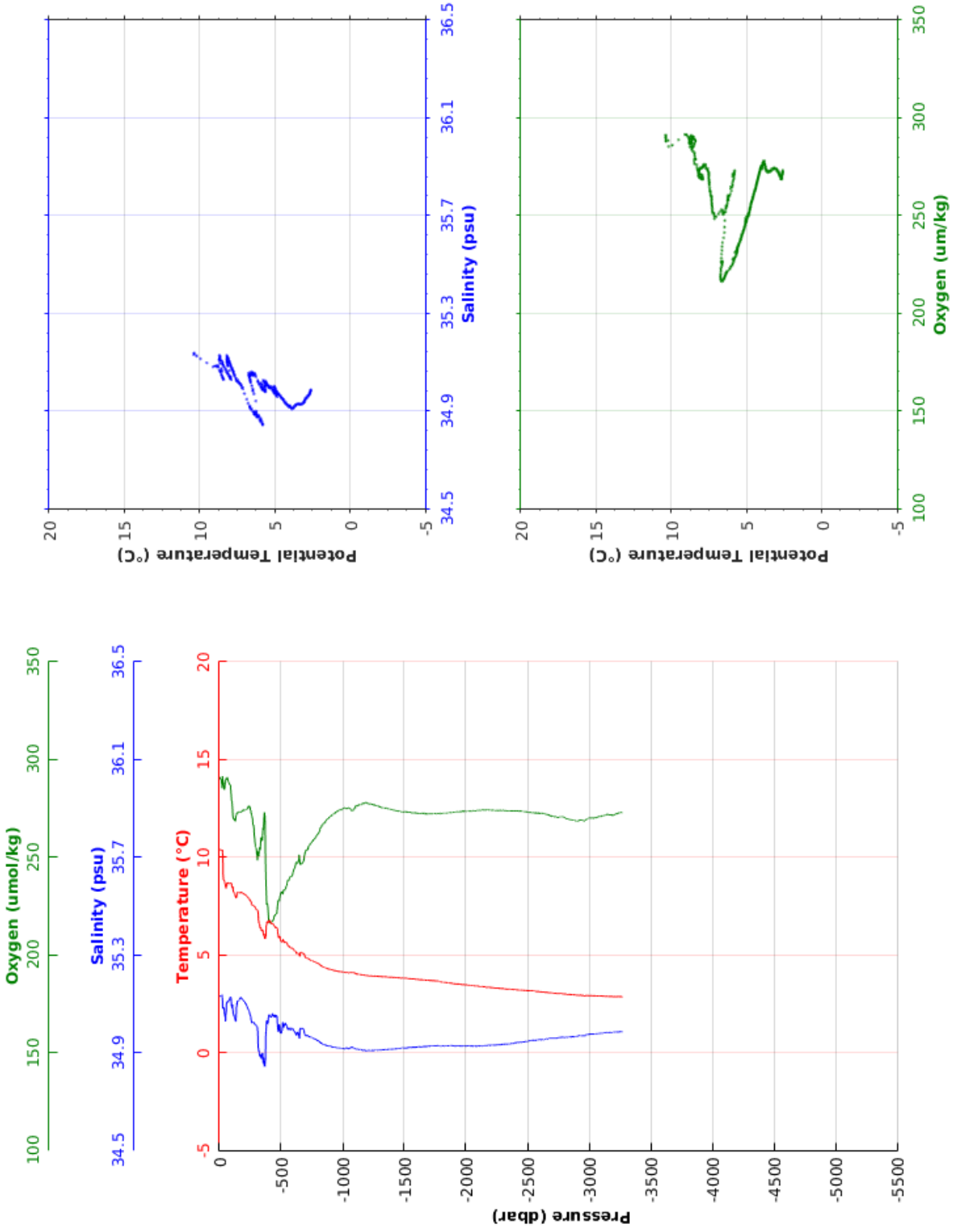
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.214	35.095	290.0	10.214	3050.0	2.822	34.962	264.4	2.569
10.0	10.213	35.094	289.7	10.211	3100.0	2.802	34.961	262.9	2.545
20.0	10.208	35.093	290.0	10.206	3150.0	2.797	34.961	262.5	2.535
30.0	9.698	35.082	286.9	9.695	3200.0	2.786	34.959	261.6	2.519
40.0	8.860	35.100	285.9	8.856	3250.0	2.794	34.961	261.6	2.521
50.0	8.434	35.030	285.3	8.429	3276.0	2.799	34.961	262.0	2.523
100.0	8.468	35.110	277.8	8.458					
150.0	8.218	35.111	273.4	8.203					
200.0	8.109	35.111	274.2	8.088					
250.0	7.787	35.060	276.3	7.762					
300.0	7.402	35.013	261.8	7.373					
350.0	6.077	34.865	259.4	6.046					
400.0	6.664	35.019	227.3	6.627					
450.0	6.533	35.064	218.0	6.491					
500.0	5.745	35.003	230.6	5.701					
550.0	5.599	35.016	234.3	5.552					
600.0	5.283	34.994	241.1	5.233					
650.0	4.983	34.967	249.0	4.930					
700.0	4.924	34.978	250.4	4.867					
750.0	4.663	34.954	258.5	4.604					
800.0	4.619	34.958	259.4	4.555					
850.0	4.418	34.938	265.4	4.351					
900.0	4.296	34.928	269.2	4.225					
950.0	4.191	34.921	272.2	4.118					
1000.0	4.121	34.917	274.4	4.044					
1050.0	4.090	34.917	275.2	4.008					
1100.0	4.058	34.918	274.6	3.973					
1150.0	3.973	34.909	277.8	3.884					
1200.0	3.939	34.908	277.8	3.846					
1250.0	3.909	34.909	276.3	3.813					
1300.0	3.888	34.911	275.4	3.787					
1350.0	3.865	34.913	274.6	3.760					
1400.0	3.838	34.916	273.7	3.728					
1450.0	3.808	34.918	273.3	3.694					
1500.0	3.782	34.920	272.9	3.664					
1550.0	3.767	34.921	272.6	3.645					
1600.0	3.742	34.923	272.3	3.616					
1650.0	3.711	34.924	272.2	3.581					
1700.0	3.690	34.926	272.2	3.555					
1750.0	3.652	34.928	272.2	3.514					
1800.0	3.612	34.928	272.3	3.469					
1850.0	3.567	34.928	272.5	3.420					
1900.0	3.530	34.926	272.8	3.379					
1950.0	3.507	34.928	273.0	3.352					
2000.0	3.467	34.927	273.4	3.308					
2050.0	3.443	34.927	273.6	3.279					
2100.0	3.413	34.928	273.8	3.245					
2150.0	3.365	34.928	274.0	3.193					
2200.0	3.332	34.930	274.2	3.155					
2250.0	3.291	34.932	273.9	3.110					
2300.0	3.269	34.936	273.9	3.084					
2350.0	3.240	34.936	273.7	3.050					
2400.0	3.208	34.939	273.6	3.014					
2450.0	3.181	34.942	273.2	2.983					
2500.0	3.148	34.947	273.0	2.945					
2550.0	3.126	34.950	272.5	2.919					
2600.0	3.105	34.955	271.9	2.893					
2650.0	3.077	34.955	271.6	2.861					
2700.0	3.034	34.959	270.8	2.813					
2750.0	3.000	34.962	270.0	2.775					
2800.0	2.972	34.962	269.1	2.743					
2850.0	2.927	34.962	268.2	2.694					
2900.0	2.894	34.962	267.3	2.656					
2950.0	2.871	34.964	266.6	2.628					
3000.0	2.842	34.963	265.5	2.595					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 63

Profile	: 64	Cruise	: GEOVIDE (Classic)
Station	: 32	Cast	: 9
Date	: 08/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3232 m	Organism	: CNRS - IFREMER
Position	: N 55 30.90 W 026 42.18		

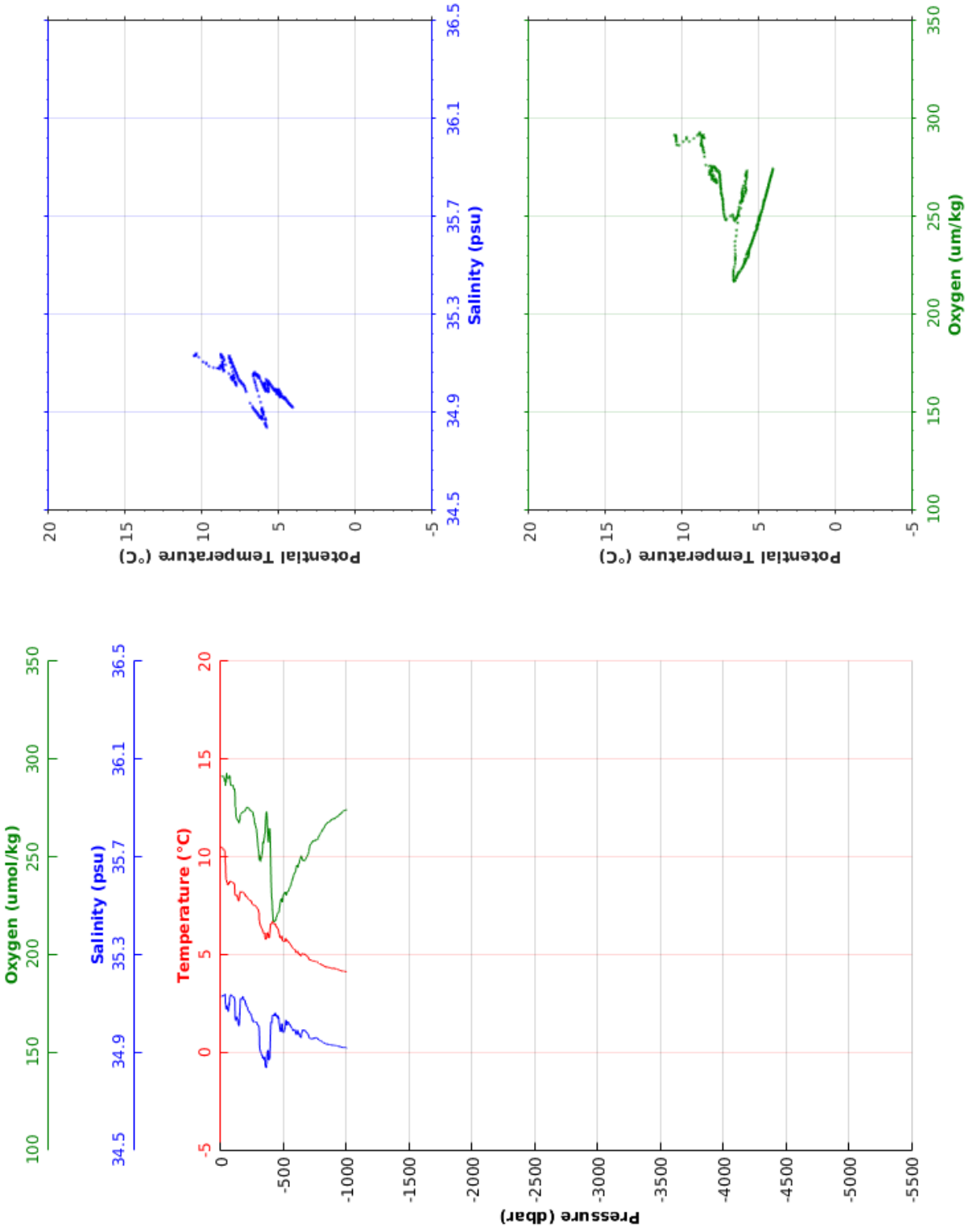
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.380	35.131	291.1	10.380	3050.0	2.901	34.976	270.2	2.647
10.0	10.379	35.131	290.8	10.378	3100.0	2.892	34.979	270.9	2.633
20.0	10.367	35.133	289.2	10.365	3150.0	2.880	34.982	271.9	2.616
30.0	9.108	35.080	291.5	9.105	3200.0	2.866	34.982	271.4	2.597
40.0	8.799	35.084	286.8	8.794	3250.0	2.866	34.985	272.7	2.591
50.0	8.500	35.040	286.2	8.494	3273.0	2.867	34.985	273.0	2.590
100.0	8.554	35.105	282.7	8.544					
150.0	8.197	35.111	272.8	8.182					
200.0	8.111	35.112	274.2	8.091					
250.0	7.772	35.057	276.0	7.747					
300.0	7.324	35.010	255.2	7.295					
350.0	6.269	34.893	259.2	6.238					
400.0	6.729	35.039	223.1	6.692					
450.0	6.436	35.047	219.9	6.395					
500.0	5.689	34.980	230.8	5.646					
550.0	5.561	35.010	235.3	5.514					
600.0	5.284	34.995	241.4	5.234					
650.0	4.952	34.962	249.8	4.899					
700.0	4.857	34.970	252.3	4.801					
750.0	4.712	34.962	257.3	4.652					
800.0	4.554	34.948	261.7	4.491					
850.0	4.367	34.933	267.2	4.300					
900.0	4.261	34.926	270.5	4.192					
950.0	4.171	34.920	273.1	4.098					
1000.0	4.119	34.917	274.8	4.042					
1050.0	4.082	34.916	275.3	4.001					
1100.0	4.061	34.918	274.8	3.976					
1150.0	3.987	34.912	277.0	3.898					
1200.0	3.935	34.907	278.0	3.842					
1250.0	3.914	34.908	277.0	3.817					
1300.0	3.891	34.910	275.9	3.790					
1350.0	3.876	34.912	275.1	3.771					
1400.0	3.853	34.914	274.5	3.743					
1450.0	3.831	34.917	273.6	3.717					
1500.0	3.809	34.918	273.2	3.691					
1550.0	3.779	34.920	273.0	3.657					
1600.0	3.752	34.922	272.6	3.625					
1650.0	3.721	34.924	272.4	3.591					
1700.0	3.686	34.926	272.2	3.552					
1750.0	3.671	34.927	272.2	3.532					
1800.0	3.614	34.927	272.4	3.471					
1850.0	3.573	34.927	272.9	3.426					
1900.0	3.526	34.927	273.0	3.375					
1950.0	3.499	34.927	273.3	3.344					
2000.0	3.466	34.927	273.5	3.306					
2050.0	3.435	34.927	273.8	3.271					
2100.0	3.400	34.927	274.1	3.232					
2150.0	3.364	34.928	274.2	3.192					
2200.0	3.333	34.930	274.0	3.156					
2250.0	3.301	34.931	274.0	3.120					
2300.0	3.278	34.934	274.1	3.093					
2350.0	3.238	34.936	273.8	3.049					
2400.0	3.221	34.940	273.8	3.026					
2450.0	3.189	34.943	273.7	2.991					
2500.0	3.167	34.946	273.1	2.964					
2550.0	3.153	34.950	272.8	2.945					
2600.0	3.116	34.952	272.4	2.904					
2650.0	3.083	34.954	272.1	2.867					
2700.0	3.047	34.959	271.1	2.827					
2750.0	3.022	34.961	270.3	2.796					
2800.0	2.999	34.963	270.5	2.769					
2850.0	2.968	34.964	269.4	2.733					
2900.0	2.938	34.966	268.7	2.699					
2950.0	2.921	34.969	268.9	2.677					
3000.0	2.915	34.975	269.9	2.666					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 64

Profile : 65	Cruise : GEOVIDE (Classic)
Station : 32	Cast : 10
Date : 08/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3232 m	Organism : CNRS - IFREMER
Position : N 55 30.90 W 026 42.18	

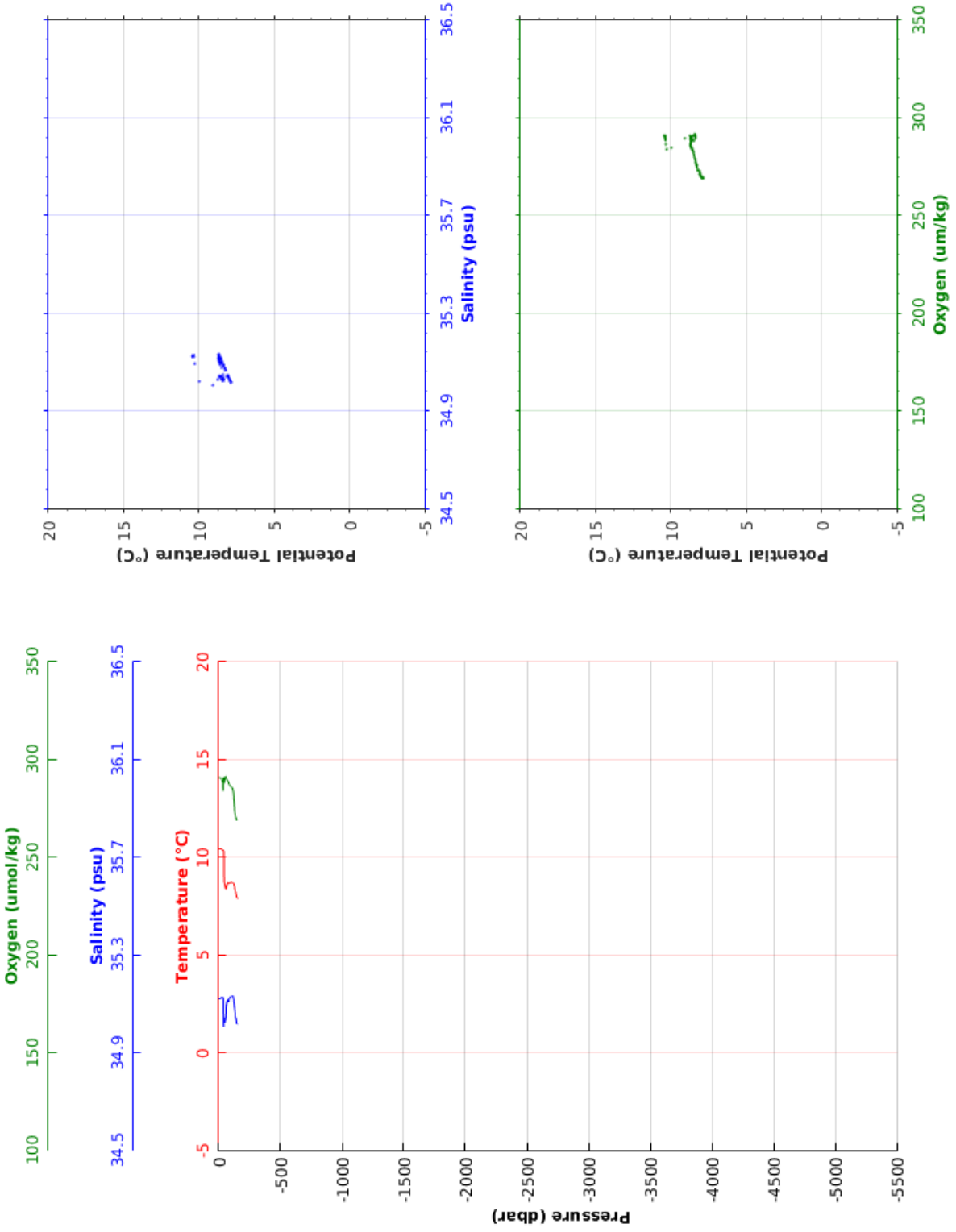
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.487	35.129	291.3	10.487
10.0	10.468	35.128	291.5	10.467
20.0	10.383	35.133	290.2	10.381
30.0	10.369	35.134	288.2	10.366
40.0	9.231	35.080	289.8	9.227
50.0	8.679	35.080	290.5	8.674
100.0	8.627	35.122	284.8	8.617
150.0	7.927	35.051	270.4	7.912
200.0	7.988	35.092	275.0	7.967
250.0	7.595	35.031	272.8	7.570
300.0	7.285	35.008	251.1	7.256
350.0	6.085	34.869	262.8	6.055
400.0	6.547	35.020	230.9	6.510
450.0	6.349	35.040	221.0	6.309
500.0	5.692	34.985	231.0	5.649
550.0	5.575	35.013	234.9	5.528
600.0	5.114	34.972	245.3	5.065
650.0	5.060	34.991	247.8	5.007
700.0	4.801	34.963	253.6	4.745
750.0	4.648	34.956	258.6	4.588
800.0	4.491	34.945	263.0	4.428
850.0	4.351	34.932	267.5	4.285
900.0	4.284	34.928	269.5	4.214
950.0	4.201	34.923	271.8	4.128
1000.0	4.122	34.917	274.3	4.045
1002.0	4.124	34.917	274.3	4.046


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 65

Profile	: 66	Cruise	: GEOVIDE (Classic)
Station	: 32	Cast	: 12
Date	: 08/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3232 m	Organism	: CNRS - IFREMER
Position	: N 55 30.90 W 026 42.18		

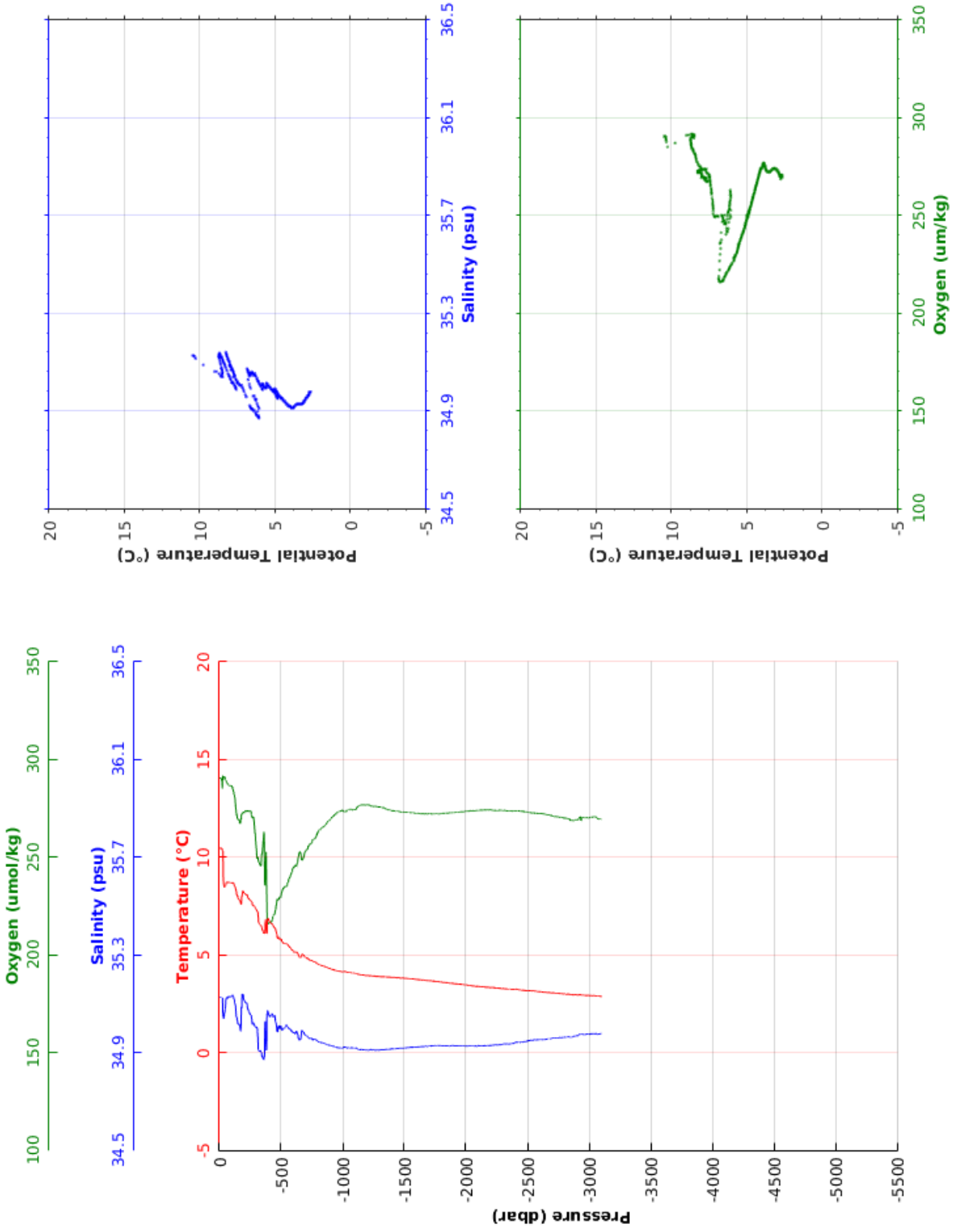
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.425	35.121	290.6	10.425
10.0	10.426	35.121	290.7	10.425
20.0	10.426	35.121	290.9	10.424
30.0	10.373	35.127	289.6	10.369
40.0	10.337	35.122	286.4	10.332
50.0	8.539	35.039	288.1	8.533
100.0	8.711	35.130	286.6	8.700
150.0	7.891	35.016	269.2	7.876
152.0	7.862	35.018	269.1	7.847


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 66

Profile : 67	Cruise : GEOVIDE (Classic)
Station : 32	Cast : 14
Date : 09/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3232 m	Organism : CNRS - IFREMER
Position : N 55 30.89 W 026 42.22	

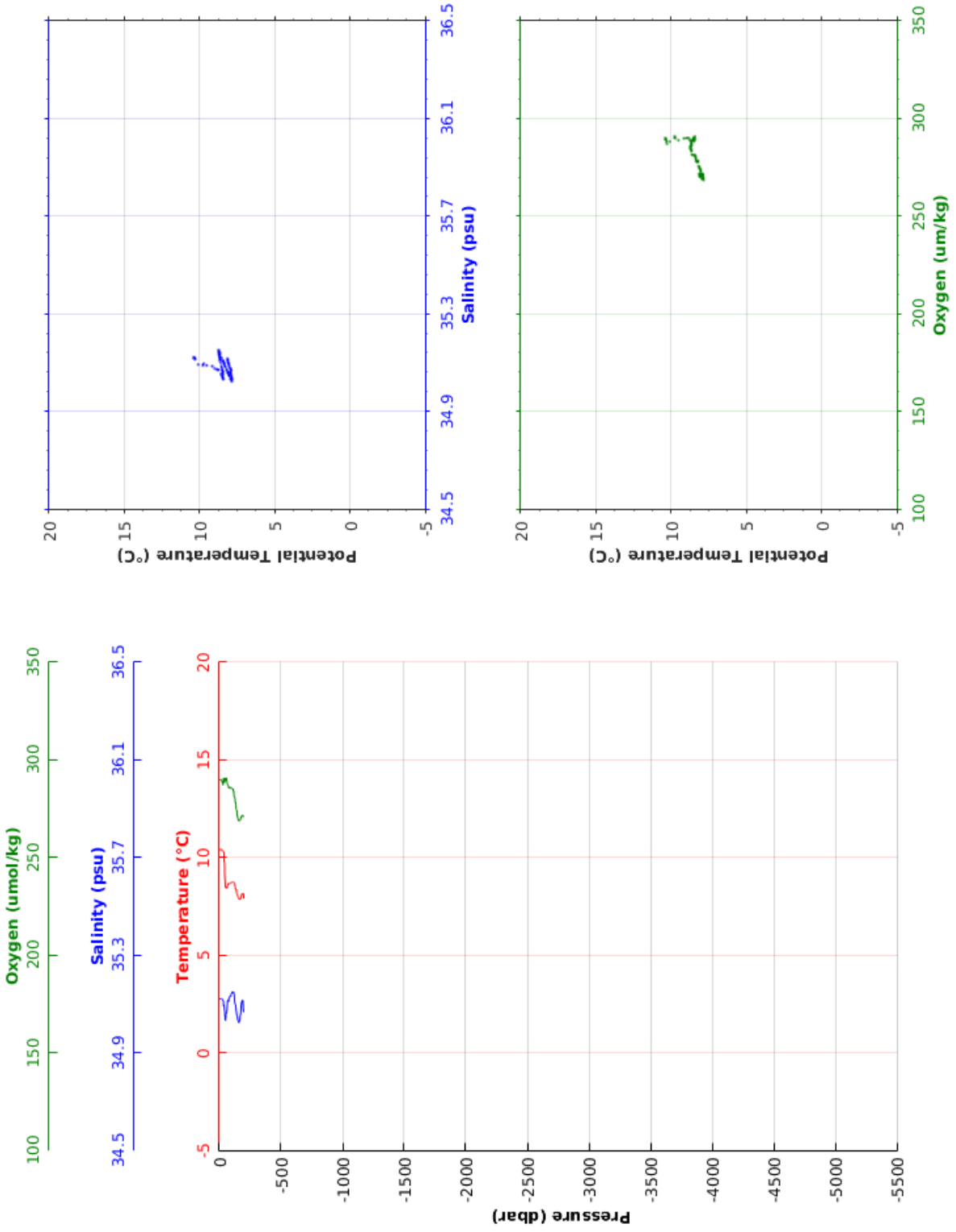
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.455	35.126	290.7	10.455	3050.0	2.900	34.977	270.8	2.646
10.0	10.456	35.127	290.7	10.455	3100.0	2.879	34.977	269.7	2.621
20.0	10.457	35.127	290.3	10.455	3103.0	2.879	34.977	269.8	2.620
30.0	9.751	35.088	287.1	9.747					
40.0	8.492	35.047	290.7	8.488					
50.0	8.555	35.077	291.2	8.550					
100.0	8.683	35.128	286.8	8.672					
150.0	7.954	35.029	270.3	7.939					
200.0	8.156	35.117	273.0	8.135					
250.0	7.797	35.061	273.6	7.772					
300.0	7.289	35.003	257.9	7.261					
350.0	6.242	34.883	251.8	6.211					
400.0	6.799	35.060	215.9	6.762					
450.0	6.379	35.050	220.6	6.338					
500.0	5.799	35.006	229.6	5.756					
550.0	5.566	35.011	235.0	5.520					
600.0	5.164	34.980	244.0	5.115					
650.0	4.885	34.952	251.3	4.833					
700.0	4.853	34.970	252.6	4.797					
750.0	4.709	34.959	256.9	4.649					
800.0	4.528	34.946	262.2	4.465					
850.0	4.417	34.938	265.5	4.350					
900.0	4.295	34.930	269.0	4.225					
950.0	4.189	34.922	272.2	4.116					
1000.0	4.132	34.918	274.0	4.055					
1050.0	4.106	34.919	274.1	4.024					
1100.0	4.056	34.918	274.3	3.971					
1150.0	3.979	34.911	276.7	3.890					
1200.0	3.944	34.911	276.7	3.851					
1250.0	3.919	34.911	276.0	3.822					
1300.0	3.891	34.910	275.6	3.790					
1350.0	3.868	34.912	274.9	3.762					
1400.0	3.850	34.915	274.0	3.740					
1450.0	3.826	34.917	273.4	3.713					
1500.0	3.808	34.918	273.1	3.690					
1550.0	3.777	34.921	272.9	3.655					
1600.0	3.743	34.922	272.5	3.617					
1650.0	3.712	34.924	272.2	3.581					
1700.0	3.680	34.926	272.2	3.545					
1750.0	3.643	34.928	272.2	3.505					
1800.0	3.609	34.928	272.4	3.466					
1850.0	3.572	34.927	272.5	3.426					
1900.0	3.537	34.928	272.9	3.386					
1950.0	3.502	34.927	273.1	3.346					
2000.0	3.458	34.927	273.7	3.299					
2050.0	3.415	34.927	273.7	3.252					
2100.0	3.382	34.927	274.0	3.215					
2150.0	3.357	34.928	274.1	3.185					
2200.0	3.326	34.929	274.2	3.149					
2250.0	3.303	34.931	273.9	3.122					
2300.0	3.272	34.933	274.0	3.087					
2350.0	3.242	34.935	273.8	3.053					
2400.0	3.231	34.940	273.8	3.037					
2450.0	3.198	34.942	273.5	2.999					
2500.0	3.164	34.946	273.1	2.961					
2550.0	3.146	34.951	272.6	2.939					
2600.0	3.114	34.953	272.3	2.902					
2650.0	3.083	34.954	272.0	2.866					
2700.0	3.050	34.957	271.4	2.829					
2750.0	3.028	34.960	270.7	2.802					
2800.0	3.002	34.962	270.0	2.772					
2850.0	2.966	34.964	268.7	2.732					
2900.0	2.948	34.968	269.2	2.708					
2950.0	2.940	34.974	270.3	2.696					
3000.0	2.915	34.975	270.2	2.666					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 67

Profile	: 68	Cruise	: GEOVIDE (Classic)
Station	: 32	Cast	: 15
Date	: 09/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3232 m	Organism	: CNRS - IFREMER
Position	: N 55 30.89 W 026 42.22		

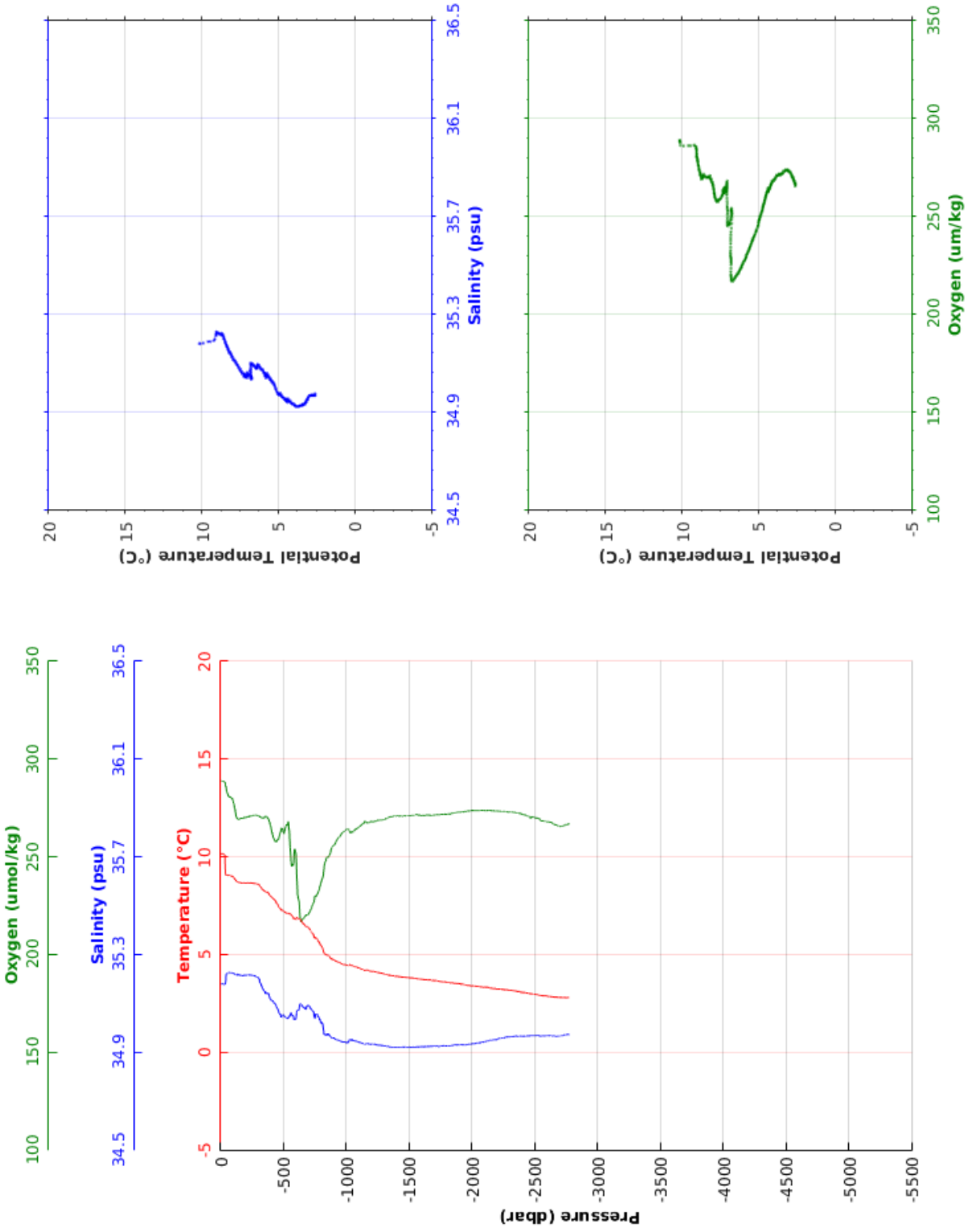
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.394	35.120	289.5	10.393
10.0	10.394	35.121	289.8	10.393
20.0	10.384	35.121	289.7	10.381
30.0	10.319	35.118	288.3	10.316
40.0	9.753	35.091	290.8	9.748
50.0	8.496	35.043	288.3	8.491
100.0	8.721	35.141	285.8	8.710
150.0	8.020	35.044	271.5	8.004
200.0	7.906	35.068	270.9	7.886
201.0	7.897	35.067	270.8	7.877


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 68

Profile	: 69	Cruise	: GEOVIDE (Classic)
Station	: 33	Cast	: 1
Date	: 09/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2740 m	Organism	: CNRS - IFREMER
Position	: N 56 15.12 W 027 17.55		

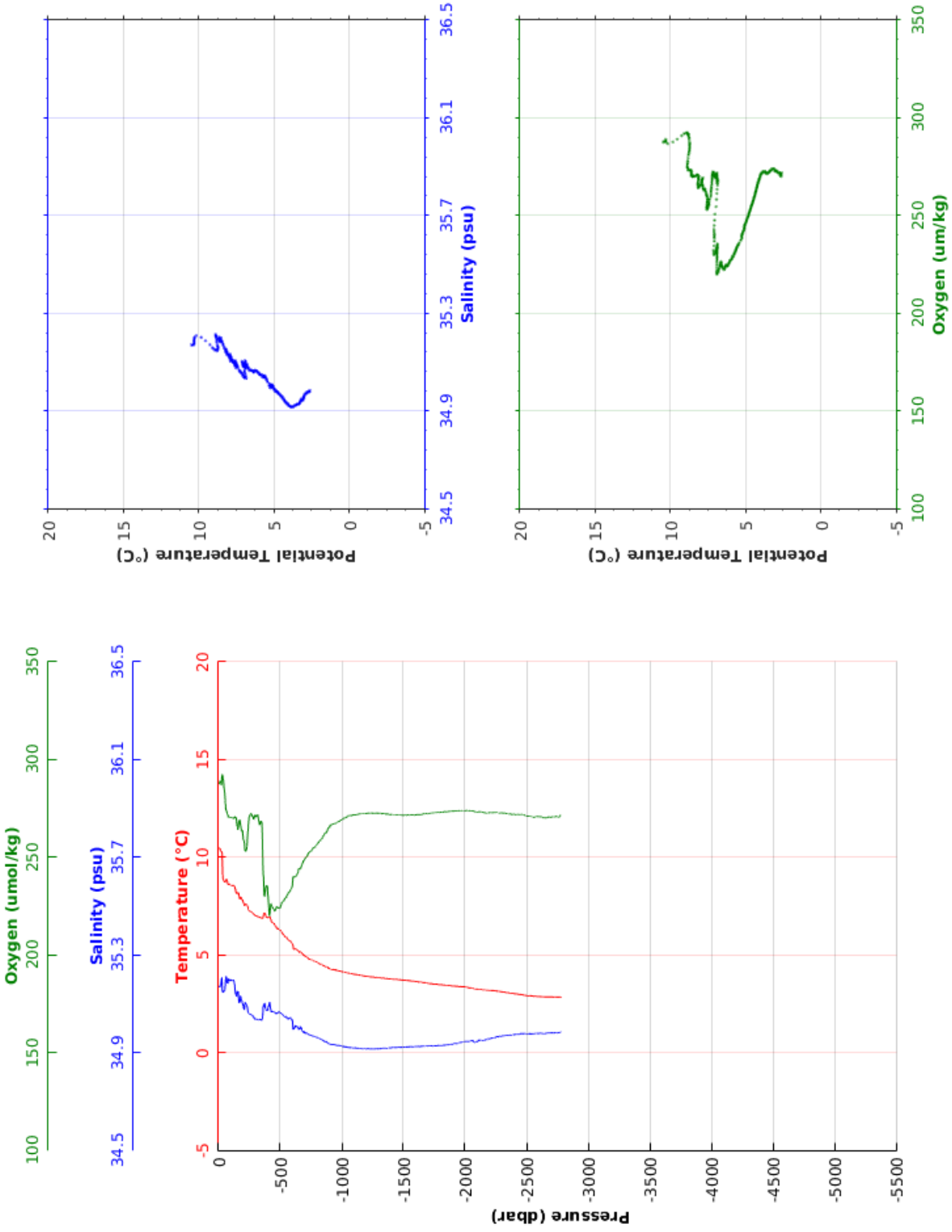
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.152	35.179	288.9	10.152
10.0	10.147	35.179	288.7	10.146
20.0	10.151	35.179	288.6	10.148
30.0	10.127	35.177	288.0	10.123
40.0	9.061	35.213	284.8	9.057
50.0	9.046	35.223	282.3	9.041
100.0	8.962	35.223	277.1	8.951
150.0	8.670	35.215	269.6	8.654
200.0	8.656	35.215	270.2	8.635
250.0	8.650	35.214	271.2	8.624
300.0	8.585	35.202	271.0	8.553
350.0	8.240	35.144	270.4	8.204
400.0	7.956	35.113	263.8	7.915
450.0	7.585	35.077	258.5	7.540
500.0	7.227	35.050	262.3	7.178
550.0	7.074	35.047	253.6	7.021
600.0	6.828	35.049	243.9	6.771
650.0	6.630	35.087	218.1	6.569
700.0	6.368	35.092	221.1	6.303
750.0	5.856	35.046	229.9	5.789
800.0	5.429	35.017	238.1	5.360
850.0	4.965	34.975	249.7	4.895
900.0	4.738	34.958	256.0	4.664
950.0	4.569	34.945	260.9	4.493
1000.0	4.448	34.939	264.2	4.368
1050.0	4.416	34.947	263.0	4.332
1100.0	4.303	34.940	265.6	4.215
1150.0	4.194	34.932	268.2	4.104
1200.0	4.141	34.933	268.1	4.046
1250.0	4.075	34.929	268.8	3.977
1300.0	4.014	34.926	269.3	3.911
1350.0	3.930	34.921	270.5	3.824
1400.0	3.879	34.920	270.9	3.769
1450.0	3.842	34.921	270.9	3.728
1500.0	3.808	34.921	271.1	3.690
1550.0	3.770	34.921	271.5	3.648
1600.0	3.725	34.922	271.1	3.599
1650.0	3.699	34.923	271.3	3.569
1700.0	3.667	34.925	271.3	3.533
1750.0	3.610	34.925	271.7	3.471
1800.0	3.583	34.926	271.9	3.440
1850.0	3.544	34.929	272.4	3.397
1900.0	3.506	34.930	272.9	3.355
1950.0	3.434	34.929	273.1	3.280
2000.0	3.394	34.934	273.6	3.236
2050.0	3.365	34.938	273.7	3.202
2100.0	3.328	34.942	273.8	3.161
2150.0	3.275	34.949	273.6	3.104
2200.0	3.231	34.953	273.4	3.056
2250.0	3.204	34.959	273.3	3.024
2300.0	3.166	34.963	273.0	2.982
2350.0	3.123	34.966	272.6	2.935
2400.0	3.060	34.966	271.6	2.869
2450.0	3.008	34.966	270.7	2.813
2500.0	2.951	34.968	270.1	2.752
2550.0	2.898	34.966	268.4	2.695
2600.0	2.861	34.968	268.0	2.654
2650.0	2.820	34.966	266.7	2.609
2700.0	2.800	34.966	265.5	2.584
2750.0	2.795	34.971	266.5	2.574
2774.0	2.800	34.973	267.0	2.577


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 69

Profile : 70	Cruise : GEOVIDE (Classic)
Station : 34	Cast : 1
Date : 09/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2803 m	Organism : CNRS - IFREMER
Position : N 57 0.23 W 027 52.71	

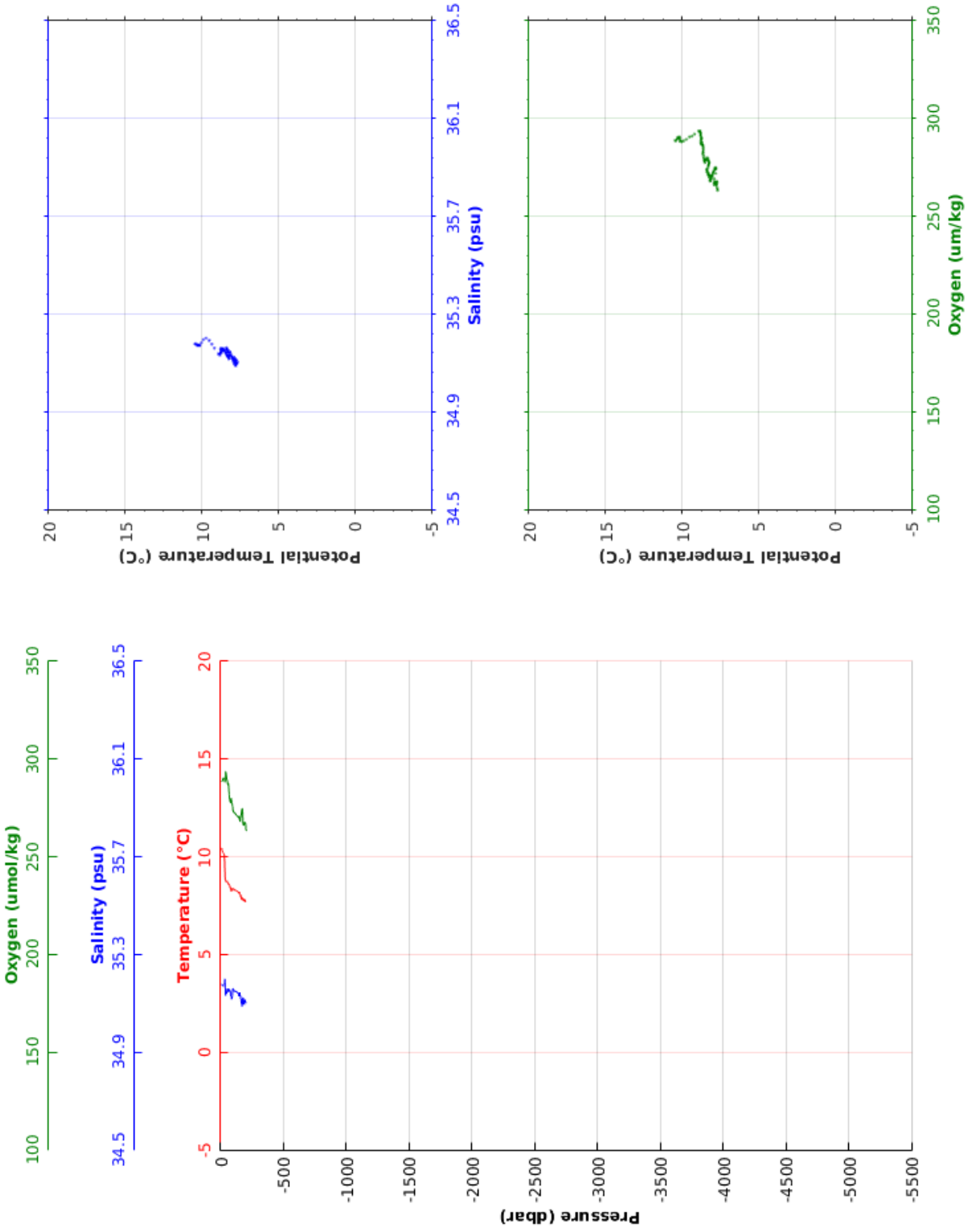
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.465	35.170	287.7	10.465
10.0	10.451	35.170	287.5	10.450
20.0	10.304	35.180	288.9	10.301
30.0	9.835	35.200	287.6	9.831
40.0	8.793	35.146	291.4	8.789
50.0	8.723	35.155	285.7	8.717
100.0	8.566	35.195	270.4	8.555
150.0	8.114	35.130	269.7	8.099
200.0	7.719	35.099	263.7	7.699
250.0	7.246	35.059	268.2	7.222
300.0	7.004	35.036	271.7	6.975
350.0	6.880	35.033	268.5	6.847
400.0	6.904	35.073	235.2	6.866
450.0	6.620	35.068	223.7	6.578
500.0	6.276	35.065	223.9	6.231
550.0	5.890	35.047	229.2	5.842
600.0	5.558	35.031	234.9	5.506
650.0	5.190	35.001	242.1	5.136
700.0	4.963	34.985	248.3	4.905
750.0	4.755	34.972	252.9	4.694
800.0	4.615	34.962	256.2	4.551
850.0	4.458	34.950	260.1	4.391
900.0	4.299	34.936	265.2	4.229
950.0	4.230	34.932	267.2	4.156
1000.0	4.152	34.927	269.0	4.074
1050.0	4.078	34.921	270.8	3.997
1100.0	4.004	34.919	271.7	3.919
1150.0	3.952	34.916	272.1	3.864
1200.0	3.904	34.915	272.3	3.811
1250.0	3.866	34.915	272.6	3.769
1300.0	3.833	34.916	272.5	3.733
1350.0	3.799	34.917	272.2	3.695
1400.0	3.765	34.919	271.8	3.656
1450.0	3.737	34.921	271.7	3.624
1500.0	3.706	34.922	271.5	3.589
1550.0	3.675	34.923	271.6	3.554
1600.0	3.637	34.924	271.7	3.512
1650.0	3.594	34.926	272.0	3.465
1700.0	3.546	34.927	272.4	3.413
1750.0	3.507	34.927	272.7	3.370
1800.0	3.469	34.929	273.1	3.328
1850.0	3.444	34.931	273.2	3.298
1900.0	3.407	34.935	273.5	3.258
1950.0	3.381	34.938	273.8	3.227
2000.0	3.360	34.945	273.9	3.202
2050.0	3.307	34.947	273.9	3.145
2100.0	3.239	34.945	273.1	3.074
2150.0	3.202	34.949	273.0	3.032
2200.0	3.178	34.956	272.8	3.004
2250.0	3.159	34.962	272.9	2.980
2300.0	3.111	34.968	272.7	2.928
2350.0	3.064	34.970	272.2	2.877
2400.0	3.012	34.974	271.9	2.822
2450.0	2.972	34.977	271.9	2.777
2500.0	2.916	34.976	271.3	2.718
2550.0	2.888	34.976	270.7	2.685
2600.0	2.866	34.979	270.9	2.658
2650.0	2.844	34.978	270.1	2.632
2700.0	2.842	34.980	270.6	2.626
2750.0	2.840	34.981	270.9	2.618
2785.0	2.842	34.983	271.7	2.616


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 70

Profile	: 71	Cruise	: GEOVIDE (Classic)
Station	: 34	Cast	: 3
Date	: 09/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2803 m	Organism	: CNRS - IFREMER
Position	: N 57 0.23 W 027 52.71		

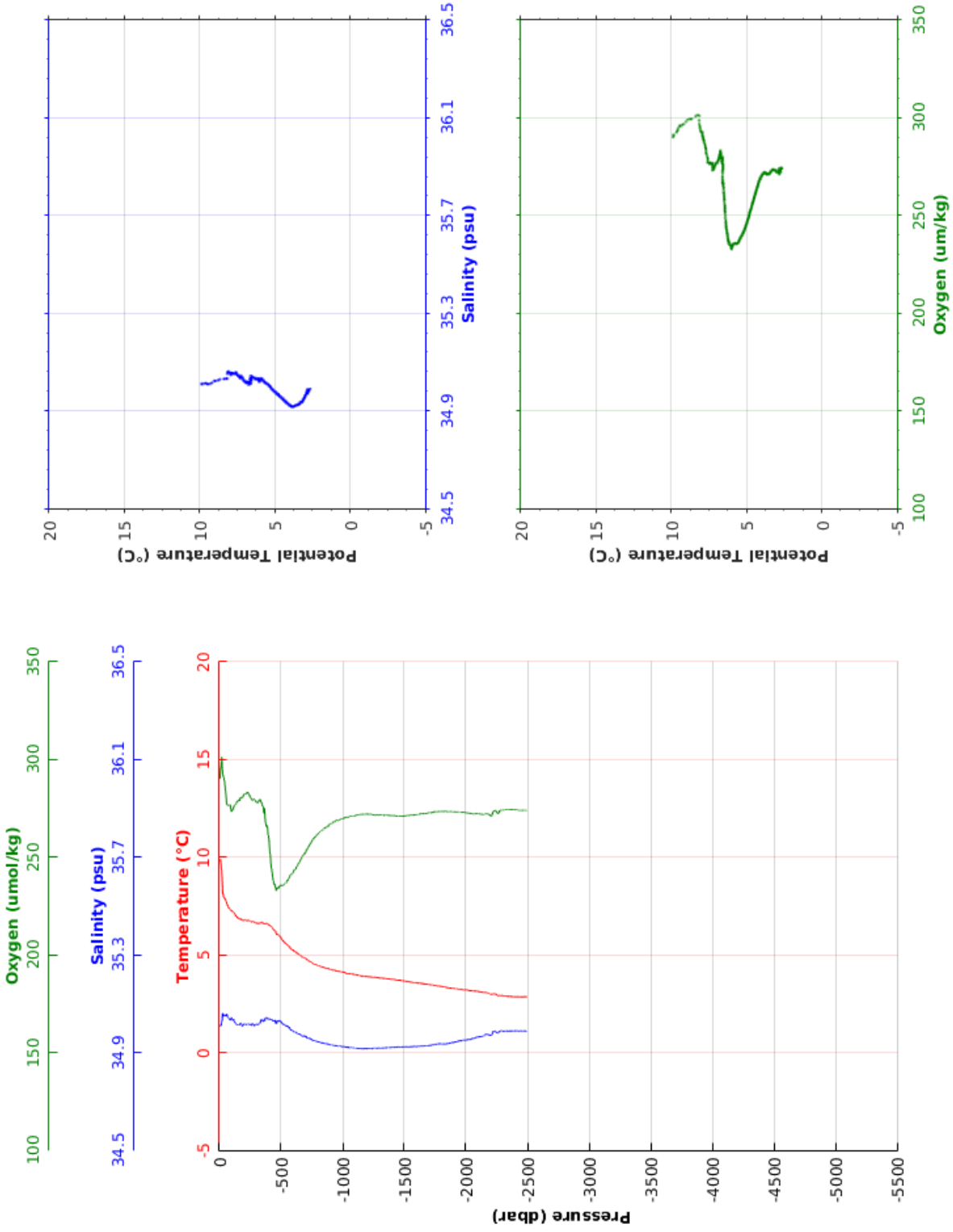
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	10.434	35.176	288.6	10.434
10.0	10.397	35.178	288.8	10.396
20.0	10.210	35.171	290.5	10.207
30.0	9.891	35.195	288.6	9.887
40.0	8.783	35.141	291.4	8.779
50.0	8.759	35.159	288.0	8.753
100.0	8.366	35.156	272.7	8.355
150.0	8.173	35.143	268.0	8.157
200.0	7.678	35.099	263.3	7.658


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 71

Profile : 72	Cruise : GEOVIDE (Classic)
Station : 35	Cast : 1
Date : 10/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2468 m	Organism : CNRS - IFREMER
Position : N 57 40.49 W 028 43.80	

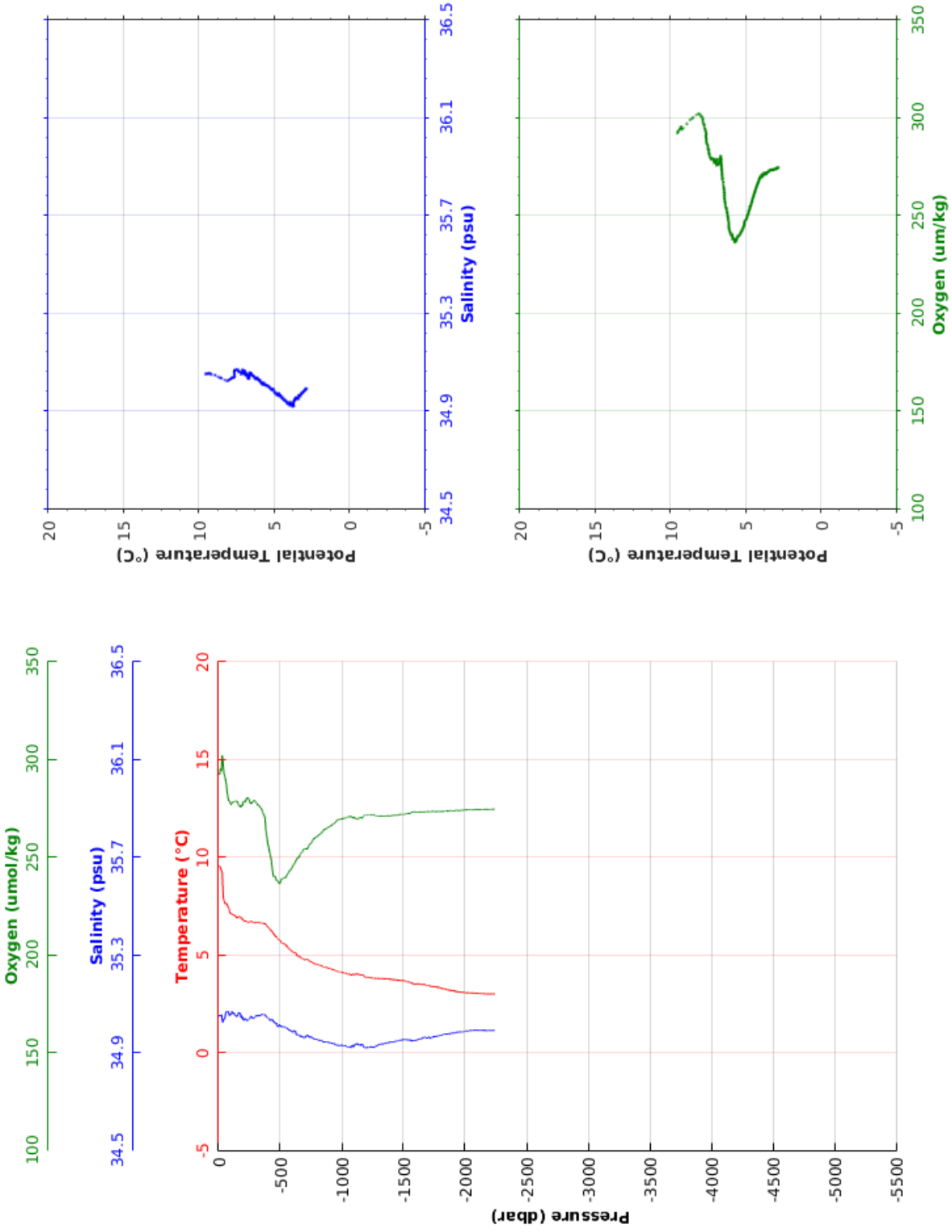
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.830	35.010	291.1	9.829
10.0	9.881	35.010	290.2	9.880
20.0	9.037	35.022	298.0	9.034
30.0	8.090	35.061	294.7	8.087
40.0	7.928	35.053	290.7	7.924
50.0	7.814	35.053	287.3	7.809
100.0	7.244	35.037	274.8	7.234
150.0	6.891	35.015	278.6	6.877
200.0	6.772	35.015	281.6	6.753
250.0	6.733	35.014	281.7	6.710
300.0	6.628	35.012	278.4	6.601
350.0	6.663	35.034	277.3	6.631
400.0	6.549	35.038	261.6	6.512
450.0	6.223	35.028	236.0	6.183
500.0	5.867	35.028	235.6	5.823
550.0	5.502	35.007	237.5	5.456
600.0	5.234	34.989	241.7	5.185
650.0	4.995	34.975	247.1	4.942
700.0	4.799	34.964	252.4	4.743
750.0	4.606	34.954	257.6	4.547
800.0	4.452	34.944	261.7	4.389
850.0	4.346	34.937	264.4	4.279
900.0	4.261	34.931	266.9	4.191
950.0	4.174	34.927	268.7	4.101
1000.0	4.116	34.924	269.7	4.039
1050.0	4.046	34.921	270.6	3.965
1100.0	3.995	34.919	271.1	3.910
1150.0	3.919	34.916	271.9	3.831
1200.0	3.888	34.916	272.1	3.796
1250.0	3.862	34.917	271.8	3.766
1300.0	3.819	34.918	271.7	3.719
1350.0	3.783	34.919	271.6	3.679
1400.0	3.749	34.921	271.3	3.640
1450.0	3.706	34.922	271.0	3.594
1500.0	3.661	34.923	271.1	3.545
1550.0	3.618	34.924	271.4	3.498
1600.0	3.569	34.924	271.8	3.445
1650.0	3.527	34.927	272.2	3.399
1700.0	3.478	34.928	272.7	3.346
1750.0	3.429	34.934	273.2	3.293
1800.0	3.389	34.936	273.4	3.249
1850.0	3.319	34.936	273.4	3.175
1900.0	3.275	34.941	273.3	3.128
1950.0	3.241	34.947	273.1	3.090
2000.0	3.208	34.951	272.9	3.052
2050.0	3.158	34.956	272.3	2.999
2100.0	3.130	34.964	272.3	2.966
2150.0	3.073	34.969	271.9	2.905
2200.0	2.986	34.970	271.4	2.815
2250.0	2.967	34.984	273.5	2.792
2300.0	2.904	34.988	274.2	2.725
2350.0	2.876	34.988	274.3	2.692
2400.0	2.857	34.988	274.4	2.670
2450.0	2.848	34.988	274.0	2.656
2497.0	2.854	34.988	274.1	2.656


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 72

Profile : 73	Cruise : GEOVIDE (Classic)
Station : 36	Cast : 1
Date : 10/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2220 m	Organism : CNRS - IFREMER
Position : N 58 12.44 W 029 43.48	

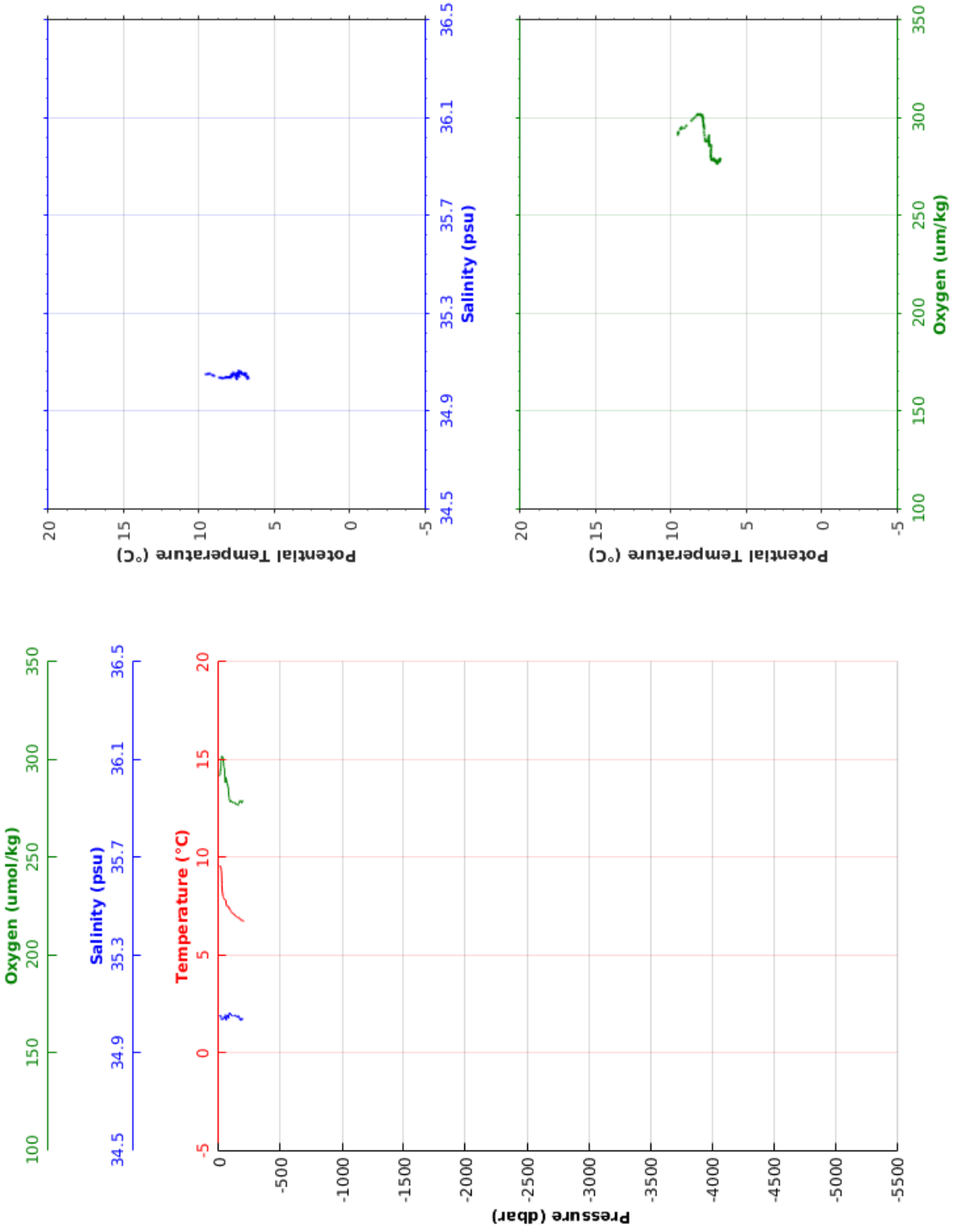
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.528	35.050	292.2	9.528
10.0	9.531	35.051	292.4	9.529
20.0	9.309	35.053	295.3	9.307
30.0	9.155	35.049	294.8	9.152
40.0	7.870	35.031	300.1	7.866
50.0	7.651	35.037	293.1	7.646
100.0	7.131	35.059	278.1	7.122
150.0	6.907	35.047	278.8	6.893
200.0	6.811	35.044	276.7	6.793
250.0	6.687	35.036	280.0	6.664
300.0	6.651	35.046	278.9	6.624
350.0	6.639	35.055	275.2	6.607
400.0	6.440	35.044	259.4	6.403
450.0	6.044	35.027	241.1	6.005
500.0	5.723	35.014	236.4	5.680
550.0	5.478	35.002	239.7	5.432
600.0	5.175	34.986	244.4	5.125
650.0	4.939	34.972	249.8	4.886
700.0	4.755	34.962	254.1	4.699
750.0	4.644	34.963	257.0	4.584
800.0	4.512	34.953	260.5	4.448
850.0	4.396	34.945	263.3	4.329
900.0	4.303	34.941	265.4	4.233
950.0	4.194	34.934	267.7	4.120
1000.0	4.111	34.930	269.4	4.033
1050.0	4.015	34.924	270.5	3.935
1100.0	3.970	34.924	270.6	3.885
1150.0	3.983	34.933	270.0	3.894
1200.0	3.858	34.920	271.7	3.765
1250.0	3.813	34.922	271.6	3.717
1300.0	3.790	34.930	271.2	3.690
1350.0	3.783	34.938	271.0	3.678
1400.0	3.752	34.942	271.3	3.643
1450.0	3.717	34.947	271.6	3.605
1500.0	3.678	34.952	272.0	3.562
1550.0	3.603	34.952	272.5	3.483
1600.0	3.509	34.949	273.1	3.386
1650.0	3.488	34.956	273.2	3.360
1700.0	3.427	34.961	273.3	3.296
1750.0	3.363	34.965	273.4	3.228
1800.0	3.314	34.971	273.4	3.175
1850.0	3.227	34.975	273.5	3.085
1900.0	3.166	34.980	273.8	3.020
1950.0	3.107	34.983	274.0	2.957
2000.0	3.062	34.987	274.1	2.908
2050.0	3.046	34.990	274.3	2.888
2100.0	3.035	34.991	274.4	2.873
2150.0	3.013	34.990	274.5	2.847
2200.0	2.999	34.990	274.5	2.828
2244.0	2.995	34.990	274.7	2.820


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 73

Profile	: 74	Cruise	: GEOVIDE (Classic)
Station	: 36	Cast	: 3
Date	: 10/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2220 m	Organism	: CNRS - IFREMER
Position	: N 58 12.44 W 029 43.48		

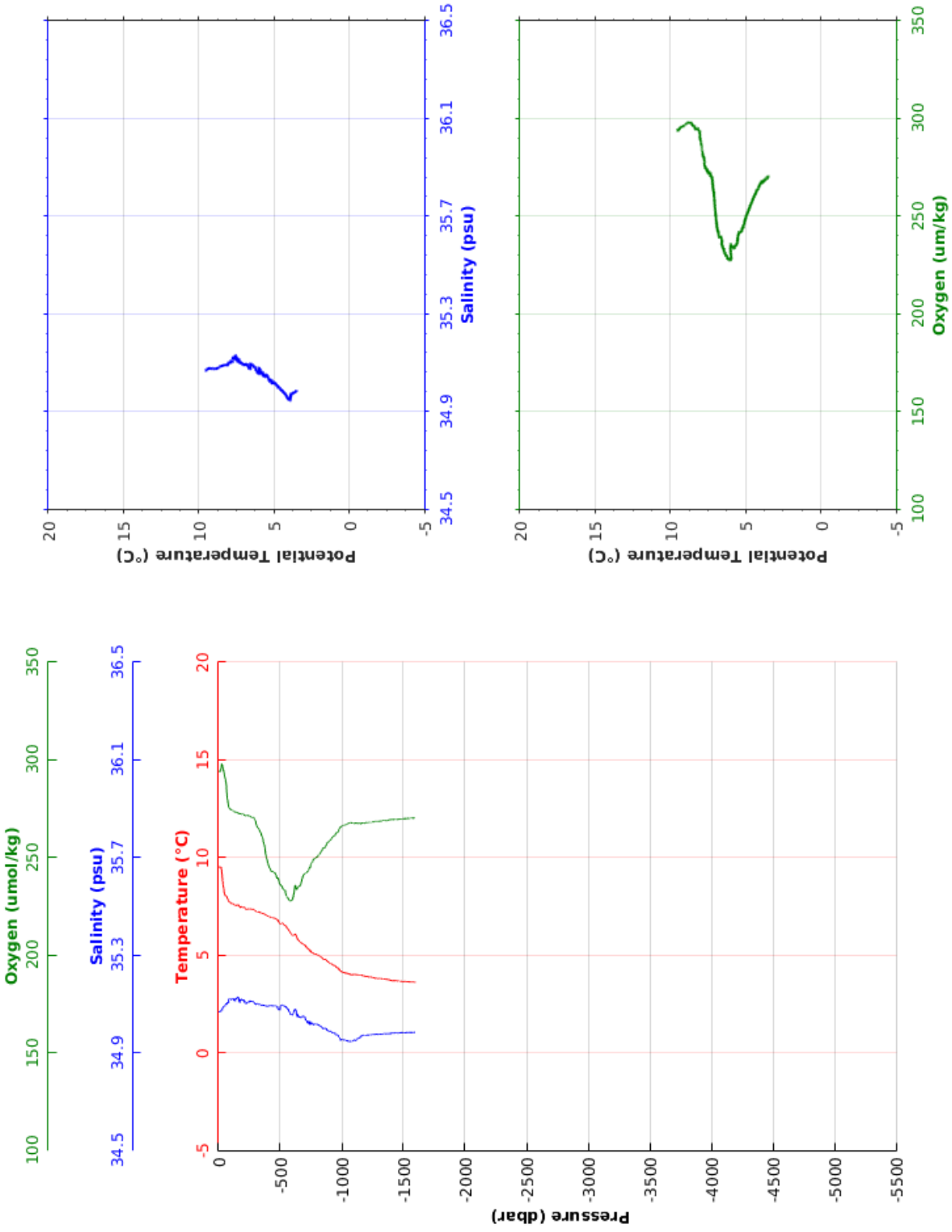
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.530	35.049	291.5	9.530
10.0	9.533	35.049	291.9	9.532
20.0	9.316	35.052	295.1	9.314
30.0	8.202	35.036	301.9	8.199
40.0	7.917	35.036	301.0	7.913
50.0	7.823	35.044	295.9	7.818
100.0	7.203	35.057	278.3	7.194
150.0	6.924	35.045	277.4	6.910
200.0	6.746	35.035	278.8	6.727
202.0	6.744	35.036	278.7	6.725


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 74

Profile	: 75	Cruise	: GEOVIDE (Classic)
Station	: 37	Cast	: 1
Date	: 10/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1585 m	Organism	: CNRS - IFREMER
Position	: N 58 32.99 W 030 21.76		

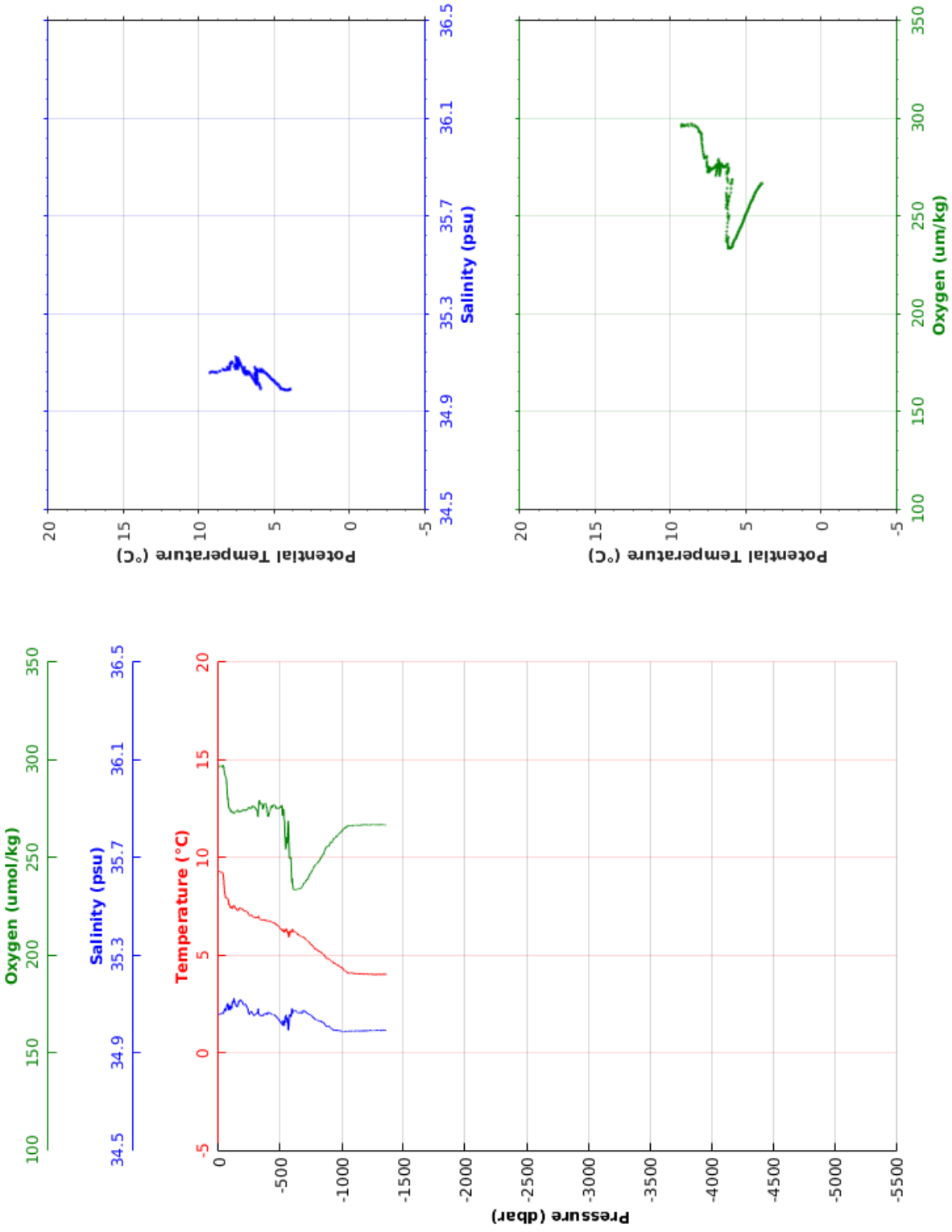
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.515	35.067	294.0	9.515
10.0	9.511	35.067	294.2	9.510
20.0	9.492	35.069	293.8	9.490
30.0	8.973	35.074	297.1	8.970
40.0	8.476	35.086	296.2	8.472
50.0	8.084	35.089	293.4	8.079
100.0	7.677	35.118	275.0	7.667
150.0	7.546	35.122	273.1	7.531
200.0	7.440	35.115	272.1	7.420
250.0	7.351	35.106	271.6	7.327
300.0	7.259	35.100	269.3	7.230
350.0	7.142	35.094	262.2	7.109
400.0	7.006	35.090	248.7	6.967
450.0	6.898	35.092	242.5	6.856
500.0	6.602	35.075	236.9	6.555
550.0	6.460	35.088	231.6	6.409
600.0	6.007	35.053	228.1	5.954
650.0	5.746	35.051	234.8	5.689
700.0	5.515	35.047	241.4	5.455
750.0	5.197	35.022	245.3	5.134
800.0	5.016	35.016	250.0	4.949
850.0	4.783	34.997	254.5	4.714
900.0	4.604	34.988	258.2	4.532
950.0	4.423	34.977	261.3	4.348
1000.0	4.145	34.952	266.0	4.067
1050.0	4.059	34.948	267.3	3.978
1100.0	4.017	34.952	267.5	3.932
1150.0	3.959	34.962	267.7	3.871
1200.0	3.900	34.971	267.9	3.808
1250.0	3.863	34.973	268.1	3.767
1300.0	3.800	34.975	268.6	3.700
1350.0	3.764	34.977	269.0	3.659
1400.0	3.693	34.979	269.5	3.585
1450.0	3.679	34.980	269.5	3.567
1500.0	3.648	34.982	269.9	3.531
1550.0	3.630	34.983	270.0	3.509
1598.0	3.617	34.983	270.3	3.492


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 75

Profile	: 76	Cruise	: GEOVIDE (Classic)
Station	: 38	Cast	: 1
Date	: 10/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1355 m	Organism	: CNRS - IFREMER
Position	: N 58 50.56 W 031 16.10		

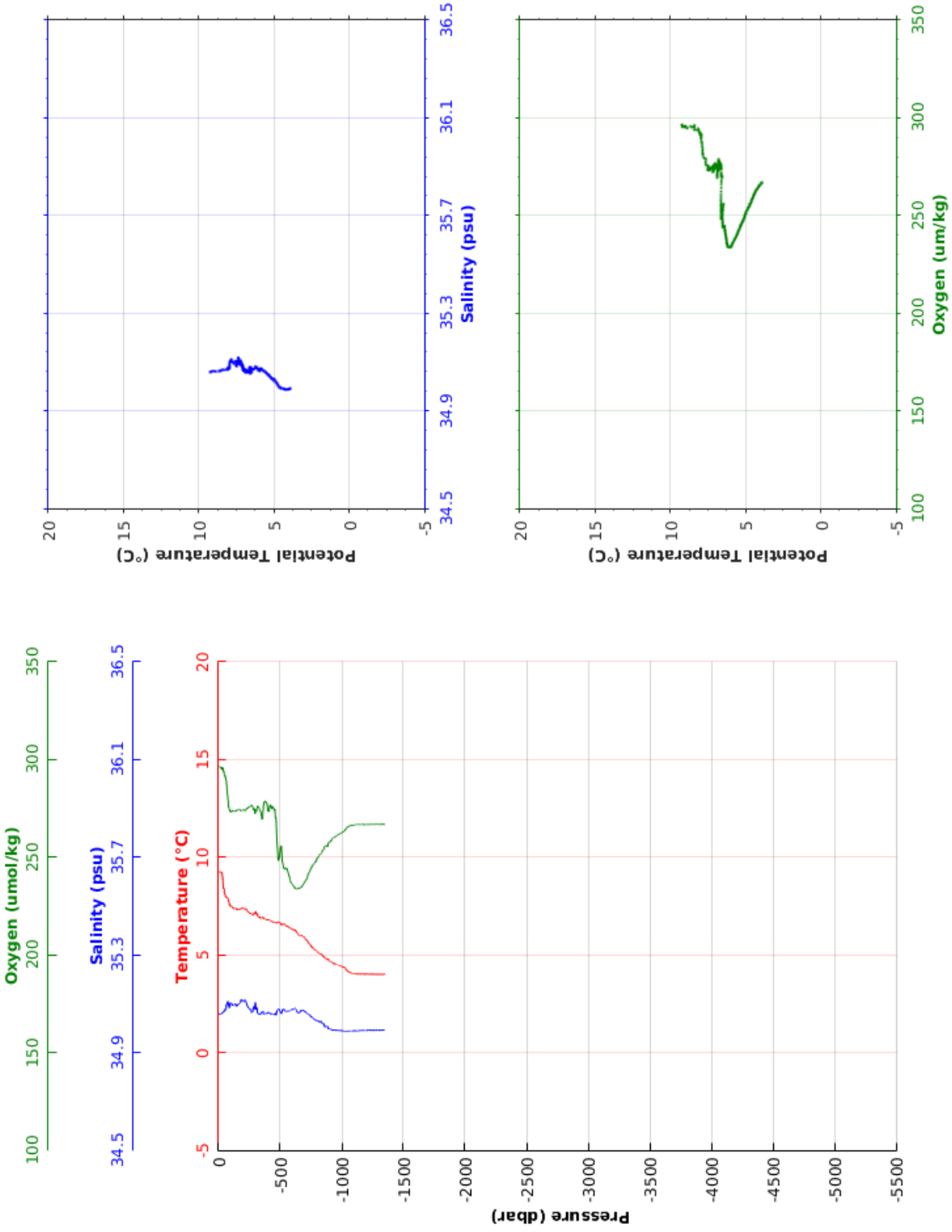
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.260	35.058	295.9	9.260
10.0	9.262	35.058	296.3	9.261
20.0	9.249	35.059	296.8	9.247
30.0	9.248	35.059	296.8	9.245
40.0	8.909	35.060	296.8	8.905
50.0	8.178	35.069	295.0	8.173
100.0	7.445	35.085	274.4	7.435
150.0	7.304	35.089	273.8	7.290
200.0	7.308	35.102	274.1	7.289
250.0	7.015	35.059	275.7	6.991
300.0	6.916	35.054	275.7	6.888
350.0	6.810	35.053	277.5	6.777
400.0	6.753	35.061	273.0	6.716
450.0	6.647	35.057	276.7	6.605
500.0	6.361	35.027	275.6	6.316
550.0	6.352	35.055	254.2	6.302
600.0	6.333	35.082	237.6	6.279
650.0	6.018	35.063	233.8	5.960
700.0	5.863	35.071	236.8	5.801
750.0	5.542	35.053	241.8	5.477
800.0	5.258	35.034	246.6	5.190
850.0	5.041	35.025	251.3	4.970
900.0	4.782	35.009	256.0	4.708
950.0	4.558	34.992	259.9	4.482
1000.0	4.363	34.988	263.0	4.284
1050.0	4.087	34.988	266.0	4.006
1100.0	4.063	34.989	266.4	3.977
1150.0	4.038	34.989	266.6	3.948
1200.0	4.030	34.989	266.7	3.936
1250.0	4.014	34.991	266.8	3.916
1300.0	4.011	34.991	266.8	3.908
1350.0	4.012	34.992	266.7	3.905
1364.0	4.013	34.992	266.7	3.905


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 76

Profile	: 77	Cruise	: GEOVIDE (Classic)
Station	: 38	Cast	: 3
Date	: 10/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1345 m	Organism	: CNRS - IFREMER
Position	: N 58 50.56 W 031 15.96		

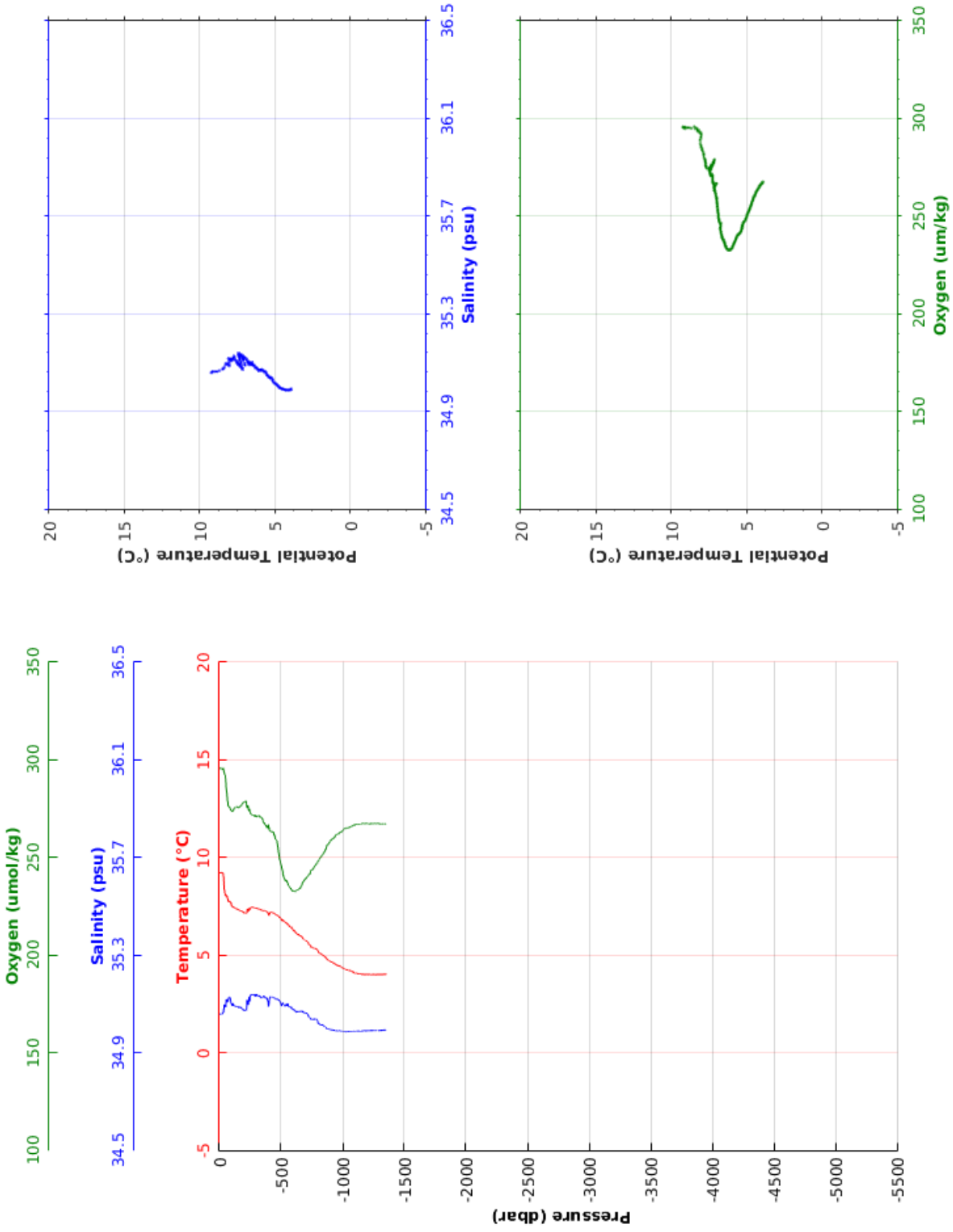
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.238	35.058	296.3	9.238
10.0	9.237	35.058	296.4	9.236
20.0	9.235	35.058	296.2	9.232
30.0	9.042	35.062	295.6	9.039
40.0	8.403	35.068	295.8	8.399
50.0	8.134	35.070	293.4	8.129
100.0	7.515	35.104	273.4	7.505
150.0	7.309	35.089	274.0	7.294
200.0	7.362	35.111	274.2	7.342
250.0	7.155	35.082	275.6	7.131
300.0	7.219	35.106	272.5	7.190
350.0	6.910	35.063	272.5	6.877
400.0	6.795	35.062	277.0	6.758
450.0	6.672	35.057	275.4	6.630
500.0	6.618	35.072	250.2	6.572
550.0	6.475	35.068	244.7	6.425
600.0	6.313	35.076	236.3	6.258
650.0	6.002	35.062	234.0	5.944
700.0	5.866	35.070	236.6	5.804
750.0	5.456	35.048	243.4	5.391
800.0	5.167	35.029	248.6	5.100
850.0	4.923	35.017	253.5	4.853
900.0	4.681	34.996	257.4	4.608
950.0	4.528	34.991	260.4	4.452
1000.0	4.409	34.990	262.4	4.330
1050.0	4.157	34.987	265.3	4.075
1100.0	4.044	34.989	266.4	3.959
1150.0	4.020	34.990	266.8	3.930
1200.0	4.014	34.991	266.7	3.920
1250.0	4.012	34.991	266.7	3.914
1300.0	4.007	34.991	266.9	3.905
1350.0	4.011	34.992	266.8	3.905
1353.0	4.011	34.992	266.9	3.904


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 77

Profile	: 78	Cruise	: GEOVIDE (Classic)
Station	: 38	Cast	: 5
Date	: 11/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1348 m	Organism	: CNRS - IFREMER
Position	: N 58 50.56 W 031 15.96		

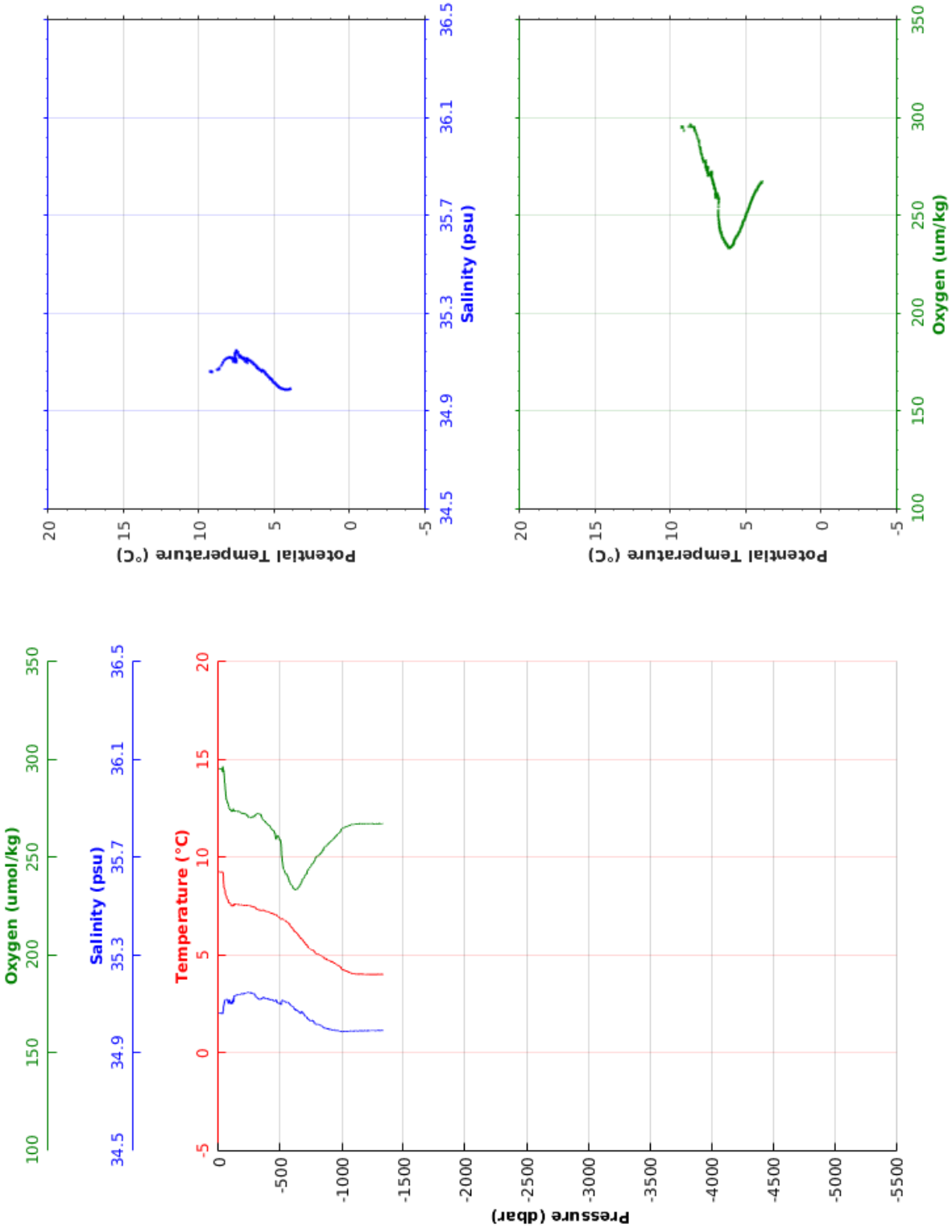
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.218	35.059	295.8	9.218
10.0	9.218	35.058	295.7	9.217
20.0	9.219	35.058	295.6	9.217
30.0	9.176	35.060	295.3	9.172
40.0	8.341	35.082	294.9	8.337
50.0	8.031	35.087	292.6	8.026
100.0	7.524	35.101	274.1	7.515
150.0	7.343	35.088	275.9	7.328
200.0	7.172	35.074	278.1	7.153
250.0	7.348	35.115	274.7	7.323
300.0	7.407	35.138	271.1	7.377
350.0	7.282	35.126	270.2	7.248
400.0	7.072	35.096	266.2	7.034
450.0	7.103	35.123	261.3	7.060
500.0	6.864	35.104	248.0	6.817
550.0	6.631	35.098	238.2	6.579
600.0	6.259	35.077	232.7	6.204
650.0	5.990	35.067	234.0	5.932
700.0	5.749	35.063	238.7	5.687
750.0	5.386	35.037	243.3	5.322
800.0	5.222	35.029	247.0	5.154
850.0	4.943	35.009	252.1	4.872
900.0	4.663	34.994	257.9	4.590
950.0	4.488	34.990	261.4	4.413
1000.0	4.345	34.988	263.5	4.266
1050.0	4.220	34.987	265.2	4.137
1100.0	4.073	34.988	266.7	3.988
1150.0	4.019	34.988	267.3	3.930
1200.0	4.006	34.990	267.4	3.912
1250.0	4.001	34.990	267.4	3.903
1300.0	4.004	34.991	267.3	3.902
1350.0	4.012	34.993	267.2	3.905
1357.0	4.013	34.992	267.2	3.905


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 78

Profile	: 79	Cruise	: GEOVIDE (Classic)
Station	: 38	Cast	: 7
Date	: 11/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1348 m	Organism	: CNRS - IFREMER
Position	: N 58 50.56 W 031 15.96		

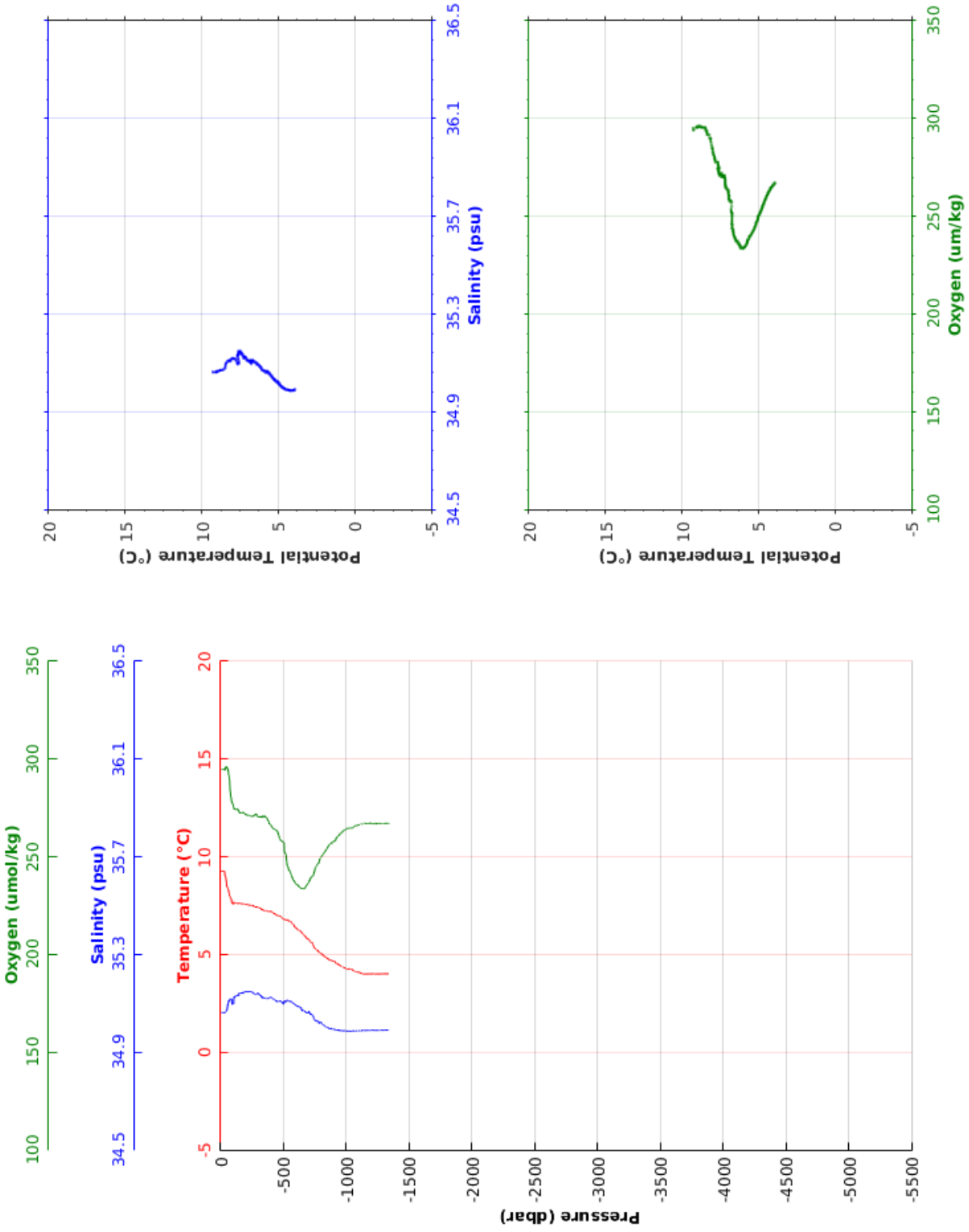
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.246	35.061	295.2	9.246
10.0	9.244	35.061	295.1	9.243
20.0	9.240	35.061	295.4	9.238
30.0	9.238	35.061	295.3	9.235
40.0	8.686	35.069	296.4	8.682
50.0	8.348	35.103	293.1	8.343
100.0	7.550	35.101	274.1	7.540
150.0	7.590	35.134	273.8	7.575
200.0	7.536	35.139	272.7	7.517
250.0	7.517	35.147	270.6	7.493
300.0	7.402	35.134	270.9	7.373
350.0	7.273	35.119	271.5	7.239
400.0	7.208	35.120	267.1	7.169
450.0	7.071	35.111	263.8	7.027
500.0	6.870	35.101	258.7	6.822
550.0	6.705	35.106	241.3	6.653
600.0	6.368	35.091	235.7	6.313
650.0	5.996	35.068	234.0	5.938
700.0	5.627	35.054	239.4	5.566
750.0	5.279	35.029	245.1	5.216
800.0	5.038	35.017	250.2	4.971
850.0	4.884	35.005	253.4	4.814
900.0	4.702	34.995	257.2	4.629
950.0	4.538	34.990	260.2	4.462
1000.0	4.260	34.985	264.1	4.182
1050.0	4.136	34.987	265.9	4.054
1100.0	4.036	34.988	266.8	3.951
1150.0	4.010	34.988	267.1	3.921
1200.0	4.000	34.989	267.1	3.907
1250.0	4.001	34.990	267.2	3.903
1300.0	4.002	34.990	267.2	3.900
1337.0	4.006	34.991	267.2	3.901


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 79

Profile	: 80	Cruise	: GEOVIDE (Classic)
Station	: 38	Cast	: 8
Date	: 11/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1348 m	Organism	: CNRS - IFREMER
Position	: N 58 50.57 W 031 15.97		

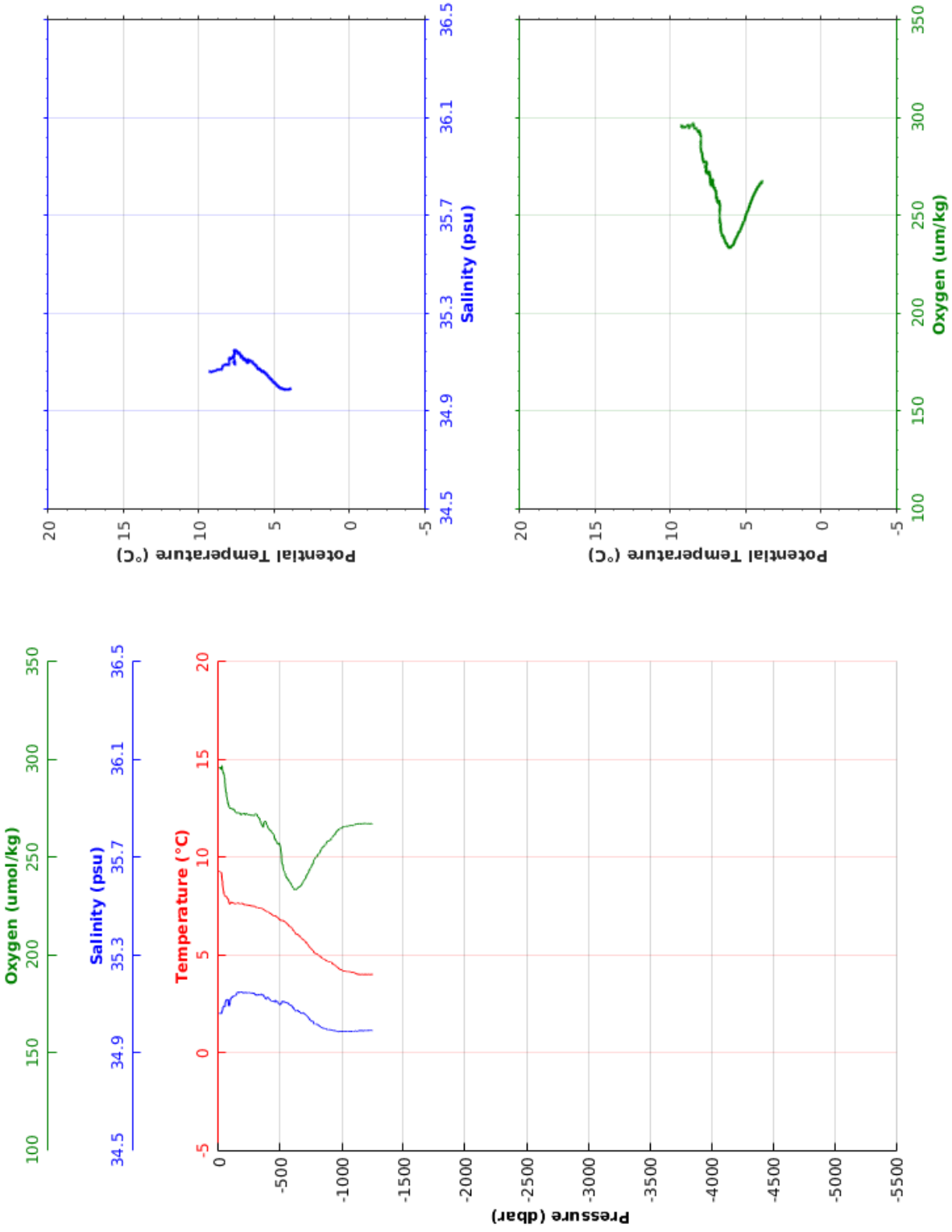
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.263	35.061	294.7	9.263
10.0	9.263	35.062	294.9	9.262
20.0	9.265	35.062	295.1	9.263
30.0	9.258	35.061	295.0	9.254
40.0	8.894	35.066	296.3	8.890
50.0	8.465	35.081	295.1	8.460
100.0	7.567	35.097	275.0	7.557
150.0	7.617	35.141	272.3	7.603
200.0	7.564	35.147	271.6	7.545
250.0	7.502	35.145	271.0	7.478
300.0	7.407	35.138	270.5	7.377
350.0	7.246	35.119	270.7	7.212
400.0	7.209	35.125	265.6	7.170
450.0	7.008	35.107	262.7	6.965
500.0	6.799	35.097	256.9	6.752
550.0	6.692	35.108	242.2	6.640
600.0	6.349	35.091	236.1	6.294
650.0	6.073	35.070	233.6	6.014
700.0	5.788	35.065	237.2	5.726
750.0	5.307	35.031	244.3	5.244
800.0	5.063	35.020	250.2	4.996
850.0	4.798	35.001	255.0	4.729
900.0	4.659	34.994	258.0	4.586
950.0	4.434	34.989	261.9	4.359
1000.0	4.269	34.986	264.2	4.191
1050.0	4.205	34.986	265.0	4.123
1100.0	4.086	34.987	266.3	4.000
1150.0	4.005	34.989	267.1	3.916
1200.0	4.007	34.989	267.0	3.913
1250.0	4.003	34.990	267.1	3.905
1300.0	4.007	34.991	267.0	3.904
1338.0	4.007	34.991	267.2	3.901


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 80

Profile	: 81	Cruise	: GEOVIDE (Classic)
Station	: 38	Cast	: 9
Date	: 11/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1348 m	Organism	: CNRS - IFREMER
Position	: N 58 50.57 W 031 15.97		

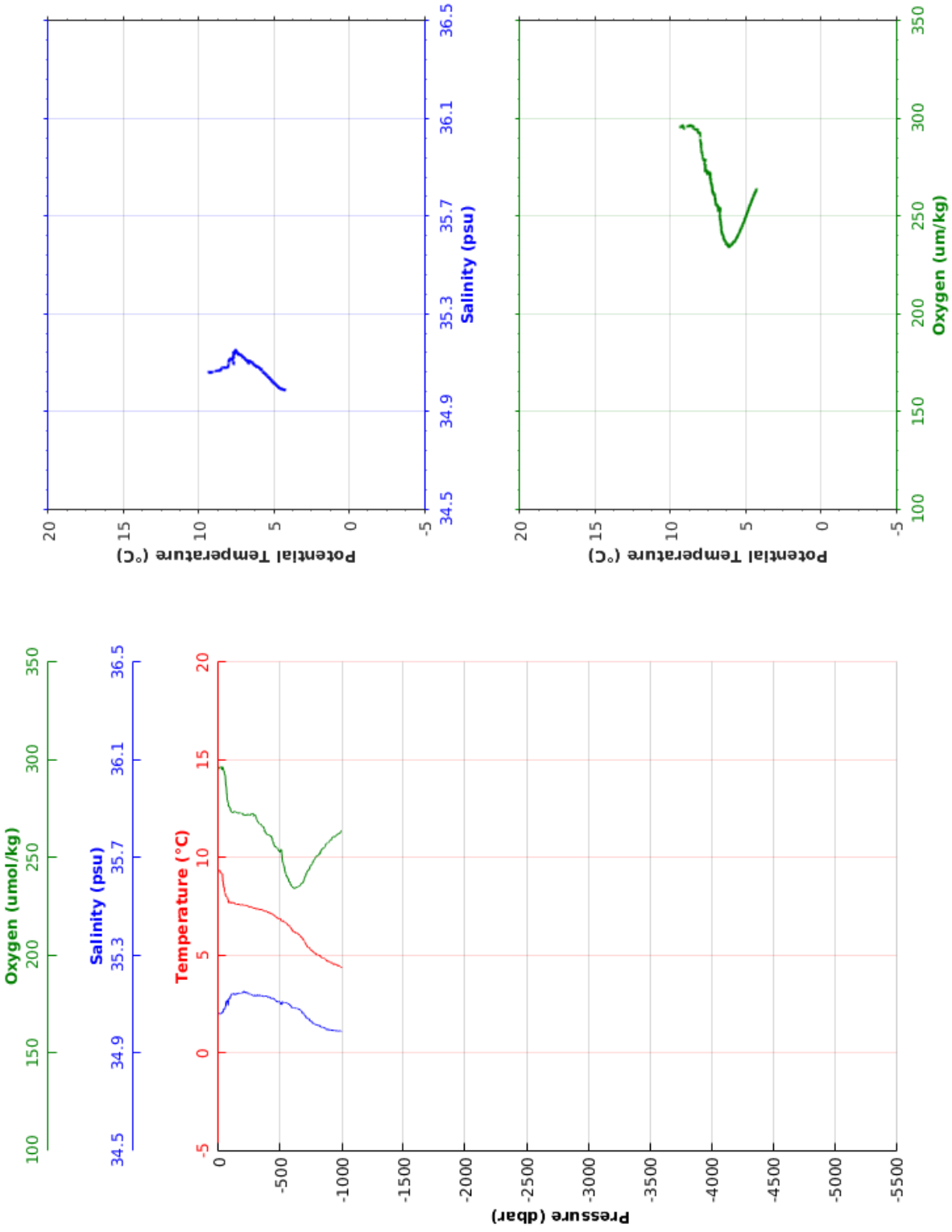
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.257	35.061	295.5	9.257
10.0	9.251	35.060	295.7	9.250
20.0	9.232	35.060	295.7	9.229
30.0	8.775	35.068	295.1	8.772
40.0	8.262	35.087	294.3	8.258
50.0	8.049	35.089	292.3	8.044
100.0	7.686	35.117	275.0	7.676
150.0	7.652	35.143	272.8	7.638
200.0	7.599	35.145	272.3	7.579
250.0	7.537	35.145	271.7	7.513
300.0	7.453	35.138	272.0	7.423
350.0	7.382	35.139	267.6	7.348
400.0	7.207	35.124	266.4	7.168
450.0	7.014	35.109	261.9	6.971
500.0	6.796	35.097	257.0	6.748
550.0	6.620	35.105	240.3	6.569
600.0	6.300	35.088	235.6	6.245
650.0	5.995	35.071	234.2	5.937
700.0	5.709	35.058	238.1	5.648
750.0	5.316	35.032	244.3	5.252
800.0	5.048	35.017	250.1	4.982
850.0	4.797	35.000	255.1	4.728
900.0	4.644	34.993	258.4	4.571
950.0	4.452	34.989	261.8	4.377
1000.0	4.235	34.986	264.7	4.157
1050.0	4.148	34.987	265.8	4.066
1100.0	4.085	34.987	266.4	3.999
1150.0	4.000	34.989	267.0	3.911
1200.0	3.996	34.990	267.2	3.902
1250.0	3.998	34.990	267.2	3.900
1252.0	3.998	34.990	267.4	3.900


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 81

Profile	: 82	Cruise	: GEOVIDE (Classic)
Station	: 38	Cast	: 11
Date	: 11/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1348 m	Organism	: CNRS - IFREMER
Position	: N 58 50.57 W 031 15.97		

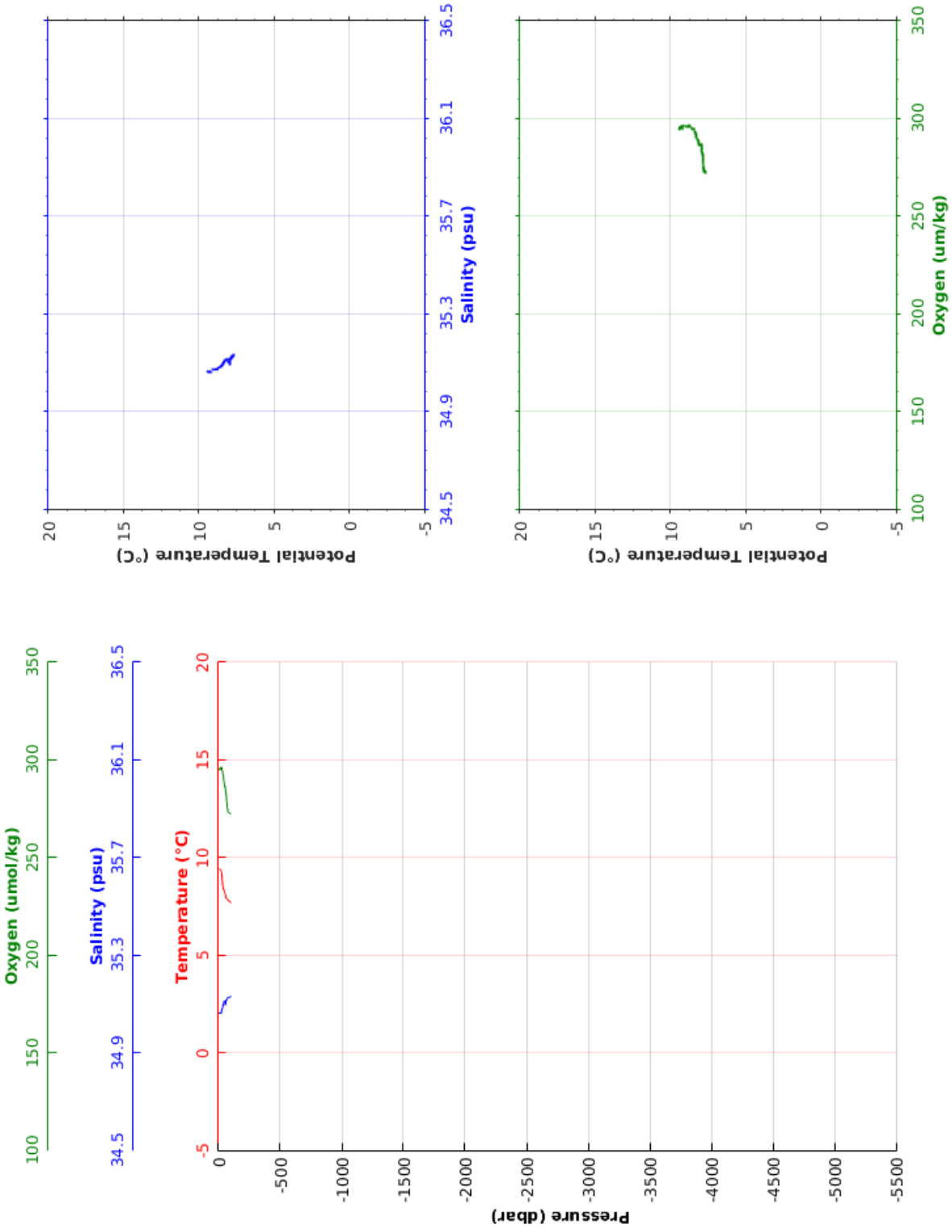
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.317	35.059	295.6	9.317
10.0	9.337	35.061	295.7	9.336
20.0	9.194	35.059	296.4	9.192
30.0	9.160	35.060	296.0	9.157
40.0	8.541	35.068	296.1	8.537
50.0	8.202	35.078	294.4	8.197
100.0	7.678	35.130	275.1	7.668
150.0	7.604	35.140	273.2	7.590
200.0	7.566	35.147	272.2	7.546
250.0	7.469	35.140	272.1	7.445
300.0	7.384	35.132	271.8	7.354
350.0	7.317	35.133	267.0	7.283
400.0	7.195	35.129	261.7	7.156
450.0	7.049	35.121	257.7	7.006
500.0	6.849	35.108	253.0	6.801
550.0	6.624	35.105	241.6	6.573
600.0	6.224	35.084	235.3	6.170
650.0	6.066	35.080	234.9	6.007
700.0	5.675	35.057	238.6	5.614
750.0	5.257	35.029	245.5	5.194
800.0	5.017	35.013	250.5	4.951
850.0	4.833	35.003	254.4	4.764
900.0	4.650	34.993	258.1	4.578
950.0	4.524	34.990	260.6	4.448
1000.0	4.363	34.988	263.5	4.284
1001.0	4.343	34.987	263.7	4.264


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 82

Profile	: 83	Cruise	: GEOVIDE (Classic)
Station	: 38	Cast	: 13
Date	: 11/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1348 m	Organism	: CNRS - IFREMER
Position	: N 58 50.57 W 031 15.97		

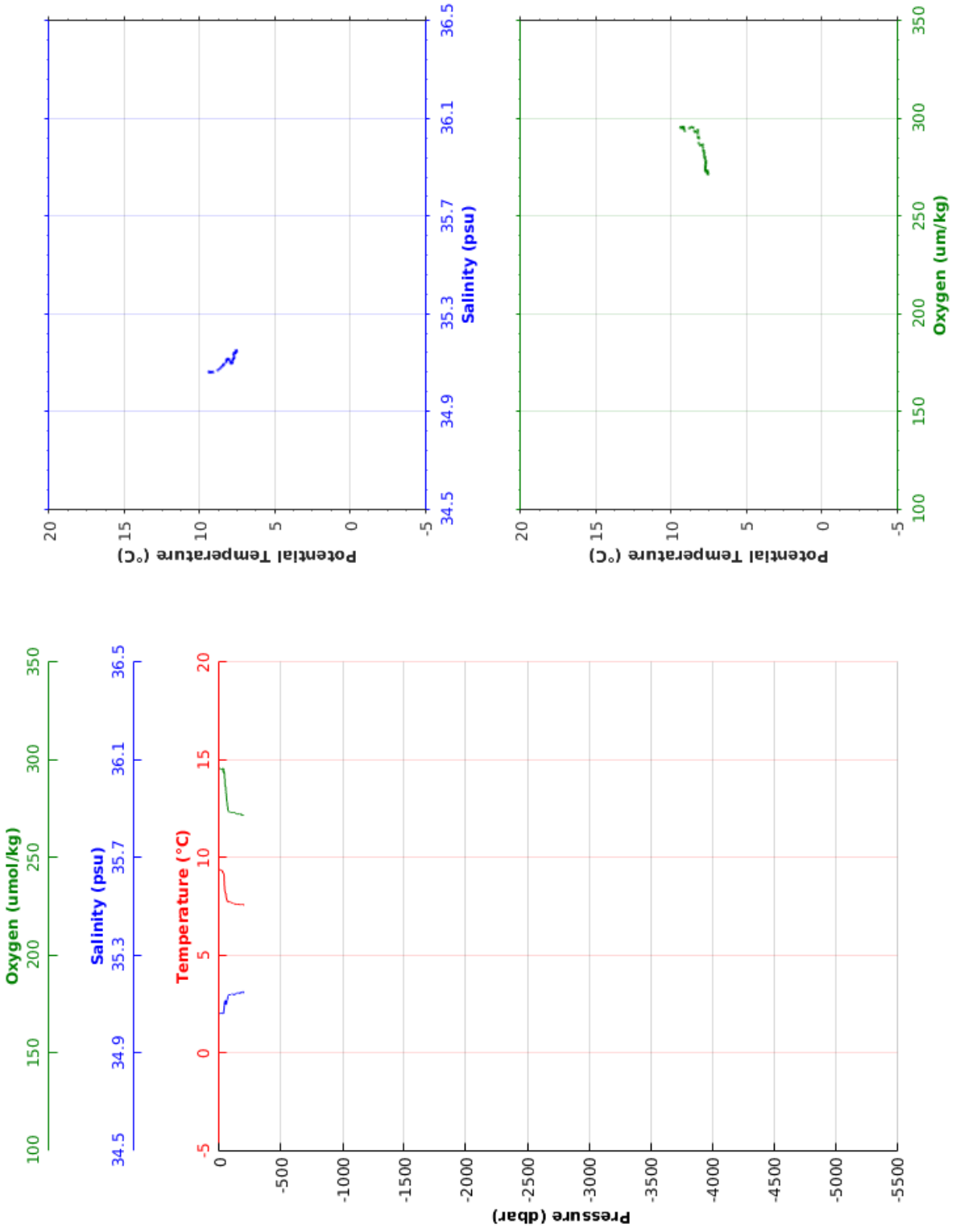
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.395	35.063	294.6	9.394
10.0	9.393	35.063	294.7	9.392
20.0	9.307	35.063	295.9	9.305
30.0	8.778	35.071	296.3	8.775
40.0	8.362	35.097	292.9	8.358
50.0	8.153	35.112	288.8	8.148
100.0	7.680	35.131	272.8	7.670
104.0	7.672	35.131	272.1	7.662


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 83

Profile	: 84	Cruise	: GEOVIDE (Classic)
Station	: 38	Cast	: 15
Date	: 11/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1348 m	Organism	: CNRS - IFREMER
Position	: N 58 51.60 W 031 16.36		

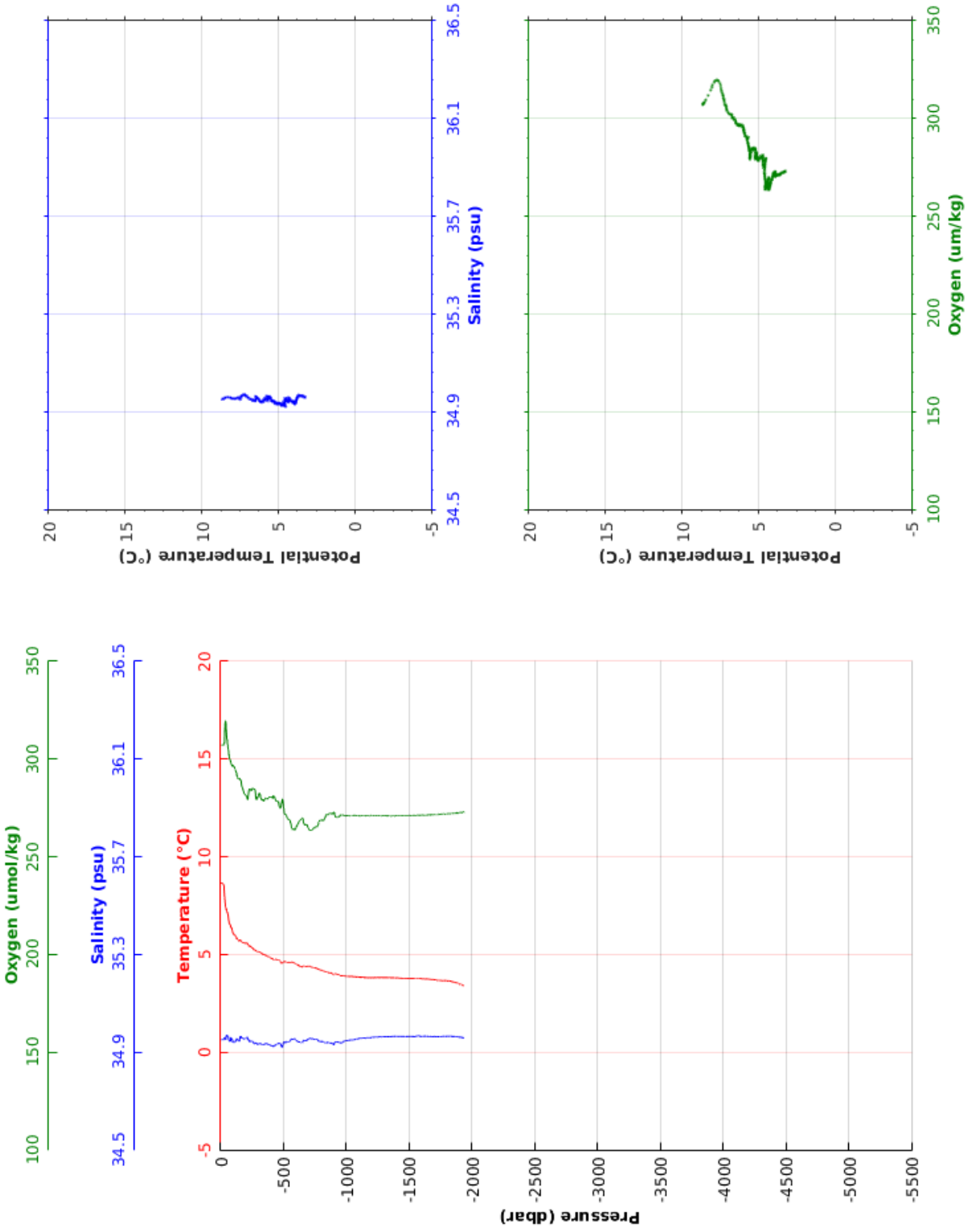
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	9.375	35.061	295.3	9.375
10.0	9.352	35.061	295.5	9.351
20.0	9.349	35.061	295.3	9.346
30.0	9.198	35.060	295.5	9.195
40.0	8.649	35.075	295.6	8.645
50.0	8.165	35.113	290.3	8.160
100.0	7.691	35.141	272.9	7.681
150.0	7.600	35.144	272.2	7.585
200.0	7.560	35.145	271.9	7.540
202.0	7.560	35.146	271.8	7.540


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 84

Profile : 85	Cruise : GEOVIDE (Classic)
Station : 39	Cast : 1
Date : 11/06/2014	Ship : N/O Pourquoi pas ?
Depth : 1916 m	Organism : CNRS - IFREMER
Position : N 58 58.49 W 032 33.56	

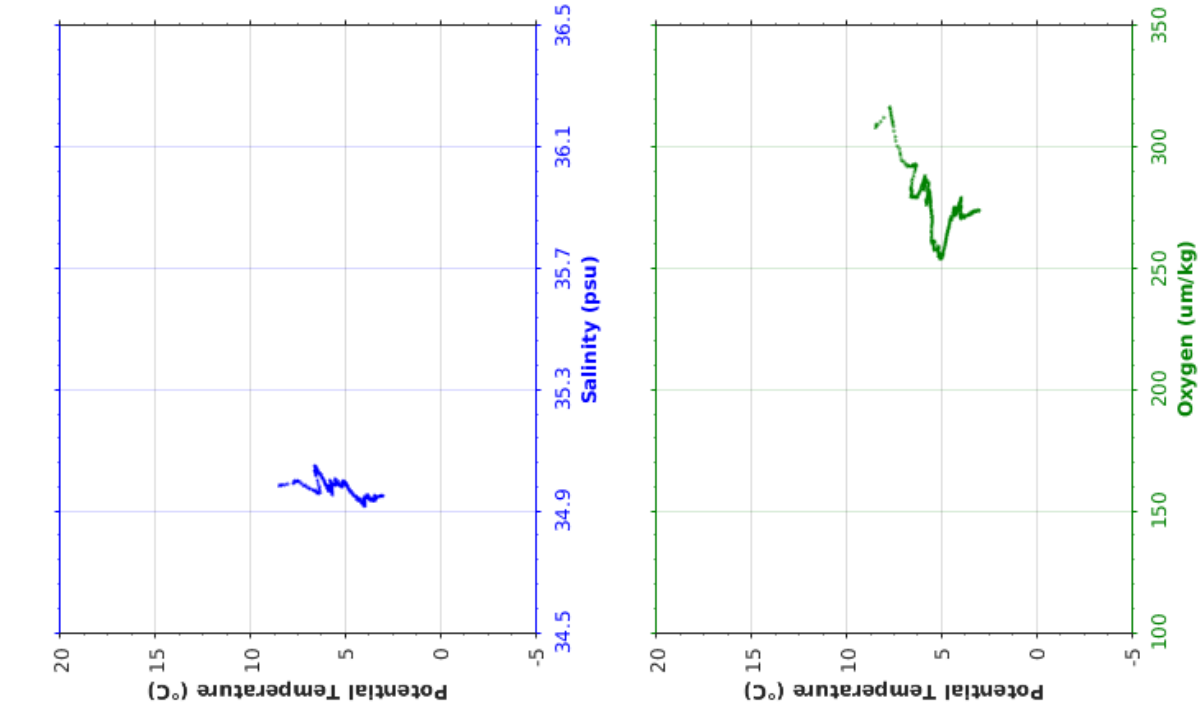
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	8.642	34.951	307.1	8.642
10.0	8.644	34.952	307.1	8.643
20.0	8.611	34.951	307.6	8.609
30.0	8.008	34.954	317.1	8.005
40.0	7.426	34.961	314.4	7.423
50.0	7.211	34.970	307.4	7.206
100.0	6.075	34.938	296.5	6.066
150.0	5.747	34.959	289.6	5.734
200.0	5.576	34.955	281.4	5.559
250.0	5.346	34.945	285.0	5.326
300.0	5.135	34.933	282.4	5.111
350.0	4.960	34.932	280.1	4.932
400.0	4.813	34.925	280.5	4.782
450.0	4.729	34.933	278.3	4.694
500.0	4.641	34.941	273.2	4.602
550.0	4.583	34.946	267.8	4.541
600.0	4.501	34.948	265.5	4.454
650.0	4.364	34.939	269.9	4.315
700.0	4.396	34.955	263.9	4.342
750.0	4.306	34.952	265.3	4.249
800.0	4.195	34.943	268.9	4.134
850.0	4.093	34.940	271.5	4.029
900.0	3.967	34.932	272.8	3.899
950.0	3.916	34.937	271.3	3.845
1000.0	3.890	34.947	271.1	3.815
1050.0	3.872	34.950	271.2	3.793
1100.0	3.842	34.956	271.0	3.759
1150.0	3.814	34.957	271.0	3.727
1200.0	3.807	34.960	271.2	3.716
1250.0	3.814	34.962	271.2	3.717
1300.0	3.813	34.963	271.1	3.713
1350.0	3.811	34.964	270.9	3.706
1400.0	3.798	34.965	271.1	3.689
1450.0	3.784	34.964	271.2	3.671
1500.0	3.776	34.964	271.1	3.658
1550.0	3.769	34.964	271.1	3.647
1600.0	3.762	34.965	271.4	3.636
1650.0	3.739	34.965	271.4	3.609
1700.0	3.718	34.964	271.6	3.583
1750.0	3.673	34.964	271.9	3.534
1800.0	3.650	34.965	272.0	3.507
1850.0	3.585	34.964	272.4	3.438
1900.0	3.485	34.961	272.8	3.335
1935.0	3.385	34.958	273.1	3.232

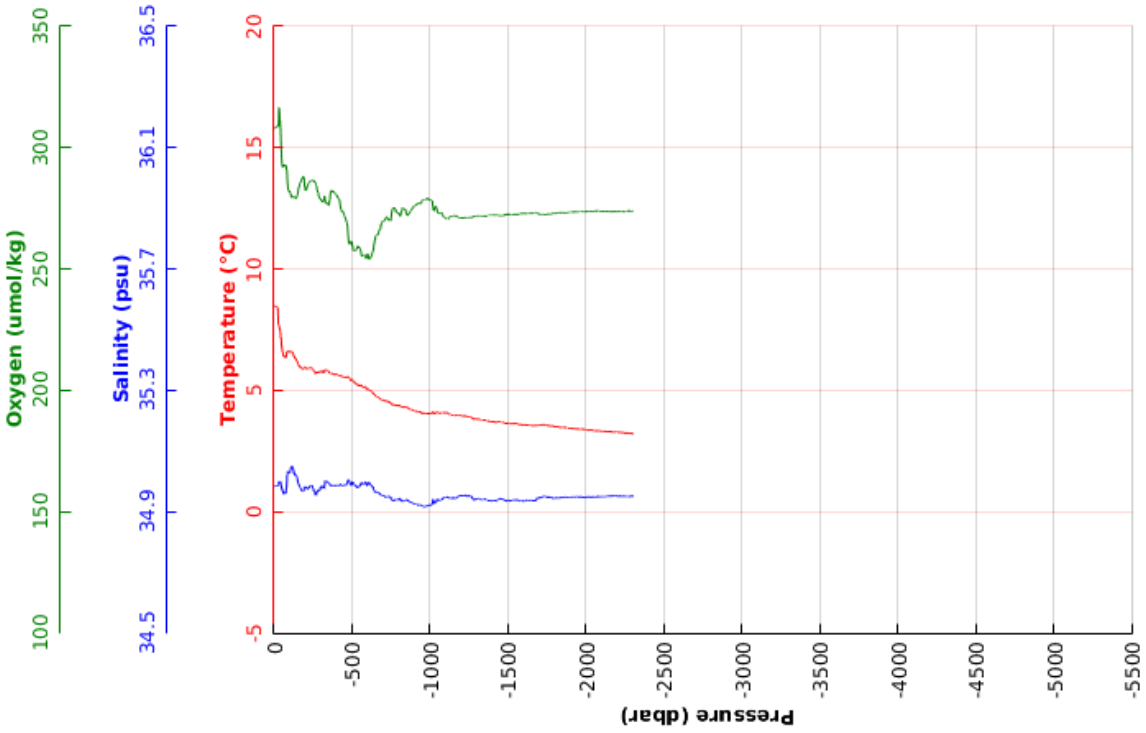

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 85

Profile : 86	Cruise : GEOVIDE (Classic)
Station : 40	Cast : 1
Date : 12/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2285 m	Organism : CNRS - IFREMER
Position : N 59 6.12 W 033 49.68	

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	8.471	34.984	308.1	8.471
10.0	8.460	34.984	308.6	8.459
20.0	8.433	34.985	308.9	8.431
30.0	7.699	34.998	315.3	7.696
40.0	7.413	34.998	302.6	7.409
50.0	6.790	34.972	292.0	6.785
100.0	6.555	35.029	281.6	6.546
150.0	6.150	35.002	281.8	6.137
200.0	5.950	34.982	282.4	5.933
250.0	5.848	34.974	286.4	5.827
300.0	5.754	34.975	277.8	5.728
350.0	5.759	34.992	277.4	5.729
400.0	5.655	34.987	280.2	5.621
450.0	5.548	34.988	271.4	5.510
500.0	5.456	34.999	259.0	5.414
550.0	5.194	34.986	258.2	5.149
600.0	5.047	34.992	255.6	4.998
650.0	4.776	34.964	263.8	4.725
700.0	4.612	34.953	269.8	4.557
750.0	4.444	34.940	272.8	4.385
800.0	4.382	34.942	272.6	4.319
850.0	4.306	34.939	272.3	4.240
900.0	4.151	34.924	276.3	4.082
950.0	4.062	34.917	278.4	3.990
1000.0	4.042	34.921	278.5	3.966
1050.0	4.086	34.939	273.0	4.005
1100.0	4.079	34.947	270.8	3.993
1150.0	3.974	34.945	272.0	3.885
1200.0	3.963	34.952	271.1	3.870
1250.0	3.920	34.952	271.2	3.823
1300.0	3.827	34.943	271.7	3.726
1350.0	3.773	34.941	271.8	3.669
1400.0	3.703	34.935	272.3	3.595
1450.0	3.698	34.942	272.0	3.586
1500.0	3.645	34.938	272.5	3.529
1550.0	3.629	34.939	272.6	3.509
1600.0	3.581	34.935	272.9	3.457
1650.0	3.559	34.937	273.1	3.430
1700.0	3.564	34.945	272.7	3.431
1750.0	3.558	34.948	272.7	3.420
1800.0	3.507	34.945	273.0	3.365
1850.0	3.476	34.948	273.3	3.331
1900.0	3.436	34.947	273.4	3.286
1950.0	3.409	34.948	273.6	3.255
2000.0	3.373	34.948	273.8	3.215
2050.0	3.344	34.949	273.9	3.182
2100.0	3.318	34.950	273.8	3.151
2150.0	3.296	34.951	273.6	3.125
2200.0	3.273	34.951	273.6	3.098
2250.0	3.240	34.950	273.8	3.060
2300.0	3.218	34.951	273.9	3.033
2306.0	3.203	34.951	273.9	3.019

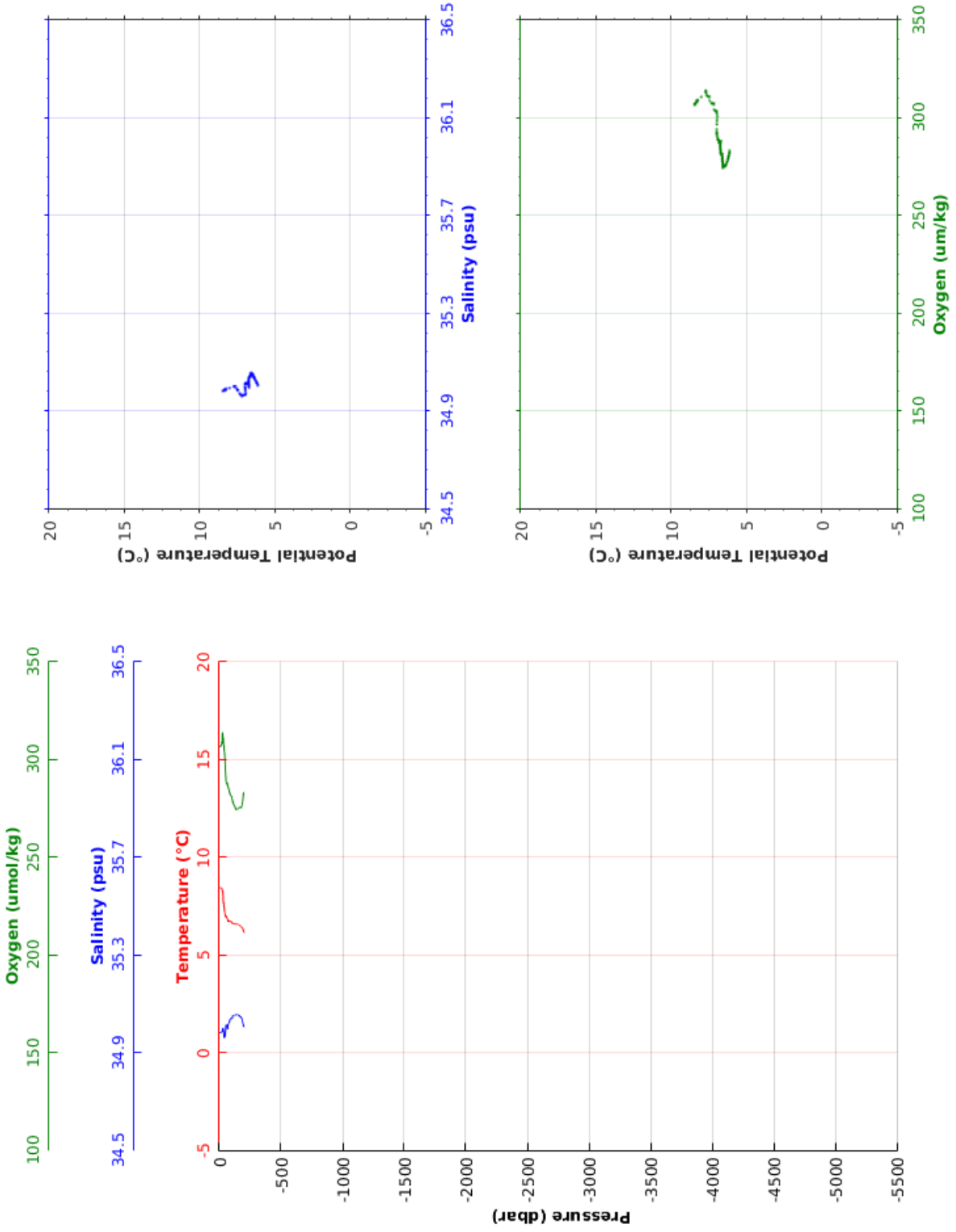

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 86

Profile	: 87	Cruise	: GEOVIDE (Classic)
Station	: 40	Cast	: 3
Date	: 12/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2285 m	Organism	: CNRS - IFREMER
Position	: N 59 6.11 W 033 49.73		

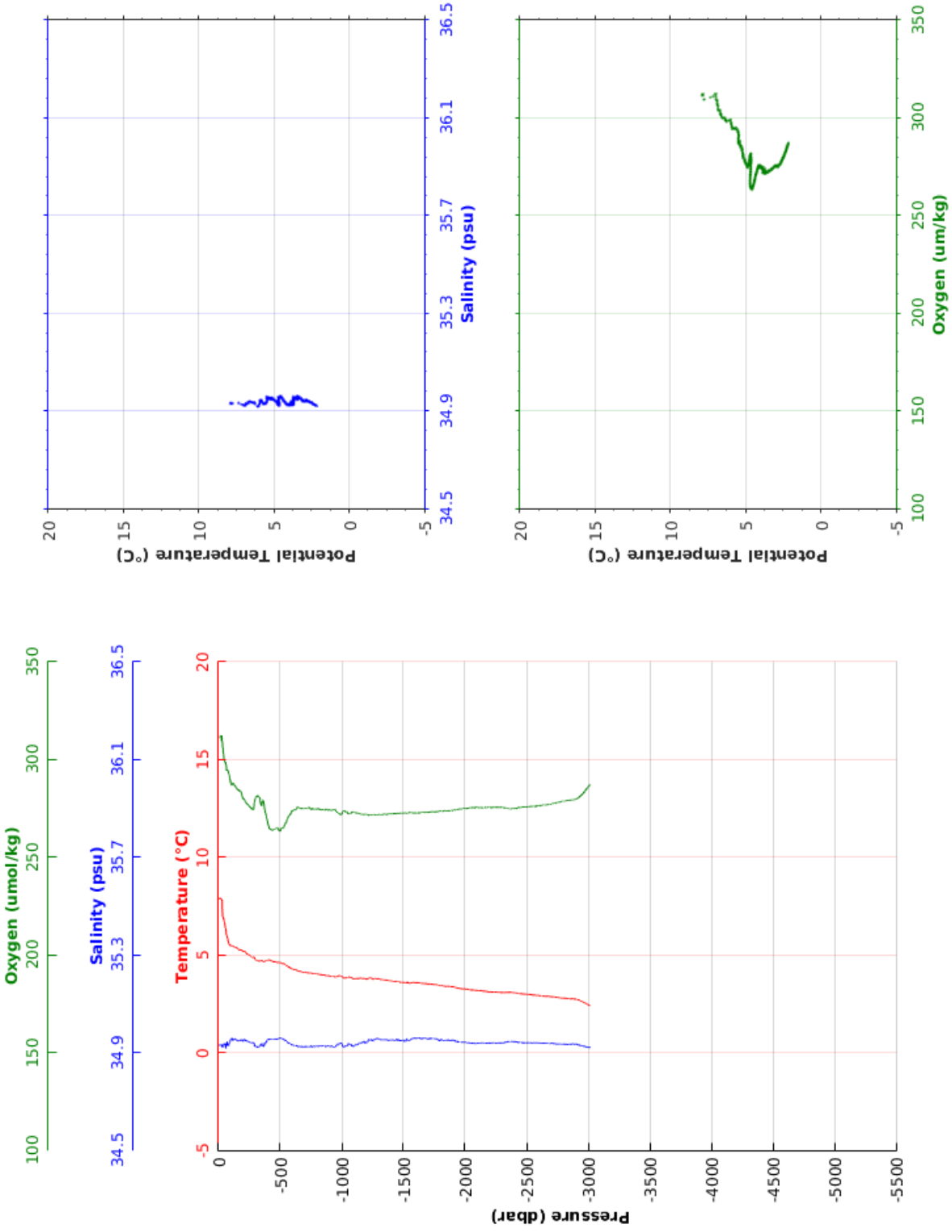
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	8.437	34.981	307.1	8.437
10.0	8.440	34.981	306.9	8.439
20.0	8.427	34.982	306.8	8.425
30.0	7.999	34.993	310.7	7.996
40.0	7.322	34.971	307.7	7.318
50.0	6.960	34.967	302.1	6.955
100.0	6.673	35.041	281.3	6.664
150.0	6.551	35.054	274.6	6.538
200.0	6.151	35.006	281.3	6.134
204.0	6.131	35.004	283.2	6.113


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 87

Profile : 88	Cruise : GEOVIDE (Classic)
Station : 41	Cast : 1
Date : 12/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2978 m	Organism : CNRS - IFREMER
Position : N 59 14.05 W 035 7.39	

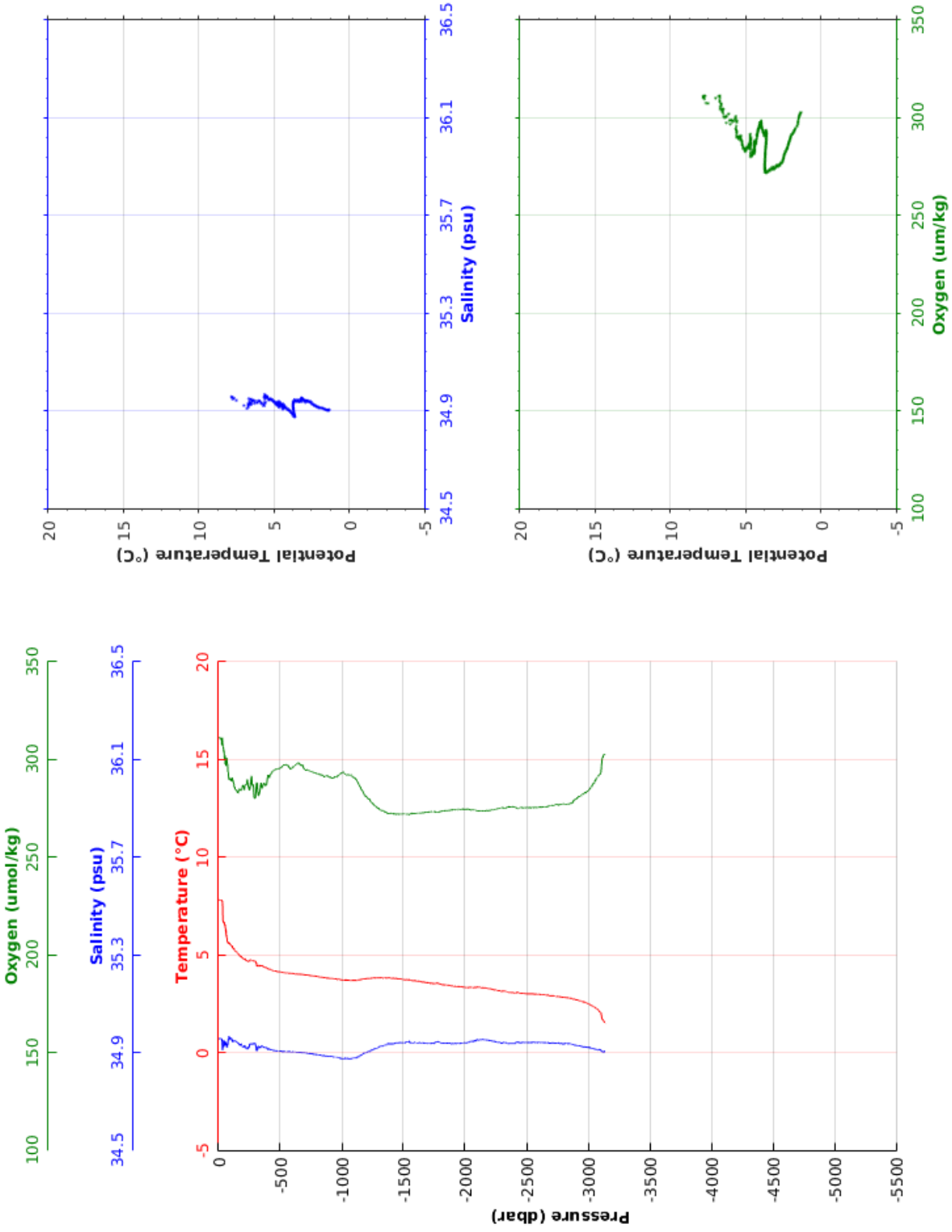
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.887	34.930	311.6	7.887	3021.0	2.394	34.921	287.1	2.155
10.0	7.887	34.929	311.6	7.886					
20.0	7.888	34.930	311.5	7.886					
30.0	7.350	34.932	310.4	7.347					
40.0	6.849	34.928	306.3	6.845					
50.0	6.574	34.937	300.2	6.569					
100.0	5.480	34.952	289.3	5.472					
150.0	5.344	34.952	285.7	5.332					
200.0	5.172	34.947	280.5	5.156					
250.0	4.975	34.943	276.4	4.956					
300.0	4.756	34.926	279.1	4.733					
350.0	4.729	34.934	277.0	4.702					
400.0	4.732	34.951	268.7	4.701					
450.0	4.648	34.954	264.1	4.613					
500.0	4.607	34.960	263.6	4.568					
550.0	4.466	34.949	267.5	4.424					
600.0	4.255	34.930	273.7	4.210					
650.0	4.175	34.926	275.4	4.127					
700.0	4.099	34.924	275.1	4.046					
750.0	4.067	34.925	275.0	4.011					
800.0	4.029	34.926	274.6	3.969					
850.0	3.972	34.927	274.3	3.908					
900.0	3.917	34.926	274.1	3.850					
950.0	3.885	34.924	274.3	3.814					
1000.0	3.913	34.937	271.9	3.837					
1050.0	3.845	34.931	273.0	3.766					
1100.0	3.773	34.927	273.1	3.690					
1150.0	3.811	34.940	272.2	3.723					
1200.0	3.764	34.942	272.0	3.672					
1250.0	3.763	34.948	271.7	3.668					
1300.0	3.777	34.957	271.6	3.677					
1350.0	3.710	34.953	272.0	3.606					
1400.0	3.663	34.951	272.3	3.555					
1450.0	3.632	34.950	272.3	3.521					
1500.0	3.597	34.951	272.6	3.482					
1550.0	3.549	34.948	272.8	3.430					
1600.0	3.572	34.958	272.7	3.448					
1650.0	3.538	34.957	273.0	3.410					
1700.0	3.504	34.955	273.2	3.372					
1750.0	3.485	34.956	273.3	3.348					
1800.0	3.423	34.950	273.8	3.283					
1850.0	3.393	34.949	273.9	3.248					
1900.0	3.363	34.951	273.9	3.214					
1950.0	3.277	34.942	274.7	3.125					
2000.0	3.252	34.942	274.9	3.095					
2050.0	3.208	34.938	275.5	3.048					
2100.0	3.175	34.938	275.5	3.011					
2150.0	3.148	34.939	275.3	2.979					
2200.0	3.110	34.939	275.4	2.937					
2250.0	3.092	34.938	275.5	2.914					
2300.0	3.072	34.939	275.6	2.890					
2350.0	3.080	34.944	275.0	2.893					
2400.0	3.064	34.945	275.0	2.873					
2450.0	3.018	34.942	275.6	2.822					
2500.0	2.985	34.940	275.9	2.786					
2550.0	2.944	34.939	276.1	2.740					
2600.0	2.920	34.939	276.2	2.712					
2650.0	2.885	34.938	276.8	2.673					
2700.0	2.860	34.937	277.1	2.643					
2750.0	2.818	34.935	277.9	2.597					
2800.0	2.775	34.934	278.8	2.549					
2850.0	2.752	34.933	279.2	2.522					
2900.0	2.735	34.934	279.6	2.500					
2950.0	2.628	34.928	281.9	2.390					
3000.0	2.455	34.922	285.7	2.216					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 88

Profile : 89	Cruise : GEOVIDE (Classic)
Station : 42	Cast : 1
Date : 12/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3093 m	Organism : CNRS - IFREMER
Position : N 59 21.77 W 036 23.91	

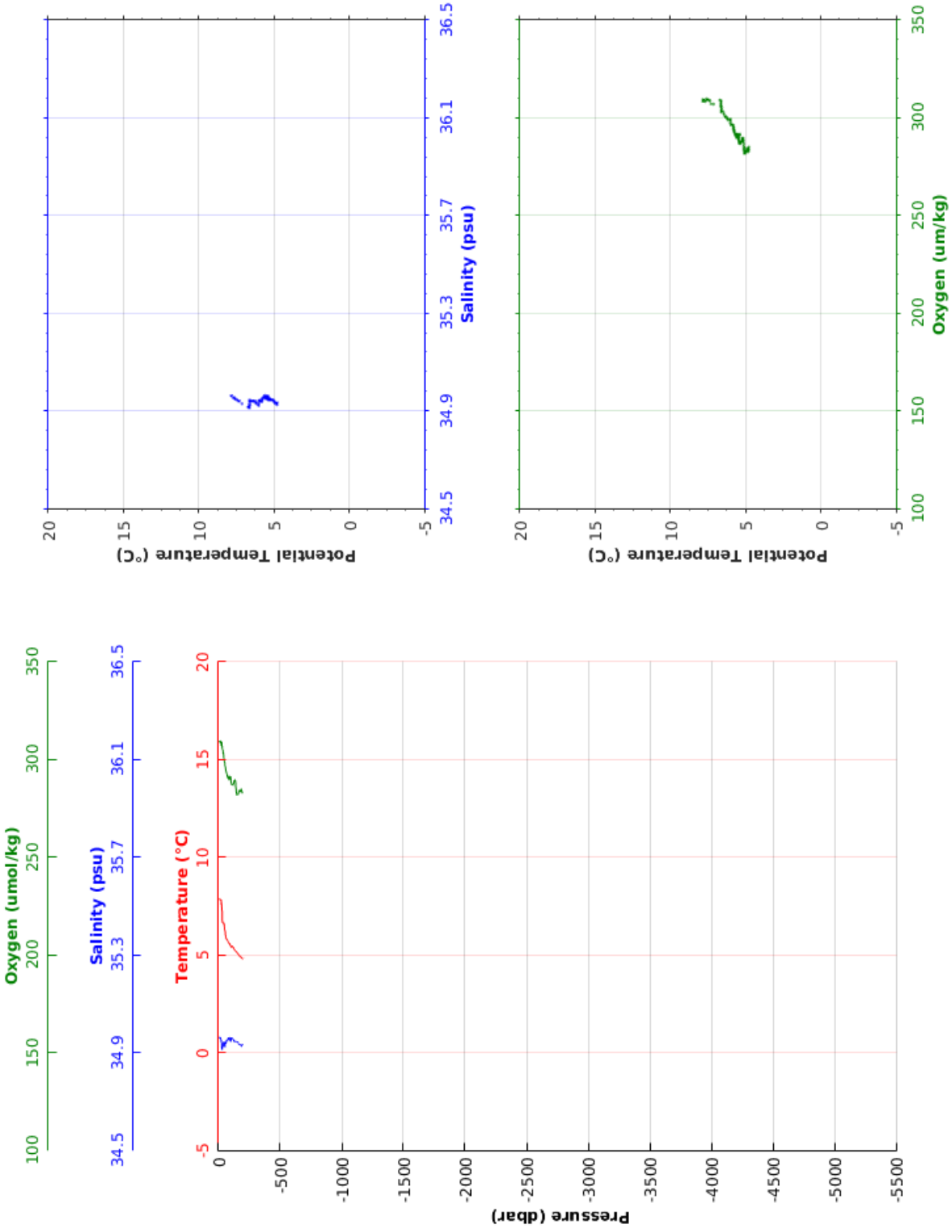
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.808	34.957	311.1	7.808	3050.0	2.336	34.916	287.8	2.095
10.0	7.808	34.957	311.2	7.807	3100.0	2.060	34.911	292.5	1.819
20.0	7.805	34.957	310.9	7.803	3140.0	1.547	34.904	302.7	1.315
30.0	7.689	34.950	311.2	7.686					
40.0	6.671	34.926	307.7	6.667					
50.0	6.485	34.928	304.6	6.481					
100.0	5.490	34.958	290.1	5.482					
150.0	5.124	34.944	284.2	5.112					
200.0	4.786	34.921	286.3	4.770					
250.0	4.680	34.921	285.8	4.661					
300.0	4.667	34.937	280.3	4.644					
350.0	4.436	34.924	288.2	4.410					
400.0	4.274	34.913	289.8	4.244					
450.0	4.188	34.909	294.2	4.155					
500.0	4.129	34.906	295.5	4.092					
550.0	4.078	34.904	297.5	4.038					
600.0	4.046	34.902	295.5	4.002					
650.0	4.010	34.900	298.3	3.962					
700.0	3.982	34.899	295.2	3.930					
750.0	3.936	34.895	294.0	3.880					
800.0	3.899	34.892	293.0	3.840					
850.0	3.835	34.886	292.2	3.773					
900.0	3.802	34.884	291.1	3.735					
950.0	3.765	34.881	291.3	3.694					
1000.0	3.718	34.875	293.1	3.644					
1050.0	3.702	34.875	292.2	3.624					
1100.0	3.692	34.877	290.9	3.610					
1150.0	3.733	34.887	286.5	3.646					
1200.0	3.783	34.900	281.1	3.691					
1250.0	3.808	34.911	277.8	3.712					
1300.0	3.824	34.920	275.2	3.723					
1350.0	3.822	34.930	273.4	3.717					
1400.0	3.815	34.936	272.3	3.706					
1450.0	3.787	34.940	272.0	3.674					
1500.0	3.740	34.939	272.1	3.623					
1550.0	3.741	34.946	271.8	3.619					
1600.0	3.671	34.941	272.5	3.546					
1650.0	3.616	34.939	272.6	3.487					
1700.0	3.570	34.938	273.2	3.437					
1750.0	3.529	34.938	273.3	3.392					
1800.0	3.502	34.940	273.4	3.361					
1850.0	3.454	34.938	273.8	3.308					
1900.0	3.403	34.936	274.3	3.254					
1950.0	3.372	34.938	274.5	3.219					
2000.0	3.343	34.940	274.5	3.185					
2050.0	3.339	34.946	274.3	3.177					
2100.0	3.348	34.952	273.7	3.181					
2150.0	3.314	34.953	273.7	3.143					
2200.0	3.268	34.950	274.1	3.092					
2250.0	3.197	34.944	274.5	3.018					
2300.0	3.143	34.938	275.4	2.960					
2350.0	3.100	34.938	275.5	2.913					
2400.0	3.060	34.937	275.8	2.869					
2450.0	3.042	34.940	275.3	2.846					
2500.0	3.015	34.941	275.3	2.815					
2550.0	3.003	34.941	275.5	2.798					
2600.0	2.979	34.941	275.5	2.769					
2650.0	2.951	34.941	275.7	2.737					
2700.0	2.907	34.939	276.5	2.689					
2750.0	2.867	34.938	277.0	2.645					
2800.0	2.822	34.935	277.3	2.595					
2850.0	2.789	34.937	277.3	2.559					
2900.0	2.709	34.929	279.7	2.474					
2950.0	2.614	34.925	281.9	2.377					
3000.0	2.507	34.921	283.8	2.267					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 89

Profile	: 90	Cruise	: GEOVIDE (Classic)
Station	: 42	Cast	: 3
Date	: 13/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3093 m	Organism	: CNRS - IFREMER
Position	: N 59 21.79 W 036 23.78		

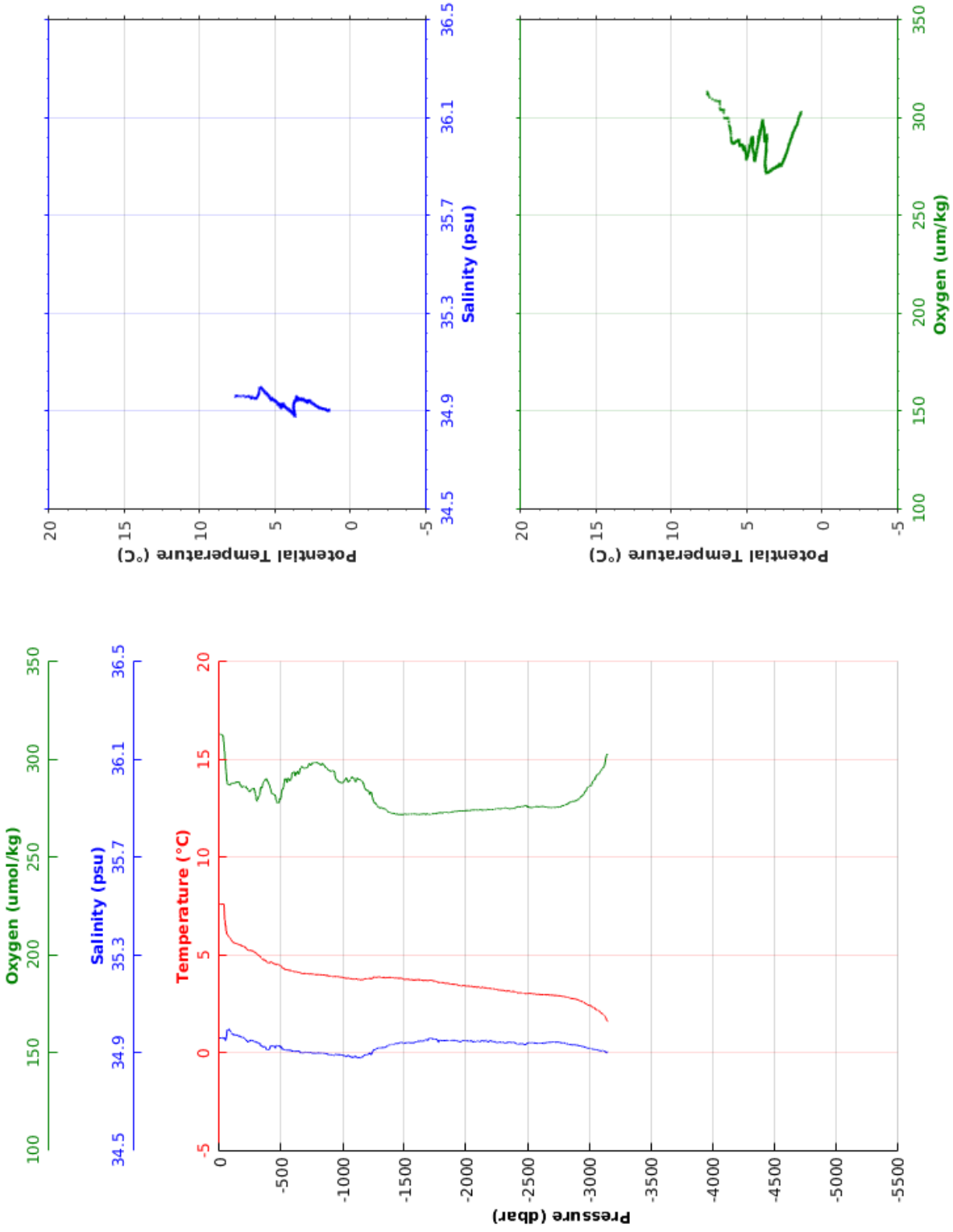
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.830	34.960	309.2	7.830
10.0	7.834	34.961	309.3	7.833
20.0	7.836	34.961	308.4	7.834
30.0	6.715	34.916	309.0	6.712
40.0	6.590	34.924	305.1	6.586
50.0	6.284	34.940	300.2	6.279
100.0	5.441	34.950	291.2	5.433
150.0	5.114	34.945	283.3	5.103
200.0	4.820	34.932	282.7	4.805
201.0	4.812	34.931	283.0	4.796


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 90

Profile	: 91	Cruise	: GEOVIDE (Classic)
Station	: 43	Cast	: 1
Date	: 13/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3112 m	Organism	: CNRS - IFREMER
Position	: N 59 29.48 W 037 40.83		

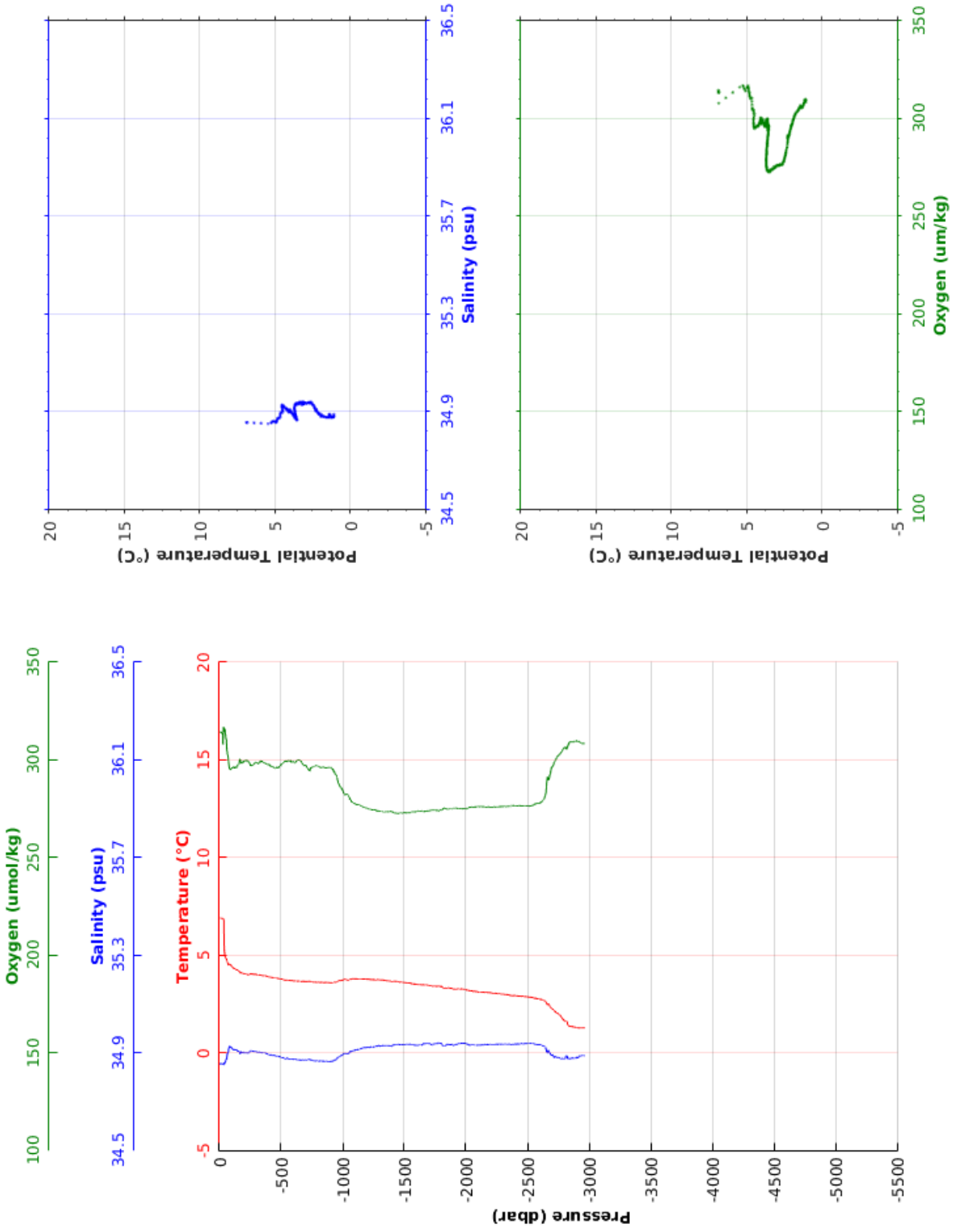
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.597	34.960	313.0	7.597	3050.0	2.259	34.913	289.7	2.019
10.0	7.597	34.959	313.1	7.596	3100.0	2.033	34.908	294.6	1.793
20.0	7.597	34.959	312.8	7.595	3150.0	1.610	34.903	302.9	1.375
30.0	7.598	34.959	312.5	7.595	3152.0	1.601	34.904	302.4	1.366
40.0	7.099	34.961	308.9	7.095					
50.0	6.521	34.958	302.6	6.517					
100.0	5.723	34.980	287.7	5.715					
150.0	5.542	34.969	288.4	5.530					
200.0	5.429	34.962	286.3	5.413					
250.0	5.222	34.947	283.6	5.202					
300.0	5.063	34.942	281.8	5.039					
350.0	4.808	34.929	285.4	4.781					
400.0	4.596	34.912	288.8	4.566					
450.0	4.535	34.925	282.0	4.501					
500.0	4.449	34.926	279.6	4.411					
550.0	4.234	34.911	289.2	4.193					
600.0	4.162	34.906	293.5	4.117					
650.0	4.117	34.906	292.5	4.068					
700.0	4.057	34.902	295.5	4.005					
750.0	4.019	34.899	296.9	3.963					
800.0	3.989	34.898	298.4	3.929					
850.0	3.965	34.897	297.3	3.902					
900.0	3.907	34.891	294.3	3.840					
950.0	3.895	34.892	290.3	3.824					
1000.0	3.847	34.890	288.0	3.772					
1050.0	3.813	34.887	288.4	3.734					
1100.0	3.754	34.880	290.5	3.671					
1150.0	3.731	34.880	289.8	3.644					
1200.0	3.776	34.891	284.3	3.684					
1250.0	3.825	34.906	280.1	3.729					
1300.0	3.871	34.921	275.4	3.770					
1350.0	3.827	34.922	274.7	3.722					
1400.0	3.836	34.933	272.5	3.727					
1450.0	3.801	34.937	272.1	3.687					
1500.0	3.752	34.937	272.0	3.635					
1550.0	3.735	34.940	272.0	3.613					
1600.0	3.727	34.944	272.0	3.601					
1650.0	3.686	34.947	272.2	3.556					
1700.0	3.700	34.957	272.1	3.565					
1750.0	3.655	34.955	272.4	3.516					
1800.0	3.581	34.949	272.8	3.439					
1850.0	3.536	34.949	272.9	3.390					
1900.0	3.497	34.950	273.1	3.346					
1950.0	3.424	34.944	273.7	3.270					
2000.0	3.418	34.949	273.9	3.259					
2050.0	3.391	34.948	273.8	3.228					
2100.0	3.350	34.948	274.1	3.183					
2150.0	3.312	34.947	274.2	3.140					
2200.0	3.283	34.948	274.3	3.107					
2250.0	3.224	34.942	274.7	3.044					
2300.0	3.183	34.942	275.0	3.000					
2350.0	3.146	34.942	274.8	2.958					
2400.0	3.105	34.940	275.2	2.913					
2450.0	3.048	34.935	275.8	2.853					
2500.0	3.024	34.938	276.0	2.823					
2550.0	3.006	34.939	275.5	2.801					
2600.0	2.975	34.938	275.9	2.765					
2650.0	2.962	34.941	275.9	2.748					
2700.0	2.938	34.943	275.4	2.719					
2750.0	2.910	34.942	275.6	2.687					
2800.0	2.862	34.939	276.4	2.635					
2850.0	2.781	34.933	278.1	2.550					
2900.0	2.718	34.930	279.1	2.483					
2950.0	2.596	34.925	281.6	2.359					
3000.0	2.422	34.918	286.2	2.184					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 91

Profile : 92	Cruise : GEOVIDE (Classic)
Station : 44	Cast : 1
Date : 13/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2926 m	Organism : CNRS - IFREMER
Position : N 59 37.39 W 038 57.23	

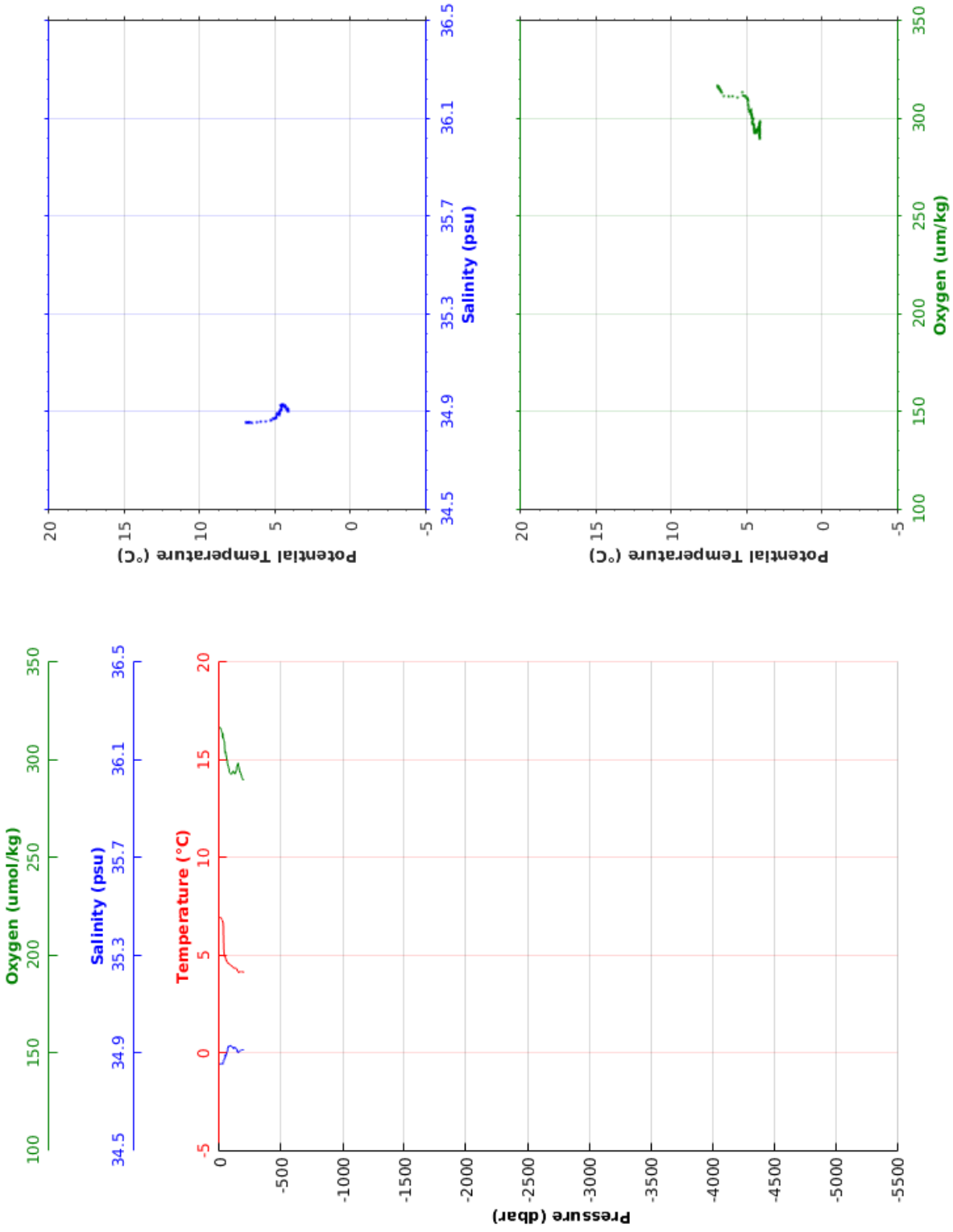
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.880	34.854	314.1	6.880
10.0	6.877	34.854	314.3	6.876
20.0	6.880	34.854	314.2	6.878
30.0	6.871	34.854	313.1	6.869
40.0	5.191	34.855	316.0	5.188
50.0	4.882	34.860	315.5	4.879
100.0	4.425	34.920	295.3	4.418
150.0	4.196	34.908	296.6	4.186
200.0	4.046	34.900	298.9	4.032
250.0	4.035	34.906	298.1	4.018
300.0	4.004	34.904	298.7	3.983
350.0	3.949	34.900	299.2	3.924
400.0	3.880	34.893	297.7	3.852
450.0	3.835	34.889	296.3	3.803
500.0	3.775	34.882	297.0	3.739
550.0	3.716	34.877	299.1	3.678
600.0	3.681	34.873	299.1	3.638
650.0	3.649	34.869	299.8	3.603
700.0	3.645	34.870	297.1	3.595
750.0	3.629	34.869	296.0	3.576
800.0	3.604	34.866	297.0	3.547
850.0	3.594	34.865	296.2	3.533
900.0	3.581	34.864	296.1	3.515
950.0	3.620	34.872	292.4	3.551
1000.0	3.721	34.891	284.9	3.646
1050.0	3.732	34.897	282.1	3.653
1100.0	3.778	34.910	277.6	3.695
1150.0	3.768	34.915	276.5	3.681
1200.0	3.762	34.921	275.2	3.670
1250.0	3.740	34.923	274.5	3.645
1300.0	3.737	34.929	273.6	3.638
1350.0	3.690	34.928	273.4	3.587
1400.0	3.640	34.927	273.6	3.533
1450.0	3.636	34.933	272.6	3.524
1500.0	3.588	34.933	273.0	3.473
1550.0	3.553	34.934	273.0	3.433
1600.0	3.498	34.930	273.5	3.375
1650.0	3.468	34.933	273.9	3.341
1700.0	3.447	34.937	273.8	3.315
1750.0	3.405	34.936	274.2	3.269
1800.0	3.388	34.938	274.3	3.248
1850.0	3.328	34.935	274.9	3.184
1900.0	3.257	34.929	275.2	3.110
1950.0	3.259	34.936	275.0	3.107
2000.0	3.227	34.937	275.0	3.071
2050.0	3.155	34.932	275.8	2.996
2100.0	3.109	34.931	276.1	2.946
2150.0	3.094	34.933	276.0	2.926
2200.0	3.066	34.934	275.9	2.893
2250.0	3.027	34.934	276.0	2.851
2300.0	3.000	34.935	276.2	2.820
2350.0	2.951	34.934	276.2	2.767
2400.0	2.918	34.935	276.4	2.730
2450.0	2.891	34.936	276.5	2.698
2500.0	2.858	34.938	276.4	2.660
2550.0	2.807	34.936	276.9	2.606
2600.0	2.746	34.933	277.9	2.541
2650.0	2.606	34.921	282.2	2.398
2700.0	2.246	34.888	296.1	2.041
2750.0	1.978	34.879	301.9	1.774
2800.0	1.635	34.875	306.1	1.434
2850.0	1.340	34.876	309.2	1.139
2900.0	1.284	34.878	309.8	1.080
2950.0	1.274	34.888	308.4	1.065
2968.0	1.271	34.887	308.6	1.061


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 92

Profile	: 93	Cruise	: GEOVIDE (Classic)
Station	: 44	Cast	: 3
Date	: 13/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2926 m	Organism	: CNRS - IFREMER
Position	: N 59 37.36 W 038 57.23		

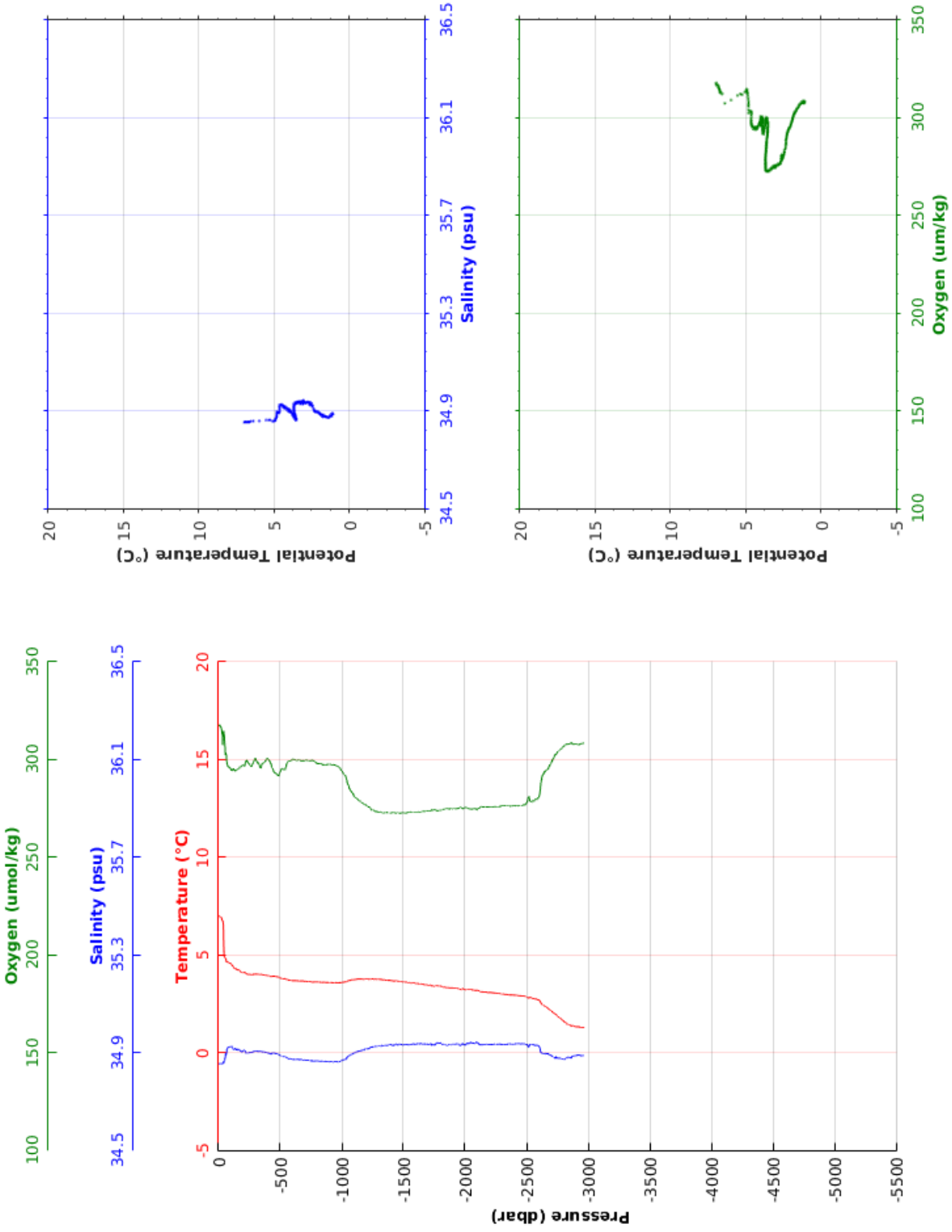
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.922	34.854	316.8	6.922
10.0	6.903	34.853	316.3	6.902
20.0	6.826	34.854	315.7	6.824
30.0	6.646	34.854	313.3	6.644
40.0	4.995	34.870	310.6	4.992
50.0	4.853	34.891	305.1	4.849
100.0	4.441	34.927	292.7	4.434
150.0	4.158	34.903	297.1	4.147
200.0	4.137	34.911	289.7	4.123
202.0	4.135	34.911	290.0	4.121


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 93

Profile	: 94	Cruise	: GEOVIDE (Classic)
Station	: 44	Cast	: 5
Date	: 13/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2926 m	Organism	: CNRS - IFREMER
Position	: N 59 37.36 W 038 57.23		

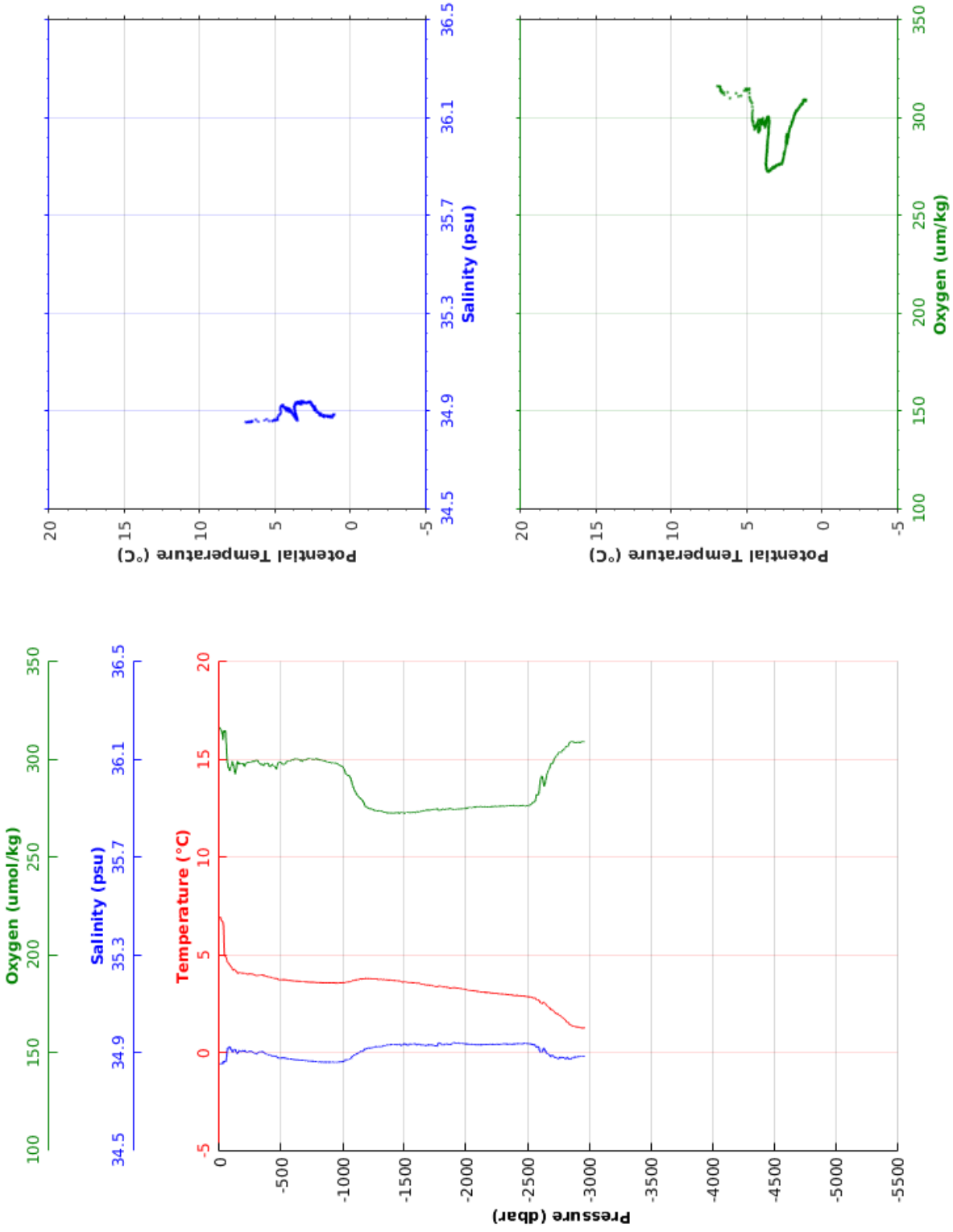
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.967	34.853	317.3	6.967
10.0	6.958	34.854	317.5	6.958
20.0	6.949	34.854	317.3	6.948
30.0	6.790	34.854	315.2	6.787
40.0	5.976	34.858	309.1	5.973
50.0	4.896	34.866	313.0	4.892
100.0	4.558	34.925	295.4	4.550
150.0	4.234	34.910	294.5	4.223
200.0	4.083	34.904	297.3	4.069
250.0	4.008	34.900	297.9	3.990
300.0	4.022	34.906	300.4	4.000
350.0	3.993	34.905	295.8	3.968
400.0	3.938	34.899	300.6	3.909
450.0	3.906	34.897	294.5	3.873
500.0	3.816	34.887	293.0	3.781
550.0	3.749	34.880	295.8	3.710
600.0	3.686	34.873	299.8	3.643
650.0	3.668	34.871	299.7	3.622
700.0	3.645	34.869	299.4	3.596
750.0	3.626	34.867	299.3	3.572
800.0	3.612	34.866	298.1	3.555
850.0	3.597	34.864	297.3	3.536
900.0	3.579	34.862	297.6	3.514
950.0	3.572	34.862	297.1	3.503
1000.0	3.596	34.867	294.5	3.523
1050.0	3.673	34.883	288.3	3.595
1100.0	3.736	34.897	282.1	3.653
1150.0	3.761	34.906	278.9	3.674
1200.0	3.765	34.914	276.7	3.674
1250.0	3.765	34.923	274.1	3.669
1300.0	3.752	34.926	272.9	3.652
1350.0	3.718	34.929	272.8	3.615
1400.0	3.686	34.932	272.6	3.579
1450.0	3.655	34.933	272.5	3.544
1500.0	3.614	34.932	272.8	3.499
1550.0	3.570	34.932	273.0	3.450
1600.0	3.540	34.933	273.1	3.416
1650.0	3.501	34.936	273.4	3.373
1700.0	3.459	34.935	273.7	3.327
1750.0	3.404	34.931	274.1	3.269
1800.0	3.404	34.939	274.0	3.264
1850.0	3.322	34.930	274.9	3.179
1900.0	3.311	34.935	274.8	3.163
1950.0	3.277	34.935	274.9	3.125
2000.0	3.215	34.931	275.3	3.059
2050.0	3.228	34.942	274.6	3.067
2100.0	3.199	34.943	274.4	3.034
2150.0	3.103	34.933	275.7	2.935
2200.0	3.073	34.933	275.7	2.900
2250.0	3.042	34.934	275.9	2.865
2300.0	2.996	34.933	276.2	2.815
2350.0	2.958	34.934	276.5	2.773
2400.0	2.941	34.935	276.3	2.752
2450.0	2.904	34.936	276.6	2.711
2500.0	2.853	34.933	277.5	2.655
2550.0	2.776	34.931	278.7	2.575
2600.0	2.693	34.927	280.5	2.489
2650.0	2.360	34.894	293.8	2.157
2700.0	2.139	34.888	297.8	1.937
2750.0	1.880	34.878	303.1	1.678
2800.0	1.625	34.873	306.4	1.424
2850.0	1.409	34.879	308.2	1.207
2900.0	1.323	34.886	307.9	1.119
2950.0	1.281	34.887	308.2	1.073
2970.0	1.283	34.887	308.4	1.073


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 94

Profile	: 95	Cruise	: GEOVIDE (Classic)
Station	: 44	Cast	: 7
Date	: 14/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2927 m	Organism	: CNRS - IFREMER
Position	: N 59 37.36 W 038 57.24		

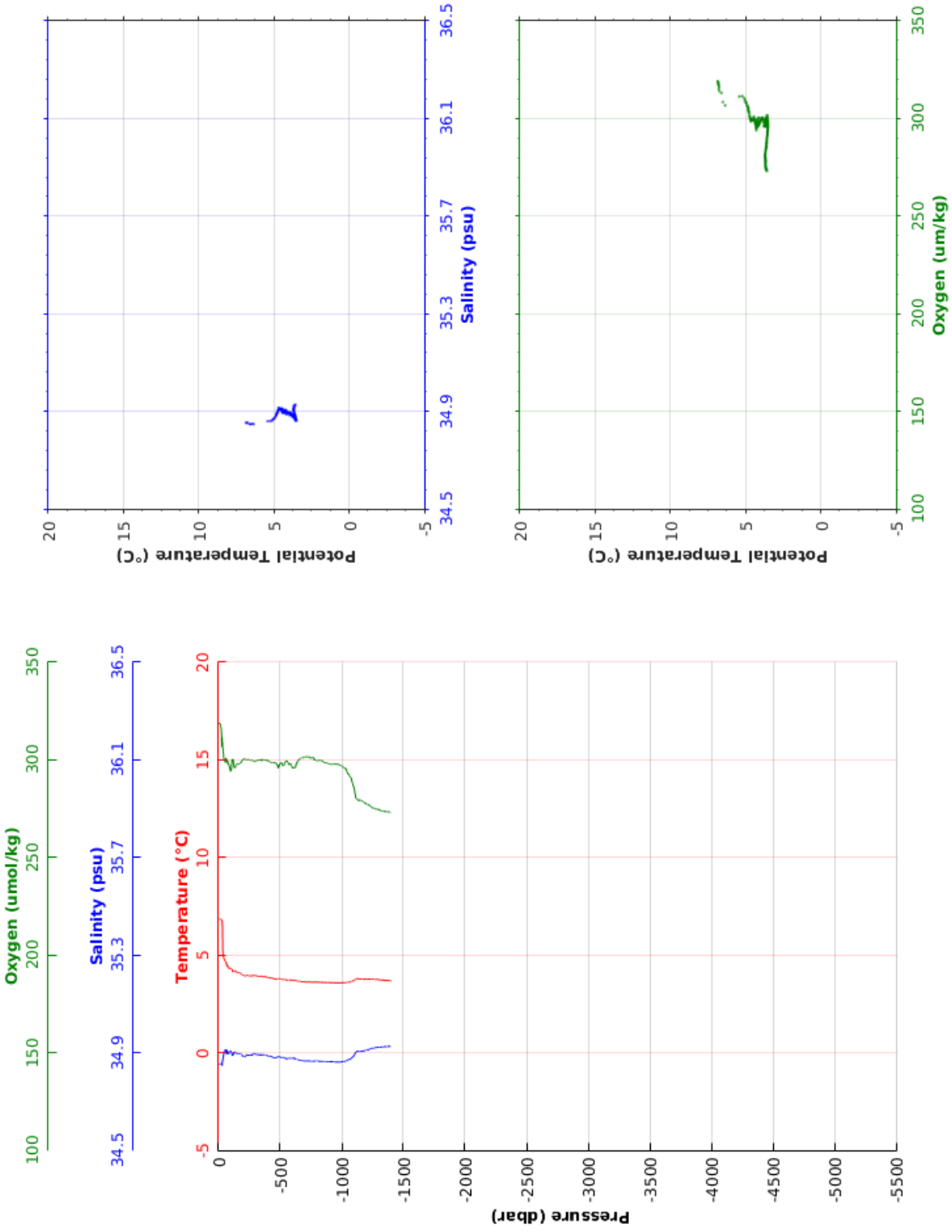
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.929	34.854	316.1	6.929
10.0	6.902	34.854	316.2	6.901
20.0	6.732	34.855	314.9	6.731
30.0	6.627	34.854	312.7	6.624
40.0	5.060	34.861	315.0	5.057
50.0	4.880	34.863	314.9	4.876
100.0	4.344	34.912	296.2	4.337
150.0	4.044	34.896	298.6	4.033
200.0	4.051	34.905	297.9	4.037
250.0	4.028	34.905	298.6	4.010
300.0	3.938	34.896	299.5	3.917
350.0	3.968	34.903	297.5	3.943
400.0	3.859	34.890	298.0	3.831
450.0	3.791	34.884	296.6	3.759
500.0	3.723	34.877	298.8	3.688
550.0	3.705	34.875	298.8	3.666
600.0	3.668	34.872	299.9	3.626
650.0	3.642	34.869	300.1	3.596
700.0	3.621	34.867	299.9	3.572
750.0	3.604	34.865	300.2	3.551
800.0	3.582	34.862	300.2	3.525
850.0	3.569	34.860	299.4	3.508
900.0	3.566	34.860	298.5	3.501
950.0	3.561	34.860	298.3	3.492
1000.0	3.572	34.862	296.5	3.499
1050.0	3.621	34.872	291.6	3.543
1100.0	3.712	34.891	284.3	3.630
1150.0	3.761	34.904	280.0	3.674
1200.0	3.788	34.916	275.6	3.696
1250.0	3.769	34.921	274.5	3.673
1300.0	3.741	34.923	273.9	3.642
1350.0	3.728	34.929	272.9	3.624
1400.0	3.706	34.932	272.8	3.598
1450.0	3.660	34.931	272.9	3.548
1500.0	3.631	34.935	272.6	3.515
1550.0	3.590	34.935	272.8	3.470
1600.0	3.542	34.932	273.1	3.418
1650.0	3.495	34.930	273.8	3.368
1700.0	3.453	34.932	274.1	3.322
1750.0	3.380	34.927	274.5	3.245
1800.0	3.392	34.936	274.1	3.252
1850.0	3.345	34.935	274.6	3.201
1900.0	3.324	34.939	274.6	3.176
1950.0	3.286	34.938	274.7	3.134
2000.0	3.226	34.935	275.2	3.070
2050.0	3.170	34.933	275.4	3.010
2100.0	3.125	34.932	275.7	2.962
2150.0	3.090	34.932	275.9	2.923
2200.0	3.055	34.933	275.9	2.883
2250.0	3.025	34.934	276.0	2.849
2300.0	2.994	34.934	276.2	2.813
2350.0	2.959	34.934	276.4	2.774
2400.0	2.924	34.935	276.3	2.736
2450.0	2.899	34.936	276.4	2.706
2500.0	2.862	34.937	276.5	2.664
2550.0	2.795	34.932	278.2	2.594
2600.0	2.606	34.911	284.7	2.403
2650.0	2.477	34.904	288.5	2.273
2700.0	2.177	34.887	298.0	1.973
2750.0	1.936	34.875	302.7	1.732
2800.0	1.700	34.876	305.2	1.497
2850.0	1.414	34.873	308.8	1.212
2900.0	1.309	34.882	308.9	1.105
2950.0	1.258	34.884	309.1	1.050
2967.0	1.260	34.884	309.2	1.050


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 95

Profile	: 96	Cruise	: GEOVIDE (Classic)
Station	: 44	Cast	: 9
Date	: 14/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2927 m	Organism	: CNRS - IFREMER
Position	: N 59 37.36 W 038 57.24		

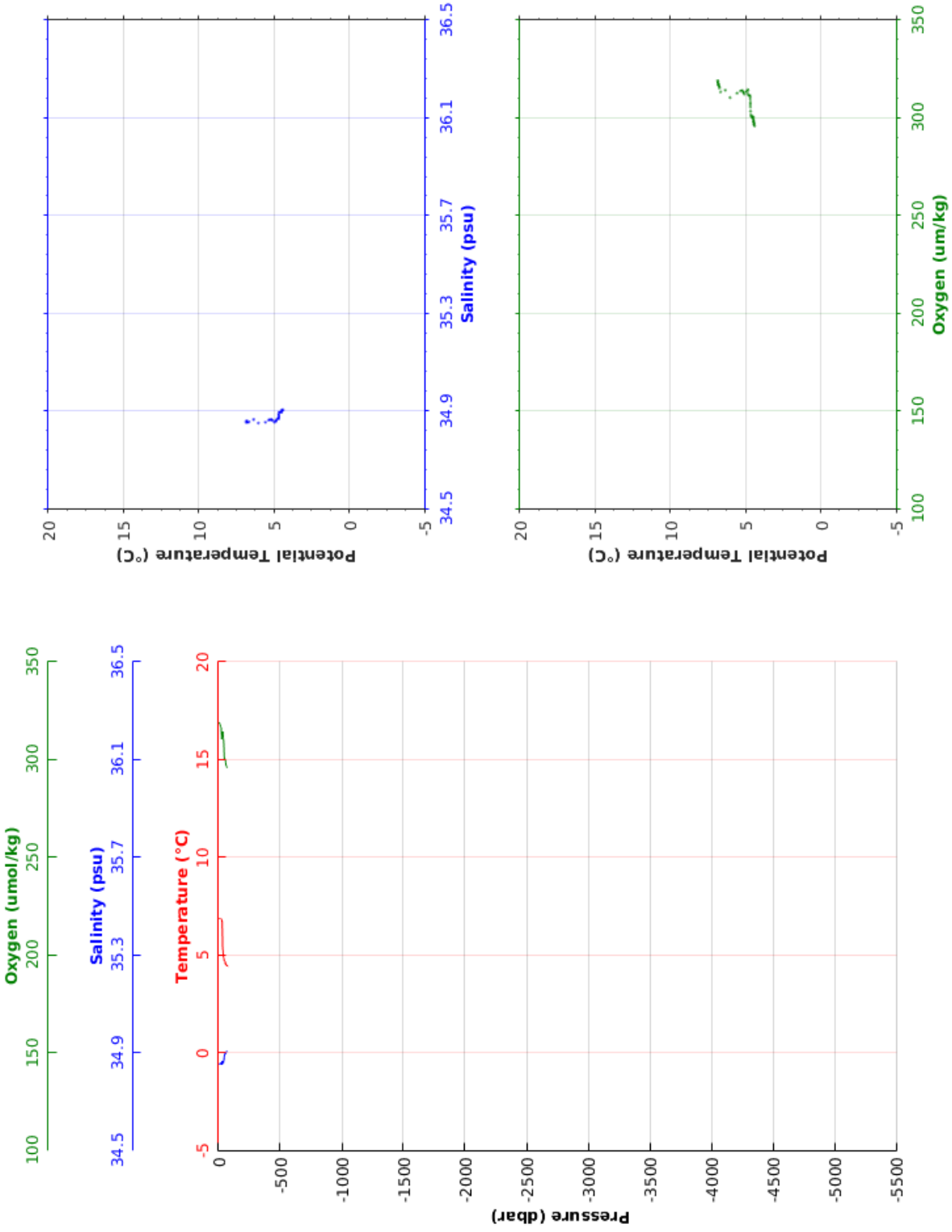
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.843	34.853	318.9	6.843
10.0	6.828	34.853	318.8	6.827
20.0	6.835	34.853	318.5	6.834
30.0	6.601	34.847	313.1	6.598
40.0	4.877	34.881	306.4	4.874
50.0	4.708	34.906	300.4	4.705
100.0	4.295	34.906	294.8	4.288
150.0	4.118	34.896	297.5	4.107
200.0	3.959	34.886	299.9	3.945
250.0	3.933	34.889	300.3	3.915
300.0	3.943	34.894	299.4	3.922
350.0	3.897	34.890	300.1	3.872
400.0	3.861	34.888	299.7	3.833
450.0	3.776	34.879	298.7	3.744
500.0	3.769	34.881	297.5	3.734
550.0	3.717	34.876	299.1	3.678
600.0	3.718	34.878	296.5	3.676
650.0	3.661	34.871	299.4	3.615
700.0	3.627	34.866	301.4	3.577
750.0	3.620	34.866	301.2	3.566
800.0	3.613	34.865	299.7	3.556
850.0	3.597	34.863	299.3	3.535
900.0	3.589	34.863	298.1	3.523
950.0	3.577	34.862	297.8	3.508
1000.0	3.575	34.862	297.0	3.502
1050.0	3.615	34.870	293.6	3.537
1100.0	3.697	34.888	286.5	3.615
1150.0	3.772	34.905	279.5	3.685
1200.0	3.764	34.910	277.7	3.672
1250.0	3.767	34.918	275.5	3.671
1300.0	3.745	34.922	274.7	3.646
1350.0	3.711	34.924	273.6	3.608
1400.0	3.681	34.927	273.3	3.573
1402.0	3.681	34.927	273.2	3.573


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 96

Profile	: 97	Cruise	: GEOVIDE (Classic)
Station	: 44	Cast	: 11
Date	: 14/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2927 m	Organism	: CNRS - IFREMER
Position	: N 59 37.36 W 038 57.24		

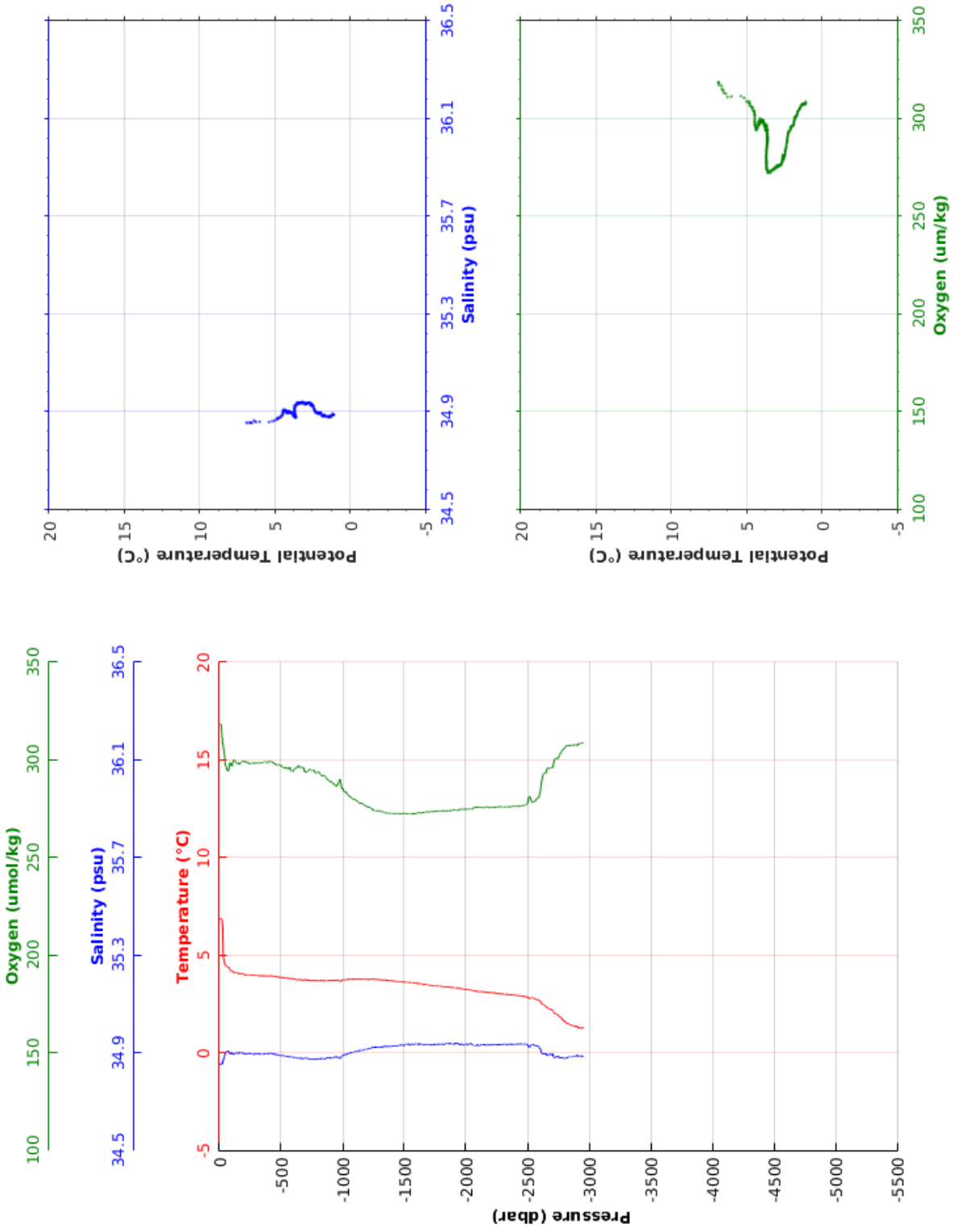
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.861	34.853	319.0	6.860
10.0	6.861	34.853	318.9	6.860
20.0	6.824	34.853	317.4	6.822
30.0	6.346	34.864	314.2	6.344
40.0	4.864	34.858	314.3	4.861
50.0	4.676	34.883	305.6	4.672
77.0	4.403	34.904	295.9	4.397


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 97

Profile : 98	Cruise : GEOVIDE (Classic)
Station : 44	Cast : 13
Date : 14/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2929 m	Organism : CNRS - IFREMER
Position : N 59 38.20 W 038 58.97	

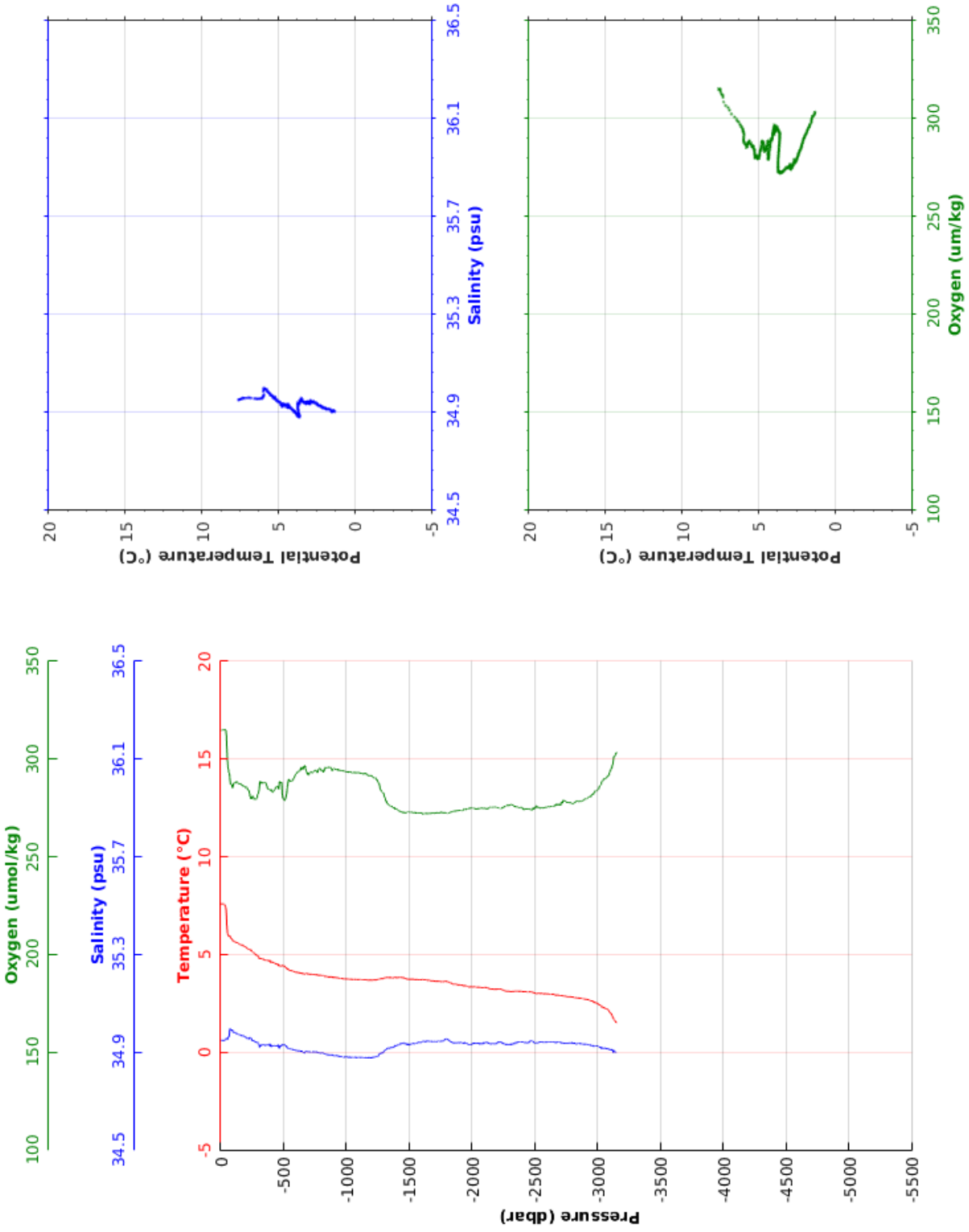
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.862	34.852	318.2	6.862
10.0	6.864	34.853	318.4	6.863
20.0	6.854	34.853	318.2	6.852
30.0	5.165	34.860	310.6	5.163
40.0	4.623	34.876	305.6	4.620
50.0	4.462	34.898	300.2	4.458
100.0	4.190	34.897	298.3	4.183
150.0	4.063	34.898	298.1	4.052
200.0	4.012	34.897	299.1	3.998
250.0	3.988	34.897	298.1	3.971
300.0	3.965	34.896	298.4	3.943
350.0	3.934	34.895	298.6	3.909
400.0	3.933	34.896	298.8	3.905
450.0	3.902	34.893	298.1	3.870
500.0	3.846	34.888	297.3	3.811
550.0	3.815	34.885	296.1	3.775
600.0	3.776	34.881	294.1	3.734
650.0	3.731	34.876	297.0	3.685
700.0	3.726	34.878	293.9	3.675
750.0	3.686	34.873	294.9	3.632
800.0	3.678	34.873	293.7	3.620
850.0	3.677	34.874	292.1	3.616
900.0	3.691	34.878	289.2	3.625
950.0	3.710	34.883	286.9	3.640
1000.0	3.721	34.888	285.4	3.647
1050.0	3.749	34.896	282.1	3.671
1100.0	3.767	34.904	279.9	3.684
1150.0	3.765	34.909	277.5	3.678
1200.0	3.755	34.914	276.2	3.664
1250.0	3.760	34.922	274.4	3.664
1300.0	3.735	34.922	273.8	3.635
1350.0	3.717	34.926	272.9	3.614
1400.0	3.677	34.926	272.7	3.570
1450.0	3.638	34.927	272.5	3.526
1500.0	3.614	34.931	272.6	3.498
1550.0	3.576	34.931	272.6	3.456
1600.0	3.558	34.936	272.4	3.434
1650.0	3.503	34.932	273.0	3.375
1700.0	3.465	34.932	273.4	3.334
1750.0	3.425	34.934	273.5	3.289
1800.0	3.398	34.934	273.7	3.258
1850.0	3.369	34.937	273.9	3.225
1900.0	3.331	34.936	274.2	3.183
1950.0	3.278	34.934	274.5	3.126
2000.0	3.235	34.933	274.7	3.079
2050.0	3.205	34.935	274.8	3.045
2100.0	3.136	34.930	275.6	2.972
2150.0	3.113	34.933	275.4	2.944
2200.0	3.079	34.932	275.5	2.906
2250.0	3.039	34.932	275.9	2.863
2300.0	3.004	34.933	275.9	2.823
2350.0	2.975	34.934	276.0	2.790
2400.0	2.937	34.934	276.2	2.748
2450.0	2.902	34.936	276.4	2.709
2500.0	2.845	34.933	277.3	2.648
2550.0	2.789	34.932	278.5	2.588
2600.0	2.643	34.919	282.0	2.440
2650.0	2.368	34.896	293.4	2.165
2700.0	2.176	34.892	296.3	1.972
2750.0	1.926	34.884	300.7	1.723
2800.0	1.619	34.876	305.9	1.418
2850.0	1.421	34.882	307.4	1.219
2900.0	1.337	34.887	307.7	1.133
2950.0	1.270	34.885	308.5	1.062
2960.0	1.271	34.885	308.5	1.062


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 98

Profile : 99	Cruise : GEOVIDE (Classic)
Station : 45	Cast : 1
Date : 15/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3109 m	Organism : CNRS - IFREMER
Position : N 59 29.46 W 037 40.90	

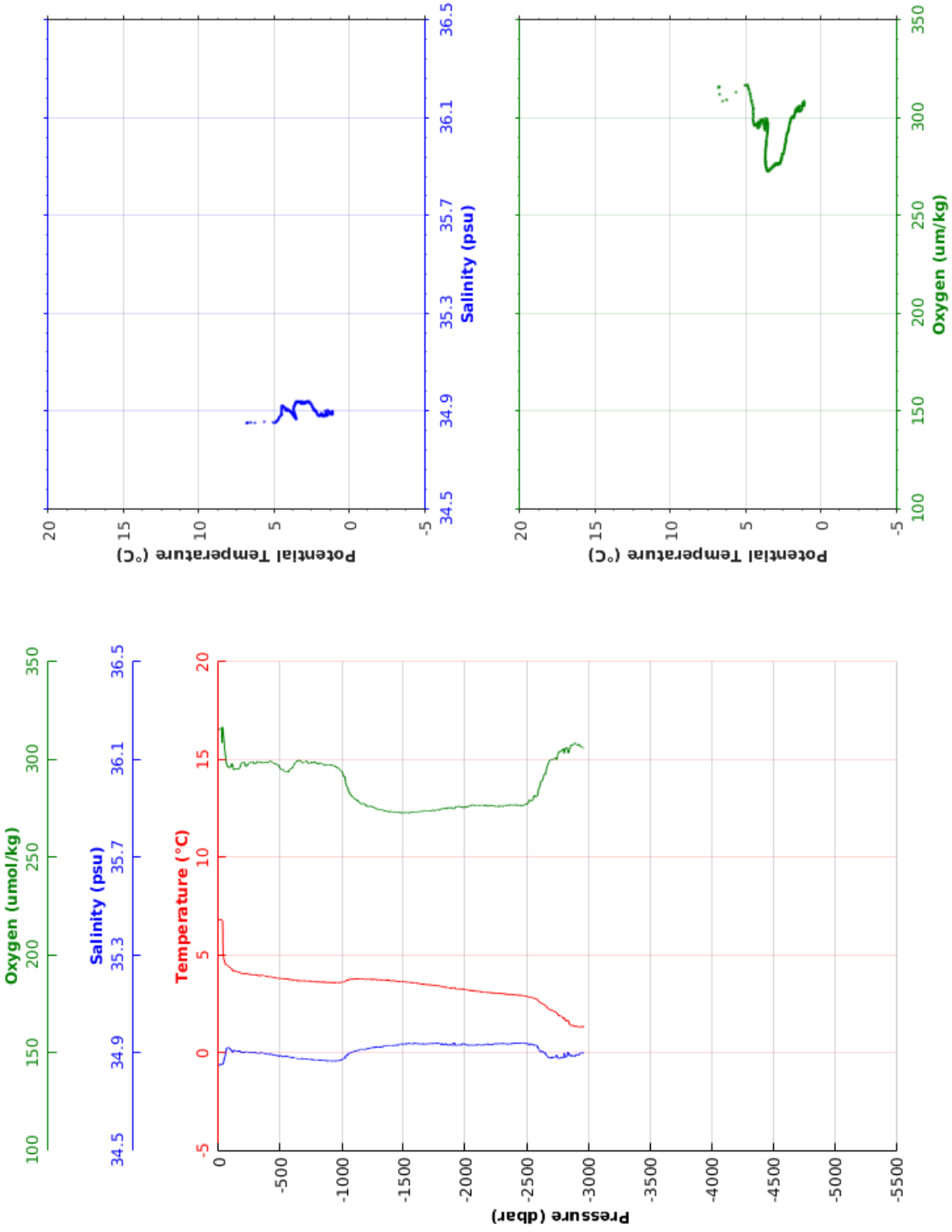
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.588	34.948	314.8	7.587	3050.0	2.274	34.916	289.7	2.034
10.0	7.589	34.948	315.1	7.588	3100.0	2.042	34.910	294.0	1.802
20.0	7.591	34.948	315.0	7.590	3150.0	1.530	34.900	303.3	1.297
30.0	7.547	34.949	315.1	7.544	3154.0	1.531	34.900	303.3	1.297
40.0	7.408	34.952	312.5	7.404					
50.0	6.381	34.953	298.8	6.377					
100.0	5.687	34.981	287.6	5.679					
150.0	5.523	34.970	287.4	5.511					
200.0	5.361	34.959	285.9	5.345					
250.0	5.131	34.947	281.2	5.112					
300.0	4.894	34.936	284.0	4.871					
350.0	4.715	34.928	287.9	4.688					
400.0	4.607	34.925	284.0	4.577					
450.0	4.504	34.927	286.0	4.469					
500.0	4.405	34.930	279.2	4.367					
550.0	4.185	34.913	288.8	4.144					
600.0	4.098	34.907	292.6	4.054					
650.0	4.030	34.903	294.8	3.982					
700.0	4.006	34.902	292.7	3.954					
750.0	3.970	34.900	294.3	3.914					
800.0	3.927	34.896	294.4	3.868					
850.0	3.863	34.890	295.8	3.800					
900.0	3.824	34.886	295.4	3.757					
950.0	3.778	34.882	294.2	3.707					
1000.0	3.750	34.880	293.4	3.675					
1050.0	3.724	34.879	293.1	3.646					
1100.0	3.714	34.878	293.0	3.632					
1150.0	3.696	34.877	292.7	3.609					
1200.0	3.686	34.877	291.3	3.596					
1250.0	3.715	34.885	288.2	3.620					
1300.0	3.789	34.904	280.9	3.689					
1350.0	3.815	34.917	276.0	3.711					
1400.0	3.814	34.928	274.1	3.705					
1450.0	3.815	34.935	272.7	3.702					
1500.0	3.732	34.931	272.9	3.615					
1550.0	3.722	34.937	272.5	3.601					
1600.0	3.714	34.942	272.1	3.589					
1650.0	3.678	34.944	272.2	3.548					
1700.0	3.638	34.944	272.4	3.504					
1750.0	3.610	34.944	272.7	3.472					
1800.0	3.620	34.954	272.4	3.477					
1850.0	3.490	34.938	273.2	3.344					
1900.0	3.441	34.939	273.7	3.292					
1950.0	3.391	34.937	274.3	3.237					
2000.0	3.337	34.932	275.0	3.180					
2050.0	3.323	34.935	274.7	3.161					
2100.0	3.305	34.938	274.8	3.138					
2150.0	3.232	34.934	275.3	3.062					
2200.0	3.222	34.937	275.2	3.048					
2250.0	3.159	34.933	275.5	2.980					
2300.0	3.107	34.932	276.5	2.925					
2350.0	3.114	34.939	275.6	2.927					
2400.0	3.106	34.942	275.2	2.914					
2450.0	3.065	34.939	274.5	2.869					
2500.0	3.018	34.937	275.2	2.817					
2550.0	3.005	34.942	275.0	2.800					
2600.0	2.976	34.941	275.6	2.766					
2650.0	2.953	34.942	275.9	2.739					
2700.0	2.918	34.941	276.6	2.699					
2750.0	2.855	34.936	278.2	2.633					
2800.0	2.822	34.938	277.2	2.596					
2850.0	2.770	34.935	278.2	2.539					
2900.0	2.716	34.932	279.6	2.481					
2950.0	2.628	34.926	281.5	2.390					
3000.0	2.487	34.925	284.2	2.247					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 99

Profile : 100	Cruise : GEOVIDE (Classic)
Station : 46	Cast : 1
Date : 15/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2928 m	Organism : CNRS - IFREMER
Position : N 59 37.41 W 038 57.46	

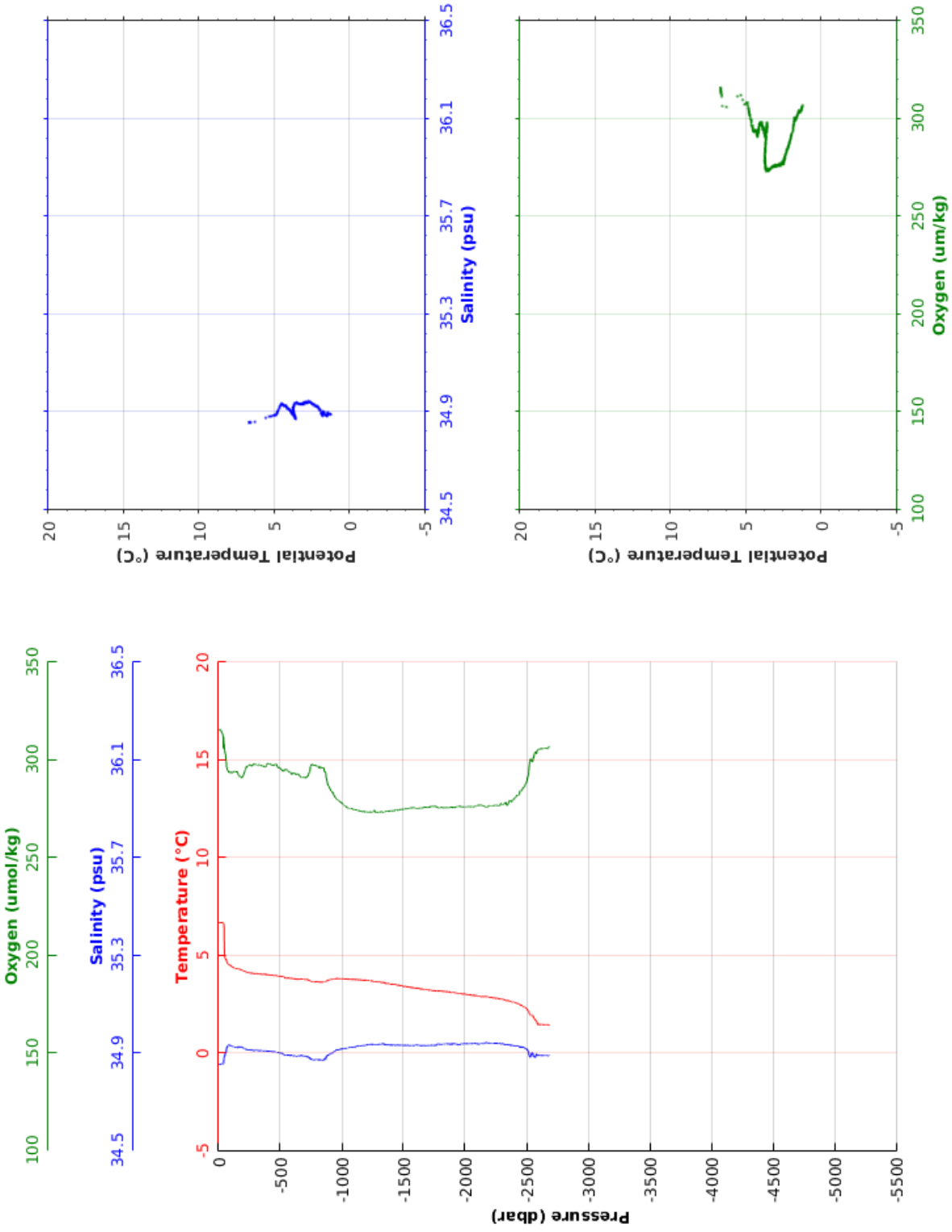
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.806	34.849	315.6	6.806
10.0	6.806	34.849	315.5	6.805
20.0	6.802	34.850	315.8	6.800
30.0	6.756	34.851	315.8	6.753
40.0	4.850	34.855	316.4	4.846
50.0	4.644	34.873	309.1	4.640
100.0	4.323	34.914	295.9	4.316
150.0	4.122	34.905	295.2	4.112
200.0	4.029	34.900	298.4	4.015
250.0	4.005	34.901	297.9	3.987
300.0	3.972	34.900	298.0	3.951
350.0	3.953	34.900	298.8	3.928
400.0	3.888	34.894	298.2	3.860
450.0	3.845	34.891	298.1	3.813
500.0	3.796	34.886	296.2	3.761
550.0	3.770	34.885	294.0	3.731
600.0	3.725	34.880	295.4	3.682
650.0	3.678	34.875	299.3	3.632
700.0	3.666	34.874	298.5	3.616
750.0	3.645	34.872	298.2	3.591
800.0	3.616	34.869	298.4	3.559
850.0	3.604	34.868	297.8	3.543
900.0	3.586	34.866	297.4	3.521
950.0	3.579	34.866	296.5	3.510
1000.0	3.594	34.869	294.3	3.521
1050.0	3.698	34.888	286.3	3.620
1100.0	3.766	34.904	280.5	3.683
1150.0	3.775	34.912	277.9	3.688
1200.0	3.755	34.915	276.5	3.664
1250.0	3.747	34.920	275.9	3.652
1300.0	3.727	34.922	274.7	3.628
1350.0	3.714	34.928	273.7	3.610
1400.0	3.683	34.929	273.3	3.576
1450.0	3.651	34.930	273.0	3.539
1500.0	3.633	34.935	272.6	3.517
1550.0	3.605	34.937	272.7	3.485
1600.0	3.562	34.938	273.1	3.438
1650.0	3.507	34.935	273.5	3.379
1700.0	3.473	34.935	273.7	3.342
1750.0	3.441	34.937	274.2	3.305
1800.0	3.397	34.936	274.3	3.257
1850.0	3.350	34.935	274.8	3.206
1900.0	3.283	34.930	275.4	3.136
1950.0	3.246	34.930	275.9	3.094
2000.0	3.226	34.933	275.6	3.070
2050.0	3.171	34.930	276.5	3.011
2100.0	3.139	34.931	276.5	2.975
2150.0	3.098	34.931	276.6	2.930
2200.0	3.058	34.932	276.4	2.886
2250.0	3.041	34.935	276.1	2.865
2300.0	3.018	34.937	276.1	2.837
2350.0	2.976	34.935	276.7	2.791
2400.0	2.951	34.937	276.7	2.762
2450.0	2.926	34.938	276.4	2.732
2500.0	2.876	34.936	277.4	2.678
2550.0	2.799	34.932	279.2	2.598
2600.0	2.614	34.912	284.2	2.412
2650.0	2.428	34.900	292.4	2.225
2700.0	2.175	34.878	299.9	1.972
2750.0	1.991	34.885	300.3	1.786
2800.0	1.739	34.878	305.5	1.535
2850.0	1.446	34.890	304.7	1.244
2900.0	1.326	34.886	308.5	1.121
2950.0	1.319	34.898	306.4	1.110
2968.0	1.321	34.898	306.4	1.111


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 100

Profile : 101	Cruise : GEOVIDE (Classic)
Station : 47	Cast : 1
Date : 15/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2656 m	Organism : CNRS - IFREMER
Position : N 59 43.34 W 040 15.17	

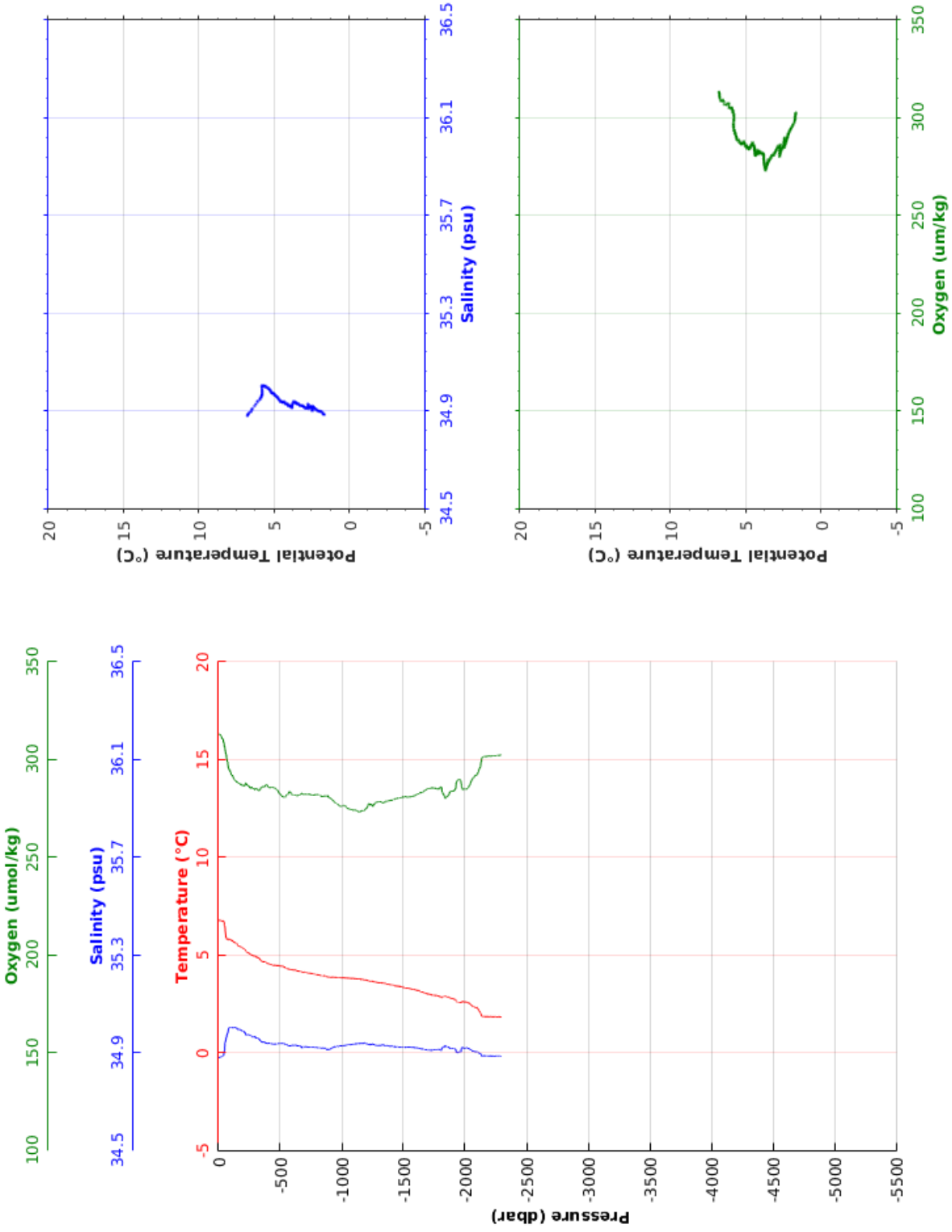
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.658	34.853	314.9	6.658
10.0	6.659	34.853	315.5	6.658
20.0	6.658	34.853	315.3	6.656
30.0	6.655	34.855	314.3	6.652
40.0	6.614	34.854	312.6	6.610
50.0	4.976	34.884	307.7	4.972
100.0	4.441	34.928	293.7	4.434
150.0	4.299	34.922	294.0	4.288
200.0	4.203	34.920	291.3	4.189
250.0	4.091	34.912	296.9	4.074
300.0	4.049	34.909	297.8	4.027
350.0	4.020	34.908	297.1	3.995
400.0	3.987	34.906	297.7	3.959
450.0	3.957	34.904	297.0	3.925
500.0	3.904	34.898	295.9	3.868
550.0	3.822	34.889	295.1	3.782
600.0	3.806	34.889	292.6	3.763
650.0	3.766	34.886	292.7	3.719
700.0	3.753	34.886	291.0	3.703
750.0	3.650	34.873	296.0	3.596
800.0	3.631	34.872	296.9	3.574
850.0	3.615	34.870	295.8	3.554
900.0	3.731	34.891	286.4	3.665
950.0	3.791	34.908	281.1	3.720
1000.0	3.780	34.914	278.3	3.706
1050.0	3.762	34.920	275.6	3.684
1100.0	3.753	34.923	274.7	3.670
1150.0	3.732	34.927	273.9	3.645
1200.0	3.713	34.930	273.4	3.622
1250.0	3.666	34.935	273.3	3.571
1300.0	3.613	34.933	273.3	3.515
1350.0	3.560	34.932	273.4	3.457
1400.0	3.515	34.932	273.8	3.409
1450.0	3.469	34.931	274.3	3.359
1500.0	3.405	34.930	274.6	3.292
1550.0	3.352	34.930	275.3	3.235
1600.0	3.311	34.931	275.3	3.190
1650.0	3.256	34.929	275.4	3.131
1700.0	3.219	34.929	275.7	3.090
1750.0	3.170	34.930	276.2	3.037
1800.0	3.157	34.935	275.6	3.020
1850.0	3.132	34.936	275.5	2.991
1900.0	3.090	34.938	275.7	2.945
1950.0	3.028	34.933	276.2	2.880
2000.0	3.000	34.936	276.0	2.848
2050.0	2.951	34.937	276.1	2.795
2100.0	2.904	34.936	276.5	2.744
2150.0	2.871	34.937	276.6	2.707
2200.0	2.830	34.938	276.4	2.662
2250.0	2.789	34.938	276.8	2.616
2300.0	2.736	34.936	277.3	2.560
2350.0	2.654	34.933	276.9	2.474
2400.0	2.567	34.928	279.8	2.384
2450.0	2.442	34.922	283.8	2.257
2500.0	2.249	34.916	288.2	2.063
2550.0	1.890	34.898	299.1	1.706
2600.0	1.448	34.889	305.3	1.268
2650.0	1.439	34.888	305.8	1.255
2689.0	1.396	34.888	306.7	1.209


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 101

Profile : 102	Cruise : GEOVIDE (Classic)
Station : 48	Cast : 1
Date : 15/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2271 m	Organism : CNRS - IFREMER
Position : N 59 45.46 W 040 54.33	

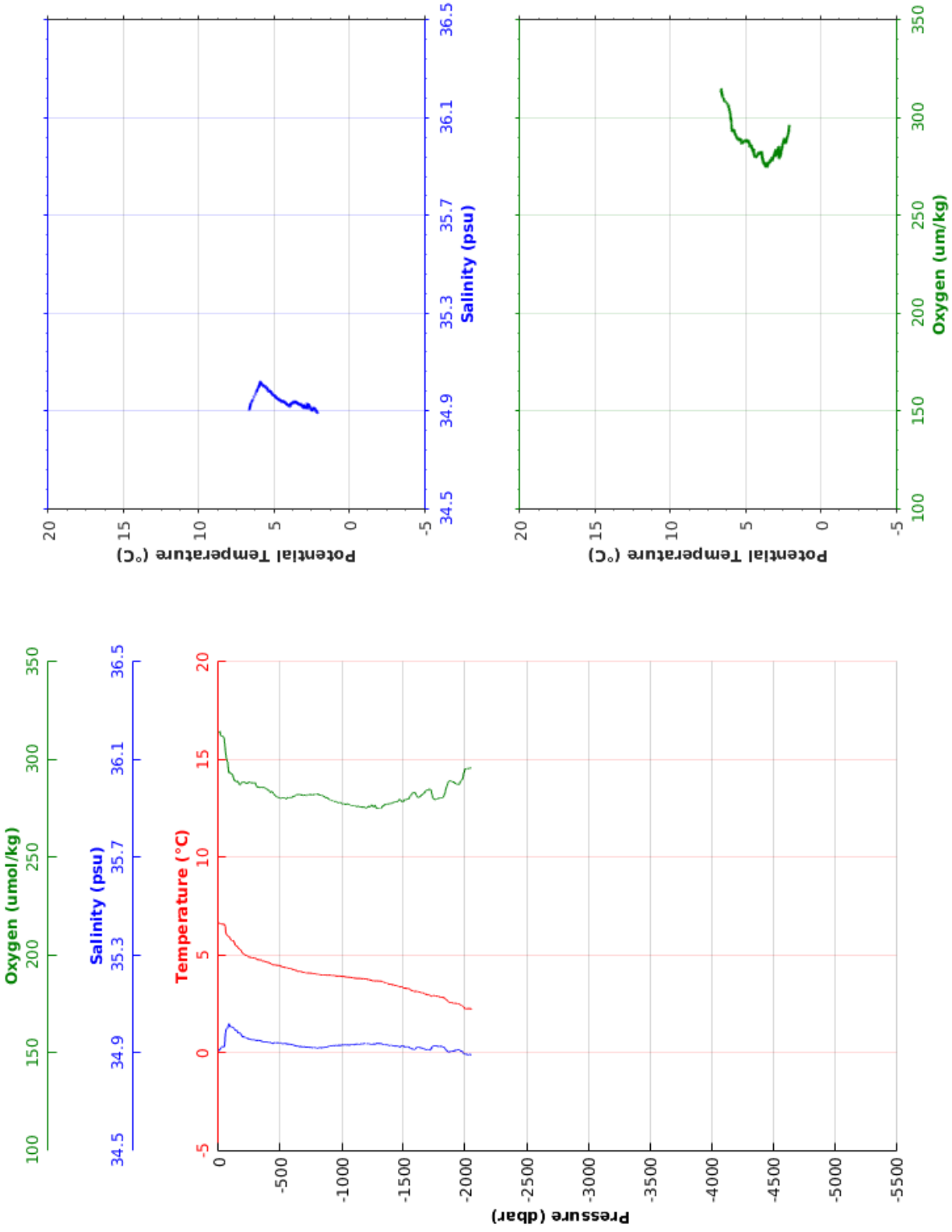
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.762	34.880	312.9	6.762
10.0	6.763	34.880	312.9	6.762
20.0	6.750	34.882	312.5	6.748
30.0	6.738	34.883	311.5	6.735
40.0	6.721	34.885	310.5	6.717
50.0	6.462	34.905	308.6	6.457
100.0	5.796	35.003	293.9	5.788
150.0	5.569	35.000	288.8	5.557
200.0	5.326	34.988	286.9	5.309
250.0	5.069	34.972	286.5	5.049
300.0	4.943	34.965	284.4	4.920
350.0	4.689	34.946	285.6	4.663
400.0	4.549	34.937	287.2	4.519
450.0	4.464	34.934	285.8	4.430
500.0	4.431	34.937	282.3	4.393
550.0	4.321	34.934	281.2	4.280
600.0	4.234	34.930	282.1	4.189
650.0	4.160	34.927	281.8	4.112
700.0	4.111	34.924	282.3	4.059
750.0	4.051	34.922	282.1	3.994
800.0	3.980	34.920	282.1	3.921
850.0	3.929	34.918	281.1	3.865
900.0	3.858	34.913	280.7	3.791
950.0	3.848	34.924	277.8	3.777
1000.0	3.832	34.927	276.0	3.757
1050.0	3.811	34.931	275.2	3.732
1100.0	3.786	34.934	274.1	3.703
1150.0	3.760	34.937	273.2	3.673
1200.0	3.712	34.937	274.6	3.622
1250.0	3.641	34.935	276.6	3.547
1300.0	3.580	34.929	278.4	3.482
1350.0	3.541	34.929	278.1	3.439
1400.0	3.472	34.927	279.1	3.366
1450.0	3.403	34.923	280.2	3.294
1500.0	3.337	34.921	280.9	3.225
1550.0	3.276	34.922	280.9	3.160
1600.0	3.206	34.920	281.6	3.086
1650.0	3.108	34.915	283.2	2.985
1700.0	2.997	34.910	285.1	2.872
1750.0	2.935	34.910	285.3	2.806
1800.0	2.853	34.910	285.4	2.721
1850.0	2.857	34.925	280.6	2.720
1900.0	2.764	34.918	283.8	2.624
1950.0	2.557	34.900	289.6	2.416
2000.0	2.587	34.918	285.0	2.441
2050.0	2.435	34.910	288.2	2.287
2100.0	2.286	34.902	292.0	2.136
2150.0	1.842	34.886	301.2	1.694
2200.0	1.836	34.885	301.7	1.684
2250.0	1.827	34.885	302.1	1.671
2297.0	1.812	34.884	302.5	1.652


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 102

Profile	: 103	Cruise	: GEOVIDE (Classic)
Station	: 49	Cast	: 1
Date	: 15/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2040 m	Organism	: CNRS - IFREMER
Position	: N 59 46.36 W 041 17.81		

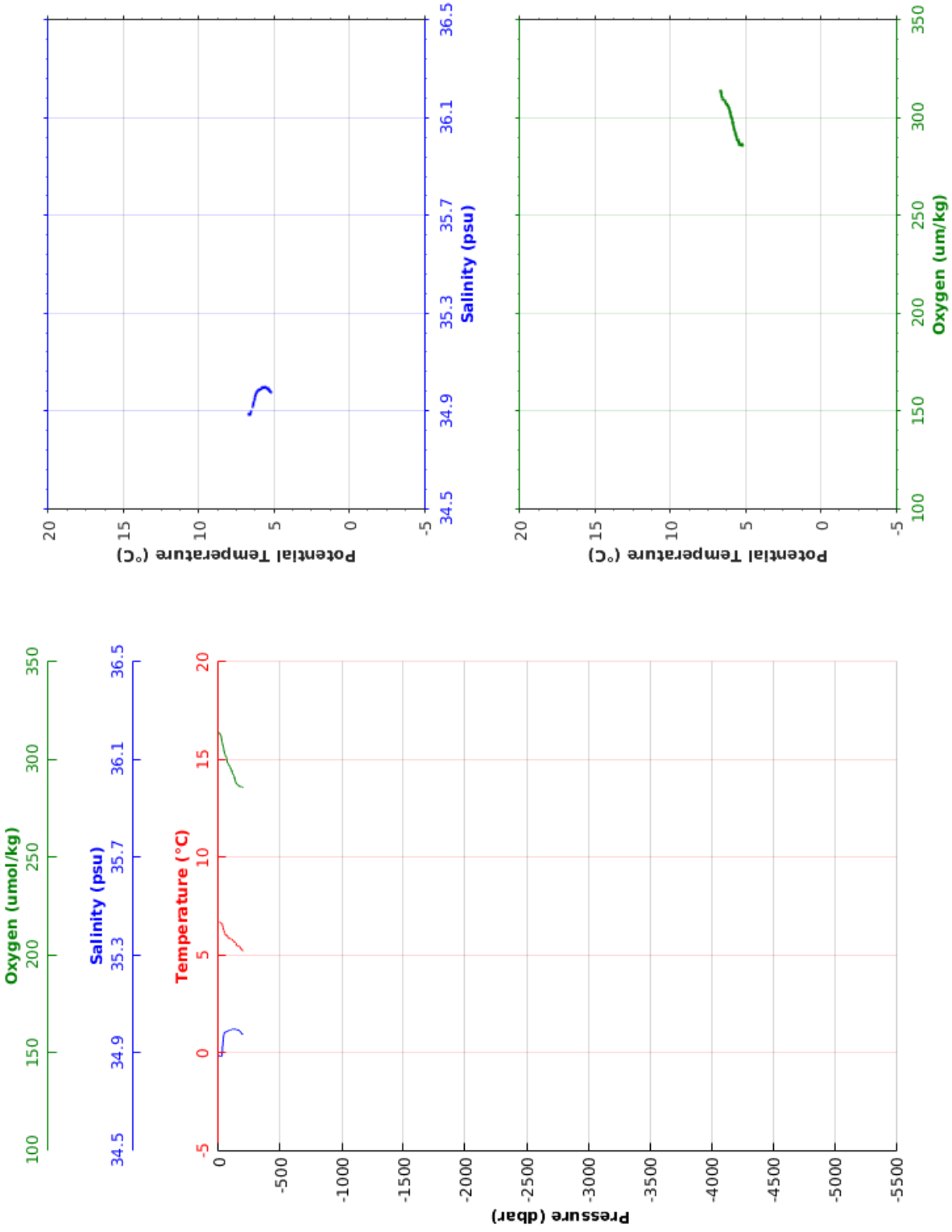
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.627	34.906	313.6	6.627
10.0	6.613	34.910	314.1	6.612
20.0	6.586	34.918	313.5	6.584
30.0	6.570	34.923	312.1	6.567
40.0	6.564	34.924	311.8	6.561
50.0	6.547	34.926	311.2	6.543
100.0	5.764	35.006	293.4	5.756
150.0	5.449	34.990	288.7	5.437
200.0	5.042	34.964	288.4	5.026
250.0	4.880	34.955	288.3	4.861
300.0	4.826	34.951	288.1	4.802
350.0	4.724	34.948	285.8	4.697
400.0	4.612	34.942	284.7	4.582
450.0	4.485	34.939	282.6	4.451
500.0	4.439	34.939	280.3	4.401
550.0	4.340	34.936	280.0	4.298
600.0	4.272	34.932	280.6	4.227
650.0	4.151	34.925	282.1	4.102
700.0	4.099	34.923	281.8	4.047
750.0	4.066	34.922	282.0	4.009
800.0	4.010	34.919	282.4	3.950
850.0	3.974	34.920	281.4	3.910
900.0	3.966	34.927	279.7	3.898
950.0	3.920	34.928	278.6	3.849
1000.0	3.899	34.931	277.6	3.823
1050.0	3.857	34.931	277.4	3.778
1100.0	3.816	34.932	276.5	3.733
1150.0	3.794	34.934	276.0	3.706
1200.0	3.768	34.937	275.2	3.677
1250.0	3.673	34.932	276.8	3.578
1300.0	3.659	34.937	275.0	3.560
1350.0	3.583	34.932	276.7	3.481
1400.0	3.495	34.930	277.4	3.389
1450.0	3.419	34.927	278.3	3.310
1500.0	3.333	34.927	278.3	3.221
1550.0	3.254	34.922	280.1	3.138
1600.0	3.125	34.915	283.1	3.007
1650.0	3.054	34.918	281.8	2.932
1700.0	2.958	34.912	284.5	2.833
1750.0	2.914	34.927	279.8	2.785
1800.0	2.843	34.926	280.3	2.711
1850.0	2.701	34.910	284.9	2.567
1900.0	2.543	34.906	288.8	2.407
1950.0	2.498	34.911	287.4	2.357
2000.0	2.249	34.892	294.3	2.108
2050.0	2.242	34.892	295.6	2.097
2056.0	2.241	34.892	295.8	2.095


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 103

Profile	: 104	Cruise	: GEOVIDE (Classic)
Station	: 49	Cast	: 3
Date	: 16/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2040 m	Organism	: CNRS - IFREMER
Position	: N 59 46.37 W 041 17.82		

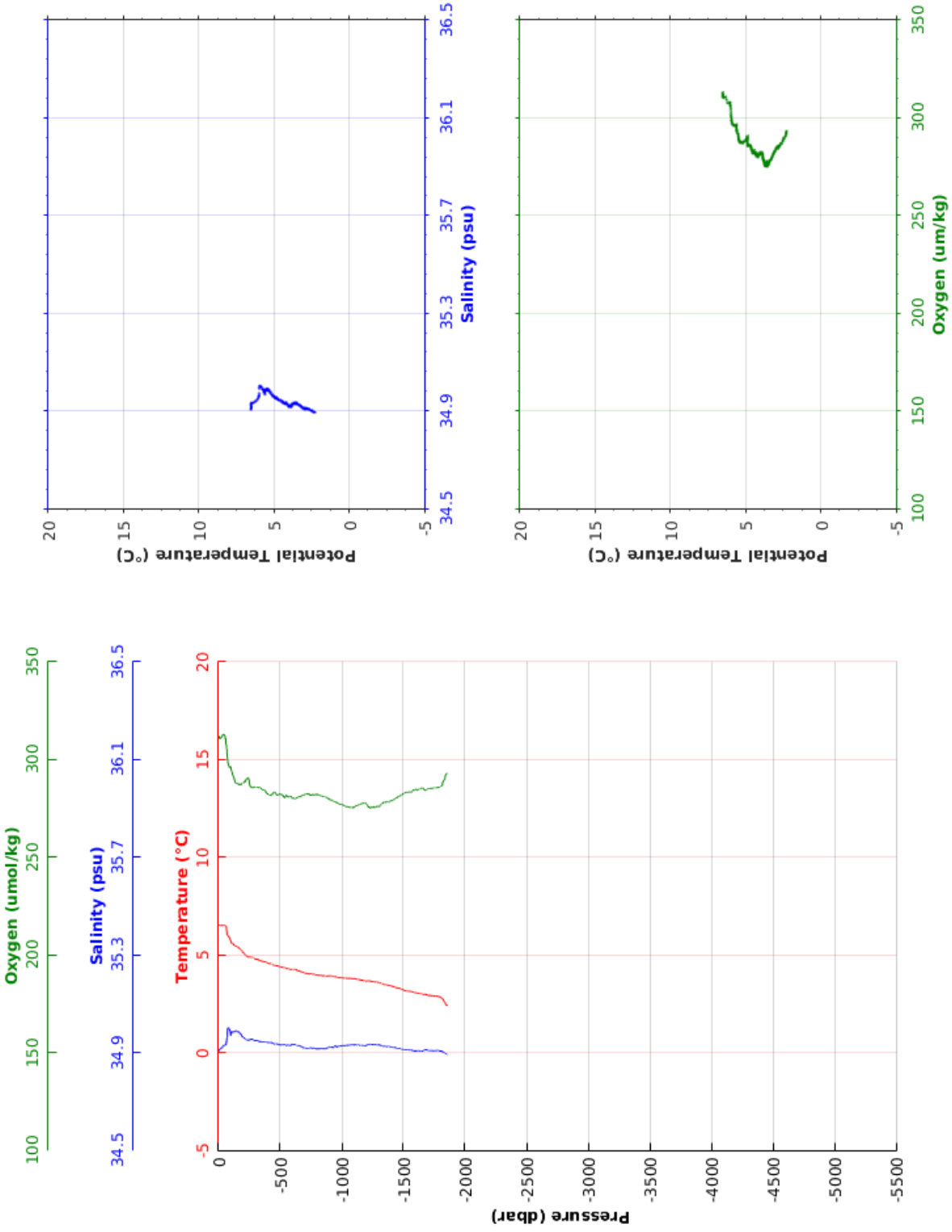
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.674	34.886	313.3	6.674
10.0	6.668	34.887	313.7	6.667
20.0	6.615	34.883	312.7	6.613
30.0	6.580	34.887	310.7	6.577
40.0	6.285	34.948	307.3	6.282
50.0	6.098	34.981	304.6	6.094
100.0	5.809	34.992	296.0	5.801
150.0	5.466	34.992	287.7	5.453
200.0	5.208	34.976	286.2	5.192
204.0	5.219	34.977	285.7	5.202


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 104

Profile	: 105	Cruise	: GEOVIDE (Classic)
Station	: 50	Cast	: 1
Date	: 16/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1843 m	Organism	: CNRS - IFREMER
Position	: N 59 47.68 W 041 43.81		

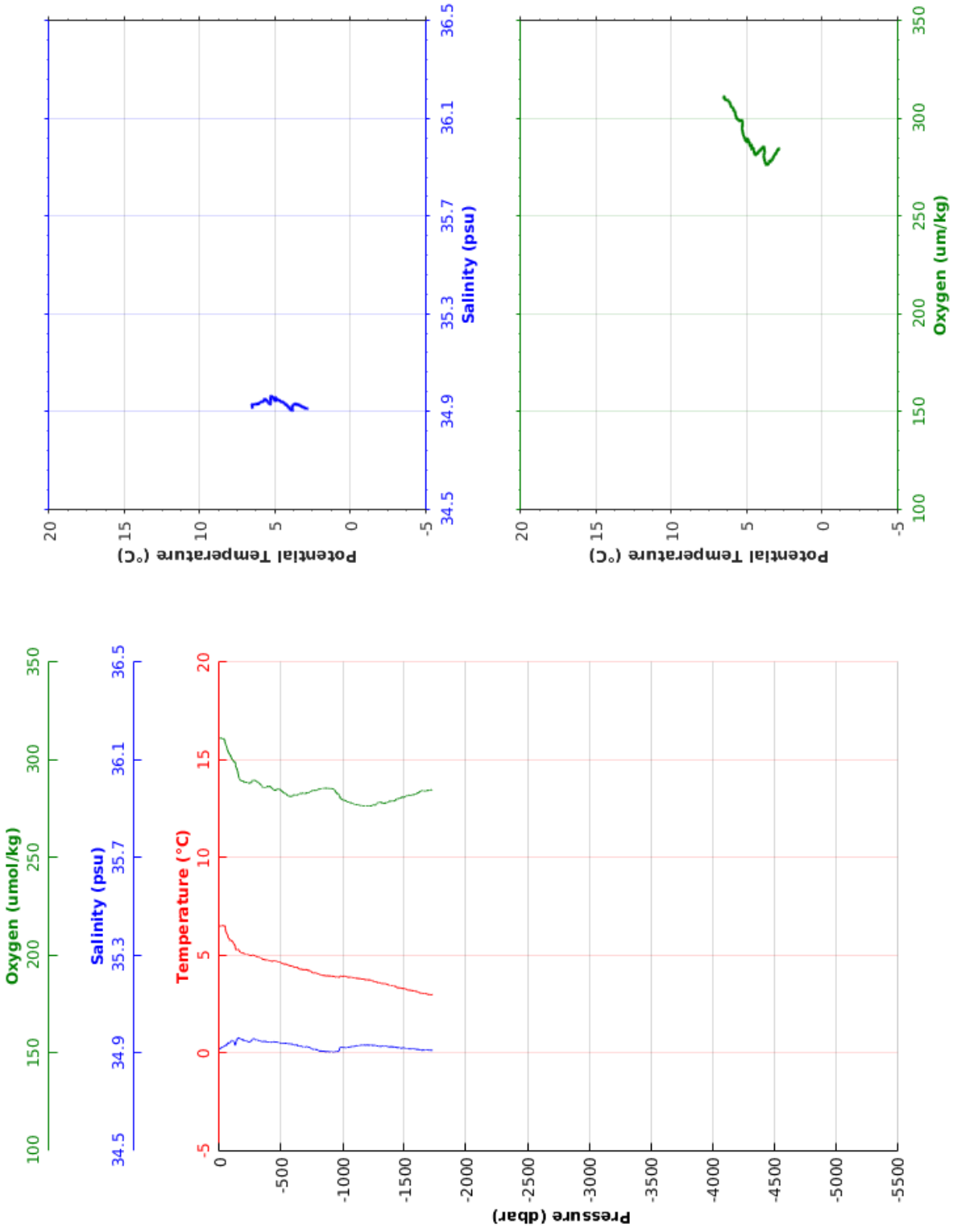
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.519	34.907	310.5	6.519
10.0	6.510	34.911	311.8	6.510
20.0	6.507	34.915	310.8	6.505
30.0	6.507	34.919	311.5	6.505
40.0	6.523	34.925	312.5	6.519
50.0	6.521	34.930	313.0	6.516
100.0	5.680	34.979	295.9	5.672
150.0	5.417	34.988	288.0	5.405
200.0	5.119	34.965	287.9	5.103
250.0	4.884	34.950	290.5	4.864
300.0	4.791	34.949	286.0	4.768
350.0	4.677	34.945	285.2	4.650
400.0	4.578	34.942	282.5	4.548
450.0	4.475	34.935	282.9	4.441
500.0	4.397	34.932	282.3	4.359
550.0	4.309	34.930	281.2	4.268
600.0	4.257	34.931	280.5	4.211
650.0	4.180	34.929	280.7	4.131
700.0	4.082	34.919	281.7	4.030
750.0	4.031	34.920	281.7	3.975
800.0	3.964	34.915	282.2	3.905
850.0	3.929	34.916	281.2	3.866
900.0	3.922	34.920	280.0	3.855
950.0	3.885	34.927	278.4	3.814
1000.0	3.828	34.927	277.1	3.753
1050.0	3.800	34.929	275.9	3.721
1100.0	3.775	34.932	275.5	3.692
1150.0	3.719	34.929	277.0	3.633
1200.0	3.657	34.928	277.6	3.567
1250.0	3.638	34.933	275.2	3.544
1300.0	3.593	34.931	276.0	3.495
1350.0	3.479	34.925	278.3	3.378
1400.0	3.415	34.923	278.7	3.310
1450.0	3.322	34.919	280.3	3.214
1500.0	3.200	34.912	282.6	3.089
1550.0	3.136	34.910	283.4	3.022
1600.0	3.057	34.907	284.7	2.939
1650.0	2.990	34.905	285.3	2.868
1700.0	2.935	34.909	284.8	2.810
1750.0	2.893	34.908	285.6	2.764
1800.0	2.840	34.907	286.0	2.708
1850.0	2.424	34.894	292.5	2.293
1861.0	2.403	34.894	293.2	2.271


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 105

Profile : 106	Cruise : GEOVIDE (Classic)
Station : 51	Cast : 1
Date : 16/06/2014	Ship : N/O Pourquoi pas ?
Depth : 1724 m	Organism : CNRS - IFREMER
Position : N 59 47.94 W 042 0.17	

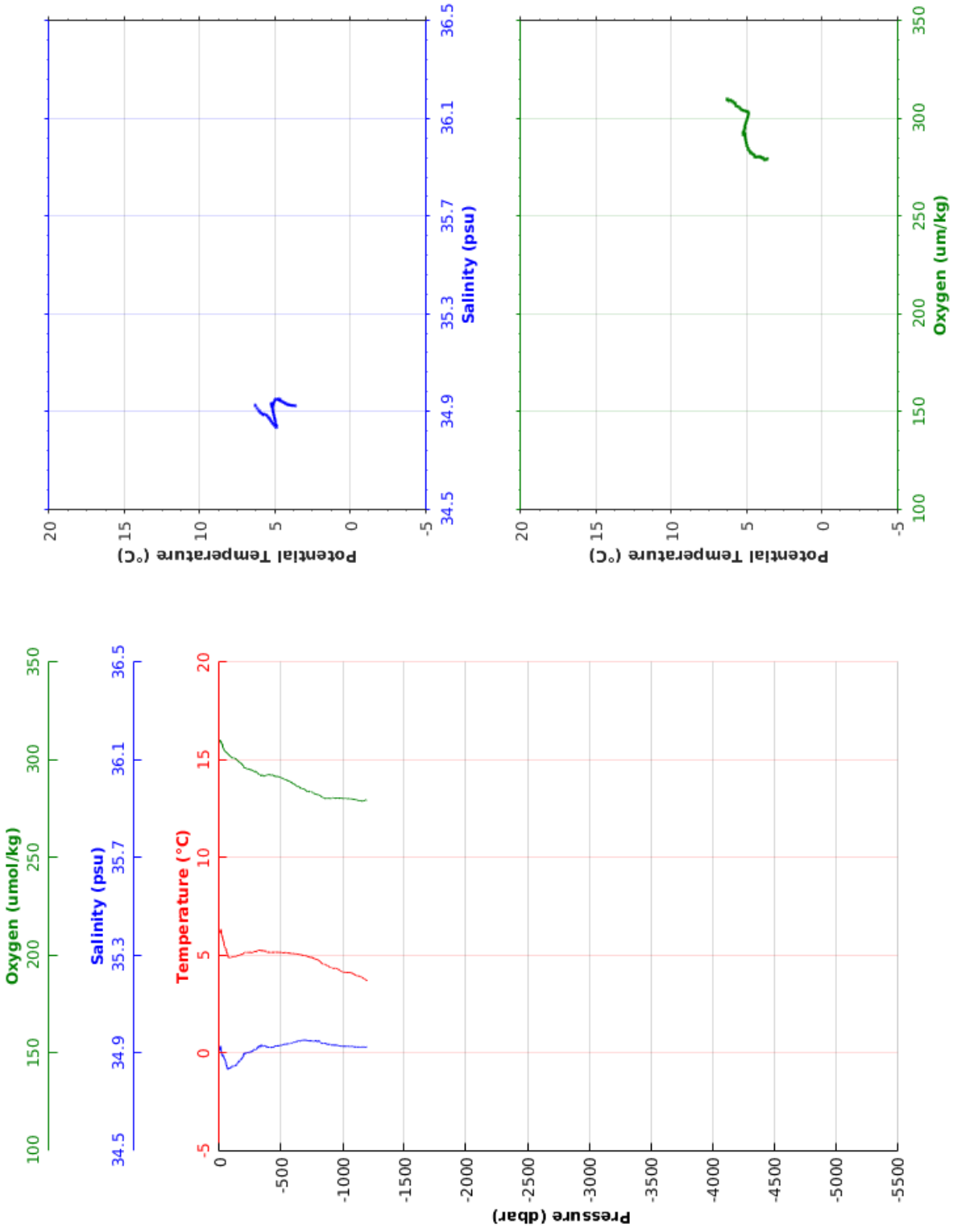
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.489	34.916	310.8	6.489
10.0	6.487	34.915	311.1	6.486
20.0	6.506	34.921	311.2	6.504
30.0	6.517	34.924	310.9	6.515
40.0	6.514	34.924	310.8	6.511
50.0	6.298	34.929	309.5	6.294
100.0	5.730	34.948	301.7	5.722
150.0	5.299	34.956	294.7	5.287
200.0	5.077	34.951	289.0	5.061
250.0	4.971	34.943	288.1	4.952
300.0	4.921	34.952	289.1	4.898
350.0	4.783	34.946	286.4	4.756
400.0	4.728	34.944	286.4	4.697
450.0	4.695	34.944	284.6	4.660
500.0	4.589	34.939	284.8	4.551
550.0	4.507	34.937	282.3	4.465
600.0	4.411	34.933	281.6	4.365
650.0	4.292	34.926	282.5	4.242
700.0	4.248	34.924	283.0	4.195
750.0	4.117	34.915	283.9	4.061
800.0	4.043	34.910	284.6	3.983
850.0	3.955	34.906	285.3	3.892
900.0	3.929	34.904	285.3	3.862
950.0	3.878	34.906	283.4	3.807
1000.0	3.912	34.921	279.6	3.836
1050.0	3.866	34.923	278.3	3.787
1100.0	3.822	34.927	277.2	3.739
1150.0	3.784	34.930	276.7	3.697
1200.0	3.740	34.931	276.4	3.649
1250.0	3.657	34.930	276.8	3.562
1300.0	3.574	34.926	278.2	3.476
1350.0	3.514	34.927	277.8	3.413
1400.0	3.433	34.924	278.9	3.327
1450.0	3.328	34.921	280.1	3.220
1500.0	3.284	34.919	280.8	3.172
1550.0	3.196	34.916	282.0	3.081
1600.0	3.132	34.914	282.7	3.013
1650.0	3.041	34.910	284.3	2.919
1700.0	2.979	34.910	284.4	2.853
1733.0	2.970	34.910	284.7	2.842


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 106

Profile	: 107	Cruise	: GEOVIDE (Classic)
Station	: 52	Cast	: 1
Date	: 16/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1199 m	Organism	: CNRS - IFREMER
Position	: N 59 48.51 W 042 14.28		

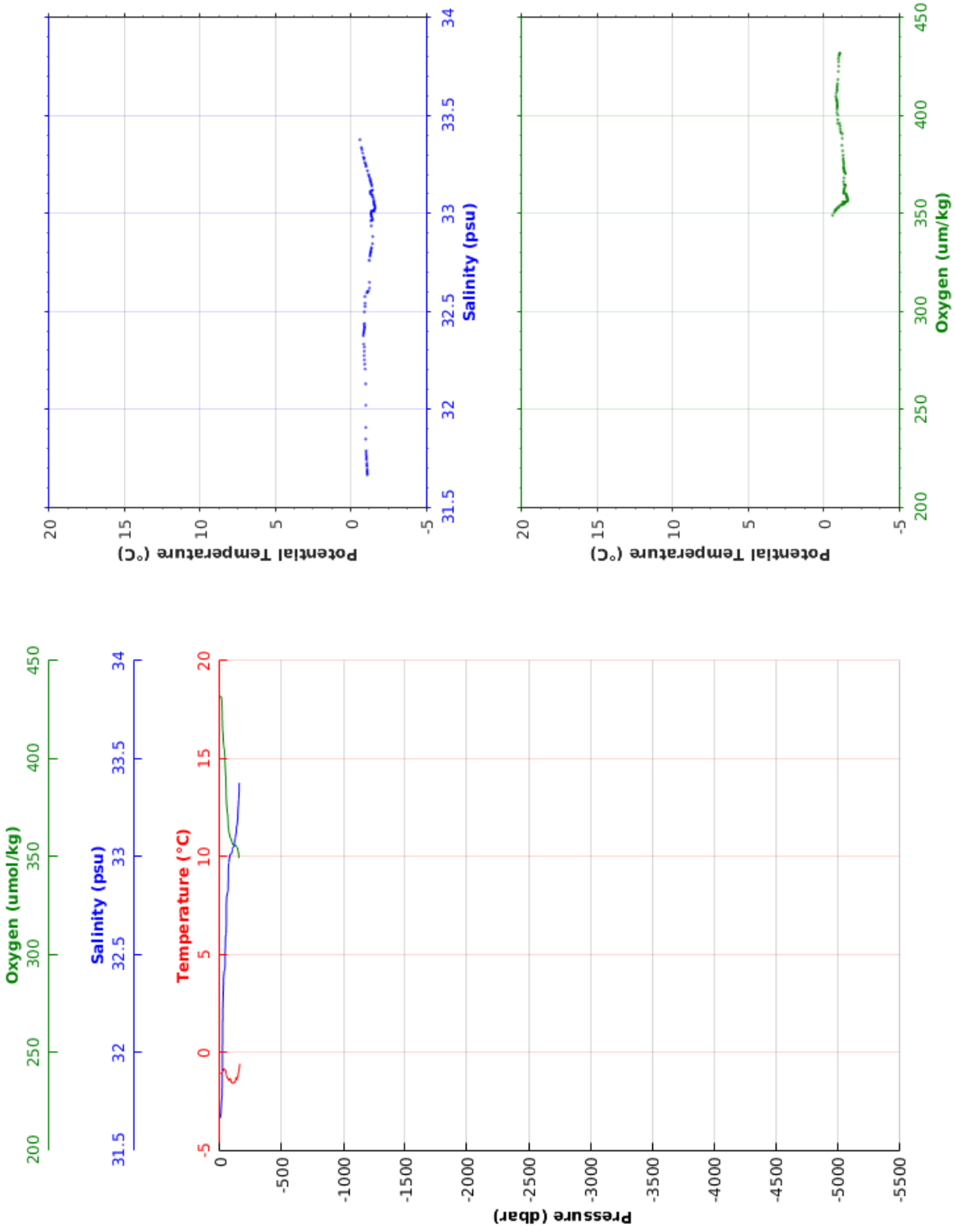
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.147	34.912	309.6	6.147
10.0	6.307	34.926	310.1	6.306
20.0	5.994	34.901	309.1	5.992
30.0	5.765	34.885	307.9	5.763
40.0	5.439	34.876	305.7	5.436
50.0	5.326	34.868	304.5	5.322
100.0	4.905	34.844	301.4	4.897
150.0	4.961	34.855	300.1	4.950
200.0	5.110	34.892	296.7	5.094
250.0	5.137	34.902	295.1	5.117
300.0	5.172	34.912	294.1	5.148
350.0	5.212	34.926	292.2	5.184
400.0	5.143	34.922	292.3	5.111
450.0	5.138	34.925	291.9	5.102
500.0	5.138	34.930	291.1	5.097
550.0	5.110	34.936	289.6	5.065
600.0	5.070	34.942	287.8	5.021
650.0	5.026	34.948	286.3	4.973
700.0	4.959	34.951	284.6	4.902
750.0	4.880	34.948	283.6	4.819
800.0	4.754	34.946	282.1	4.689
850.0	4.532	34.938	280.5	4.465
900.0	4.384	34.934	280.3	4.314
950.0	4.306	34.931	280.5	4.231
1000.0	4.134	34.926	280.3	4.056
1050.0	4.106	34.926	280.1	4.024
1100.0	3.969	34.924	279.6	3.884
1150.0	3.877	34.923	279.0	3.789
1200.0	3.706	34.923	279.5	3.616
1201.0	3.708	34.922	279.5	3.618


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 107

Profile	: 108	Cruise	: GEOVIDE (Classic)
Station	: 53	Cast	: 1
Date	: 16/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 166 m	Organism	: CNRS - IFREMER
Position	: N 59 54.10 W 043 0.91		

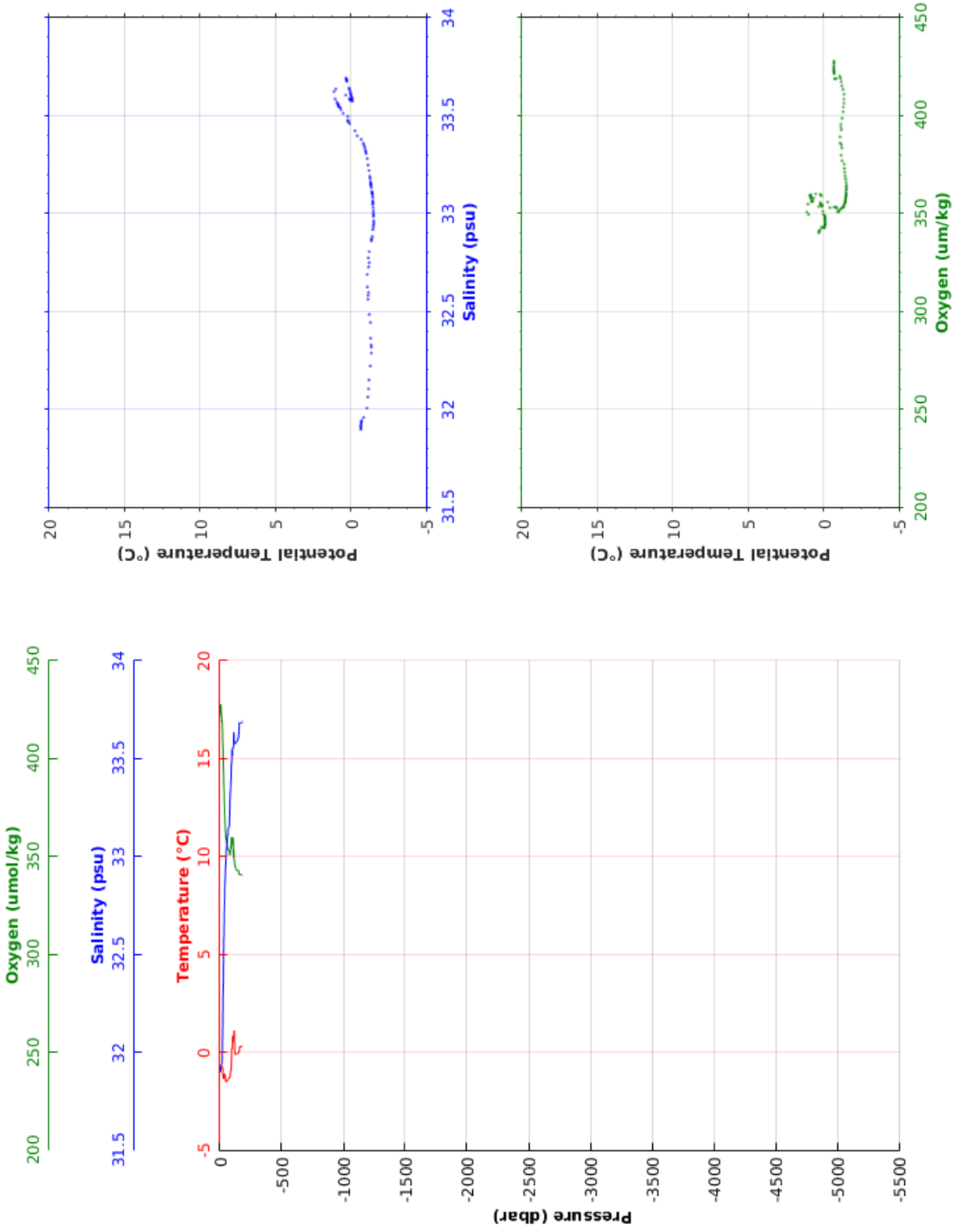
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	-1.095	31.664	431.8	-1.095
10.0	-1.098	31.680	431.9	-1.098
20.0	-1.030	31.773	430.5	-1.030
30.0	-0.898	32.296	413.3	-0.899
40.0	-0.917	32.416	405.2	-0.918
50.0	-1.105	32.596	394.7	-1.106
100.0	-1.580	33.019	357.9	-1.581
150.0	-1.030	33.241	353.4	-1.034
160.0	-0.602	33.377	349.1	-0.607


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 108

Profile : 109	Cruise : GEOVIDE (Classic)
Station : 53	Cast : 5
Date : 17/06/2014	Ship : N/O Pourquoi pas ?
Depth : 193 m	Organism : CNRS - IFREMER
Position : N 59 53.48 W 042 59.88	

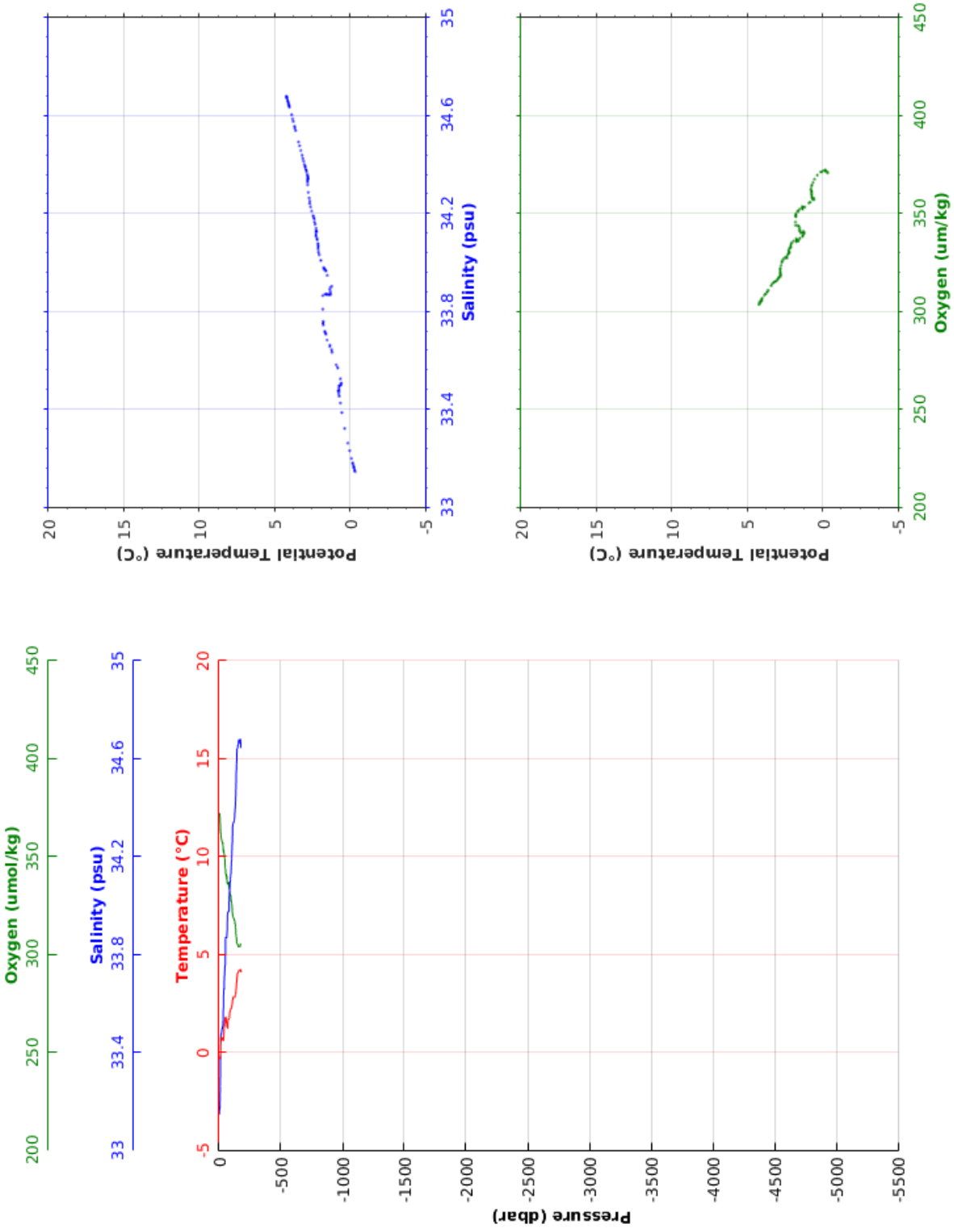
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	-0.691	31.928	421.6	-0.691
10.0	-0.676	31.914	424.4	-0.676
20.0	-0.721	31.940	421.4	-0.722
30.0	-1.350	32.327	406.5	-1.351
40.0	-1.227	32.749	383.5	-1.228
50.0	-1.520	32.951	363.6	-1.521
100.0	0.203	33.496	359.8	0.199
150.0	-0.018	33.606	342.6	-0.023
185.0	0.320	33.692	340.1	0.314


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 109

Profile	: 110	Cruise	: GEOVIDE (Classic)
Station	: 54	Cast	: 1
Date	: 17/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 186 m	Organism	: CNRS - IFREMER
Position	: N 59 52.25 W 042 48.85		

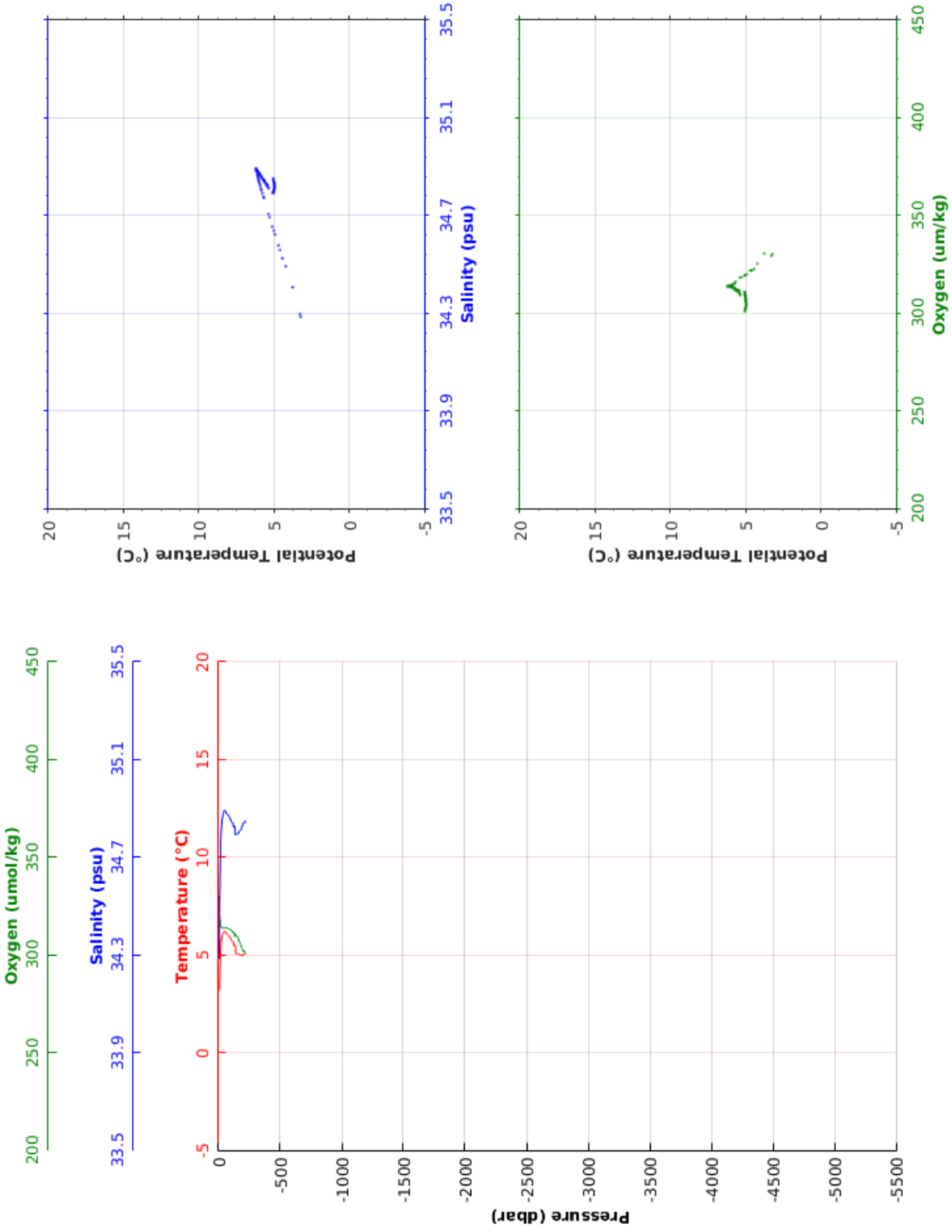
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	-0.359	33.145	370.7	-0.359
10.0	-0.186	33.180	372.2	-0.187
20.0	0.740	33.474	361.7	0.739
30.0	0.623	33.498	357.8	0.621
40.0	1.178	33.632	353.4	1.177
50.0	1.764	33.744	349.7	1.761
100.0	2.207	34.128	330.1	2.202
150.0	4.039	34.641	305.9	4.029
179.0	4.072	34.644	305.7	4.060


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 110

Profile	: 111	Cruise	: GEOVIDE (Classic)
Station	: 55	Cast	: 1
Date	: 17/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 228 m	Organism	: CNRS - IFREMER
Position	: N 59 49.85 W 042 31.20		

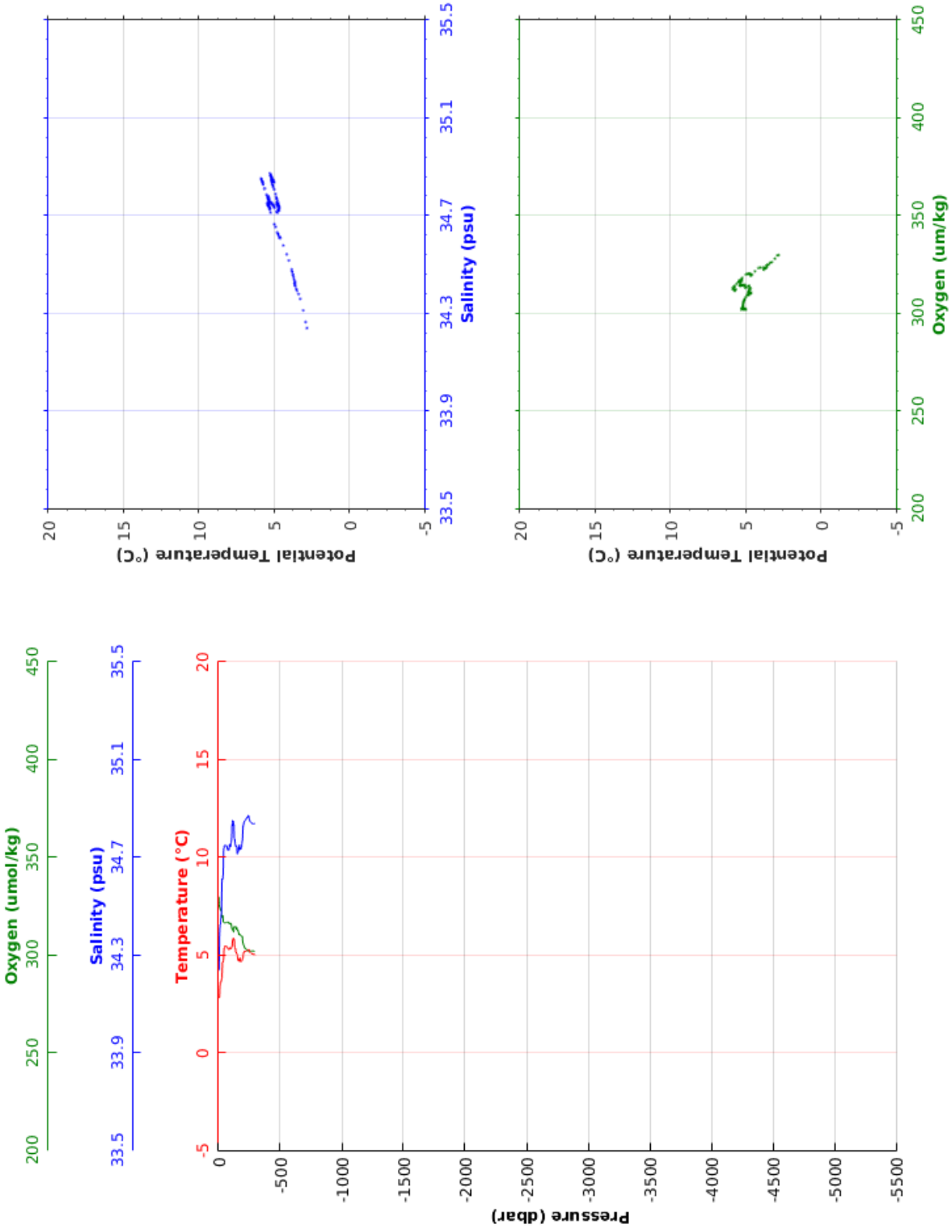
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	3.217	34.285	330.2	3.217
10.0	3.760	34.406	330.5	3.760
20.0	5.660	34.772	316.1	5.659
30.0	6.006	34.844	314.1	6.003
40.0	6.183	34.884	313.6	6.179
50.0	6.206	34.890	313.8	6.202
100.0	5.823	34.856	312.7	5.814
150.0	5.058	34.796	309.7	5.046
200.0	5.016	34.837	302.5	5.000
221.0	5.067	34.851	301.0	5.050


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 111

Profile	: 112	Cruise	: GEOVIDE (Classic)
Station	: 56	Cast	: 1
Date	: 17/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 305 m	Organism	: CNRS - IFREMER
Position	: N 59 49.35 W 042 23.94		

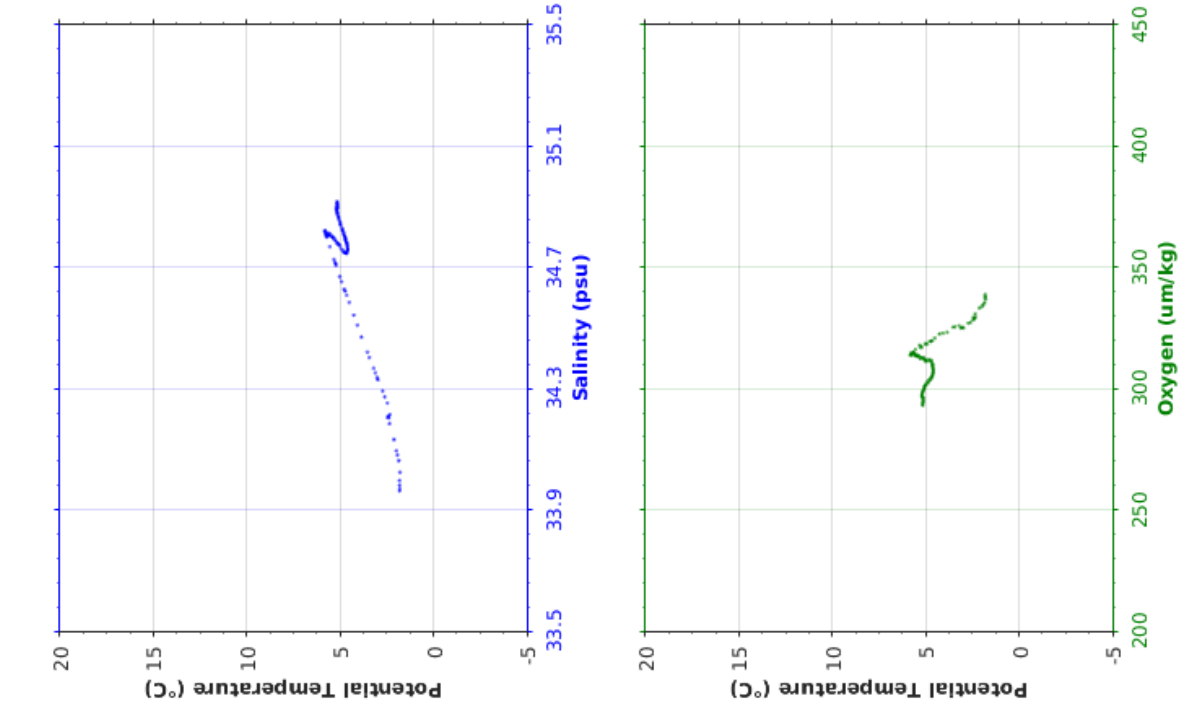
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	2.803	34.239	329.7	2.803
10.0	3.251	34.358	326.2	3.251
20.0	3.643	34.436	323.1	3.642
30.0	4.378	34.577	321.4	4.376
40.0	4.777	34.630	320.2	4.774
50.0	5.438	34.749	316.4	5.434
100.0	5.305	34.742	316.4	5.297
150.0	5.037	34.741	313.7	5.025
200.0	4.999	34.806	308.3	4.984
250.0	5.214	34.862	301.9	5.194
299.0	5.016	34.836	301.9	4.993

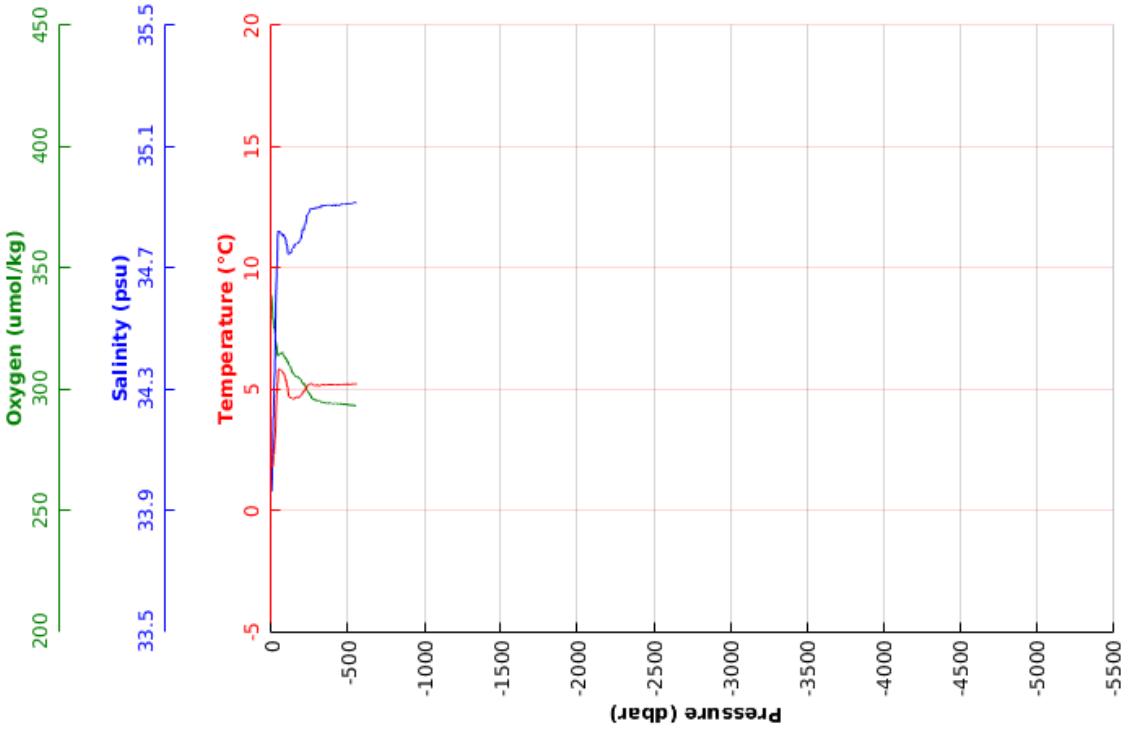

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 112

Profile : 113	Cruise : GEOVIDE (Classic)
Station : 57	Cast : 1
Date : 17/06/2014	Ship : N/O Pourquoi pas ?
Depth : 567 m	Organism : CNRS - IFREMER
Position : N 59 49.05 W 042 18.81	

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	1.808	33.962	338.8	1.808
10.0	1.856	34.062	335.3	1.856
20.0	2.606	34.273	327.2	2.605
30.0	4.076	34.509	322.9	4.074
40.0	5.245	34.711	316.9	5.241
50.0	5.827	34.822	313.7	5.823
100.0	5.178	34.783	312.8	5.170
150.0	4.610	34.767	306.5	4.598
200.0	4.791	34.806	303.7	4.776
250.0	5.186	34.884	298.4	5.166
300.0	5.154	34.899	295.4	5.130
350.0	5.173	34.905	294.4	5.145
400.0	5.180	34.907	294.2	5.147
450.0	5.179	34.906	294.1	5.143
500.0	5.197	34.911	293.6	5.156
550.0	5.209	34.914	293.2	5.163
559.0	5.204	34.916	293.1	5.158

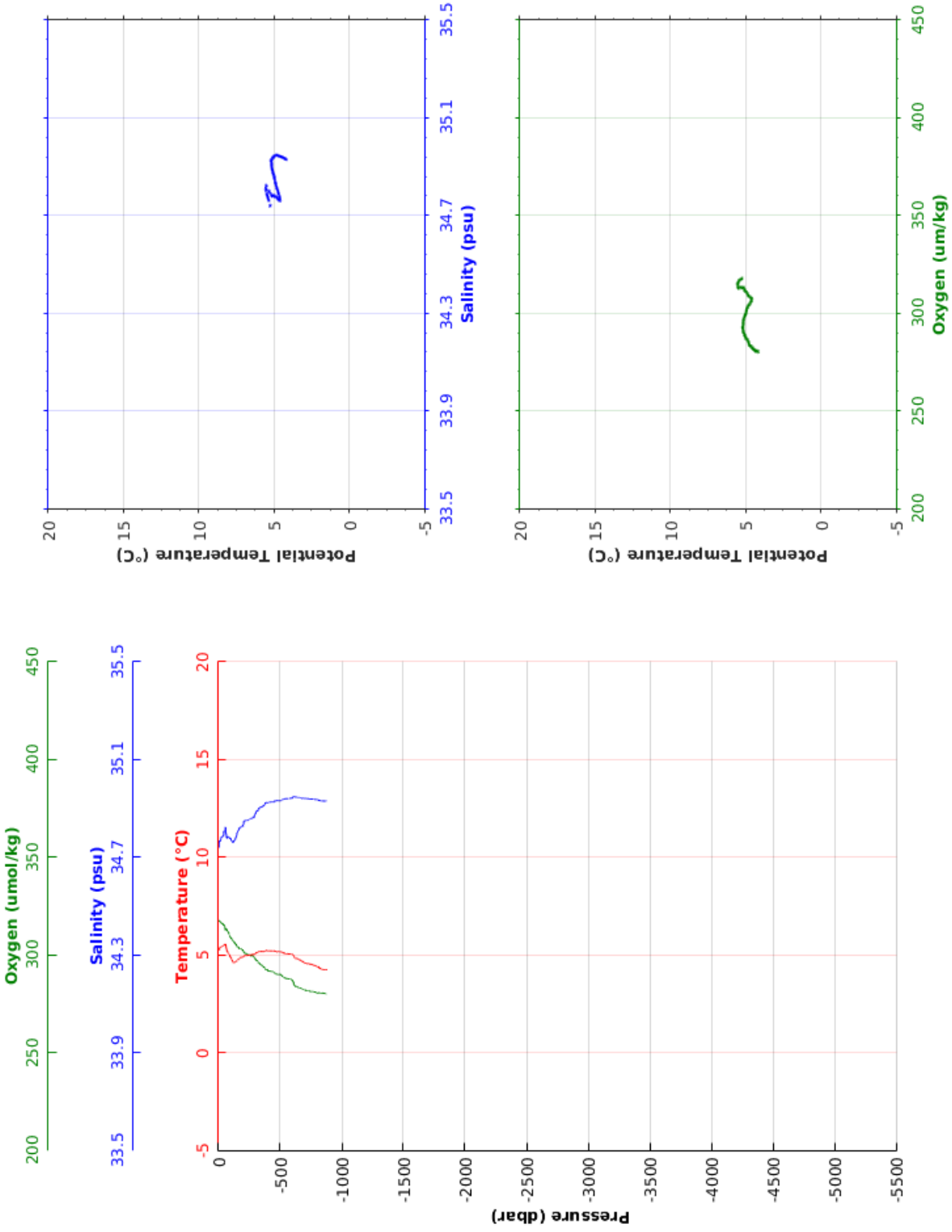

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 113

Profile : 114	Cruise : GEOVIDE (Classic)
Station : 58	Cast : 1
Date : 17/06/2014	Ship : N/O Pourquoi pas ?
Depth : 885 m	Organism : CNRS - IFREMER
Position : N 59 48.94 W 042 16.64	

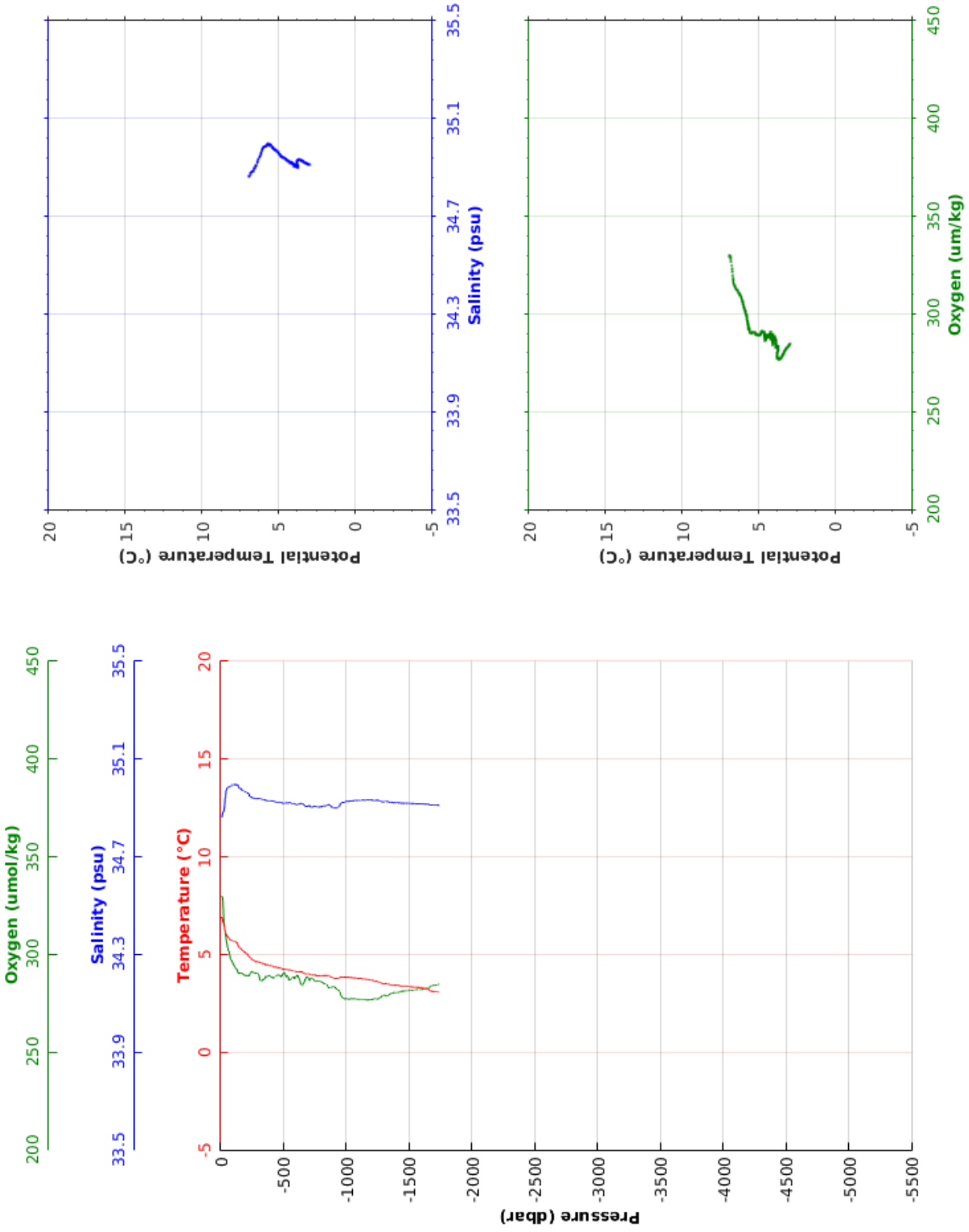
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	5.251	34.739	317.4	5.251
10.0	5.376	34.767	317.0	5.376
20.0	5.397	34.772	316.9	5.395
30.0	5.455	34.784	316.2	5.453
40.0	5.459	34.784	315.9	5.456
50.0	5.526	34.805	315.0	5.522
100.0	4.845	34.777	309.2	4.837
150.0	4.702	34.790	305.1	4.691
200.0	4.889	34.827	302.7	4.874
250.0	4.990	34.855	300.2	4.970
300.0	5.082	34.876	298.4	5.059
350.0	5.171	34.906	294.9	5.143
400.0	5.198	34.923	292.4	5.165
450.0	5.191	34.927	291.4	5.154
500.0	5.156	34.932	290.0	5.115
550.0	5.069	34.940	287.9	5.024
600.0	5.022	34.941	287.3	4.973
650.0	4.766	34.945	283.5	4.714
700.0	4.595	34.941	282.1	4.539
750.0	4.515	34.939	281.2	4.457
800.0	4.413	34.936	280.8	4.350
850.0	4.248	34.930	280.5	4.183
880.0	4.230	34.929	280.1	4.163


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 114

Profile	: 117	Cruise	: GEOVIDE (Classic)
Station	: 60	Cast	: 3
Date	: 18/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1720 m	Organism	: CNRS - IFREMER
Position	: N 59 47.96 W 042 0.83		

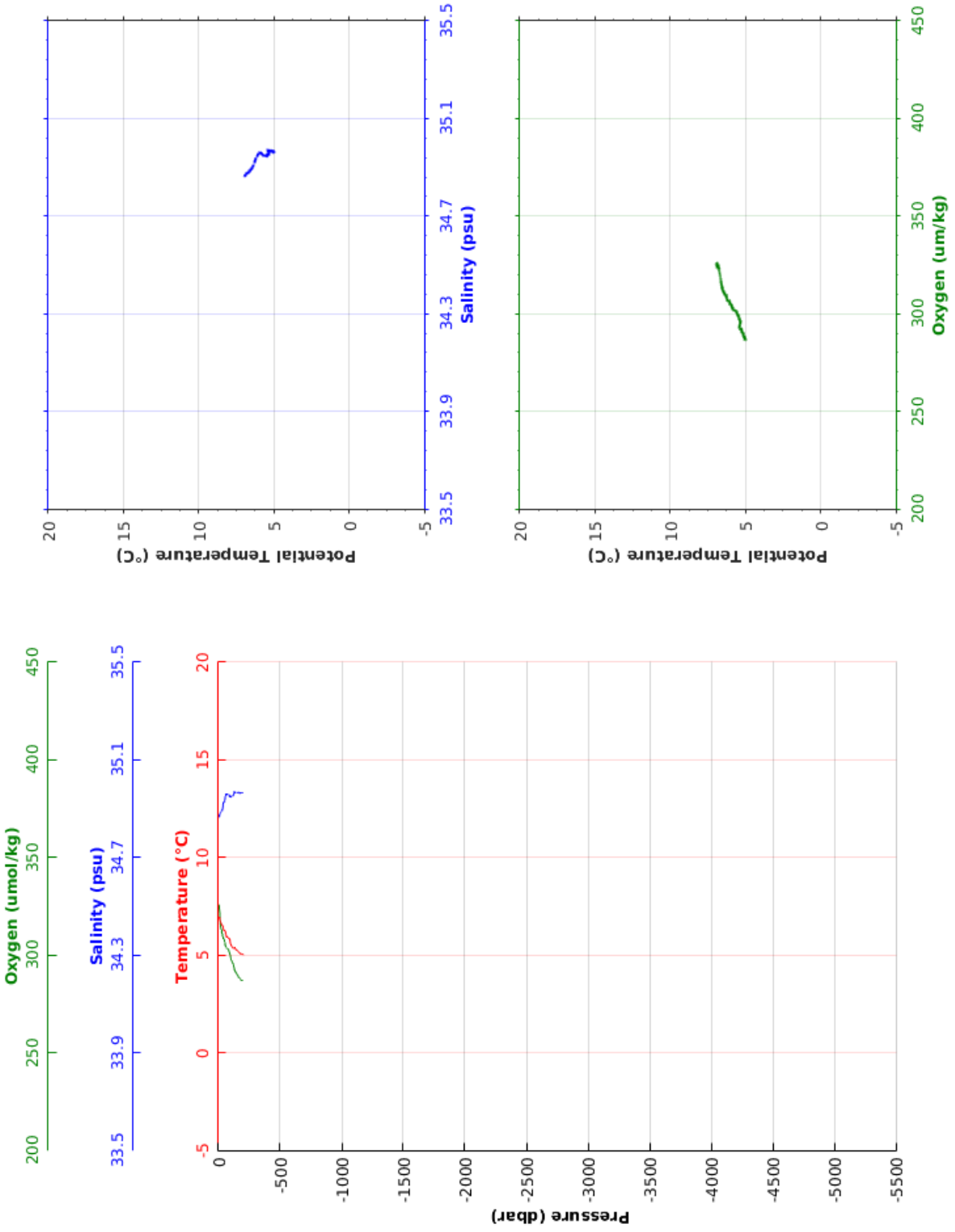
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.890	34.865	329.9	6.890
10.0	6.824	34.871	329.4	6.823
20.0	6.652	34.884	317.3	6.650
30.0	6.353	34.920	312.1	6.350
40.0	6.066	34.970	307.1	6.062
50.0	5.949	34.983	303.7	5.945
100.0	5.690	34.994	294.8	5.682
150.0	5.363	34.981	290.6	5.351
200.0	5.073	34.965	289.2	5.057
250.0	4.745	34.943	290.8	4.726
300.0	4.625	34.938	289.3	4.602
350.0	4.512	34.933	287.8	4.485
400.0	4.437	34.929	288.5	4.407
450.0	4.330	34.923	289.5	4.297
500.0	4.239	34.918	290.7	4.202
550.0	4.210	34.921	286.9	4.169
600.0	4.111	34.913	289.0	4.066
650.0	4.101	34.917	284.5	4.052
700.0	4.019	34.910	287.0	3.967
750.0	3.949	34.907	286.2	3.893
800.0	3.910	34.905	286.0	3.850
850.0	3.925	34.912	283.7	3.862
900.0	3.795	34.900	283.6	3.728
950.0	3.847	34.918	279.8	3.776
1000.0	3.835	34.926	277.2	3.759
1050.0	3.813	34.929	277.3	3.733
1100.0	3.772	34.931	277.0	3.689
1150.0	3.744	34.932	276.7	3.657
1200.0	3.696	34.932	276.9	3.606
1250.0	3.615	34.931	277.3	3.521
1300.0	3.495	34.926	279.2	3.397
1350.0	3.445	34.923	280.0	3.344
1400.0	3.427	34.922	280.6	3.322
1450.0	3.375	34.920	281.3	3.267
1500.0	3.352	34.919	281.6	3.240
1550.0	3.325	34.918	281.9	3.208
1600.0	3.305	34.917	282.1	3.184
1650.0	3.242	34.915	282.8	3.117
1700.0	3.108	34.912	284.2	2.980
1739.0	3.061	34.911	284.7	2.931


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 117

Profile	: 118	Cruise	: GEOVIDE (Classic)
Station	: 60	Cast	: 5
Date	: 18/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1720 m	Organism	: CNRS - IFREMER
Position	: N 59 47.96 W 042 0.78		

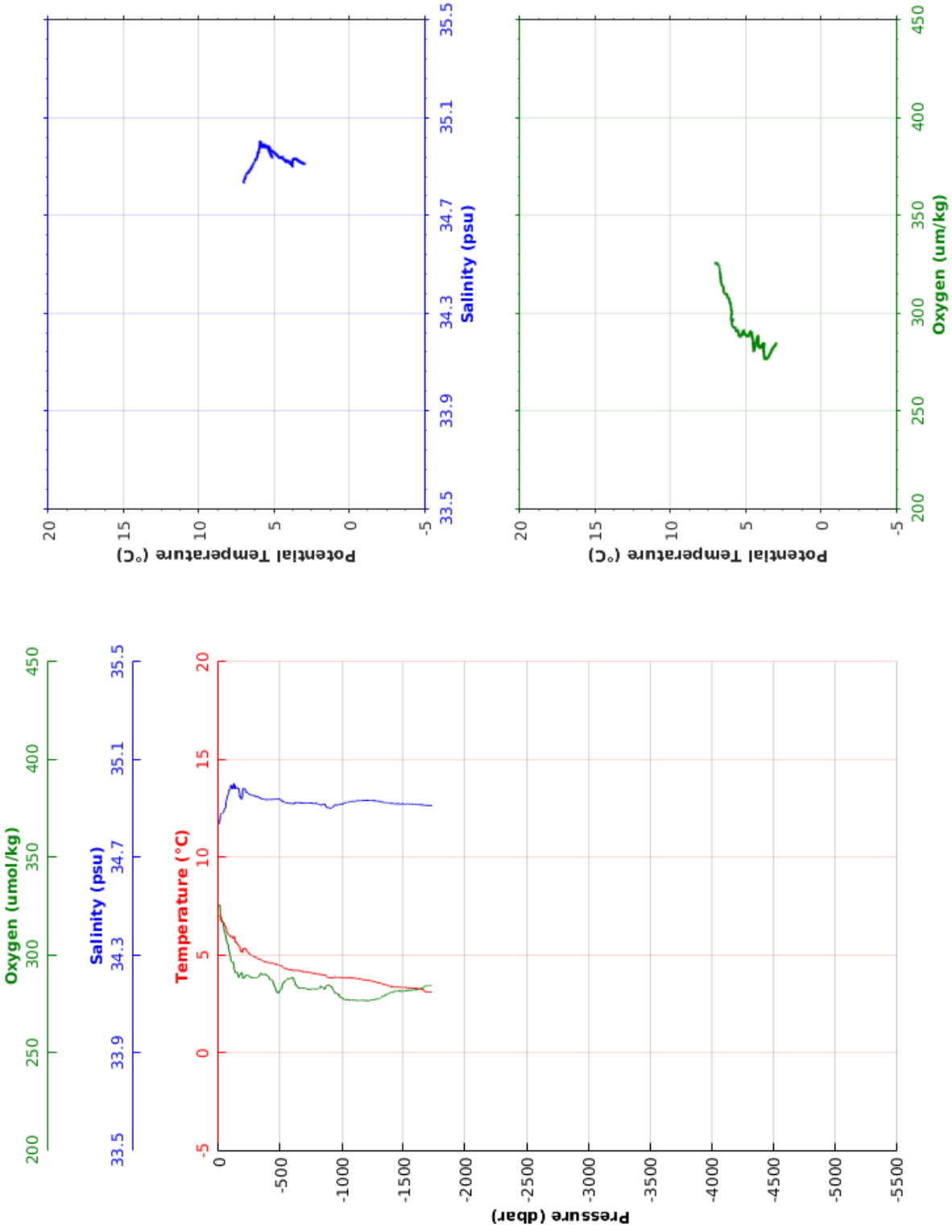
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.883	34.866	323.7	6.883
10.0	6.842	34.873	325.1	6.842
20.0	6.625	34.884	316.7	6.624
30.0	6.523	34.891	312.6	6.521
40.0	6.289	34.920	309.4	6.286
50.0	6.245	34.929	308.1	6.241
100.0	5.559	34.948	300.0	5.550
150.0	5.257	34.967	290.7	5.245
200.0	5.020	34.964	286.9	5.005
202.0	4.998	34.962	286.6	4.982


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 118

Profile	: 119	Cruise	: GEOVIDE (Classic)
Station	: 60	Cast	: 6
Date	: 18/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1721 m	Organism	: CNRS - IFREMER
Position	: N 59 47.96 W 042 0.78		

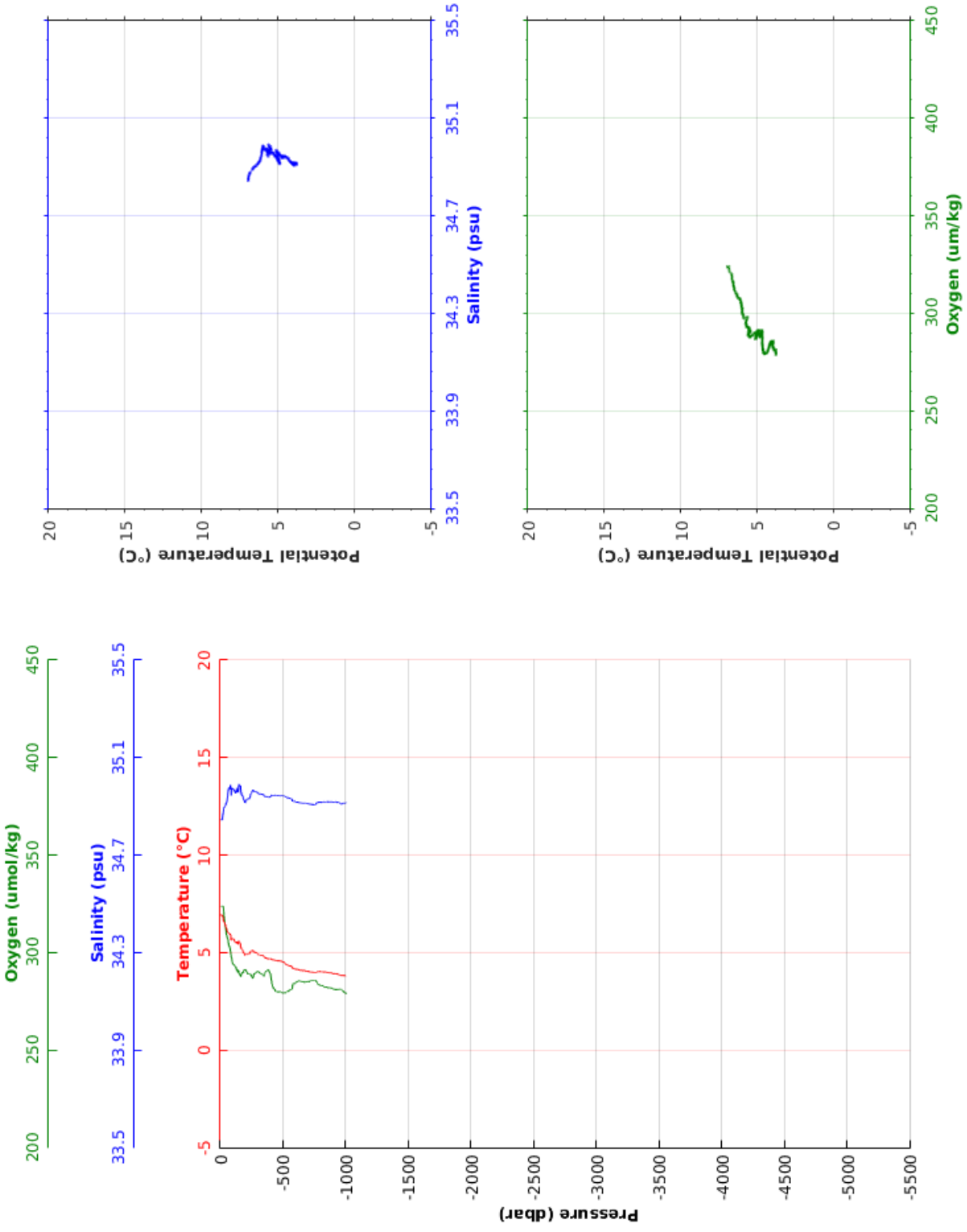
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.997	34.836	325.3	6.996
10.0	7.000	34.842	325.5	6.999
20.0	6.728	34.874	322.5	6.726
30.0	6.661	34.880	318.4	6.658
40.0	6.647	34.882	317.1	6.644
50.0	6.486	34.897	312.6	6.481
100.0	5.917	34.983	299.6	5.908
150.0	5.586	34.984	291.1	5.574
200.0	5.322	34.976	288.5	5.306
250.0	5.065	34.960	289.2	5.045
300.0	4.886	34.951	288.3	4.862
350.0	4.711	34.939	290.7	4.684
400.0	4.615	34.936	289.3	4.584
450.0	4.541	34.937	285.7	4.507
500.0	4.455	34.937	281.3	4.417
550.0	4.286	34.923	287.2	4.245
600.0	4.230	34.920	288.1	4.185
650.0	4.199	34.925	283.3	4.150
700.0	4.131	34.921	283.0	4.078
750.0	4.083	34.922	282.2	4.027
800.0	4.028	34.920	282.5	3.968
850.0	3.979	34.917	283.3	3.915
900.0	3.839	34.902	284.5	3.772
950.0	3.868	34.914	280.7	3.796
1000.0	3.839	34.918	278.0	3.764
1050.0	3.827	34.925	277.1	3.748
1100.0	3.817	34.929	276.7	3.734
1150.0	3.774	34.931	276.6	3.687
1200.0	3.717	34.933	276.6	3.626
1250.0	3.661	34.932	276.9	3.566
1300.0	3.567	34.929	277.6	3.469
1350.0	3.472	34.924	279.2	3.370
1400.0	3.375	34.920	280.7	3.271
1450.0	3.351	34.919	281.5	3.242
1500.0	3.329	34.919	281.4	3.217
1550.0	3.309	34.918	281.8	3.192
1600.0	3.293	34.917	282.1	3.172
1650.0	3.246	34.916	282.7	3.122
1700.0	3.117	34.912	284.2	2.990
1735.0	3.097	34.911	284.4	2.967


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 119

Profile	: 120	Cruise	: GEOVIDE (Classic)
Station	: 60	Cast	: 7
Date	: 18/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1721 m	Organism	: CNRS - IFREMER
Position	: N 59 47.96 W 042 0.78		

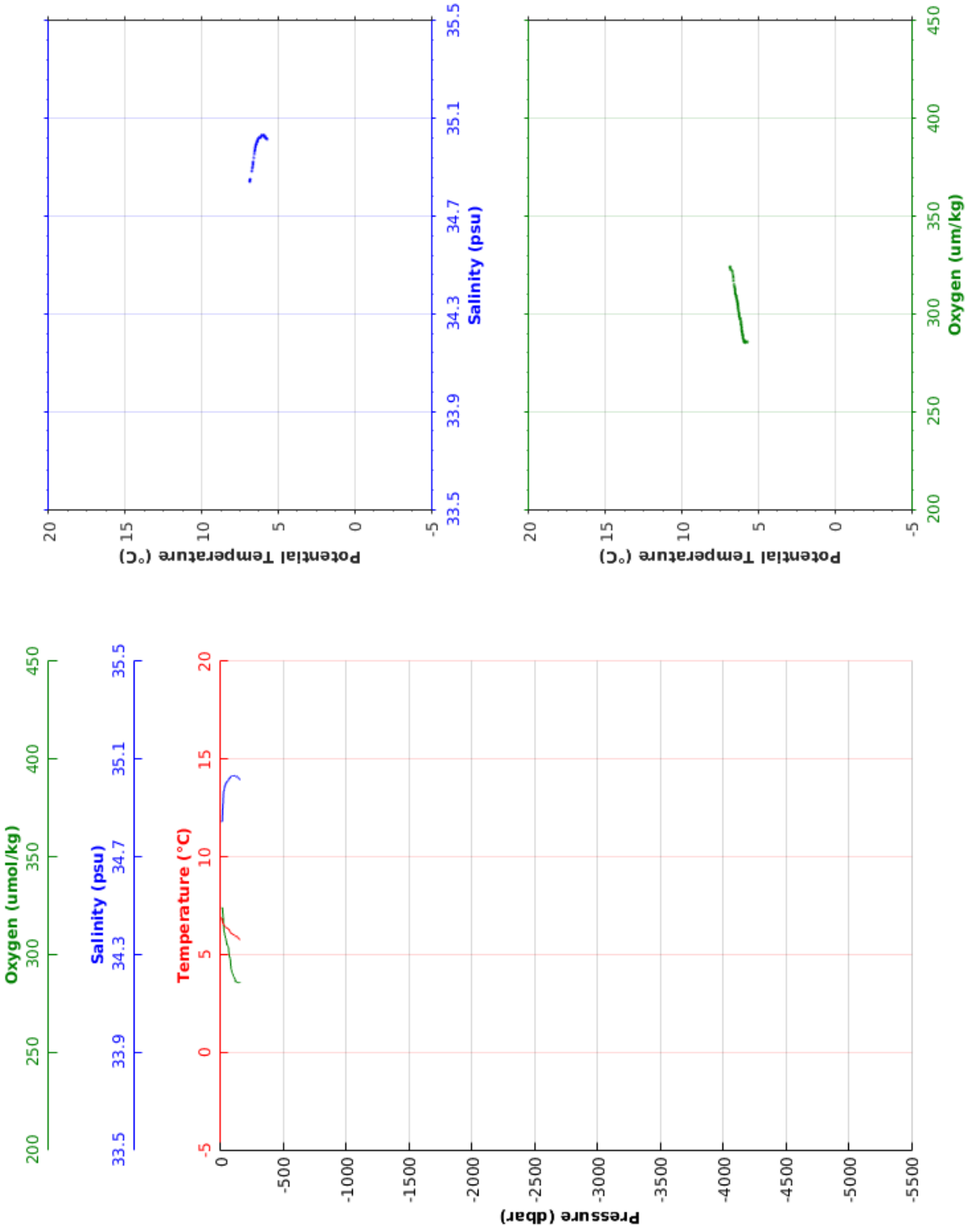
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.926	34.845	323.6	6.926
10.0	6.929	34.845	323.6	6.928
20.0	6.842	34.873	323.9	6.840
30.0	6.563	34.898	315.9	6.560
40.0	6.457	34.903	311.7	6.453
50.0	6.237	34.919	308.1	6.233
100.0	5.694	34.970	294.2	5.686
150.0	5.552	34.986	289.1	5.539
200.0	4.883	34.919	290.8	4.867
250.0	5.073	34.959	287.2	5.054
300.0	4.913	34.953	290.3	4.889
350.0	4.761	34.942	289.1	4.734
400.0	4.670	34.942	287.0	4.639
450.0	4.585	34.944	279.9	4.550
500.0	4.513	34.942	279.4	4.475
550.0	4.319	34.932	281.0	4.277
600.0	4.145	34.918	284.7	4.100
650.0	4.080	34.914	285.0	4.032
700.0	4.034	34.911	285.0	3.982
750.0	3.976	34.907	285.9	3.920
800.0	4.025	34.917	283.2	3.965
850.0	3.984	34.919	282.2	3.920
900.0	3.920	34.918	281.4	3.852
950.0	3.867	34.914	281.1	3.796
1000.0	3.824	34.916	279.1	3.749
1002.0	3.824	34.916	278.8	3.749


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 120

Profile	: 121	Cruise	: GEOVIDE (Classic)
Station	: 60	Cast	: 9
Date	: 18/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1721 m	Organism	: CNRS - IFREMER
Position	: N 59 47.95 W 042 1.09		

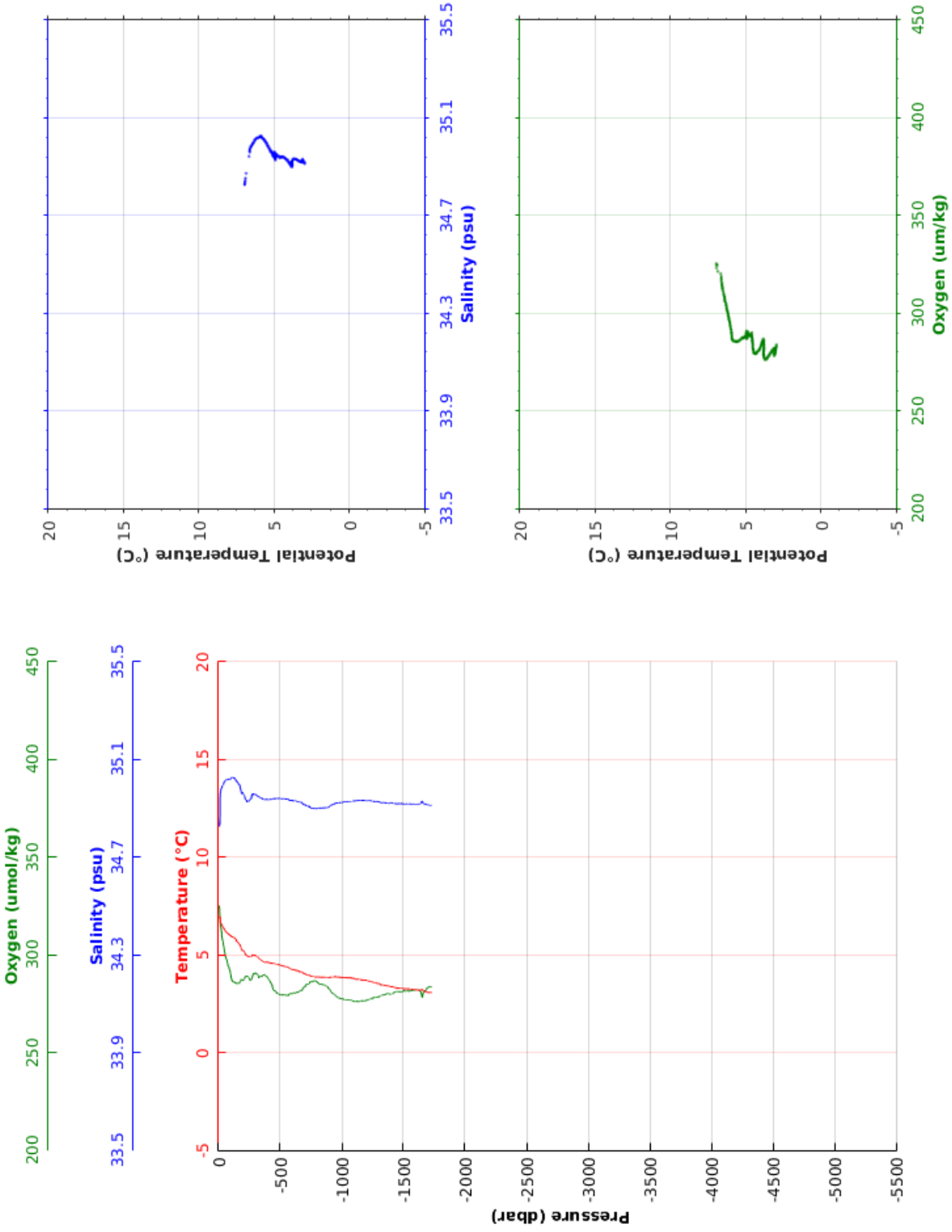
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.855	34.842	323.9	6.855
10.0	6.837	34.848	323.7	6.836
20.0	6.538	34.965	313.2	6.536
30.0	6.470	34.990	309.4	6.467
40.0	6.399	35.002	306.8	6.395
50.0	6.349	35.010	304.3	6.344
100.0	6.013	35.032	288.5	6.004
150.0	5.749	35.016	285.5	5.736
151.0	5.739	35.015	285.7	5.727


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 121

Profile : 122	Cruise : GEOVIDE (Classic)
Station : 60	Cast : 11
Date : 18/06/2014	Ship : N/O Pourquoi pas ?
Depth : 1719 m	Organism : CNRS - IFREMER
Position : N 59 47.95 W 041 58.95	

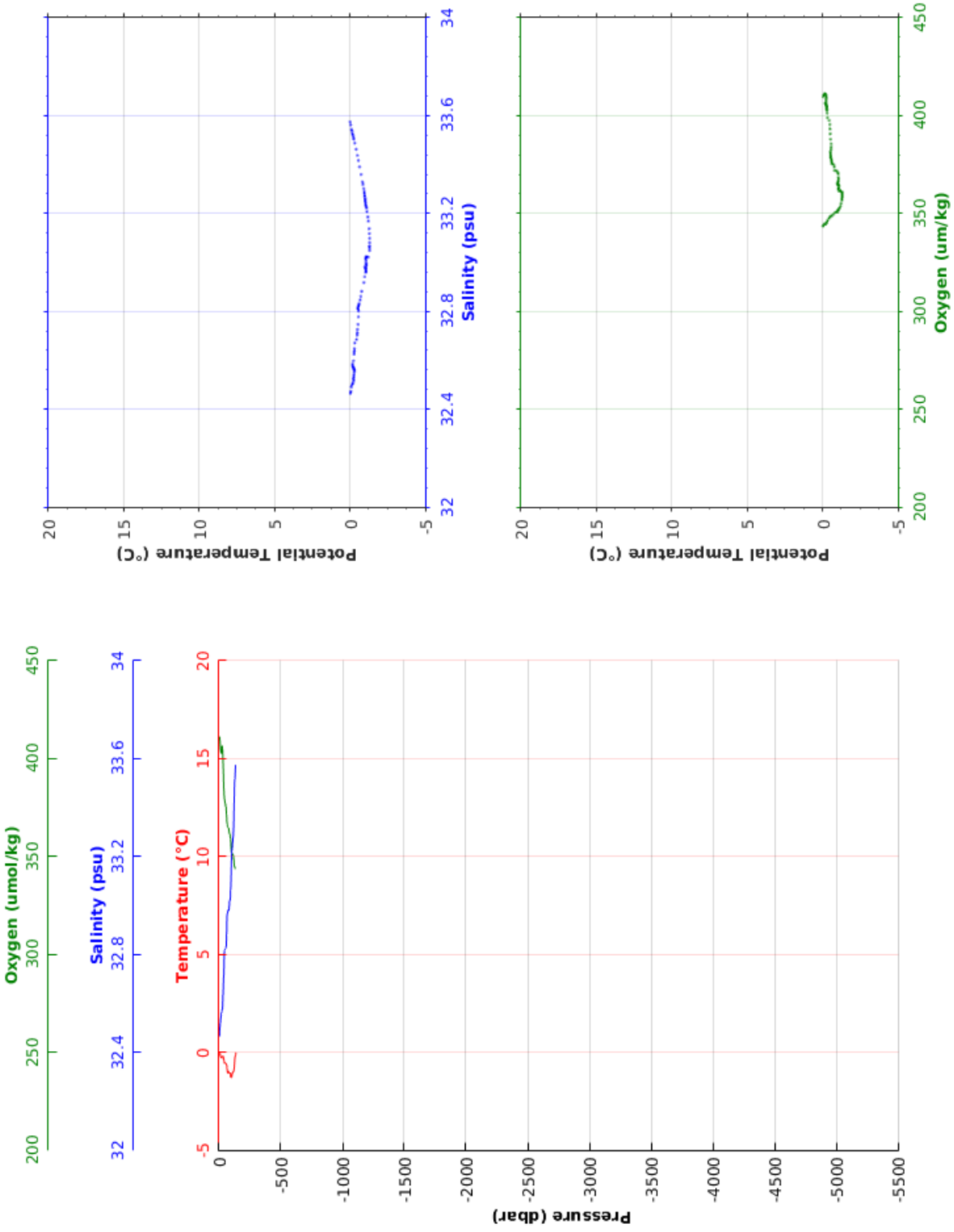
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.937	34.830	325.1	6.937
10.0	6.941	34.827	325.0	6.941
20.0	6.607	34.968	316.6	6.605
30.0	6.508	34.983	311.7	6.505
40.0	6.386	34.996	307.1	6.383
50.0	6.274	35.008	303.4	6.270
100.0	5.975	35.021	291.4	5.967
150.0	5.700	35.013	285.5	5.688
200.0	5.219	34.965	287.1	5.203
250.0	4.911	34.930	288.4	4.892
300.0	4.960	34.957	290.6	4.936
350.0	4.716	34.943	289.0	4.689
400.0	4.624	34.937	288.6	4.594
450.0	4.545	34.940	282.2	4.511
500.0	4.486	34.941	279.7	4.448
550.0	4.391	34.938	279.4	4.349
600.0	4.260	34.933	280.1	4.215
650.0	4.171	34.928	281.0	4.122
700.0	4.038	34.916	283.3	3.985
750.0	3.904	34.902	286.1	3.848
800.0	3.864	34.899	286.4	3.805
850.0	3.856	34.902	284.8	3.793
900.0	3.848	34.907	282.7	3.781
950.0	3.879	34.919	279.7	3.807
1000.0	3.848	34.924	277.6	3.773
1050.0	3.832	34.928	277.0	3.753
1100.0	3.791	34.930	276.4	3.708
1150.0	3.739	34.933	276.3	3.652
1200.0	3.696	34.932	276.6	3.606
1250.0	3.610	34.930	277.6	3.516
1300.0	3.540	34.927	278.5	3.443
1350.0	3.441	34.923	279.6	3.340
1400.0	3.375	34.923	279.9	3.271
1450.0	3.305	34.919	281.2	3.197
1500.0	3.267	34.919	281.4	3.156
1550.0	3.255	34.919	281.5	3.139
1600.0	3.220	34.917	281.9	3.100
1650.0	3.215	34.923	280.3	3.091
1700.0	3.078	34.914	283.2	2.951
1733.0	3.071	34.913	283.8	2.941


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 122

Profile : 123	Cruise : GEOVIDE (Classic)
Station : 61	Cast : 1
Date : 18/06/2014	Ship : N/O Pourquoi pas ?
Depth : 145 m	Organism : CNRS - IFREMER
Position : N 59 45.21 W 045 6.73	

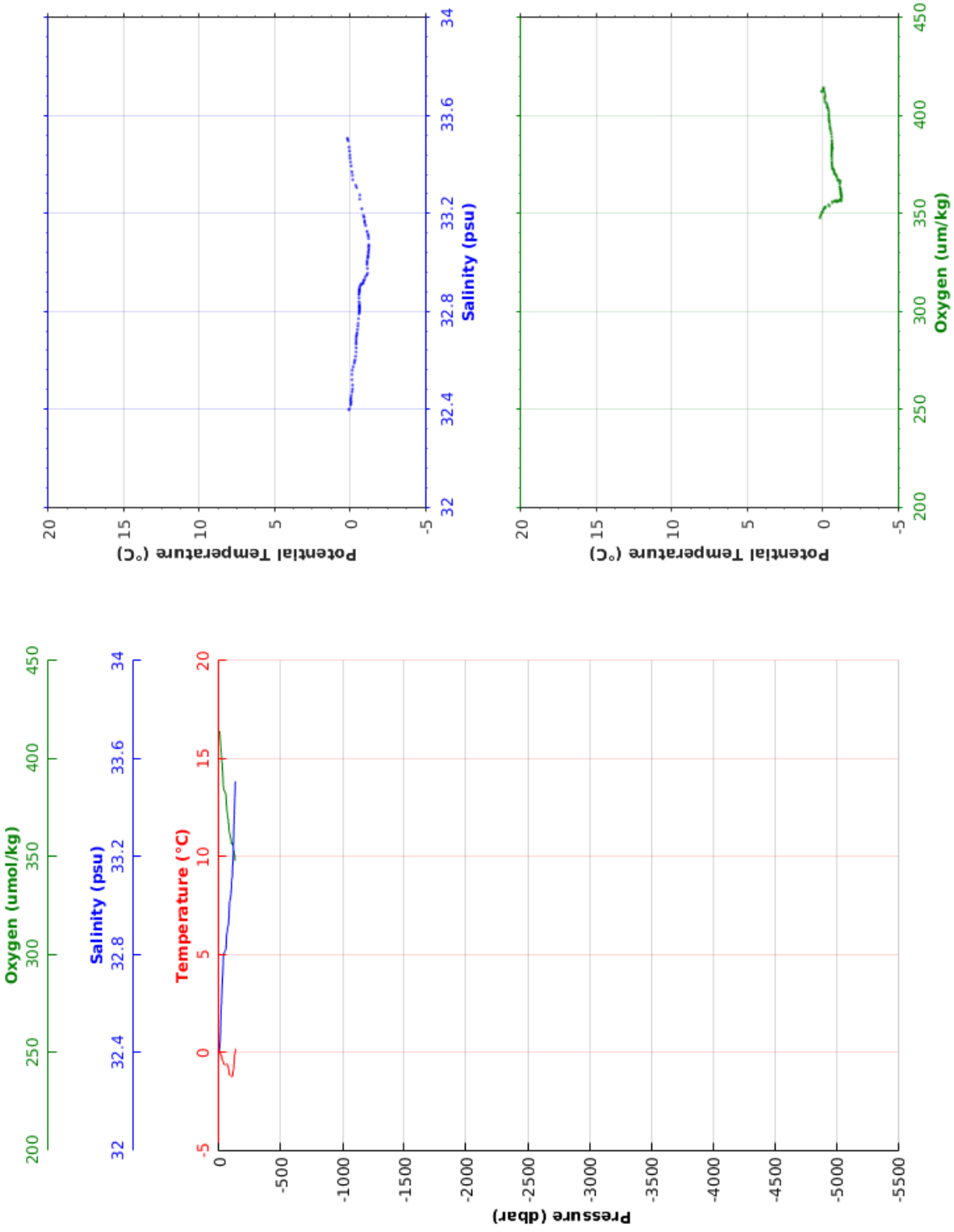
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	-0.071	32.472	410.2	-0.071
10.0	-0.168	32.503	411.2	-0.169
20.0	-0.301	32.551	403.3	-0.301
30.0	-0.204	32.576	406.6	-0.204
40.0	-0.484	32.702	395.4	-0.485
50.0	-0.546	32.817	379.6	-0.547
100.0	-1.312	33.098	358.1	-1.314
137.0	-0.017	33.575	343.6	-0.022


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 123

Profile : 124	Cruise : GEOVIDE (Classic)
Station : 61	Cast : 5
Date : 19/06/2014	Ship : N/O Pourquoi pas ?
Depth : 144 m	Organism : CNRS - IFREMER
Position : N 59 45.21 W 045 6.73	

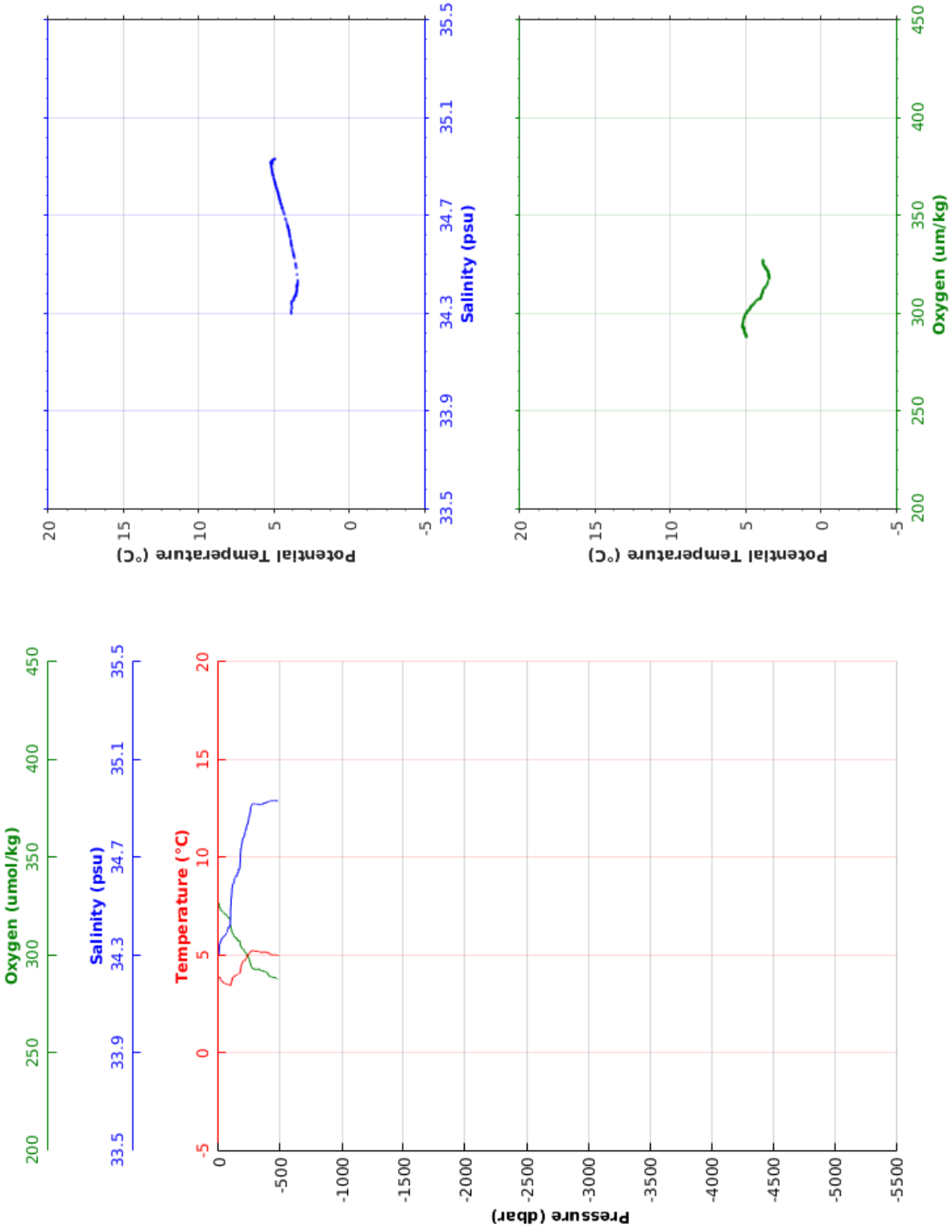
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	0.068	32.397	412.4	0.068
10.0	-0.065	32.433	413.8	-0.065
20.0	-0.224	32.573	406.5	-0.224
30.0	-0.433	32.695	397.6	-0.434
40.0	-0.631	32.798	386.4	-0.632
50.0	-0.649	32.811	383.4	-0.650
100.0	-1.245	33.045	359.5	-1.247
136.0	0.171	33.507	347.8	0.166


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 124

Profile	: 125	Cruise	: GEOVIDE (Classic)
Station	: 62	Cast	: 1
Date	: 19/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 495 m	Organism	: CNRS - IFREMER
Position	: N 59 30.12 W 045 37.19		

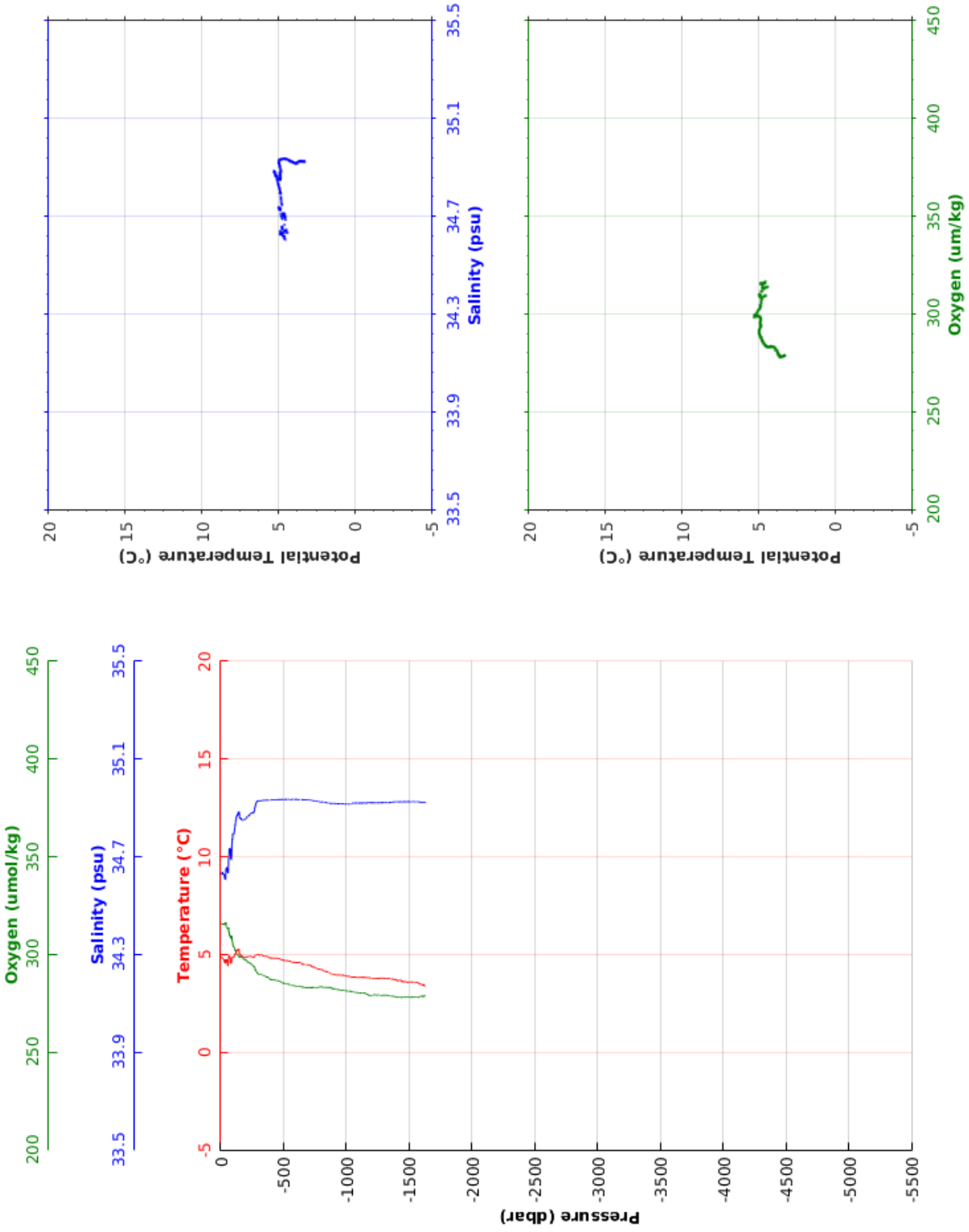
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	3.842	34.299	327.1	3.842
10.0	3.824	34.334	325.8	3.823
20.0	3.695	34.355	323.7	3.693
30.0	3.645	34.365	322.5	3.643
40.0	3.552	34.371	321.9	3.550
50.0	3.529	34.378	321.5	3.526
100.0	3.459	34.458	317.4	3.452
150.0	3.972	34.623	308.7	3.961
200.0	4.683	34.778	302.9	4.668
250.0	5.089	34.867	298.2	5.069
300.0	5.190	34.919	292.7	5.166
350.0	5.143	34.918	292.0	5.115
400.0	5.115	34.926	290.8	5.083
450.0	4.998	34.931	288.5	4.962
485.0	4.970	34.932	287.9	4.932


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 125

Profile	: 126	Cruise	: GEOVIDE (Classic)
Station	: 63	Cast	: 1
Date	: 19/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1618 m	Organism	: CNRS - IFREMER
Position	: N 59 26.05 W 045 39.99		

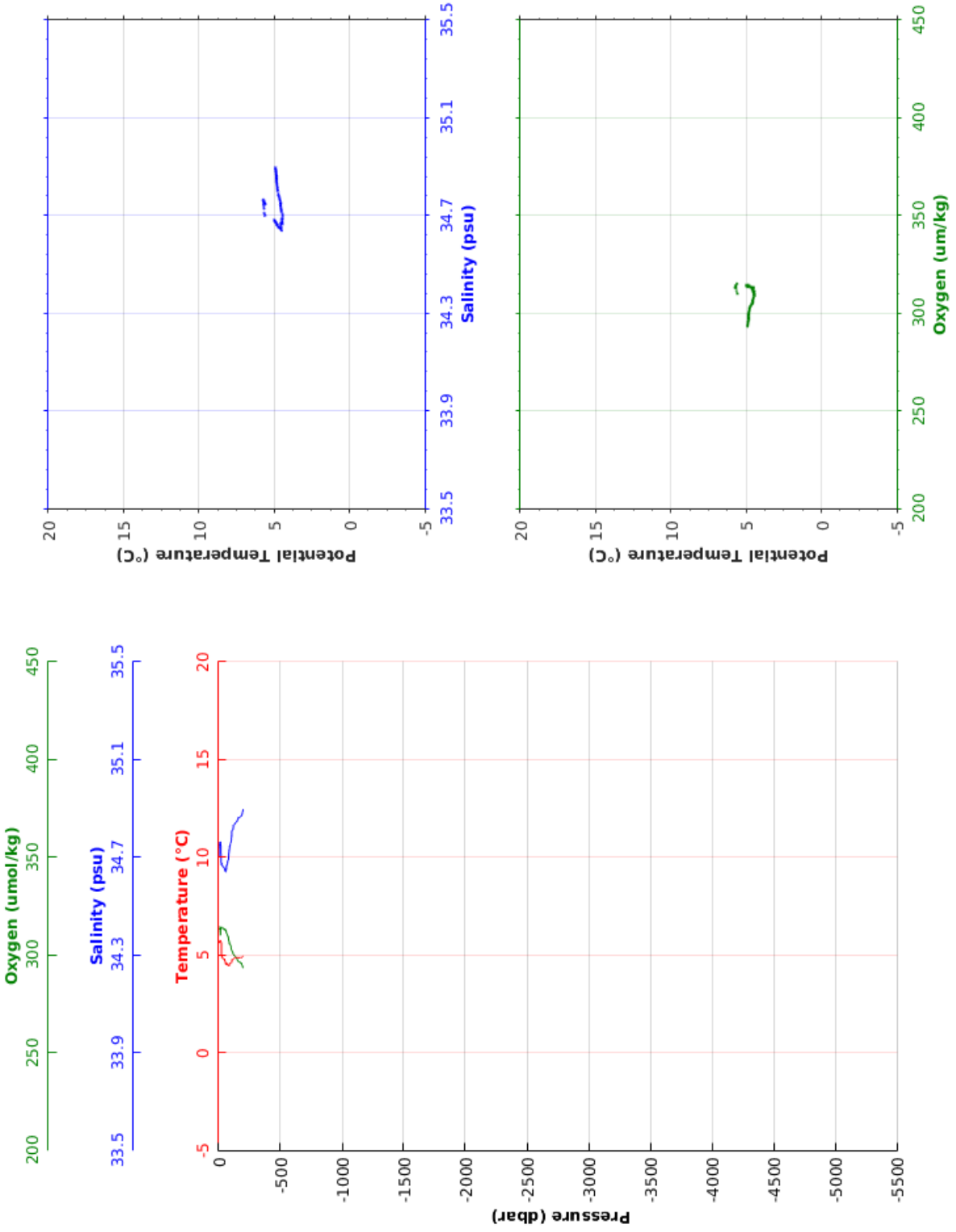
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	4.867	34.626	315.5	4.867
10.0	4.849	34.637	315.3	4.849
20.0	4.758	34.629	315.7	4.756
30.0	4.586	34.609	316.1	4.584
40.0	4.743	34.650	314.3	4.740
50.0	4.614	34.642	313.4	4.610
100.0	4.868	34.793	303.7	4.860
150.0	5.024	34.857	299.0	5.012
200.0	4.861	34.856	297.1	4.845
250.0	4.884	34.879	294.4	4.865
300.0	4.981	34.929	290.0	4.958
350.0	4.916	34.932	288.8	4.889
400.0	4.820	34.933	287.0	4.788
450.0	4.811	34.934	286.7	4.776
500.0	4.701	34.935	285.3	4.662
550.0	4.656	34.935	284.5	4.613
600.0	4.585	34.935	283.7	4.538
650.0	4.496	34.933	283.3	4.445
700.0	4.471	34.933	283.0	4.417
750.0	4.332	34.928	283.0	4.275
800.0	4.227	34.925	283.4	4.166
850.0	4.106	34.921	283.2	4.042
900.0	3.987	34.918	282.2	3.919
950.0	3.950	34.917	281.8	3.878
1000.0	3.896	34.916	281.3	3.820
1050.0	3.843	34.919	280.8	3.764
1100.0	3.820	34.920	280.2	3.737
1150.0	3.822	34.920	280.1	3.735
1200.0	3.784	34.921	279.1	3.693
1250.0	3.777	34.921	279.3	3.682
1300.0	3.781	34.922	279.2	3.681
1350.0	3.759	34.923	278.7	3.655
1400.0	3.704	34.925	278.1	3.596
1450.0	3.599	34.925	278.2	3.487
1500.0	3.582	34.926	278.2	3.467
1550.0	3.572	34.925	278.2	3.453
1600.0	3.477	34.924	278.7	3.354
1630.0	3.405	34.923	278.8	3.280


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 126

Profile	: 127	Cruise	: GEOVIDE (Classic)
Station	: 63	Cast	: 3
Date	: 19/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1618 m	Organism	: CNRS - IFREMER
Position	: N 59 26.06 W 045 41.28		

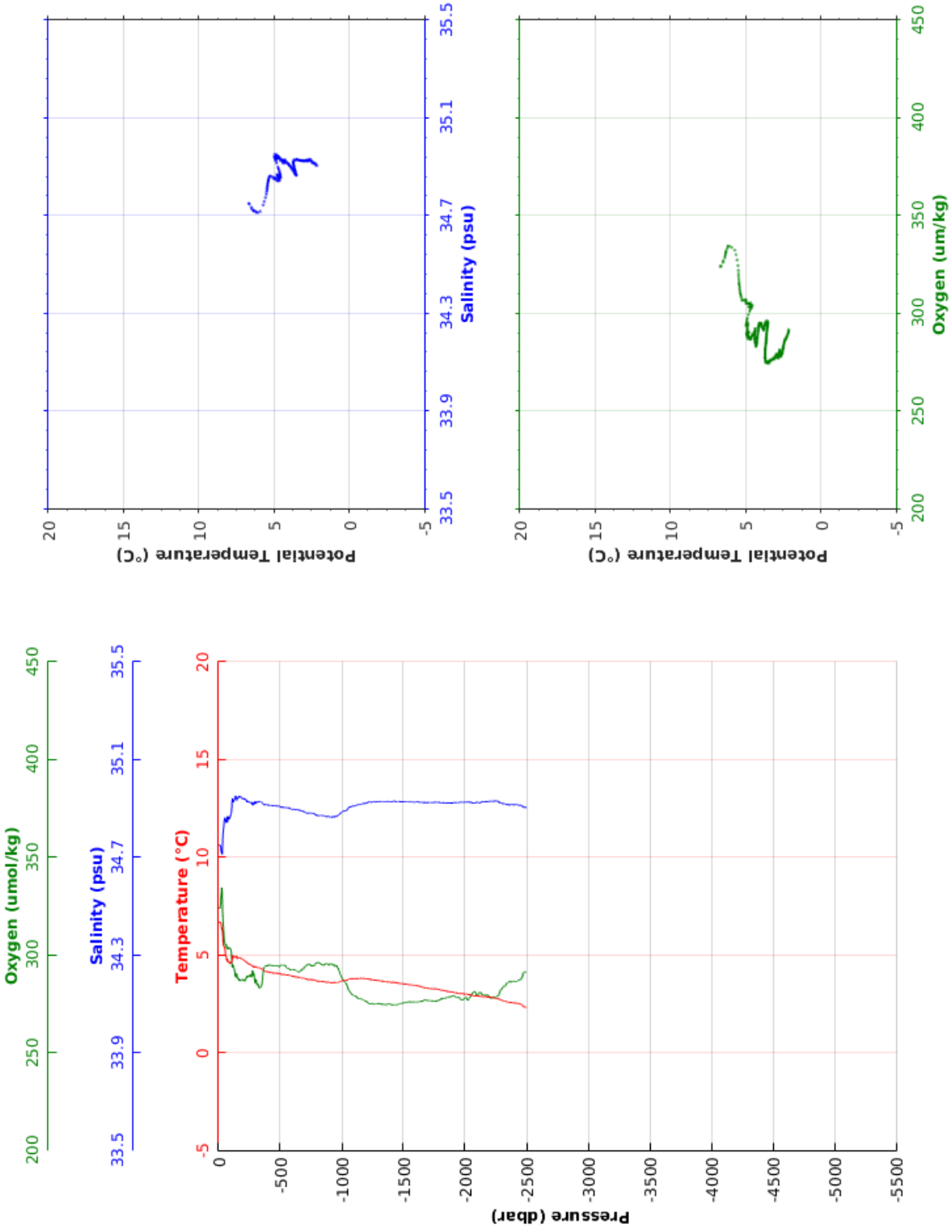
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	5.658	34.710	314.4	5.658
10.0	5.696	34.754	313.3	5.695
20.0	5.604	34.750	310.3	5.603
30.0	4.846	34.667	313.9	4.844
40.0	4.786	34.660	313.7	4.783
50.0	4.698	34.653	313.3	4.694
100.0	4.593	34.756	304.8	4.586
150.0	4.851	34.847	298.3	4.840
200.0	4.925	34.893	293.6	4.909
202.0	4.932	34.896	293.4	4.916


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 127

Profile : 128	Cruise : GEOVIDE (Classic)
Station : 64	Cast : 1
Date : 19/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2474 m	Organism : CNRS - IFREMER
Position : N 59 4.06 W 046 4.98	

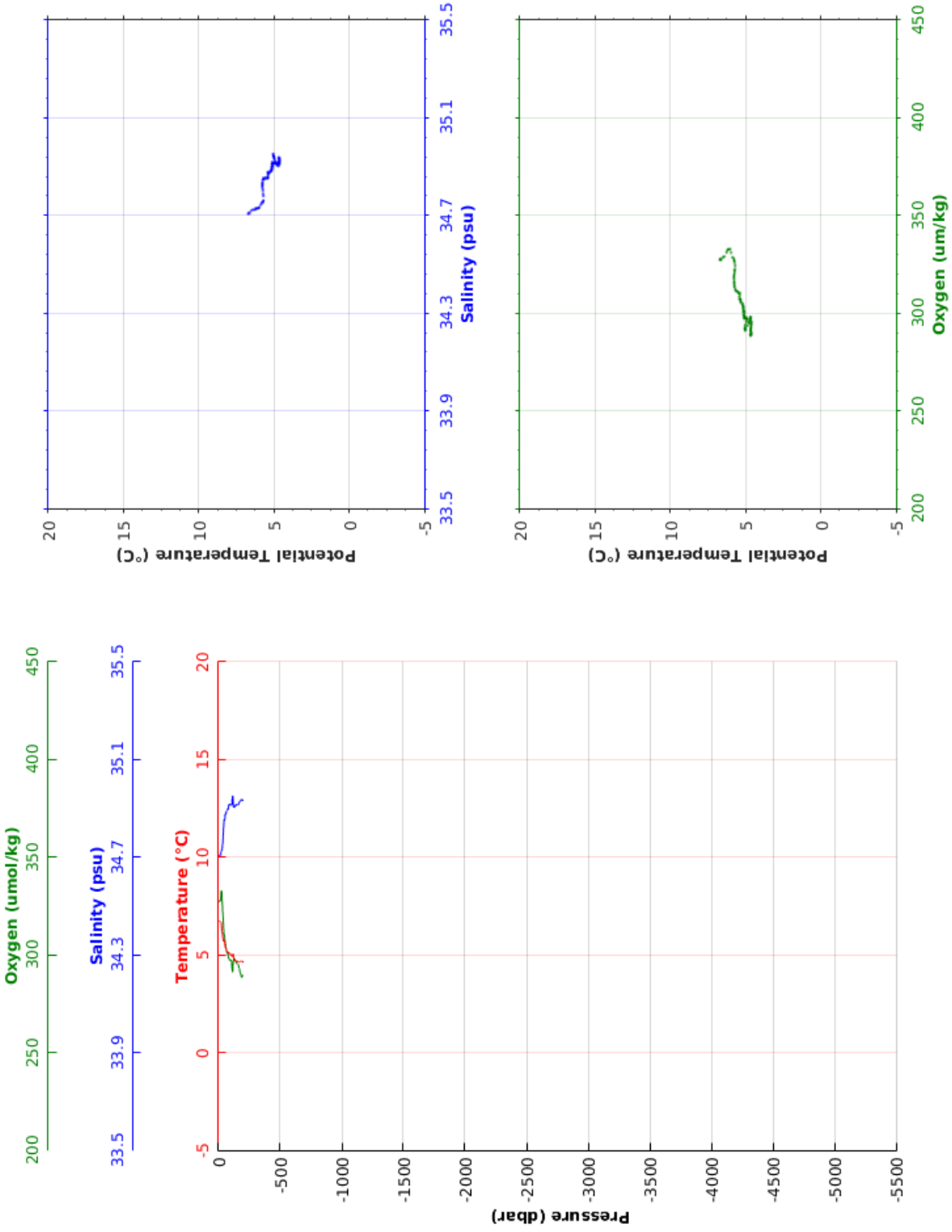
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.669	34.749	323.8	6.669
10.0	6.662	34.750	324.1	6.661
20.0	6.634	34.746	324.1	6.632
30.0	6.240	34.716	332.9	6.237
40.0	5.465	34.804	320.2	5.462
50.0	5.343	34.852	309.7	5.339
100.0	4.598	34.870	303.5	4.590
150.0	4.864	34.942	289.1	4.852
200.0	4.745	34.940	287.2	4.729
250.0	4.515	34.926	289.1	4.496
300.0	4.420	34.928	286.5	4.398
350.0	4.287	34.926	283.8	4.261
400.0	4.126	34.914	294.5	4.097
450.0	4.067	34.911	294.4	4.035
500.0	4.044	34.909	293.9	4.007
550.0	3.974	34.903	294.4	3.934
600.0	3.897	34.897	292.5	3.854
650.0	3.852	34.894	291.3	3.804
700.0	3.777	34.885	293.5	3.727
750.0	3.739	34.881	294.8	3.685
800.0	3.655	34.871	295.8	3.598
850.0	3.637	34.871	294.8	3.575
900.0	3.603	34.868	294.8	3.537
950.0	3.601	34.869	294.0	3.532
1000.0	3.669	34.883	289.3	3.595
1050.0	3.731	34.897	284.0	3.652
1100.0	3.779	34.910	279.4	3.696
1150.0	3.792	34.916	277.4	3.705
1200.0	3.774	34.922	276.1	3.682
1250.0	3.724	34.925	275.1	3.629
1300.0	3.674	34.928	275.0	3.575
1350.0	3.631	34.928	274.5	3.529
1400.0	3.598	34.927	274.6	3.491
1450.0	3.562	34.928	274.3	3.452
1500.0	3.518	34.927	275.2	3.403
1550.0	3.469	34.927	276.0	3.351
1600.0	3.434	34.926	275.8	3.311
1650.0	3.357	34.925	276.3	3.231
1700.0	3.295	34.924	276.6	3.165
1750.0	3.259	34.925	276.4	3.126
1800.0	3.217	34.924	276.9	3.080
1850.0	3.139	34.922	277.9	2.998
1900.0	3.089	34.922	278.9	2.944
1950.0	3.029	34.925	278.2	2.881
2000.0	2.991	34.925	277.6	2.838
2050.0	2.950	34.925	278.6	2.793
2100.0	2.912	34.926	279.1	2.752
2150.0	2.860	34.926	279.6	2.696
2200.0	2.829	34.929	278.5	2.661
2250.0	2.788	34.930	278.5	2.616
2300.0	2.687	34.923	282.0	2.512
2350.0	2.585	34.916	285.7	2.407
2400.0	2.543	34.915	286.4	2.361
2450.0	2.483	34.913	287.2	2.297
2500.0	2.323	34.904	291.3	2.136
2503.0	2.323	34.904	291.4	2.135


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 128

Profile	: 129	Cruise	: GEOVIDE (Classic)
Station	: 64	Cast	: 3
Date	: 19/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2474 m	Organism	: CNRS - IFREMER
Position	: N 59 4.07 W 046 4.98		

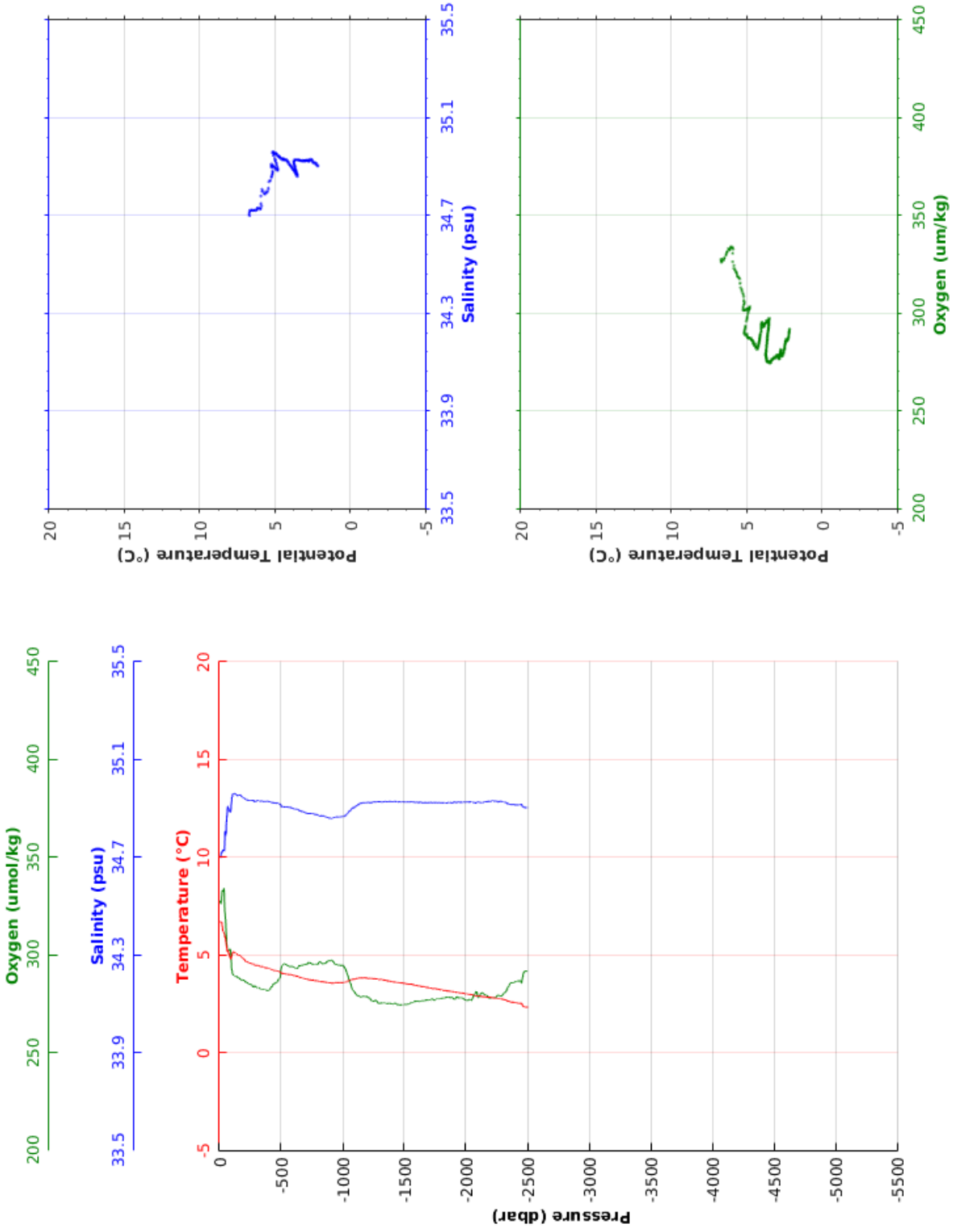
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.702	34.707	327.2	6.702
10.0	6.702	34.708	327.4	6.701
20.0	6.669	34.709	327.3	6.667
30.0	6.124	34.729	332.7	6.122
40.0	5.724	34.788	321.6	5.720
50.0	5.605	34.850	311.1	5.600
100.0	4.969	34.912	297.8	4.961
150.0	4.671	34.913	296.5	4.660
200.0	4.621	34.931	289.3	4.606
201.0	4.609	34.930	289.8	4.594


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 129

Profile : 130	Cruise : GEOVIDE (Classic)
Station : 64	Cast : 5
Date : 20/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2476 m	Organism : CNRS - IFREMER
Position : N 59 4.06 W 046 4.99	

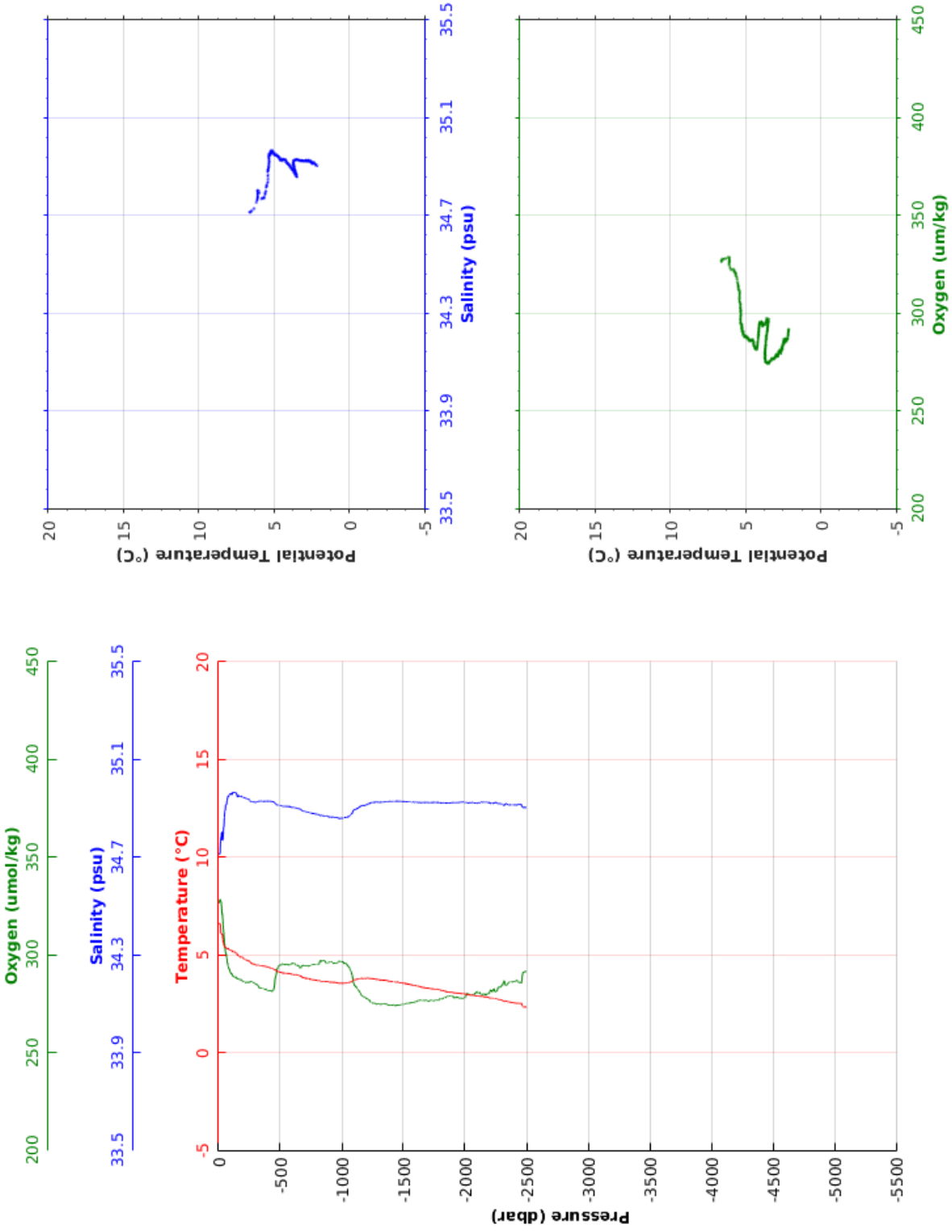
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.693	34.700	327.1	6.693
10.0	6.694	34.700	327.3	6.693
20.0	6.547	34.722	327.1	6.546
30.0	6.187	34.725	332.9	6.184
40.0	6.064	34.729	333.6	6.060
50.0	5.792	34.800	322.3	5.788
100.0	4.950	34.923	298.6	4.943
150.0	4.988	34.953	289.0	4.976
200.0	4.765	34.943	287.1	4.749
250.0	4.581	34.934	284.9	4.562
300.0	4.448	34.928	283.7	4.426
350.0	4.404	34.930	282.3	4.378
400.0	4.310	34.929	281.5	4.280
450.0	4.197	34.922	285.2	4.164
500.0	4.119	34.916	289.0	4.083
550.0	4.009	34.905	294.9	3.969
600.0	3.953	34.901	294.0	3.909
650.0	3.856	34.892	294.2	3.809
700.0	3.758	34.883	295.0	3.708
750.0	3.718	34.879	295.5	3.664
800.0	3.667	34.874	295.0	3.610
850.0	3.621	34.869	295.4	3.560
900.0	3.560	34.861	297.0	3.495
950.0	3.581	34.865	295.0	3.512
1000.0	3.577	34.865	294.6	3.504
1050.0	3.672	34.884	289.1	3.594
1100.0	3.764	34.905	281.2	3.681
1150.0	3.816	34.921	278.4	3.728
1200.0	3.810	34.924	278.7	3.718
1250.0	3.780	34.925	276.3	3.684
1300.0	3.747	34.927	275.1	3.648
1350.0	3.692	34.928	275.3	3.588
1400.0	3.625	34.927	274.8	3.518
1450.0	3.577	34.927	274.5	3.466
1500.0	3.543	34.927	274.6	3.428
1550.0	3.501	34.927	275.1	3.383
1600.0	3.430	34.925	276.4	3.308
1650.0	3.375	34.924	276.5	3.249
1700.0	3.317	34.923	276.9	3.187
1750.0	3.272	34.924	276.8	3.138
1800.0	3.208	34.923	277.7	3.070
1850.0	3.148	34.923	278.3	3.007
1900.0	3.115	34.924	277.9	2.970
1950.0	3.058	34.926	278.1	2.909
2000.0	3.008	34.926	277.0	2.855
2050.0	2.962	34.927	276.7	2.805
2100.0	2.906	34.926	279.0	2.745
2150.0	2.856	34.926	279.9	2.692
2200.0	2.820	34.929	277.9	2.652
2250.0	2.781	34.929	278.3	2.609
2300.0	2.722	34.927	279.3	2.546
2350.0	2.618	34.918	283.9	2.439
2400.0	2.546	34.914	286.0	2.364
2450.0	2.514	34.916	286.4	2.328
2500.0	2.329	34.903	291.7	2.141
2506.0	2.329	34.903	291.7	2.141


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 130

Profile : 131	Cruise : GEOVIDE (Classic)
Station : 64	Cast : 7
Date : 20/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2473 m	Organism : CNRS - IFREMER
Position : N 59 4.06 W 046 4.99	

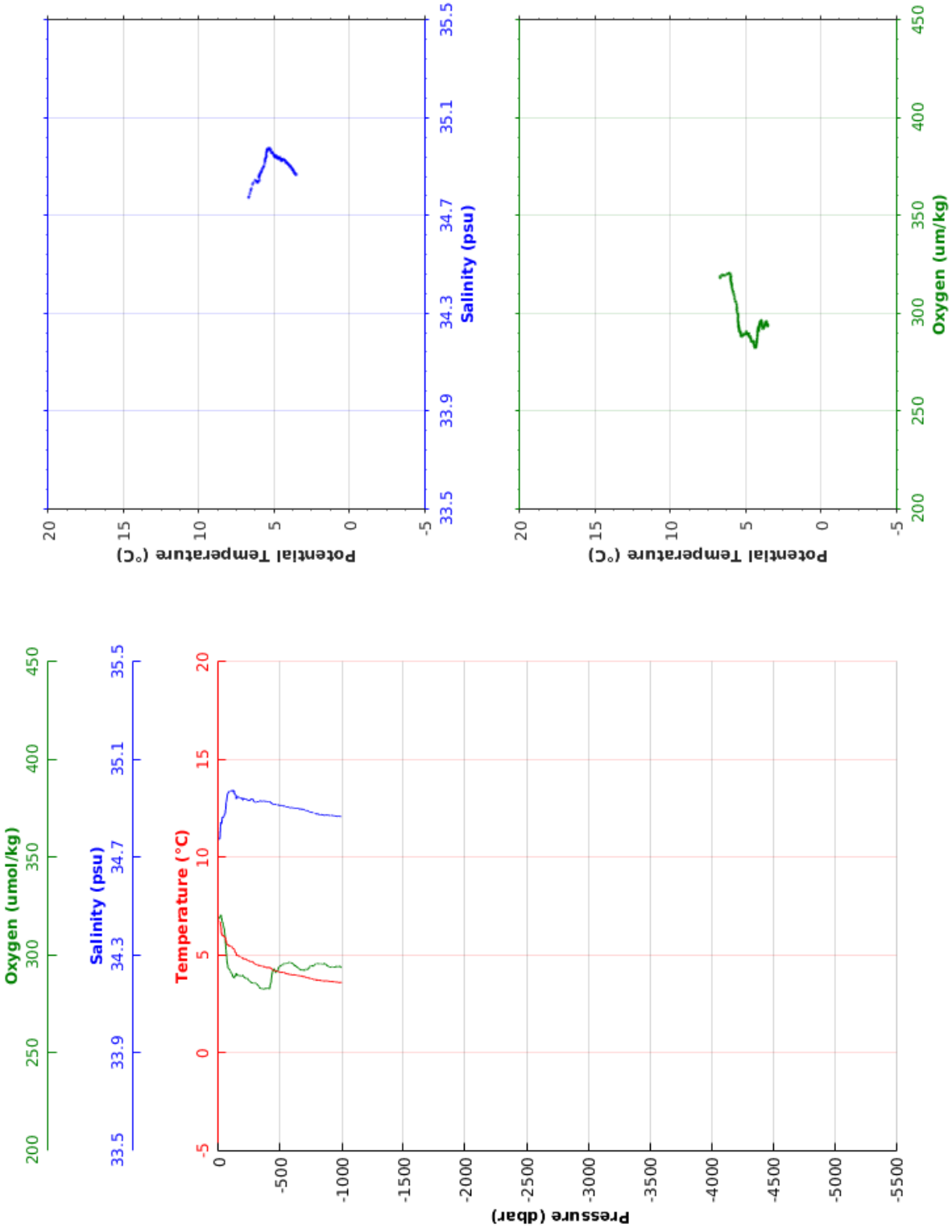
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.609	34.713	326.4	6.609
10.0	6.598	34.713	326.8	6.597
20.0	6.093	34.767	328.5	6.091
30.0	6.080	34.803	324.6	6.077
40.0	5.592	34.787	318.6	5.589
50.0	5.401	34.862	309.6	5.397
100.0	5.248	34.962	291.3	5.240
150.0	5.068	34.961	287.8	5.056
200.0	4.816	34.945	286.7	4.801
250.0	4.670	34.935	285.8	4.651
300.0	4.499	34.926	285.2	4.476
350.0	4.437	34.929	283.0	4.411
400.0	4.386	34.930	281.9	4.356
450.0	4.263	34.926	282.2	4.229
500.0	4.104	34.911	294.6	4.067
550.0	4.053	34.908	295.1	4.013
600.0	3.995	34.903	295.6	3.951
650.0	3.946	34.899	294.4	3.899
700.0	3.816	34.888	294.5	3.766
750.0	3.746	34.881	294.6	3.692
800.0	3.694	34.876	295.2	3.636
850.0	3.639	34.870	297.2	3.578
900.0	3.600	34.865	296.3	3.535
950.0	3.576	34.863	295.8	3.507
1000.0	3.545	34.860	296.6	3.472
1050.0	3.574	34.865	294.7	3.497
1100.0	3.731	34.895	285.9	3.649
1150.0	3.779	34.905	281.3	3.692
1200.0	3.786	34.913	278.0	3.694
1250.0	3.778	34.925	275.5	3.683
1300.0	3.726	34.925	274.9	3.627
1350.0	3.698	34.927	274.8	3.594
1400.0	3.641	34.929	274.4	3.533
1450.0	3.607	34.930	274.1	3.496
1500.0	3.549	34.928	274.6	3.434
1550.0	3.486	34.927	275.4	3.367
1600.0	3.422	34.925	275.9	3.300
1650.0	3.335	34.924	276.7	3.209
1700.0	3.297	34.924	276.4	3.167
1750.0	3.253	34.924	276.6	3.120
1800.0	3.194	34.923	277.4	3.057
1850.0	3.108	34.922	278.4	2.968
1900.0	3.070	34.923	278.9	2.926
1950.0	3.031	34.925	277.9	2.882
2000.0	2.995	34.926	278.1	2.843
2050.0	2.939	34.924	279.5	2.783
2100.0	2.889	34.921	281.1	2.729
2150.0	2.861	34.925	279.9	2.697
2200.0	2.808	34.923	280.2	2.640
2250.0	2.762	34.924	281.1	2.591
2300.0	2.676	34.918	283.9	2.501
2350.0	2.603	34.916	285.1	2.425
2400.0	2.543	34.915	286.2	2.362
2450.0	2.515	34.916	285.9	2.328
2500.0	2.330	34.903	291.6	2.143
2502.0	2.331	34.903	291.6	2.143


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 131

Profile	: 132	Cruise	: GEOVIDE (Classic)
Station	: 64	Cast	: 9
Date	: 20/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2473 m	Organism	: CNRS - IFREMER
Position	: N 59 4.06 W 046 4.99		

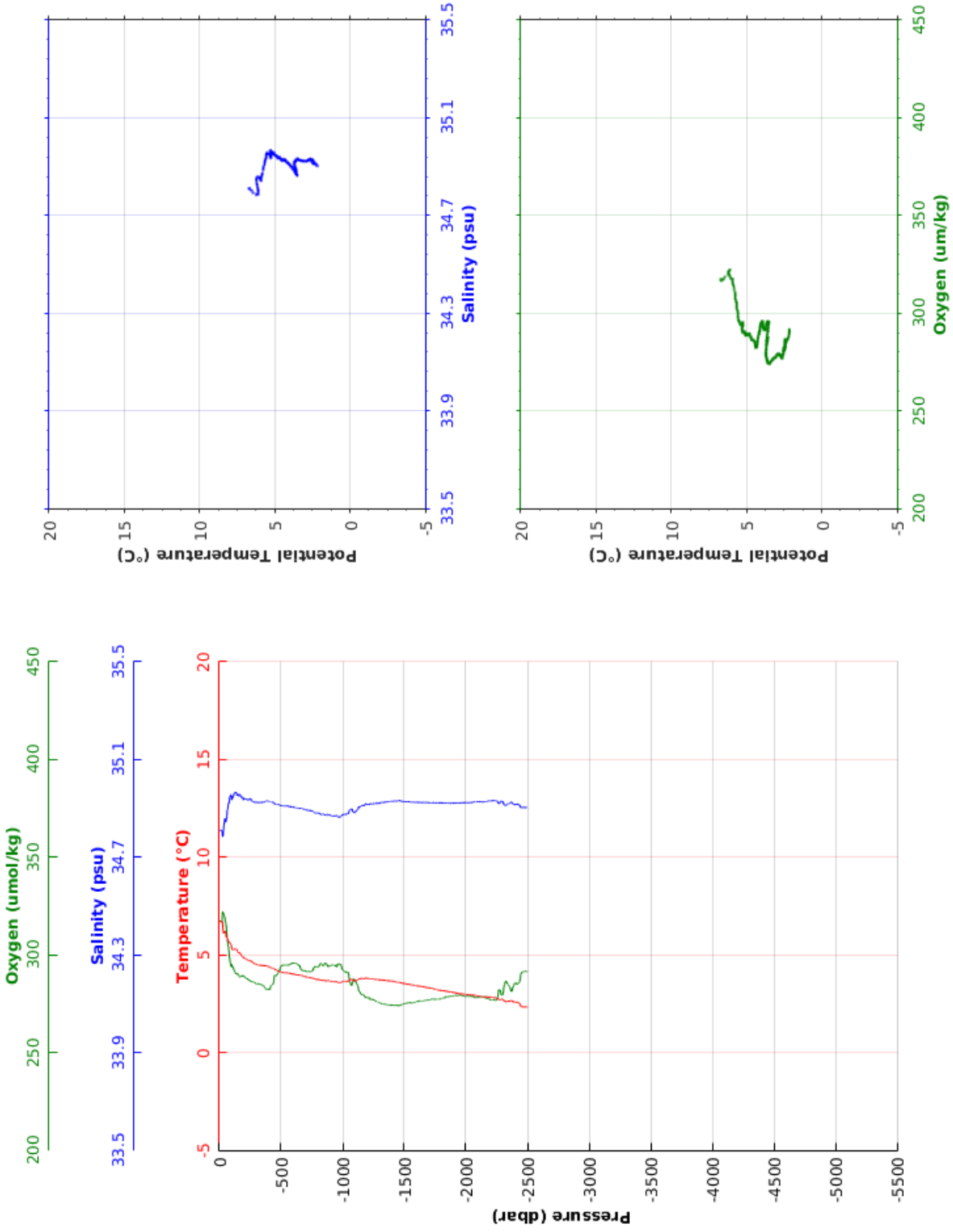
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.689	34.774	318.1	6.689
10.0	6.685	34.774	318.8	6.684
20.0	6.373	34.834	319.3	6.372
30.0	5.970	34.844	319.0	5.967
40.0	5.972	34.861	316.6	5.968
50.0	5.923	34.872	313.6	5.918
100.0	5.439	34.971	292.0	5.431
150.0	4.964	34.944	290.3	4.952
200.0	4.792	34.935	289.4	4.777
250.0	4.681	34.935	286.9	4.662
300.0	4.515	34.925	285.7	4.493
350.0	4.425	34.930	282.8	4.399
400.0	4.347	34.928	282.7	4.317
450.0	4.203	34.917	292.6	4.170
500.0	4.111	34.912	294.1	4.075
550.0	4.039	34.907	295.5	3.998
600.0	3.989	34.903	295.9	3.945
650.0	3.945	34.900	293.6	3.897
700.0	3.872	34.894	292.0	3.821
750.0	3.783	34.885	294.2	3.728
800.0	3.711	34.878	295.2	3.653
850.0	3.676	34.874	295.2	3.615
900.0	3.643	34.872	294.0	3.577
950.0	3.610	34.869	293.8	3.541
1000.0	3.596	34.869	293.4	3.523
1001.0	3.597	34.870	293.3	3.523


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 132

Profile : 133	Cruise : GEOVIDE (Classic)
Station : 64	Cast : 11
Date : 20/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2473 m	Organism : CNRS - IFREMER
Position : N 59 4.33 W 046 5.32	

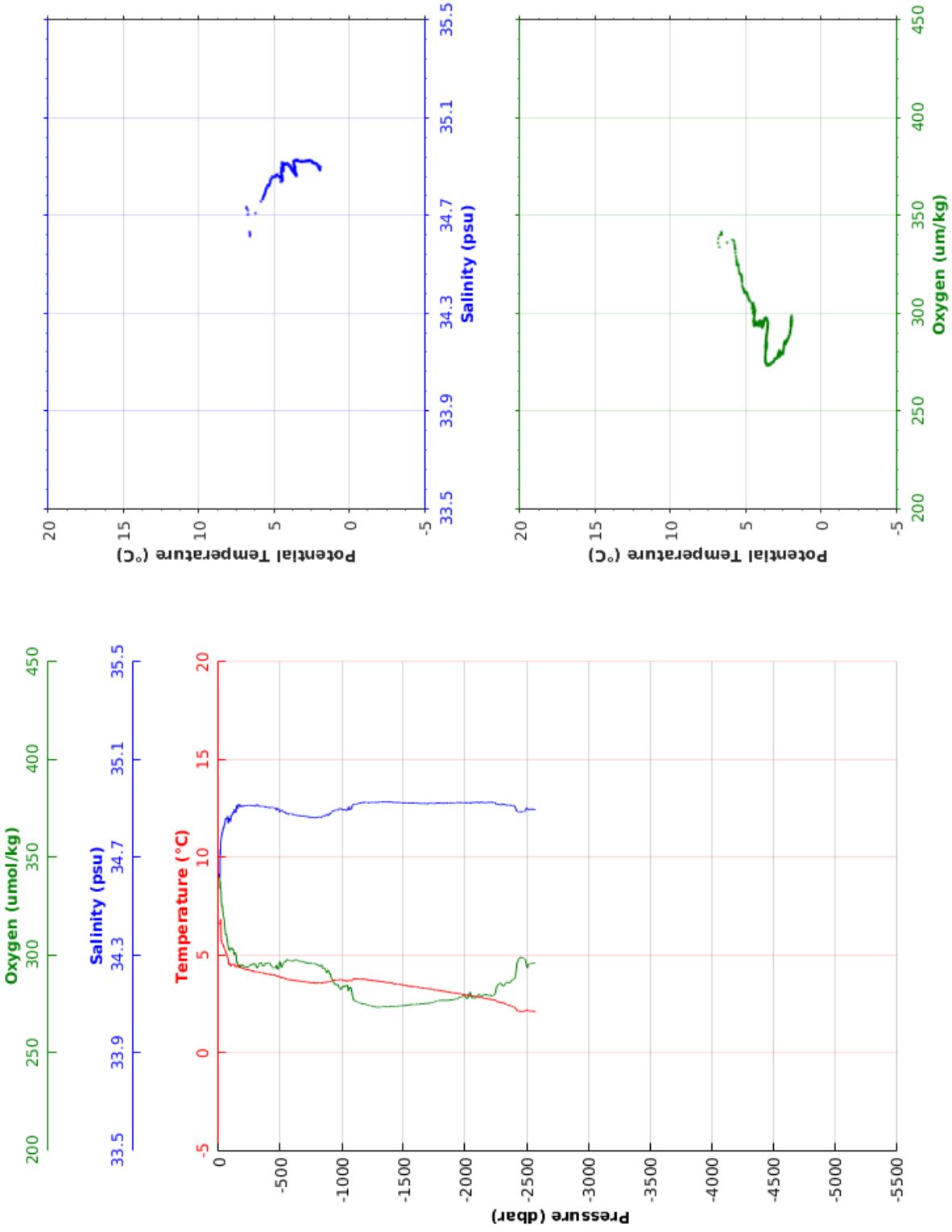
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.713	34.811	317.2	6.713
10.0	6.711	34.811	317.3	6.710
20.0	6.706	34.811	317.1	6.704
30.0	6.200	34.788	321.1	6.197
40.0	6.195	34.832	321.0	6.192
50.0	6.132	34.859	319.0	6.128
100.0	5.382	34.949	294.2	5.374
150.0	5.159	34.954	290.4	5.147
200.0	4.810	34.936	289.4	4.794
250.0	4.697	34.938	286.8	4.678
300.0	4.502	34.925	285.4	4.480
350.0	4.458	34.925	284.6	4.432
400.0	4.399	34.929	282.3	4.369
450.0	4.256	34.919	288.1	4.222
500.0	4.118	34.912	293.4	4.081
550.0	4.081	34.910	294.6	4.041
600.0	4.019	34.905	295.7	3.975
650.0	3.964	34.901	294.7	3.916
700.0	3.884	34.895	291.8	3.832
750.0	3.823	34.890	291.4	3.769
800.0	3.737	34.881	293.9	3.679
850.0	3.694	34.877	294.4	3.632
900.0	3.662	34.873	294.5	3.597
950.0	3.629	34.870	294.2	3.560
1000.0	3.630	34.873	293.0	3.557
1050.0	3.644	34.877	291.0	3.567
1100.0	3.662	34.884	287.6	3.580
1150.0	3.793	34.910	280.6	3.706
1200.0	3.793	34.916	278.3	3.701
1250.0	3.759	34.919	277.3	3.664
1300.0	3.722	34.921	275.5	3.623
1350.0	3.694	34.926	274.6	3.590
1400.0	3.657	34.930	274.2	3.549
1450.0	3.604	34.931	274.2	3.493
1500.0	3.524	34.928	274.9	3.410
1550.0	3.479	34.926	275.5	3.361
1600.0	3.415	34.925	276.0	3.293
1650.0	3.366	34.924	276.6	3.240
1700.0	3.317	34.924	276.8	3.188
1750.0	3.245	34.923	277.3	3.112
1800.0	3.183	34.923	277.6	3.046
1850.0	3.127	34.922	278.6	2.987
1900.0	3.081	34.922	278.9	2.936
1950.0	3.010	34.922	279.3	2.862
2000.0	2.971	34.923	278.8	2.819
2050.0	2.941	34.924	278.8	2.785
2100.0	2.899	34.927	278.2	2.738
2150.0	2.860	34.928	278.3	2.696
2200.0	2.841	34.931	276.9	2.672
2250.0	2.790	34.931	276.9	2.618
2300.0	2.716	34.928	279.4	2.541
2350.0	2.632	34.919	284.5	2.453
2400.0	2.572	34.915	285.5	2.389
2450.0	2.341	34.903	289.8	2.158
2500.0	2.338	34.903	291.6	2.151
2503.0	2.339	34.903	291.5	2.151


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 133

Profile : 134	Cruise : GEOVIDE (Classic)
Station : 65	Cast : 1
Date : 20/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2544 m	Organism : CNRS - IFREMER
Position : N 58 34.98 W 046 23.16	

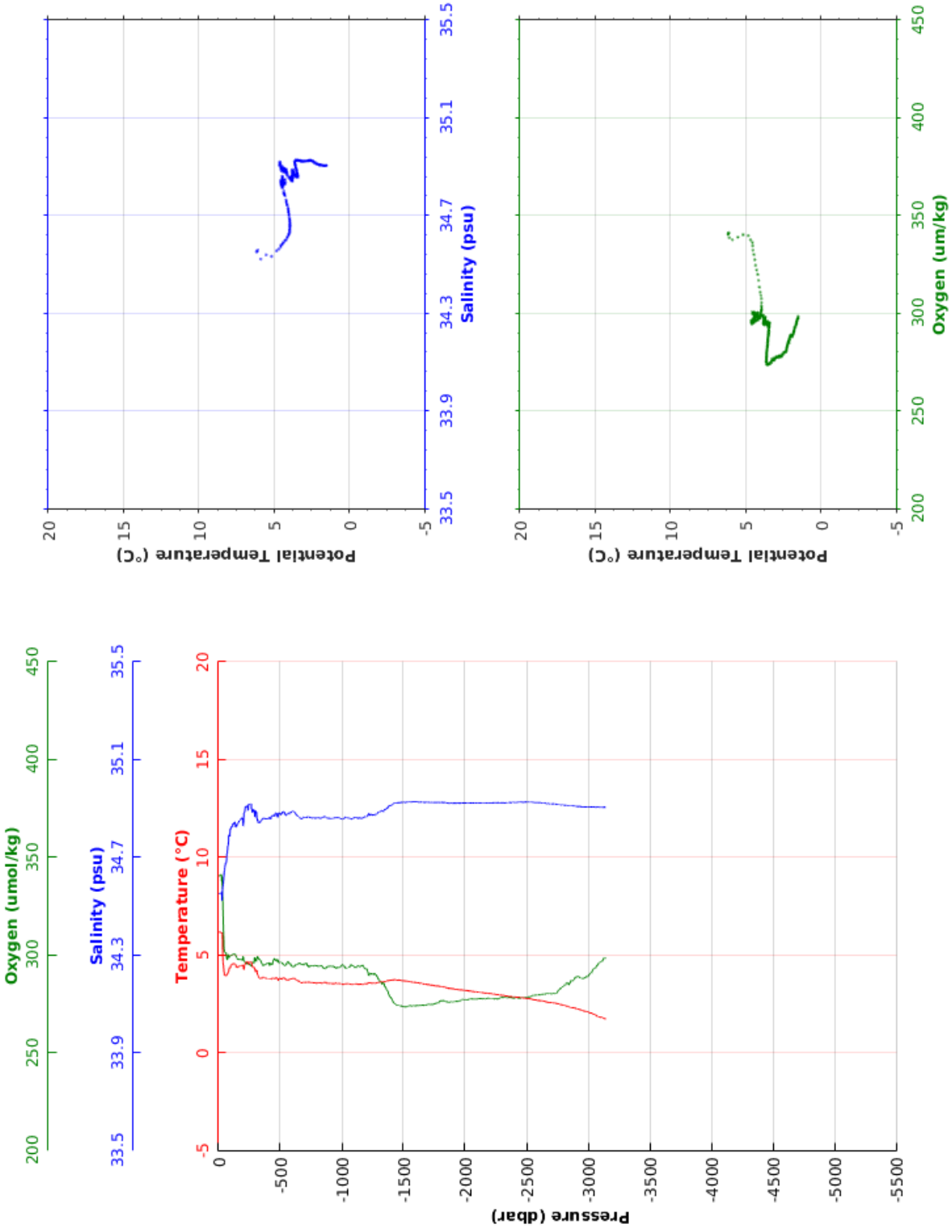
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.601	34.620	340.2	6.601
10.0	6.591	34.621	340.5	6.590
20.0	5.862	34.757	337.6	5.860
30.0	5.581	34.794	325.9	5.579
40.0	5.456	34.816	322.8	5.452
50.0	5.254	34.834	318.5	5.250
100.0	4.414	34.849	302.7	4.407
150.0	4.434	34.904	297.9	4.423
200.0	4.293	34.908	294.9	4.279
250.0	4.213	34.912	294.1	4.195
300.0	4.140	34.911	295.4	4.118
350.0	4.075	34.908	296.1	4.050
400.0	4.018	34.905	295.5	3.989
450.0	3.966	34.903	293.5	3.934
500.0	3.824	34.886	296.5	3.789
550.0	3.765	34.880	296.9	3.726
600.0	3.709	34.876	296.8	3.666
650.0	3.663	34.871	297.2	3.617
700.0	3.622	34.868	296.3	3.572
750.0	3.580	34.864	295.6	3.526
800.0	3.557	34.861	295.2	3.500
850.0	3.597	34.870	293.3	3.536
900.0	3.627	34.877	291.4	3.561
950.0	3.711	34.892	285.2	3.641
1000.0	3.736	34.899	282.2	3.662
1050.0	3.664	34.894	284.5	3.586
1100.0	3.772	34.917	277.2	3.689
1150.0	3.762	34.922	275.5	3.675
1200.0	3.742	34.925	274.6	3.651
1250.0	3.688	34.925	273.7	3.593
1300.0	3.643	34.925	273.2	3.545
1350.0	3.608	34.927	273.5	3.505
1400.0	3.566	34.926	273.6	3.459
1450.0	3.508	34.925	273.8	3.398
1500.0	3.453	34.923	274.0	3.340
1550.0	3.394	34.922	274.3	3.277
1600.0	3.365	34.922	274.7	3.243
1650.0	3.308	34.921	275.0	3.183
1700.0	3.270	34.920	275.1	3.141
1750.0	3.218	34.920	275.8	3.085
1800.0	3.169	34.922	276.7	3.032
1850.0	3.123	34.922	276.7	2.982
1900.0	3.060	34.922	276.9	2.916
1950.0	3.017	34.925	277.6	2.868
2000.0	2.958	34.923	279.6	2.806
2050.0	2.901	34.924	280.5	2.746
2100.0	2.851	34.925	278.5	2.692
2150.0	2.790	34.924	279.3	2.627
2200.0	2.732	34.925	279.3	2.565
2250.0	2.669	34.922	280.3	2.499
2300.0	2.550	34.916	285.5	2.377
2350.0	2.429	34.913	286.0	2.254
2400.0	2.327	34.910	287.7	2.149
2450.0	2.112	34.886	298.5	1.933
2500.0	2.162	34.898	296.0	1.978
2550.0	2.116	34.897	295.7	1.928
2574.0	2.080	34.897	295.8	1.890


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 134

Profile : 135	Cruise : GEOVIDE (Classic)
Station : 66	Cast : 1
Date : 21/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3103 m	Organism : CNRS - IFREMER
Position : N 57 59.52 W 046 45.19	

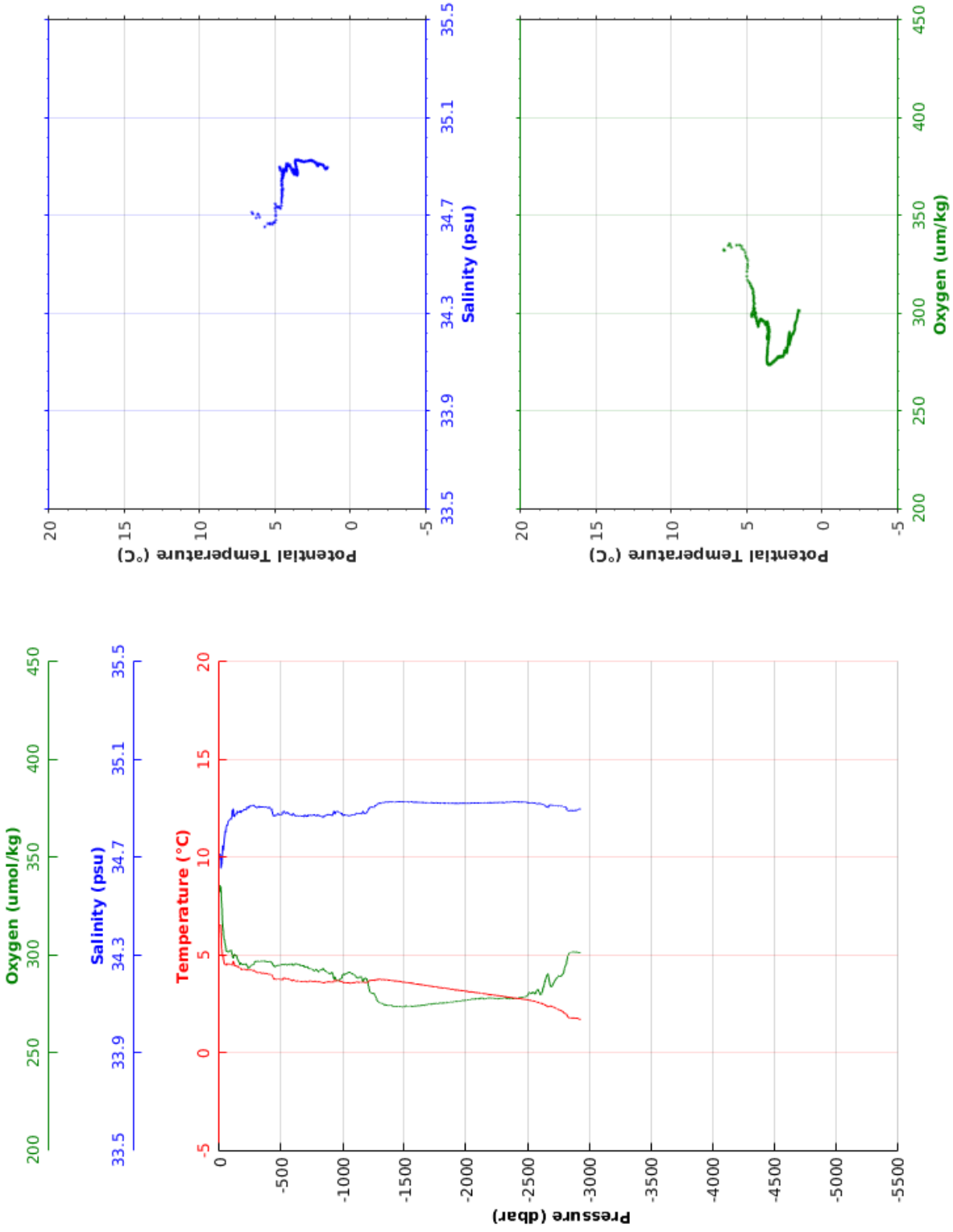
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.157	34.551	340.4	6.157	3050.0	1.956	34.905	292.7	1.723
10.0	6.158	34.550	340.8	6.157	3100.0	1.804	34.905	296.3	1.569
20.0	6.157	34.551	340.8	6.155	3145.0	1.736	34.905	298.2	1.499
30.0	6.082	34.557	338.6	6.079					
40.0	4.392	34.587	327.4	4.389					
50.0	3.946	34.643	303.7	3.942					
100.0	4.451	34.813	299.3	4.443					
150.0	4.367	34.829	298.7	4.356					
200.0	4.427	34.854	297.6	4.412					
250.0	4.616	34.916	295.4	4.597					
300.0	4.168	34.880	298.2	4.147					
350.0	3.815	34.851	296.5	3.791					
400.0	3.780	34.857	295.7	3.752					
450.0	3.799	34.871	297.1	3.767					
500.0	3.810	34.882	296.0	3.775					
550.0	3.706	34.871	294.6	3.668					
600.0	3.794	34.887	294.2	3.751					
650.0	3.656	34.868	295.4	3.610					
700.0	3.598	34.862	295.2	3.548					
750.0	3.574	34.862	294.3	3.521					
800.0	3.570	34.863	294.3	3.512					
850.0	3.569	34.863	293.9	3.508					
900.0	3.542	34.860	293.9	3.477					
950.0	3.543	34.862	293.5	3.474					
1000.0	3.495	34.856	294.6	3.423					
1050.0	3.521	34.862	293.3	3.444					
1100.0	3.505	34.860	294.2	3.424					
1150.0	3.500	34.861	294.1	3.416					
1200.0	3.518	34.865	292.8	3.429					
1250.0	3.548	34.872	290.3	3.455					
1300.0	3.596	34.883	287.8	3.498					
1350.0	3.631	34.894	284.8	3.529					
1400.0	3.703	34.911	278.4	3.595					
1450.0	3.712	34.922	274.5	3.599					
1500.0	3.671	34.924	273.6	3.555					
1550.0	3.635	34.927	273.9	3.515					
1600.0	3.588	34.927	273.9	3.463					
1650.0	3.530	34.926	274.2	3.402					
1700.0	3.479	34.925	274.6	3.347					
1750.0	3.425	34.924	274.7	3.289					
1800.0	3.382	34.925	276.2	3.243					
1850.0	3.320	34.922	276.0	3.176					
1900.0	3.267	34.922	276.0	3.120					
1950.0	3.219	34.921	276.3	3.068					
2000.0	3.182	34.922	277.0	3.027					
2050.0	3.141	34.922	277.3	2.981					
2100.0	3.099	34.922	277.4	2.936					
2150.0	3.057	34.922	277.7	2.889					
2200.0	3.020	34.922	277.6	2.848					
2250.0	2.977	34.923	277.4	2.802					
2300.0	2.927	34.923	278.2	2.748					
2350.0	2.881	34.924	278.1	2.698					
2400.0	2.847	34.925	277.9	2.660					
2450.0	2.813	34.926	277.7	2.621					
2500.0	2.775	34.926	278.1	2.579					
2550.0	2.714	34.925	279.1	2.514					
2600.0	2.665	34.924	279.6	2.462					
2650.0	2.611	34.922	280.0	2.404					
2700.0	2.557	34.919	280.1	2.346					
2750.0	2.505	34.917	280.6	2.290					
2800.0	2.425	34.914	283.8	2.207					
2850.0	2.334	34.911	284.8	2.113					
2900.0	2.255	34.909	288.4	2.031					
2950.0	2.172	34.907	288.1	1.945					
3000.0	2.087	34.906	289.0	1.856					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 135

Profile : 136	Cruise : GEOVIDE (Classic)
Station : 67	Cast : 1
Date : 21/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2894 m	Organism : CNRS - IFREMER
Position : N 57 34.63 W 047 0.72	

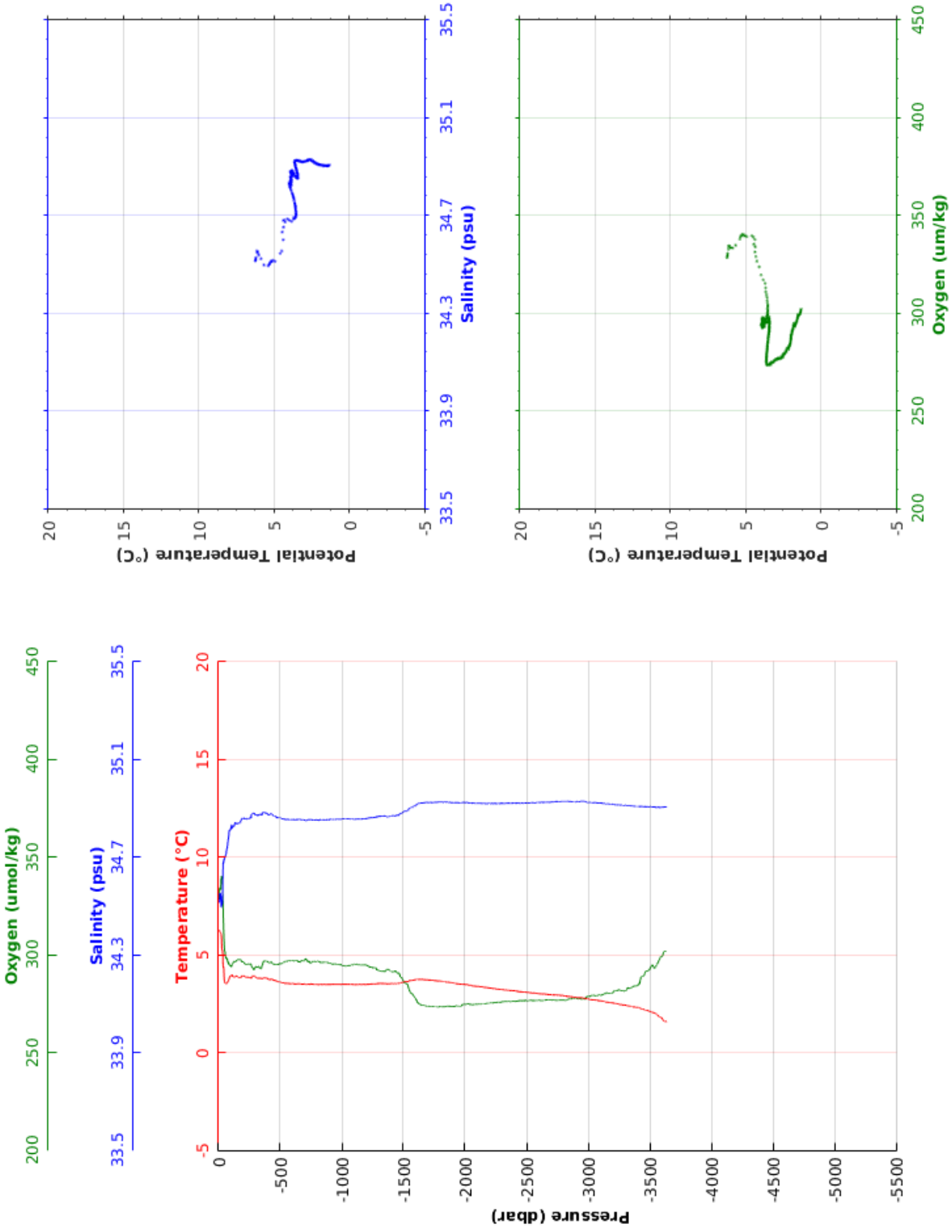
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.512	34.713	332.6	6.512
10.0	6.499	34.710	332.3	6.498
20.0	5.168	34.664	332.3	5.166
30.0	4.937	34.743	316.9	4.935
40.0	4.565	34.758	309.7	4.562
50.0	4.522	34.809	306.2	4.519
100.0	4.469	34.857	302.3	4.462
150.0	4.422	34.887	297.9	4.411
200.0	4.258	34.892	295.2	4.244
250.0	4.239	34.910	293.4	4.221
300.0	4.124	34.907	296.7	4.102
350.0	4.069	34.906	296.7	4.044
400.0	4.008	34.900	296.5	3.980
450.0	3.757	34.872	294.1	3.725
500.0	3.736	34.874	294.7	3.701
550.0	3.766	34.882	295.0	3.727
600.0	3.724	34.879	295.0	3.682
650.0	3.639	34.868	295.0	3.593
700.0	3.656	34.872	293.5	3.606
750.0	3.639	34.871	292.8	3.585
800.0	3.641	34.874	291.9	3.583
850.0	3.566	34.864	293.0	3.505
900.0	3.625	34.875	290.3	3.560
950.0	3.689	34.887	287.4	3.619
1000.0	3.612	34.873	288.5	3.538
1050.0	3.558	34.870	290.9	3.481
1100.0	3.575	34.874	289.7	3.494
1150.0	3.589	34.879	288.6	3.503
1200.0	3.591	34.883	287.7	3.502
1250.0	3.695	34.905	280.2	3.600
1300.0	3.754	34.922	275.8	3.654
1350.0	3.724	34.926	274.5	3.620
1400.0	3.683	34.927	274.1	3.575
1450.0	3.651	34.927	273.5	3.540
1500.0	3.602	34.927	273.5	3.486
1550.0	3.562	34.927	273.7	3.443
1600.0	3.511	34.925	273.9	3.387
1650.0	3.463	34.925	274.2	3.336
1700.0	3.405	34.923	274.7	3.274
1750.0	3.369	34.922	275.0	3.234
1800.0	3.320	34.921	275.3	3.181
1850.0	3.282	34.922	275.6	3.139
1900.0	3.224	34.921	276.1	3.077
1950.0	3.186	34.921	276.3	3.035
2000.0	3.140	34.921	276.7	2.986
2050.0	3.101	34.922	277.3	2.942
2100.0	3.065	34.922	277.6	2.903
2150.0	3.008	34.923	277.3	2.842
2200.0	2.958	34.923	277.9	2.788
2250.0	2.924	34.924	277.5	2.749
2300.0	2.876	34.924	277.8	2.697
2350.0	2.829	34.926	277.6	2.647
2400.0	2.785	34.927	277.6	2.599
2450.0	2.746	34.926	278.2	2.556
2500.0	2.697	34.925	278.9	2.503
2550.0	2.633	34.921	280.9	2.435
2600.0	2.544	34.920	280.7	2.343
2650.0	2.401	34.909	287.3	2.198
2700.0	2.357	34.914	283.7	2.150
2750.0	2.207	34.910	288.7	1.998
2800.0	2.015	34.906	291.5	1.806
2850.0	1.759	34.891	301.1	1.550
2900.0	1.752	34.893	301.4	1.538
2934.0	1.703	34.897	301.2	1.487


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 136

Profile : 137	Cruise : GEOVIDE (Classic)
Station : 68	Cast : 1
Date : 21/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3585 m	Organism : CNRS - IFREMER
Position : N 56 55.02 W 047 25.39	

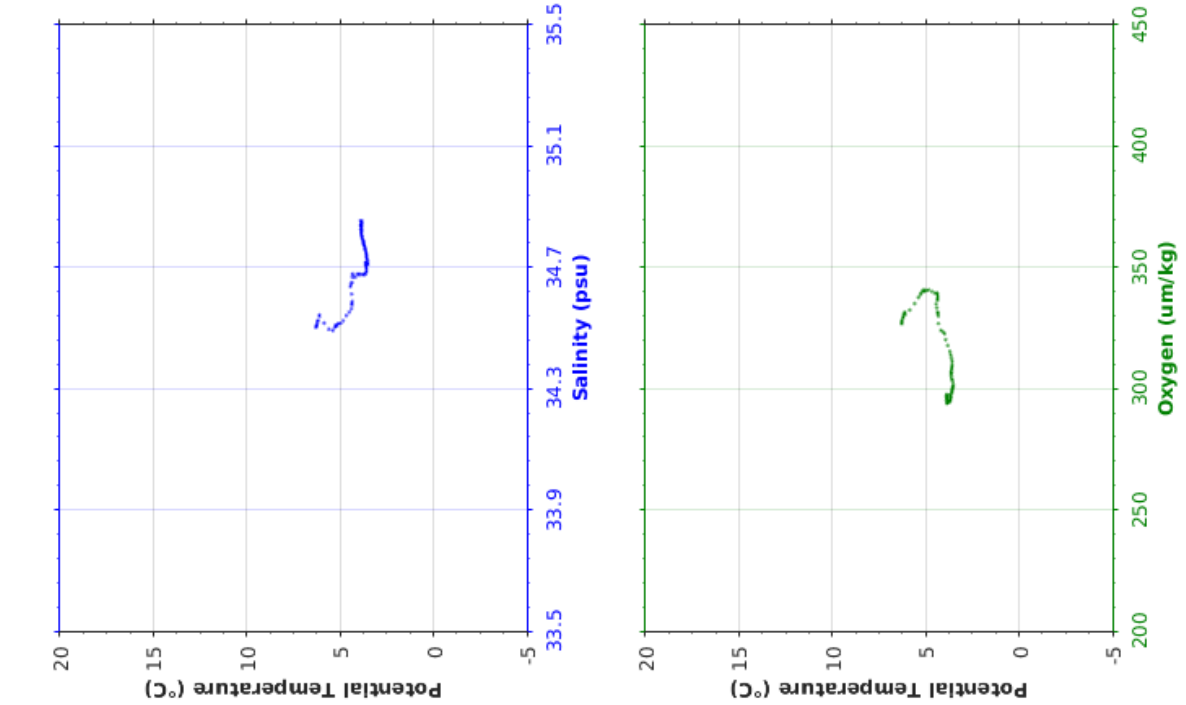
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.231	34.514	328.4	6.231	3050.0	2.691	34.923	279.2	2.442
10.0	6.220	34.518	329.0	6.219	3100.0	2.651	34.922	279.3	2.397
20.0	6.079	34.548	334.4	6.077	3150.0	2.580	34.919	280.5	2.323
30.0	5.206	34.509	340.3	5.204	3200.0	2.544	34.917	280.6	2.282
40.0	4.380	34.680	331.3	4.377	3250.0	2.470	34.914	282.2	2.205
50.0	3.576	34.691	308.0	3.573	3300.0	2.421	34.912	281.5	2.152
100.0	3.899	34.812	294.7	3.892	3350.0	2.365	34.910	283.0	2.092
150.0	3.876	34.835	297.1	3.865	3400.0	2.310	34.909	284.4	2.033
200.0	3.912	34.858	296.4	3.898	3450.0	2.216	34.907	289.1	1.936
250.0	3.830	34.858	295.4	3.812	3500.0	2.108	34.907	292.4	1.826
300.0	3.850	34.873	293.3	3.830	3550.0	1.993	34.905	293.7	1.708
350.0	3.777	34.874	293.1	3.753	3600.0	1.768	34.905	298.9	1.484
400.0	3.773	34.877	296.7	3.745	3640.0	1.593	34.906	301.9	1.309
450.0	3.691	34.870	295.2	3.660					
500.0	3.595	34.860	295.6	3.561					
550.0	3.540	34.855	296.7	3.502					
600.0	3.528	34.855	297.1	3.487					
650.0	3.518	34.855	296.7	3.473					
700.0	3.492	34.852	297.3	3.443					
750.0	3.507	34.855	295.9	3.454					
800.0	3.484	34.852	296.5	3.428					
850.0	3.487	34.853	296.1	3.427					
900.0	3.485	34.854	295.9	3.421					
950.0	3.486	34.855	295.4	3.417					
1000.0	3.483	34.855	295.2	3.411					
1050.0	3.495	34.857	294.4	3.418					
1100.0	3.481	34.856	294.9	3.401					
1150.0	3.481	34.857	294.9	3.396					
1200.0	3.488	34.858	294.8	3.400					
1250.0	3.508	34.862	293.7	3.415					
1300.0	3.529	34.866	292.3	3.432					
1350.0	3.541	34.869	291.5	3.439					
1400.0	3.538	34.870	291.6	3.432					
1450.0	3.538	34.870	291.2	3.428					
1500.0	3.606	34.885	287.0	3.491					
1550.0	3.679	34.900	282.4	3.558					
1600.0	3.726	34.912	277.9	3.600					
1650.0	3.743	34.922	274.4	3.612					
1700.0	3.717	34.924	273.7	3.582					
1750.0	3.689	34.925	273.5	3.550					
1800.0	3.654	34.926	273.5	3.510					
1850.0	3.613	34.926	273.6	3.465					
1900.0	3.564	34.924	273.5	3.413					
1950.0	3.516	34.923	273.8	3.360					
2000.0	3.487	34.924	274.7	3.327					
2050.0	3.433	34.921	274.7	3.270					
2100.0	3.386	34.921	274.7	3.219					
2150.0	3.346	34.920	275.0	3.174					
2200.0	3.302	34.920	275.3	3.126					
2250.0	3.256	34.920	275.6	3.076					
2300.0	3.226	34.920	275.9	3.042					
2350.0	3.186	34.921	276.1	2.998					
2400.0	3.156	34.921	276.2	2.964					
2450.0	3.115	34.921	276.5	2.918					
2500.0	3.085	34.922	276.7	2.884					
2550.0	3.049	34.923	276.7	2.843					
2600.0	3.016	34.924	276.7	2.806					
2650.0	2.991	34.925	276.8	2.776					
2700.0	2.957	34.926	276.9	2.738					
2750.0	2.943	34.928	276.8	2.719					
2800.0	2.907	34.928	276.8	2.679					
2850.0	2.858	34.927	277.4	2.626					
2900.0	2.822	34.927	277.8	2.585					
2950.0	2.796	34.929	277.3	2.555					
3000.0	2.741	34.925	278.8	2.496					

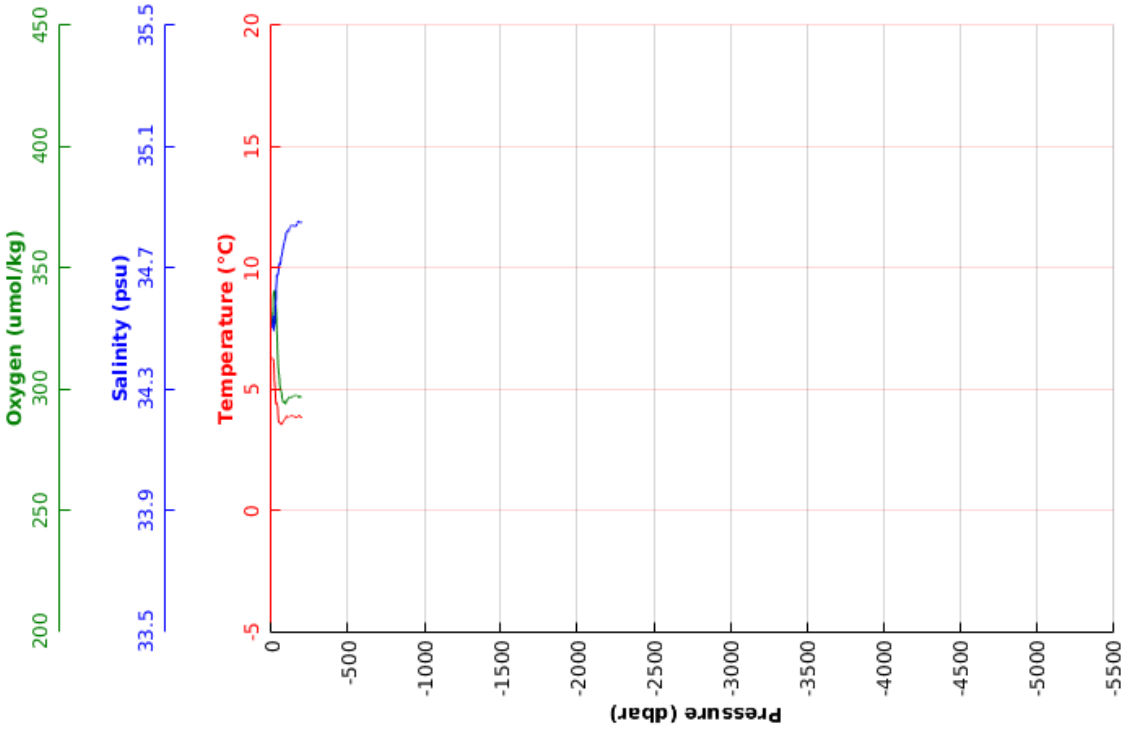

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 137

Profile	: 138	Cruise	: GEOVIDE (Classic)
Station	: 68	Cast	: 3
Date	: 21/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3585 m	Organism	: CNRS - IFREMER
Position	: N 56 54.79 W 047 25.14		

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.275	34.505	326.8	6.275
10.0	6.259	34.508	327.9	6.258
20.0	5.284	34.503	338.8	5.282
30.0	4.367	34.577	339.1	4.365
40.0	4.321	34.678	326.9	4.318
50.0	3.590	34.692	309.9	3.587
100.0	3.882	34.817	294.2	3.875
150.0	3.870	34.839	297.0	3.860
200.0	3.854	34.852	296.6	3.840

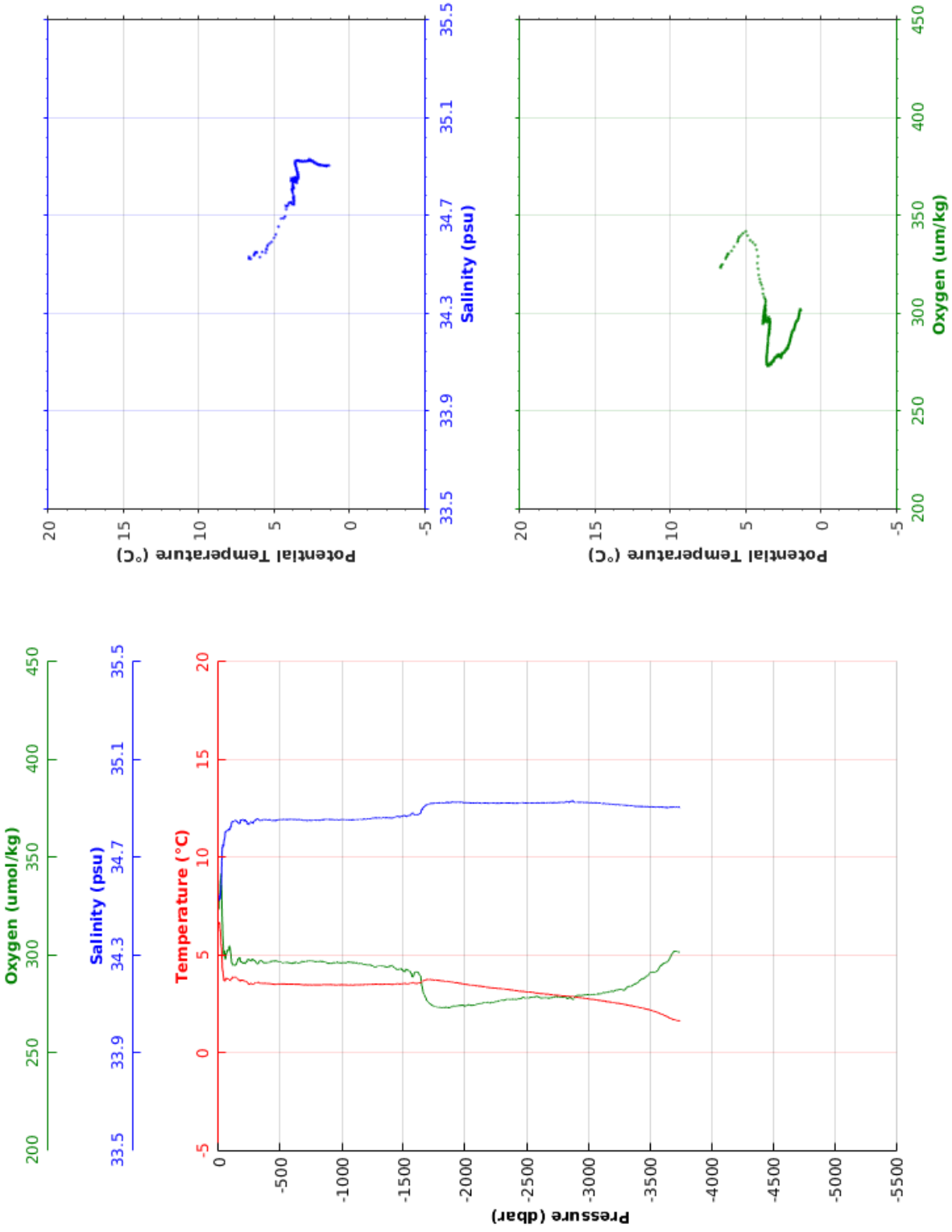

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 138

Profile	: 139	Cruise	: GEOVIDE (Classic)
Station	: 69	Cast	: 1
Date	: 22/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3688 m	Organism	: CNRS - IFREMER
Position	: N 55 50.51 W 048 5.59		

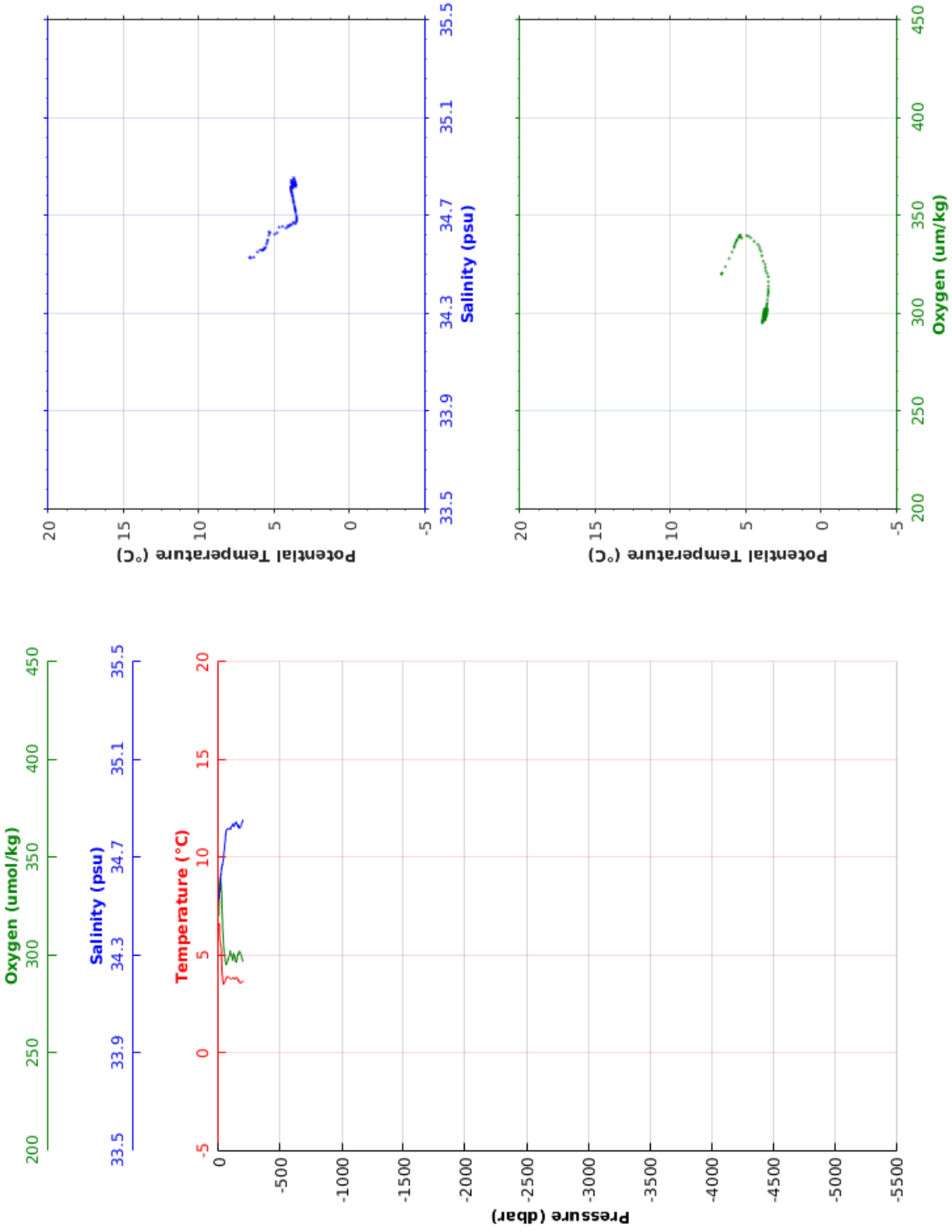
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.596	34.525	324.6	6.596	3050.0	2.711	34.923	279.8	2.461
10.0	6.324	34.538	327.8	6.323	3100.0	2.670	34.921	280.1	2.416
20.0	5.515	34.562	337.0	5.513	3150.0	2.611	34.919	280.8	2.353
30.0	4.358	34.688	335.0	4.356	3200.0	2.559	34.917	281.5	2.297
40.0	3.838	34.754	309.8	3.835	3250.0	2.510	34.915	282.2	2.244
50.0	3.701	34.773	299.6	3.698	3300.0	2.457	34.913	282.0	2.187
100.0	3.740	34.823	302.8	3.733	3350.0	2.390	34.911	283.9	2.116
150.0	3.801	34.846	295.5	3.790	3400.0	2.327	34.908	285.7	2.049
200.0	3.697	34.853	295.9	3.683	3450.0	2.259	34.907	287.9	1.978
250.0	3.500	34.836	297.7	3.483	3500.0	2.170	34.906	290.5	1.885
300.0	3.566	34.852	296.8	3.546	3550.0	2.085	34.906	291.1	1.798
350.0	3.536	34.851	296.9	3.513	3600.0	1.963	34.905	294.9	1.673
400.0	3.527	34.853	296.1	3.500	3650.0	1.812	34.904	296.7	1.521
450.0	3.491	34.850	296.9	3.461	3700.0	1.673	34.905	301.8	1.381
500.0	3.508	34.854	296.4	3.473	3747.0	1.632	34.905	301.5	1.335
550.0	3.505	34.854	296.2	3.467					
600.0	3.501	34.855	295.7	3.460					
650.0	3.493	34.855	295.9	3.448					
700.0	3.464	34.851	296.7	3.415					
750.0	3.459	34.851	297.0	3.406					
800.0	3.462	34.852	296.5	3.406					
850.0	3.476	34.854	296.8	3.415					
900.0	3.471	34.854	295.8	3.407					
950.0	3.463	34.853	296.0	3.395					
1000.0	3.464	34.854	296.0	3.392					
1050.0	3.455	34.853	296.1	3.379					
1100.0	3.457	34.853	295.9	3.377					
1150.0	3.466	34.855	295.6	3.382					
1200.0	3.473	34.856	294.9	3.384					
1250.0	3.494	34.860	294.5	3.401					
1300.0	3.497	34.861	294.2	3.400					
1350.0	3.494	34.861	294.1	3.393					
1400.0	3.490	34.861	294.3	3.385					
1450.0	3.517	34.866	292.8	3.406					
1500.0	3.528	34.868	292.2	3.413					
1550.0	3.529	34.870	292.0	3.410					
1600.0	3.539	34.874	291.1	3.416					
1650.0	3.633	34.892	286.7	3.504					
1700.0	3.734	34.915	276.2	3.599					
1750.0	3.716	34.921	273.8	3.577					
1800.0	3.683	34.923	273.1	3.539					
1850.0	3.653	34.925	273.3	3.505					
1900.0	3.607	34.926	273.6	3.455					
1950.0	3.551	34.925	273.9	3.395					
2000.0	3.494	34.923	274.0	3.334					
2050.0	3.458	34.922	274.0	3.294					
2100.0	3.418	34.923	274.7	3.249					
2150.0	3.377	34.923	275.5	3.204					
2200.0	3.324	34.921	275.4	3.148					
2250.0	3.293	34.921	275.9	3.112					
2300.0	3.263	34.922	276.7	3.078					
2350.0	3.225	34.922	277.2	3.036					
2400.0	3.185	34.922	277.3	2.992					
2450.0	3.140	34.922	277.6	2.942					
2500.0	3.111	34.922	277.9	2.909					
2550.0	3.077	34.922	278.4	2.870					
2600.0	3.029	34.922	278.4	2.819					
2650.0	2.997	34.923	277.9	2.782					
2700.0	2.964	34.923	278.1	2.745					
2750.0	2.927	34.924	278.6	2.704					
2800.0	2.901	34.925	278.4	2.673					
2850.0	2.861	34.925	278.5	2.629					
2900.0	2.832	34.925	278.6	2.595					
2950.0	2.796	34.925	279.2	2.555					
3000.0	2.751	34.924	279.6	2.505					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 139

Profile	: 140	Cruise	: GEOVIDE (Classic)
Station	: 69	Cast	: 3
Date	: 22/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3688 m	Organism	: CNRS - IFREMER
Position	: N 55 50.50 W 048 5.59		

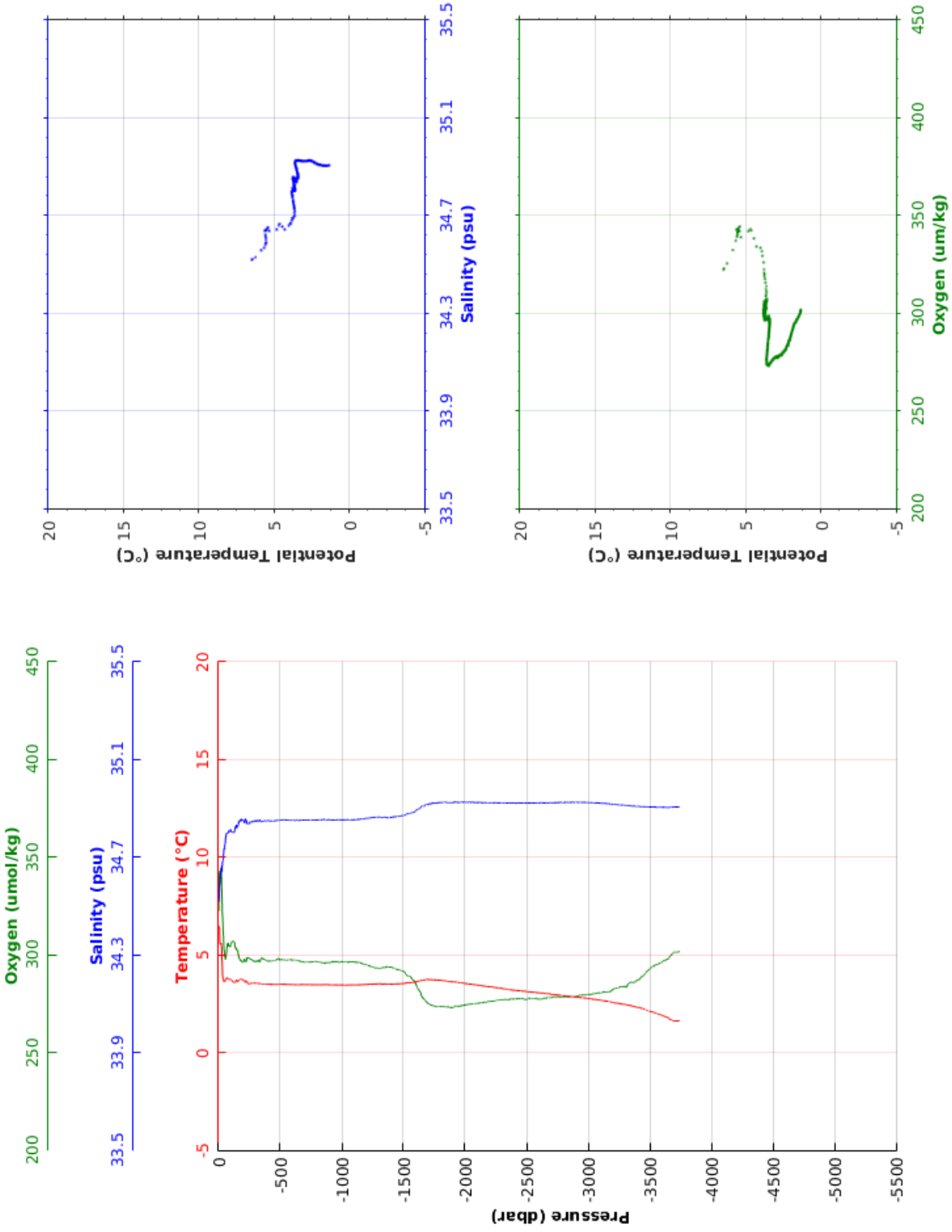
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.609	34.528	320.0	6.609
10.0	5.898	34.559	331.3	5.898
20.0	5.341	34.619	340.0	5.340
30.0	3.967	34.657	331.7	3.965
40.0	3.489	34.686	312.3	3.487
50.0	3.612	34.731	302.4	3.609
100.0	3.740	34.813	302.2	3.733
150.0	3.801	34.838	296.6	3.791
200.0	3.679	34.852	297.4	3.665
202.0	3.689	34.852	296.6	3.676


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 140

Profile	: 141	Cruise	: GEOVIDE (Classic)
Station	: 69	Cast	: 5
Date	: 22/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3686 m	Organism	: CNRS - IFREMER
Position	: N 55 50.50 W 048 5.59		

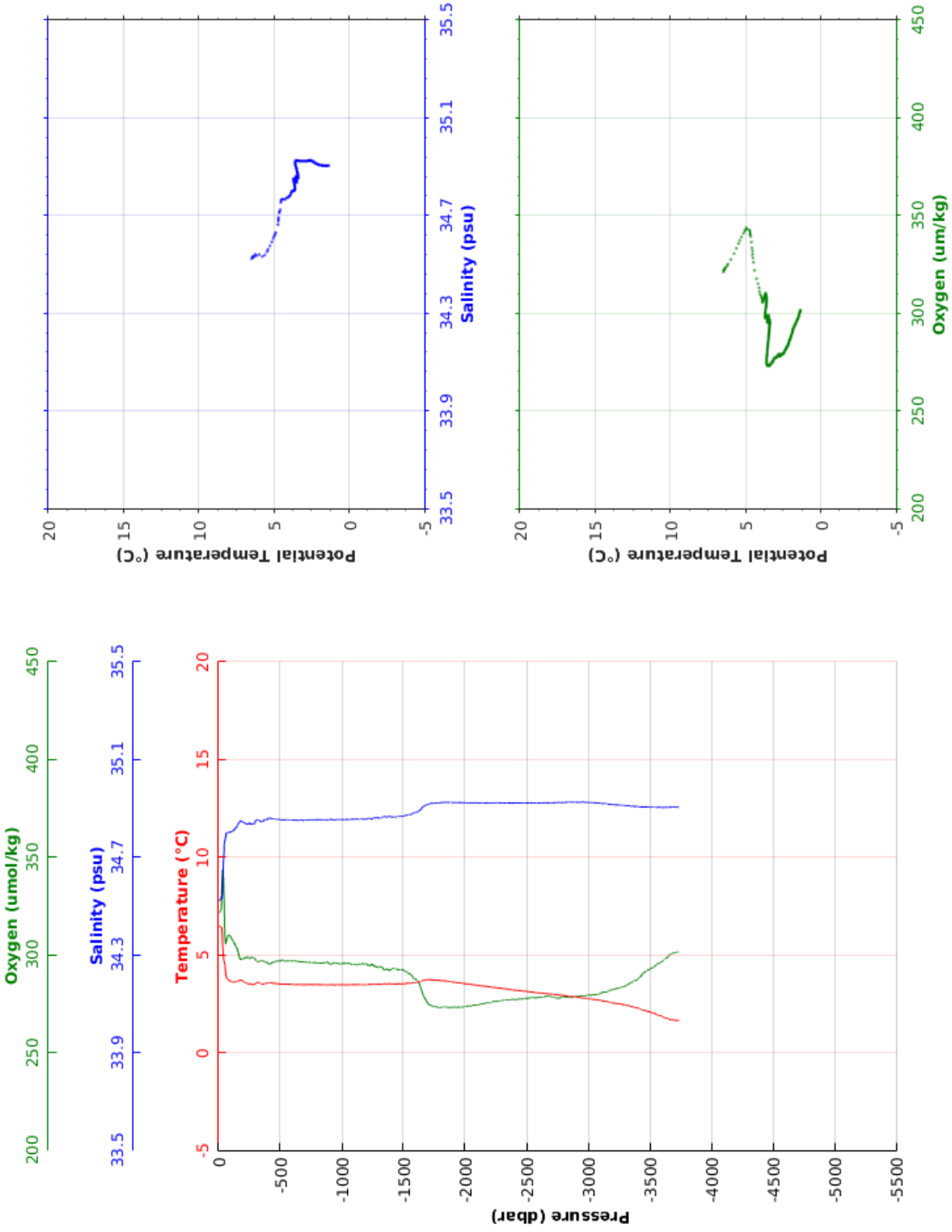
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.465	34.519	322.4	6.465	3050.0	2.721	34.923	279.9	2.471
10.0	5.642	34.568	337.1	5.641	3100.0	2.678	34.922	280.5	2.424
20.0	5.581	34.640	342.9	5.579	3150.0	2.629	34.920	280.8	2.371
30.0	4.447	34.654	338.2	4.445	3200.0	2.561	34.917	282.1	2.299
40.0	3.711	34.691	317.5	3.708	3250.0	2.513	34.915	283.3	2.247
50.0	3.660	34.736	303.0	3.656	3300.0	2.460	34.913	283.9	2.190
100.0	3.760	34.813	304.0	3.754	3350.0	2.393	34.911	285.9	2.119
150.0	3.643	34.819	303.0	3.633	3400.0	2.320	34.909	287.0	2.042
200.0	3.711	34.853	296.4	3.697	3450.0	2.244	34.907	289.3	1.963
250.0	3.507	34.837	298.5	3.491	3500.0	2.109	34.905	292.5	1.826
300.0	3.547	34.847	296.7	3.527	3550.0	2.014	34.905	294.8	1.729
350.0	3.496	34.845	298.2	3.473	3600.0	1.903	34.905	296.3	1.615
400.0	3.502	34.849	297.0	3.475	3650.0	1.786	34.904	297.8	1.496
450.0	3.482	34.849	296.9	3.452	3700.0	1.621	34.906	301.3	1.329
500.0	3.494	34.852	297.6	3.460	3745.0	1.626	34.906	301.6	1.330
550.0	3.484	34.852	297.5	3.446					
600.0	3.474	34.851	297.5	3.432					
650.0	3.468	34.851	297.3	3.422					
700.0	3.475	34.852	296.3	3.426					
750.0	3.470	34.852	296.2	3.417					
800.0	3.468	34.852	296.6	3.411					
850.0	3.471	34.854	296.0	3.411					
900.0	3.470	34.854	296.1	3.406					
950.0	3.456	34.852	296.5	3.388					
1000.0	3.455	34.852	296.5	3.383					
1050.0	3.458	34.853	296.3	3.382					
1100.0	3.458	34.853	296.4	3.378					
1150.0	3.467	34.855	296.0	3.383					
1200.0	3.487	34.859	295.0	3.398					
1250.0	3.504	34.862	294.0	3.411					
1300.0	3.518	34.865	293.1	3.421					
1350.0	3.511	34.864	293.3	3.409					
1400.0	3.502	34.863	293.8	3.397					
1450.0	3.519	34.867	292.8	3.409					
1500.0	3.535	34.870	291.7	3.420					
1550.0	3.576	34.879	289.1	3.456					
1600.0	3.620	34.889	285.9	3.496					
1650.0	3.703	34.907	279.6	3.572					
1700.0	3.734	34.918	275.4	3.599					
1750.0	3.723	34.922	273.8	3.583					
1800.0	3.697	34.924	273.7	3.553					
1850.0	3.660	34.925	273.4	3.512					
1900.0	3.619	34.923	273.0	3.467					
1950.0	3.578	34.924	273.7	3.422					
2000.0	3.539	34.926	274.3	3.379					
2050.0	3.497	34.925	274.6	3.332					
2100.0	3.456	34.924	275.2	3.287					
2150.0	3.409	34.924	275.6	3.237					
2200.0	3.368	34.923	275.9	3.191					
2250.0	3.326	34.923	276.5	3.145					
2300.0	3.284	34.923	277.0	3.098					
2350.0	3.233	34.922	277.1	3.044					
2400.0	3.191	34.922	277.4	2.997					
2450.0	3.156	34.922	277.6	2.958					
2500.0	3.125	34.922	277.2	2.923					
2550.0	3.090	34.922	277.7	2.884					
2600.0	3.059	34.922	277.2	2.848					
2650.0	3.023	34.923	277.9	2.808					
2700.0	2.981	34.923	278.2	2.761					
2750.0	2.948	34.924	278.6	2.724					
2800.0	2.909	34.924	278.7	2.681					
2850.0	2.878	34.925	278.5	2.645					
2900.0	2.838	34.925	278.5	2.601					
2950.0	2.802	34.925	279.3	2.561					
3000.0	2.775	34.924	279.6	2.529					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 141

Profile : 142	Cruise : GEOVIDE (Classic)
Station : 69	Cast : 7
Date : 22/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3678 m	Organism : CNRS - IFREMER
Position : N 55 50.47 W 048 5.61	

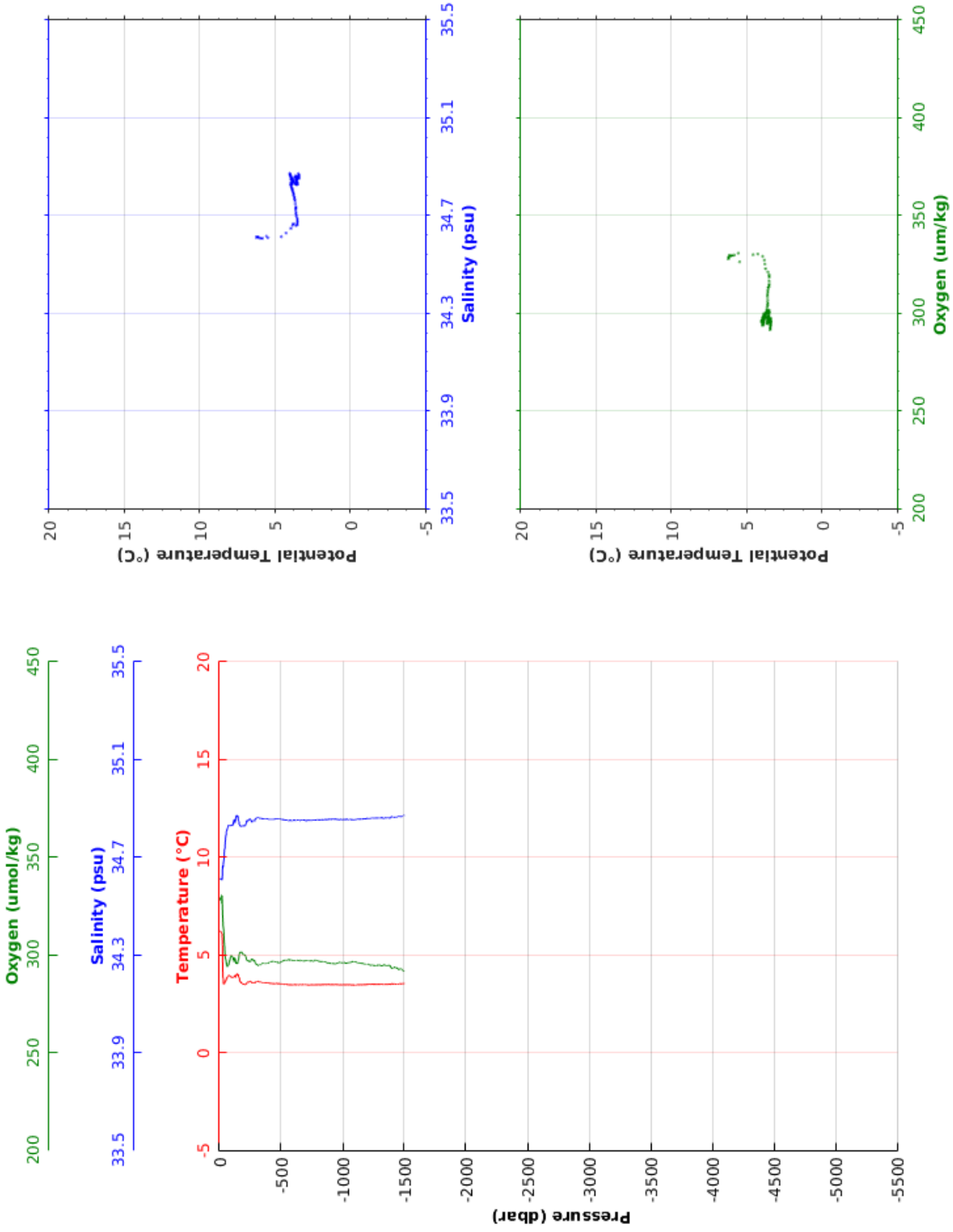
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.464	34.523	321.1	6.464	3050.0	2.716	34.923	279.6	2.466
10.0	6.460	34.524	321.5	6.459	3100.0	2.666	34.921	280.3	2.412
20.0	6.429	34.528	322.2	6.428	3150.0	2.610	34.919	281.1	2.352
30.0	5.985	34.540	327.5	5.982	3200.0	2.537	34.916	282.2	2.275
40.0	4.888	34.630	342.9	4.885	3250.0	2.495	34.914	283.0	2.229
50.0	4.543	34.755	329.9	4.540	3300.0	2.426	34.912	283.9	2.157
100.0	3.649	34.803	309.6	3.642	3350.0	2.358	34.910	285.9	2.086
150.0	3.633	34.824	304.2	3.623	3400.0	2.285	34.908	287.4	2.009
200.0	3.656	34.845	297.9	3.642	3450.0	2.161	34.906	290.7	1.883
250.0	3.530	34.840	298.5	3.514	3500.0	2.086	34.905	292.6	1.804
300.0	3.514	34.845	298.1	3.494	3550.0	1.975	34.905	294.4	1.691
350.0	3.500	34.845	297.1	3.477	3600.0	1.847	34.904	296.5	1.560
400.0	3.555	34.856	296.3	3.528	3650.0	1.733	34.904	298.9	1.444
450.0	3.544	34.857	296.3	3.513	3700.0	1.651	34.905	301.2	1.359
500.0	3.511	34.855	296.8	3.477	3738.0	1.643	34.906	301.4	1.347
550.0	3.500	34.854	296.8	3.462					
600.0	3.487	34.853	297.0	3.446					
650.0	3.475	34.852	296.8	3.430					
700.0	3.471	34.852	296.3	3.422					
750.0	3.475	34.853	296.2	3.423					
800.0	3.475	34.854	295.9	3.418					
850.0	3.471	34.854	295.9	3.411					
900.0	3.471	34.854	295.7	3.407					
950.0	3.459	34.853	296.0	3.391					
1000.0	3.468	34.855	295.3	3.396					
1050.0	3.466	34.855	295.5	3.390					
1100.0	3.472	34.856	295.2	3.392					
1150.0	3.467	34.855	295.4	3.383					
1200.0	3.469	34.856	295.5	3.381					
1250.0	3.474	34.857	295.4	3.381					
1300.0	3.496	34.861	293.8	3.399					
1350.0	3.523	34.866	292.3	3.422					
1400.0	3.516	34.866	292.3	3.411					
1450.0	3.513	34.866	292.8	3.403					
1500.0	3.517	34.867	292.5	3.403					
1550.0	3.551	34.874	290.5	3.432					
1600.0	3.584	34.882	288.0	3.460					
1650.0	3.667	34.900	282.3	3.538					
1700.0	3.730	34.917	275.6	3.595					
1750.0	3.717	34.922	273.6	3.577					
1800.0	3.685	34.922	272.9	3.541					
1850.0	3.657	34.925	273.4	3.509					
1900.0	3.608	34.923	273.2	3.456					
1950.0	3.565	34.924	273.4	3.409					
2000.0	3.524	34.923	273.5	3.364					
2050.0	3.489	34.923	274.0	3.324					
2100.0	3.446	34.923	274.2	3.278					
2150.0	3.397	34.922	275.1	3.225					
2200.0	3.361	34.922	275.4	3.184					
2250.0	3.319	34.923	276.1	3.138					
2300.0	3.286	34.923	276.5	3.101					
2350.0	3.243	34.922	277.0	3.053					
2400.0	3.199	34.922	277.1	3.006					
2450.0	3.168	34.922	277.5	2.970					
2500.0	3.127	34.922	277.7	2.925					
2550.0	3.091	34.922	278.0	2.885					
2600.0	3.047	34.922	278.3	2.836					
2650.0	3.024	34.922	278.5	2.809					
2700.0	2.993	34.923	278.6	2.773					
2750.0	2.952	34.924	277.8	2.728					
2800.0	2.922	34.925	278.7	2.694					
2850.0	2.880	34.925	278.6	2.648					
2900.0	2.849	34.925	278.6	2.612					
2950.0	2.799	34.925	279.0	2.558					
3000.0	2.752	34.924	279.3	2.507					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 142

Profile : 143	Cruise : GEOVIDE (Classic)
Station : 69	Cast : 9
Date : 23/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3678 m	Organism : CNRS - IFREMER
Position : N 55 50.47 W 048 5.60	

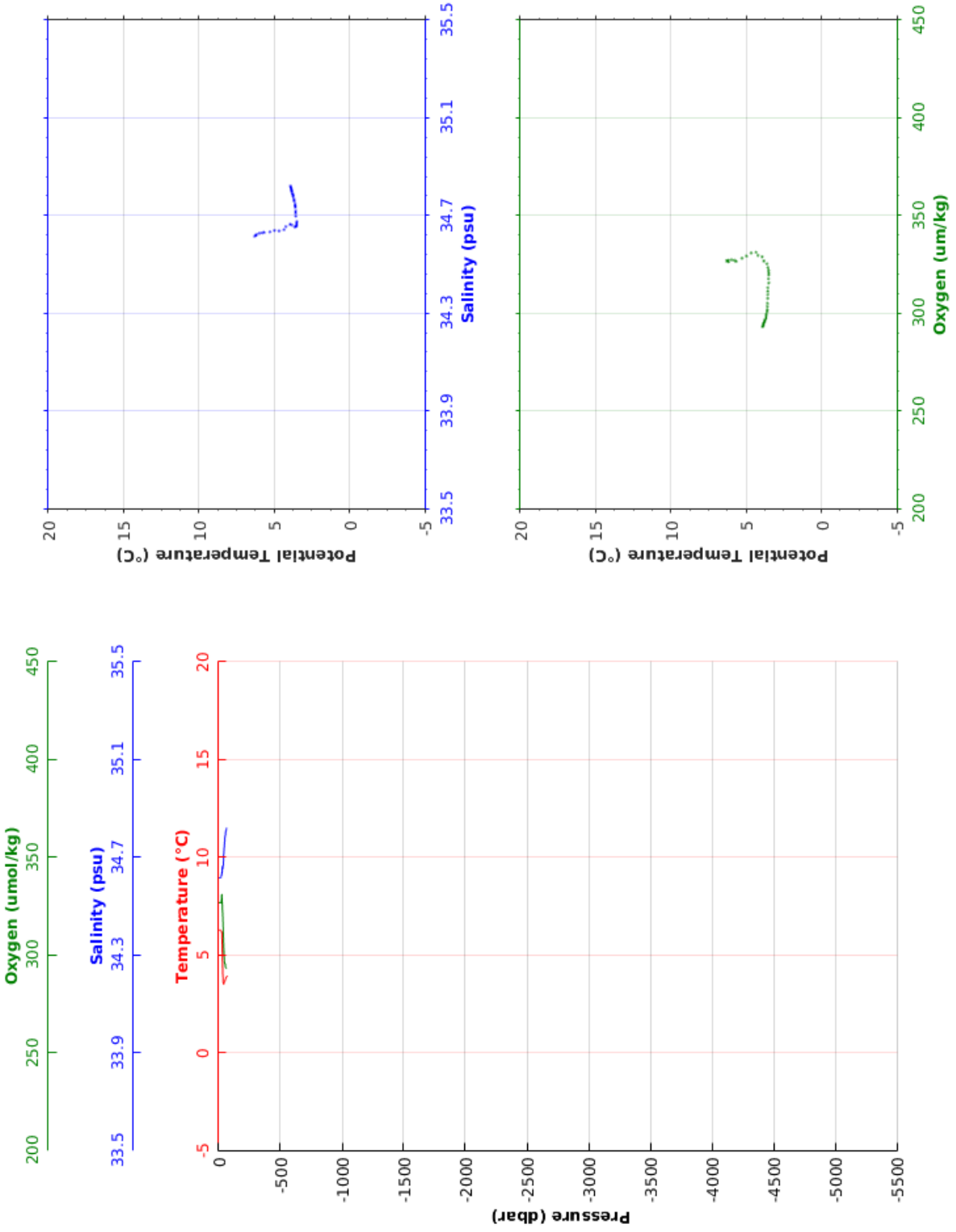
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.220	34.611	328.3	6.220
10.0	6.215	34.611	328.1	6.214
20.0	6.098	34.611	329.1	6.096
30.0	3.781	34.666	325.1	3.779
40.0	3.559	34.696	313.0	3.556
50.0	3.661	34.760	301.6	3.657
100.0	3.853	34.829	299.4	3.846
150.0	3.990	34.865	295.9	3.980
200.0	3.497	34.829	300.1	3.483
250.0	3.638	34.856	296.5	3.621
300.0	3.638	34.861	295.4	3.617
350.0	3.587	34.858	295.7	3.564
400.0	3.553	34.857	295.9	3.526
450.0	3.529	34.856	296.6	3.499
500.0	3.515	34.856	296.2	3.481
550.0	3.484	34.852	297.4	3.446
600.0	3.471	34.851	297.2	3.429
650.0	3.471	34.852	297.1	3.426
700.0	3.464	34.851	297.0	3.415
750.0	3.463	34.852	297.0	3.411
800.0	3.469	34.853	297.1	3.412
850.0	3.474	34.854	296.6	3.413
900.0	3.480	34.856	295.7	3.416
950.0	3.480	34.856	295.5	3.411
1000.0	3.467	34.855	295.9	3.395
1050.0	3.465	34.855	296.1	3.389
1100.0	3.456	34.854	296.6	3.376
1150.0	3.469	34.856	295.9	3.385
1200.0	3.481	34.858	295.3	3.393
1250.0	3.492	34.860	294.6	3.399
1300.0	3.491	34.861	294.7	3.394
1350.0	3.492	34.861	294.7	3.391
1400.0	3.518	34.866	293.2	3.413
1450.0	3.512	34.866	293.2	3.402
1500.0	3.540	34.871	291.5	3.425
1503.0	3.538	34.870	291.8	3.423


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 143

Profile	: 144	Cruise	: GEOVIDE (Classic)
Station	: 69	Cast	: 11
Date	: 23/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3678 m	Organism	: CNRS - IFREMER
Position	: N 55 50.38 W 048 5.60		

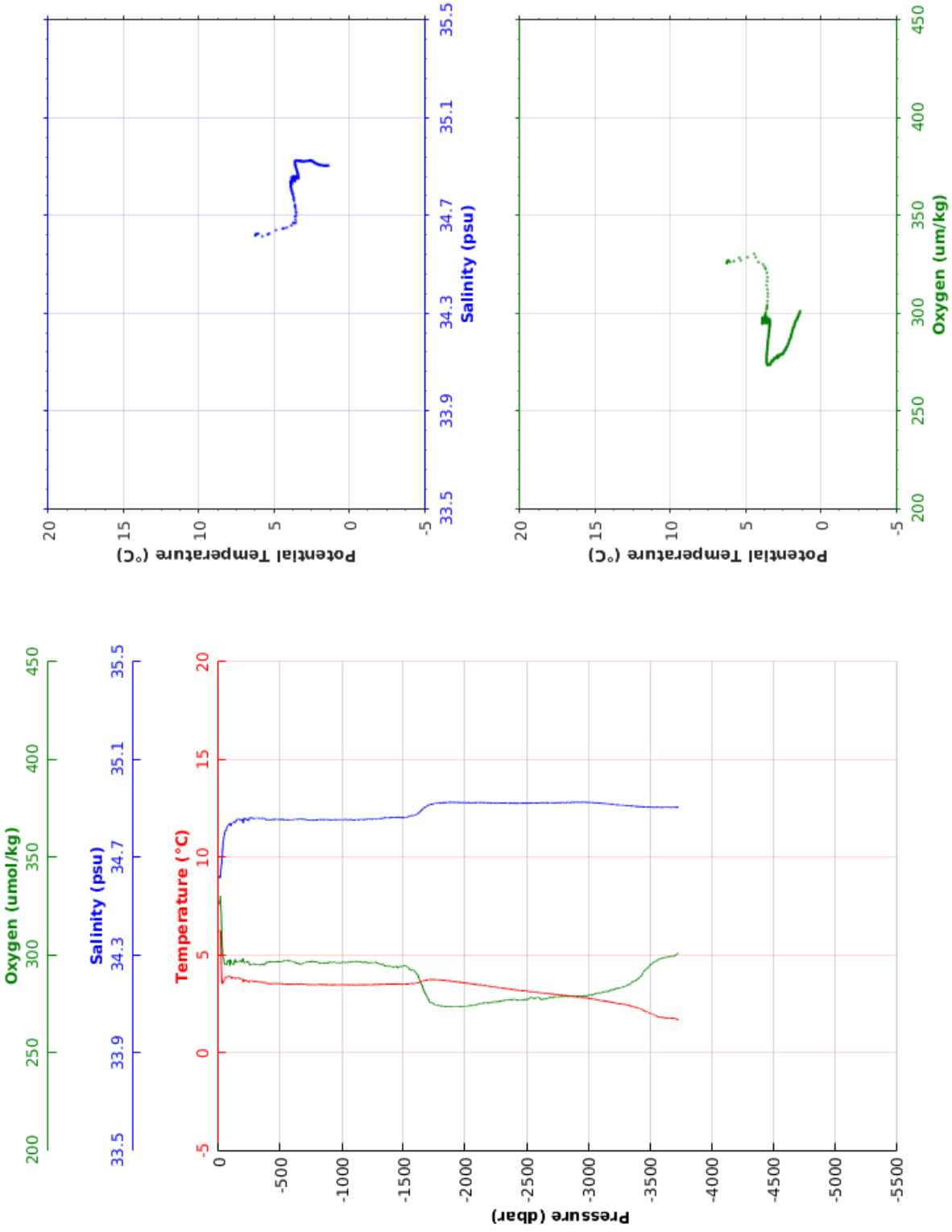
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.275	34.616	326.9	6.275
10.0	6.279	34.616	326.7	6.278
20.0	6.240	34.617	326.6	6.238
30.0	4.669	34.637	330.8	4.667
40.0	3.522	34.667	317.6	3.520
50.0	3.658	34.758	299.4	3.654
72.0	3.915	34.819	293.2	3.910


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 144

Profile : 145	Cruise : GEOVIDE (Classic)
Station : 69	Cast : 13
Date : 23/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3678 m	Organism : CNRS - IFREMER
Position : N 55 50.48 W 048 5.57	

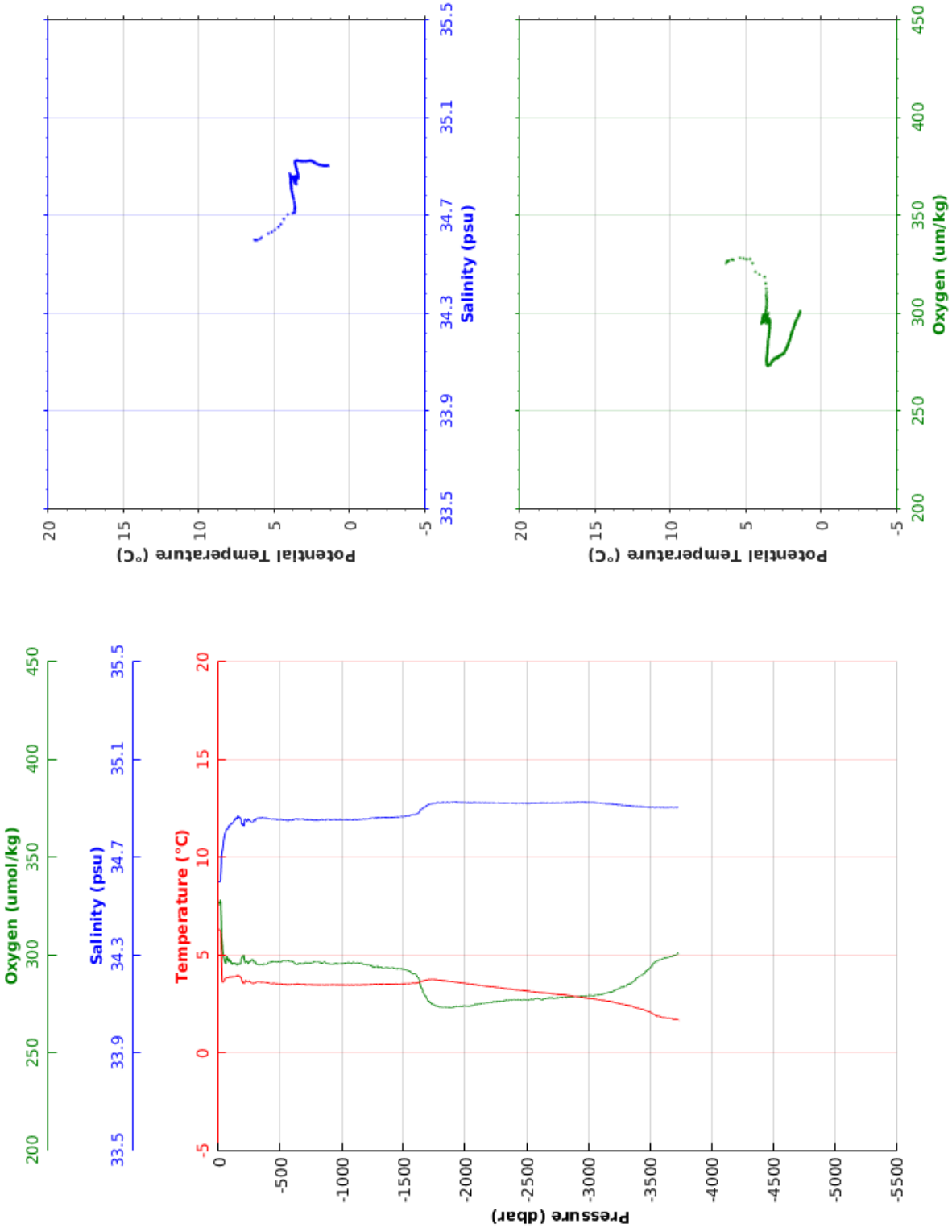
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.235	34.617	325.6	6.235	3050.0	2.728	34.923	279.7	2.478
10.0	6.222	34.620	326.5	6.221	3100.0	2.666	34.921	280.5	2.412
20.0	4.866	34.640	328.6	4.865	3150.0	2.622	34.919	281.3	2.364
30.0	3.603	34.695	314.2	3.601	3200.0	2.569	34.917	282.0	2.307
40.0	3.686	34.769	299.4	3.683	3250.0	2.502	34.914	283.0	2.237
50.0	3.782	34.793	296.8	3.779	3300.0	2.453	34.913	283.7	2.183
100.0	3.817	34.831	296.2	3.810	3350.0	2.371	34.910	285.5	2.097
150.0	3.826	34.853	296.3	3.816	3400.0	2.284	34.908	287.5	2.008
200.0	3.630	34.842	297.5	3.617	3450.0	2.159	34.906	291.2	1.880
250.0	3.646	34.856	296.0	3.629	3500.0	2.029	34.905	294.3	1.748
300.0	3.624	34.859	294.9	3.604	3550.0	1.887	34.905	296.6	1.604
350.0	3.611	34.861	295.0	3.587	3600.0	1.796	34.905	298.3	1.510
400.0	3.528	34.853	296.1	3.501	3650.0	1.764	34.905	298.9	1.474
450.0	3.524	34.854	296.6	3.493	3700.0	1.743	34.904	299.3	1.449
500.0	3.522	34.856	296.4	3.488	3735.0	1.675	34.905	301.0	1.379
550.0	3.492	34.852	297.0	3.454					
600.0	3.495	34.854	296.6	3.453					
650.0	3.506	34.856	295.8	3.461					
700.0	3.497	34.856	295.9	3.448					
750.0	3.470	34.853	296.3	3.417					
800.0	3.463	34.852	296.4	3.407					
850.0	3.473	34.854	295.8	3.413					
900.0	3.464	34.853	296.0	3.399					
950.0	3.463	34.853	296.3	3.395					
1000.0	3.467	34.854	296.0	3.395					
1050.0	3.462	34.854	296.2	3.386					
1100.0	3.456	34.853	296.5	3.376					
1150.0	3.461	34.854	296.4	3.376					
1200.0	3.466	34.855	296.3	3.377					
1250.0	3.472	34.856	296.1	3.379					
1300.0	3.480	34.858	295.8	3.383					
1350.0	3.500	34.862	294.3	3.399					
1400.0	3.501	34.862	294.2	3.395					
1450.0	3.501	34.863	294.1	3.391					
1500.0	3.504	34.864	294.0	3.389					
1550.0	3.528	34.869	292.9	3.409					
1600.0	3.550	34.874	291.4	3.426					
1650.0	3.644	34.893	285.2	3.515					
1700.0	3.722	34.912	278.1	3.587					
1750.0	3.736	34.920	274.9	3.596					
1800.0	3.713	34.922	273.9	3.569					
1850.0	3.684	34.924	273.6	3.535					
1900.0	3.644	34.925	273.5	3.492					
1950.0	3.606	34.925	273.6	3.450					
2000.0	3.564	34.924	273.5	3.403					
2050.0	3.517	34.923	274.0	3.352					
2100.0	3.479	34.923	274.5	3.310					
2150.0	3.438	34.923	275.4	3.265					
2200.0	3.394	34.922	275.3	3.217					
2250.0	3.346	34.922	276.1	3.165					
2300.0	3.302	34.921	276.4	3.116					
2350.0	3.258	34.922	277.0	3.068					
2400.0	3.214	34.922	277.3	3.020					
2450.0	3.173	34.921	276.8	2.975					
2500.0	3.143	34.922	277.0	2.940					
2550.0	3.108	34.922	278.1	2.902					
2600.0	3.067	34.922	278.1	2.856					
2650.0	3.036	34.923	277.6	2.821					
2700.0	3.003	34.923	278.2	2.783					
2750.0	2.966	34.923	278.6	2.741					
2800.0	2.933	34.924	278.7	2.705					
2850.0	2.894	34.924	278.8	2.661					
2900.0	2.858	34.925	279.0	2.620					
2950.0	2.819	34.925	279.1	2.578					
3000.0	2.780	34.925	279.1	2.534					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 145

Profile : 146	Cruise : GEOVIDE (Classic)
Station : 69	Cast : 14
Date : 23/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3679 m	Organism : CNRS - IFREMER
Position : N 55 50.48 W 048 5.57	

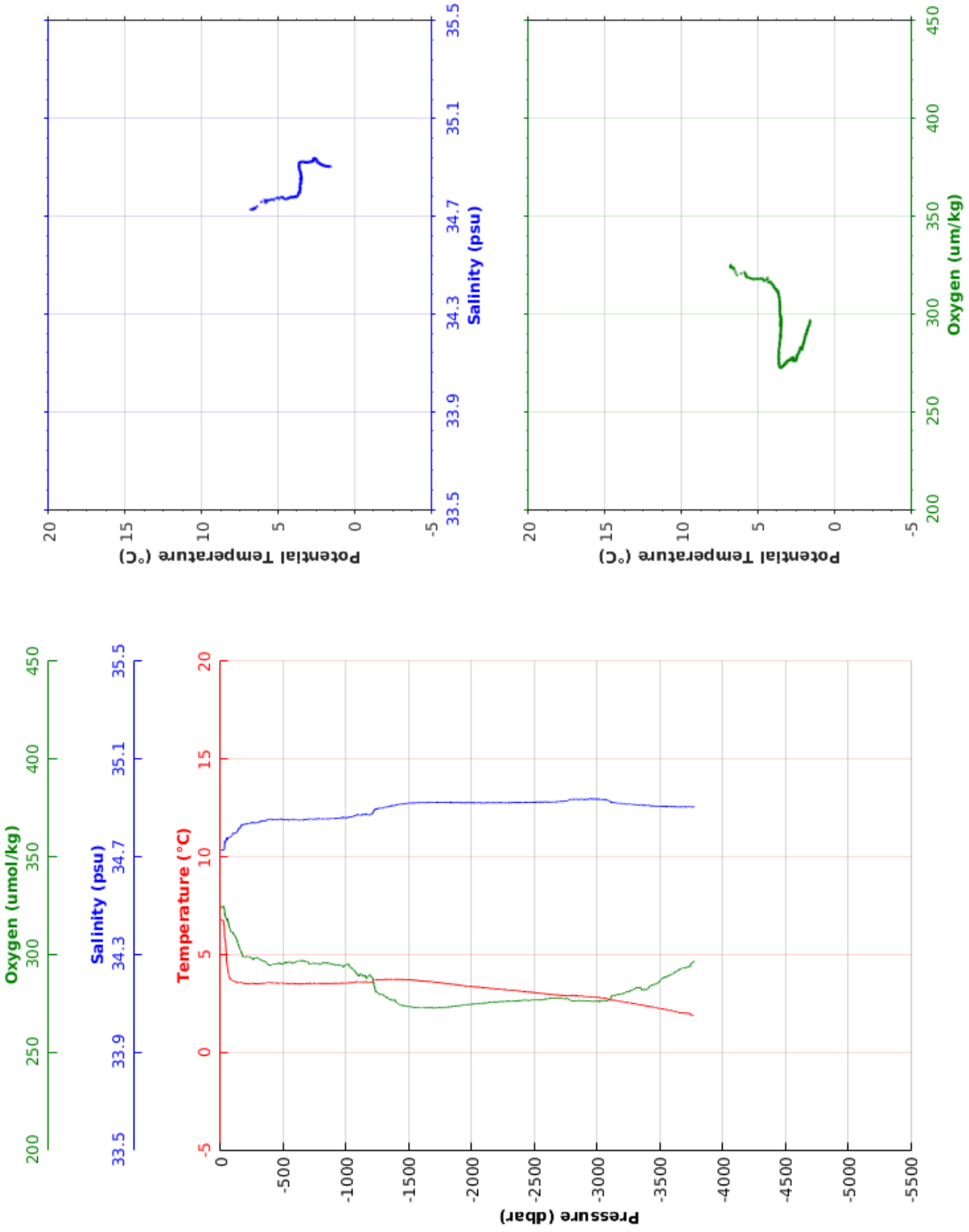
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.293	34.600	325.5	6.293	3050.0	2.744	34.924	279.1	2.493
10.0	6.263	34.600	325.9	6.262	3100.0	2.691	34.922	279.6	2.436
20.0	5.820	34.610	327.2	5.818	3150.0	2.647	34.920	280.4	2.389
30.0	3.631	34.711	312.5	3.629	3200.0	2.597	34.918	281.2	2.334
40.0	3.631	34.747	302.4	3.628	3250.0	2.511	34.915	282.5	2.245
50.0	3.755	34.785	298.2	3.751	3300.0	2.439	34.912	283.9	2.169
100.0	3.877	34.834	297.0	3.871	3350.0	2.395	34.911	285.2	2.121
150.0	3.902	34.856	295.3	3.892	3400.0	2.274	34.908	288.3	1.998
200.0	3.543	34.830	299.3	3.529	3450.0	2.204	34.907	290.1	1.925
250.0	3.612	34.850	296.1	3.595	3500.0	2.077	34.905	293.0	1.795
300.0	3.558	34.849	296.5	3.538	3550.0	1.900	34.905	296.4	1.617
350.0	3.605	34.861	295.0	3.581	3600.0	1.814	34.905	297.7	1.528
400.0	3.569	34.859	295.3	3.542	3650.0	1.763	34.904	298.7	1.473
450.0	3.532	34.856	296.6	3.501	3700.0	1.701	34.905	299.8	1.408
500.0	3.514	34.855	296.3	3.480	3737.0	1.669	34.905	301.0	1.372
550.0	3.484	34.851	296.8	3.446					
600.0	3.481	34.852	296.7	3.440					
650.0	3.502	34.856	295.4	3.457					
700.0	3.482	34.854	295.8	3.433					
750.0	3.470	34.853	295.8	3.418					
800.0	3.459	34.851	296.4	3.402					
850.0	3.465	34.853	295.7	3.405					
900.0	3.469	34.854	295.3	3.405					
950.0	3.461	34.853	295.5	3.393					
1000.0	3.459	34.853	295.6	3.387					
1050.0	3.453	34.853	296.0	3.377					
1100.0	3.453	34.853	296.1	3.373					
1150.0	3.460	34.854	295.8	3.376					
1200.0	3.473	34.856	295.1	3.384					
1250.0	3.497	34.861	294.2	3.404					
1300.0	3.505	34.862	293.6	3.408					
1350.0	3.502	34.862	293.4	3.400					
1400.0	3.498	34.862	293.4	3.393					
1450.0	3.508	34.864	293.1	3.398					
1500.0	3.514	34.866	292.9	3.400					
1550.0	3.531	34.869	291.7	3.412					
1600.0	3.551	34.875	290.2	3.427					
1650.0	3.656	34.897	283.2	3.526					
1700.0	3.724	34.913	277.3	3.589					
1750.0	3.733	34.921	274.5	3.593					
1800.0	3.697	34.923	273.4	3.553					
1850.0	3.667	34.925	273.3	3.519					
1900.0	3.631	34.925	273.0	3.478					
1950.0	3.582	34.925	273.6	3.426					
2000.0	3.543	34.924	273.8	3.383					
2050.0	3.499	34.924	273.9	3.334					
2100.0	3.460	34.924	274.6	3.291					
2150.0	3.417	34.923	275.1	3.244					
2200.0	3.379	34.923	275.7	3.202					
2250.0	3.341	34.923	276.2	3.160					
2300.0	3.299	34.922	276.3	3.113					
2350.0	3.260	34.922	276.8	3.070					
2400.0	3.222	34.922	277.1	3.028					
2450.0	3.191	34.922	277.1	2.993					
2500.0	3.154	34.922	276.9	2.951					
2550.0	3.113	34.922	277.2	2.906					
2600.0	3.077	34.922	277.7	2.866					
2650.0	3.052	34.923	277.4	2.836					
2700.0	3.019	34.923	278.0	2.799					
2750.0	2.980	34.923	278.1	2.756					
2800.0	2.952	34.924	278.1	2.723					
2850.0	2.914	34.924	278.4	2.681					
2900.0	2.869	34.925	278.6	2.631					
2950.0	2.825	34.925	278.7	2.584					
3000.0	2.781	34.925	279.3	2.535					


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 146

Profile : 147	Cruise : GEOVIDE (Classic)
Station : 70	Cast : 1
Date : 24/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3716 m	Organism : CNRS - IFREMER
Position : N 54 46.05 W 048 45.77	

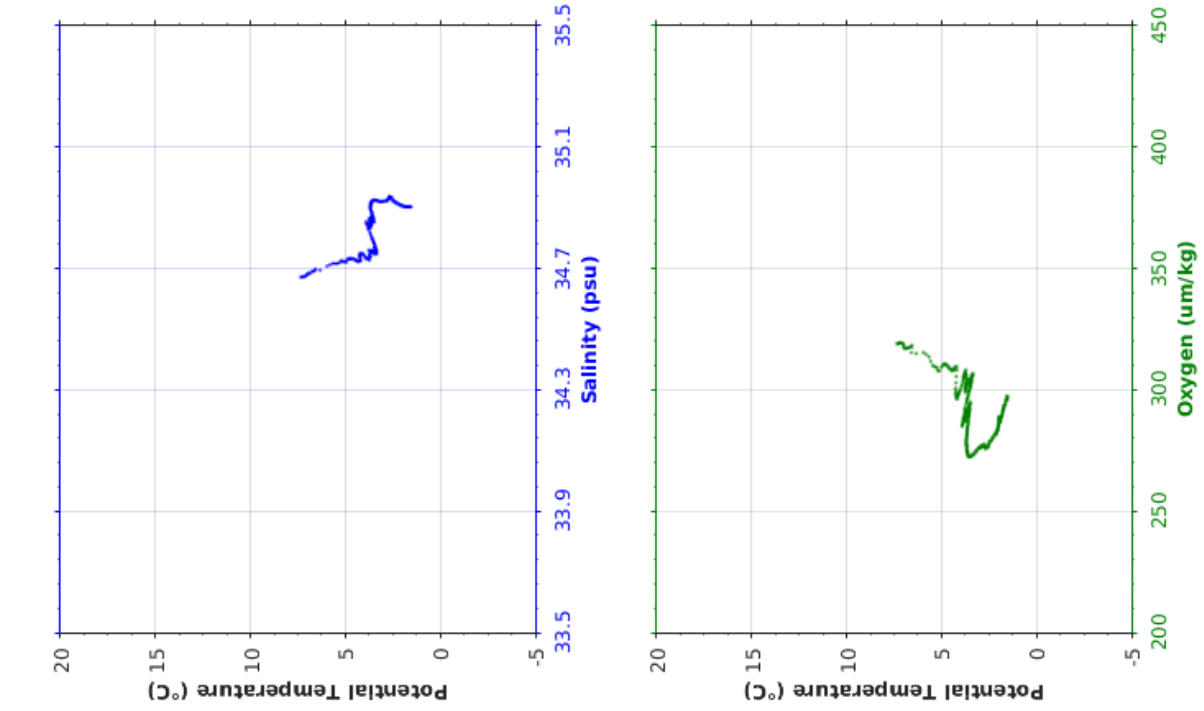
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.780	34.728	323.7	6.780	3050.0	2.769	34.935	276.4	2.518
10.0	6.782	34.728	324.7	6.781	3100.0	2.717	34.929	277.1	2.462
20.0	6.770	34.728	324.7	6.768	3150.0	2.638	34.921	279.3	2.380
30.0	6.369	34.741	319.9	6.366	3200.0	2.593	34.918	279.9	2.330
40.0	5.582	34.764	318.5	5.579	3250.0	2.539	34.916	280.9	2.272
50.0	4.610	34.772	317.0	4.606	3300.0	2.481	34.913	282.3	2.210
100.0	3.654	34.796	310.3	3.647	3350.0	2.421	34.913	282.6	2.147
150.0	3.555	34.817	302.7	3.545	3400.0	2.364	34.910	282.2	2.086
200.0	3.513	34.834	298.7	3.499	3450.0	2.310	34.908	284.5	2.028
250.0	3.522	34.841	297.7	3.506	3500.0	2.239	34.907	286.4	1.953
300.0	3.505	34.842	297.9	3.484	3550.0	2.185	34.906	288.4	1.895
350.0	3.526	34.847	296.4	3.502	3600.0	2.116	34.905	290.0	1.822
400.0	3.561	34.854	294.5	3.534	3650.0	2.032	34.904	292.2	1.736
450.0	3.535	34.853	295.4	3.504	3700.0	2.000	34.904	293.2	1.699
500.0	3.527	34.853	295.5	3.493	3750.0	1.905	34.904	295.3	1.601
550.0	3.504	34.851	296.3	3.467	3775.0	1.875	34.904	296.6	1.569
600.0	3.504	34.852	296.3	3.462					
650.0	3.499	34.852	296.5	3.454					
700.0	3.519	34.855	295.4	3.469					
750.0	3.511	34.855	295.5	3.459					
800.0	3.511	34.855	295.3	3.455					
850.0	3.511	34.855	295.7	3.451					
900.0	3.519	34.857	294.8	3.454					
950.0	3.528	34.859	294.4	3.460					
1000.0	3.533	34.860	294.7	3.461					
1050.0	3.559	34.865	292.4	3.482					
1100.0	3.603	34.873	288.8	3.522					
1150.0	3.591	34.873	289.1	3.506					
1200.0	3.591	34.875	288.3	3.501					
1250.0	3.704	34.897	280.4	3.609					
1300.0	3.716	34.903	278.9	3.616					
1350.0	3.723	34.908	277.0	3.619					
1400.0	3.722	34.912	275.4	3.614					
1450.0	3.712	34.917	273.9	3.600					
1500.0	3.705	34.919	273.3	3.588					
1550.0	3.674	34.920	272.9	3.553					
1600.0	3.647	34.922	272.8	3.522					
1650.0	3.618	34.922	272.7	3.489					
1700.0	3.588	34.923	272.5	3.455					
1750.0	3.554	34.923	272.8	3.417					
1800.0	3.521	34.923	272.9	3.380					
1850.0	3.476	34.922	273.4	3.331					
1900.0	3.434	34.922	273.8	3.284					
1950.0	3.389	34.921	274.3	3.235					
2000.0	3.358	34.921	274.5	3.200					
2050.0	3.330	34.921	274.9	3.167					
2100.0	3.299	34.921	275.0	3.133					
2150.0	3.263	34.921	275.6	3.093					
2200.0	3.234	34.921	275.7	3.060					
2250.0	3.212	34.921	275.9	3.033					
2300.0	3.173	34.922	276.1	2.990					
2350.0	3.157	34.922	276.3	2.969					
2400.0	3.117	34.922	276.5	2.925					
2450.0	3.081	34.923	276.5	2.884					
2500.0	3.047	34.923	276.8	2.846					
2550.0	3.011	34.924	276.8	2.806					
2600.0	2.976	34.924	277.4	2.766					
2650.0	2.945	34.924	277.6	2.732					
2700.0	2.916	34.926	277.6	2.698					
2750.0	2.885	34.927	277.4	2.662					
2800.0	2.904	34.934	276.3	2.676					
2850.0	2.873	34.933	276.3	2.640					
2900.0	2.848	34.935	276.3	2.611					
2950.0	2.830	34.937	276.0	2.588					
3000.0	2.806	34.936	276.0	2.559					

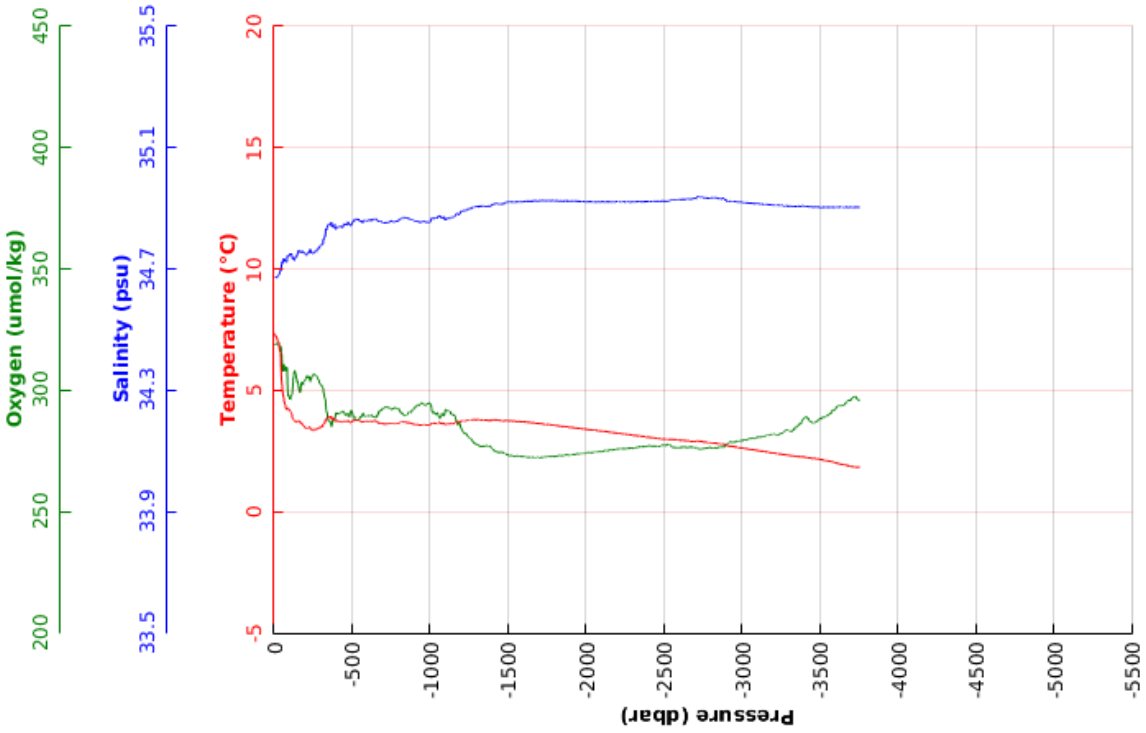

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 147

Profile : 148	Cruise : GEOVIDE (Classic)
Station : 71	Cast : 1
Date : 24/06/2014	Ship : N/O Pourquoi pas ?
Depth : 3700 m	Organism : CNRS - IFREMER
Position : N 53 41.52 W 049 26.00	

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.	PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.	dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.340	34.672	319.0	7.340	3050.0	2.567	34.917	280.1	2.320
10.0	7.240	34.672	319.3	7.239	3100.0	2.522	34.915	280.7	2.271
20.0	7.073	34.677	319.3	7.071	3150.0	2.477	34.913	281.3	2.222
30.0	6.981	34.682	317.7	6.978	3200.0	2.419	34.911	282.0	2.160
40.0	6.578	34.698	318.3	6.575	3250.0	2.368	34.909	282.3	2.106
50.0	5.267	34.721	309.4	5.263	3300.0	2.324	34.908	283.3	2.057
100.0	4.191	34.750	296.4	4.184	3350.0	2.278	34.907	284.8	2.007
150.0	3.720	34.752	303.6	3.709	3400.0	2.251	34.908	288.7	1.975
200.0	3.447	34.748	305.0	3.434	3450.0	2.200	34.905	286.8	1.920
250.0	3.348	34.751	306.7	3.332	3500.0	2.153	34.904	288.3	1.869
300.0	3.482	34.777	302.1	3.462	3550.0	2.099	34.904	289.7	1.811
350.0	3.881	34.845	287.1	3.856	3600.0	2.021	34.904	292.2	1.730
400.0	3.747	34.839	290.5	3.719	3650.0	1.945	34.904	293.8	1.650
450.0	3.733	34.847	290.4	3.701	3700.0	1.869	34.904	296.2	1.571
500.0	3.717	34.853	290.4	3.682	3750.0	1.832	34.904	296.1	1.530
550.0	3.731	34.858	289.1	3.692	3757.0	1.833	34.904	295.9	1.529
600.0	3.720	34.860	289.6	3.677					
650.0	3.740	34.866	288.8	3.694					
700.0	3.624	34.853	292.7	3.574					
750.0	3.652	34.858	292.1	3.598					
800.0	3.665	34.863	291.6	3.607					
850.0	3.691	34.869	289.8	3.629					
900.0	3.602	34.858	292.9	3.536					
950.0	3.571	34.854	294.7	3.502					
1000.0	3.568	34.856	294.5	3.495					
1050.0	3.662	34.873	289.6	3.584					
1100.0	3.602	34.864	292.1	3.520					
1150.0	3.633	34.871	289.9	3.548					
1200.0	3.728	34.888	284.1	3.637					
1250.0	3.777	34.899	280.3	3.681					
1300.0	3.792	34.906	277.6	3.692					
1350.0	3.770	34.907	277.1	3.666					
1400.0	3.778	34.913	275.6	3.669					
1450.0	3.758	34.914	274.5	3.645					
1500.0	3.748	34.921	273.3	3.631					
1550.0	3.722	34.921	272.9	3.601					
1600.0	3.703	34.923	272.7	3.577					
1650.0	3.669	34.924	272.4	3.539					
1700.0	3.631	34.925	272.4	3.497					
1750.0	3.597	34.926	272.5	3.459					
1800.0	3.560	34.925	272.8	3.417					
1850.0	3.513	34.924	273.1	3.367					
1900.0	3.475	34.924	273.4	3.325					
1950.0	3.441	34.923	273.8	3.286					
2000.0	3.397	34.922	274.2	3.239					
2050.0	3.362	34.922	274.5	3.200					
2100.0	3.324	34.922	274.8	3.157					
2150.0	3.282	34.922	275.3	3.111					
2200.0	3.235	34.922	275.9	3.060					
2250.0	3.198	34.922	275.9	3.019					
2300.0	3.153	34.922	276.2	2.970					
2350.0	3.113	34.922	276.7	2.925					
2400.0	3.065	34.923	277.1	2.874					
2450.0	3.028	34.924	276.8	2.832					
2500.0	2.994	34.924	277.3	2.794					
2550.0	2.980	34.928	276.7	2.776					
2600.0	2.950	34.929	276.6	2.741					
2650.0	2.925	34.931	276.4	2.711					
2700.0	2.901	34.934	276.2	2.683					
2750.0	2.882	34.936	276.0	2.659					
2800.0	2.836	34.934	276.5	2.610					
2850.0	2.798	34.932	276.6	2.567					
2900.0	2.742	34.927	277.6	2.507					
2950.0	2.679	34.922	278.6	2.441					
3000.0	2.626	34.920	279.2	2.383					

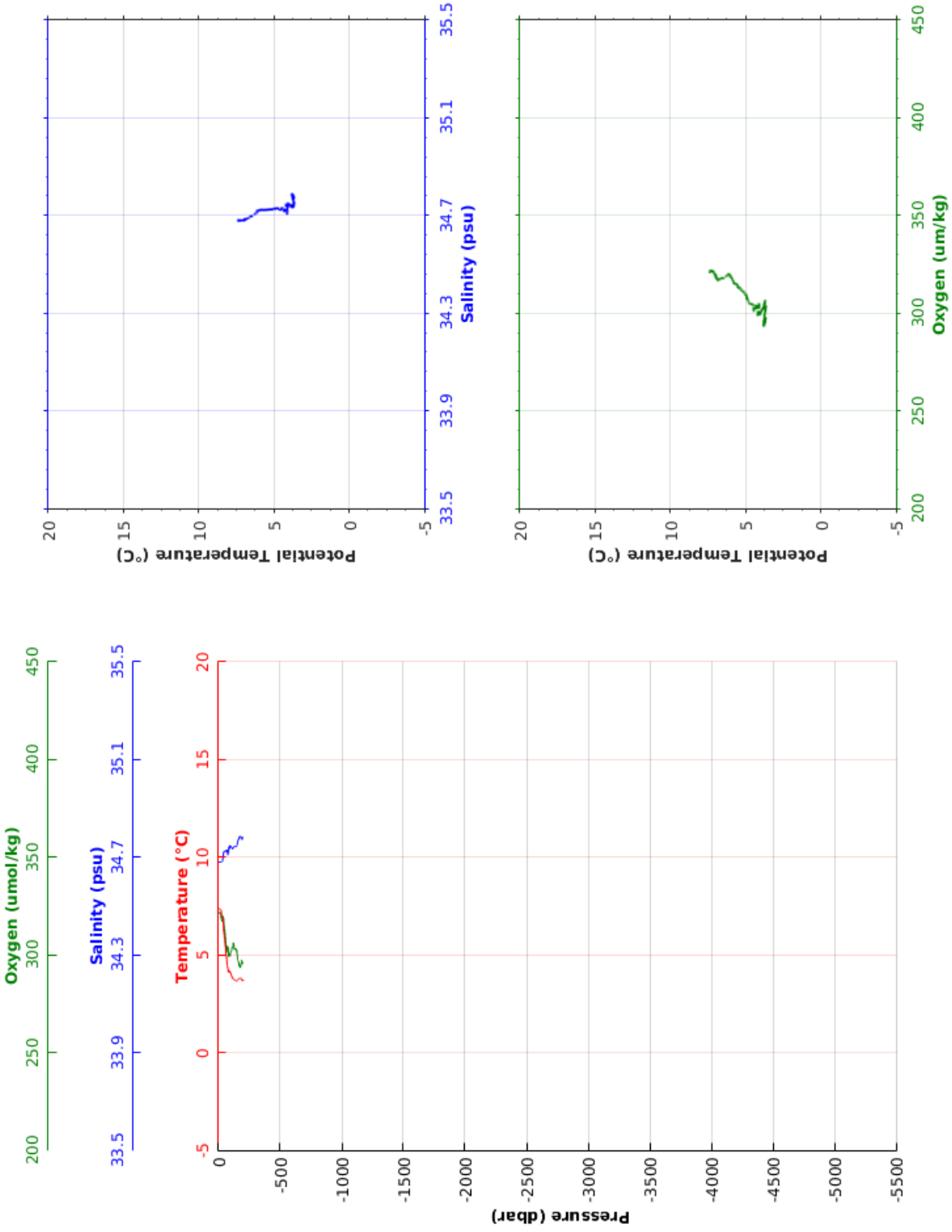

Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)


Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 148

Profile	: 149	Cruise	: GEOVIDE (Classic)
Station	: 71	Cast	: 3
Date	: 24/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 3700 m	Organism	: CNRS - IFREMER
Position	: N 53 41.52 W 049 26.00		

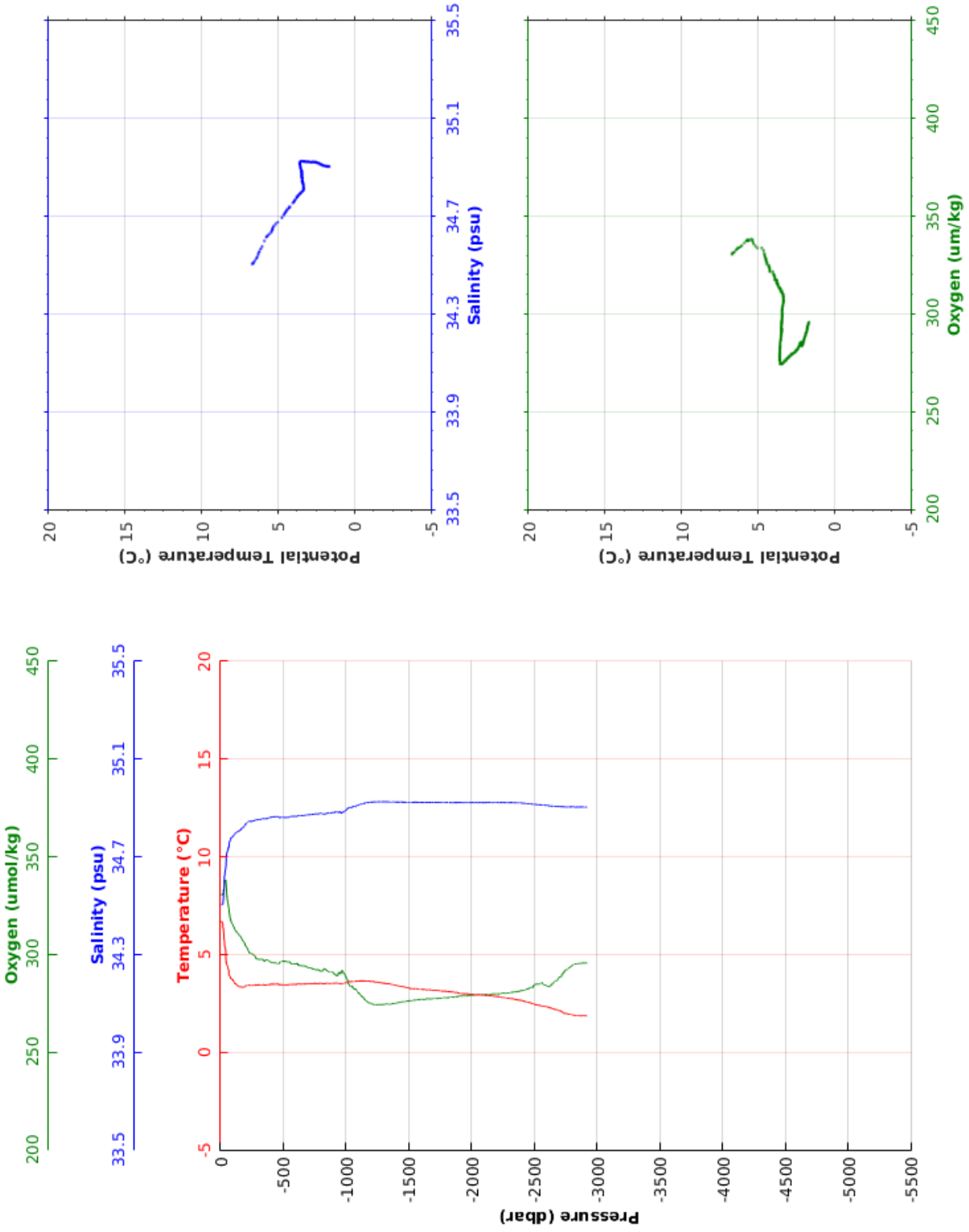
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.361	34.680	321.0	7.361
10.0	7.348	34.680	321.4	7.347
20.0	7.265	34.680	321.7	7.263
30.0	6.950	34.682	318.2	6.947
40.0	6.273	34.706	319.0	6.269
50.0	5.746	34.724	315.2	5.742
100.0	4.043	34.746	299.7	4.036
150.0	3.673	34.747	302.3	3.663
200.0	3.719	34.781	295.7	3.706
202.0	3.720	34.781	295.3	3.706


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 149

Profile : 150	Cruise : GEOVIDE (Classic)
Station : 72	Cast : 1
Date : 25/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2884 m	Organism : CNRS - IFREMER
Position : N 53 8.51 W 050 51.73	

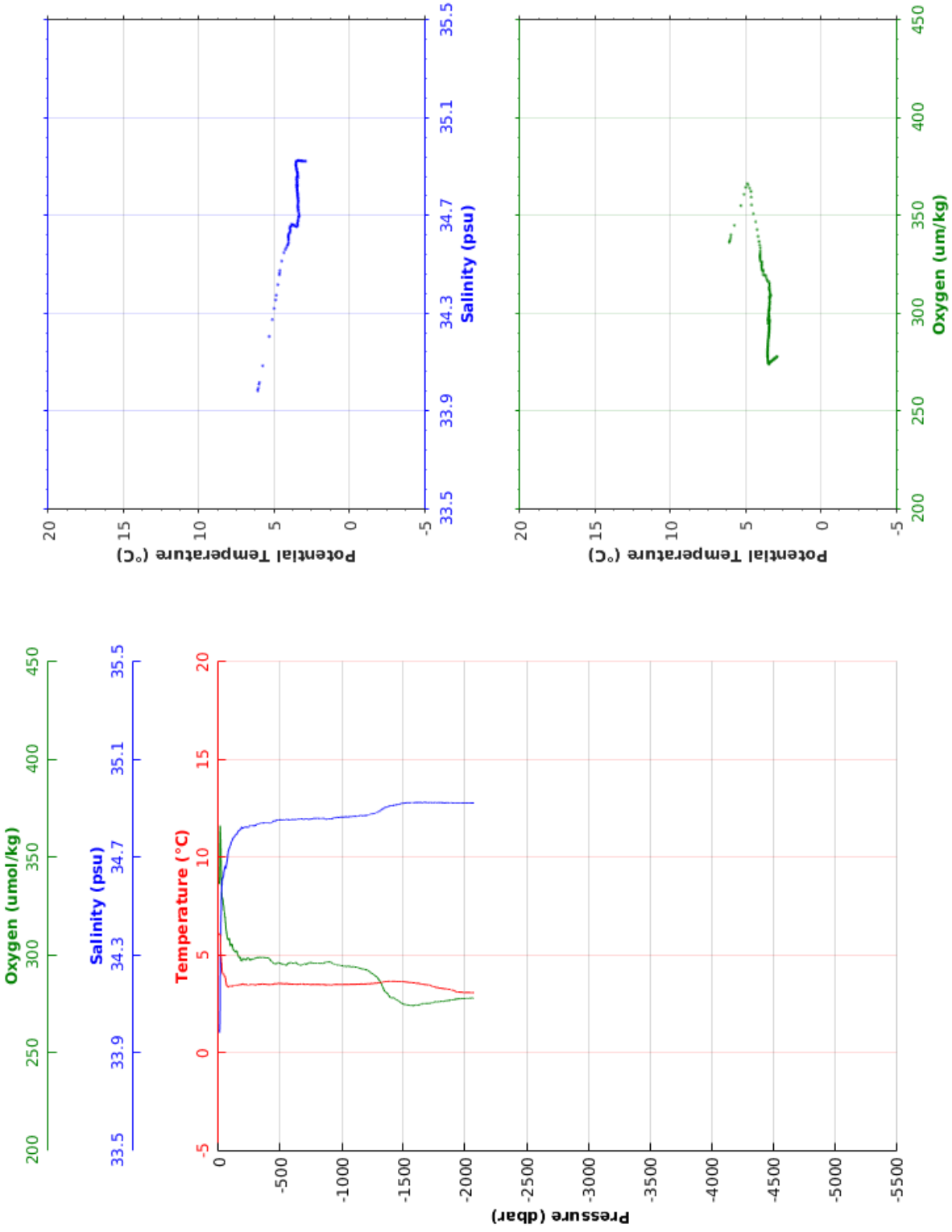
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.679	34.504	330.5	6.679
10.0	6.675	34.505	330.9	6.675
20.0	6.379	34.530	333.2	6.377
30.0	5.667	34.621	338.1	5.665
40.0	5.271	34.660	335.7	5.267
50.0	4.480	34.719	328.0	4.477
100.0	3.669	34.785	314.6	3.662
150.0	3.349	34.807	309.5	3.339
200.0	3.392	34.836	304.0	3.379
250.0	3.408	34.844	300.3	3.391
300.0	3.441	34.853	297.5	3.421
350.0	3.453	34.857	296.4	3.430
400.0	3.474	34.863	295.9	3.447
450.0	3.482	34.865	295.3	3.452
500.0	3.448	34.861	296.5	3.414
550.0	3.456	34.863	295.8	3.419
600.0	3.472	34.866	295.0	3.431
650.0	3.485	34.869	294.1	3.440
700.0	3.501	34.872	293.2	3.452
750.0	3.510	34.875	292.3	3.457
800.0	3.523	34.878	291.4	3.466
850.0	3.514	34.878	291.4	3.454
900.0	3.524	34.882	290.2	3.459
950.0	3.527	34.884	290.0	3.458
1000.0	3.558	34.893	287.7	3.485
1050.0	3.618	34.905	283.3	3.541
1100.0	3.640	34.912	280.2	3.558
1150.0	3.649	34.920	276.6	3.563
1200.0	3.622	34.924	274.8	3.532
1250.0	3.578	34.925	274.3	3.484
1300.0	3.528	34.926	274.4	3.430
1350.0	3.496	34.925	274.4	3.394
1400.0	3.421	34.924	275.1	3.316
1450.0	3.356	34.924	275.7	3.247
1500.0	3.276	34.923	276.1	3.164
1550.0	3.244	34.923	276.6	3.128
1600.0	3.212	34.923	277.0	3.092
1650.0	3.187	34.923	277.2	3.063
1700.0	3.164	34.922	277.4	3.036
1750.0	3.137	34.923	277.6	3.005
1800.0	3.117	34.922	277.9	2.981
1850.0	3.077	34.922	278.1	2.937
1900.0	3.021	34.922	278.7	2.877
1950.0	2.985	34.922	278.8	2.837
2000.0	2.964	34.922	279.2	2.812
2050.0	2.939	34.922	279.5	2.783
2100.0	2.917	34.922	279.5	2.757
2150.0	2.889	34.922	279.5	2.725
2200.0	2.853	34.922	279.8	2.685
2250.0	2.807	34.923	280.2	2.635
2300.0	2.755	34.922	280.4	2.579
2350.0	2.689	34.921	281.0	2.509
2400.0	2.640	34.920	281.5	2.457
2450.0	2.556	34.918	282.5	2.369
2500.0	2.450	34.915	284.5	2.260
2550.0	2.375	34.912	285.3	2.182
2600.0	2.330	34.910	283.8	2.133
2650.0	2.217	34.907	285.5	2.018
2700.0	2.120	34.906	288.4	1.917
2750.0	1.983	34.905	292.0	1.778
2800.0	1.907	34.904	294.5	1.700
2850.0	1.874	34.904	295.3	1.663
2900.0	1.871	34.904	295.6	1.655
2921.0	1.872	34.904	295.7	1.654


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 150

Profile	: 151	Cruise	: GEOVIDE (Classic)
Station	: 73	Cast	: 1
Date	: 25/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2056 m	Organism	: CNRS - IFREMER
Position	: N 52 56.01 W 051 23.49		

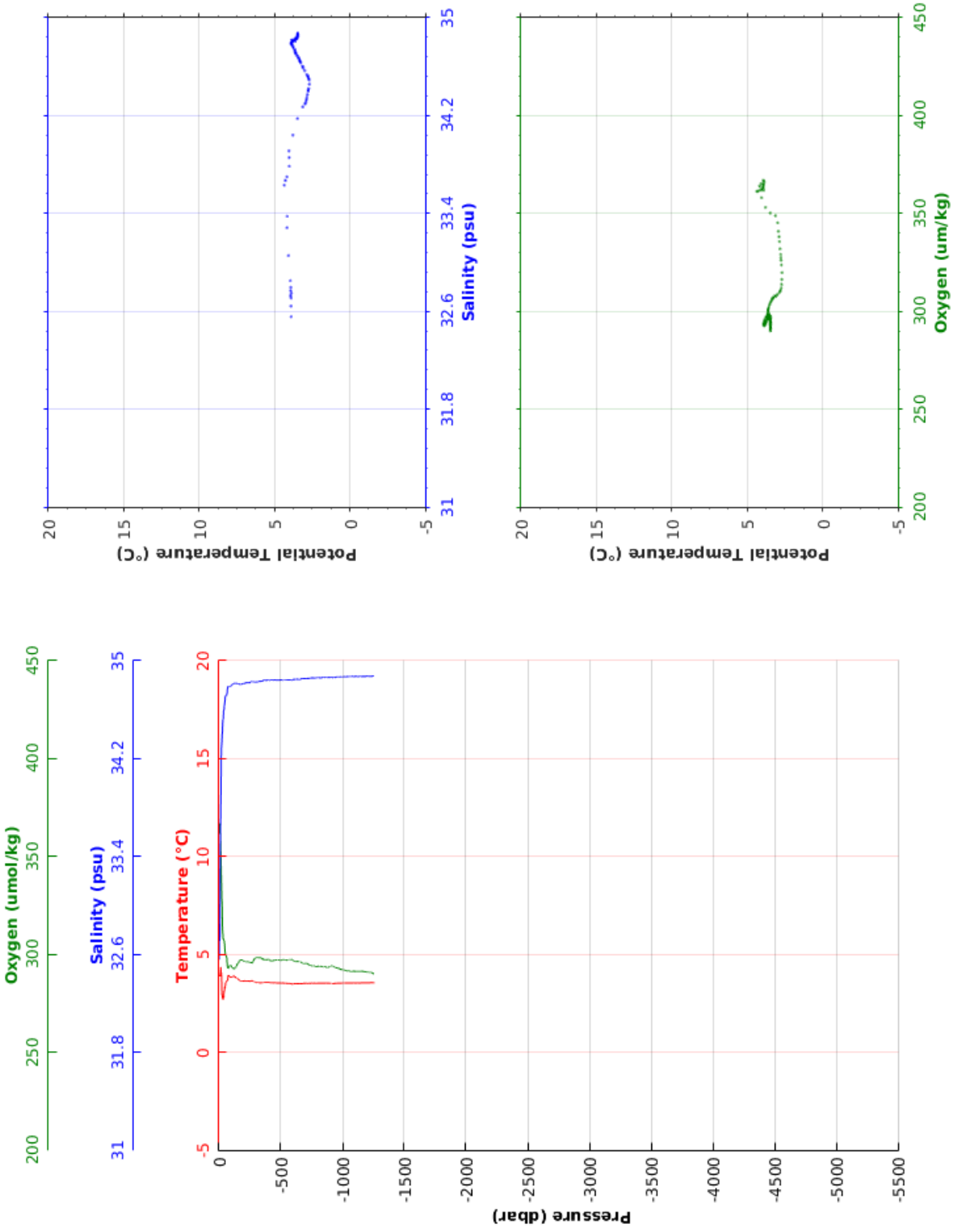
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.070	33.982	336.4	6.070
10.0	6.070	33.982	336.4	6.069
20.0	4.840	34.373	365.5	4.839
30.0	4.062	34.583	334.9	4.060
40.0	4.041	34.619	328.1	4.038
50.0	3.939	34.653	323.1	3.936
100.0	3.400	34.751	304.8	3.393
150.0	3.440	34.793	302.1	3.431
200.0	3.480	34.818	297.6	3.467
250.0	3.473	34.826	298.3	3.457
300.0	3.462	34.829	298.2	3.442
350.0	3.503	34.839	298.7	3.479
400.0	3.485	34.841	298.5	3.458
450.0	3.522	34.849	295.6	3.491
500.0	3.532	34.853	295.8	3.498
550.0	3.527	34.855	294.8	3.489
600.0	3.499	34.854	295.8	3.458
650.0	3.504	34.857	295.2	3.459
700.0	3.495	34.856	295.5	3.446
750.0	3.479	34.856	296.1	3.426
800.0	3.485	34.859	295.7	3.428
850.0	3.479	34.859	295.7	3.419
900.0	3.456	34.856	296.4	3.392
950.0	3.483	34.862	295.2	3.414
1000.0	3.488	34.865	294.5	3.416
1050.0	3.489	34.865	294.0	3.412
1100.0	3.493	34.866	294.0	3.413
1150.0	3.506	34.869	293.1	3.422
1200.0	3.514	34.871	292.2	3.425
1250.0	3.539	34.878	290.4	3.446
1300.0	3.573	34.886	287.8	3.475
1350.0	3.631	34.903	281.7	3.529
1400.0	3.642	34.912	278.1	3.535
1450.0	3.635	34.916	276.9	3.524
1500.0	3.626	34.921	275.0	3.510
1550.0	3.590	34.923	274.2	3.470
1600.0	3.552	34.924	274.3	3.428
1650.0	3.504	34.924	274.7	3.376
1700.0	3.461	34.924	275.1	3.329
1750.0	3.365	34.924	275.6	3.230
1800.0	3.297	34.923	276.1	3.159
1850.0	3.254	34.923	276.4	3.111
1900.0	3.187	34.923	276.9	3.041
1950.0	3.102	34.922	277.5	2.952
2000.0	3.076	34.922	277.6	2.922
2050.0	3.064	34.922	277.8	2.906
2075.0	3.060	34.922	277.8	2.900


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 151

Profile	: 152	Cruise	: GEOVIDE (Classic)
Station	: 74	Cast	: 1
Date	: 25/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 1253 m	Organism	: CNRS - IFREMER
Position	: N 52 51.10 W 051 35.75		

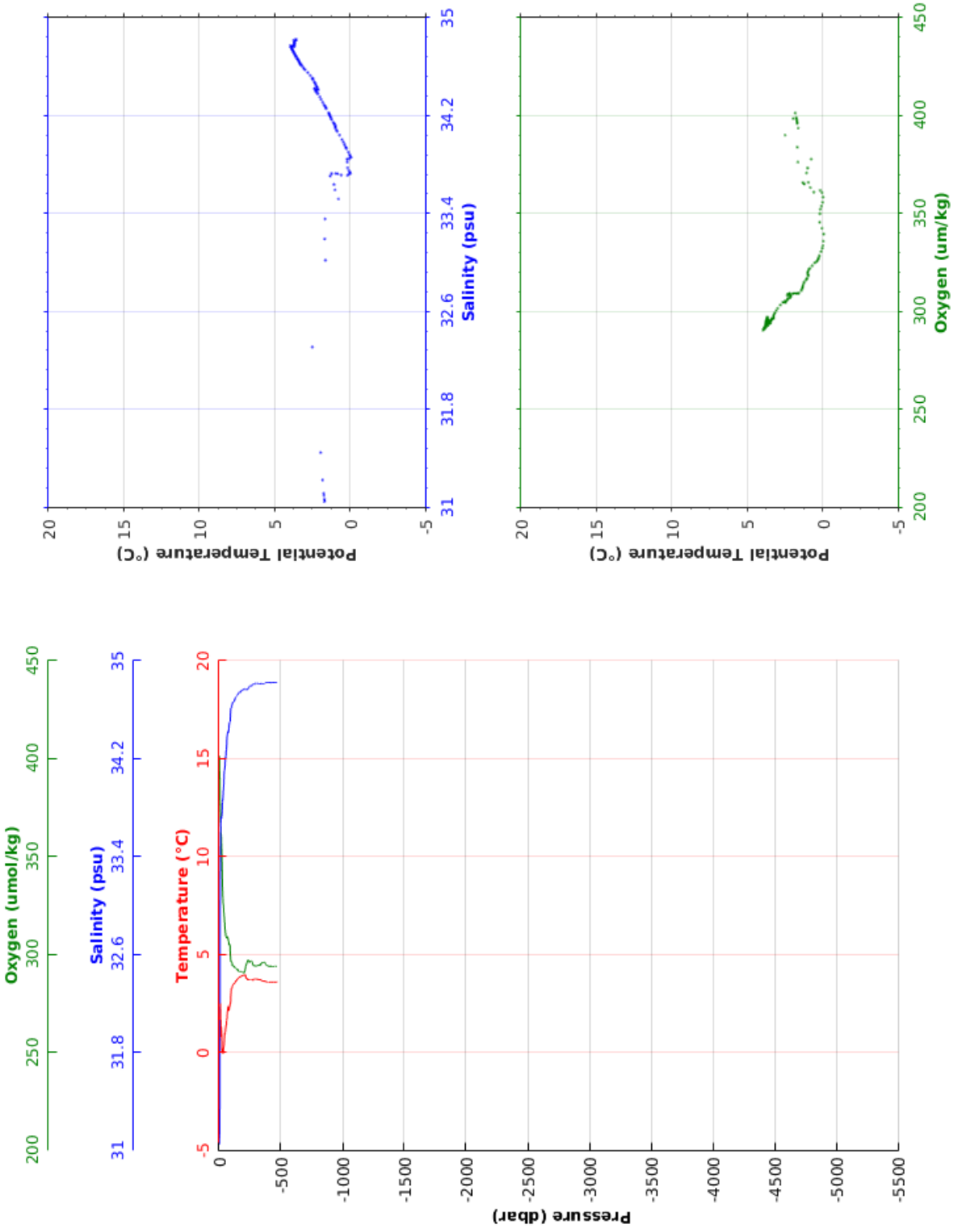
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	3.902	32.643	364.1	3.902
10.0	3.929	32.770	366.9	3.928
20.0	3.782	34.040	353.2	3.781
30.0	2.752	34.410	326.1	2.750
40.0	3.086	34.589	307.8	3.084
50.0	3.360	34.660	306.0	3.357
100.0	3.834	34.796	294.3	3.827
150.0	3.750	34.814	294.6	3.740
200.0	3.640	34.814	296.7	3.627
250.0	3.628	34.822	296.0	3.611
300.0	3.561	34.826	298.1	3.541
350.0	3.543	34.833	298.1	3.520
400.0	3.563	34.842	297.3	3.536
450.0	3.544	34.843	296.9	3.514
500.0	3.536	34.843	297.2	3.501
550.0	3.519	34.844	297.1	3.481
600.0	3.491	34.844	297.0	3.449
650.0	3.501	34.849	296.5	3.456
700.0	3.515	34.855	295.3	3.466
750.0	3.525	34.859	294.4	3.472
800.0	3.528	34.861	293.9	3.471
850.0	3.528	34.863	293.6	3.468
900.0	3.524	34.863	293.6	3.459
950.0	3.522	34.867	293.2	3.454
1000.0	3.533	34.869	292.2	3.460
1050.0	3.532	34.871	291.5	3.456
1100.0	3.535	34.872	291.4	3.455
1150.0	3.540	34.872	291.3	3.455
1200.0	3.544	34.873	290.9	3.455
1250.0	3.552	34.876	290.4	3.459
1259.0	3.552	34.875	290.1	3.458


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 152

Profile : 153	Cruise : GEOVIDE (Classic)
Station : 75	Cast : 1
Date : 25/06/2014	Ship : N/O Pourquoi pas ?
Depth : 477 m	Organism : CNRS - IFREMER
Position : N 52 47.16 W 051 45.63	

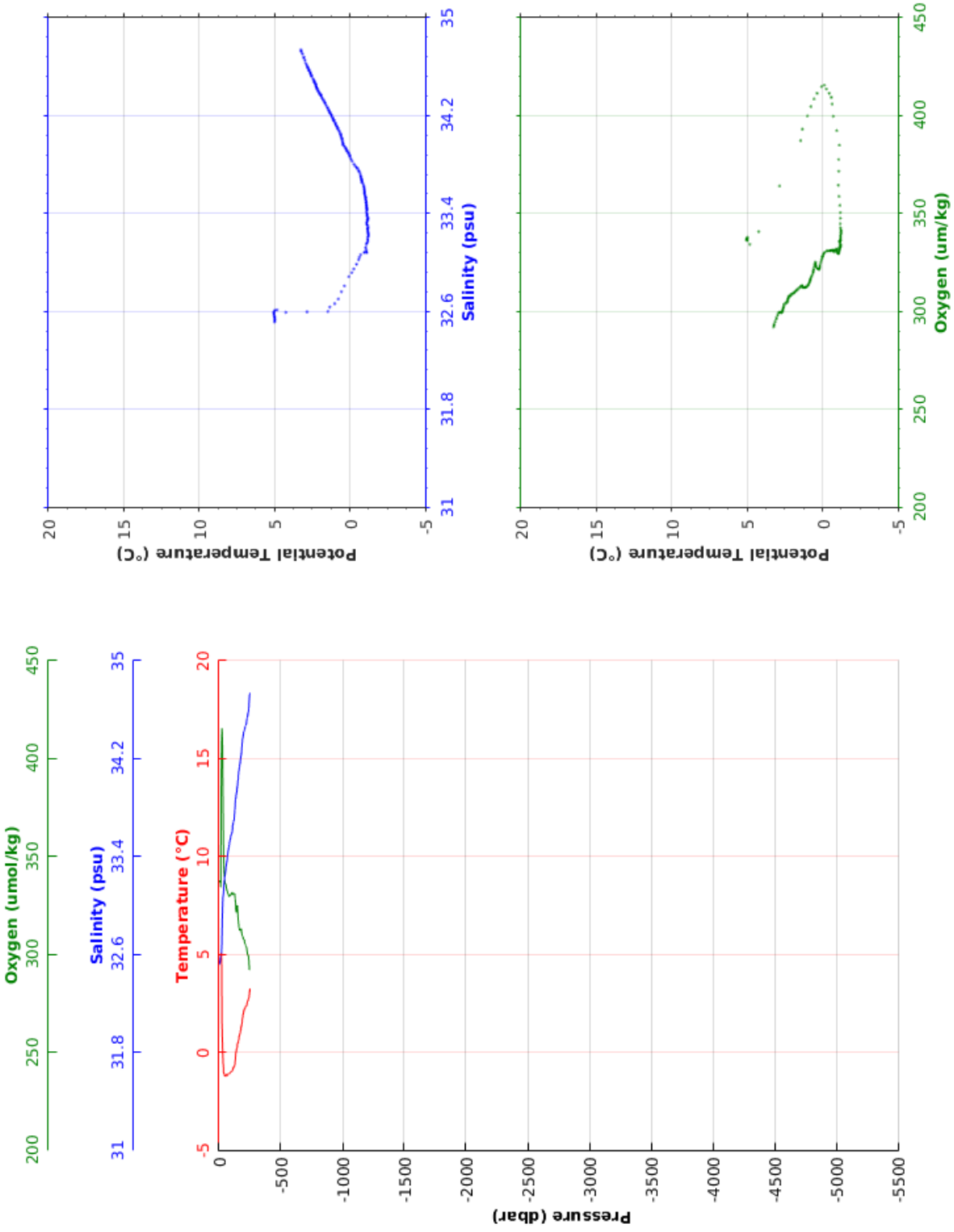
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	1.677	31.047	396.0	1.677
10.0	1.939	31.444	398.5	1.939
20.0	0.942	33.727	365.9	0.941
30.0	0.193	33.844	345.5	0.192
40.0	0.351	33.964	325.7	0.350
50.0	1.010	34.127	317.0	1.008
100.0	3.243	34.617	297.5	3.237
150.0	3.728	34.716	292.3	3.718
200.0	3.926	34.763	290.8	3.913
250.0	3.696	34.792	296.0	3.679
300.0	3.736	34.816	293.9	3.716
350.0	3.635	34.813	295.6	3.611
400.0	3.579	34.822	294.2	3.552
450.0	3.578	34.822	293.7	3.547
473.0	3.580	34.822	293.8	3.548


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 153

Profile : 154	Cruise : GEOVIDE (Classic)
Station : 76	Cast : 1
Date : 25/06/2014	Ship : N/O Pourquoi pas ?
Depth : 259 m	Organism : CNRS - IFREMER
Position : N 52 30.03 W 052 30.00	

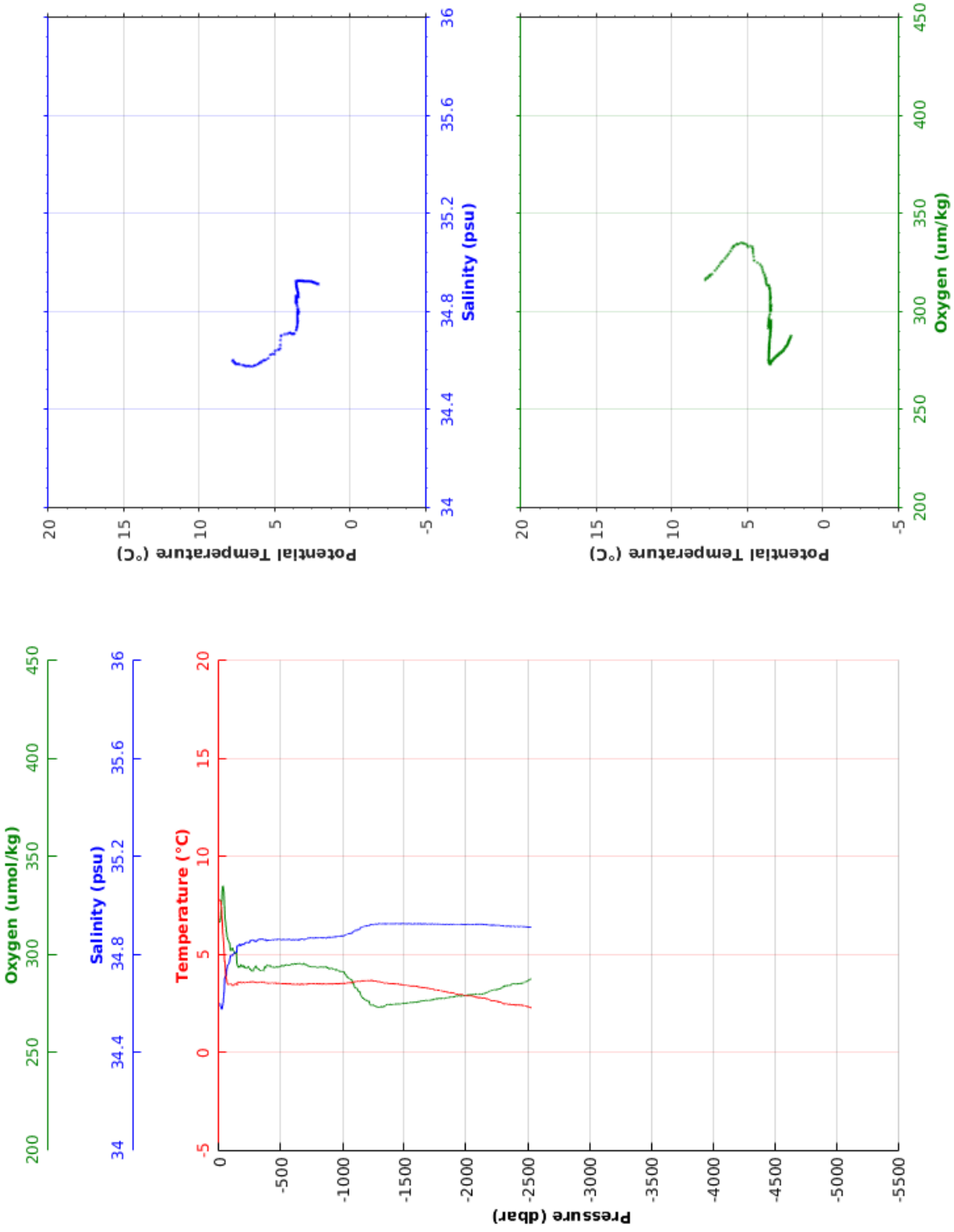
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	4.985	32.517	336.7	4.985
10.0	4.985	32.541	337.7	4.984
20.0	4.832	32.612	334.2	4.831
30.0	-0.124	32.915	415.6	-0.125
40.0	-1.051	33.121	364.5	-1.052
50.0	-1.219	33.238	339.4	-1.220
100.0	-0.974	33.571	330.5	-0.976
150.0	0.456	33.963	323.3	0.450
200.0	2.095	34.398	308.6	2.085
250.0	3.217	34.722	293.6	3.201
252.0	3.264	34.736	292.0	3.248


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 154

Profile : 155	Cruise : GEOVIDE (Classic)
Station : 77	Cast : 1
Date : 25/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2504 m	Organism : CNRS - IFREMER
Position : N 52 59.98 W 051 6.01	

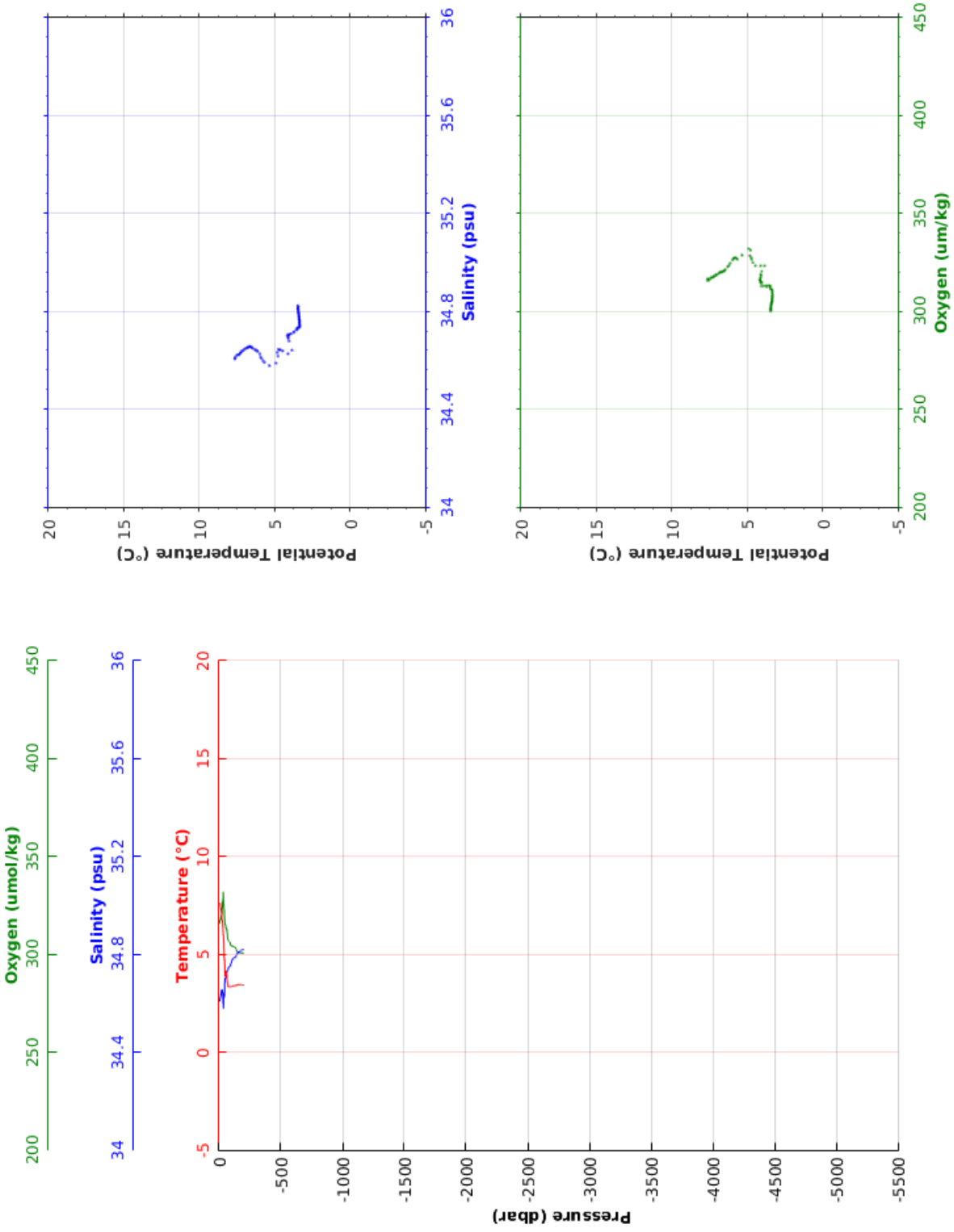
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.771	34.599	316.1	7.771
10.0	7.755	34.598	316.6	7.754
20.0	7.331	34.583	319.0	7.329
30.0	6.105	34.584	330.8	6.102
40.0	5.147	34.625	334.5	5.144
50.0	4.321	34.706	324.9	4.317
100.0	3.474	34.797	301.9	3.467
150.0	3.584	34.834	296.2	3.574
200.0	3.559	34.841	293.6	3.546
250.0	3.565	34.850	293.1	3.549
300.0	3.544	34.853	293.5	3.523
350.0	3.574	34.862	291.8	3.550
400.0	3.525	34.857	294.5	3.498
450.0	3.532	34.860	293.4	3.501
500.0	3.512	34.861	293.9	3.478
550.0	3.492	34.860	294.7	3.454
600.0	3.478	34.860	295.0	3.436
650.0	3.461	34.859	295.3	3.416
700.0	3.478	34.863	294.8	3.429
750.0	3.504	34.867	293.7	3.451
800.0	3.494	34.867	293.3	3.437
850.0	3.490	34.868	293.5	3.429
900.0	3.492	34.870	292.6	3.428
950.0	3.498	34.872	292.0	3.429
1000.0	3.507	34.875	291.2	3.434
1050.0	3.546	34.884	288.0	3.469
1100.0	3.608	34.898	283.7	3.526
1150.0	3.637	34.908	279.7	3.551
1200.0	3.651	34.916	276.4	3.561
1250.0	3.644	34.921	274.2	3.550
1300.0	3.593	34.925	273.0	3.495
1350.0	3.539	34.925	273.6	3.437
1400.0	3.501	34.925	274.5	3.395
1450.0	3.480	34.925	274.7	3.370
1500.0	3.438	34.925	275.0	3.324
1550.0	3.384	34.925	275.4	3.267
1600.0	3.366	34.925	275.6	3.245
1650.0	3.307	34.924	276.2	3.182
1700.0	3.262	34.924	276.5	3.133
1750.0	3.185	34.923	277.2	3.053
1800.0	3.126	34.922	277.5	2.990
1850.0	3.069	34.922	277.9	2.929
1900.0	3.020	34.923	278.2	2.876
1950.0	2.950	34.923	278.7	2.802
2000.0	2.890	34.922	279.2	2.739
2050.0	2.873	34.922	279.3	2.718
2100.0	2.795	34.923	279.7	2.637
2150.0	2.762	34.922	280.0	2.600
2200.0	2.646	34.920	281.3	2.481
2250.0	2.601	34.919	282.0	2.432
2300.0	2.492	34.916	283.1	2.320
2350.0	2.451	34.915	284.1	2.276
2400.0	2.412	34.914	284.8	2.233
2450.0	2.400	34.914	285.1	2.216
2500.0	2.334	34.912	286.2	2.147
2531.0	2.277	34.911	287.4	2.087


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 155

Profile	: 156	Cruise	: GEOVIDE (Classic)
Station	: 77	Cast	: 3
Date	: 26/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2532 m	Organism	: CNRS - IFREMER
Position	: N 52 59.35 W 051 5.72		

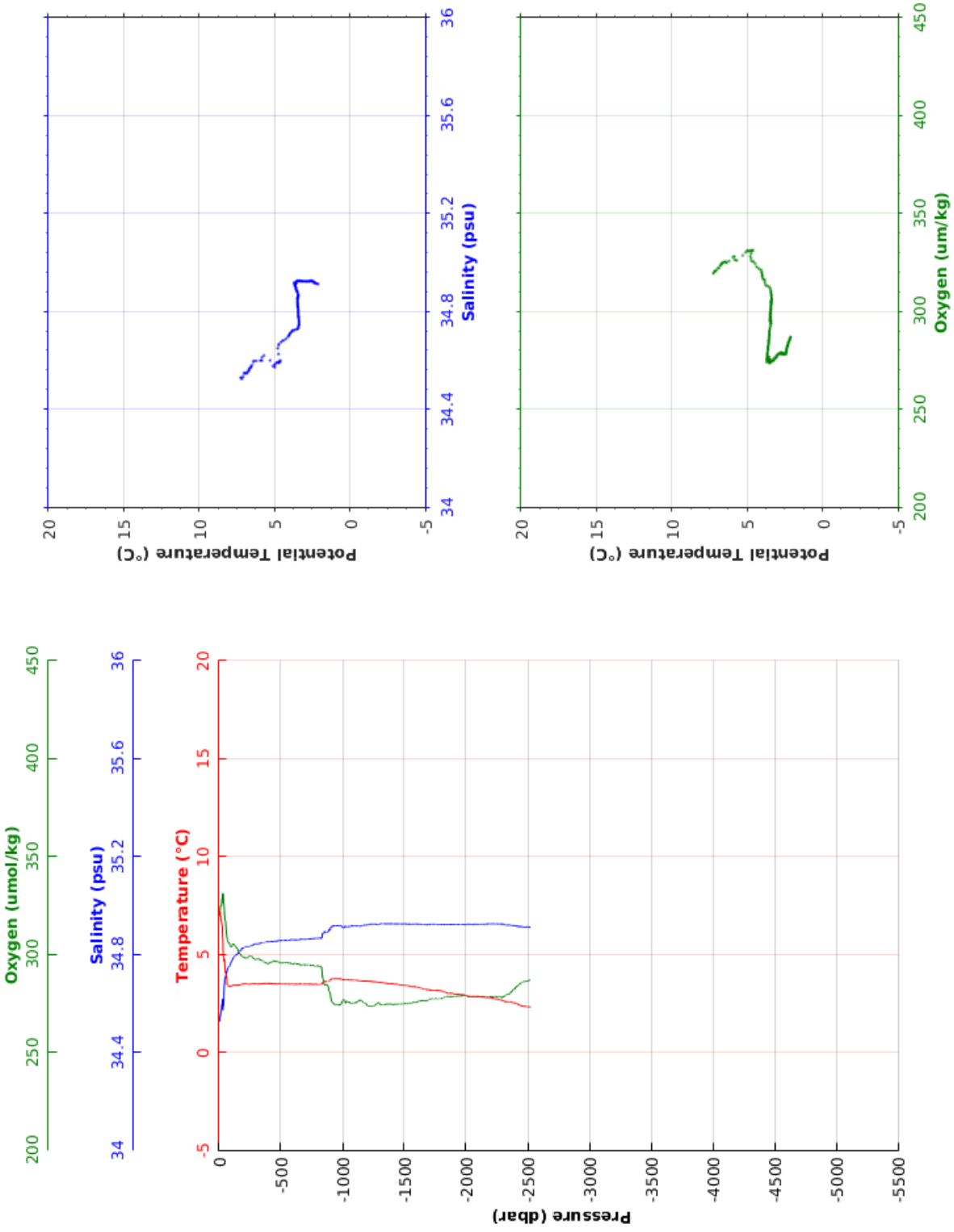
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.616	34.605	316.6	7.616
10.0	7.553	34.617	315.8	7.552
20.0	7.056	34.641	318.6	7.054
30.0	6.452	34.649	321.3	6.449
40.0	4.909	34.588	332.0	4.906
50.0	4.097	34.690	318.8	4.093
100.0	3.356	34.762	305.0	3.350
150.0	3.440	34.803	301.6	3.431
200.0	3.446	34.821	300.5	3.433
201.0	3.451	34.823	300.2	3.438


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 156

Profile : 157	Cruise : GEOVIDE (Classic)
Station : 77	Cast : 5
Date : 26/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2498 m	Organism : CNRS - IFREMER
Position : N 52 59.99 W 051 5.99	

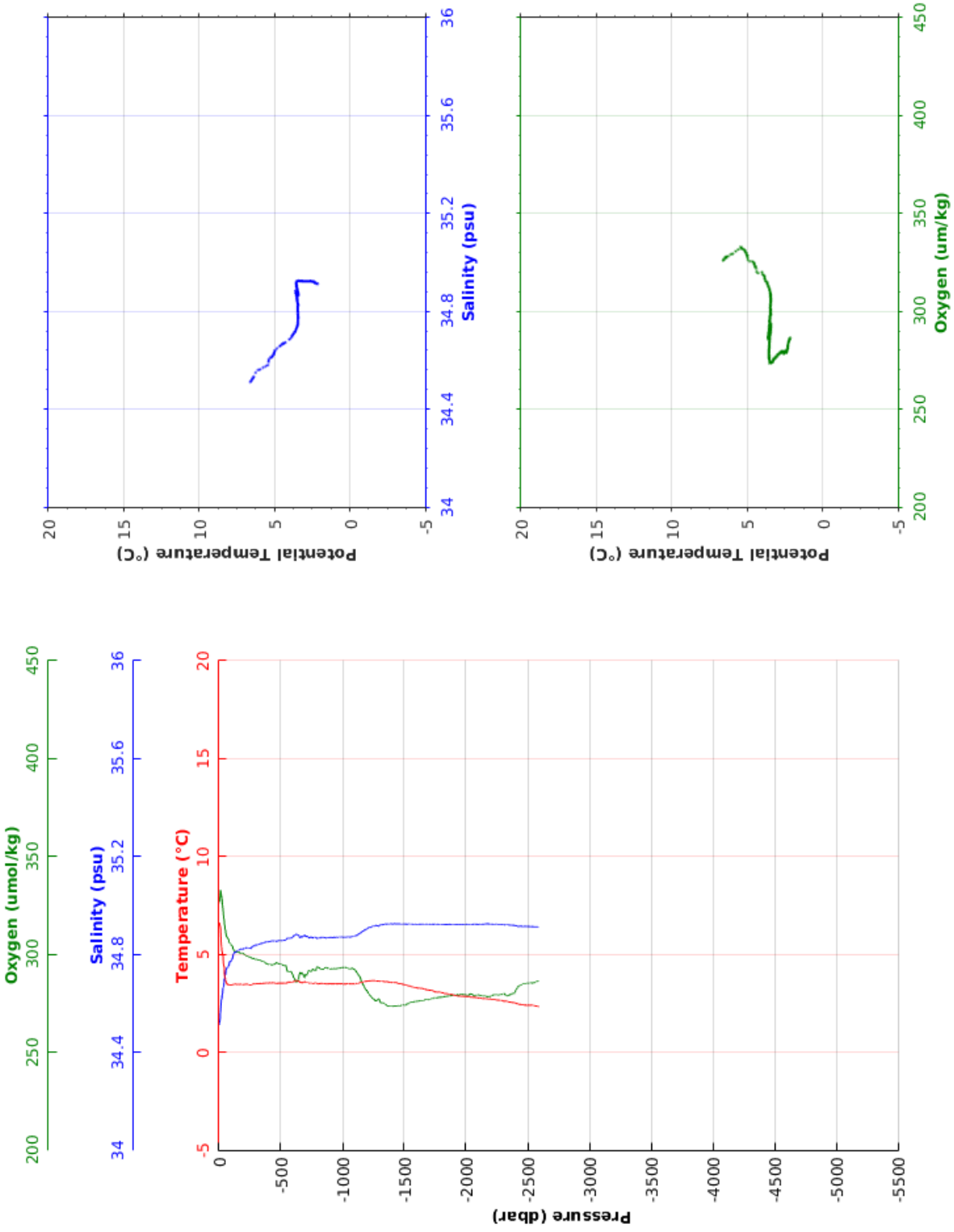
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.168	34.523	320.4	7.168
10.0	7.086	34.533	320.7	7.085
20.0	6.629	34.567	324.8	6.627
30.0	5.835	34.612	326.4	5.833
40.0	4.615	34.593	331.2	4.612
50.0	4.111	34.697	321.2	4.107
100.0	3.389	34.765	304.2	3.382
150.0	3.424	34.799	303.3	3.414
200.0	3.483	34.826	298.7	3.469
250.0	3.464	34.832	299.1	3.447
300.0	3.496	34.842	297.2	3.476
350.0	3.504	34.848	296.9	3.480
400.0	3.513	34.852	295.3	3.486
450.0	3.489	34.853	296.7	3.458
500.0	3.495	34.855	296.0	3.460
550.0	3.473	34.857	295.9	3.436
600.0	3.485	34.860	295.0	3.443
650.0	3.476	34.859	295.1	3.431
700.0	3.472	34.861	294.9	3.423
750.0	3.474	34.864	294.4	3.421
800.0	3.465	34.865	294.2	3.408
850.0	3.593	34.886	286.8	3.532
900.0	3.681	34.902	280.7	3.615
950.0	3.756	34.917	274.4	3.685
1000.0	3.702	34.911	275.7	3.628
1050.0	3.692	34.914	275.5	3.614
1100.0	3.682	34.916	275.1	3.599
1150.0	3.642	34.915	276.6	3.556
1200.0	3.631	34.921	274.4	3.541
1250.0	3.604	34.923	273.7	3.510
1300.0	3.565	34.923	275.0	3.467
1350.0	3.532	34.925	274.2	3.430
1400.0	3.492	34.925	274.6	3.386
1450.0	3.458	34.924	274.6	3.349
1500.0	3.416	34.924	274.8	3.302
1550.0	3.368	34.923	274.9	3.251
1600.0	3.337	34.924	275.6	3.215
1650.0	3.251	34.923	276.3	3.126
1700.0	3.193	34.922	276.5	3.065
1750.0	3.163	34.923	277.3	3.031
1800.0	3.141	34.922	277.4	3.005
1850.0	3.018	34.922	278.3	2.879
1900.0	2.988	34.922	278.4	2.845
1950.0	2.946	34.922	278.7	2.799
2000.0	2.894	34.922	279.1	2.743
2050.0	2.844	34.923	278.3	2.689
2100.0	2.834	34.923	278.4	2.675
2150.0	2.807	34.923	278.4	2.644
2200.0	2.777	34.924	278.3	2.610
2250.0	2.718	34.925	278.5	2.547
2300.0	2.630	34.923	278.1	2.456
2350.0	2.575	34.920	279.6	2.397
2400.0	2.495	34.916	282.4	2.314
2450.0	2.370	34.913	285.3	2.186
2500.0	2.330	34.912	286.3	2.143
2525.0	2.297	34.911	286.9	2.108


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 157

Profile : 158	Cruise : GEOVIDE (Classic)
Station : 77	Cast : 7
Date : 26/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2563 m	Organism : CNRS - IFREMER
Position : N 52 59.57 W 051 5.45	

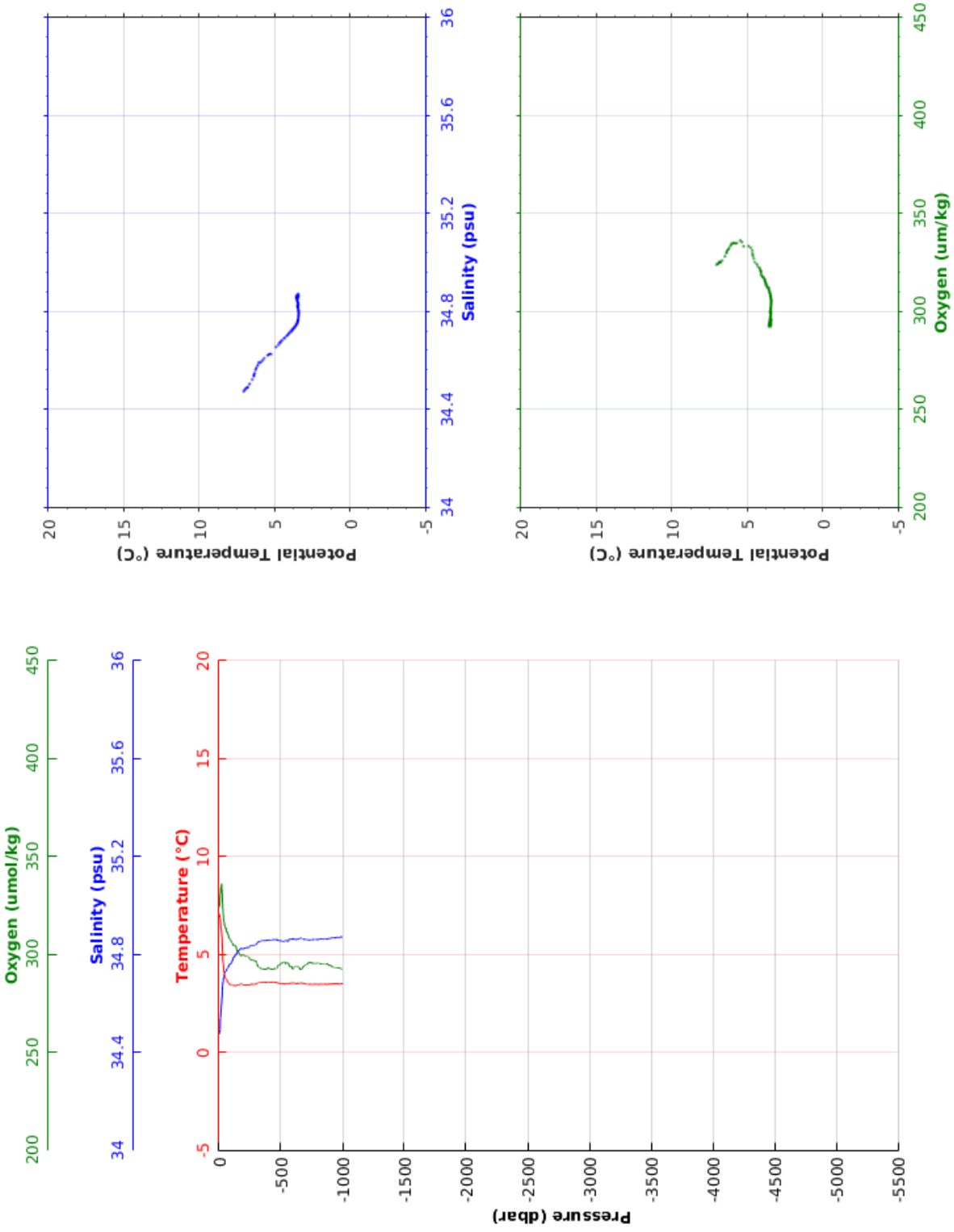
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	6.594	34.511	326.1	6.594
10.0	6.412	34.529	327.9	6.411
20.0	5.380	34.603	332.2	5.378
30.0	4.984	34.637	328.2	4.981
40.0	4.397	34.669	321.8	4.394
50.0	3.777	34.704	315.4	3.774
100.0	3.436	34.771	305.2	3.430
150.0	3.470	34.815	301.0	3.461
200.0	3.455	34.821	300.7	3.442
250.0	3.443	34.825	298.6	3.426
300.0	3.501	34.838	297.4	3.481
350.0	3.511	34.844	296.7	3.487
400.0	3.536	34.852	295.1	3.509
450.0	3.539	34.855	294.8	3.508
500.0	3.529	34.856	294.9	3.494
550.0	3.544	34.861	293.7	3.505
600.0	3.595	34.871	289.9	3.553
650.0	3.610	34.876	287.3	3.564
700.0	3.595	34.877	288.2	3.545
750.0	3.534	34.870	291.3	3.480
800.0	3.489	34.865	293.3	3.432
850.0	3.502	34.868	292.4	3.442
900.0	3.497	34.869	292.6	3.433
950.0	3.492	34.870	292.6	3.424
1000.0	3.486	34.869	293.2	3.414
1050.0	3.493	34.871	292.8	3.417
1100.0	3.500	34.874	292.4	3.420
1150.0	3.560	34.887	287.9	3.475
1200.0	3.625	34.903	281.9	3.535
1250.0	3.657	34.915	277.5	3.563
1300.0	3.628	34.916	277.1	3.529
1350.0	3.603	34.923	274.4	3.501
1400.0	3.562	34.924	273.5	3.455
1450.0	3.526	34.925	273.6	3.416
1500.0	3.451	34.924	274.0	3.338
1550.0	3.374	34.924	275.3	3.256
1600.0	3.295	34.923	275.9	3.174
1650.0	3.254	34.923	276.5	3.129
1700.0	3.173	34.923	276.9	3.045
1750.0	3.082	34.923	277.9	2.951
1800.0	3.045	34.922	278.1	2.910
1850.0	2.984	34.922	278.6	2.846
1900.0	2.915	34.922	279.0	2.773
1950.0	2.867	34.922	279.4	2.721
2000.0	2.849	34.922	279.3	2.699
2050.0	2.810	34.922	279.6	2.656
2100.0	2.778	34.923	279.2	2.620
2150.0	2.739	34.924	278.7	2.577
2200.0	2.708	34.924	278.5	2.542
2250.0	2.664	34.922	279.4	2.493
2300.0	2.619	34.921	279.7	2.445
2350.0	2.569	34.920	279.0	2.391
2400.0	2.502	34.917	280.6	2.321
2450.0	2.434	34.915	284.3	2.249
2500.0	2.400	34.914	285.3	2.212
2550.0	2.392	34.913	285.4	2.198
2592.0	2.341	34.912	286.4	2.144


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 158

Profile : 159	Cruise : GEOVIDE (Classic)
Station : 77	Cast : 9
Date : 26/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2563 m	Organism : CNRS - IFREMER
Position : N 52 59.68 W 051 5.75	

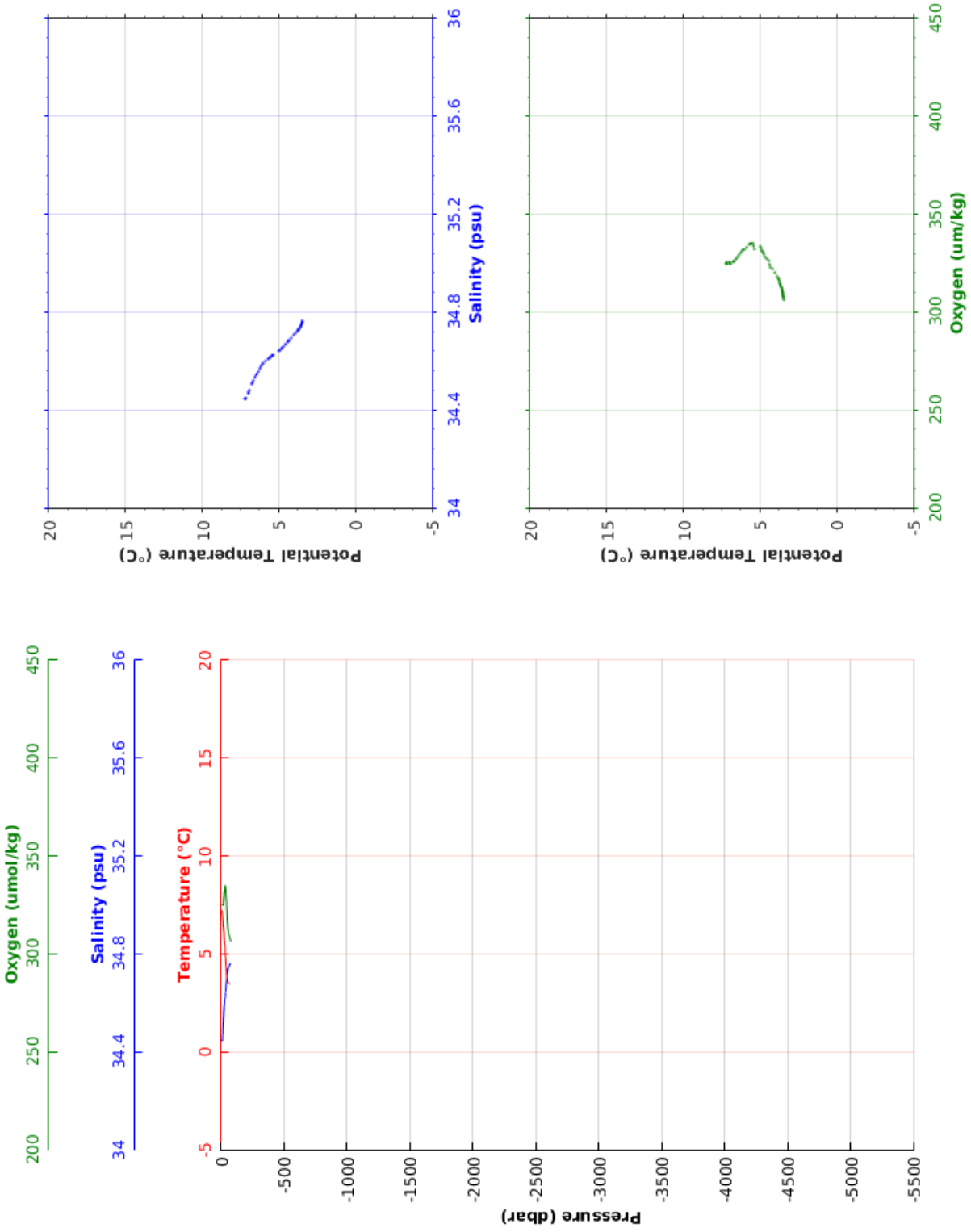
PRESSURE dbar	TEMPERATURE deg.cels.	SALINITY psu	DISSOLV. OXYGEN umol/kg	POTENT. TEMP. deg.cels.
1.0	7.035	34.473	323.8	7.035
10.0	6.785	34.490	325.2	6.784
20.0	6.118	34.578	333.4	6.116
30.0	4.749	34.662	332.4	4.747
40.0	4.100	34.705	320.6	4.097
50.0	3.803	34.725	315.3	3.800
100.0	3.446	34.762	307.3	3.439
150.0	3.428	34.808	302.3	3.418
200.0	3.427	34.822	299.7	3.414
250.0	3.449	34.832	298.0	3.432
300.0	3.482	34.839	296.6	3.462
350.0	3.571	34.856	292.7	3.548
400.0	3.560	34.856	293.1	3.533
450.0	3.567	34.861	292.5	3.536
500.0	3.509	34.855	294.9	3.475
550.0	3.496	34.856	295.4	3.458
600.0	3.551	34.865	292.7	3.509
650.0	3.520	34.862	293.6	3.475
700.0	3.494	34.861	294.3	3.445
750.0	3.471	34.860	295.6	3.418
800.0	3.464	34.860	295.5	3.408
850.0	3.474	34.863	294.9	3.414
900.0	3.479	34.865	294.4	3.414
950.0	3.493	34.868	293.2	3.424
1000.0	3.498	34.871	292.7	3.426
1003.0	3.497	34.871	292.7	3.424


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 159

Profile	: 160	Cruise	: GEOVIDE (Classic)
Station	: 77	Cast	: 11
Date	: 26/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 2563 m	Organism	: CNRS - IFREMER
Position	: N 52 59.68 W 051 5.75		

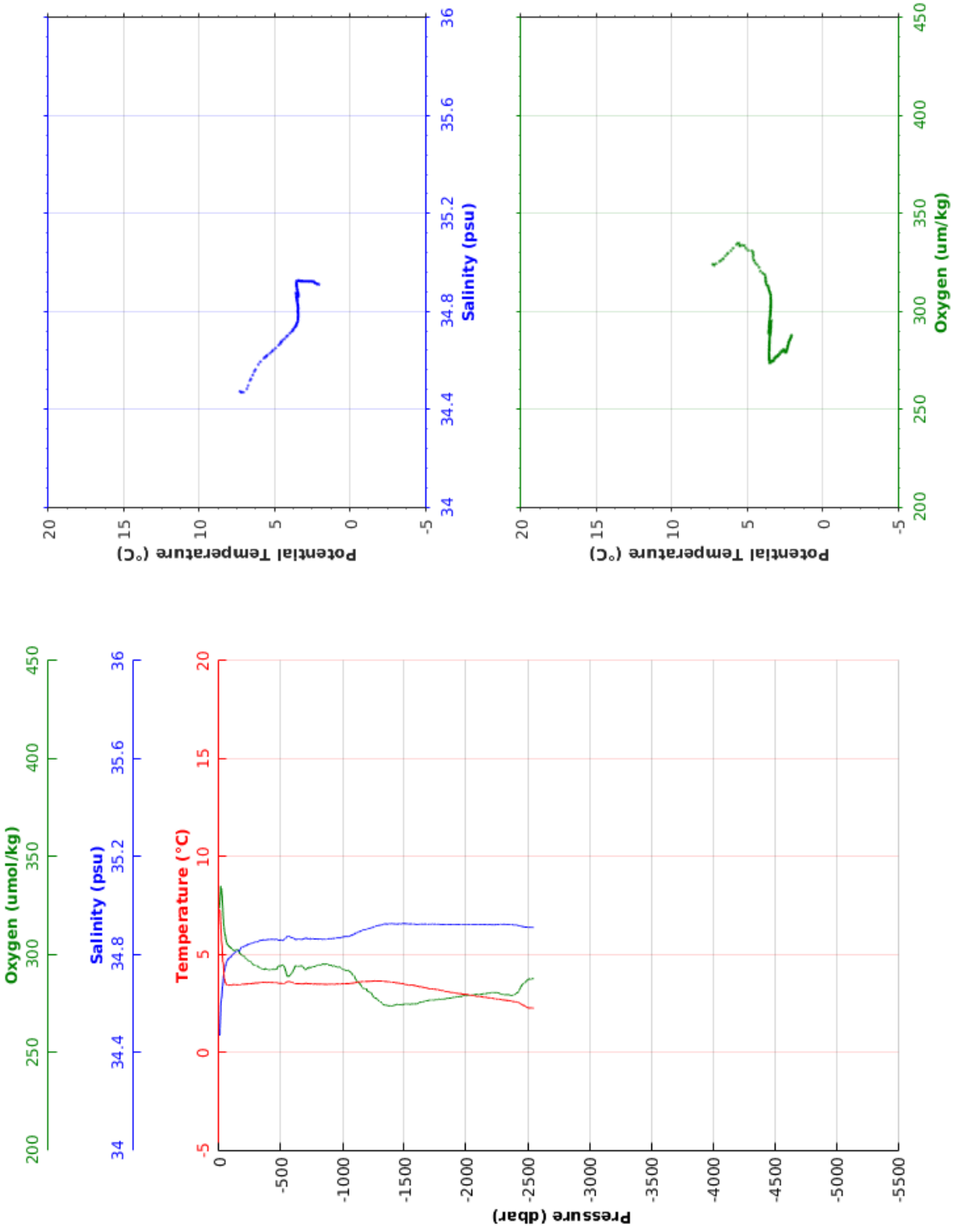
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.221	34.445	325.0	7.221
10.0	6.973	34.471	324.9	6.972
20.0	6.152	34.579	331.6	6.150
30.0	5.359	34.624	332.2	5.356
40.0	4.327	34.685	322.8	4.324
50.0	3.621	34.736	312.6	3.618
71.0	3.456	34.763	306.4	3.451


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 160

Profile : 161	Cruise : GEOVIDE (Classic)
Station : 77	Cast : 12
Date : 26/06/2014	Ship : N/O Pourquoi pas ?
Depth : 2522 m	Organism : CNRS - IFREMER
Position : N 52 59.68 W 051 5.75	

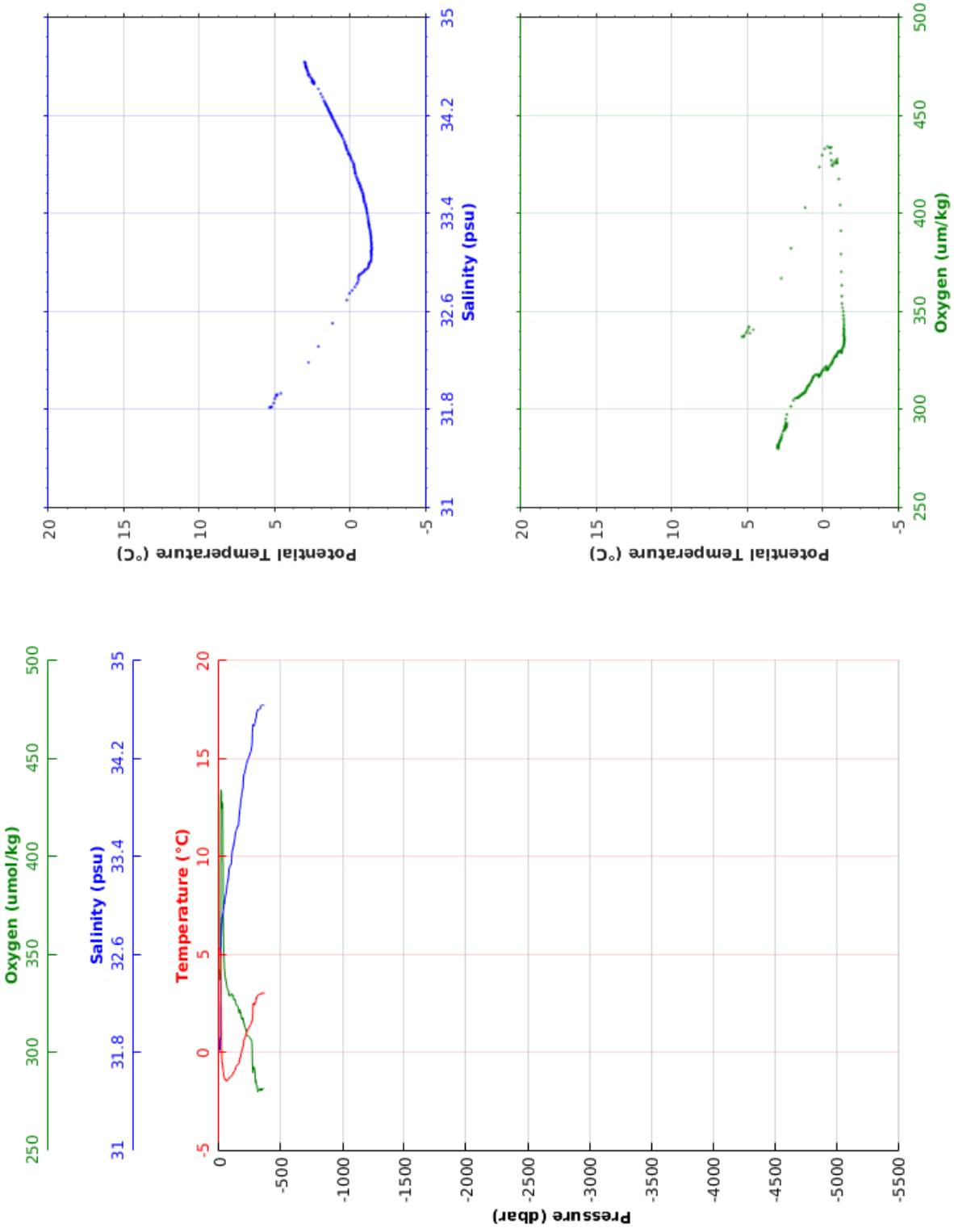
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	7.284	34.473	324.0	7.284
10.0	6.836	34.483	325.4	6.835
20.0	5.637	34.611	334.7	5.635
30.0	4.609	34.668	330.4	4.607
40.0	3.841	34.718	318.8	3.839
50.0	3.576	34.741	311.8	3.572
100.0	3.427	34.789	303.5	3.420
150.0	3.439	34.811	302.4	3.429
200.0	3.471	34.830	299.4	3.458
250.0	3.503	34.842	296.6	3.486
300.0	3.532	34.850	294.1	3.512
350.0	3.566	34.858	292.6	3.542
400.0	3.566	34.861	292.2	3.539
450.0	3.551	34.860	292.5	3.520
500.0	3.516	34.858	294.1	3.482
550.0	3.595	34.872	290.4	3.556
600.0	3.555	34.868	290.7	3.513
650.0	3.506	34.863	293.6	3.460
700.0	3.513	34.866	292.5	3.464
750.0	3.491	34.863	293.4	3.439
800.0	3.476	34.862	294.4	3.420
850.0	3.469	34.862	295.1	3.409
900.0	3.474	34.864	294.5	3.409
950.0	3.480	34.866	293.9	3.412
1000.0	3.496	34.870	292.7	3.423
1050.0	3.498	34.872	291.9	3.422
1100.0	3.544	34.882	289.0	3.463
1150.0	3.599	34.895	284.6	3.513
1200.0	3.613	34.903	282.1	3.523
1250.0	3.639	34.912	278.7	3.545
1300.0	3.639	34.919	276.2	3.541
1350.0	3.611	34.924	274.0	3.508
1400.0	3.578	34.925	273.7	3.471
1450.0	3.529	34.924	274.4	3.418
1500.0	3.483	34.926	274.5	3.369
1550.0	3.423	34.924	274.5	3.306
1600.0	3.381	34.923	274.8	3.259
1650.0	3.318	34.924	275.9	3.192
1700.0	3.248	34.923	276.3	3.119
1750.0	3.220	34.923	276.7	3.087
1800.0	3.149	34.922	277.1	3.012
1850.0	3.089	34.922	277.5	2.949
1900.0	3.039	34.922	277.9	2.895
1950.0	2.995	34.922	278.4	2.847
2000.0	2.949	34.922	278.8	2.797
2050.0	2.903	34.922	279.0	2.748
2100.0	2.854	34.922	279.5	2.694
2150.0	2.807	34.922	279.8	2.644
2200.0	2.770	34.922	280.3	2.603
2250.0	2.716	34.922	280.4	2.545
2300.0	2.683	34.923	279.5	2.508
2350.0	2.629	34.922	279.3	2.450
2400.0	2.581	34.920	279.4	2.398
2450.0	2.449	34.915	283.5	2.264
2500.0	2.273	34.910	286.8	2.086
2550.0	2.248	34.910	287.8	2.057
2551.0	2.244	34.910	287.7	2.054


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 161

Profile	: 162	Cruise	: GEOVIDE (Classic)
Station	: 78	Cast	: 1
Date	: 27/06/2014	Ship	: N/O Pourquoi pas ?
Depth	: 376 m	Organism	: CNRS - IFREMER
Position	: N 51 59.33 W 053 49.01		

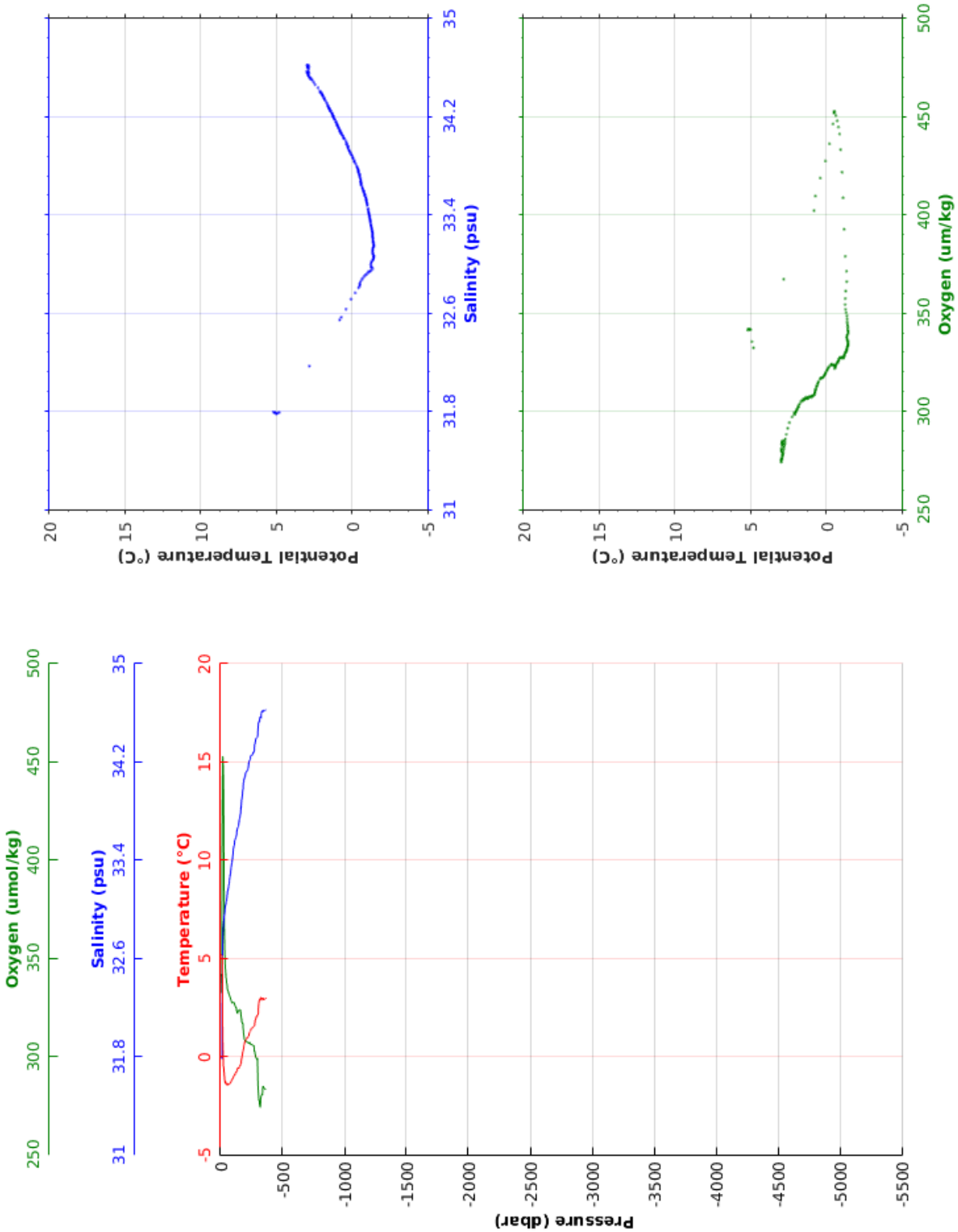
PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	5.323	31.816	337.1	5.322
10.0	4.983	31.884	340.2	4.983
20.0	0.022	32.747	429.8	0.021
30.0	-0.763	32.908	425.7	-0.763
40.0	-1.250	32.974	370.2	-1.250
50.0	-1.420	33.047	342.5	-1.421
100.0	-1.229	33.333	328.7	-1.231
150.0	-0.650	33.637	323.9	-0.654
200.0	0.509	34.029	317.3	0.501
250.0	1.347	34.229	307.6	1.335
300.0	2.772	34.535	285.4	2.754
350.0	3.026	34.638	280.3	3.004
371.0	3.000	34.636	281.5	2.977


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 162

Profile : 163	Cruise : GEOVIDE (Classic)
Station : 78	Cast : 5
Date : 27/06/2014	Ship : N/O Pourquoi pas ?
Depth : 377 m	Organism : CNRS - IFREMER
Position : N 51 59.33 W 053 49.00	

PRESSURE	TEMPERATURE	SALINITY	DISSOLV. OXYGEN	POTENT. TEMP.
dbar	deg.cels.	psu	umol/kg	deg.cels.
1.0	5.168	31.791	341.6	5.168
10.0	5.107	31.791	341.9	5.106
20.0	0.049	32.714	427.5	0.048
30.0	-0.962	32.916	433.3	-0.963
40.0	-1.282	33.013	352.0	-1.283
50.0	-1.464	33.063	340.3	-1.465
100.0	-1.112	33.418	327.2	-1.115
150.0	-0.570	33.690	323.4	-0.574
200.0	0.779	34.081	308.4	0.770
250.0	1.435	34.251	306.0	1.423
300.0	2.116	34.405	298.3	2.099
350.0	2.913	34.620	284.8	2.892
371.0	2.941	34.623	283.2	2.917


Potential Temperature (°C)
Salinity (psu)
Potential Temperature (°C)
Oxygen (um/kg)
Oxygen (umol/kg)
Salinity (psu)
Temperature (°C)
Pressure (dbar)

Profile : 163