

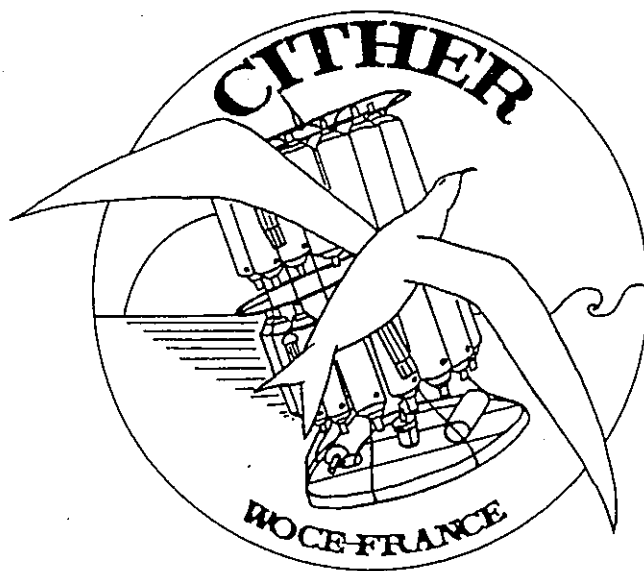
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CNRS / IFREMER / Université de Bretagne Occidentale

Campagne CITHER-1
N/O L'ATALANTE (2 janvier-19 mars 1993)

Recueil de données
Volume 2 : CTD-O₂

par

Le Groupe CITHER-1



Organismes et laboratoires
maîtres d'oeuvre:

ORSTOM
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LODYC (CNRS-ORSTOM-UPMC)
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Rapport Interne LPO 94-04

Résumé

De janvier à mars 1993 s'est déroulée la campagne CITHER 1 du programme WOCE-France, dans le but d'estimer et d'analyser les échanges inter-hémisphériques océaniques dans l'Océan Atlantique. Les paramètres hydrologiques et géochimiques requis par le Programme Hydrologique de WOCE (WHP) ont été mesurés de la surface au fond, à 223 stations situées le long de deux radiales transocéaniques à 4°30S et 7°30N, et, entre ces latitudes, le long des méridiens 35°W et 4°W. Ce rapport, qui est le deuxième volume de la série des recueils de données CITHER 1, présente les mesures des paramètres de la bathysonde (pression, température, salinité, et oxygène dissous). Les mesures des autres paramètres (paramètres "en route" et paramètres géochimiques) seront trouvés dans les trois autres volumes. Le volume 1 décrit également les objectifs du programme CITHER et de sa première campagne CITHER 1.

Summary

From January to March 1993 the cruise CITHER 1 from the WOCE-France programme took place with the main purpose of estimating and analysing the cross equatorial oceanic exchanges in the Atlantic Ocean. With this aim the hydrologic and geo-chemical parameters of the WOCE Hydrologic Programme (WHP) were measured at 223 top to bottom stations along two transoceanic transects at 4°30S and 7°30N, and between these latitudes along 35°W and 4°W. This report, which constitutes volume 2 of the CITHER 1 data report, presents the CTD-O₂ measurements. The other parameters ("en route" and geo-chemical parameters) are found in the three other volumes. Volume 1 also describes the general objectives of the CITHER programme, and the specific objectives of its first cruise CITHER 1.

Table des Matières

I - Le Groupe CITHER 1	1
II - Contributions à l'acquisition des données d'hydrologie et à la rédaction de ce recueil.	2
III - Calibration des mesures CTD-O₂	5
1- <u>Acquisition des données CTD-O₂</u>	5
2 - <u>Echantillonnage en mer</u>	6
3 - <u>Analyse des échantillons de salinité et d'oxygène dissous</u>	6
3.1 - <i>Salinité</i>	6
3.2 - <i>Oxygène dissous</i>	7
4 - <u>Etalonnage de la mesure de pression sur les profils CTD</u>	8
4.1 - <i>Etalonnage du capteur dans les conditions du laboratoire à 20°C</i>	8
4.2 - <i>Influence de la température. Effet statique</i>	9
4.3 - <i>Influence de la température. Effet dynamique</i>	9
4.4 - <i>Correction de la mesure de pression sur les profils CTD et au niveau des prélèvements</i>	10
4.5 - <i>Vérifications de la mesure de pression CTD après correction</i>	10
5 - <u>Etalonnage de la température sur les profils CTD</u>	11
5.1 - <i>Mode opératoire</i>	11
5.2 - <i>Vérification de la mesure de température CTD après correction</i>	12
6 - <u>Calibration de la conductivité sur les profils CTD</u>	13
6.1 - <i>Mode opératoire</i>	13
6.2 - <i>Stratégie de regroupement des stations de la campagne CITHER 1</i>	13
6.3 - <i>Bilan de la calibration des profils</i>	14
6.4 - <i>Vérification des résultats</i>	14
7 - <u>Calibration des profils d'oxygène dissous</u>	15
7.1 - <i>Mode opératoire</i>	15
7.2 - <i>Unités d'oxygène dissous</i>	16
7.3 - <i>Stratégie de regroupement des stations</i>	16
7.4 - <i>Bilan de la calibration des profils</i>	16
7.5 - <i>Vérification des résultats</i>	17
8 - <u>Bibliographie</u>	17
IV - Listings et figures des paramètres "bathysonde"	53

I - Le Groupe CITHER 1

Le programme CITHER est l'une des contributions Françaises du programme international WOCE (World Ocean Circulation Experiment). Son objectif est de réaliser cinq radiales d'hydrologie/géochimie légère du réseau WHP (WOCE Hydrographic Programme) dans l'Atlantique Sud, et d'en analyser les résultats, indépendamment, puis en association avec les données recueillies par d'autres pays.

L'objet de la campagne CITHER 1, première du programme, était de réaliser les deux radiales transocéaniques A6 et A7 du WHP, le long des parallèles 7°30N et 4°30N, respectivement. Cette campagne, qui s'est déroulée sur le Navire Océanographique Français l'ATALANTE, a bénéficié d'une coopération étroite entre plusieurs laboratoires. La coordination de la campagne a été assurée par Claude Oudot (ORSTOM*/Cayenne) et les responsabilités de Chef de Mission par Alain Morlière (ORSTOM/LODYC*) puis Christian Colin (ORSTOM*/Cayenne). Aux plans technique et scientifique, les mesures des divers paramètres étaient sous la responsabilité des chercheurs dont les noms sont indiqués dans le tableau I-1 ci-dessous.

	1ère et 2ème parties Pointe-Noire⇒Cayenne	3ème et 4ème parties Cayenne⇒Pointe-Noire
Mesures d'hydrologie (bathysonde et prélèvements)	Michel Arhan (LPO/IFREMER*)	Herlé Mercier (LPO/CNRS*)
Analyses des Sels Nutritifs	Claude Oudot (ORSTOM*/Cayenne)	Claude Oudot (ORSTOM*/Cayenne) P. Morin (LOC/UBO)
Analyses des Chlorofluorométhanés	Chantal Andrié (ORSTOM*/LODYC)	Chantal Andrié (ORSTOM*/LODYC)
Prélèvements Hélium 3/Tritium	Philippe Jean-Baptiste (LMCE*/Saclay)	Philippe Jean-Baptiste (LMCE*/Saclay)
Système Carbonique	Claude Oudot (ORSTOM*/Cayenne)	Claude Oudot (ORSTOM*/Cayenne)

Tableau I-1 : Chercheurs du groupe CITHER 1 responsables des divers types de mesures.

Le programme CITHER et la campagne CITHER 1 sont financés par l'IFREMER*, l'ORSTOM*, et le CNRS*, à travers le Programme National d'Etude de la Dynamique du Climat (PNEDC*). L'Université de Bretagne Occidentale et le Centre d'Etudes Nucléaires de Saclay y contribuent également. Nous remercions aussi les commandants et l'équipage du Navire Océanographique l'ATALANTE pour leur concours précieux au cours de cette campagne.

* La signification des acronymes utilisés dans le texte est donnée dans la partie II de ce rapport.

II - Contributions à l'acquisition des données d'hydrologie et à la rédaction de ce recueil.

Ce rapport de données consacré aux mesures de la sonde CTD-O₂ de la campagne CITHER 1 est le deuxième des quatre volumes consacrés à cette campagne. Le premier volume contient une présentation d'ensemble de la campagne et les résultats des mesures "en route" des paramètres météorologiques, de la bathymétrie, et du courant par courantométrie Doppler de coque.

Le troisième volume présente les mesures des paramètres chimiques de base du programme WOCE, effectuées sur prélèvements d'eau : salinité, oxygène dissous, sels nutritifs, et fréons.

Le quatrième volume rassemble les résultats des paramètres du système carbonique, des gaz dissous et des pigments chlorophylliens.

Les noms et affiliations de l'ensemble du personnel scientifique embarquant ayant contribué au cours de la campagne à l'acquisition des données de bathysonde ou aux analyses de salinité et d'oxygène dissous en vue de leur calibration, sont listés dans le tableau II-1 ci-dessous.

<i>PRENOM</i>	<i>NOM</i>	<i>CONTRIBUTION</i>	<i>LABORATOIRE</i>	<i>PARTIE DE LA CAMPAGNE</i>
Michel	ARHAN	CTD	LPO/IFREMER	1 2
Sabine	ARNAULT	CTD / S	ORSTOM/LODYC	3 4
André	BILLANT	CTD, S, O ₂	LPO/IFREMER	2 3 4
J.-Michel	BORE	CTD	ORSTOM/CAYENNE	1 2 3 4
Bernard	BOURLES	CTD, S	ORSTOM/CAYENNE	1 2 3 4
Pierre	BRANELLEC	S, O ₂	LPO/IFREMER	1 2
Elisabete	BRAGA	O ₂	IOUSP/SAO PAULO	3 4
Rémy	CHUCHLA	O ₂	ORSTOM/CAYENNE	1
Souleymane	CISSOKO	CTD	CRO/ABIDJANA	4
Daniel	CORRE	CTD	ORSTOM/BREST	3 4
François	DANGU	S	ORSTOM/CAYENNE	1 2 3 4
Nathalie	DANIAULT	CTD	LPO/IFREMER	1
J.-Pierre	GIRARDOT	CTD/Electronique	LPO/IFREMER	3 4
J.-Pierre	GOUILLOU	CTD/Electronique	LPO/IFREMER	1 2
Yves	GOURIOU	CTD/S	ORSTOM/BREST	1 2 3 4
Catherine	HEMON	CTD	LPO/IFREMER	3 4
Philippe	HISARD	S	ORSTOM/ MONTPELLIER	3 4
Milton	KAMPEL	CTD / O ₂	INPE/BRESIL	1 2
Lamine	KEITA	CTD	CERESCOR/ CONAKRY	3
J.-Jacques	LECHAUVE	CTD	ORSTOM/BREST	1 2
J.-François	MAKAYA	CTD	ORSTOM/PTE NOIRE	1
Herlé	MERCIER	CTD	LPO/IFREMER	3 4
Birane	SAMB	CTD	CRO/DAKAR	3

Tableau II-1 : Liste du personnel scientifique ayant contribué à l'acquisition des données de bathysonde (CTD) ou aux analyses de salinité (S) et d'oxygène dissous (O₂) au cours de la campagne CITHER 1.

Les significations des acronymes utilisés dans le tableau II-1 et dans le texte sont les suivantes :

CITHER : Circulation THERmohaline

ORSTOM : Institut Français de Recherche Scientifique pour le Développement en Coopération

IFREMER : Institut Français de Recherche pour l'Exploitation de la Mer

CNRS : Centre National de la Recherche Scientifique

PNEDC : Programme National d'Etude de la Dynamique du Climat

IOUSP : Instituto Oceanografico de Universidade de Sao Paulo

CRO/Abidjan : Centre de Recherches Océanographiques d'Abidjan

CRO/Dakar : Centre de Recherches Océanographiques de Dakar

INPE : Instituto Nacional de Pesquisas Espaciais

CERESCOR : CENTre de REcherches Scientifiques de CONakRy

La préparation technique de l'équipement d'hydrologie (bathysondes, rosettes de prélèvement) et d'analyses de salinité et d'oxygène dissous avait été assurée avant la campagne par le groupe technique du Laboratoire de Physique des Océans (A. Billant, P. Branellec, J.P. Gouillou, assistés d'autres collègues). Les étalonnages pré- et post-campagne des bathysondes et des thermomètres et pressiomètres à renversement ont été réalisés au Laboratoire de Métrologie du Centre de Brest d'IFREMER par M. Cambon. Après la campagne, la calibration des données a été assurée par A. Billant et P. Branellec. Ce rapport a été préparé au Laboratoire de Physique des Océans par A. Billant et P. Branellec (partie III), et Catherine Lagadec (partie IV). J. Le Gall, M. Miossec, et P. Le Bot ont assuré la frappe du texte et la préparation des figures.

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III - Calibration des mesures CTD-O₂

(A. Billant et P. Branellec, Laboratoire de Physique des Océans)

1 - Acquisition des données CTD-O₂

La campagne CITHER 1 se compose de 223 stations CTD-O₂ et deux sondes de type Neil-Brown Mark III (numéros de série : 2521 et 2782) ont été utilisées pour la réalisation. La figure 1 représente la position géographique des stations et indique les événements marquants dans le déroulement de la campagne.

Ces événements sont de plusieurs types :

- Interruption des travaux le long de la radiale 4°30S avant l'entrée dans la Zone Economique Brésilienne, après réalisation de la station 77. Après l'escale de Natal, la station 78 a été réalisée à la position de la station 77, et les travaux le long de 4°30S. ont repris en direction de l'ouest.

- La première sonde (2521) a été utilisée du départ de Pointe Noire jusqu'à la station 82. Des problèmes rencontrés sur le capteur de conductivité ont été la cause du changement de sonde avant la station 83. Le capteur d'oxygène de cette première sonde avait cependant été lui-même déjà changé avant la station 70, après avoir montré des défauts de fonctionnement aux stations 68 et 69.

- La réalisation de certaines stations d'essais techniques, ou destinées à réaliser des "blancs" pour traceurs, intercalées dans l'intervalle normal de 30 MN entre deux stations : il s'agit des stations 27, 75, 118 et 190.

Les signaux transmis par la sonde CTD-O₂ sont reçus par le système d'acquisition d'hydrologie du L.P.O. (Laboratoire de Physique des Océans) et traités selon une procédure décrite dans Billant (1985). En temps réel, les données (pression, température, conductivité, courant oxygène, température du capteur d'oxygène), à la cadence de 32 cycles par seconde, sont validées et réduites par le calculateur HP 1000 du système avant d'être stockées sur bande magnétique. La validation consiste à comparer chaque paramètre d'un cycle à sa valeur au cycle précédent : Le cycle de mesures est éliminé si la nouvelle valeur diffère de la précédente de :

0.5 dbar en pression (P)

0.032°C pour $0 < P < 1500$ ou 0.005 à $P > 1500$ en température

0.032 mmho/cm pour $0 < P < 1500$ ou 0.005 à $P > 1500$ en conductivité

0.010 μ A en courant oxygène

0.3°C en température oxygène

Une moyenne arithmétique est calculée pour chaque paramètre aux niveaux entiers de pression à condition d'avoir validé 25 % du nombre théorique de mesures dans l'intervalle

qui est de 32 pour un profil réalisé à un mètre par seconde. De cette manière, un minimum de 98 % de niveaux réduits sont obtenus sur chaque profil de la campagne CITHER 1. Le profil monté de la sonde étant perturbé par les arrêts fréquents de la sonde pour fermer les bouteilles, seul le profil de descente est exploité.

2 - Echantillonnage en mer

La rosette de prélèvement utilisée est la rosette PASH 6000 conçue au L.P.O. Initialement développée en 1984, pour supporter 16 bouteilles, elle a été équipée d'un deuxième étage de prélèvement en prévision des campagnes WOCE portant ainsi sa capacité à 32 bouteilles de 8 litres.

Les bouteilles de prélèvement sont fermées au cours de la remontée de la sonde après arrêt aux niveaux de prélèvement. Ces niveaux sont répartis entre le fond et la surface de manière à échantillonner dans toutes les masses d'eau et avoir un maximum de 300 mètres entre deux échantillons : les figures 2 et 3 montrent l'échantillonnage effectué sur les quatre radiales de la campagne.

Pour estimer l'erreur sur les méthodes analytiques, on effectue un ou deux "doublets" à chaque station en déclenchant la fermeture de deux bouteilles au même niveau de prélèvement. Le niveau des doublets est décalé à chaque station.

Au cours de la campagne 6269 mesures de salinité et 6460 mesures d'oxygène dissous ont été effectuées à bord. Dans ces analyses 275 doublets en salinité et 297 doublets en oxygène ont pu être considérés.

Afin de contrôler la mesure de pression et température CTD en mer, des pressiomètres et thermomètres de type SIS sont placés sur 12 bouteilles et retournés au niveau de leur fermeture.

Dès la remontée en surface, des échantillons sont recueillis dans chaque bouteille. Ils serviront pour les différentes analyses effectuées à bord. L'ordre de prélèvement des types d'échantillons est celui préconisé par les instructions de WOCE. L'échantillonnage se fait successivement dans les bouteilles de 1 à 32. Parallèlement aux prélèvements, la lecture des instruments SIS est effectuée.

3 - Analyse des échantillons de salinité et d'oxygène dissous

3.1 - Salinité

Les échantillons sont recueillis dans des flacons de 125 ml dont l'étanchéité est assurée par un joint en caoutchouc, après trois rinçages successifs. Dès la fin des prélèvements, les échantillons sont placés dans le conteneur d'analyses dont la température est contrôlée et fixée à $20 \pm 1^\circ\text{C}$. Les échantillons sont analysés 20 à 30 heures après le prélèvement.

La salinité des échantillons est déterminée d'après l'équation PSS 78 (UNESCO, 1981). Le salinomètre est standardisé en utilisant des ampoules d'eau normale du lot P 120 ($K_{15} = 0.99985$) fabriquées à WORMLEY le 6 avril 1992. La température du bain thermostaté est fixée à 21°C .

Tous les jours, avant chaque série d'analyses, la standardisation de l'appareil est vérifiée puis ajustée si nécessaire. Après l'analyse des 32 échantillons d'une station, la standardisation est vérifiée par une nouvelle ampoule d'eau normale puis consignée sur la

fiche d'analyses. Pour chaque échantillon, trois rinçages successifs de la cellule sont effectués avant de faire deux ou trois lectures séparées à chaque fois par un rinçage.

Les trois salinomètres disponibles à bord ont été utilisés pendant la campagne : un Guildline G 8400 (B) et deux Guildline PORTASAL (A et C). Les changements d'appareil en début de campagne résultaient du fait que les salinomètres A et B n'étaient pas jugés suffisamment stables. C'était le cas en particulier du salinomètre B pour lequel la salinité de l'eau normale variait de 0.001 ou 0.002 avec un maximum de 0.003 entre le début et la fin d'une série d'analyses après deux heures et demie d'utilisation. L'instabilité du salinomètre A atteignait 0.001 dans le même temps. Dans ce cas, une nouvelle standardisation était effectuée après chaque série. Les mesures de salinité ont été corrigées en admettant que la dérive est linéaire. La variation maximum observée pour le troisième appareil était de 0.001 en fin de journée après quatre séries d'analyses.

Chacun de ces appareils a été utilisé de la manière suivante :

- stations 1 à 10 puis 19 à 119 : PORTASAL (A)
- stations 11 à 18 : GUILDLINE G 8400 (B)
- stations 120 à 223 : PORTASAL (C)

La répétabilité des prélèvements et analyses a été vérifiée à quelques stations en cours de campagne en fermant un grand nombre de bouteilles au même niveau. Ce fut le cas aux stations 27 (32 bouteilles à 2000 dbars), 75 (26 bouteilles à 4400 dbars), 118 (27 bouteilles à 2500 dbars) et 190 (24 bouteilles à 1000 dbars).

Pour ces quatre "tests", toutes les valeurs de salinité se trouvent à ± 0.003 de la valeur moyenne et l'écart-type est respectivement de 0.0009, 0.0018, 0.0011 et 0.0016. On peut en déduire que la répétabilité des mesures de salinité de la campagne est systématiquement inférieure à 0.0020.

La figure 4 montre les écarts de salinité obtenus sur les doublets de la campagne : ils ont été réalisés de manière continue du début à la fin à tous les niveaux de prélèvement.

Les écarts des deux mesures de salinité ont été étudiés pour 275 doublets et la figure 5 en présente l'histogramme. On observe que dans 51 % des cas l'écart de salinité mesurée sur les deux bouteilles est inférieur à 0.001 et dans 85 % des cas inférieur à 0.003 et l'écart-type est de 0.0026. Ces résultats sont obtenus pour l'ensemble des échantillons prélevés entre le fond et la surface et ne sont pas améliorés en ne considérant que ceux prélevés à pression supérieure à 980 dbars.

3.2 - Oxygène dissous

Les échantillons pour analyse d'oxygène dissous sont recueillis, après les échantillons pour dosage du fréon et de l'hélium, dans des flacons à bouchon plongeur de 120 ml. Après remplissage du flacon, la température de l'échantillon est relevée avant de laisser déborder trois fois l'équivalent de volume du flacon. Après addition successive des deux réactifs et bouchage, une agitation est pratiquée pendant 30 secondes. Lorsque les 32 bouteilles ont été prélevées les flacons sont retournés un à un pour remise en suspension du précipité. Les échantillons sont entreposés dans le conteneur laboratoire à la température de 20 (± 1)°C puis analysés dans un délai de 4 à 24 heures.

Les conditions opératoires et la méthode d'analyse sont conformes aux recommandations WOCE (WOCE Operations Manual, 1991). Après acidification dans le flacon de prélèvement, l'iode libéré est dosé par une solution de thiosulfate de sodium dont la normalité est de l'ordre de 0.02N. Celle-ci est préparée en quantité suffisante pour analyser une centaine de stations. La normalité est déterminée tous les jours, avant le début des séries

d'analyses, comparativement à une solution d'iodate de potassium dont la normalité, obtenue par pesée, est 0.020001.

Le dosage est piloté par un titroprocesseur associé à une électrode de platine qui mesure le potentiel de la réaction et contrôle la burette de thiosulfate de sodium. Le volume de thiosulfate nécessaire à la réduction de l'iode est déduit du calcul automatique du point d'inflexion sur la courbe de potentiel à l'équivalence.

L'étude des résultats de dosages effectués sur les prélèvements des stations "tests" 27, 75 et 190 (bouteilles fermées à la même profondeur) montre que toutes les mesures d'oxygène sont à ± 0.013 ml/l de la valeur moyenne. L'écart-type obtenu à chacune de ces stations est respectivement de 0.003, 0.007 et 0.009 ml/l. On peut donc considérer que les mesures d'oxygène de la campagne sont reproductibles à 0.010 ml/l près.

La figure 6 montre les écarts obtenus entre les mesures effectuées sur les deux bouteilles au niveau des 297 doublets concernés et la figure 7 en présente des histogrammes. Pour l'ensemble des doublets entre le fond et la surface, 39 % des écarts sont inférieurs à 0.005 ml/l et 70 % sont inférieurs à 0.015 ml/l pour un écart-type de 0.021 ml/l. En éliminant les niveaux compris entre la surface de 980 dbars, où la variabilité en oxygène est plus importante, les classes d'écarts sont sensiblement améliorés car 45 % sont inférieurs à 0.005 ml/l et 76 % inférieurs à 0.015 ml/l pour un écart-type de 0.017 ml/l. En ne considérant que les niveaux supérieurs à 2480 dbars, l'écart-type est réduit à 0.013 ml/l.

4 - Etalonnage de la mesure de pression sur les profils CTD

Les sondes sont équipées de capteur de pression type Paine dont la résolution est de 0,1 dbar et, d'après le constructeur, la précision de ± 6.5 dbars.

De manière habituelle, les capteurs sont étalonnés avant et après la campagne au laboratoire de métrologie de l'IFREMER habilité par le Bureau National de Métrologie (B.N.M.). Le capteur est branché sur un banc balance Desgranges et Huot qui délivre une pression référence avec une erreur maximale de $\pm 0,75$ dbar au niveau 6000 dbars.

4.1 - *Etalonnage du capteur dans les conditions du laboratoire à 20°C*

Plusieurs cycles de montée et descente en pression par paliers successifs de 400 dbars sont réalisés à la température du laboratoire soit $20 \pm 1^\circ\text{C}$. Les résultats obtenus pour les deux capteurs utilisés pendant la campagne CITHER 1 sont présentés sur les figures 8 et 9 sous forme d'écarts entre la pression référence délivrée par le banc balance et la pression équivalente indiquée par le capteur sur les cycles montée en pression (profil descente de la sonde) et descente en pression (profil montée). La répartition des points résultant des étalonnages pré- et post- campagne peut être corrigée par un polynôme de degré 3. L'erreur maximale commise par ce type de correction est de 2 dbars pour la sonde 2521 entre 0 et 5400 dbars, pression maximale de son utilisation pendant la campagne.

4.2 - Influence de la température statique

La réponse de ce type de capteur est influencée par sa température interne. La température océanique présente des écarts supérieurs à 20°C entre la surface et le fond. Il est donc nécessaire de connaître la température interne du capteur en cours de profil. Celle-ci est mesurée comme paramètre annexe et transmise dans les cycles de mesure de la sonde. Le décodage de cette information montre que près de la surface la température interne est de l'ordre de 25°C (proche de la température atmosphérique) puis diminue progressivement pendant la descente de la sonde pour atteindre 10°C à la profondeur de 5000 mètres, elle est de 5°C en fin de remontée.

Cette influence de température interne du capteur sur sa réponse est étudiée au laboratoire en immergeant la sonde dans un bain d'eau à différentes températures. Après stabilisation de la température interne du capteur, on effectue un cycle de montée puis de descente en pression en relevant l'indication du capteur de pression à des paliers séparés de 1000 dbars. Cette opération est répétée en sept différents points de température compris entre 2 et 30°C. Les écarts obtenus pour chaque série de mesures sont présentés à la figure 10 : une différence de température interne de 25°C provoque un décalage de l'indication de pression de l'ordre de 5 dbars. Sur les profils CTD la température interne du capteur étant connue, une correction de température est ajoutée à la correction de linéarité mesurée à 20°C : la correction appliquée correspond aux surfaces hachurées sur la figure et atteint une valeur maximale de 3.0 dbars. Elle a été estimée en modélisant empiriquement la variation de température du capteur en cours de profil.

4.3 - Influence de l'effet dynamique de température

Le passage de la thermocline, à la descente et à la montée, provoque une variation brutale, de température. Ce choc thermique, appelé influence de température dynamique, est simulé en laboratoire afin d'étudier le comportement du capteur qui dépend essentiellement de la qualité de son isolation.

Les deux capteurs ont été soumis à une série de chocs thermiques en immergeant brutalement la sonde après un séjour à une température donnée dans un bain plus chaud ou plus froid suivant le cas. Les paramètres transmis par la sonde (pression, température in-situ et température interne du capteur de pression) sont enregistrés pendant un temps suffisamment long pour étudier le comportement du capteur après ce phénomène. La figure 11 montre un exemple pour chacun des deux capteurs :

- dans le cas de la sonde 2521, un choc de 18°C provoque un décalage de 5.4 dbars en pression après 35 minutes et la température interne du capteur a diminué de 11°C après 70 minutes,
- dans le cas de la sonde 2782, un choc de 14°C provoque un décalage de 5.4 dbars en pression après 45 minutes et la température interne du capteur a diminué de 10°C après 100 minutes.

D'après ces expériences, il a été admis que l'effet du choc thermique est totalement absorbé au bout de 4 heures pour la 2521 et après 5 heures pour la 2782.

La correction de ce type de choc a été appliquée à la pression enregistrée sur les profils de la campagne en supposant que :

- le passage de la thermocline provoque un choc thermique de 20°C et donc un décalage en pression proportionnel sur le profil descente puis de sens inverse en fin de montée,
- le profil descente est exécuté à la vitesse de 1 mètre par seconde,
- entre la fin de descente et le début de montée il faut 13 minutes pour initialiser la montée,
- l'arrêt à chaque palier pour fermer la bouteille dure 1 minute.

4.4 - Correction de la mesure de pression sur les profils CTD et au niveau des prélèvements

A la correction de l'indication du capteur de pression à la température de 20°C (polynôme de degré 3), on ajoute les corrections associées à l'effet statique et à l'effet dynamique de la température. Cette correction est calculée à chaque niveau de pression contrôlé au laboratoire (tous les 400 dbars). Ceci permet d'obtenir pour chaque capteur une série de valeurs de pression corrigées pour le profil descente et le profil montée (correction de la pression au niveau des prélèvements) : figures 12 et 13. Le polynôme de degré 5 dont la courbe est visualisée sur ces figures permet de minimiser les écarts et d'interpoler la correction aux autres niveaux de pression.

4.5 - Vérifications de la mesure de pression CTD après correction

Pendant la campagne, à chaque station, l'indication du capteur était relevée lorsque la sonde se trouvait en surface au début du profil descente puis, en fin de montée, et au niveau du retournement des pressiomètres SIS.

- En début de profil descente, la valeur de pression indiquée par le capteur 2521 confirme l'immersion réelle du capteur et, par contre, celle indiquée par le capteur 2782 est supérieure de 2.0 dbars à l'immersion réelle. En fin de profil montée, la valeur de pression indiquée est supérieure de 2.0 dbars pour la 2521 et 5.0 dbars pour la 2782 à l'immersion réelle. Les polynômes de degré 5 calculés pour corriger les profils descente et montée réalisés successivement avec les sondes 2521 puis 2782 (figures 12 et 13) permettent un recalage satisfaisant des niveaux de pression au voisinage de la surface et leur donnent une valeur qui confirme la valeur d'immersion observée en mer.

- Parmi les 8 pressiomètres SIS mis en service au début de la campagne, plusieurs d'entre eux, à la suite d'une implosion ou d'une panne, ont été éliminés en cours de campagne. Il a été possible d'exploiter totalement ou partiellement les observations de 6 instruments. Les figures 14 et 15 montrent les écarts obtenus en mer entre la lecture du pressiomètre et l'indication du capteur de pression CTD : un signe distinctif permet de considérer séparément les écarts qui correspondent aux stations 1 à 82 (sonde 2521) de ceux

obtenus aux stations 83 à 223 (sonde 2782). Les écarts sont reportés en fonction de la pression d'observation.

On observe globalement une distribution passant par une valeur maximum qui peut atteindre 30 dbars à la pression de 3000 dbars et une valeur égale à zéro à une pression proche de la surface et à 5000 dbars.

Les écarts de lecture sont justifiés par la somme arithmétique des erreurs de mesure chaque instrument. La correction cumulée déduite de leur étalonnage propre permet donc de comparer la pression vraie déduite de chacun d'eux. Les pressiomètres ont été étalonnés au laboratoire, suivant une procédure décrite dans Billant (1990), avant et après la campagne, à la température de 2.5 °C proche de celle de leur utilisation en mer : 7 niveaux de pression entre 0 et 6000 dbars sont ainsi contrôlés. La correction apportée à la mesure de pression CTD est déduite de la correction obtenue par le polynôme de degré 5 pour le profil montée (figures 12 et 13). Aux niveaux de pression contrôlés sur les pressiomètres (tous les 1000 dbars) on obtient donc une "correction de lecture" : cette correction est interpolée entre les niveaux de contrôle sur les graphiques en trait continu pour la sonde 2521 et en pointillé pour la sonde 2782.

Les résultats de 5 pressiomètres indiquent que, pour chacune des deux sondes, la pression CTD corrigée est égale à la pression corrigée du pressiomètre à 2 dbars près, dans toute la gamme de mesure. On peut donc considérer cette valeur comme l'erreur maximale affectant la mesure de pression sur les profils de la campagne.

5 - Etalonnage de la mesure de température sur les profils CTD

La mesure de température résulte de la combinaison d'un thermomètre à résistance de platine de type Rosemount avec une thermistance de type Fenwall, tel que fourni en version standard. La résolution de la mesure est de 0.0005°C et la précision annoncée par le constructeur est de 0.005°C

5.1 - Mode opératoire

Les sondes sont régulièrement étalonnées au laboratoire de métrologie de l'IFREMER avant et après chaque campagne. La sonde est totalement immergée dans un bain d'eau thermostaté dont la stabilité en température est strictement contrôlée. La température référence du bain est fournie par un thermomètre à résistance de platine de type Rosemount placé à proximité immédiate du capteur CTD. Ce thermomètre est périodiquement contrôlé et l'agrément fourni par le Bureau National de Métrologie (B.N.M.). La température mesurée est exprimée dans l'échelle EIT 90. Plusieurs points de mesure sont ainsi contrôlés en relevant l'indication de température CTD pour la comparer à la température référence du bain en plusieurs points compris entre 0 et 30°C.

Les deux sondes mises en oeuvre pendant la campagne CITHER 1 ont été utilisées sur de nombreuses campagnes depuis 1982 : les courbes d'étalonnage obtenues montrent que leur indication de température n'a pas varié de plus de 0.010°C pendant ce temps. Les résultats des étalonnages concernant cette campagne sont présentés pour chaque sonde, à la figure 16, sous forme d'écarts entre la température de référence et la température indiquée par le capteur.

Les points d'étalonnage effectués avant et après la campagne montrent que :

- la sonde 2521 est caractérisée par une bonne stabilité,
- un décalage de 0.002° à 0°C et de 0.008° à 25°C est observé pour la sonde 2782.

Les courbes représentées sur la figure sont celles du polynôme de degré 2 calculé pour corriger les mesures de température de chaque sonde. La correction appliquée à la sonde 2521 permet d'obtenir une mesure de température affectée d'une seule incertitude qui est celle de la mesure au laboratoire. Par contre, dans le cas de la 2782, on doit ajouter l'incertitude du capteur lui-même, minimisé par le polynôme de degré 2, qui est de $\pm 0.002^{\circ}\text{C}$ entre 0 et 5°C et atteint $\pm 0.004^{\circ}\text{C}$ à 25°C .

5.2 - Vérification de la mesure de température CTD après correction

Pendant la campagne, la température indiquée par le capteur est comparée à celle fournie par les thermomètres SIS au niveau de leur déclenchement à chaque station.

Les écarts obtenus sont présentés aux figures 17 et 18 au niveau des 7 thermomètres dont les mesures sont exploitables : pour les 3 de la première figure la température mesurée se situe entre 2.5 et 5°C et pour les 4 autres elle est comprise entre 1 et 2.5°C . Au changement de sonde, entre les stations 82 et 83, un décalage de $0.015 \pm 0.001^{\circ}\text{C}$ apparaît pour chaque thermomètre SIS : ce décalage correspond à la différence d'indication de température entre les 2 sondes. Cette valeur confirme l'écart de 0.016°C obtenu en laboratoire à une température de 2°C .

Les écarts de lecture proviennent de l'addition des erreurs dues à chacun des deux instruments et celles-ci peuvent être quantifiées par l'étalonnage en laboratoire. Dans le cas des sondes, la correction adoptée est la valeur qui résulte de l'application du polynôme de degré 2, à une température égale à 2°C (figure 18). Pour les thermomètres, étalonnés avant et après la campagne, la correction adoptée est la valeur moyenne des écarts obtenus à 0° , 2° et 5°C . Ces mesures en laboratoire montrent que les 6 thermomètres affichent en fin de campagne une valeur supérieure de $0.003 \pm 0.001^{\circ}\text{C}$ à celle du début.

Cette "dérive" de l'indication des thermomètres SIS est confirmée par les mesures observées en mer : l'écart moyen entre la lecture thermomètre et l'indication CTD diminue de l'ordre de 0.003°C entre le début et la fin de campagne. Après observation attentive des écarts, la dérive a été répartie comme suit : 0.001°C entre les stations 1 et 82 et 0.002°C entre les stations 83 et 223.

Les corrections de lecture, telles que décrites ci-dessus, sont schématisées sur les figures 17 et 18 en trait plein. On observe dans le cas des thermomètres 442 et 659, une bonne correspondance entre les deux types de mesure. Par contre, le décalage peut atteindre 0.004°C au niveau d'autres thermomètres. Ce décalage peut s'expliquer par une majoration de l'indication des thermomètres sous pression qui peut atteindre une valeur de 0.004°C (Billant, 1990).

Globalement, pour les 7 thermomètres considérés, l'écart moyen entre la température CTD et la température SIS est de 0.002°C , valeur qui peut être considérée comme l'erreur maximale des valeurs de température lorsque la mesure est inférieure à 5°C .

6 - Calibration de la conductivité sur les profils CTD

6.1 - Mode opératoire

La procédure de calibration, décrite dans Billant (1985), consiste à comparer la conductivité CO_S indiquée par la sonde au niveau du prélèvement à la conductivité in-situ CO_H déterminée sur les échantillons. La conductivité CO_S est obtenue en calculant une moyenne sur les valeurs transmises par la sonde au niveau de fermeture de la bouteille et en appliquant à cette moyenne la correction de l'effet de pression et de température sur la cellule. La salinité de l'échantillon est transformée en conductivité in-situ CO_H en utilisant les valeurs de pression et de température corrigées de la sonde au niveau du prélèvement.

Les valeurs de conductivité d'un profil sont corrigées en déterminant les coefficients C_1 et C_0 d'un polynôme de degré 1 pour une station, ou un groupe de stations, qui minimisent les écarts ΔC ($\Delta C = CO_H - CO_S$). Le polynôme est de la forme :

$$CO_R = C_1 * CO_S + C_0$$

Les coefficients retenus résultent d'itérations successives sur le groupe d'échantillons considéré. Le processus est stoppé lorsque, pour le sous-groupe d'échantillons considérés pour le calcul des coefficients, tous les écarts ΔC sont inférieurs à la valeur ΔC_{max} ($\Delta C_{MAX} = 2.8 * \text{écart-type}$).

6.2 - Stratégie de regroupement des stations de la campagne CITHERI

Une bonne stabilité et répétabilité du capteur sur une succession de stations permet de les regrouper en un ou deux ensembles sur chaque radiale de la campagne. Ceci est le cas de la sonde 2782, utilisée entre les stations 83 et 223. Par contre, pour la sonde 2521 utilisée au début de la campagne, un découpage "par station" a été nécessaire de la station 57 à 82. La dérive du capteur pendant cette période résultait d'un décolllement d'électrode dans la cellule de conductivité. Le phénomène s'étant accentué après l'escale (station 78), un changement de sonde après la station 82 s'est avéré nécessaire.

Les profils de la première sonde (stations 1 à 82) sont recalés en opérant de la manière suivante. Un premier calcul sur l'ensemble des stations effectuées avant l'escale (1 à 77) permet d'obtenir les coefficients C_1 et C_0 caractéristiques du capteur sur cet ensemble : pour chaque station on obtient au niveau de chaque prélèvement un écart de conductivité $\Delta C_R = CO_H - CO_R$. La visualisation de ces écarts à chaque station met en évidence deux phases distinctes de comportement du capteur :

- a) groupe de 1 à 56 : bonne stabilité et répétabilité,
- b) décalage brutal de l'ordre de 0.010 mmho/cm entre stations 56 et 58 puis diminution progressive et linéaire du décalage pour atteindre une valeur nulle à la station 77.

Le nouveau calcul pour le groupe de stations 1 à 56 conduit à la détermination de coefficients de recalage de ces profils. Le nouveau coefficient C_1 obtenu est égal au précédent, et montre que cette caractéristique C_1 est restée conservatrice. En conséquence, ce coefficient est attribué à l'ensemble des stations 1 à 77. Le terme C_0 affecté à chacun des

profils 57 à 77 est obtenu en compensant de manière linéaire, station après station, le décalage de conductivité observé. Pour les stations 78 à 82 effectuées après l'escale, les coefficients sont déterminés en faisant un calcul particulier à chaque station.

Un calcul particulier a également été fait pour les stations 75 et 119 qui étaient des stations "test" de la sonde en rechange.

6.3 - Bilan de la calibration des profils

Le tableau III-1 regroupe l'ensemble des coefficients C_1 et C_0 utilisés pour corriger les valeurs de conductivité sur les profils de la campagne. Le tableau indique également pour chaque station ou groupe le nombre d'échantillons considérés pour le calcul, le nombre de ceux retenus par le processus ainsi que la déviation standard qui en résulte pour le groupe considéré.

Pendant la campagne, la salinité a été déterminée sur 6269 échantillons : 5597 d'entre eux ont été utilisés pour déterminer les coefficients de recalage aux stations 1 à 56, 75 puis 79 à 213. Le processus de calcul en a validé 4985 soit 89.1% d'entre eux c'est-à-dire que au niveau de ces échantillons l'écart entre la conductivité de l'échantillon et la conductivité corrigée sur le profil ΔC_R est inférieur à 2.8 fois l'écart-type.

Pour les stations 57 à 74, 76 et 77 dont les coefficients ne sont pas directement issus du calcul, les échantillons retenus sont ceux dont l'écart ΔC_R est inférieur à 2.8 fois l'écart-type obtenu sur le groupe de stations 1 à 56 (0.0024).

La figure 19 représente les écarts obtenus, après recalage des profils de la campagne, au niveau de chaque échantillon validé : ces écarts sont acceptables à toutes les stations et à tous les niveaux de prélèvement.

Les histogrammes de la figure 20, indiquent que pour l'ensemble des niveaux de prélèvement la distribution des écarts est correctement centrée. On remarque que dans 38 % des cas l'écart est inférieur à 0.001 mmho/cm tandis que pour 81 % il est inférieur à 0.003.

Le bilan d'ensemble peut être établi comme suit : **les valeurs de conductivité "bathysonde" corrigée, comparées à la conductivité des 5580 échantillons validés (89.0 %) indiquent une déviation standard pour l'ensemble de la campagne de 0.0023 mmho/cm.** La validation la moins sévère est celle du groupe de stations 204 à 219 pour lequel la déviation standard est 0.0029 mmho/cm (écart maximum observé : 0.0082 mmho/cm). La valeur obtenue pour l'ensemble de la campagne est proche de l'objectif fixé par le programme WOCE (0.002 mmho/cm).

Pour faciliter la comparaison avec les résultats obtenus sur les doublets, les histogrammes d'écarts en salinité sont présentés à la figure 21 : l'écart-type en salinité est de 0.0025. Cette valeur montre qu'on ne pouvait espérer mieux de la calibration des profils CTD car elle est équivalente à celle obtenue sur les doublets.

6.4 - Vérification des résultats

Au cours de la campagne, les stations 31 et 223 puis 119 et 156 ont été effectuées à la même position géographique avec une sonde différente : la comparaison de ces mesures répétées permet de vérifier la cohérence des résultats. La figure 22 présente les diagrammes θ -S de fond à chacune de ces positions géographiques : les profils sont exactement superposés ce qui démontre que la calibration est correcte pour les 2 sondes. Les

stations 31 et 223 étant effectuées au début et à la fin de la campagne, et calibrées en groupe, on peut supposer que le jeu de données de la campagne est homogène.

Plusieurs profils de la campagne CITHER 1 ont également été comparés à des mesures réalisées par d'autres laboratoires, au cours de campagnes précédentes (GEOSECS, TTO-TAS, AJAX, OCEANUS) à des positions géographiques proches.

Deux exemples de comparaison sont présentés à la figure 23 :

- d'une part, sur le diagramme θ -S de la station 211 de CITHER 1 sont portées les mesures de "salinité CTD" de la station 45 de SAVE,
- d'autre part, sur le diagramme θ -S de la station 145 de CITHER 1 sont portées les mesures chimie de la station 63 du programme TTO-TAS.

Ces figures révèlent un très bon accord (ΔS de l'ordre de 0.001) entre les différents jeux de données.

7 - Calibration des profils d'oxygène dissous

7.1 - Mode opératoire

La teneur en oxygène dissous OXYC, exprimée en ml/l, est calculée à partir des informations OC et OT transmises par le capteur en utilisant la formule préconisée par Millard (1982).

$$OXYC = soc * OC * OXSAT * e^{oxtc (oxc1 * T + oxc2 (OT - T) + oxpc * P)}$$

OC : courant oxygène	}		
	}		
	} capteur Beckman		
OT : température de l'électrolyte	}		
	}		
	}		transmis par la sonde
	}		Neil-Brown
P : mesure pression corrigée	}		
T : mesure température corrigée	}		

soc, oxpc, oxtc, oxc1, oxc2 : caractéristiques du capteur Beckman

OXSAT : oxygène à saturation calculé par la méthode Benson et Krause (1984)

La méthode utilisée, décrite dans Billant (1985), consiste à ajuster les valeurs d'oxygène dissous (OXYC), calculées par la méthode précédente sur le profil descente, sur la valeur d'oxygène déterminée par voie chimique sur les échantillons (OH) prélevés au cours de la montée. Les mesures de la sonde en cours de descente sont moyennées dans une tranche d'eau de 15 dbars centrée sur la valeur de pression au niveau du prélèvement.

Les coefficients, caractéristiques du capteur Beckman, sont déterminés, pour un ensemble d'échantillons, en utilisant des itérations successives basées sur un principe similaire

à celui de la conductivité. Les caractéristiques du capteur sont ainsi déterminées pour une station ou un groupe de stations.

7.2 - Unités d'oxygène dissous

L'unité utilisée dans la procédure de calibration et dans les représentations graphiques de ce rapport est exprimée en millilitres par litre (ml/l).

La température des échantillons lors de leur fixation en mer a été relevée. En conséquence, la densité étant connue, l'oxygène dissous est aussi déterminé sur les échantillons en micromoles par kilogramme (μ mol/kg). Les profils de la campagne sont également recalés sur les échantillons dans cette unité.

Les données d'oxygène dissous du capteur "bathysonde" ont donc été produites dans les deux unités.

7.3 - Stratégie de regroupement des stations

Trois capteurs ont été successivement utilisés au cours de la campagne : le capteur A monté sur la sonde 2521 a dû être, après dégradation, remplacé avant la station 70 par le capteur B, le capteur C est celui qui équipe la sonde 2782 lors de sa mise en service à la station 83.

Le premier essai de recalage des profils effectués par le capteur A a révélé une dépendance des écarts ($\Delta O = OH - OXYC$) à la pression. Les distorsions observées ne peuvent être éliminées qu'en appliquant un polynôme correctif complémentaire, de degré 5 en pression, aux valeurs d'oxygène. Pour ce capteur (stations 1 à 69), il a donc été nécessaire de faire des découpages successifs par station et groupe de stations : à la détermination des caractéristiques pour chaque composante, est associé un calcul de coefficients du polynôme de degré 5 destiné à redresser le profil.

La réponse du capteur B étant différente à chaque station, ses caractéristiques ont été déterminées station par station. Celles du capteur C étant plus conservatrices, les stations d'une même radiale sont regroupées pour leur détermination.

7.4 - Bilan de la calibration des profils

Les tableaux III-2 et III-3 regroupent l'ensemble des valeurs caractéristiques des capteurs utilisées pour recalibrer les profils de la campagne. Ces tableaux indiquent, pour chaque station ou groupe, le nombre d'échantillons considérés, le nombre de ceux qui sont validés ainsi que la déviation standard dans trois classifications.

La figure 24 montre les écarts finaux, après recalage des profils, entre les valeurs d'oxygène fournies par les échantillons et par la sonde sur le profil de descente au niveau du prélèvement. La distribution de ces écarts est acceptable pour chacune des stations de la campagne mais plus large pour les stations 1 à 69.

Cette répartition en fonction de la pression montre qu'elle est correcte à tous les niveaux de prélèvements et que les écarts les plus importants observés aux stations 1 à 69 sont situés aux niveaux les plus proches de surface (inférieurs à 600 mètres) où les gradients en oxygène sont élevés.

Les histogrammes de la figure 25 révèlent une distribution correctement centrée pour l'ensemble des niveaux de prélèvement et plus particulièrement aux pressions supérieures à 1000 dbars.

Pour l'ensemble de la campagne CITHER 1, 6052 échantillons parmi les 6460 analysés, soit 93.7 %, ont été utilisés et validés pour recalibrer les profils "bathysonde" d'oxygène dissous. Les écarts en oxygène sont inférieurs à 0.025 ml/l dans 42.4 % des cas et inférieurs à 0.075 ml/l pour 83.9 %, ceci donne une déviation standard de 0.066 ml/l.

En ne considérant que la partie de profil d'oxygène supérieure à 980 dbars, soit 4387 échantillons, les écarts sont inférieurs à 0.025 ml/l pour 49.8 % et inférieurs à 0.075 ml/l pour 92.2 %. La déviation standard est réduite à 0.041 ml/l.

L'ensemble de stations 70 à 223, pour lequel la calibration est plus satisfaisante, est affecté d'une déviation standard globale de 0.046 ml/l.

7.5 - Vérification des résultats

La figure 26 montre un exemple de résultat de calibration. Cette figure présente les profils d'oxygène des stations 119 et 156, effectuées à la même position géographique avec des capteurs différents. Les valeurs d'oxygène obtenues sur les prélèvements sont également reportées. Le décalage entre les deux profils, à pression supérieure à 2500 dbars, est confirmé par les valeurs de chimie : cette différence est attribuée à une évolution dans la couche de fond car mise en évidence également par d'autres types de mesures à ces mêmes stations.

Les mesures d'oxygène de la campagne CITHER ont également été confrontées à celles d'autres campagnes effectuées par d'autres laboratoires à des positions géographiques proches. La figure 27 montre deux exemples : la station 218 comparée aux mesures extraites du "profil CTD-O₂" de la station SAVE 158 (leg 3) et la station 130 comparée aux valeurs "rosette" de la station 25 de TTO-TAS. On peut noter encore la bonne cohérence entre les mesures "bathysonde" et "bouteille" CITHER et les mesures TTO ou SAVE.

8 - Bibliographie

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Report n° 68/91 - July 1991.

Tableau III - 1

*Bilan de la calibration des profils de conductivité
de la campagne CITHER 1*

Sonde utilisée	Station ou groupe	Nombre d'échantillons considérés	Nombre d'échantillons retenus par le calcul	Déviation Standard (0 - 6000)	Coefficients	
					C1	C0
2521	1 ⇒ 56	1367	1187	0.0024	0.999357	0.0320
	57	32	28		"	0.0290
	58	32	29		"	0.0227
	59	32	28		"	0.0233
	60	32	27		"	0.0239
	61	32	29		"	0.0245
	62	32	31		"	0.0252
	63	32	28		"	0.0258
	64	32	29		"	0.0264
	65	32	27		"	0.0270
	66	32	29		"	0.0277
	67	32	30		"	0.0283
	68	32	30		"	0.0271
	69	32	26		"	0.0277
	70	32	28		"	0.0284
	71	32	31		"	0.0290
72	32	28		"	0.0296	
73	32	30		"	0.0302	
74	32	30		"	0.0309	
2782	75	32	32	0.0017	0.999022	0.0423
2521	76	32	30		0.999357	0.0303
	77	32	27		"	0.0310
	78	32	19		0.999492	0.0415
	79	32	29	0.0024	0.999716	0.0258
	80	32	30	0.0021	0.999520	0.0332
	81	32	29	0.0021	0.999382	0.0323
	82	32	29	0.0019	0.999096	0.0405
2782	83⇒91	237	211	0.0022	0.999781	0.0063
	92⇒118	769	686	0.0021	0.999695	0.0072
2521	119	32	29	0.0013	0.999862	0.0379
2782	120⇒203	2425	2164	0.0021	0.999589	0.0112
	204⇒219	479	442	0.0029	0.999545	0.0106
	220⇒223	128	117	0.0020	0.999687	0.0106

Tableau III - 2

Bilan de la calibration des profils d'oxygène dissous de la campagne CITHER 1

Capteur utilisé	Station ou groupe	Nombre d'échantillons considérés	Nombre d'échantillons retenus par le calcul	Déviation Standard			Coefficients				
				0-6000	0-1000	1000-6000	SOC	OXPC	OXC	OXC2	
Capteur A	1 ⇒ 11	189	184	0.179	0.244	0.053	0.0356	0.000193	- 0.0169	3.552	Correction supplémentaire par polynome de degré 5
	12	30	30	0.103	0.165	0.044	0.0394	0.000165	- 0.0334	0.769	
	13	30	30	0.093	0.185	0.045	0.0404	0.000153	- 0.0246	1.511	
	14	31	31	0.095	0.156	0.038	0.0388	0.000163	- 0.0227	1.497	
	15	31	31	0.098	0.209	0.035	0.0409	0.000149	- 0.0252	1.677	
	16	32	32	0.131	0.240	0.029	0.0403	0.000155	- 0.0260	1.553	
	17 ⇒ 21	160	143	0.061	0.120	0.045	0.0468	0.000122	- 0.0348	2.678	
	22	32	32	0.076	0.135	0.027	0.0408	0.000154	- 0.0239	1.791	
	23	29	29	0.059	0.103	0.032	0.0425	0.000147	- 0.0261	1.311	
	24	32	31	0.054	0.088	0.023	0.0404	0.000162	- 0.0237	1.420	
	25	31	31	0.037	0.070	0.025	0.0444	0.000141	- 0.0285	1.341	
	26 et 27	35	34	0.063	0.111	0.030	0.0422	0.000155	- 0.0256	1.347	
	28 ⇒ 67	1251	1216	0.082	0.127	0.046	0.0430	0.000149	- 0.0267	1.402	
	68 *	32	27	0.102	0.148	0.118	0.0430	0.000128	- 0.0270	1.210	
69 *	32	31	0.049	0.064	0.046	0.0440	0.000137	- 0.0272	0.972		
Capteur B	70	32	32	0.062	0.111	0.043	0.0658	0.000138	- 0.0348	0.596	
	71	32	31	0.051	0.087	0.041	0.0712	0.000131	- 0.0335	0.933	
	72	32	30	0.065	0.113	0.053	0.0750	0.000125	- 0.0349	1.111	
	73	32	31	0.047	0.047	0.047	0.0732	0.000131	- 0.0343	0.820	
	74	32	32	0.036	0.042	0.035	0.0712	0.000139	- 0.0328	1.102	
	75•	32	29								

* Les profils 68 et 69 sont partiellement inexploitable.

• Le profil 75 est totalement inexploitable.

Bilan de la calibration des profils d'oxygène dissous de la campagne CITHER 1

Capteur utilisé	Station ou groupe	Nombre d'échantillons considérés	Nombre d'échantillons retenus par le calcul	Déviation Standard				Coefficients			
				0-6000	0-1000	1000-6000	SOC	OXPC	OXTC	OXC2	
											0.037
Capteur B	76	32	31	0.037	0.043	0.037	0.0683	0.000143	-0.0326	0.799	
	77	32	31	0.031	0.033	0.031	0.0698	0.000142	-0.0341	0.657	
	78	32	32	0.066	0.077	0.063	0.0698	0.000140	-0.0331	0.938	
	79	32	32	0.044	0.080	0.029	0.0689	0.000144	-0.0328	0.687	
	80	32	29	0.016	0.008	0.018	0.0694	0.000144	-0.0331	0.521	
	81	32	29	0.048	0.043	0.050	0.0703	0.000142	-0.0333	0.817	
Capteur C	82	32	32	0.052	0.082	0.042	0.0707	0.000143	-0.0345	0.753	
	83 ⇒ 91	236	221	0.059	0.086	0.043	0.0566	0.000148	-0.0307	0.563	
Capteur B	92 ⇒ 118	769	717	0.054	0.074	0.044	0.0559	0.000149	-0.0295	0.658	
	119	32	31	0.046	0.083	0.027	0.0679	0.000157	-0.0316	0.698	
Capteur C	120 ⇒ 203	2423	2213	0.045	0.058	0.040	0.0562	0.000147	-0.0304	0.609	
	204 ⇒ 223	607	557	0.037	0.048	0.033	0.0551	0.000149	-0.0294	0.642	

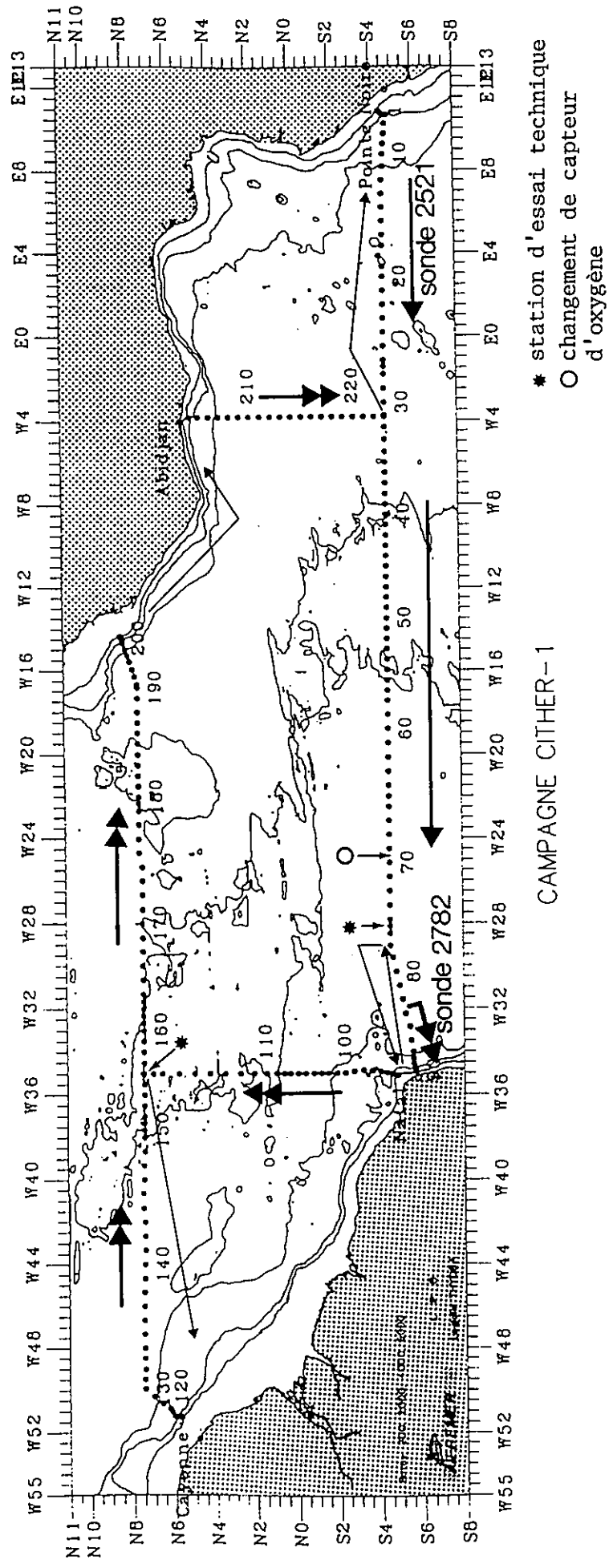


Figure 1 : Position géographique des 223 stations de la campagne COTCHER 1
 Les principaux "événements" intervenus en cours de campagne sont répertoriés.

Campagne CITHER 1
Répartition des prélèvements

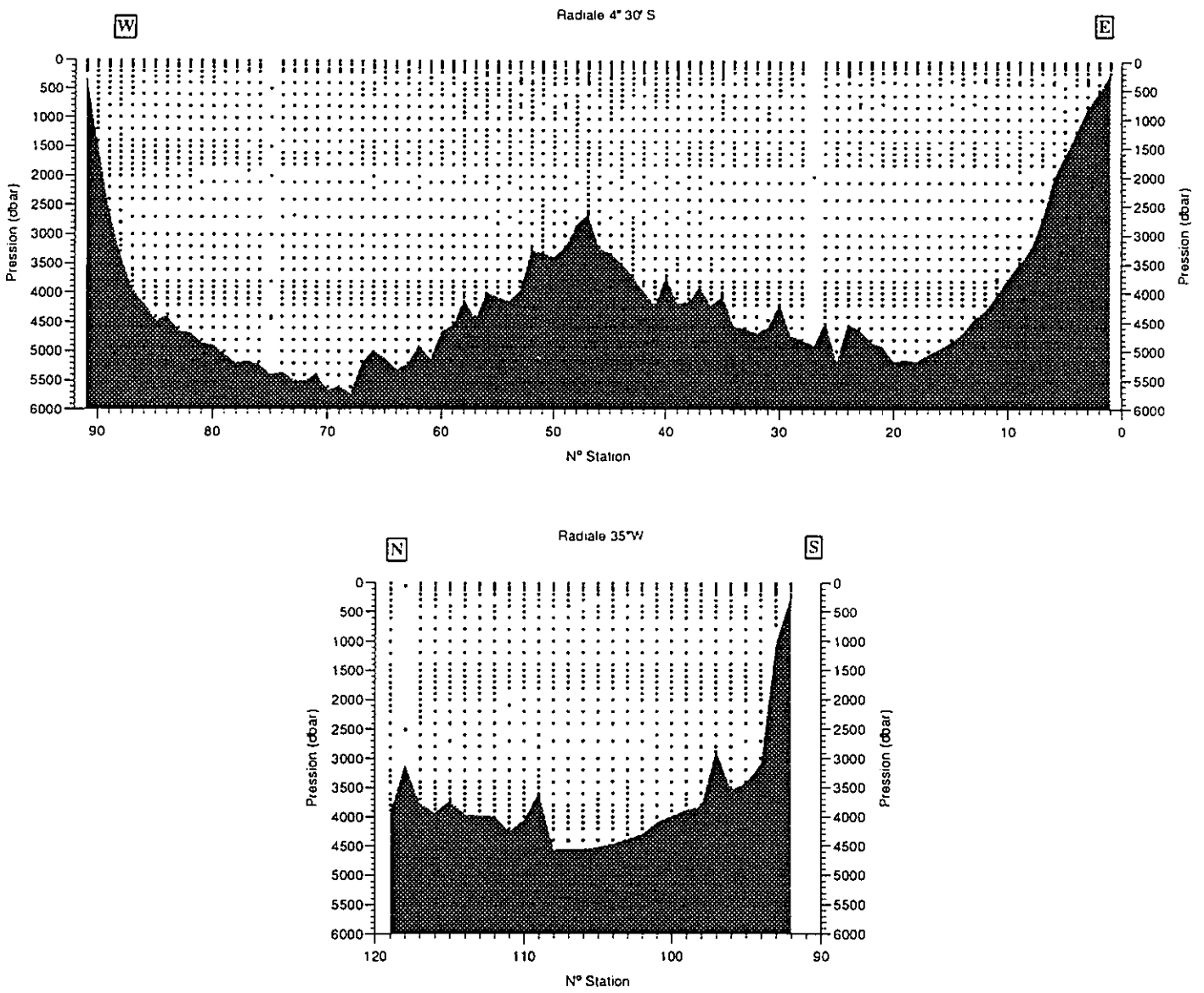
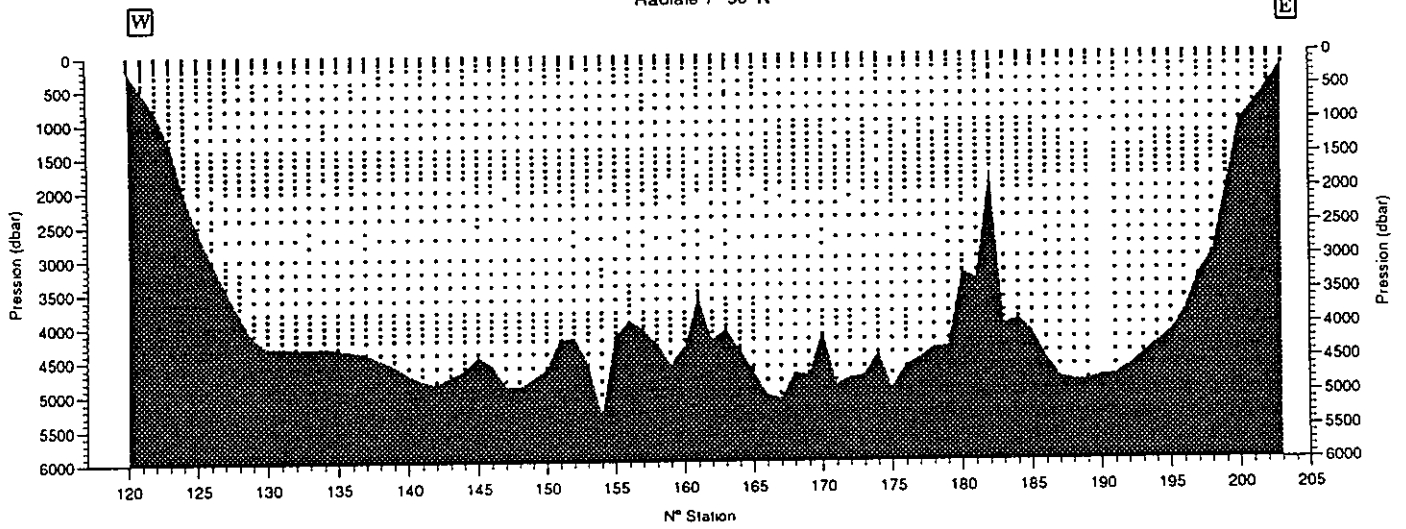


Figure 2 : Coupes synoptiques indiquant le niveau des prélèvements à chaque station sur les radiales 4°30S et 35°W.

Campagne CITHER 1
Répartition des prélèvements

Radiale 7° 30' N



Radiale 4° W

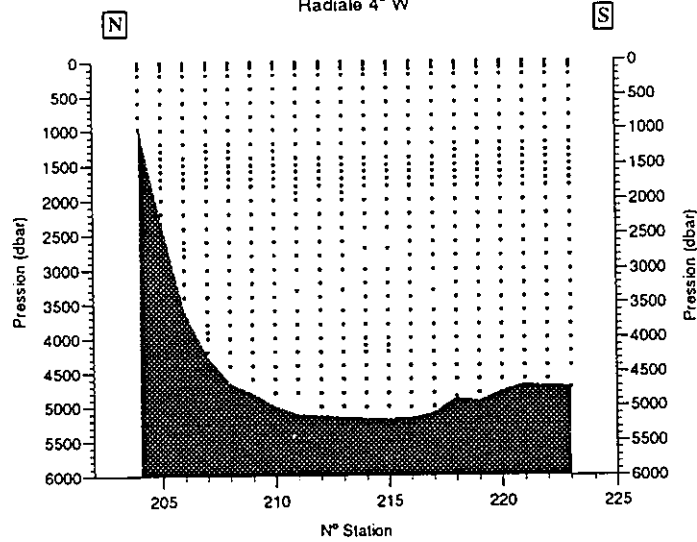


Figure 3 : Coupes synoptiques indiquant le niveau des prélèvements à chaque station sur les radiales 7°30N et 4°W.

Campagne CITHER 1

Répartition des écarts entre les doublets pour la Salinité

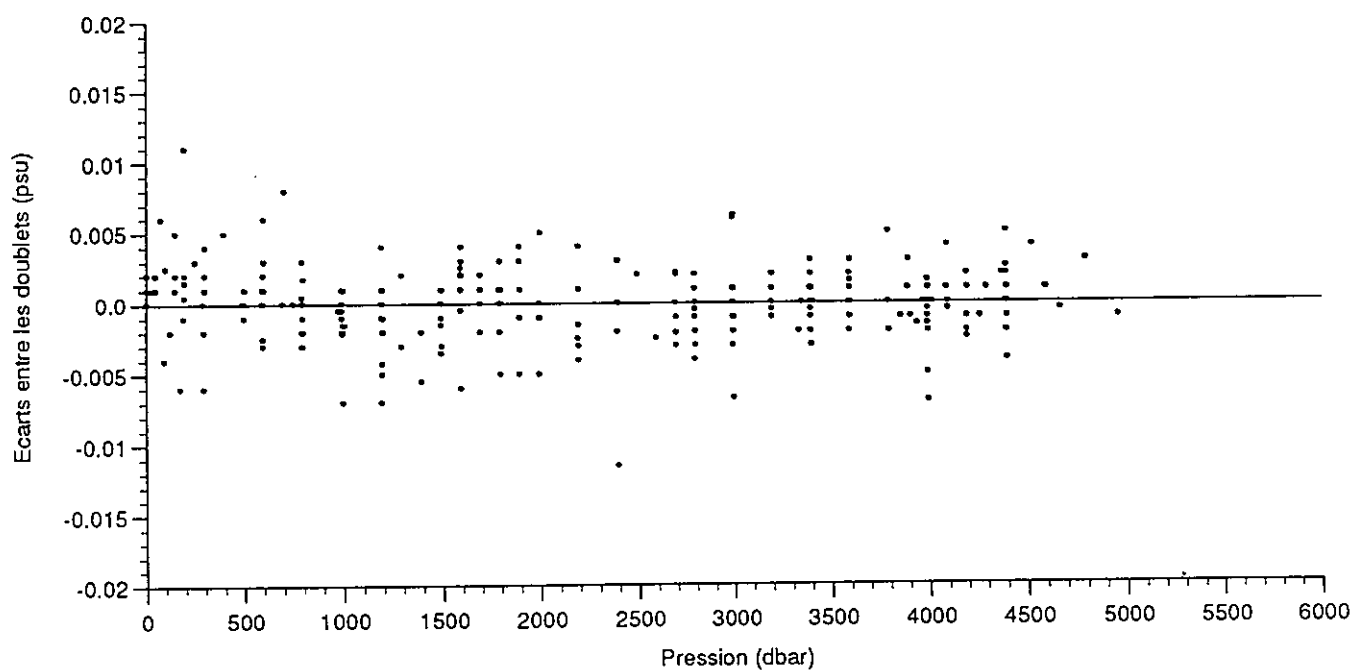
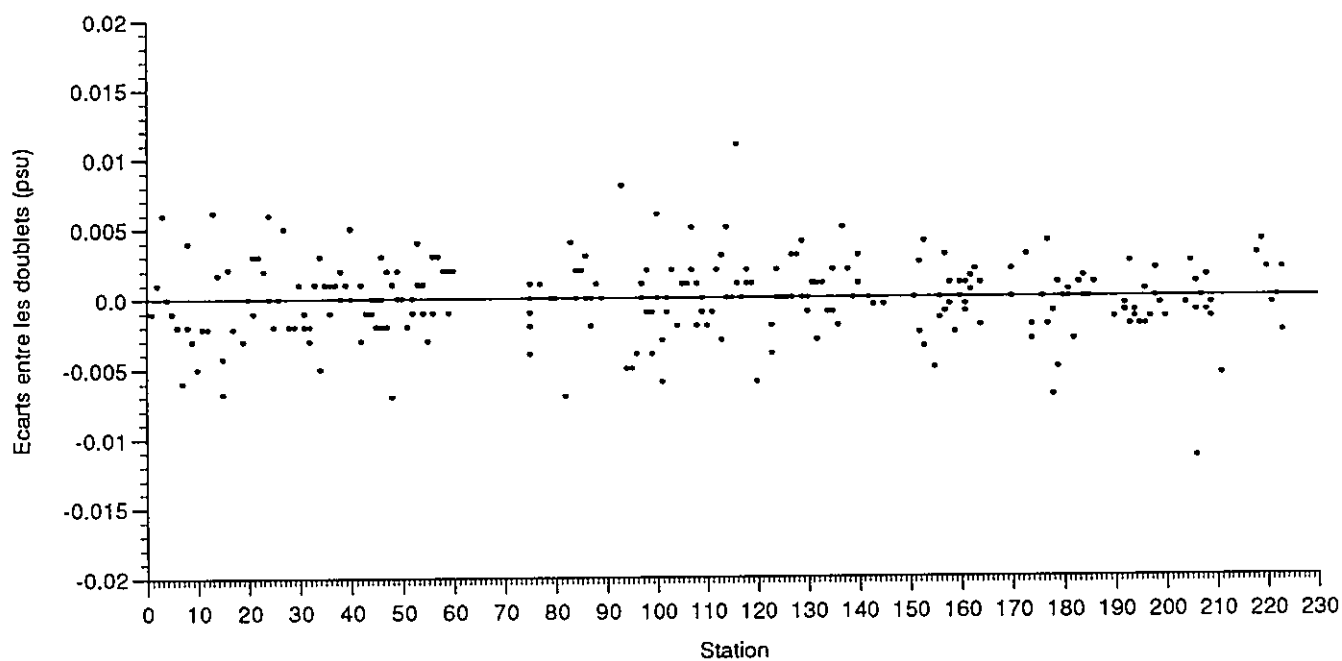


Figure 4 : Ecart de salinité entre deux bouteilles fermées au même niveau :
a) en fonction du numéro de station à laquelle a été réalisé le doublet,
b) en fonction de la pression à laquelle a été réalisé le doublet.

Campagne CITHER 1

Répartition des doublets en Salinité

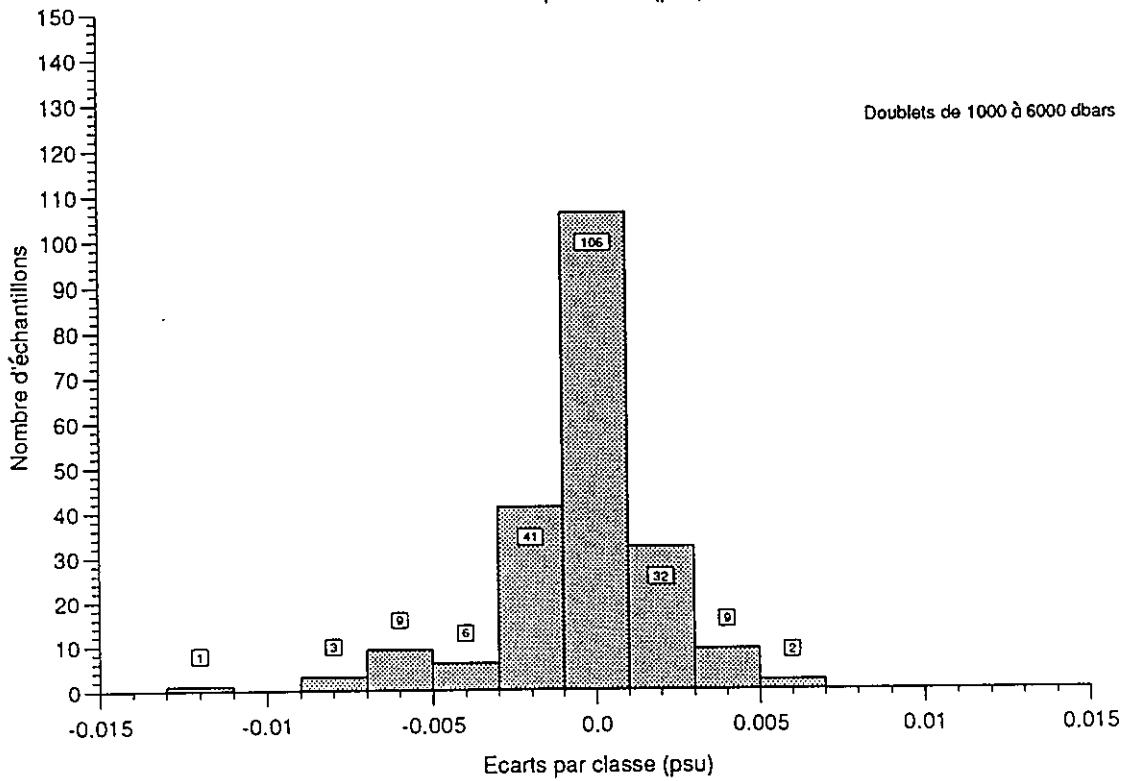
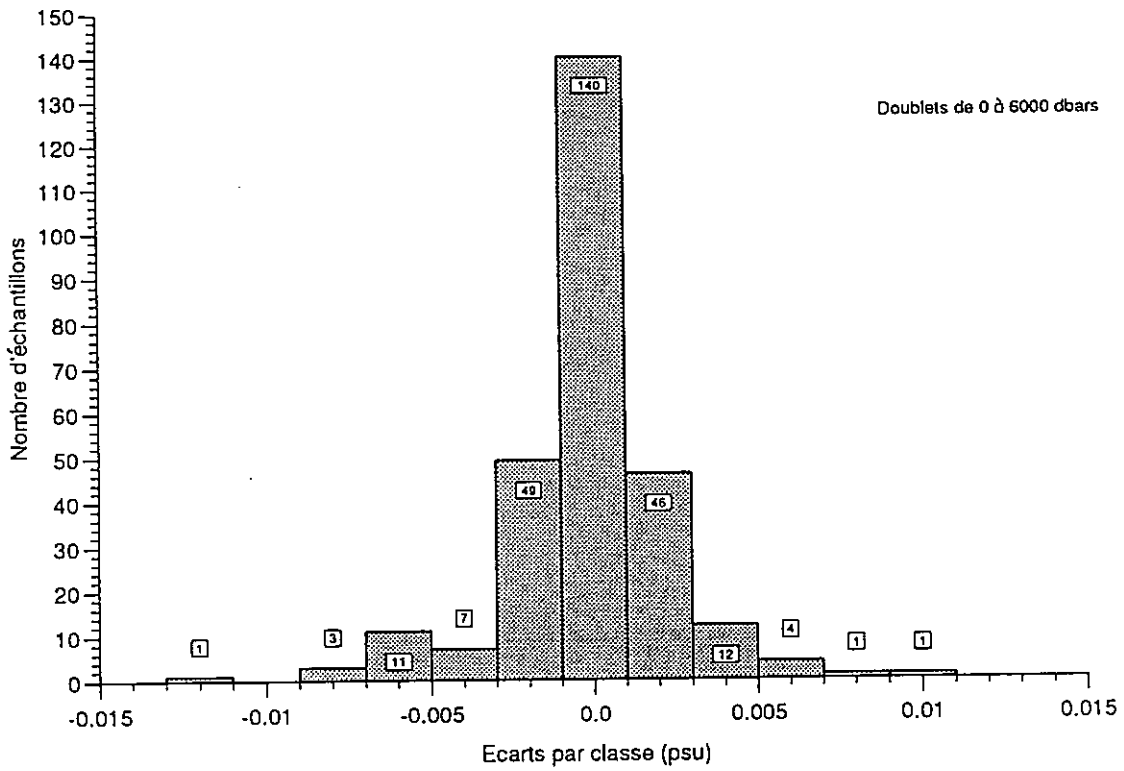


Figure 5 : Histogramme des écarts de salinité :

- a) pour les 275 doublets de la campagne,
- b) pour les 209 doublets réalisés à pression supérieure à 980 dbars.

Campagne CITHER 1

Répartition des écarts entre les doublets pour l'Oxygène

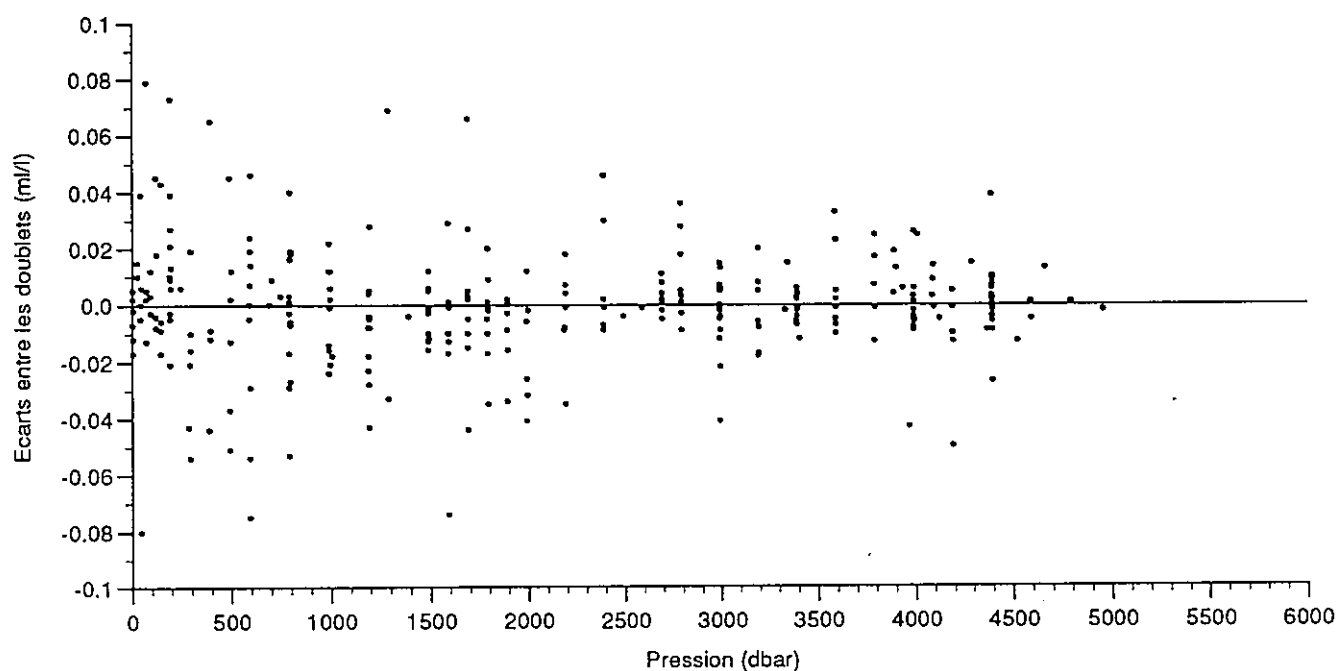
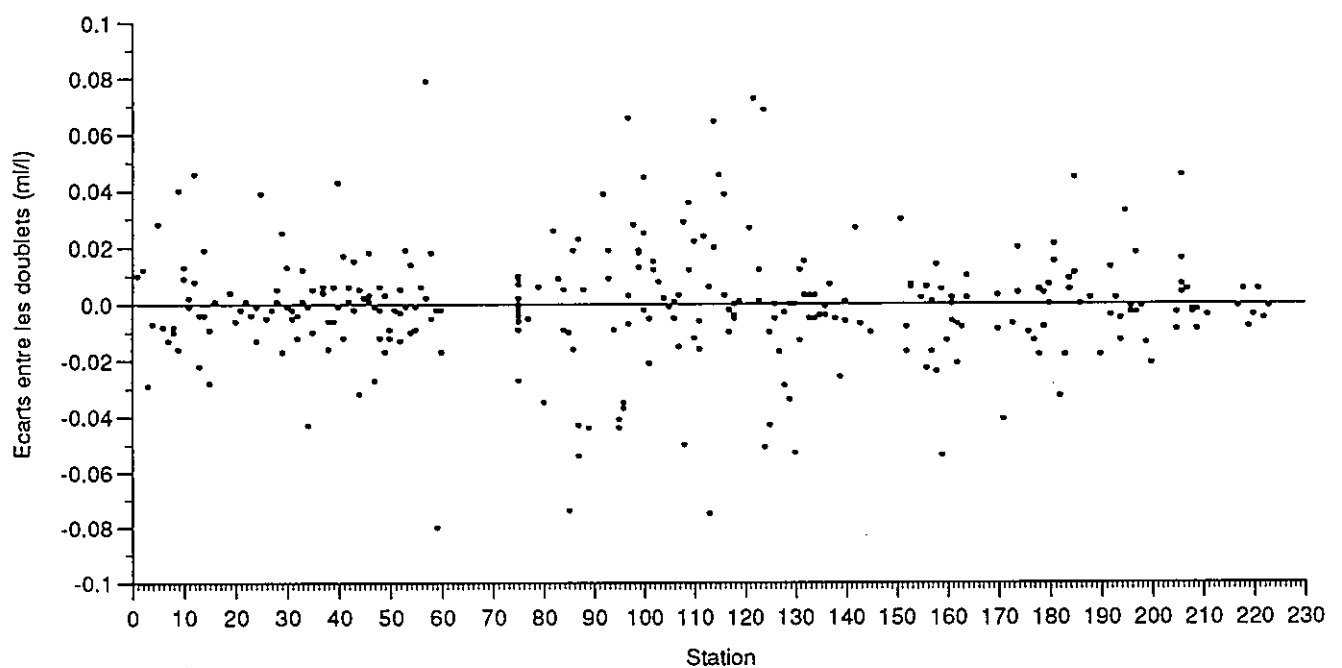


Figure 6 : Ecart en oxygène entre deux bouteilles fermées au même niveau :
a) en fonction du numéro de station à laquelle a été réalisé le doublet,
b) en fonction de la pression à laquelle a été réalisé le doublet.

Campagne CITHER 1

Répartition des doublets en Oxygène

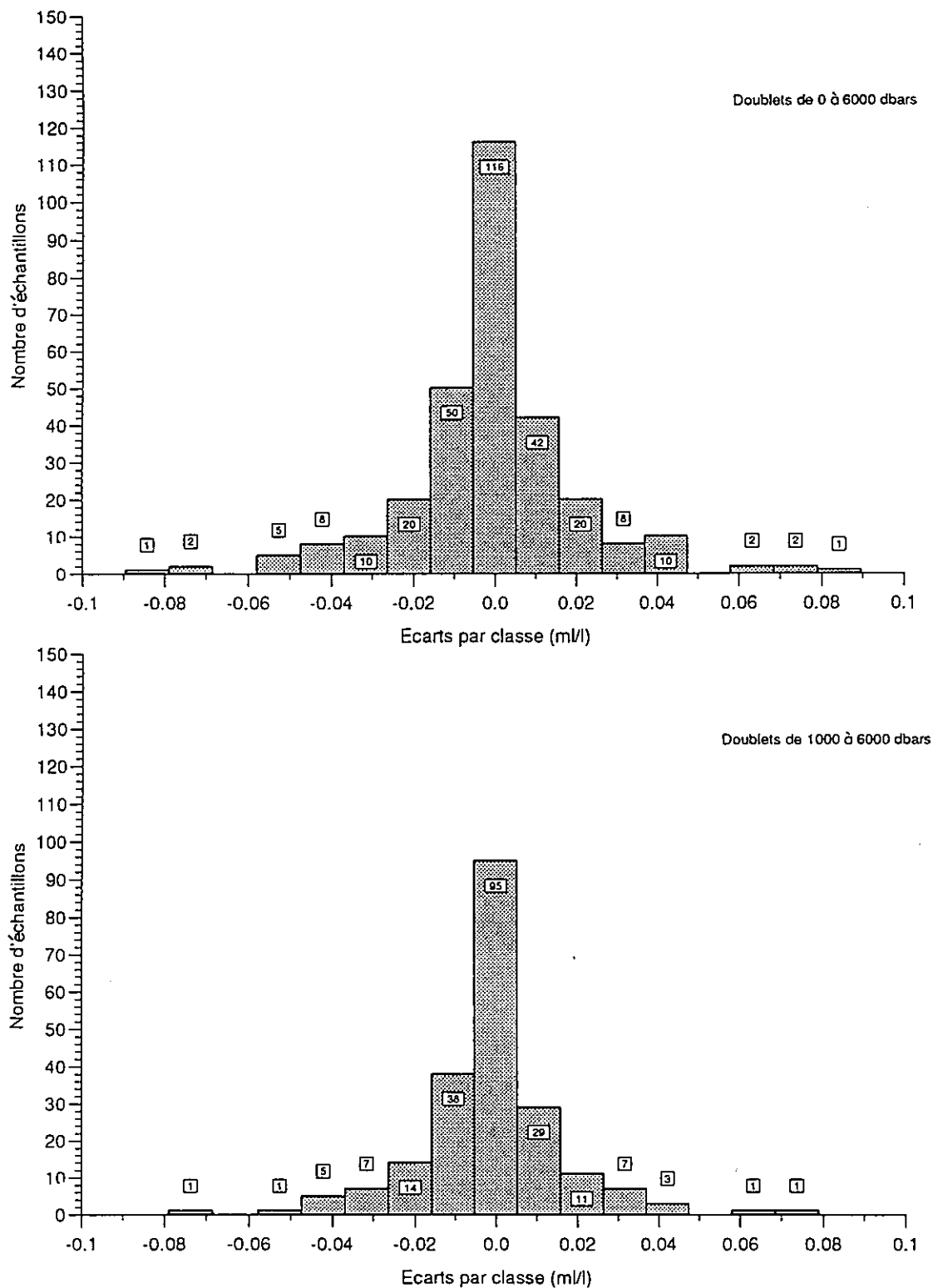


Figure 7 : Histogramme des écarts en oxygène :
a) pour les 297 doublets de la campagne,
b) pour les 213 doublets réalisés à pression supérieure à 980 dbars.

Campagne CITHER 1
 Etalonnage du capteur de pression à 20° C
 Sonde NEIL-BROWN 2521

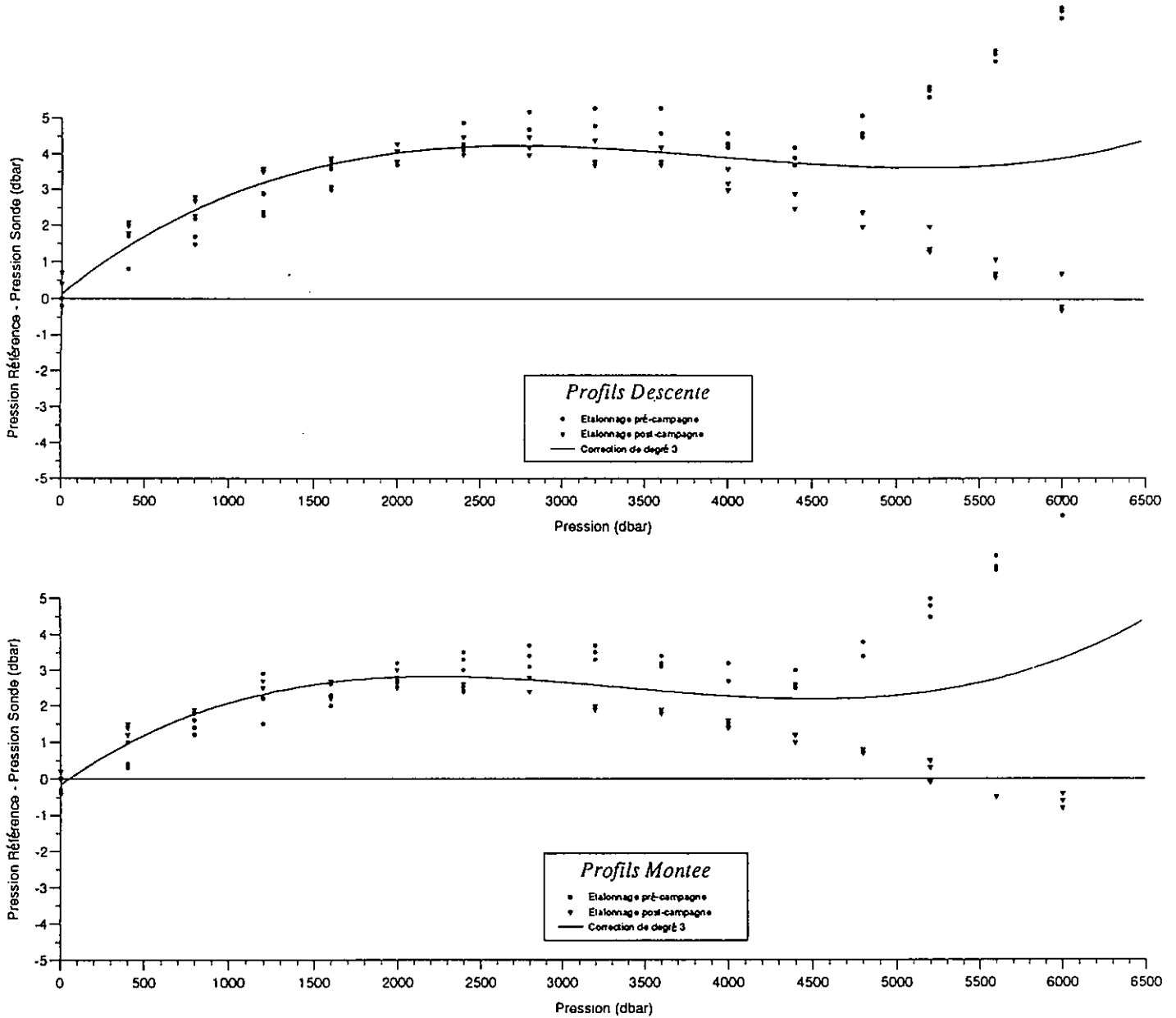


Figure 8 : Répartition des écarts, tous les 400 dbars, entre la pression de référence et la pression indiquée par le capteur Neil-Brown (sonde 2521) lors de l'étalonnage pré- et post-campagne à la température de 20°C :

- a) cycles montée en pression (profil descente),
- b) cycles descente en pression (profil montée).

La courbe de degré 3 qui réduit ces écarts est représentée.

Campagne CITHER 1
 Etalonnage du capteur de pression à 20° C
 Sonde NEIL-BROWN 2782

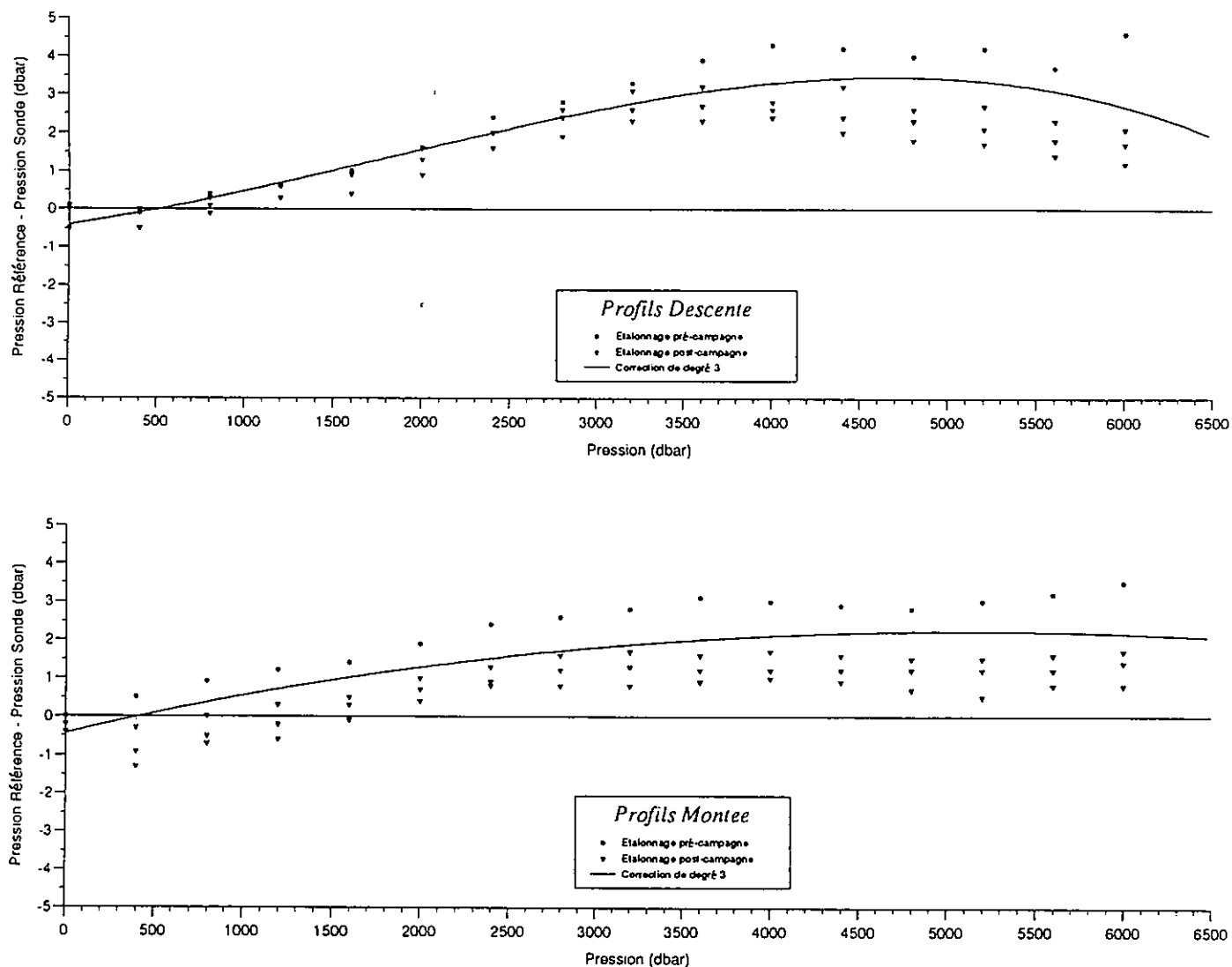


Figure 9 : Répartition des écarts, tous les 400 dbars, entre la pression de référence et la pression indiquée par le capteur Neil-Brown (sonde 2782) lors de l'étalonnage pré- et post-campagne à la température de 20°C :

- a) cycles montée en pression (profil descente),
- b) cycles descente en pression (profil montée).

La courbe de degré 3 qui réduit ces écarts est représentée.

Campagne CITHER 1

Influence de la température sur le capteur de pression

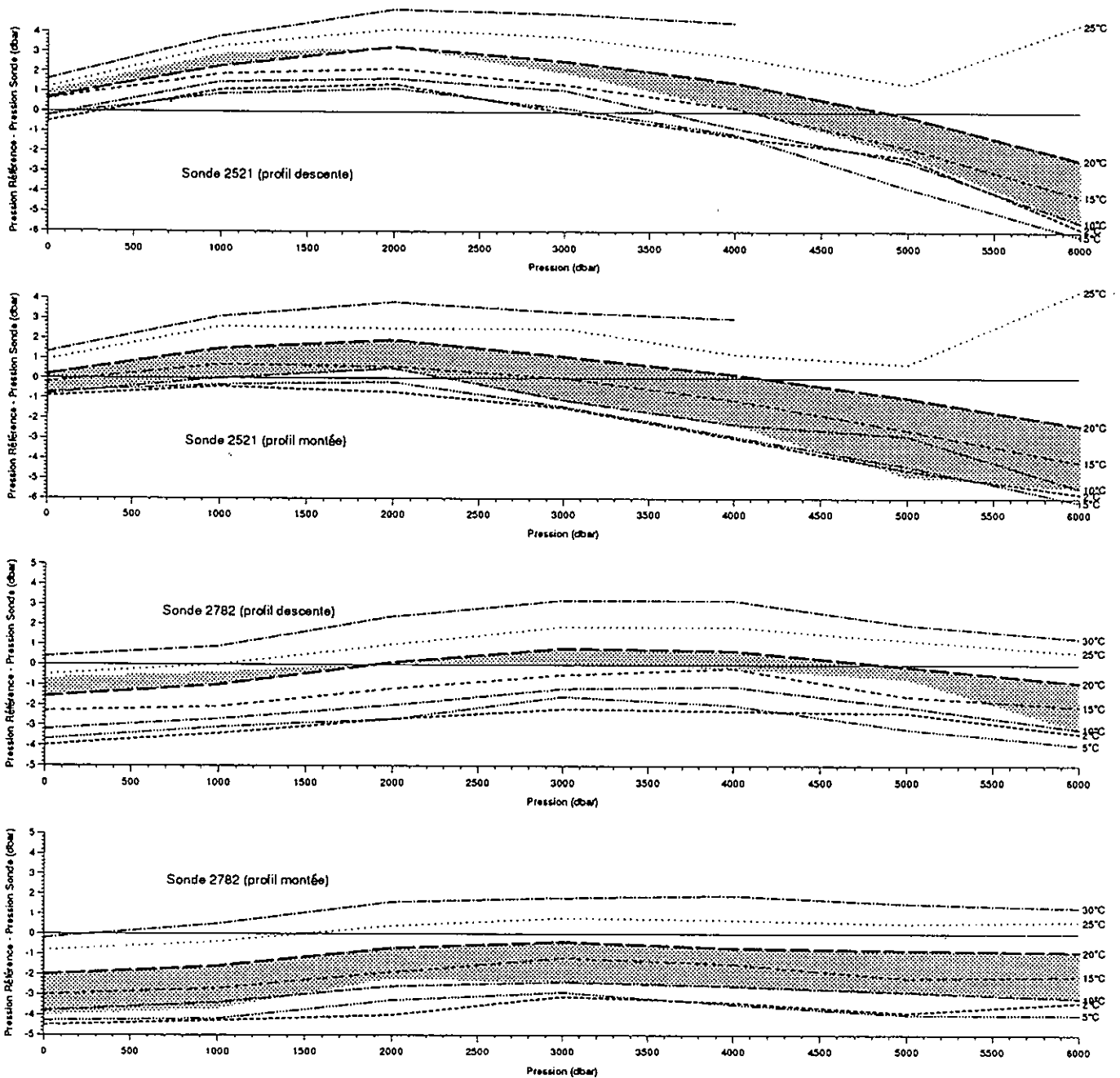


Figure 10 : Ecarts, tous les 1000 dbars, entre la pression référence et la pression indiquée par le capteur Neil-Brown à différentes températures expérimentales. Les limites de la surface pointillée sont, d'une part, la courbe obtenue à la température à 20°C et, d'autre part, celle d'une température à la température équivalente interne du capteur Neil-Brown mesurée sur les profils "bathysonde" : cette surface correspond à la correction de température statique.

Etude de la réponse du capteur de Pression
soumis à un choc thermique

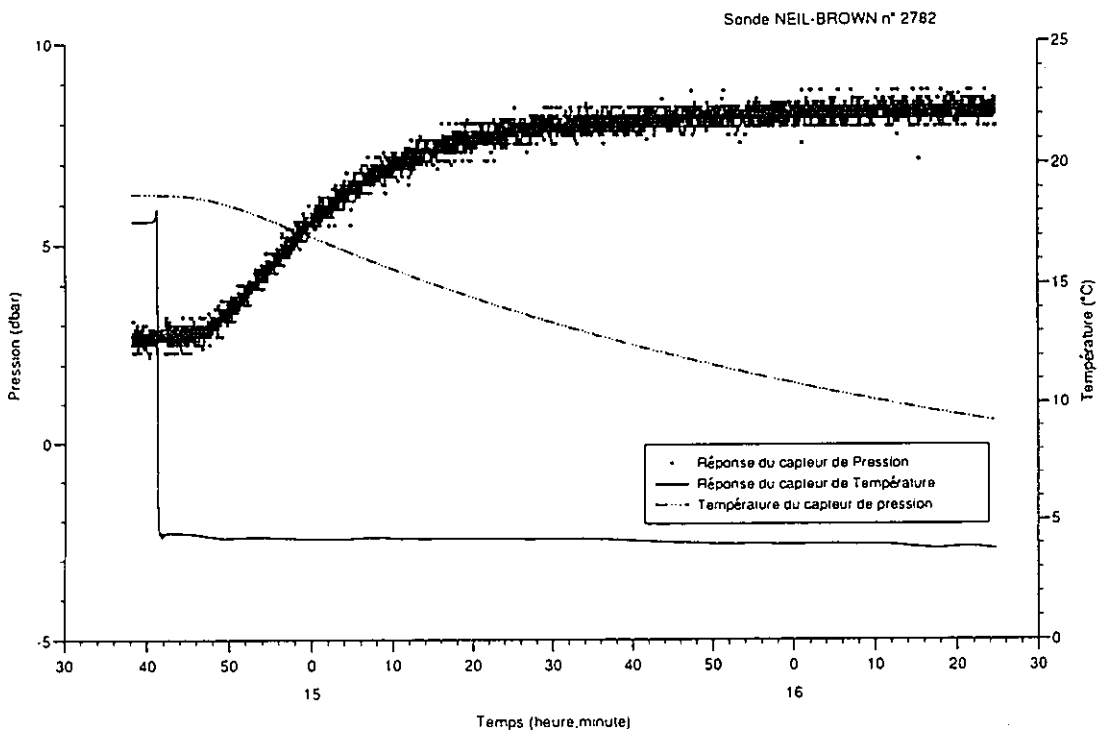
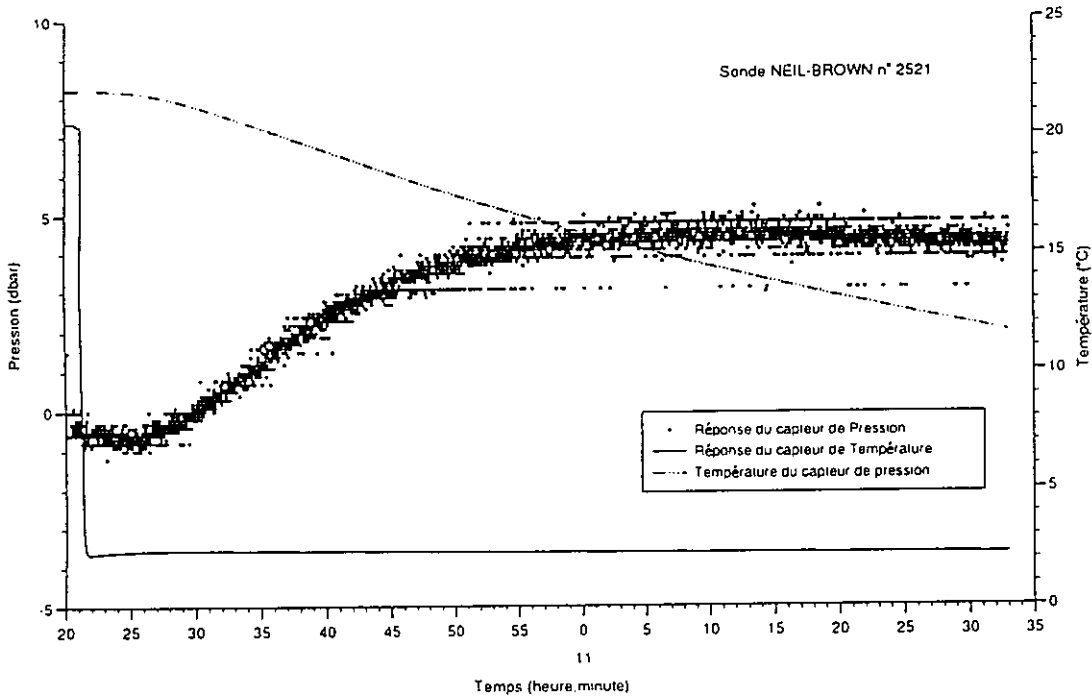


Figure 11 : Etude de l'effet dynamique de température sur les capteurs de pression Neil-Brown (2521 et 2782) en laboratoire. Après immersion de la sonde dans un bain plus froid, les paramètres pression, température et température interne du capteur de pression sont représentés en fonction du temps. Le choc thermique provoque un décalage de l'indication de pression qui atteint environ 5 dbars après 30 minutes.

Campagne CITHER 1

Correction de l'indication du capteur de pression

Sonde NEIL-BROWN 2521

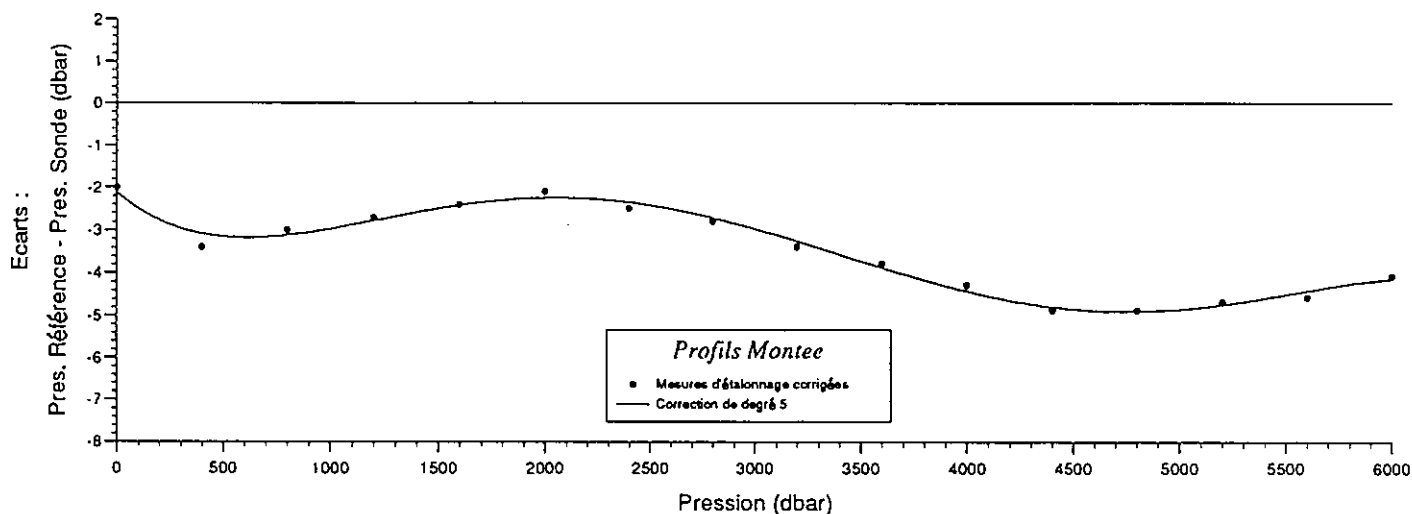
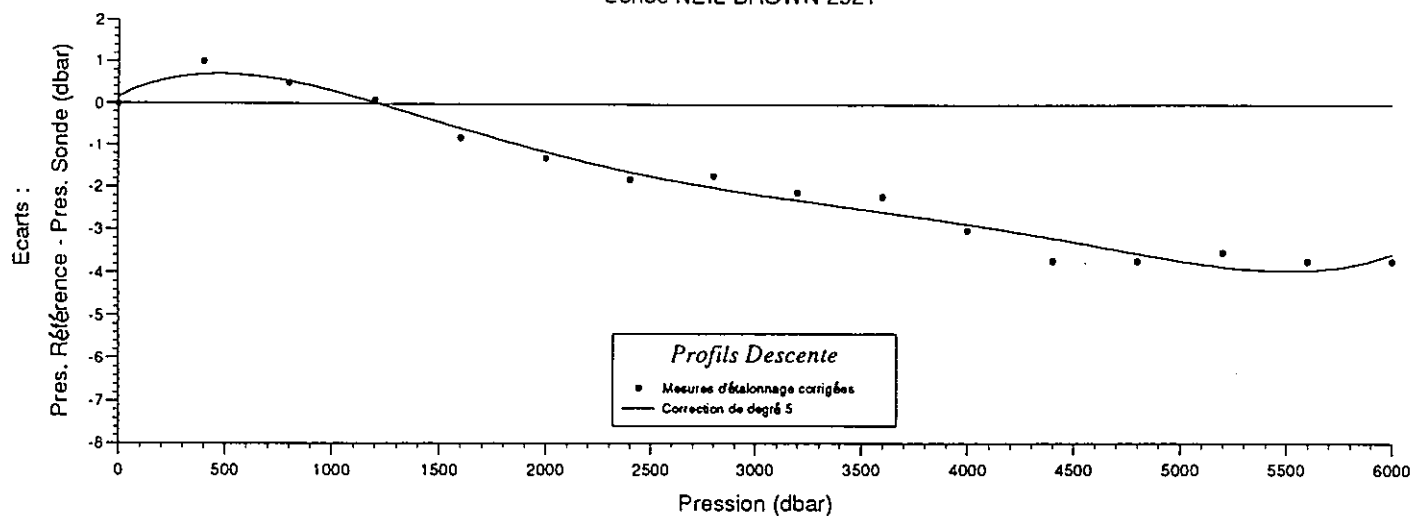


Figure 12 : Ecart, tous les 400 dbars, entre la pression de référence et la pression indiquée par le capteur Neil-Brown (sonde 2521) après correction de la linéarité du capteur à 20° (figure 8), de l'influence de température statique (figure 10) et de l'effet dynamique de température (figure 11).

a) montée en pression (profil descente),

b) descente en pression (profil montée).

La courbe de degré 5 qui corrige la pression sur les profils est représentée.

Campagne CITHER 1

Correction de l'indication du capteur de pression

Sonde NEIL-BROWN 2782

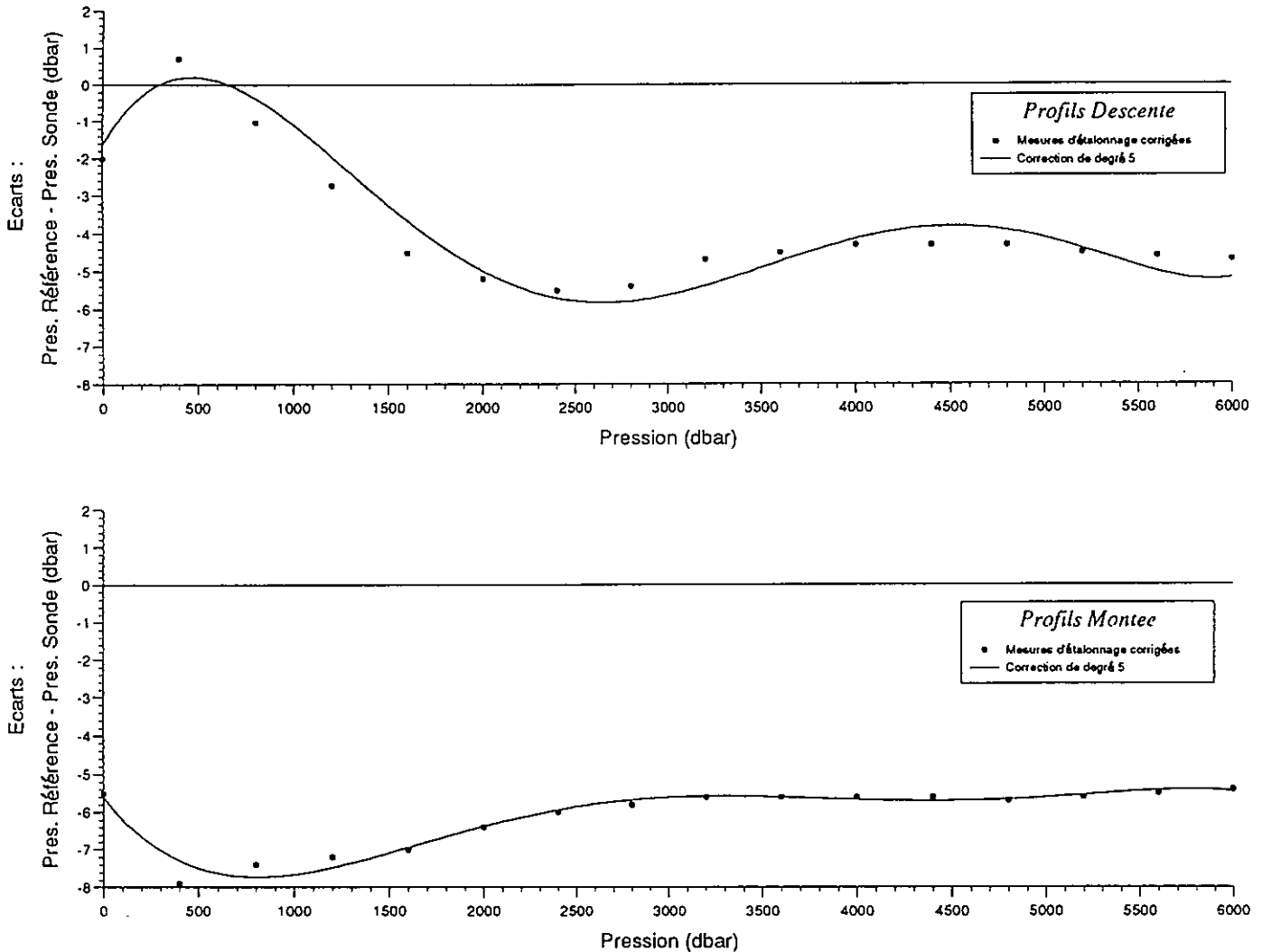


Figure 13 : Ecart, tous les 400 dbars, entre la pression de référence et la pression indiquée par le capteur Neil-Brown (sonde 2782) après correction de la linéarité du capteur à 20° (figure 9), de l'influence de température statique (figure 10) et de l'effet dynamique de température (figure 11).

a) montée en pression (profil descente),

b) descente en pression (profil montée).

La courbe de degré 5 qui corrige la pression sur les profils est représentée.

Campagne CITHER 1

Ecarts entre les pressiomètres SIS et les sondes NEIL-BROWN

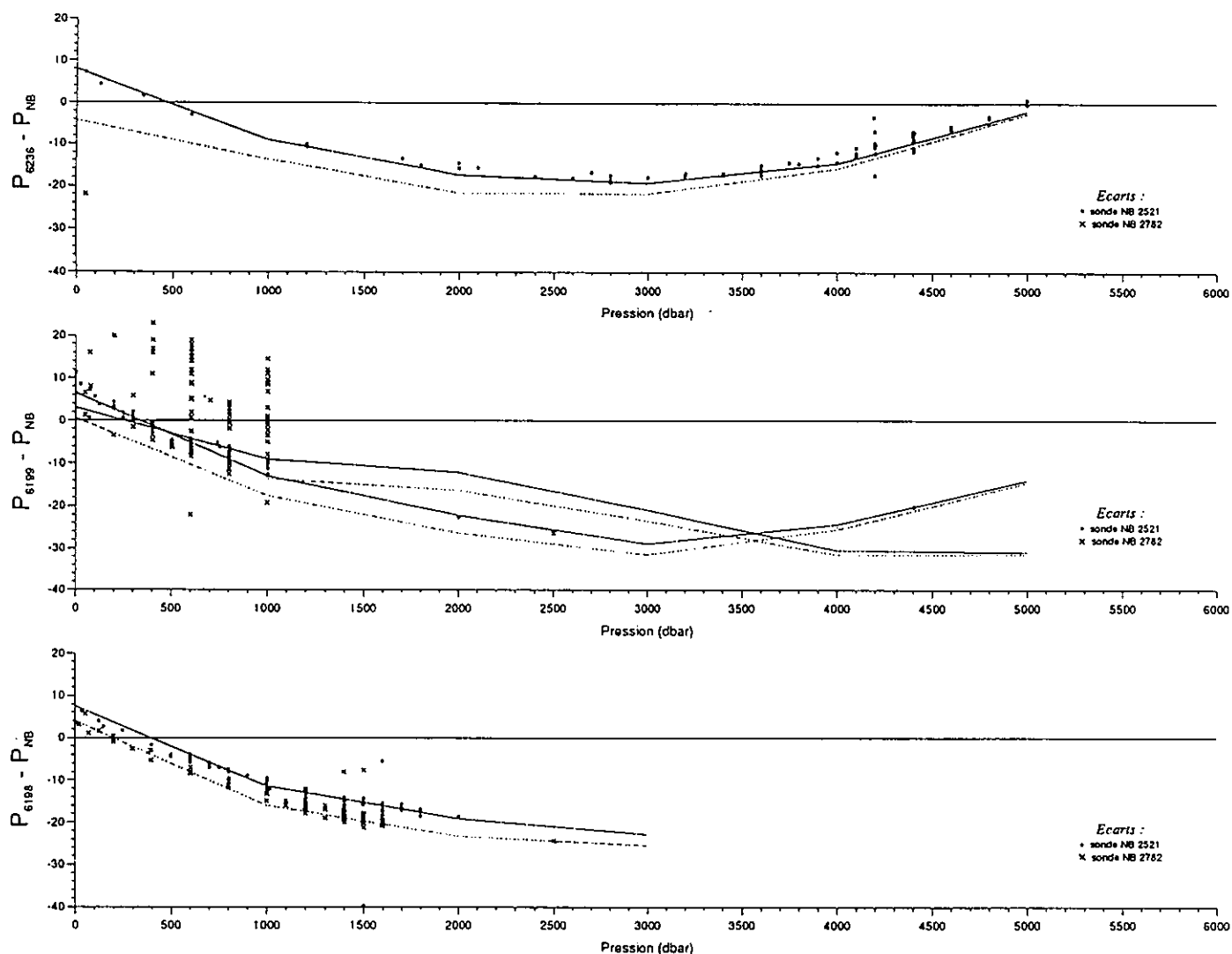


Figure 14 : Ecarts obtenus, à chaque station, entre la lecture de 3 pressiomètres SIS et la pression indiquée par le capteur Neil-Brown en fonction de la pression d'observation.

Les écarts, concernant les deux sondes utilisées pendant la campagne sont différenciés.

Les courbes (en trait plein pour la sonde 2521 et en pointillé pour la sonde 2782) représentent la correction d'étalonnage à apporter à la lecture des deux instruments comparés (SIS et Neil-Brown). Lorsque les étalonnages pré- et post- campagne du pressiomètre sont différents, deux courbes sont présentées.

Les points comparés à ces courbes montrent que, après correction, la pression SIS est égale à la pression CTD à 2 dbars près (le pressiomètre 6199 est devenu défectueux en cours de campagne).

Campagne CITHER 1

Écarts entre les pressiomètres SIS et les sondes NEIL-BROWN

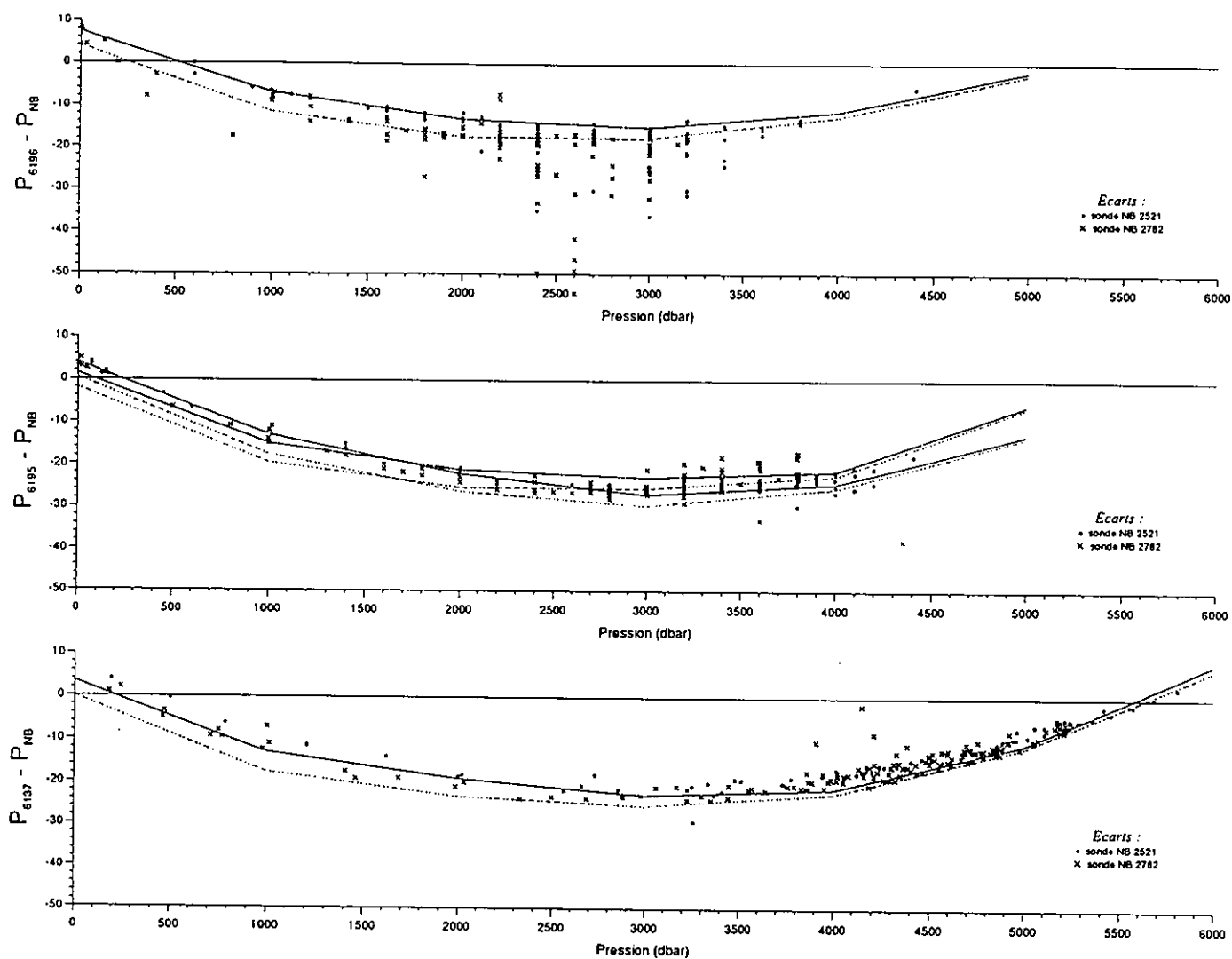


Figure 15 : même légende que la figure 14 pour une autre série de 3 pressiomètres.

- A noter le mauvais fonctionnement intermittent du pressiomètre 6196.
- Dans le cas du pressiomètre 6137, les écarts observés après correction sont de l'ordre de 4 dbar : cette différence est attribuée à un étalonnage incorrect du pressiomètre.

Campagne CITHER 1

Étalonnage du capteur de température pour les sondes NEIL-BROWN

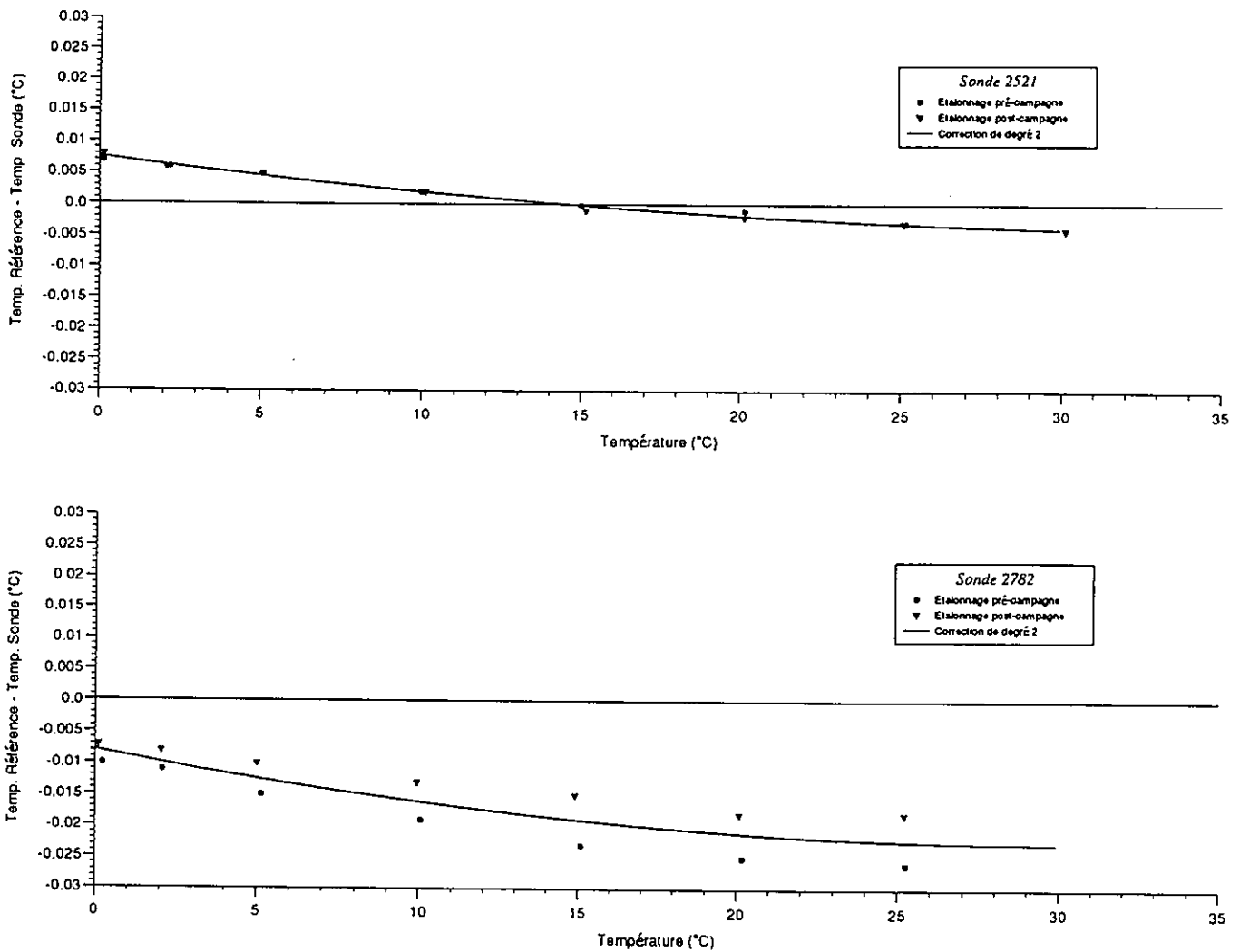


Figure 16 : Ecart entre la température de référence et la température indiquée par le capteur Neil-Brown lors de l'étalonnage pré- et post-campagne :

a) sonde 2521,

b) sonde 2782.

La courbe de degré 2 qui corrige la température sur les profils est représentée.

Campagne CITHER 1

Ecarts entre les thermomètres SIS et les sondes NEIL-BROWN

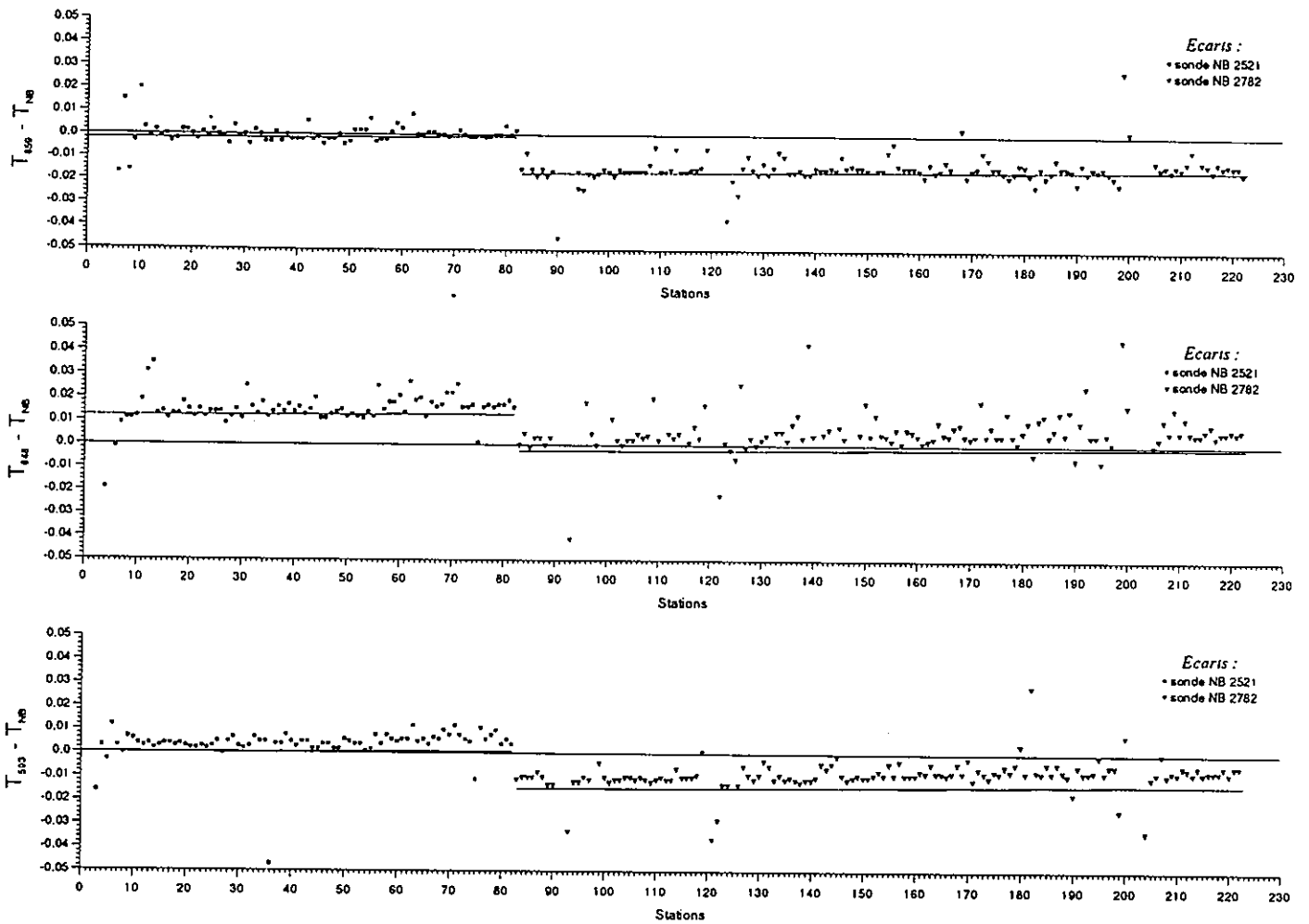


Figure 17 : Ecarts obtenus, à chaque station, entre la lecture de 3 thermomètres SIS, et la température indiquée par la sonde Neil-Brown : la température expérimentale est comprise entre 2.5 et 5.0°C.

Les segments de droites représentent la correction d'étalonnage à apporter à l'indication du capteur Neil-Brown additionnée à celle du thermomètre SIS. La dérive des thermomètres a été compensée à raison de 0.001° entre les stations 1 et 82 et de 0.002°C entre les stations 83 et 223.

Le décalage des points par rapport à ces segments de droites est attribué à un effet de pression sur le thermomètre SIS.

Campagne CITHER 1

Ecarts entre les thermomètres SIS et les sondes NEIL-BROWN

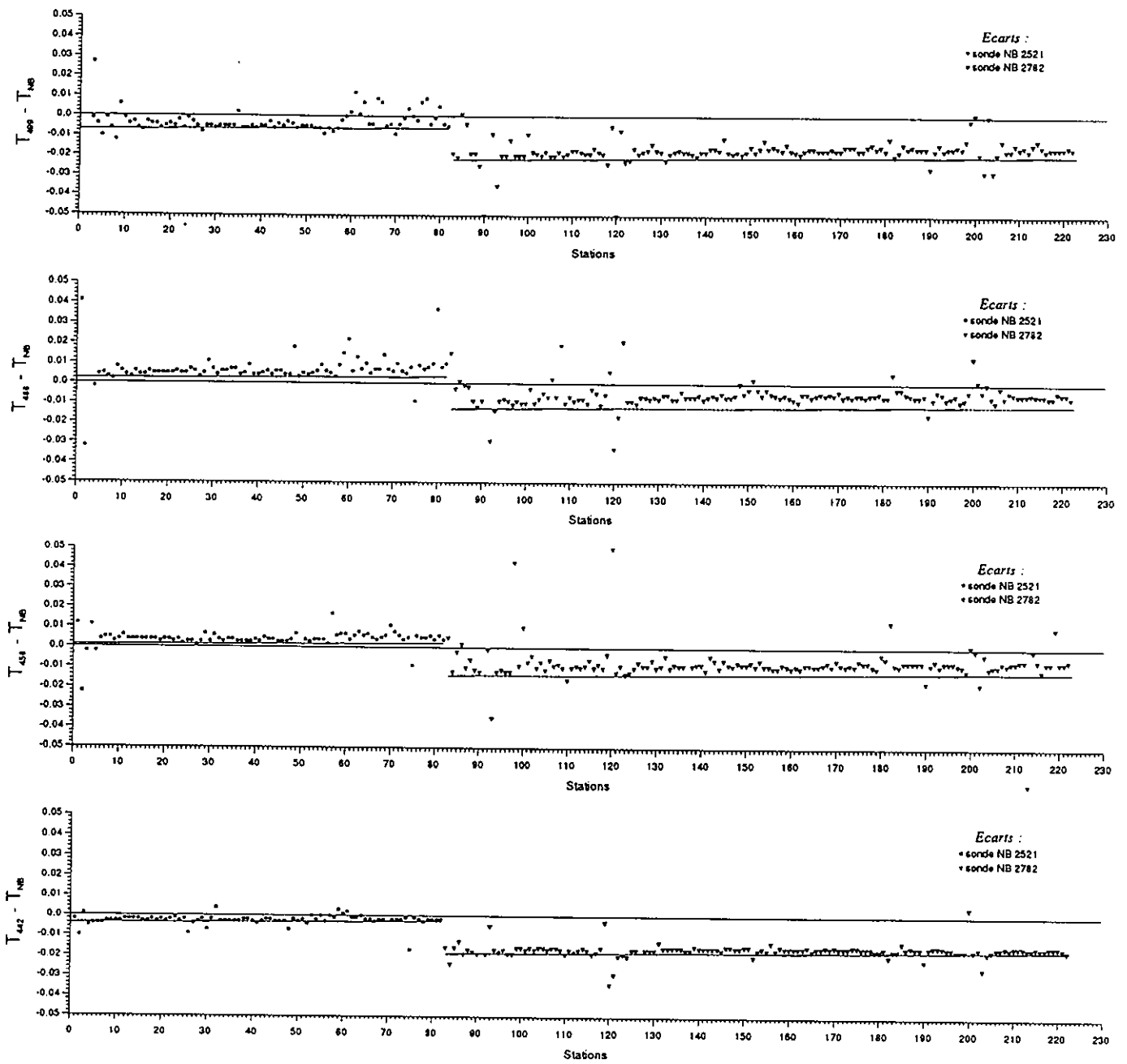


Figure 18 : même légende que figure 17 pour 4 autres thermomètres.

Campagne CITHER 1

Répartition des écarts en conductivité
après recalage des profils CTD

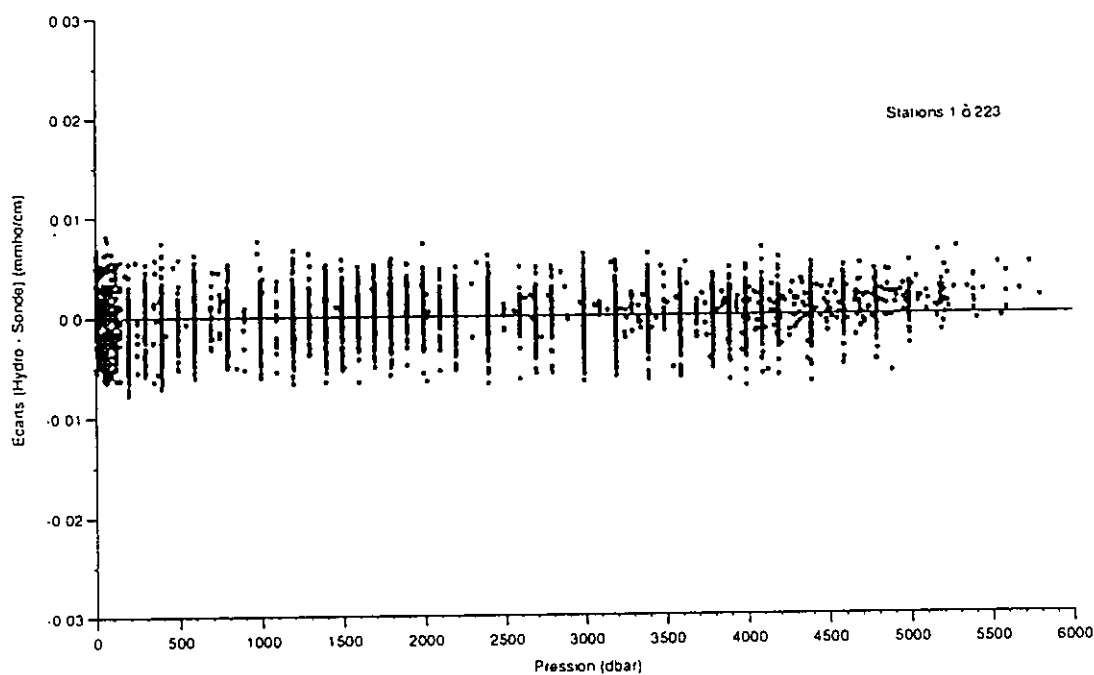
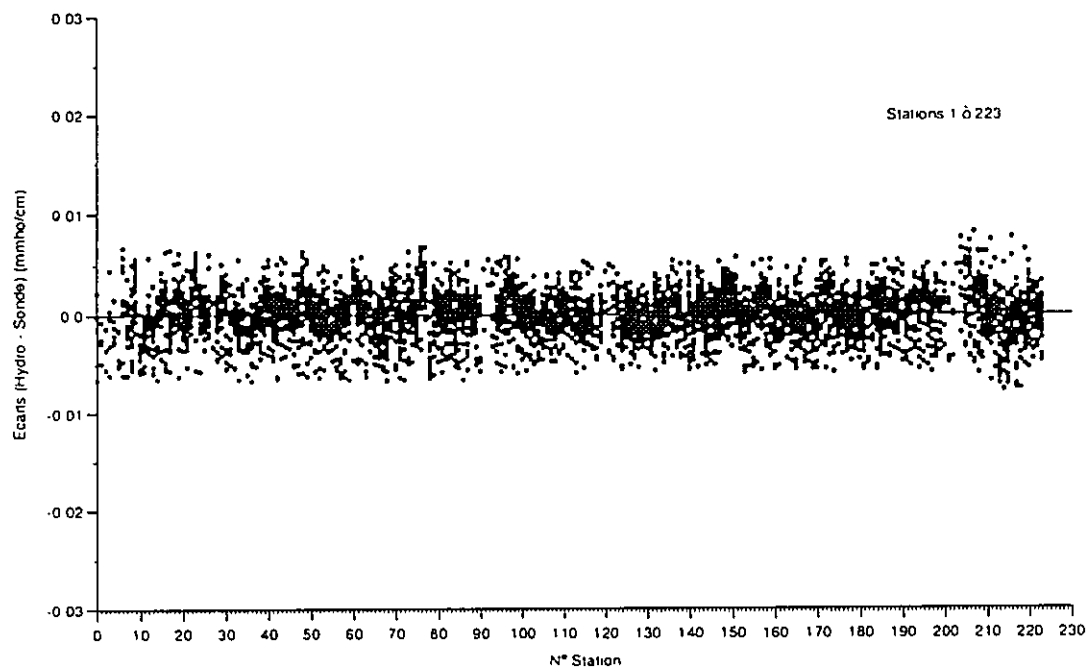


Figure 19 : Ecart entre la conductivité des 5580 échantillons validés et la conductivité "bathysonde", au niveau du prélèvement, après recalage :
a) en fonction du numéro de la station concernée,
b) en fonction de la pression au niveau du prélèvement.

CITHER 1

Répartition des écarts en Conductivité (Hydro - Sonde)

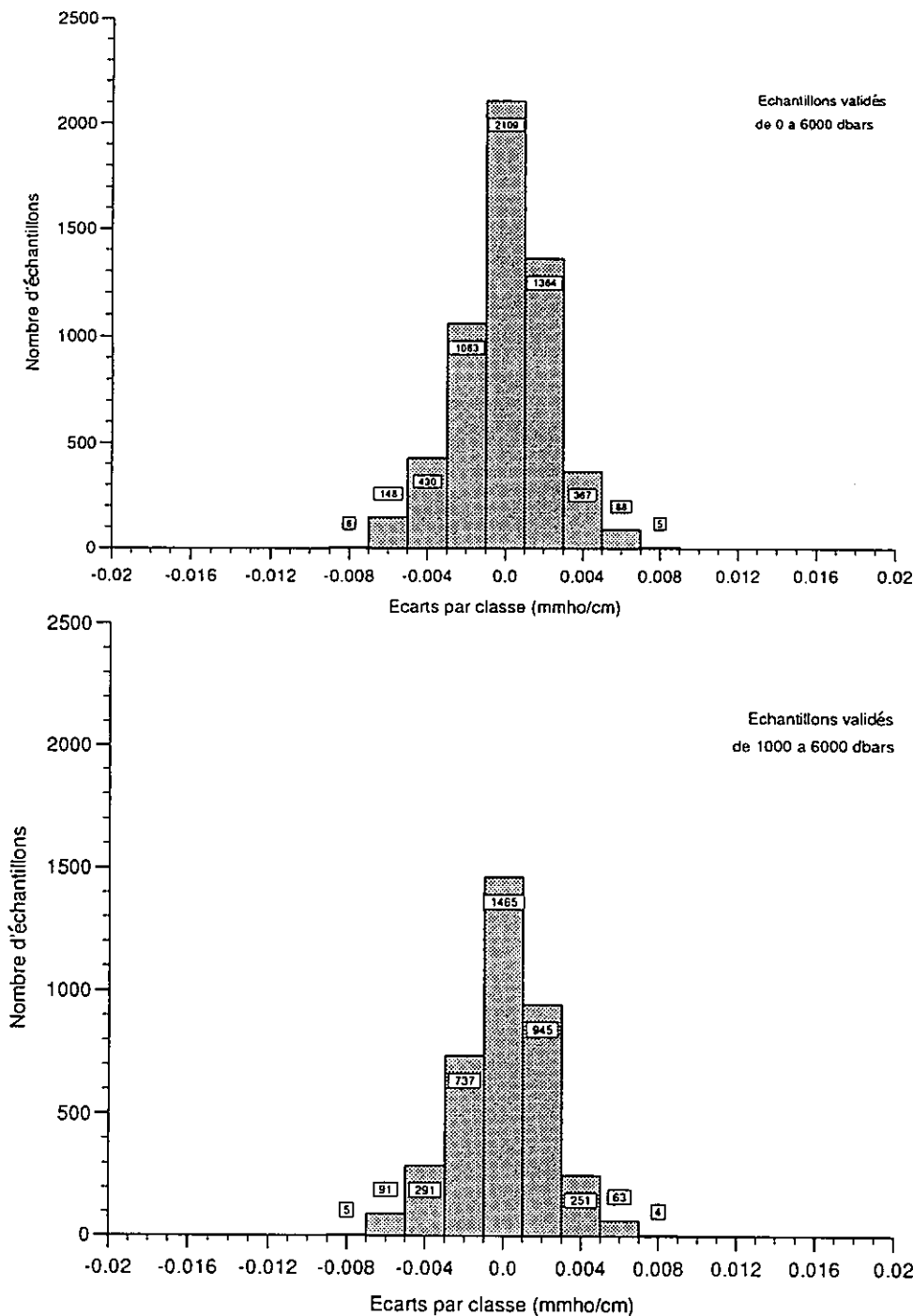


Figure 20 : Histogramme des écarts entre la conductivité des échantillons et la conductivité "bathysonde", au niveau du prélèvement, après recalage :

- a) pour la totalité des 5580 échantillons validés sur la campagne,
- b) pour les 3852 échantillons validés et prélevés à pression supérieure à 980 dbars.

CITHER 1

Répartition des écarts en Salinité (Hydro - Sonde)

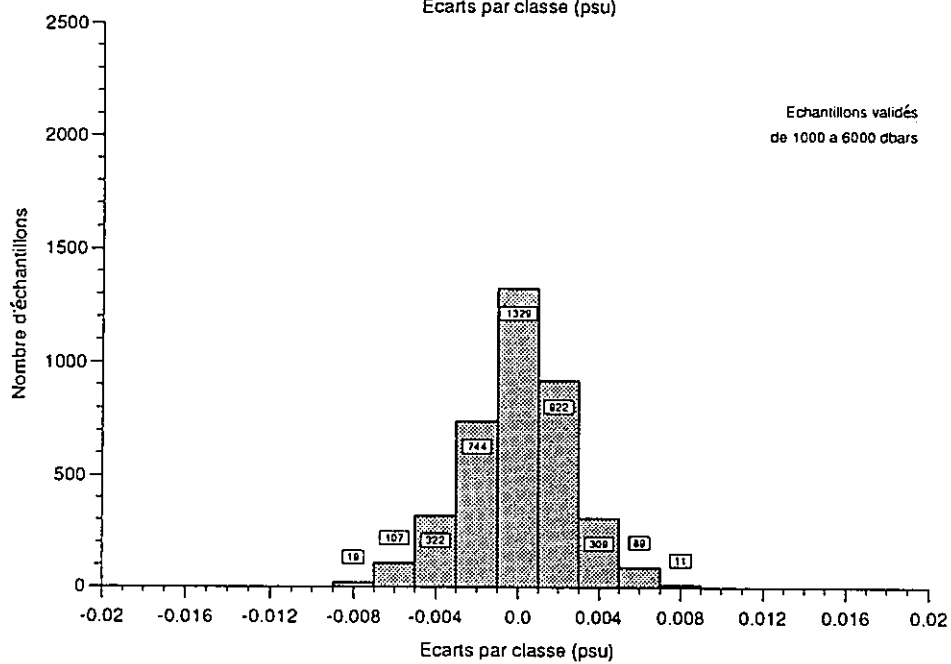
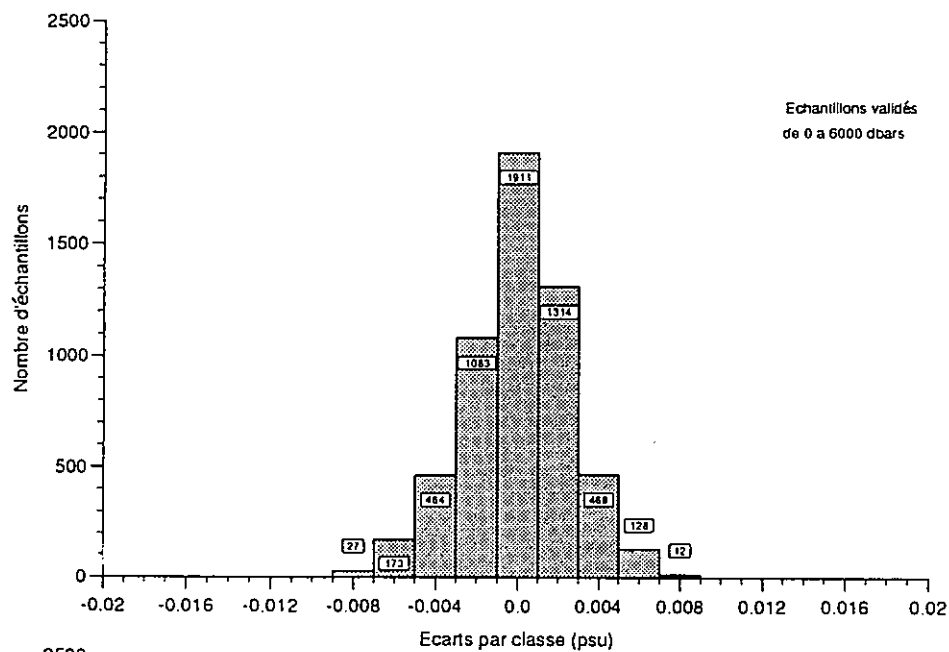


Figure 21 : même légende que figure 20 pour les écarts en salinité.

Diagrammes θ -S

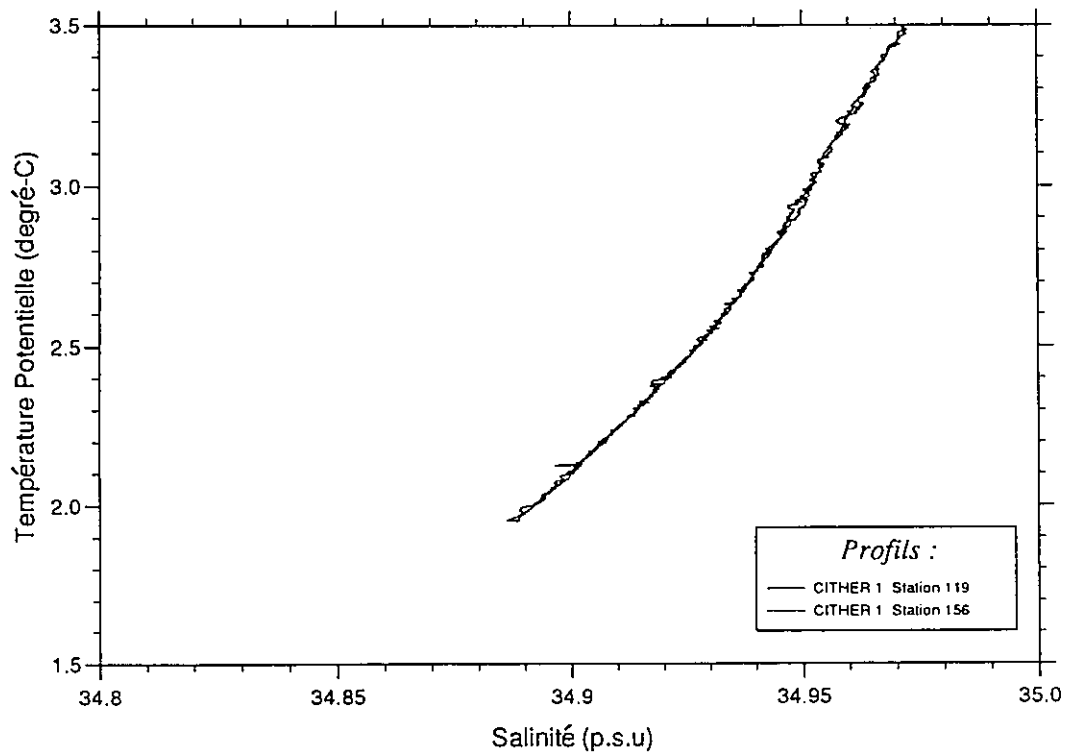
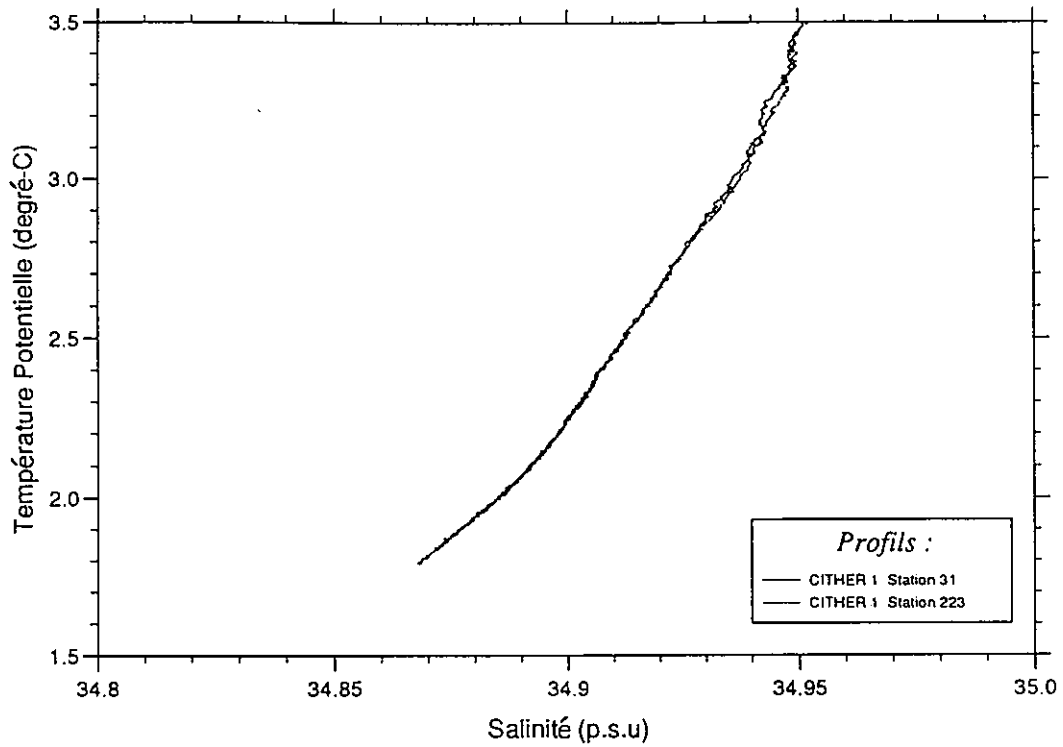


Figure 22 : Comparaison de diagrammes θ -S tracés d'après les données de la campagne CITHER 1.

Dans les deux cas, les stations ont été réalisées à la même position géographique avec une sonde différente.

Diagrammes θ -S

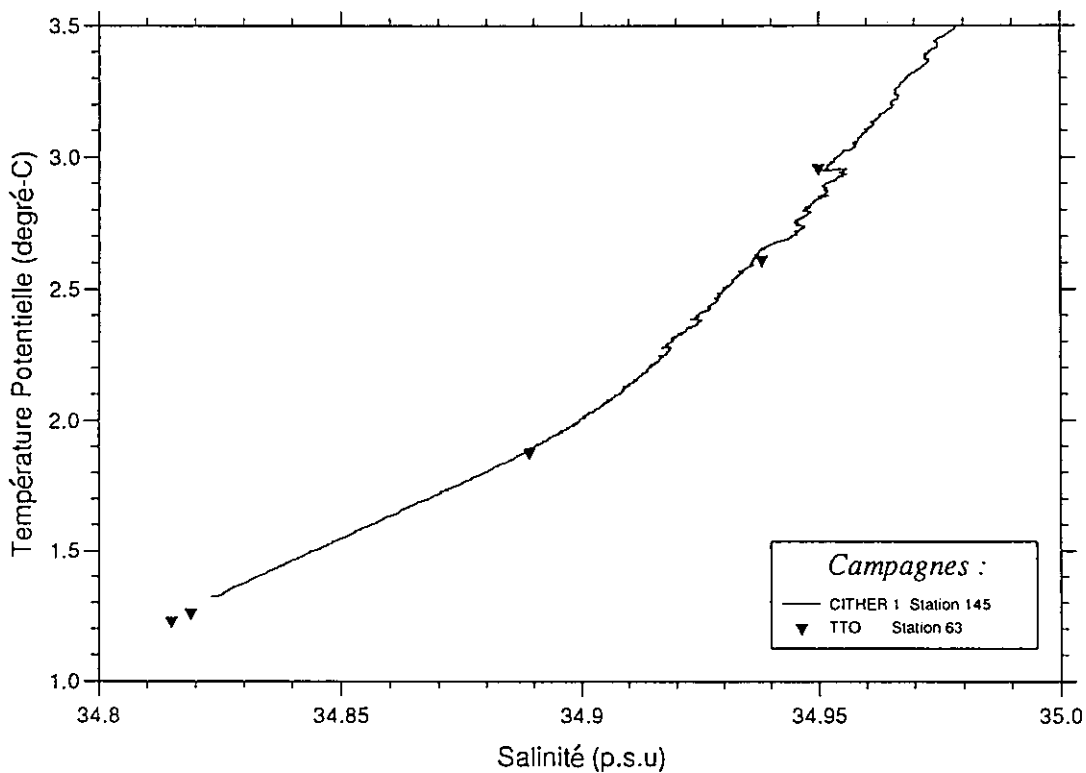
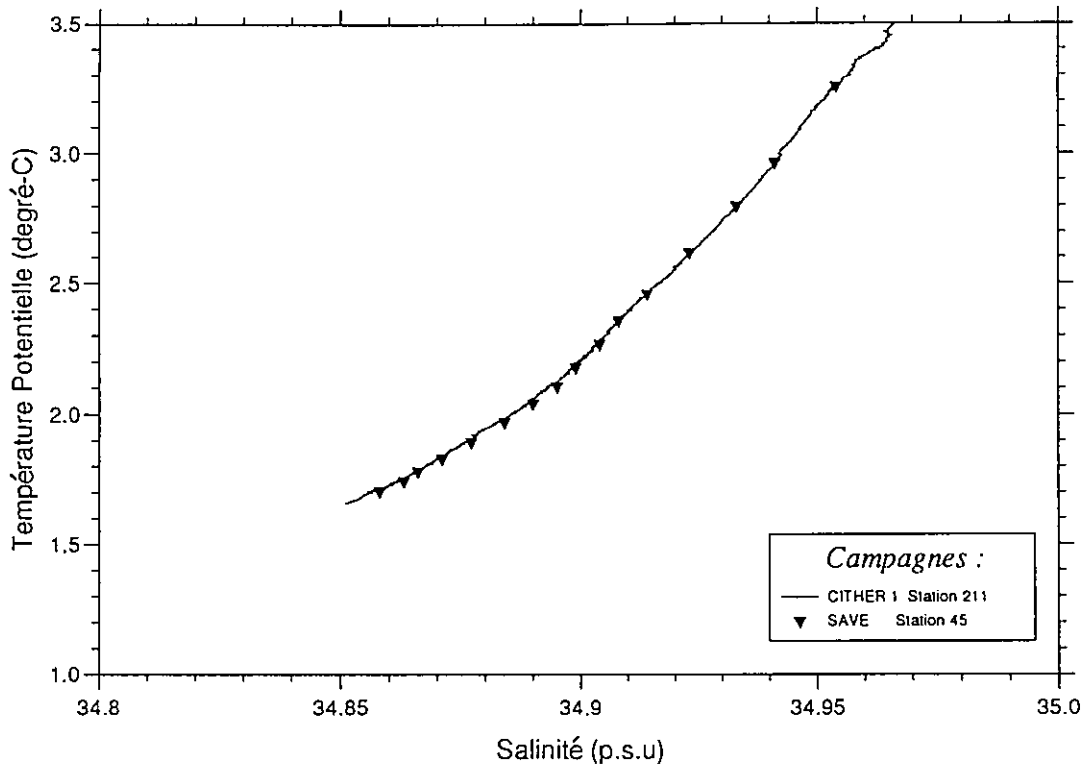


Figure 23 : Comparaison de diagrammes θ -S de la campagne CITHER 1 avec les données d'autres campagnes obtenues à une position géographique proche :

- a) station 211 de CITHER 1 et station 45 de SAVE (leg 2)
(données "bathysonde"),
- b) station 145 de CITHER 1 et station 63 de TTO-TAS
(données "rosette").

Campagne CITHER 1
Répartition des écarts en Oxygène
après recalage des profils CTD

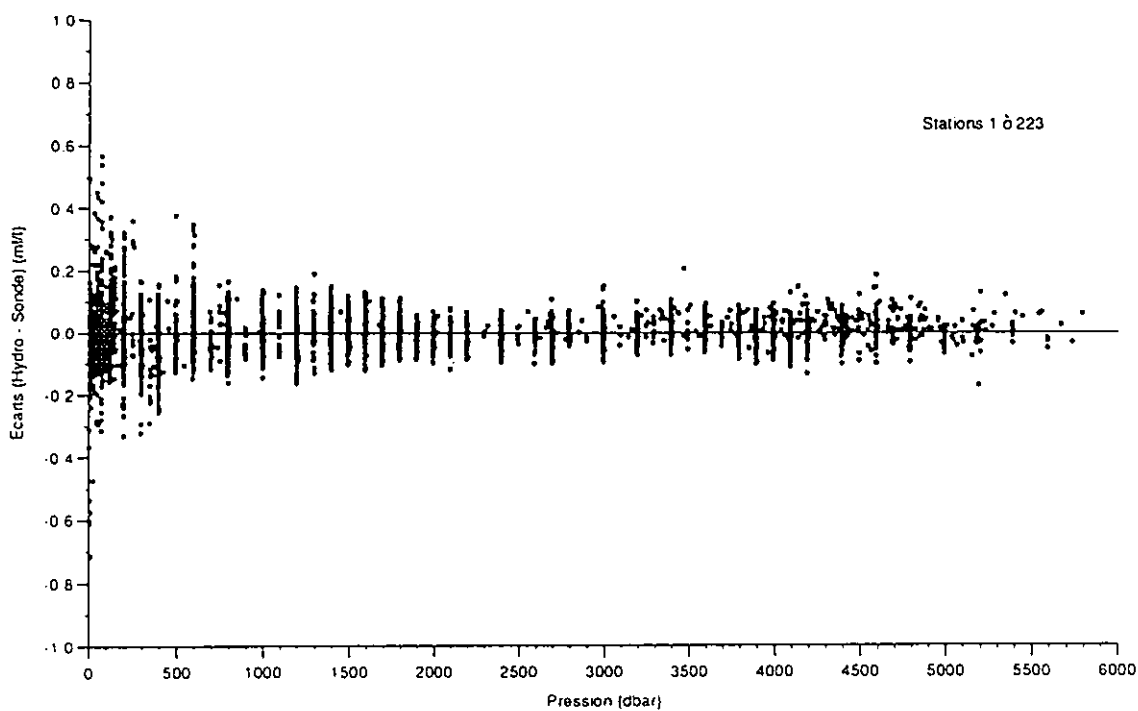
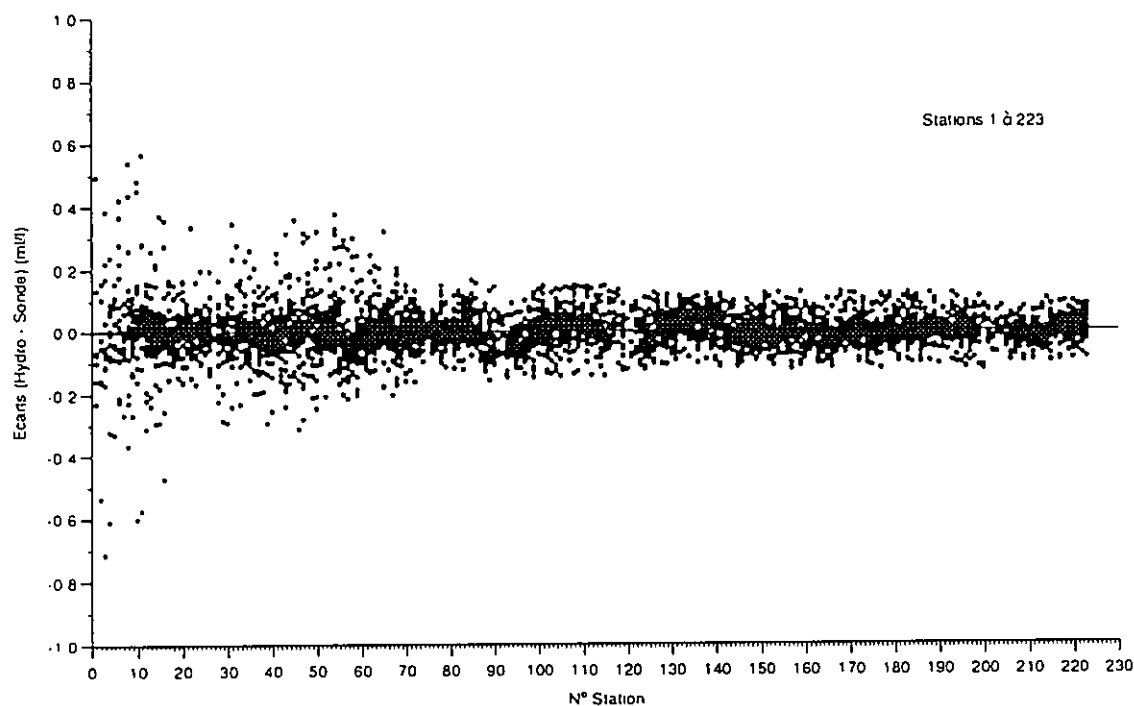


Figure 24 : Ecart entre la valeur d'oxygène mesurée sur les 6052 échantillons validés et celle du profil descente "bathysonde" à la pression du prélèvement, après recalage :

- a) en fonction du numéro de la station concernée,
- b) en fonction de la pression au niveau du prélèvement.

CITHER 1

Répartition des écarts en Oxygène (Hydro - Sonde) pour les profils descente

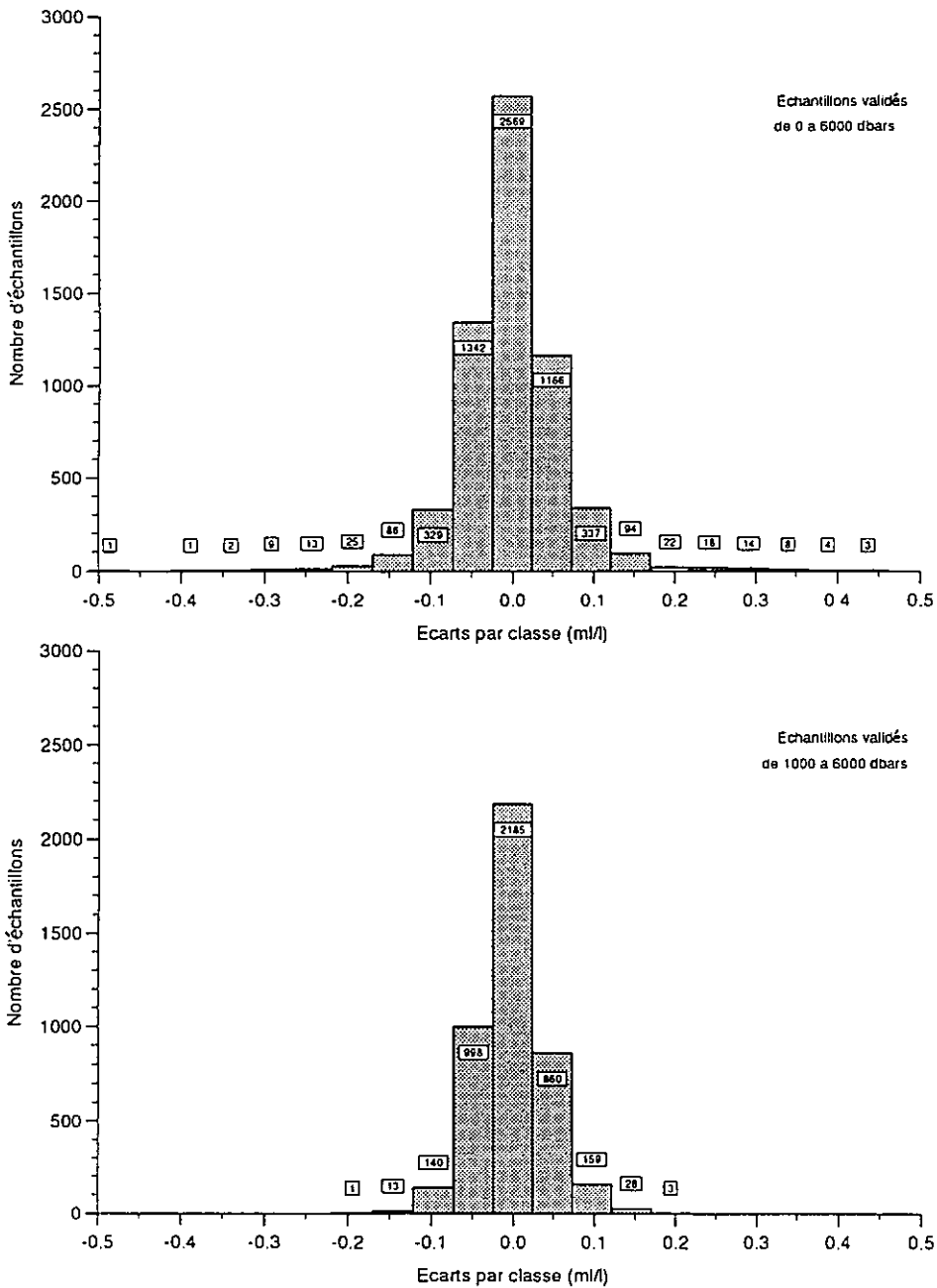


Figure 25 : Histogramme des écarts en oxygène entre la valeur mesurée sur les échantillons validés et celle du profil descente "bathysonde" à la pression du prélèvement, après recalage :
a) pour la totalité des 6052 échantillons validés sur la campagne,
b) pour les 4387 échantillons validés et prélevés à pression supérieure à 980 dbars.

CITHER 1 : Profil d'Oxygène dissous avec report des mesures Winkler

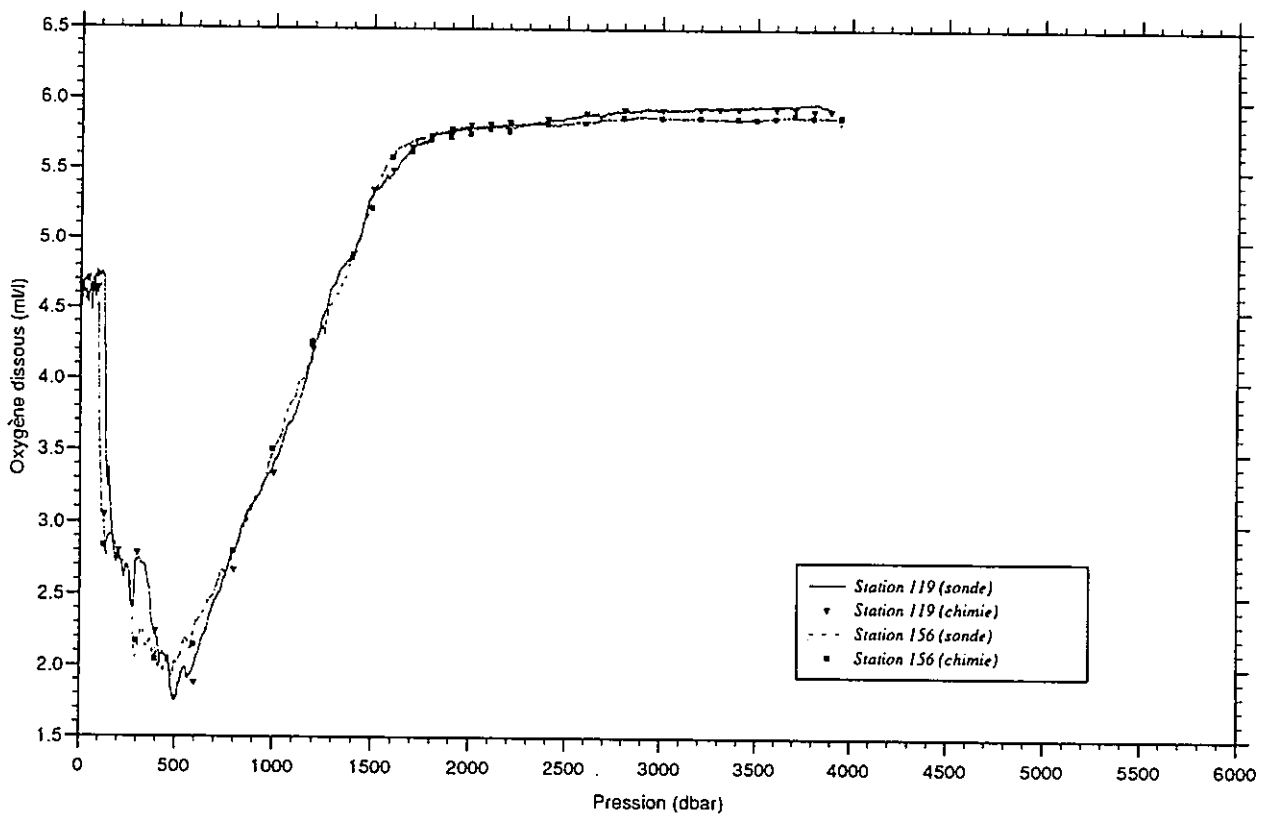


Figure 26 : Profils d'oxygène dissous obtenus à la campagne CITHER 1. Les stations 119 et 156 ont été réalisés à la même position géographique avec deux sondes différentes. L'oxygène mesuré sur les prélèvements de chaque station est reporté sur les profils avec un signe distinctif.

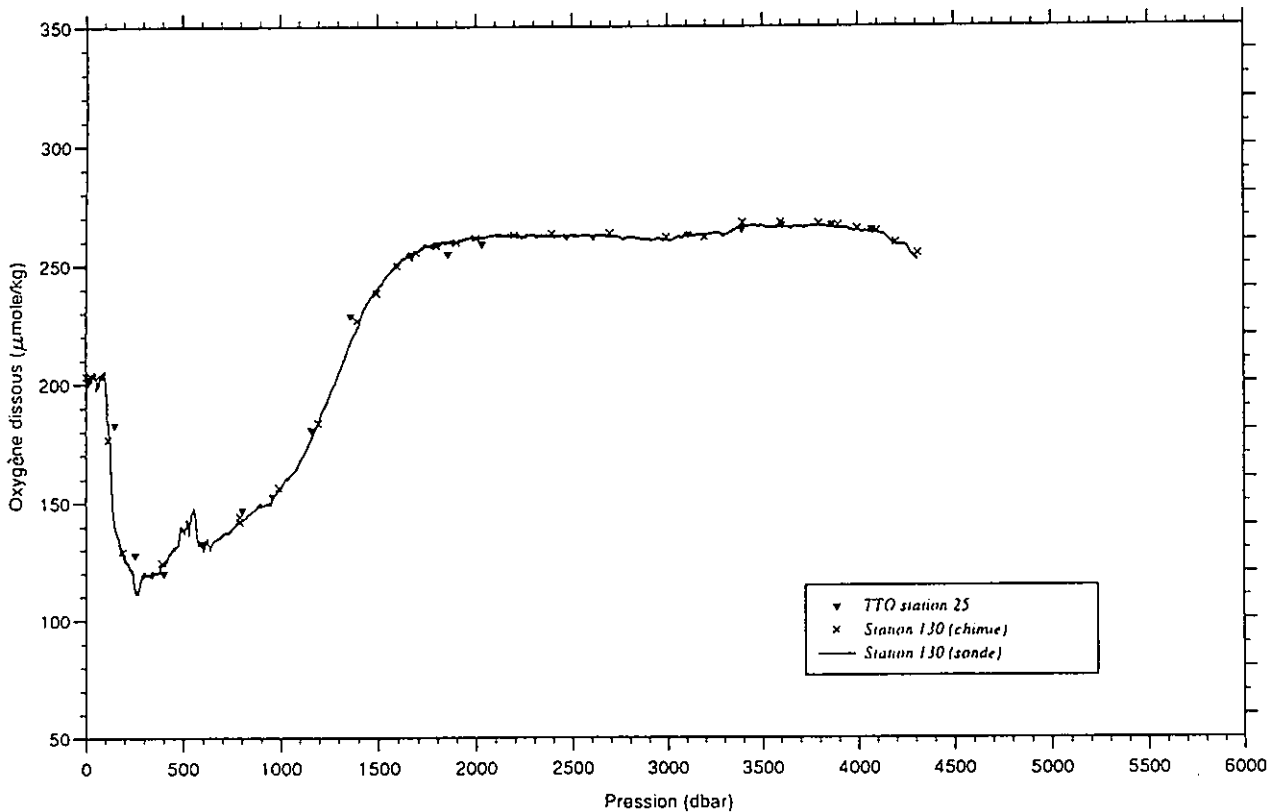
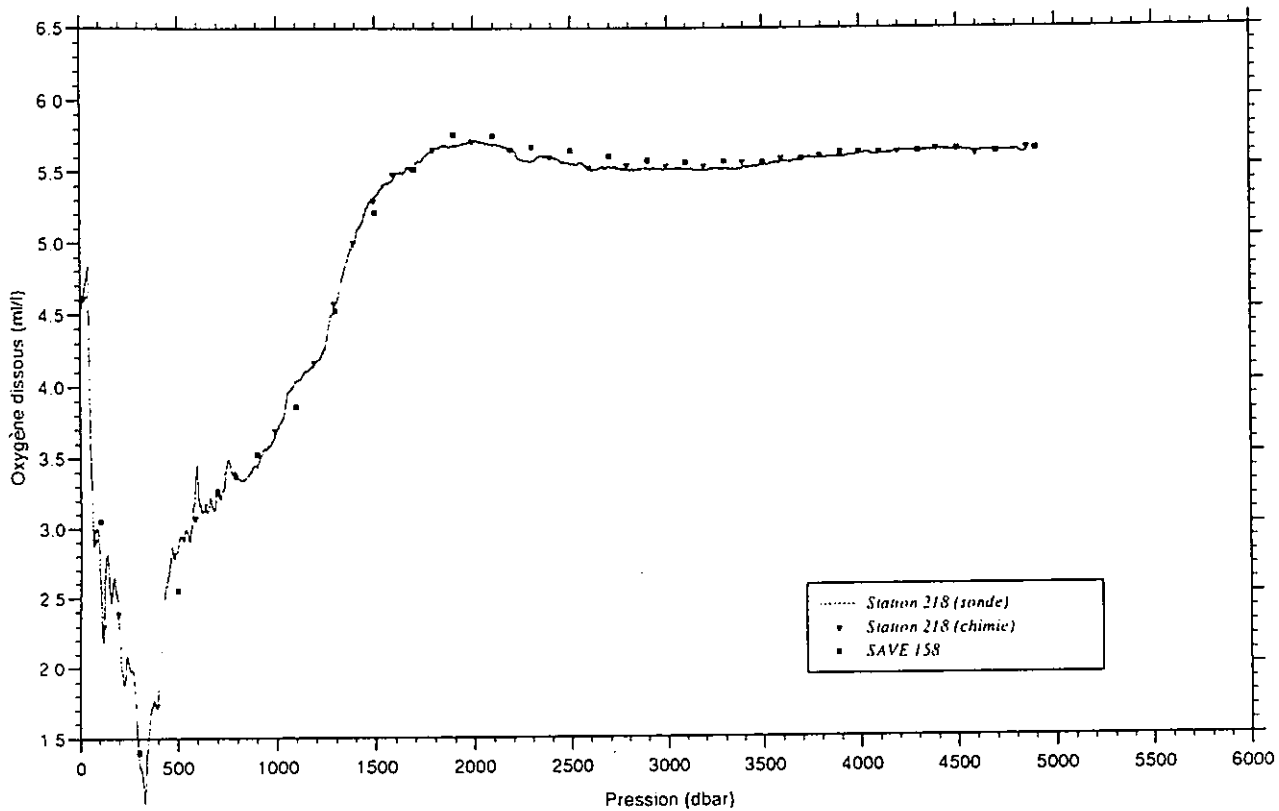


Figure 27 : Profils d'oxygène dissous obtenus aux stations 218 et 130 de CITHER 1. Les valeurs d'oxygène mesurées sur les prélèvements de ces 2 stations sont indiquées. Pour comparaison, les mesures d'oxygène extraites de stations, réalisées à une position géographique proche, au cours d'autres campagnes sont portées sur ces figures.
 a) les valeurs de la station SAVE 158 (leg 3) sont les données "bathysonde",
 b) les valeurs de la station TTO-TAS 25 sont les données "rosette".

IV - Listings et tracés des paramètres hydrologiques

Remarque :

1) Les mesures d'oxygène dissous ont été lissées verticalement sur 11 dbar pour éliminer l'effet de la houle.

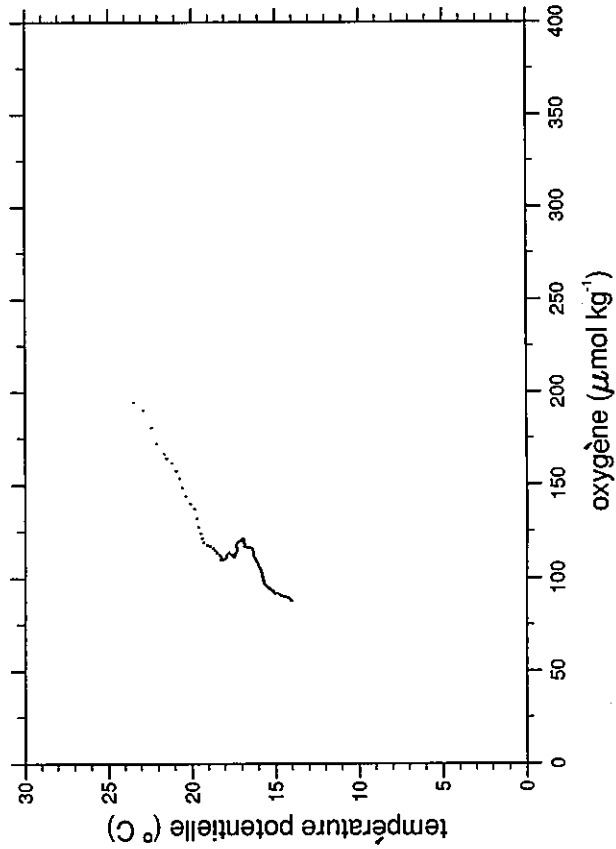
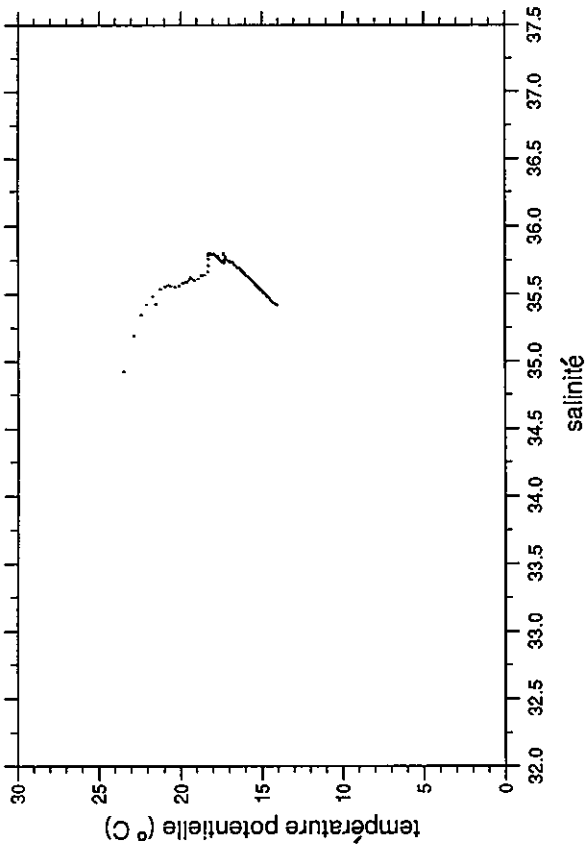
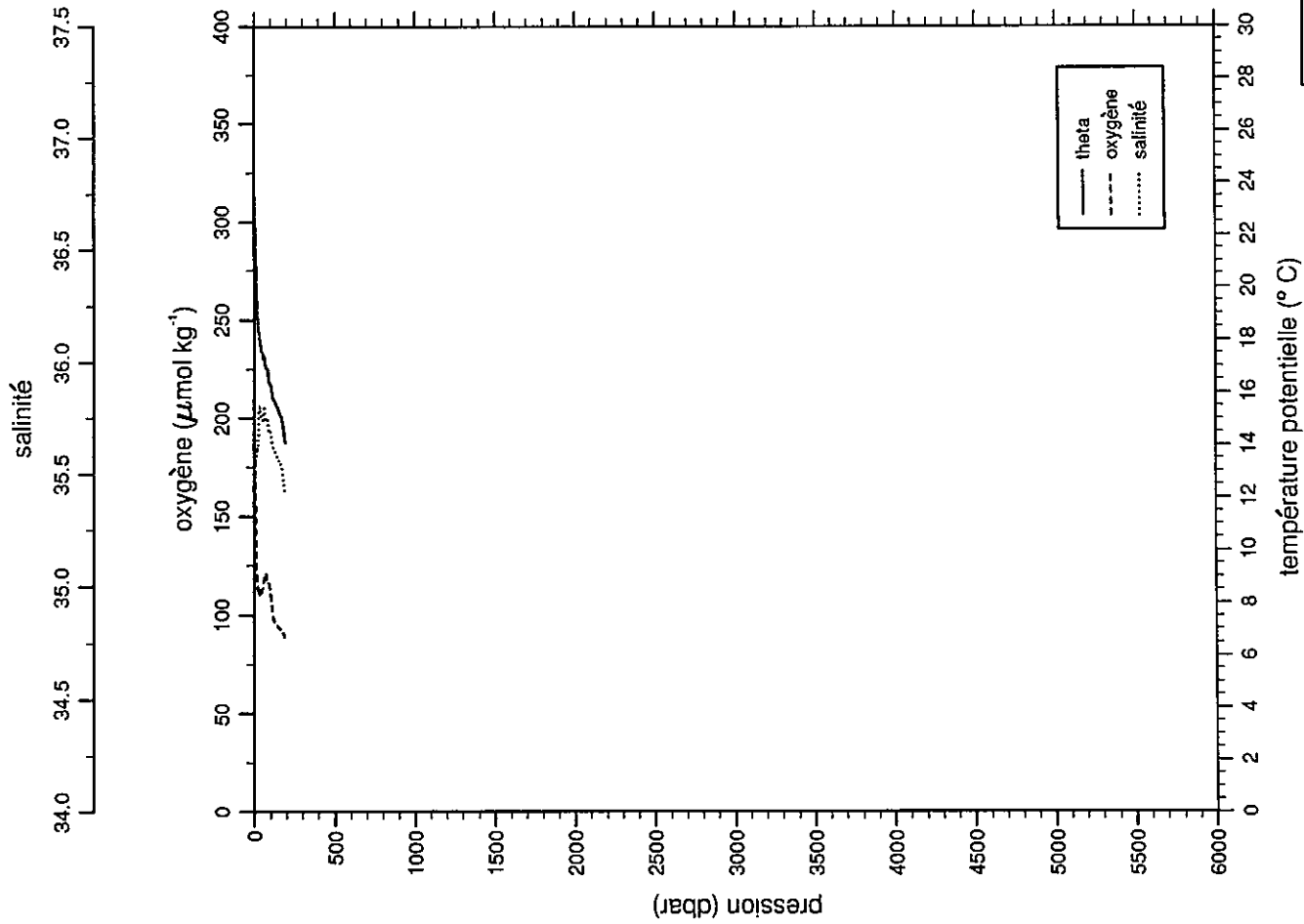
2) Les mesures de salinité et d'oxygène dissous déduites des analyses des échantillons d'eau de mer seront trouvées dans le volume 3 du recueil de données CITHER 1.

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| Station   :    1           Campagne  : CITHER1
| Date      : 03-01-93      Navire    : L'ATALANTE
| Profondeur: 214 m         Organisme : IFREMER
| Position  : S    4 25.18
|           : E   10 50.38
|
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PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	21.498	35.426	164.1	21.498
2.	23.494	34.923	194.5	23.494
3.	22.871	35.186	190.1	22.870
4.	22.405	35.346	180.9	22.404
5.	22.109	35.421	172.0	22.108
10.	20.594	35.559	148.5	20.592
20.	18.913	35.614	116.7	18.910
30.	18.142	35.802	109.8	18.136
40.	17.695	35.778	113.1	17.688
50.	17.457	35.745	112.1	17.449
100.	16.305	35.686	111.5	16.288
150.	15.335	35.567	94.2	15.312
196.	14.082	35.417	87.5	14.053



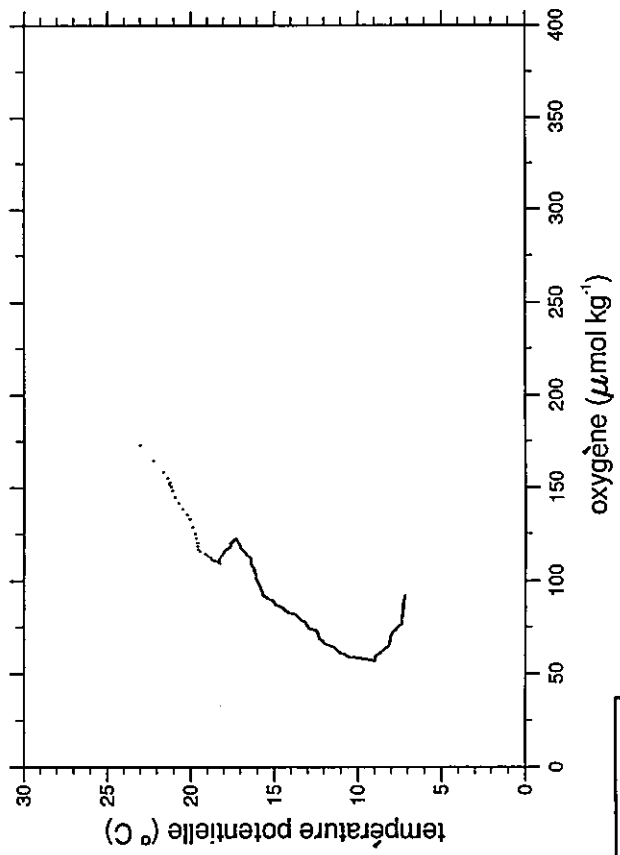
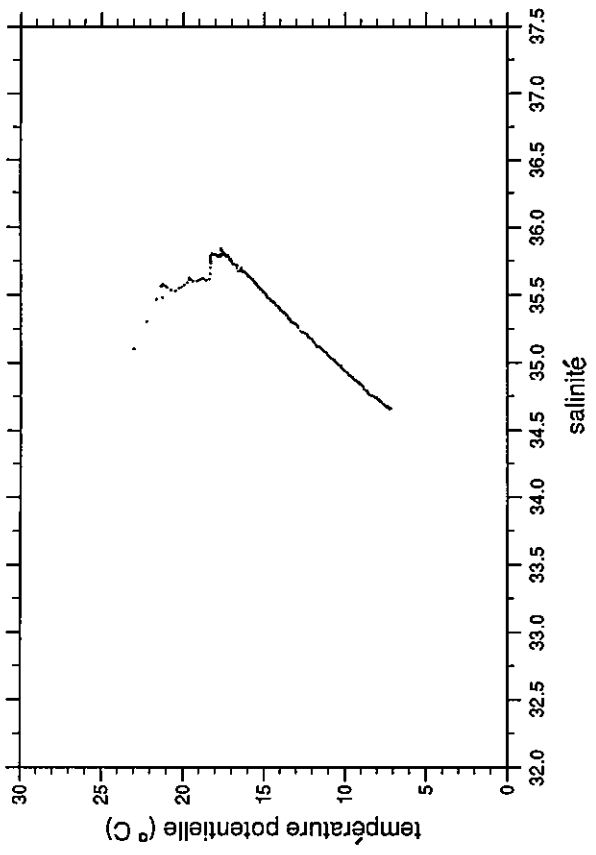
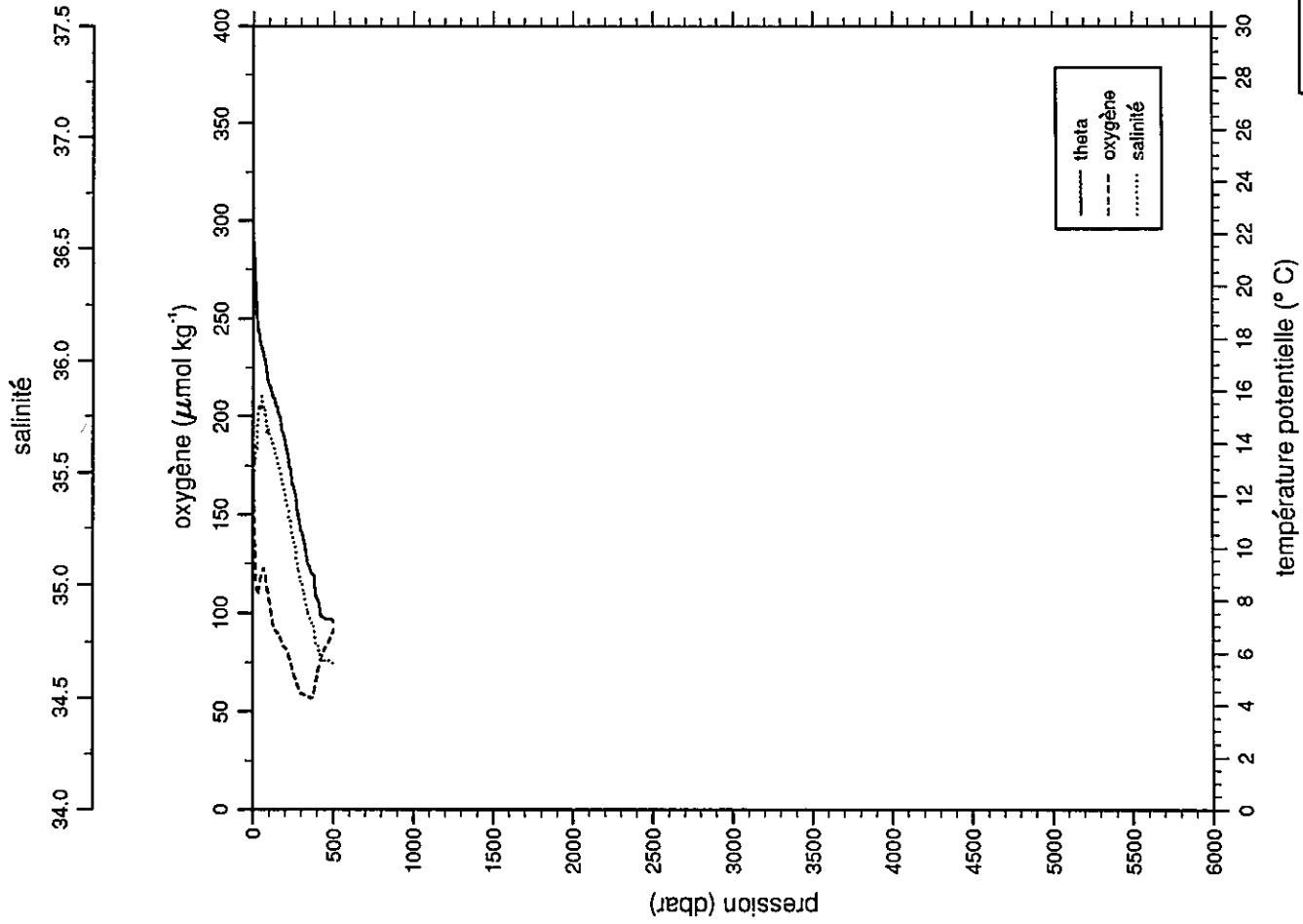
Station I

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| Station   :    2      Campagne  : CITHER1 |
| Date      : 03-01-93 Navire    : L'ATALANTE |
| Profondeur: 531 m    Organisme : IFREMER   |
| Position  : S   4 26.71 |
|            E 10 49.10 |
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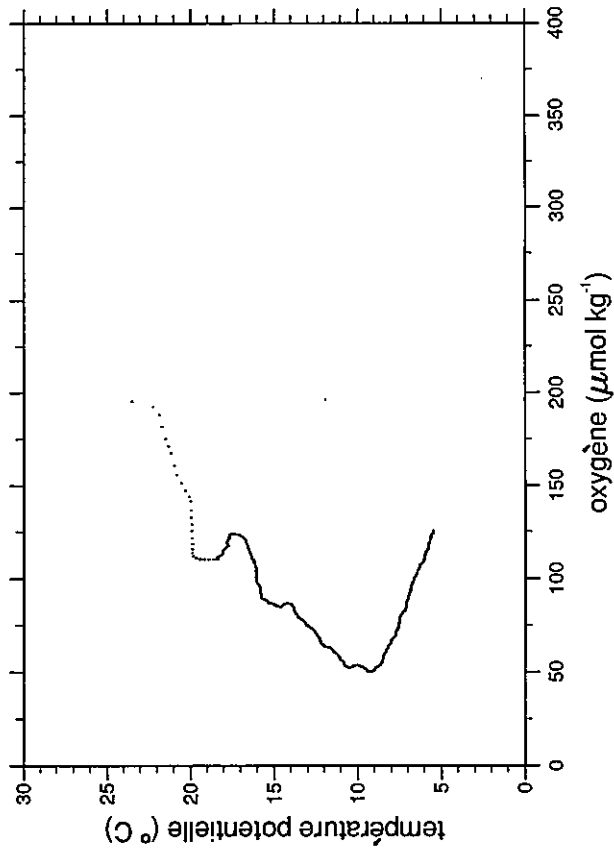
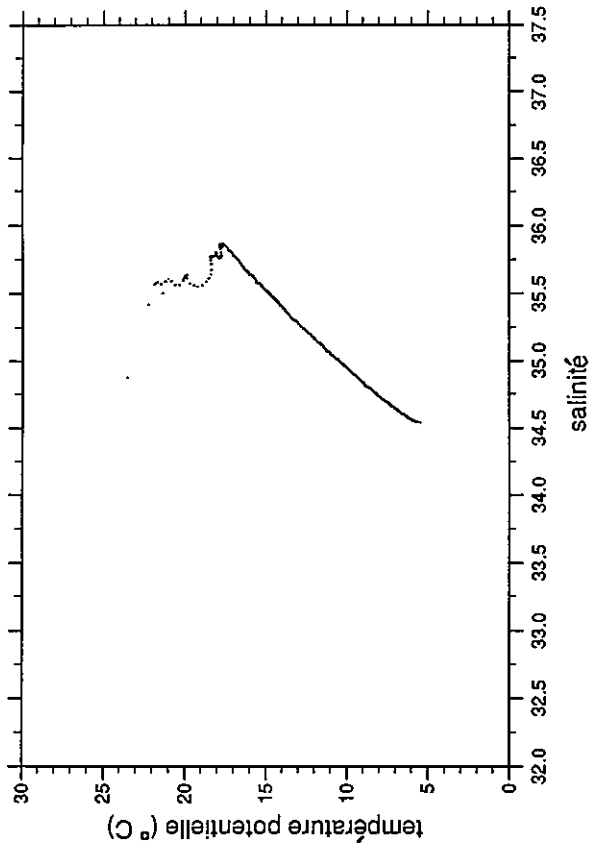
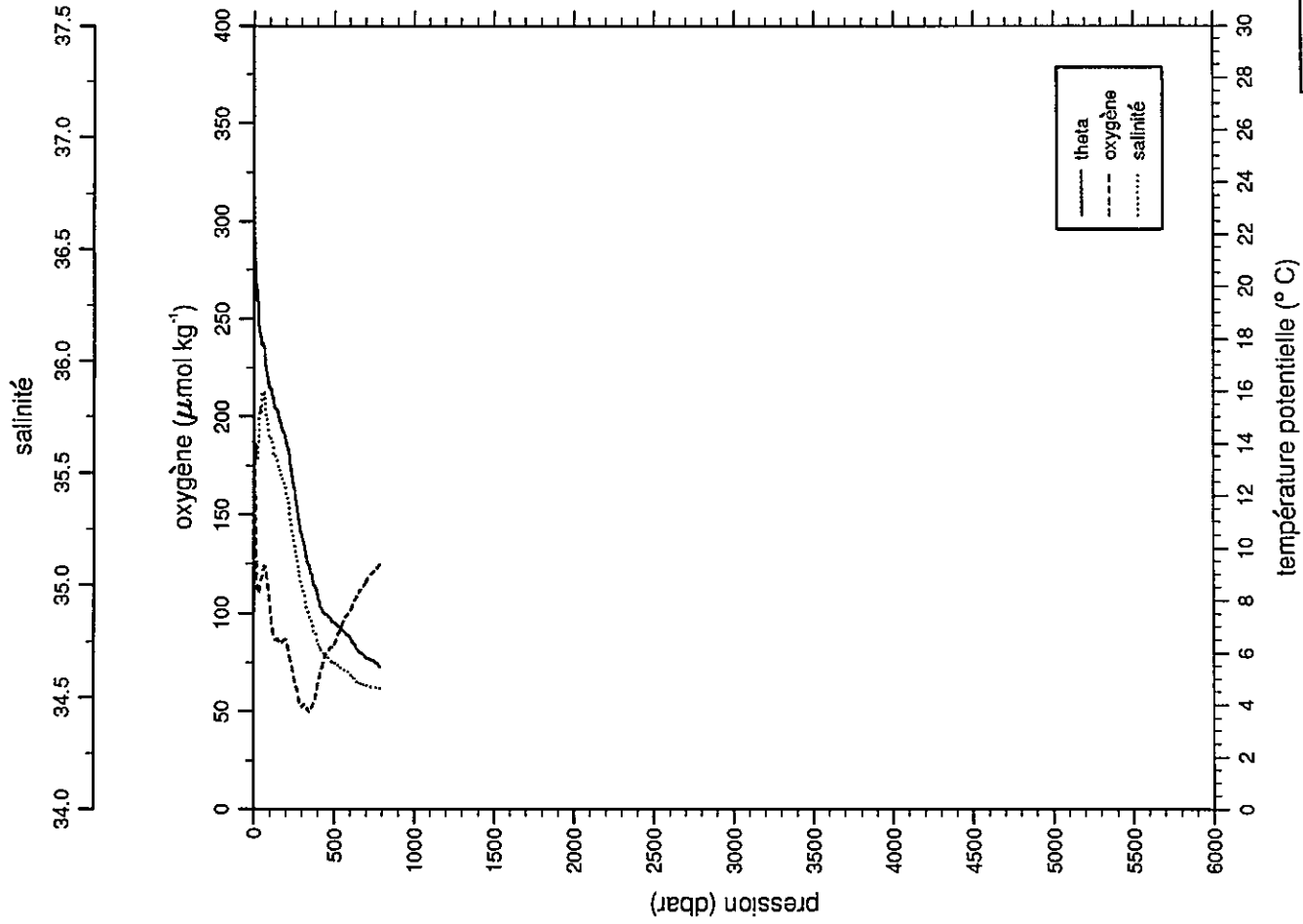
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	21.282	35.483	151.7	21.281
2.	23.031	35.100	173.2	23.030
3.	22.219	35.304	164.8	22.218
4.	21.641	35.471	158.6	21.640
5.	21.356	35.563	155.1	21.355
10.	20.742	35.534	141.6	20.740
20.	19.409	35.604	115.7	19.405
30.	18.292	35.753	109.4	18.287
40.	17.982	35.797	115.8	17.975
50.	17.701	35.800	118.2	17.692
100.	16.237	35.674	106.5	16.221
150.	15.380	35.565	90.3	15.357
200.	14.044	35.396	82.5	14.014
250.	12.382	35.206	70.3	12.349
300.	10.655	35.016	59.3	10.618
350.	9.291	34.858	57.4	9.252
400.	8.103	34.742	69.2	8.062
450.	7.336	34.665	82.3	7.293
500.	7.231	34.655	90.9	7.183
503.	7.231	34.655	91.8	7.182



Station 2

Station	: 3	Campagne	: CITHER1
Date	: 03-01-93	Navire	: L'ATALANTE
Profondeur	: 811 m	Organisme	: IFREMER
Position	: S 4 29.64		
	E 10 46.57		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	21.341	35.503	171.3	21.341
2.	23.501	34.875	195.4	23.500
3.	22.224	35.416	192.5	22.224
4.	21.876	35.569	188.0	21.876
5.	21.720	35.585	181.7	21.719
10.	20.576	35.564	151.1	20.574
20.	19.887	35.635	115.9	19.883
30.	18.340	35.677	110.5	18.335
40.	18.087	35.794	113.7	18.080
50.	17.772	35.800	118.4	17.763
100.	16.104	35.662	103.0	16.088
150.	15.150	35.541	86.7	15.127
200.	14.061	35.407	86.5	14.032
250.	12.279	35.197	67.1	12.246
300.	10.460	34.995	52.3	10.424
350.	9.205	34.851	50.3	9.166
400.	8.193	34.751	64.3	8.151
450.	7.520	34.689	79.2	7.475
500.	7.195	34.655	83.8	7.147
550.	6.908	34.629	93.5	6.856
600.	6.645	34.607	100.9	6.590
650.	6.119	34.566	109.5	6.061
700.	5.859	34.551	116.0	5.798
750.	5.745	34.544	121.2	5.679
789.	5.529	34.536	125.8	5.461



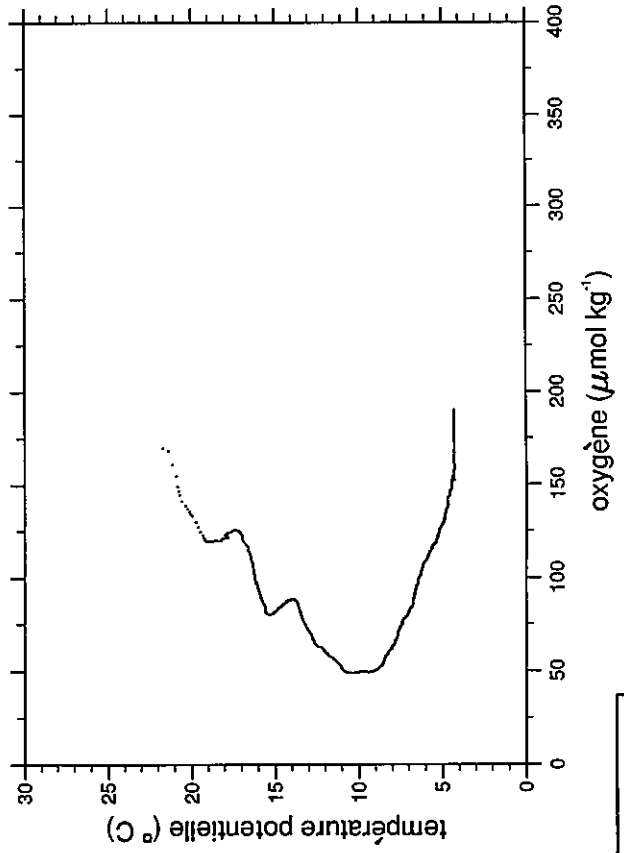
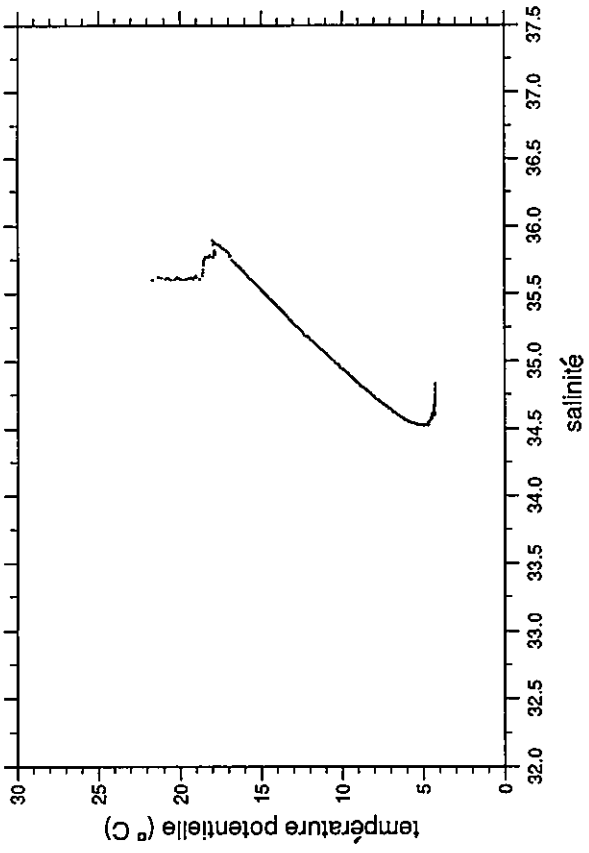
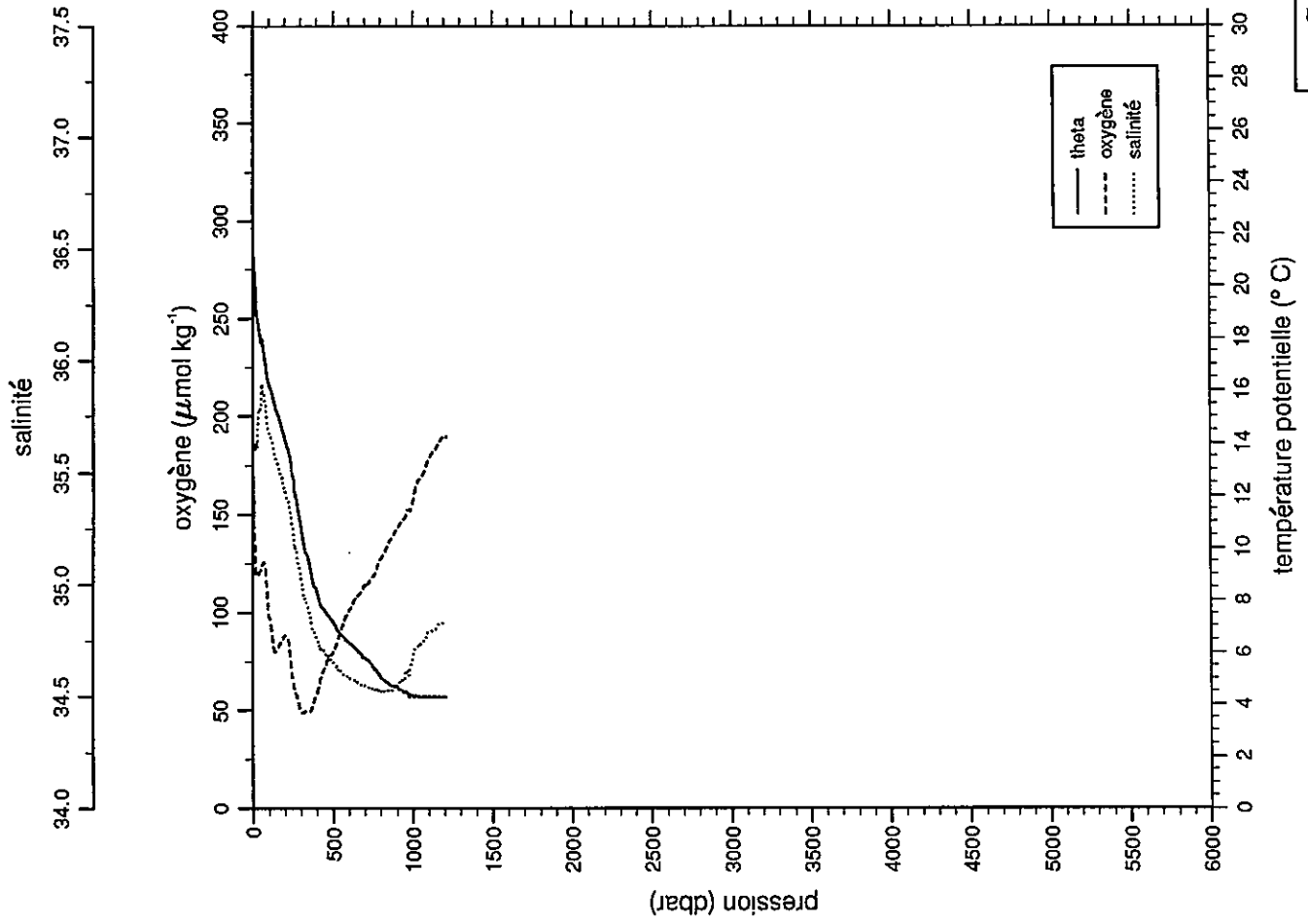
Station 3

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| Station   :    4      Campagne  : CITHER1  |
| Date      : 03-01-93  Navire    : L'ATALANTE |
| Profondeur: 1225 m   Organisme  : IFREMER   |
| Position  : S    4 32.44          |
|            E   10 44.17          |
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PRESSION dbar	TEMPERA- TURE deg.cels.	SALINITE	OXYGENE DISSOUS um/kg	TEMP. POTENT. deg.cels.
1.	20.726	35.612	146.7	20.726
2.	21.694	35.605	169.8	21.694
3.	21.357	35.622	168.3	21.356
4.	21.140	35.616	160.9	21.140
5.	20.909	35.610	154.6	20.908
10.	20.243	35.611	137.1	20.241
20.	19.110	35.620	119.8	19.107
30.	18.548	35.736	119.9	18.542
40.	18.181	35.785	120.7	18.174
50.	17.860	35.804	122.2	17.852
100.	16.186	35.674	98.0	16.170
150.	15.124	35.544	81.1	15.101
200.	14.113	35.419	88.2	14.084
250.	12.687	35.241	65.2	12.653
300.	10.762	35.026	49.1	10.726
350.	9.481	34.885	49.2	9.442
400.	8.309	34.763	58.9	8.268
450.	7.623	34.695	72.5	7.579
500.	7.208	34.658	79.3	7.160
550.	6.729	34.614	90.9	6.678
600.	6.404	34.583	100.9	6.349
650.	6.136	34.564	108.3	6.078
700.	5.821	34.548	114.2	5.760
750.	5.497	34.533	118.4	5.433
800.	5.097	34.519	127.7	5.031
850.	4.858	34.526	136.2	4.789
900.	4.732	34.549	143.0	4.659
950.	4.538	34.597	148.5	4.462
1000.	4.391	34.671	157.1	4.312
1050.	4.339	34.734	168.7	4.256
1100.	4.360	34.790	178.4	4.272
1150.	4.364	34.811	184.6	4.272
1200.	4.356	34.827	189.9	4.260
1210.	4.357	34.827	189.0	4.259



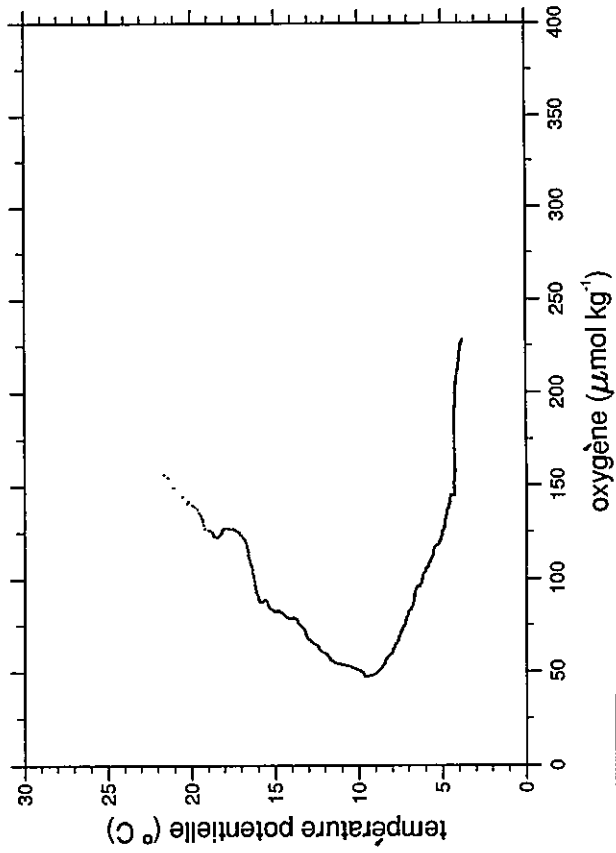
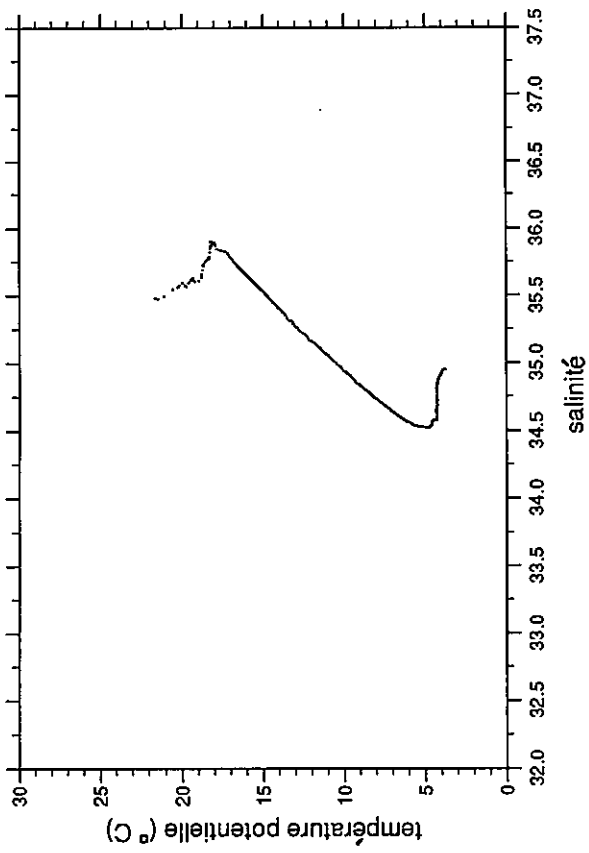
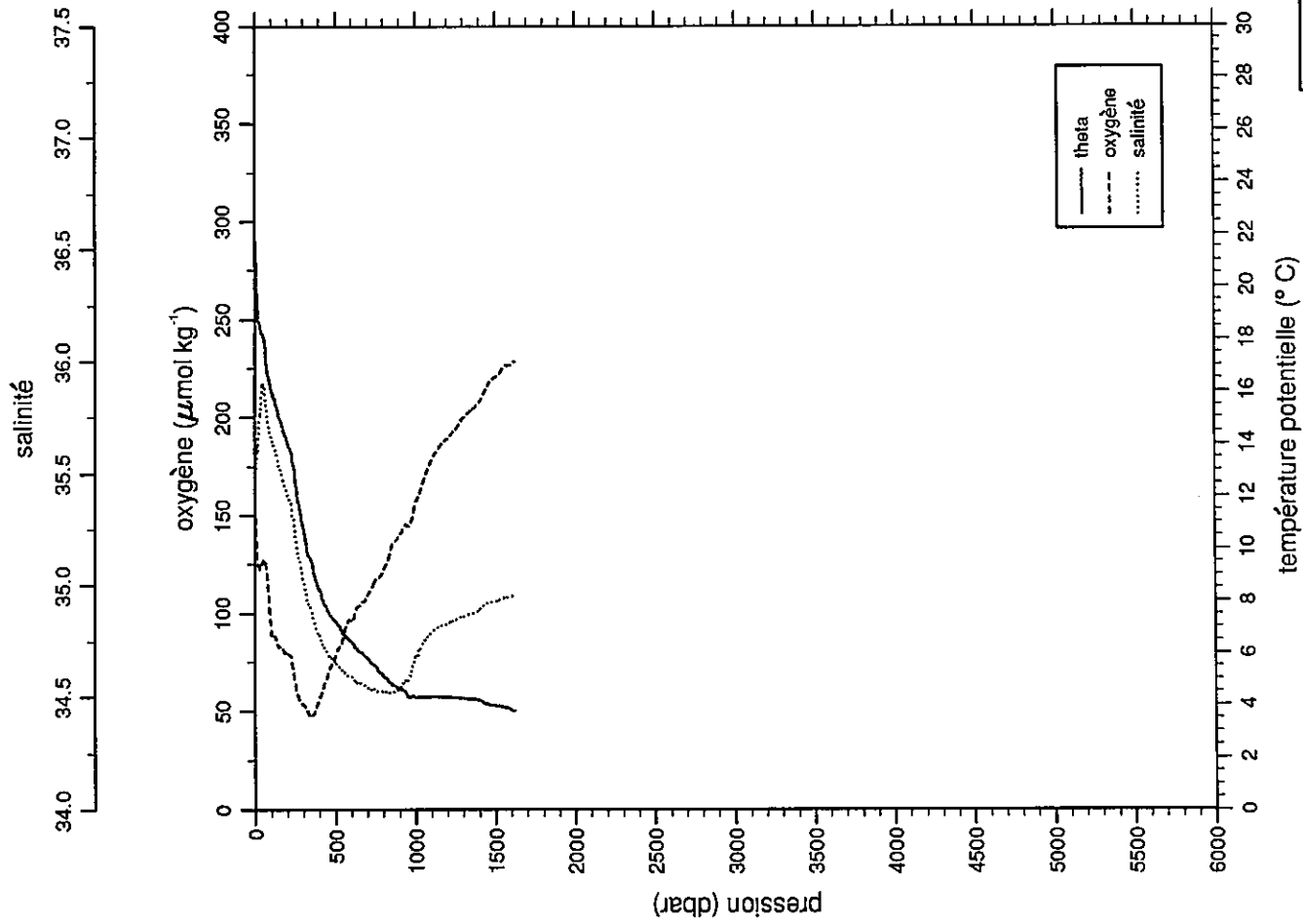
Station 4

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| Station   : 5           Campagne  : CITHER1
| Date      : 03-01-93    Navire    : L'ATALANTE
| Profondeur: 1626 m      Organisme : IFREMER
| Position  : S  4 35.02
|           : E 10 41.91
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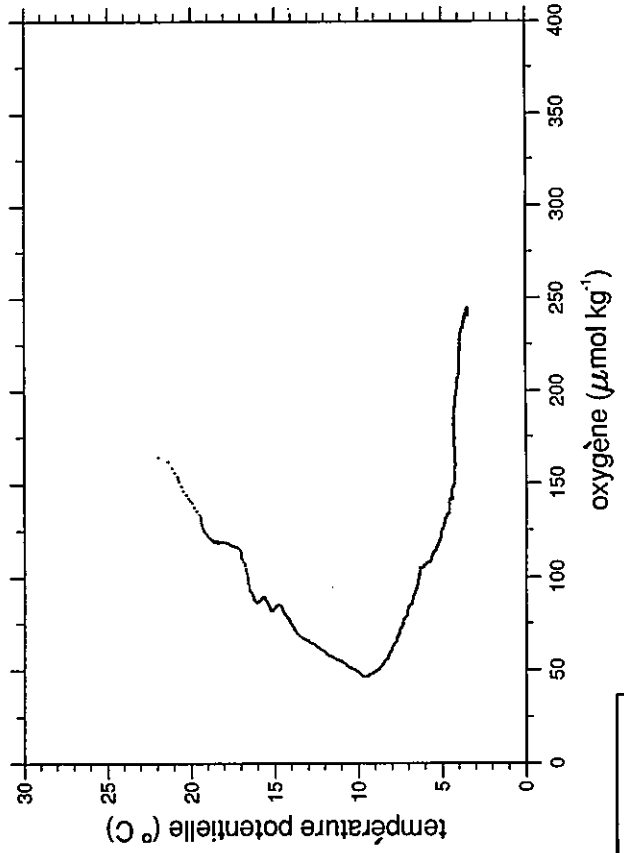
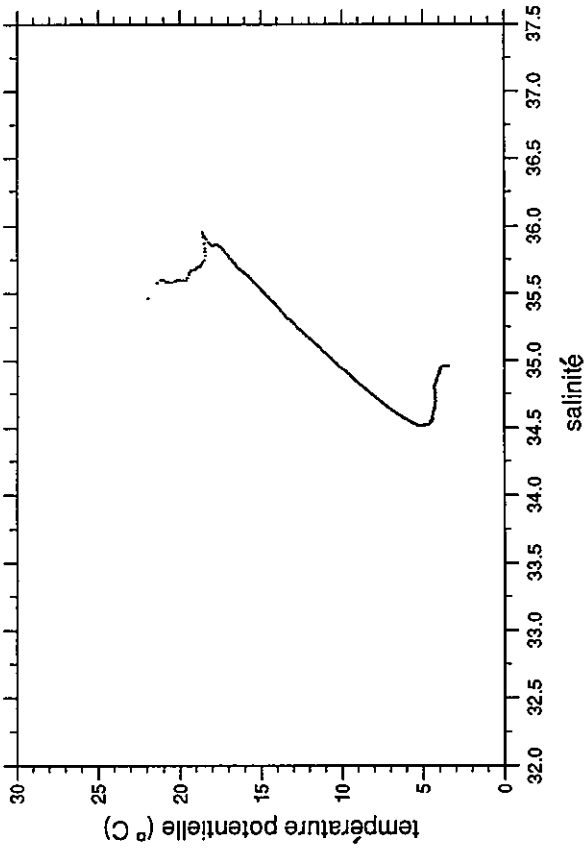
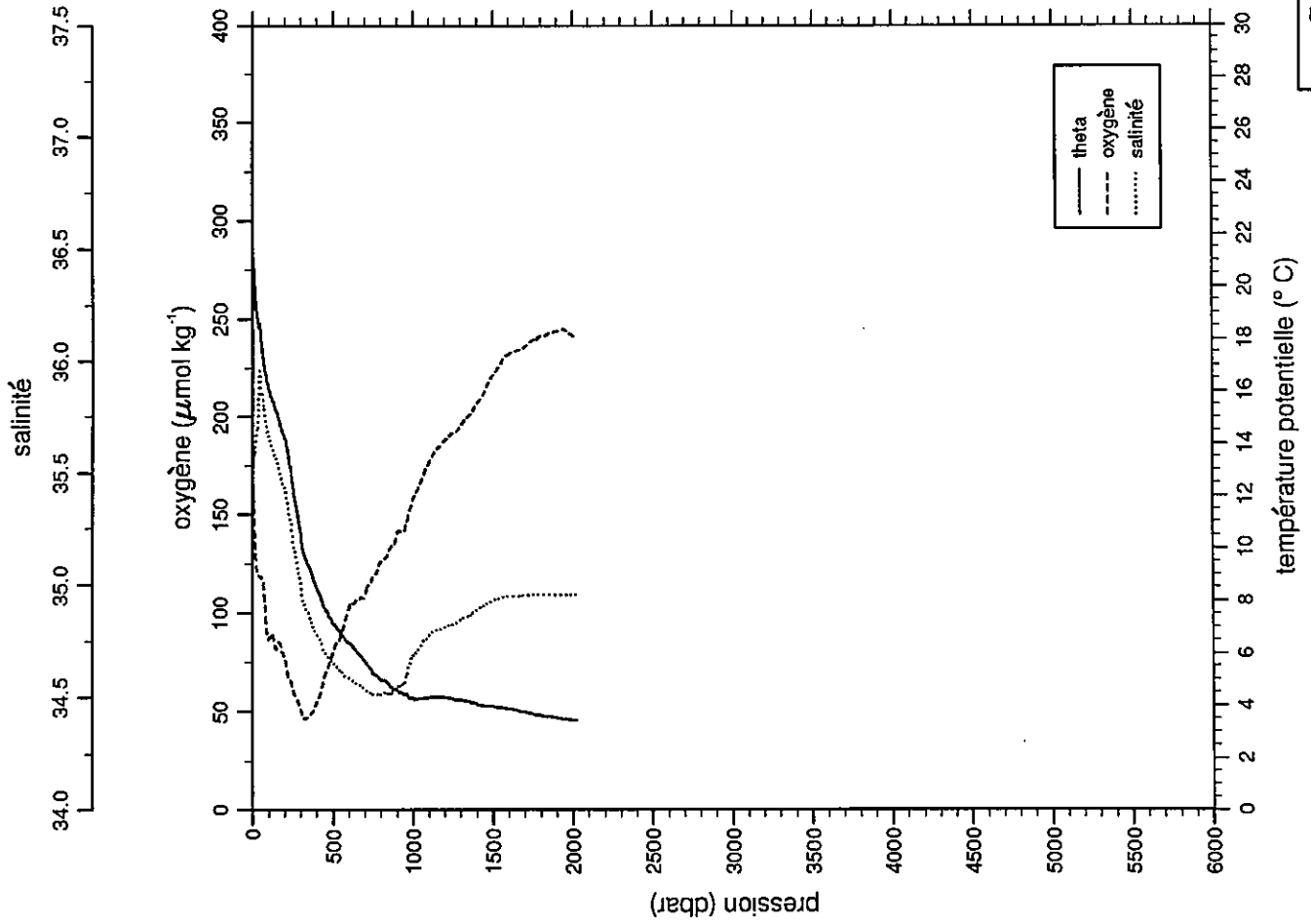
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	20.232	35.558	140.7	20.232
2.	21.623	35.484	156.0	21.623
3.	21.420	35.476	154.5	21.419
4.	21.058	35.491	149.0	21.057
5.	20.526	35.546	144.4	20.525
10.	19.530	35.595	135.7	19.528
20.	18.738	35.660	125.2	18.734
30.	18.434	35.766	122.6	18.429
40.	18.224	35.865	124.8	18.218
50.	18.113	35.894	127.0	18.104
100.	16.044	35.656	91.2	16.028
150.	15.020	35.534	82.7	14.997
200.	14.071	35.407	78.5	14.042
250.	12.549	35.216	64.5	12.515
300.	10.723	35.026	53.2	10.687
350.	9.530	34.888	47.2	9.491
400.	8.437	34.776	56.0	8.395
450.	7.679	34.700	67.3	7.634
500.	7.222	34.657	78.2	7.173
550.	6.748	34.613	88.1	6.697
600.	6.465	34.589	95.7	6.410
650.	6.077	34.561	103.8	6.019
700.	5.831	34.544	109.0	5.769
750.	5.546	34.533	116.9	5.482
800.	5.150	34.524	122.0	5.084
850.	4.858	34.518	133.9	4.789
900.	4.678	34.534	139.6	4.605
950.	4.403	34.573	144.4	4.329
1000.	4.355	34.682	156.0	4.276
1050.	4.357	34.741	167.6	4.273
1100.	4.380	34.791	178.2	4.292
1150.	4.371	34.816	184.9	4.279
1200.	4.352	34.824	189.0	4.256
1250.	4.339	34.841	193.8	4.238
1300.	4.333	34.859	199.5	4.228
1350.	4.304	34.871	203.5	4.194
1400.	4.269	34.883	207.7	4.155
1450.	4.134	34.919	215.9	4.017
1500.	4.076	34.928	220.5	3.955
1550.	4.017	34.943	225.7	3.892
1600.	3.913	34.950	227.2	3.785
1621.	3.878	34.951	228.1	3.749



Station 5

Station	: 6	Campagne	: CITHER1
Date	: 03-01-93	Navire	: L'ATALANTE
Profondeur	: 2022 m	Organisme	: IFREMER
Position	: S 4 38.93		
	E 10 38.51		

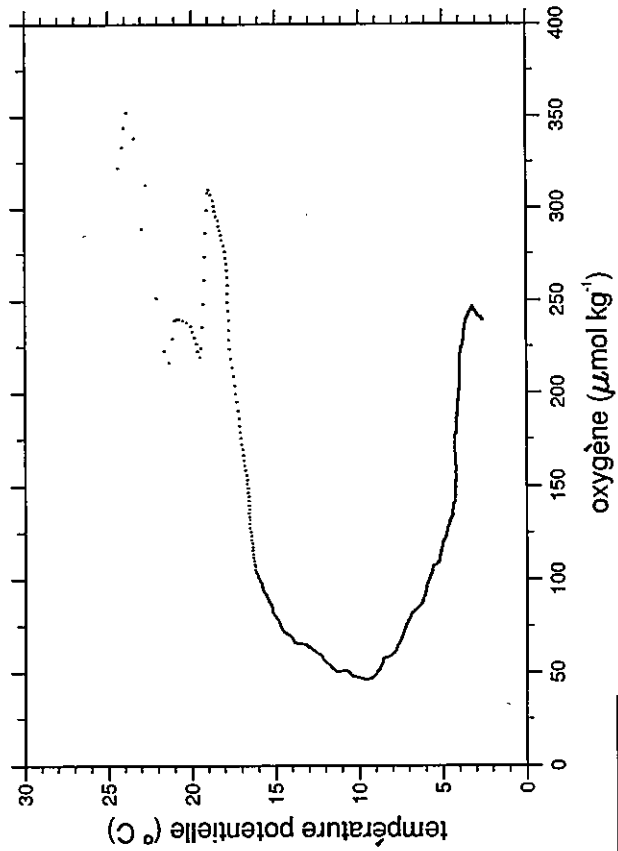
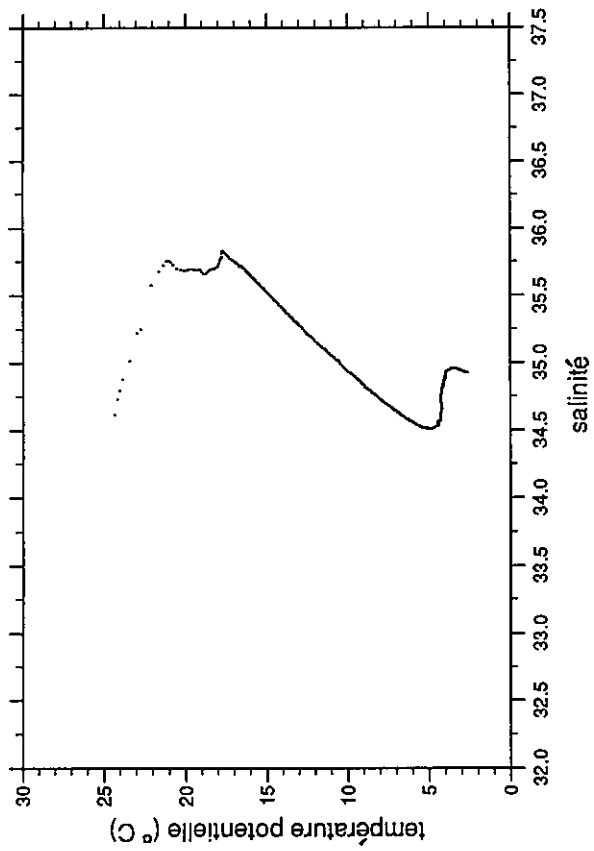
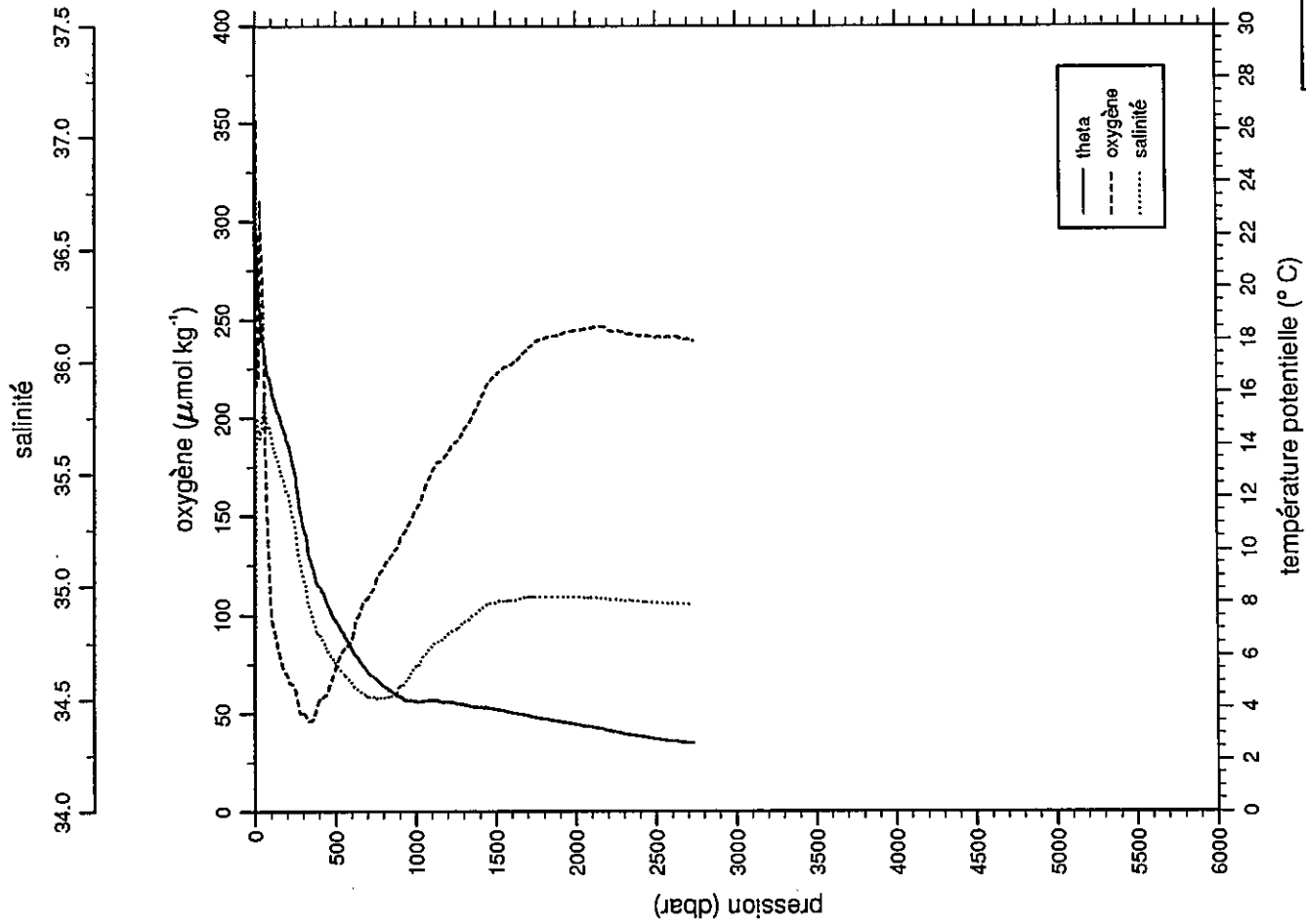
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/Kg	deg.cels.
1.	20.770	35.577	152.7	20.770
2.	21.937	35.463	164.6	21.937
3.	21.362	35.576	162.1	21.362
4.	21.124	35.598	158.6	21.123
5.	20.988	35.597	156.1	20.987
10.	20.270	35.588	144.3	20.268
20.	19.335	35.662	127.9	19.332
30.	18.712	35.707	119.8	18.707
40.	18.606	35.956	118.9	18.599
50.	18.020	35.858	118.7	18.012
100.	16.064	35.659	86.5	16.048
150.	15.180	35.552	81.9	15.157
200.	14.181	35.426	77.6	14.152
250.	12.325	35.195	61.6	12.291
300.	10.482	34.990	51.1	10.446
350.	9.364	34.870	47.6	9.324
400.	8.470	34.776	54.9	8.428
450.	7.707	34.702	68.2	7.662
500.	7.159	34.650	79.6	7.111
550.	6.783	34.616	89.0	6.732
600.	6.393	34.586	102.5	6.338
650.	6.087	34.560	106.4	6.029
700.	5.711	34.535	109.4	5.651
750.	5.258	34.512	118.5	5.195
800.	5.021	34.511	126.0	4.955
850.	4.838	34.515	131.8	4.769
900.	4.645	34.544	140.4	4.573
950.	4.465	34.574	142.7	4.390
1000.	4.357	34.690	157.8	4.278
1050.	4.328	34.729	167.0	4.245
1100.	4.354	34.776	176.5	4.267
1150.	4.379	34.798	183.8	4.287
1200.	4.378	34.812	188.0	4.282
1250.	4.332	34.826	191.6	4.231
1300.	4.299	34.845	195.8	4.194
1350.	4.224	34.862	200.6	4.116
1400.	4.163	34.887	207.1	4.051
1450.	4.090	34.912	213.7	3.973
1500.	4.064	34.930	221.5	3.943
1550.	4.040	34.947	227.7	3.915
1600.	3.993	34.951	231.9	3.864
1650.	3.935	34.951	233.8	3.802
1700.	3.872	34.953	235.9	3.735
1750.	3.800	34.955	239.0	3.659
1800.	3.743	34.956	241.1	3.599
1850.	3.693	34.957	242.5	3.544
1900.	3.665	34.956	243.8	3.512
1950.	3.624	34.956	244.4	3.467
2000.	3.581	34.955	241.3	3.419
2021.	3.580	34.955	240.5	3.417



Station 6

Station	: 7	Campagne	: CITHER1
Date	: 03-01-93	Navire	: L'ATALANTE
Profondeur	: 2722 m	Organisme	: IFREMER
Position	: S 4 41.89		
	E 10 15.92		

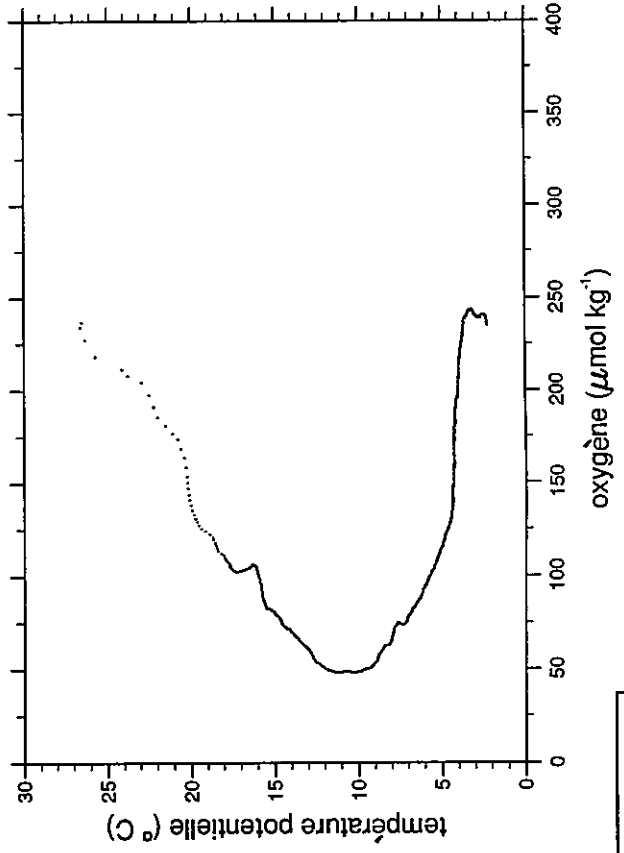
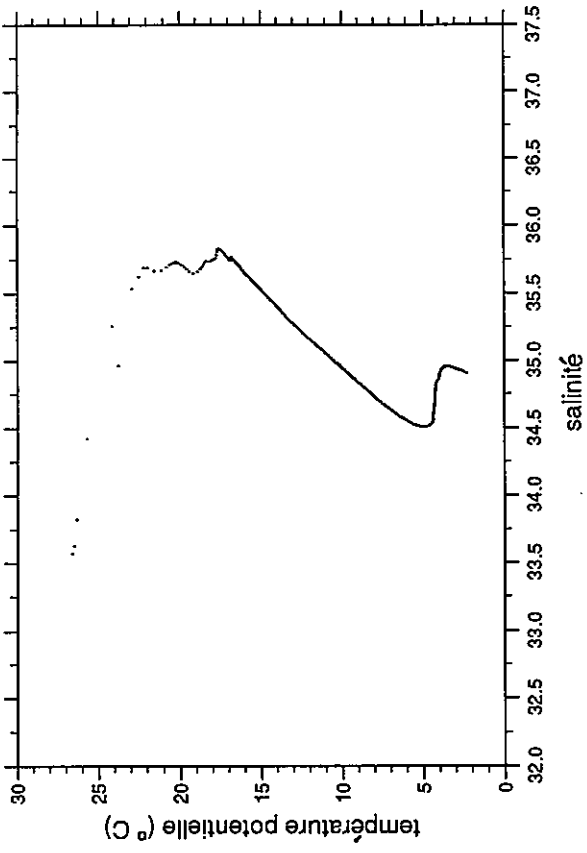
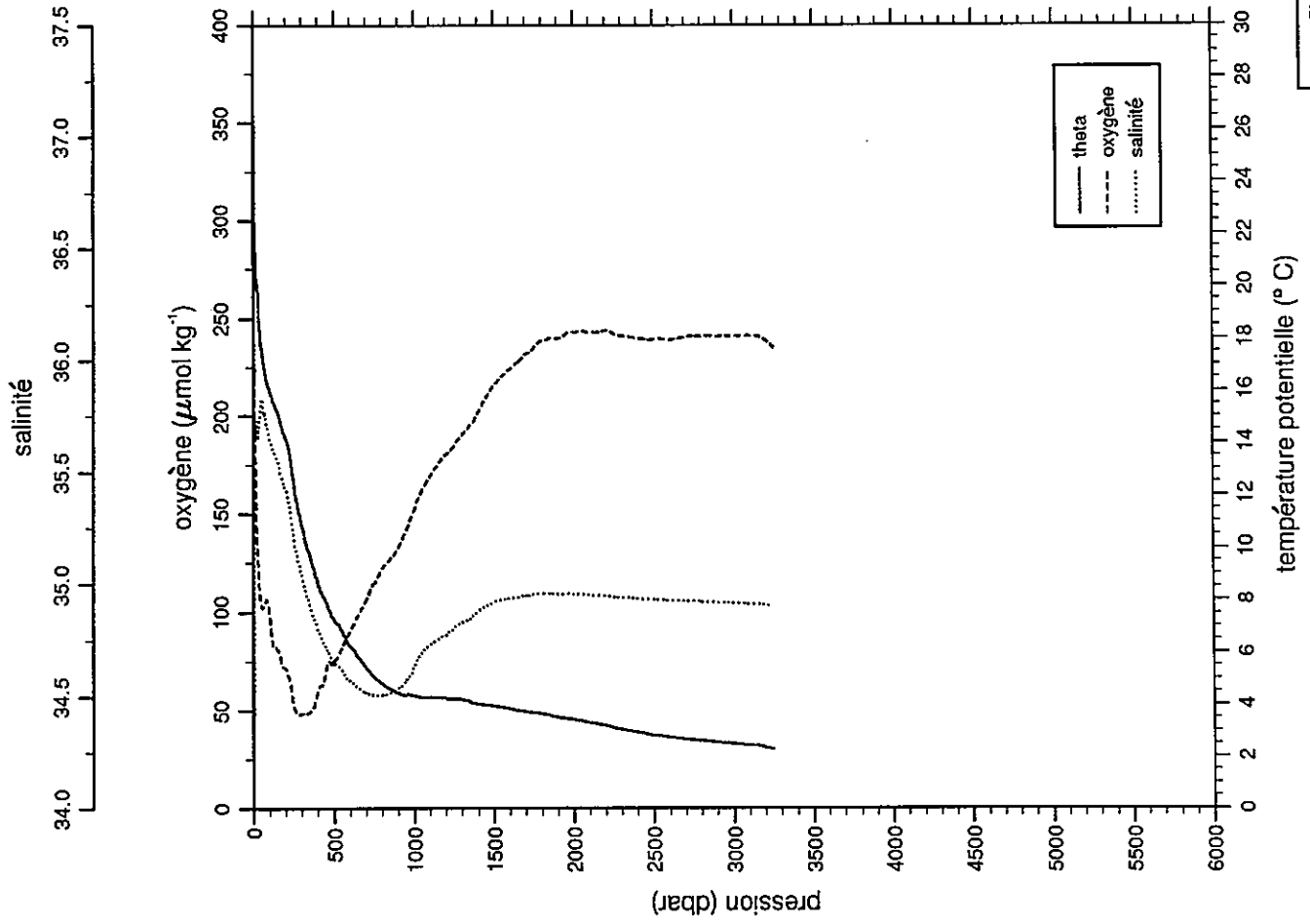
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	22.734	35.249	312.5	22.733
2.	24.376	34.616	321.9	24.376
3.	24.156	34.731	333.1	24.156
4.	24.055	34.797	343.9	24.054
5.	23.863	34.879	352.2	23.862
10.	21.362	35.722	216.5	21.360
20.	19.712	35.696	226.5	19.708
30.	19.055	35.689	308.2	19.050
40.	18.233	35.698	285.2	18.226
50.	17.825	35.775	249.1	17.816
100.	16.132	35.665	102.8	16.116
150.	15.124	35.540	81.4	15.101
200.	14.102	35.408	69.2	14.073
250.	12.817	35.253	62.3	12.783
300.	10.820	35.034	50.9	10.783
350.	9.463	34.878	46.3	9.424
400.	8.615	34.790	57.0	8.572
450.	7.951	34.717	60.9	7.905
500.	7.355	34.663	73.0	7.306
550.	6.871	34.622	82.3	6.819
600.	6.284	34.574	87.5	6.230
650.	5.832	34.541	101.0	5.776
700.	5.401	34.516	108.1	5.342
750.	5.139	34.508	116.4	5.077
800.	4.869	34.507	123.8	4.804
850.	4.682	34.516	130.2	4.614
900.	4.497	34.556	137.2	4.426
950.	4.328	34.593	144.7	4.254
1000.	4.310	34.646	153.1	4.232
1050.	4.322	34.695	162.3	4.239
1100.	4.357	34.737	172.0	4.270
1150.	4.306	34.757	177.7	4.214
1200.	4.301	34.788	182.4	4.205
1250.	4.261	34.812	187.6	4.161
1300.	4.211	34.842	193.6	4.107
1350.	4.139	34.871	200.4	4.031
1400.	4.104	34.897	208.8	3.992
1450.	4.086	34.922	217.6	3.969
1500.	4.048	34.930	222.0	3.927
1550.	3.994	34.933	225.4	3.869
1600.	3.918	34.938	227.4	3.789
1650.	3.864	34.944	230.8	3.731
1700.	3.814	34.951	235.2	3.678
1750.	3.749	34.954	238.8	3.609
1800.	3.697	34.954	240.2	3.553
1850.	3.636	34.953	241.4	3.488
1900.	3.593	34.953	242.2	3.441
1950.	3.553	34.954	243.8	3.397
2000.	3.511	34.953	244.6	3.350
2050.	3.441	34.951	245.1	3.277
2100.	3.408	34.951	245.9	3.239
2150.	3.362	34.949	246.7	3.190
2200.	3.286	34.944	245.1	3.110
2250.	3.238	34.942	244.2	3.058
2300.	3.163	34.938	243.4	2.979
2350.	3.123	34.937	242.7	2.935
2400.	3.072	34.933	241.9	2.881
2450.	3.033	34.932	241.7	2.838
2500.	2.980	34.928	240.9	2.780
2550.	2.937	34.927	240.7	2.733
2600.	2.893	34.925	241.2	2.686
2650.	2.877	34.924	240.5	2.664
2700.	2.847	34.923	240.0	2.630
2731.	2.838	34.923	239.3	2.619



Station 7

Station : 8 Campagne : CITHERR1
 Date : 03-01-93 Navire : L'ATALANTE
 Profondeur: 3238 m Organisme : IFREMER
 Position : S 4 39.87
 E 9 46.03

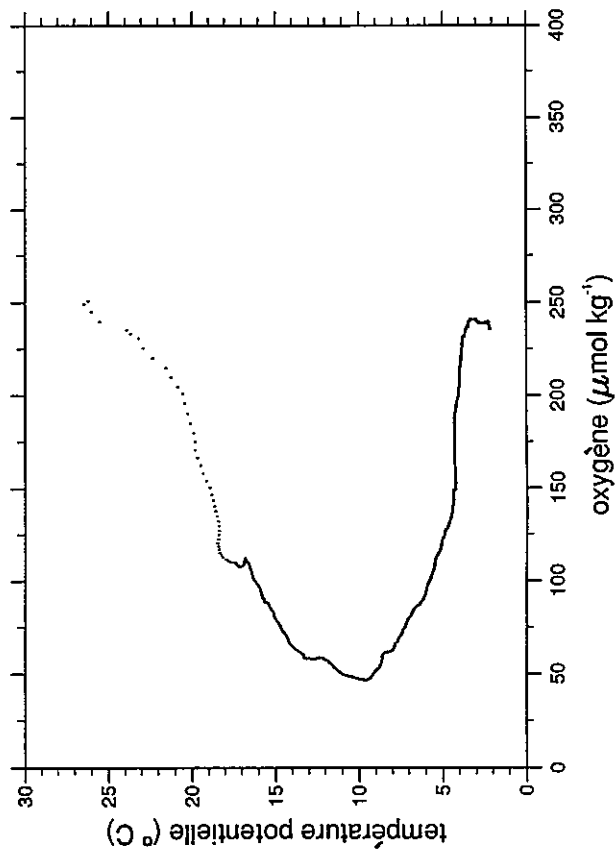
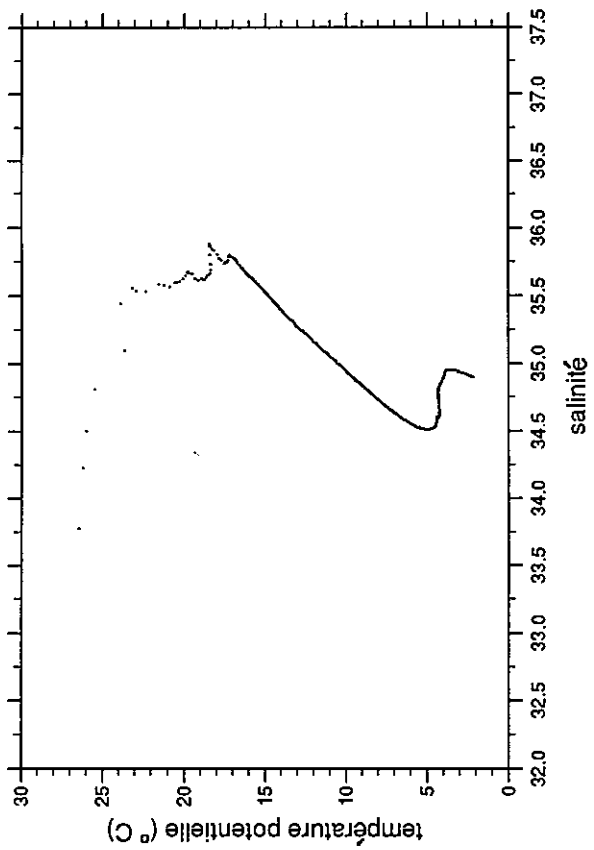
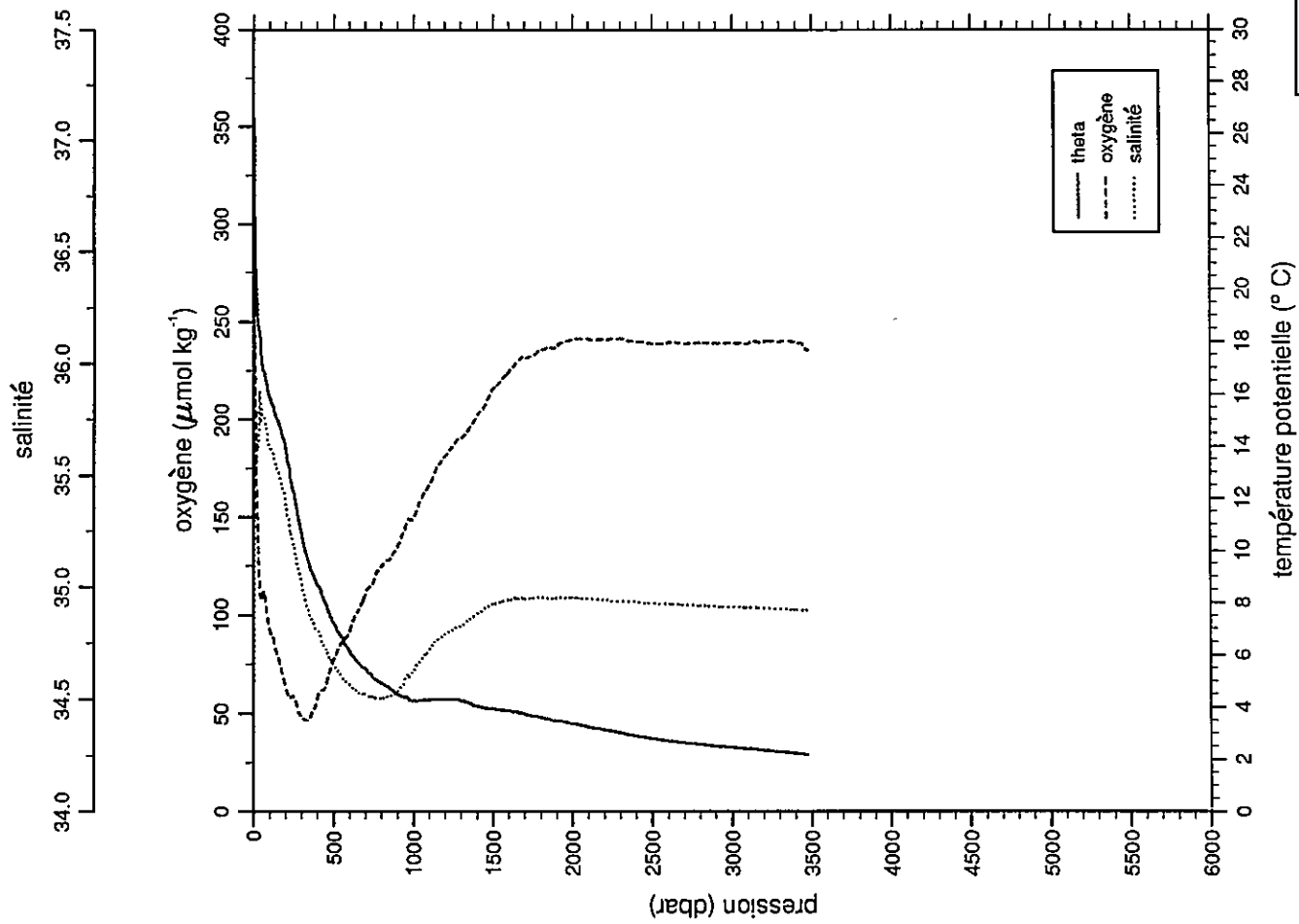
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	23.772	34.961	208.0	23.772	2850.	2.778	34.919	240.9	2.547
2.	26.591	33.570	234.2	26.591	2900.	2.763	34.918	240.6	2.527
3.	26.506	33.627	237.0	26.505	2950.	2.734	34.916	241.0	2.494
4.	26.314	33.819	227.2	26.313	3000.	2.708	34.914	240.8	2.463
5.	25.709	34.425	218.4	25.707	3050.	2.693	34.913	240.8	2.444
10.	21.971	35.687	185.6	21.969	3100.	2.672	34.912	240.9	2.418
20.	20.134	35.727	144.0	20.130	3150.	2.650	34.911	240.7	2.391
30.	18.882	35.660	122.4	18.877	3200.	2.585	34.907	238.9	2.323
40.	17.953	35.751	108.9	17.946	3250.	2.524	34.903	235.3	2.258
50.	17.549	35.829	103.6	17.540	3251.	2.524	34.903	235.1	2.257
100.	15.952	35.644	98.6	15.936					
150.	15.157	35.547	81.2	15.134					
200.	14.160	35.424	71.6	14.131					
250.	12.493	35.208	53.1	12.459					
300.	10.836	35.037	48.5	10.799					
350.	9.724	34.909	49.3	9.684					
400.	8.647	34.797	59.9	8.604					
450.	7.971	34.725	69.3	7.925					
500.	7.285	34.657	74.4	7.236					
550.	6.855	34.620	81.7	6.803					
600.	6.258	34.570	90.1	6.204					
650.	5.858	34.541	98.6	5.801					
700.	5.473	34.516	106.0	5.414					
750.	5.103	34.507	114.7	5.041					
800.	4.865	34.508	122.0	4.801					
850.	4.660	34.514	126.8	4.592					
900.	4.502	34.534	132.6	4.432					
950.	4.420	34.566	141.0	4.345					
1000.	4.398	34.630	151.5	4.319					
1050.	4.339	34.693	162.0	4.256					
1100.	4.350	34.730	169.0	4.263					
1150.	4.355	34.755	175.3	4.263					
1200.	4.338	34.775	180.1	4.242					
1250.	4.302	34.798	184.4	4.202					
1300.	4.282	34.822	190.1	4.177					
1350.	4.197	34.848	195.1	4.088					
1400.	4.112	34.877	201.4	4.000					
1450.	4.076	34.904	209.2	3.959					
1500.	4.047	34.919	215.5	3.926					
1550.	4.007	34.929	220.5	3.882					
1600.	3.951	34.935	224.0	3.822					
1650.	3.884	34.940	227.5	3.751					
1700.	3.853	34.948	231.6	3.716					
1750.	3.811	34.953	235.0	3.670					
1800.	3.769	34.956	238.3	3.624					
1850.	3.709	34.956	239.7	3.561					
1900.	3.638	34.953	239.6	3.486					
1950.	3.592	34.956	241.8	3.435					
2000.	3.548	34.954	242.7	3.388					
2050.	3.502	34.954	243.3	3.337					
2100.	3.448	34.950	242.6	3.280					
2150.	3.401	34.948	242.9	3.228					
2200.	3.345	34.948	243.8	3.168					
2250.	3.261	34.941	242.0	3.081					
2300.	3.209	34.940	240.8	3.025					
2350.	3.155	34.937	240.4	2.967					
2400.	3.103	34.934	239.8	2.911					
2450.	3.045	34.931	239.1	2.849					
2500.	2.998	34.930	239.1	2.799					
2550.	2.960	34.927	239.3	2.756					
2600.	2.921	34.926	238.9	2.712					
2650.	2.884	34.925	239.5	2.672					
2700.	2.854	34.923	240.2	2.637					
2750.	2.831	34.922	240.6	2.609					
2800.	2.800	34.920	240.5	2.575					



Station 8

Station	: 9	Campagne	: CITHER1
Date	: 04-01-93	Navire	: L'ATALANTE
Profondeur	: 3457 m	Organisme	: IFREMER
Position	: S 4 37.92		
	E 9 16.01		

PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	23.648	35.099	233.3	23.648	2850.	2.755	34.915	238.9	2.525
2.	26.449	33.775	249.4	26.448	2900.	2.734	34.913	239.0	2.499
3.	26.191	34.225	250.8	26.191	2950.	2.711	34.912	238.9	2.472
4.	26.005	34.499	244.9	26.004	3000.	2.694	34.911	239.0	2.450
5.	25.506	34.810	239.7	25.505	3050.	2.678	34.910	238.8	2.429
10.	21.554	35.583	215.0	21.552	3100.	2.658	34.909	238.8	2.404
20.	19.649	35.667	166.6	19.645	3150.	2.633	34.908	239.9	2.374
30.	18.427	35.660	132.3	18.422	3200.	2.598	34.905	239.5	2.335
40.	18.166	35.832	112.7	18.159	3250.	2.580	34.904	239.9	2.312
50.	17.245	35.795	107.8	17.237	3300.	2.549	34.903	239.5	2.277
100.	15.862	35.631	93.1	15.846	3350.	2.540	34.902	240.0	2.263
150.	15.008	35.527	79.1	14.985	3400.	2.516	34.901	239.3	2.234
200.	13.908	35.378	63.7	13.879	3450.	2.484	34.898	237.6	2.198
250.	12.224	35.187	58.7	12.191	3477.	2.438	34.895	235.4	2.149
300.	10.680	35.021	48.7	10.643					
350.	9.479	34.881	47.1	9.440					
400.	8.693	34.800	57.8	8.650					
450.	7.998	34.727	63.5	7.952					
500.	7.249	34.654	77.0	7.200					
550.	6.710	34.606	85.5	6.658					
600.	6.183	34.564	91.3	6.129					
650.	5.783	34.535	101.5	5.727					
700.	5.516	34.524	110.8	5.457					
750.	5.206	34.511	116.9	5.143					
800.	4.975	34.506	124.7	4.910					
850.	4.821	34.513	128.2	4.752					
900.	4.563	34.535	135.0	4.492					
950.	4.454	34.592	144.7	4.379					
1000.	4.319	34.620	149.6	4.240					
1050.	4.333	34.676	159.4	4.250					
1100.	4.356	34.715	166.2	4.269					
1150.	4.382	34.762	175.5	4.290					
1200.	4.386	34.786	181.2	4.289					
1250.	4.399	34.809	186.6	4.297					
1300.	4.339	34.822	190.8	4.233					
1350.	4.278	34.851	195.4	4.169					
1400.	4.156	34.882	202.0	4.044					
1450.	4.089	34.904	207.5	3.973					
1500.	4.063	34.920	215.6	3.942					
1550.	4.026	34.933	220.0	3.901					
1600.	4.000	34.942	224.6	3.871					
1650.	3.952	34.949	229.5	3.819					
1700.	3.868	34.947	231.9	3.731					
1750.	3.810	34.950	232.7	3.669					
1800.	3.755	34.952	235.3	3.610					
1850.	3.690	34.950	236.8	3.541					
1900.	3.631	34.952	237.2	3.478					
1950.	3.583	34.952	239.8	3.427					
2000.	3.524	34.951	240.8	3.364					
2050.	3.471	34.949	241.2	3.306					
2100.	3.398	34.946	241.0	3.230					
2150.	3.349	34.945	240.5	3.177					
2200.	3.302	34.942	240.5	3.126					
2250.	3.250	34.936	241.2	3.070					
2300.	3.204	34.937	241.3	3.020					
2350.	3.134	34.934	240.0	2.947					
2400.	3.089	34.932	239.6	2.897					
2450.	3.045	34.930	239.4	2.849					
2500.	2.999	34.928	238.7	2.799					
2550.	2.945	34.925	238.6	2.741					
2600.	2.913	34.924	239.1	2.705					
2650.	2.881	34.923	239.1	2.669					
2700.	2.843	34.920	238.6	2.626					
2750.	2.812	34.918	239.0	2.591					
2800.	2.794	34.917	239.0	2.569					



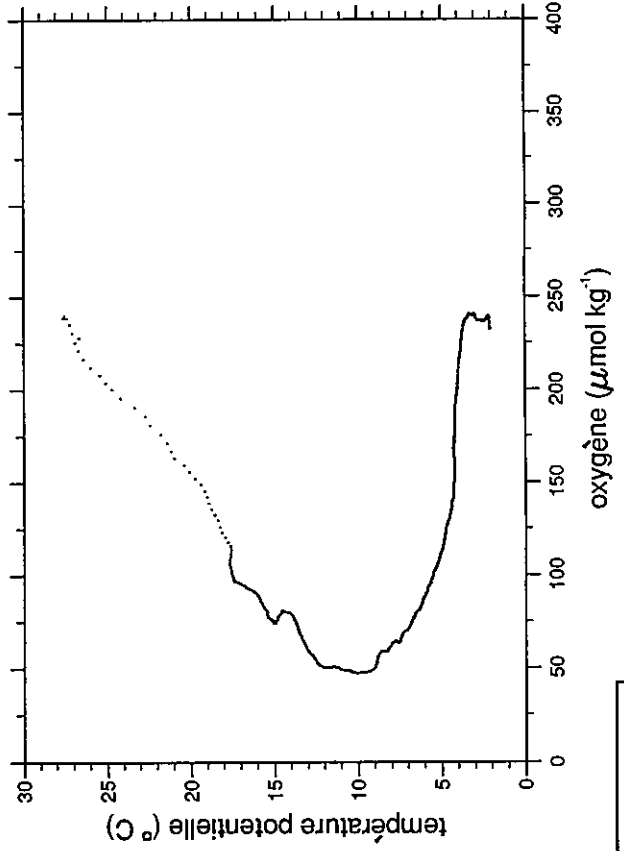
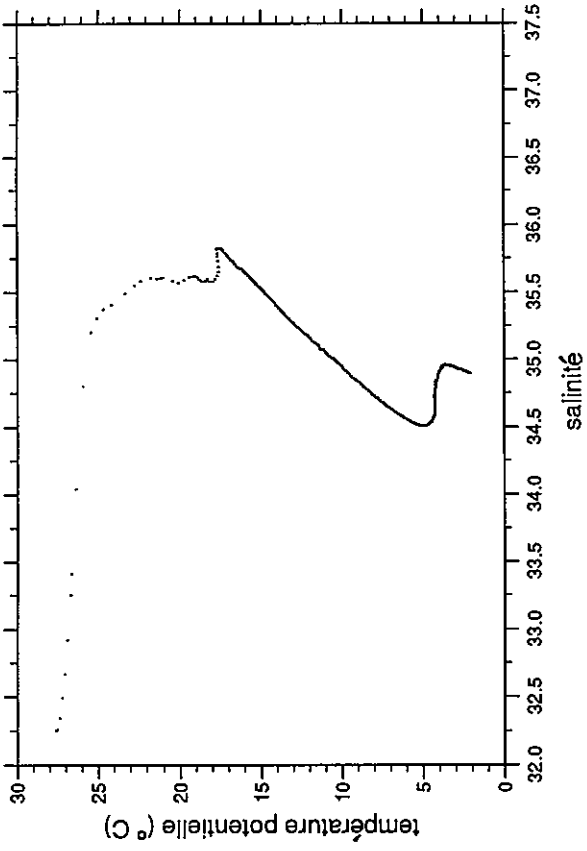
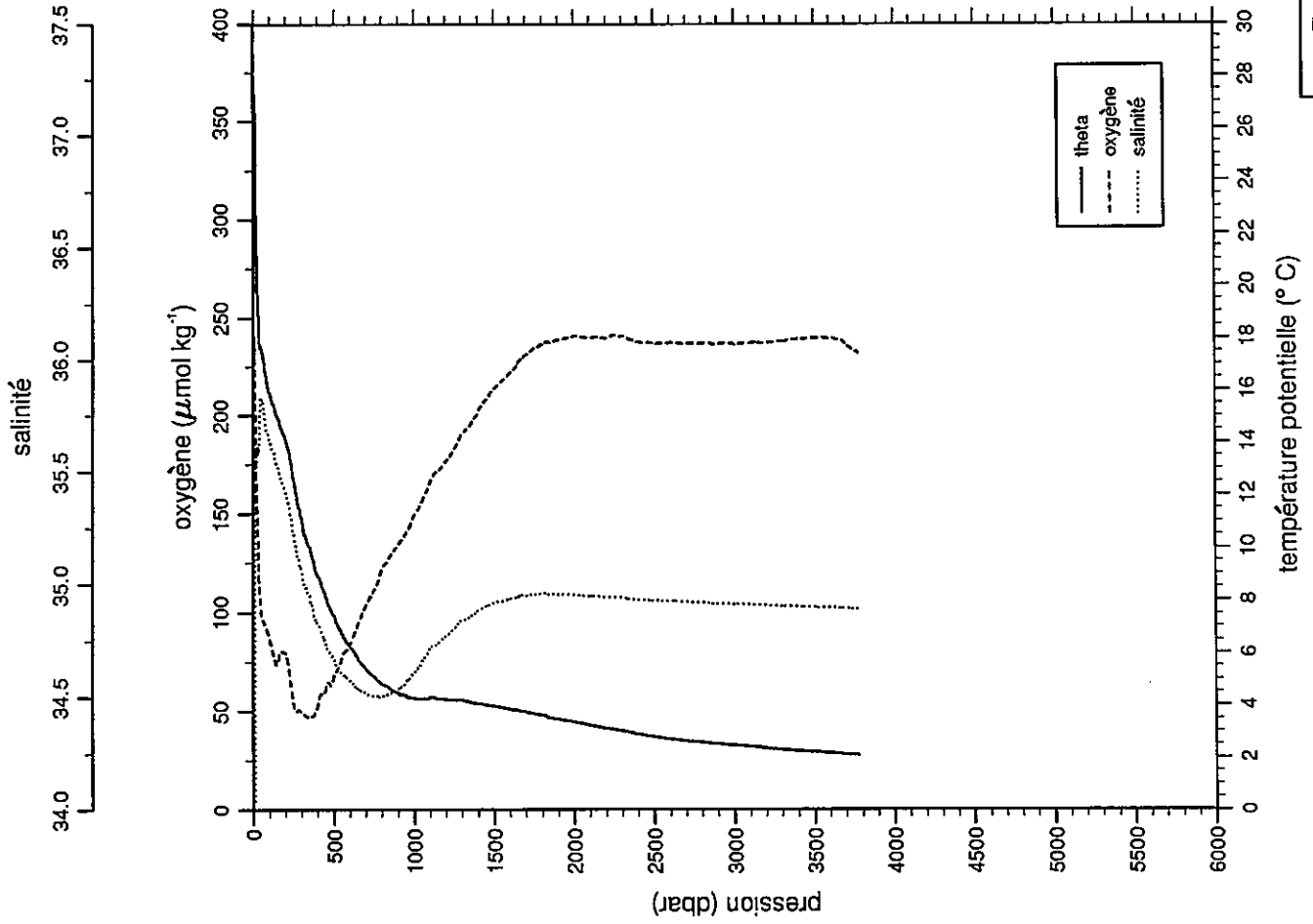
Station 9

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| Station   : 10           Campagne  : CITHER1
| Date      : 04-01-93    Navire    : L'ATALANTE
| Profondeur: 3752 m      Organisme : IPREMER
| Position  : S   4 35.98
|            E   8 46.64
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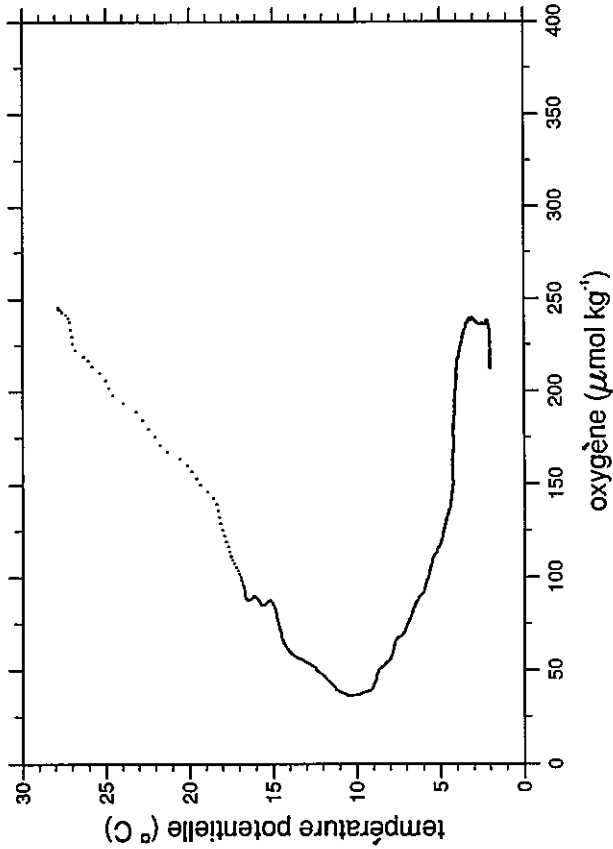
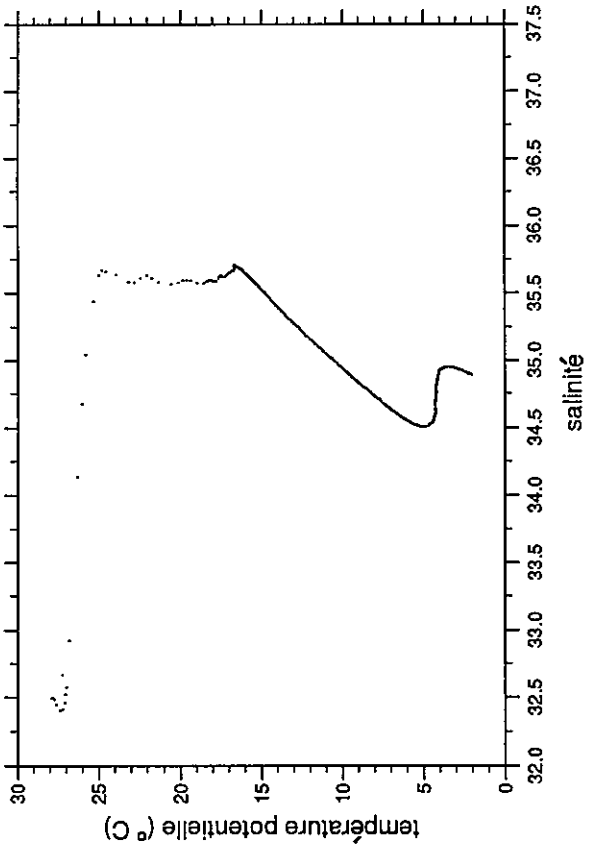
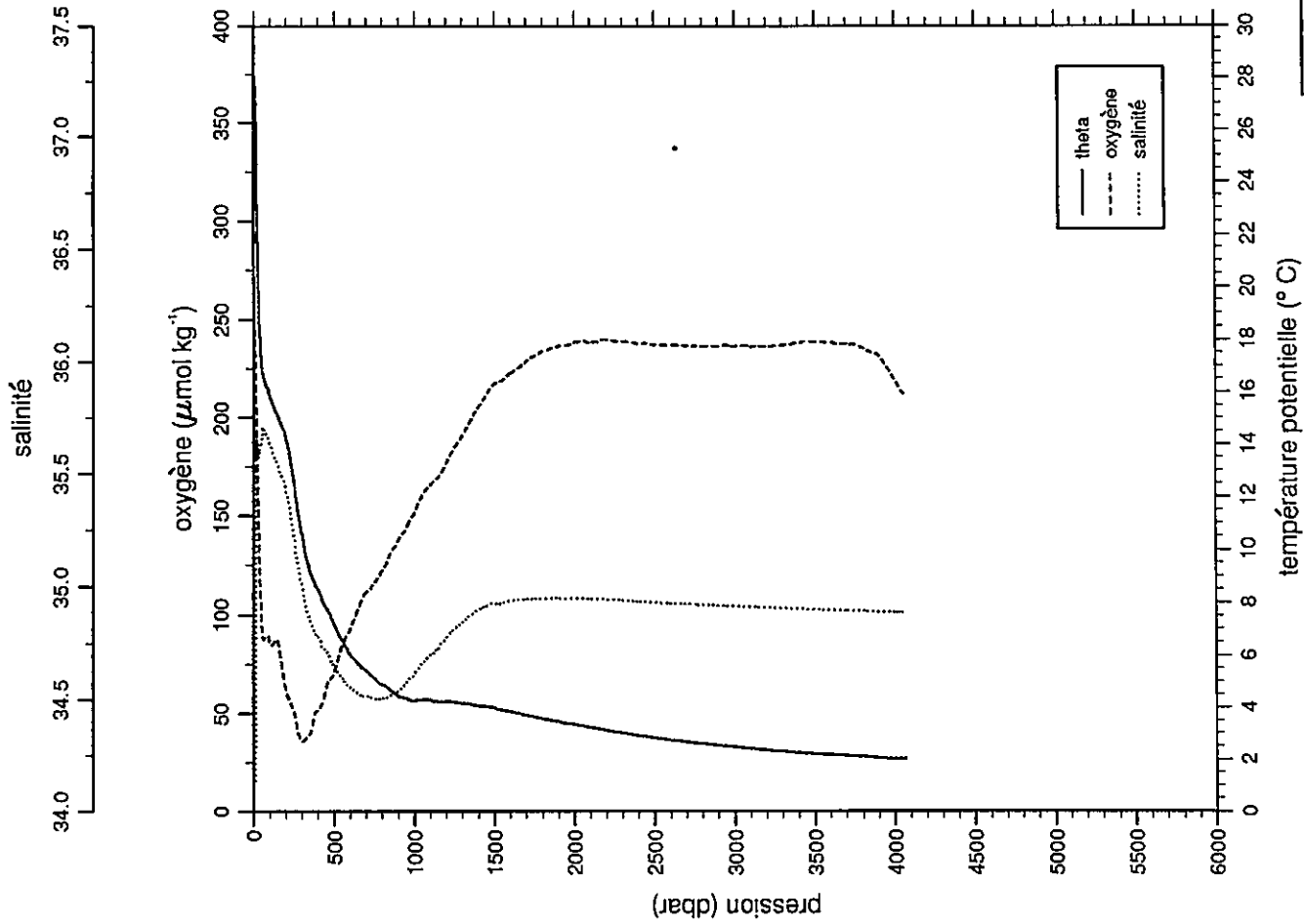
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dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.662	33.412	227.9	26.662	2850.	2.747	34.915	236.8	2.517
2.	27.618	32.250	238.9	27.617	2900.	2.725	34.915	236.6	2.490
3.	27.535	32.257	240.3	27.535	2950.	2.702	34.913	237.0	2.463
4.	27.358	32.342	238.8	27.357	3000.	2.684	34.912	236.5	2.441
5.	27.197	32.493	235.4	27.196	3050.	2.670	34.912	237.0	2.421
10.	25.983	34.803	212.1	25.981	3100.	2.650	34.910	236.9	2.396
20.	21.181	35.603	166.9	21.177	3150.	2.623	34.909	237.2	2.365
30.	18.595	35.577	132.4	18.589	3200.	2.593	34.907	237.1	2.330
40.	17.667	35.764	109.4	17.660	3250.	2.563	34.905	237.7	2.296
50.	17.478	35.824	98.5	17.470	3300.	2.544	34.904	237.9	2.272
100.	15.884	35.640	86.6	15.869	3350.	2.524	34.902	238.5	2.247
150.	14.968	35.522	74.2	14.945	3400.	2.510	34.901	239.0	2.228
200.	14.090	35.404	79.3	14.061	3450.	2.495	34.900	239.2	2.208
250.	12.562	35.221	53.9	12.528	3500.	2.478	34.899	239.6	2.186
300.	11.092	35.065	49.2	11.055	3550.	2.468	34.898	239.7	2.171
350.	10.024	34.949	47.0	9.983	3600.	2.458	34.897	239.4	2.156
400.	8.923	34.826	53.0	8.880	3650.	2.446	34.896	238.9	2.138
450.	8.145	34.737	61.1	8.098	3700.	2.417	34.893	236.4	2.105
500.	7.435	34.673	67.3	7.385	3750.	2.407	34.892	233.2	2.089
550.	6.746	34.609	76.8	6.695	3774.	2.393	34.891	232.0	2.074
600.	6.270	34.574	83.9	6.216					
650.	5.838	34.542	94.0	5.781					
700.	5.415	34.516	103.5	5.356					
750.	5.137	34.507	111.0	5.075					
800.	4.858	34.506	122.2	4.793					
850.	4.703	34.519	128.3	4.635					
900.	4.528	34.536	134.4	4.457					
950.	4.442	34.564	140.1	4.367					
1000.	4.339	34.609	148.9	4.260					
1050.	4.321	34.659	156.1	4.239					
1100.	4.365	34.719	165.8	4.278					
1150.	4.325	34.741	171.4	4.233					
1200.	4.305	34.775	176.6	4.209					
1250.	4.292	34.804	182.5	4.192					
1300.	4.307	34.840	190.7	4.202					
1350.	4.208	34.859	195.0	4.100					
1400.	4.159	34.885	201.7	4.046					
1450.	4.108	34.901	208.1	3.992					
1500.	4.071	34.918	213.8	3.950					
1550.	4.008	34.925	217.8	3.883					
1600.	3.965	34.934	221.9	3.836					
1650.	3.909	34.945	227.2	3.776					
1700.	3.861	34.949	231.1	3.724					
1750.	3.802	34.955	234.5	3.662					
1800.	3.753	34.956	236.4	3.608					
1850.	3.650	34.953	237.4	3.502					
1900.	3.603	34.954	238.6	3.451					
1950.	3.553	34.953	239.6	3.397					
2000.	3.499	34.952	240.6	3.339					
2050.	3.437	34.949	240.1	3.273					
2100.	3.382	34.947	239.7	3.215					
2150.	3.334	34.945	240.1	3.163					
2200.	3.268	34.942	239.6	3.093					
2250.	3.231	34.942	241.0	3.051					
2300.	3.191	34.941	240.5	3.007					
2350.	3.133	34.937	238.9	2.946					
2400.	3.062	34.932	237.5	2.871					
2450.	3.021	34.930	237.3	2.825					
2500.	2.975	34.928	236.9	2.775					
2550.	2.934	34.926	237.0	2.730					
2600.	2.897	34.925	237.3	2.689					
2650.	2.858	34.922	236.8	2.646					
2700.	2.840	34.922	236.9	2.623					
2750.	2.810	34.920	237.0	2.588					
2800.	2.781	34.918	236.9	2.556					



Station 10

Station : 11	Campagne : CITHER1
Date : 04-01-93	Navire : L'ATALANTE
Profondeur: 4047 m	Organisme : IFREMER
Position : S 4 33.80	
E 8 10.17	

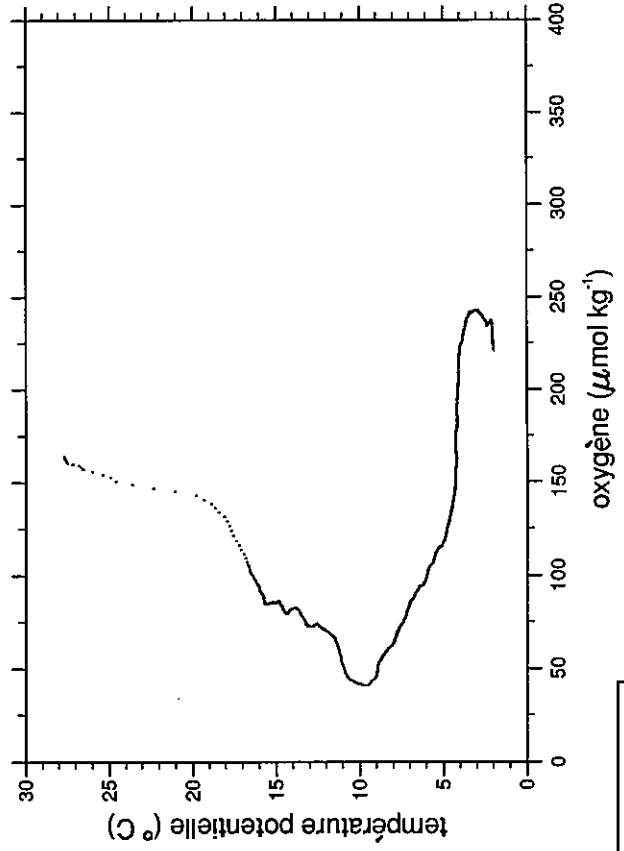
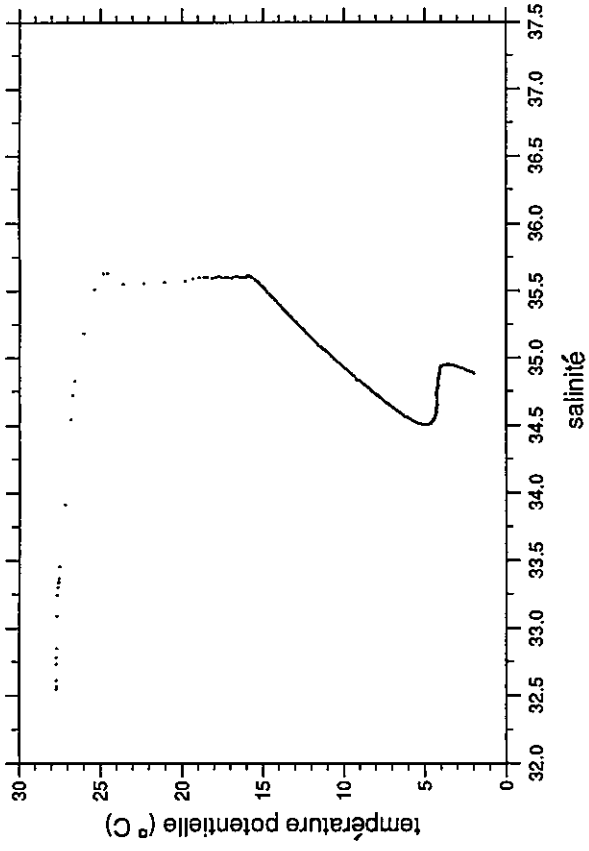
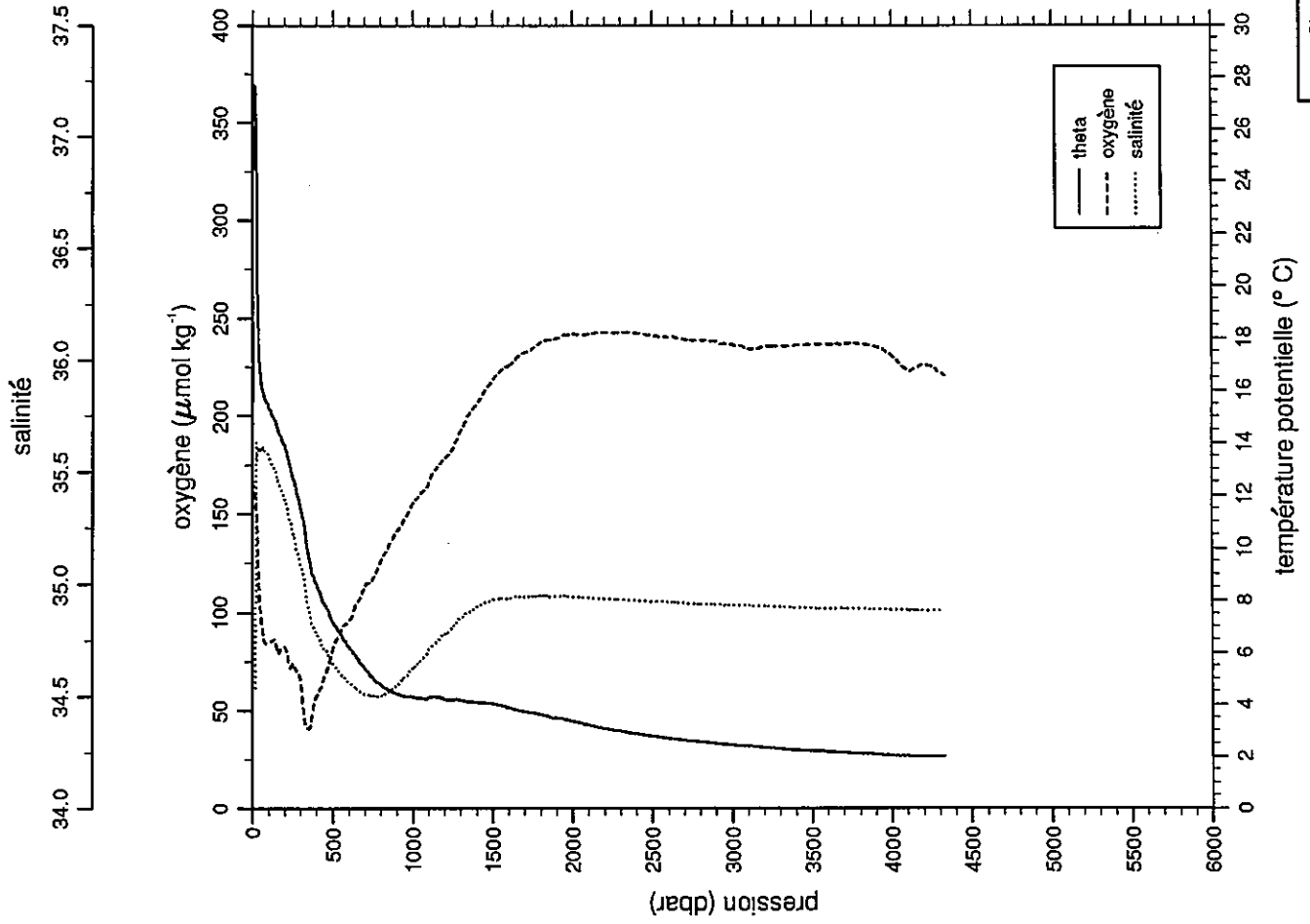
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.260	32.667	239.9	27.259	2850.	2.779	34.918	236.2	2.549
2.	27.889	32.495	244.6	27.889	2900.	2.751	34.916	236.3	2.516
3.	27.824	32.497	245.6	27.823	2950.	2.726	34.915	236.9	2.486
4.	27.733	32.482	244.5	27.732	3000.	2.699	34.914	236.3	2.455
5.	27.595	32.443	243.1	27.594	3050.	2.668	34.912	236.6	2.420
10.	26.978	32.572	226.1	26.976	3100.	2.642	34.910	236.2	2.389
20.	23.177	35.583	189.1	23.172	3150.	2.624	34.909	236.0	2.365
30.	19.336	35.593	149.9	19.331	3200.	2.600	34.908	236.6	2.337
40.	17.687	35.609	116.5	17.680	3250.	2.571	34.906	236.7	2.304
50.	16.840	35.663	97.0	16.832	3300.	2.548	34.904	236.8	2.276
100.	15.809	35.627	86.4	15.793	3350.	2.533	34.903	237.3	2.255
150.	15.084	35.536	86.6	15.061	3400.	2.513	34.902	237.7	2.231
200.	14.204	35.418	62.4	14.174	3450.	2.499	34.901	238.5	2.212
250.	12.555	35.220	51.5	12.521	3500.	2.482	34.899	238.5	2.190
300.	10.607	35.007	36.3	10.571	3550.	2.469	34.898	238.5	2.172
350.	9.182	34.848	39.3	9.144	3600.	2.459	34.897	238.1	2.157
400.	8.503	34.783	51.6	8.461	3650.	2.449	34.896	237.4	2.142
450.	7.838	34.716	62.6	7.793	3700.	2.440	34.895	237.4	2.128
500.	7.184	34.646	70.9	7.136	3750.	2.421	34.894	237.3	2.103
550.	6.599	34.596	84.5	6.548	3800.	2.412	34.893	235.2	2.089
600.	6.052	34.552	92.6	5.999	3850.	2.395	34.891	233.4	2.067
650.	5.692	34.528	103.4	5.636	3900.	2.377	34.889	231.6	2.044
700.	5.461	34.514	111.5	5.401	3950.	2.361	34.887	225.7	2.023
750.	5.190	34.505	116.0	5.128	4000.	2.355	34.887	219.0	2.011
800.	4.917	34.507	122.6	4.852	4050.	2.358	34.887	212.8	2.008
850.	4.731	34.520	130.9	4.663	4066.	2.359	34.887	212.0	2.007
900.	4.505	34.541	137.6	4.434					
950.	4.417	34.572	144.0	4.343					
1000.	4.318	34.614	151.0	4.240					
1050.	4.376	34.668	160.2	4.292					
1100.	4.370	34.697	165.7	4.283					
1150.	4.295	34.726	169.4	4.204					
1200.	4.319	34.778	176.8	4.223					
1250.	4.300	34.815	184.6	4.199					
1300.	4.249	34.843	190.8	4.144					
1350.	4.224	34.873	198.4	4.115					
1400.	4.159	34.899	205.6	4.046					
1450.	4.143	34.916	212.0	4.026					
1500.	4.111	34.928	217.2	3.989					
1550.	4.004	34.929	219.0	3.879					
1600.	3.964	34.937	222.7	3.835					
1650.	3.896	34.941	225.3	3.763					
1700.	3.821	34.944	228.8	3.685					
1750.	3.758	34.946	231.3	3.618					
1800.	3.697	34.948	233.9	3.553					
1850.	3.641	34.948	235.3	3.493					
1900.	3.596	34.950	236.4	3.444					
1950.	3.524	34.948	237.0	3.368					
2000.	3.493	34.949	238.4	3.333					
2050.	3.439	34.948	239.0	3.275					
2100.	3.383	34.946	238.2	3.215					
2150.	3.328	34.944	239.0	3.156					
2200.	3.277	34.943	239.8	3.101					
2250.	3.221	34.941	239.0	3.042					
2300.	3.183	34.940	238.9	2.999					
2350.	3.137	34.937	238.2	2.950					
2400.	3.084	34.934	237.6	2.892					
2450.	3.051	34.933	237.8	2.856					
2500.	3.014	34.931	237.2	2.814					
2550.	2.970	34.928	237.1	2.766					
2600.	2.930	34.927	237.1	2.721					
2650.	2.901	34.925	236.7	2.688					
2700.	2.869	34.923	236.4	2.652					
2750.	2.834	34.921	236.4	2.613					
2800.	2.808	34.919	236.2	2.582					



Station 11

Station : 12 Campagne : CITHER1
 Date : 05-01-93 Navire : L'ATALANTE
 Profondeur: 4308 m Organisme : IFREMER
 Position : S 4 31.96
 E 7 30.03

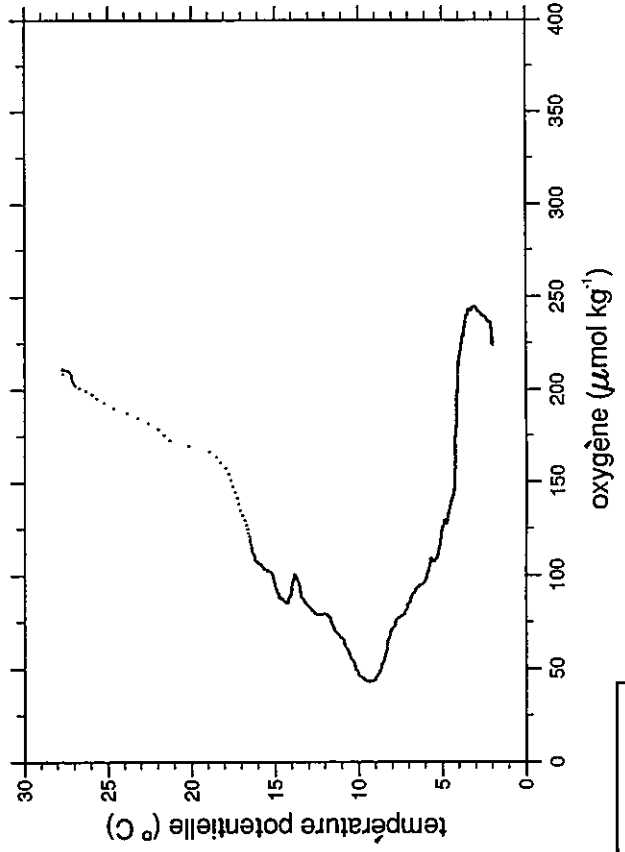
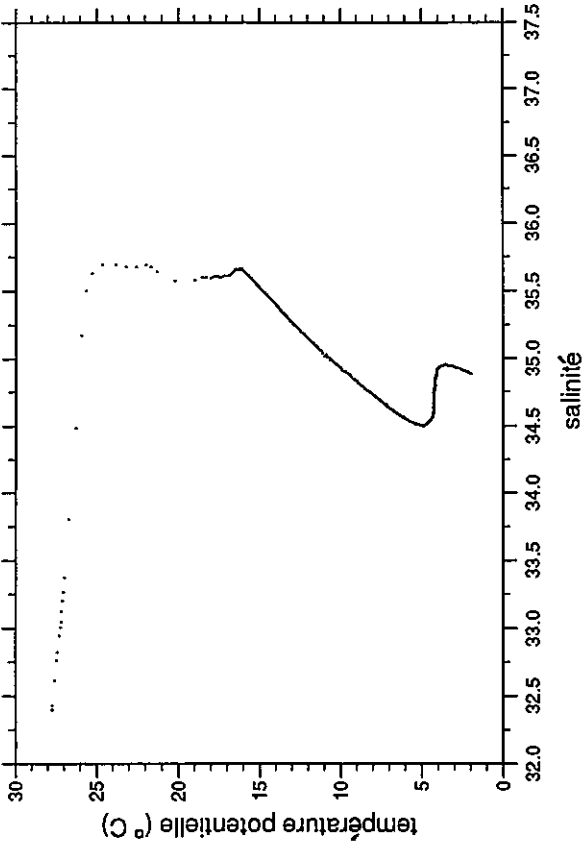
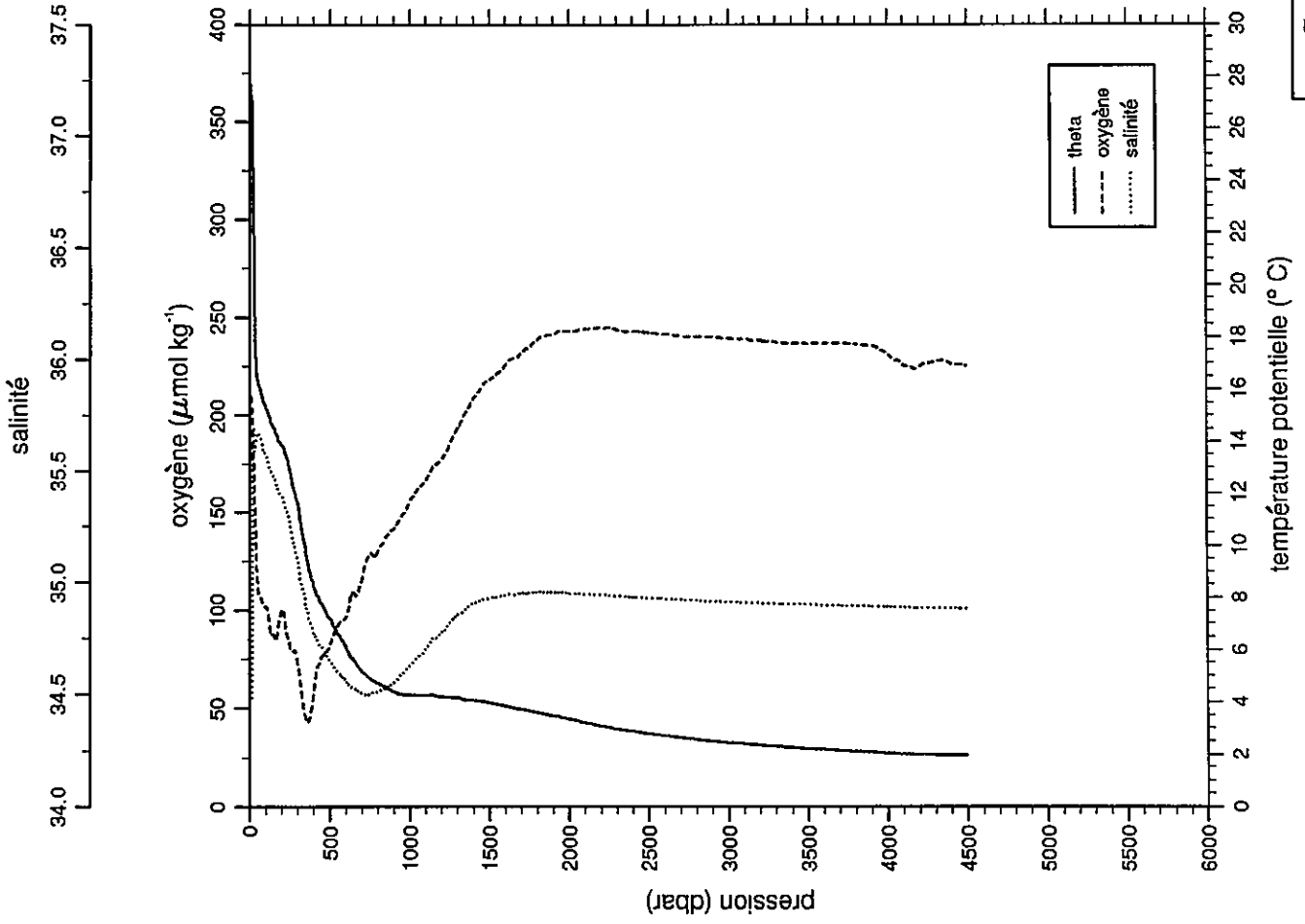
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.673	32.780	164.2	27.672	2850.	2.746	34.913	238.3	2.516
2.	27.685	32.544	163.3	27.685	2900.	2.720	34.911	238.1	2.485
3.	27.686	32.544	163.8	27.685	2950.	2.692	34.910	236.9	2.453
4.	27.686	32.544	164.1	27.685	3000.	2.668	34.909	236.5	2.425
5.	27.689	32.553	164.1	27.688	3050.	2.649	34.907	236.1	2.400
10.	27.651	33.088	163.3	27.649	3100.	2.634	34.907	234.4	2.381
20.	26.557	34.823	157.0	26.553	3150.	2.618	34.905	234.1	2.360
30.	18.898	35.597	138.4	18.893	3200.	2.595	34.904	235.5	2.333
40.	17.105	35.601	113.6	17.098	3250.	2.573	34.902	235.6	2.305
50.	16.417	35.602	99.7	16.409	3300.	2.545	34.901	235.6	2.273
100.	15.329	35.567	85.3	15.313	3350.	2.522	34.899	235.8	2.245
150.	14.625	35.478	82.6	14.602	3400.	2.509	34.898	236.1	2.227
200.	13.846	35.376	82.8	13.817	3450.	2.497	34.897	236.3	2.210
250.	12.644	35.223	73.9	12.610	3500.	2.486	34.896	236.5	2.194
300.	11.449	35.082	64.8	11.411	3550.	2.478	34.895	236.5	2.181
350.	9.687	34.894	40.8	9.647	3600.	2.465	34.894	236.7	2.162
400.	8.578	34.782	57.7	8.535	3650.	2.452	34.896	236.8	2.145
450.	7.863	34.714	67.7	7.817	3700.	2.443	34.895	236.8	2.130
500.	7.204	34.650	81.2	7.156	3750.	2.437	34.895	237.5	2.119
550.	6.746	34.605	90.2	6.695	3800.	2.424	34.893	236.9	2.101
600.	6.247	34.564	95.3	6.193	3850.	2.413	34.893	236.3	2.084
650.	5.856	34.538	104.9	5.799	3900.	2.404	34.891	235.5	2.070
700.	5.453	34.510	112.9	5.394	3950.	2.387	34.890	233.7	2.048
750.	5.097	34.503	117.2	5.036	4000.	2.371	34.889	230.8	2.026
800.	4.815	34.505	126.0	4.751	4050.	2.359	34.887	226.6	2.009
850.	4.623	34.524	134.1	4.555	4100.	2.357	34.886	223.3	2.001
900.	4.483	34.548	140.8	4.412	4150.	2.354	34.886	224.6	1.992
950.	4.383	34.590	147.9	4.309	4200.	2.350	34.886	226.3	1.983
1000.	4.360	34.624	155.2	4.282	4250.	2.351	34.885	225.4	1.978
1050.	4.318	34.660	160.5	4.235	4300.	2.356	34.885	222.0	1.977
1100.	4.332	34.711	165.5	4.245	4328.	2.359	34.885	220.9	1.977
1150.	4.373	34.746	173.5	4.281					
1200.	4.294	34.780	178.3	4.198					
1250.	4.276	34.811	183.2	4.176					
1300.	4.264	34.854	192.7	4.160					
1350.	4.212	34.876	200.6	4.103					
1400.	4.193	34.900	206.2	4.080					
1450.	4.168	34.919	212.9	4.050					
1500.	4.155	34.933	218.4	4.033					
1550.	4.111	34.940	223.0	3.985					
1600.	3.997	34.939	225.7	3.868					
1650.	3.913	34.944	229.8	3.780					
1700.	3.847	34.946	232.6	3.710					
1750.	3.806	34.950	234.7	3.665					
1800.	3.743	34.951	237.6	3.598					
1850.	3.672	34.948	238.9	3.523					
1900.	3.612	34.948	239.8	3.460					
1950.	3.574	34.949	241.5	3.418					
2000.	3.510	34.946	242.0	3.349					
2050.	3.436	34.943	241.5	3.272					
2100.	3.364	34.941	242.1	3.197					
2150.	3.292	34.937	242.3	3.120					
2200.	3.240	34.937	242.6	3.065					
2250.	3.184	34.935	242.3	3.005					
2300.	3.146	34.933	242.4	2.963					
2350.	3.098	34.932	242.7	2.911					
2400.	3.058	34.929	242.2	2.867					
2450.	3.014	34.928	241.7	2.818					
2500.	2.978	34.926	241.1	2.778					
2550.	2.932	34.924	240.5	2.728					
2600.	2.899	34.922	240.4	2.691					
2650.	2.870	34.920	240.0	2.657					
2700.	2.833	34.918	239.2	2.617					
2750.	2.791	34.916	238.7	2.571					
2800.	2.775	34.915	238.4	2.550					



Station 12

Station : 13 Campagne : CITHER1
 Date : 05-01-93 Navire : L'ATALANTE
 Profondeur: 4475 m Organisme : IFREMER
 Position : S 4 29.91
 E 6 50.01

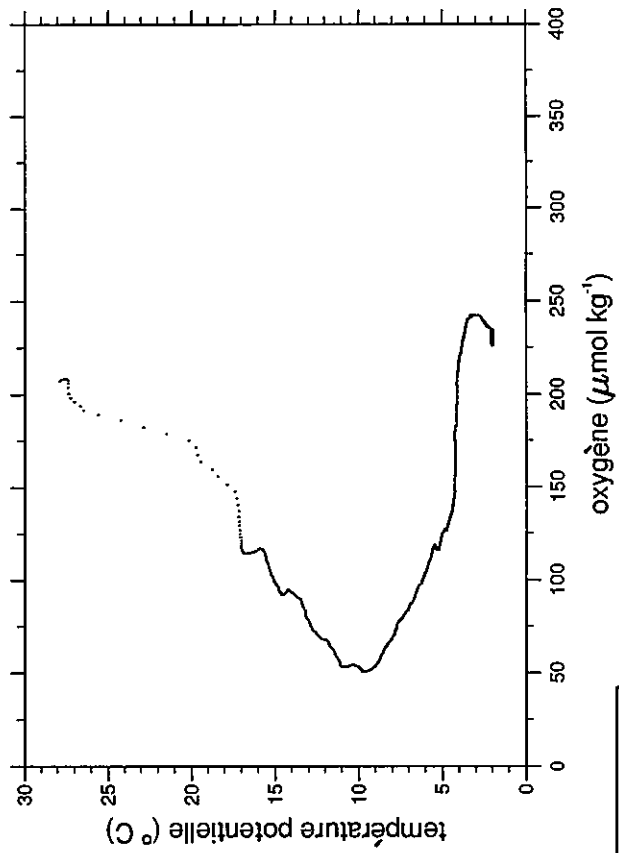
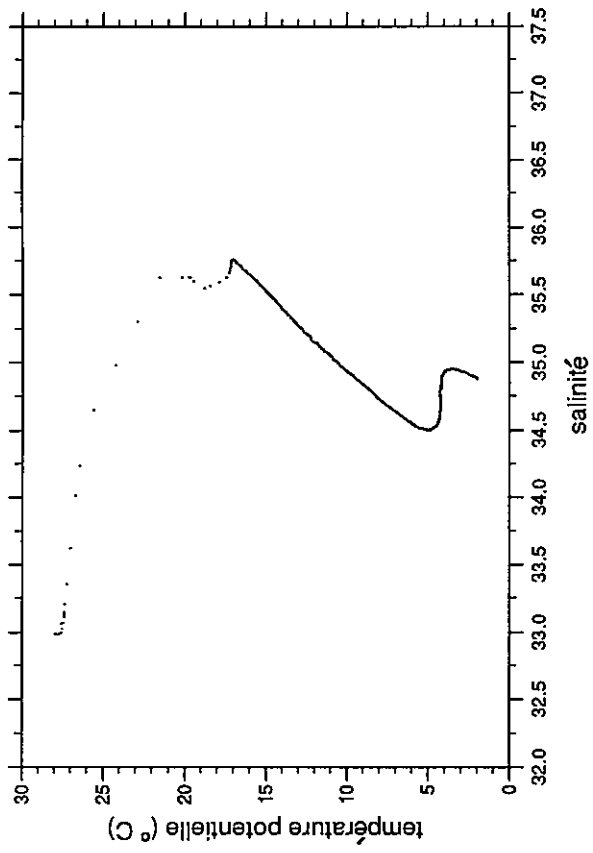
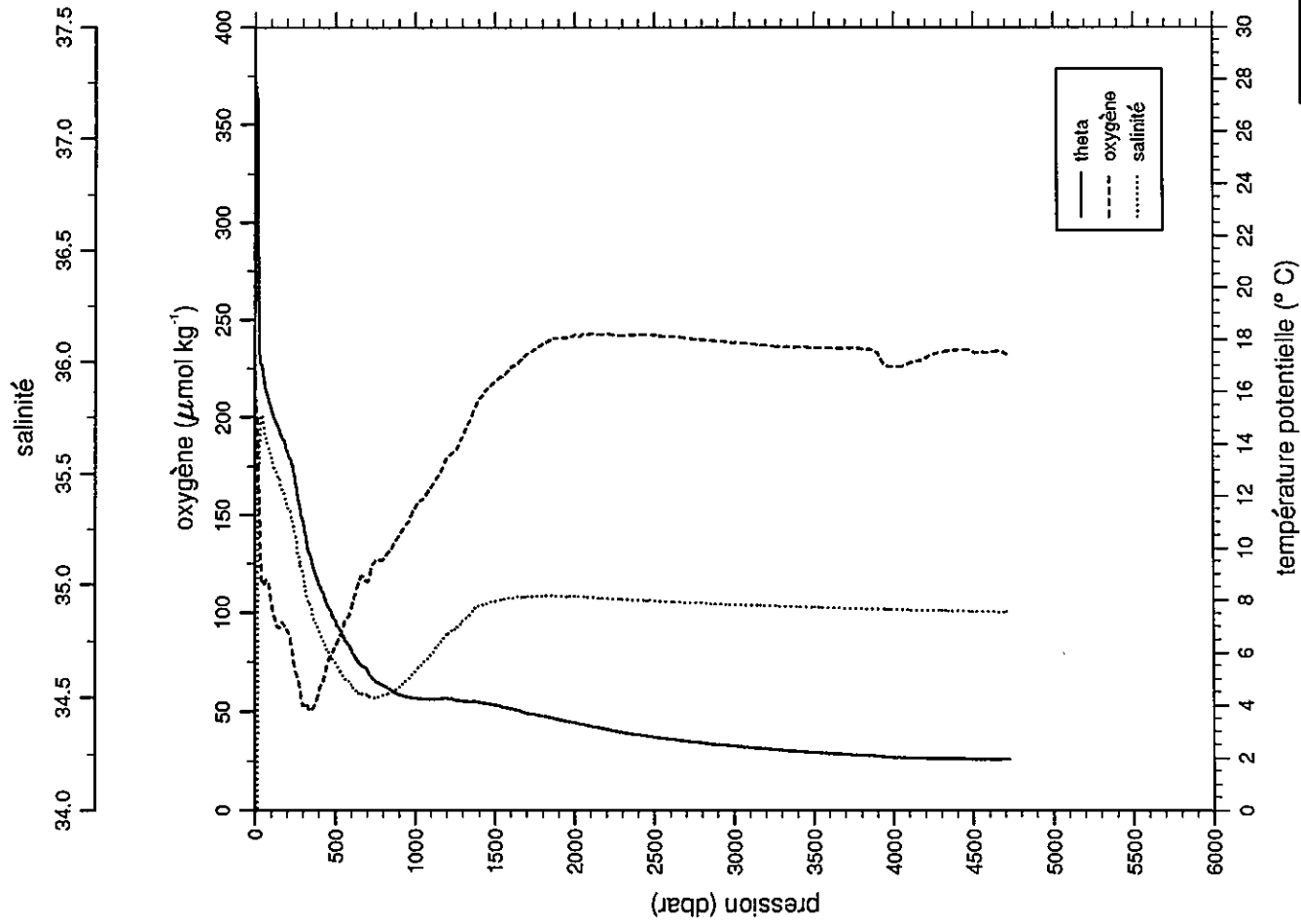
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.435	32.760	210.5	27.435	2850.	2.746	34.916	240.0	2.516
2.	27.719	32.392	208.7	27.719	2900.	2.721	34.915	239.6	2.486
3.	27.720	32.391	210.5	27.720	2950.	2.695	34.913	239.3	2.456
4.	27.721	32.396	211.3	27.720	3000.	2.676	34.911	239.1	2.433
5.	27.709	32.424	211.2	27.707	3050.	2.653	34.910	238.9	2.405
10.	27.188	33.049	206.9	27.186	3100.	2.634	34.909	238.6	2.381
20.	24.653	35.694	190.2	24.649	3150.	2.609	34.907	238.0	2.352
30.	18.262	35.599	160.8	18.257	3200.	2.591	34.906	238.1	2.329
40.	16.807	35.615	129.4	16.801	3250.	2.574	34.905	237.5	2.307
50.	16.354	35.655	112.8	16.346	3300.	2.564	34.904	237.2	2.292
100.	15.309	35.567	101.8	15.293	3350.	2.543	34.903	236.7	2.266
150.	14.544	35.467	87.4	14.521	3400.	2.531	34.902	236.4	2.249
200.	13.875	35.383	100.0	13.846	3450.	2.515	34.901	236.6	2.228
250.	12.900	35.252	82.1	12.866	3500.	2.501	34.900	236.4	2.209
300.	11.594	35.099	73.4	11.555	3550.	2.491	34.899	236.6	2.193
350.	9.738	34.902	44.8	9.697	3600.	2.479	34.898	236.5	2.176
400.	8.434	34.767	57.8	8.392	3650.	2.467	34.897	236.6	2.159
450.	7.807	34.710	76.0	7.761	3700.	2.454	34.896	236.5	2.141
500.	7.203	34.650	81.6	7.154	3750.	2.445	34.895	236.5	2.126
550.	6.649	34.601	91.9	6.598	3800.	2.434	34.894	236.1	2.110
600.	6.170	34.565	95.8	6.116	3850.	2.426	34.894	235.7	2.097
650.	5.666	34.529	108.5	5.610	3900.	2.415	34.892	235.4	2.081
700.	5.213	34.505	115.4	5.156	3950.	2.400	34.891	233.7	2.060
750.	4.939	34.497	128.7	4.878	4000.	2.386	34.890	231.3	2.041
800.	4.760	34.511	130.2	4.696	4050.	2.378	34.888	228.0	2.027
850.	4.617	34.526	137.3	4.550	4100.	2.364	34.887	225.4	2.008
900.	4.461	34.552	141.4	4.391	4150.	2.361	34.886	224.4	1.999
950.	4.358	34.590	147.9	4.284	4200.	2.358	34.886	224.7	1.991
1000.	4.340	34.627	155.8	4.262	4250.	2.355	34.885	226.3	1.982
1050.	4.330	34.663	162.0	4.248	4300.	2.355	34.884	227.2	1.976
1100.	4.335	34.699	166.5	4.248	4350.	2.357	34.884	227.8	1.972
1150.	4.351	34.744	173.9	4.259	4400.	2.362	34.884	226.1	1.971
1200.	4.303	34.776	177.1	4.207	4450.	2.364	34.884	225.6	1.967
1250.	4.268	34.817	184.9	4.167	4493.	2.364	34.882	225.1	1.962
1300.	4.270	34.853	193.2	4.165					
1350.	4.170	34.877	201.4	4.062					
1400.	4.175	34.906	208.8	4.062					
1450.	4.132	34.918	214.3	4.015					
1500.	4.089	34.927	218.2	3.968					
1550.	4.023	34.931	221.3	3.898					
1600.	3.968	34.941	225.5	3.839					
1650.	3.897	34.942	228.8	3.765					
1700.	3.844	34.947	231.6	3.708					
1750.	3.784	34.952	234.6	3.644					
1800.	3.727	34.955	238.3	3.582					
1850.	3.674	34.954	240.3	3.526					
1900.	3.617	34.953	241.0	3.464					
1950.	3.560	34.951	242.9	3.404					
2000.	3.504	34.949	242.6	3.344					
2050.	3.433	34.947	243.1	3.269					
2100.	3.366	34.946	243.9	3.198					
2150.	3.306	34.943	244.3	3.135					
2200.	3.240	34.942	244.5	3.065					
2250.	3.197	34.941	244.7	3.018					
2300.	3.141	34.935	243.5	2.958					
2350.	3.100	34.933	242.5	2.913					
2400.	3.068	34.933	242.5	2.877					
2450.	3.025	34.931	242.4	2.829					
2500.	2.971	34.927	242.0	2.771					
2550.	2.941	34.927	241.5	2.737					
2600.	2.909	34.925	241.2	2.701					
2650.	2.879	34.923	240.8	2.666					
2700.	2.841	34.922	240.2	2.624					
2750.	2.810	34.920	239.7	2.588					
2800.	2.777	34.918	239.7	2.551					



Station 13

Station : 14	Campagne : CITHER1
Date : 05-01-93	Navire : L'ATALANTE
Profondeur: 4708 m	Organisme : IFREMER
Position : S 4 29.98	
E 6 10.06	

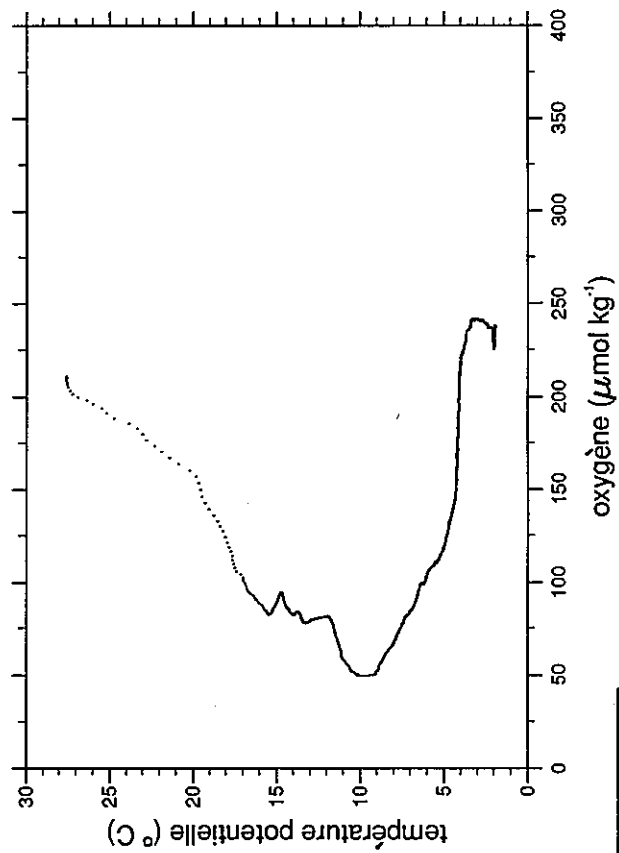
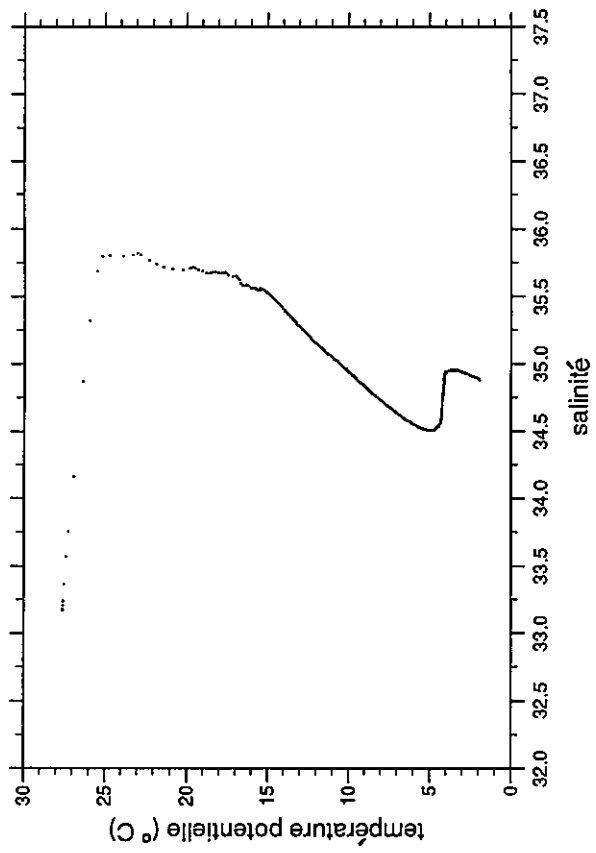
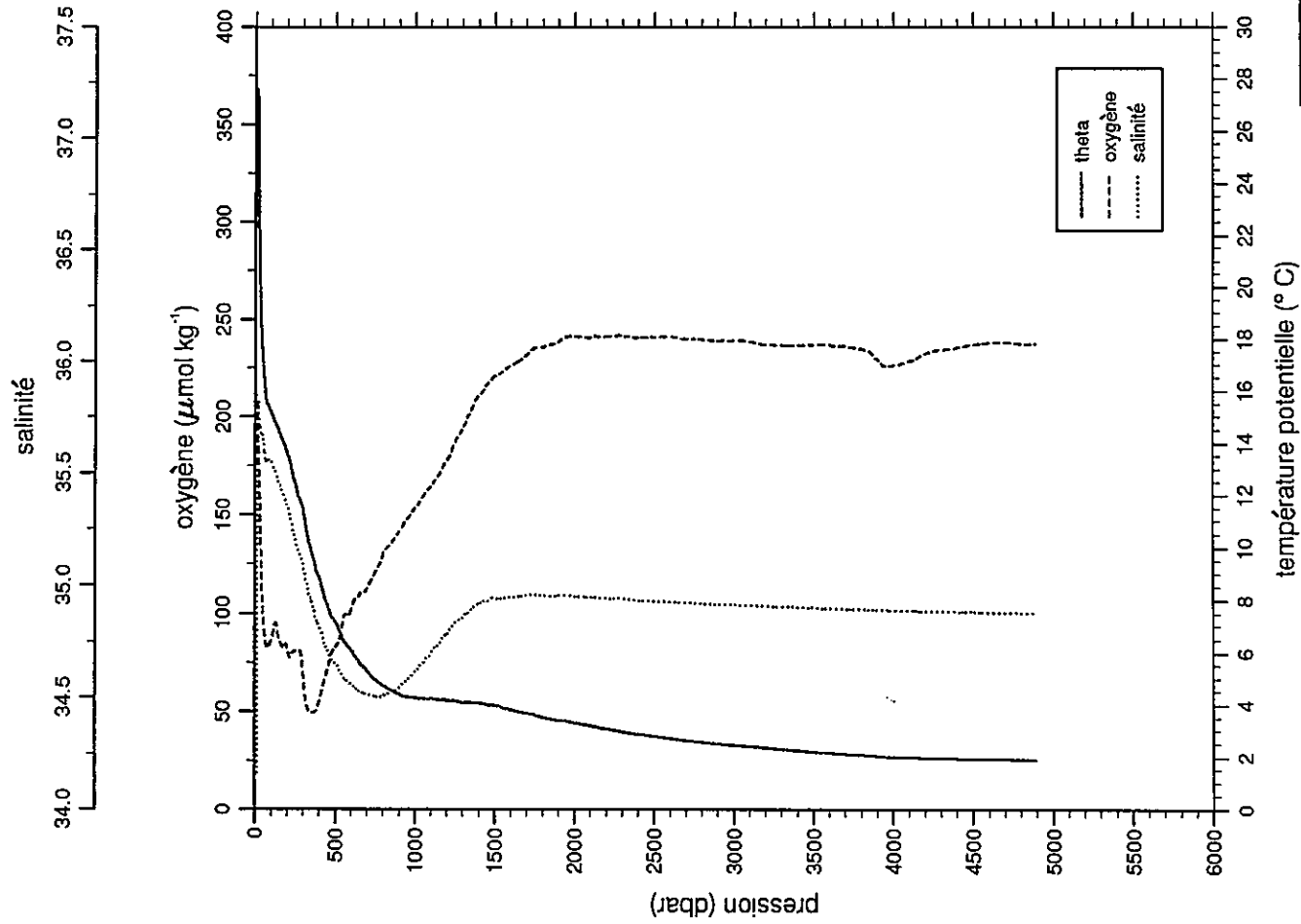
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.574	33.057	208.7	27.574	2850.	2.753	34.915	239.2	2.523
2.	27.926	32.986	207.4	27.925	2900.	2.724	34.914	239.0	2.490
3.	27.880	32.984	207.4	27.880	2950.	2.705	34.912	238.7	2.465
4.	27.783	32.985	208.3	27.782	3000.	2.685	34.911	237.9	2.441
5.	27.649	32.990	208.7	27.648	3050.	2.662	34.910	238.0	2.413
10.	27.406	33.129	206.3	27.404	3100.	2.634	34.907	237.7	2.381
20.	21.528	35.629	178.9	21.524	3150.	2.617	34.907	237.2	2.359
30.	17.237	35.675	140.5	17.232	3200.	2.603	34.906	236.9	2.340
40.	17.032	35.760	118.1	17.025	3250.	2.578	34.904	236.5	2.310
50.	16.707	35.723	114.2	16.699	3300.	2.556	34.903	236.3	2.284
100.	15.341	35.570	105.5	15.325	3350.	2.540	34.902	236.1	2.263
150.	14.559	35.472	92.1	14.537	3400.	2.522	34.901	236.1	2.240
200.	13.698	35.356	90.9	13.669	3450.	2.508	34.900	236.3	2.221
250.	12.563	35.215	71.5	12.529	3500.	2.497	34.899	235.5	2.205
300.	11.031	35.049	53.1	10.994	3550.	2.484	34.898	235.6	2.186
350.	9.639	34.903	50.6	9.599	3600.	2.470	34.897	235.7	2.167
400.	8.611	34.788	60.4	8.568	3650.	2.460	34.896	235.4	2.152
450.	7.826	34.707	73.2	7.780	3700.	2.445	34.895	235.5	2.132
500.	7.275	34.656	82.4	7.226	3750.	2.433	34.895	235.5	2.115
550.	6.644	34.597	92.6	6.593	3800.	2.423	34.893	235.1	2.100
600.	6.158	34.555	101.5	6.105	3850.	2.411	34.892	234.9	2.083
650.	5.651	34.519	115.9	5.595	3900.	2.402	34.891	233.2	2.068
700.	5.377	34.509	115.7	5.319	3950.	2.382	34.890	226.8	2.042
750.	4.996	34.496	126.0	4.935	4000.	2.369	34.889	225.8	2.024
800.	4.812	34.509	127.2	4.748	4050.	2.356	34.887	226.0	2.006
850.	4.645	34.521	132.8	4.578	4100.	2.349	34.886	227.7	1.993
900.	4.468	34.547	139.3	4.397	4150.	2.345	34.885	228.8	1.984
950.	4.387	34.576	145.5	4.313	4200.	2.344	34.885	230.3	1.977
1000.	4.343	34.613	153.3	4.265	4250.	2.342	34.884	232.2	1.969
1050.	4.309	34.648	158.2	4.227	4300.	2.343	34.884	233.4	1.964
1100.	4.313	34.688	163.8	4.226	4350.	2.345	34.883	234.2	1.960
1150.	4.319	34.733	170.5	4.227	4400.	2.347	34.882	234.6	1.957
1200.	4.355	34.777	178.8	4.258	4450.	2.351	34.882	234.7	1.954
1250.	4.290	34.798	182.9	4.190	4500.	2.350	34.881	233.7	1.947
1300.	4.269	34.841	190.4	4.164	4550.	2.353	34.880	233.5	1.944
1350.	4.232	34.870	199.1	4.123	4600.	2.356	34.879	233.3	1.941
1400.	4.227	34.902	209.0	4.114	4650.	2.359	34.879	234.0	1.938
1450.	4.171	34.916	213.9	4.053	4700.	2.364	34.878	232.7	1.937
1500.	4.121	34.925	218.2	3.999	4724.	2.367	34.879	232.0	1.937
1550.	4.048	34.933	221.2	3.922					
1600.	3.989	34.940	225.2	3.860					
1650.	3.933	34.943	228.0	3.800					
1700.	3.819	34.944	232.0	3.683					
1750.	3.773	34.948	234.6	3.632					
1800.	3.713	34.949	237.2	3.569					
1850.	3.661	34.950	239.4	3.512					
1900.	3.594	34.948	240.4	3.442					
1950.	3.522	34.946	240.5	3.366					
2000.	3.481	34.947	242.0	3.321					
2050.	3.422	34.945	242.3	3.259					
2100.	3.364	34.943	242.7	3.196					
2150.	3.303	34.939	242.5	3.132					
2200.	3.253	34.939	242.7	3.077					
2250.	3.194	34.937	242.1	3.015					
2300.	3.141	34.934	241.9	2.958					
2350.	3.095	34.932	242.1	2.908					
2400.	3.056	34.931	242.3	2.865					
2450.	3.021	34.930	242.3	2.826					
2500.	2.978	34.927	242.1	2.778					
2550.	2.939	34.925	241.6	2.736					
2600.	2.905	34.924	241.4	2.697					
2650.	2.877	34.923	241.0	2.665					
2700.	2.840	34.921	240.5	2.624					
2750.	2.814	34.919	239.9	2.592					
2800.	2.784	34.918	239.5	2.559					



Station 14

Station : 15 Campagne : CITHER1
 Date : 05-01-93 Navire : L'ATALANTE
 Profondeur: 4865 m Organisme : IFREMER
 Position : S 4 30.01
 E 5 30.00

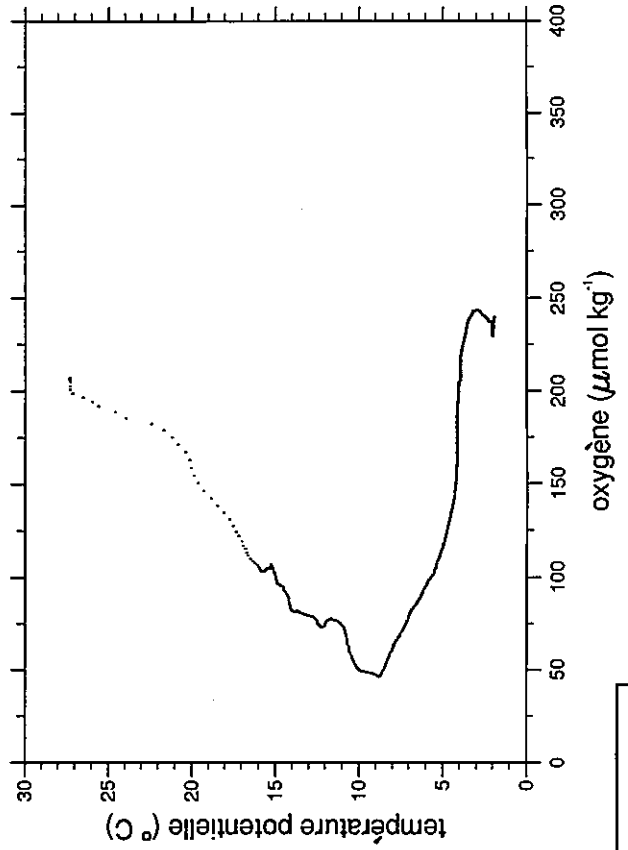
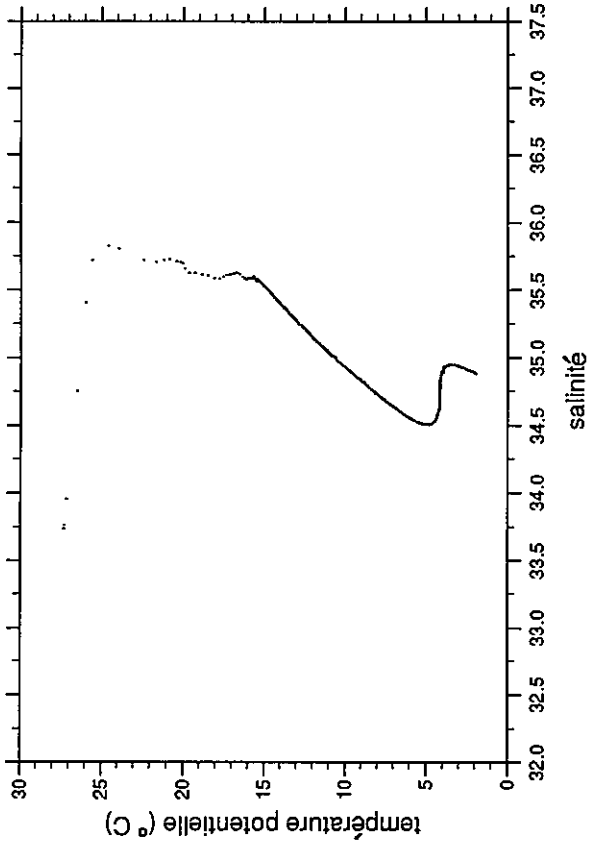
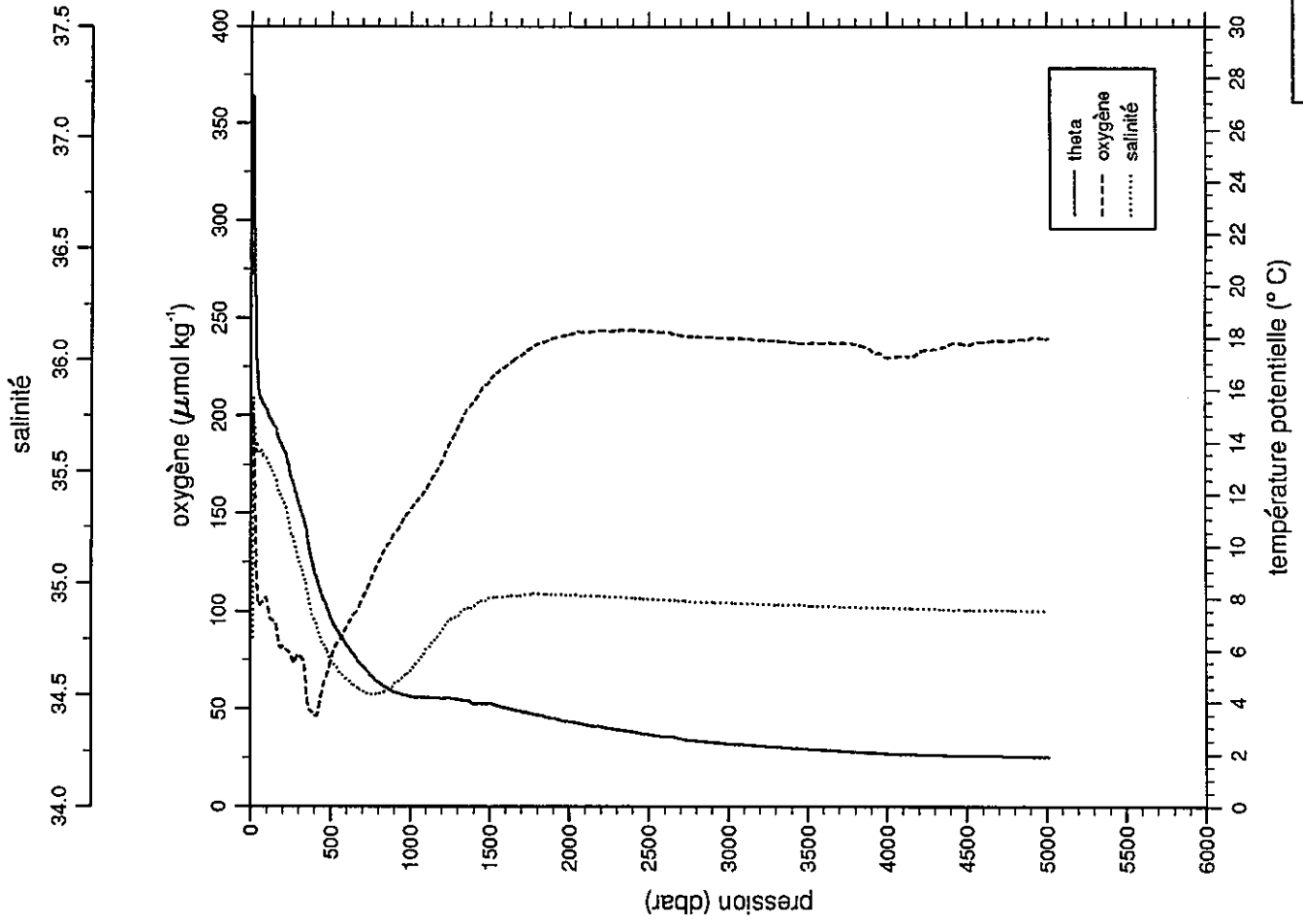
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.555	33.234	210.3	27.555	2850.	2.761	34.917	239.2	2.530
2.	27.588	33.168	209.5	27.588	2900.	2.737	34.915	238.8	2.502
3.	27.589	33.168	210.0	27.589	2950.	2.713	34.913	239.1	2.474
4.	27.588	33.167	210.8	27.587	3000.	2.694	34.913	239.2	2.450
5.	27.588	33.167	210.9	27.587	3050.	2.674	34.912	239.2	2.425
10.	27.558	33.243	206.4	27.555	3100.	2.656	34.911	238.6	2.402
20.	23.857	35.799	185.7	23.853	3150.	2.636	34.909	237.9	2.378
30.	19.648	35.717	153.4	19.642	3200.	2.616	34.908	236.8	2.353
40.	17.962	35.672	121.5	17.955	3250.	2.595	34.906	236.8	2.328
50.	16.973	35.650	101.1	16.965	3300.	2.570	34.905	236.7	2.297
100.	15.196	35.544	86.0	15.181	3350.	2.554	34.904	236.6	2.276
150.	14.446	35.456	86.9	14.424	3400.	2.533	34.902	236.6	2.251
200.	13.636	35.349	82.7	13.608	3450.	2.518	34.901	236.5	2.231
250.	12.506	35.208	80.5	12.472	3500.	2.494	34.900	236.6	2.201
300.	11.450	35.078	69.9	11.411	3550.	2.476	34.899	237.0	2.179
350.	9.959	34.934	49.5	9.918	3600.	2.465	34.897	236.8	2.162
400.	8.932	34.822	54.5	8.888	3650.	2.448	34.897	236.2	2.140
450.	7.889	34.713	70.0	7.844	3700.	2.436	34.896	236.1	2.124
500.	7.256	34.651	82.3	7.207	3750.	2.425	34.895	235.4	2.107
550.	6.563	34.588	95.3	6.513	3800.	2.409	34.893	234.7	2.086
600.	6.135	34.556	101.3	6.081	3850.	2.392	34.892	233.6	2.063
650.	5.685	34.526	108.7	5.629	3900.	2.378	34.891	229.4	2.044
700.	5.352	34.511	112.2	5.293	3950.	2.361	34.890	225.8	2.022
750.	5.025	34.502	120.2	4.964	4000.	2.349	34.889	226.2	2.005
800.	4.798	34.505	129.4	4.733	4050.	2.343	34.888	227.0	1.993
850.	4.632	34.523	135.3	4.565	4100.	2.341	34.887	228.5	1.986
900.	4.487	34.542	141.1	4.416	4150.	2.339	34.887	230.1	1.978
950.	4.376	34.575	147.4	4.302	4200.	2.339	34.886	232.5	1.972
1000.	4.338	34.615	153.1	4.259	4250.	2.336	34.885	233.8	1.964
1050.	4.313	34.652	159.2	4.231	4300.	2.337	34.885	234.3	1.959
1100.	4.295	34.699	164.2	4.208	4350.	2.340	34.884	234.8	1.956
1150.	4.279	34.741	170.3	4.188	4400.	2.343	34.884	235.4	1.953
1200.	4.244	34.783	177.6	4.148	4450.	2.344	34.883	236.2	1.947
1250.	4.254	34.833	186.9	4.154	4500.	2.346	34.883	236.8	1.943
1300.	4.188	34.856	193.8	4.084	4550.	2.349	34.881	237.4	1.940
1350.	4.197	34.892	202.7	4.089	4600.	2.352	34.881	237.9	1.937
1400.	4.192	34.917	210.3	4.079	4650.	2.353	34.880	238.0	1.932
1450.	4.136	34.931	216.6	4.019	4700.	2.357	34.880	237.9	1.930
1500.	4.101	34.940	220.8	3.980	4750.	2.360	34.879	237.6	1.927
1550.	4.016	34.940	222.9	3.891	4800.	2.361	34.878	237.2	1.921
1600.	3.938	34.946	226.0	3.809	4850.	2.355	34.877	237.1	1.910
1650.	3.872	34.948	228.3	3.739	4889.	2.348	34.876	237.2	1.898
1700.	3.818	34.952	231.9	3.682					
1750.	3.749	34.954	235.3	3.609					
1800.	3.663	34.952	235.6	3.519					
1850.	3.598	34.950	236.9	3.451					
1900.	3.550	34.952	238.3	3.398					
1950.	3.517	34.954	241.1	3.361					
2000.	3.461	34.949	241.6	3.302					
2050.	3.406	34.947	240.9	3.243					
2100.	3.368	34.947	240.7	3.200					
2150.	3.301	34.942	241.2	3.129					
2200.	3.261	34.942	241.2	3.085					
2250.	3.207	34.940	241.5	3.027					
2300.	3.155	34.939	241.5	2.972					
2350.	3.111	34.936	241.4	2.924					
2400.	3.077	34.933	240.8	2.885					
2450.	3.039	34.931	240.8	2.844					
2500.	3.006	34.930	240.9	2.806					
2550.	2.965	34.928	241.2	2.761					
2600.	2.923	34.926	241.1	2.715					
2650.	2.880	34.923	240.5	2.668					
2700.	2.843	34.921	240.2	2.626					
2750.	2.823	34.920	240.0	2.602					
2800.	2.785	34.918	239.6	2.559					



Station 15

Station	: 16	Campagne	: CITHER1
Date	: 06-01-93	Navire	: L'ATALANTE
Profondeur	: 4994 m	Organisme	: IFREMER
Position	: S 4 29.99		
	: E 4 50.01		

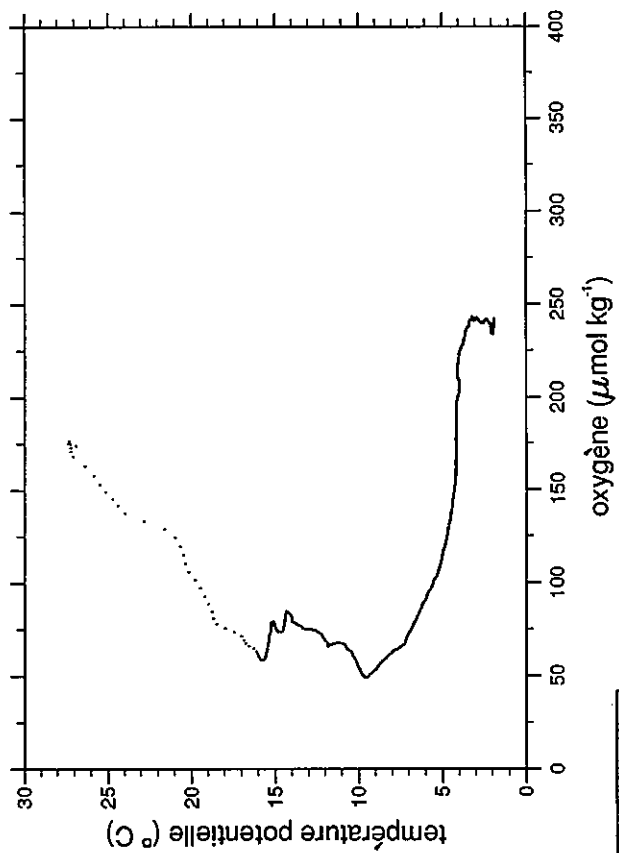
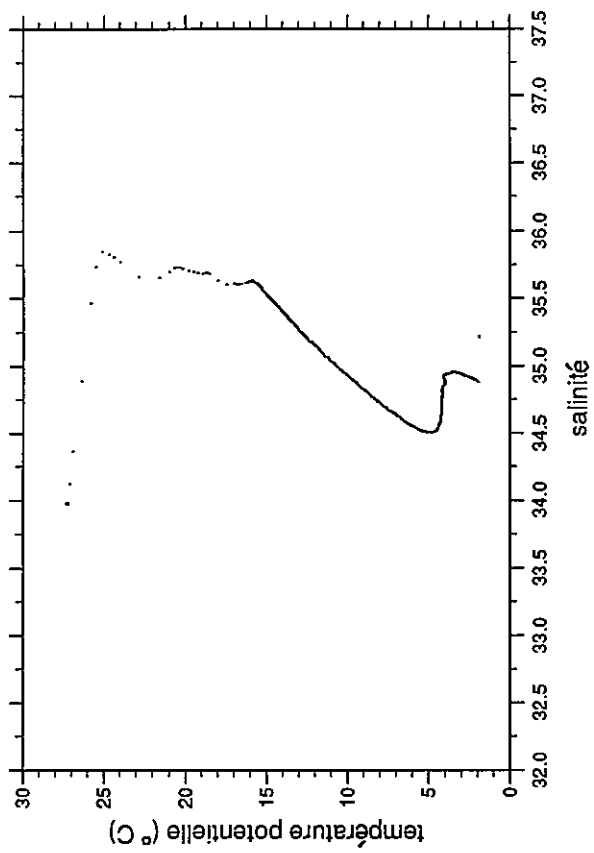
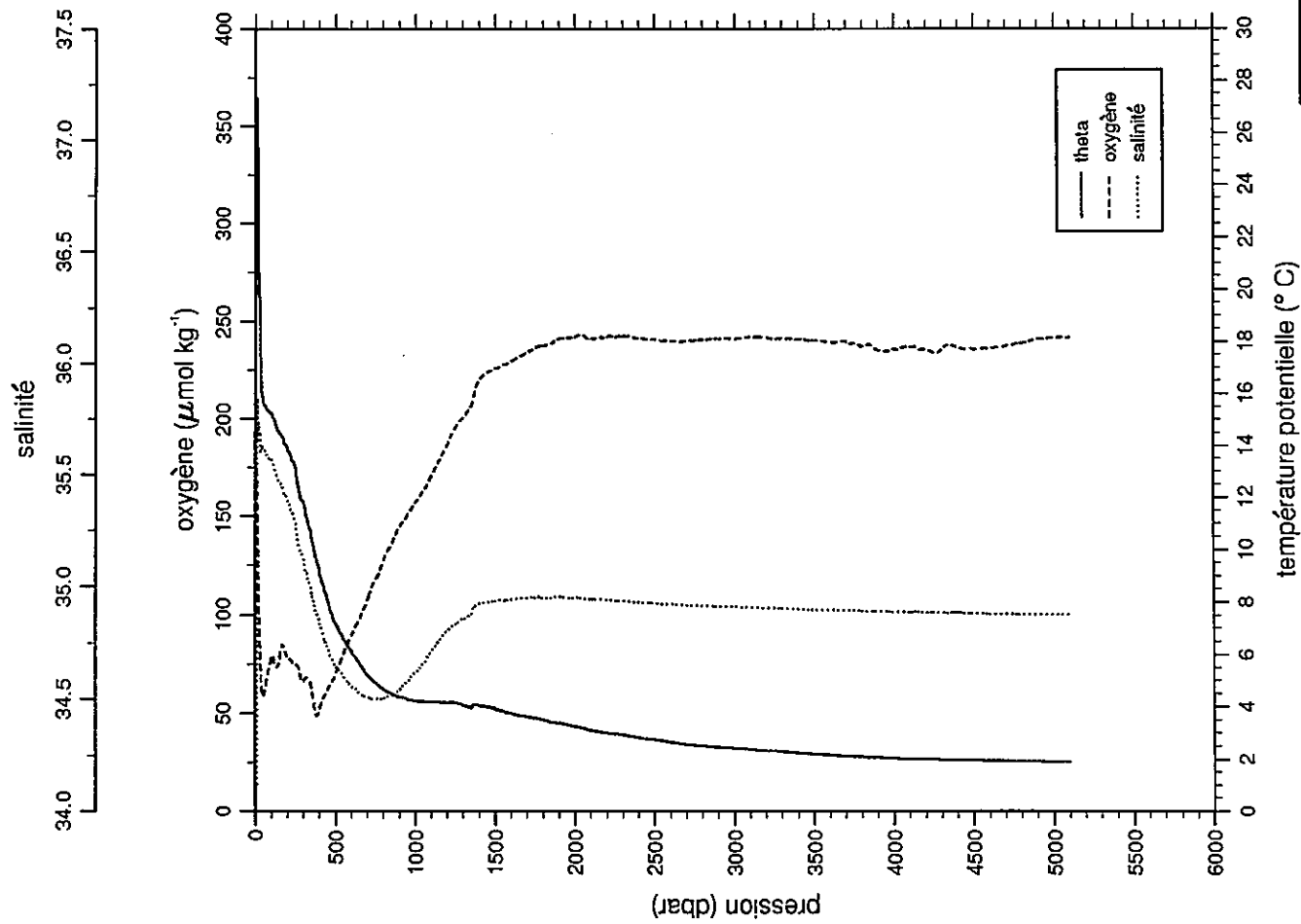
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.308	33.735	207.2	27.307	2850.	2.712	34.913	240.3	2.483
2.	27.302	33.735	205.2	27.301	2900.	2.693	34.913	240.3	2.459
3.	27.302	33.736	205.1	27.301	2950.	2.673	34.911	240.0	2.434
4.	27.303	33.736	205.9	27.302	3000.	2.651	34.910	239.4	2.408
5.	27.304	33.736	206.4	27.303	3050.	2.633	34.909	239.5	2.385
10.	27.312	33.735	206.4	27.309	3100.	2.621	34.908	239.2	2.369
20.	22.430	35.722	182.6	22.426	3150.	2.609	34.907	239.1	2.352
30.	18.824	35.618	142.4	18.818	3200.	2.587	34.906	238.5	2.325
40.	16.716	35.629	113.4	16.709	3250.	2.574	34.904	238.3	2.307
50.	15.883	35.587	103.6	15.875	3300.	2.558	34.904	238.3	2.286
100.	15.220	35.557	105.7	15.205	3350.	2.538	34.902	237.9	2.261
150.	14.573	35.476	94.9	14.551	3400.	2.524	34.901	237.3	2.242
200.	13.747	35.363	81.6	13.719	3450.	2.510	34.901	237.1	2.223
250.	12.685	35.232	77.8	12.651	3500.	2.487	34.899	237.1	2.195
300.	11.646	35.106	77.4	11.607	3550.	2.478	34.898	237.1	2.180
350.	10.594	34.993	59.3	10.552	3600.	2.465	34.897	237.0	2.163
400.	9.017	34.824	47.1	8.973	3650.	2.459	34.897	237.1	2.152
450.	8.097	34.735	59.9	8.051	3700.	2.441	34.895	237.1	2.128
500.	7.324	34.660	73.6	7.275	3750.	2.426	34.894	237.1	2.108
550.	6.762	34.610	84.1	6.710	3800.	2.410	34.893	236.2	2.087
600.	6.259	34.568	91.5	6.204	3850.	2.397	34.891	235.2	2.068
650.	5.868	34.542	98.7	5.811	3900.	2.388	34.891	233.3	2.054
700.	5.447	34.517	105.9	5.388	3950.	2.382	34.890	231.8	2.043
750.	5.089	34.503	115.3	5.027	4000.	2.365	34.889	229.4	2.020
800.	4.832	34.504	124.4	4.768	4050.	2.353	34.888	229.8	2.003
850.	4.627	34.517	132.5	4.560	4100.	2.349	34.887	230.2	1.994
900.	4.460	34.545	139.2	4.390	4150.	2.348	34.886	229.9	1.986
950.	4.381	34.574	145.2	4.306	4200.	2.343	34.885	231.9	1.976
1000.	4.308	34.604	150.9	4.230	4250.	2.341	34.884	233.4	1.968
1050.	4.279	34.649	156.5	4.197	4300.	2.342	34.885	233.7	1.964
1100.	4.252	34.700	162.3	4.166	4350.	2.343	34.883	234.7	1.959
1150.	4.264	34.742	168.9	4.173	4400.	2.339	34.882	236.5	1.949
1200.	4.240	34.786	176.6	4.145	4450.	2.343	34.882	236.9	1.946
1250.	4.251	34.831	186.0	4.151	4500.	2.344	34.882	236.1	1.942
1300.	4.208	34.855	193.7	4.104	4550.	2.345	34.880	237.1	1.937
1350.	4.156	34.885	202.0	4.048	4600.	2.350	34.880	237.6	1.935
1400.	4.047	34.895	206.5	3.936	4650.	2.354	34.880	237.8	1.933
1450.	4.067	34.921	213.4	3.951	4700.	2.358	34.880	238.4	1.931
1500.	4.058	34.930	217.6	3.937	4750.	2.361	34.879	238.2	1.927
1550.	3.976	34.935	221.9	3.852	4800.	2.361	34.878	238.5	1.921
1600.	3.902	34.939	225.0	3.774	4850.	2.361	34.877	239.0	1.915
1650.	3.840	34.943	228.2	3.708	4900.	2.358	34.877	239.3	1.906
1700.	3.776	34.944	230.7	3.640	4950.	2.361	34.876	239.7	1.902
1750.	3.707	34.948	233.7	3.568	5000.	2.362	34.876	239.3	1.897
1800.	3.654	34.950	236.4	3.511	5015.	2.364	34.876	239.4	1.897
1850.	3.594	34.950	238.0	3.447					
1900.	3.527	34.949	239.6	3.376					
1950.	3.461	34.947	240.4	3.306					
2000.	3.400	34.946	241.2	3.242					
2050.	3.359	34.945	243.0	3.196					
2100.	3.297	34.943	242.6	3.131					
2150.	3.255	34.942	243.2	3.085					
2200.	3.225	34.940	243.3	3.050					
2250.	3.158	34.937	243.1	2.979					
2300.	3.127	34.936	243.5	2.945					
2350.	3.093	34.935	243.7	2.906					
2400.	3.052	34.933	243.6	2.861					
2450.	3.001	34.930	243.3	2.806					
2500.	2.957	34.929	243.1	2.758					
2550.	2.923	34.926	242.8	2.719					
2600.	2.905	34.925	242.6	2.697					
2650.	2.877	34.923	241.9	2.664					
2700.	2.808	34.919	241.1	2.592					
2750.	2.766	34.917	240.5	2.545					
2800.	2.737	34.915	240.4	2.512					



Station 16

Station : 17 Campagne : CITHER1
 Date : 06-01-93 Navire : L'ATALANTE
 Profondeur: 5081 m Organisme : IFREMER
 Position : S 4 29.95
 E 4 19.86

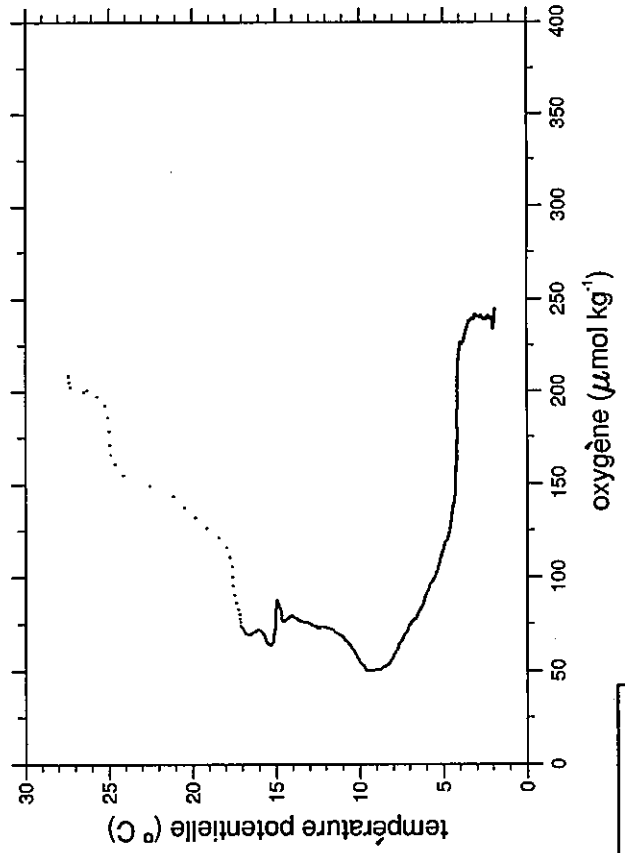
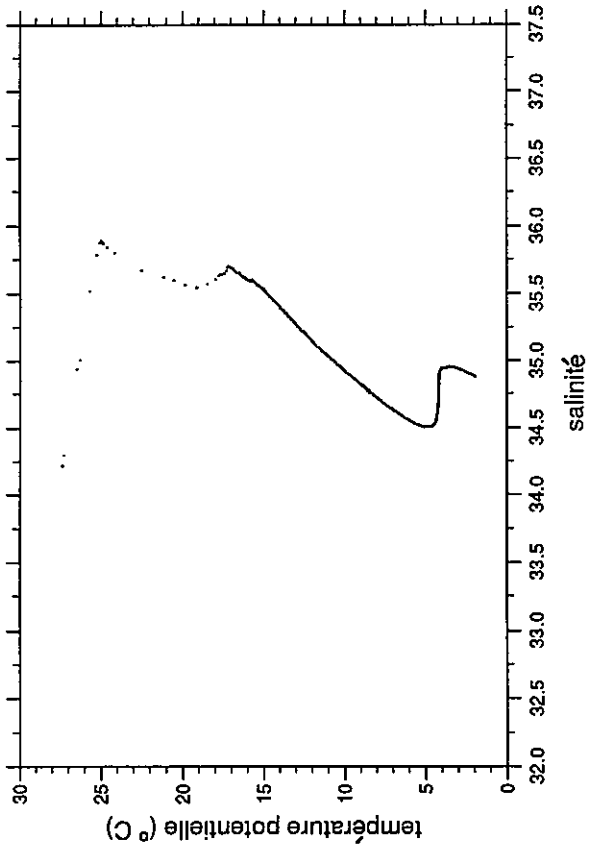
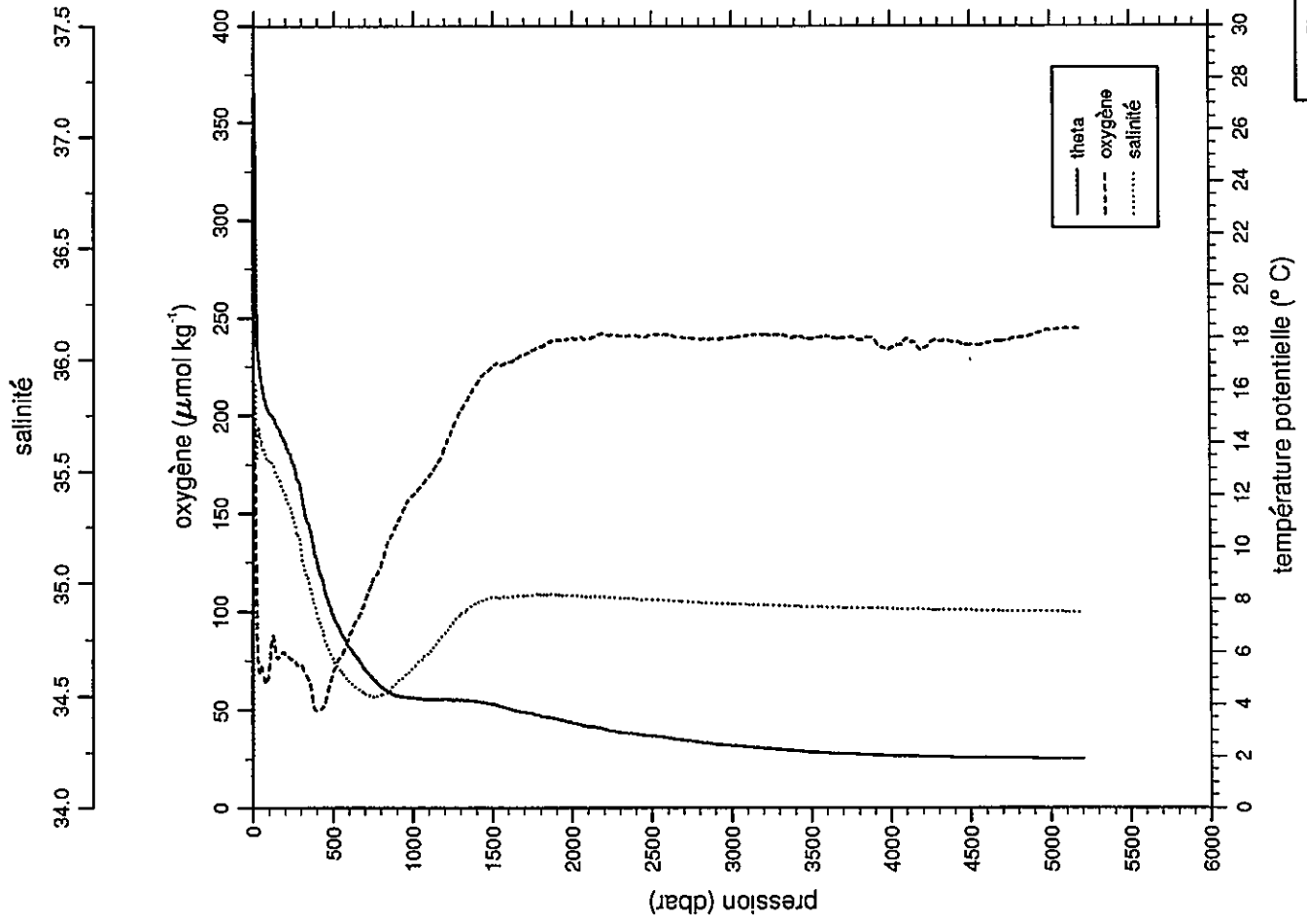
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.888	34.368	174.1	26.887	2850.	2.704	34.914	241.2	2.475
2.	27.341	33.981	175.1	27.341	2900.	2.679	34.912	241.0	2.445
3.	27.342	33.980	175.8	27.341	2950.	2.666	34.912	241.4	2.427
4.	27.339	33.978	176.4	27.338	3000.	2.651	34.910	241.1	2.408
5.	27.309	33.973	176.7	27.308	3050.	2.636	34.909	241.5	2.388
10.	26.376	34.888	163.1	26.374	3100.	2.614	34.908	242.1	2.362
20.	20.663	35.727	119.8	20.659	3150.	2.596	34.907	242.2	2.339
30.	18.500	35.684	78.0	18.494	3200.	2.576	34.905	242.0	2.314
40.	16.025	35.626	61.3	16.018	3250.	2.563	34.905	241.3	2.296
50.	15.661	35.616	58.9	15.654	3300.	2.550	34.903	241.4	2.278
100.	15.235	35.567	78.3	15.220	3350.	2.529	34.902	241.3	2.252
150.	14.476	35.463	77.1	14.454	3400.	2.502	34.900	240.8	2.220
200.	13.870	35.380	78.8	13.841	3450.	2.485	34.899	240.5	2.198
250.	13.126	35.284	74.9	13.091	3500.	2.477	34.898	240.2	2.186
300.	11.816	35.130	66.2	11.777	3550.	2.467	34.897	239.9	2.170
350.	10.474	34.969	62.9	10.432	3600.	2.451	34.896	239.5	2.149
400.	9.219	34.843	51.9	9.174	3650.	2.440	34.895	239.4	2.133
450.	8.119	34.731	61.8	8.073	3700.	2.422	34.894	239.7	2.109
500.	7.206	34.650	69.8	7.158	3750.	2.407	34.892	238.7	2.089
550.	6.635	34.597	79.9	6.584	3800.	2.403	34.892	237.3	2.080
600.	6.162	34.561	89.6	6.108	3850.	2.396	34.892	238.0	2.067
650.	5.720	34.529	97.4	5.664	3900.	2.390	34.891	235.3	2.056
700.	5.268	34.509	107.3	5.210	3950.	2.384	34.890	234.6	2.044
750.	4.984	34.502	117.8	4.923	4000.	2.377	34.889	235.7	2.032
800.	4.752	34.503	127.4	4.688	4050.	2.366	34.888	236.4	2.016
850.	4.582	34.516	135.5	4.514	4100.	2.354	34.887	237.0	1.999
900.	4.448	34.547	144.6	4.377	4150.	2.356	34.886	236.1	1.995
950.	4.368	34.578	150.3	4.293	4200.	2.356	34.886	235.4	1.988
1000.	4.295	34.616	156.9	4.217	4250.	2.357	34.886	234.1	1.984
1050.	4.274	34.659	162.7	4.192	4300.	2.346	34.884	235.7	1.967
1100.	4.249	34.710	170.4	4.162	4350.	2.350	34.883	237.7	1.965
1150.	4.255	34.765	178.6	4.163	4400.	2.353	34.884	236.7	1.962
1200.	4.245	34.801	186.8	4.150	4450.	2.355	34.883	235.7	1.959
1250.	4.242	34.832	195.7	4.142	4500.	2.359	34.882	235.8	1.956
1300.	4.153	34.853	200.9	4.049	4550.	2.362	34.882	236.0	1.952
1350.	4.064	34.876	206.9	3.957	4600.	2.362	34.881	236.1	1.947
1400.	4.155	34.924	220.1	4.042	4650.	2.363	34.880	236.6	1.941
1450.	4.101	34.931	223.8	3.984	4700.	2.362	34.880	237.3	1.935
1500.	4.046	34.936	225.8	3.925	4750.	2.358	34.879	238.1	1.925
1550.	3.954	34.939	227.8	3.830	4800.	2.360	34.878	238.9	1.920
1600.	3.865	34.941	229.5	3.737	4850.	2.357	34.877	239.9	1.911
1650.	3.806	34.945	231.9	3.674	4900.	2.360	34.877	241.0	1.908
1700.	3.760	34.949	234.0	3.624	4950.	2.359	34.876	241.4	1.901
1750.	3.708	34.952	236.2	3.569	5000.	2.362	34.876	241.9	1.898
1800.	3.638	34.951	237.3	3.494	5050.	2.368	34.876	242.1	1.897
1850.	3.547	34.950	238.2	3.400	5100.	2.374	34.876	241.9	1.896
1900.	3.512	34.952	241.2	3.361	5101.	2.374	34.876	241.8	1.896
1950.	3.462	34.950	241.6	3.307					
2000.	3.387	34.949	242.1	3.228					
2050.	3.331	34.945	243.0	3.169					
2100.	3.263	34.943	241.3	3.098					
2150.	3.211	34.942	241.7	3.041					
2200.	3.171	34.940	242.0	2.997					
2250.	3.143	34.937	242.3	2.965					
2300.	3.108	34.936	242.6	2.926					
2350.	3.067	34.934	242.4	2.881					
2400.	3.023	34.931	241.7	2.833					
2450.	2.980	34.928	240.9	2.786					
2500.	2.955	34.926	241.0	2.756					
2550.	2.910	34.924	240.1	2.707					
2600.	2.863	34.922	240.1	2.655					
2650.	2.819	34.920	239.8	2.608					
2700.	2.777	34.918	239.9	2.562					
2750.	2.757	34.916	240.3	2.537					
2800.	2.726	34.915	240.7	2.502					



Station 17

Station : 18 Campagne : CITHERR1
 Date : 06-01-93 Navire : L'ATALANTE
 Profondeur: 5192 m Organisme : IFRIMER
 Position : S 4 19.97
 E 3 50.01

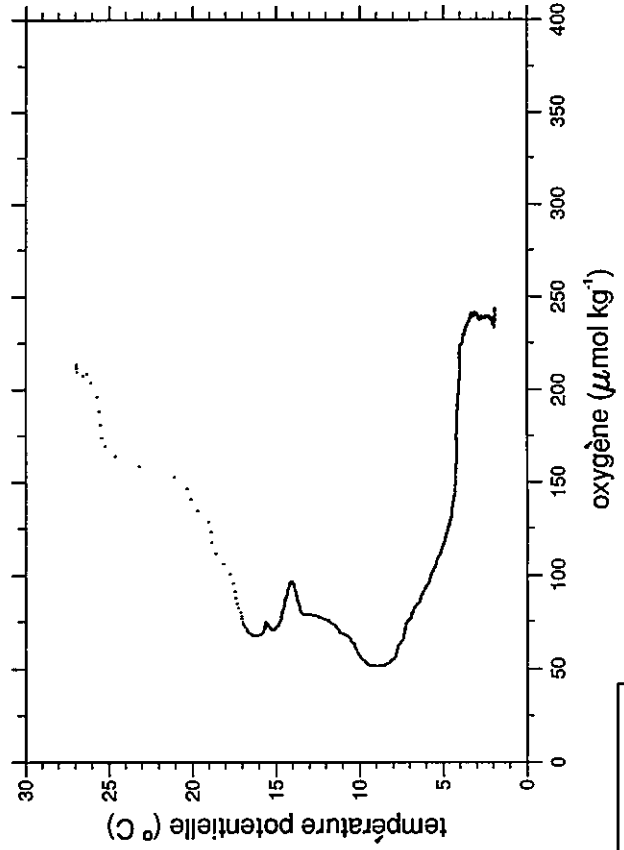
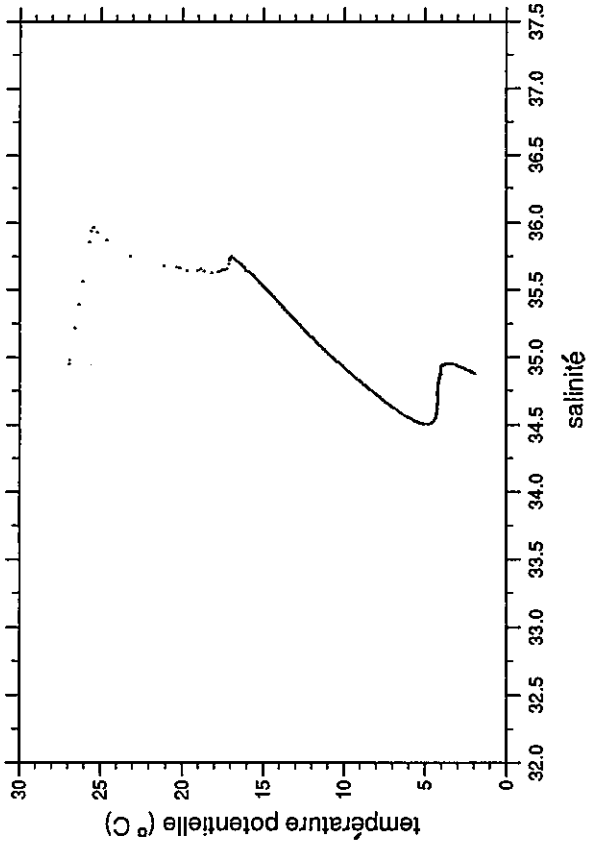
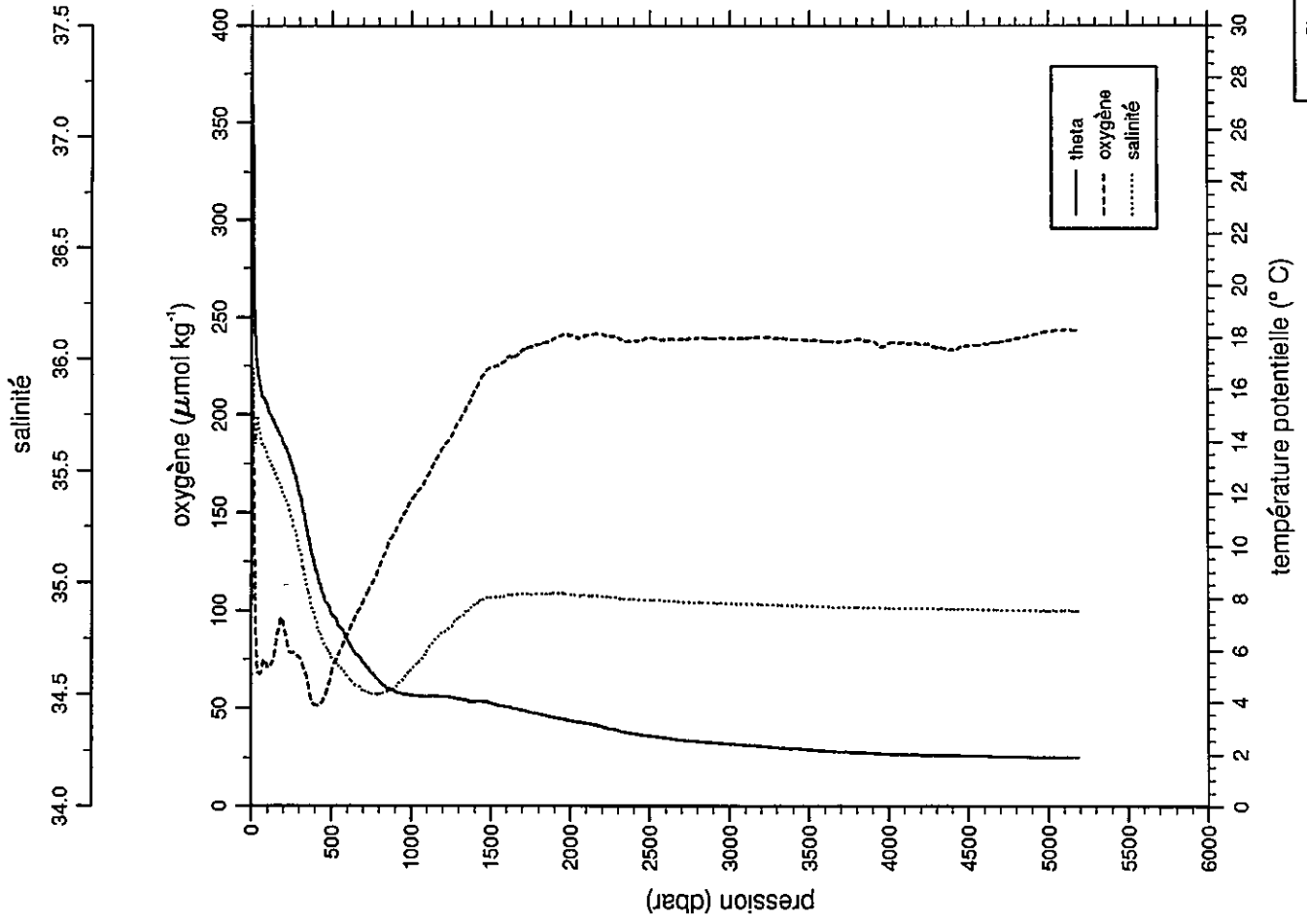
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.291	35.005	201.0	26.291	2850.	2.727	34.914	239.1	2.498
2.	27.389	34.215	208.3	27.389	2900.	2.683	34.912	239.2	2.449
3.	27.389	34.214	208.9	27.388	2950.	2.664	34.911	239.2	2.426
4.	27.389	34.214	208.3	27.388	3000.	2.649	34.910	239.6	2.406
5.	27.384	34.217	205.0	27.383	3050.	2.620	34.908	240.3	2.372
10.	25.042	35.874	185.9	25.039	3100.	2.607	34.907	240.8	2.354
20.	19.099	35.548	126.3	19.095	3150.	2.595	34.906	241.0	2.338
30.	17.192	35.693	80.0	17.187	3200.	2.572	34.905	241.3	2.310
40.	16.772	35.665	69.6	16.765	3250.	2.552	34.903	240.9	2.286
50.	16.271	35.624	70.8	16.263	3300.	2.535	34.902	241.0	2.263
100.	15.123	35.544	69.6	15.107	3350.	2.512	34.900	240.3	2.236
150.	14.607	35.478	76.7	14.585	3400.	2.497	34.899	240.3	2.215
200.	13.971	35.393	78.6	13.942	3450.	2.470	34.897	239.8	2.184
250.	13.171	35.292	75.8	13.136	3500.	2.450	34.896	239.1	2.159
300.	12.056	35.153	73.3	12.016	3550.	2.440	34.896	239.8	2.144
350.	10.731	35.002	64.9	10.689	3600.	2.429	34.894	240.3	2.127
400.	9.413	34.865	49.9	9.368	3650.	2.418	34.894	239.5	2.112
450.	8.314	34.751	53.6	8.266	3700.	2.405	34.892	239.4	2.093
500.	7.441	34.669	68.5	7.391	3750.	2.396	34.892	239.8	2.079
550.	6.759	34.605	77.5	6.708	3800.	2.394	34.891	238.8	2.071
600.	6.210	34.566	87.4	6.157	3850.	2.384	34.890	239.9	2.056
650.	5.820	34.538	96.2	5.763	3900.	2.381	34.890	238.6	2.047
700.	5.366	34.512	105.0	5.307	3950.	2.366	34.889	235.1	2.027
750.	5.044	34.499	115.9	4.983	4000.	2.347	34.887	234.5	2.003
800.	4.706	34.506	124.0	4.642	4050.	2.342	34.886	236.3	1.993
850.	4.524	34.520	136.6	4.457	4100.	2.334	34.885	239.1	1.979
900.	4.380	34.560	144.5	4.310	4150.	2.339	34.885	237.5	1.978
950.	4.342	34.593	153.3	4.268	4200.	2.342	34.885	234.4	1.975
1000.	4.313	34.621	159.3	4.235	4250.	2.332	34.884	237.1	1.960
1050.	4.286	34.659	164.0	4.204	4300.	2.338	34.883	238.2	1.960
1100.	4.267	34.691	168.9	4.180	4350.	2.338	34.882	238.8	1.954
1150.	4.259	34.733	174.9	4.168	4400.	2.342	34.883	237.8	1.951
1200.	4.285	34.781	184.1	4.189	4450.	2.346	34.883	236.5	1.949
1250.	4.261	34.827	193.9	4.161	4500.	2.349	34.882	236.3	1.946
1300.	4.268	34.864	202.5	4.164	4550.	2.352	34.881	235.9	1.943
1350.	4.232	34.888	209.5	4.123	4600.	2.350	34.879	237.0	1.935
1400.	4.219	34.912	216.1	4.106	4650.	2.350	34.879	237.8	1.929
1450.	4.163	34.927	221.7	4.046	4700.	2.352	34.878	238.1	1.925
1500.	4.125	34.938	225.3	4.004	4750.	2.350	34.878	238.7	1.917
1550.	4.026	34.938	225.8	3.901	4800.	2.352	34.878	239.4	1.913
1600.	3.947	34.940	226.9	3.818	4850.	2.355	34.877	240.1	1.909
1650.	3.856	34.942	229.0	3.724	4900.	2.357	34.876	241.1	1.905
1700.	3.810	34.947	231.1	3.674	4950.	2.358	34.876	242.5	1.900
1750.	3.763	34.949	233.2	3.623	5000.	2.362	34.876	243.5	1.897
1800.	3.677	34.952	235.4	3.533	5050.	2.368	34.876	243.8	1.897
1850.	3.628	34.952	237.2	3.480	5100.	2.371	34.876	244.5	1.894
1900.	3.563	34.949	238.3	3.412	5150.	2.374	34.875	244.4	1.890
1950.	3.517	34.950	238.7	3.361	5200.	2.379	34.875	243.9	1.889
2000.	3.439	34.947	239.6	3.280	5205.	2.380	34.875	243.9	1.888
2050.	3.386	34.948	239.7	3.223					
2100.	3.315	34.941	239.0	3.148					
2150.	3.287	34.943	240.8	3.116					
2200.	3.233	34.941	241.6	3.058					
2250.	3.161	34.939	241.1	2.983					
2300.	3.109	34.936	240.6	2.927					
2350.	3.074	34.934	240.5	2.887					
2400.	3.046	34.932	240.7	2.855					
2450.	2.999	34.929	239.8	2.804					
2500.	2.966	34.928	240.9	2.766					
2550.	2.945	34.928	241.3	2.742					
2600.	2.908	34.925	240.9	2.700					
2650.	2.843	34.921	240.0	2.631					
2700.	2.818	34.920	239.5	2.602					
2750.	2.787	34.918	239.5	2.566					
2800.	2.745	34.916	239.1	2.520					



Station 18

Station : 19 Campagne : CITHER1
 Date : 07-01-93 Navire : L'ATALANTE
 Profondeur: 5164 m Organisme : IFREMER
 Position : S 4 29.94
 E 3 19.90

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.317	35.388	208.6	26.316	2850.	2.680	34.910	239.4	2.451
2.	26.932	34.949	212.1	26.931	2900.	2.662	34.910	238.9	2.429
3.	26.935	34.949	213.3	26.934	2950.	2.649	34.909	239.4	2.411
4.	26.936	34.949	213.8	26.935	3000.	2.627	34.908	239.3	2.384
5.	26.936	34.951	211.6	26.935	3050.	2.604	34.906	238.9	2.356
10.	25.570	35.937	188.5	25.568	3100.	2.591	34.905	239.2	2.339
20.	19.041	35.640	128.8	19.038	3150.	2.582	34.905	239.7	2.325
30.	17.241	35.656	82.3	17.236	3200.	2.559	34.903	239.5	2.297
40.	16.631	35.715	69.2	16.625	3250.	2.539	34.902	239.8	2.272
50.	16.257	35.675	67.5	16.249	3300.	2.516	34.901	239.2	2.245
100.	15.311	35.568	70.7	15.295	3350.	2.504	34.899	238.9	2.227
150.	14.629	35.482	80.7	14.607	3400.	2.488	34.899	238.6	2.207
200.	13.925	35.389	93.3	13.896	3450.	2.477	34.898	238.6	2.190
250.	13.132	35.290	78.7	13.097	3500.	2.457	34.897	238.1	2.166
300.	11.977	35.147	75.8	11.937	3550.	2.434	34.894	238.1	2.138
350.	10.551	34.979	64.9	10.509	3600.	2.422	34.894	237.5	2.120
400.	9.146	34.835	51.6	9.102	3650.	2.409	34.888	237.5	2.102
450.	8.171	34.739	54.3	8.124	3700.	2.403	34.888	237.5	2.091
500.	7.419	34.665	67.0	7.370	3750.	2.391	34.891	237.9	2.074
550.	6.955	34.624	78.3	6.902	3800.	2.383	34.890	238.7	2.061
600.	6.418	34.579	87.4	6.363	3850.	2.379	34.890	238.0	2.051
650.	5.909	34.541	96.6	5.852	3900.	2.370	34.889	238.0	2.037
700.	5.540	34.518	104.7	5.481	3950.	2.364	34.889	234.9	2.026
750.	5.190	34.504	112.9	5.128	4000.	2.350	34.887	236.4	2.006
800.	4.876	34.499	122.5	4.811	4050.	2.338	34.885	236.7	1.989
850.	4.588	34.513	132.3	4.521	4100.	2.339	34.885	237.1	1.984
900.	4.471	34.531	140.3	4.400	4150.	2.339	34.884	236.6	1.978
950.	4.370	34.564	148.2	4.296	4200.	2.345	34.885	235.8	1.978
1000.	4.329	34.607	156.1	4.251	4250.	2.348	34.885	236.2	1.975
1050.	4.291	34.644	161.6	4.209	4300.	2.352	34.884	234.5	1.974
1100.	4.281	34.693	168.3	4.194	4350.	2.349	34.884	233.9	1.964
1150.	4.304	34.743	176.5	4.213	4400.	2.350	34.883	233.3	1.959
1200.	4.286	34.777	183.3	4.190	4450.	2.349	34.883	234.6	1.952
1250.	4.257	34.805	188.5	4.157	4500.	2.348	34.883	235.3	1.945
1300.	4.217	34.844	196.5	4.112	4550.	2.348	34.880	235.8	1.939
1350.	4.168	34.873	204.2	4.060	4600.	2.349	34.879	236.2	1.934
1400.	4.118	34.902	212.7	4.005	4650.	2.348	34.879	236.8	1.927
1450.	4.130	34.923	220.1	4.013	4700.	2.348	34.878	237.4	1.921
1500.	4.073	34.935	224.4	3.952	4750.	2.348	34.878	238.0	1.915
1550.	3.974	34.936	225.2	3.850	4800.	2.351	34.877	239.2	1.912
1600.	3.940	34.945	228.3	3.812	4850.	2.356	34.877	239.7	1.911
1650.	3.874	34.945	229.7	3.742	4900.	2.355	34.876	241.0	1.904
1700.	3.798	34.950	232.9	3.662	4950.	2.354	34.876	241.9	1.896
1750.	3.717	34.950	234.6	3.578	5000.	2.359	34.876	242.7	1.894
1800.	3.665	34.951	235.9	3.521	5050.	2.365	34.876	243.3	1.894
1850.	3.603	34.951	237.1	3.455	5100.	2.372	34.876	243.5	1.894
1900.	3.533	34.953	239.3	3.382	5150.	2.379	34.876	243.4	1.894
1950.	3.486	34.952	240.8	3.330	5188.	2.384	34.876	244.0	1.894
2000.	3.429	34.949	240.7	3.270					
2050.	3.385	34.944	239.3	3.222					
2100.	3.341	34.944	240.7	3.174					
2150.	3.300	34.943	241.5	3.129					
2200.	3.227	34.941	241.3	3.053					
2250.	3.152	34.937	240.3	2.973					
2300.	3.103	34.933	239.7	2.920					
2350.	3.031	34.929	237.7	2.845					
2400.	2.989	34.927	237.8	2.799					
2450.	2.932	34.925	238.2	2.738					
2500.	2.910	34.924	239.7	2.711					
2550.	2.871	34.921	238.7	2.669					
2600.	2.837	34.920	238.5	2.630					
2650.	2.792	34.918	238.7	2.581					
2700.	2.750	34.915	238.9	2.536					
2750.	2.726	34.913	239.3	2.507					
2800.	2.707	34.913	239.3	2.483					



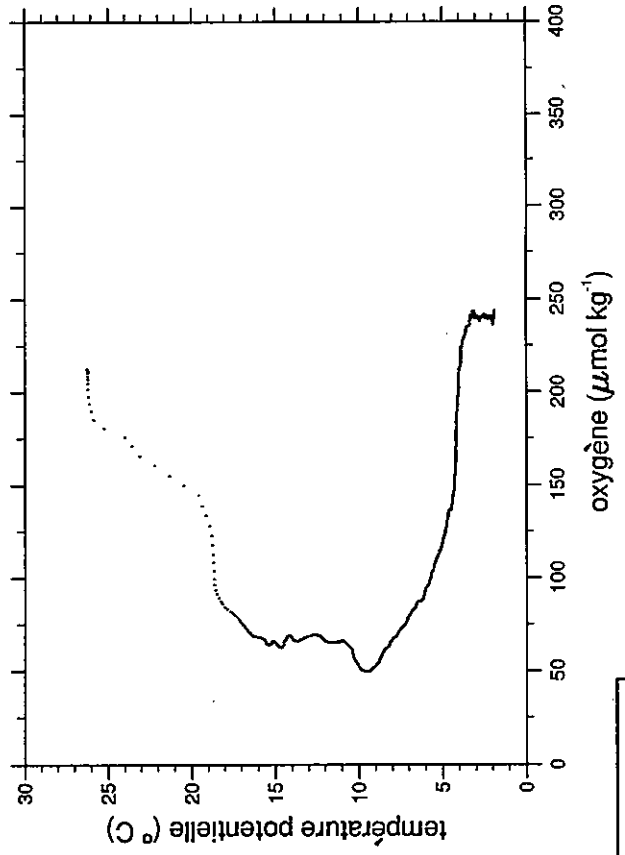
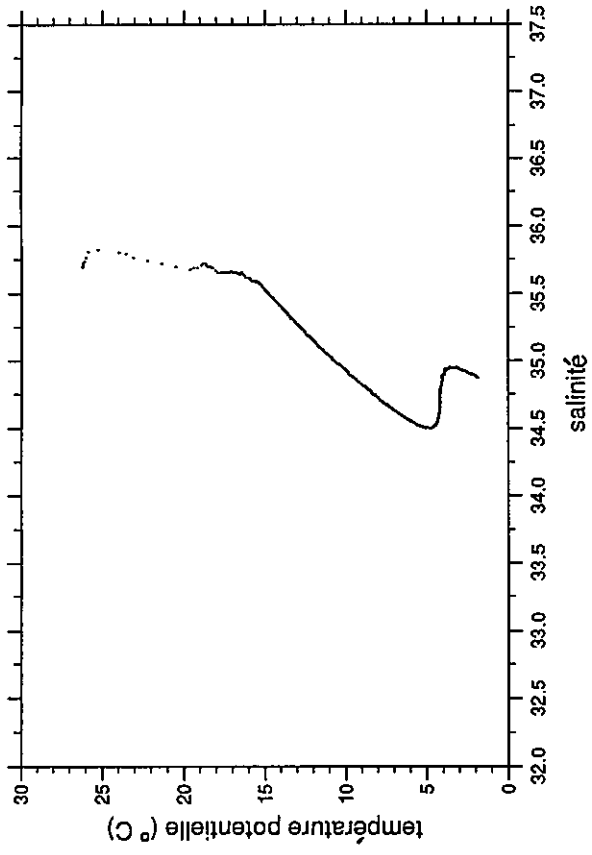
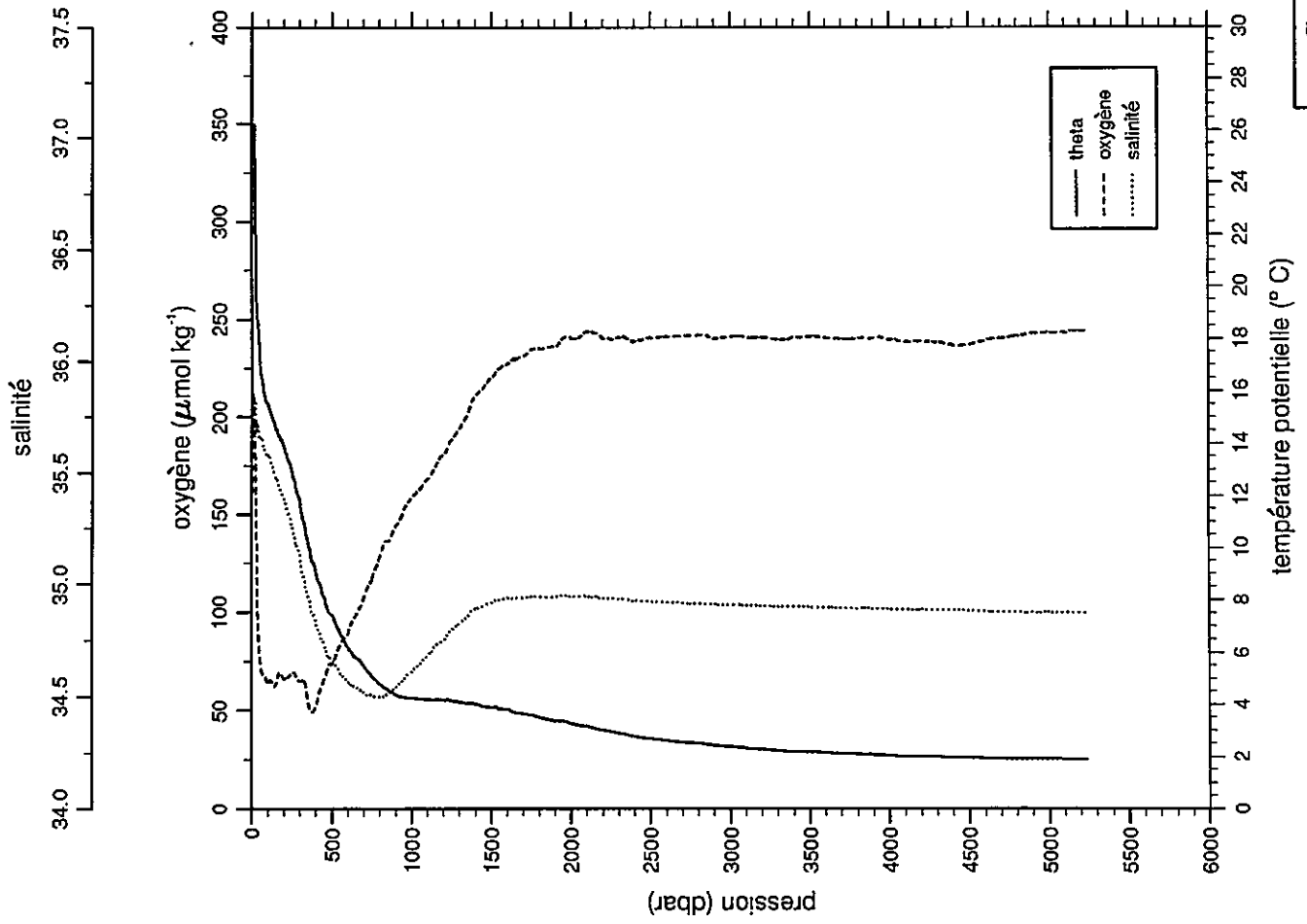
Station 19

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| Station   : 20           Campagne  : CITHER1
| Date      : 07-01-93    Navire    : L'ATALANTE
| Profondeur: 5205 m      Organisme : IFREMER
| Position  : S   4 29.97
|            E   2 49.98
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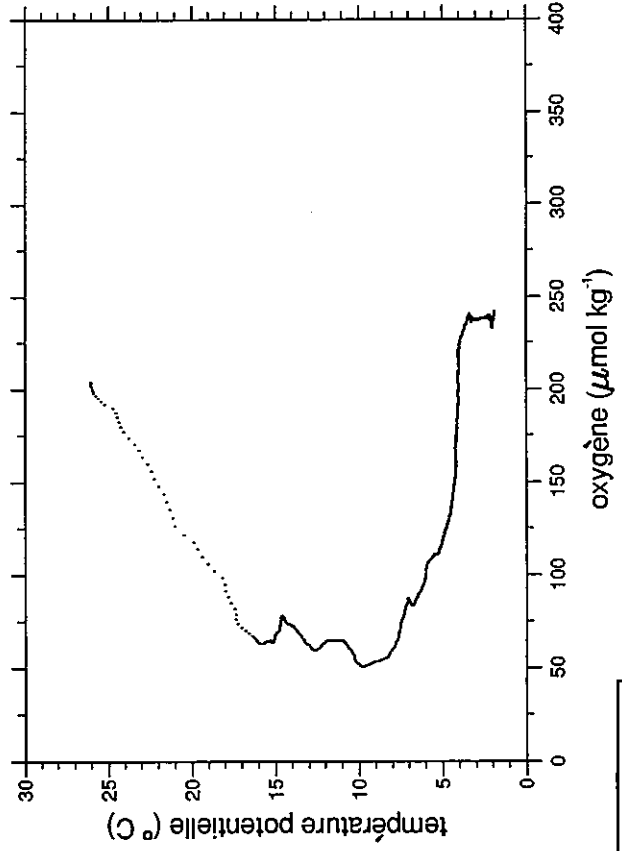
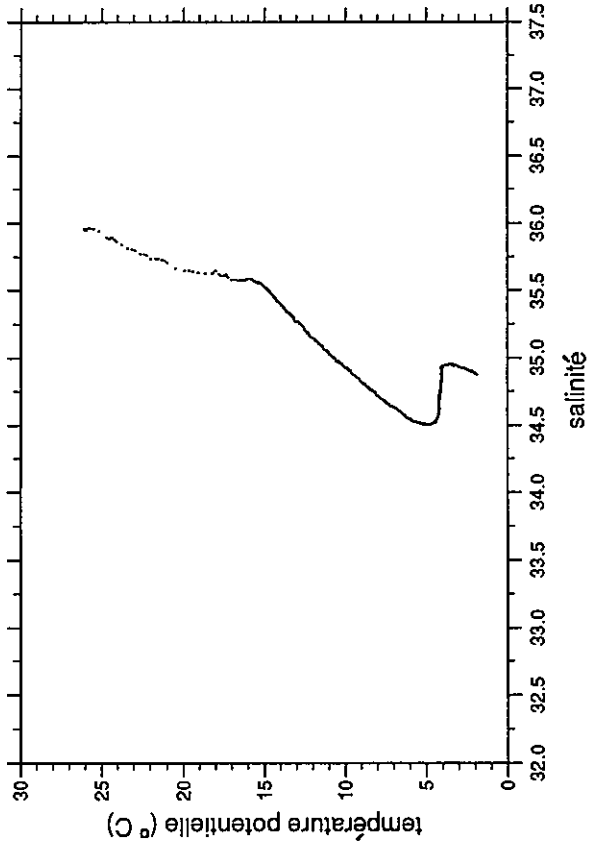
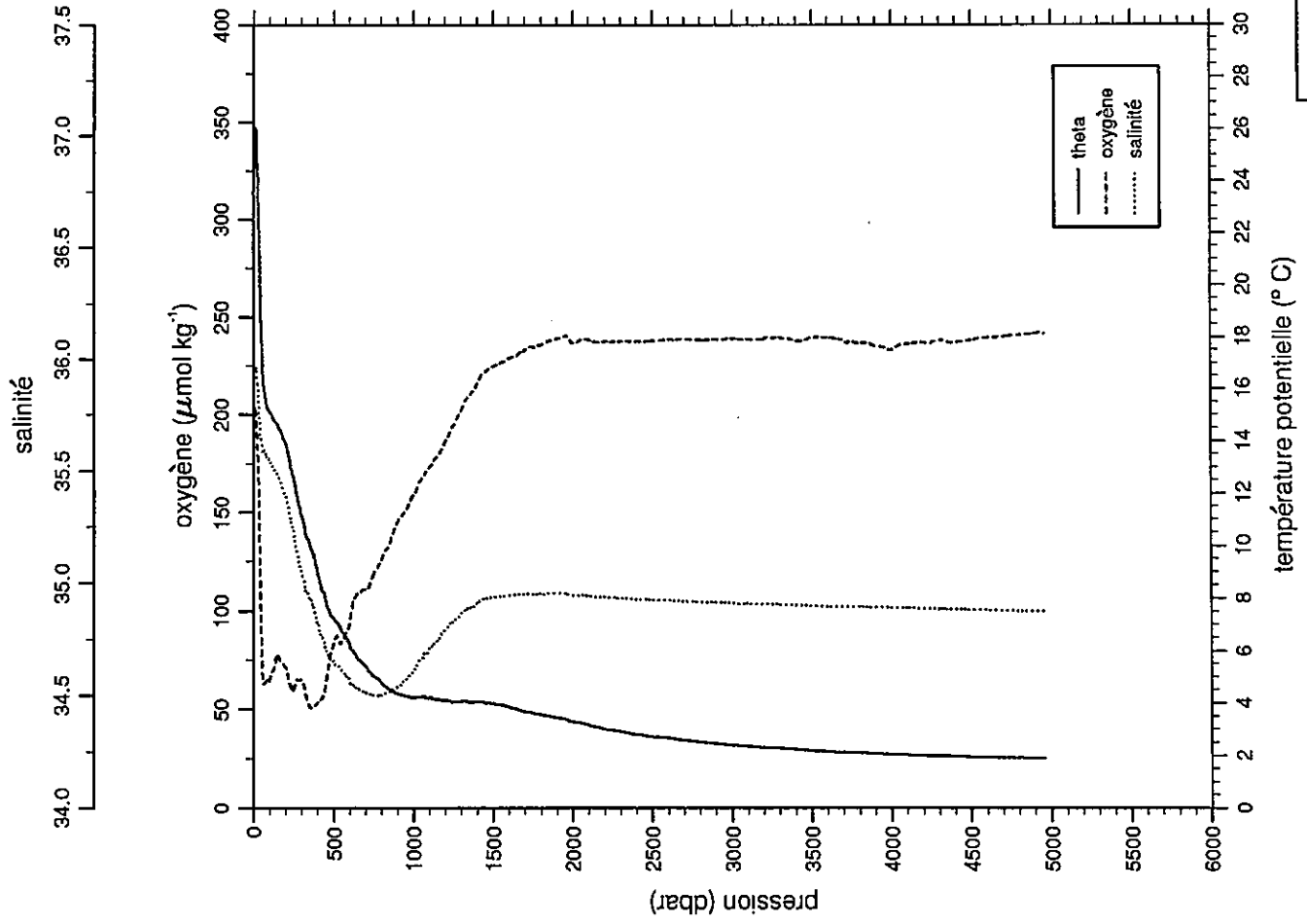
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.225	35.696	212.0	26.225	2850.	2.693	34.912	241.5	2.464
2.	26.224	35.697	211.2	26.223	2900.	2.664	34.909	239.9	2.431
3.	26.224	35.696	211.1	26.223	2950.	2.639	34.909	240.6	2.401
4.	26.223	35.696	210.6	26.222	3000.	2.617	34.908	240.9	2.374
5.	26.223	35.696	211.0	26.222	3050.	2.608	34.908	241.3	2.361
10.	26.227	35.694	212.6	26.225	3100.	2.581	34.905	240.7	2.329
20.	25.246	35.825	180.8	25.242	3150.	2.553	34.904	240.5	2.296
30.	18.929	35.708	128.1	18.924	3200.	2.538	34.903	240.5	2.277
40.	18.377	35.698	89.2	18.371	3250.	2.525	34.901	240.6	2.259
50.	17.094	35.661	76.7	17.086	3300.	2.507	34.900	239.4	2.235
100.	15.472	35.578	64.1	15.457	3350.	2.496	34.900	239.4	2.220
150.	14.578	35.471	63.3	14.556	3400.	2.491	34.900	240.7	2.210
200.	13.848	35.377	65.9	13.819	3450.	2.482	34.899	240.7	2.196
250.	12.934	35.263	68.8	12.899	3500.	2.478	34.899	240.8	2.186
300.	11.749	35.113	65.0	11.711	3550.	2.470	34.897	240.9	2.173
350.	10.232	34.949	55.1	10.190	3600.	2.456	34.897	240.4	2.154
400.	9.090	34.828	52.3	9.046	3650.	2.448	34.896	239.8	2.140
450.	8.148	34.734	65.6	8.102	3700.	2.437	34.894	239.6	2.124
500.	7.442	34.670	73.5	7.393	3750.	2.425	34.894	239.6	2.107
550.	6.786	34.607	83.3	6.735	3800.	2.421	34.894	240.0	2.098
600.	6.213	34.565	89.0	6.159	3850.	2.416	34.893	240.5	2.087
650.	5.854	34.541	98.4	5.797	3900.	2.408	34.892	240.3	2.074
700.	5.537	34.519	107.3	5.477	3950.	2.402	34.891	240.6	2.062
750.	5.136	34.503	116.5	5.074	4000.	2.386	34.890	239.4	2.041
800.	4.843	34.500	128.0	4.778	4050.	2.374	34.888	239.0	2.023
850.	4.632	34.512	136.3	4.565	4100.	2.368	34.887	238.3	2.012
900.	4.448	34.541	143.8	4.377	4150.	2.363	34.886	238.4	2.002
950.	4.362	34.576	151.6	4.288	4200.	2.364	34.886	238.3	1.997
1000.	4.320	34.611	158.5	4.242	4250.	2.365	34.886	238.3	1.991
1050.	4.288	34.644	162.8	4.206	4300.	2.362	34.886	238.0	1.983
1100.	4.281	34.684	168.0	4.194	4350.	2.357	34.884	237.5	1.972
1150.	4.270	34.723	174.6	4.179	4400.	2.357	34.885	236.6	1.966
1200.	4.263	34.750	180.4	4.168	4450.	2.356	34.884	236.4	1.959
1250.	4.245	34.797	187.8	4.145	4500.	2.354	34.883	237.0	1.951
1300.	4.195	34.828	193.4	4.091	4550.	2.343	34.880	237.9	1.935
1350.	4.134	34.855	201.0	4.026	4600.	2.336	34.879	238.8	1.922
1400.	4.122	34.888	210.7	4.009	4650.	2.334	34.878	239.7	1.913
1450.	4.016	34.903	215.0	3.900	4700.	2.332	34.877	240.2	1.906
1500.	4.005	34.917	220.2	3.885	4750.	2.333	34.877	240.6	1.900
1550.	3.946	34.932	224.5	3.822	4800.	2.333	34.876	241.1	1.895
1600.	3.916	34.937	226.8	3.787	4850.	2.335	34.876	241.8	1.890
1650.	3.801	34.938	229.2	3.670	4900.	2.339	34.876	242.4	1.888
1700.	3.756	34.939	230.9	3.620	4950.	2.345	34.876	242.7	1.887
1750.	3.716	34.946	234.3	3.577	5000.	2.350	34.875	243.0	1.886
1800.	3.632	34.944	235.1	3.489	5050.	2.353	34.875	242.7	1.882
1850.	3.568	34.943	235.6	3.421	5100.	2.356	34.875	242.8	1.879
1900.	3.502	34.942	236.2	3.351	5150.	2.360	34.874	243.7	1.877
1950.	3.491	34.948	240.3	3.336	5200.	2.365	34.874	243.7	1.875
2000.	3.414	34.945	240.1	3.255	5234.	2.370	34.874	243.9	1.875
2050.	3.364	34.945	240.6	3.202					
2100.	3.323	34.946	243.4	3.156					
2150.	3.250	34.945	242.8	3.079					
2200.	3.191	34.938	240.1	3.017					
2250.	3.140	34.935	239.7	2.962					
2300.	3.085	34.934	240.4	2.903					
2350.	3.016	34.930	240.1	2.830					
2400.	2.949	34.927	238.7	2.759					
2450.	2.904	34.924	239.4	2.710					
2500.	2.871	34.923	240.2	2.673					
2550.	2.840	34.921	240.5	2.639					
2600.	2.802	34.919	240.9	2.596					
2650.	2.777	34.918	241.0	2.566					
2700.	2.752	34.916	241.6	2.537					
2750.	2.741	34.916	241.5	2.521					
2800.	2.726	34.915	241.7	2.502					



Station 20

Station : 21 Campagne : CITHER1
 Date : 07-01-93 Navire : L'ATALANTE
 Profondeur: 4947 m Organisme : IFREMER
 Position : S 4 29.93
 E 2 9.97

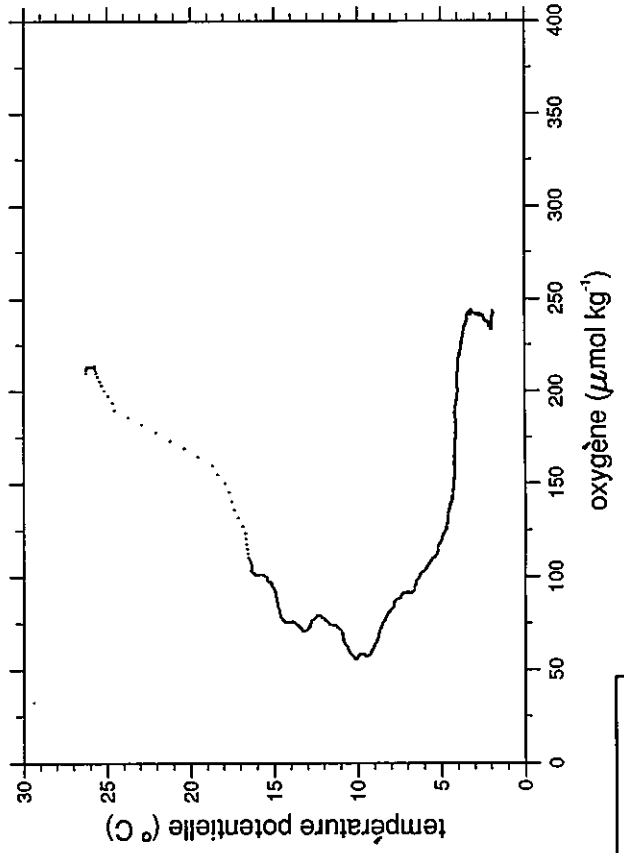
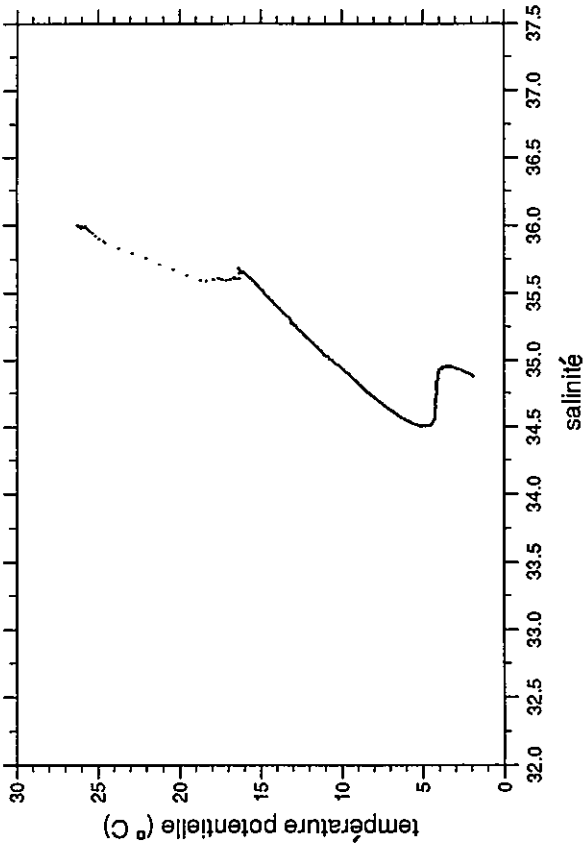
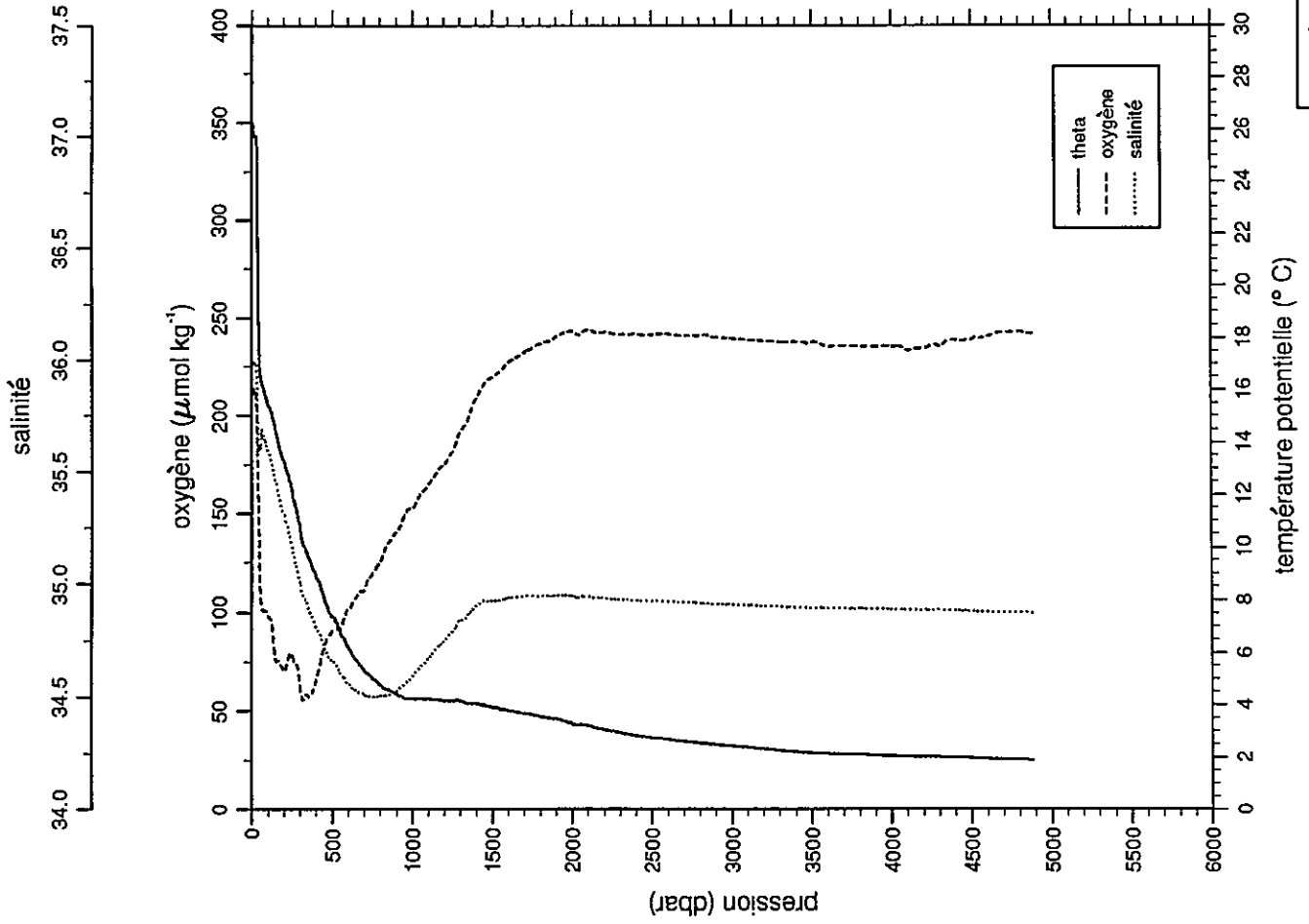
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.031	35.951	203.9	26.031	2850.	2.703	34.913	238.2	2.474
2.	26.056	35.947	201.9	26.056	2900.	2.684	34.911	238.4	2.451
3.	26.045	35.947	202.9	26.045	2950.	2.652	34.910	238.5	2.414
4.	26.039	35.949	202.9	26.039	3000.	2.630	34.908	238.8	2.387
5.	26.037	35.950	203.4	26.036	3050.	2.610	34.907	238.4	2.363
10.	26.023	35.953	203.2	26.021	3100.	2.597	34.907	238.3	2.345
20.	24.696	35.894	189.7	24.692	3150.	2.584	34.905	238.6	2.327
30.	22.631	35.777	159.7	22.625	3200.	2.573	34.904	238.8	2.310
40.	19.899	35.650	117.7	19.892	3250.	2.562	34.903	239.1	2.295
50.	17.472	35.615	81.8	17.463	3300.	2.541	34.902	239.3	2.269
100.	15.103	35.541	65.3	15.088	3350.	2.525	34.902	238.9	2.248
150.	14.592	35.478	77.8	14.570	3400.	2.508	34.901	237.6	2.226
200.	13.886	35.383	71.4	13.857	3450.	2.484	34.899	237.6	2.197
250.	12.542	35.214	60.0	12.509	3500.	2.466	34.898	239.4	2.174
300.	11.110	35.047	64.9	11.072	3550.	2.448	34.897	239.7	2.152
350.	10.017	34.928	51.5	9.976	3600.	2.438	34.896	239.4	2.136
400.	8.927	34.809	53.3	8.883	3650.	2.425	34.894	239.0	2.118
450.	7.921	34.711	61.6	7.875	3700.	2.424	34.895	237.6	2.111
500.	7.257	34.641	83.2	7.208	3750.	2.415	34.893	237.2	2.097
550.	6.787	34.609	84.1	6.735	3800.	2.410	34.892	236.4	2.087
600.	6.272	34.559	93.9	6.218	3850.	2.402	34.892	236.9	2.074
650.	5.717	34.522	108.9	5.661	3900.	2.397	34.892	234.9	2.063
700.	5.444	34.514	110.8	5.385	3950.	2.384	34.890	234.5	2.044
750.	5.082	34.501	118.6	5.020	4000.	2.369	34.889	233.2	2.025
800.	4.807	34.503	126.3	4.742	4050.	2.361	34.888	235.2	2.011
850.	4.591	34.515	134.4	4.523	4100.	2.358	34.887	236.1	2.002
900.	4.426	34.537	145.3	4.356	4150.	2.351	34.886	236.6	1.989
950.	4.345	34.565	150.7	4.271	4200.	2.345	34.885	236.8	1.978
1000.	4.273	34.612	159.1	4.195	4250.	2.338	34.884	236.6	1.965
1050.	4.308	34.661	167.0	4.226	4300.	2.338	34.883	237.9	1.960
1100.	4.275	34.712	172.9	4.188	4350.	2.340	34.883	237.2	1.956
1150.	4.220	34.749	178.7	4.130	4400.	2.332	34.882	236.8	1.942
1200.	4.185	34.793	186.2	4.090	4450.	2.332	34.881	237.3	1.936
1250.	4.145	34.830	194.3	4.046	4500.	2.329	34.880	238.1	1.927
1300.	4.149	34.865	202.5	4.045	4550.	2.323	34.879	239.0	1.915
1350.	4.144	34.890	209.6	4.036	4600.	2.322	34.879	239.2	1.908
1400.	4.158	34.915	216.2	4.045	4650.	2.325	34.878	239.6	1.905
1450.	4.097	34.925	221.9	3.981	4700.	2.327	34.877	240.0	1.900
1500.	4.093	34.935	224.6	3.972	4750.	2.327	34.876	240.4	1.894
1550.	4.046	34.939	226.7	3.920	4800.	2.326	34.876	240.7	1.888
1600.	3.964	34.943	228.8	3.835	4850.	2.323	34.874	241.1	1.879
1650.	3.892	34.947	230.3	3.760	4900.	2.322	34.874	241.8	1.871
1700.	3.807	34.952	233.3	3.670	4950.	2.327	34.874	241.7	1.870
1750.	3.757	34.950	234.5	3.617	4959.	2.328	34.874	241.6	1.869
1800.	3.691	34.950	235.6	3.547					
1850.	3.640	34.952	237.6	3.492					
1900.	3.592	34.953	238.9	3.440					
1950.	3.540	34.953	240.2	3.384					
2000.	3.426	34.941	236.5	3.267					
2050.	3.397	34.945	238.5	3.233					
2100.	3.318	34.940	238.3	3.151					
2150.	3.235	34.937	237.1	3.065					
2200.	3.175	34.935	237.2	3.001					
2250.	3.133	34.933	237.2	2.955					
2300.	3.080	34.930	237.5	2.898					
2350.	3.039	34.928	237.5	2.853					
2400.	2.977	34.926	237.4	2.787					
2450.	2.938	34.925	237.4	2.744					
2500.	2.899	34.922	237.8	2.701					
2550.	2.876	34.922	238.0	2.673					
2600.	2.860	34.921	238.4	2.653					
2650.	2.829	34.920	238.3	2.618					
2700.	2.793	34.918	238.5	2.577					
2750.	2.761	34.916	238.3	2.541					
2800.	2.726	34.915	238.2	2.502					



Station 21

Station : 22	Campagne : CITHER1
Date : 07-01-93	Navire : L'ATALANTE
Profondeur: 4850 m	Organisme : IFREMER
Position : S 4 30.02	
E 1 29.96	

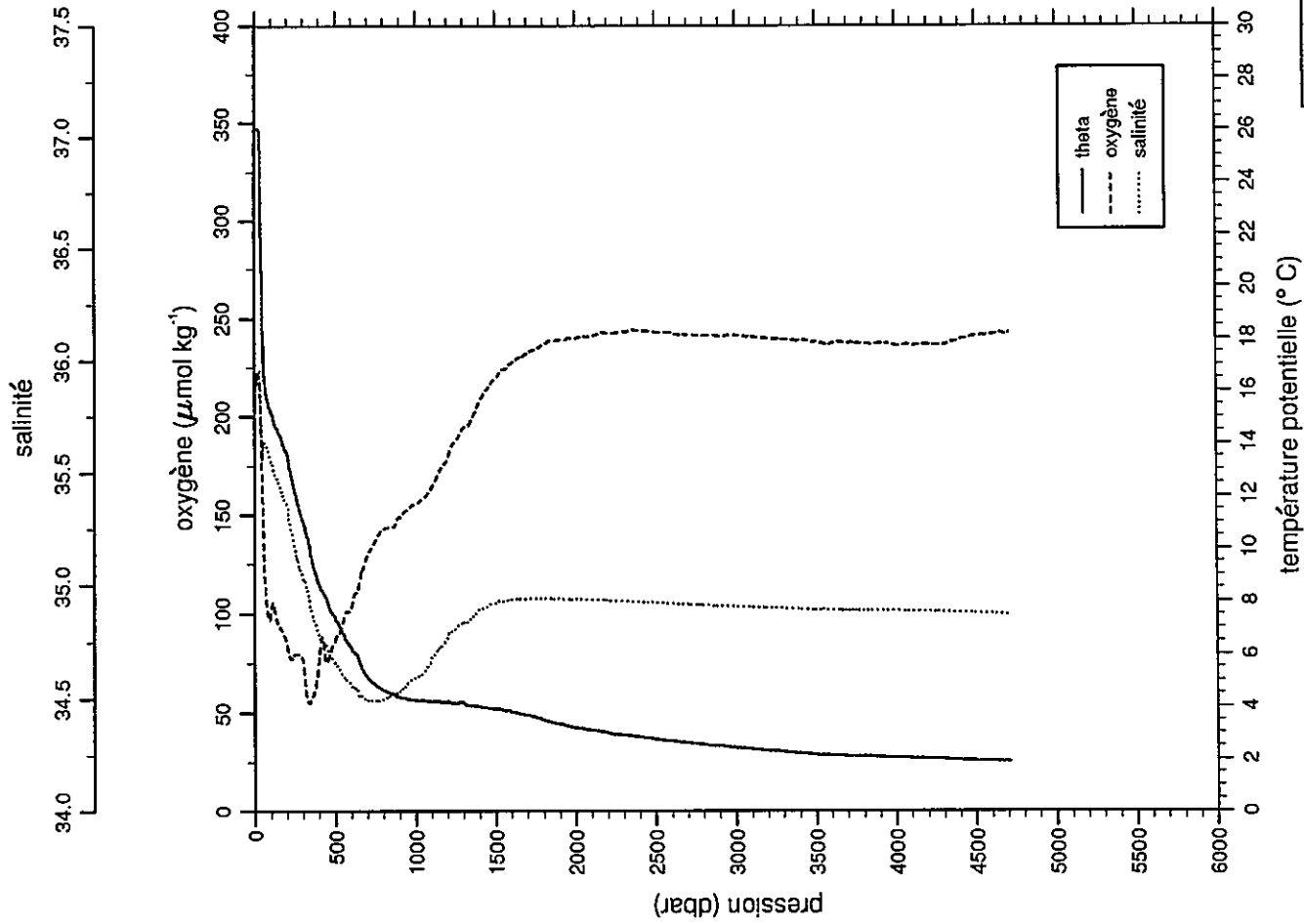
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.016	35.990	212.9	26.015	2850.	2.721	34.914	240.9	2.492
2.	26.232	36.001	209.5	26.231	2900.	2.699	34.911	240.1	2.465
3.	26.233	36.001	211.3	26.233	2950.	2.679	34.910	239.6	2.440
4.	26.222	35.999	212.1	26.221	3000.	2.669	34.911	239.5	2.425
5.	26.208	35.996	212.8	26.207	3050.	2.640	34.908	239.1	2.392
10.	25.821	35.988	212.9	25.819	3100.	2.615	34.906	238.7	2.362
20.	25.748	35.988	213.5	25.743	3150.	2.590	34.905	238.3	2.333
30.	25.167	35.921	200.3	25.160	3200.	2.562	34.903	238.3	2.300
40.	18.706	35.593	159.6	18.699	3250.	2.544	34.902	237.9	2.277
50.	16.638	35.615	117.3	16.629	3300.	2.504	34.900	237.7	2.233
100.	15.415	35.584	98.8	15.400	3350.	2.487	34.899	237.6	2.211
150.	14.376	35.445	75.8	14.354	3400.	2.471	34.897	237.7	2.190
200.	13.262	35.312	70.4	13.234	3450.	2.456	34.896	237.6	2.170
250.	12.179	35.168	78.4	12.146	3500.	2.437	34.895	237.3	2.146
300.	10.754	35.001	63.4	10.718	3550.	2.431	34.895	237.2	2.135
350.	9.624	34.896	58.0	9.584	3600.	2.425	34.895	235.5	2.124
400.	8.881	34.812	65.8	8.837	3650.	2.414	34.894	235.6	2.107
450.	8.095	34.722	82.1	8.048	3700.	2.407	34.893	235.6	2.095
500.	7.375	34.657	90.7	7.326	3750.	2.406	34.893	235.7	2.089
550.	6.846	34.611	91.6	6.794	3800.	2.408	34.893	235.4	2.085
600.	6.237	34.562	102.1	6.183	3850.	2.401	34.892	235.4	2.073
650.	5.762	34.531	107.5	5.705	3900.	2.391	34.891	235.4	2.057
700.	5.362	34.508	111.3	5.303	3950.	2.381	34.890	235.6	2.042
750.	5.062	34.502	119.3	5.001	4000.	2.375	34.889	235.5	2.030
800.	4.793	34.503	125.4	4.729	4050.	2.374	34.889	235.5	2.024
850.	4.629	34.509	134.8	4.562	4100.	2.364	34.888	233.5	2.008
900.	4.476	34.524	140.2	4.405	4150.	2.363	34.887	234.3	2.001
950.	4.320	34.554	148.7	4.246	4200.	2.362	34.887	234.7	1.995
1000.	4.298	34.590	152.4	4.220	4250.	2.357	34.886	235.9	1.984
1050.	4.298	34.632	159.7	4.215	4300.	2.360	34.885	235.6	1.981
1100.	4.306	34.674	164.6	4.219	4350.	2.352	34.885	238.0	1.968
1150.	4.272	34.714	170.5	4.181	4400.	2.352	34.884	238.9	1.962
1200.	4.219	34.747	175.0	4.124	4450.	2.354	34.884	238.2	1.957
1250.	4.227	34.791	181.2	4.128	4500.	2.357	34.883	238.8	1.955
1300.	4.232	34.835	191.8	4.128	4550.	2.351	34.881	239.7	1.942
1350.	4.136	34.867	198.2	4.028	4600.	2.346	34.880	240.2	1.932
1400.	4.136	34.903	208.6	4.023	4650.	2.328	34.878	241.8	1.908
1450.	4.105	34.925	216.0	3.988	4700.	2.330	34.878	242.6	1.904
1500.	4.007	34.925	219.5	3.887	4750.	2.335	34.877	242.8	1.902
1550.	3.939	34.924	222.4	3.815	4800.	2.336	34.876	243.2	1.898
1600.	3.900	34.939	227.2	3.772	4850.	2.334	34.876	242.1	1.889
1650.	3.840	34.942	229.6	3.708	4884.	2.315	34.874	242.8	1.866
1700.	3.793	34.946	232.4	3.657					
1750.	3.745	34.948	234.7	3.605					
1800.	3.681	34.947	236.5	3.537					
1850.	3.630	34.947	237.8	3.482					
1900.	3.602	34.953	240.2	3.450					
1950.	3.509	34.950	242.3	3.354					
2000.	3.423	34.945	243.3	3.264					
2050.	3.372	34.943	241.5	3.209					
2100.	3.354	34.946	243.9	3.187					
2150.	3.275	34.940	242.5	3.104					
2200.	3.208	34.939	242.6	3.034					
2250.	3.157	34.934	242.0	2.979					
2300.	3.109	34.932	241.6	2.926					
2350.	3.046	34.929	241.4	2.860					
2400.	3.006	34.927	241.8	2.816					
2450.	2.961	34.926	240.9	2.766					
2500.	2.926	34.924	241.2	2.727					
2550.	2.914	34.925	241.9	2.710					
2600.	2.870	34.922	241.8	2.662					
2650.	2.830	34.920	241.3	2.618					
2700.	2.798	34.918	240.7	2.583					
2750.	2.782	34.918	240.9	2.562					
2800.	2.748	34.916	240.8	2.523					



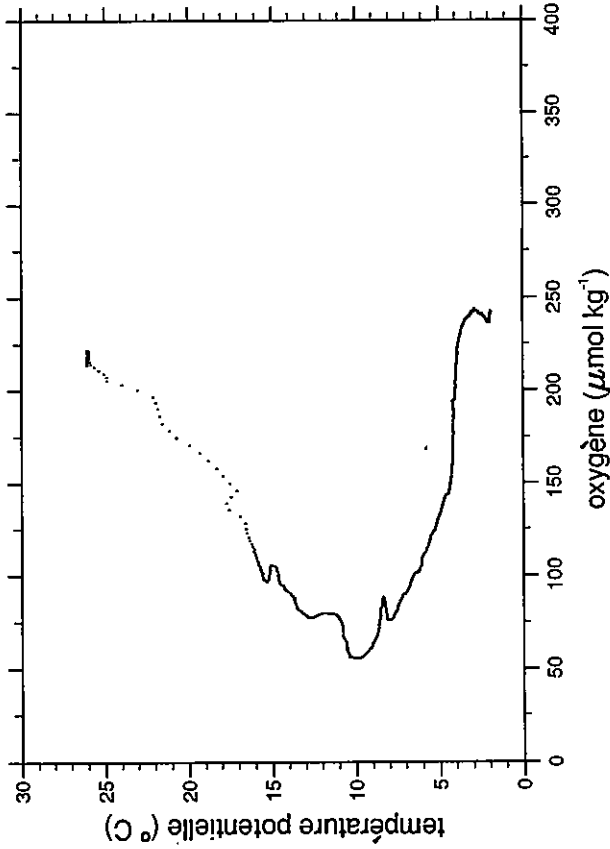
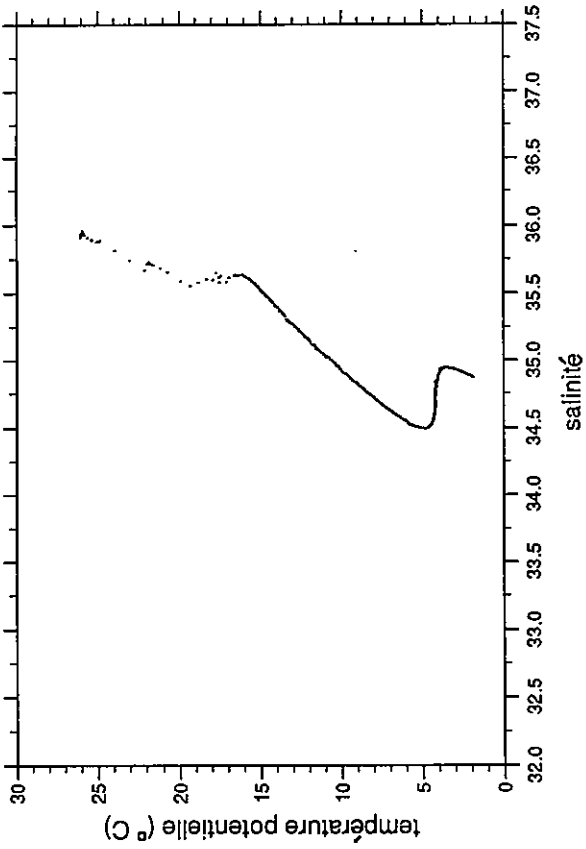
Station 22

Station	: 23	Campagne	: CITHER1
Date	: 08-01-93	Navire	: L'ATALANTE
Profondeur	: 4663 m	Organisme	: IFREMER
Position	: S 4 30.02		
	E 0 49.98		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.040	35.908	217.1	26.040	2850.	2.724	34.910	241.0	2.495
2.	26.036	35.908	213.7	26.036	2900.	2.704	34.909	240.8	2.470
3.	26.037	35.908	213.7	26.036	2950.	2.682	34.908	241.3	2.443
4.	26.037	35.907	214.1	26.036	3000.	2.653	34.907	241.4	2.410
5.	26.037	35.908	215.2	26.036	3050.	2.631	34.905	240.7	2.383
10.	26.042	35.908	221.0	26.040	3100.	2.608	34.903	240.7	2.355
20.	26.013	35.932	222.0	26.008	3150.	2.585	34.902	240.1	2.328
30.	25.809	35.926	214.2	25.803	3200.	2.556	34.900	239.7	2.294
40.	21.849	35.733	190.0	21.841	3250.	2.541	34.899	239.6	2.275
50.	17.528	35.580	149.9	17.520	3300.	2.525	34.898	239.2	2.253
100.	15.162	35.548	101.5	15.146	3350.	2.509	34.897	239.1	2.232
150.	14.357	35.446	94.3	14.335	3400.	2.492	34.896	239.0	2.211
200.	13.581	35.346	83.7	13.553	3450.	2.457	34.894	238.8	2.171
250.	12.096	35.162	79.8	12.063	3500.	2.438	34.892	238.1	2.147
300.	10.995	35.026	75.7	10.958	3550.	2.434	34.893	237.3	2.138
350.	9.666	34.894	56.3	9.626	3600.	2.419	34.890	237.3	2.117
400.	8.592	34.776	78.4	8.550	3650.	2.412	34.890	238.1	2.105
450.	8.006	34.719	75.8	7.960	3700.	2.409	34.889	237.8	2.097
500.	7.345	34.654	87.2	7.296	3750.	2.411	34.889	237.8	2.093
550.	6.778	34.604	96.8	6.726	3800.	2.406	34.889	237.4	2.083
600.	6.255	34.562	103.2	6.201	3850.	2.404	34.889	237.1	2.076
650.	5.723	34.519	116.0	5.666	3900.	2.389	34.887	237.5	2.055
700.	5.181	34.496	129.8	5.123	3950.	2.387	34.887	237.5	2.048
750.	4.900	34.492	137.0	4.839	4000.	2.390	34.888	236.5	2.045
800.	4.700	34.498	142.7	4.637	4050.	2.386	34.886	236.5	2.035
850.	4.559	34.515	143.5	4.492	4100.	2.377	34.886	236.4	2.021
900.	4.438	34.535	148.9	4.367	4150.	2.369	34.885	236.7	2.007
950.	4.371	34.567	152.7	4.297	4200.	2.366	34.884	236.8	1.999
1000.	4.332	34.590	155.7	4.254	4250.	2.361	34.883	236.6	1.988
1050.	4.315	34.620	158.5	4.233	4300.	2.357	34.883	236.8	1.978
1100.	4.276	34.672	163.9	4.189	4350.	2.353	34.882	238.1	1.968
1150.	4.279	34.727	172.3	4.188	4400.	2.343	34.880	239.4	1.952
1200.	4.280	34.776	178.5	4.185	4450.	2.338	34.879	240.2	1.942
1250.	4.211	34.806	187.5	4.112	4500.	2.330	34.878	241.0	1.928
1300.	4.277	34.841	194.3	4.172	4550.	2.327	34.878	241.5	1.919
1350.	4.141	34.859	198.5	4.033	4600.	2.327	34.876	241.9	1.913
1400.	4.112	34.893	207.8	4.000	4650.	2.316	34.874	242.5	1.896
1450.	4.059	34.906	214.0	3.943	4700.	2.314	34.872	242.4	1.888
1500.	4.012	34.920	219.4	3.892	4708.	2.312	34.872	242.6	1.885
1550.	3.969	34.927	224.1	3.845					
1600.	3.925	34.936	227.0	3.796					
1650.	3.854	34.939	230.1	3.722					
1700.	3.799	34.942	232.3	3.663					
1750.	3.730	34.943	234.4	3.590					
1800.	3.618	34.941	236.9	3.475					
1850.	3.534	34.940	238.4	3.388					
1900.	3.475	34.941	239.1	3.325					
1950.	3.409	34.939	239.6	3.255					
2000.	3.343	34.938	239.7	3.185					
2050.	3.298	34.937	240.9	3.137					
2100.	3.266	34.936	241.2	3.100					
2150.	3.217	34.937	242.4	3.047					
2200.	3.167	34.933	242.5	2.993					
2250.	3.112	34.931	242.4	2.935					
2300.	3.089	34.930	243.0	2.907					
2350.	3.076	34.930	243.8	2.889					
2400.	3.018	34.927	243.4	2.827					
2450.	2.992	34.925	243.3	2.798					
2500.	2.943	34.922	242.9	2.744					
2550.	2.906	34.921	242.7	2.703					
2600.	2.872	34.918	242.5	2.665					
2650.	2.834	34.917	241.6	2.622					
2700.	2.816	34.915	241.5	2.600					
2750.	2.786	34.913	241.2	2.565					
2800.	2.755	34.912	241.2	2.530					

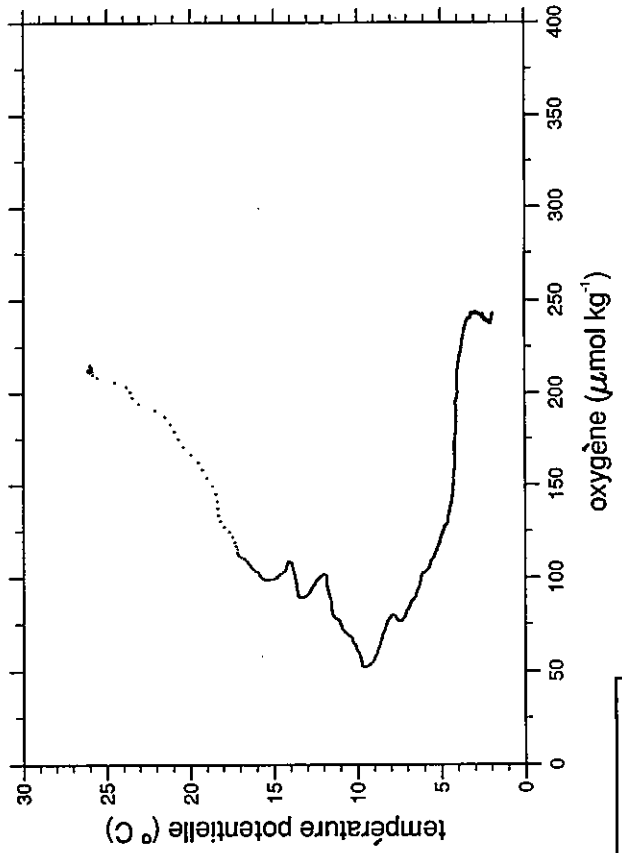
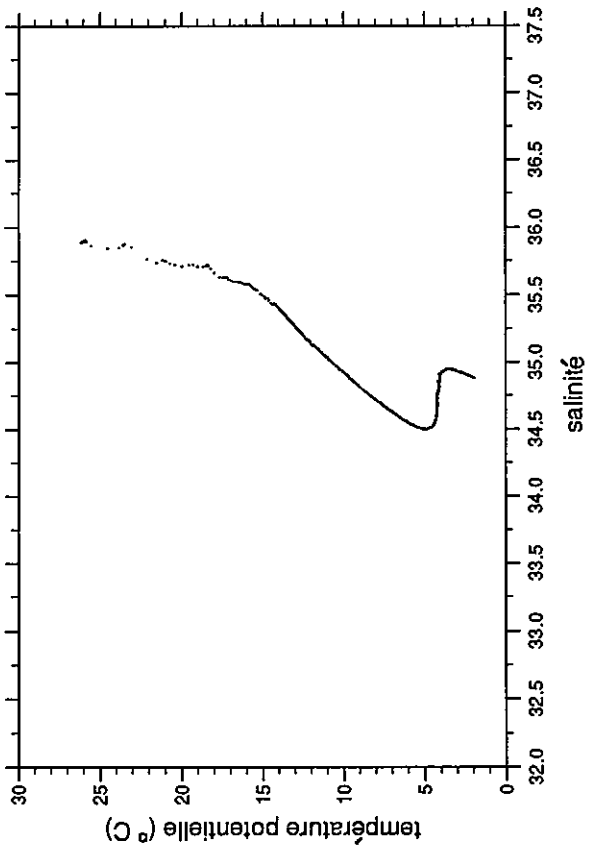
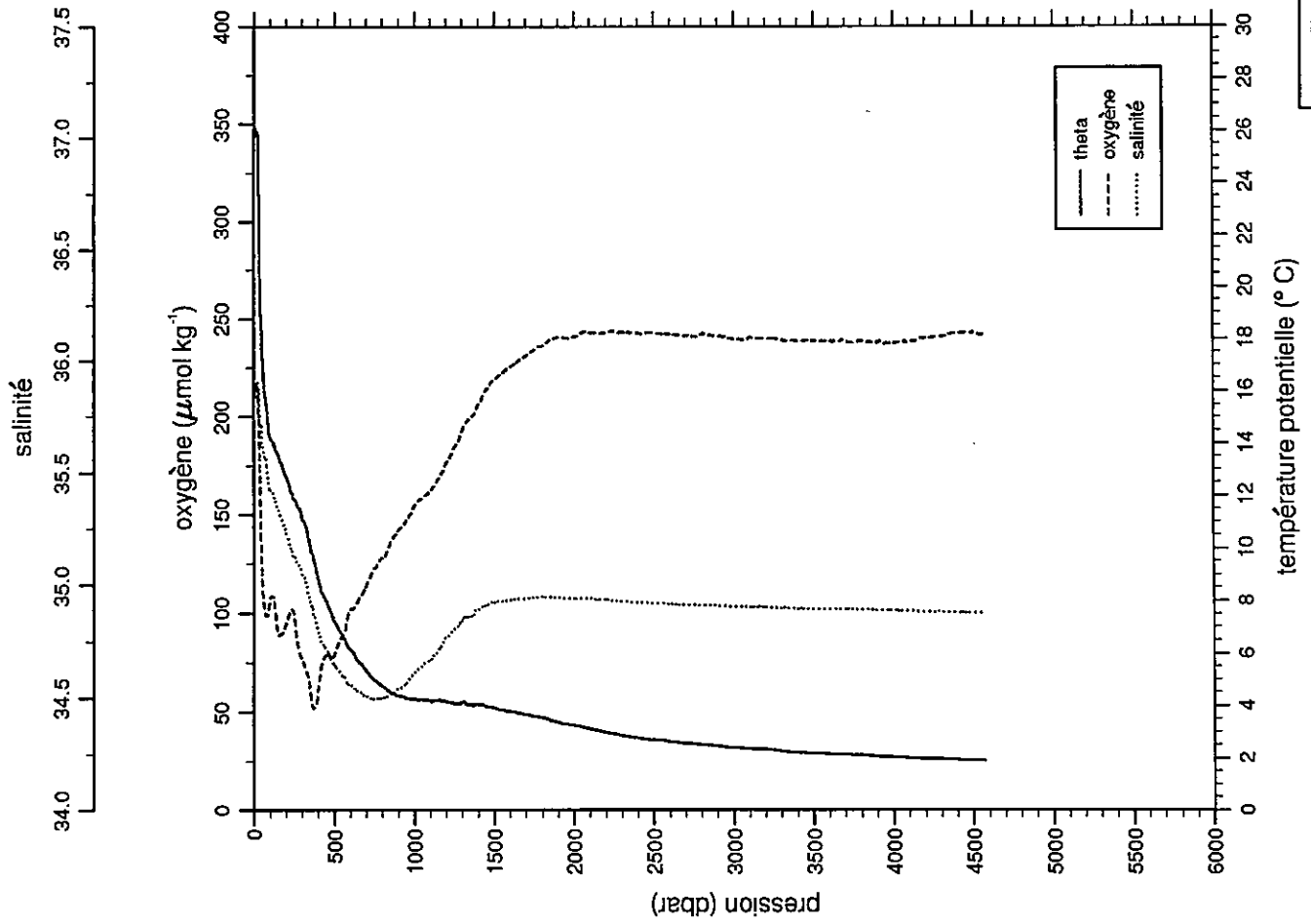


Station 23



Station : 24	Campagne : CITHER1
Date : 08-01-93	Navire : L'ATALANTE
Profondeur: 4539 m	Organisme : IFREMER
Position : S 4 30.00	
E 0 9.91	

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.013	35.891	213.1	26.013	2850.	2.701	34.911	241.6	2.472
2.	26.027	35.895	211.0	26.027	2900.	2.685	34.909	241.1	2.451
3.	26.091	35.894	211.8	26.090	2950.	2.640	34.906	240.4	2.402
4.	26.113	35.886	212.4	26.112	3000.	2.625	34.906	239.6	2.382
5.	26.047	35.885	212.4	26.045	3050.	2.608	34.904	239.4	2.360
10.	25.973	35.892	214.1	25.971	3100.	2.595	34.904	240.3	2.343
20.	25.927	35.896	214.6	25.923	3150.	2.592	34.904	239.8	2.335
30.	23.071	35.850	194.1	23.065	3200.	2.590	34.903	239.8	2.327
40.	19.009	35.710	153.7	19.001	3250.	2.560	34.900	239.8	2.293
50.	17.340	35.627	119.1	17.331	3300.	2.517	34.898	239.3	2.245
100.	14.201	35.427	107.1	14.186	3350.	2.497	34.897	238.8	2.221
150.	13.554	35.344	90.0	13.532	3400.	2.478	34.895	238.7	2.196
200.	12.708	35.234	95.0	12.681	3450.	2.463	34.895	238.9	2.177
250.	11.872	35.128	99.1	11.839	3500.	2.450	34.895	238.8	2.159
300.	11.120	35.045	76.6	11.083	3550.	2.451	34.895	238.4	2.155
350.	10.069	34.929	61.2	10.028	3600.	2.448	34.894	238.9	2.146
400.	8.812	34.795	61.1	8.768	3650.	2.448	34.894	238.6	2.140
450.	8.031	34.720	79.4	7.985	3700.	2.439	34.893	238.6	2.127
500.	7.231	34.648	79.1	7.182	3750.	2.438	34.892	238.1	2.120
550.	6.716	34.601	88.2	6.664	3800.	2.428	34.891	238.9	2.105
600.	6.173	34.556	102.0	6.119	3850.	2.413	34.890	238.1	2.085
650.	5.721	34.525	106.8	5.665	3900.	2.384	34.888	237.9	2.051
700.	5.367	34.504	114.1	5.308	3950.	2.380	34.888	237.4	2.041
750.	5.023	34.497	122.9	4.962	4000.	2.368	34.887	237.8	2.023
800.	4.812	34.501	127.8	4.748	4050.	2.357	34.886	237.9	2.007
850.	4.570	34.513	135.7	4.503	4100.	2.345	34.884	238.2	1.989
900.	4.433	34.538	142.0	4.362	4150.	2.341	34.883	239.0	1.980
950.	4.365	34.564	146.9	4.291	4200.	2.339	34.882	240.1	1.972
1000.	4.329	34.612	154.2	4.251	4250.	2.337	34.882	240.5	1.965
1050.	4.295	34.642	158.3	4.212	4300.	2.340	34.881	240.9	1.962
1100.	4.277	34.674	162.1	4.190	4350.	2.326	34.880	242.0	1.942
1150.	4.291	34.710	168.0	4.199	4400.	2.321	34.879	242.7	1.931
1200.	4.254	34.766	176.3	4.158	4450.	2.323	34.878	242.8	1.927
1250.	4.185	34.805	184.1	4.086	4500.	2.320	34.878	243.0	1.919
1300.	4.217	34.844	192.8	4.113	4550.	2.312	34.877	241.8	1.905
1350.	4.130	34.861	199.5	4.022	4569.	2.312	34.876	241.7	1.902
1400.	4.158	34.891	205.9	4.046					
1450.	4.099	34.913	213.7	3.983					
1500.	4.045	34.923	218.8	3.925					
1550.	3.959	34.929	221.7	3.835					
1600.	3.912	34.935	225.3	3.783					
1650.	3.853	34.938	228.1	3.721					
1700.	3.799	34.940	231.0	3.663					
1750.	3.734	34.944	234.0	3.594					
1800.	3.688	34.947	236.1	3.544					
1850.	3.593	34.947	239.0	3.446					
1900.	3.511	34.946	240.6	3.361					
1950.	3.442	34.941	240.1	3.288					
2000.	3.399	34.941	240.7	3.240					
2050.	3.352	34.943	242.7	3.189					
2100.	3.275	34.940	242.8	3.109					
2150.	3.220	34.938	242.4	3.050					
2200.	3.148	34.934	242.9	2.975					
2250.	3.103	34.931	243.5	2.926					
2300.	3.033	34.929	243.1	2.852					
2350.	2.989	34.926	243.0	2.804					
2400.	2.947	34.923	242.4	2.758					
2450.	2.913	34.922	242.6	2.720					
2500.	2.888	34.920	242.4	2.690					
2550.	2.866	34.919	242.2	2.663					
2600.	2.813	34.916	242.0	2.607					
2650.	2.789	34.916	241.7	2.579					
2700.	2.761	34.914	241.1	2.546					
2750.	2.750	34.913	240.7	2.530					
2800.	2.726	34.911	242.0	2.502					



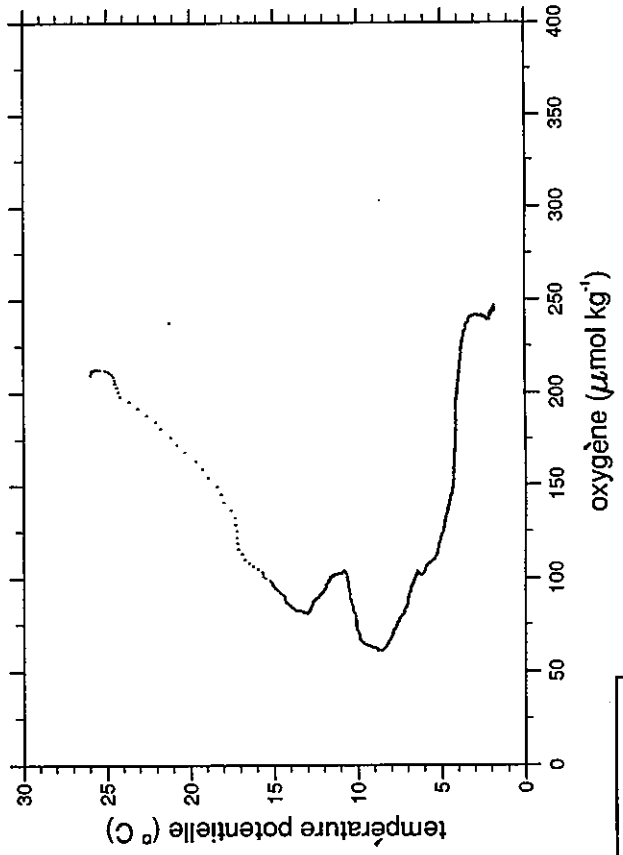
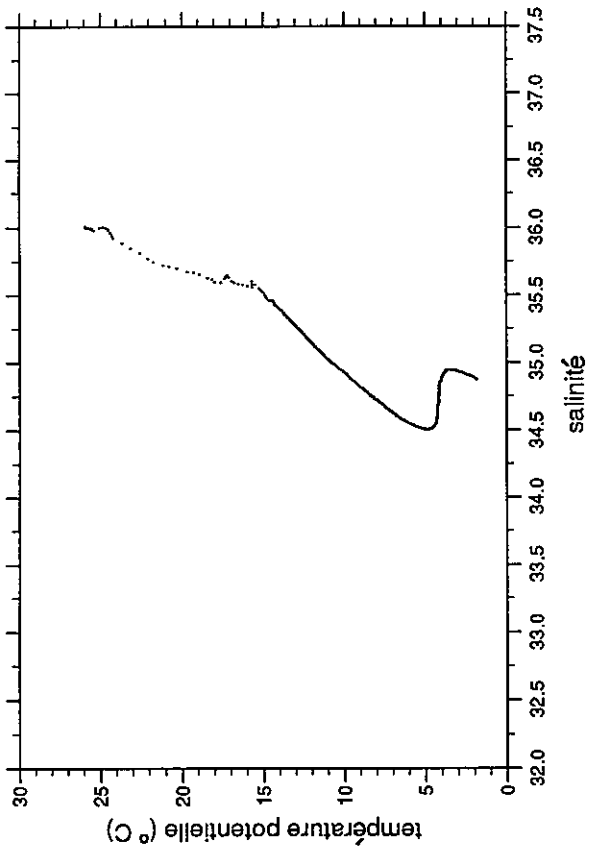
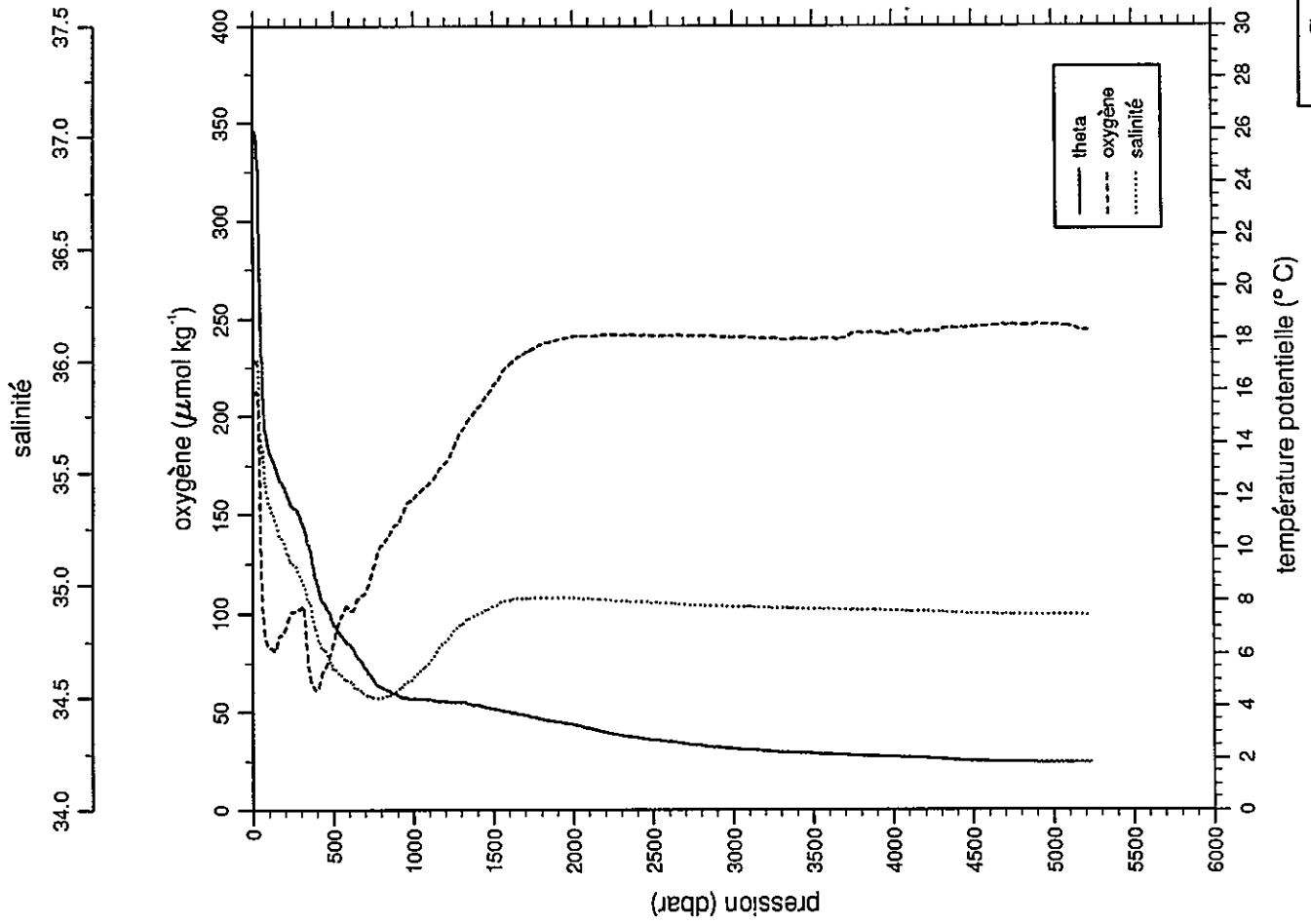
Station 24

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| Station   : 25           Campagne  : CITHER1
| Date      : 08-01-93    Navire    : L'ATALANTE
| Profondeur: 5201 m      Organisme : IFREMER
| Position  : S  4 30.06
|            W  0 29.98
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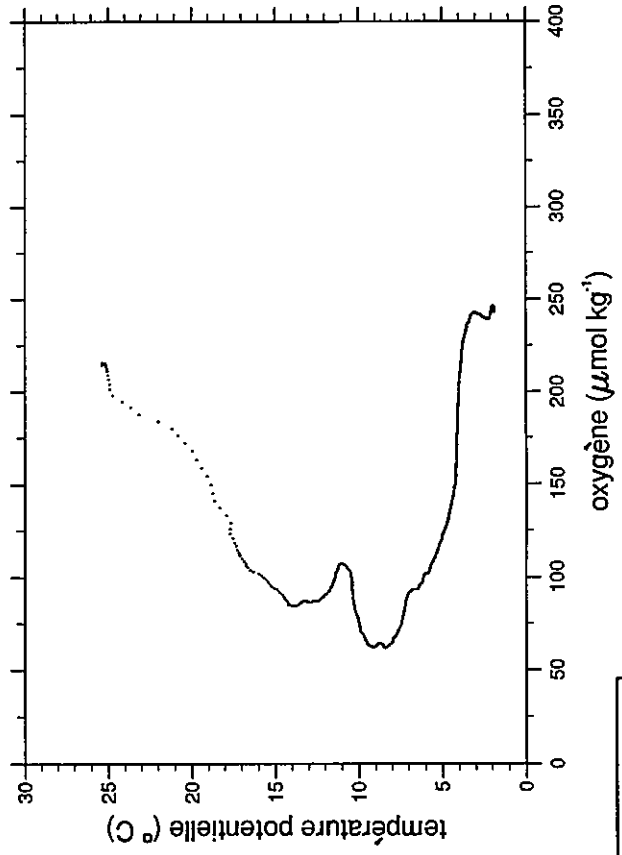
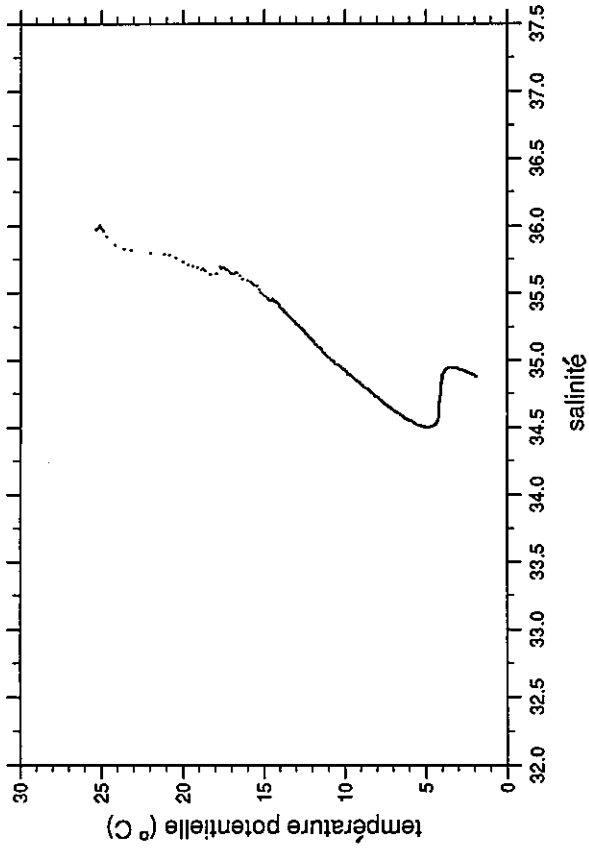
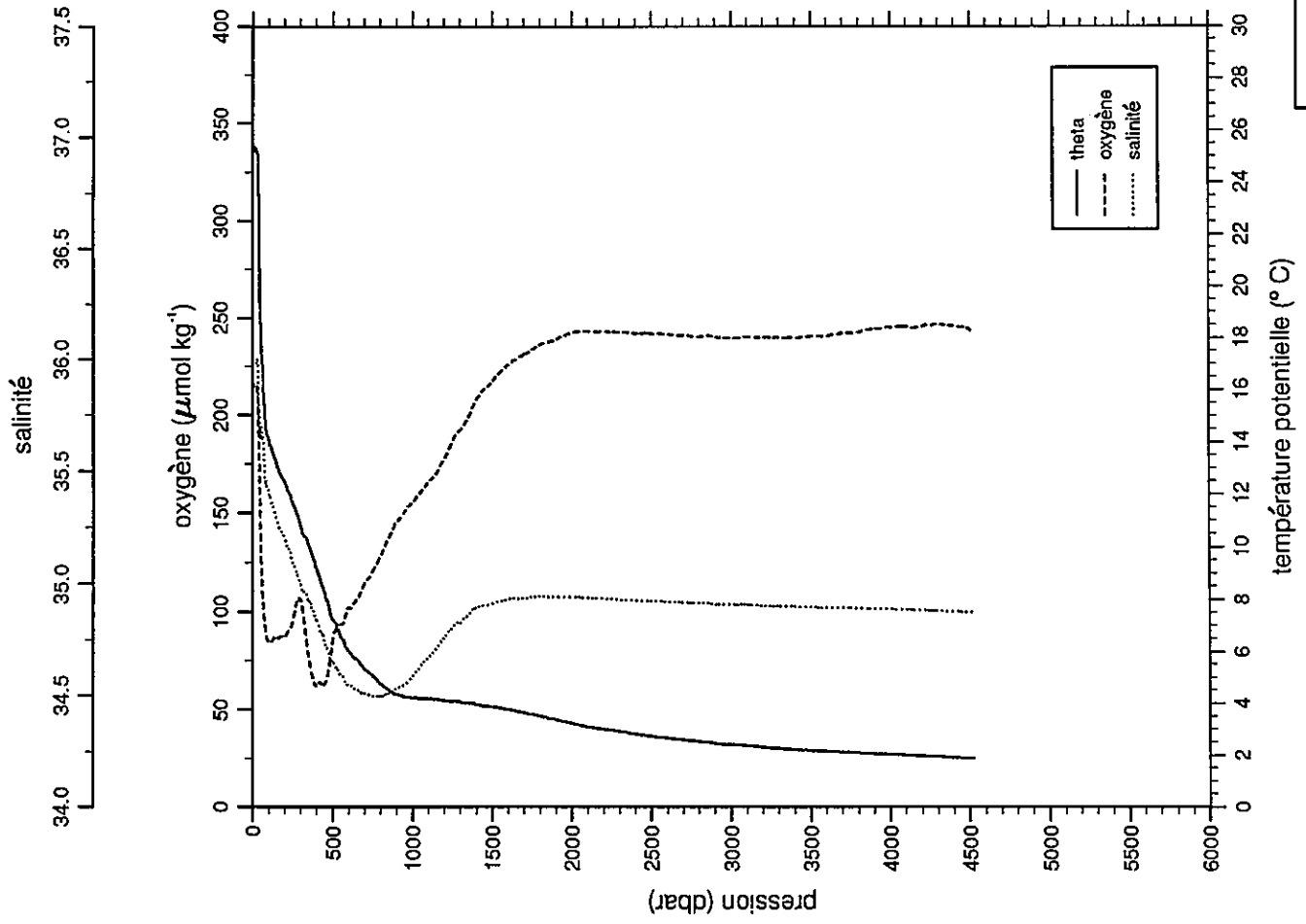
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.898	36.003	211.7	25.898	2850.	2.645	34.908	241.3	2.417
2.	25.928	36.007	209.4	25.928	2900.	2.627	34.907	240.8	2.394
3.	25.930	36.007	210.2	25.930	2950.	2.607	34.907	240.6	2.370
4.	25.932	36.007	210.8	25.931	3000.	2.582	34.905	240.3	2.340
5.	25.931	36.007	211.3	25.930	3050.	2.562	34.904	240.4	2.315
10.	25.863	35.995	211.8	25.860	3100.	2.549	34.903	240.4	2.298
20.	25.574	35.996	212.6	25.570	3150.	2.545	34.903	239.9	2.289
30.	24.383	35.960	203.0	24.377	3200.	2.525	34.901	239.8	2.264
40.	20.306	35.698	167.8	20.298	3250.	2.500	34.900	239.7	2.234
50.	17.240	35.643	125.1	17.232	3300.	2.486	34.899	239.5	2.215
100.	13.636	35.359	82.3	13.622	3350.	2.477	34.899	239.1	2.201
150.	12.846	35.251	84.1	12.825	3400.	2.472	34.898	239.4	2.191
200.	12.157	35.163	92.1	12.131	3450.	2.463	34.897	239.5	2.177
250.	11.547	35.090	100.8	11.515	3500.	2.453	34.897	239.1	2.162
300.	11.002	35.025	102.6	10.965	3550.	2.441	34.896	240.0	2.145
350.	9.989	34.923	70.8	9.948	3600.	2.433	34.895	240.0	2.131
400.	8.606	34.782	60.9	8.563	3650.	2.427	34.894	239.3	2.120
450.	7.835	34.704	72.4	7.790	3700.	2.413	34.893	240.0	2.101
500.	7.117	34.632	85.2	7.069	3750.	2.409	34.892	242.2	2.092
550.	6.714	34.601	98.4	6.663	3800.	2.397	34.891	242.9	2.075
600.	6.395	34.576	102.0	6.341	3850.	2.390	34.890	242.9	2.062
650.	5.906	34.543	107.1	5.849	3900.	2.384	34.890	242.6	2.050
700.	5.475	34.518	110.5	5.416	3950.	2.378	34.889	241.8	2.039
750.	5.065	34.502	123.0	5.003	4000.	2.376	34.888	243.0	2.031
800.	4.782	34.500	134.0	4.718	4050.	2.370	34.887	243.8	2.019
850.	4.619	34.511	140.0	4.552	4100.	2.366	34.887	242.0	2.010
900.	4.466	34.533	145.0	4.395	4150.	2.354	34.885	243.4	1.992
950.	4.364	34.567	154.0	4.290	4200.	2.348	34.884	243.4	1.981
1000.	4.334	34.592	158.2	4.255	4250.	2.336	34.883	243.9	1.964
1050.	4.329	34.625	162.3	4.246	4300.	2.330	34.882	244.0	1.952
1100.	4.308	34.667	166.2	4.221	4350.	2.308	34.879	245.0	1.924
1150.	4.263	34.708	171.4	4.172	4400.	2.293	34.878	245.1	1.904
1200.	4.254	34.753	176.4	4.159	4450.	2.275	34.876	245.3	1.881
1250.	4.226	34.799	183.9	4.127	4500.	2.271	34.875	245.7	1.870
1300.	4.239	34.829	192.5	4.135	4550.	2.270	34.875	245.9	1.864
1350.	4.177	34.852	198.8	4.068	4600.	2.267	34.873	246.0	1.855
1400.	4.135	34.872	204.0	4.023	4650.	2.261	34.872	246.3	1.843
1450.	4.057	34.889	209.8	3.940	4700.	2.263	34.872	247.1	1.839
1500.	3.997	34.907	215.7	3.877	4750.	2.269	34.872	246.9	1.839
1550.	3.933	34.924	221.8	3.809	4800.	2.271	34.870	246.5	1.834
1600.	3.880	34.932	226.3	3.752	4850.	2.277	34.871	246.9	1.834
1650.	3.824	34.937	230.3	3.692	4900.	2.280	34.870	247.3	1.831
1700.	3.766	34.940	232.7	3.630	4950.	2.286	34.870	246.7	1.830
1750.	3.678	34.941	234.7	3.539	5000.	2.290	34.870	246.8	1.828
1800.	3.615	34.942	236.7	3.472	5050.	2.296	34.870	246.4	1.827
1850.	3.554	34.941	237.8	3.407	5100.	2.302	34.870	246.3	1.827
1900.	3.517	34.942	238.9	3.366	5150.	2.309	34.870	245.1	1.827
1950.	3.463	34.941	240.1	3.308	5200.	2.315	34.870	244.2	1.827
2000.	3.421	34.941	240.9	3.262	5233.	2.320	34.870	243.6	1.827
2050.	3.361	34.939	241.2	3.198					
2100.	3.285	34.938	241.1	3.119					
2150.	3.220	34.936	241.3	3.050					
2200.	3.149	34.933	241.8	2.976					
2250.	3.098	34.930	241.7	2.921					
2300.	3.038	34.928	241.5	2.857					
2350.	2.995	34.927	241.7	2.810					
2400.	2.957	34.924	241.1	2.767					
2450.	2.910	34.924	241.7	2.716					
2500.	2.870	34.921	241.3	2.672					
2550.	2.844	34.919	241.1	2.642					
2600.	2.824	34.918	241.4	2.617					
2650.	2.782	34.915	241.8	2.572					
2700.	2.748	34.914	241.3	2.533					
2750.	2.711	34.911	241.0	2.492					
2800.	2.688	34.910	241.1	2.464					



Station 25

Station	: 26	Campagne	: CITHER1
Date	: 09-01-93	Navire	: L'ATALANTE
Profondeur	: 4517 m	Organisme	: IFREMER
Position	: S 4 29.93		
	W 1 10.06		

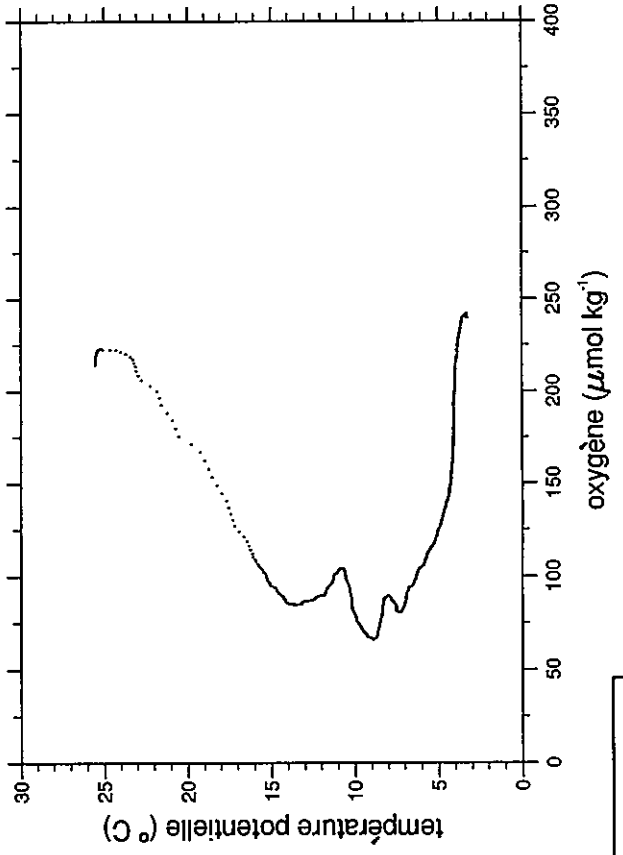
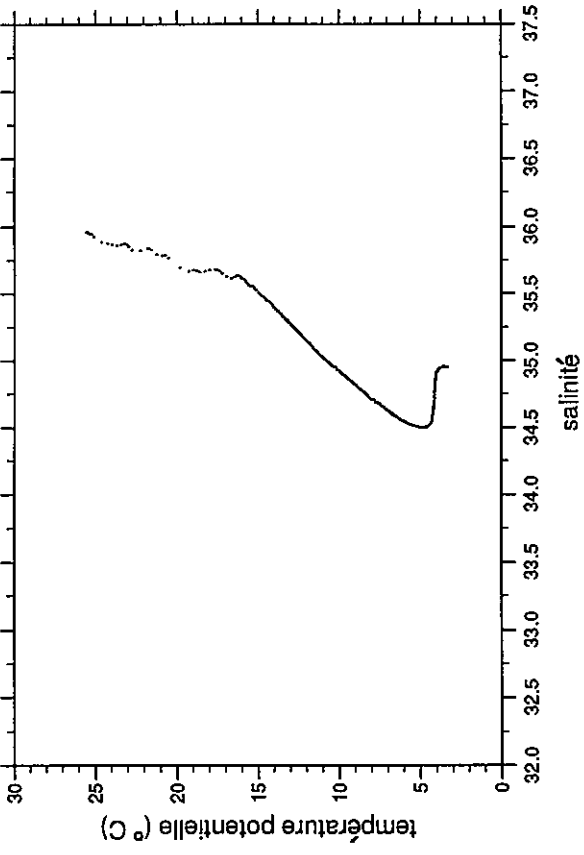
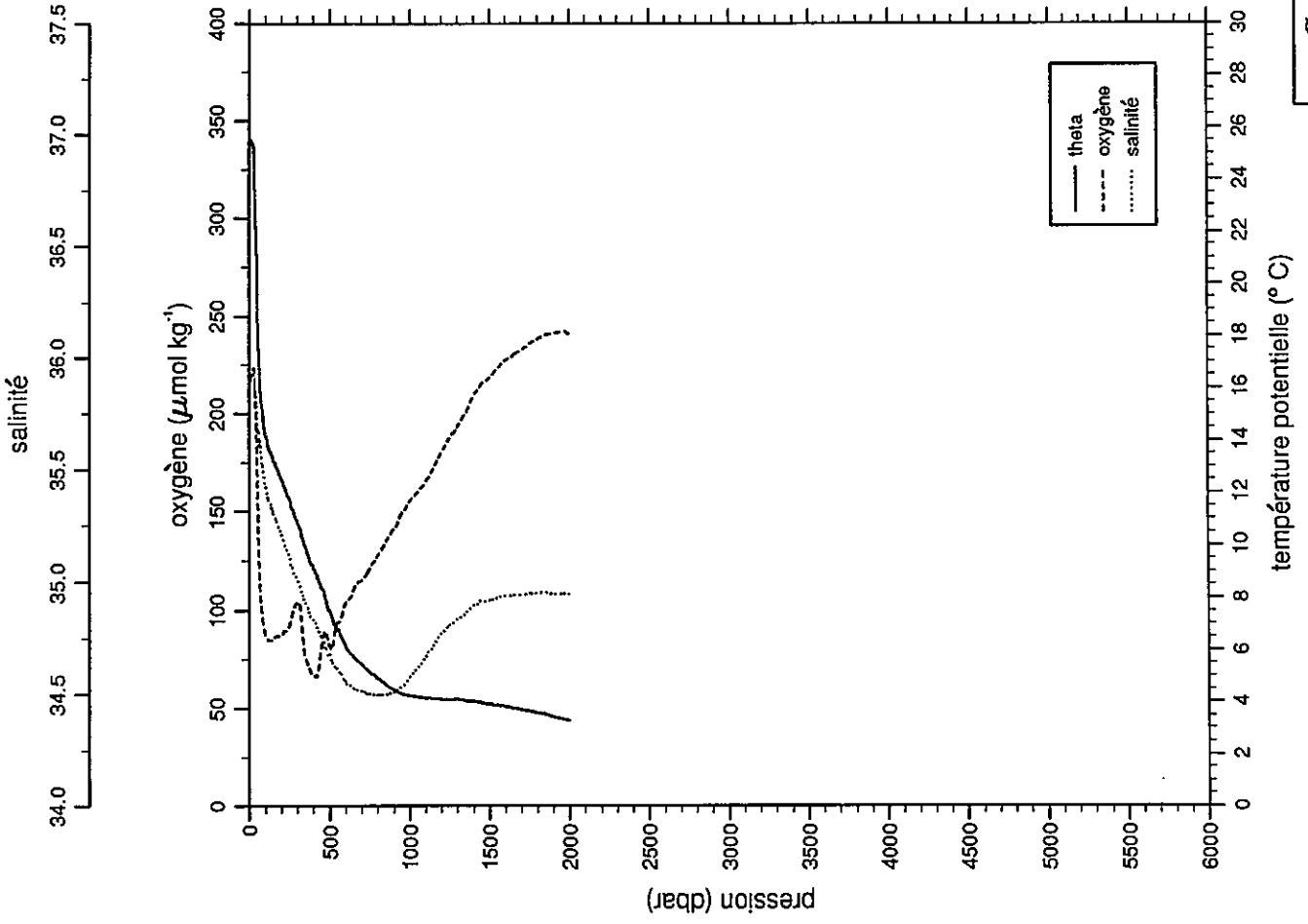
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.345	35.970	214.6	25.345	2850.	2.709	34.913	240.8	2.480
2.	25.348	35.969	215.9	25.348	2900.	2.676	34.910	240.0	2.443
3.	25.349	35.969	215.3	25.348	2950.	2.651	34.909	239.5	2.413
4.	25.349	35.970	215.0	25.348	3000.	2.636	34.907	239.7	2.394
5.	25.349	35.970	215.0	25.347	3050.	2.621	34.907	239.5	2.373
10.	25.343	35.970	215.3	25.340	3100.	2.608	34.906	240.2	2.355
20.	25.240	35.980	215.5	25.236	3150.	2.590	34.905	239.8	2.332
30.	25.007	35.984	209.3	25.000	3200.	2.564	34.903	239.7	2.302
40.	20.832	35.785	176.1	20.824	3250.	2.537	34.901	239.6	2.271
50.	17.909	35.643	133.2	17.901	3300.	2.520	34.900	239.6	2.249
100.	14.035	35.400	84.6	14.020	3350.	2.507	34.899	239.5	2.230
150.	13.113	35.284	86.9	13.092	3400.	2.490	34.899	239.4	2.209
200.	12.445	35.201	87.3	12.418	3450.	2.472	34.897	239.9	2.185
250.	11.610	35.093	95.7	11.578	3500.	2.460	34.896	240.4	2.169
300.	10.766	34.995	105.9	10.729	3550.	2.450	34.895	240.5	2.154
350.	10.073	34.933	76.9	10.032	3600.	2.447	34.895	240.6	2.145
400.	9.164	34.833	61.8	9.119	3650.	2.442	34.894	241.2	2.135
450.	8.268	34.744	62.9	8.221	3700.	2.432	34.894	242.0	2.119
500.	7.256	34.647	85.6	7.208	3750.	2.423	34.892	242.2	2.105
550.	6.600	34.591	93.3	6.549	3800.	2.403	34.891	242.3	2.080
600.	6.040	34.549	102.0	5.987	3850.	2.392	34.890	243.6	2.064
650.	5.743	34.529	106.3	5.687	3900.	2.383	34.889	244.2	2.050
700.	5.355	34.508	114.2	5.297	3950.	2.378	34.888	244.6	2.039
750.	5.116	34.499	120.6	5.055	4000.	2.368	34.887	245.1	2.024
800.	4.804	34.499	128.3	4.740	4050.	2.357	34.886	245.5	2.007
850.	4.578	34.510	137.5	4.510	4100.	2.355	34.885	245.6	1.999
900.	4.415	34.530	145.5	4.345	4150.	2.338	34.884	244.8	1.977
950.	4.317	34.555	150.3	4.243	4200.	2.328	34.882	245.4	1.961
1000.	4.274	34.583	155.2	4.196	4250.	2.322	34.881	246.0	1.950
1050.	4.260	34.627	160.5	4.178	4300.	2.325	34.881	246.3	1.946
1100.	4.253	34.676	165.4	4.166	4350.	2.303	34.879	246.1	1.920
1150.	4.233	34.716	170.0	4.142	4400.	2.285	34.877	245.7	1.896
1200.	4.196	34.760	177.2	4.101	4450.	2.273	34.875	245.3	1.879
1250.	4.162	34.807	186.1	4.063	4500.	2.264	34.874	243.9	1.864
1300.	4.132	34.825	192.1	4.029	4521.	2.263	34.873	243.1	1.861
1350.	4.120	34.864	198.6	4.012					
1400.	4.068	34.894	207.5	3.956					
1450.	3.996	34.902	213.0	3.880					
1500.	3.968	34.912	216.6	3.849					
1550.	3.945	34.926	221.9	3.821					
1600.	3.882	34.931	225.5	3.754					
1650.	3.822	34.934	228.4	3.691					
1700.	3.774	34.939	230.8	3.638					
1750.	3.704	34.942	233.1	3.565					
1800.	3.630	34.944	235.8	3.487					
1850.	3.565	34.941	237.3	3.418					
1900.	3.519	34.942	238.5	3.369					
1950.	3.448	34.942	240.5	3.293					
2000.	3.382	34.942	242.1	3.224					
2050.	3.307	34.940	242.7	3.145					
2100.	3.254	34.938	243.0	3.088					
2150.	3.210	34.937	242.7	3.040					
2200.	3.171	34.935	242.8	2.997					
2250.	3.133	34.933	242.6	2.954					
2300.	3.094	34.931	242.6	2.912					
2350.	3.036	34.928	242.2	2.850					
2400.	2.998	34.927	241.9	2.808					
2450.	2.956	34.925	241.9	2.762					
2500.	2.924	34.924	241.8	2.725					
2550.	2.882	34.922	241.7	2.679					
2600.	2.856	34.920	241.3	2.649					
2650.	2.823	34.918	241.0	2.612					
2700.	2.796	34.916	240.8	2.580					
2750.	2.774	34.915	240.5	2.553					
2800.	2.738	34.913	240.2	2.514					



Station 26

Station	: 27	Campagne	: CITHERI
Date	: 09-01-93	Navire	: L'ATALANTE
Profondeur	: 4899 m	Organisme	: IFREMER
Position	: S 4 29.92		
	W 1 27.33		

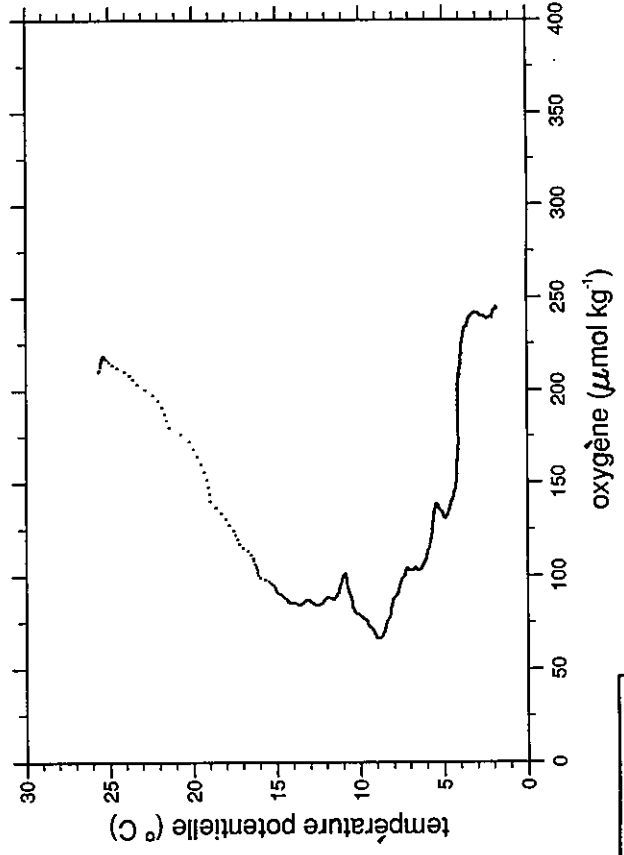
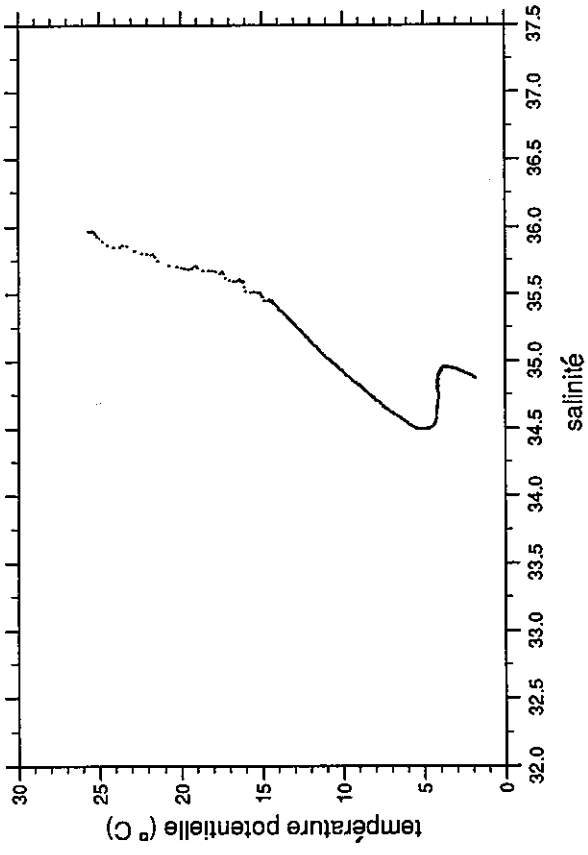
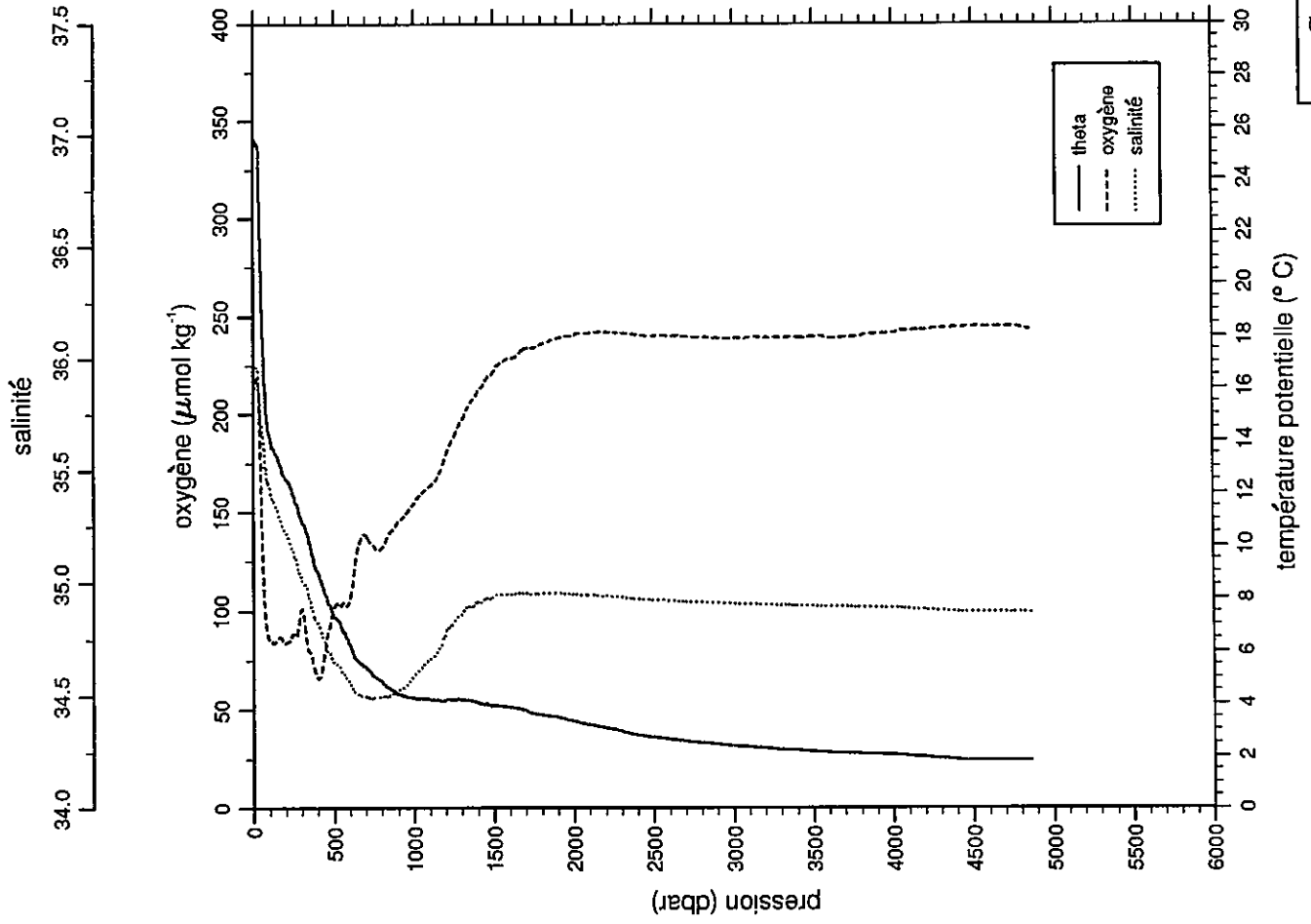
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	25.513	35.962	216.3	25.513
2.	25.508	35.962	214.4	25.508
3.	25.516	35.962	214.0	25.516
4.	25.520	35.962	214.6	25.519
5.	25.521	35.962	215.3	25.520
10.	25.510	35.961	218.3	25.508
20.	25.377	35.952	222.3	25.372
30.	24.262	35.876	222.4	24.255
40.	22.226	35.824	203.1	22.218
50.	18.960	35.673	162.5	18.951
100.	14.159	35.423	87.1	14.145
150.	13.191	35.301	85.6	13.171
200.	12.508	35.210	87.6	12.481
250.	11.731	35.113	92.5	11.699
300.	10.845	35.004	104.4	10.808
350.	9.945	34.912	76.0	9.904
400.	9.116	34.830	67.1	9.072
450.	8.396	34.754	82.0	8.348
500.	7.569	34.683	81.5	7.519
550.	6.834	34.612	93.9	6.783
600.	6.193	34.553	104.2	6.140
650.	5.767	34.528	110.7	5.710
700.	5.499	34.515	115.4	5.440
750.	5.194	34.501	121.1	5.132
800.	4.946	34.494	127.6	4.881
850.	4.752	34.494	134.5	4.683
900.	4.542	34.509	140.9	4.470
950.	4.385	34.535	148.9	4.310
1000.	4.308	34.577	155.4	4.230
1050.	4.257	34.614	159.8	4.175
1100.	4.213	34.667	165.2	4.126
1150.	4.195	34.720	172.1	4.105
1200.	4.182	34.773	180.2	4.087
1250.	4.160	34.807	187.4	4.061
1300.	4.190	34.836	193.2	4.087
1350.	4.125	34.863	200.2	4.017
1400.	4.100	34.896	208.7	3.988
1450.	4.061	34.914	215.1	3.945
1500.	4.020	34.920	218.0	3.900
1550.	3.988	34.931	222.7	3.864
1600.	3.940	34.938	227.0	3.812
1650.	3.871	34.941	229.6	3.739
1700.	3.829	34.945	232.4	3.692
1750.	3.795	34.951	235.4	3.654
1800.	3.735	34.952	237.9	3.591
1850.	3.677	34.952	240.1	3.528
1900.	3.581	34.947	240.9	3.429
1950.	3.507	34.948	241.7	3.352
1999.	3.432	34.946	239.6	3.273



Station 27

Station	: 28	Campagne	: CITHERR1
Date	: 09-01-93	Navire	: L'ATALANTE
Profondeur:	4826 m	Organisme	: IFREMER
Position	: S 4 30.02		
	W 1 49.97		

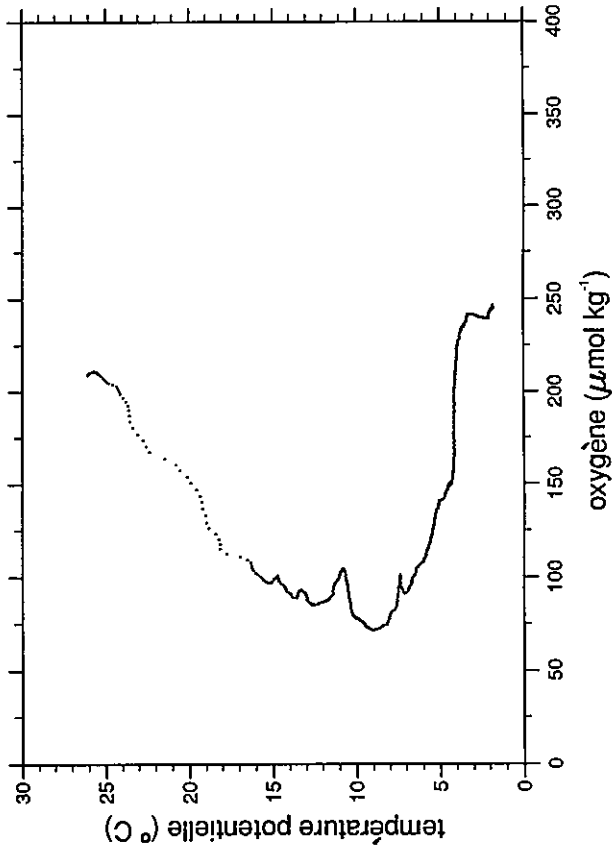
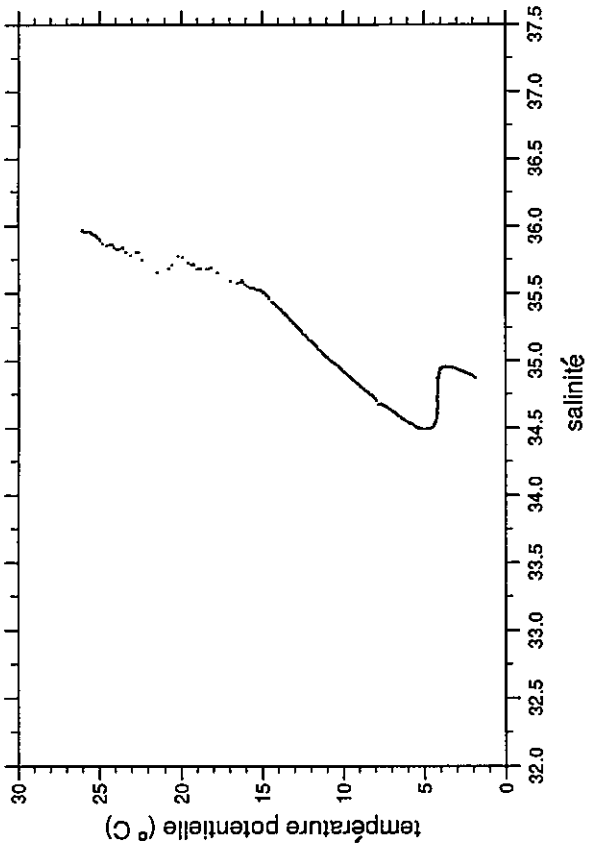
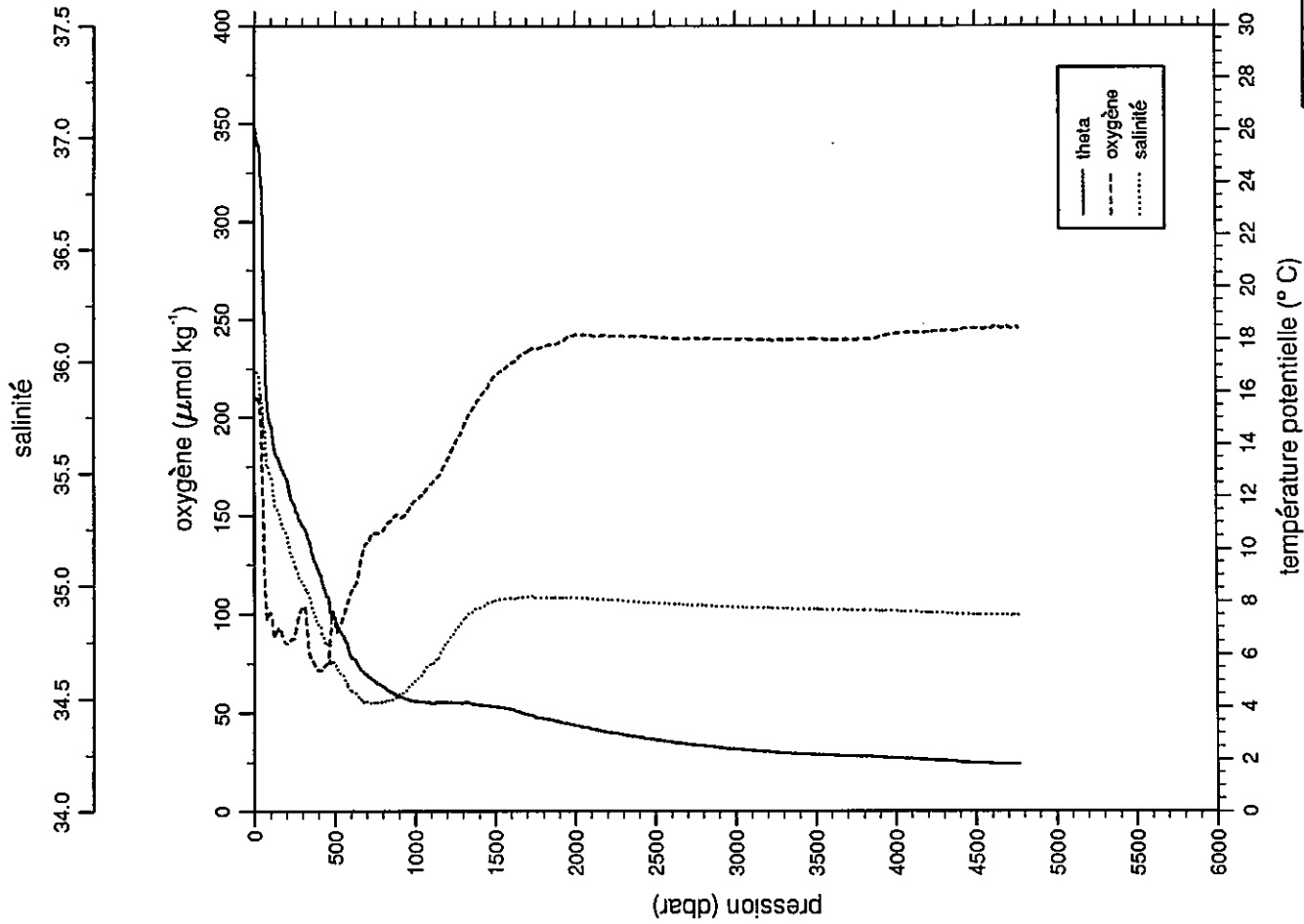
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.503	35.967	215.1	25.503	2850.	2.699	34.912	239.0	2.470
2.	25.634	35.967	210.0	25.634	2900.	2.674	34.910	239.0	2.440
3.	25.590	35.963	211.0	25.589	2950.	2.633	34.908	238.7	2.395
4.	25.537	35.964	212.6	25.536	3000.	2.624	34.907	238.9	2.381
5.	25.503	35.967	213.7	25.502	3050.	2.601	34.906	238.7	2.354
10.	25.460	35.968	216.3	25.458	3100.	2.588	34.906	239.1	2.336
20.	25.367	35.962	218.5	25.363	3150.	2.567	34.903	239.3	2.310
30.	25.015	35.912	215.3	25.009	3200.	2.540	34.902	239.0	2.279
40.	21.844	35.796	191.0	21.836	3250.	2.518	34.901	239.2	2.252
50.	19.158	35.702	151.7	19.149	3300.	2.500	34.900	239.0	2.229
100.	14.195	35.420	85.6	14.180	3350.	2.478	34.899	239.2	2.202
150.	13.363	35.318	86.3	13.342	3400.	2.479	34.898	239.2	2.198
200.	12.538	35.215	84.2	12.511	3450.	2.465	34.897	239.0	2.179
250.	11.925	35.134	88.5	11.893	3500.	2.443	34.896	239.6	2.152
300.	10.938	35.016	101.1	10.901	3550.	2.434	34.896	239.9	2.137
350.	10.096	34.932	79.1	10.055	3600.	2.424	34.894	239.0	2.123
400.	8.991	34.818	66.4	8.947	3650.	2.419	34.894	239.0	2.112
450.	8.140	34.725	84.1	8.093	3700.	2.411	34.893	239.1	2.099
500.	7.351	34.650	101.7	7.303	3750.	2.403	34.892	239.4	2.085
550.	6.884	34.606	103.2	6.832	3800.	2.394	34.891	239.9	2.072
600.	6.257	34.558	106.3	6.203	3850.	2.390	34.891	240.8	2.062
650.	5.660	34.508	132.2	5.605	3900.	2.389	34.890	241.1	2.055
700.	5.442	34.495	138.0	5.383	3950.	2.387	34.889	241.3	2.047
750.	5.102	34.494	133.0	5.040	4000.	2.378	34.888	241.5	2.033
800.	4.902	34.493	131.9	4.837	4050.	2.360	34.887	242.5	2.010
850.	4.631	34.504	139.6	4.564	4100.	2.346	34.885	242.7	1.991
900.	4.439	34.519	145.1	4.369	4150.	2.326	34.883	243.2	1.965
950.	4.347	34.543	149.1	4.273	4200.	2.320	34.882	243.1	1.954
1000.	4.289	34.590	154.2	4.211	4250.	2.296	34.879	243.6	1.924
1050.	4.286	34.629	159.7	4.204	4300.	2.275	34.877	243.9	1.898
1100.	4.245	34.662	163.2	4.159	4350.	2.255	34.875	244.1	1.873
1150.	4.219	34.703	167.9	4.128	4400.	2.242	34.874	244.3	1.854
1200.	4.233	34.783	178.8	4.137	4450.	2.223	34.872	244.6	1.830
1250.	4.255	34.825	188.1	4.155	4500.	2.219	34.871	244.7	1.821
1300.	4.233	34.861	196.9	4.129	4550.	2.223	34.871	244.7	1.818
1350.	4.236	34.897	205.1	4.127	4600.	2.227	34.870	244.6	1.816
1400.	4.156	34.914	211.2	4.043	4650.	2.231	34.870	244.7	1.814
1450.	4.109	34.934	217.2	3.992	4700.	2.234	34.870	244.6	1.810
1500.	4.040	34.945	221.8	3.919	4750.	2.239	34.870	244.7	1.810
1550.	4.010	34.948	226.3	3.885	4800.	2.245	34.870	244.3	1.810
1600.	3.991	34.951	228.3	3.862	4850.	2.252	34.868	243.2	1.810
1650.	3.941	34.953	230.3	3.808	4860.	2.253	34.868	243.5	1.810
1700.	3.859	34.954	233.6	3.723					
1750.	3.742	34.951	233.8	3.602					
1800.	3.699	34.952	235.9	3.555					
1850.	3.659	34.953	237.4	3.510					
1900.	3.622	34.953	238.8	3.469					
1950.	3.556	34.951	239.9	3.400					
2000.	3.486	34.950	240.2	3.326					
2050.	3.396	34.947	241.2	3.232					
2100.	3.351	34.945	241.3	3.183					
2150.	3.298	34.942	241.8	3.127					
2200.	3.241	34.941	241.9	3.066					
2250.	3.197	34.939	241.7	3.017					
2300.	3.127	34.936	241.5	2.944					
2350.	3.038	34.931	240.9	2.852					
2400.	2.969	34.927	240.6	2.780					
2450.	2.937	34.925	240.0	2.743					
2500.	2.907	34.923	239.9	2.709					
2550.	2.875	34.922	240.1	2.672					
2600.	2.831	34.919	239.9	2.624					
2650.	2.815	34.918	240.1	2.604					
2700.	2.774	34.916	239.5	2.559					
2750.	2.741	34.914	239.3	2.521					
2800.	2.719	34.913	239.3	2.494					



Station 28

Station	: 29	Campagne	: CITHER1
Date	: 09-01-93	Navire	: L'ATALANTE
Profondeur	: 4745 m	Organisme	: IFREMER
Position	: S 4 29.98		
	W 2 29.97		

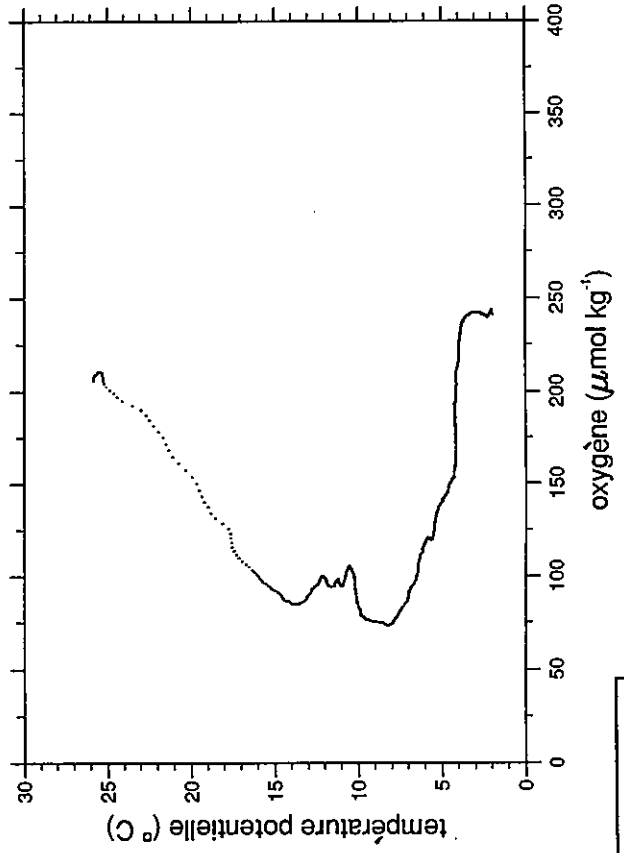
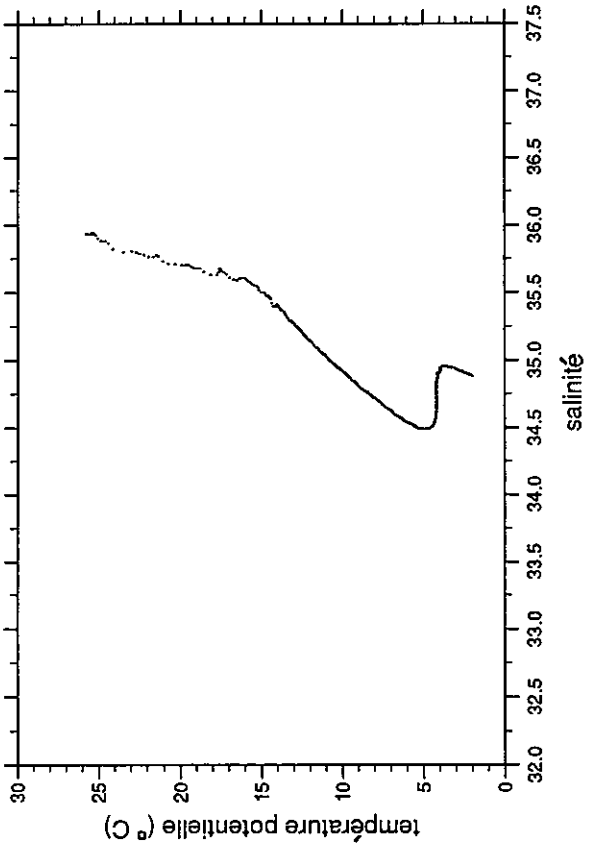
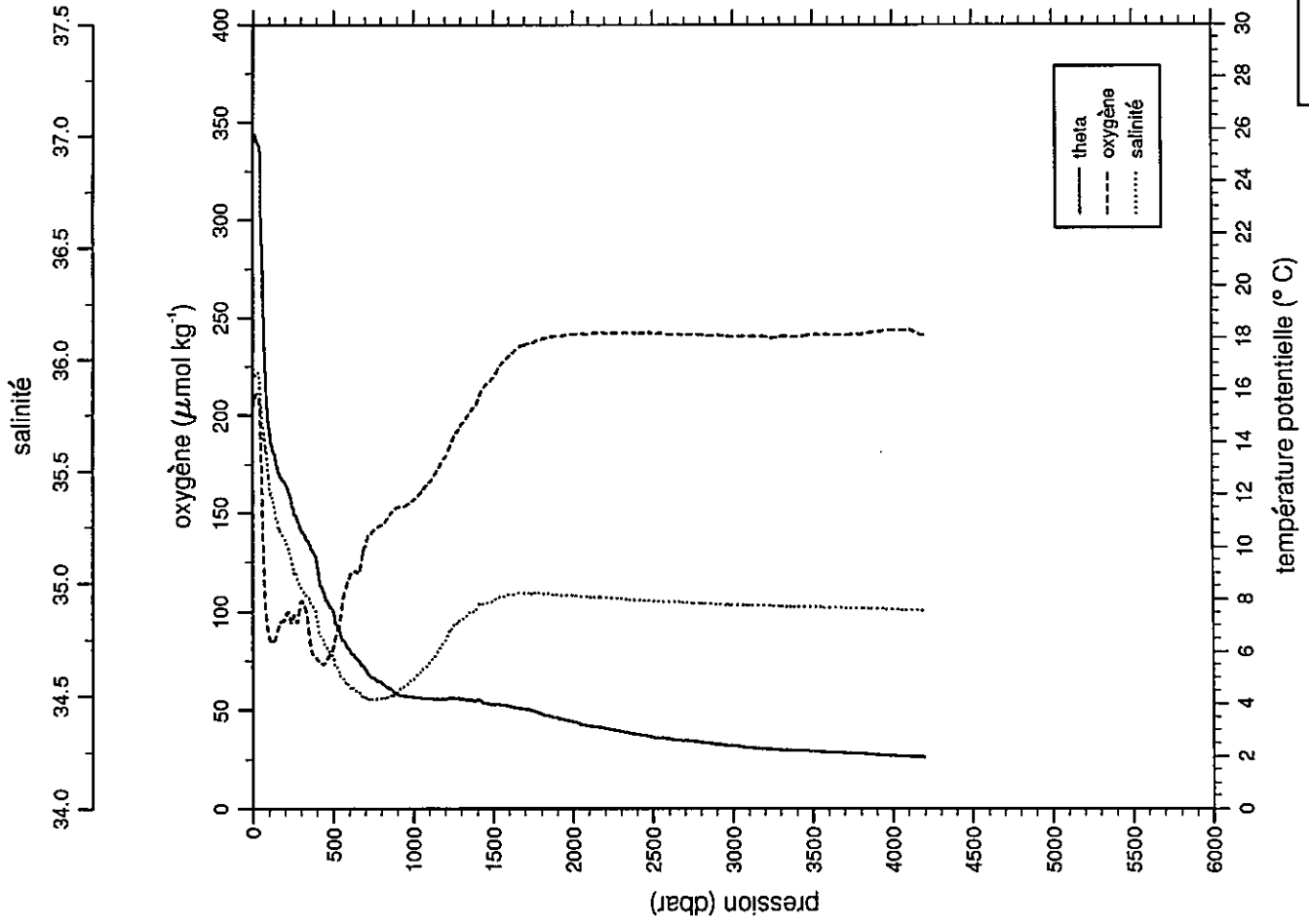
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.757	35.957	210.9	25.756	2850.	2.720	34.911	240.2	2.490
2.	26.032	35.969	209.0	26.032	2900.	2.675	34.909	240.0	2.442
3.	26.044	35.966	209.3	26.043	2950.	2.650	34.907	240.0	2.412
4.	25.993	35.959	209.9	25.992	3000.	2.624	34.905	239.7	2.382
5.	25.885	35.952	210.3	25.884	3050.	2.602	34.904	239.8	2.355
10.	25.589	35.955	211.0	25.586	3100.	2.575	34.902	239.6	2.324
20.	25.498	35.949	210.4	25.493	3150.	2.559	34.901	239.6	2.302
30.	25.088	35.908	206.9	25.081	3200.	2.538	34.900	239.6	2.277
40.	23.941	35.824	196.9	23.932	3250.	2.515	34.900	239.3	2.249
50.	22.387	35.746	167.1	22.377	3300.	2.506	34.899	239.3	2.235
100.	14.720	35.485	100.7	14.705	3350.	2.489	34.898	239.5	2.213
150.	13.385	35.320	92.9	13.364	3400.	2.473	34.897	239.7	2.192
200.	12.651	35.228	85.0	12.624	3450.	2.461	34.896	240.0	2.175
250.	11.639	35.101	89.0	11.607	3500.	2.452	34.896	240.0	2.160
300.	10.886	35.011	103.9	10.849	3550.	2.450	34.896	239.8	2.153
350.	10.069	34.919	78.1	10.028	3600.	2.439	34.894	239.4	2.137
400.	9.127	34.825	71.6	9.083	3650.	2.428	34.893	239.5	2.121
450.	8.234	34.740	74.7	8.187	3700.	2.419	34.892	239.6	2.107
500.	7.402	34.660	95.7	7.353	3750.	2.417	34.892	239.5	2.099
550.	6.744	34.603	97.8	6.692	3800.	2.410	34.891	239.9	2.086
600.	5.915	34.532	110.9	5.863	3850.	2.405	34.890	239.9	2.076
650.	5.549	34.504	122.2	5.494	3900.	2.397	34.890	240.8	2.063
700.	5.268	34.490	135.9	5.209	3950.	2.384	34.888	241.8	2.045
750.	5.027	34.486	141.0	4.965	4000.	2.382	34.887	242.5	2.037
800.	4.830	34.488	142.6	4.766	4050.	2.371	34.886	243.0	2.020
850.	4.621	34.496	147.3	4.554	4100.	2.355	34.884	243.3	2.000
900.	4.471	34.521	149.6	4.400	4150.	2.339	34.883	243.2	1.978
950.	4.366	34.540	151.7	4.292	4200.	2.325	34.881	243.3	1.959
1000.	4.284	34.581	157.3	4.206	4250.	2.319	34.880	243.6	1.947
1050.	4.269	34.614	160.9	4.187	4300.	2.311	34.879	244.0	1.933
1100.	4.224	34.655	166.0	4.138	4350.	2.296	34.877	244.0	1.913
1150.	4.253	34.686	170.3	4.162	4400.	2.269	34.875	244.4	1.881
1200.	4.266	34.750	178.0	4.170	4450.	2.255	34.873	245.0	1.861
1250.	4.252	34.803	186.3	4.152	4500.	2.250	34.872	245.2	1.851
1300.	4.242	34.848	194.6	4.137	4550.	2.248	34.872	244.8	1.843
1350.	4.229	34.879	203.0	4.120	4600.	2.242	34.871	245.4	1.830
1400.	4.185	34.901	209.7	4.072	4650.	2.243	34.870	245.9	1.825
1450.	4.157	34.921	214.9	4.040	4700.	2.244	34.870	246.8	1.820
1500.	4.126	34.935	221.1	4.004	4750.	2.250	34.870	245.8	1.820
1550.	4.083	34.940	224.3	3.957	4767.	2.243	34.869	245.2	1.811
1600.	4.026	34.945	227.7	3.897					
1650.	3.939	34.948	230.9	3.805					
1700.	3.848	34.950	233.3	3.711					
1750.	3.742	34.949	234.7	3.602					
1800.	3.685	34.947	235.7	3.541					
1850.	3.641	34.946	236.8	3.493					
1900.	3.572	34.947	238.0	3.420					
1950.	3.516	34.950	240.6	3.361					
2000.	3.447	34.947	241.9	3.287					
2050.	3.381	34.944	242.0	3.218					
2100.	3.313	34.941	241.8	3.146					
2150.	3.252	34.940	241.3	3.082					
2200.	3.187	34.937	241.4	3.013					
2250.	3.161	34.936	241.5	2.983					
2300.	3.118	34.933	241.4	2.935					
2350.	3.060	34.930	241.2	2.873					
2400.	3.029	34.928	241.3	2.839					
2450.	2.968	34.925	240.9	2.774					
2500.	2.941	34.923	240.7	2.742					
2550.	2.902	34.921	240.5	2.699					
2600.	2.860	34.919	240.2	2.653					
2650.	2.825	34.917	240.0	2.614					
2700.	2.787	34.915	240.0	2.572					
2750.	2.756	34.913	240.2	2.536					
2800.	2.739	34.912	240.0	2.514					



Station 29

Station	: 30	Campagne	: CITHER1
Date	: 10-01-93	Navire	: L'ATALANTE
Profondeur	: 4204 m	Organisme	: IFREMER
Position	: S 4 29.98		
	W 3 10.03		

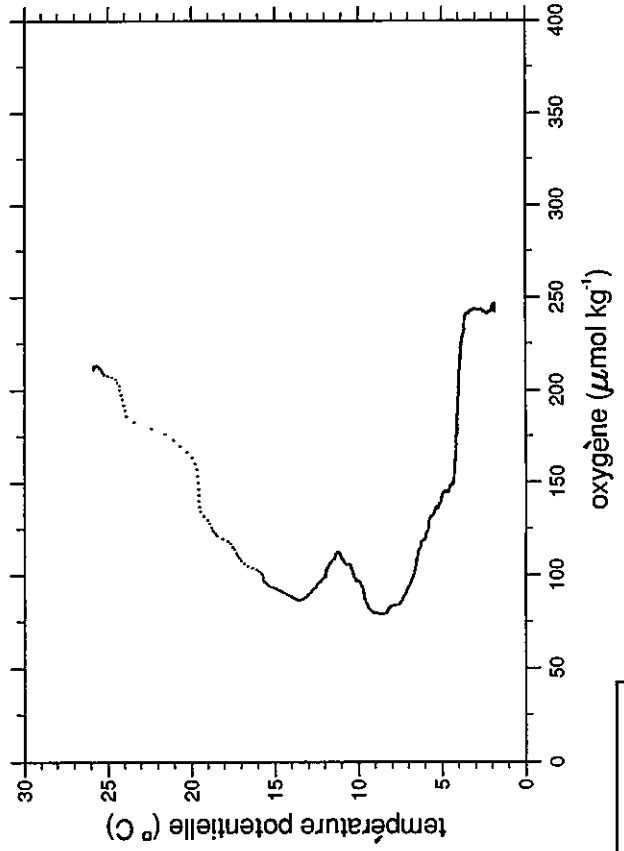
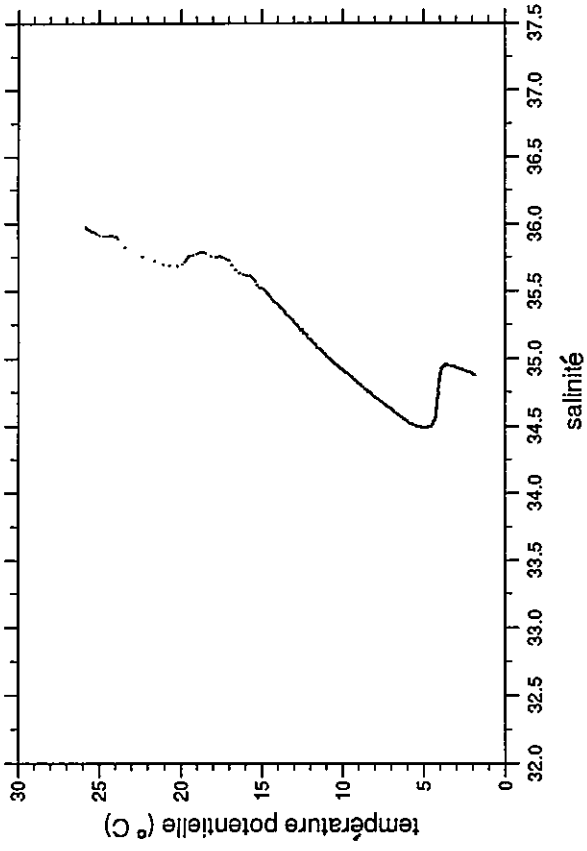
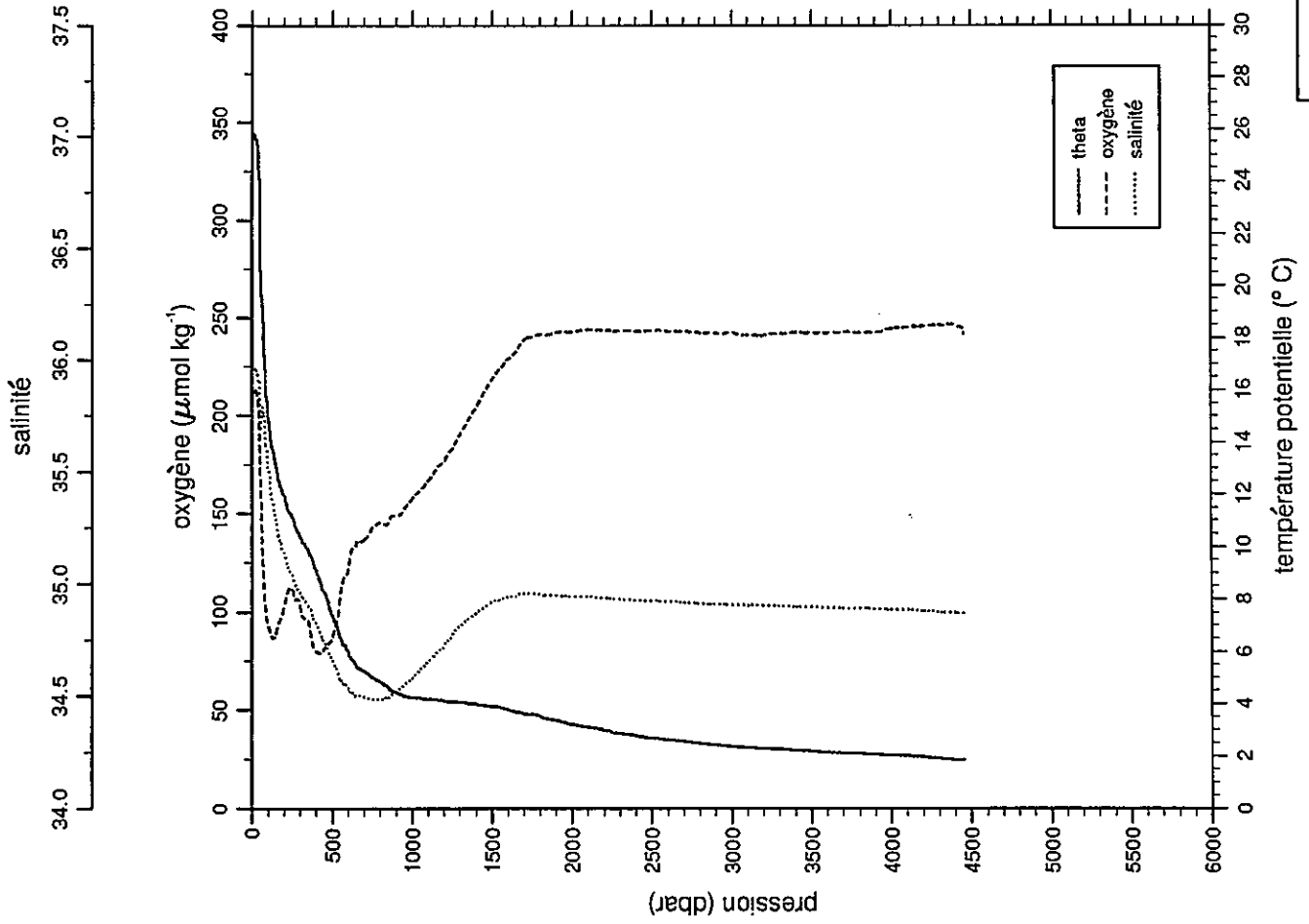
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.785	35.932	208.2	25.784	2850.	2.720	34.911	240.9	2.490
2.	25.804	35.934	205.8	25.803	2900.	2.680	34.909	241.1	2.447
3.	25.804	35.934	206.4	25.804	2950.	2.661	34.908	240.7	2.422
4.	25.804	35.935	207.1	25.803	3000.	2.634	34.906	240.6	2.391
5.	25.804	35.934	207.6	25.803	3050.	2.612	34.905	240.5	2.364
10.	25.756	35.930	209.2	25.754	3100.	2.590	34.903	240.6	2.338
20.	25.554	35.926	210.8	25.549	3150.	2.564	34.902	240.6	2.307
30.	25.417	35.941	210.8	25.410	3200.	2.539	34.901	240.5	2.278
40.	25.211	35.922	204.4	25.202	3250.	2.523	34.900	239.6	2.257
50.	22.235	35.780	181.6	22.225	3300.	2.500	34.899	240.3	2.229
100.	14.508	35.464	87.6	14.493	3350.	2.496	34.899	240.5	2.220
150.	13.057	35.278	89.2	13.037	3400.	2.491	34.898	240.2	2.209
200.	12.385	35.191	96.6	12.359	3450.	2.488	34.898	240.5	2.201
250.	11.419	35.072	96.3	11.387	3500.	2.477	34.897	241.2	2.186
300.	10.606	34.977	105.1	10.570	3550.	2.462	34.896	241.3	2.165
350.	10.153	34.936	88.5	10.111	3600.	2.438	34.894	241.3	2.137
400.	9.283	34.839	75.8	9.238	3650.	2.438	34.894	241.2	2.131
450.	8.070	34.722	73.9	8.023	3700.	2.434	34.894	241.1	2.121
500.	7.542	34.670	81.4	7.493	3750.	2.419	34.892	241.4	2.101
550.	6.576	34.583	99.8	6.526	3800.	2.411	34.891	241.6	2.088
600.	6.116	34.543	117.3	6.062	3850.	2.389	34.890	242.0	2.061
650.	5.784	34.527	119.8	5.727	3900.	2.375	34.888	242.6	2.041
700.	5.364	34.495	133.6	5.305	3950.	2.357	34.886	243.3	2.018
750.	5.035	34.487	140.7	4.973	4000.	2.347	34.885	243.5	2.003
800.	4.864	34.489	143.5	4.799	4050.	2.337	34.884	243.4	1.988
850.	4.650	34.496	148.8	4.582	4100.	2.332	34.883	243.6	1.977
900.	4.443	34.518	152.7	4.372	4150.	2.334	34.883	242.5	1.973
950.	4.360	34.547	153.4	4.286	4197.	2.308	34.880	240.9	1.942
1000.	4.336	34.570	156.3	4.258					
1050.	4.291	34.610	160.5	4.209					
1100.	4.281	34.649	165.3	4.194					
1150.	4.259	34.695	171.7	4.168					
1200.	4.266	34.744	178.5	4.170					
1250.	4.308	34.808	187.9	4.207					
1300.	4.267	34.842	195.1	4.162					
1350.	4.249	34.867	200.8	4.140					
1400.	4.227	34.891	206.6	4.113					
1450.	4.120	34.910	215.0	4.003					
1500.	4.082	34.921	219.4	3.961					
1550.	4.070	34.941	226.1	3.944					
1600.	4.023	34.950	230.3	3.893					
1650.	3.965	34.954	234.3	3.831					
1700.	3.922	34.956	236.1	3.784					
1750.	3.850	34.955	237.2	3.708					
1800.	3.767	34.956	238.9	3.622					
1850.	3.691	34.953	240.1	3.542					
1900.	3.617	34.951	240.6	3.465					
1950.	3.549	34.949	241.0	3.393					
2000.	3.472	34.946	241.4	3.312					
2050.	3.355	34.942	241.7	3.192					
2100.	3.316	34.941	241.7	3.149					
2150.	3.277	34.939	242.2	3.106					
2200.	3.232	34.938	242.0	3.057					
2250.	3.178	34.937	242.1	2.999					
2300.	3.113	34.933	242.0	2.931					
2350.	3.059	34.930	242.1	2.873					
2400.	3.008	34.927	242.0	2.817					
2450.	2.971	34.925	242.1	2.776					
2500.	2.904	34.922	242.1	2.706					
2550.	2.884	34.922	242.0	2.681					
2600.	2.860	34.919	241.6	2.653					
2650.	2.823	34.918	241.5	2.611					
2700.	2.813	34.917	241.2	2.597					
2750.	2.787	34.916	241.4	2.566					
2800.	2.743	34.913	241.2	2.518					



Station 30

Station : 31 Campagne : CITHER1
 Date : 10-01-93 Navire : L'ATALANTE
 Profondeur: 4610 m Organisme : IFREMER
 Position : S 4 29.91
 W 3 44.91

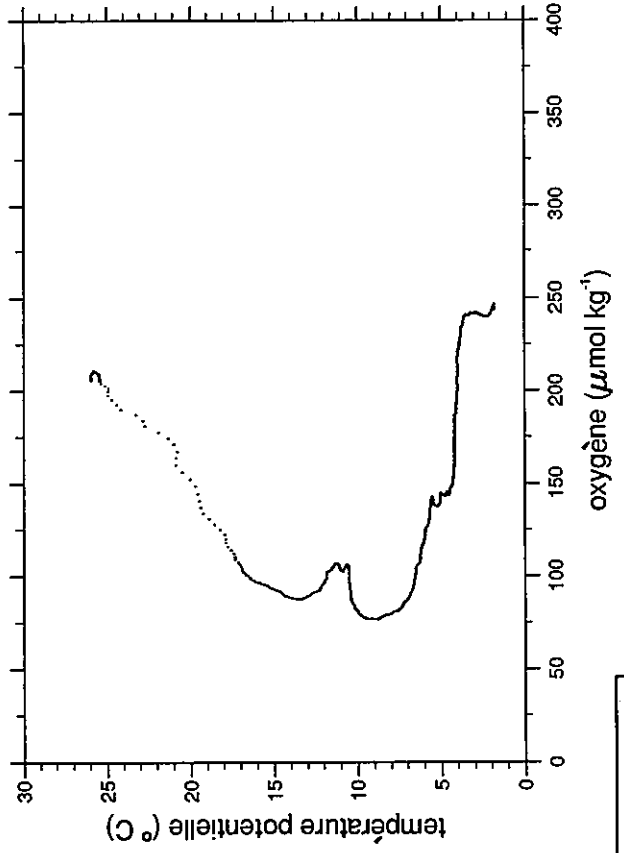
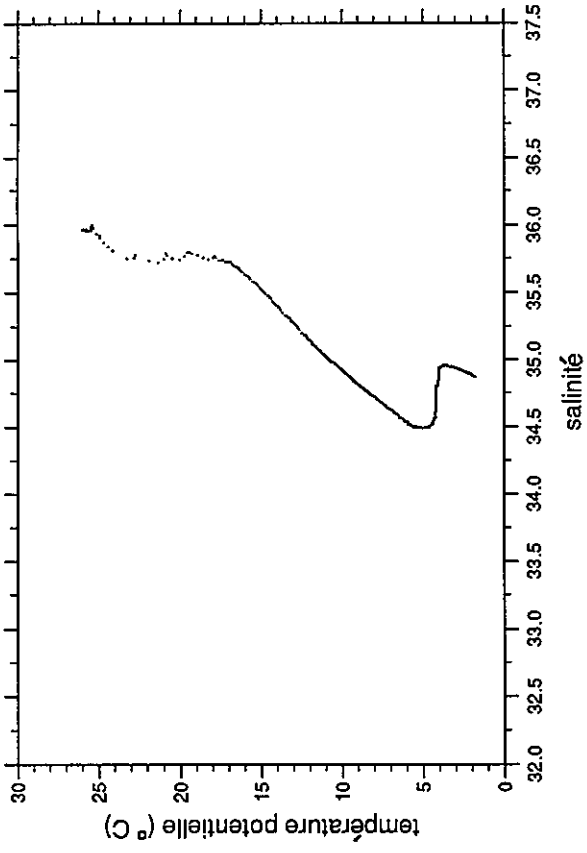
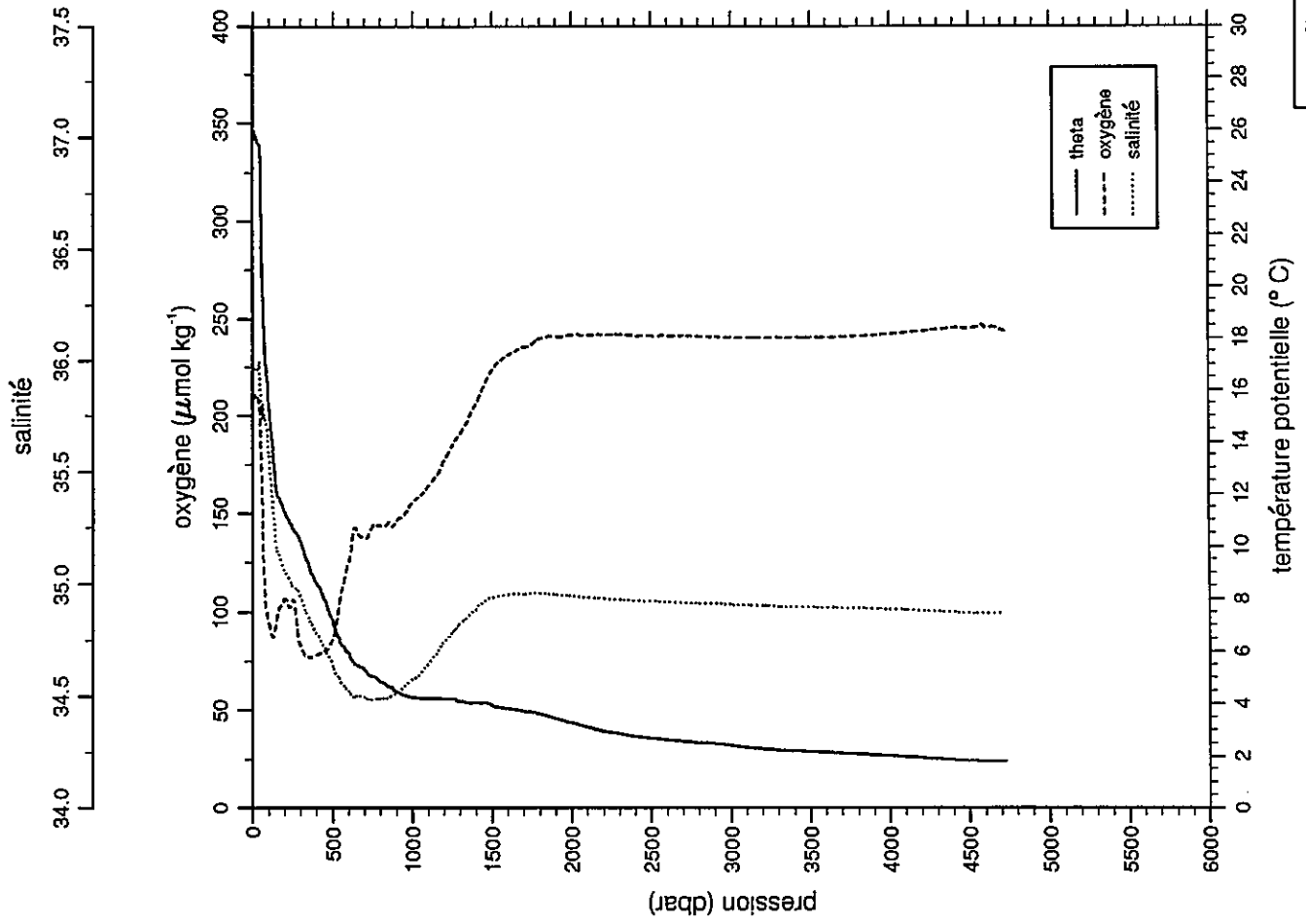
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.812	35.973	212.5	25.811	2850.	2.666	34.909	242.3	2.438
2.	25.812	35.974	211.4	25.811	2900.	2.659	34.908	242.1	2.426
3.	25.813	35.974	211.1	25.813	2950.	2.623	34.907	241.9	2.386
4.	25.814	35.974	211.6	25.813	3000.	2.598	34.906	242.4	2.356
5.	25.814	35.974	212.0	25.813	3050.	2.580	34.905	241.5	2.333
10.	25.812	35.974	213.2	25.809	3100.	2.564	34.904	241.1	2.313
20.	25.630	35.959	213.2	25.625	3150.	2.549	34.903	241.0	2.293
30.	25.455	35.939	211.3	25.449	3200.	2.538	34.902	240.9	2.277
40.	24.430	35.911	204.1	24.421	3250.	2.533	34.901	241.7	2.267
50.	21.580	35.722	176.3	21.570	3300.	2.522	34.900	242.1	2.251
100.	14.932	35.521	92.8	14.917	3350.	2.508	34.900	242.1	2.232
150.	13.060	35.286	89.0	13.039	3400.	2.490	34.899	242.5	2.209
200.	11.947	35.137	102.6	11.921	3450.	2.474	34.898	242.3	2.188
250.	11.132	35.038	111.8	11.101	3500.	2.462	34.896	242.4	2.170
300.	10.393	34.954	102.7	10.357	3550.	2.444	34.895	242.3	2.147
350.	9.889	34.898	95.5	9.849	3600.	2.435	34.895	242.2	2.133
400.	9.130	34.826	79.9	9.086	3650.	2.426	34.894	242.3	2.120
450.	8.294	34.743	80.9	8.247	3700.	2.402	34.892	242.5	2.090
500.	7.442	34.660	86.4	7.392	3750.	2.401	34.891	242.6	2.084
550.	6.567	34.582	107.7	6.517	3800.	2.404	34.891	242.4	2.081
600.	6.020	34.533	121.7	5.967	3850.	2.391	34.890	242.5	2.063
650.	5.506	34.498	134.4	5.450	3900.	2.384	34.889	242.5	2.050
700.	5.294	34.496	136.7	5.236	3950.	2.363	34.887	243.2	2.025
750.	5.063	34.487	142.9	5.002	4000.	2.354	34.886	244.5	2.010
800.	4.901	34.487	145.3	4.837	4050.	2.354	34.885	244.9	2.004
850.	4.685	34.493	145.1	4.617	4100.	2.340	34.885	245.0	1.985
900.	4.503	34.518	148.8	4.432	4150.	2.321	34.883	245.5	1.960
950.	4.363	34.552	152.3	4.289	4200.	2.320	34.882	245.6	1.954
1000.	4.309	34.579	157.4	4.231	4250.	2.295	34.879	246.0	1.924
1050.	4.295	34.613	161.3	4.213	4300.	2.261	34.876	246.3	1.884
1100.	4.261	34.652	166.7	4.174	4350.	2.244	34.874	246.6	1.862
1150.	4.255	34.692	172.6	4.164	4400.	2.233	34.873	245.7	1.846
1200.	4.184	34.726	176.7	4.089	4450.	2.230	34.872	244.3	1.837
1250.	4.185	34.767	183.0	4.086	4457.	2.231	34.872	241.9	1.837
1300.	4.153	34.812	190.4	4.049					
1350.	4.121	34.845	197.3	4.013					
1400.	4.099	34.871	204.3	3.987					
1450.	4.049	34.900	211.8	3.933					
1500.	4.017	34.917	218.6	3.897					
1550.	3.975	34.927	223.7	3.851					
1600.	3.894	34.938	228.9	3.766					
1650.	3.802	34.945	232.6	3.670					
1700.	3.755	34.955	238.5	3.619					
1750.	3.733	34.956	240.4	3.593					
1800.	3.655	34.952	241.5	3.511					
1850.	3.544	34.948	241.4	3.397					
1900.	3.495	34.949	242.4	3.345					
1950.	3.445	34.946	242.9	3.290					
2000.	3.364	34.943	242.7	3.206					
2050.	3.303	34.943	243.4	3.141					
2100.	3.272	34.942	243.9	3.106					
2150.	3.227	34.939	243.9	3.057					
2200.	3.147	34.936	243.7	2.974					
2250.	3.087	34.933	243.4	2.910					
2300.	3.038	34.930	243.5	2.857					
2350.	3.001	34.927	243.5	2.816					
2400.	2.965	34.925	243.2	2.775					
2450.	2.913	34.922	243.2	2.719					
2500.	2.884	34.922	243.4	2.686					
2550.	2.857	34.920	243.6	2.655					
2600.	2.825	34.918	243.2	2.618					
2650.	2.809	34.918	243.1	2.598					
2700.	2.772	34.916	243.0	2.557					
2750.	2.728	34.913	242.8	2.509					
2800.	2.700	34.911	242.3	2.477					



Station 31

Station	: 32	Campagne	: CITHER1
Date	: 10-01-93	Navire	: L'ATALANTE
Profondeur	: 4692 m	Organisme	: IFREMER
Position	: S 4 29.95		
	W 4 20.00		

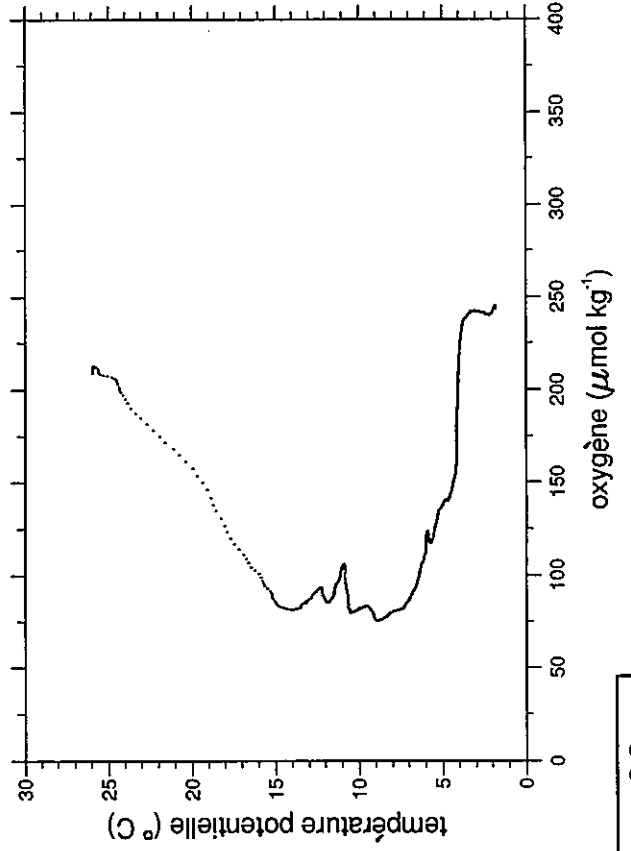
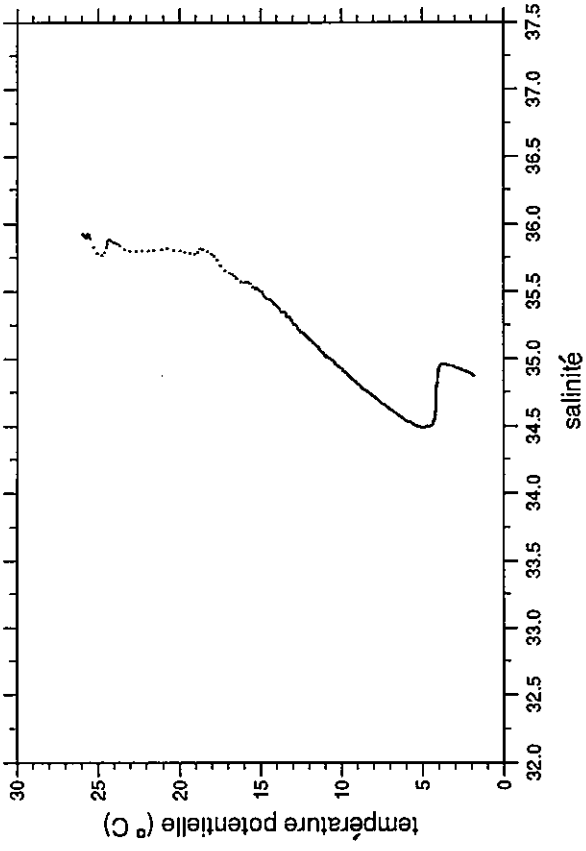
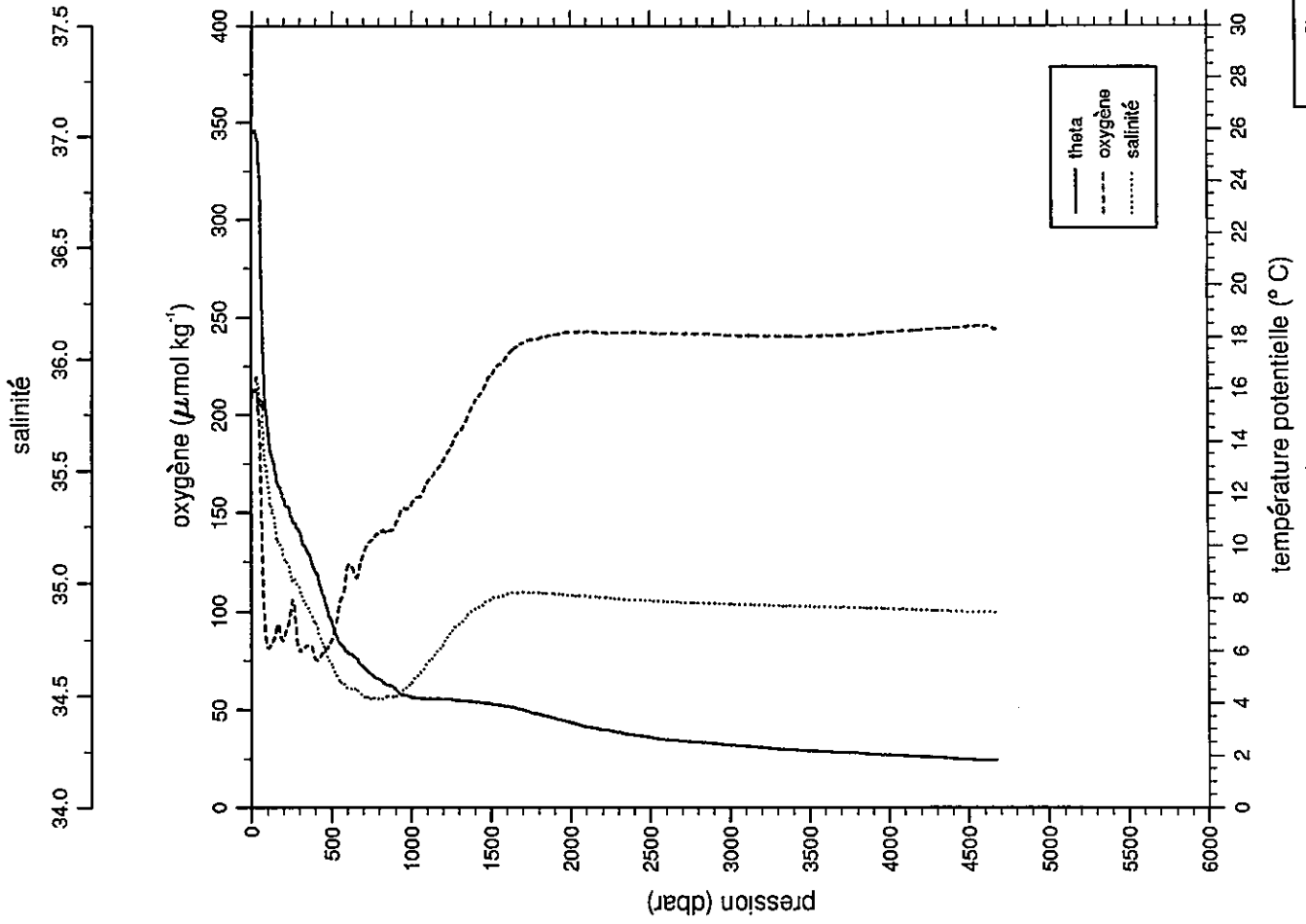
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.883	35.961	209.2	25.883	2850.	2.715	34.912	240.6	2.486
2.	25.934	35.964	206.6	25.934	2900.	2.696	34.910	240.4	2.462
3.	25.944	35.967	205.9	25.943	2950.	2.674	34.909	240.2	2.435
4.	25.951	35.968	207.1	25.950	3000.	2.643	34.908	240.2	2.400
5.	25.964	35.962	208.0	25.963	3050.	2.599	34.905	239.8	2.352
10.	25.806	35.956	210.3	25.804	3100.	2.574	34.904	239.8	2.322
20.	25.742	35.960	210.4	25.738	3150.	2.546	34.902	240.1	2.289
30.	25.498	35.961	209.1	25.491	3200.	2.529	34.901	239.8	2.268
40.	25.435	35.992	206.6	25.426	3250.	2.519	34.900	240.0	2.253
50.	24.152	35.811	189.9	24.141	3300.	2.488	34.899	240.0	2.218
100.	15.402	35.568	94.7	15.386	3350.	2.481	34.898	239.9	2.205
150.	12.034	35.146	95.9	12.015	3400.	2.469	34.897	240.1	2.188
200.	11.319	35.060	106.8	11.294	3450.	2.457	34.896	240.1	2.171
250.	10.704	34.989	106.0	10.674	3500.	2.452	34.896	240.2	2.160
300.	10.227	34.947	82.6	10.192	3550.	2.440	34.895	240.3	2.143
350.	9.349	34.848	76.9	9.309	3600.	2.439	34.895	240.2	2.137
400.	8.619	34.776	77.9	8.576	3650.	2.417	34.893	240.3	2.110
450.	8.000	34.718	79.8	7.954	3700.	2.409	34.892	240.5	2.097
500.	7.222	34.637	86.2	7.174	3750.	2.408	34.892	240.6	2.091
550.	6.330	34.563	108.2	6.280	3800.	2.394	34.890	240.8	2.072
600.	5.998	34.534	124.4	5.945	3850.	2.384	34.890	240.9	2.056
650.	5.535	34.497	141.4	5.480	3900.	2.378	34.889	241.3	2.045
700.	5.347	34.496	138.0	5.288	3950.	2.361	34.887	241.7	2.023
750.	5.089	34.485	143.5	5.027	4000.	2.356	34.886	241.8	2.011
800.	4.905	34.488	143.5	4.840	4050.	2.336	34.884	242.1	1.987
850.	4.714	34.490	145.2	4.646	4100.	2.330	34.884	242.7	1.975
900.	4.547	34.509	146.0	4.476	4150.	2.316	34.882	243.1	1.956
950.	4.402	34.545	149.4	4.328	4200.	2.303	34.880	243.3	1.938
1000.	4.321	34.573	155.4	4.242	4250.	2.278	34.877	243.9	1.907
1050.	4.290	34.598	159.0	4.208	4300.	2.266	34.876	244.4	1.890
1100.	4.286	34.648	163.8	4.199	4350.	2.252	34.874	244.6	1.870
1150.	4.277	34.685	168.8	4.186	4400.	2.242	34.873	245.1	1.855
1200.	4.274	34.748	177.0	4.179	4450.	2.230	34.871	245.1	1.837
1250.	4.273	34.777	184.0	4.173	4500.	2.217	34.870	244.9	1.818
1300.	4.172	34.821	190.7	4.069	4550.	2.210	34.869	245.3	1.806
1350.	4.132	34.857	197.5	4.024	4600.	2.210	34.868	245.3	1.800
1400.	4.141	34.884	206.0	4.029	4650.	2.213	34.868	245.6	1.797
1450.	4.135	34.920	215.1	4.018	4700.	2.211	34.868	244.2	1.788
1500.	4.048	34.936	223.0	3.927	4724.	2.210	34.867	243.7	1.784
1550.	3.973	34.945	228.2	3.849					
1600.	3.927	34.950	231.0	3.798					
1650.	3.898	34.954	233.2	3.765					
1700.	3.839	34.955	235.2	3.703					
1750.	3.808	34.955	236.7	3.667					
1800.	3.751	34.958	239.4	3.606					
1850.	3.672	34.955	240.6	3.524					
1900.	3.576	34.950	240.8	3.425					
1950.	3.490	34.947	240.7	3.335					
2000.	3.422	34.946	241.5	3.263					
2050.	3.346	34.941	241.6	3.183					
2100.	3.278	34.940	241.3	3.112					
2150.	3.189	34.938	241.6	3.020					
2200.	3.115	34.933	241.7	2.942					
2250.	3.079	34.933	241.6	2.902					
2300.	3.036	34.930	241.8	2.855					
2350.	2.968	34.927	241.6	2.783					
2400.	2.926	34.925	241.0	2.737					
2450.	2.902	34.923	241.2	2.709					
2500.	2.875	34.921	241.0	2.677					
2550.	2.843	34.919	240.9	2.641					
2600.	2.814	34.918	241.1	2.607					
2650.	2.793	34.916	240.8	2.582					
2700.	2.767	34.914	241.0	2.552					
2750.	2.757	34.914	241.0	2.537					
2800.	2.720	34.912	240.6	2.495					



Station 32

Station : 33	Campagne : CITHER1
Date : 10-01-93	Navire : L'ATALANTE
Profondeur: 4643 m	Organisme : IFREMER
Position : S 4 30.06	
W 4 54.96	

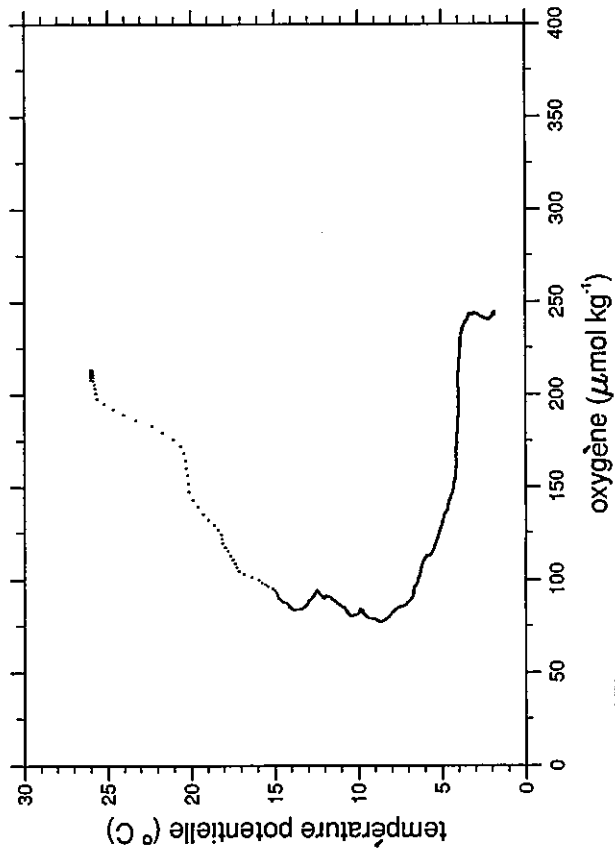
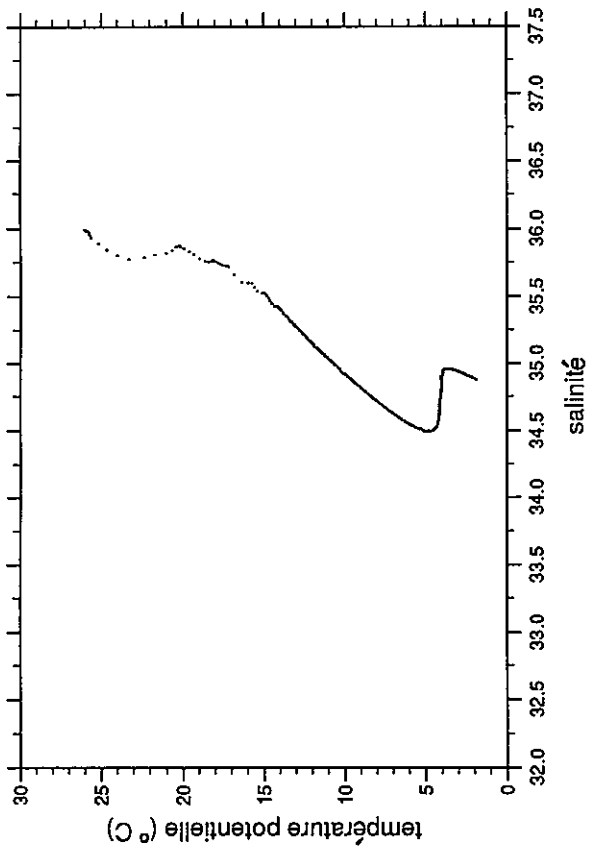
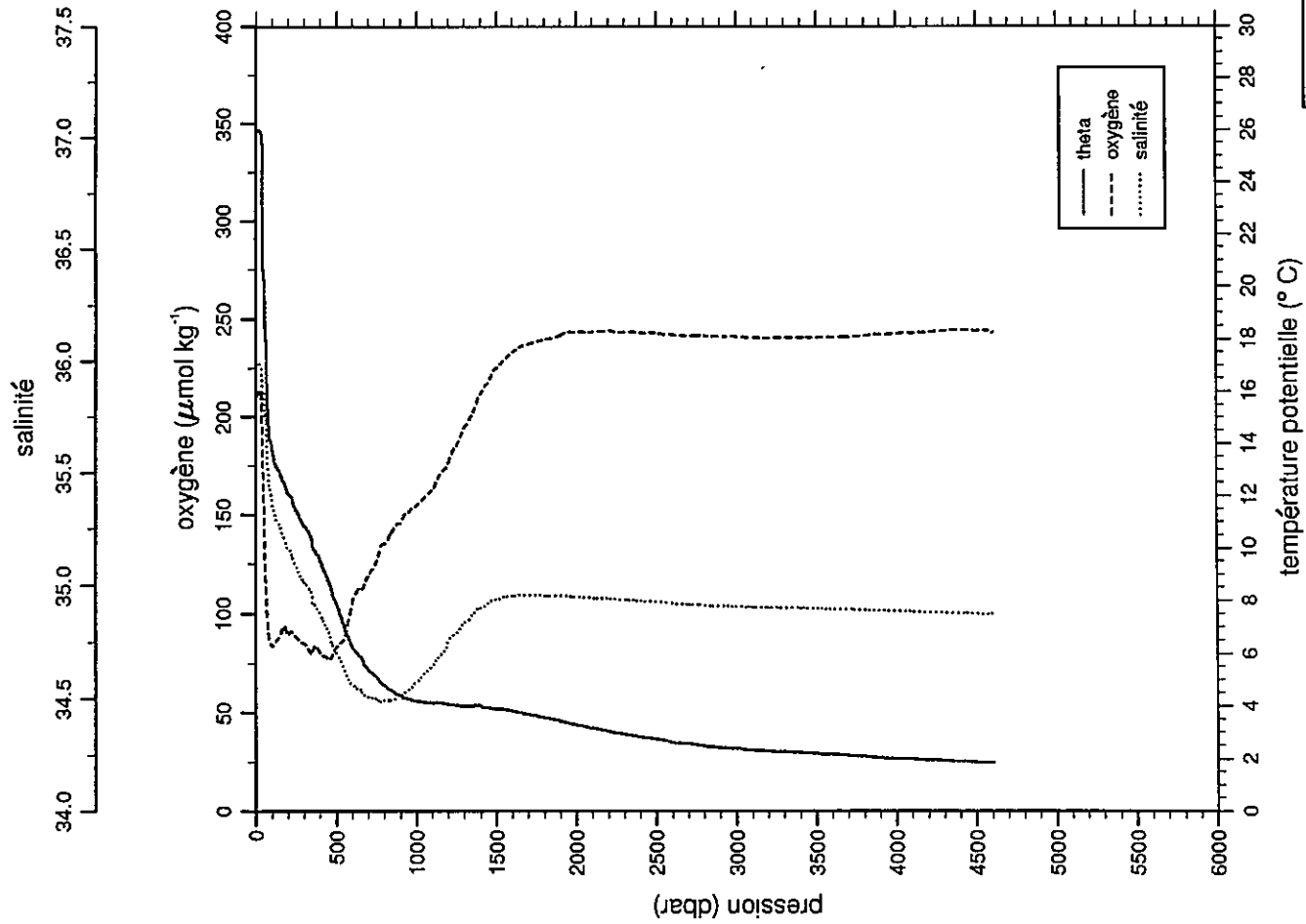
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.945	35.925	211.2	25.944	2850.	2.709	34.912	241.0	2.480
2.	25.939	35.926	209.1	25.938	2900.	2.687	34.911	240.8	2.453
3.	25.945	35.926	210.0	25.944	2950.	2.653	34.906	240.8	2.415
4.	25.945	35.925	210.0	25.944	3000.	2.625	34.907	240.4	2.382
5.	25.945	35.925	210.4	25.944	3050.	2.608	34.905	240.4	2.361
10.	25.946	35.925	211.9	25.943	3100.	2.600	34.905	240.4	2.348
20.	25.938	35.923	212.8	25.933	3150.	2.580	34.904	240.4	2.323
30.	25.615	35.901	211.7	25.608	3200.	2.558	34.902	240.3	2.297
40.	24.798	35.765	206.9	24.789	3250.	2.525	34.900	240.2	2.259
50.	23.839	35.852	192.8	23.829	3300.	2.509	34.899	240.1	2.238
100.	14.533	35.447	82.5	14.518	3350.	2.496	34.898	240.0	2.220
150.	12.817	35.249	89.2	12.796	3400.	2.482	34.898	240.1	2.201
200.	11.796	35.123	85.7	11.770	3450.	2.472	34.897	240.0	2.186
250.	11.090	35.029	102.9	11.059	3500.	2.451	34.896	240.0	2.160
300.	10.556	34.982	80.1	10.520	3550.	2.444	34.895	240.1	2.147
350.	9.794	34.898	82.7	9.753	3600.	2.435	34.894	240.4	2.134
400.	9.027	34.817	75.7	8.983	3650.	2.424	34.893	240.3	2.117
450.	8.142	34.727	79.7	8.095	3700.	2.415	34.892	240.5	2.103
500.	7.205	34.642	85.2	7.156	3750.	2.405	34.892	240.6	2.087
550.	6.375	34.566	103.4	6.325	3800.	2.397	34.891	240.8	2.074
600.	5.994	34.531	122.2	5.941	3850.	2.385	34.889	240.9	2.057
650.	5.811	34.529	118.0	5.755	3900.	2.370	34.888	241.3	2.037
700.	5.425	34.502	128.9	5.366	3950.	2.359	34.887	241.9	2.021
750.	5.153	34.488	135.7	5.091	4000.	2.351	34.886	242.1	2.007
800.	4.977	34.489	139.4	4.912	4050.	2.336	34.884	242.3	1.986
850.	4.746	34.497	140.0	4.678	4100.	2.331	34.883	242.7	1.976
900.	4.597	34.495	143.5	4.525	4150.	2.320	34.882	242.9	1.960
950.	4.380	34.523	152.2	4.305	4200.	2.312	34.881	243.2	1.946
1000.	4.304	34.553	153.9	4.225	4250.	2.309	34.880	243.4	1.937
1050.	4.283	34.600	158.0	4.200	4300.	2.294	34.879	243.7	1.917
1100.	4.231	34.645	165.1	4.144	4350.	2.285	34.877	244.0	1.902
1150.	4.242	34.683	170.8	4.151	4400.	2.254	34.874	244.2	1.866
1200.	4.242	34.725	176.2	4.147	4450.	2.244	34.873	244.6	1.850
1250.	4.249	34.782	183.3	4.150	4500.	2.234	34.872	244.9	1.835
1300.	4.193	34.817	191.2	4.089	4550.	2.236	34.871	245.3	1.831
1350.	4.174	34.854	197.8	4.066	4600.	2.238	34.871	245.0	1.826
1400.	4.150	34.886	206.5	4.037	4650.	2.229	34.870	244.3	1.812
1450.	4.114	34.905	212.4	3.997	4672.	2.232	34.870	243.8	1.812
1500.	4.090	34.926	219.9	3.969					
1550.	4.039	34.940	225.6	3.913					
1600.	4.009	34.951	229.5	3.879					
1650.	3.967	34.956	234.0	3.834					
1700.	3.870	34.959	236.9	3.733					
1750.	3.767	34.957	238.3	3.627					
1800.	3.719	34.956	239.0	3.575					
1850.	3.636	34.954	240.1	3.488					
1900.	3.571	34.952	240.7	3.419					
1950.	3.484	34.948	241.4	3.329					
2000.	3.401	34.944	242.0	3.242					
2050.	3.322	34.942	242.2	3.160					
2100.	3.252	34.941	242.3	3.086					
2150.	3.200	34.938	242.1	3.031					
2200.	3.164	34.936	241.8	2.990					
2250.	3.125	34.934	241.8	2.947					
2300.	3.068	34.931	241.8	2.886					
2350.	3.007	34.928	241.8	2.822					
2400.	2.965	34.926	242.0	2.775					
2450.	2.939	34.924	241.9	2.745					
2500.	2.889	34.923	241.8	2.691					
2550.	2.834	34.919	241.5	2.632					
2600.	2.803	34.917	241.5	2.597					
2650.	2.783	34.916	241.4	2.572					
2700.	2.765	34.914	241.2	2.550					
2750.	2.732	34.913	241.4	2.513					
2800.	2.710	34.912	241.1	2.486					



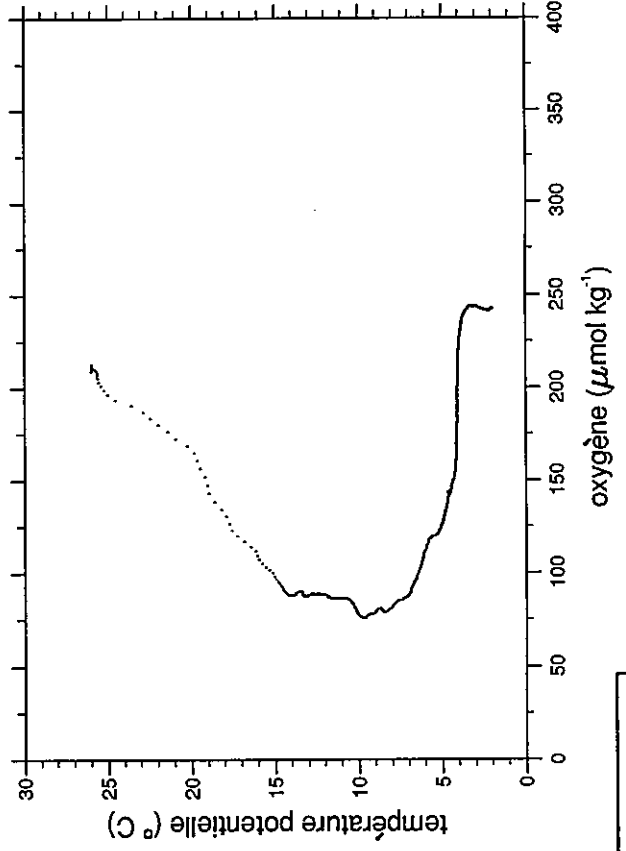
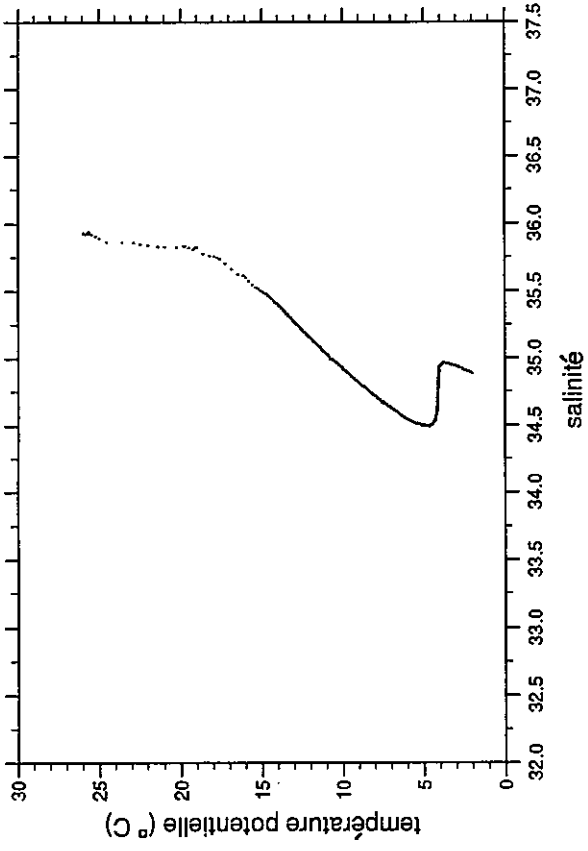
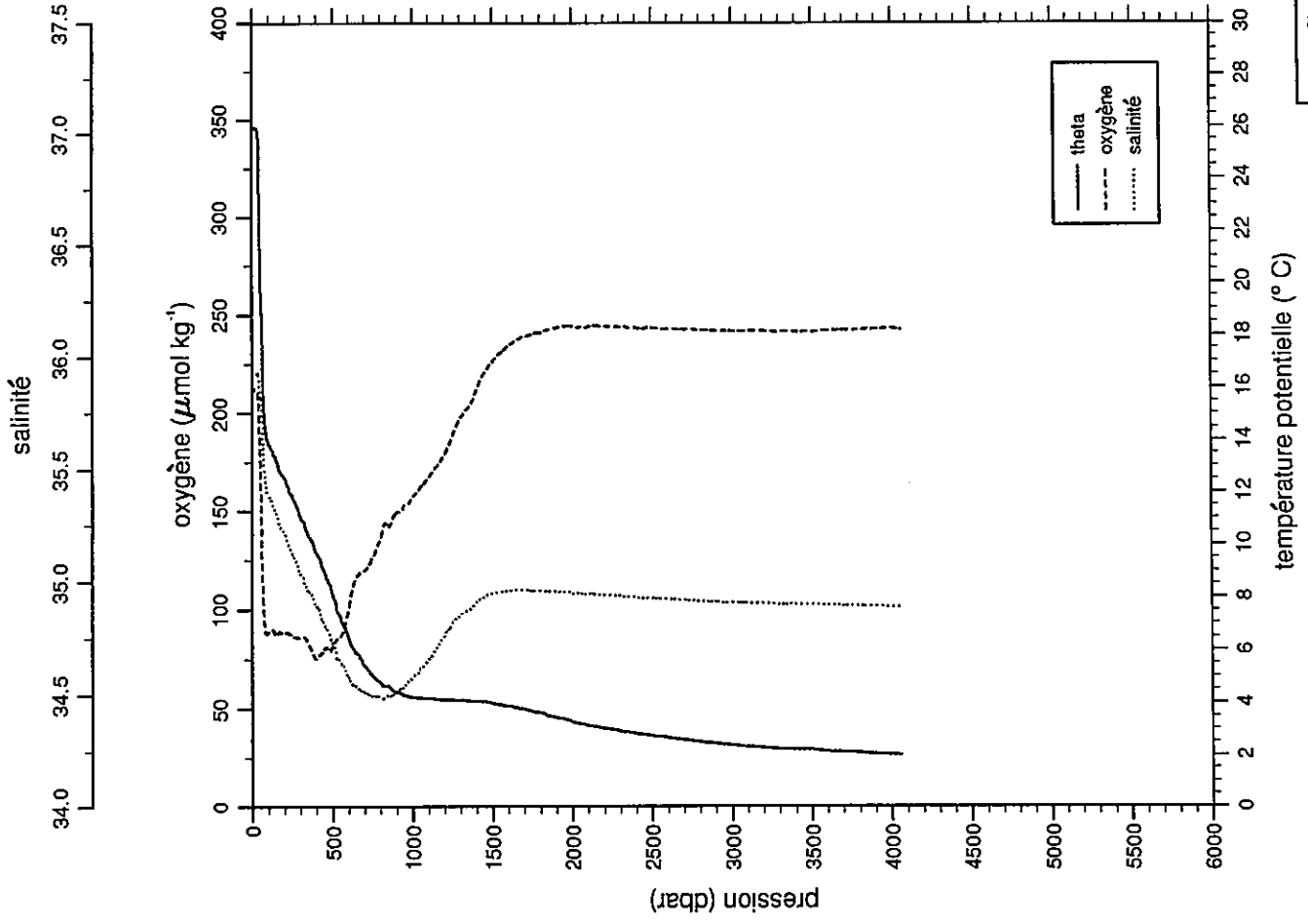
Station 33

Station : 34 Campagne : CITHER1
 Date : 11-01-93 Navire : L'ATALANTE
 Profondeur: 4578 m Organisme : IFREMER
 Position : S 4 30.00
 W 5 30.06

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.001	35.990	210.7	26.000	2850.	2.670	34.910	241.3	2.442
2.	26.003	35.989	207.8	26.002	2900.	2.646	34.908	241.1	2.414
3.	26.003	35.989	207.8	26.002	2950.	2.627	34.907	241.1	2.389
4.	26.001	35.990	208.4	26.000	3000.	2.616	34.906	240.9	2.374
5.	25.997	35.990	209.6	25.996	3050.	2.585	34.904	240.7	2.338
10.	26.003	35.990	212.1	26.001	3100.	2.578	34.903	240.5	2.326
20.	25.985	35.987	213.6	25.980	3150.	2.553	34.902	240.4	2.297
30.	25.877	35.983	210.8	25.870	3200.	2.535	34.901	240.3	2.273
40.	23.316	35.773	186.0	23.308	3250.	2.531	34.900	240.5	2.265
50.	20.112	35.862	147.3	20.103	3300.	2.521	34.900	240.4	2.249
100.	13.766	35.366	83.9	13.752	3350.	2.512	34.899	240.5	2.235
150.	12.862	35.254	89.1	12.842	3400.	2.503	34.898	240.6	2.221
200.	12.080	35.159	89.7	12.054	3450.	2.498	34.898	240.6	2.211
250.	11.445	35.083	88.5	11.414	3500.	2.471	34.897	240.6	2.179
300.	10.837	35.013	84.9	10.800	3550.	2.462	34.895	240.8	2.165
350.	10.283	34.941	80.8	10.241	3600.	2.457	34.896	240.9	2.154
400.	9.516	34.868	80.0	9.470	3650.	2.450	34.895	240.8	2.142
450.	8.784	34.791	77.2	8.735	3700.	2.436	34.893	240.8	2.123
500.	7.939	34.705	83.0	7.888	3750.	2.418	34.892	241.2	2.101
550.	7.101	34.630	87.5	7.048	3800.	2.403	34.891	241.4	2.081
600.	6.296	34.562	105.6	6.242	3850.	2.385	34.889	241.8	2.057
650.	5.949	34.541	112.9	5.892	3900.	2.366	34.887	242.1	2.032
700.	5.438	34.508	119.1	5.378	3950.	2.350	34.885	242.1	2.011
750.	5.201	34.496	126.0	5.139	4000.	2.341	34.885	242.4	1.998
800.	4.873	34.492	135.5	4.808	4050.	2.339	34.884	242.7	1.990
850.	4.655	34.494	141.6	4.587	4100.	2.339	34.884	242.8	1.984
900.	4.496	34.515	145.7	4.425	4150.	2.331	34.882	243.1	1.970
950.	4.352	34.540	151.3	4.278	4200.	2.309	34.880	243.2	1.943
1000.	4.283	34.573	154.4	4.205	4250.	2.303	34.879	243.6	1.932
1050.	4.240	34.612	158.6	4.158	4300.	2.299	34.879	243.8	1.922
1100.	4.215	34.645	162.7	4.129	4350.	2.285	34.877	244.3	1.902
1150.	4.220	34.692	170.7	4.130	4400.	2.277	34.876	244.3	1.889
1200.	4.162	34.753	176.4	4.067	4450.	2.272	34.875	244.3	1.877
1250.	4.140	34.790	184.9	4.041	4500.	2.256	34.873	244.1	1.856
1300.	4.095	34.837	194.4	3.992	4550.	2.256	34.873	244.2	1.850
1350.	4.108	34.869	201.5	4.001	4600.	2.259	34.873	243.6	1.847
1400.	4.121	34.899	211.7	4.008	4606.	2.259	34.873	242.8	1.847
1450.	4.065	34.919	218.1	3.949					
1500.	4.020	34.935	225.0	3.900					
1550.	4.012	34.948	229.0	3.887					
1600.	3.951	34.955	233.1	3.822					
1650.	3.892	34.958	235.9	3.759					
1700.	3.818	34.957	237.2	3.682					
1750.	3.783	34.957	238.4	3.643					
1800.	3.701	34.955	239.8	3.557					
1850.	3.653	34.954	240.3	3.505					
1900.	3.575	34.953	241.6	3.423					
1950.	3.509	34.951	243.3	3.354					
2000.	3.447	34.948	243.2	3.287					
2050.	3.391	34.946	243.3	3.227					
2100.	3.342	34.944	243.3	3.175					
2150.	3.277	34.942	243.8	3.106					
2200.	3.222	34.941	244.0	3.047					
2250.	3.152	34.937	243.3	2.973					
2300.	3.121	34.935	243.3	2.938					
2350.	3.078	34.933	243.4	2.892					
2400.	3.017	34.930	243.0	2.827					
2450.	2.992	34.928	243.2	2.797					
2500.	2.950	34.925	242.9	2.751					
2550.	2.897	34.923	242.1	2.694					
2600.	2.816	34.918	241.9	2.609					
2650.	2.801	34.916	241.7	2.590					
2700.	2.775	34.915	241.6	2.560					
2750.	2.742	34.913	241.6	2.522					
2800.	2.702	34.911	241.3	2.478					



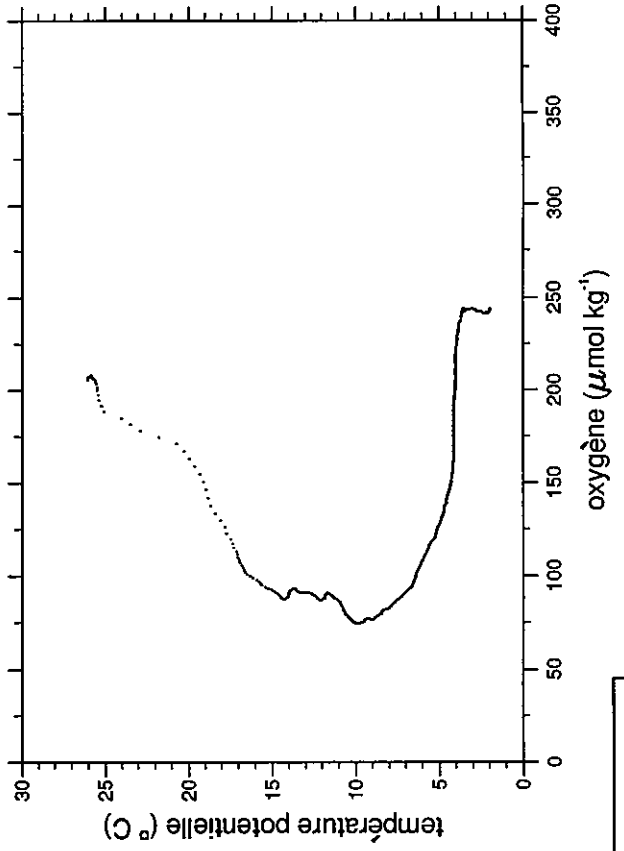
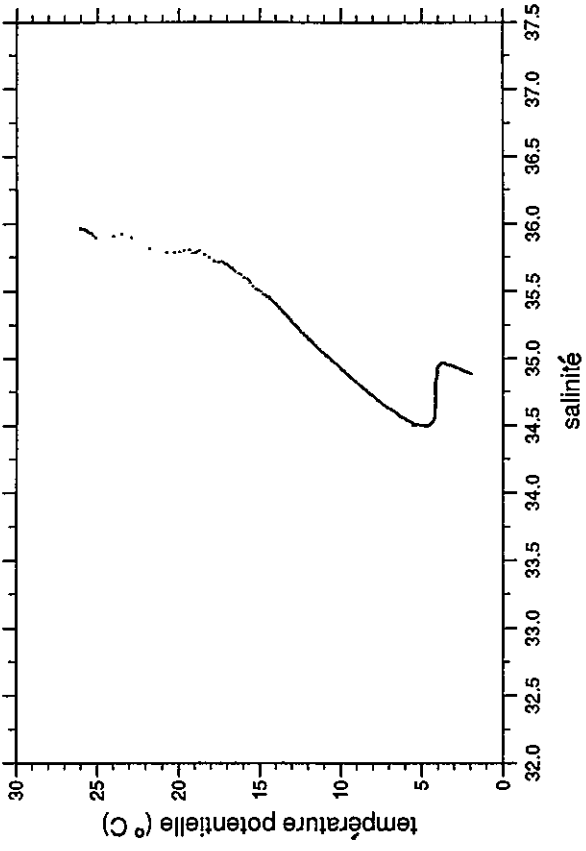
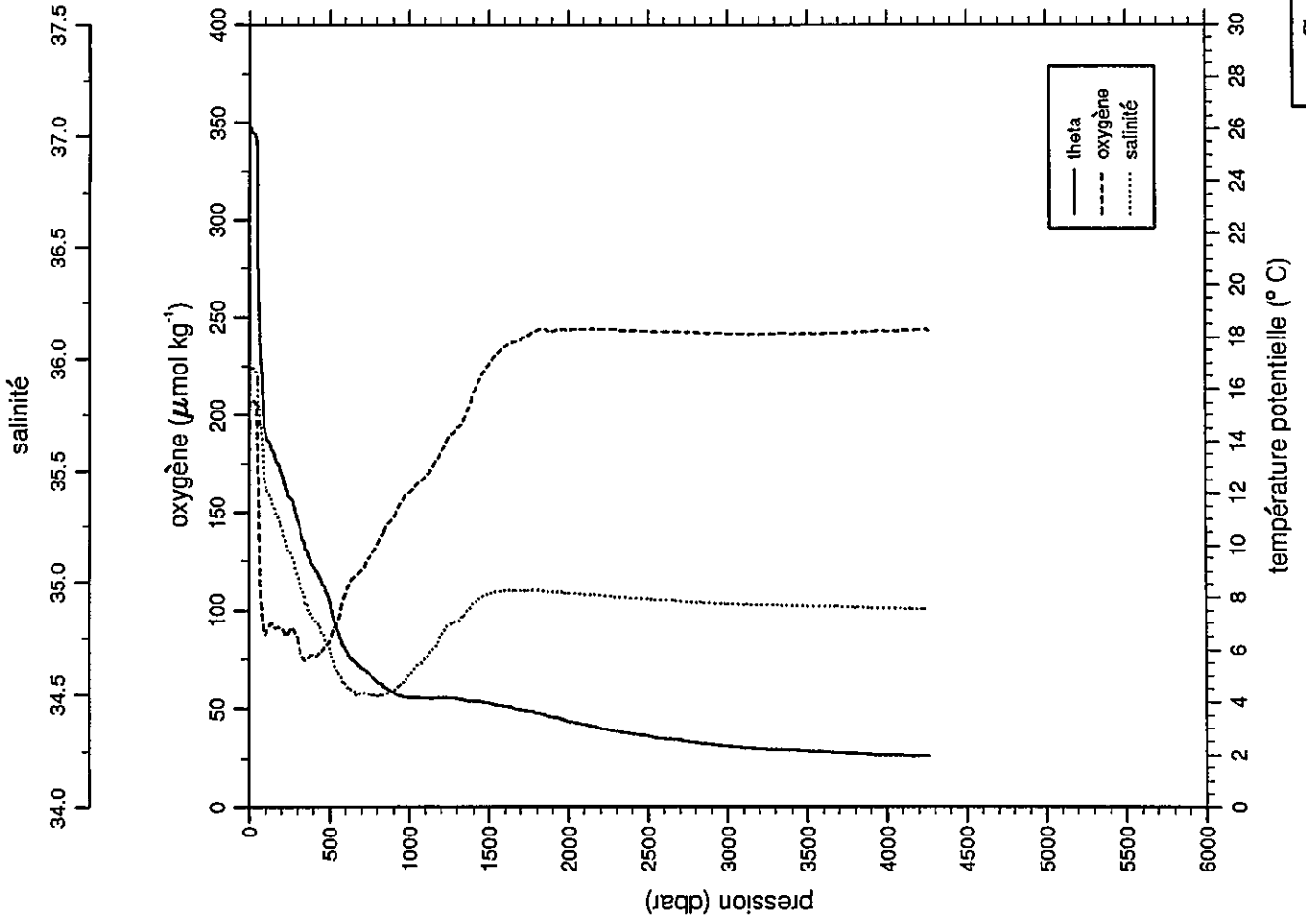
Station 34



Station 35

Station	: 36	Campagne	: CITHER1
Date	: 11-01-93	Navire	: L'ATALANTE
Profondeur	: 4228 m	Organisme	: IFREMER
Position	: S 4 29.99		
	W 6 30.01		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.993	35.961	207.1	25.993	2850.	2.653	34.909	241.7	2.425
2.	26.034	35.963	205.5	26.034	2900.	2.616	34.905	241.7	2.384
3.	26.041	35.964	205.6	26.040	2950.	2.594	34.905	241.7	2.357
4.	26.048	35.964	206.1	26.047	3000.	2.566	34.904	241.5	2.324
5.	26.049	35.964	206.8	26.048	3050.	2.553	34.902	241.5	2.307
10.	25.920	35.958	207.7	25.918	3100.	2.523	34.901	241.5	2.273
20.	25.835	35.959	208.2	25.831	3150.	2.505	34.900	241.3	2.250
30.	25.787	35.957	206.8	25.780	3200.	2.496	34.899	241.3	2.235
40.	25.613	35.943	204.5	25.604	3250.	2.485	34.899	241.4	2.219
50.	22.907	35.894	178.1	22.897	3300.	2.477	34.899	241.7	2.206
100.	14.287	35.436	87.4	14.273	3350.	2.471	34.898	241.7	2.196
150.	13.586	35.349	92.5	13.565	3400.	2.457	34.898	241.5	2.176
200.	12.809	35.247	90.9	12.781	3450.	2.455	34.897	241.7	2.169
250.	11.880	35.135	89.3	11.847	3500.	2.439	34.895	241.6	2.148
300.	10.972	35.028	85.9	10.935	3550.	2.430	34.895	241.4	2.134
350.	10.002	34.916	74.6	9.961	3600.	2.422	34.894	241.7	2.121
400.	9.231	34.839	77.0	9.187	3650.	2.417	34.894	241.7	2.110
450.	8.687	34.782	79.0	8.638	3700.	2.404	34.892	241.9	2.092
500.	7.912	34.705	84.3	7.861	3750.	2.384	34.890	242.0	2.067
550.	6.829	34.607	93.2	6.777	3800.	2.376	34.890	242.2	2.054
600.	6.093	34.547	107.7	6.040	3850.	2.370	34.889	242.4	2.043
650.	5.639	34.521	116.5	5.584	3900.	2.358	34.887	242.7	2.025
700.	5.348	34.508	120.2	5.290	3950.	2.337	34.886	243.1	1.999
750.	5.118	34.498	126.8	5.056	4000.	2.333	34.885	242.7	1.990
800.	4.842	34.492	133.3	4.778	4050.	2.335	34.885	243.0	1.985
850.	4.628	34.499	141.8	4.561	4100.	2.335	34.885	243.4	1.980
900.	4.450	34.518	147.4	4.379	4150.	2.334	34.884	243.5	1.973
950.	4.309	34.549	155.1	4.235	4200.	2.331	34.883	243.7	1.964
1000.	4.260	34.586	159.9	4.182	4250.	2.333	34.883	243.8	1.961
1050.	4.245	34.629	164.4	4.163	4263.	2.331	34.883	243.1	1.957
1100.	4.232	34.656	168.3	4.145					
1150.	4.230	34.705	174.3	4.140					
1200.	4.243	34.761	180.9	4.148					
1250.	4.254	34.808	188.6	4.154					
1300.	4.231	34.826	193.1	4.127					
1350.	4.170	34.856	199.0	4.062					
1400.	4.155	34.906	210.3	4.042					
1450.	4.137	34.930	219.6	4.020					
1500.	4.085	34.943	225.6	3.964					
1550.	4.004	34.954	231.2	3.880					
1600.	3.957	34.960	235.1	3.829					
1650.	3.917	34.959	237.1	3.784					
1700.	3.844	34.960	238.2	3.707					
1750.	3.793	34.961	240.8	3.653					
1800.	3.733	34.962	243.1	3.589					
1850.	3.662	34.958	243.7	3.513					
1900.	3.586	34.953	242.5	3.434					
1950.	3.535	34.952	243.6	3.379					
2000.	3.430	34.949	243.5	3.271					
2050.	3.377	34.947	243.6	3.214					
2100.	3.320	34.943	243.7	3.153					
2150.	3.261	34.942	243.9	3.090					
2200.	3.175	34.938	243.8	3.001					
2250.	3.128	34.936	243.7	2.950					
2300.	3.063	34.932	243.5	2.881					
2350.	3.026	34.930	243.1	2.840					
2400.	2.979	34.927	243.0	2.789					
2450.	2.938	34.926	242.9	2.744					
2500.	2.904	34.924	242.7	2.706					
2550.	2.835	34.920	242.4	2.633					
2600.	2.820	34.919	242.5	2.613					
2650.	2.800	34.918	242.4	2.589					
2700.	2.779	34.916	242.3	2.563					
2750.	2.730	34.912	242.3	2.510					
2800.	2.689	34.910	242.2	2.465					



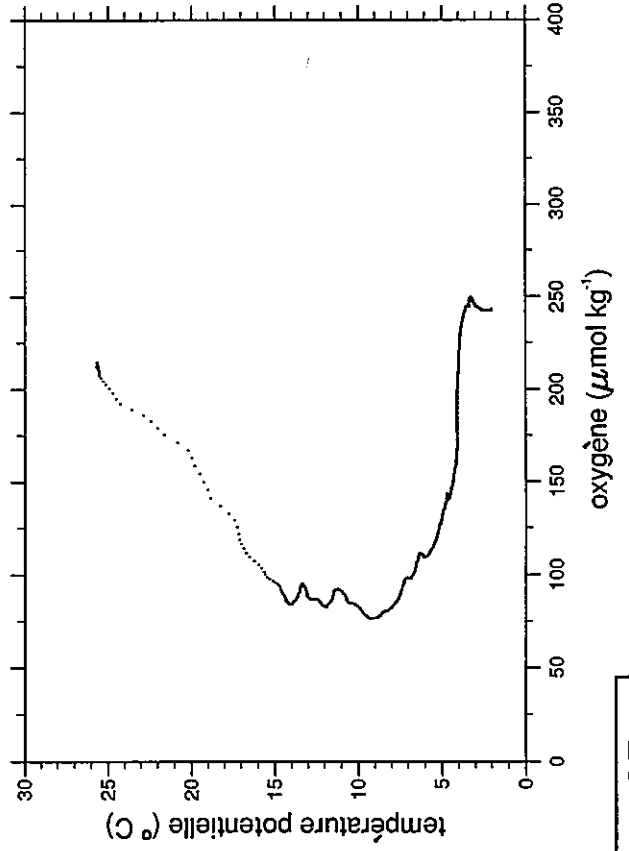
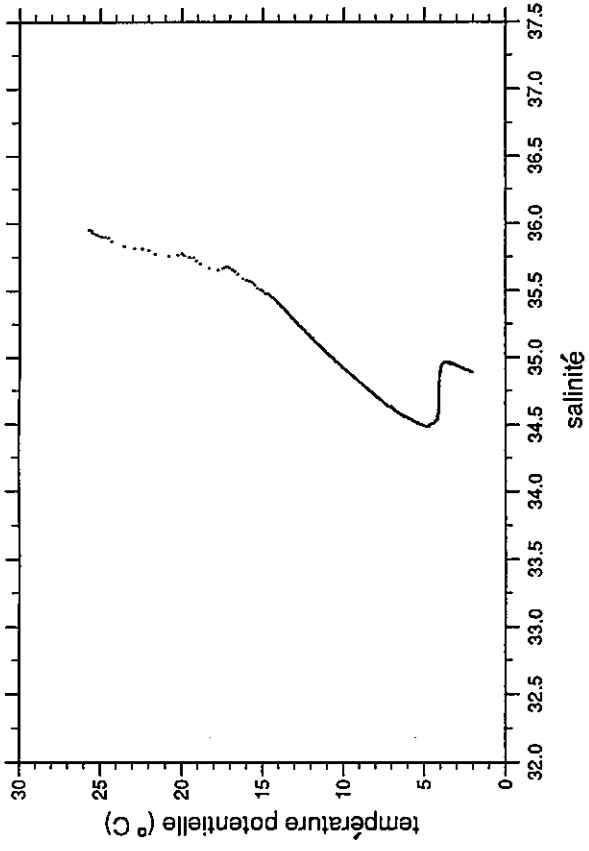
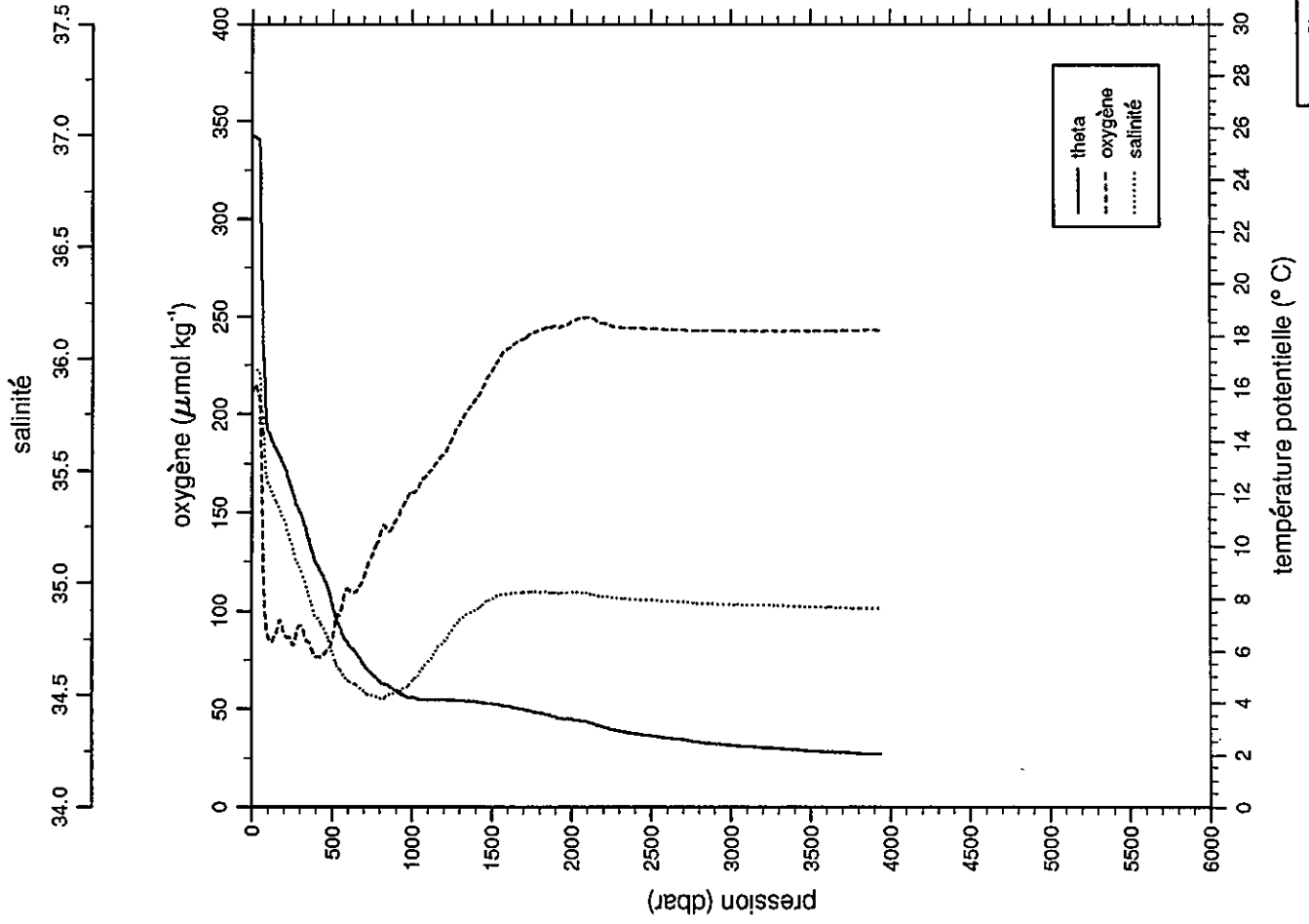
Station 36

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| Station   : 37      Campagne  : CITHER1
| Date      : 11-01-93  Navire   : L'ATALANTE
| Profondeur: 3910 m   Organisme : IFRMER
| Position  : S    4 29.99
|            W    6 59.95
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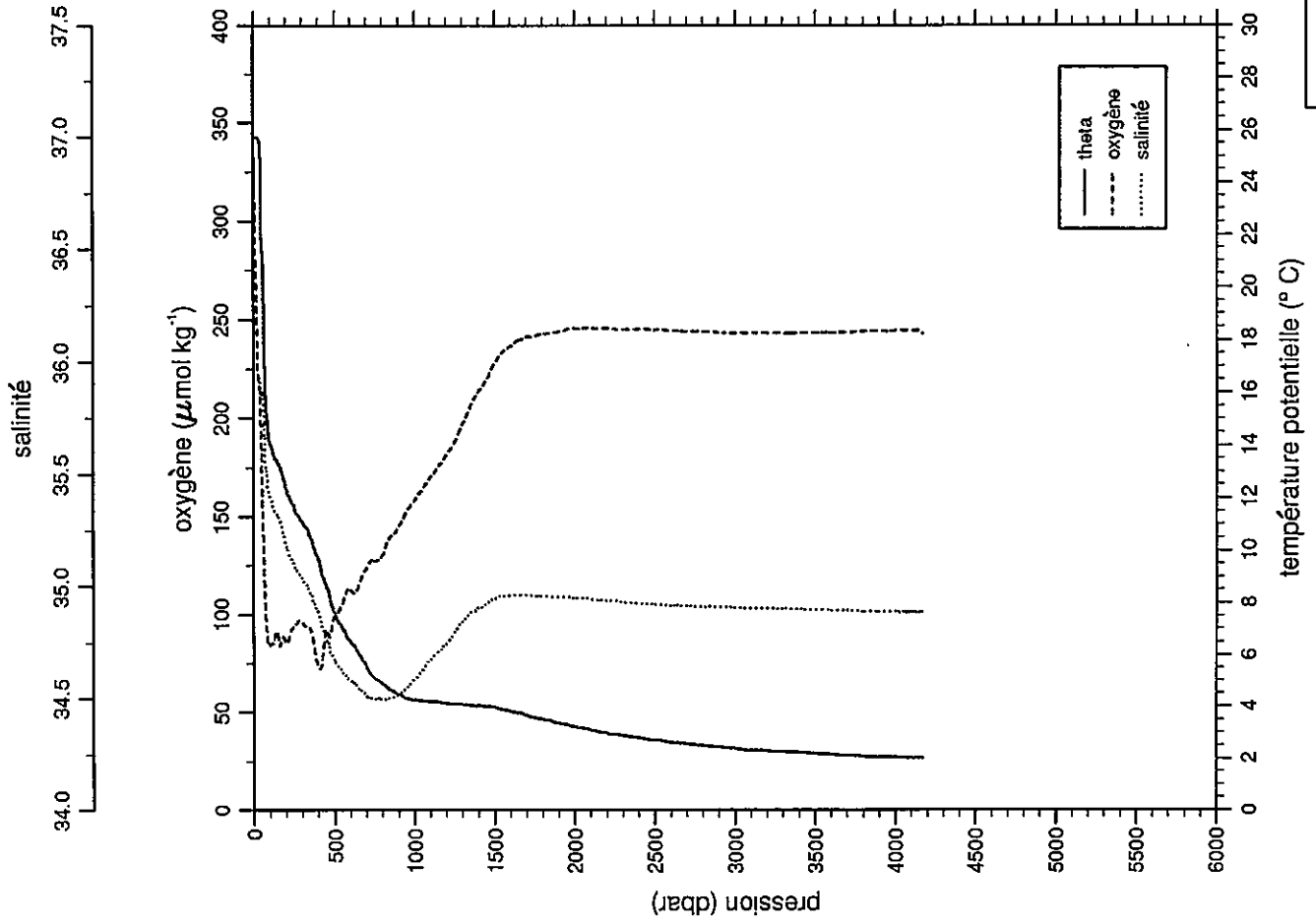
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.675	35.953	213.1	25.674	2850.	2.658	34.907	242.6	2.430
2.	25.673	35.953	211.7	25.673	2900.	2.637	34.906	242.6	2.405
3.	25.673	35.953	212.0	25.672	2950.	2.617	34.906	242.5	2.380
4.	25.673	35.953	212.1	25.672	3000.	2.599	34.904	242.3	2.357
5.	25.674	35.953	212.5	25.672	3050.	2.568	34.903	242.5	2.322
10.	25.675	35.953	214.0	25.673	3100.	2.554	34.903	242.3	2.303
20.	25.663	35.951	214.6	25.659	3150.	2.543	34.902	242.3	2.286
30.	25.604	35.946	212.7	25.598	3200.	2.522	34.901	242.2	2.261
40.	25.574	35.948	210.4	25.565	3250.	2.514	34.901	242.4	2.248
50.	24.929	35.898	200.5	24.918	3300.	2.506	34.900	242.2	2.235
100.	14.367	35.445	87.0	14.352	3350.	2.481	34.899	242.2	2.206
150.	13.664	35.359	88.3	13.643	3400.	2.466	34.897	242.4	2.185
200.	13.080	35.284	88.4	13.052	3450.	2.452	34.896	242.4	2.167
250.	12.141	35.168	83.4	12.108	3500.	2.427	34.894	242.3	2.136
300.	11.299	35.065	92.6	11.262	3550.	2.427	34.894	242.5	2.131
350.	10.339	34.955	84.4	10.297	3600.	2.405	34.892	242.5	2.105
400.	9.354	34.854	76.6	9.309	3650.	2.401	34.892	242.5	2.095
450.	8.804	34.793	77.9	8.755	3700.	2.396	34.891	242.6	2.084
500.	7.845	34.698	84.7	7.794	3750.	2.379	34.890	242.7	2.062
550.	6.921	34.616	97.9	6.869	3800.	2.373	34.889	242.8	2.051
600.	6.360	34.568	111.2	6.305	3850.	2.362	34.888	243.0	2.034
650.	5.992	34.545	109.7	5.935	3900.	2.362	34.887	243.1	2.029
700.	5.509	34.512	117.1	5.449	3940.	2.365	34.887	242.3	2.027
750.	5.155	34.498	127.9	5.093					
800.	4.883	34.485	138.0	4.819					
850.	4.718	34.498	140.5	4.650					
900.	4.529	34.513	145.9	4.458					
950.	4.342	34.529	154.2	4.268					
1000.	4.270	34.562	160.7	4.192					
1050.	4.202	34.601	164.4	4.120					
1100.	4.179	34.648	169.7	4.093					
1150.	4.187	34.700	175.0	4.097					
1200.	4.190	34.738	179.7	4.095					
1250.	4.180	34.787	187.2	4.081					
1300.	4.177	34.834	195.2	4.073					
1350.	4.160	34.861	202.1	4.052					
1400.	4.147	34.882	207.5	4.034					
1450.	4.104	34.910	214.5	3.988					
1500.	4.065	34.929	221.8	3.944					
1550.	4.036	34.945	228.7	3.911					
1600.	3.985	34.954	233.3	3.856					
1650.	3.918	34.957	236.6	3.785					
1700.	3.865	34.958	238.5	3.728					
1750.	3.797	34.960	241.3	3.656					
1800.	3.733	34.960	242.8	3.588					
1850.	3.686	34.961	244.6	3.538					
1900.	3.597	34.956	245.0	3.445					
1950.	3.537	34.955	245.2	3.381					
2000.	3.521	34.958	247.5	3.361					
2050.	3.460	34.956	249.1	3.296					
2100.	3.422	34.955	249.5	3.253					
2150.	3.330	34.946	248.3	3.158					
2200.	3.230	34.940	246.4	3.055					
2250.	3.145	34.937	245.0	2.966					
2300.	3.088	34.934	244.4	2.906					
2350.	3.035	34.930	244.2	2.849					
2400.	2.995	34.928	243.9	2.805					
2450.	2.956	34.925	243.8	2.762					
2500.	2.930	34.924	243.7	2.732					
2550.	2.890	34.922	243.5	2.687					
2600.	2.840	34.919	243.2	2.634					
2650.	2.812	34.917	243.1	2.601					
2700.	2.791	34.916	243.0	2.575					
2750.	2.736	34.912	242.7	2.516					
2800.	2.689	34.909	242.6	2.465					



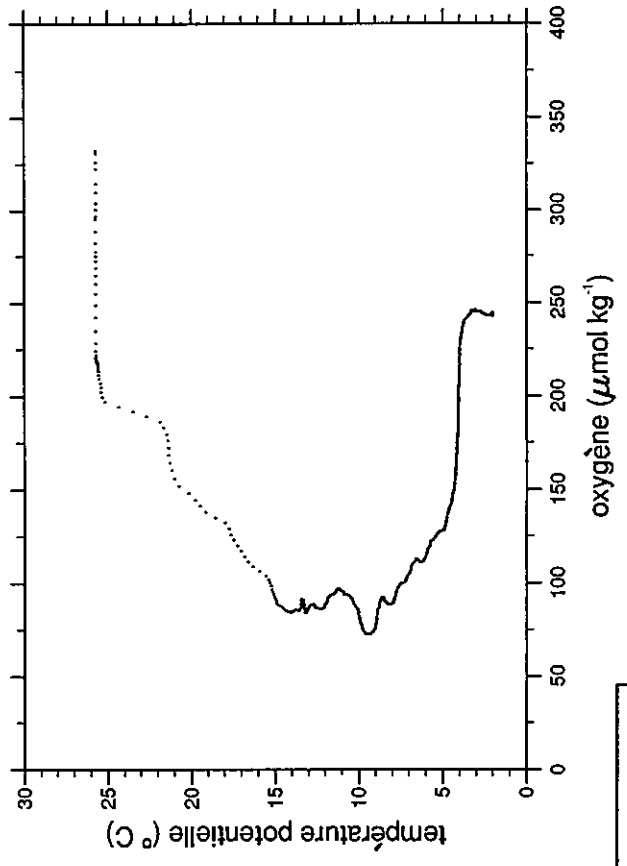
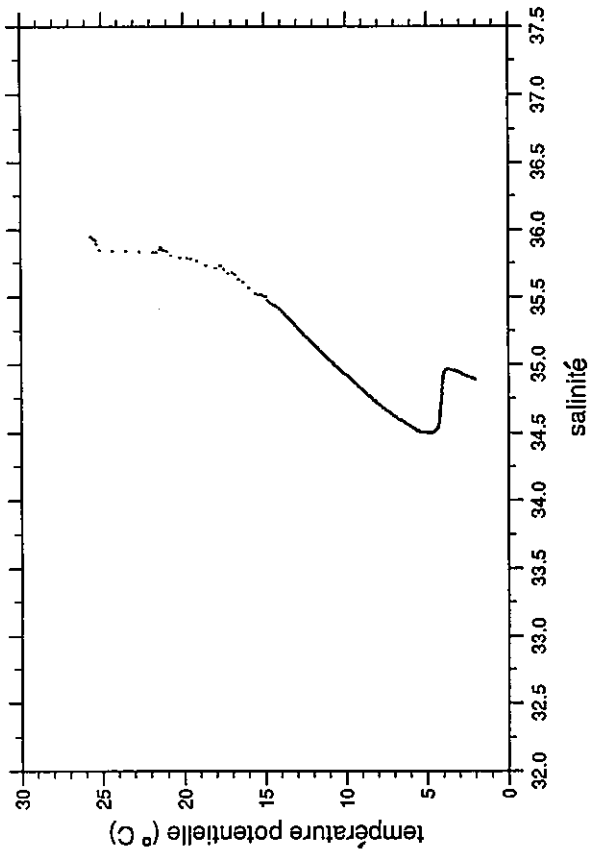
Station 37

Station : 38 Campagne : CITHER1
 Date : 12-01-93 Navire : L'ATALANTE
 Profondeur: 4143 m Organisme : IFREMER
 Position : S 4 30.00
 W 7 29.96

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.695	35.949	330.9	25.694	2850.	2.683	34.909	243.6	2.454
2.	25.691	35.949	296.8	25.690	2900.	2.657	34.908	243.5	2.424
3.	25.693	35.949	300.2	25.693	2950.	2.640	34.908	243.2	2.403
4.	25.695	35.949	309.8	25.694	3000.	2.608	34.905	243.1	2.366
5.	25.696	35.949	322.2	25.695	3050.	2.580	34.903	243.1	2.333
10.	25.695	35.949	295.4	25.693	3100.	2.560	34.903	243.1	2.308
20.	25.689	35.948	249.0	25.685	3150.	2.552	34.902	243.1	2.295
30.	25.664	35.944	218.8	25.658	3200.	2.534	34.902	243.1	2.273
40.	25.443	35.923	207.0	25.434	3250.	2.529	34.901	243.1	2.262
50.	21.475	35.851	179.7	21.465	3300.	2.518	34.900	243.0	2.247
100.	14.012	35.403	84.3	13.998	3350.	2.504	34.900	243.0	2.228
150.	13.308	35.311	89.5	13.287	3400.	2.496	34.899	243.0	2.215
200.	12.347	35.192	86.0	12.321	3450.	2.484	34.897	243.2	2.197
250.	11.697	35.107	93.7	11.665	3500.	2.469	34.897	243.2	2.177
300.	11.091	35.038	96.0	11.054	3550.	2.458	34.896	243.2	2.162
350.	10.547	34.977	92.7	10.505	3600.	2.437	34.894	243.2	2.135
400.	9.674	34.888	73.6	9.629	3650.	2.427	34.893	243.2	2.120
450.	8.693	34.775	92.0	8.645	3700.	2.423	34.892	243.4	2.111
500.	7.628	34.674	99.0	7.578	3750.	2.405	34.891	243.6	2.087
550.	7.019	34.619	105.5	6.966	3800.	2.386	34.890	243.8	2.064
600.	6.548	34.581	112.8	6.493	3850.	2.372	34.888	243.9	2.044
650.	6.073	34.546	114.2	6.015	3900.	2.372	34.887	244.1	2.039
700.	5.556	34.512	123.5	5.496	3950.	2.376	34.888	244.1	2.037
750.	5.130	34.499	127.4	5.068	4000.	2.375	34.888	244.3	2.030
800.	4.909	34.497	130.3	4.844	4050.	2.373	34.887	244.3	2.023
850.	4.677	34.503	139.7	4.609	4100.	2.379	34.886	244.5	2.022
900.	4.520	34.519	144.7	4.449	4150.	2.383	34.887	244.1	2.021
950.	4.367	34.548	152.9	4.293	4170.	2.384	34.886	242.8	2.019
1000.	4.315	34.588	158.2	4.237					
1050.	4.277	34.628	163.8	4.194					
1100.	4.258	34.675	170.0	4.172					
1150.	4.236	34.710	176.0	4.145					
1200.	4.186	34.747	181.3	4.091					
1250.	4.181	34.797	187.9	4.082					
1300.	4.160	34.843	197.1	4.056					
1350.	4.123	34.881	206.3	4.015					
1400.	4.123	34.909	213.5	4.011					
1450.	4.091	34.923	219.8	3.974					
1500.	4.062	34.946	228.2	3.941					
1550.	3.980	34.957	233.8	3.855					
1600.	3.925	34.960	236.7	3.796					
1650.	3.866	34.963	239.6	3.733					
1700.	3.773	34.961	241.2	3.637					
1750.	3.691	34.958	241.6	3.552					
1800.	3.636	34.956	242.6	3.493					
1850.	3.591	34.955	243.4	3.443					
1900.	3.496	34.952	243.8	3.345					
1950.	3.446	34.952	245.1	3.291					
2000.	3.381	34.950	245.5	3.223					
2050.	3.325	34.948	245.7	3.163					
2100.	3.265	34.944	246.3	3.100					
2150.	3.187	34.940	245.7	3.017					
2200.	3.134	34.937	245.7	2.961					
2250.	3.090	34.935	245.1	2.913					
2300.	3.051	34.931	245.0	2.870					
2350.	3.013	34.928	244.9	2.827					
2400.	2.964	34.925	245.2	2.775					
2450.	2.918	34.922	245.1	2.725					
2500.	2.891	34.920	244.8	2.693					
2550.	2.856	34.919	244.7	2.654					
2600.	2.809	34.915	244.5	2.603					
2650.	2.794	34.915	244.2	2.583					
2700.	2.766	34.913	244.1	2.551					
2750.	2.732	34.911	243.9	2.513					
2800.	2.706	34.910	243.7	2.482					

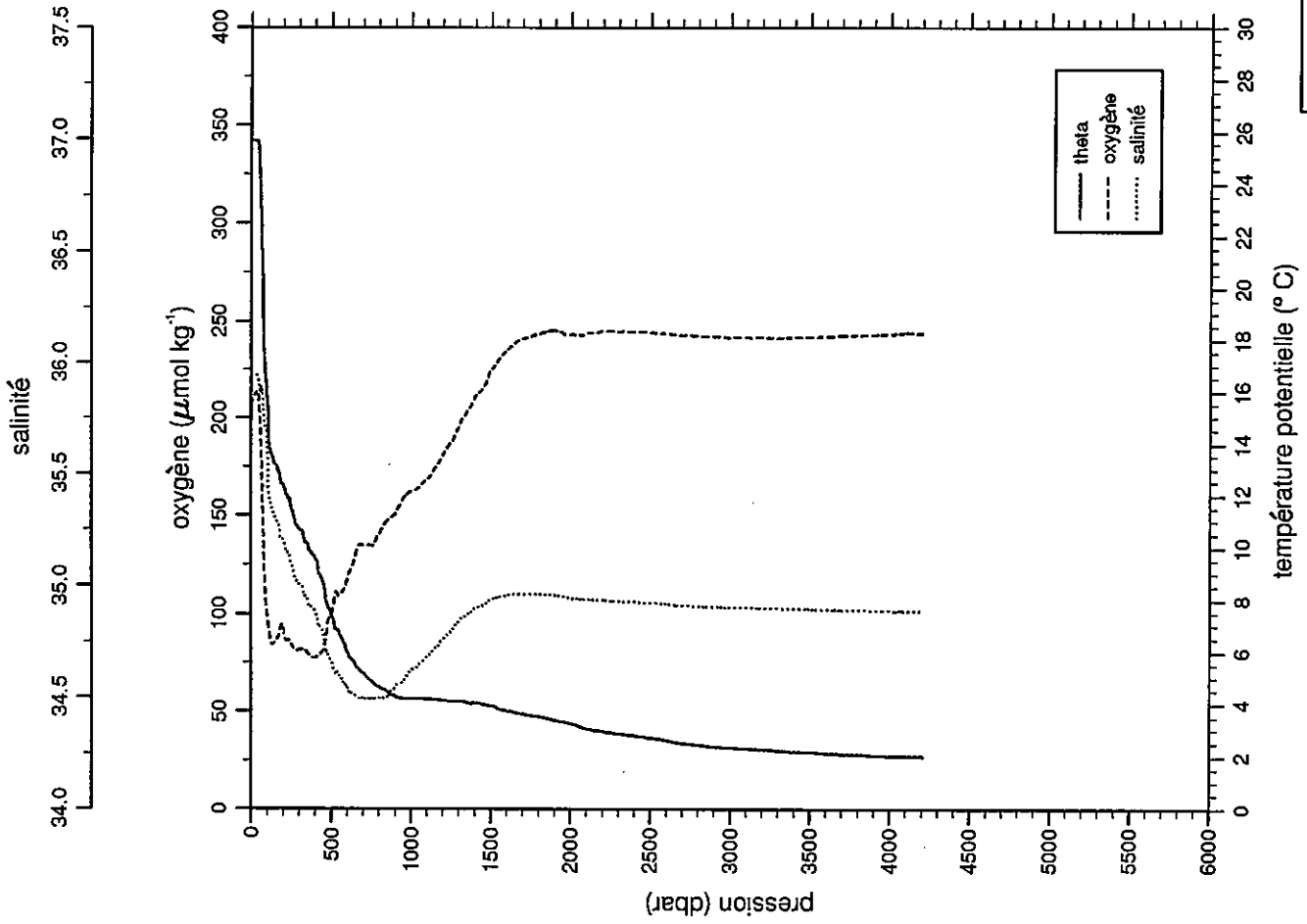


Station 38

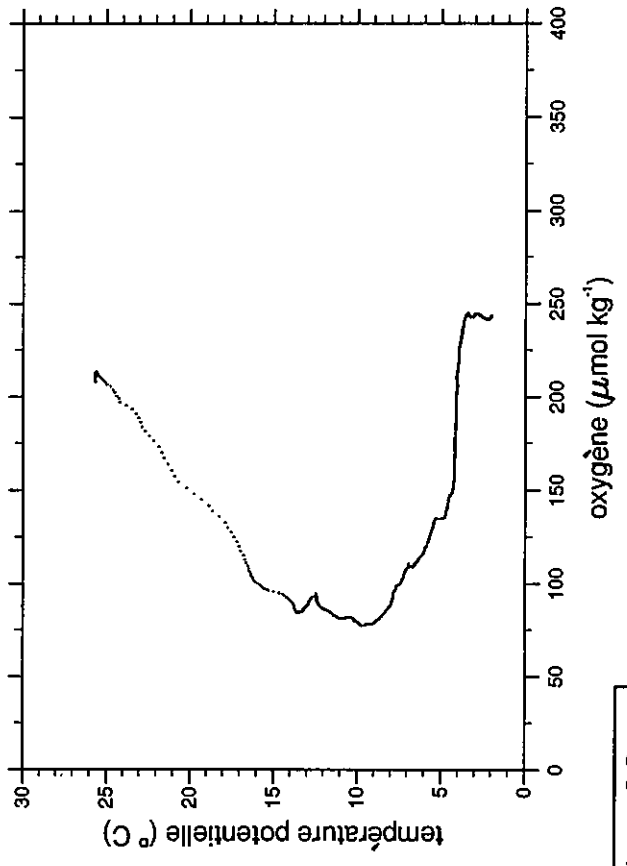
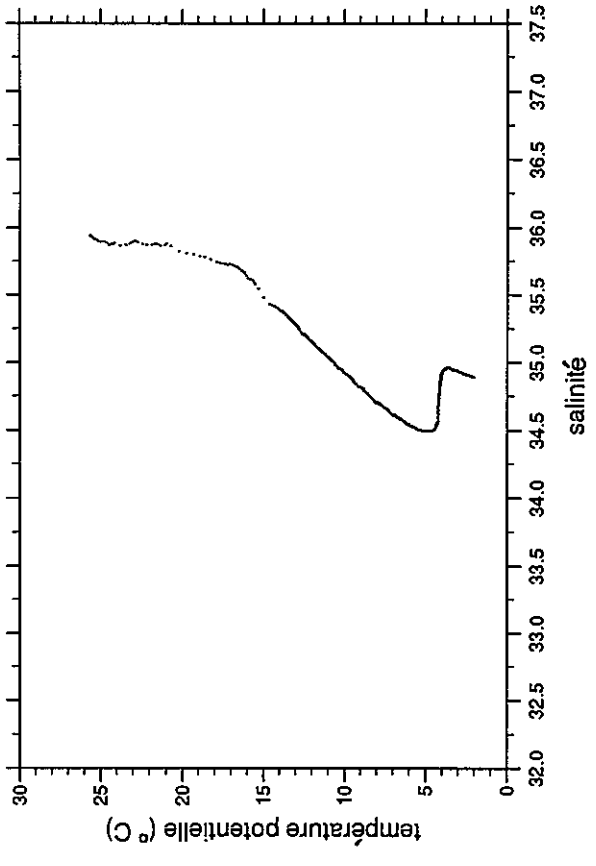


Station : 39 Campagne : CITHERI
 Date : 12-01-93 Navire : L'ATALANTE
 Profondeur: 4181 m Organisme : IFREMER
 Position : S 4 30.10
 W 7 59.89

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.651	35.944	209.3	25.651	2850.	2.661	34.906	242.1	2.432
2.	25.650	35.944	207.8	25.650	2900.	2.629	34.904	242.1	2.397
3.	25.651	35.944	207.8	25.651	2950.	2.607	34.903	241.9	2.370
4.	25.652	35.944	208.2	25.651	3000.	2.593	34.903	241.6	2.351
5.	25.652	35.944	208.9	25.651	3050.	2.586	34.902	241.8	2.339
10.	25.651	35.944	209.5	25.648	3100.	2.578	34.902	241.8	2.326
20.	25.647	35.943	211.3	25.642	3150.	2.555	34.901	241.6	2.299
30.	25.650	35.943	212.9	25.643	3200.	2.531	34.899	241.8	2.270
40.	25.606	35.936	213.4	25.597	3250.	2.534	34.899	241.6	2.268
50.	24.960	35.897	206.6	24.949	3300.	2.517	34.899	241.3	2.246
100.	15.742	35.615	98.9	15.726	3350.	2.501	34.897	241.6	2.225
150.	13.211	35.302	86.0	13.190	3400.	2.495	34.897	241.8	2.214
200.	12.445	35.202	92.9	12.418	3450.	2.478	34.896	241.7	2.192
250.	11.584	35.098	84.3	11.552	3500.	2.473	34.895	241.7	2.181
300.	10.760	35.007	81.4	10.724	3550.	2.459	34.895	241.9	2.162
350.	10.208	34.945	80.0	10.167	3600.	2.444	34.893	242.1	2.142
400.	9.650	34.884	77.3	9.604	3650.	2.434	34.893	242.1	2.127
450.	8.707	34.782	80.9	8.659	3700.	2.429	34.892	242.3	2.117
500.	7.501	34.657	99.7	7.451	3750.	2.422	34.891	242.5	2.104
550.	6.791	34.593	108.9	6.739	3800.	2.426	34.891	242.4	2.102
600.	6.065	34.541	117.4	6.012	3850.	2.418	34.890	242.7	2.089
650.	5.591	34.505	128.9	5.535	3900.	2.401	34.889	242.8	2.067
700.	5.264	34.495	134.6	5.206	3950.	2.393	34.888	243.0	2.054
750.	4.954	34.494	134.5	4.893	4000.	2.390	34.887	243.1	2.045
800.	4.724	34.494	140.5	4.660	4050.	2.391	34.886	243.3	2.040
850.	4.565	34.502	147.0	4.498	4100.	2.390	34.886	243.6	2.033
900.	4.387	34.543	150.6	4.316	4150.	2.391	34.886	243.5	2.028
950.	4.294	34.569	158.3	4.220	4200.	2.394	34.886	243.5	2.026
1000.	4.307	34.617	162.1	4.229	4208.	2.395	34.885	242.9	2.025
1050.	4.303	34.648	164.2	4.220					
1100.	4.295	34.681	168.4	4.208					
1150.	4.276	34.716	174.1	4.185					
1200.	4.258	34.763	181.0	4.162					
1250.	4.230	34.794	187.4	4.131					
1300.	4.227	34.849	195.5	4.123					
1350.	4.178	34.873	203.1	4.070					
1400.	4.176	34.899	210.5	4.063					
1450.	4.129	34.913	215.8	4.012					
1500.	4.080	34.938	224.4	3.959					
1550.	3.958	34.949	230.4	3.833					
1600.	3.882	34.955	234.9	3.754					
1650.	3.834	34.962	238.6	3.702					
1700.	3.788	34.963	241.0	3.652					
1750.	3.731	34.962	242.2	3.591					
1800.	3.697	34.961	243.4	3.553					
1850.	3.640	34.960	244.4	3.492					
1900.	3.561	34.955	244.9	3.410					
1950.	3.504	34.951	243.7	3.349					
2000.	3.441	34.945	242.9	3.282					
2050.	3.342	34.941	242.5	3.180					
2100.	3.247	34.938	243.6	3.081					
2150.	3.184	34.937	243.9	3.015					
2200.	3.158	34.936	244.7	2.985					
2250.	3.109	34.933	244.7	2.932					
2300.	3.073	34.930	244.5	2.891					
2350.	3.038	34.929	244.4	2.852					
2400.	3.013	34.927	244.5	2.823					
2450.	2.985	34.925	244.4	2.790					
2500.	2.933	34.922	244.2	2.734					
2550.	2.910	34.920	243.4	2.707					
2600.	2.856	34.918	243.4	2.649					
2650.	2.786	34.913	243.0	2.575					
2700.	2.749	34.911	242.6	2.534					
2750.	2.725	34.909	242.5	2.506					
2800.	2.693	34.908	242.2	2.469					

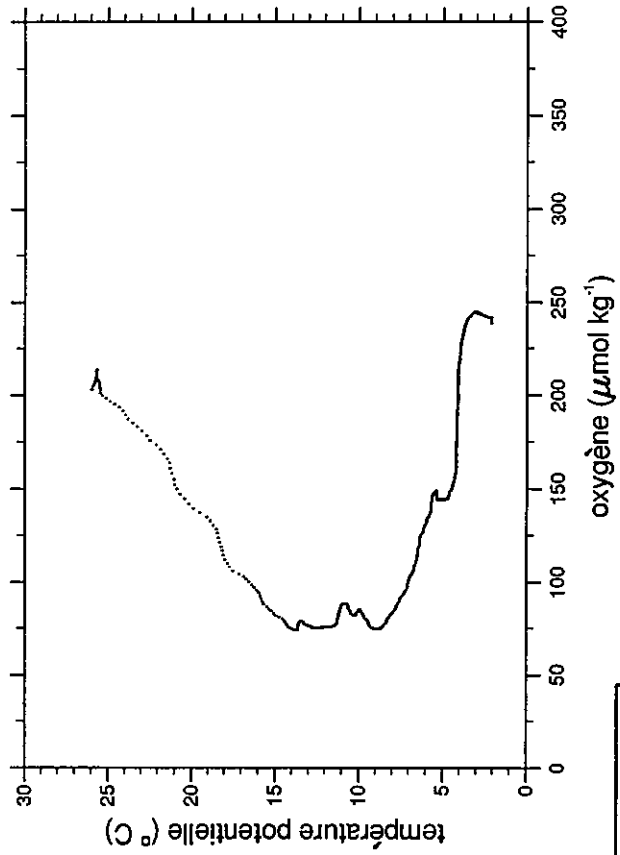
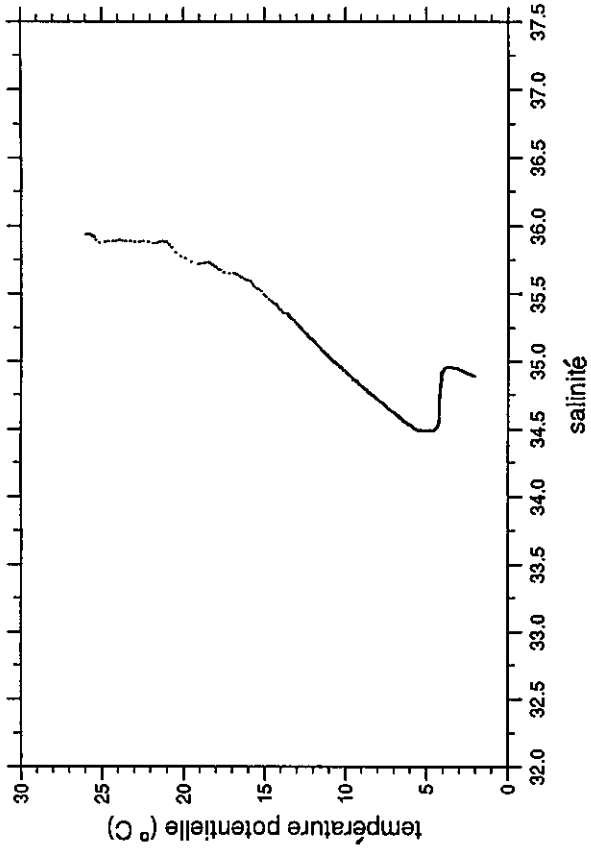
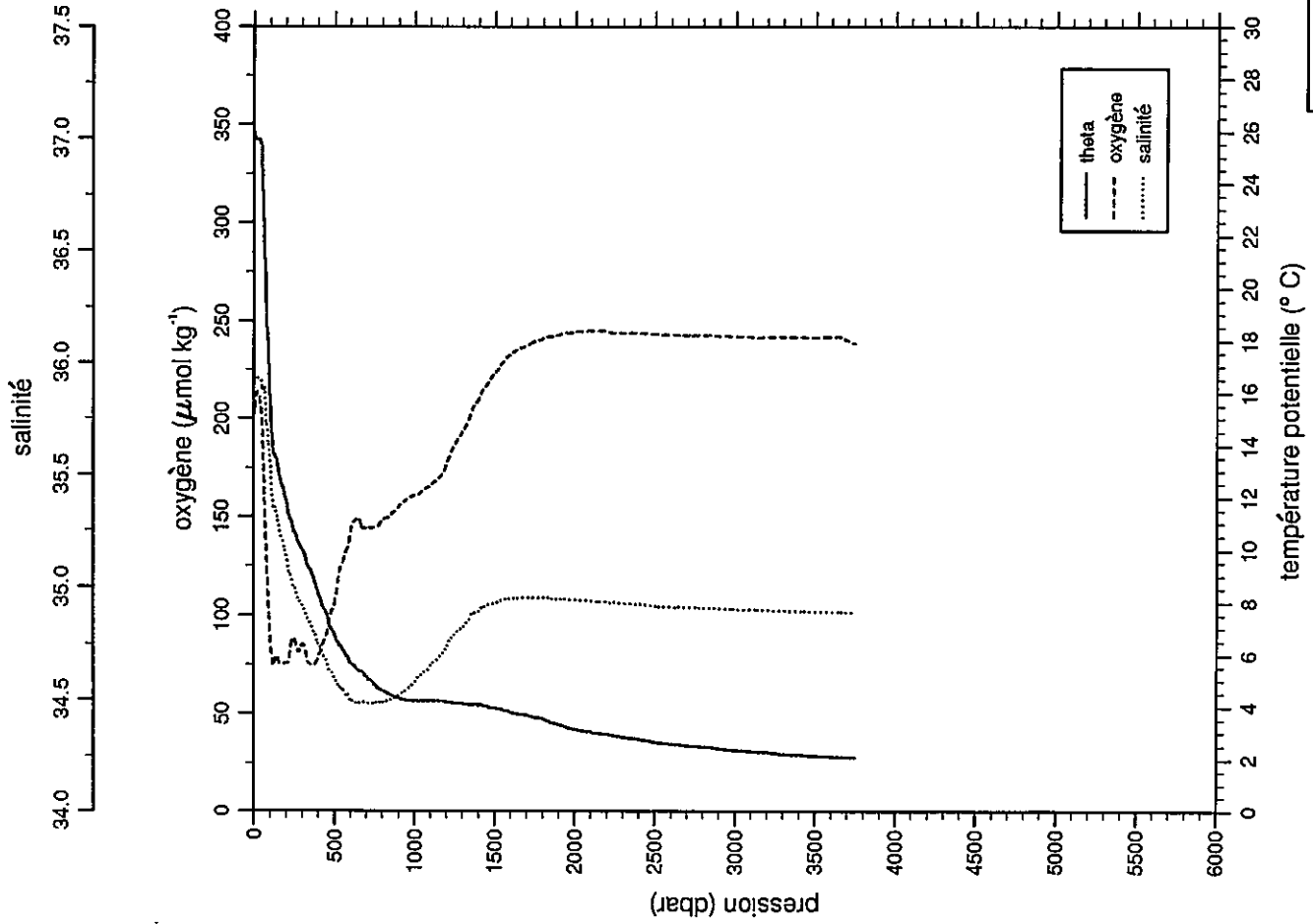


Station 39



Station : 40 Campagne : CITHERR1
 Date : 12-01-93 Navire : L'ATALANTE
 Profondeur: 3723 m Organisme : IFREMER
 Position : S 4 29.98
 W 8 29.96

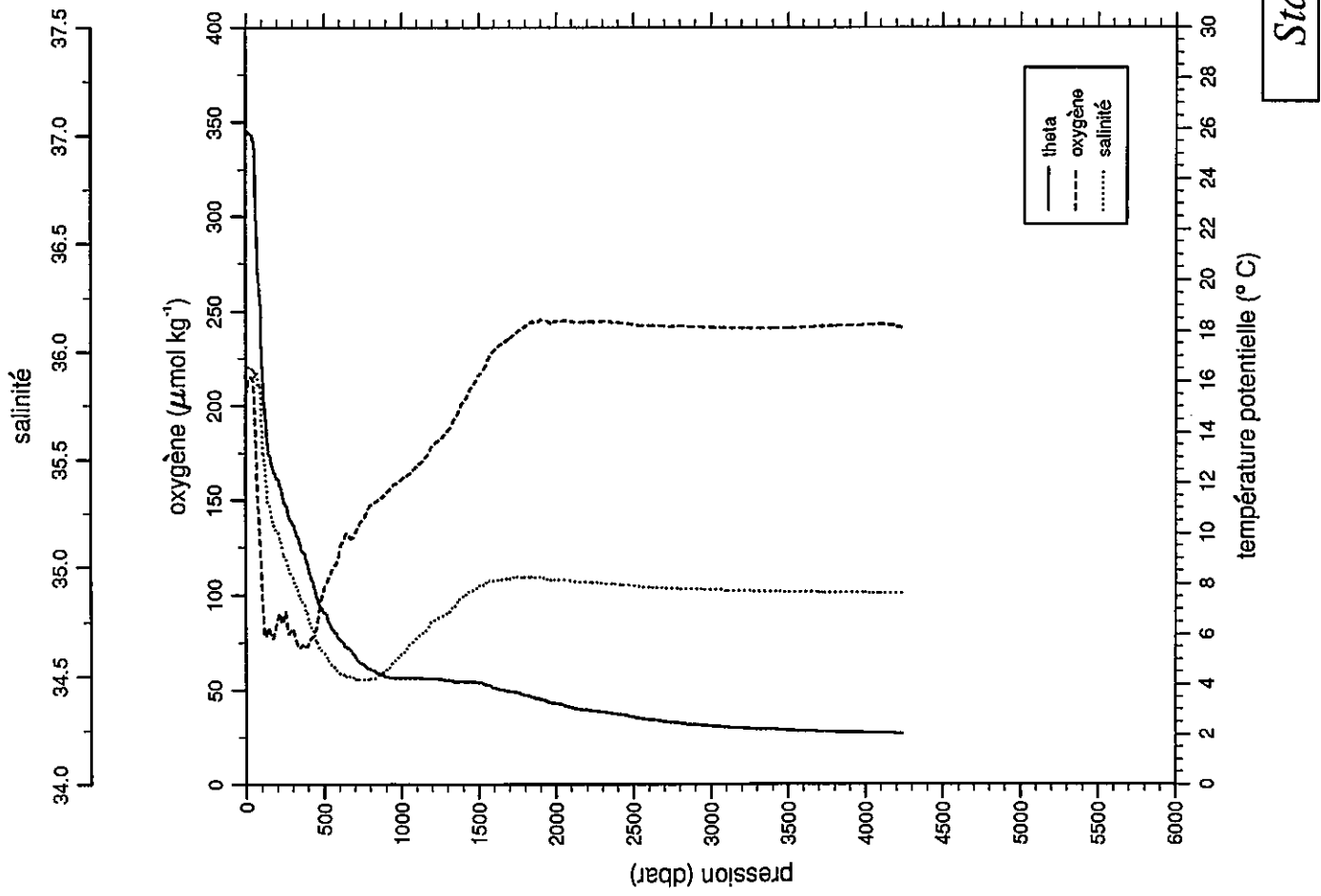
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.845	35.933	205.8	25.845	2850.	2.698	34.907	242.8	2.469
2.	25.989	35.938	203.3	25.988	2900.	2.650	34.905	242.3	2.418
3.	25.986	35.937	203.0	25.985	2950.	2.623	34.904	242.3	2.386
4.	25.967	35.933	203.3	25.966	3000.	2.603	34.903	242.2	2.361
5.	25.926	35.932	203.8	25.925	3050.	2.583	34.902	242.1	2.336
10.	25.731	35.932	209.2	25.729	3100.	2.572	34.901	241.9	2.320
20.	25.685	35.932	213.4	25.681	3150.	2.544	34.900	241.5	2.287
30.	25.672	35.932	211.7	25.665	3200.	2.533	34.899	241.7	2.271
40.	25.607	35.923	208.0	25.598	3250.	2.511	34.898	241.7	2.245
50.	25.127	35.874	198.5	25.116	3300.	2.488	34.897	242.0	2.217
100.	15.849	35.587	91.1	15.834	3350.	2.464	34.894	241.7	2.188
150.	13.231	35.300	77.3	13.210	3400.	2.459	34.894	241.7	2.179
200.	11.915	35.138	75.6	11.889	3450.	2.437	34.892	241.6	2.151
250.	10.683	34.995	88.0	10.652	3500.	2.437	34.892	241.5	2.147
300.	10.027	34.919	84.9	9.992	3550.	2.433	34.891	241.8	2.137
350.	9.253	34.840	75.1	9.214	3600.	2.424	34.890	241.8	2.122
400.	8.349	34.747	79.0	8.307	3650.	2.417	34.890	242.0	2.111
450.	7.628	34.675	89.6	7.583	3700.	2.405	34.889	240.0	2.093
500.	6.831	34.598	105.5	6.784	3746.	2.403	34.888	238.5	2.086
550.	6.285	34.542	126.0	6.236					
600.	5.719	34.497	140.4	5.667					
650.	5.438	34.482	149.0	5.383					
700.	5.207	34.483	144.2	5.150					
750.	4.881	34.485	144.5	4.821					
800.	4.689	34.486	148.0	4.626					
850.	4.525	34.498	150.5	4.458					
900.	4.399	34.517	154.6	4.329					
950.	4.325	34.542	158.3	4.251					
1000.	4.302	34.576	160.7	4.224					
1050.	4.304	34.619	163.1	4.221					
1100.	4.311	34.653	165.9	4.224					
1150.	4.305	34.689	169.2	4.213					
1200.	4.268	34.738	176.5	4.173					
1250.	4.254	34.791	186.3	4.154					
1300.	4.232	34.826	193.2	4.128					
1350.	4.214	34.877	202.1	4.105					
1400.	4.160	34.893	209.6	4.047					
1450.	4.148	34.918	217.2	4.031					
1500.	4.063	34.932	223.2	3.942					
1550.	4.020	34.945	228.7	3.895					
1600.	3.926	34.950	232.8	3.798					
1650.	3.863	34.952	235.7	3.731					
1700.	3.830	34.952	237.1	3.693					
1750.	3.734	34.954	239.5	3.594					
1800.	3.689	34.955	240.9	3.545					
1850.	3.557	34.949	242.2	3.410					
1900.	3.473	34.948	242.8	3.323					
1950.	3.389	34.947	244.0	3.235					
2000.	3.318	34.945	244.4	3.161					
2050.	3.253	34.943	244.6	3.092					
2100.	3.216	34.940	245.0	3.051					
2150.	3.170	34.937	245.0	3.001					
2200.	3.130	34.934	244.8	2.957					
2250.	3.093	34.932	244.0	2.915					
2300.	3.033	34.929	243.8	2.852					
2350.	2.999	34.927	244.1	2.813					
2400.	2.966	34.924	244.0	2.776					
2450.	2.927	34.921	243.6	2.734					
2500.	2.870	34.918	243.4	2.672					
2550.	2.829	34.915	243.0	2.627					
2600.	2.804	34.914	243.0	2.598					
2650.	2.779	34.912	243.0	2.569					
2700.	2.750	34.911	242.7	2.535					
2750.	2.747	34.910	242.7	2.527					
2800.	2.726	34.908	242.7	2.502					



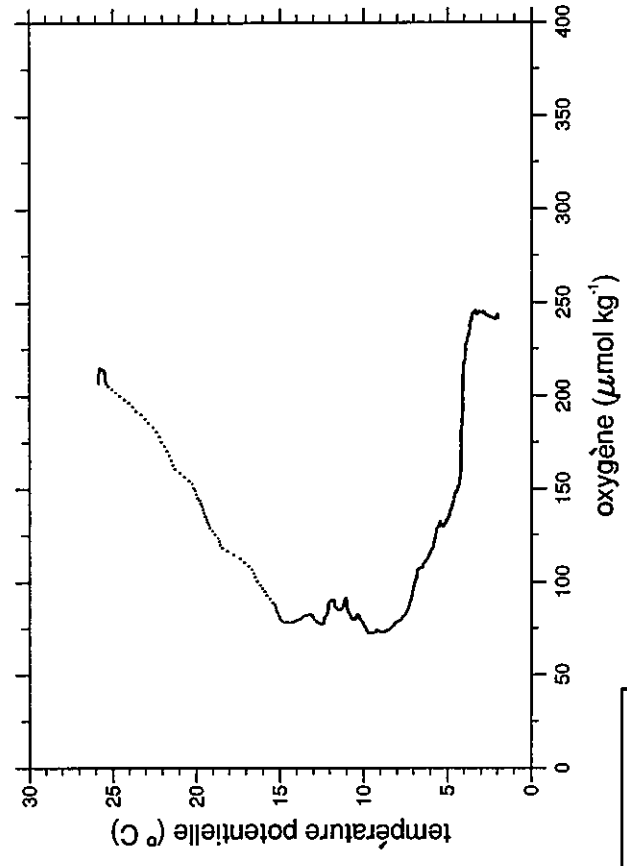
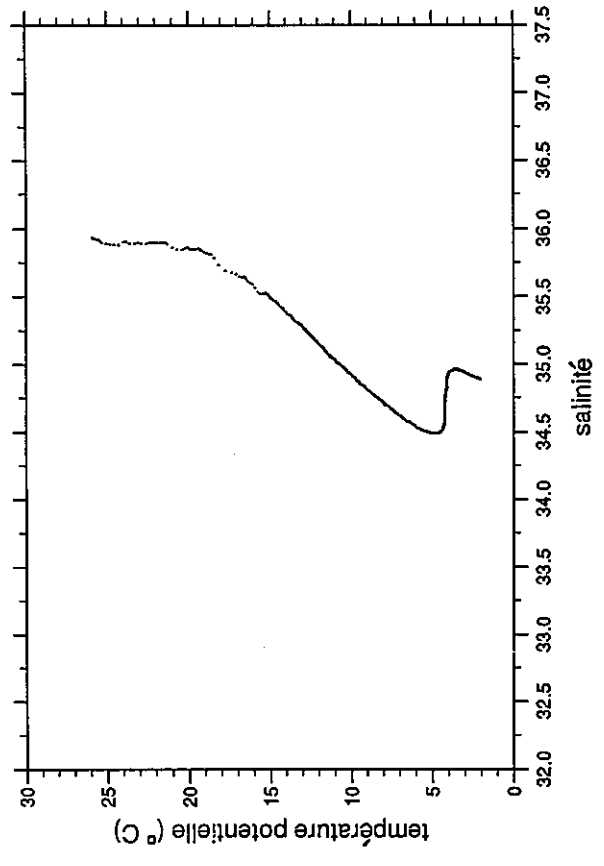
Station 40

Station : 41	Campagne : CITHER1
Date : 12-01-93	Navire : L'ATALANTE
Profondeur: 4215 m	Organisme : IFREMER
Position : S 4 30.04	
W 8 59.78	

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.872	35.934	209.1	25.872	2850.	2.633	34.904	242.2	2.406
2.	25.869	35.935	207.4	25.868	2900.	2.628	34.905	242.0	2.396
3.	25.869	35.935	206.8	25.868	2950.	2.597	34.903	241.9	2.360
4.	25.869	35.935	206.9	25.868	3000.	2.579	34.902	241.7	2.338
5.	25.873	35.936	208.0	25.872	3050.	2.569	34.902	241.7	2.322
10.	25.873	35.934	211.2	25.871	3100.	2.523	34.898	241.6	2.273
20.	25.779	35.929	214.2	25.775	3150.	2.511	34.897	241.4	2.256
30.	25.758	35.929	214.8	25.751	3200.	2.506	34.897	241.4	2.245
40.	25.613	35.917	214.3	25.605	3250.	2.490	34.896	241.3	2.225
50.	25.456	35.912	208.1	25.445	3300.	2.464	34.894	241.1	2.194
100.	17.096	35.663	110.6	17.080	3350.	2.464	34.894	241.2	2.188
150.	13.083	35.287	82.0	13.062	3400.	2.464	34.894	241.2	2.183
200.	12.133	35.168	86.2	12.106	3450.	2.447	34.893	241.3	2.161
250.	11.127	35.040	90.9	11.095	3500.	2.435	34.892	241.3	2.145
300.	10.322	34.956	81.9	10.286	3550.	2.418	34.891	241.5	2.122
350.	9.540	34.871	72.5	9.500	3600.	2.406	34.890	241.7	2.105
400.	8.604	34.768	74.0	8.561	3650.	2.406	34.890	241.9	2.099
450.	7.595	34.669	82.2	7.551	3700.	2.403	34.890	242.1	2.091
500.	6.885	34.607	102.8	6.838	3750.	2.401	34.889	242.3	2.083
550.	6.252	34.554	112.3	6.202	3800.	2.397	34.888	242.5	2.074
600.	5.835	34.521	122.3	5.783	3850.	2.394	34.888	242.7	2.066
650.	5.503	34.504	132.4	5.448	3900.	2.396	34.888	242.8	2.062
700.	5.162	34.490	132.1	5.104	3950.	2.395	34.888	242.8	2.056
750.	4.853	34.486	139.2	4.793	4000.	2.392	34.886	243.2	2.047
800.	4.635	34.491	147.0	4.572	4050.	2.388	34.886	243.2	2.037
850.	4.479	34.506	149.9	4.413	4100.	2.389	34.886	243.5	2.033
900.	4.363	34.530	153.6	4.293	4150.	2.392	34.886	243.2	2.030
950.	4.304	34.562	158.0	4.230	4200.	2.393	34.886	241.9	2.025
1000.	4.288	34.604	160.9	4.210	4236.	2.391	34.885	241.6	2.019
1050.	4.301	34.644	163.5	4.218					
1100.	4.302	34.679	167.6	4.215					
1150.	4.297	34.706	171.9	4.206					
1200.	4.295	34.754	178.4	4.199					
1250.	4.293	34.774	182.0	4.193					
1300.	4.239	34.794	186.6	4.135					
1350.	4.183	34.826	193.6	4.075					
1400.	4.215	34.868	201.8	4.102					
1450.	4.207	34.896	209.1	4.089					
1500.	4.176	34.916	215.8	4.054					
1550.	4.085	34.934	222.1	3.959					
1600.	3.975	34.944	229.3	3.846					
1650.	3.889	34.948	232.9	3.756					
1700.	3.839	34.952	235.7	3.702					
1750.	3.799	34.958	239.4	3.658					
1800.	3.705	34.961	242.1	3.561					
1850.	3.613	34.958	244.5	3.465					
1900.	3.532	34.955	245.5	3.381					
1950.	3.432	34.946	244.8	3.277					
2000.	3.385	34.947	244.7	3.226					
2050.	3.317	34.945	245.2	3.155					
2100.	3.231	34.940	244.6	3.065					
2150.	3.164	34.937	244.3	2.995					
2200.	3.125	34.934	244.6	2.952					
2250.	3.108	34.933	244.6	2.931					
2300.	3.057	34.930	244.9	2.875					
2350.	3.029	34.928	244.6	2.844					
2400.	2.986	34.925	244.3	2.796					
2450.	2.949	34.923	243.8	2.755					
2500.	2.878	34.919	243.2	2.681					
2550.	2.827	34.915	242.7	2.625					
2600.	2.789	34.913	242.6	2.583					
2650.	2.778	34.912	242.8	2.568					
2700.	2.729	34.909	242.5	2.514					
2750.	2.702	34.909	242.2	2.483					
2800.	2.675	34.907	242.3	2.452					

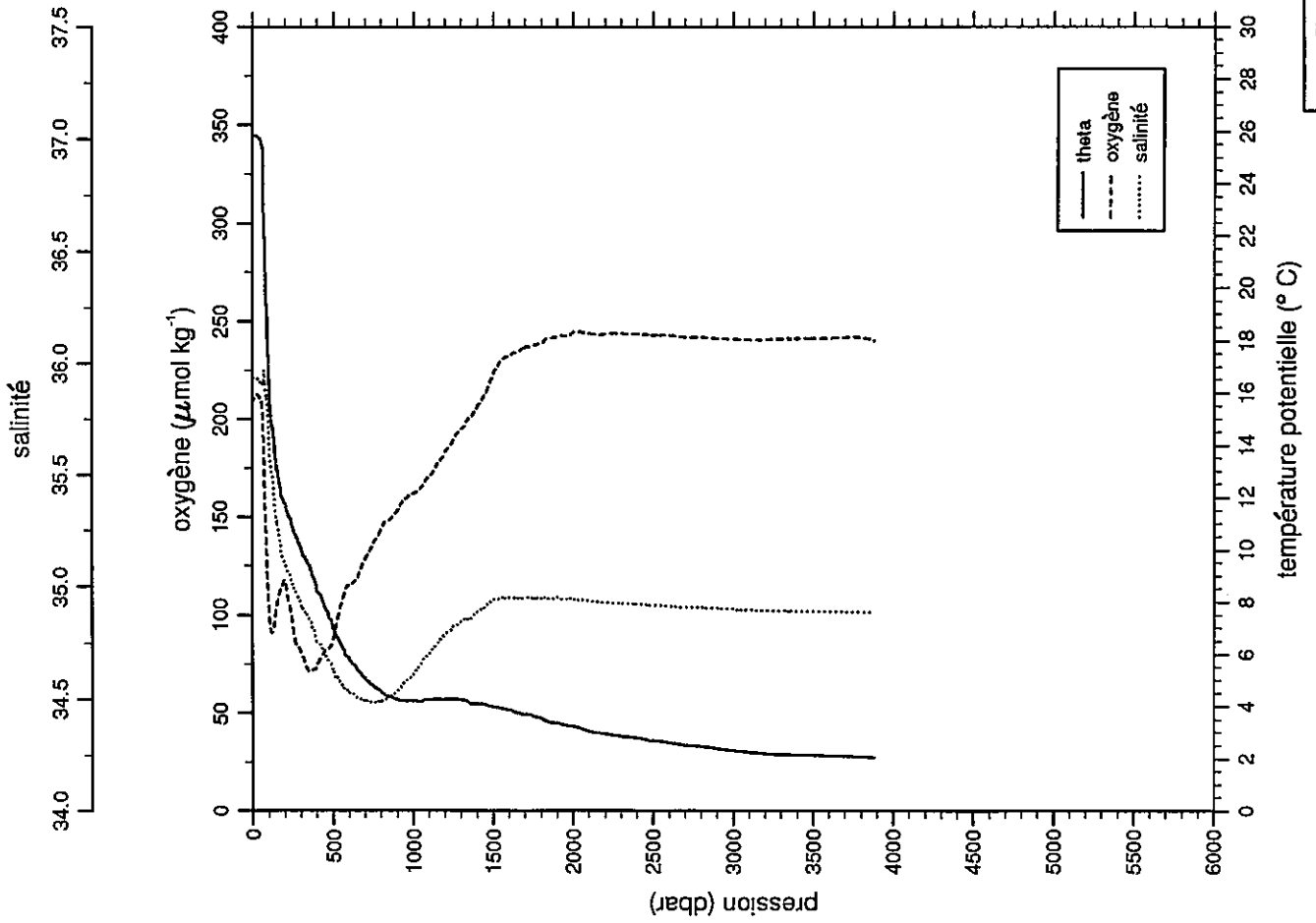


Station 41

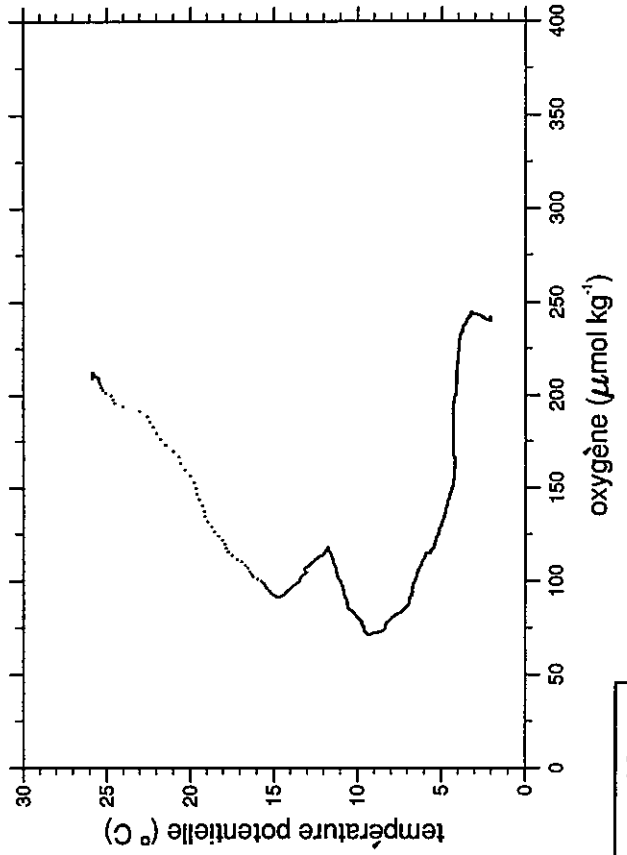
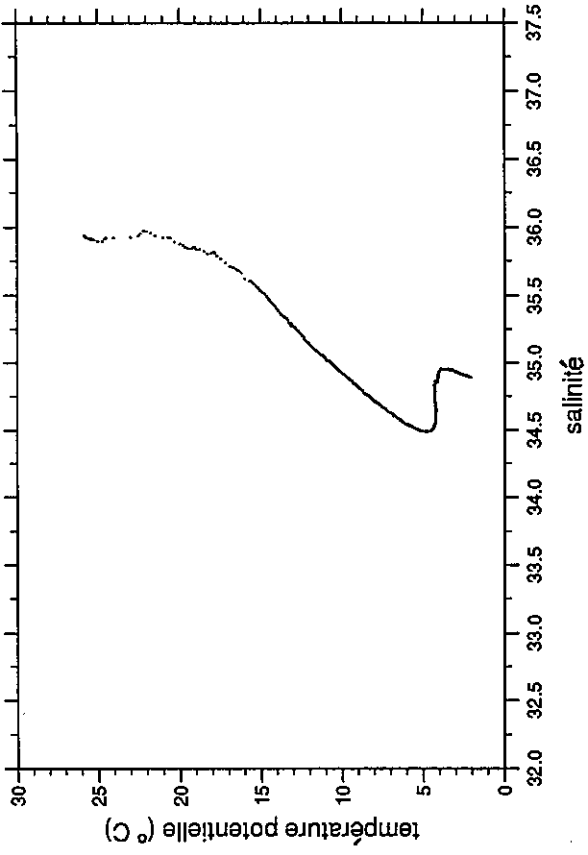


Station : 42 Campagne : CITHER1
 Date : 13-01-93 Navire : L'ATALANTE
 Profondeur: 3979 m Organisme : IFREMER
 Position : S 4 30.08
 W 9 30.00

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.849	35.936	210.1	25.849	2850.	2.668	34.906	241.4	2.440
2.	25.844	35.936	209.1	25.844	2900.	2.627	34.904	241.2	2.395
3.	25.845	35.936	209.6	25.844	2950.	2.591	34.902	241.1	2.354
4.	25.846	35.936	209.9	25.845	3000.	2.560	34.900	240.9	2.319
5.	25.848	35.936	209.8	25.846	3050.	2.517	34.898	240.6	2.271
10.	25.852	35.936	210.6	25.850	3100.	2.497	34.896	240.4	2.247
20.	25.856	35.936	211.9	25.851	3150.	2.474	34.895	240.4	2.220
30.	25.815	35.931	212.2	25.808	3200.	2.448	34.894	240.5	2.189
40.	25.774	35.927	211.1	25.765	3250.	2.439	34.893	240.7	2.175
50.	25.610	35.913	209.9	25.599	3300.	2.431	34.893	240.8	2.162
100.	16.444	35.683	105.2	16.428	3350.	2.423	34.893	240.9	2.149
150.	13.056	35.278	104.8	13.035	3400.	2.420	34.892	240.9	2.140
200.	11.780	35.112	117.7	11.754	3450.	2.424	34.892	241.0	2.139
250.	10.854	35.012	94.6	10.823	3500.	2.427	34.892	241.2	2.136
300.	10.094	34.929	81.1	10.059	3550.	2.425	34.892	241.2	2.129
350.	9.439	34.861	71.4	9.400	3600.	2.414	34.891	241.3	2.113
400.	8.438	34.757	74.2	8.395	3650.	2.412	34.890	241.5	2.106
450.	7.831	34.699	81.5	7.786	3700.	2.396	34.889	241.6	2.084
500.	7.051	34.624	87.0	7.003	3750.	2.393	34.889	241.8	2.076
550.	6.410	34.570	105.2	6.360	3800.	2.389	34.888	241.5	2.067
600.	5.916	34.532	114.8	5.863	3850.	2.378	34.887	240.8	2.051
650.	5.487	34.509	118.3	5.432	3881.	2.380	34.887	240.0	2.049
700.	5.163	34.492	128.3	5.106					
750.	4.868	34.486	136.0	4.807					
800.	4.647	34.489	143.3	4.584					
850.	4.463	34.511	148.3	4.397					
900.	4.357	34.538	152.8	4.287					
950.	4.288	34.574	159.0	4.214					
1000.	4.288	34.612	162.1	4.210					
1050.	4.287	34.659	164.7	4.204					
1100.	4.351	34.700	170.6	4.264					
1150.	4.379	34.751	176.6	4.287					
1200.	4.380	34.792	183.1	4.284					
1250.	4.396	34.824	189.2	4.294					
1300.	4.375	34.847	194.4	4.269					
1350.	4.262	34.857	200.4	4.153					
1400.	4.205	34.886	206.2	4.092					
1450.	4.190	34.912	212.7	4.072					
1500.	4.102	34.942	223.1	3.981					
1550.	4.051	34.951	230.1	3.926					
1600.	3.987	34.954	232.7	3.858					
1650.	3.880	34.949	234.3	3.748					
1700.	3.834	34.953	236.5	3.697					
1750.	3.772	34.949	237.6	3.632					
1800.	3.711	34.949	238.8	3.567					
1850.	3.561	34.950	241.3	3.415					
1900.	3.532	34.952	242.4	3.381					
1950.	3.459	34.944	242.3	3.304					
2000.	3.423	34.948	244.5	3.264					
2050.	3.318	34.942	244.5	3.156					
2100.	3.213	34.936	243.8	3.048					
2150.	3.159	34.933	243.2	2.990					
2200.	3.120	34.931	243.4	2.947					
2250.	3.071	34.928	243.6	2.894					
2300.	3.041	34.926	243.6	2.859					
2350.	3.009	34.924	243.4	2.824					
2400.	2.980	34.922	243.4	2.790					
2450.	2.936	34.920	243.2	2.742					
2500.	2.882	34.917	242.8	2.684					
2550.	2.873	34.917	243.0	2.670					
2600.	2.833	34.914	242.8	2.626					
2650.	2.784	34.910	242.4	2.574					
2700.	2.739	34.908	241.9	2.524					
2750.	2.713	34.908	241.7	2.494					
2800.	2.695	34.907	241.7	2.471					

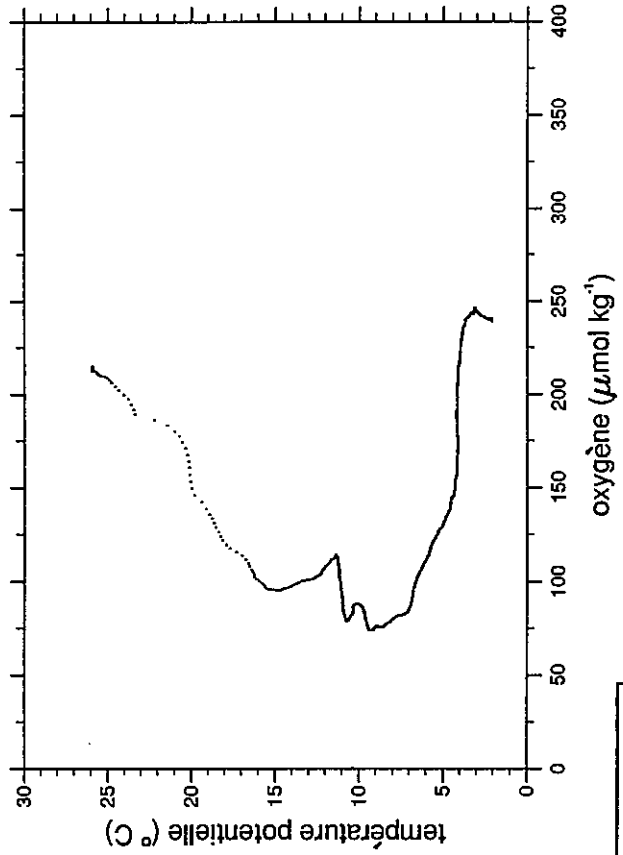
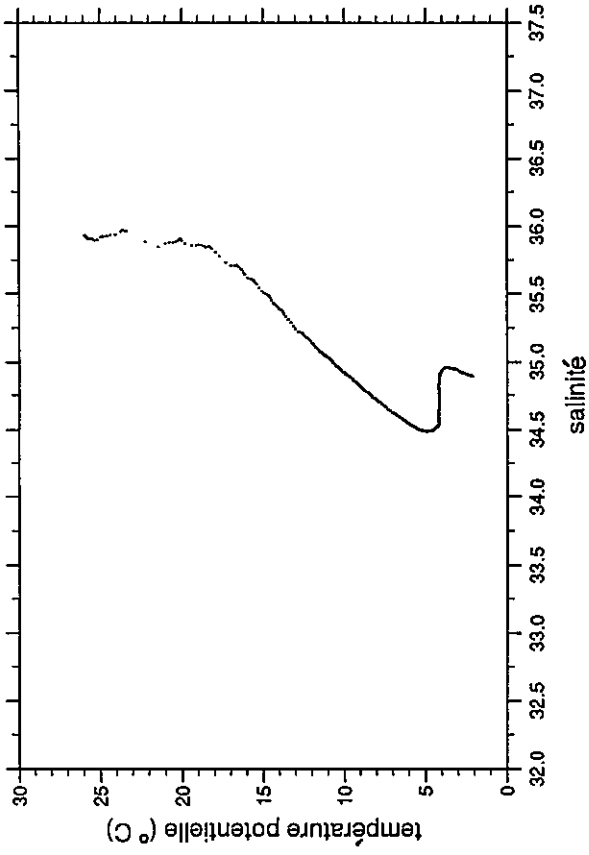
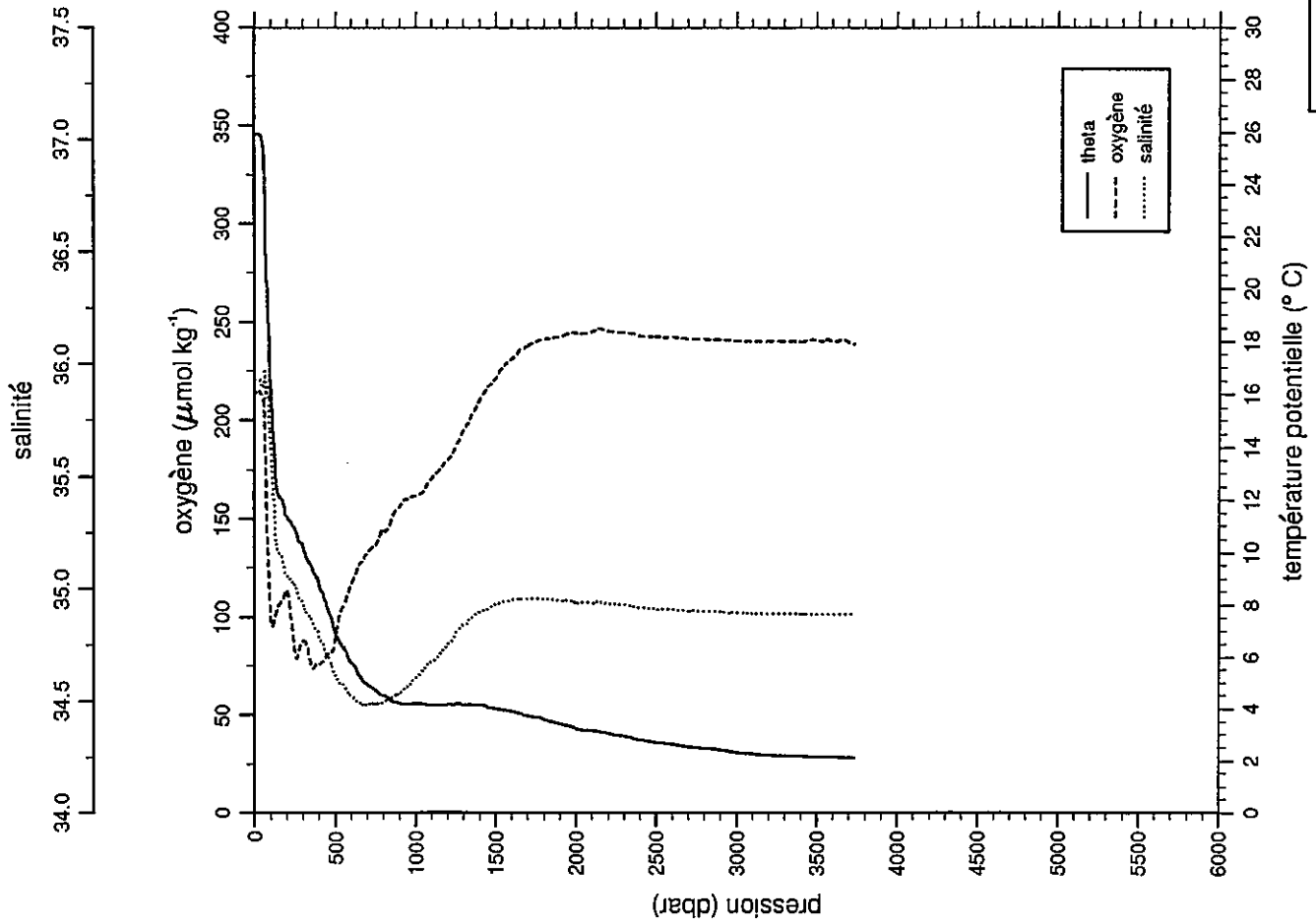


Station 42



Station : 43 Campagne : CITHER1
 Date : 13-01-93 Navire : L'ATALANTE
 Profondeur: 3699 m Organisme : IFREMER
 Position : S 4 29.90
 W 10 0.30

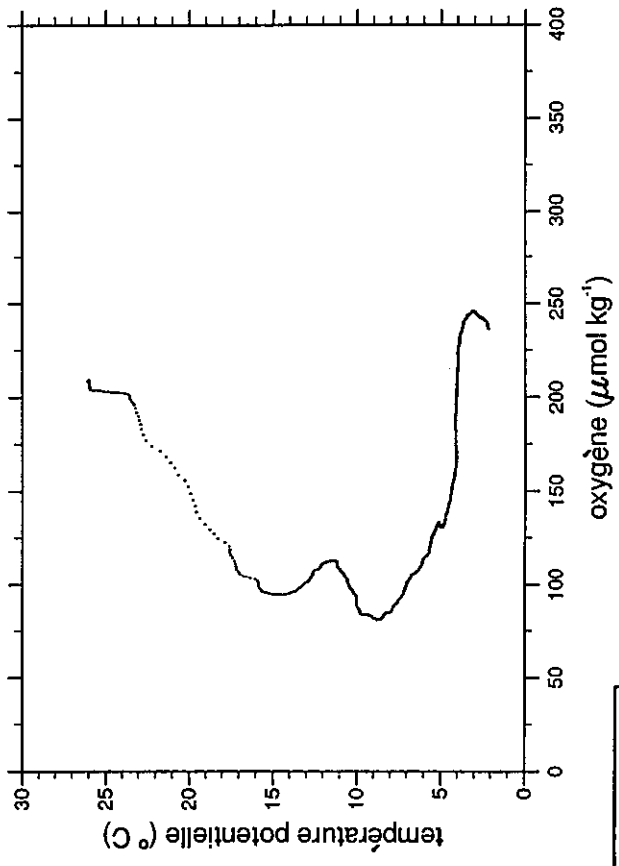
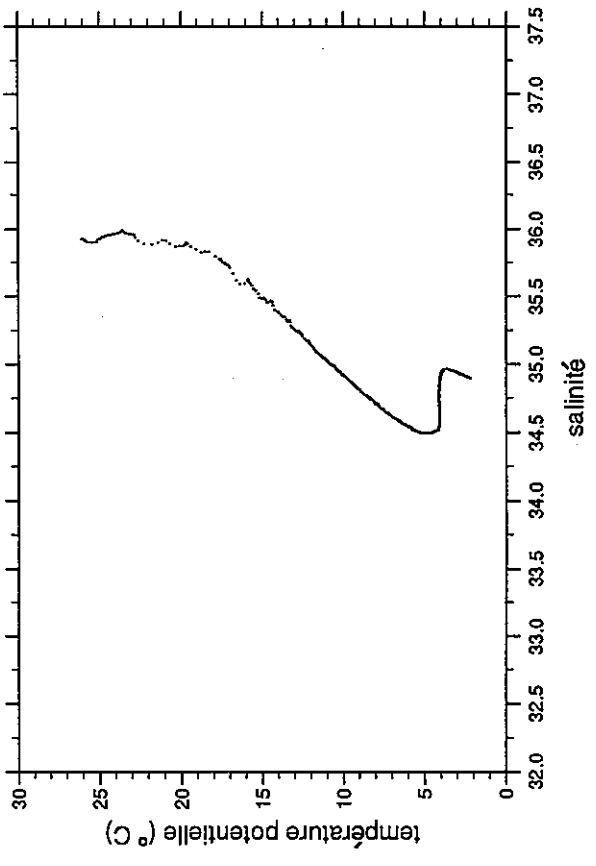
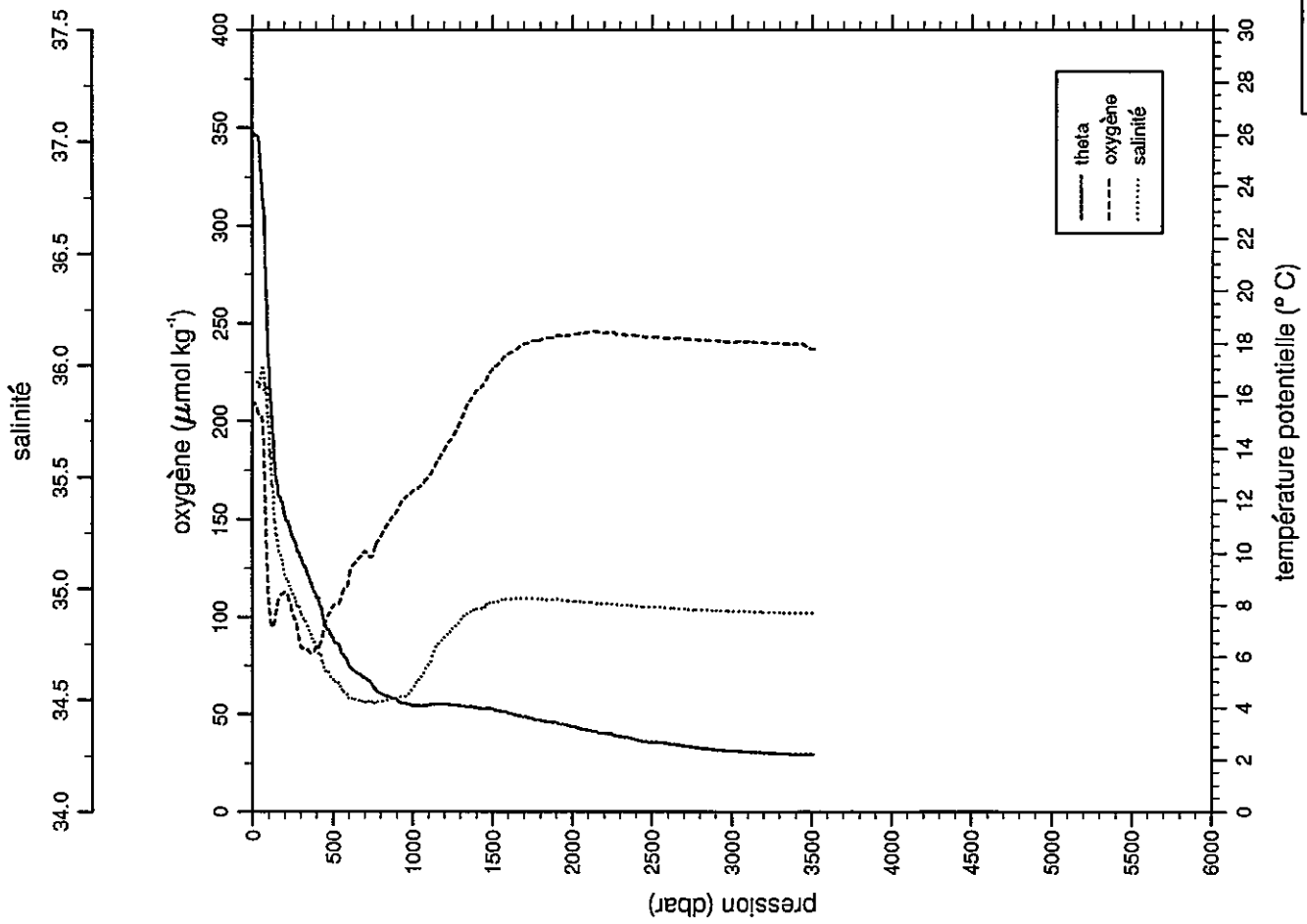
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.918	35.931	213.9	25.918	2850.	2.685	34.905	240.9	2.456
2.	25.910	35.931	212.8	25.909	2900.	2.648	34.902	240.7	2.415
3.	25.915	35.931	212.7	25.915	2950.	2.605	34.899	240.4	2.368
4.	25.917	35.931	213.2	25.917	3000.	2.561	34.898	240.2	2.320
5.	25.921	35.931	213.6	25.920	3050.	2.536	34.896	240.0	2.290
10.	25.919	35.932	214.7	25.917	3100.	2.512	34.894	239.9	2.261
20.	25.921	35.932	215.3	25.917	3150.	2.495	34.895	239.8	2.240
30.	25.908	35.930	214.7	25.902	3200.	2.482	34.894	239.9	2.222
40.	25.843	35.921	213.1	25.834	3250.	2.483	34.894	239.9	2.218
50.	25.594	35.905	210.9	25.583	3300.	2.469	34.893	239.8	2.199
100.	16.117	35.640	101.1	16.101	3350.	2.468	34.893	239.9	2.192
150.	12.191	35.166	106.0	12.171	3400.	2.461	34.893	239.5	2.180
200.	11.385	35.062	113.8	11.359	3450.	2.451	34.892	239.8	2.165
250.	10.914	35.019	83.0	10.884	3500.	2.453	34.892	240.3	2.161
300.	10.249	34.941	87.8	10.213	3550.	2.455	34.892	240.1	2.158
350.	9.522	34.868	76.1	9.483	3600.	2.455	34.892	239.8	2.152
400.	8.778	34.784	75.9	8.735	3650.	2.448	34.891	240.6	2.141
450.	7.951	34.704	80.5	7.905	3700.	2.445	34.891	239.2	2.132
500.	6.956	34.613	88.1	6.909	3733.	2.436	34.891	238.8	2.120
550.	6.426	34.571	105.6	6.376					
600.	5.800	34.523	116.8	5.748					
650.	5.319	34.492	126.8	5.265					
700.	4.961	34.482	132.6	4.904					
750.	4.764	34.487	136.3	4.704					
800.	4.566	34.501	144.7	4.504					
850.	4.368	34.515	149.1	4.302					
900.	4.287	34.532	155.9	4.217					
950.	4.249	34.563	159.9	4.175					
1000.	4.274	34.600	161.8	4.196					
1050.	4.270	34.642	164.4	4.188					
1100.	4.220	34.675	170.6	4.133					
1150.	4.224	34.705	175.2	4.133					
1200.	4.257	34.759	179.9	4.162					
1250.	4.289	34.806	186.2	4.189					
1300.	4.248	34.840	195.5	4.144					
1350.	4.264	34.872	202.7	4.155					
1400.	4.237	34.901	210.4	4.123					
1450.	4.153	34.917	216.6	4.035					
1500.	4.109	34.934	221.6	3.988					
1550.	4.062	34.945	227.3	3.936					
1600.	4.014	34.951	231.1	3.884					
1650.	3.935	34.956	235.6	3.802					
1700.	3.842	34.958	237.8	3.705					
1750.	3.808	34.959	240.0	3.667					
1800.	3.729	34.957	241.0	3.585					
1850.	3.642	34.954	241.8	3.494					
1900.	3.575	34.950	242.2	3.423					
1950.	3.504	34.950	243.7	3.349					
2000.	3.400	34.944	244.0	3.241					
2050.	3.338	34.942	244.0	3.175					
2100.	3.332	34.943	244.8	3.165					
2150.	3.289	34.943	246.7	3.118					
2200.	3.226	34.939	244.9	3.051					
2250.	3.164	34.936	244.6	2.986					
2300.	3.132	34.933	244.5	2.950					
2350.	3.073	34.927	243.8	2.886					
2400.	2.978	34.920	242.6	2.788					
2450.	2.930	34.917	242.4	2.736					
2500.	2.876	34.913	242.2	2.678					
2550.	2.864	34.914	241.9	2.662					
2600.	2.829	34.911	242.0	2.622					
2650.	2.780	34.909	241.7	2.569					
2700.	2.740	34.907	241.3	2.525					
2750.	2.708	34.906	241.1	2.489					
2800.	2.703	34.906	241.0	2.479					



Station 43

Station : 44 Campagne : CITHERR1
 Date : 13-01-93 Navire : L'ATALANTE
 Profondeur: 3488 m Organisme : IFREMER
 Position : S 4 29.98
 W 10 30.01

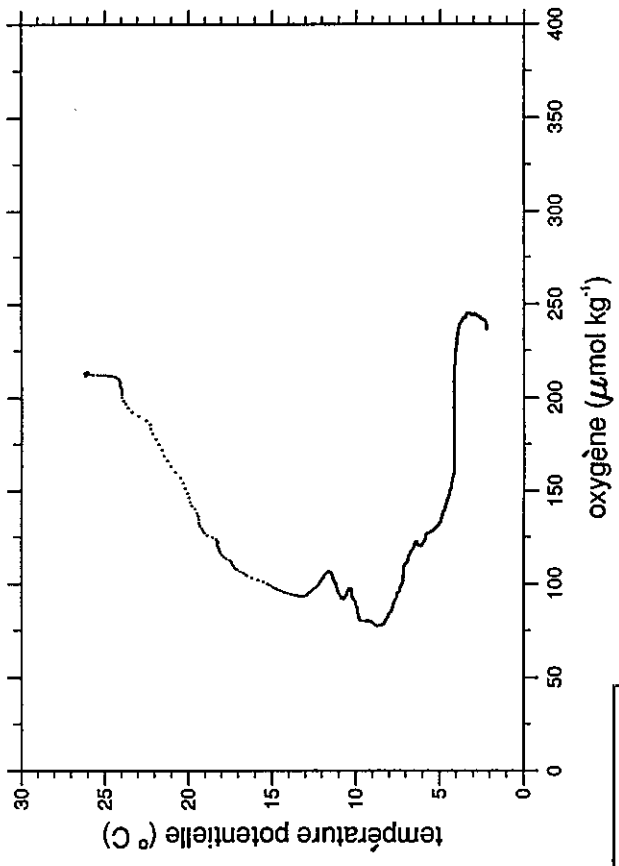
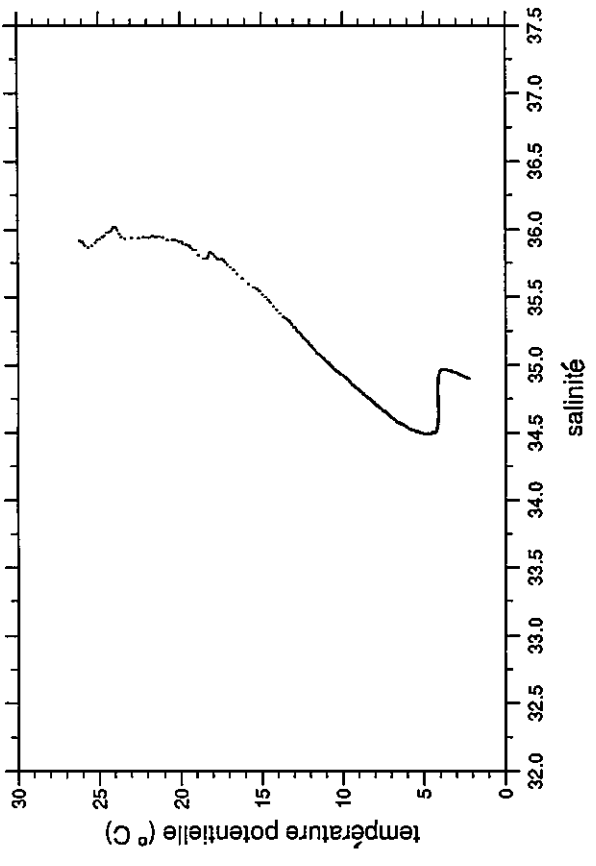
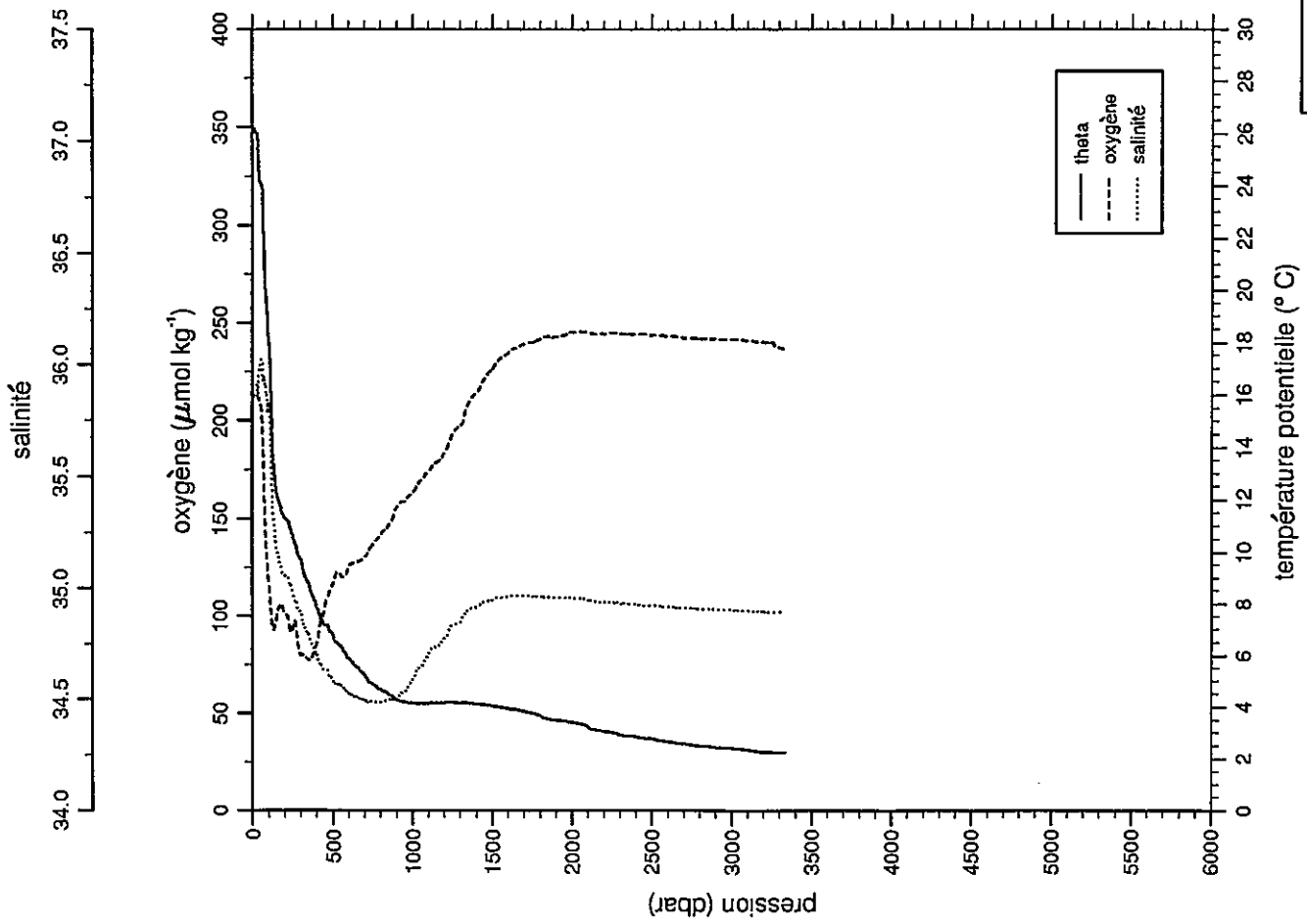
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.042	35.926	208.7	26.042	2850.	2.668	34.907	241.4	2.440
2.	26.054	35.927	208.4	26.054	2900.	2.619	34.904	241.2	2.387
3.	26.060	35.928	208.6	26.060	2950.	2.606	34.904	240.8	2.369
4.	26.064	35.928	208.6	26.063	3000.	2.596	34.903	240.8	2.354
5.	26.063	35.927	208.6	26.062	3050.	2.581	34.902	241.0	2.334
10.	26.023	35.926	209.4	26.020	3100.	2.561	34.901	240.6	2.309
20.	25.977	35.926	208.2	25.972	3150.	2.540	34.899	240.3	2.283
30.	25.955	35.924	206.0	25.948	3200.	2.524	34.897	240.1	2.263
40.	25.792	35.905	204.0	25.783	3250.	2.512	34.896	239.7	2.246
50.	24.822	35.942	203.2	24.811	3300.	2.511	34.896	239.6	2.239
100.	17.271	35.747	111.2	17.254	3350.	2.497	34.895	239.4	2.221
150.	12.783	35.241	103.2	12.763	3400.	2.495	34.895	239.5	2.214
200.	11.509	35.068	112.8	11.484	3450.	2.494	34.895	238.9	2.207
250.	10.603	34.984	102.4	10.573	3500.	2.490	34.894	236.7	2.198
300.	9.837	34.901	85.4	9.803	3513.	2.491	34.894	236.5	2.197
350.	9.101	34.821	82.7	9.062					
400.	8.294	34.741	84.6	8.252					
450.	7.318	34.643	94.9	7.274					
500.	6.763	34.597	105.5	6.716					
550.	6.304	34.559	109.1	6.255					
600.	5.738	34.516	119.0	5.686					
650.	5.427	34.501	128.6	5.372					
700.	5.199	34.492	133.6	5.141					
750.	4.917	34.492	131.4	4.857					
800.	4.622	34.495	141.1	4.559					
850.	4.491	34.504	148.0	4.424					
900.	4.386	34.510	153.7	4.316					
950.	4.244	34.518	160.7	4.171					
1000.	4.148	34.554	164.5	4.072					
1050.	4.151	34.602	167.3	4.070					
1100.	4.181	34.661	171.5	4.095					
1150.	4.214	34.744	178.8	4.123					
1200.	4.217	34.783	185.6	4.122					
1250.	4.189	34.823	192.1	4.090					
1300.	4.167	34.861	199.9	4.063					
1350.	4.142	34.895	209.3	4.034					
1400.	4.112	34.915	215.7	4.000					
1450.	4.064	34.923	219.5	3.948					
1500.	4.067	34.947	226.6	3.946					
1550.	3.996	34.954	230.8	3.871					
1600.	3.932	34.958	234.6	3.803					
1650.	3.846	34.960	236.9	3.714					
1700.	3.798	34.962	239.5	3.662					
1750.	3.730	34.962	241.1	3.590					
1800.	3.678	34.958	241.7	3.534					
1850.	3.617	34.956	242.7	3.469					
1900.	3.593	34.958	243.7	3.441					
1950.	3.525	34.953	243.5	3.370					
2000.	3.438	34.950	244.4	3.279					
2050.	3.364	34.948	244.9	3.202					
2100.	3.303	34.945	245.8	3.137					
2150.	3.241	34.942	245.9	3.070					
2200.	3.182	34.938	245.1	3.008					
2250.	3.164	34.936	245.6	2.985					
2300.	3.084	34.932	244.3	2.902					
2350.	3.038	34.929	244.0	2.852					
2400.	2.983	34.926	243.8	2.793					
2450.	2.916	34.923	243.2	2.723					
2500.	2.897	34.922	243.1	2.699					
2550.	2.885	34.921	242.9	2.682					
2600.	2.853	34.919	242.5	2.646					
2650.	2.824	34.917	242.3	2.613					
2700.	2.760	34.913	242.0	2.545					
2750.	2.744	34.911	241.8	2.524					
2800.	2.687	34.908	241.7	2.463					



Station 44

Station : 45 Campagne : CITHER1
 Date : 13-01-93 Navire : L'ATALANTE
 Profondeur: 3321 m Organisme : IFREMER
 Position : S 4 30.09
 W 10 59.96

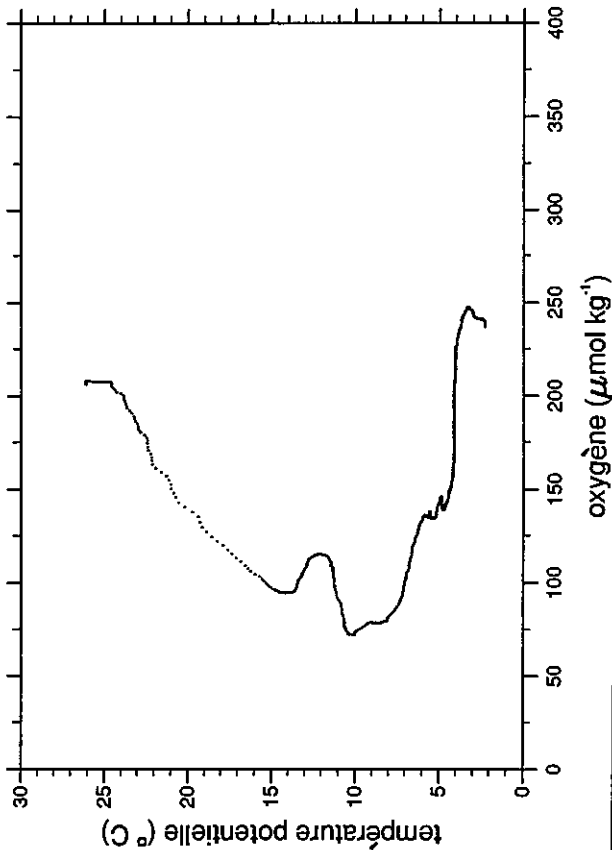
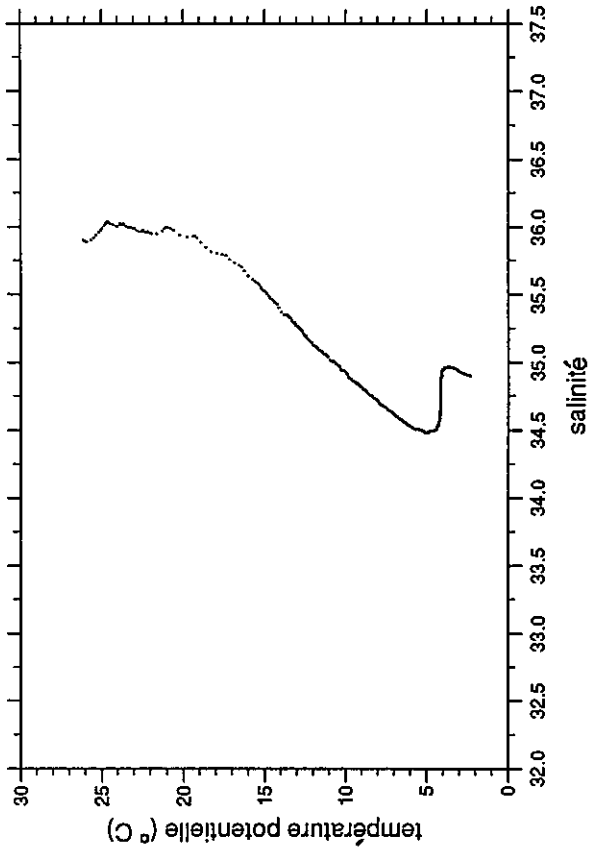
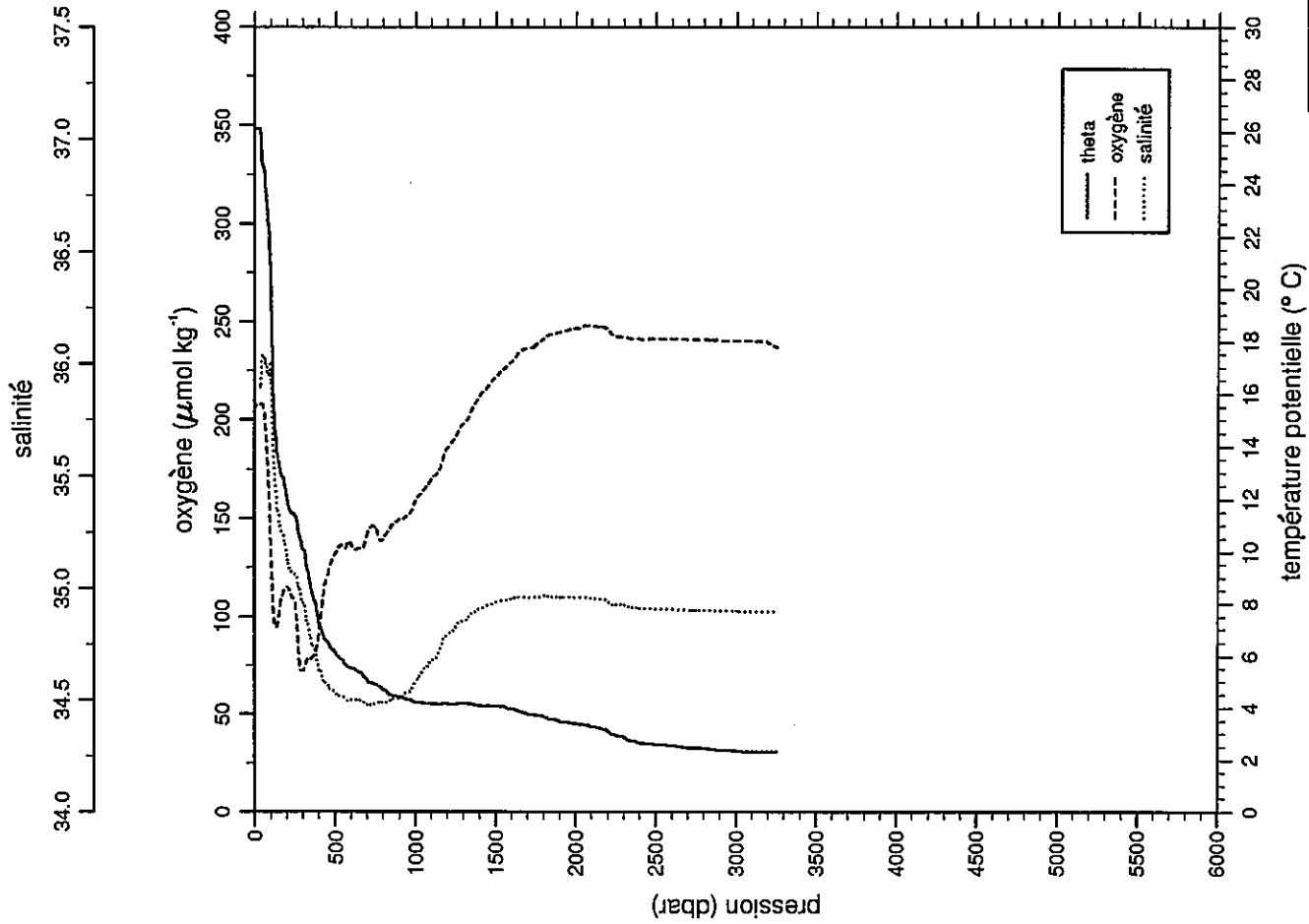
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.184	35.915	213.0	26.183	2850.	2.697	34.908	241.7	2.468
2.	26.181	35.914	211.7	26.180	2900.	2.658	34.905	241.6	2.425
3.	26.182	35.914	211.9	26.181	2950.	2.646	34.905	241.5	2.408
4.	26.182	35.914	212.0	26.181	3000.	2.634	34.904	241.5	2.391
5.	26.181	35.914	212.5	26.180	3050.	2.616	34.902	241.2	2.368
10.	26.187	35.914	213.2	26.185	3100.	2.584	34.900	240.8	2.332
20.	26.032	35.909	213.7	26.027	3150.	2.536	34.896	240.3	2.280
30.	25.965	35.900	212.6	25.958	3200.	2.516	34.896	240.0	2.256
40.	24.560	35.969	211.5	24.551	3250.	2.510	34.895	240.1	2.244
50.	24.106	36.020	208.4	24.095	3300.	2.501	34.895	237.2	2.230
100.	18.209	35.834	118.6	18.192	3333.	2.501	34.895	236.5	2.226
150.	12.318	35.183	98.8	12.298					
200.	11.317	35.058	101.5	11.292					
250.	10.668	34.983	92.8	10.638					
300.	9.755	34.893	80.1	9.721					
350.	8.829	34.797	77.5	8.791					
400.	7.898	34.700	86.0	7.858					
450.	7.203	34.631	104.0	7.159					
500.	6.836	34.595	116.1	6.789					
550.	6.382	34.563	121.7	6.332					
600.	5.917	34.528	125.2	5.864					
650.	5.616	34.511	127.9	5.560					
700.	5.274	34.495	130.5	5.215					
750.	4.936	34.487	136.6	4.875					
800.	4.727	34.488	141.9	4.664					
850.	4.549	34.494	146.6	4.482					
900.	4.334	34.505	155.5	4.264					
950.	4.249	34.536	159.2	4.176					
1000.	4.211	34.586	163.2	4.134					
1050.	4.204	34.650	169.1	4.122					
1100.	4.228	34.703	174.1	4.142					
1150.	4.238	34.739	178.6	4.147					
1200.	4.246	34.775	183.6	4.151					
1250.	4.268	34.831	192.9	4.167					
1300.	4.251	34.846	197.5	4.147					
1350.	4.252	34.903	208.8	4.142					
1400.	4.220	34.918	214.5	4.107					
1450.	4.194	34.939	221.5	4.077					
1500.	4.161	34.949	226.3	4.039					
1550.	4.105	34.959	231.6	3.979					
1600.	4.060	34.966	234.7	3.930					
1650.	4.025	34.967	237.2	3.891					
1700.	3.970	34.967	239.2	3.832					
1750.	3.886	34.965	240.2	3.744					
1800.	3.799	34.965	241.8	3.653					
1850.	3.698	34.961	243.0	3.549					
1900.	3.642	34.960	242.9	3.490					
1950.	3.624	34.959	243.5	3.466					
2000.	3.589	34.958	245.2	3.427					
2050.	3.527	34.955	245.2	3.362					
2100.	3.410	34.949	245.2	3.242					
2150.	3.287	34.943	244.1	3.116					
2200.	3.221	34.939	244.2	3.046					
2250.	3.191	34.940	244.7	3.012					
2300.	3.095	34.933	244.6	2.913					
2350.	3.071	34.932	244.3	2.884					
2400.	3.042	34.929	244.0	2.851					
2450.	2.990	34.926	244.1	2.795					
2500.	2.976	34.926	243.5	2.777					
2550.	2.898	34.921	243.4	2.695					
2600.	2.862	34.919	243.1	2.655					
2650.	2.816	34.916	242.9	2.604					
2700.	2.777	34.913	242.3	2.561					
2750.	2.752	34.911	242.1	2.532					
2800.	2.708	34.909	241.9	2.484					



Station 45

Station : 46 Campagne : CITHER1
 Date : 14-01-93 Navire : L'ATALANTE
 Profondeur: 3231 m Organisme : IFREMER
 Position : S 4 29.96
 W 11 30.06

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.118	35.898	206.9	26.117	2850.	2.639	34.902	240.7	2.411
2.	26.114	35.898	206.2	26.114	2900.	2.588	34.899	240.4	2.357
3.	26.115	35.898	206.5	26.115	2950.	2.588	34.899	240.3	2.352
4.	26.117	35.898	206.9	26.116	3000.	2.574	34.899	240.1	2.332
5.	26.117	35.898	207.1	26.116	3050.	2.559	34.898	240.2	2.313
10.	26.116	35.898	207.2	26.113	3100.	2.557	34.898	240.1	2.306
20.	26.121	35.899	208.0	26.116	3150.	2.562	34.898	239.9	2.305
30.	26.122	35.897	208.0	26.115	3200.	2.565	34.898	239.2	2.303
40.	25.338	35.936	207.6	25.329	3250.	2.571	34.898	237.0	2.303
50.	24.661	36.036	207.4	24.651	3255.	2.571	34.898	236.6	2.303
100.	19.746	35.922	137.8	19.728					
150.	13.443	35.327	99.7	13.422					
200.	12.127	35.150	115.0	12.100					
250.	11.372	35.064	108.2	11.340					
300.	10.096	34.935	72.0	10.061					
350.	8.721	34.776	78.3	8.684					
400.	7.259	34.632	92.5	7.220					
450.	6.582	34.568	120.1	6.541					
500.	6.145	34.532	132.0	6.100					
550.	5.853	34.514	135.4	5.805					
600.	5.559	34.501	136.9	5.509					
650.	5.396	34.495	134.7	5.341					
700.	5.136	34.480	141.8	5.079					
750.	4.931	34.481	145.7	4.871					
800.	4.731	34.490	139.7	4.667					
850.	4.534	34.501	146.1	4.467					
900.	4.476	34.507	149.4	4.405					
950.	4.379	34.534	151.6	4.304					
1000.	4.280	34.582	158.7	4.202					
1050.	4.246	34.635	163.8	4.164					
1100.	4.220	34.678	169.7	4.134					
1150.	4.219	34.720	174.7	4.128					
1200.	4.233	34.795	185.5	4.138					
1250.	4.233	34.823	191.3	4.133					
1300.	4.245	34.852	197.9	4.141					
1350.	4.231	34.889	204.8	4.122					
1400.	4.178	34.915	211.8	4.065					
1450.	4.184	34.926	216.7	4.067					
1500.	4.178	34.936	221.4	4.056					
1550.	4.152	34.948	225.7	4.026					
1600.	4.081	34.954	229.8	3.951					
1650.	3.987	34.961	234.4	3.854					
1700.	3.880	34.960	236.2	3.743					
1750.	3.854	34.963	238.1	3.712					
1800.	3.791	34.965	241.2	3.645					
1850.	3.686	34.963	243.7	3.537					
1900.	3.614	34.960	244.6	3.462					
1950.	3.591	34.962	245.7	3.434					
2000.	3.540	34.959	246.6	3.379					
2050.	3.506	34.960	247.7	3.341					
2100.	3.435	34.955	247.9	3.266					
2150.	3.396	34.953	247.5	3.223					
2200.	3.261	34.938	246.0	3.086					
2250.	3.121	34.928	242.4	2.943					
2300.	3.067	34.924	242.1	2.885					
2350.	2.903	34.916	241.2	2.719					
2400.	2.835	34.912	241.0	2.647					
2450.	2.819	34.911	240.9	2.628					
2500.	2.776	34.909	241.1	2.580					
2550.	2.770	34.909	241.3	2.570					
2600.	2.752	34.908	241.1	2.547					
2650.	2.708	34.906	241.1	2.499					
2700.	2.673	34.904	240.8	2.460					
2750.	2.664	34.903	240.7	2.446					
2800.	2.652	34.902	240.9	2.429					



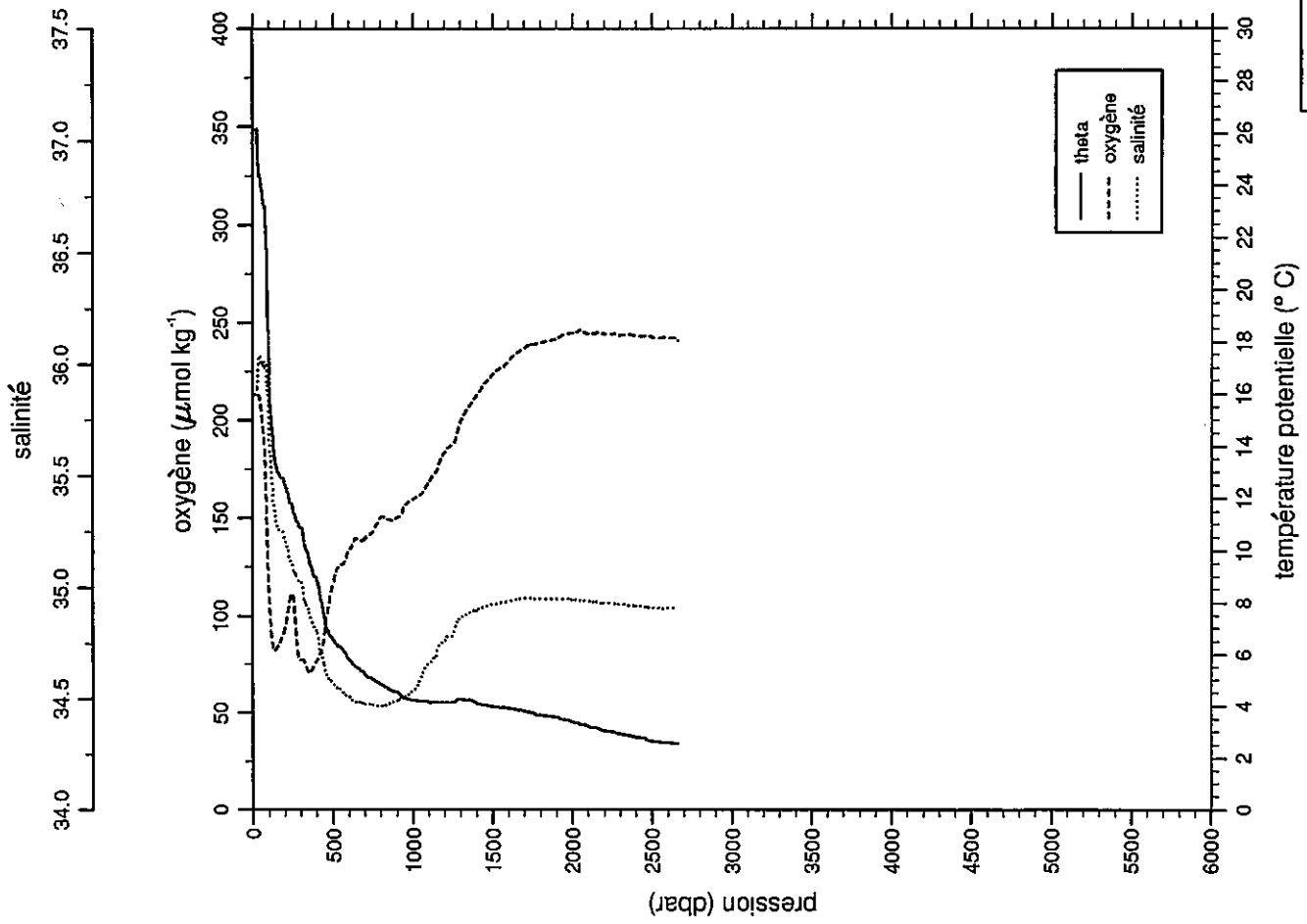
Station 46

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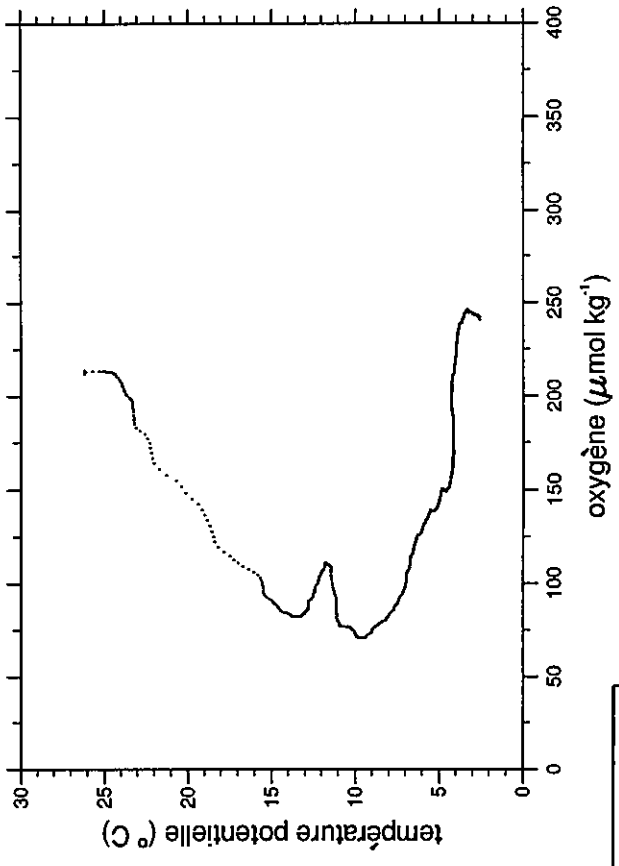
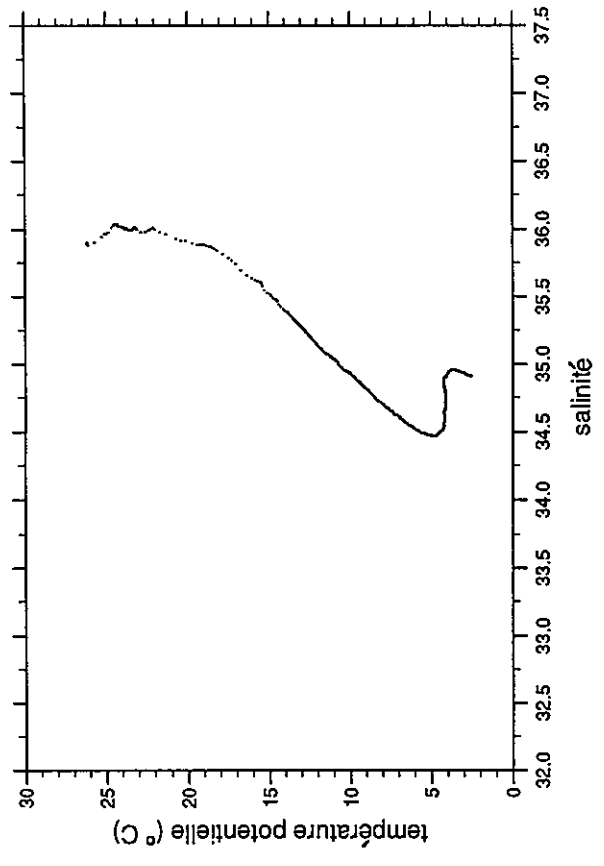
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| Station   : 47           Campagne  : CITHER1
| Date      : 14-01-93    Navire    : L'ATALANTE
| Profondeur: 2654 m      Organisme : IFRIMER
| Position  : S   4 30.00
|              W 11 59.97
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PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.162	35.898	212.9	26.162
2.	26.157	35.898	212.3	26.156
3.	26.158	35.898	212.2	26.157
4.	26.158	35.898	212.8	26.157
5.	26.160	35.898	213.0	26.159
10.	26.165	35.898	213.2	26.163
20.	26.168	35.898	213.5	26.164
30.	25.095	35.965	213.4	25.088
40.	24.335	36.034	211.9	24.327
50.	23.999	36.012	207.4	23.989
100.	17.281	35.764	112.8	17.264
150.	13.145	35.291	83.3	13.124
200.	12.539	35.209	93.2	12.512
250.	11.656	35.085	110.2	11.624
300.	10.897	35.024	76.8	10.860
350.	9.746	34.895	70.7	9.706
400.	8.885	34.802	76.5	8.841
450.	7.421	34.636	92.3	7.377
500.	6.615	34.562	116.3	6.569
550.	6.318	34.541	126.2	6.268
600.	5.856	34.506	133.5	5.803
650.	5.533	34.486	139.4	5.478
700.	5.276	34.474	139.4	5.218
750.	5.089	34.472	143.1	5.027
800.	4.903	34.465	150.4	4.838
850.	4.718	34.479	149.3	4.650
900.	4.622	34.490	150.1	4.551
950.	4.383	34.510	156.1	4.309
1000.	4.321	34.534	159.3	4.243
1050.	4.277	34.592	161.8	4.195
1100.	4.250	34.655	168.1	4.164
1150.	4.238	34.714	174.0	4.147
1200.	4.241	34.762	183.3	4.146
1250.	4.241	34.786	187.4	4.141
1300.	4.372	34.868	199.4	4.266
1350.	4.349	34.890	206.8	4.239
1400.	4.200	34.905	212.8	4.087
1450.	4.149	34.919	218.9	4.032
1500.	4.092	34.930	223.5	3.971
1550.	4.076	34.934	226.8	3.951
1600.	4.044	34.944	230.3	3.914
1650.	3.996	34.950	234.4	3.862
1700.	3.935	34.956	237.1	3.797
1750.	3.881	34.955	238.8	3.739
1800.	3.793	34.953	239.8	3.648
1850.	3.771	34.953	240.7	3.621
1900.	3.736	34.954	241.9	3.582
1950.	3.641	34.953	244.1	3.484
2000.	3.557	34.949	244.8	3.396
2050.	3.467	34.946	246.3	3.303
2100.	3.372	34.942	244.5	3.205
2150.	3.337	34.940	244.8	3.166
2200.	3.212	34.934	244.3	3.037
2250.	3.196	34.933	244.3	3.017
2300.	3.109	34.927	243.6	2.926
2350.	3.046	34.923	244.0	2.860
2400.	2.991	34.920	243.1	2.801
2450.	2.985	34.919	243.0	2.791
2500.	2.847	34.911	242.3	2.650
2550.	2.824	34.910	242.2	2.623
2600.	2.790	34.911	242.0	2.585
2650.	2.776	34.911	241.3	2.565
2660.	2.770	34.910	240.9	2.559

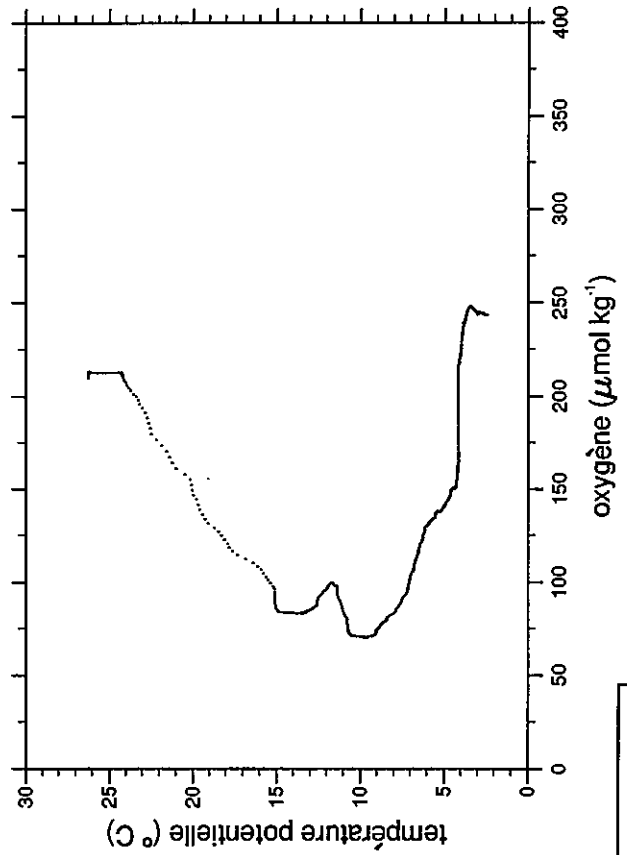
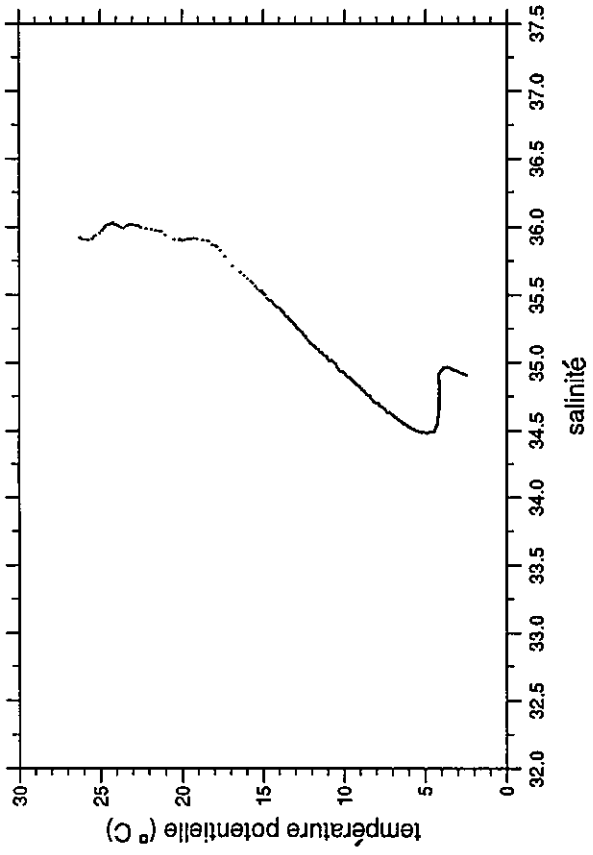
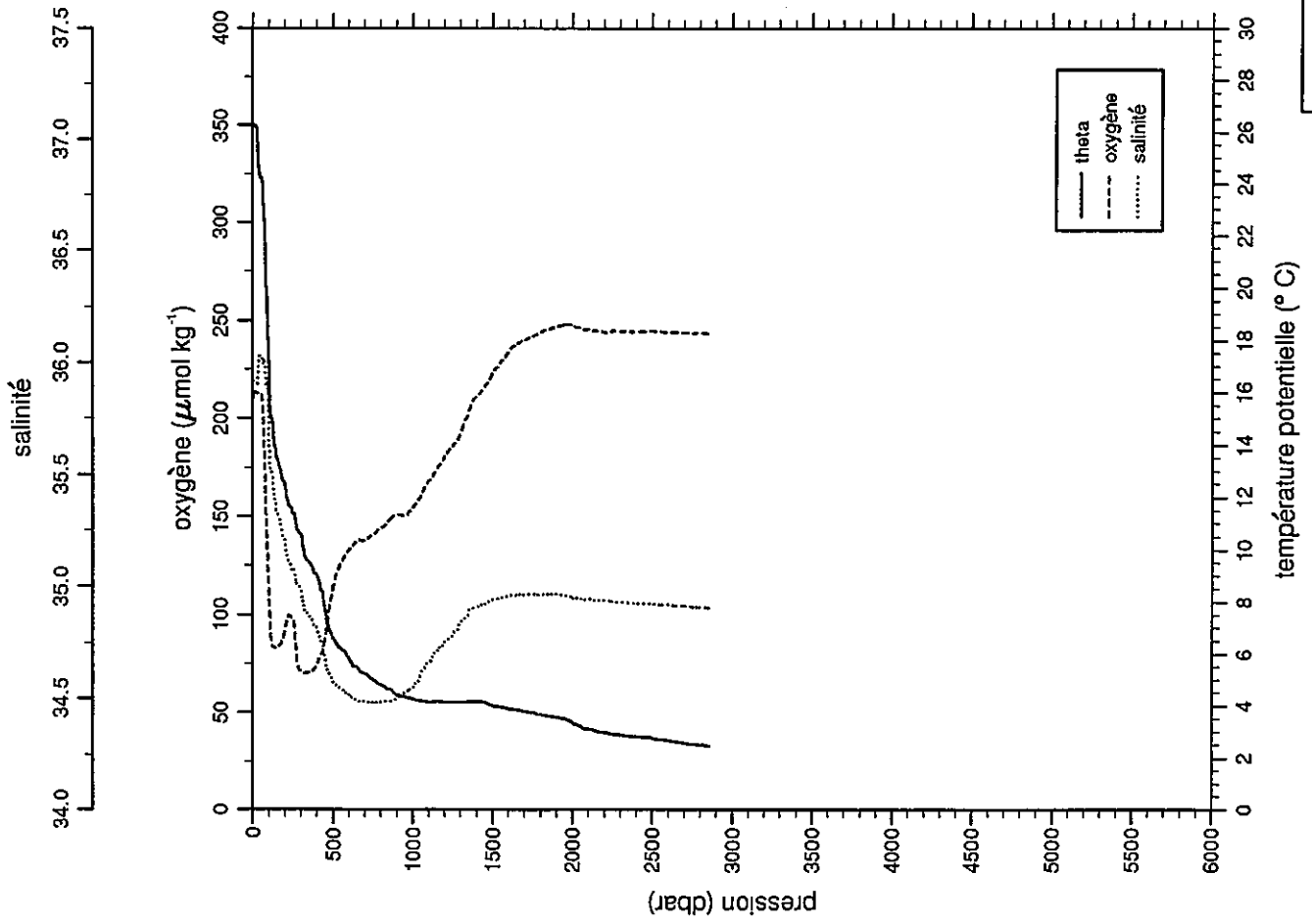


Station 47



Station : 48 Campagne : CITHER1
 Date : 14-01-93 Navire : L'ATALANTE
 Profondeur: 2822 m Organisme : IFRIMER
 Position : S 4 29.97
 W 12 30.00

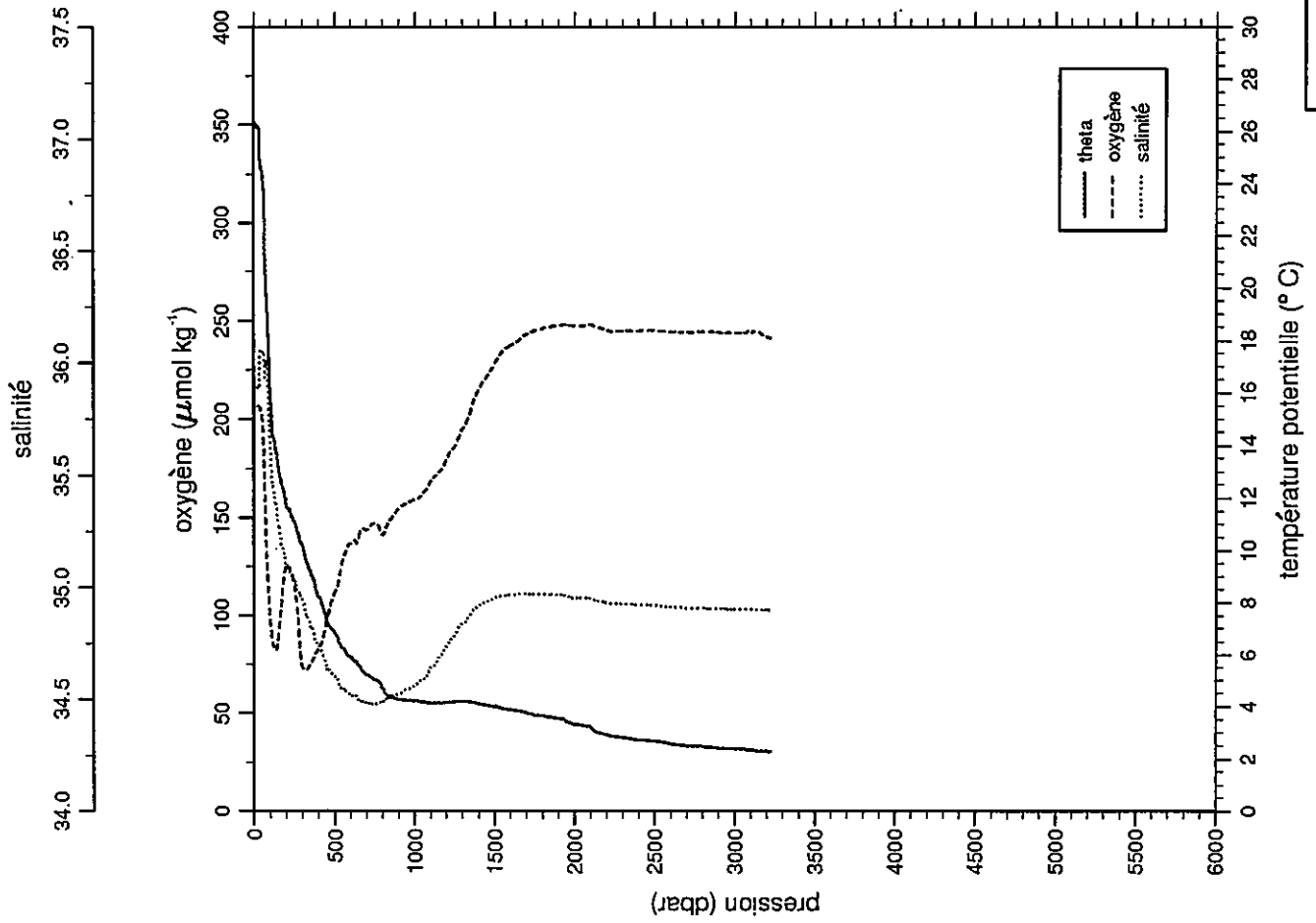
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.245	35.917	212.2	26.245	2850.	2.682	34.906	243.4	2.454
2.	26.247	35.918	209.7	26.246	2853.	2.684	34.906	243.6	2.456
3.	26.248	35.918	209.9	26.248					
4.	26.249	35.918	210.8	26.248					
5.	26.249	35.918	211.5	26.247					
10.	26.241	35.917	212.6	26.239					
20.	26.224	35.917	213.1	26.219					
30.	25.398	35.927	212.8	25.392					
40.	24.545	36.015	212.8	24.537					
50.	24.255	36.030	212.6	24.244					
100.	16.869	35.712	112.4	16.852					
150.	13.525	35.342	83.0	13.504					
200.	12.512	35.202	91.7	12.486					
250.	11.394	35.070	97.9	11.362					
300.	10.576	34.990	71.2	10.540					
350.	9.552	34.871	70.5	9.512					
400.	9.067	34.818	74.3	9.023					
450.	7.794	34.679	86.6	7.748					
500.	6.667	34.576	113.4	6.621					
550.	6.268	34.542	125.7	6.218					
600.	5.887	34.513	132.8	5.835					
650.	5.528	34.494	137.5	5.473					
700.	5.302	34.487	137.8	5.243					
750.	5.071	34.482	140.4	5.009					
800.	4.854	34.484	143.7	4.790					
850.	4.678	34.487	148.1	4.610					
900.	4.493	34.499	150.8	4.422					
950.	4.426	34.526	150.3	4.351					
1000.	4.346	34.542	154.3	4.267					
1050.	4.275	34.603	160.3	4.193					
1100.	4.240	34.659	167.9	4.154					
1150.	4.255	34.715	174.1	4.164					
1200.	4.246	34.757	180.5	4.150					
1250.	4.245	34.789	186.0	4.145					
1300.	4.250	34.839	192.7	4.146					
1350.	4.279	34.894	202.8	4.170					
1400.	4.286	34.908	211.0	4.172					
1450.	4.256	34.924	216.4	4.138					
1500.	4.131	34.942	223.1	4.010					
1550.	4.088	34.954	228.9	3.962					
1600.	4.009	34.963	234.2	3.879					
1650.	3.987	34.965	237.7	3.853					
1700.	3.922	34.966	239.8	3.784					
1750.	3.874	34.967	241.7	3.732					
1800.	3.804	34.968	244.0	3.659					
1850.	3.750	34.966	245.7	3.601					
1900.	3.702	34.964	246.8	3.548					
1950.	3.661	34.963	247.7	3.503					
2000.	3.534	34.955	247.4	3.373					
2050.	3.387	34.947	246.3	3.224					
2100.	3.282	34.944	245.6	3.116					
2150.	3.211	34.940	244.8	3.042					
2200.	3.172	34.938	244.0	2.998					
2250.	3.112	34.934	244.8	2.934					
2300.	3.078	34.931	244.4	2.896					
2350.	3.042	34.927	244.4	2.856					
2400.	3.016	34.926	244.4	2.826					
2450.	2.996	34.925	244.5	2.801					
2500.	2.970	34.923	244.7	2.771					
2550.	2.914	34.920	244.3	2.711					
2600.	2.868	34.918	244.1	2.661					
2650.	2.825	34.915	244.2	2.614					
2700.	2.788	34.913	243.8	2.572					
2750.	2.738	34.910	243.5	2.519					
2800.	2.731	34.909	243.6	2.506					



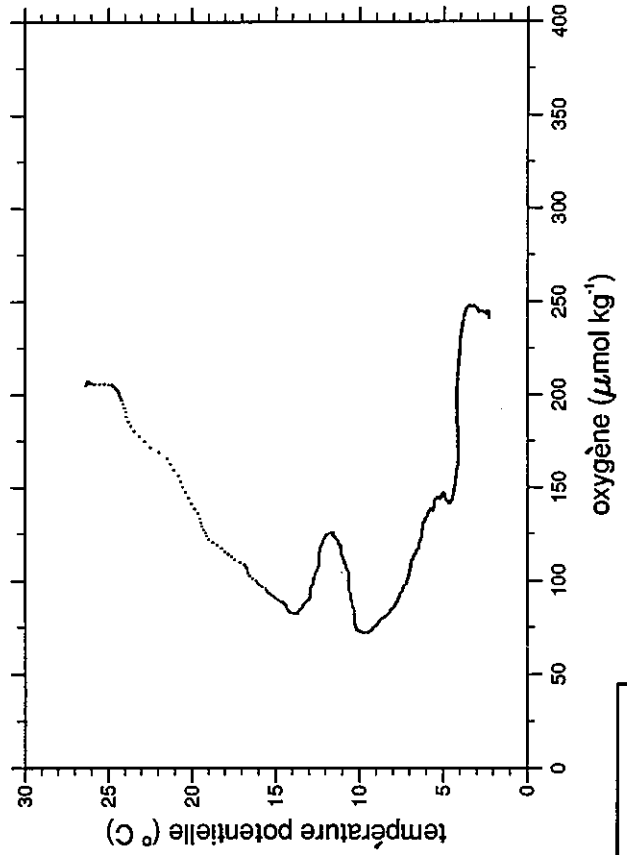
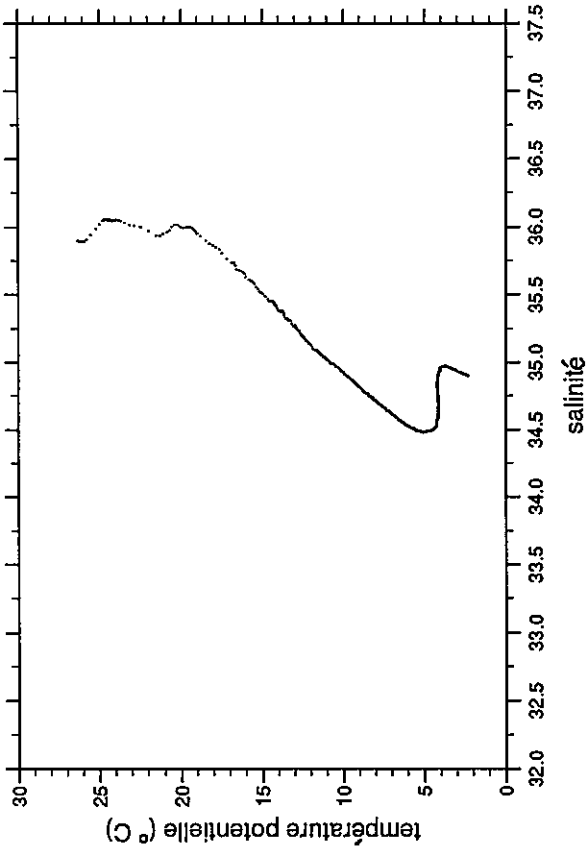
Station 48

Station : 49 Campagne : CITHER1
 Date : 14-01-93 Navire : L'ATALANTE
 Profondeur: 3206 m Organisme : IFREMER
 Position : S 4 29.99
 W 13 0.11

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.293	35.896	206.4	26.292	2850.	2.666	34.906	244.3	2.438
2.	26.314	35.897	205.0	26.313	2900.	2.636	34.904	244.0	2.404
3.	26.299	35.897	205.5	26.299	2950.	2.635	34.904	243.6	2.398
4.	26.294	35.897	205.8	26.293	3000.	2.630	34.902	243.8	2.387
5.	26.297	35.897	206.1	26.296	3050.	2.615	34.902	243.9	2.368
10.	26.289	35.896	207.0	26.287	3100.	2.601	34.901	244.7	2.349
20.	26.170	35.889	207.0	26.165	3150.	2.560	34.899	244.3	2.303
30.	26.085	35.886	206.1	26.078	3200.	2.554	34.899	241.7	2.292
40.	24.734	36.053	204.9	24.725	3224.	2.554	34.898	241.1	2.290
50.	24.398	36.051	201.8	24.387					
100.	16.099	35.650	98.8	16.083					
150.	13.328	35.307	87.4	13.307					
200.	11.726	35.088	125.6	11.701					
250.	11.137	35.033	116.1	11.105					
300.	10.223	34.947	73.9	10.187					
350.	9.213	34.836	75.0	9.174					
400.	8.258	34.738	82.8	8.217					
450.	7.437	34.657	96.3	7.392					
500.	6.893	34.602	111.4	6.846					
550.	6.311	34.549	127.8	6.261					
600.	5.934	34.521	136.7	5.882					
650.	5.640	34.499	139.6	5.585					
700.	5.274	34.486	143.7	5.216					
750.	5.069	34.478	147.1	5.007					
800.	4.755	34.492	141.4	4.691					
850.	4.445	34.510	149.1	4.379					
900.	4.346	34.526	154.4	4.276					
950.	4.318	34.543	157.1	4.244					
1000.	4.298	34.559	159.1	4.220					
1050.	4.253	34.585	162.3	4.171					
1100.	4.219	34.640	168.0	4.133					
1150.	4.239	34.685	173.0	4.148					
1200.	4.256	34.746	179.6	4.161					
1250.	4.293	34.786	186.3	4.193					
1300.	4.307	34.836	195.2	4.202					
1350.	4.292	34.884	203.8	4.183					
1400.	4.219	34.918	214.9	4.105					
1450.	4.168	34.938	221.5	4.051					
1500.	4.135	34.954	228.0	4.013					
1550.	4.034	34.964	234.6	3.909					
1600.	3.999	34.967	237.5	3.870					
1650.	3.956	34.971	240.2	3.823					
1700.	3.886	34.972	243.1	3.749					
1750.	3.812	34.971	244.9	3.671					
1800.	3.789	34.971	246.0	3.644					
1850.	3.731	34.968	246.9	3.582					
1900.	3.690	34.966	247.4	3.537					
1950.	3.575	34.960	247.9	3.418					
2000.	3.490	34.955	247.2	3.330					
2050.	3.452	34.953	247.4	3.288					
2100.	3.375	34.949	248.0	3.207					
2150.	3.172	34.939	246.4	3.003					
2200.	3.100	34.932	245.2	2.927					
2250.	3.030	34.927	244.5	2.854					
2300.	2.987	34.926	244.8	2.807					
2350.	2.958	34.924	244.8	2.773					
2400.	2.911	34.922	244.8	2.723					
2450.	2.899	34.921	244.9	2.706					
2500.	2.866	34.918	244.9	2.669					
2550.	2.834	34.916	244.7	2.632					
2600.	2.774	34.912	244.4	2.569					
2650.	2.737	34.910	244.2	2.527					
2700.	2.697	34.909	244.1	2.483					
2750.	2.693	34.908	244.1	2.474					
2800.	2.686	34.907	244.4	2.463					

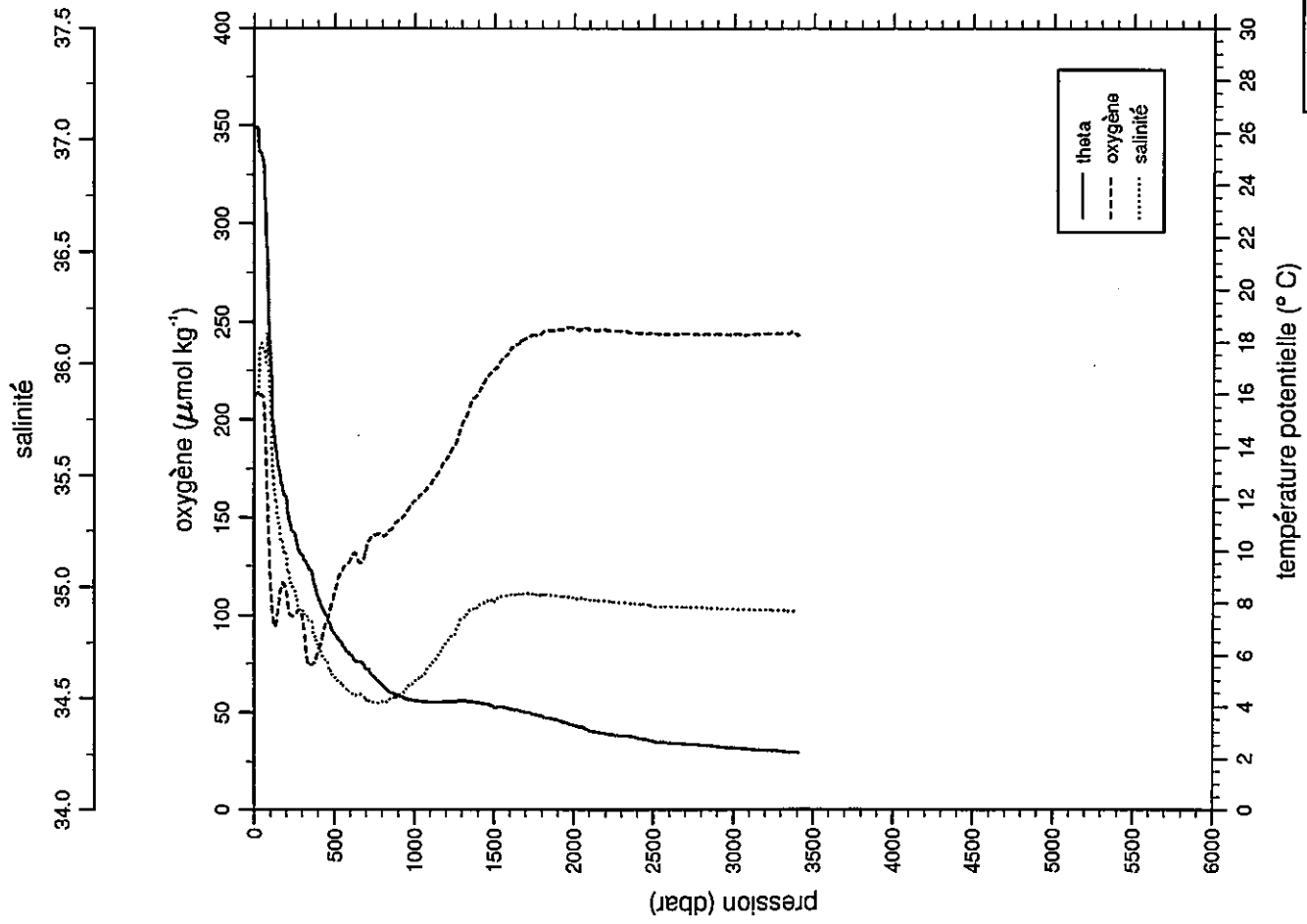


Station 49

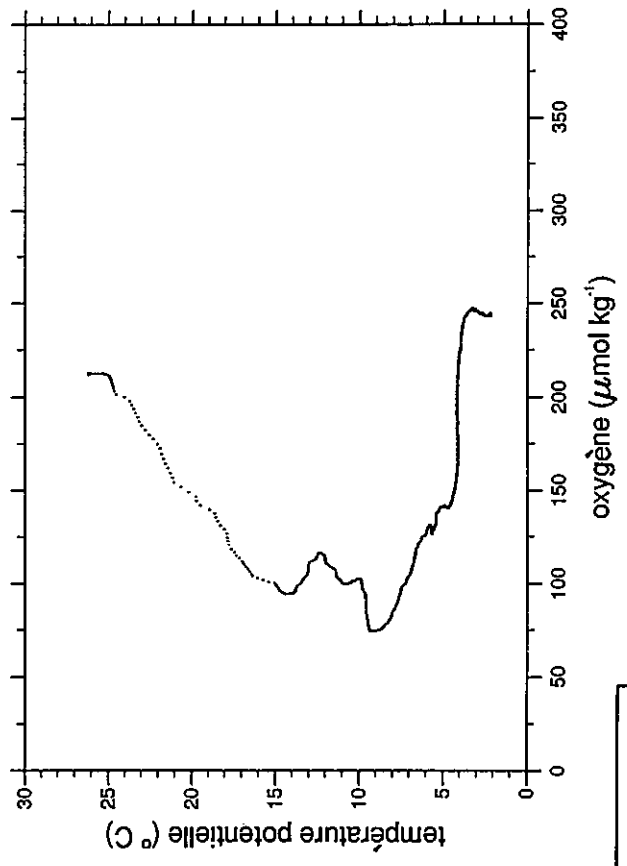
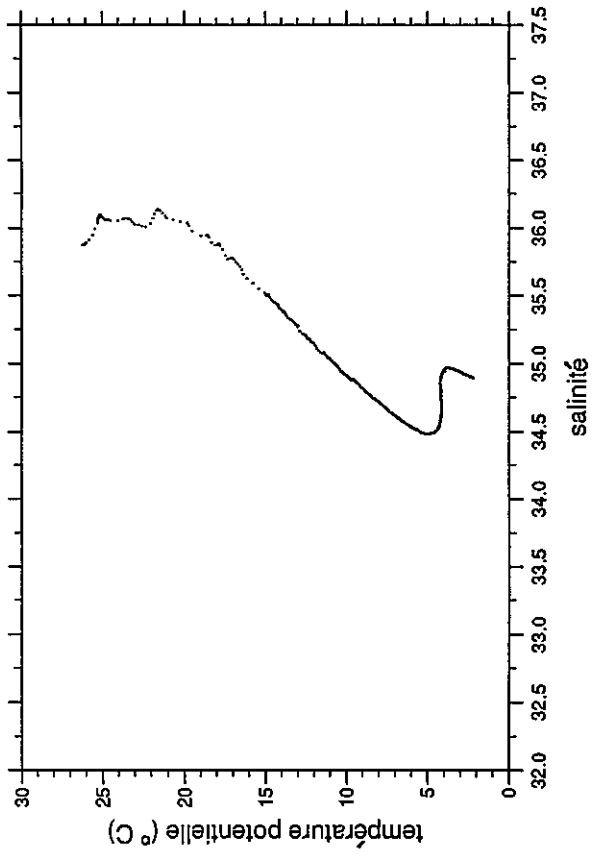


Station : 50 Campagne : CITHER1
 Date : 14-01-93 Navire : L'ATALANTE
 Profondeur: 3388 m Organisme : IFREMER
 Position : S 4 30.10
 W 13 30.03

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.191	35.873	212.9	26.190	2850.	2.707	34.909	243.6	2.478
2.	26.191	35.873	212.9	26.190	2900.	2.675	34.907	243.6	2.441
3.	26.191	35.873	211.9	26.190	2950.	2.651	34.905	243.6	2.413
4.	26.193	35.873	212.1	26.193	3000.	2.649	34.905	243.6	2.406
5.	26.195	35.873	212.5	26.194	3050.	2.614	34.903	243.6	2.367
10.	26.185	35.872	212.8	26.183	3100.	2.595	34.901	243.5	2.343
20.	26.157	35.872	212.9	26.152	3150.	2.572	34.900	243.7	2.315
30.	25.344	36.027	212.8	25.337	3200.	2.567	34.900	244.0	2.305
40.	25.242	36.083	212.4	25.234	3250.	2.540	34.898	244.0	2.274
50.	25.092	36.086	212.2	25.081	3300.	2.521	34.896	244.0	2.249
100.	17.644	35.838	118.7	17.627	3350.	2.487	34.895	244.2	2.211
150.	13.304	35.307	103.1	13.283	3400.	2.480	34.894	243.5	2.199
200.	12.018	35.147	111.9	11.992	3406.	2.472	34.893	243.2	2.190
250.	10.670	34.991	99.7	10.640					
300.	9.852	34.896	98.3	9.817					
350.	9.280	34.848	74.2	9.241					
400.	8.162	34.728	81.6	8.121					
450.	7.551	34.666	96.5	7.507					
500.	6.813	34.595	110.9	6.767					
550.	6.403	34.556	122.8	6.353					
600.	6.013	34.530	128.2	5.960					
650.	5.766	34.521	127.8	5.710					
700.	5.478	34.497	133.7	5.419					
750.	5.188	34.484	141.1	5.126					
800.	4.848	34.486	140.7	4.784					
850.	4.577	34.504	143.6	4.510					
900.	4.479	34.513	148.2	4.408					
950.	4.356	34.544	152.5	4.282					
1000.	4.287	34.578	158.2	4.209					
1050.	4.255	34.602	162.4	4.173					
1100.	4.236	34.649	167.0	4.149					
1150.	4.232	34.694	172.9	4.141					
1200.	4.265	34.751	179.9	4.170					
1250.	4.267	34.790	186.8	4.167					
1300.	4.316	34.862	197.7	4.211					
1350.	4.279	34.900	207.3	4.170					
1400.	4.248	34.914	213.2	4.134					
1450.	4.200	34.935	220.8	4.082					
1500.	4.097	34.939	225.6	3.976					
1550.	4.101	34.958	230.9	3.975					
1600.	4.031	34.967	235.5	3.901					
1650.	3.993	34.970	238.6	3.859					
1700.	3.901	34.971	241.6	3.764					
1750.	3.823	34.967	243.4	3.682					
1800.	3.751	34.968	244.4	3.606					
1850.	3.671	34.964	245.7	3.523					
1900.	3.593	34.959	245.9	3.441					
1950.	3.516	34.958	247.0	3.361					
2000.	3.414	34.950	246.9	3.255					
2050.	3.359	34.950	246.7	3.196					
2100.	3.217	34.941	246.0	3.052					
2150.	3.179	34.940	245.8	3.009					
2200.	3.121	34.936	245.8	2.948					
2250.	3.083	34.933	245.5	2.906					
2300.	3.047	34.931	245.3	2.865					
2350.	3.030	34.929	244.4	2.844					
2400.	2.969	34.924	244.3	2.779					
2450.	2.923	34.922	243.9	2.729					
2500.	2.848	34.917	244.3	2.651					
2550.	2.819	34.914	243.6	2.617					
2600.	2.792	34.913	243.6	2.586					
2650.	2.786	34.914	243.8	2.575					
2700.	2.760	34.913	243.9	2.545					
2750.	2.744	34.912	243.7	2.525					
2800.	2.734	34.911	243.9	2.510					

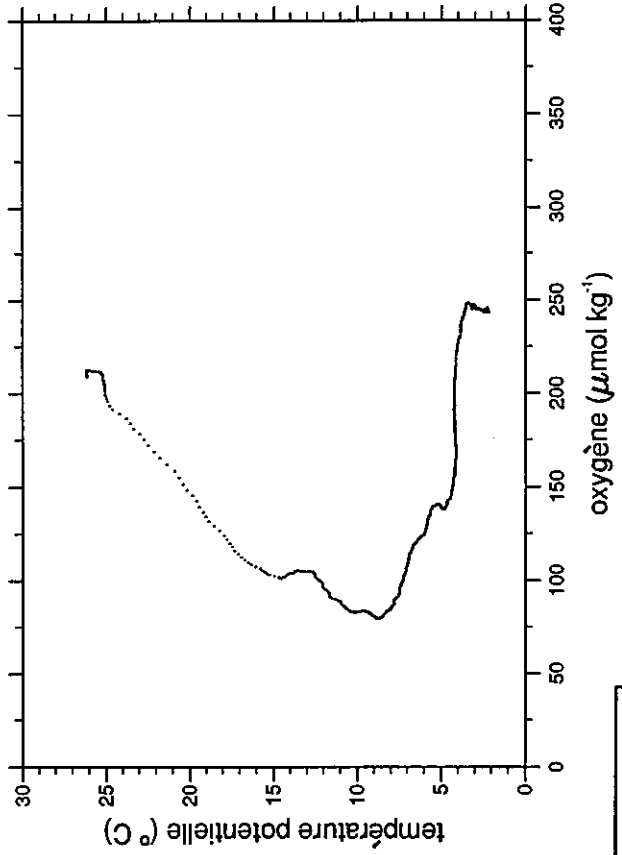
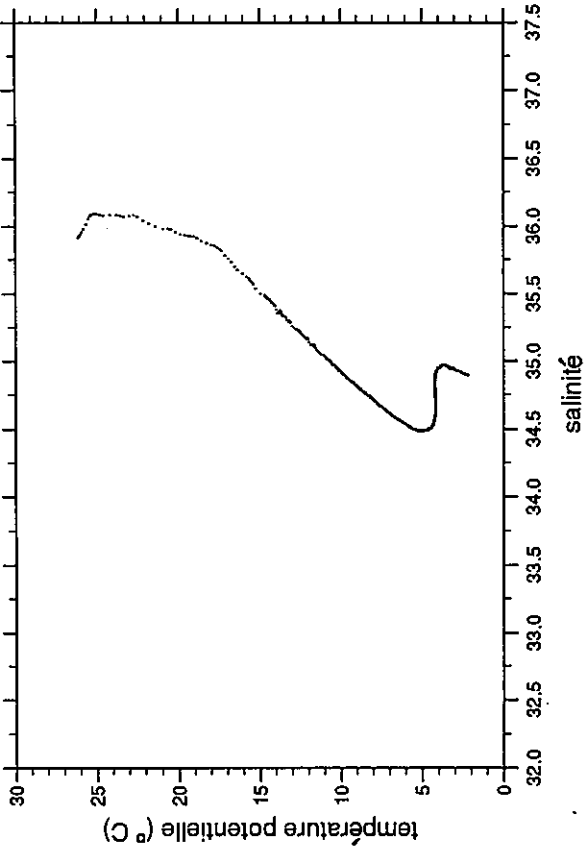
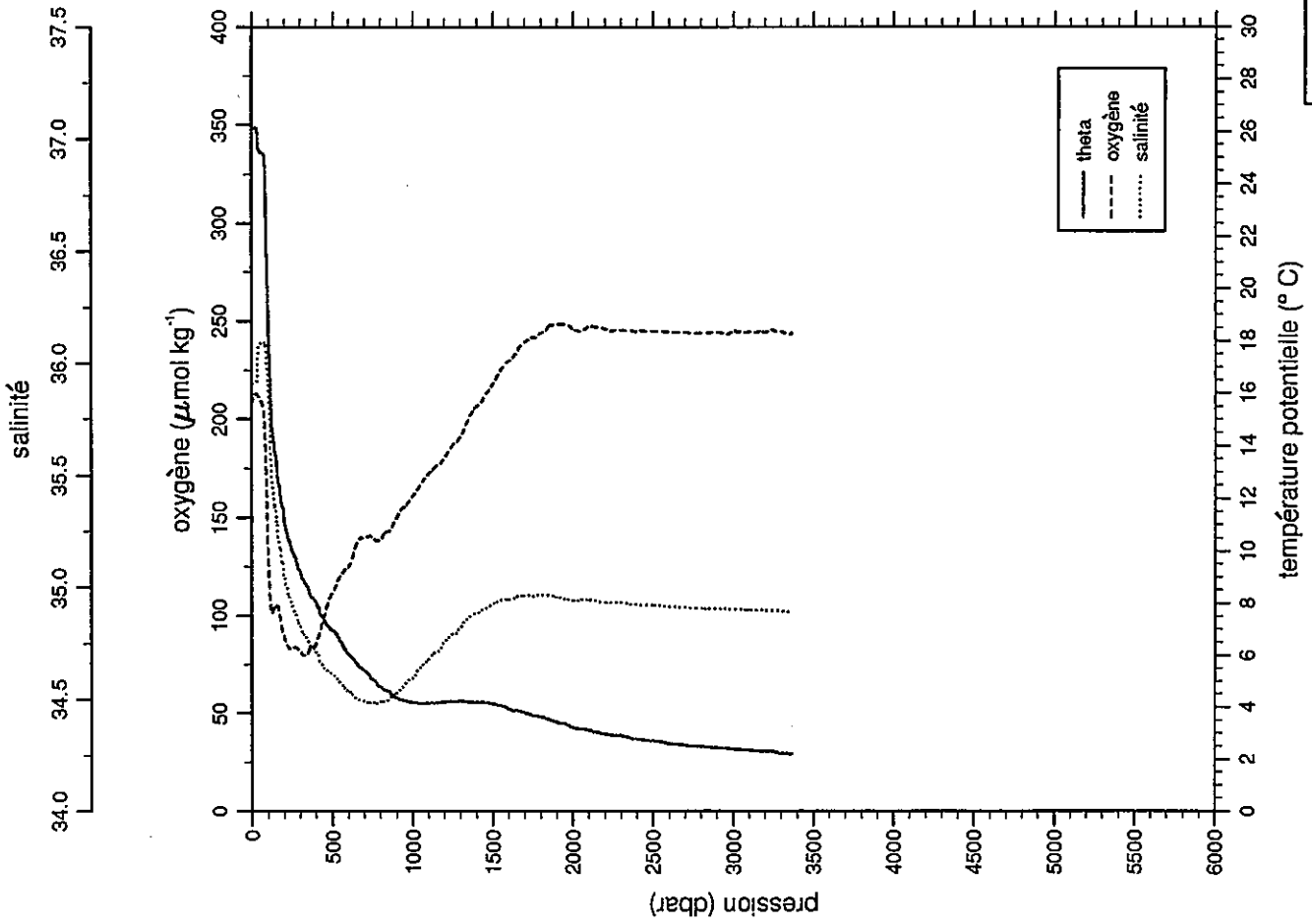


Station 50



Station : 51 Campagne : CITHRR1
 Date : 15-01-93 Navire : L'ATALANTE
 Profondeur: 3306 m Organisme : IFREMER
 Position : S 4 30.03
 W 14 0.14

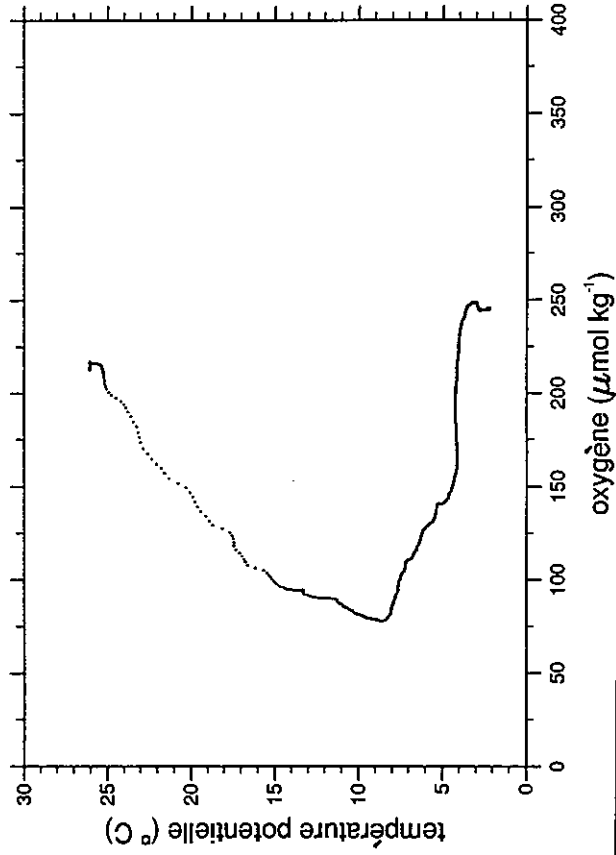
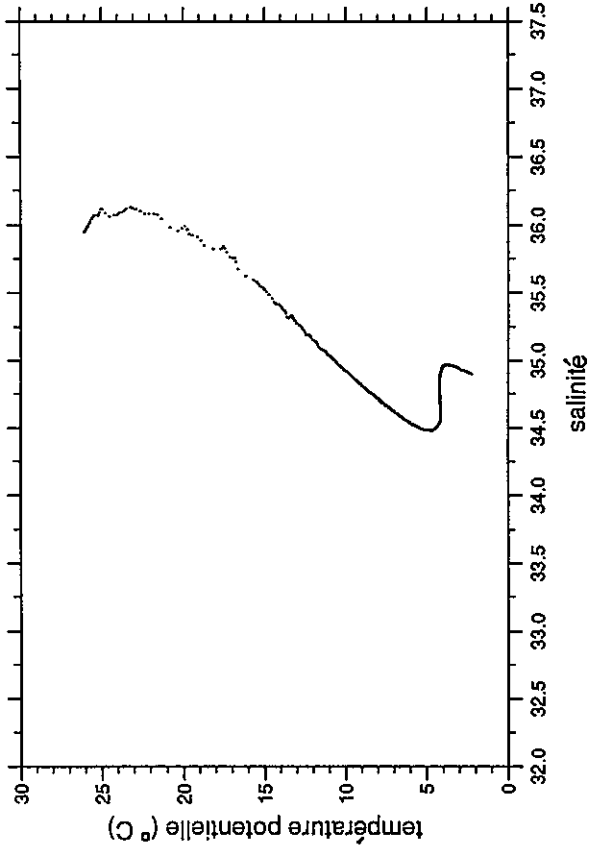
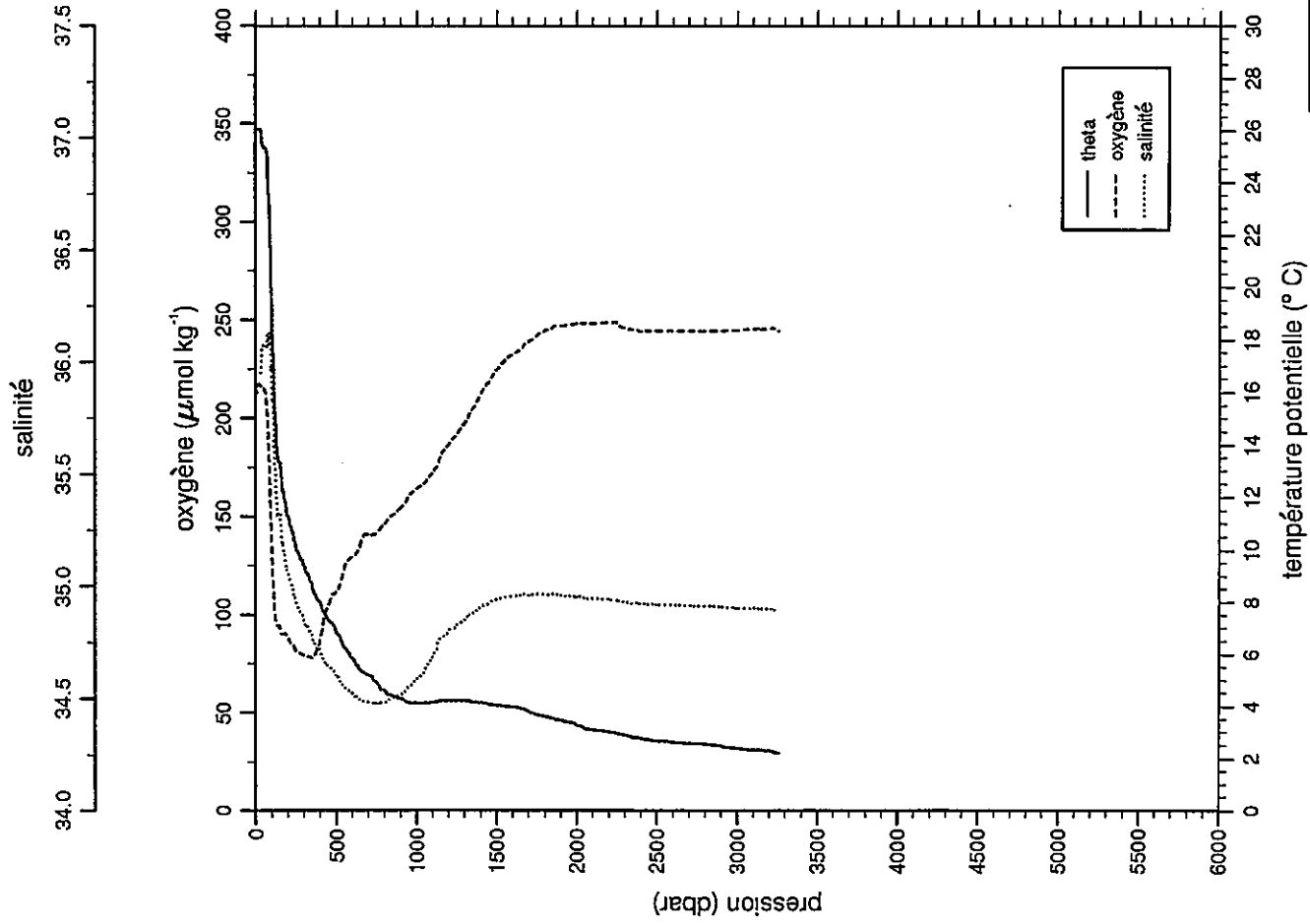
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.127	35.913	210.6	26.127	2850.	2.674	34.906	243.8	2.446
2.	26.127	35.913	209.0	26.126	2900.	2.655	34.905	244.1	2.422
3.	26.127	35.913	209.2	26.126	2950.	2.636	34.904	243.5	2.398
4.	26.127	35.912	209.5	26.126	3000.	2.607	34.902	244.7	2.365
5.	26.125	35.912	210.0	26.124	3050.	2.587	34.901	244.4	2.340
10.	26.129	35.912	211.3	26.126	3100.	2.574	34.900	244.5	2.323
20.	26.131	35.912	212.6	26.127	3150.	2.549	34.899	244.1	2.293
30.	26.087	35.924	212.5	26.080	3200.	2.552	34.899	244.2	2.290
40.	25.340	36.084	211.5	25.331	3250.	2.535	34.898	245.1	2.268
50.	25.226	36.087	210.0	25.215	3300.	2.486	34.895	244.4	2.215
100.	19.059	35.921	134.2	19.041	3350.	2.463	34.893	243.1	2.187
150.	13.522	35.337	105.2	13.501	3364.	2.465	34.893	243.4	2.189
200.	11.155	35.043	89.2	11.130					
250.	10.008	34.919	83.0	9.979					
300.	9.152	34.823	81.6	9.119					
350.	8.523	34.762	81.0	8.486					
400.	7.991	34.709	85.8	7.950					
450.	7.337	34.642	99.7	7.293					
500.	6.972	34.611	111.9	6.925					
550.	6.537	34.571	120.1	6.487					
600.	6.060	34.536	125.0	6.007					
650.	5.720	34.507	136.4	5.664					
700.	5.441	34.492	139.7	5.382					
750.	5.115	34.485	139.9	5.053					
800.	4.824	34.490	139.2	4.760					
850.	4.674	34.498	142.9	4.606					
900.	4.419	34.522	149.8	4.349					
950.	4.311	34.567	155.4	4.237					
1000.	4.248	34.594	160.6	4.170					
1050.	4.207	34.644	166.9	4.126					
1100.	4.226	34.681	172.0	4.139					
1150.	4.247	34.714	176.3	4.156					
1200.	4.281	34.755	180.6	4.185					
1250.	4.303	34.793	186.8	4.203					
1300.	4.327	34.822	191.2	4.222					
1350.	4.295	34.865	200.1	4.185					
1400.	4.294	34.886	206.7	4.180					
1450.	4.272	34.908	211.7	4.154					
1500.	4.233	34.926	218.1	4.110					
1550.	4.149	34.946	225.5	4.023					
1600.	4.024	34.946	229.6	3.894					
1650.	3.989	34.964	234.4	3.855					
1700.	3.901	34.965	239.1	3.763					
1750.	3.807	34.963	241.7	3.666					
1800.	3.753	34.967	243.8	3.608					
1850.	3.665	34.966	247.3	3.517					
1900.	3.571	34.958	248.1	3.420					
1950.	3.491	34.952	248.4	3.336					
2000.	3.362	34.943	245.5	3.204					
2050.	3.305	34.946	244.9	3.143					
2100.	3.275	34.947	247.4	3.109					
2150.	3.195	34.941	246.8	3.026					
2200.	3.120	34.934	245.9	2.947					
2250.	3.096	34.934	245.0	2.919					
2300.	3.090	34.933	245.4	2.908					
2350.	3.017	34.930	245.1	2.831					
2400.	2.952	34.925	244.4	2.763					
2450.	2.916	34.922	244.6	2.722					
2500.	2.887	34.920	244.7	2.689					
2550.	2.846	34.918	244.6	2.644					
2600.	2.788	34.914	244.2	2.582					
2650.	2.775	34.913	244.1	2.564					
2700.	2.747	34.911	244.1	2.533					
2750.	2.715	34.908	243.8	2.496					
2800.	2.696	34.908	243.8	2.472					



Station 51

Station	: 52	Campagne	: CITHER1
Date	: 15-01-93	Navire	: L'ATALANTE
Profondeur:	3256 m	Organisme	: IFREMER
Position	: S 4 29.98		
	W 14 30.09		

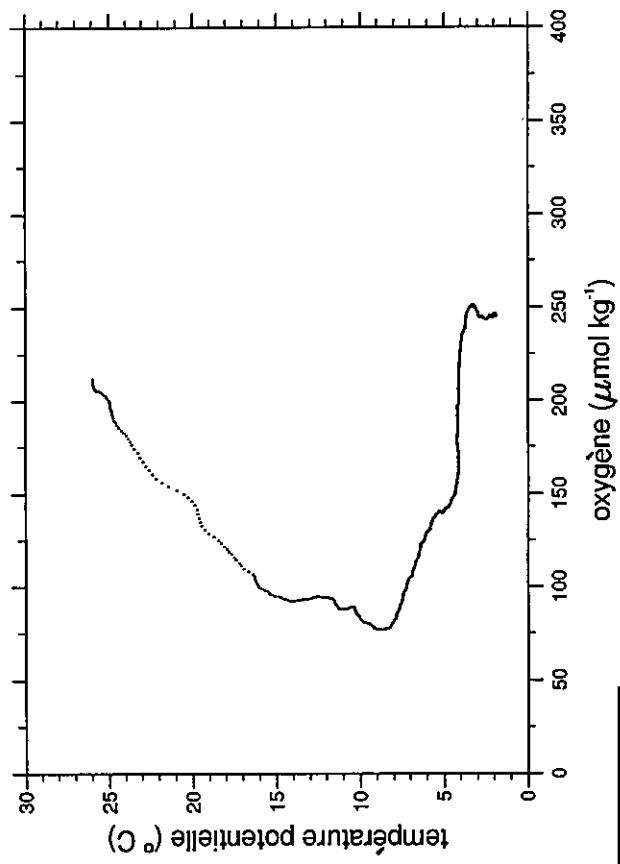
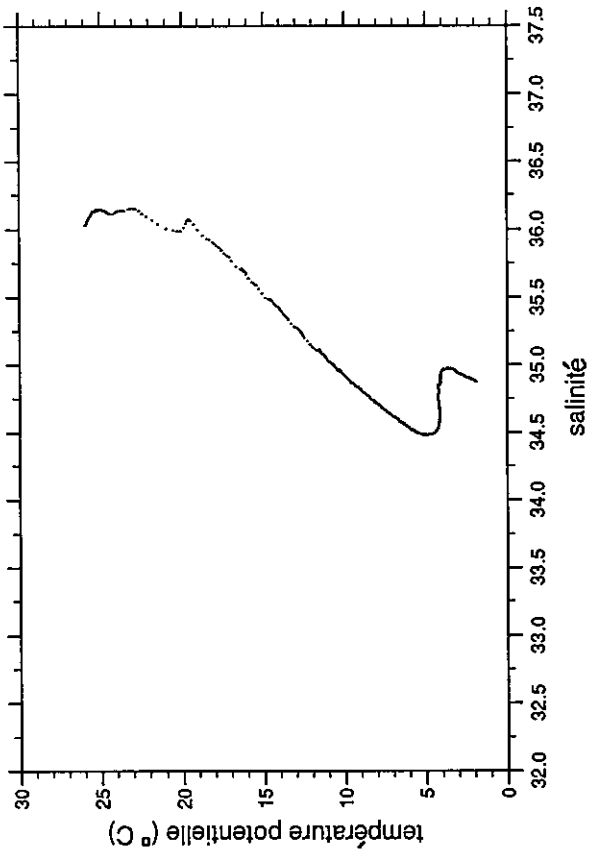
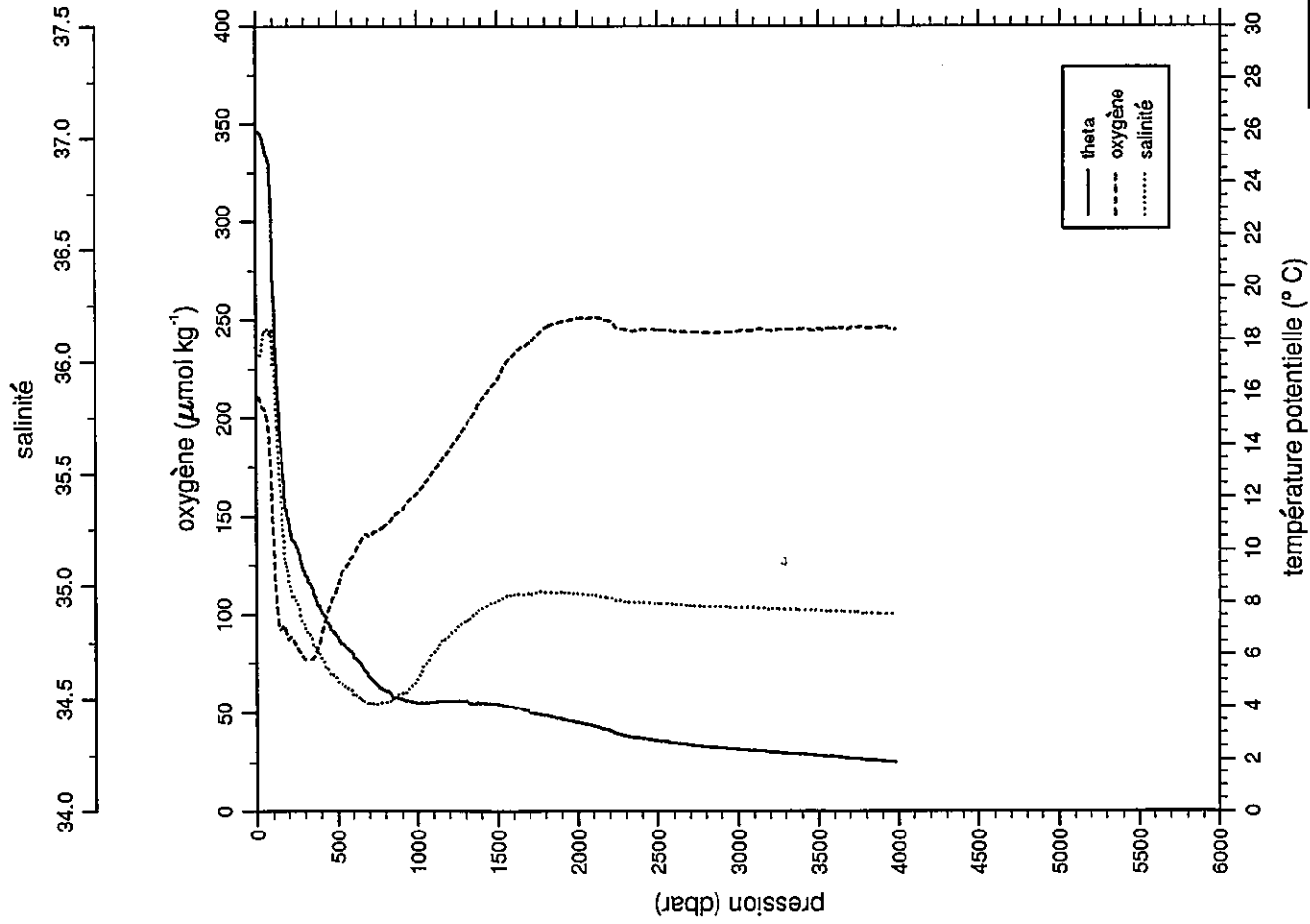
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.042	35.947	214.2	26.041	2850.	2.750	34.913	244.3	2.520
2.	26.035	35.947	213.5	26.035	2900.	2.707	34.909	244.5	2.473
3.	26.037	35.947	213.2	26.036	2950.	2.657	34.908	244.6	2.419
4.	26.038	35.947	212.7	26.037	3000.	2.635	34.907	244.7	2.392
5.	26.039	35.947	213.2	26.037	3050.	2.601	34.905	245.1	2.354
10.	26.047	35.947	215.6	26.044	3100.	2.580	34.904	245.5	2.329
20.	26.045	35.950	217.2	26.041	3150.	2.579	34.904	245.0	2.322
30.	26.030	35.954	216.4	26.023	3200.	2.544	34.901	245.8	2.283
40.	25.507	36.067	215.9	25.498	3250.	2.477	34.897	245.1	2.212
50.	25.373	36.071	215.0	25.362	3260.	2.480	34.897	244.3	2.214
100.	19.142	35.916	134.1	19.124					
150.	13.325	35.331	93.3	13.304					
200.	11.284	35.073	88.5	11.259					
250.	10.131	34.930	81.6	10.102					
300.	9.364	34.850	79.3	9.331					
350.	8.653	34.768	78.0	8.616					
400.	7.984	34.708	87.0	7.943					
450.	7.355	34.647	104.4	7.311					
500.	6.904	34.604	111.5	6.856					
550.	6.301	34.548	123.9	6.251					
600.	5.890	34.524	129.9	5.837					
650.	5.464	34.494	135.7	5.409					
700.	5.264	34.488	141.0	5.206					
750.	4.984	34.481	141.5	4.923					
800.	4.668	34.486	146.3	4.604					
850.	4.468	34.504	150.8	4.402					
900.	4.380	34.518	154.4	4.310					
950.	4.236	34.553	160.2	4.163					
1000.	4.213	34.591	164.1	4.136					
1050.	4.217	34.623	167.1	4.135					
1100.	4.252	34.686	171.9	4.165					
1150.	4.301	34.768	180.8	4.209					
1200.	4.315	34.797	186.7	4.219					
1250.	4.322	34.823	191.6	4.221					
1300.	4.323	34.852	197.6	4.218					
1350.	4.290	34.881	204.8	4.180					
1400.	4.266	34.908	212.2	4.152					
1450.	4.189	34.921	218.2	4.072					
1500.	4.176	34.944	224.9	4.054					
1550.	4.136	34.953	229.4	4.010					
1600.	4.109	34.958	232.5	3.978					
1650.	4.069	34.960	235.0	3.934					
1700.	3.946	34.963	239.2	3.808					
1750.	3.823	34.966	241.8	3.682					
1800.	3.763	34.968	244.5	3.618					
1850.	3.694	34.969	246.2	3.546					
1900.	3.620	34.963	247.0	3.468					
1950.	3.549	34.959	247.4	3.393					
2000.	3.450	34.954	248.2	3.290					
2050.	3.316	34.949	248.5	3.154					
2100.	3.259	34.947	248.1	3.093					
2150.	3.239	34.946	248.5	3.069					
2200.	3.208	34.944	248.6	3.033					
2250.	3.153	34.939	248.5	2.975					
2300.	3.062	34.931	245.7	2.880					
2350.	2.999	34.927	244.9	2.814					
2400.	2.975	34.926	243.9	2.786					
2450.	2.918	34.922	244.5	2.725					
2500.	2.877	34.920	244.3	2.679					
2550.	2.873	34.919	244.4	2.671					
2600.	2.838	34.918	244.5	2.631					
2650.	2.824	34.917	244.4	2.613					
2700.	2.811	34.916	244.5	2.595					
2750.	2.789	34.915	244.3	2.568					
2800.	2.777	34.914	244.3	2.552					



Station 52

Station : 53	Campagne : CITHER1
Date : 15-01-93	Navire : L'ATALANTE
Profondeur: 3954 m	Organisme : IFREMER
Position : S 4 30.02	
W 15 0.22	

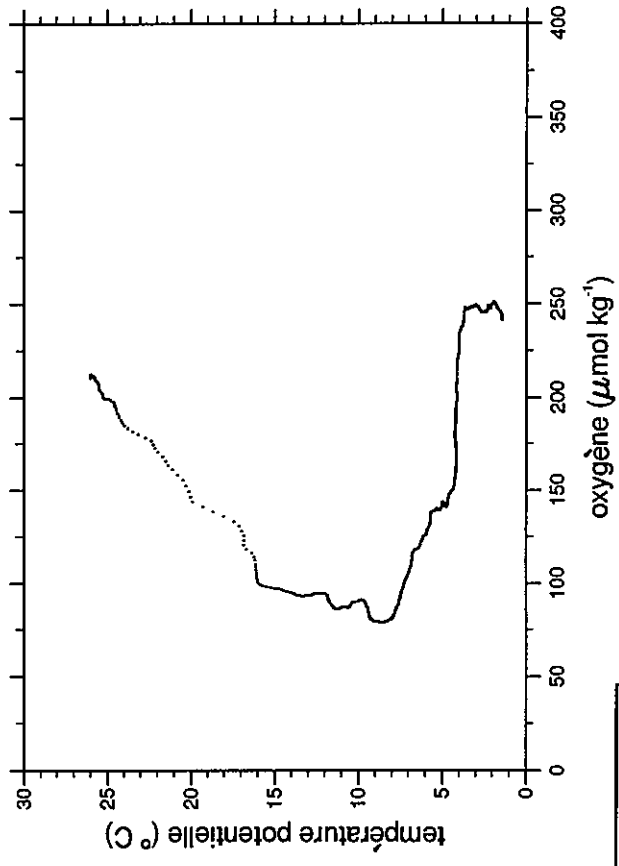
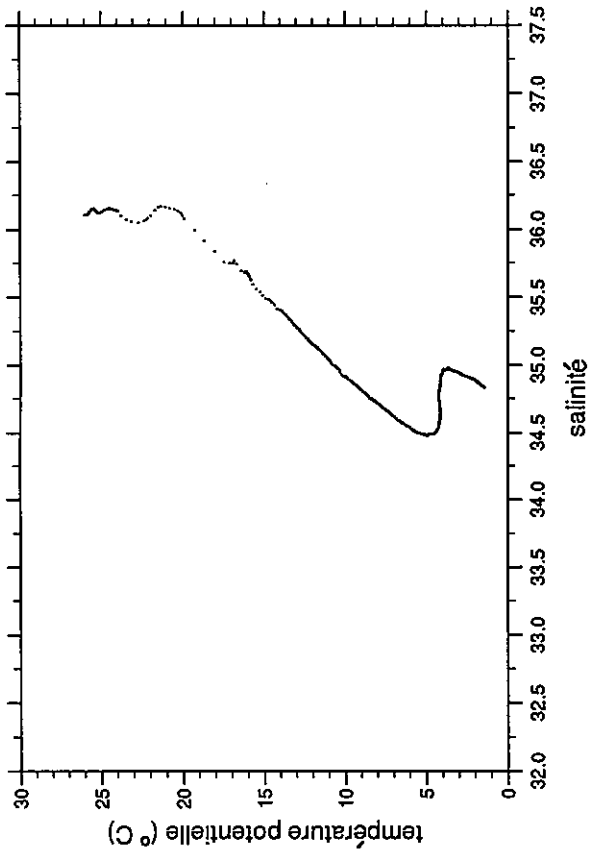
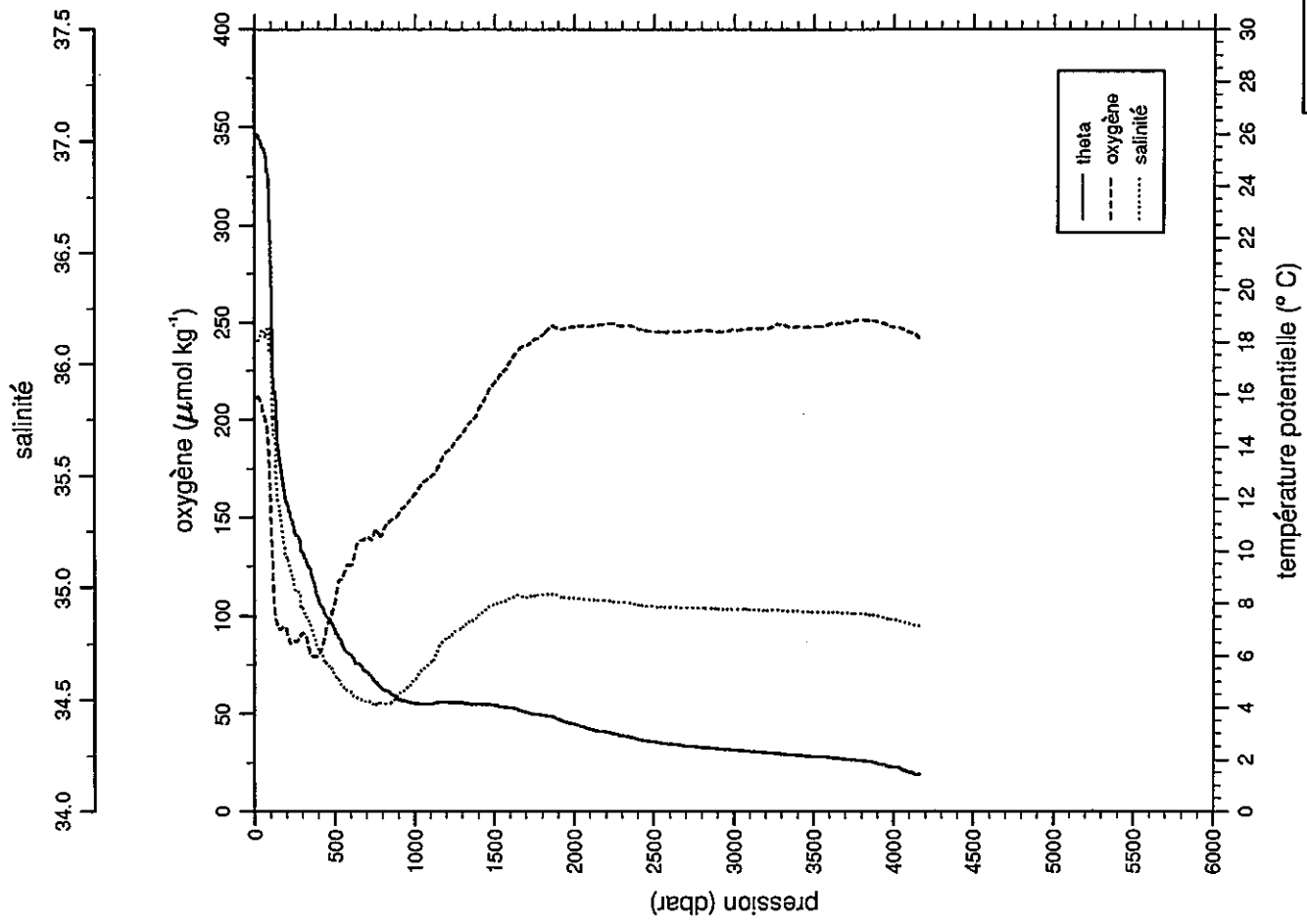
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.957	36.029	211.7	25.957	2850.	2.676	34.908	243.5	2.448
2.	25.957	36.029	209.7	25.956	2900.	2.659	34.907	243.6	2.426
3.	25.955	36.030	210.2	25.954	2950.	2.640	34.906	243.8	2.403
4.	25.954	36.030	210.9	25.953	3000.	2.606	34.905	244.1	2.363
5.	25.957	36.030	211.4	25.956	3050.	2.599	34.905	244.3	2.352
10.	25.959	36.030	211.8	25.957	3100.	2.580	34.904	244.7	2.328
20.	25.929	36.029	209.1	25.924	3150.	2.555	34.901	245.1	2.299
30.	25.800	36.059	206.0	25.794	3200.	2.523	34.899	244.5	2.262
40.	25.593	36.104	205.1	25.584	3250.	2.509	34.898	245.0	2.244
50.	25.337	36.135	203.6	25.326	3300.	2.485	34.897	245.0	2.214
100.	20.065	35.987	146.0	20.046	3350.	2.477	34.896	245.0	2.202
150.	14.004	35.416	92.3	13.982	3400.	2.467	34.895	245.2	2.186
200.	11.150	35.051	87.5	11.125	3450.	2.453	34.894	244.8	2.167
250.	10.083	34.928	83.9	10.054	3500.	2.425	34.892	245.2	2.135
300.	9.108	34.819	77.2	9.075	3550.	2.403	34.890	245.2	2.108
350.	8.448	34.753	77.5	8.412	3600.	2.391	34.888	245.6	2.091
400.	7.693	34.681	88.9	7.654	3650.	2.373	34.886	245.7	2.067
450.	7.146	34.628	104.1	7.103	3700.	2.335	34.884	245.6	2.025
500.	6.718	34.587	113.9	6.672	3750.	2.324	34.883	246.0	2.009
550.	6.368	34.553	123.5	6.318	3800.	2.294	34.880	245.6	1.974
600.	6.027	34.530	129.8	5.974	3850.	2.287	34.879	245.9	1.961
650.	5.635	34.500	137.6	5.579	3900.	2.266	34.878	246.2	1.935
700.	5.180	34.485	139.5	5.122	3950.	2.245	34.876	245.3	1.910
750.	4.845	34.480	142.5	4.785	3980.	2.231	34.874	244.9	1.893
800.	4.657	34.487	145.6	4.594					
850.	4.427	34.509	150.4	4.361					
900.	4.362	34.525	153.5	4.292					
950.	4.283	34.546	158.0	4.210					
1000.	4.226	34.586	161.8	4.149					
1050.	4.233	34.653	167.5	4.151					
1100.	4.259	34.706	172.8	4.173					
1150.	4.321	34.760	178.7	4.229					
1200.	4.295	34.790	184.1	4.199					
1250.	4.306	34.821	189.7	4.206					
1300.	4.313	34.849	195.9	4.208					
1350.	4.210	34.870	201.4	4.101					
1400.	4.228	34.902	209.0	4.115					
1450.	4.226	34.920	214.7	4.108					
1500.	4.203	34.935	219.6	4.080					
1550.	4.136	34.954	227.6	4.009					
1600.	4.084	34.960	231.8	3.954					
1650.	4.034	34.965	235.7	3.900					
1700.	3.898	34.961	238.1	3.761					
1750.	3.837	34.969	242.1	3.696					
1800.	3.788	34.973	245.9	3.643					
1850.	3.737	34.973	247.8	3.587					
1900.	3.674	34.971	249.0	3.521					
1950.	3.610	34.969	249.8	3.453					
2000.	3.554	34.967	250.7	3.393					
2050.	3.479	34.963	250.3	3.314					
2100.	3.419	34.960	251.2	3.251					
2150.	3.335	34.953	250.5	3.163					
2200.	3.263	34.946	249.2	3.087					
2250.	3.114	34.936	245.3	2.936					
2300.	3.049	34.930	244.9	2.867					
2350.	2.998	34.928	244.2	2.813					
2400.	2.969	34.928	245.0	2.779					
2450.	2.934	34.925	245.0	2.740					
2500.	2.898	34.923	244.5	2.700					
2550.	2.873	34.922	244.7	2.670					
2600.	2.828	34.918	244.1	2.621					
2650.	2.798	34.916	244.1	2.587					
2700.	2.749	34.912	243.7	2.534					
2750.	2.724	34.911	243.6	2.505					
2800.	2.693	34.909	243.5	2.469					



Station 53

Station : 54 Campagne : CITHER1
 Date : 15-01-93 Navire : L'ATALANTE
 Profondeur: 4144 m Organisme : IFREMER
 Position : S 4 29.96
 W 15 30.04

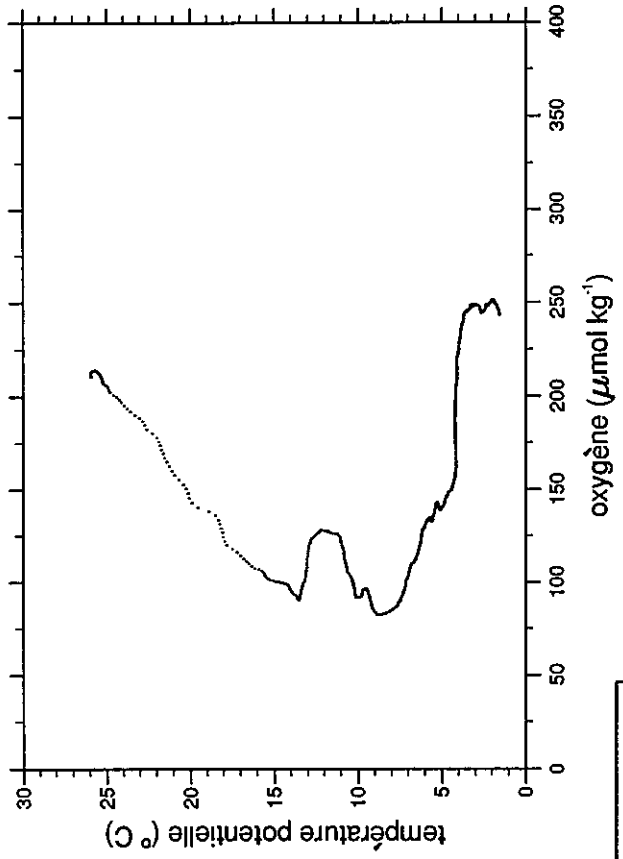
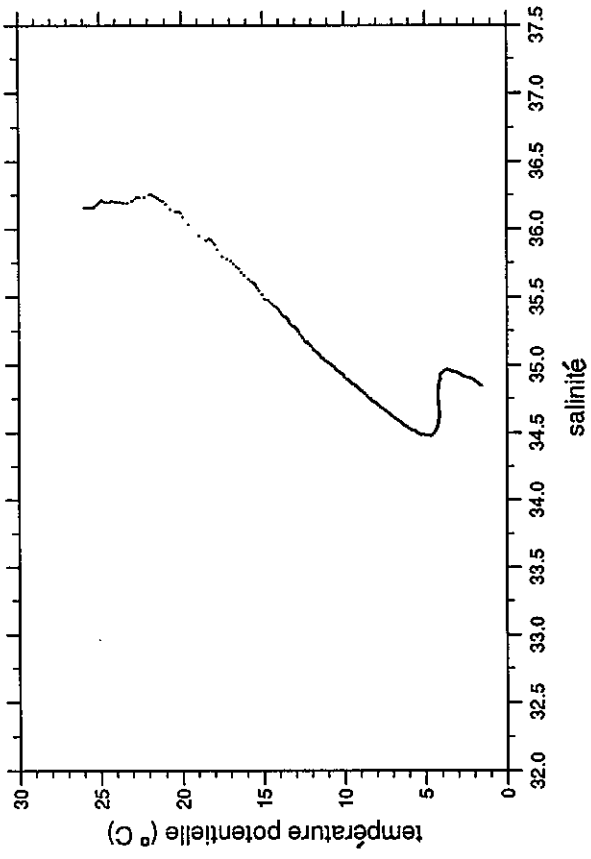
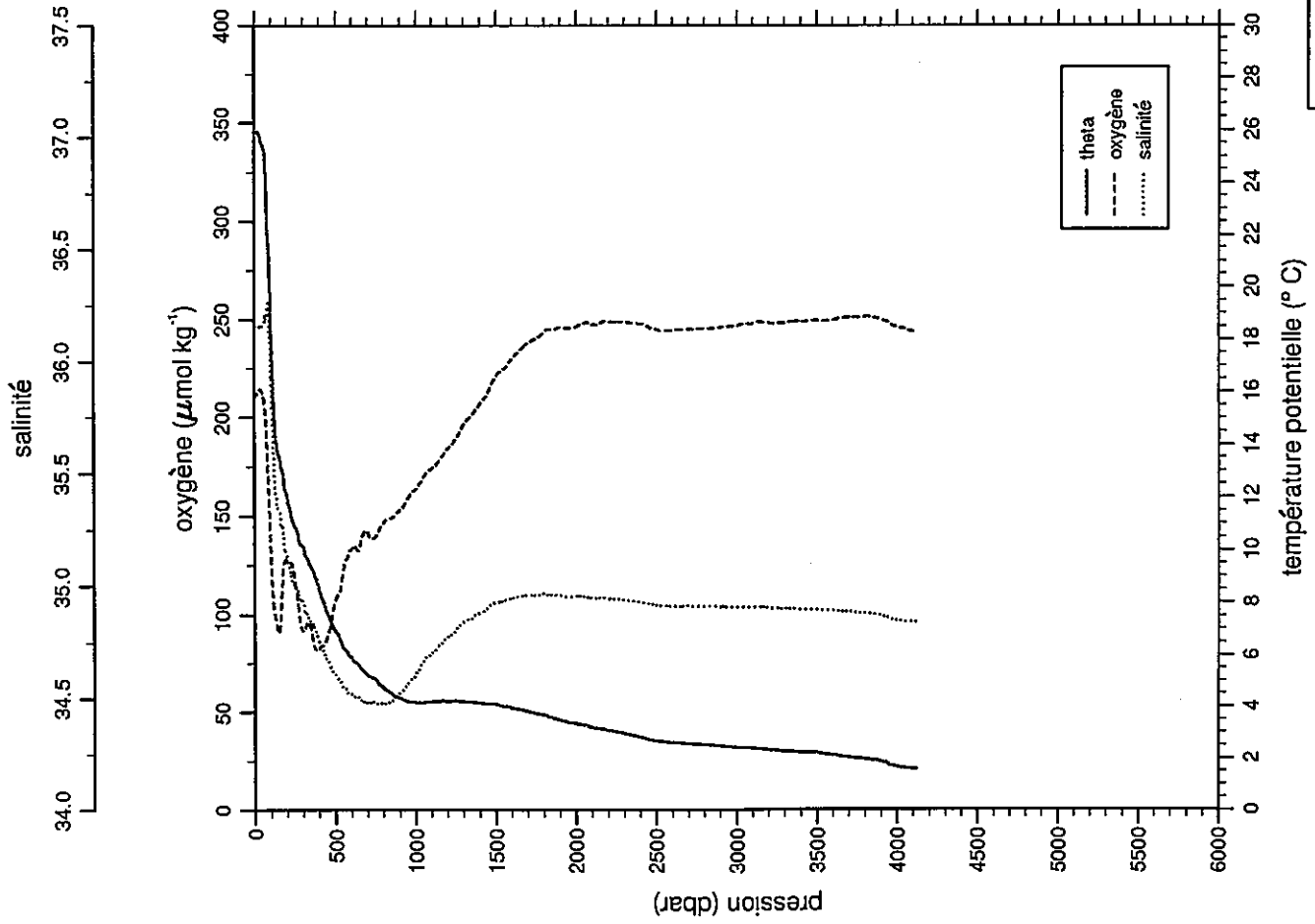
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.992	36.105	211.8	25.991	2850.	2.659	34.908	245.8	2.431
2.	25.996	36.106	210.2	25.995	2900.	2.646	34.906	245.3	2.414
3.	25.998	36.106	211.1	25.997	2950.	2.620	34.905	245.4	2.383
4.	25.997	36.105	211.5	25.996	3000.	2.599	34.905	246.2	2.357
5.	25.996	36.105	211.6	25.995	3050.	2.591	34.904	246.3	2.344
10.	25.986	36.103	212.3	25.984	3100.	2.568	34.903	246.9	2.316
20.	25.932	36.104	212.1	25.928	3150.	2.543	34.902	247.0	2.287
30.	25.753	36.125	210.3	25.746	3200.	2.524	34.901	247.0	2.263
40.	25.581	36.145	208.4	25.572	3250.	2.517	34.903	248.4	2.251
50.	25.476	36.152	205.0	25.465	3300.	2.486	34.900	249.0	2.215
100.	20.793	36.153	158.2	20.774	3350.	2.454	34.896	247.6	2.179
150.	13.737	35.370	93.9	13.716	3400.	2.444	34.896	247.9	2.164
200.	11.839	35.135	92.7	11.813	3450.	2.423	34.893	247.5	2.138
250.	10.706	34.996	87.2	10.675	3500.	2.403	34.892	247.7	2.113
300.	9.943	34.908	91.1	9.909	3550.	2.401	34.892	248.0	2.106
350.	9.203	34.830	80.2	9.164	3600.	2.380	34.892	249.3	2.080
400.	8.105	34.721	80.6	8.064	3650.	2.356	34.890	249.4	2.051
450.	7.508	34.663	93.9	7.464	3700.	2.326	34.887	250.3	2.016
500.	7.001	34.612	106.5	6.953	3750.	2.306	34.886	251.0	1.992
550.	6.398	34.559	119.9	6.348	3800.	2.285	34.884	251.3	1.965
600.	6.051	34.537	125.8	5.998	3850.	2.255	34.882	251.1	1.930
650.	5.722	34.508	137.7	5.666	3900.	2.184	34.874	250.4	1.856
700.	5.425	34.493	140.2	5.366	3950.	2.128	34.868	249.3	1.795
750.	5.055	34.480	142.7	4.994	4000.	2.049	34.859	247.6	1.714
800.	4.749	34.485	142.3	4.685	4050.	1.966	34.850	247.0	1.627
850.	4.593	34.489	148.4	4.526	4100.	1.852	34.840	245.1	1.511
900.	4.388	34.523	151.9	4.317	4150.	1.774	34.832	242.8	1.430
950.	4.305	34.554	156.8	4.231	4167.	1.772	34.831	241.1	1.426
1000.	4.255	34.592	161.9	4.177					
1050.	4.221	34.638	167.7	4.139					
1100.	4.242	34.668	171.0	4.156					
1150.	4.297	34.735	176.4	4.205					
1200.	4.306	34.774	183.5	4.210					
1250.	4.304	34.799	188.2	4.203					
1300.	4.302	34.826	193.1	4.197					
1350.	4.236	34.848	199.1	4.127					
1400.	4.252	34.881	205.0	4.138					
1450.	4.231	34.909	212.1	4.112					
1500.	4.216	34.929	219.1	4.094					
1550.	4.144	34.939	224.3	4.017					
1600.	4.135	34.956	230.2	4.004					
1650.	4.040	34.962	235.9	3.905					
1700.	3.946	34.960	238.0	3.808					
1750.	3.882	34.966	241.2	3.740					
1800.	3.850	34.970	243.7	3.703					
1850.	3.804	34.974	247.7	3.654					
1900.	3.701	34.963	247.1	3.547					
1950.	3.589	34.959	247.2	3.433					
2000.	3.532	34.956	248.1	3.371					
2050.	3.425	34.952	248.5	3.262					
2100.	3.343	34.948	248.0	3.176					
2150.	3.253	34.946	249.0	3.082					
2200.	3.231	34.944	249.4	3.056					
2250.	3.163	34.939	249.4	2.984					
2300.	3.092	34.935	248.4	2.910					
2350.	3.038	34.932	248.5	2.852					
2400.	2.947	34.923	246.8	2.757					
2450.	2.906	34.920	245.8	2.713					
2500.	2.857	34.916	245.6	2.660					
2550.	2.835	34.916	245.2	2.633					
2600.	2.795	34.914	245.3	2.589					
2650.	2.769	34.913	245.4	2.559					
2700.	2.720	34.911	245.4	2.506					
2750.	2.707	34.911	245.8	2.488					
2800.	2.685	34.910	245.9	2.461					



Station 54

Station	: 55	Campagne	: CITHER1
Date	: 16-01-93	Navire	: L'ATALANTE
Profondeur:	4066 m	Organisme	: IPREMER
Position	: S 4 30.00		
	W 16 0.02		

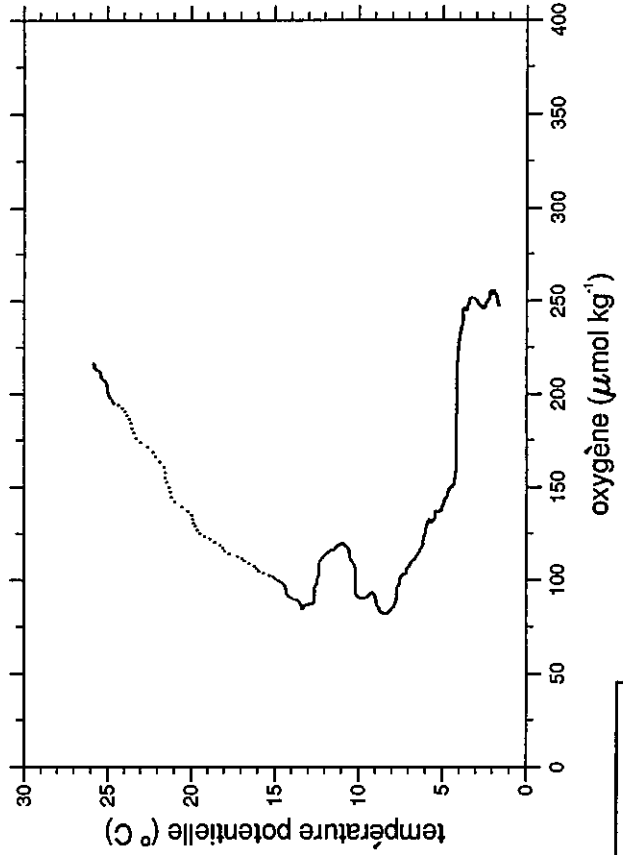
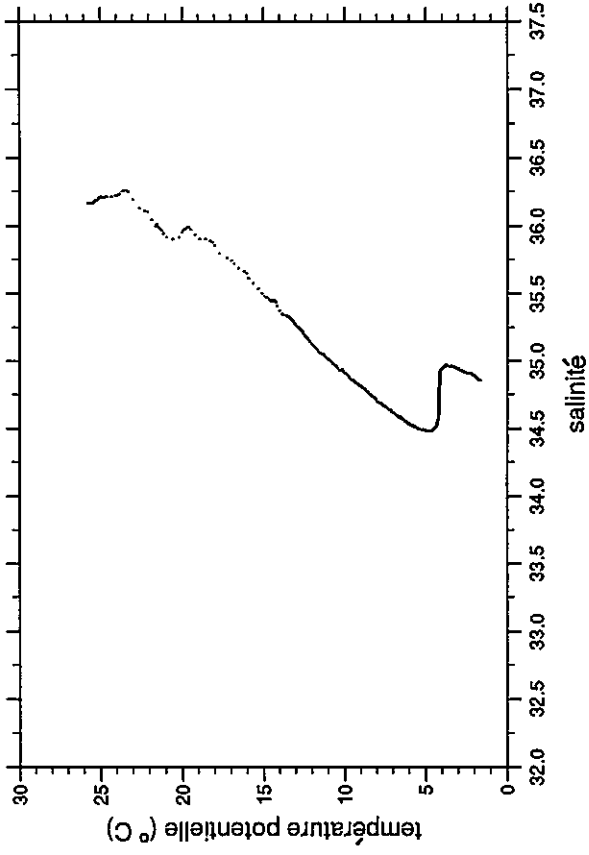
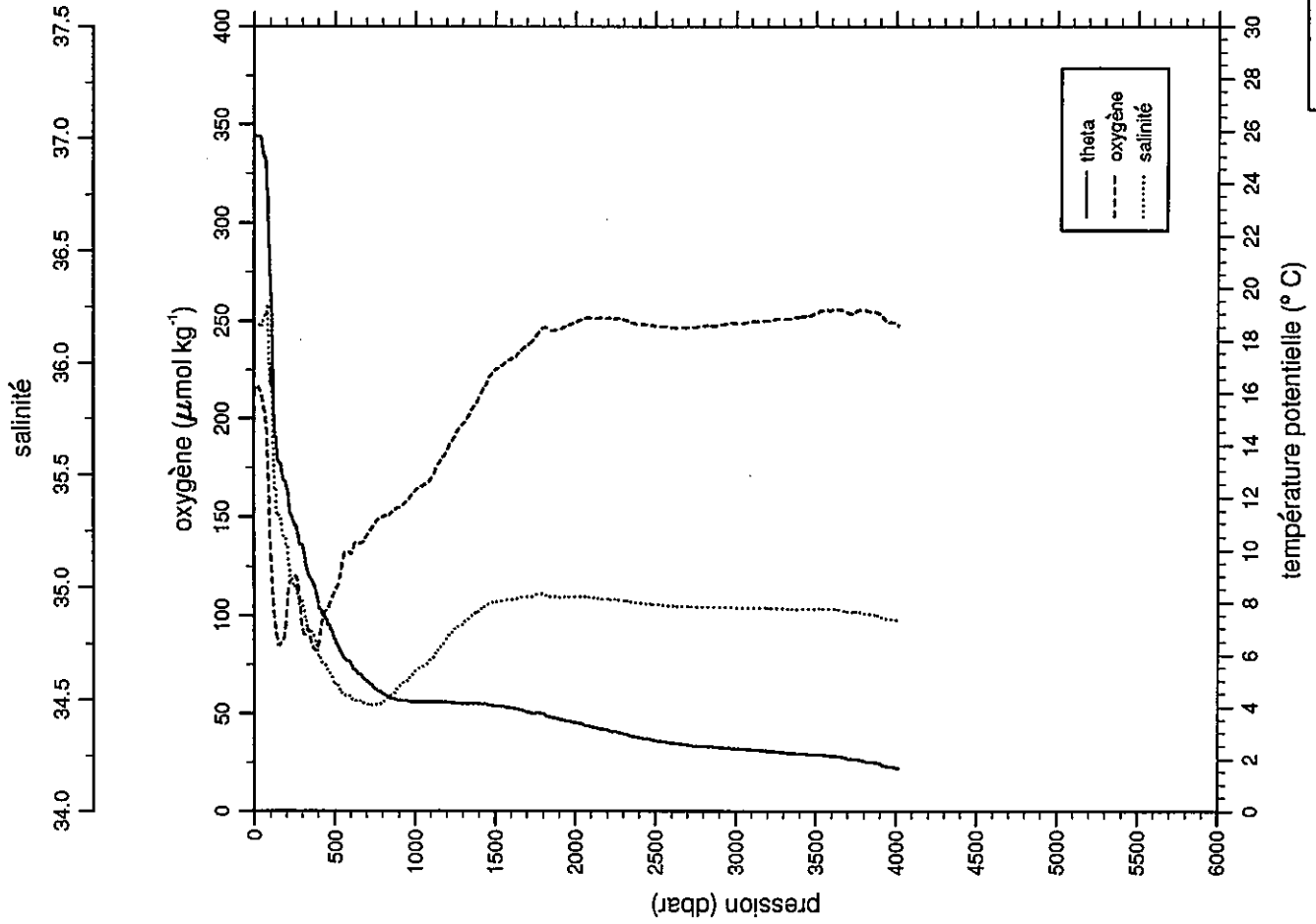
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.915	36.159	211.3	25.915	2850.	2.703	34.910	245.7	2.474
2.	25.915	36.159	211.3	25.915	2900.	2.679	34.909	246.1	2.445
3.	25.904	36.159	210.8	25.904	2950.	2.660	34.909	246.4	2.422
4.	25.908	36.159	211.0	25.907	3000.	2.631	34.908	246.9	2.389
5.	25.914	36.159	211.0	25.913	3050.	2.623	34.908	247.7	2.376
10.	25.918	36.159	211.8	25.916	3100.	2.611	34.908	248.1	2.359
20.	25.920	36.158	213.3	25.916	3150.	2.589	34.908	248.8	2.331
30.	25.812	36.156	214.1	25.805	3200.	2.558	34.904	248.3	2.297
40.	25.570	36.157	213.8	25.561	3250.	2.533	34.902	248.0	2.267
50.	25.369	36.158	211.7	25.358	3300.	2.510	34.901	248.5	2.238
100.	18.249	35.921	131.3	18.232	3350.	2.497	34.900	248.9	2.221
150.	13.533	35.342	90.4	13.512	3400.	2.472	34.898	248.9	2.191
200.	12.055	35.137	127.7	12.029	3450.	2.465	34.898	249.4	2.179
250.	10.852	35.003	116.4	10.821	3500.	2.468	34.898	249.5	2.176
300.	10.130	34.932	91.5	10.095	3550.	2.430	34.894	249.1	2.133
350.	9.342	34.846	92.2	9.302	3600.	2.394	34.893	249.9	2.094
400.	8.412	34.751	82.9	8.370	3650.	2.349	34.890	250.6	2.044
450.	7.593	34.670	88.9	7.549	3700.	2.309	34.887	251.3	2.000
500.	6.935	34.608	107.3	6.888	3750.	2.275	34.883	251.2	1.961
550.	6.272	34.546	123.0	6.223	3800.	2.269	34.883	251.4	1.950
600.	5.922	34.521	133.3	5.870	3850.	2.222	34.878	251.1	1.898
650.	5.580	34.500	133.9	5.525	3900.	2.165	34.871	249.8	1.838
700.	5.259	34.486	141.9	5.200	3950.	2.040	34.857	248.5	1.711
750.	5.091	34.484	139.8	5.030	4000.	1.976	34.852	246.3	1.643
800.	4.759	34.478	146.5	4.695	4050.	1.926	34.846	245.1	1.589
850.	4.572	34.492	149.1	4.505	4100.	1.914	34.845	243.7	1.571
900.	4.387	34.523	153.0	4.317	4117.	1.897	34.842	243.6	1.553
950.	4.264	34.566	158.6	4.190					
1000.	4.244	34.610	163.7	4.166					
1050.	4.239	34.673	169.8	4.157					
1100.	4.268	34.706	174.0	4.181					
1150.	4.297	34.743	178.6	4.205					
1200.	4.301	34.779	184.1	4.205					
1250.	4.309	34.808	189.1	4.209					
1300.	4.295	34.846	196.4	4.190					
1350.	4.280	34.864	200.8	4.170					
1400.	4.239	34.885	206.7	4.126					
1450.	4.204	34.910	212.4	4.086					
1500.	4.216	34.931	220.7	4.094					
1550.	4.114	34.932	224.9	3.988					
1600.	4.044	34.949	230.2	3.914					
1650.	3.995	34.957	234.6	3.861					
1700.	3.932	34.960	238.0	3.794					
1750.	3.843	34.961	240.3	3.702					
1800.	3.816	34.967	243.6	3.671					
1850.	3.699	34.960	244.8	3.550					
1900.	3.611	34.958	246.0	3.458					
1950.	3.538	34.954	245.7	3.382					
2000.	3.516	34.956	246.4	3.355					
2050.	3.448	34.953	248.4	3.284					
2100.	3.377	34.948	247.4	3.209					
2150.	3.315	34.948	248.0	3.144					
2200.	3.254	34.943	248.9	3.078					
2250.	3.203	34.942	248.8	3.024					
2300.	3.136	34.938	248.6	2.953					
2350.	3.069	34.934	248.2	2.882					
2400.	3.003	34.931	247.9	2.813					
2450.	2.908	34.921	246.4	2.714					
2500.	2.851	34.915	244.8	2.653					
2550.	2.820	34.913	244.5	2.619					
2600.	2.800	34.912	244.4	2.594					
2650.	2.774	34.913	244.6	2.564					
2700.	2.764	34.913	245.1	2.549					
2750.	2.741	34.912	245.2	2.521					
2800.	2.718	34.911	245.5	2.494					



Station 55

Station : 56 Campagne : CITHER1
 Date : 16-01-93 Navire : L'ATALANTE
 Profondeur: 4004 m Organisme : IFREMER
 Position : S 4 30.04
 W 16 30.05

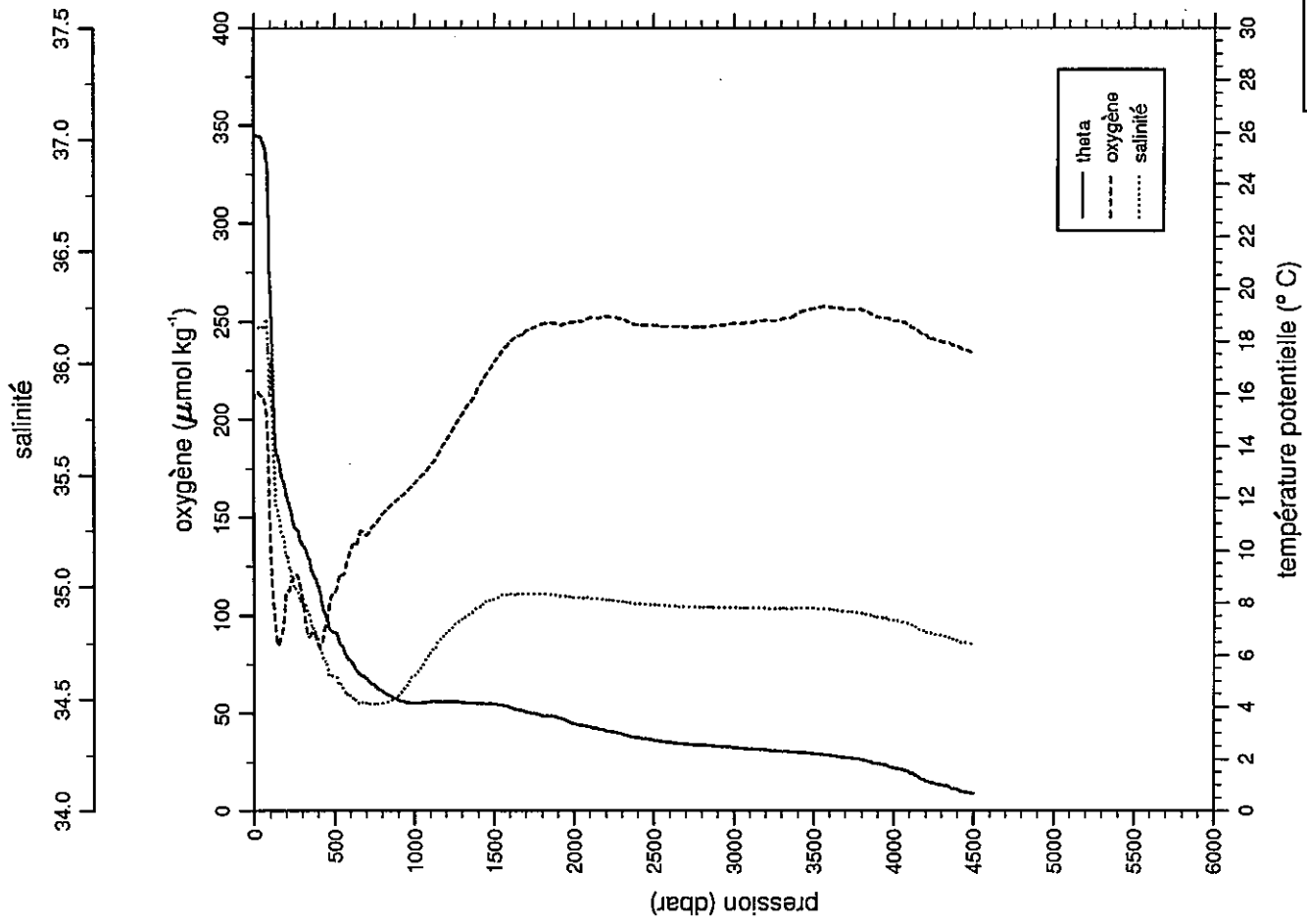
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.809	36.169	215.6	25.809	2850.	2.691	34.911	247.3	2.462
2.	25.808	36.169	214.4	25.807	2900.	2.677	34.910	247.5	2.444
3.	25.811	36.169	214.7	25.811	2950.	2.660	34.911	248.3	2.422
4.	25.811	36.169	215.2	25.810	3000.	2.636	34.908	248.6	2.393
5.	25.809	36.169	215.3	25.808	3050.	2.623	34.908	248.7	2.375
10.	25.809	36.169	216.2	25.806	3100.	2.611	34.908	249.4	2.359
20.	25.811	36.169	216.5	25.806	3150.	2.601	34.908	249.8	2.344
30.	25.797	36.168	215.4	25.790	3200.	2.576	34.906	250.0	2.314
40.	25.756	36.166	213.9	25.747	3250.	2.546	34.905	250.6	2.279
50.	25.395	36.182	210.1	25.384	3300.	2.534	34.904	250.8	2.262
100.	20.216	35.916	137.1	20.198	3350.	2.503	34.902	251.2	2.227
150.	13.393	35.322	85.4	13.372	3400.	2.490	34.902	251.6	2.209
200.	12.428	35.179	101.1	12.401	3450.	2.475	34.901	252.3	2.188
250.	10.993	35.008	119.7	10.962	3500.	2.478	34.904	253.8	2.186
300.	10.184	34.933	93.1	10.148	3550.	2.458	34.902	255.2	2.161
350.	8.963	34.807	88.3	8.925	3600.	2.432	34.901	255.3	2.130
400.	7.882	34.692	86.2	7.842	3650.	2.414	34.898	255.4	2.107
450.	7.393	34.643	102.7	7.349	3700.	2.335	34.889	254.0	2.025
500.	6.627	34.581	112.5	6.581	3750.	2.317	34.891	254.5	2.002
550.	6.019	34.526	128.3	5.971	3800.	2.261	34.885	255.5	1.942
600.	5.737	34.514	131.2	5.685	3850.	2.215	34.880	254.5	1.891
650.	5.322	34.491	136.5	5.268	3900.	2.141	34.869	253.3	1.814
700.	5.028	34.482	140.5	4.972	3950.	2.037	34.858	249.5	1.708
750.	4.750	34.479	146.4	4.691	4000.	1.991	34.854	248.1	1.657
800.	4.556	34.491	149.9	4.493	4014.	1.981	34.853	247.4	1.646
850.	4.400	34.520	151.6	4.334					
900.	4.331	34.558	155.0	4.261					
950.	4.295	34.588	158.0	4.221					
1000.	4.268	34.625	163.0	4.190					
1050.	4.267	34.649	165.9	4.185					
1100.	4.274	34.677	169.4	4.187					
1150.	4.283	34.733	177.4	4.192					
1200.	4.277	34.781	183.8	4.182					
1250.	4.256	34.820	191.5	4.156					
1300.	4.235	34.837	197.1	4.130					
1350.	4.255	34.874	203.9	4.146					
1400.	4.231	34.899	210.9	4.117					
1450.	4.204	34.923	218.7	4.086					
1500.	4.174	34.937	224.8	4.052					
1550.	4.146	34.942	227.8	4.020					
1600.	4.101	34.946	230.4	3.971					
1650.	4.045	34.953	233.9	3.910					
1700.	3.959	34.958	237.5	3.821					
1750.	3.919	34.969	241.5	3.777					
1800.	3.888	34.973	246.4	3.741					
1850.	3.752	34.960	244.9	3.602					
1900.	3.688	34.958	245.7	3.535					
1950.	3.626	34.960	247.8	3.469					
2000.	3.571	34.960	249.3	3.410					
2050.	3.499	34.958	251.2	3.335					
2100.	3.433	34.955	251.6	3.265					
2150.	3.357	34.951	251.4	3.185					
2200.	3.311	34.948	251.2	3.134					
2250.	3.232	34.943	251.1	3.052					
2300.	3.155	34.939	250.5	2.972					
2350.	3.082	34.933	248.9	2.895					
2400.	3.014	34.929	248.2	2.823					
2450.	2.968	34.925	247.8	2.774					
2500.	2.905	34.922	247.2	2.706					
2550.	2.873	34.919	247.1	2.670					
2600.	2.818	34.916	246.4	2.612					
2650.	2.795	34.914	246.3	2.584					
2700.	2.773	34.914	246.3	2.557					
2750.	2.722	34.912	246.7	2.503					
2800.	2.708	34.912	247.3	2.484					



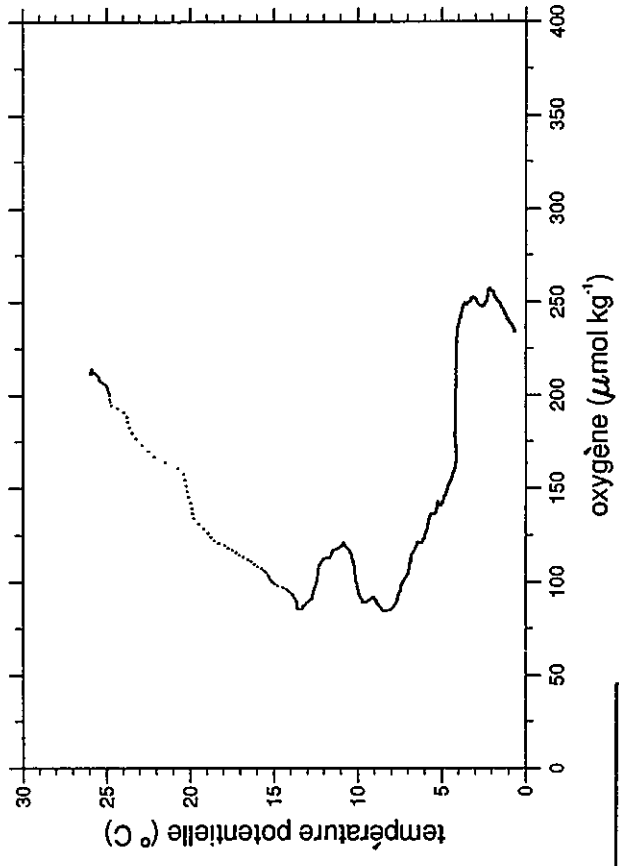
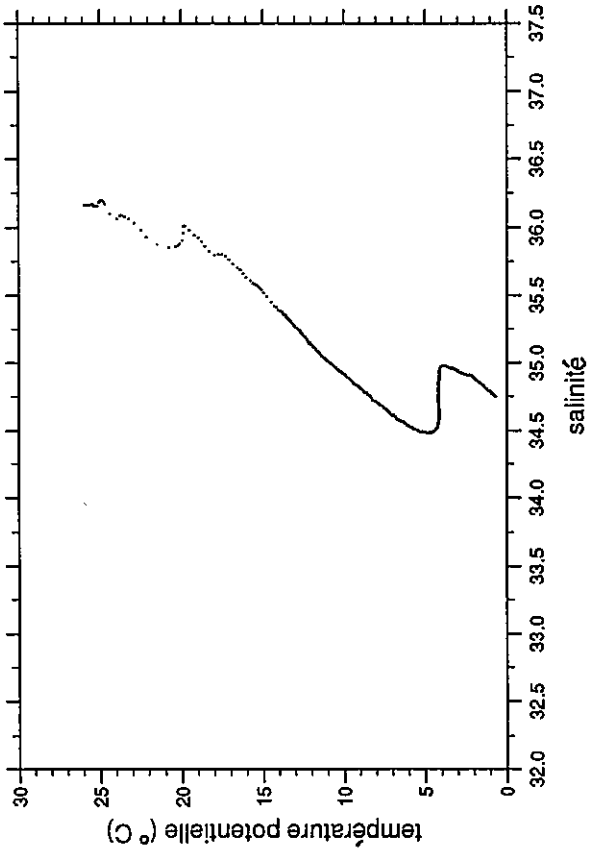
Station 56

Station : 57 Campagne : CITHER1
 Date : 16-01-93 Navire : L'ATALANTE
 Profondeur: 4474 m Organisme : IFREMER
 Position : S 4 29.93
 W 16 59.97

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.913	36.162	212.4	25.913	2850.	2.756	34.913	247.7	2.526
2.	25.928	36.163	211.2	25.928	2900.	2.734	34.911	247.9	2.500
3.	25.928	36.162	211.6	25.927	2950.	2.714	34.911	248.5	2.475
4.	25.924	36.162	211.9	25.923	3000.	2.697	34.911	249.1	2.453
5.	25.919	36.162	212.4	25.918	3050.	2.672	34.909	249.2	2.423
10.	25.905	36.160	213.1	25.903	3100.	2.657	34.909	249.5	2.404
20.	25.868	36.161	214.1	25.864	3150.	2.642	34.909	250.2	2.383
30.	25.861	36.161	213.3	25.855	3200.	2.621	34.907	250.7	2.358
40.	25.853	36.160	212.5	25.844	3250.	2.594	34.905	250.4	2.326
50.	25.730	36.158	212.1	25.719	3300.	2.583	34.907	251.3	2.310
100.	20.117	35.878	145.3	20.098	3350.	2.568	34.906	252.2	2.290
150.	13.551	35.340	85.2	13.530	3400.	2.551	34.908	254.2	2.269
200.	12.111	35.136	111.5	12.084	3450.	2.538	34.908	255.8	2.250
250.	10.927	34.998	120.2	10.896	3500.	2.511	34.907	256.7	2.218
300.	10.262	34.935	108.8	10.226	3550.	2.481	34.905	257.4	2.184
350.	9.508	34.857	89.7	9.468	3600.	2.451	34.902	257.4	2.149
400.	8.654	34.775	85.5	8.612	3650.	2.394	34.898	257.2	2.088
450.	7.495	34.662	96.9	7.450	3700.	2.364	34.893	256.1	2.053
500.	6.890	34.604	111.9	6.842	3750.	2.336	34.891	256.0	2.020
550.	6.384	34.561	120.7	6.334	3800.	2.285	34.885	256.0	1.965
600.	5.841	34.517	132.5	5.789	3850.	2.214	34.877	254.4	1.891
650.	5.363	34.484	139.1	5.309	3900.	2.143	34.869	252.3	1.816
700.	5.147	34.486	140.8	5.090	3950.	2.104	34.865	251.8	1.772
750.	4.908	34.480	145.8	4.847	4000.	1.996	34.853	250.4	1.662
800.	4.673	34.483	151.7	4.609	4050.	1.934	34.848	250.0	1.596
850.	4.492	34.495	155.4	4.426	4100.	1.815	34.835	248.2	1.475
900.	4.350	34.517	159.3	4.280	4150.	1.677	34.819	245.5	1.335
950.	4.254	34.559	162.9	4.181	4200.	1.501	34.801	243.1	1.159
1000.	4.220	34.603	167.5	4.143	4250.	1.404	34.791	241.2	1.060
1050.	4.242	34.651	171.4	4.160	4300.	1.341	34.784	239.6	0.993
1100.	4.273	34.708	176.5	4.186	4350.	1.259	34.774	238.8	0.908
1150.	4.297	34.761	182.6	4.205	4400.	1.167	34.765	236.9	0.813
1200.	4.297	34.799	189.5	4.201	4450.	1.067	34.754	235.5	0.711
1250.	4.302	34.837	196.1	4.201	4499.	1.013	34.748	233.6	0.653
1300.	4.280	34.863	202.7	4.175					
1350.	4.266	34.882	208.7	4.157					
1400.	4.245	34.915	216.0	4.131					
1450.	4.246	34.938	223.0	4.127					
1500.	4.213	34.951	228.7	4.090					
1550.	4.194	34.967	235.2	4.067					
1600.	4.105	34.972	239.5	3.974					
1650.	4.017	34.972	242.6	3.882					
1700.	3.935	34.973	245.0	3.797					
1750.	3.892	34.974	247.1	3.750					
1800.	3.814	34.972	248.9	3.668					
1850.	3.804	34.970	249.5	3.654					
1900.	3.736	34.962	248.9	3.582					
1950.	3.650	34.962	249.1	3.492					
2000.	3.529	34.956	249.8	3.369					
2050.	3.473	34.954	250.3	3.309					
2100.	3.415	34.954	252.1	3.247					
2150.	3.356	34.950	251.9	3.184					
2200.	3.267	34.945	252.7	3.091					
2250.	3.207	34.943	252.0	3.028					
2300.	3.141	34.938	251.4	2.958					
2350.	3.044	34.929	249.5	2.858					
2400.	3.016	34.927	248.5	2.826					
2450.	2.977	34.925	248.3	2.782					
2500.	2.934	34.922	248.2	2.735					
2550.	2.872	34.919	247.7	2.669					
2600.	2.854	34.917	247.5	2.647					
2650.	2.817	34.915	247.6	2.605					
2700.	2.797	34.914	247.4	2.581					
2750.	2.776	34.913	247.4	2.556					
2800.	2.771	34.912	247.4	2.546					

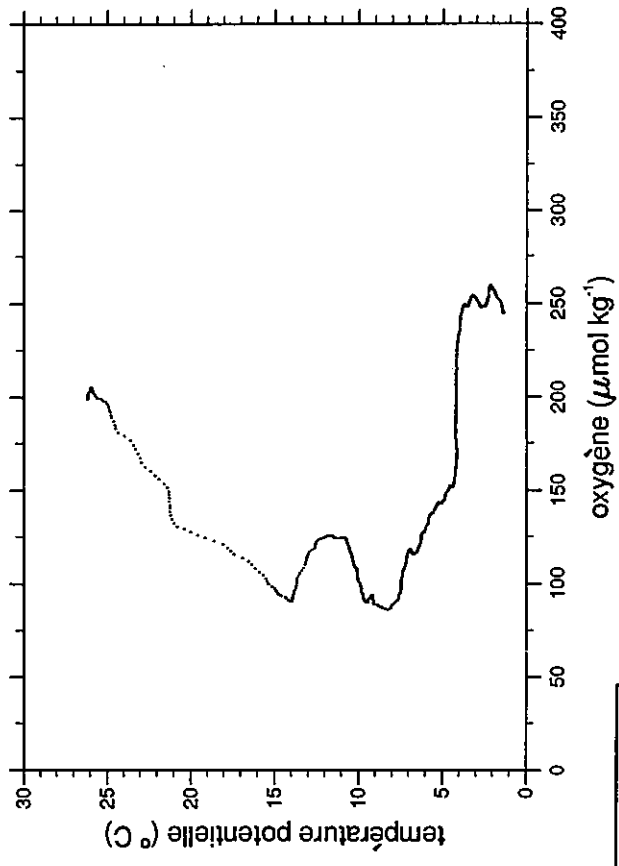
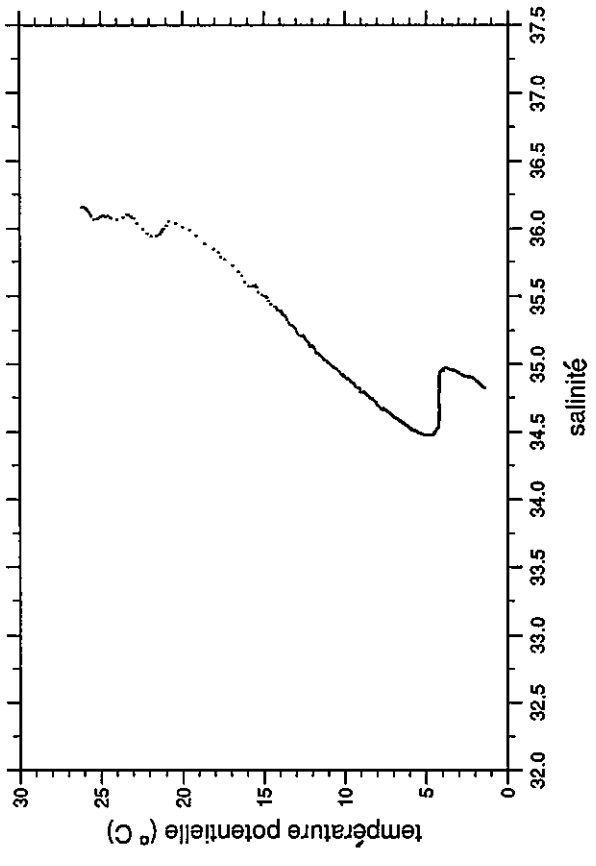
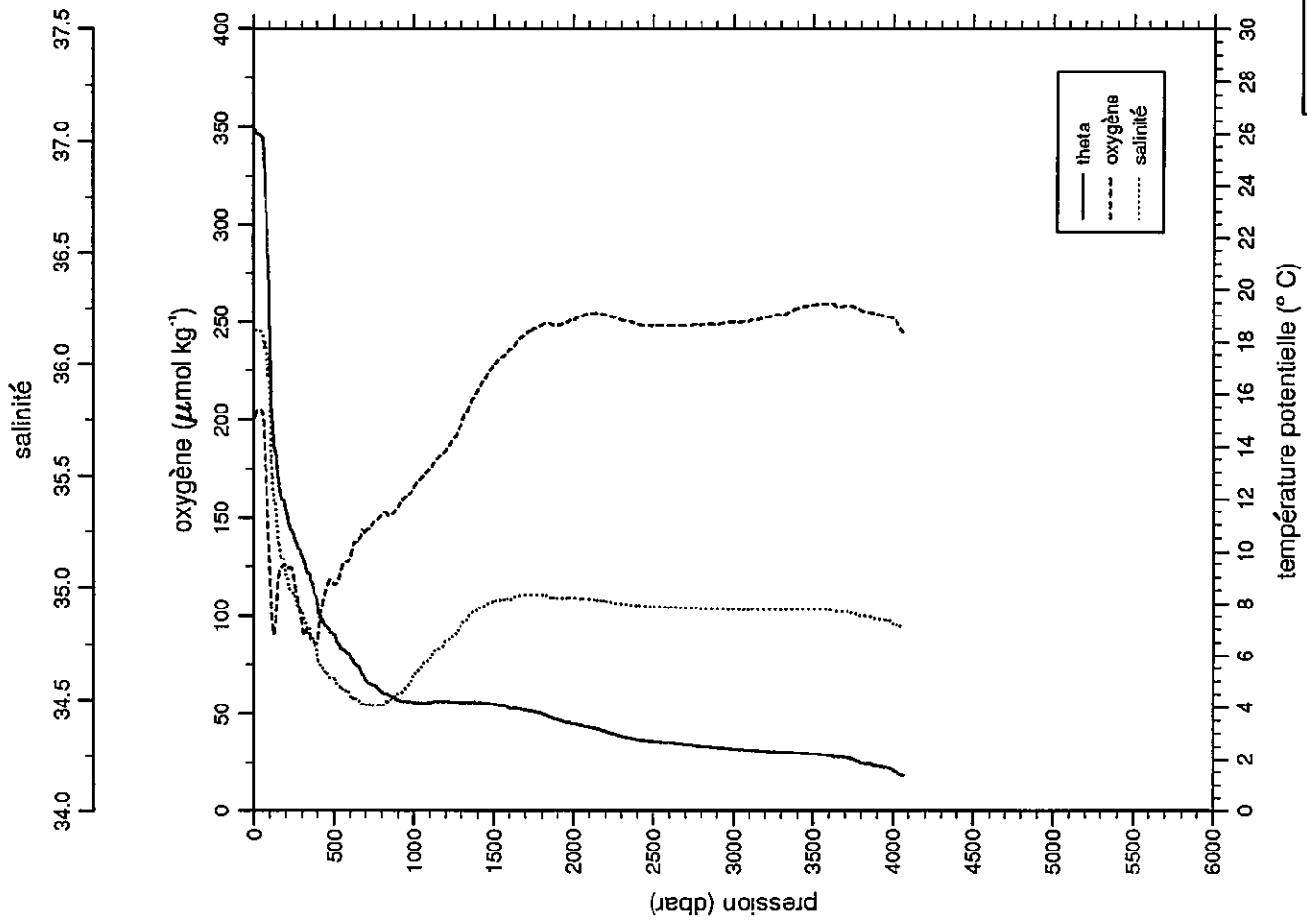


Station 57



Station	: 58	Campagne	: CITHERR1
Date	: 16-01-93	Navire	: L'ATALANTE
Profondeur	: 4129 m	Organisme	: IPREMER
Position	: S 4 30.26		
	W 17 30.02		

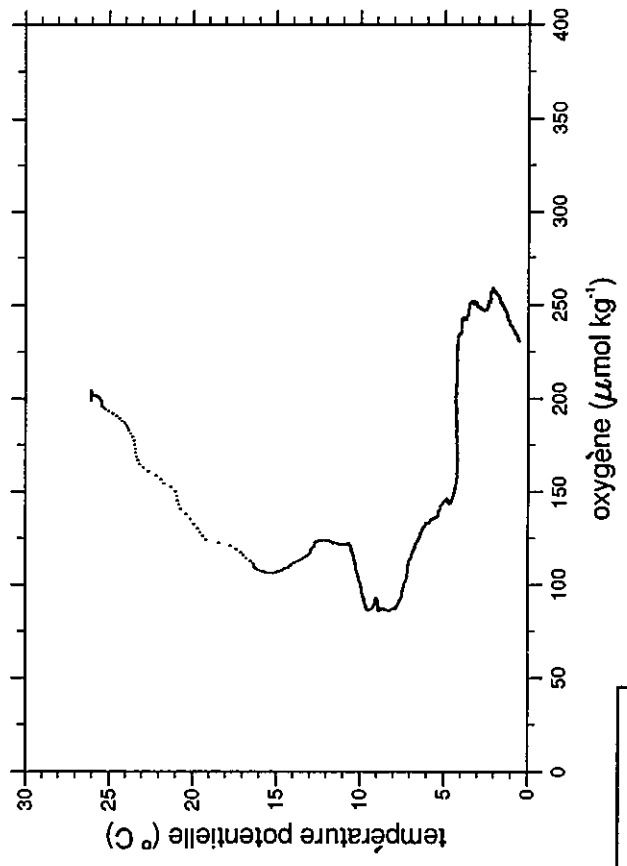
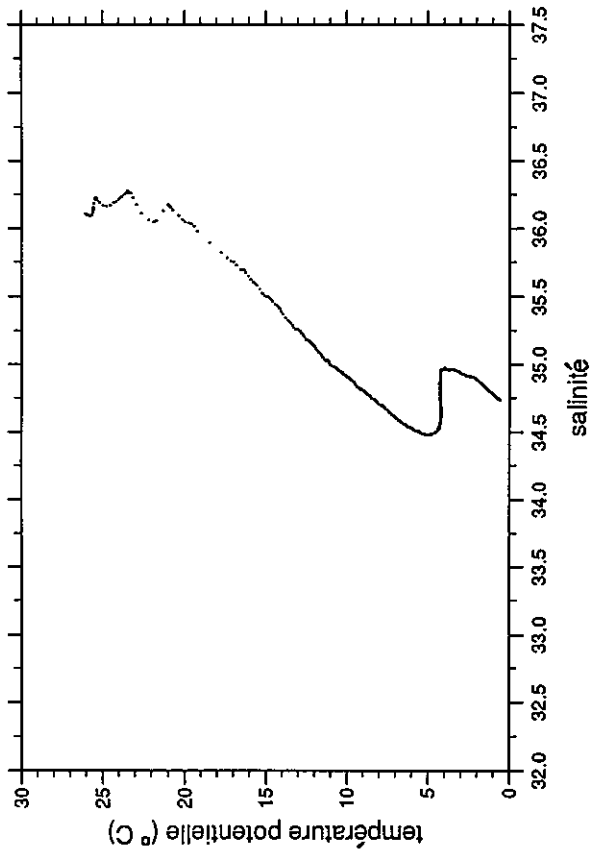
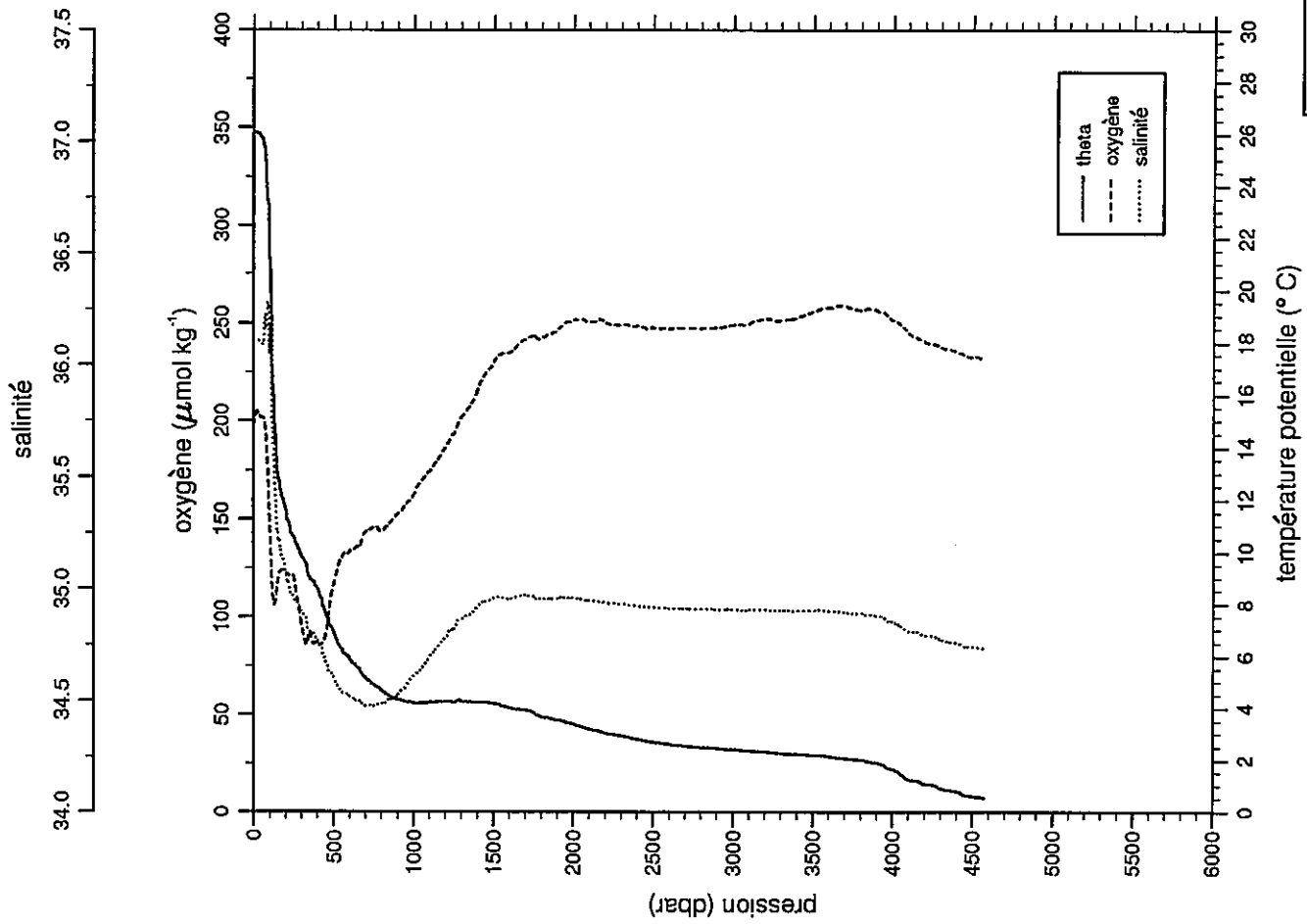
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.126	36.153	201.0	26.125	2850.	2.715	34.908	249.1	2.486
2.	26.154	36.154	201.6	26.154	2900.	2.696	34.908	248.7	2.463
3.	26.154	36.154	199.4	26.153	2950.	2.678	34.907	249.5	2.439
4.	26.152	36.154	199.3	26.151	3000.	2.648	34.906	250.0	2.405
5.	26.151	36.154	200.0	26.150	3050.	2.622	34.904	250.1	2.374
10.	26.099	36.149	202.5	26.097	3100.	2.611	34.905	250.4	2.359
20.	25.993	36.148	204.9	25.989	3150.	2.600	34.905	251.2	2.343
30.	25.980	36.147	205.3	25.973	3200.	2.587	34.904	252.1	2.325
40.	25.964	36.146	205.4	25.955	3250.	2.564	34.904	253.4	2.297
50.	25.914	36.141	204.4	25.903	3300.	2.545	34.902	253.3	2.273
100.	20.013	36.008	127.6	19.995	3350.	2.546	34.906	255.0	2.269
150.	13.131	35.269	112.6	13.111	3400.	2.538	34.906	256.7	2.255
200.	11.585	35.066	125.4	11.559	3450.	2.516	34.906	257.8	2.229
250.	10.598	34.965	119.7	10.568	3500.	2.502	34.905	258.5	2.209
300.	9.832	34.888	95.8	9.797	3550.	2.492	34.904	259.1	2.194
350.	9.071	34.793	89.0	9.033	3600.	2.458	34.902	259.6	2.155
400.	8.056	34.702	88.2	8.015	3650.	2.397	34.895	257.5	2.091
450.	7.189	34.627	112.5	7.146	3700.	2.385	34.894	258.1	2.074
500.	6.828	34.597	116.2	6.781	3750.	2.326	34.888	257.9	2.011
550.	6.308	34.550	124.8	6.259	3800.	2.186	34.875	256.0	1.869
600.	6.043	34.529	130.1	5.990	3850.	2.157	34.871	254.8	1.835
650.	5.609	34.500	137.9	5.553	3900.	2.085	34.863	253.7	1.759
700.	5.113	34.476	142.8	5.056	3950.	2.026	34.856	252.9	1.697
750.	4.892	34.477	147.7	4.831	4000.	1.895	34.841	251.7	1.564
800.	4.656	34.478	151.4	4.592	4050.	1.737	34.825	246.0	1.405
850.	4.522	34.499	151.6	4.456	4065.	1.716	34.823	245.1	1.383
900.	4.362	34.528	155.4	4.292					
950.	4.294	34.557	161.0	4.221					
1000.	4.268	34.613	164.7	4.190					
1050.	4.254	34.646	170.2	4.171					
1100.	4.270	34.677	174.7	4.184					
1150.	4.309	34.729	180.6	4.218					
1200.	4.333	34.761	184.6	4.237					
1250.	4.306	34.788	190.3	4.206					
1300.	4.311	34.843	198.3	4.206					
1350.	4.296	34.878	206.5	4.187					
1400.	4.279	34.907	214.7	4.165					
1450.	4.288	34.926	221.2	4.169					
1500.	4.248	34.943	227.5	4.125					
1550.	4.206	34.950	232.2	4.079					
1600.	4.113	34.953	235.8	3.982					
1650.	4.092	34.965	240.1	3.957					
1700.	4.047	34.970	243.7	3.907					
1750.	3.974	34.970	246.3	3.831					
1800.	3.925	34.971	248.4	3.778					
1850.	3.794	34.962	249.2	3.644					
1900.	3.687	34.957	248.3	3.533					
1950.	3.607	34.956	249.4	3.450					
2000.	3.526	34.954	251.2	3.366					
2050.	3.481	34.954	252.8	3.317					
2100.	3.419	34.951	254.1	3.251					
2150.	3.353	34.949	254.6	3.181					
2200.	3.272	34.942	253.8	3.097					
2250.	3.171	34.937	252.6	2.992					
2300.	3.092	34.930	251.1	2.910					
2350.	3.033	34.926	250.4	2.847					
2400.	2.963	34.921	248.8	2.773					
2450.	2.925	34.919	248.3	2.731					
2500.	2.904	34.916	248.1	2.706					
2550.	2.884	34.916	248.2	2.681					
2600.	2.865	34.915	248.2	2.658					
2650.	2.842	34.914	248.3	2.631					
2700.	2.804	34.912	248.2	2.588					
2750.	2.771	34.910	248.8	2.550					
2800.	2.734	34.908	248.7	2.509					



Station 58

Station : 59 Campagne : CITHER1
 Date : 17-01-93 Navire : L'ATALANTE
 Profondeur: 4568 m Organisme : IFREMER
 Position : S 4 29.84
 W 18 9.98

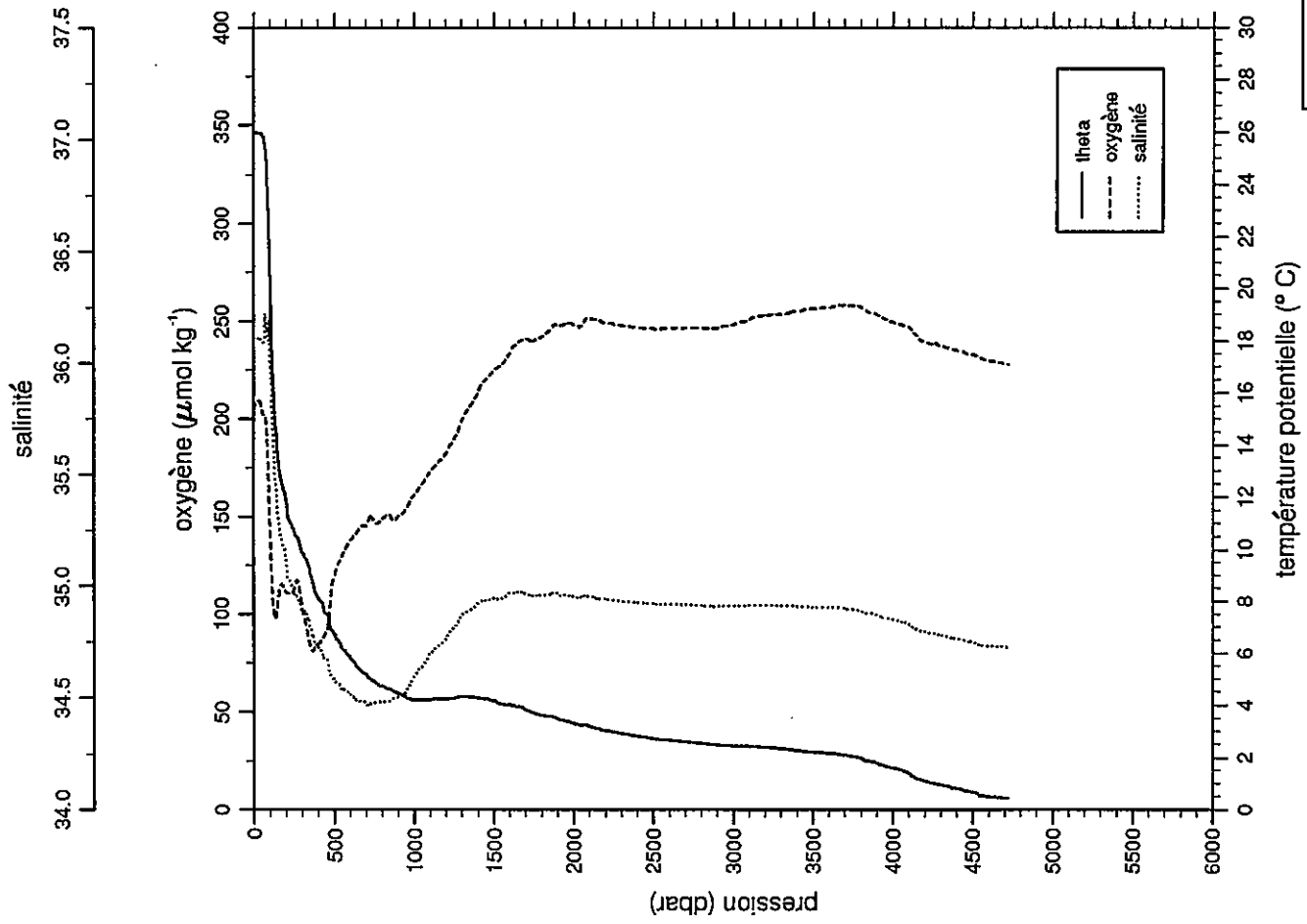
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.062	36.109	200.5	26.062	2850.	2.711	34.910	247.3	2.482
2.	26.061	36.109	200.4	26.061	2900.	2.687	34.908	247.5	2.454
3.	26.061	36.109	199.3	26.061	2950.	2.676	34.910	248.3	2.437
4.	26.062	36.109	198.8	26.061	3000.	2.660	34.909	248.9	2.417
5.	26.062	36.109	199.4	26.061	3050.	2.635	34.906	249.1	2.387
10.	26.063	36.109	202.3	26.061	3100.	2.628	34.909	249.7	2.375
20.	26.056	36.108	204.5	26.051	3150.	2.616	34.909	251.4	2.358
30.	26.032	36.106	203.4	26.025	3200.	2.601	34.909	252.2	2.338
40.	25.968	36.103	202.2	25.959	3250.	2.562	34.904	251.3	2.295
50.	25.906	36.096	201.6	25.895	3300.	2.548	34.903	251.4	2.276
100.	21.024	36.170	150.1	21.005	3350.	2.532	34.903	251.9	2.255
150.	12.968	35.258	117.3	12.948	3400.	2.523	34.904	253.0	2.240
200.	11.630	35.079	122.6	11.605	3450.	2.517	34.906	254.3	2.229
250.	10.604	34.963	120.6	10.574	3500.	2.495	34.904	255.7	2.203
300.	9.876	34.896	94.6	9.841	3550.	2.496	34.906	257.2	2.198
350.	9.038	34.806	92.4	9.000	3600.	2.459	34.903	257.6	2.157
400.	8.588	34.766	87.0	8.545	3650.	2.417	34.901	258.5	2.110
450.	7.708	34.681	90.8	7.662	3700.	2.380	34.897	258.6	2.069
500.	6.938	34.598	116.6	6.891	3750.	2.358	34.893	257.2	2.042
550.	6.304	34.544	130.5	6.255	3800.	2.334	34.890	256.4	2.013
600.	5.903	34.513	133.6	5.850	3850.	2.272	34.885	257.2	1.947
650.	5.612	34.501	136.0	5.557	3900.	2.219	34.879	256.4	1.890
700.	5.170	34.477	143.4	5.112	3950.	2.099	34.863	255.1	1.768
750.	4.933	34.476	145.9	4.873	4000.	1.983	34.854	251.4	1.650
800.	4.728	34.488	143.6	4.664	4050.	1.808	34.835	249.2	1.474
850.	4.516	34.507	147.8	4.449	4100.	1.585	34.811	244.8	1.252
900.	4.391	34.525	152.5	4.321	4150.	1.556	34.807	242.4	1.218
950.	4.320	34.566	157.2	4.246	4200.	1.422	34.793	240.4	1.082
1000.	4.281	34.607	162.3	4.203	4250.	1.381	34.788	239.4	1.037
1050.	4.271	34.648	169.1	4.188	4300.	1.243	34.773	237.9	0.898
1100.	4.314	34.698	174.5	4.227	4350.	1.193	34.767	236.9	0.843
1150.	4.343	34.742	180.0	4.251	4400.	1.144	34.762	235.3	0.791
1200.	4.349	34.788	186.7	4.253	4450.	0.991	34.746	233.4	0.637
1250.	4.312	34.819	193.3	4.211	4500.	0.960	34.742	232.3	0.601
1300.	4.368	34.863	201.8	4.262	4550.	0.922	34.737	231.5	0.559
1350.	4.346	34.886	207.3	4.236	4571.	0.910	34.736	230.6	0.545
1400.	4.345	34.925	215.5	4.230					
1450.	4.337	34.946	224.3	4.218					
1500.	4.299	34.961	229.4	4.176					
1550.	4.216	34.963	234.1	4.089					
1600.	4.139	34.959	234.9	4.008					
1650.	4.084	34.968	238.8	3.949					
1700.	4.061	34.972	242.0	3.922					
1750.	3.971	34.967	243.3	3.828					
1800.	3.818	34.957	242.3	3.672					
1850.	3.765	34.957	243.9	3.615					
1900.	3.696	34.961	246.6	3.543					
1950.	3.638	34.964	250.2	3.480					
2000.	3.574	34.962	251.6	3.413					
2050.	3.470	34.957	251.8	3.305					
2100.	3.371	34.951	250.4	3.203					
2150.	3.324	34.948	251.7	3.153					
2200.	3.212	34.940	250.5	3.038					
2250.	3.155	34.936	248.7	2.977					
2300.	3.108	34.933	249.1	2.925					
2350.	3.054	34.929	248.7	2.867					
2400.	2.994	34.927	248.6	2.804					
2450.	2.931	34.921	247.2	2.737					
2500.	2.891	34.918	247.5	2.693					
2550.	2.856	34.916	247.0	2.654					
2600.	2.822	34.915	247.0	2.616					
2650.	2.791	34.915	247.3	2.580					
2700.	2.765	34.913	247.4	2.550					
2750.	2.747	34.912	247.4	2.528					
2800.	2.729	34.911	247.1	2.505					



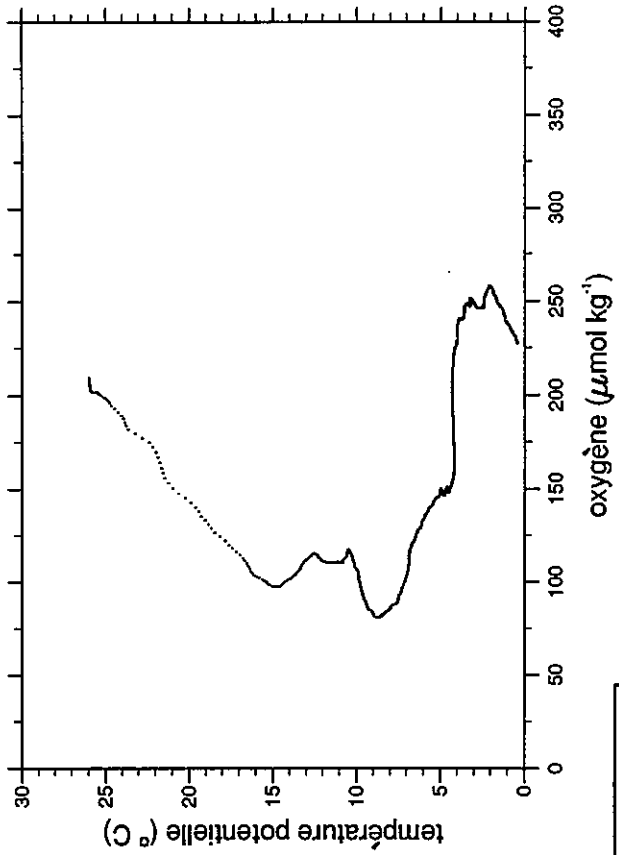
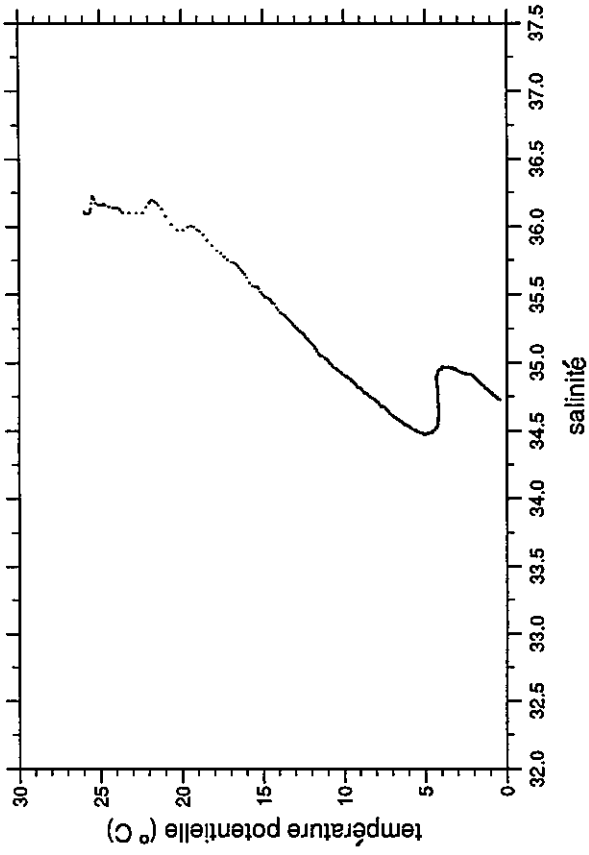
Station 59

Station : 60	Campagne : CITHER1
Date : 17-01-93	Navire : L'ATALANTE
Profondeur: 4676 m	Organisme : IFREMER
Position : S 4 29.87	
W 18 50.05	

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.980	36.110	207.4	25.980	2850.	2.732	34.910	246.4	2.502
2.	25.978	36.110	207.0	25.978	2900.	2.697	34.910	246.4	2.463
3.	25.979	36.110	206.4	25.978	2950.	2.690	34.910	247.7	2.451
4.	25.979	36.109	206.8	25.978	3000.	2.674	34.911	248.1	2.430
5.	25.979	36.109	206.9	25.978	3050.	2.664	34.911	249.5	2.415
10.	25.980	36.109	207.4	25.978	3100.	2.664	34.914	250.8	2.410
20.	25.976	36.107	208.3	25.972	3150.	2.648	34.913	252.3	2.389
30.	25.982	36.109	209.2	25.975	3200.	2.645	34.914	252.9	2.381
40.	25.963	36.106	208.1	25.954	3250.	2.630	34.914	253.5	2.361
50.	25.919	36.097	204.3	25.908	3300.	2.608	34.912	253.3	2.335
100.	20.263	35.970	145.3	20.245	3350.	2.580	34.912	254.3	2.302
150.	13.540	35.320	105.5	13.519	3400.	2.541	34.910	254.9	2.259
200.	11.922	35.121	111.0	11.896	3450.	2.512	34.908	256.0	2.225
250.	10.772	34.978	112.5	10.742	3500.	2.492	34.906	256.3	2.199
300.	9.911	34.896	104.1	9.876	3550.	2.472	34.905	256.8	2.175
350.	9.089	34.816	83.8	9.051	3600.	2.458	34.904	257.1	2.156
400.	8.143	34.725	84.6	8.102	3650.	2.452	34.905	257.9	2.145
450.	7.552	34.670	90.8	7.508	3700.	2.402	34.900	258.2	2.090
500.	6.760	34.584	119.3	6.713	3750.	2.364	34.896	257.8	2.047
550.	6.212	34.539	129.7	6.163	3800.	2.298	34.889	257.1	1.978
600.	5.853	34.512	137.2	5.801	3850.	2.178	34.877	254.3	1.856
650.	5.477	34.489	142.8	5.422	3900.	2.115	34.869	253.3	1.788
700.	5.224	34.480	145.1	5.166	3950.	2.005	34.857	251.0	1.676
750.	4.965	34.475	147.9	4.904	4000.	1.934	34.849	249.1	1.602
800.	4.784	34.480	148.7	4.720	4050.	1.852	34.840	248.0	1.517
850.	4.667	34.488	150.8	4.599	4100.	1.732	34.826	246.7	1.395
900.	4.498	34.503	150.0	4.427	4150.	1.534	34.805	242.3	1.197
950.	4.370	34.526	153.8	4.296	4200.	1.441	34.795	239.1	1.101
1000.	4.280	34.591	160.7	4.202	4250.	1.368	34.786	238.1	1.025
1050.	4.271	34.633	166.4	4.188	4300.	1.301	34.779	237.1	0.954
1100.	4.291	34.694	172.5	4.204	4350.	1.241	34.773	236.1	0.891
1150.	4.315	34.729	177.5	4.224	4400.	1.160	34.763	234.8	0.807
1200.	4.310	34.762	182.2	4.214	4450.	1.076	34.754	233.8	0.719
1250.	4.360	34.813	189.5	4.259	4500.	1.025	34.748	232.6	0.665
1300.	4.426	34.869	199.0	4.320	4550.	0.897	34.735	231.1	0.535
1350.	4.420	34.894	206.3	4.309	4600.	0.864	34.732	229.5	0.497
1400.	4.374	34.925	213.5	4.259	4650.	0.844	34.729	228.9	0.472
1450.	4.344	34.937	220.4	4.225	4700.	0.818	34.725	227.6	0.441
1500.	4.294	34.946	224.6	4.170	4719.	0.820	34.725	227.5	0.441
1550.	4.162	34.945	227.7	4.035					
1600.	4.145	34.967	233.9	4.014					
1650.	4.089	34.971	238.9	3.954					
1700.	3.978	34.966	241.0	3.840					
1750.	3.871	34.957	240.0	3.729					
1800.	3.770	34.957	242.1	3.625					
1850.	3.737	34.963	245.7	3.587					
1900.	3.651	34.963	248.6	3.498					
1950.	3.558	34.959	248.8	3.402					
2000.	3.471	34.951	248.4	3.312					
2050.	3.394	34.948	247.9	3.231					
2100.	3.363	34.952	251.6	3.195					
2150.	3.284	34.946	250.5	3.113					
2200.	3.212	34.941	249.2	3.038					
2250.	3.152	34.935	248.6	2.974					
2300.	3.099	34.932	247.8	2.917					
2350.	3.062	34.930	247.2	2.875					
2400.	3.013	34.927	246.6	2.822					
2450.	2.967	34.923	246.4	2.773					
2500.	2.917	34.920	246.3	2.719					
2550.	2.885	34.921	246.2	2.682					
2600.	2.862	34.919	246.3	2.655					
2650.	2.838	34.918	246.7	2.627					
2700.	2.810	34.917	246.6	2.594					
2750.	2.781	34.914	246.6	2.560					
2800.	2.758	34.913	246.5	2.533					

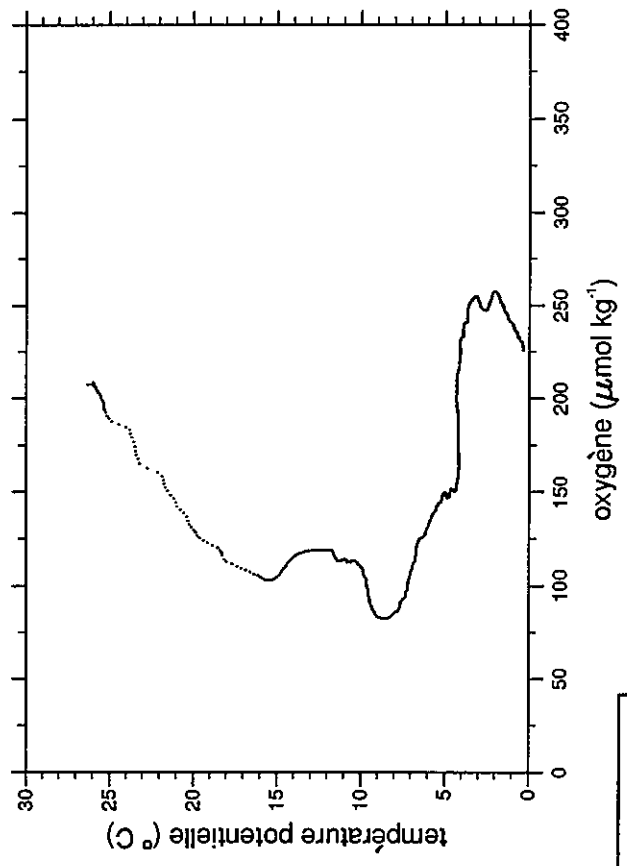
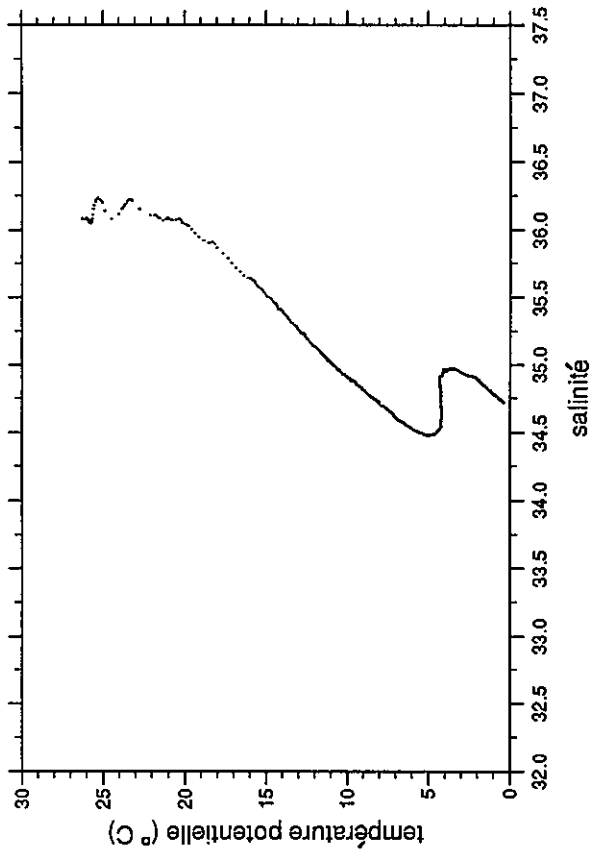
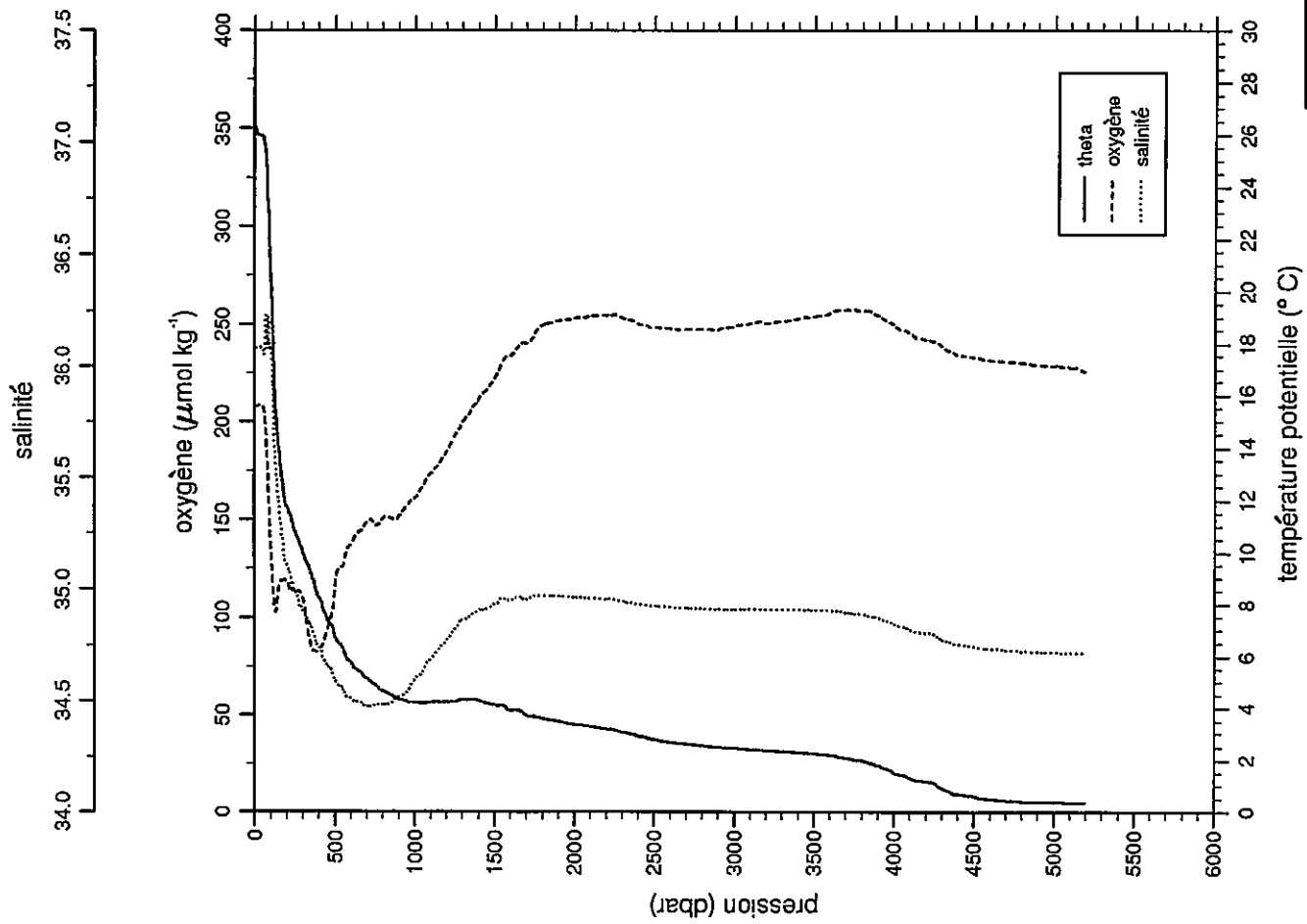


Station 60



Station : 61 Campagne : CITHR1
 Date : 17-01-93 Navire : L'ATALANTE
 Profondeur: 5158 m Organisme : IFREMER
 Position : S 4 29.93
 W 19 30.01

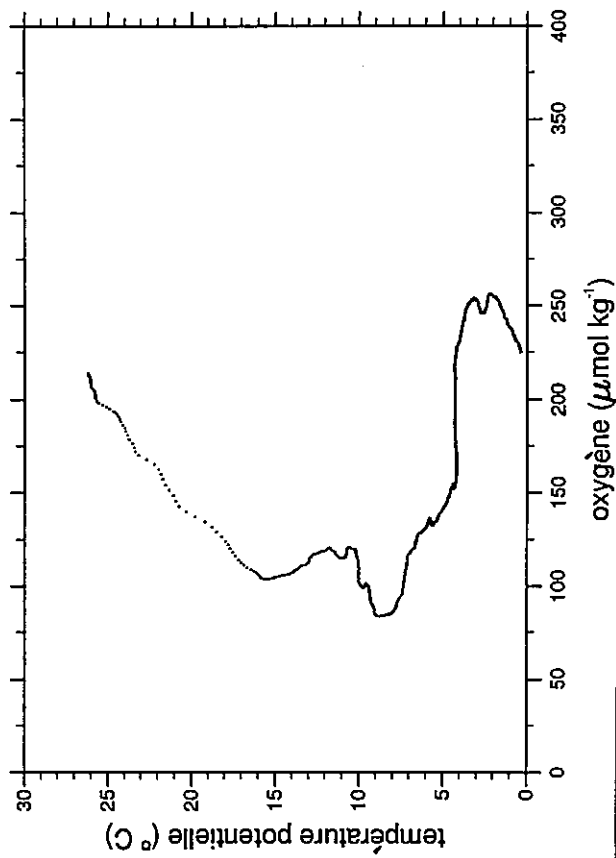
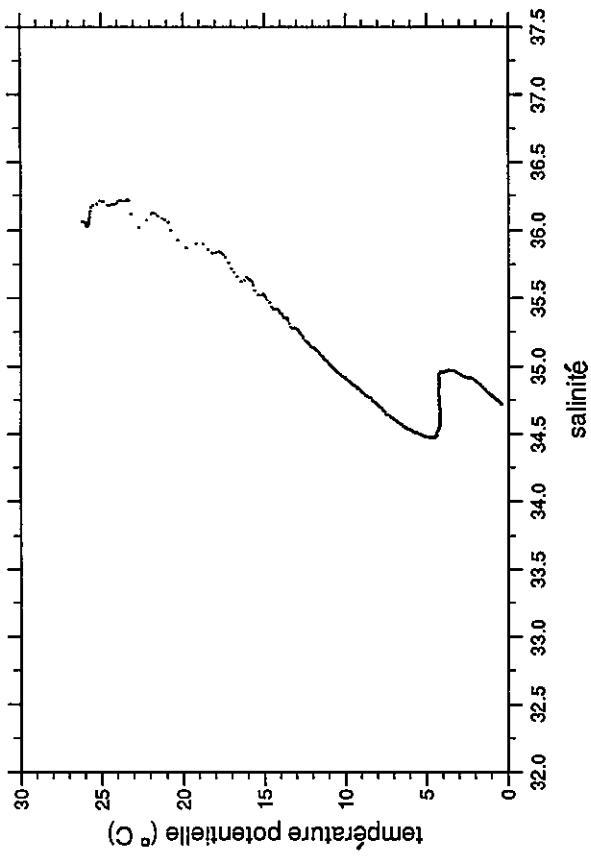
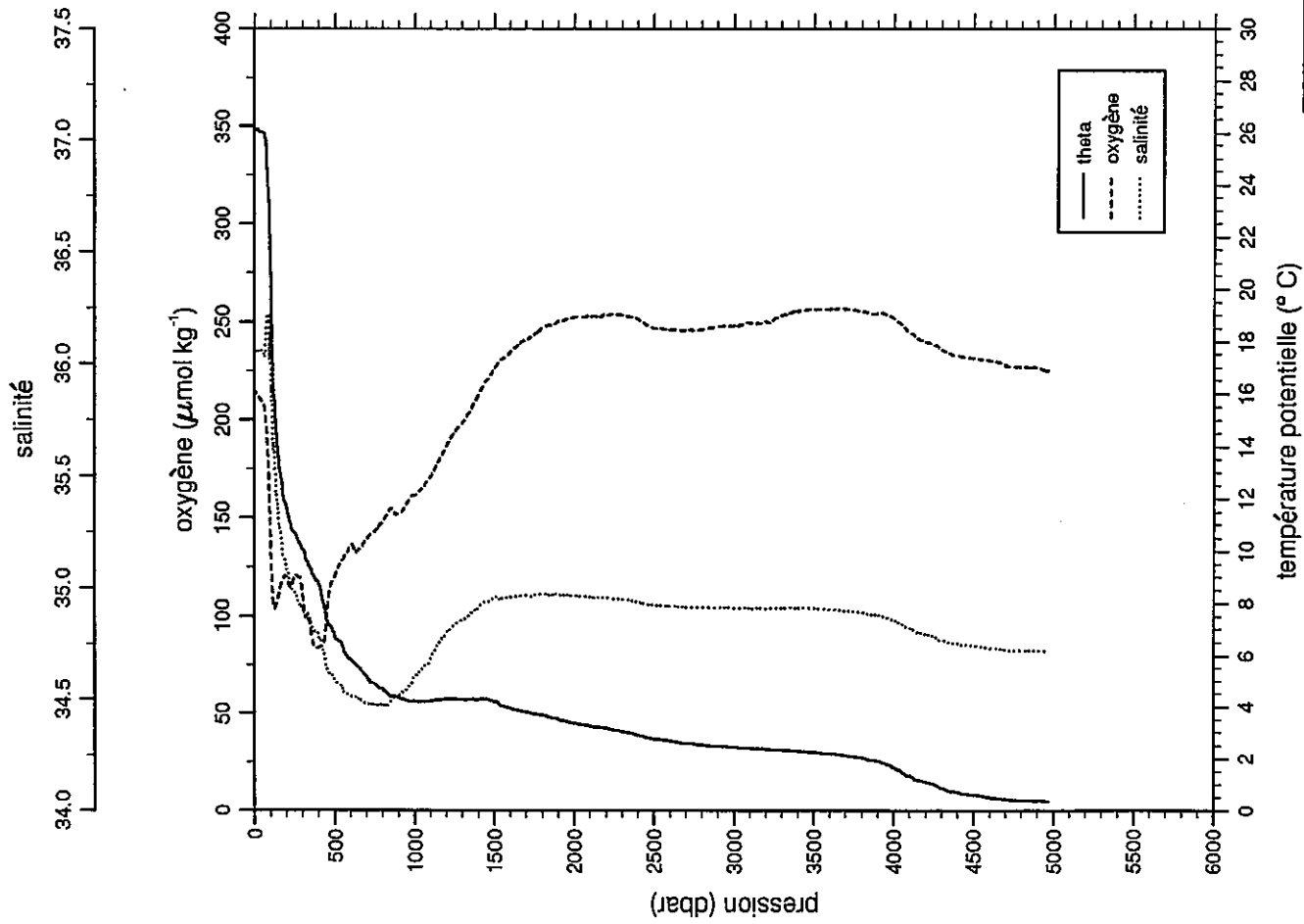
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.198	36.081	207.5	26.198	2850.	2.770	34.914	247.2	2.540
2.	26.198	36.081	207.4	26.197	2900.	2.752	34.912	247.2	2.517
3.	26.299	36.087	207.6	26.298	2950.	2.746	34.913	248.2	2.506
4.	26.304	36.086	207.5	26.303	3000.	2.725	34.913	248.6	2.481
5.	26.297	36.085	207.5	26.295	3050.	2.696	34.913	249.7	2.447
10.	26.140	36.075	207.4	26.138	3100.	2.686	34.913	250.5	2.431
20.	26.020	36.085	207.9	26.015	3150.	2.673	34.913	251.3	2.414
30.	25.994	36.084	208.4	25.987	3200.	2.648	34.911	250.4	2.384
40.	25.985	36.084	208.4	25.976	3250.	2.635	34.911	251.1	2.366
50.	25.960	36.078	207.6	25.949	3300.	2.625	34.911	251.7	2.351
100.	20.573	36.076	138.6	20.554	3350.	2.619	34.911	252.2	2.340
150.	14.128	35.411	114.6	14.107	3400.	2.591	34.911	253.1	2.307
200.	11.767	35.107	118.7	11.742	3450.	2.574	34.909	253.9	2.285
250.	10.835	34.992	113.2	10.805	3500.	2.563	34.909	254.1	2.269
300.	10.034	34.908	110.1	9.999	3550.	2.537	34.908	254.9	2.238
350.	9.227	34.836	86.4	9.188	3600.	2.502	34.907	256.2	2.199
400.	8.313	34.743	83.2	8.272	3650.	2.454	34.902	257.2	2.146
450.	7.575	34.666	92.4	7.530	3700.	2.390	34.899	257.3	2.079
500.	6.814	34.586	113.5	6.768	3750.	2.335	34.894	257.5	2.020
550.	6.361	34.553	126.0	6.311	3800.	2.307	34.891	256.9	1.986
600.	5.826	34.510	137.0	5.774	3850.	2.215	34.882	256.7	1.891
650.	5.492	34.489	143.2	5.437	3900.	2.129	34.873	254.7	1.802
700.	5.192	34.476	148.4	5.134	3950.	2.026	34.860	251.9	1.697
750.	4.986	34.479	147.6	4.925	4000.	1.854	34.842	249.4	1.524
800.	4.746	34.482	150.3	4.682	4050.	1.792	34.834	246.8	1.458
850.	4.601	34.492	150.9	4.534	4100.	1.658	34.818	245.3	1.323
900.	4.422	34.523	151.3	4.351	4150.	1.578	34.812	242.8	1.239
950.	4.333	34.538	156.5	4.259	4200.	1.524	34.805	242.0	1.181
1000.	4.300	34.592	160.8	4.221	4250.	1.480	34.800	241.3	1.133
1050.	4.268	34.635	166.4	4.185	4300.	1.262	34.774	238.5	0.916
1100.	4.305	34.690	173.3	4.218	4350.	1.144	34.763	235.9	0.797
1150.	4.318	34.728	178.0	4.227	4400.	1.061	34.755	233.8	0.710
1200.	4.331	34.778	184.7	4.235	4450.	1.016	34.748	233.4	0.661
1250.	4.351	34.820	192.6	4.250	4500.	0.980	34.745	232.8	0.621
1300.	4.441	34.866	199.8	4.335	4550.	0.916	34.738	231.9	0.553
1350.	4.440	34.891	205.1	4.329	4600.	0.879	34.733	231.2	0.512
1400.	4.405	34.911	211.5	4.290	4650.	0.864	34.731	231.0	0.492
1450.	4.289	34.918	216.4	4.170	4700.	0.846	34.728	230.7	0.468
1500.	4.252	34.938	222.2	4.129	4750.	0.835	34.726	230.5	0.452
1550.	4.230	34.961	231.0	4.103	4800.	0.811	34.723	230.1	0.423
1600.	4.038	34.952	233.6	3.908	4850.	0.807	34.722	229.6	0.414
1650.	4.033	34.968	239.0	3.898	4900.	0.802	34.720	229.1	0.403
1700.	3.865	34.960	240.5	3.728	4950.	0.793	34.718	228.9	0.388
1750.	3.836	34.972	245.2	3.695	5000.	0.795	34.718	228.5	0.384
1800.	3.754	34.974	249.5	3.609	5050.	0.794	34.717	228.1	0.378
1850.	3.706	34.971	250.9	3.557	5100.	0.798	34.717	227.7	0.375
1900.	3.661	34.970	252.0	3.508	5150.	0.803	34.717	227.9	0.374
1950.	3.588	34.967	252.7	3.431	5190.	0.806	34.716	225.5	0.373
2000.	3.540	34.966	253.3	3.379					
2050.	3.504	34.964	254.0	3.339					
2100.	3.469	34.963	254.5	3.300					
2150.	3.410	34.960	254.8	3.237					
2200.	3.364	34.958	254.8	3.187					
2250.	3.335	34.956	255.3	3.154					
2300.	3.244	34.947	253.5	3.060					
2350.	3.186	34.942	252.2	2.998					
2400.	3.109	34.935	250.2	2.917					
2450.	3.065	34.931	249.0	2.869					
2500.	3.000	34.928	248.1	2.800					
2550.	2.943	34.925	247.9	2.740					
2600.	2.911	34.922	247.8	2.703					
2650.	2.880	34.920	247.1	2.667					
2700.	2.853	34.918	247.3	2.636					
2750.	2.834	34.916	247.3	2.613					
2800.	2.804	34.915	247.3	2.578					



Station 61

Station : 62 Campagne : CITHER1
 Date : 17-01-93 Navire : L'ATALANTE
 Profondeur: 4921 m Organisme : IFREMER
 Position : S 4 29.93
 W 20 9.79

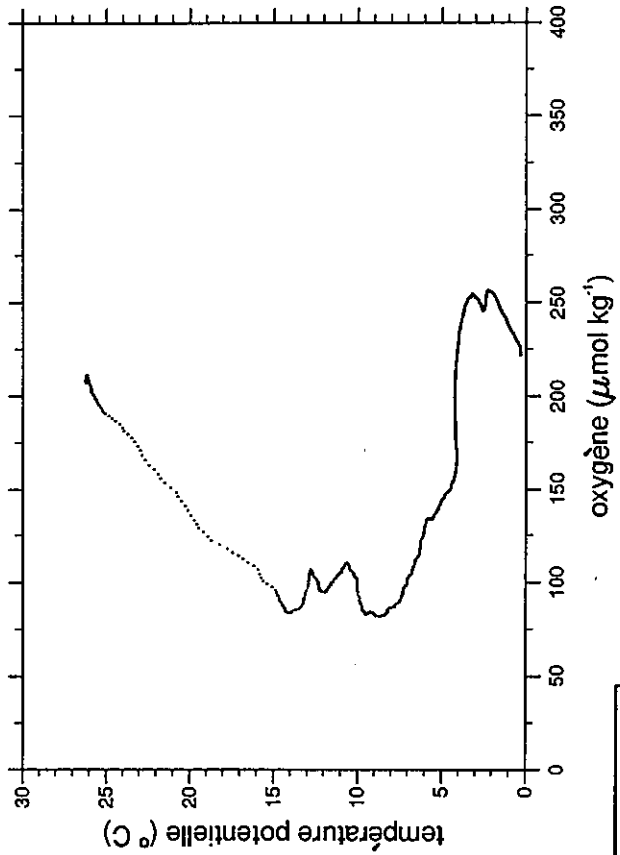
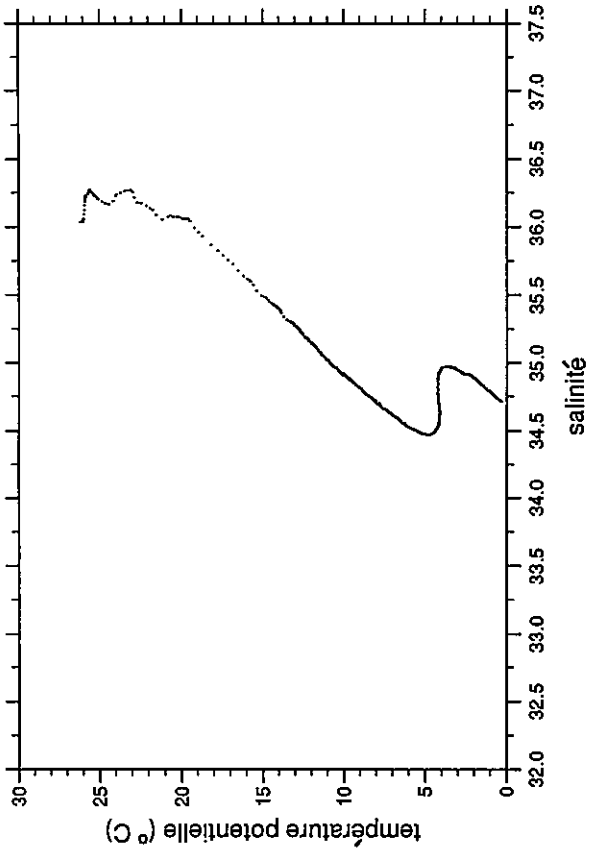
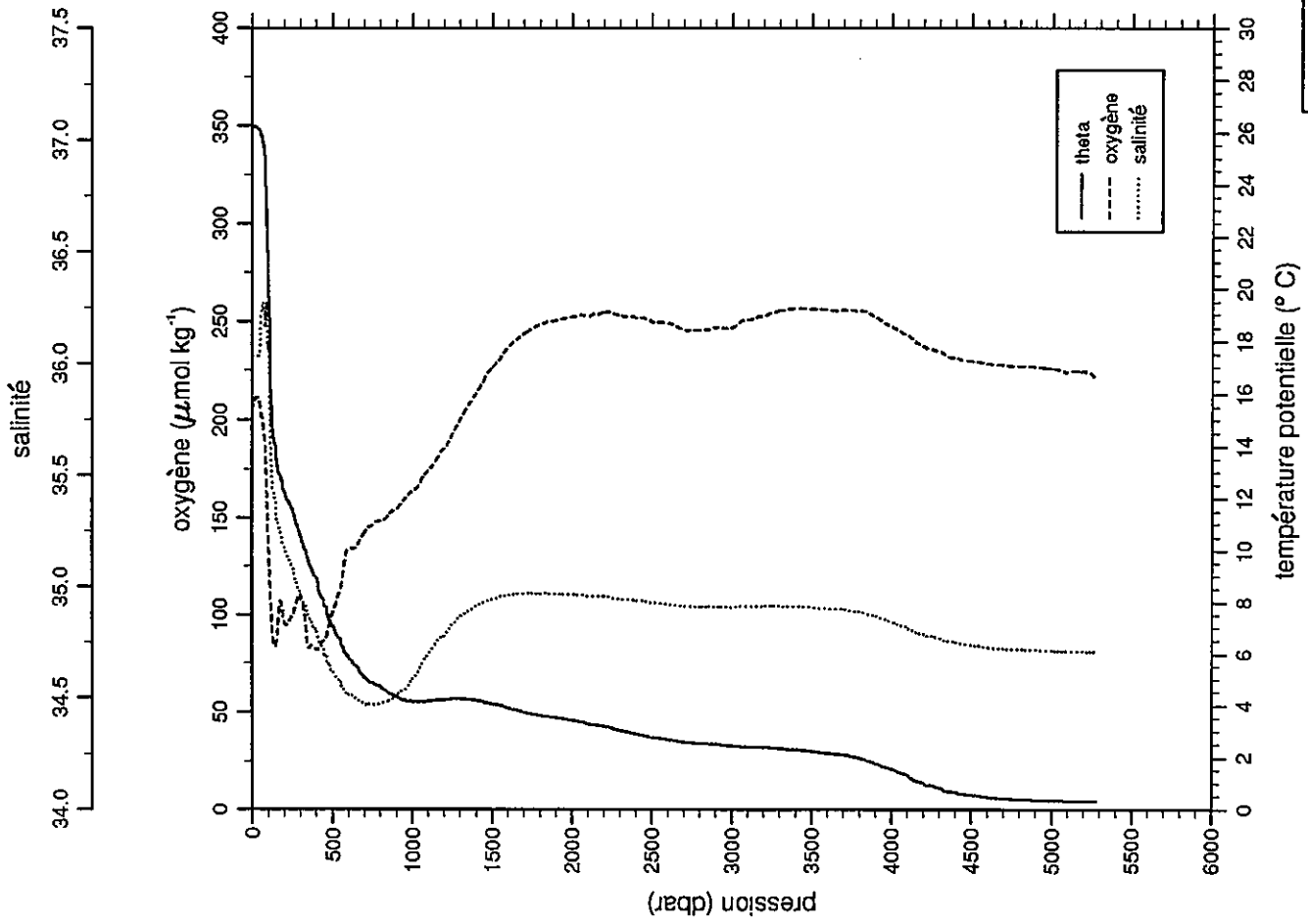
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.170	36.057	214.1	26.170	2850.	2.733	34.914	247.0	2.503
2.	26.181	36.057	213.4	26.180	2900.	2.723	34.913	247.4	2.489
3.	26.179	36.057	213.8	26.179	2950.	2.716	34.912	247.8	2.476
4.	26.178	36.057	214.1	26.177	3000.	2.688	34.911	247.9	2.444
5.	26.176	36.057	214.2	26.175	3050.	2.681	34.911	248.5	2.432
10.	26.162	36.057	213.7	26.159	3100.	2.670	34.911	249.6	2.416
20.	26.124	36.057	212.5	26.120	3150.	2.650	34.909	249.1	2.391
30.	26.060	36.058	211.1	26.053	3200.	2.630	34.908	250.0	2.367
40.	26.048	36.058	209.9	26.039	3250.	2.630	34.911	251.4	2.361
50.	26.030	36.053	208.8	26.019	3300.	2.611	34.913	253.3	2.337
100.	20.316	35.921	139.7	20.297	3350.	2.596	34.913	254.6	2.317
150.	13.571	35.338	110.4	13.550	3400.	2.579	34.912	255.5	2.295
200.	11.681	35.100	119.5	11.655	3450.	2.565	34.911	256.0	2.276
250.	10.735	34.983	120.2	10.704	3500.	2.548	34.910	256.3	2.254
300.	10.059	34.917	110.6	10.024	3550.	2.515	34.907	256.2	2.216
350.	9.366	34.846	94.2	9.326	3600.	2.497	34.906	256.3	2.194
400.	8.797	34.782	83.8	8.754	3650.	2.472	34.903	256.4	2.164
450.	7.399	34.638	98.4	7.355	3700.	2.436	34.900	256.4	2.123
500.	6.791	34.581	119.9	6.744	3750.	2.396	34.898	256.2	2.079
550.	6.380	34.546	128.7	6.330	3800.	2.353	34.890	255.6	2.031
600.	5.887	34.515	135.8	5.835	3850.	2.274	34.883	254.5	1.949
650.	5.598	34.502	133.5	5.543	3900.	2.237	34.882	254.5	1.907
700.	5.204	34.482	139.1	5.146	3950.	2.127	34.870	253.9	1.795
750.	4.938	34.476	143.1	4.877	4000.	1.986	34.855	251.8	1.652
800.	4.762	34.477	147.4	4.698	4050.	1.842	34.838	248.5	1.507
850.	4.455	34.487	154.7	4.388	4100.	1.686	34.822	244.5	1.350
900.	4.420	34.516	152.2	4.349	4150.	1.525	34.805	241.4	1.188
950.	4.318	34.544	157.0	4.244	4200.	1.448	34.796	239.5	1.108
1000.	4.289	34.600	161.1	4.211	4250.	1.368	34.787	238.2	1.025
1050.	4.283	34.641	165.3	4.201	4300.	1.209	34.770	235.7	0.865
1100.	4.291	34.685	170.9	4.204	4350.	1.097	34.757	233.7	0.751
1150.	4.352	34.756	178.6	4.261	4400.	1.049	34.752	232.5	0.699
1200.	4.399	34.806	186.6	4.302	4450.	1.001	34.746	231.7	0.646
1250.	4.384	34.838	193.6	4.283	4500.	0.969	34.743	231.0	0.610
1300.	4.380	34.857	198.6	4.274	4550.	0.939	34.739	230.6	0.575
1350.	4.375	34.884	204.8	4.265	4600.	0.881	34.732	230.0	0.514
1400.	4.393	34.921	212.7	4.278	4650.	0.855	34.728	229.2	0.483
1450.	4.407	34.939	220.1	4.286	4700.	0.821	34.724	227.7	0.444
1500.	4.326	34.954	226.2	4.202	4750.	0.796	34.721	226.8	0.415
1550.	4.151	34.955	230.9	4.025	4800.	0.790	34.721	226.8	0.403
1600.	4.071	34.961	234.3	3.941	4850.	0.792	34.720	226.7	0.399
1650.	4.002	34.966	238.3	3.868	4900.	0.782	34.718	226.5	0.384
1700.	3.940	34.966	241.0	3.802	4950.	0.780	34.718	225.1	0.376
1750.	3.865	34.968	243.8	3.723	4967.	0.777	34.717	225.2	0.371
1800.	3.824	34.973	247.2	3.678					
1850.	3.742	34.970	248.4	3.593					
1900.	3.677	34.970	250.4	3.524					
1950.	3.603	34.968	251.3	3.446					
2000.	3.521	34.965	252.3	3.361					
2050.	3.475	34.962	252.4	3.310					
2100.	3.440	34.960	253.2	3.271					
2150.	3.398	34.958	252.5	3.225					
2200.	3.370	34.957	254.0	3.193					
2250.	3.295	34.953	253.5	3.114					
2300.	3.217	34.946	253.3	3.033					
2350.	3.179	34.944	252.5	2.991					
2400.	3.086	34.935	251.2	2.894					
2450.	3.009	34.929	248.4	2.814					
2500.	2.948	34.925	246.8	2.749					
2550.	2.935	34.923	246.3	2.731					
2600.	2.886	34.919	246.0	2.678					
2650.	2.845	34.917	245.8	2.633					
2700.	2.808	34.915	245.8	2.592					
2750.	2.789	34.913	245.8	2.569					
2800.	2.767	34.913	246.2	2.542					



Station 62

Station	: 63	Campagne	: CITHER1
Date	: 18-01-93	Navire	: L'ATALANTE
Profondeur:	5253 m	Organisme	: IFREMER
Position	: S 4 29.85		
	W 20 50.08		

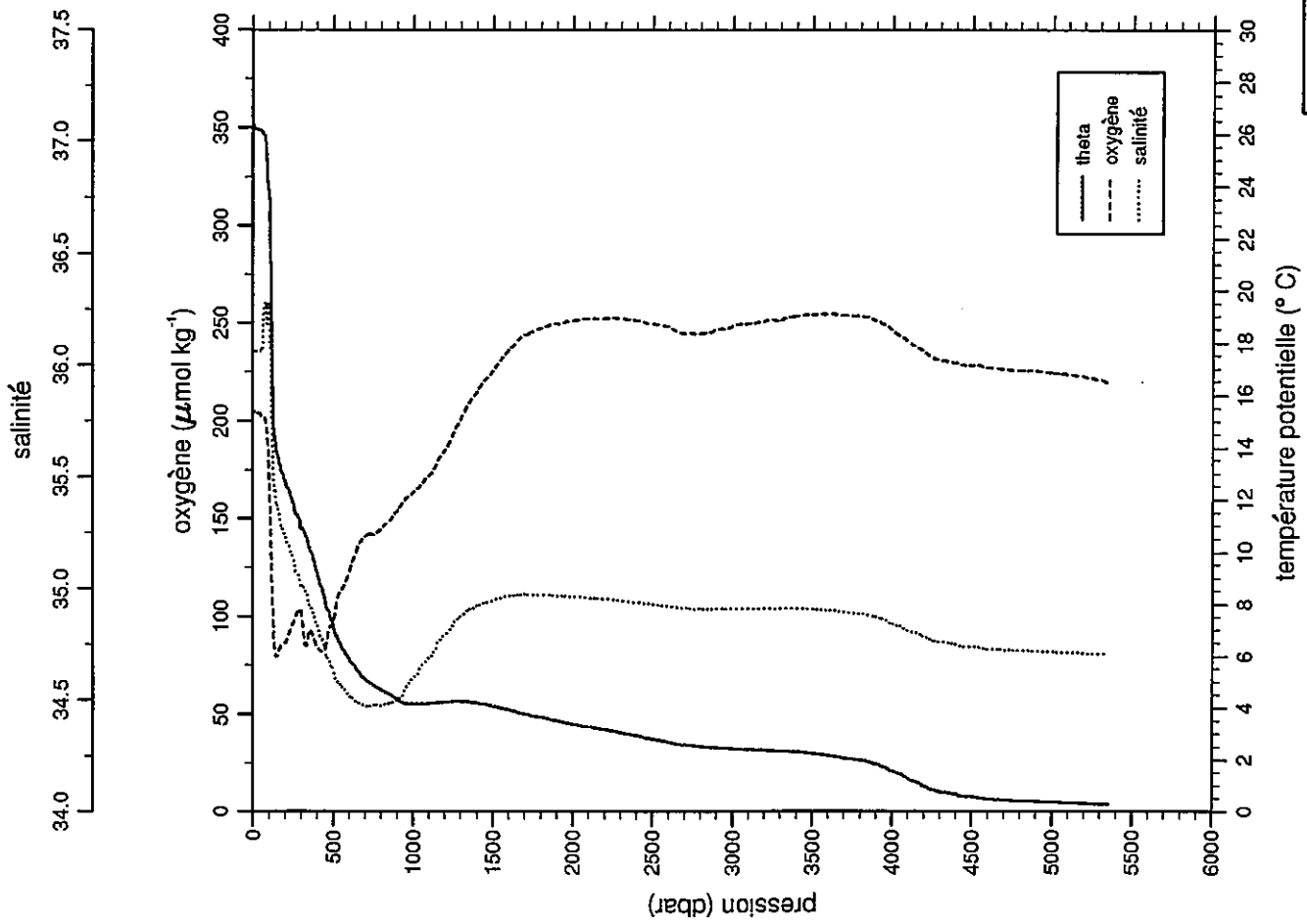
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.226	36.034	208.0	26.226	2850.	2.756	34.913	245.8	2.526
2.	26.214	36.034	208.5	26.214	2900.	2.747	34.914	247.0	2.512
3.	26.221	36.034	207.1	26.220	2950.	2.709	34.911	246.7	2.469
4.	26.223	36.034	206.9	26.222	3000.	2.684	34.910	247.1	2.441
5.	26.227	36.035	207.4	26.226	3050.	2.664	34.913	249.8	2.416
10.	26.228	36.034	209.0	26.226	3100.	2.656	34.913	250.8	2.402
20.	26.205	36.034	210.9	26.201	3150.	2.658	34.915	251.8	2.399
30.	26.156	36.033	211.3	26.149	3200.	2.645	34.915	252.4	2.381
40.	26.117	36.034	210.2	26.108	3250.	2.630	34.916	254.3	2.361
50.	25.979	36.093	206.3	25.968	3300.	2.618	34.916	255.6	2.345
100.	20.299	36.077	140.9	20.280	3350.	2.594	34.914	256.2	2.316
150.	13.750	35.339	85.1	13.728	3400.	2.578	34.914	256.7	2.295
200.	12.273	35.178	95.9	12.246	3450.	2.555	34.912	256.6	2.266
250.	11.625	35.099	99.4	11.593	3500.	2.529	34.909	256.4	2.236
300.	10.598	34.966	109.9	10.562	3550.	2.494	34.906	256.4	2.196
350.	9.622	34.874	83.4	9.582	3600.	2.461	34.903	255.9	2.158
400.	8.975	34.807	81.9	8.931	3650.	2.438	34.901	255.4	2.131
450.	7.897	34.700	86.8	7.851	3700.	2.430	34.901	255.9	2.117
500.	7.102	34.624	100.5	7.054	3750.	2.360	34.894	255.8	2.043
550.	6.588	34.575	112.2	6.538	3800.	2.320	34.891	255.4	1.999
600.	5.941	34.517	133.9	5.889	3850.	2.213	34.879	254.5	1.890
650.	5.545	34.496	135.2	5.489	3900.	2.110	34.868	252.1	1.784
700.	5.138	34.475	142.0	5.080	3950.	1.991	34.855	249.5	1.663
750.	4.921	34.470	145.9	4.860	4000.	1.903	34.845	247.4	1.572
800.	4.764	34.473	148.3	4.700	4050.	1.766	34.830	245.1	1.433
850.	4.531	34.484	151.2	4.464	4100.	1.652	34.818	243.1	1.316
900.	4.392	34.511	154.1	4.322	4150.	1.439	34.796	239.3	1.105
950.	4.269	34.535	159.3	4.195	4200.	1.349	34.786	237.2	1.012
1000.	4.212	34.579	163.5	4.134	4250.	1.280	34.777	235.6	0.939
1050.	4.202	34.641	168.1	4.121	4300.	1.196	34.769	234.5	0.852
1100.	4.247	34.701	174.3	4.160	4350.	1.059	34.754	232.4	0.714
1150.	4.282	34.748	179.6	4.191	4400.	1.029	34.751	231.6	0.680
1200.	4.302	34.777	185.2	4.206	4450.	0.964	34.743	230.6	0.611
1250.	4.338	34.832	192.6	4.237	4500.	0.930	34.739	230.0	0.572
1300.	4.339	34.867	200.6	4.234	4550.	0.890	34.734	229.3	0.528
1350.	4.330	34.892	207.4	4.220	4600.	0.842	34.729	228.6	0.476
1400.	4.291	34.915	213.9	4.177	4650.	0.806	34.724	228.1	0.435
1450.	4.227	34.936	220.6	4.109	4700.	0.795	34.723	227.8	0.419
1500.	4.179	34.944	226.4	4.056	4750.	0.787	34.721	227.3	0.406
1550.	4.137	34.959	231.3	4.011	4800.	0.781	34.720	227.2	0.394
1600.	4.040	34.964	236.8	3.910	4850.	0.776	34.719	227.1	0.383
1650.	3.969	34.969	240.6	3.835	4900.	0.770	34.718	226.7	0.372
1700.	3.879	34.970	244.0	3.742	4950.	0.763	34.716	226.4	0.360
1750.	3.812	34.972	246.6	3.671	5000.	0.753	34.715	225.9	0.344
1800.	3.765	34.971	248.5	3.620	5050.	0.748	34.714	225.4	0.333
1850.	3.709	34.970	249.9	3.560	5100.	0.747	34.714	224.1	0.326
1900.	3.674	34.969	250.3	3.521	5150.	0.748	34.713	224.8	0.321
1950.	3.623	34.967	251.6	3.466	5200.	0.746	34.712	224.3	0.314
2000.	3.579	34.966	252.2	3.417	5250.	0.748	34.712	223.0	0.310
2050.	3.529	34.964	253.2	3.364	5279.	0.753	34.712	221.9	0.310
2100.	3.460	34.960	252.6	3.291					
2150.	3.414	34.958	253.3	3.241					
2200.	3.380	34.959	254.7	3.202					
2250.	3.317	34.953	254.4	3.136					
2300.	3.237	34.947	252.9	3.053					
2350.	3.174	34.944	252.7	2.986					
2400.	3.119	34.940	252.0	2.927					
2450.	3.049	34.936	251.6	2.853					
2500.	2.978	34.928	249.9	2.779					
2550.	2.958	34.928	249.9	2.754					
2600.	2.912	34.925	249.4	2.704					
2650.	2.858	34.918	247.7	2.646					
2700.	2.815	34.915	246.0	2.599					
2750.	2.784	34.914	245.8	2.564					
2800.	2.769	34.912	245.8	2.544					



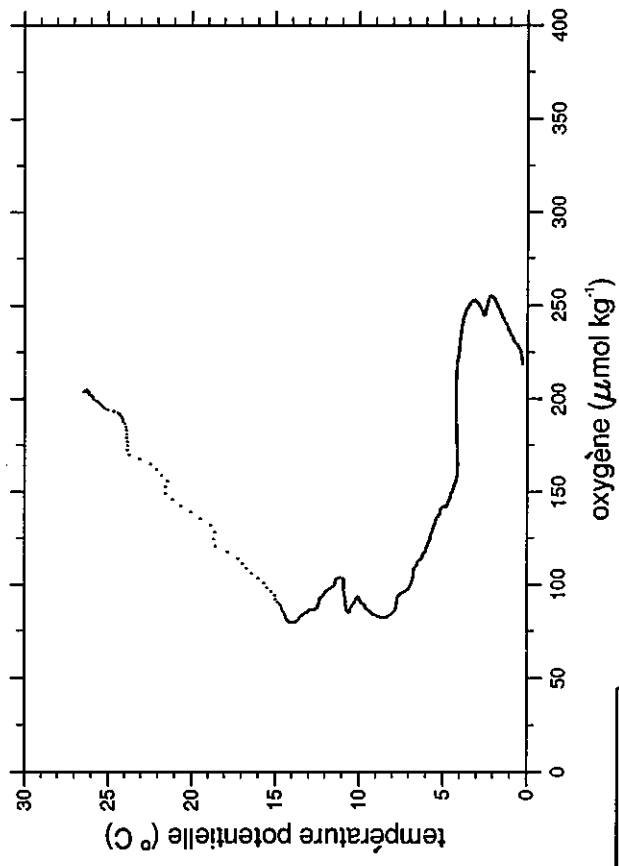
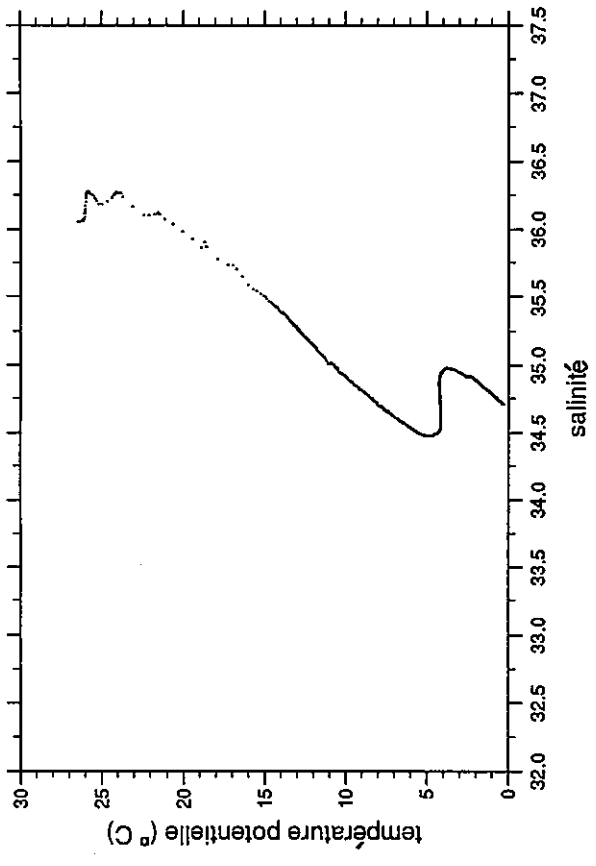
Station 63

Station : 64 Campagne : CITHERI
 Date : 18-01-93 Navire : L'ATALANTE
 Profondeur: 5344 m Organisme : IFREMER
 Position : S 4 30.01
 W 21 30.04

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.304	36.057	204.7	26.304	2850.	2.717	34.911	245.1	2.488
2.	26.431	36.057	203.6	26.430	2900.	2.704	34.913	246.6	2.470
3.	26.402	36.054	203.9	26.402	2950.	2.686	34.913	247.1	2.447
4.	26.370	36.053	204.2	26.369	3000.	2.681	34.914	248.5	2.437
5.	26.336	36.057	204.5	26.334	3050.	2.667	34.914	249.6	2.418
10.	26.234	36.059	204.8	26.232	3100.	2.654	34.914	249.8	2.401
20.	26.195	36.060	204.4	26.190	3150.	2.640	34.914	250.2	2.382
30.	26.186	36.060	203.9	26.179	3200.	2.629	34.914	251.1	2.365
40.	26.172	36.061	203.9	26.163	3250.	2.614	34.914	251.7	2.346
50.	26.145	36.064	202.9	26.134	3300.	2.606	34.913	251.3	2.332
100.	23.870	36.267	177.0	23.849	3350.	2.597	34.914	252.9	2.318
150.	13.804	35.374	79.8	13.782	3400.	2.581	34.913	253.5	2.297
200.	12.738	35.236	86.2	12.711	3450.	2.557	34.912	254.2	2.269
250.	11.921	35.132	96.7	11.888	3500.	2.528	34.910	254.3	2.235
300.	10.930	35.015	102.2	10.893	3550.	2.502	34.908	254.7	2.204
350.	10.190	34.929	92.1	10.149	3600.	2.465	34.905	254.6	2.162
400.	9.249	34.836	84.4	9.204	3650.	2.429	34.902	254.5	2.122
450.	8.189	34.727	83.5	8.142	3700.	2.365	34.896	254.2	2.054
500.	7.221	34.632	96.6	7.173	3750.	2.344	34.894	253.9	2.028
550.	6.409	34.561	113.3	6.359	3800.	2.294	34.888	253.5	1.974
600.	5.897	34.520	122.7	5.844	3850.	2.236	34.882	252.9	1.912
650.	5.497	34.492	134.4	5.442	3900.	2.157	34.873	251.2	1.830
700.	5.160	34.474	141.0	5.103	3950.	2.061	34.863	249.3	1.731
750.	4.931	34.476	141.9	4.870	4000.	1.910	34.847	246.3	1.578
800.	4.747	34.477	145.0	4.683	4050.	1.798	34.834	243.6	1.464
850.	4.603	34.486	148.8	4.536	4100.	1.599	34.812	240.7	1.266
900.	4.405	34.500	153.7	4.334	4150.	1.491	34.801	238.0	1.155
950.	4.224	34.543	159.8	4.151	4200.	1.312	34.783	235.3	0.976
1000.	4.215	34.597	163.2	4.137	4250.	1.181	34.767	232.4	0.843
1050.	4.226	34.649	166.9	4.144	4300.	1.104	34.761	231.0	0.763
1100.	4.246	34.690	172.2	4.159	4350.	1.080	34.758	230.5	0.734
1150.	4.280	34.750	178.0	4.189	4400.	1.026	34.751	229.8	0.677
1200.	4.306	34.793	185.1	4.210	4450.	0.944	34.742	228.7	0.592
1250.	4.331	34.839	192.9	4.230	4500.	0.942	34.741	228.3	0.584
1300.	4.338	34.877	201.2	4.232	4550.	0.897	34.736	228.3	0.535
1350.	4.334	34.907	208.9	4.224	4600.	0.853	34.731	227.3	0.487
1400.	4.303	34.928	215.0	4.189	4650.	0.839	34.729	227.0	0.467
1450.	4.259	34.940	220.7	4.140	4700.	0.813	34.725	226.5	0.437
1500.	4.176	34.948	225.5	4.054	4750.	0.804	34.725	226.1	0.422
1550.	4.114	34.961	231.3	3.988	4800.	0.802	34.724	226.0	0.415
1600.	4.054	34.968	236.3	3.924	4850.	0.803	34.723	225.7	0.409
1650.	3.960	34.973	240.4	3.826	4900.	0.792	34.722	225.7	0.393
1700.	3.910	34.974	243.9	3.773	4950.	0.776	34.719	225.1	0.372
1750.	3.835	34.974	245.6	3.694	5000.	0.775	34.719	224.5	0.365
1800.	3.799	34.974	247.3	3.654	5050.	0.770	34.717	224.1	0.355
1850.	3.726	34.972	248.7	3.577	5100.	0.761	34.716	223.7	0.340
1900.	3.658	34.969	249.8	3.505	5150.	0.762	34.715	223.2	0.334
1950.	3.597	34.968	250.5	3.440	5200.	0.749	34.713	222.5	0.316
2000.	3.535	34.965	251.1	3.374	5250.	0.737	34.711	221.7	0.299
2050.	3.495	34.965	251.9	3.330	5300.	0.738	34.710	220.9	0.293
2100.	3.446	34.961	252.0	3.277	5350.	0.741	34.710	218.6	0.290
2150.	3.396	34.958	252.1	3.224	5356.	0.741	34.709	218.6	0.290
2200.	3.346	34.956	252.4	3.169					
2250.	3.300	34.953	252.7	3.119					
2300.	3.233	34.948	252.5	3.049					
2350.	3.179	34.944	251.8	2.991					
2400.	3.120	34.941	251.2	2.927					
2450.	3.049	34.936	250.1	2.853					
2500.	3.005	34.933	249.5	2.805					
2550.	2.963	34.930	249.0	2.759					
2600.	2.905	34.925	248.1	2.697					
2650.	2.836	34.918	245.7	2.625					
2700.	2.807	34.917	244.7	2.591					
2750.	2.779	34.915	244.8	2.558					
2800.	2.750	34.913	244.7	2.525					

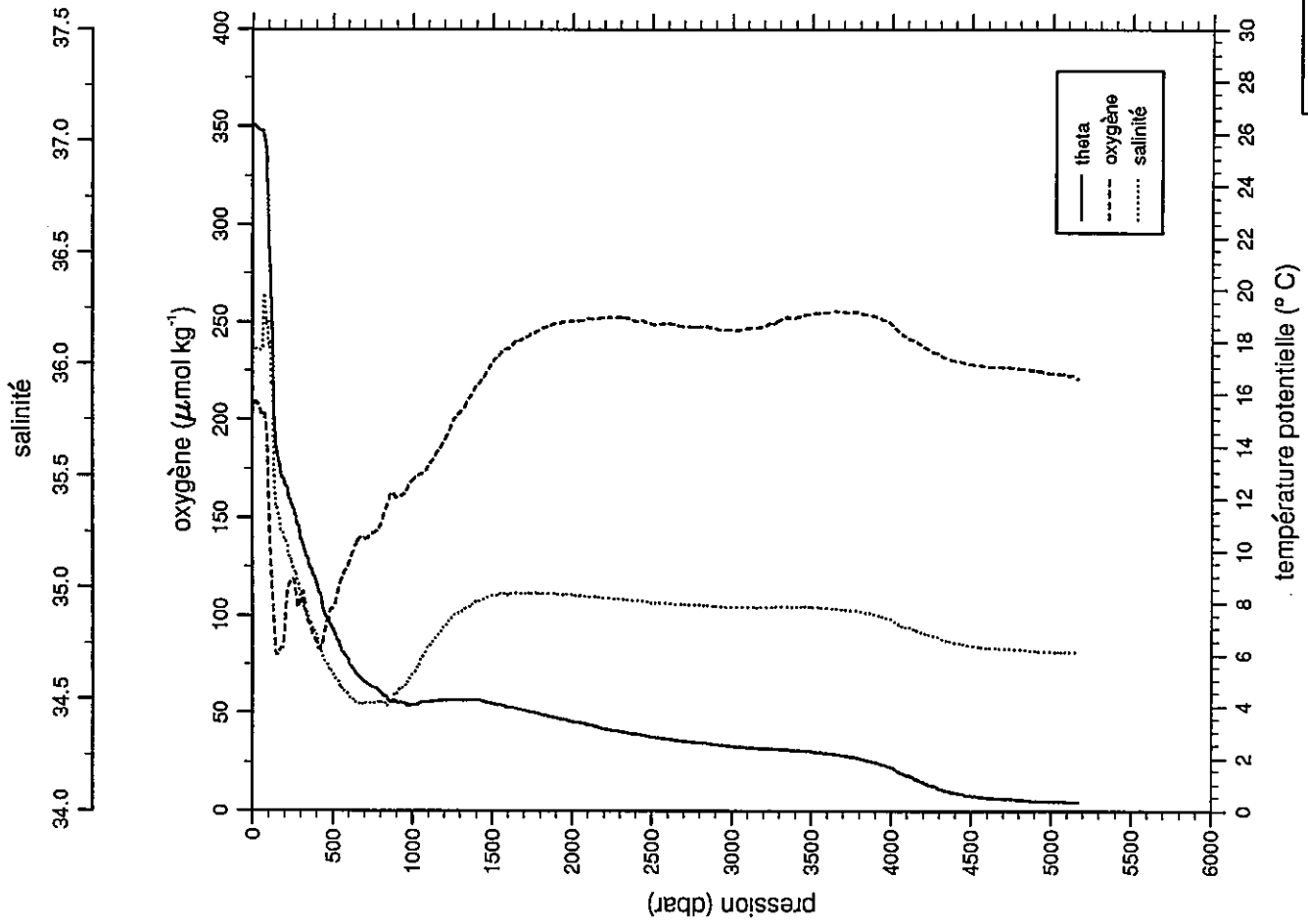


Station 64

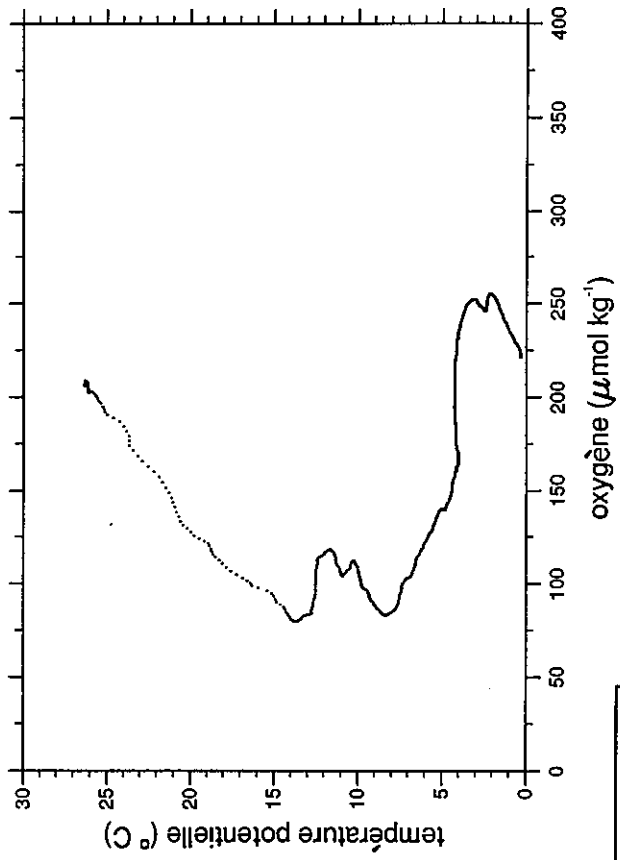
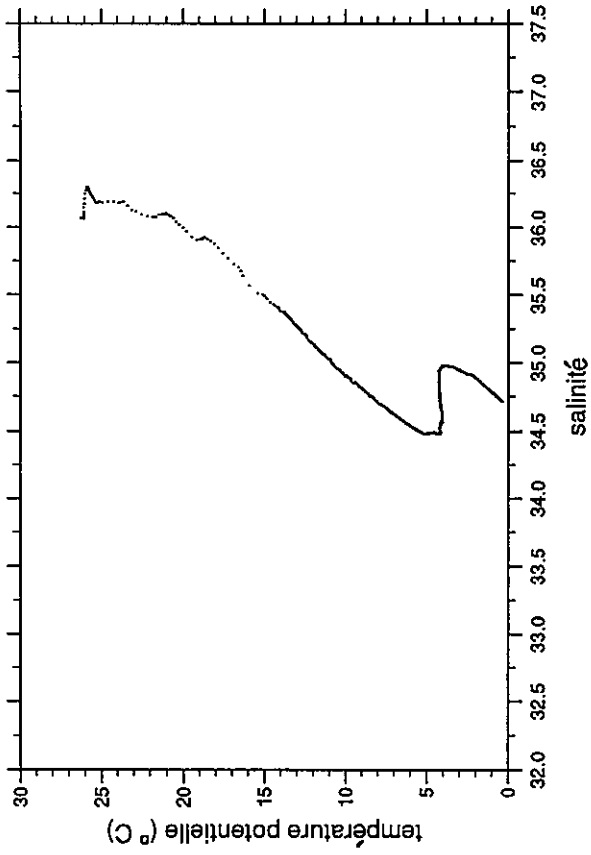


Station : 65	Campagne : CITHER1
Date : 18-01-93	Navire : L'ATALANTE
Profondeur: 5144 m	Organisme : IFREMER
Position : S 4 29.92	
W 22 0.02	

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.296	36.068	207.7	26.296	2850.	2.792	34.918	247.7	2.562
2.	26.300	36.069	205.7	26.300	2900.	2.754	34.915	246.5	2.519
3.	26.304	36.070	206.2	26.303	2950.	2.722	34.913	245.9	2.482
4.	26.307	36.070	206.7	26.306	3000.	2.687	34.910	245.7	2.443
5.	26.307	36.068	207.2	26.306	3050.	2.673	34.911	245.9	2.424
10.	26.292	36.067	208.3	26.290	3100.	2.653	34.911	246.8	2.399
20.	26.281	36.068	208.9	26.276	3150.	2.638	34.909	247.0	2.380
30.	26.200	36.064	208.2	26.193	3200.	2.623	34.910	247.8	2.360
40.	26.157	36.063	207.7	26.148	3250.	2.627	34.912	249.0	2.358
50.	26.113	36.063	204.1	26.102	3300.	2.618	34.915	251.0	2.344
100.	22.547	36.093	162.8	22.527	3350.	2.600	34.913	252.3	2.321
150.	13.833	35.374	79.9	13.811	3400.	2.586	34.913	252.1	2.302
200.	12.590	35.212	93.0	12.563	3450.	2.570	34.912	253.4	2.281
250.	11.703	35.098	118.5	11.671	3500.	2.559	34.912	254.2	2.265
300.	10.476	34.954	109.0	10.440	3550.	2.529	34.909	254.4	2.231
350.	9.552	34.849	96.6	9.512	3600.	2.503	34.908	254.6	2.200
400.	8.739	34.779	85.7	8.696	3650.	2.473	34.906	255.3	2.165
450.	7.598	34.671	91.3	7.553	3700.	2.421	34.901	255.0	2.108
500.	7.014	34.620	103.4	6.967	3750.	2.382	34.898	254.7	2.065
550.	6.309	34.554	117.4	6.259	3800.	2.329	34.892	254.6	2.008
600.	5.784	34.513	126.5	5.732	3850.	2.254	34.886	253.6	1.930
650.	5.283	34.481	137.2	5.229	3900.	2.184	34.879	252.7	1.856
700.	4.984	34.481	139.5	4.928	3950.	2.080	34.867	251.0	1.749
750.	4.787	34.482	142.1	4.727	4000.	1.972	34.853	249.1	1.639
800.	4.572	34.488	146.3	4.509	4050.	1.779	34.832	244.8	1.446
850.	4.289	34.476	158.9	4.224	4100.	1.668	34.820	241.6	1.332
900.	4.234	34.525	160.0	4.165	4150.	1.556	34.808	240.0	1.218
950.	4.197	34.561	162.5	4.124	4200.	1.431	34.794	237.3	1.091
1000.	4.117	34.609	169.3	4.040	4250.	1.313	34.783	234.9	0.971
1050.	4.223	34.678	172.3	4.141	4300.	1.197	34.770	233.3	0.853
1100.	4.266	34.738	176.7	4.180	4350.	1.099	34.759	231.3	0.752
1150.	4.293	34.781	182.8	4.201	4400.	1.047	34.753	229.9	0.697
1200.	4.326	34.826	189.7	4.230	4450.	0.988	34.746	229.2	0.634
1250.	4.340	34.868	198.2	4.239	4500.	0.925	34.739	228.2	0.568
1300.	4.341	34.891	204.1	4.236	4550.	0.885	34.734	227.6	0.523
1350.	4.342	34.912	210.1	4.232	4600.	0.857	34.730	227.1	0.491
1400.	4.363	34.938	217.3	4.248	4650.	0.839	34.728	226.8	0.468
1450.	4.298	34.950	222.3	4.180	4700.	0.826	34.727	226.6	0.449
1500.	4.227	34.967	229.2	4.104	4750.	0.813	34.725	226.4	0.431
1550.	4.182	34.975	233.9	4.055	4800.	0.809	34.723	226.1	0.421
1600.	4.079	34.969	236.3	3.949	4850.	0.785	34.720	225.6	0.393
1650.	4.052	34.975	240.0	3.917	4900.	0.769	34.718	225.0	0.371
1700.	3.971	34.974	241.5	3.832	4950.	0.754	34.716	224.3	0.350
1750.	3.903	34.974	244.0	3.761	5000.	0.743	34.715	223.6	0.334
1800.	3.828	34.973	246.2	3.682	5050.	0.746	34.715	223.4	0.331
1850.	3.764	34.974	247.9	3.614	5100.	0.749	34.714	222.9	0.328
1900.	3.705	34.972	249.5	3.551	5150.	0.754	34.714	221.7	0.327
1950.	3.633	34.969	250.0	3.476	5169.	0.754	34.713	221.0	0.325
2000.	3.565	34.966	250.7	3.404					
2050.	3.516	34.963	250.7	3.351					
2100.	3.467	34.962	251.9	3.298					
2150.	3.398	34.959	251.6	3.226					
2200.	3.314	34.954	252.2	3.138					
2250.	3.264	34.951	252.2	3.083					
2300.	3.220	34.948	252.3	3.036					
2350.	3.159	34.945	251.8	2.971					
2400.	3.115	34.941	250.3	2.923					
2450.	3.072	34.937	250.3	2.876					
2500.	3.007	34.933	249.0	2.807					
2550.	2.970	34.931	248.9	2.766					
2600.	2.941	34.929	249.1	2.732					
2650.	2.888	34.925	248.6	2.675					
2700.	2.868	34.923	247.7	2.651					
2750.	2.841	34.922	247.5	2.619					
2800.	2.812	34.921	247.7	2.586					

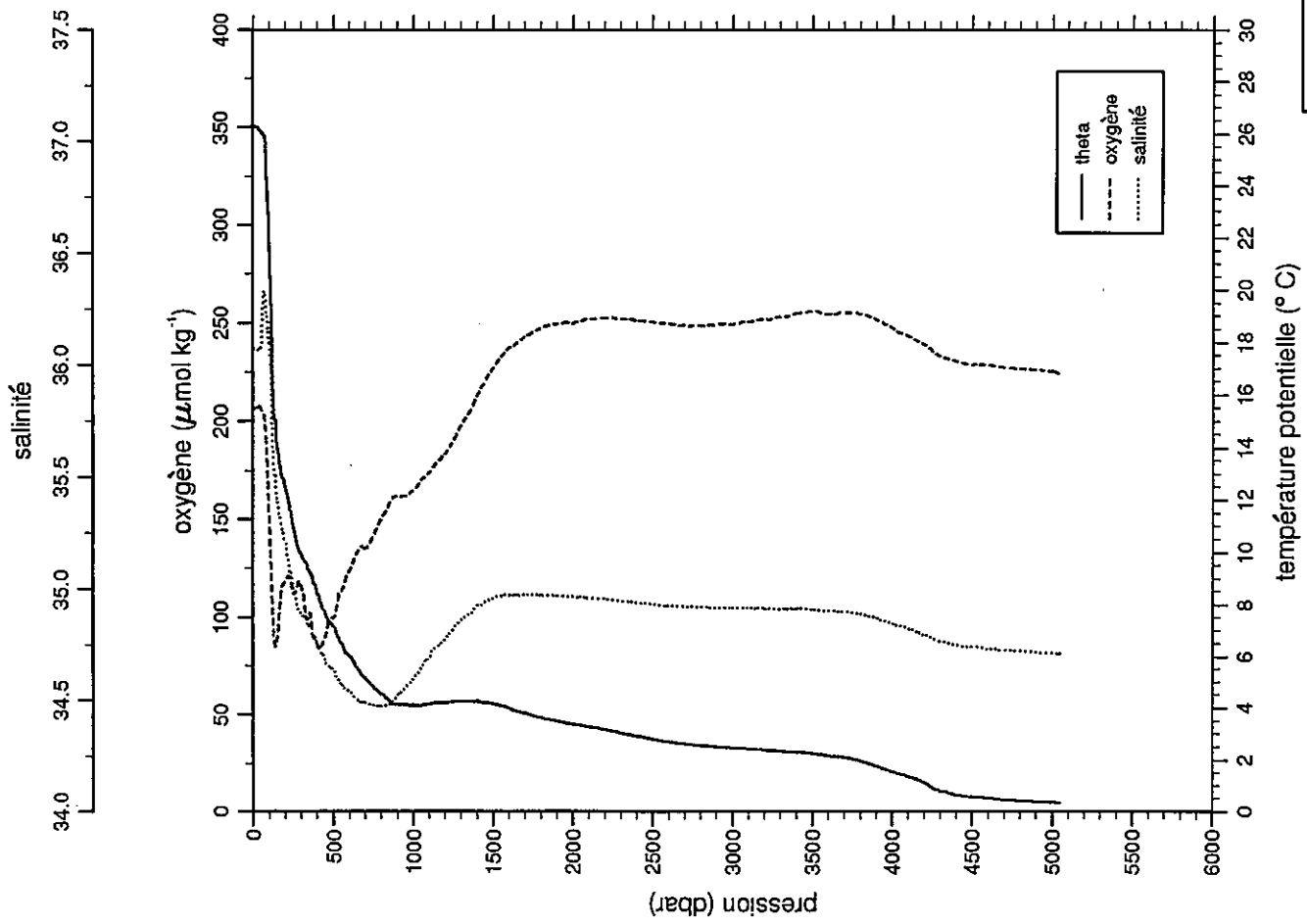


Station 65

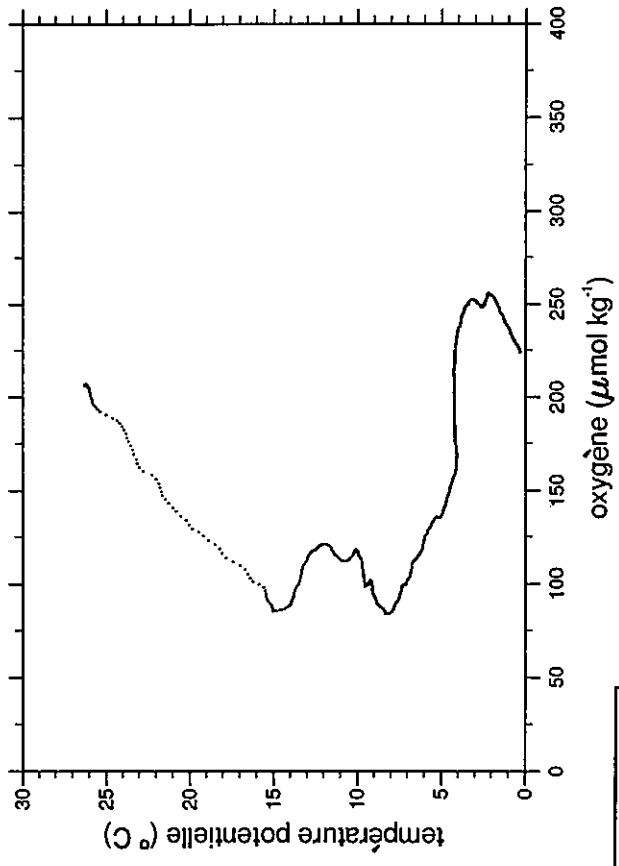
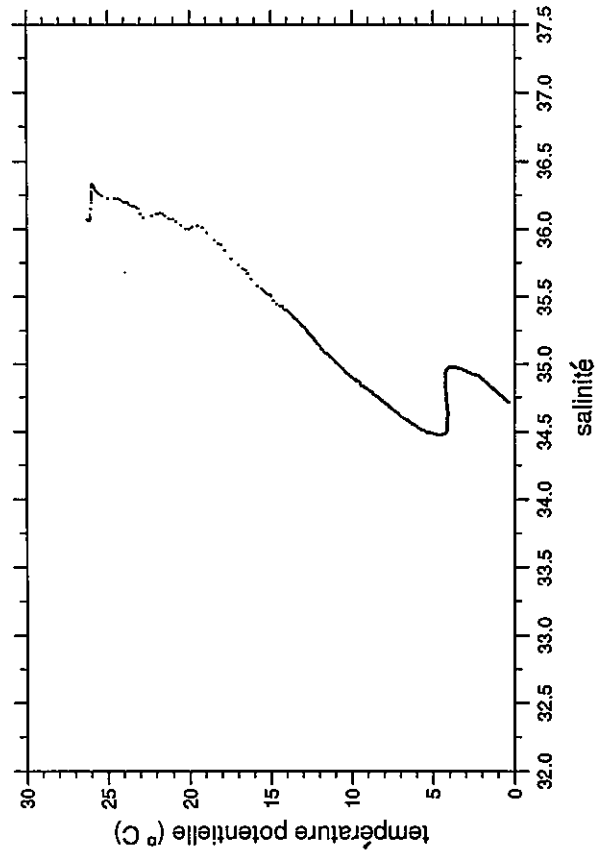


Station : 66 Campagne : CITHER1
 Date : 19-01-93 Navire : L'ATALANTE
 Profondeur: 5002 m Organisme : IFREMER
 Position : S 4 30.02
 W 22 30.12

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.289	36.071	206.8	26.289	2850.	2.765	34.920	248.8	2.535
2.	26.284	36.071	206.3	26.284	2900.	2.743	34.919	249.5	2.508
3.	26.284	36.071	206.3	26.283	2950.	2.721	34.919	249.5	2.482
4.	26.284	36.071	206.3	26.283	3000.	2.701	34.918	249.3	2.457
5.	26.288	36.071	206.5	26.286	3050.	2.697	34.919	250.2	2.448
10.	26.292	36.070	206.6	26.290	3100.	2.675	34.918	250.4	2.421
20.	26.278	36.068	206.7	26.274	3150.	2.659	34.917	251.2	2.400
30.	26.256	36.068	207.1	26.249	3200.	2.641	34.917	252.1	2.377
40.	26.159	36.064	207.1	26.150	3250.	2.617	34.916	252.2	2.348
50.	26.123	36.080	205.9	26.112	3300.	2.597	34.915	253.0	2.324
100.	21.798	36.119	151.6	21.779	3350.	2.580	34.915	253.4	2.302
150.	14.024	35.398	89.0	14.003	3400.	2.572	34.915	254.8	2.288
200.	12.510	35.208	118.7	12.483	3450.	2.561	34.915	255.3	2.272
250.	11.029	35.012	112.8	10.998	3500.	2.540	34.913	255.7	2.246
300.	9.950	34.895	115.6	9.915	3550.	2.505	34.909	255.1	2.207
350.	9.322	34.833	101.8	9.283	3600.	2.459	34.906	254.4	2.157
400.	8.418	34.753	85.7	8.376	3650.	2.434	34.903	254.5	2.127
450.	7.740	34.678	90.0	7.695	3700.	2.402	34.901	255.0	2.091
500.	7.200	34.637	99.7	7.151	3750.	2.362	34.898	255.2	2.045
550.	6.549	34.579	113.5	6.498	3800.	2.280	34.889	254.4	1.961
600.	6.063	34.537	123.7	6.009	3850.	2.191	34.880	253.4	1.868
650.	5.611	34.503	133.1	5.556	3900.	2.096	34.870	251.5	1.771
700.	5.201	34.488	135.1	5.143	3950.	1.995	34.859	249.5	1.667
750.	4.868	34.477	141.5	4.807	4000.	1.893	34.847	247.4	1.562
800.	4.578	34.476	150.4	4.515	4050.	1.786	34.836	244.9	1.452
850.	4.344	34.485	157.7	4.278	4100.	1.684	34.823	243.4	1.348
900.	4.209	34.522	161.8	4.140	4150.	1.583	34.812	241.0	1.245
950.	4.207	34.557	162.0	4.134	4200.	1.455	34.797	238.8	1.115
1000.	4.195	34.596	164.7	4.118	4250.	1.254	34.777	235.6	0.914
1050.	4.188	34.655	170.1	4.106	4300.	1.144	34.765	232.9	0.802
1100.	4.235	34.696	174.0	4.149	4350.	1.094	34.759	231.7	0.748
1150.	4.275	34.744	179.0	4.184	4400.	1.011	34.751	230.2	0.662
1200.	4.295	34.778	183.2	4.199	4450.	0.958	34.744	229.3	0.605
1250.	4.323	34.820	190.0	4.222	4500.	0.936	34.742	228.6	0.578
1300.	4.348	34.862	197.9	4.243	4550.	0.919	34.739	228.7	0.556
1350.	4.347	34.890	204.5	4.237	4600.	0.886	34.735	228.2	0.518
1400.	4.376	34.930	212.9	4.261	4650.	0.854	34.730	227.8	0.482
1450.	4.323	34.945	220.6	4.204	4700.	0.820	34.727	227.2	0.443
1500.	4.280	34.961	227.1	4.156	4750.	0.808	34.725	226.9	0.426
1550.	4.210	34.970	232.7	4.083	4800.	0.802	34.724	226.6	0.415
1600.	4.132	34.977	237.2	4.001	4850.	0.779	34.721	226.4	0.386
1650.	4.004	34.975	239.9	3.870	4900.	0.758	34.718	225.9	0.360
1700.	3.945	34.978	243.1	3.807	4950.	0.746	34.717	225.5	0.343
1750.	3.847	34.976	245.3	3.705	5000.	0.746	34.716	225.2	0.337
1800.	3.782	34.975	247.4	3.637	5050.	0.739	34.715	223.8	0.325
1850.	3.705	34.973	248.8	3.556	5051.	0.739	34.714	223.7	0.324
1900.	3.668	34.971	249.6	3.514					
1950.	3.605	34.968	250.2	3.448					
2000.	3.555	34.968	249.8	3.394					
2050.	3.519	34.966	250.9	3.354					
2100.	3.462	34.962	252.0	3.293					
2150.	3.426	34.960	252.2	3.253					
2200.	3.353	34.957	252.4	3.176					
2250.	3.291	34.953	252.6	3.110					
2300.	3.221	34.949	252.0	3.036					
2350.	3.165	34.947	251.9	2.977					
2400.	3.108	34.942	251.1	2.915					
2450.	3.061	34.939	250.8	2.865					
2500.	3.007	34.934	250.3	2.807					
2550.	2.947	34.931	249.8	2.743					
2600.	2.913	34.929	249.6	2.705					
2650.	2.869	34.926	248.9	2.657					
2700.	2.836	34.924	248.8	2.619					
2750.	2.808	34.923	248.7	2.587					
2800.	2.784	34.921	248.6	2.558					

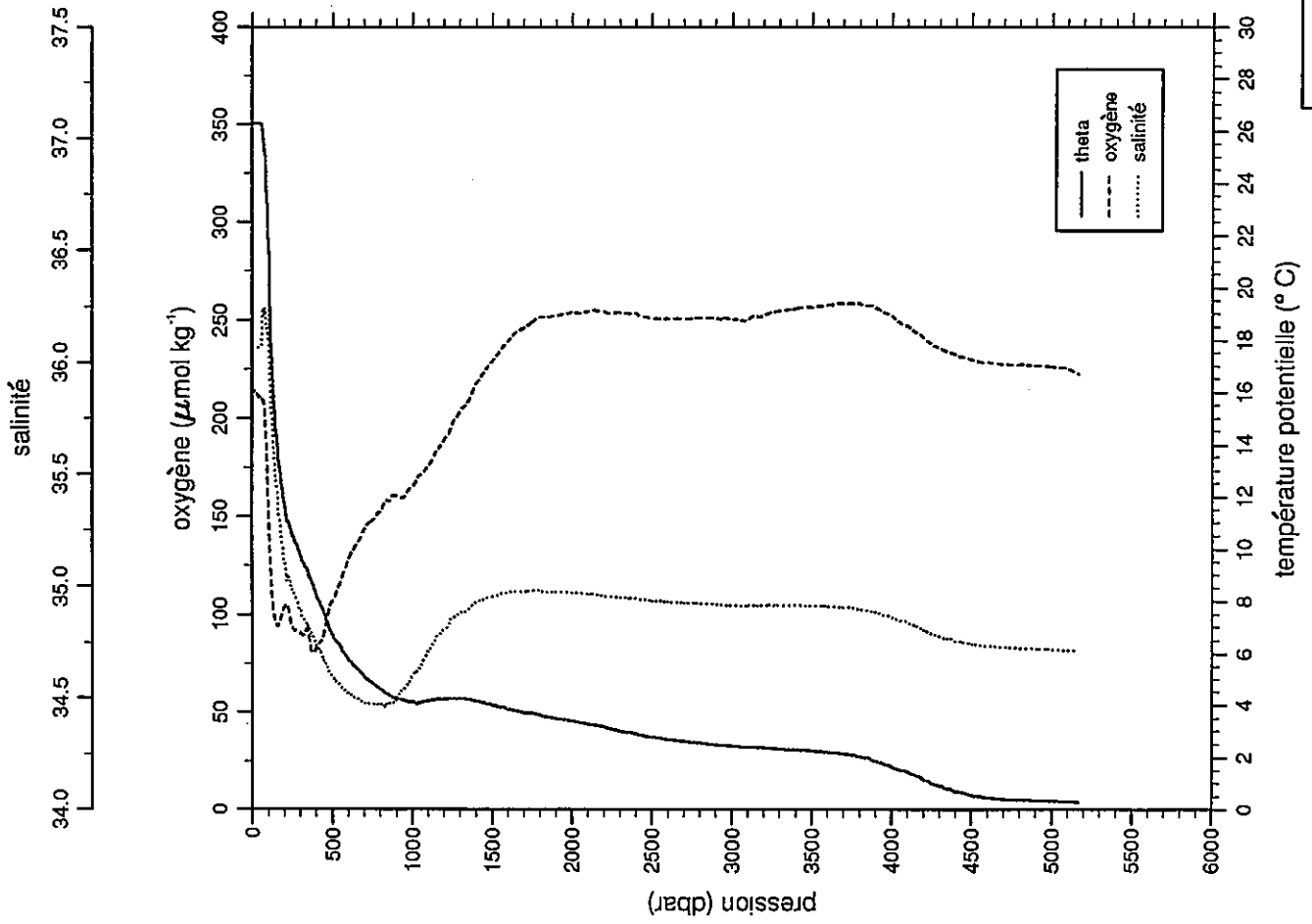


Station 66

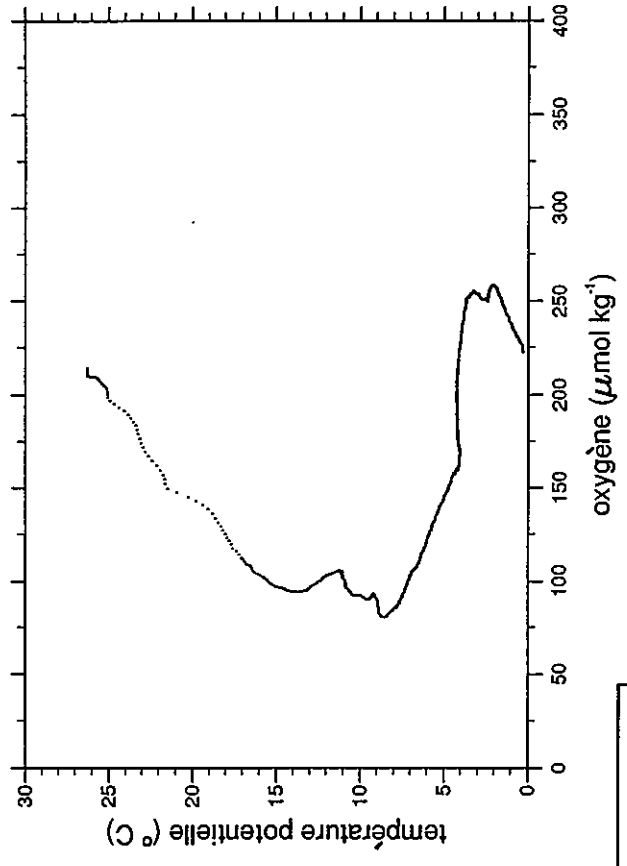
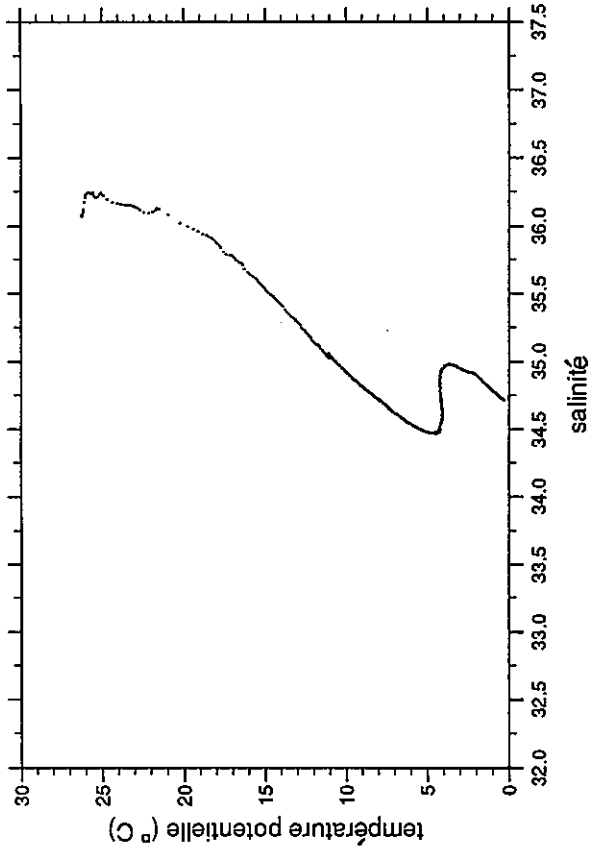


Station : 67 Campagne : CITHER1
 Date : 19-01-93 Navire : L'ATALANTE
 Profondeur: 5230 m Organisme : IFREMER
 Position : S 4 29.94
 W 23 10.18

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.291	36.066	214.1	26.291	2850.	2.759	34.922	251.1	2.529
2.	26.291	36.066	214.1	26.291	2900.	2.723	34.919	251.0	2.489
3.	26.291	36.066	214.2	26.291	2950.	2.712	34.919	251.2	2.473
4.	26.291	36.066	214.1	26.290	3000.	2.683	34.916	250.3	2.440
5.	26.291	36.066	214.2	26.290	3050.	2.662	34.914	250.3	2.414
10.	26.291	36.066	213.9	26.289	3100.	2.658	34.917	250.5	2.404
20.	26.293	36.066	213.4	26.289	3150.	2.643	34.915	252.3	2.384
30.	26.295	36.066	212.2	26.288	3200.	2.631	34.916	252.6	2.368
40.	26.299	36.066	211.1	26.290	3250.	2.619	34.918	254.4	2.351
50.	26.297	36.067	210.3	26.285	3300.	2.601	34.917	254.9	2.328
100.	21.769	36.112	156.9	21.749	3350.	2.585	34.917	255.7	2.307
150.	14.411	35.465	95.0	14.389	3400.	2.579	34.916	256.1	2.296
200.	11.759	35.119	103.6	11.733	3450.	2.574	34.916	256.6	2.285
250.	10.546	34.984	93.4	10.516	3500.	2.548	34.914	256.8	2.255
300.	9.767	34.890	90.4	9.732	3550.	2.525	34.913	257.3	2.226
350.	9.084	34.818	90.8	9.045	3600.	2.505	34.912	257.9	2.202
400.	8.259	34.735	83.1	8.218	3650.	2.489	34.911	258.3	2.180
450.	7.548	34.670	90.9	7.504	3700.	2.453	34.908	258.5	2.139
500.	6.751	34.597	106.6	6.705	3750.	2.427	34.906	258.6	2.109
550.	6.285	34.553	116.3	6.236	3800.	2.361	34.900	258.6	2.039
600.	5.798	34.517	127.7	5.746	3850.	2.312	34.895	257.5	1.986
650.	5.489	34.496	135.4	5.434	3900.	2.198	34.884	256.5	1.869
700.	5.121	34.476	143.0	5.064	3950.	2.102	34.872	254.3	1.771
750.	4.902	34.471	147.8	4.841	4000.	1.995	34.859	252.1	1.661
800.	4.690	34.468	152.2	4.626	4050.	1.870	34.846	248.8	1.534
850.	4.484	34.475	157.3	4.417	4100.	1.793	34.837	247.0	1.453
900.	4.278	34.502	160.2	4.209	4150.	1.665	34.822	244.0	1.324
950.	4.245	34.544	159.9	4.172	4200.	1.487	34.803	240.9	1.145
1000.	4.194	34.599	165.1	4.117	4250.	1.345	34.788	238.0	1.002
1050.	4.178	34.640	170.9	4.096	4300.	1.257	34.777	235.6	0.911
1100.	4.250	34.711	175.4	4.163	4350.	1.160	34.767	233.8	0.812
1150.	4.312	34.771	182.7	4.221	4400.	1.060	34.757	232.4	0.710
1200.	4.328	34.815	189.1	4.232	4450.	1.014	34.751	231.1	0.659
1250.	4.352	34.858	196.9	4.251	4500.	0.929	34.742	230.0	0.572
1300.	4.343	34.883	203.6	4.237	4550.	0.885	34.736	228.9	0.523
1350.	4.331	34.900	208.8	4.221	4600.	0.859	34.733	228.4	0.492
1400.	4.266	34.931	217.6	4.152	4650.	0.824	34.730	228.0	0.453
1450.	4.208	34.942	223.6	4.090	4700.	0.796	34.726	227.7	0.420
1500.	4.128	34.954	229.2	4.006	4750.	0.787	34.724	227.4	0.405
1550.	4.060	34.965	234.6	3.934	4800.	0.779	34.723	227.4	0.392
1600.	3.983	34.972	239.4	3.854	4850.	0.770	34.721	227.1	0.378
1650.	3.931	34.977	244.1	3.798	4900.	0.769	34.720	226.9	0.371
1700.	3.855	34.977	246.3	3.718	4950.	0.764	34.719	226.7	0.360
1750.	3.842	34.982	249.0	3.701	5000.	0.753	34.716	226.4	0.344
1800.	3.779	34.979	251.6	3.634	5050.	0.744	34.715	225.7	0.329
1850.	3.695	34.975	251.8	3.546	5100.	0.732	34.713	225.3	0.312
1900.	3.654	34.974	252.5	3.501	5150.	0.736	34.713	223.1	0.309
1950.	3.613	34.972	253.1	3.456	5168.	0.725	34.712	222.4	0.297
2000.	3.559	34.971	254.3	3.398					
2050.	3.498	34.967	253.8	3.333					
2100.	3.444	34.966	254.8	3.275					
2150.	3.399	34.963	255.3	3.226					
2200.	3.344	34.956	254.6	3.167					
2250.	3.258	34.952	253.8	3.078					
2300.	3.195	34.950	254.1	3.011					
2350.	3.141	34.947	253.6	2.953					
2400.	3.100	34.942	253.6	2.908					
2450.	3.039	34.938	251.9	2.844					
2500.	2.997	34.935	251.0	2.797					
2550.	2.964	34.933	250.9	2.759					
2600.	2.908	34.930	250.7	2.700					
2650.	2.876	34.927	250.9	2.663					
2700.	2.852	34.927	250.8	2.635					
2750.	2.821	34.925	251.0	2.600					
2800.	2.794	34.923	251.3	2.568					

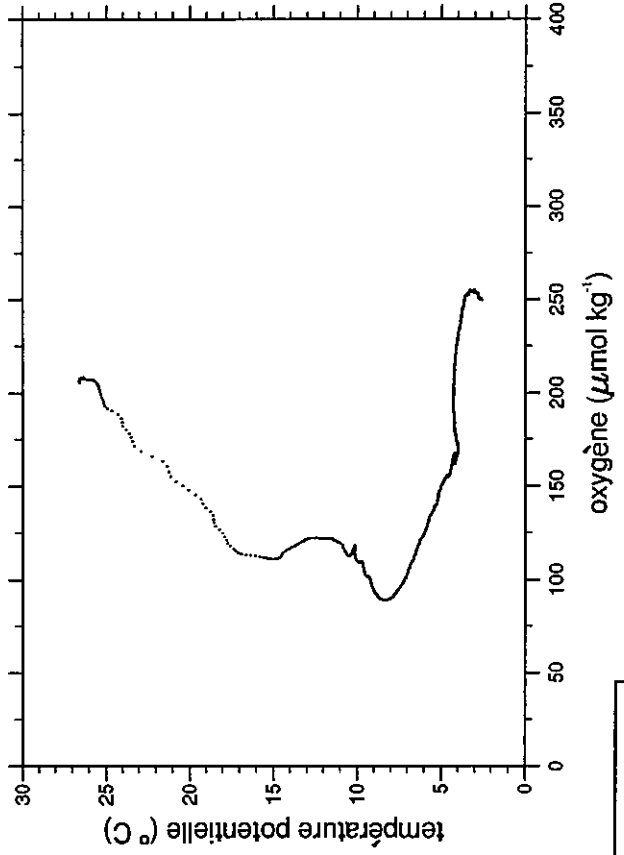
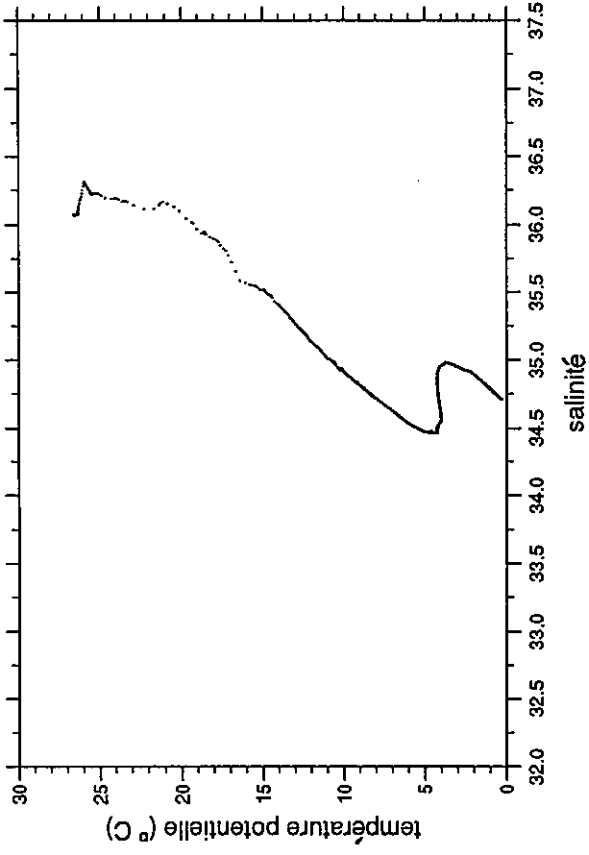
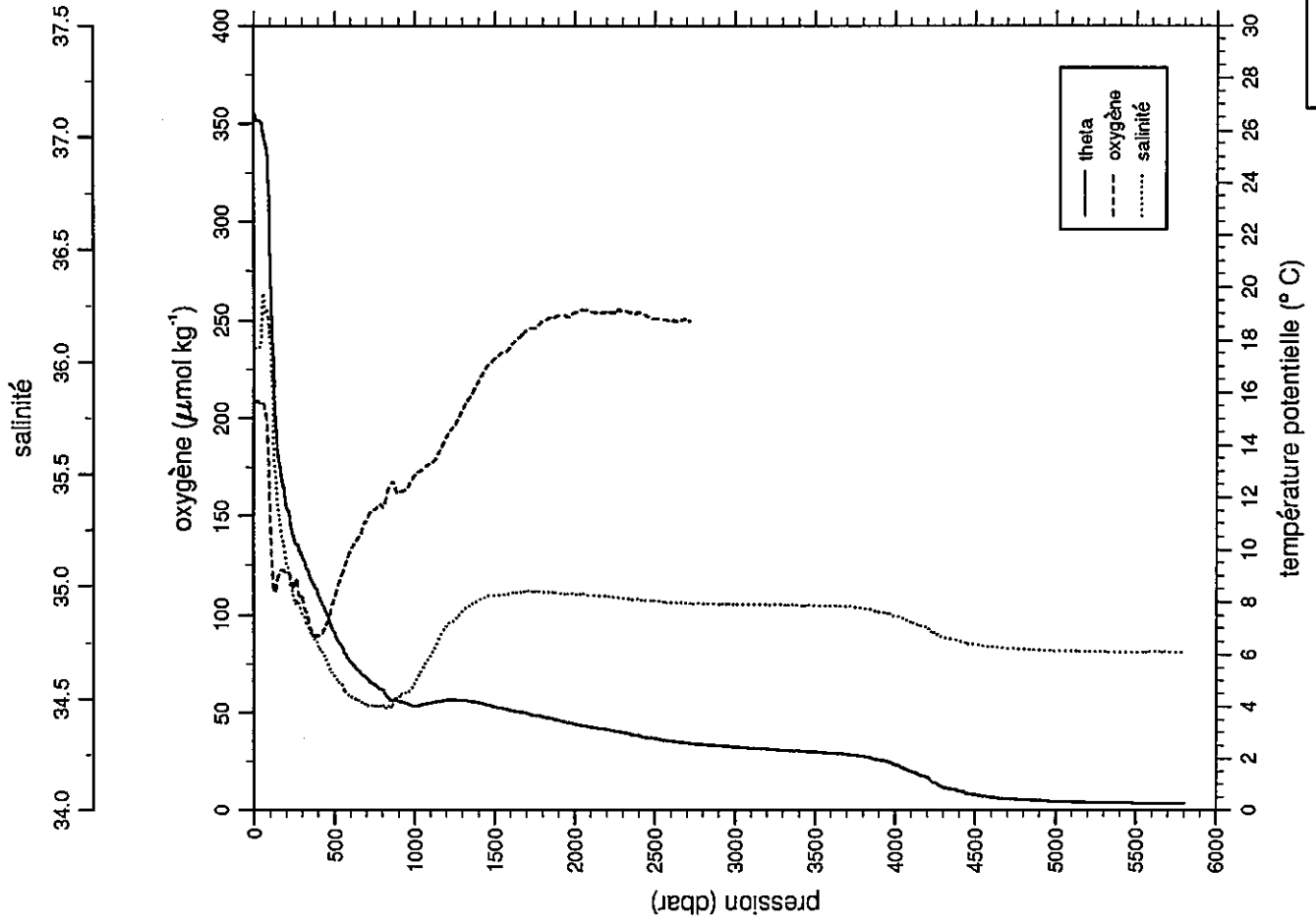


Station 67



Station : 68 Campagne : CITHER1
 Date : 19-01-93 Navire : L'ATALANTE
 Profondeur: 5773 m Organisme : IFREMER
 Position : S 4 30.07
 W 23 50.09

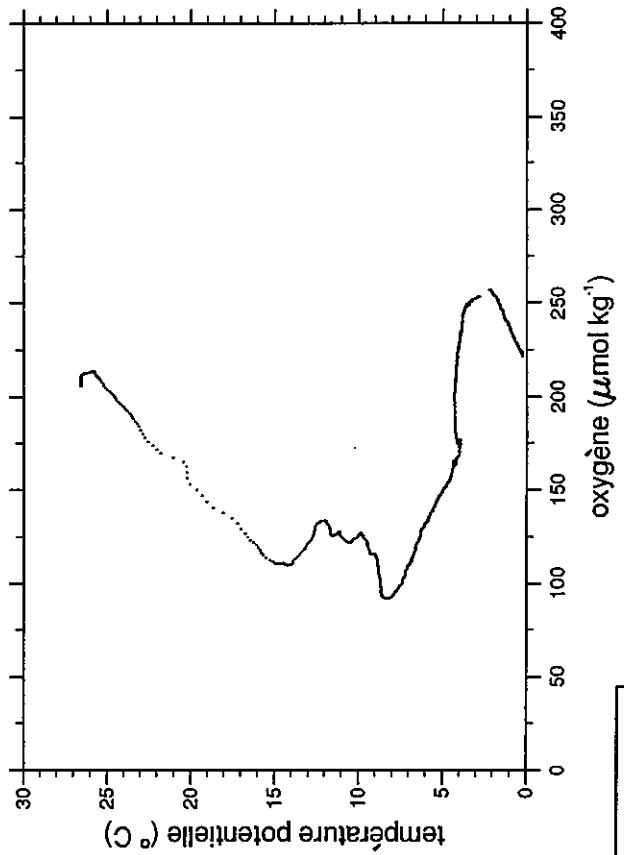
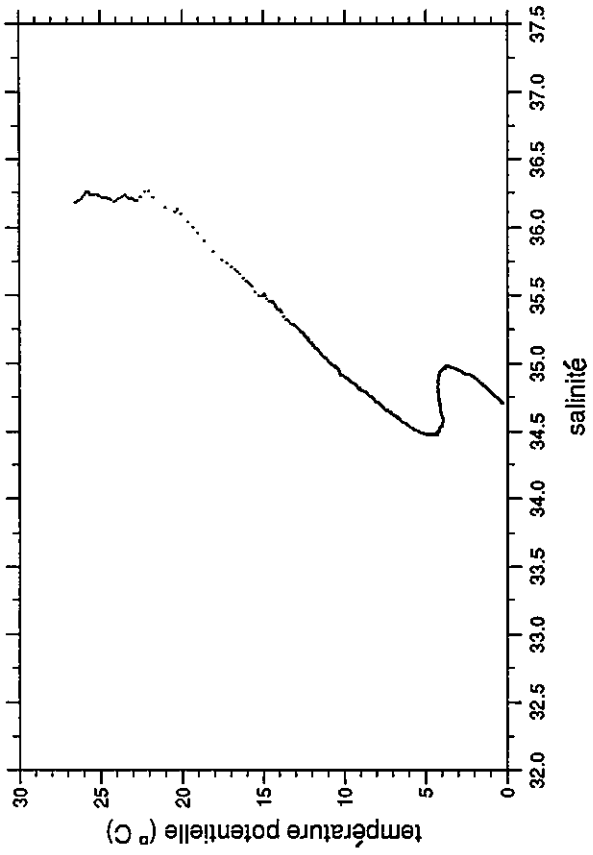
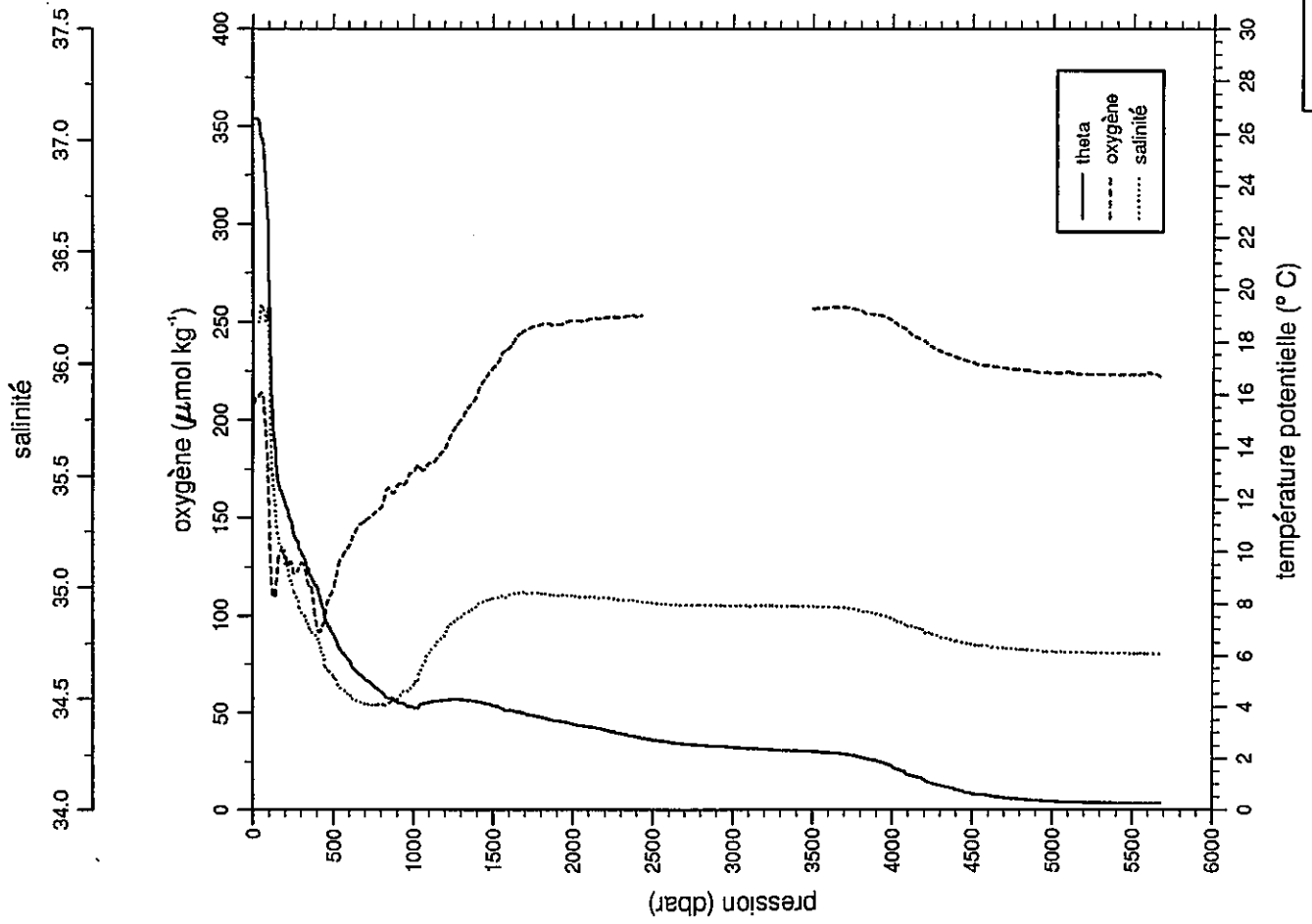
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.549	36.068	207.6	26.549	2850.	2.757	34.923		2.527
2.	26.594	36.072	205.6	26.594	2900.	2.732	34.921		2.497
3.	26.593	36.071	206.3	26.592	2950.	2.721	34.920		2.481
4.	26.592	36.072	206.6	26.591	3000.	2.694	34.920		2.449
5.	26.596	36.073	207.0	26.595	3050.	2.673	34.919		2.424
10.	26.500	36.063	208.2	26.497	3100.	2.663	34.920		2.409
20.	26.371	36.070	208.7	26.366	3150.	2.649	34.920		2.391
30.	26.358	36.071	208.0	26.351	3200.	2.639	34.920		2.376
40.	26.343	36.081	207.4	26.334	3250.	2.619	34.919		2.350
50.	26.160	36.205	207.2	26.149	3300.	2.600	34.917		2.326
100.	21.131	36.165	155.3	21.112	3350.	2.586	34.917		2.307
150.	13.630	35.352	118.5	13.609	3400.	2.571	34.916		2.288
200.	11.696	35.100	121.8	11.670	3450.	2.555	34.916		2.267
250.	10.412	34.948	113.3	10.382	3500.	2.544	34.914		2.250
300.	9.726	34.878	109.2	9.691	3550.	2.527	34.914		2.228
350.	8.949	34.802	92.8	8.911	3600.	2.516	34.913		2.212
400.	8.320	34.743	89.1	8.278	3650.	2.500	34.912		2.191
450.	7.624	34.676	94.7	7.579	3700.	2.475	34.910		2.162
500.	6.863	34.605	108.3	6.816	3750.	2.449	34.908		2.131
550.	6.315	34.558	120.7	6.266	3800.	2.401	34.904		2.078
600.	5.769	34.513	132.2	5.717	3850.	2.350	34.898		2.023
650.	5.450	34.495	138.9	5.396	3900.	2.267	34.889		1.936
700.	5.179	34.477	147.1	5.121	3950.	2.204	34.880		1.869
750.	4.897	34.467	153.4	4.836	4000.	2.096	34.871		1.759
800.	4.707	34.475	155.0	4.643	4050.	1.987	34.859		1.648
850.	4.313	34.464	166.0	4.248	4100.	1.853	34.842		1.512
900.	4.267	34.503	161.7	4.197	4150.	1.721	34.829		1.378
950.	4.205	34.531	163.9	4.132	4200.	1.629	34.818		1.284
1000.	4.076	34.568	170.8	4.000	4250.	1.392	34.794		1.048
1050.	4.156	34.639	173.8	4.075	4300.	1.224	34.774		0.880
1100.	4.221	34.690	177.1	4.135	4350.	1.164	34.769		0.816
1150.	4.306	34.768	182.3	4.215	4400.	1.093	34.760		0.741
1200.	4.368	34.827	190.1	4.271	4450.	0.999	34.750		0.644
1250.	4.361	34.851	196.5	4.260	4500.	0.966	34.746		0.607
1300.	4.353	34.893	204.3	4.247	4550.	0.908	34.739		0.546
1350.	4.309	34.916	211.5	4.199	4600.	0.883	34.735		0.516
1400.	4.272	34.938	218.9	4.158	4650.	0.849	34.731		0.477
1450.	4.186	34.958	226.5	4.068	4700.	0.813	34.727		0.437
1500.	4.105	34.959	230.5	3.984	4750.	0.802	34.725		0.420
1550.	4.048	34.965	233.9	3.923	4800.	0.795	34.724		0.407
1600.	3.982	34.970	237.3	3.852	4850.	0.785	34.723		0.393
1650.	3.919	34.977	241.2	3.786	4900.	0.780	34.721		0.381
1700.	3.880	34.984	244.9	3.743	4950.	0.762	34.719		0.358
1750.	3.799	34.978	246.0	3.658	5000.	0.750	34.717		0.341
1800.	3.766	34.978	249.7	3.621	5050.	0.751	34.717		0.336
1850.	3.703	34.976	251.5	3.554	5100.	0.751	34.716		0.330
1900.	3.642	34.973	252.5	3.490	5150.	0.742	34.714		0.316
1950.	3.562	34.967	252.0	3.406	5200.	0.740	34.713		0.308
2000.	3.500	34.967	253.9	3.340	5250.	0.739	34.712		0.301
2050.	3.438	34.965	255.1	3.274	5300.	0.739	34.711		0.294
2100.	3.387	34.962	254.0	3.219	5350.	0.738	34.711		0.287
2150.	3.336	34.959	253.9	3.164	5400.	0.741	34.710		0.284
2200.	3.314	34.958	254.3	3.138	5450.	0.746	34.710		0.283
2250.	3.226	34.951	253.5	3.046	5500.	0.747	34.710		0.277
2300.	3.176	34.950	254.6	2.993	5550.	0.751	34.712		0.275
2350.	3.107	34.944	253.6	2.919	5600.	0.755	34.712		0.273
2400.	3.061	34.942	253.7	2.870	5650.	0.762	34.712		0.273
2450.	2.992	34.937	252.0	2.797	5700.	0.768	34.711		0.273
2500.	2.958	34.934	250.9	2.759	5750.	0.774	34.710		0.272
2550.	2.915	34.930	250.4	2.711	5800.	0.781	34.710		0.272
2600.	2.872	34.929	250.1	2.665	5803.	0.781	34.710		0.272
2650.	2.841	34.928	249.6	2.629					
2700.	2.808	34.925	250.0	2.592					
2750.	2.783	34.924		2.562					
2800.	2.760	34.923		2.535					



Station 68

Station : 69 Campagne : CITHER1
 Date : 19-01-93 Navire : L'ATALANTE
 Profondeur: 5629 m Organisme : IPREMER
 Position : S 4 30.00
 W 24 30.11

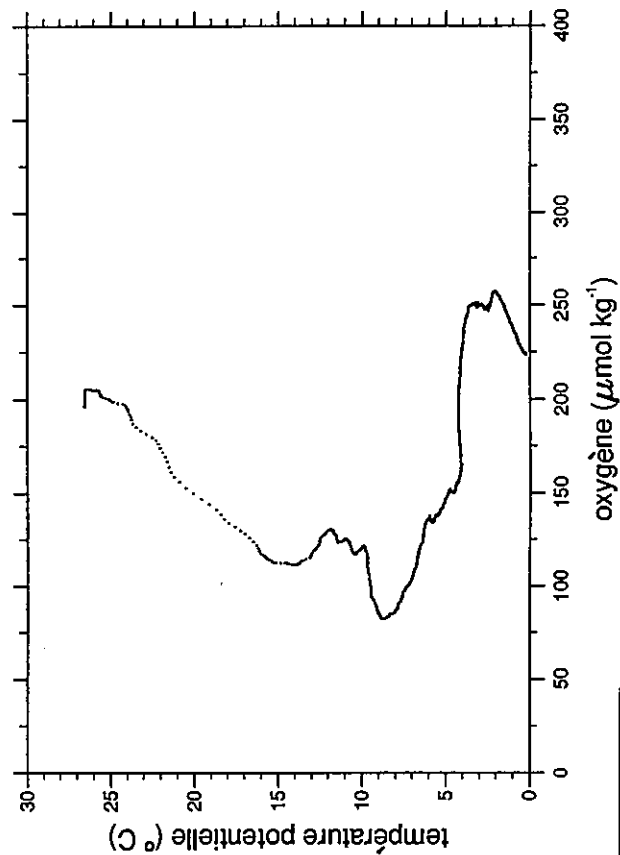
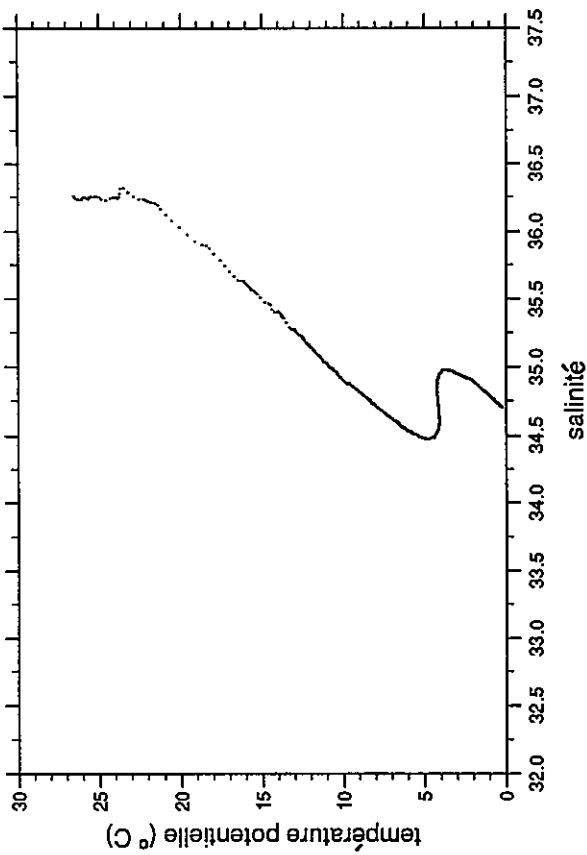
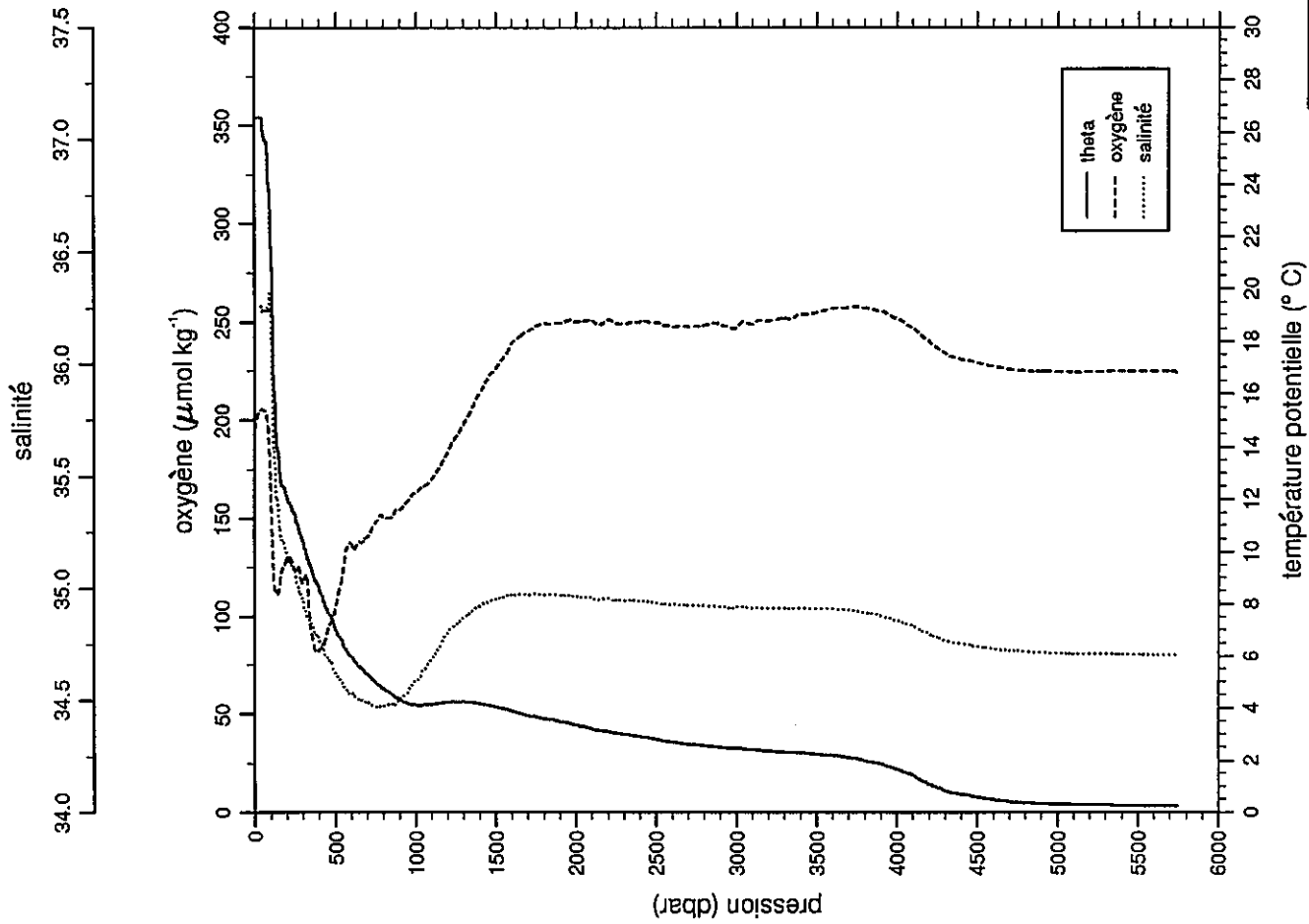
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.555	36.181	209.1	26.555	2850.	2.737	34.922		2.507
2.	26.555	36.181	205.9	26.555	2900.	2.721	34.921		2.486
3.	26.549	36.181	206.0	26.548	2950.	2.705	34.920		2.465
4.	26.552	36.181	207.2	26.551	3000.	2.682	34.920		2.438
5.	26.554	36.181	208.0	26.553	3050.	2.659	34.919		2.411
10.	26.557	36.180	209.8	26.555	3100.	2.640	34.918		2.387
20.	26.550	36.181	211.6	26.546	3150.	2.634	34.920		2.375
30.	26.508	36.186	212.1	26.501	3200.	2.616	34.918		2.353
40.	26.389	36.198	212.8	26.380	3250.	2.605	34.918		2.336
50.	25.888	36.259	213.7	25.876	3300.	2.586	34.917		2.313
100.	20.265	36.132	156.3	20.246	3350.	2.582	34.915		2.304
150.	13.087	35.279	120.2	13.067	3400.	2.571	34.915		2.287
200.	11.880	35.121	131.9	11.854	3450.	2.569	34.917		2.280
250.	10.818	34.991	122.9	10.787	3500.	2.557	34.916	256.8	2.263
300.	9.947	34.895	126.9	9.912	3550.	2.538	34.915	256.8	2.239
350.	9.295	34.828	115.4	9.256	3600.	2.528	34.914	257.3	2.224
400.	8.649	34.778	94.0	8.606	3650.	2.508	34.913	257.5	2.199
450.	7.421	34.654	100.4	7.377	3700.	2.480	34.910	257.4	2.166
500.	6.831	34.601	114.0	6.784	3750.	2.430	34.904	256.9	2.112
550.	6.195	34.547	129.7	6.146	3800.	2.367	34.899	256.1	2.045
600.	5.821	34.517	135.8	5.769	3850.	2.286	34.891	254.4	1.960
650.	5.384	34.491	144.2	5.330	3900.	2.234	34.885	254.0	1.904
700.	5.119	34.478	148.2	5.062	3950.	2.141	34.875	252.9	1.809
750.	4.871	34.473	151.5	4.810	4000.	2.009	34.861	250.7	1.675
800.	4.628	34.478	155.3	4.565	4050.	1.885	34.848	247.5	1.548
850.	4.398	34.483	165.4	4.332	4100.	1.720	34.830	244.8	1.382
900.	4.272	34.506	166.5	4.203	4150.	1.638	34.820	242.1	1.298
950.	4.170	34.535	167.6	4.098	4200.	1.520	34.807	240.4	1.178
1000.	4.061	34.566	173.7	3.984	4250.	1.368	34.791	237.2	1.025
1050.	4.167	34.638	174.9	4.085	4300.	1.276	34.781	234.9	0.929
1100.	4.248	34.708	177.6	4.161	4350.	1.211	34.773	233.3	0.861
1150.	4.307	34.759	180.6	4.215	4400.	1.115	34.763	231.7	0.763
1200.	4.346	34.796	185.5	4.249	4450.	1.053	34.756	230.5	0.697
1250.	4.366	34.844	194.5	4.264	4500.	0.971	34.749	229.2	0.612
1300.	4.374	34.869	200.3	4.268	4550.	0.947	34.745	228.2	0.583
1350.	4.339	34.897	206.8	4.229	4600.	0.931	34.741	227.8	0.562
1400.	4.304	34.925	213.2	4.190	4650.	0.883	34.735	227.1	0.510
1450.	4.219	34.937	221.1	4.101	4700.	0.849	34.732	226.5	0.472
1500.	4.154	34.950	226.6	4.032	4750.	0.826	34.728	226.0	0.444
1550.	4.064	34.964	232.7	3.939	4800.	0.804	34.725	225.6	0.417
1600.	3.984	34.970	236.6	3.855	4850.	0.786	34.725	225.3	0.393
1650.	3.922	34.978	242.6	3.789	4900.	0.762	34.720	224.5	0.364
1700.	3.866	34.980	245.9	3.729	4950.	0.751	34.718	224.3	0.348
1750.	3.799	34.980	247.7	3.658	5000.	0.744	34.716	224.0	0.335
1800.	3.734	34.977	248.7	3.590	5050.	0.740	34.715	223.9	0.325
1850.	3.657	34.972	249.1	3.509	5100.	0.738	34.714	224.7	0.318
1900.	3.611	34.970	248.6	3.459	5150.	0.739	34.714	223.6	0.312
1950.	3.572	34.970	249.7	3.416	5200.	0.735	34.712	223.5	0.303
2000.	3.495	34.966	250.8	3.335	5250.	0.732	34.712	223.5	0.294
2050.	3.432	34.963	250.4	3.268	5300.	0.733	34.711	223.4	0.289
2100.	3.403	34.963	251.5	3.235	5350.	0.733	34.710	223.3	0.282
2150.	3.346	34.960	251.9	3.174	5400.	0.735	34.710	223.1	0.278
2200.	3.283	34.957	252.1	3.107	5450.	0.735	34.709	223.3	0.272
2250.	3.221	34.954	252.6	3.041	5500.	0.738	34.709	223.0	0.269
2300.	3.151	34.950	252.2	2.968	5550.	0.739	34.709	223.0	0.264
2350.	3.094	34.947	253.2	2.907	5600.	0.743	34.708	224.1	0.262
2400.	3.021	34.941	252.7	2.831	5650.	0.748	34.708	223.2	0.260
2450.	2.976	34.938		2.782	5678.	0.752	34.708	221.7	0.261
2500.	2.926	34.934		2.728					
2550.	2.886	34.929		2.683					
2600.	2.860	34.928		2.653					
2650.	2.808	34.923		2.597					
2700.	2.790	34.922		2.574					
2750.	2.763	34.923		2.543					
2800.	2.756	34.923		2.531					



Station 69

Station : 70 Campagne : CITHERR1
 Date : 20-01-93 Navire : L'ATALANTE
 Profondeur: 5710 m Organisme : IFREMER
 Position : S 4 30.01
 W 25 10.14

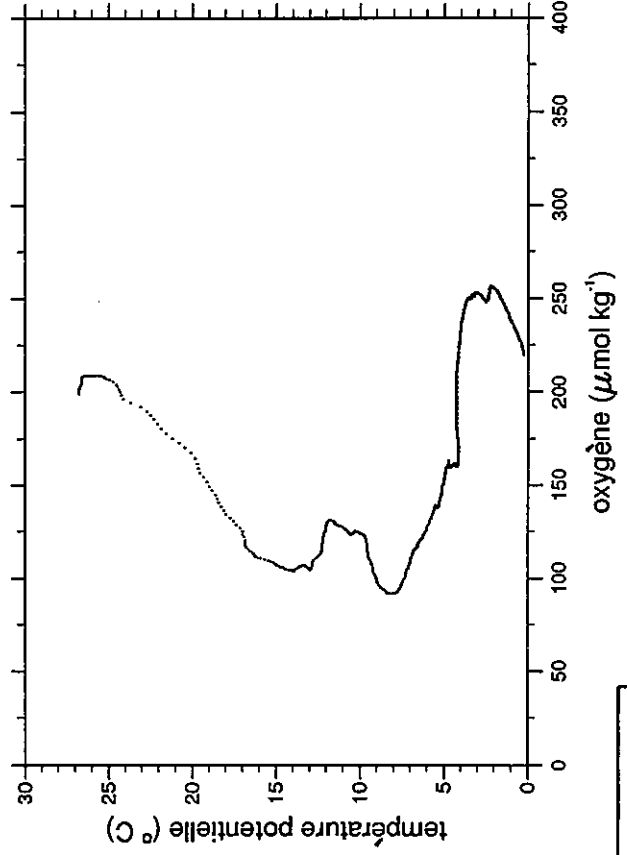
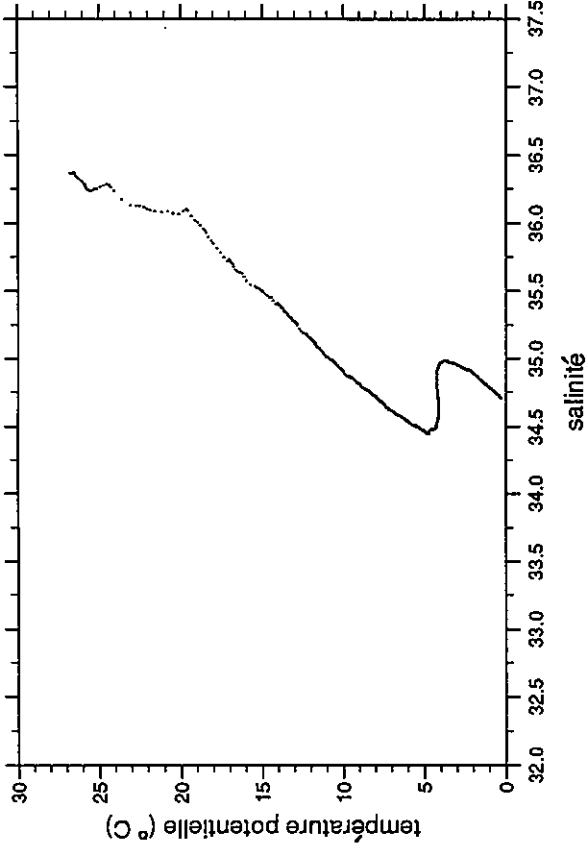
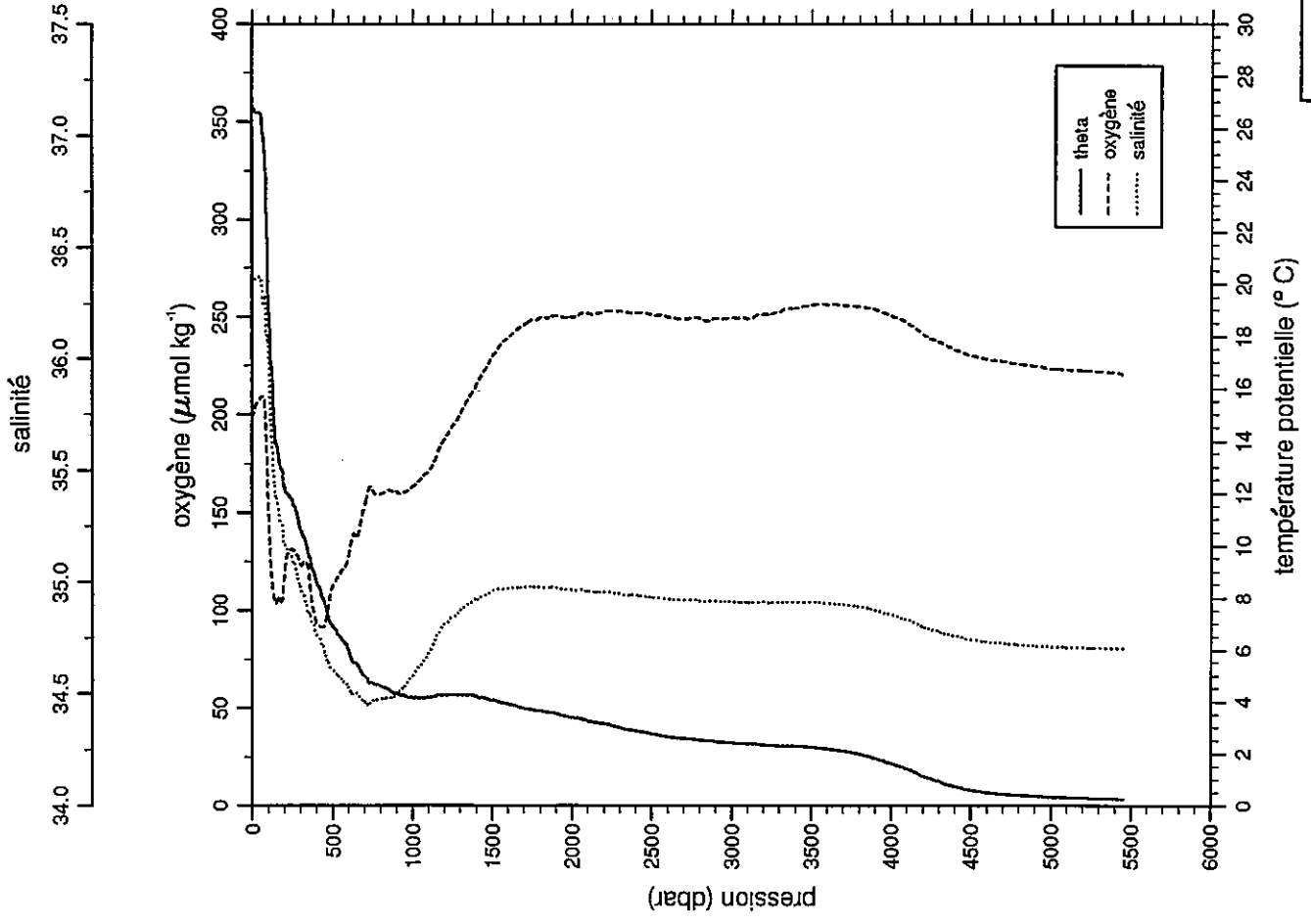
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.552	36.257	197.9	26.551	2850.	2.745	34.922	249.4	2.516
2.	26.546	36.257	197.7	26.546	2900.	2.711	34.919	248.5	2.477
3.	26.550	36.257	197.0	26.549	2950.	2.696	34.917	247.5	2.457
4.	26.552	36.256	196.5	26.551	3000.	2.682	34.916	247.2	2.438
5.	26.551	36.257	197.1	26.550	3050.	2.674	34.917	250.2	2.425
10.	26.554	36.257	200.0	26.552	3100.	2.645	34.916	248.9	2.392
20.	26.557	36.257	203.0	26.552	3150.	2.629	34.916	250.9	2.371
30.	26.557	36.257	204.1	26.551	3200.	2.615	34.915	250.6	2.352
40.	26.543	36.256	205.1	26.534	3250.	2.600	34.914	251.3	2.332
50.	25.962	36.245	204.9	25.951	3300.	2.586	34.913	251.8	2.312
100.	21.528	36.201	164.1	21.508	3350.	2.575	34.913	251.8	2.297
150.	13.686	35.355	113.2	13.665	3400.	2.567	34.914	254.0	2.283
200.	12.093	35.149	129.5	12.067	3450.	2.547	34.912	253.8	2.259
250.	11.462	35.077	123.6	11.430	3500.	2.526	34.911	254.6	2.233
300.	10.410	34.949	117.2	10.374	3550.	2.512	34.911	255.8	2.214
350.	9.393	34.843	93.4	9.353	3600.	2.493	34.910	256.8	2.190
400.	8.580	34.768	82.9	8.537	3650.	2.467	34.908	257.1	2.159
450.	7.775	34.687	91.7	7.730	3700.	2.418	34.904	257.3	2.106
500.	7.079	34.622	104.1	7.032	3750.	2.386	34.900	257.5	2.070
550.	6.423	34.560	124.3	6.373	3800.	2.315	34.893	257.0	1.994
600.	6.006	34.532	136.8	5.953	3850.	2.259	34.888	256.2	1.935
650.	5.629	34.509	138.3	5.574	3900.	2.192	34.880	255.1	1.863
700.	5.352	34.492	141.0	5.293	3950.	2.084	34.869	253.3	1.753
750.	5.019	34.474	147.8	4.958	4000.	1.985	34.858	251.4	1.651
800.	4.770	34.474	150.6	4.706	4050.	1.854	34.844	249.4	1.518
850.	4.600	34.483	150.6	4.532	4100.	1.759	34.834	246.9	1.421
900.	4.403	34.504	154.9	4.333	4150.	1.570	34.811	243.2	1.232
950.	4.263	34.534	158.9	4.189	4200.	1.410	34.795	239.8	1.071
1000.	4.197	34.583	163.2	4.120	4250.	1.303	34.783	236.7	0.961
1050.	4.211	34.638	166.7	4.129	4300.	1.156	34.767	234.0	0.814
1100.	4.222	34.682	170.2	4.135	4350.	1.095	34.760	231.9	0.749
1150.	4.270	34.744	176.1	4.179	4400.	1.038	34.753	230.6	0.688
1200.	4.314	34.802	183.8	4.218	4450.	1.010	34.750	230.0	0.655
1250.	4.335	34.841	191.7	4.234	4500.	0.940	34.742	228.7	0.582
1300.	4.339	34.872	198.3	4.233	4550.	0.894	34.737	227.7	0.532
1350.	4.326	34.899	206.2	4.216	4600.	0.859	34.732	227.1	0.492
1400.	4.277	34.924	214.0	4.163	4650.	0.820	34.727	226.3	0.449
1450.	4.229	34.941	221.3	4.111	4700.	0.786	34.723	225.6	0.410
1500.	4.169	34.952	226.4	4.047	4750.	0.765	34.722	225.1	0.384
1550.	4.094	34.963	232.6	3.968	4800.	0.749	34.720	224.9	0.363
1600.	4.004	34.974	239.4	3.874	4850.	0.738	34.717	224.5	0.347
1650.	3.924	34.976	242.9	3.791	4900.	0.735	34.716	224.7	0.338
1700.	3.830	34.975	245.7	3.693	4950.	0.730	34.714	224.5	0.327
1750.	3.789	34.976	248.2	3.648	5000.	0.722	34.712	224.3	0.314
1800.	3.727	34.975	249.6	3.582	5050.	0.722	34.711	224.2	0.308
1850.	3.685	34.974	249.2	3.537	5100.	0.722	34.711	224.1	0.302
1900.	3.623	34.970	249.6	3.470	5150.	0.726	34.710	224.0	0.300
1950.	3.569	34.969	250.9	3.413	5200.	0.728	34.710	224.4	0.296
2000.	3.500	34.964	250.2	3.340	5250.	0.724	34.709	224.3	0.286
2050.	3.456	34.964	250.7	3.292	5300.	0.727	34.710	224.4	0.283
2100.	3.367	34.956	250.9	3.199	5350.	0.730	34.709	224.6	0.279
2150.	3.310	34.954	248.8	3.138	5400.	0.734	34.708	224.5	0.278
2200.	3.290	34.956	251.2	3.114	5450.	0.733	34.707	224.5	0.270
2250.	3.216	34.950	249.4	3.036	5500.	0.728	34.706	224.6	0.259
2300.	3.168	34.946	249.2	2.984	5550.	0.724	34.705	224.6	0.249
2350.	3.137	34.947	250.1	2.949	5600.	0.729	34.706	224.6	0.248
2400.	3.090	34.944	250.1	2.898	5650.	0.733	34.705	224.6	0.246
2450.	3.044	34.938	250.2	2.848	5700.	0.738	34.704	224.8	0.244
2500.	2.993	34.937	249.8	2.793	5746.	0.743	34.705	223.2	0.244
2550.	2.923	34.933	248.4	2.720					
2600.	2.880	34.929	247.7	2.672					
2650.	2.853	34.928	248.0	2.641					
2700.	2.815	34.925	247.7	2.599					
2750.	2.791	34.925	247.9	2.570					
2800.	2.766	34.923	248.5	2.541					



Station 70

Station : 71 Campagne : CITHER1
 Date : 20-01-93 Navire : L'ATALANTE
 Profondeur: 5413 m Organisme : IFREMER
 Position : S 4 30.03
 W 25 50.06

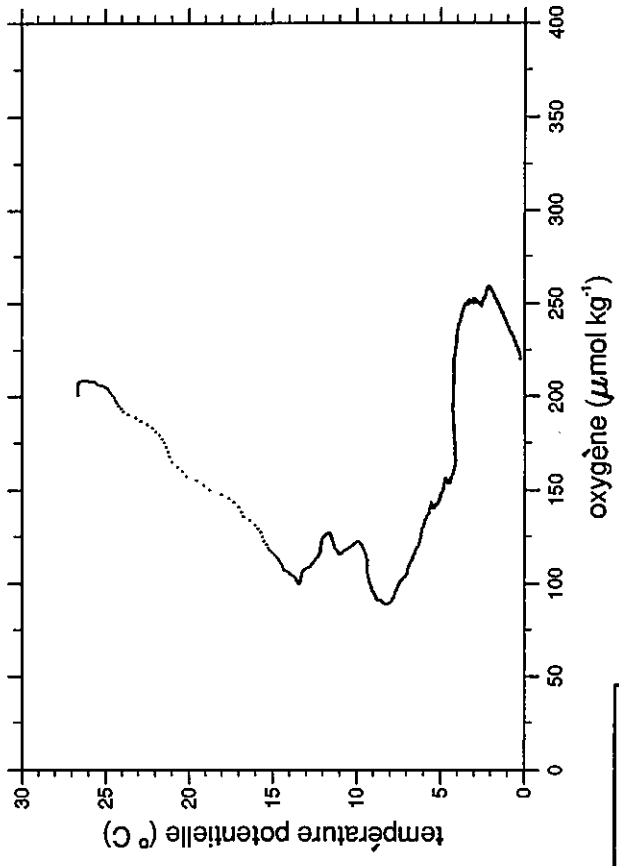
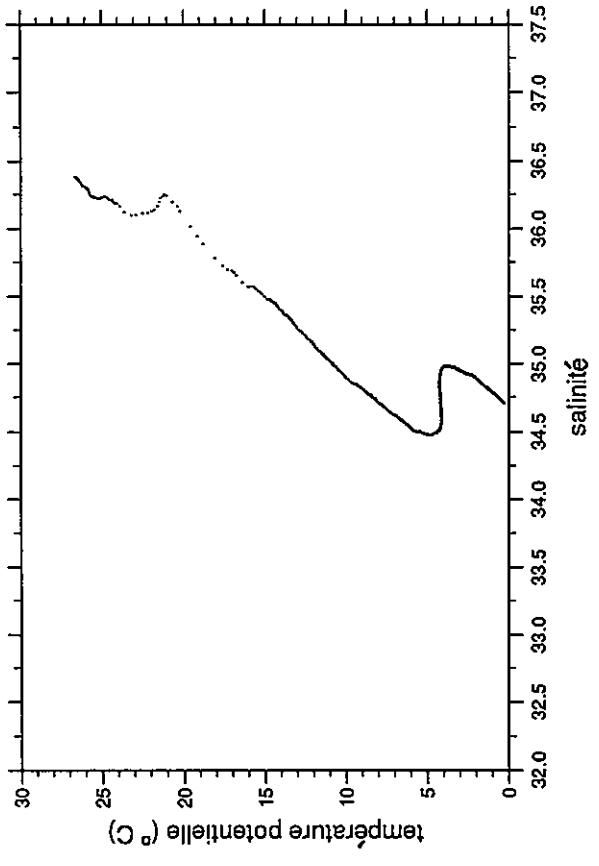
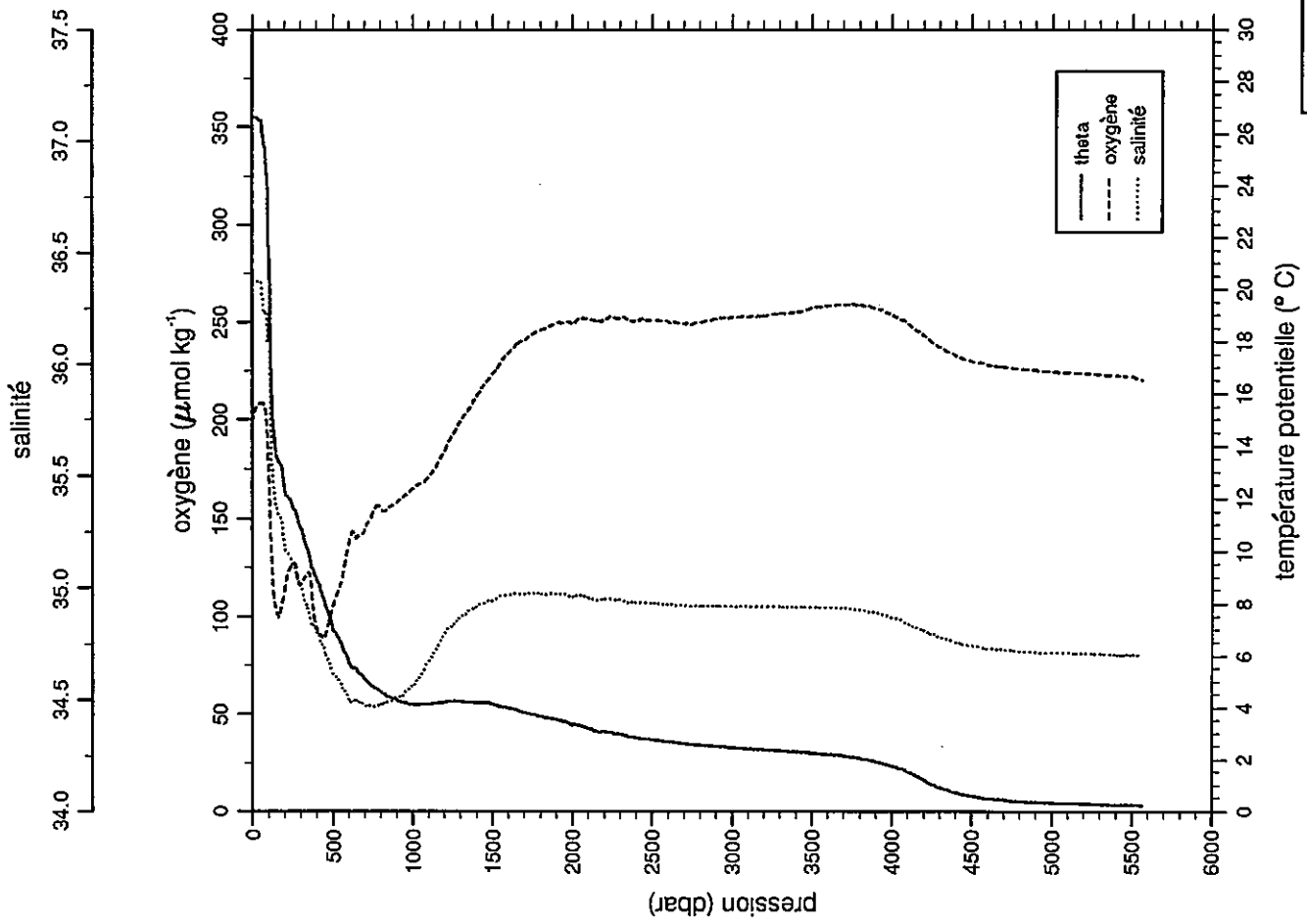
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/Kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.776	36.363	200.1	26.776	2850.	2.727	34.919	247.8	2.498
2.	26.784	36.364	199.0	26.783	2900.	2.704	34.918	249.2	2.470
3.	26.783	36.364	199.1	26.782	2950.	2.680	34.916	249.0	2.441
4.	26.783	36.364	199.5	26.782	3000.	2.667	34.917	249.5	2.423
5.	26.783	36.364	199.7	26.782	3050.	2.651	34.916	249.1	2.403
10.	26.769	36.363	201.5	26.767	3100.	2.628	34.913	249.0	2.375
20.	26.639	36.361	204.2	26.635	3150.	2.626	34.915	250.4	2.368
30.	26.619	36.363	205.8	26.612	3200.	2.615	34.916	251.3	2.352
40.	26.610	36.365	206.8	26.601	3250.	2.598	34.913	251.4	2.330
50.	26.592	36.367	207.8	26.580	3300.	2.587	34.915	252.4	2.314
100.	19.577	36.092	156.4	19.558	3350.	2.578	34.915	254.1	2.300
150.	13.894	35.390	104.1	13.873	3400.	2.573	34.915	254.4	2.290
200.	12.265	35.175	117.9	12.239	3450.	2.559	34.914	255.5	2.270
250.	11.760	35.109	131.2	11.728	3500.	2.543	34.914	256.1	2.249
300.	10.664	34.978	124.0	10.628	3550.	2.516	34.912	256.6	2.218
350.	9.686	34.868	121.6	9.646	3600.	2.488	34.910	256.3	2.185
400.	8.598	34.768	93.6	8.556	3650.	2.450	34.906	256.6	2.142
450.	7.837	34.690	92.5	7.791	3700.	2.419	34.903	255.9	2.106
500.	6.940	34.609	112.1	6.892	3750.	2.370	34.899	255.7	2.054
550.	6.524	34.574	119.5	6.474	3800.	2.305	34.892	255.4	1.985
600.	6.037	34.534	127.5	5.984	3850.	2.236	34.887	254.7	1.912
650.	5.505	34.501	137.6	5.450	3900.	2.148	34.877	253.8	1.821
700.	5.041	34.467	153.0	4.984	3950.	2.073	34.868	252.1	1.742
750.	4.757	34.466	161.9	4.697	4000.	1.973	34.856	250.2	1.640
800.	4.642	34.476	159.6	4.579	4050.	1.870	34.846	248.9	1.534
850.	4.523	34.481	161.7	4.456	4100.	1.748	34.833	246.9	1.410
900.	4.370	34.504	161.2	4.300	4150.	1.637	34.819	244.3	1.297
950.	4.275	34.533	160.5	4.202	4200.	1.470	34.801	241.0	1.129
1000.	4.212	34.576	163.3	4.134	4250.	1.392	34.793	238.5	1.047
1050.	4.214	34.627	166.7	4.132	4300.	1.298	34.783	236.8	0.951
1100.	4.231	34.680	170.9	4.145	4350.	1.179	34.770	234.9	0.830
1150.	4.286	34.761	178.2	4.194	4400.	1.109	34.762	233.0	0.757
1200.	4.321	34.811	187.2	4.225	4450.	1.029	34.752	231.4	0.674
1250.	4.336	34.843	193.7	4.235	4500.	0.969	34.745	230.0	0.610
1300.	4.337	34.876	200.1	4.232	4550.	0.916	34.738	229.0	0.553
1350.	4.335	34.903	207.9	4.225	4600.	0.876	34.734	228.1	0.509
1400.	4.300	34.929	215.2	4.186	4650.	0.852	34.731	227.4	0.480
1450.	4.236	34.945	222.2	4.118	4700.	0.827	34.727	226.9	0.450
1500.	4.166	34.963	229.4	4.044	4750.	0.797	34.724	226.1	0.415
1550.	4.097	34.971	235.3	3.971	4800.	0.785	34.722	225.6	0.398
1600.	4.034	34.974	238.9	3.904	4850.	0.774	34.720	225.2	0.382
1650.	3.969	34.978	243.3	3.835	4900.	0.754	34.718	224.6	0.356
1700.	3.870	34.978	246.1	3.733	4950.	0.741	34.715	224.0	0.338
1750.	3.837	34.981	248.4	3.695	5000.	0.732	34.714	223.2	0.324
1800.	3.776	34.979	249.3	3.631	5050.	0.728	34.713	223.0	0.313
1850.	3.725	34.975	249.4	3.576	5100.	0.723	34.711	222.7	0.303
1900.	3.693	34.975	250.6	3.540	5150.	0.721	34.711	222.5	0.295
1950.	3.605	34.968	249.7	3.448	5200.	0.717	34.709	222.3	0.286
2000.	3.541	34.966	249.8	3.380	5250.	0.714	34.708	222.0	0.276
2050.	3.499	34.967	251.5	3.335	5300.	0.711	34.707	221.7	0.267
2100.	3.413	34.962	251.8	3.244	5350.	0.712	34.707	221.5	0.262
2150.	3.363	34.960	251.4	3.191	5400.	0.711	34.706	221.3	0.256
2200.	3.331	34.960	252.5	3.154	5450.	0.714	34.706	220.0	0.252
2250.	3.266	34.956	253.1	3.086	5453.	0.714	34.706	219.8	0.252
2300.	3.200	34.952	253.0	3.016					
2350.	3.113	34.948	252.2	2.926					
2400.	3.067	34.945	252.0	2.875					
2450.	3.022	34.941	251.9	2.826					
2500.	2.957	34.935	250.9	2.758					
2550.	2.910	34.934	250.9	2.707					
2600.	2.859	34.927	249.8	2.651					
2650.	2.819	34.926	249.2	2.607					
2700.	2.800	34.924	248.8	2.584					
2750.	2.782	34.925	249.4	2.561					
2800.	2.746	34.920	249.2	2.521					



Station 71

Station : 72 Campagne : CITHER1
 Date : 20-01-93 Navire : L'ATALANTE
 Profondeur: 5529 m Organisme : IPREMER
 Position : S 4 29.95
 W 26 29.94

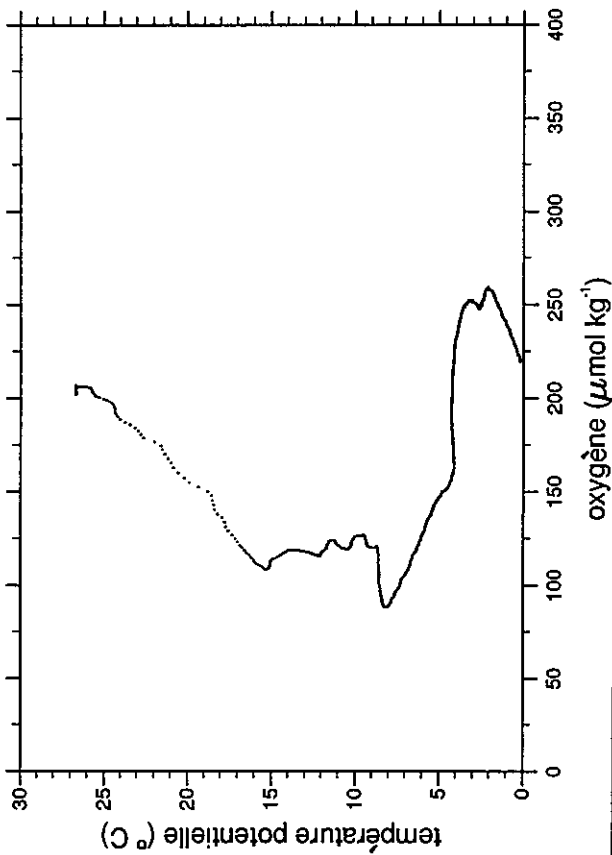
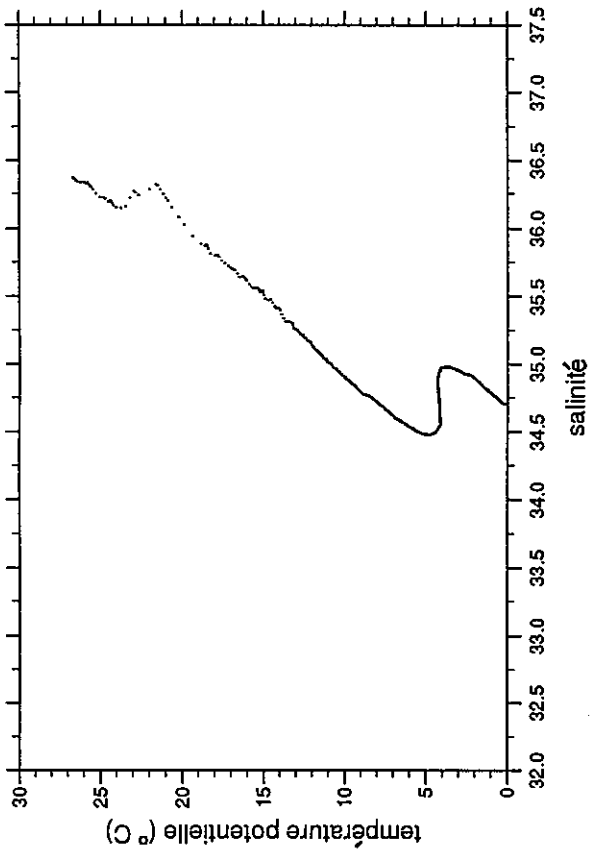
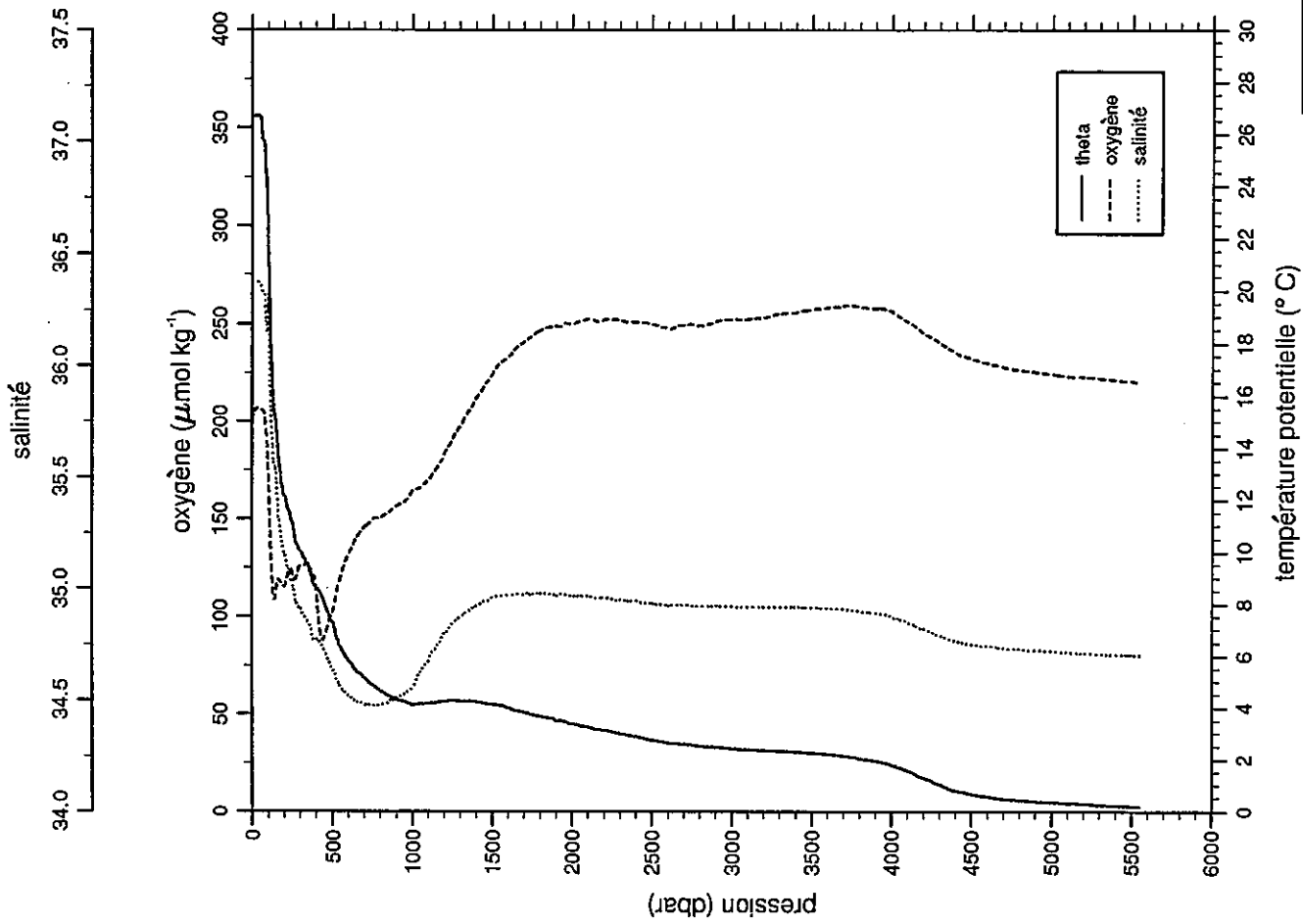
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.632	36.376	202.5	26.631	2850.	2.752	34.923	250.7	2.522
2.	26.632	36.376	200.5	26.631	2900.	2.732	34.923	251.6	2.498
3.	26.629	36.376	200.5	26.628	2950.	2.711	34.922	252.0	2.472
4.	26.630	36.376	200.9	26.629	3000.	2.698	34.923	252.4	2.453
5.	26.631	36.376	201.6	26.630	3050.	2.679	34.922	252.6	2.430
10.	26.633	36.376	203.4	26.630	3100.	2.659	34.919	252.4	2.405
20.	26.624	36.375	206.0	26.620	3150.	2.642	34.919	252.6	2.383
30.	26.619	36.374	207.5	26.612	3200.	2.629	34.918	253.1	2.366
40.	26.537	36.372	208.3	26.528	3250.	2.622	34.919	253.7	2.353
50.	26.515	36.369	208.4	26.504	3300.	2.613	34.918	254.2	2.339
100.	21.601	36.167	177.4	21.581	3350.	2.595	34.917	254.1	2.317
150.	13.626	35.357	102.7	13.605	3400.	2.582	34.917	255.2	2.299
200.	12.377	35.185	113.7	12.350	3450.	2.572	34.917	255.6	2.283
250.	11.728	35.103	126.7	11.696	3500.	2.546	34.916	256.9	2.253
300.	10.907	35.006	116.2	10.871	3550.	2.529	34.915	257.6	2.230
350.	9.958	34.893	122.4	9.918	3600.	2.511	34.914	258.1	2.207
400.	8.953	34.806	94.0	8.909	3650.	2.491	34.913	258.6	2.182
450.	8.147	34.726	89.2	8.101	3700.	2.467	34.910	258.9	2.153
500.	7.084	34.618	104.6	7.036	3750.	2.419	34.906	259.1	2.101
550.	6.553	34.577	116.8	6.502	3800.	2.376	34.902	258.7	2.054
600.	5.783	34.499	137.0	5.731	3850.	2.317	34.896	258.2	1.991
650.	5.505	34.497	140.0	5.449	3900.	2.257	34.889	256.9	1.927
700.	5.159	34.481	144.0	5.102	3950.	2.162	34.878	255.3	1.828
750.	4.869	34.472	152.6	4.809	4000.	2.074	34.869	253.6	1.738
800.	4.691	34.482	155.0	4.628	4050.	1.988	34.859	251.5	1.649
850.	4.485	34.492	155.3	4.418	4100.	1.850	34.842	249.3	1.509
900.	4.369	34.505	157.9	4.299	4150.	1.712	34.828	246.1	1.370
950.	4.263	34.534	161.4	4.190	4200.	1.564	34.811	243.1	1.221
1000.	4.198	34.564	164.8	4.121	4250.	1.392	34.795	239.6	1.048
1050.	4.207	34.614	167.8	4.125	4300.	1.281	34.782	236.9	0.935
1100.	4.229	34.674	170.9	4.142	4350.	1.182	34.772	234.9	0.833
1150.	4.271	34.737	176.7	4.180	4400.	1.063	34.759	232.9	0.712
1200.	4.308	34.797	184.0	4.212	4450.	0.990	34.751	231.1	0.636
1250.	4.351	34.841	192.2	4.250	4500.	0.946	34.746	229.8	0.588
1300.	4.345	34.874	199.3	4.239	4550.	0.867	34.738	228.9	0.525
1350.	4.332	34.898	205.2	4.222	4600.	0.848	34.734	227.8	0.482
1400.	4.300	34.919	211.7	4.186	4650.	0.837	34.732	227.4	0.466
1450.	4.307	34.938	218.1	4.188	4700.	0.817	34.730	226.8	0.440
1500.	4.252	34.950	223.4	4.129	4750.	0.783	34.725	226.3	0.402
1550.	4.179	34.968	229.4	4.052	4800.	0.770	34.722	225.7	0.384
1600.	4.133	34.973	234.2	4.002	4850.	0.765	34.721	225.5	0.373
1650.	4.058	34.978	238.3	3.923	4900.	0.749	34.718	225.3	0.352
1700.	3.956	34.977	240.9	3.818	4950.	0.738	34.716	224.7	0.335
1750.	3.883	34.977	243.9	3.742	5000.	0.737	34.716	224.4	0.328
1800.	3.805	34.978	246.0	3.659	5050.	0.739	34.716	224.2	0.325
1850.	3.747	34.977	247.4	3.597	5100.	0.737	34.716	224.0	0.317
1900.	3.700	34.978	249.3	3.547	5150.	0.734	34.715	223.8	0.308
1950.	3.606	34.973	250.0	3.449	5200.	0.727	34.714	223.5	0.295
2000.	3.497	34.964	249.1	3.337	5250.	0.713	34.712	223.5	0.275
2050.	3.468	34.969	252.0	3.303	5300.	0.706	34.710	223.0	0.263
2100.	3.372	34.960	251.3	3.204	5350.	0.703	34.707	222.8	0.254
2150.	3.277	34.951	250.3	3.106	5400.	0.698	34.705	222.6	0.243
2200.	3.281	34.957	251.2	3.105	5450.	0.700	34.706	222.2	0.239
2250.	3.228	34.954	252.6	3.048	5500.	0.703	34.705	222.1	0.235
2300.	3.175	34.951	252.1	2.991	5550.	0.706	34.705	220.7	0.232
2350.	3.077	34.940	251.0	2.890	5565.	0.705	34.704	220.1	0.229
2400.	3.044	34.939	250.3	2.853					
2450.	3.002	34.939	251.4	2.807					
2500.	2.963	34.936	250.9	2.764					
2550.	2.929	34.934	250.6	2.725					
2600.	2.886	34.930	250.1	2.678					
2650.	2.846	34.927	249.6	2.634					
2700.	2.805	34.924	249.2	2.589					
2750.	2.781	34.924	248.8	2.561					
2800.	2.764	34.923	249.9	2.539					



Station 72

Station : 73	Campagne : CITHER1
Date : 21-01-93	Navire : L'ATALANTE
Profondeur: 5518 m	Organisme : IFREMER
Position : S 4 30.02	
W 27 10.11	

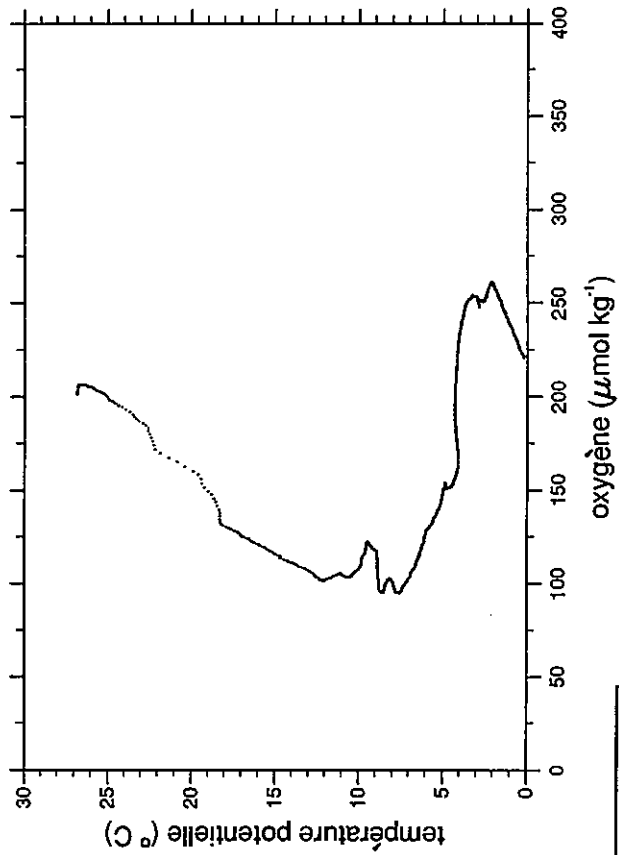
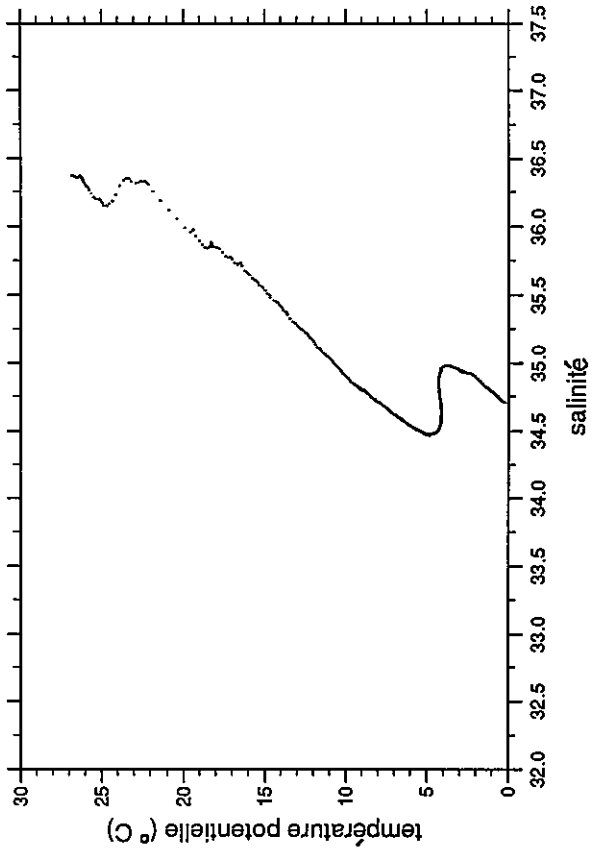
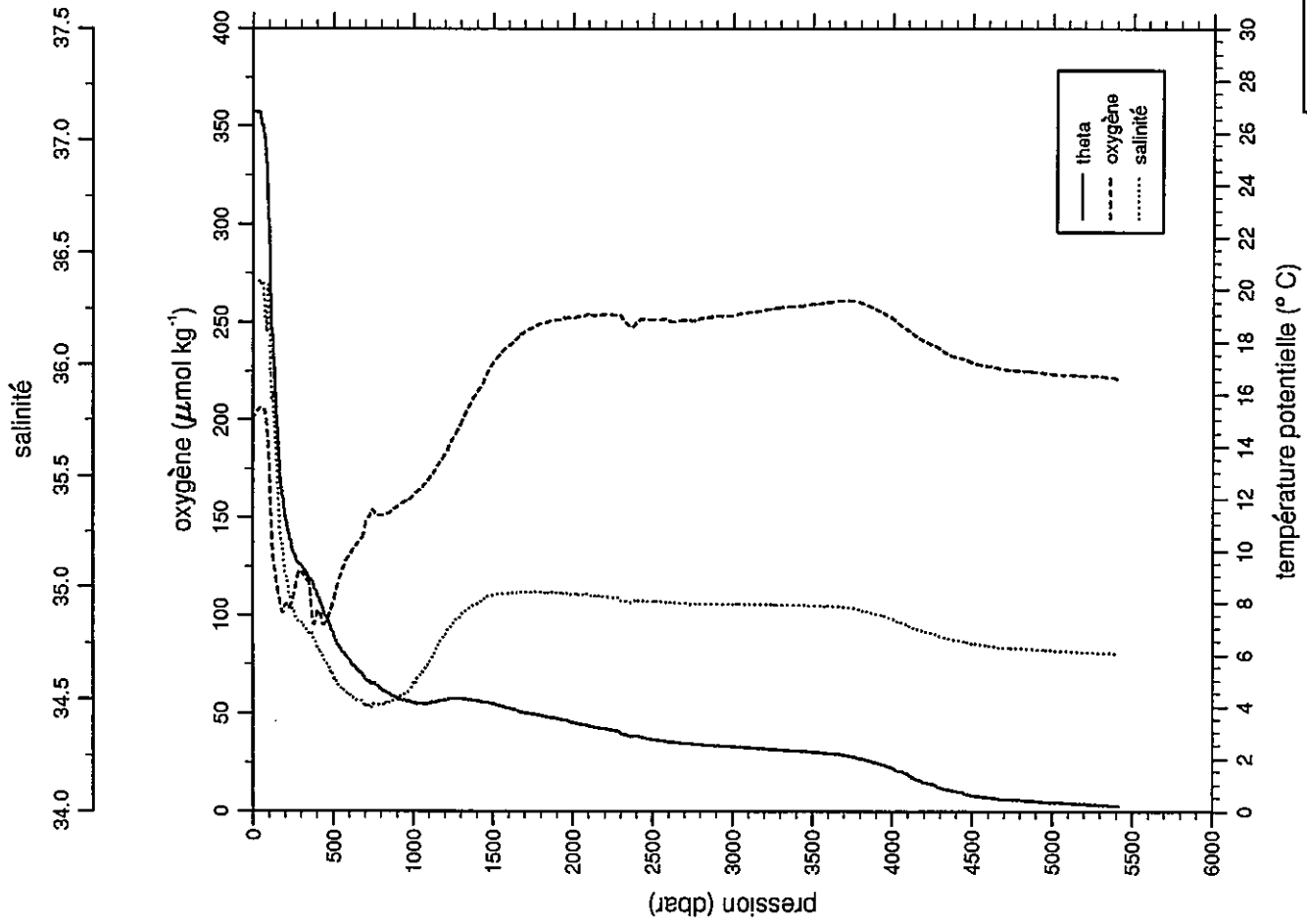
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.683	36.374	203.6	26.683	2850.	2.728	34.923	249.8	2.498
2.	26.677	36.374	201.9	26.677	2900.	2.712	34.924	251.3	2.478
3.	26.678	36.374	202.7	26.677	2950.	2.695	34.923	252.0	2.456
4.	26.680	36.374	203.0	26.679	3000.	2.674	34.922	252.2	2.430
5.	26.682	36.374	203.2	26.680	3050.	2.651	34.920	252.1	2.403
10.	26.686	36.374	204.5	26.684	3100.	2.644	34.920	252.2	2.391
20.	26.688	36.374	206.4	26.684	3150.	2.633	34.919	253.1	2.375
30.	26.692	36.374	206.9	26.685	3200.	2.621	34.918	253.0	2.358
40.	26.691	36.373	206.7	26.682	3250.	2.618	34.920	254.4	2.350
50.	26.681	36.369	206.2	26.670	3300.	2.605	34.919	255.2	2.331
100.	21.524	36.313	172.3	21.504	3350.	2.595	34.918	255.6	2.316
150.	14.897	35.477	114.1	14.874	3400.	2.586	34.918	255.8	2.302
200.	12.146	35.161	115.5	12.120	3450.	2.572	34.917	256.6	2.283
250.	11.172	35.038	122.2	11.140	3500.	2.553	34.916	257.3	2.259
300.	10.065	34.909	126.2	10.030	3550.	2.541	34.915	257.8	2.242
350.	9.497	34.847	126.5	9.458	3600.	2.519	34.914	258.2	2.215
400.	8.641	34.773	112.3	8.598	3650.	2.491	34.912	258.7	2.183
450.	8.061	34.718	89.2	8.015	3700.	2.460	34.909	259.0	2.147
500.	7.318	34.646	102.3	7.270	3750.	2.422	34.905	259.4	2.104
550.	6.368	34.562	119.7	6.318	3800.	2.363	34.900	258.7	2.041
600.	5.853	34.520	131.8	5.801	3850.	2.319	34.895	258.1	1.992
650.	5.442	34.493	140.3	5.387	3900.	2.278	34.892	257.6	1.947
700.	5.175	34.481	145.6	5.117	3950.	2.217	34.885	257.5	1.882
750.	4.913	34.477	149.2	4.852	4000.	2.123	34.874	256.3	1.785
800.	4.705	34.480	150.7	4.641	4050.	2.020	34.862	253.4	1.680
850.	4.509	34.492	153.2	4.442	4100.	1.908	34.850	250.9	1.565
900.	4.367	34.508	156.5	4.297	4150.	1.765	34.833	248.2	1.421
950.	4.301	34.526	158.8	4.227	4200.	1.647	34.820	244.7	1.301
1000.	4.177	34.556	163.9	4.100	4250.	1.537	34.808	242.7	1.189
1050.	4.228	34.627	165.7	4.146	4300.	1.387	34.792	240.1	1.037
1100.	4.227	34.675	169.6	4.140	4350.	1.243	34.776	237.6	0.892
1150.	4.271	34.740	175.7	4.179	4400.	1.144	34.766	235.0	0.791
1200.	4.349	34.802	183.3	4.252	4450.	1.100	34.761	233.4	0.742
1250.	4.368	34.845	190.7	4.267	4500.	1.020	34.752	232.0	0.659
1300.	4.355	34.869	197.7	4.250	4550.	0.956	34.746	230.6	0.592
1350.	4.355	34.902	205.1	4.245	4600.	0.930	34.743	229.6	0.562
1400.	4.329	34.925	212.1	4.215	4650.	0.880	34.737	228.7	0.507
1450.	4.273	34.943	218.3	4.154	4700.	0.848	34.733	227.7	0.471
1500.	4.235	34.961	224.4	4.112	4750.	0.817	34.730	226.9	0.434
1550.	4.208	34.967	229.9	4.081	4800.	0.811	34.728	226.4	0.423
1600.	4.110	34.969	233.2	3.979	4850.	0.797	34.726	225.8	0.403
1650.	4.014	34.975	237.7	3.879	4900.	0.777	34.724	225.4	0.379
1700.	3.941	34.975	240.7	3.803	4950.	0.770	34.722	224.9	0.366
1750.	3.865	34.977	243.8	3.723	5000.	0.758	34.720	224.5	0.349
1800.	3.805	34.978	246.5	3.660	5050.	0.742	34.716	223.8	0.328
1850.	3.755	34.977	248.2	3.606	5100.	0.737	34.714	223.3	0.317
1900.	3.654	34.969	248.8	3.502	5150.	0.736	34.713	223.0	0.310
1950.	3.635	34.973	249.9	3.477	5200.	0.724	34.710	222.9	0.293
2000.	3.536	34.967	250.0	3.376	5250.	0.721	34.710	222.7	0.284
2050.	3.472	34.966	251.4	3.308	5300.	0.688	34.706	222.3	0.246
2100.	3.431	34.966	252.5	3.263	5350.	0.681	34.705	221.8	0.233
2150.	3.351	34.959	251.4	3.179	5400.	0.673	34.704	221.3	0.219
2200.	3.302	34.958	252.0	3.126	5450.	0.671	34.702	220.9	0.211
2250.	3.244	34.955	252.1	3.064	5500.	0.672	34.702	220.7	0.205
2300.	3.188	34.950	251.6	3.004	5548.	0.674	34.702	219.3	0.201
2350.	3.118	34.947	250.7	2.931					
2400.	3.070	34.944	250.9	2.878					
2450.	3.007	34.940	250.5	2.812					
2500.	2.941	34.935	249.7	2.742					
2550.	2.887	34.930	248.6	2.684					
2600.	2.848	34.927	247.7	2.641					
2650.	2.829	34.928	248.7	2.618					
2700.	2.808	34.928	249.3	2.592					
2750.	2.776	34.923	249.6	2.555					
2800.	2.744	34.922	248.8	2.519					



Station 73

Station : 74 Campagne : CITHER1
Date : 21-01-93 Navire : L'ATALANTE
Profondeur: 5384 m Organisme : IPREMER
Position : S 4 29.95
 W 27 50.04

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.829	36.372	202.1	26.829	2850.	2.746	34.925	252.3	2.516
2.	26.836	36.372	201.2	26.836	2900.	2.732	34.924	253.0	2.497
3.	26.836	36.372	201.5	26.836	2950.	2.706	34.922	252.8	2.467
4.	26.836	36.372	201.7	26.835	3000.	2.702	34.923	253.4	2.458
5.	26.834	36.372	201.9	26.833	3050.	2.692	34.923	254.4	2.443
10.	26.822	36.371	202.5	26.820	3100.	2.671	34.922	255.0	2.417
20.	26.800	36.371	204.0	26.796	3150.	2.651	34.922	255.5	2.393
30.	26.797	36.371	205.4	26.790	3200.	2.634	34.922	256.3	2.371
40.	26.791	36.370	206.2	26.782	3250.	2.626	34.920	257.0	2.357
50.	26.452	36.359	206.5	26.441	3300.	2.608	34.920	257.5	2.334
100.	22.343	36.331	176.3	22.323	3350.	2.594	34.920	257.8	2.315
150.	14.849	35.507	114.9	14.826	3400.	2.583	34.918	258.1	2.299
200.	11.299	35.063	104.8	11.274	3450.	2.568	34.918	258.6	2.279
250.	9.913	34.889	109.5	9.884	3500.	2.551	34.917	259.2	2.257
300.	9.469	34.842	122.2	9.436	3550.	2.539	34.916	259.7	2.240
350.	8.958	34.794	115.8	8.920	3600.	2.517	34.915	260.1	2.214
400.	8.308	34.733	101.4	8.267	3650.	2.497	34.914	260.7	2.189
450.	7.525	34.666	95.8	7.480	3700.	2.462	34.911	261.1	2.148
500.	6.857	34.600	107.0	6.810	3750.	2.407	34.906	260.8	2.089
550.	6.230	34.548	121.0	6.180	3800.	2.338	34.898	259.9	2.017
600.	5.844	34.521	130.3	5.792	3850.	2.259	34.889	258.4	1.934
650.	5.453	34.496	136.7	5.398	3900.	2.177	34.880	256.4	1.849
700.	5.115	34.471	146.0	5.058	3950.	2.087	34.870	254.2	1.756
750.	4.938	34.472	153.9	4.877	4000.	1.977	34.858	251.8	1.644
800.	4.722	34.478	151.3	4.658	4050.	1.863	34.845	248.3	1.527
850.	4.552	34.487	152.5	4.485	4100.	1.731	34.831	245.9	1.394
900.	4.397	34.499	155.7	4.327	4150.	1.557	34.812	242.8	1.219
950.	4.301	34.524	158.3	4.227	4200.	1.460	34.802	240.1	1.120
1000.	4.232	34.573	161.2	4.154	4250.	1.398	34.795	238.2	1.054
1050.	4.194	34.611	165.0	4.113	4300.	1.256	34.777	236.1	0.910
1100.	4.206	34.665	170.1	4.120	4350.	1.180	34.770	233.9	0.831
1150.	4.270	34.731	176.0	4.179	4400.	1.113	34.764	232.2	0.760
1200.	4.346	34.789	182.7	4.250	4450.	1.035	34.754	231.4	0.680
1250.	4.395	34.835	190.6	4.294	4500.	0.950	34.746	229.3	0.592
1300.	4.396	34.876	198.2	4.290	4550.	0.929	34.744	228.3	0.566
1350.	4.364	34.906	207.3	4.254	4600.	0.905	34.740	227.7	0.536
1400.	4.326	34.926	214.4	4.212	4650.	0.870	34.734	226.9	0.498
1450.	4.262	34.950	221.7	4.143	4700.	0.835	34.729	225.9	0.458
1500.	4.222	34.966	229.3	4.100	4750.	0.834	34.729	225.5	0.451
1550.	4.148	34.973	234.5	4.021	4800.	0.822	34.726	225.2	0.434
1600.	4.072	34.974	238.0	3.942	4850.	0.807	34.724	225.0	0.413
1650.	3.983	34.977	241.9	3.849	4900.	0.791	34.722	224.6	0.393
1700.	3.912	34.980	245.4	3.774	4950.	0.768	34.719	224.1	0.364
1750.	3.851	34.979	247.4	3.709	5000.	0.757	34.717	223.6	0.347
1800.	3.799	34.979	249.3	3.653	5050.	0.747	34.716	223.3	0.332
1850.	3.744	34.978	250.3	3.594	5100.	0.745	34.715	223.1	0.324
1900.	3.705	34.975	251.2	3.551	5150.	0.725	34.713	222.9	0.299
1950.	3.645	34.974	251.9	3.487	5200.	0.717	34.711	222.7	0.285
2000.	3.547	34.969	252.0	3.386	5250.	0.715	34.711	222.7	0.277
2050.	3.490	34.968	253.2	3.325	5300.	0.694	34.708	222.5	0.251
2100.	3.418	34.964	254.2	3.249	5350.	0.680	34.706	222.2	0.232
2150.	3.366	34.961	253.2	3.193	5400.	0.668	34.704	221.3	0.214
2200.	3.331	34.960	253.7	3.154	5413.	0.665	34.704	220.4	0.210
2250.	3.270	34.955	253.5	3.090					
2300.	3.156	34.941	253.0	2.973					
2350.	3.071	34.932	248.4	2.885					
2400.	3.081	34.943	250.1	2.889					
2450.	2.998	34.937	251.3	2.803					
2500.	2.940	34.935	251.2	2.741					
2550.	2.903	34.933	251.3	2.700					
2600.	2.855	34.928	250.7	2.648					
2650.	2.835	34.929	250.5	2.624					
2700.	2.810	34.928	250.9	2.594					
2750.	2.783	34.926	250.6	2.563					
2800.	2.765	34.926	251.8	2.540					



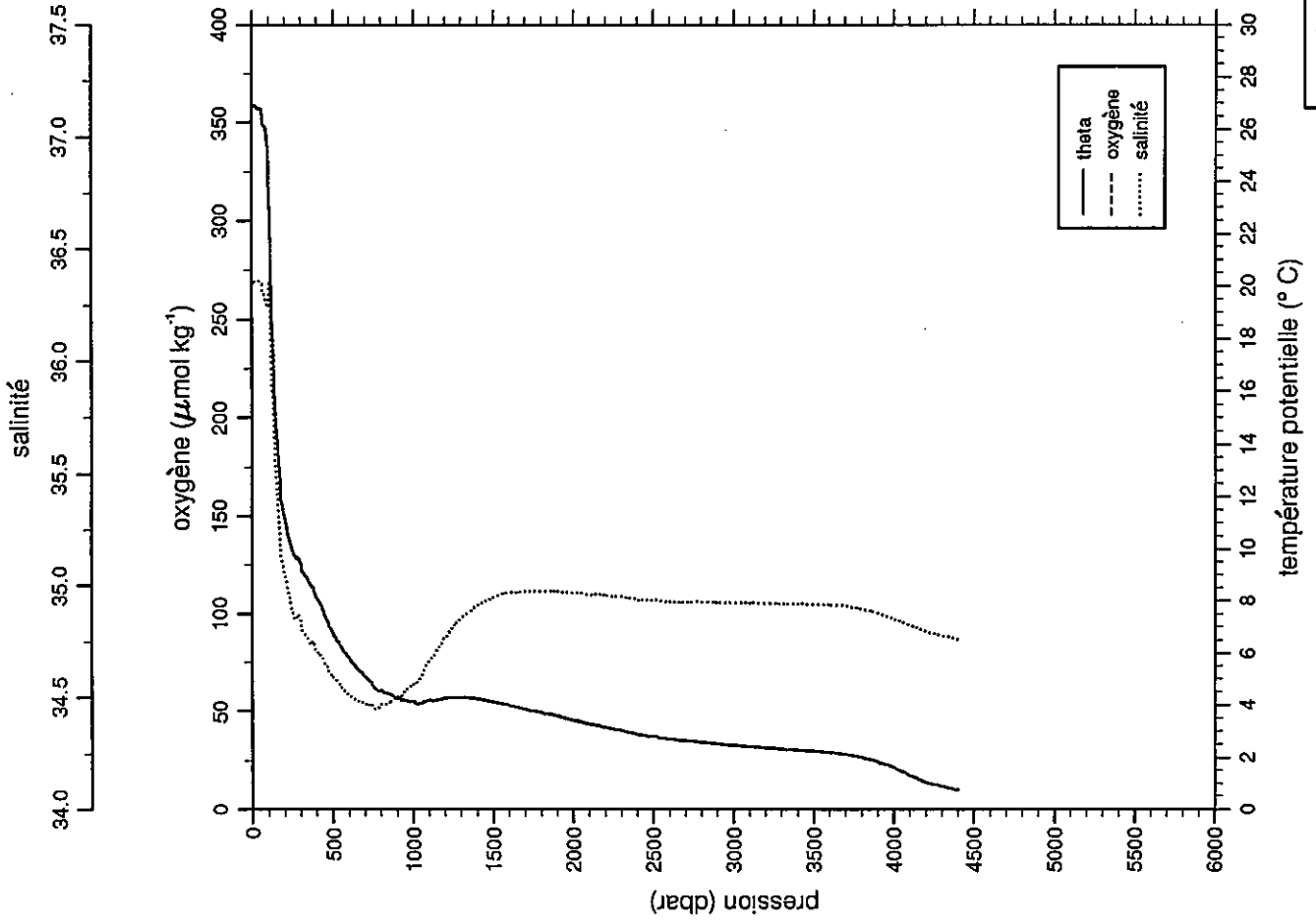
Station 74

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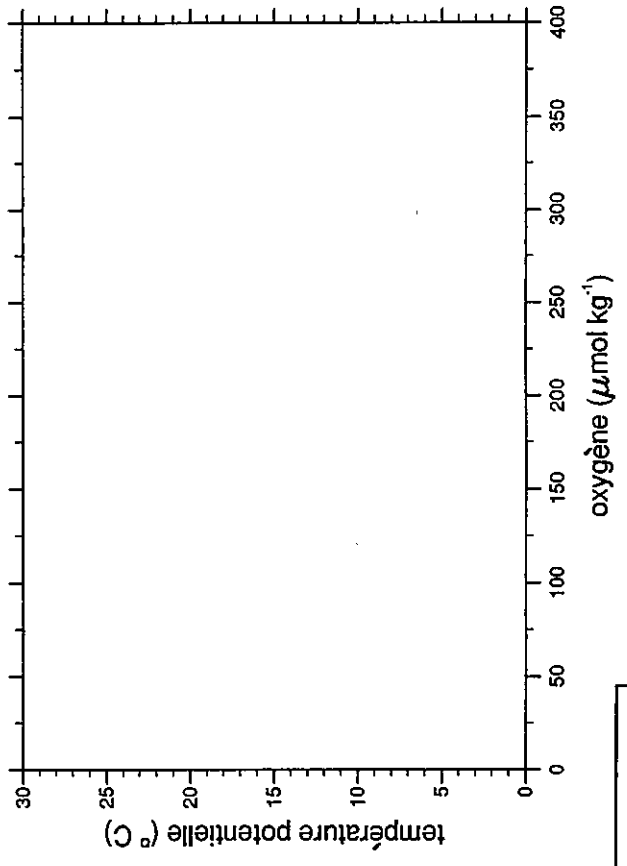
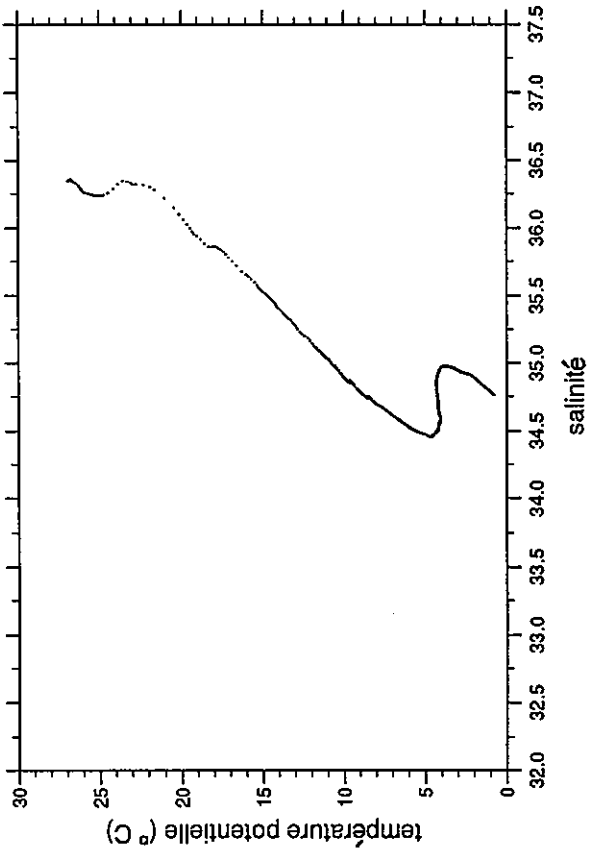
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| Station   : 75           Campagne  : CITHER1
| Date      : 21-01-93    Navire    : L'ATALANTE
| Profondeur: 5428 m      Organisme : IFREMER
| Position  : S  4 30.07
|            W 28 10.02
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PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.917	36.347		26.917	2850.	2.762	34.924		2.531
2.	26.923	36.342		26.922	2900.	2.743	34.924		2.508
3.	26.922	36.344		26.922	2950.	2.707	34.921		2.468
4.	26.921	36.345		26.920	3000.	2.689	34.922		2.445
5.	26.918	36.346		26.917	3050.	2.678	34.922		2.429
10.	26.913	36.350		26.910	3100.	2.657	34.921		2.403
20.	26.901	36.353		26.897	3150.	2.642	34.920		2.384
30.	26.819	36.354		26.813	3200.	2.626	34.919		2.363
40.	26.811	36.355		26.801	3250.	2.612	34.918		2.343
50.	26.800	36.355		26.789	3300.	2.592	34.917		2.319
100.	24.741	36.244		24.720	3350.	2.581	34.917		2.303
150.	14.563	35.484		14.541	3400.	2.568	34.917		2.284
200.	11.184	35.051		11.159	3450.	2.551	34.915		2.263
250.	9.903	34.882		9.874	3500.	2.537	34.915		2.244
300.	9.442	34.845		9.408	3550.	2.523	34.914		2.225
350.	8.741	34.755		8.703	3600.	2.497	34.912		2.193
400.	8.114	34.704		8.073	3650.	2.472	34.911		2.164
450.	7.461	34.651		7.417	3700.	2.441	34.908		2.128
500.	6.807	34.591		6.760	3750.	2.381	34.902		2.064
550.	6.324	34.551		6.275	3800.	2.328	34.897		2.007
600.	5.848	34.512		5.796	3850.	2.244	34.889		1.920
650.	5.449	34.487		5.394	3900.	2.146	34.877		1.819
700.	5.120	34.473		5.063	3950.	2.051	34.866		1.721
750.	4.778	34.454		4.718	4000.	1.936	34.853		1.604
800.	4.614	34.469		4.551	4050.	1.792	34.837		1.458
850.	4.486	34.476		4.420	4100.	1.635	34.821		1.301
900.	4.310	34.497		4.240	4150.	1.512	34.807		1.176
950.	4.241	34.530		4.167	4200.	1.385	34.793		1.047
1000.	4.205	34.559		4.127	4250.	1.303	34.785		0.962
1050.	4.162	34.598		4.081	4300.	1.227	34.776		0.882
1100.	4.269	34.661		4.182	4350.	1.160	34.769		0.812
1150.	4.281	34.715		4.190	4400.	1.094	34.762		0.742
1200.	4.365	34.773		4.269					
1250.	4.376	34.816		4.275					
1300.	4.400	34.855		4.294					
1350.	4.387	34.882		4.276					
1400.	4.350	34.910		4.235					
1450.	4.298	34.929		4.180					
1500.	4.233	34.949		4.110					
1550.	4.165	34.965		4.039					
1600.	4.106	34.970		3.975					
1650.	4.035	34.973		3.900					
1700.	3.961	34.975		3.822					
1750.	3.890	34.977		3.748					
1800.	3.839	34.976		3.693					
1850.	3.791	34.975		3.641					
1900.	3.729	34.976		3.575					
1950.	3.645	34.972		3.488					
2000.	3.572	34.967		3.410					
2050.	3.516	34.967		3.351					
2100.	3.451	34.961		3.282					
2150.	3.404	34.961		3.231					
2200.	3.330	34.957		3.153					
2250.	3.277	34.954		3.096					
2300.	3.226	34.953		3.041					
2350.	3.133	34.945		2.945					
2400.	3.052	34.936		2.861					
2450.	3.028	34.939		2.832					
2500.	2.978	34.936		2.779					
2550.	2.930	34.932		2.726					
2600.	2.875	34.927		2.667					
2650.	2.837	34.925		2.625					
2700.	2.825	34.927		2.609					
2750.	2.809	34.928		2.588					
2800.	2.781	34.925		2.555					

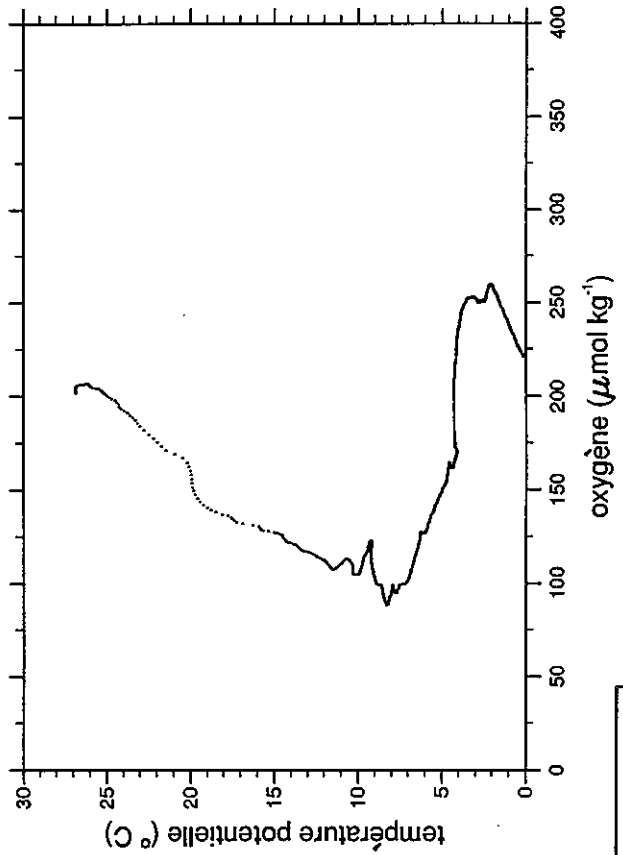
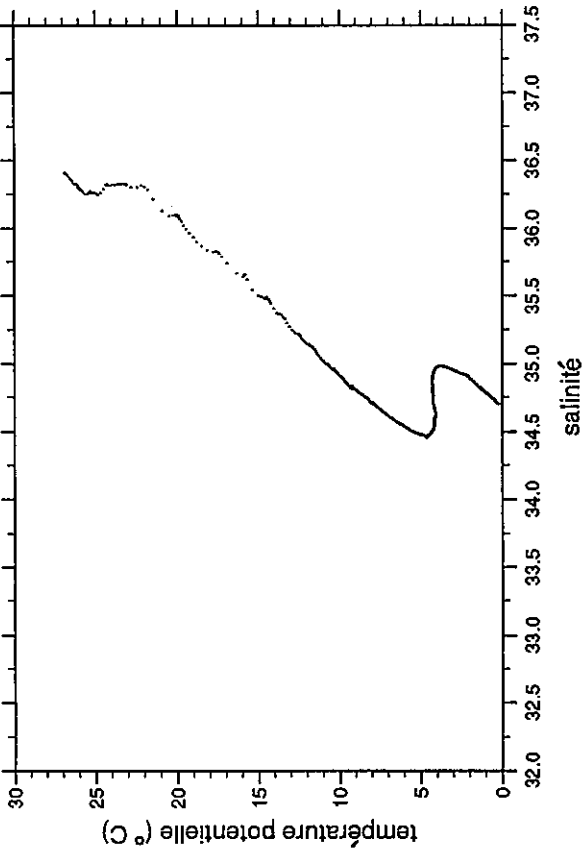
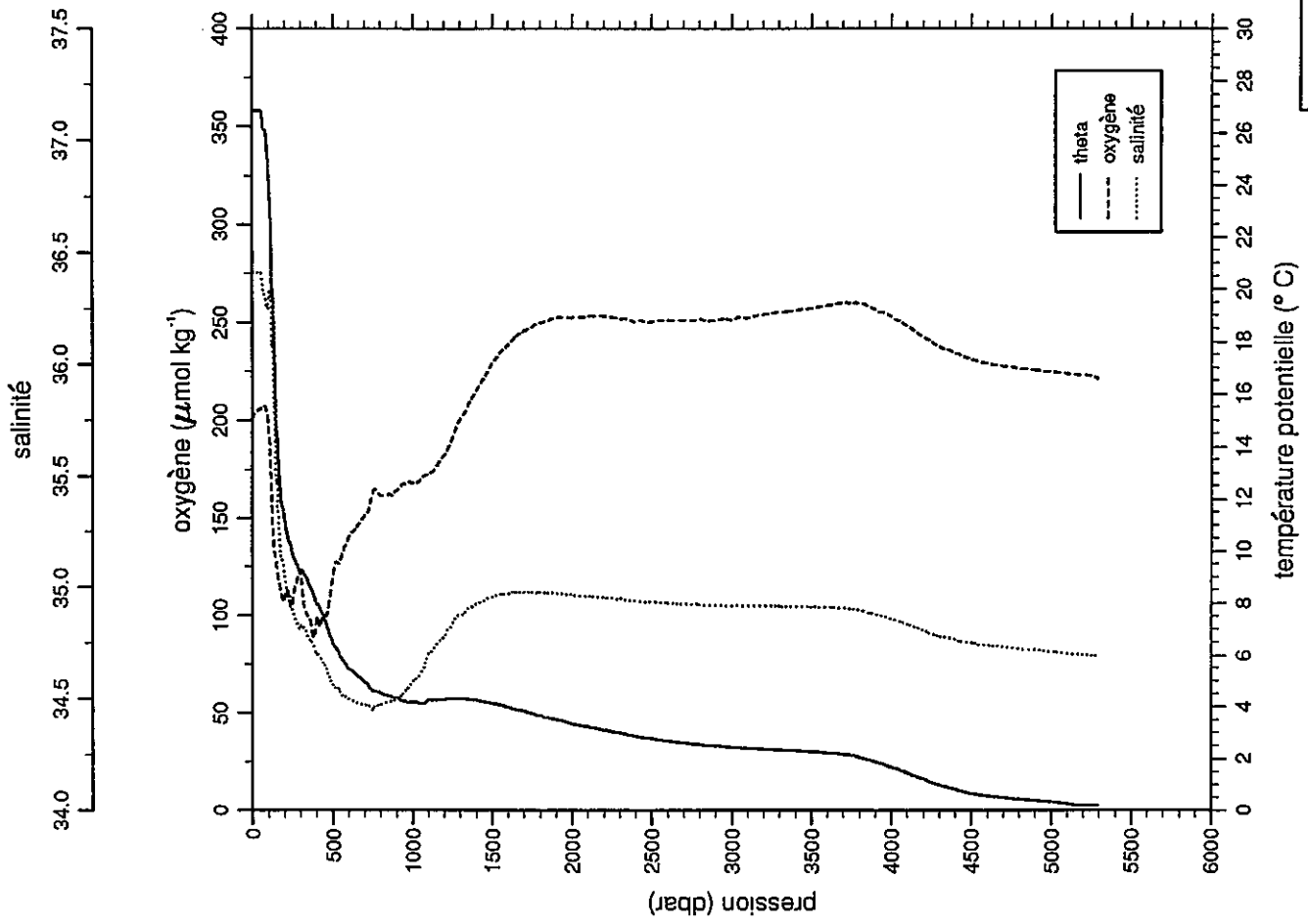


Station 75



Station : 76 Campagne : CITHER1
 Date : 21-01-93 Navire : L'ATALANTE
 Profondeur: 5252 m Organisme : IPREMER
 Position : S 4 30.04
 W 28 30.10

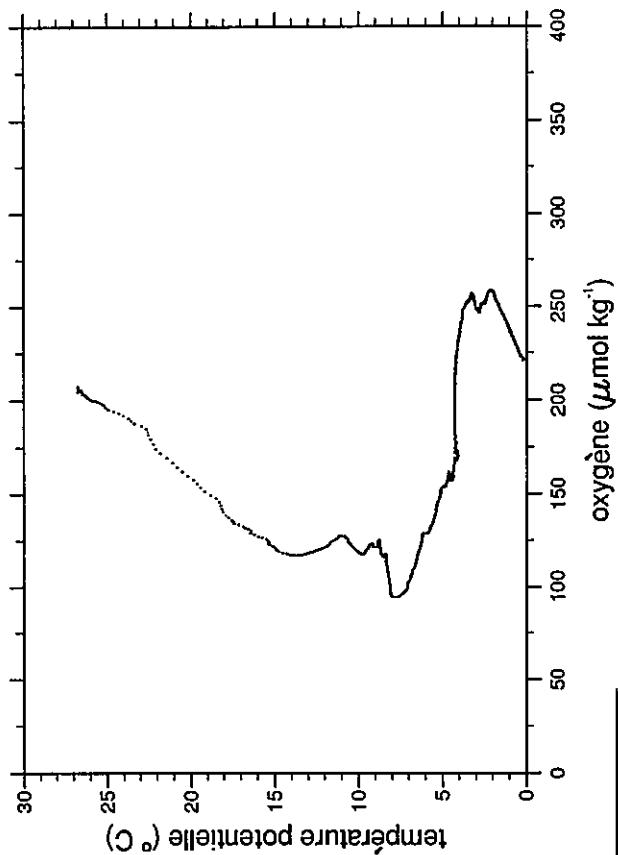
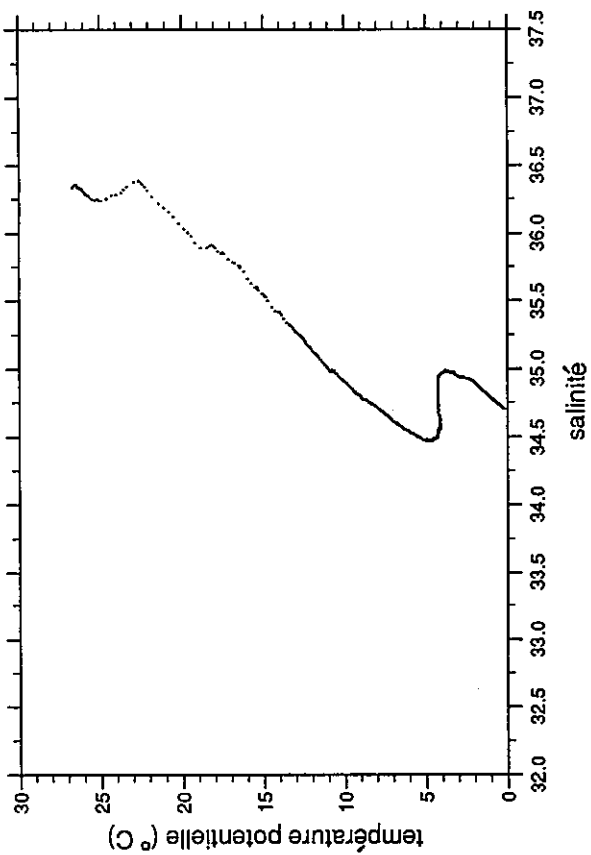
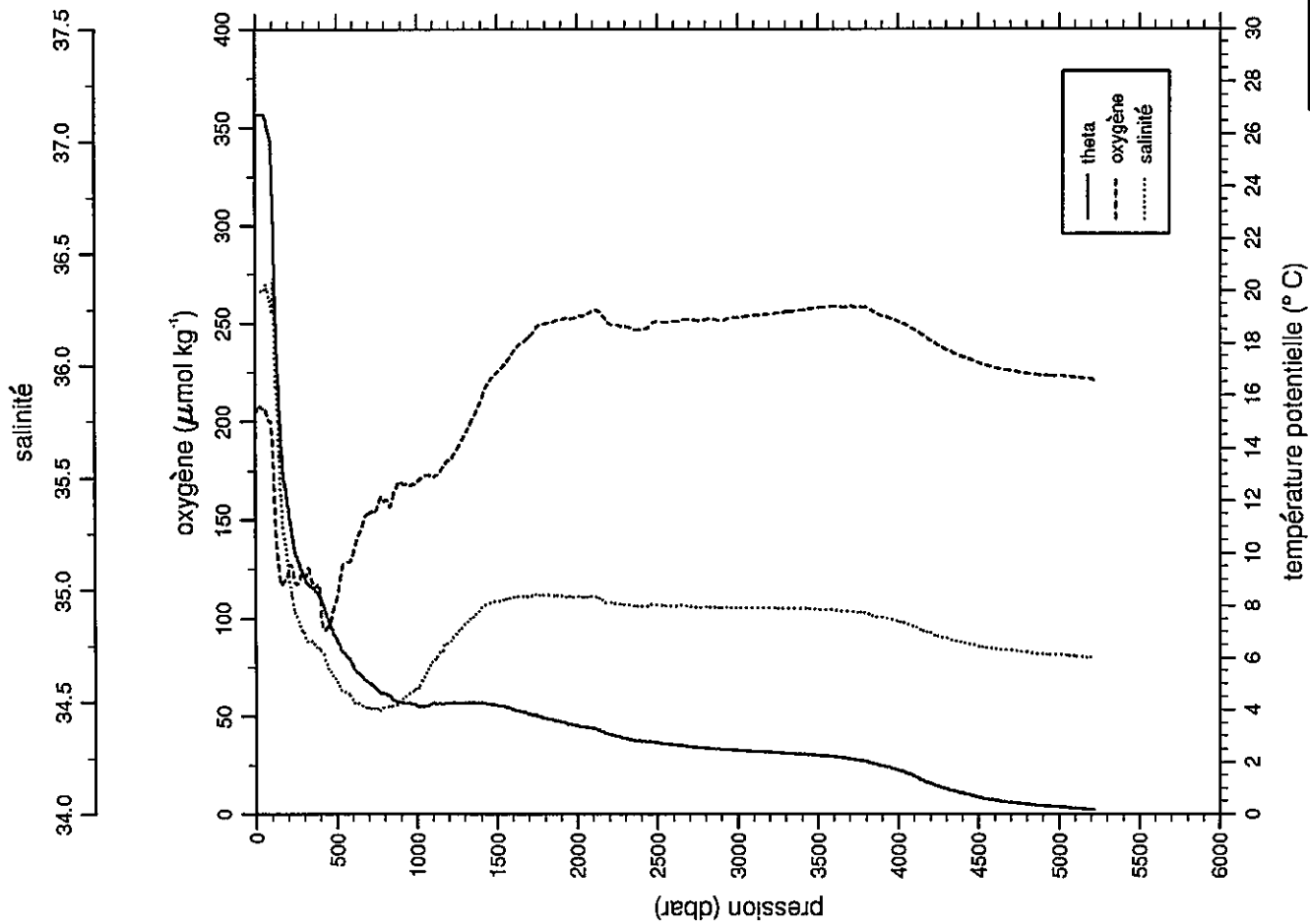
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.868	36.409	202.5	26.868	2850.	2.733	34.923	250.3	2.503
2.	26.868	36.409	201.8	26.868	2900.	2.705	34.921	250.9	2.471
3.	26.867	36.409	201.5	26.867	2950.	2.693	34.921	251.4	2.454
4.	26.864	36.409	201.5	26.863	3000.	2.670	34.919	251.1	2.426
5.	26.863	36.409	202.0	26.862	3050.	2.666	34.921	252.6	2.417
10.	26.872	36.409	203.2	26.870	3100.	2.640	34.919	252.1	2.387
20.	26.874	36.409	204.2	26.869	3150.	2.629	34.919	253.1	2.371
30.	26.875	36.409	204.4	26.868	3200.	2.619	34.918	253.9	2.356
40.	26.870	36.410	205.2	26.861	3250.	2.609	34.919	254.6	2.340
50.	26.861	36.411	205.5	26.850	3300.	2.596	34.918	255.1	2.323
100.	24.401	36.313	196.7	24.379	3350.	2.586	34.917	255.2	2.308
150.	14.534	35.472	125.8	14.511	3400.	2.579	34.917	255.8	2.295
200.	11.244	35.049	108.7	11.219	3450.	2.569	34.916	256.6	2.280
250.	9.880	34.894	106.6	9.851	3500.	2.554	34.916	257.0	2.260
300.	9.233	34.819	121.5	9.199	3550.	2.537	34.915	257.9	2.238
350.	8.768	34.779	99.1	8.730	3600.	2.508	34.913	258.4	2.204
400.	7.970	34.701	98.3	7.929	3650.	2.493	34.912	259.2	2.184
450.	7.407	34.651	99.5	7.363	3700.	2.471	34.910	259.8	2.157
500.	6.466	34.565	119.3	6.420	3750.	2.436	34.907	259.8	2.118
550.	5.970	34.527	128.7	5.922	3800.	2.353	34.899	259.6	2.031
600.	5.505	34.497	140.0	5.455	3850.	2.280	34.890	258.3	1.955
650.	5.249	34.482	145.4	5.196	3900.	2.194	34.880	256.3	1.865
700.	4.994	34.475	151.1	4.937	3950.	2.110	34.872	254.9	1.779
750.	4.648	34.458	163.0	4.589	4000.	2.006	34.860	252.6	1.672
800.	4.580	34.473	161.6	4.517	4050.	1.918	34.850	250.4	1.581
850.	4.466	34.484	162.4	4.399	4100.	1.806	34.838	247.7	1.466
900.	4.382	34.497	164.2	4.312	4150.	1.679	34.823	245.1	1.337
950.	4.258	34.534	167.6	4.184	4200.	1.567	34.811	242.4	1.223
1000.	4.222	34.573	167.8	4.145	4250.	1.419	34.796	239.8	1.074
1050.	4.186	34.618	169.7	4.105	4300.	1.320	34.784	237.3	0.973
1100.	4.317	34.706	172.8	4.230	4350.	1.246	34.777	235.3	0.895
1150.	4.319	34.747	176.5	4.227	4400.	1.172	34.767	233.9	0.818
1200.	4.350	34.783	182.2	4.253	4450.	1.081	34.758	232.3	0.724
1250.	4.381	34.840	190.5	4.280	4500.	1.019	34.752	230.9	0.659
1300.	4.390	34.877	200.6	4.284	4550.	0.966	34.745	229.7	0.602
1350.	4.379	34.908	207.9	4.269	4600.	0.945	34.742	228.7	0.576
1400.	4.340	34.927	214.9	4.225	4650.	0.911	34.738	227.9	0.537
1450.	4.278	34.944	221.6	4.160	4700.	0.888	34.734	227.4	0.509
1500.	4.230	34.961	228.9	4.108	4750.	0.864	34.731	226.9	0.480
1550.	4.184	34.971	234.4	4.057	4800.	0.841	34.728	226.2	0.453
1600.	4.087	34.973	238.5	3.957	4850.	0.817	34.725	225.8	0.423
1650.	4.009	34.977	242.9	3.875	4900.	0.802	34.722	225.4	0.403
1700.	3.959	34.980	245.7	3.821	4950.	0.769	34.718	224.9	0.365
1750.	3.874	34.981	247.7	3.732	5000.	0.745	34.715	224.4	0.336
1800.	3.794	34.977	249.5	3.648	5050.	0.729	34.713	224.0	0.315
1850.	3.709	34.978	250.8	3.560	5100.	0.688	34.708	223.5	0.269
1900.	3.652	34.975	252.1	3.499	5150.	0.633	34.703	223.1	0.210
1950.	3.578	34.971	252.3	3.421	5200.	0.625	34.702	222.8	0.196
2000.	3.494	34.967	252.2	3.334	5250.	0.618	34.700	222.5	0.184
2050.	3.426	34.963	252.4	3.263	5290.	0.622	34.700	220.9	0.183
2100.	3.393	34.962	253.0	3.225					
2150.	3.321	34.958	253.2	3.149					
2200.	3.264	34.955	253.0	3.088					
2250.	3.201	34.952	252.6	3.022					
2300.	3.153	34.949	251.5	2.970					
2350.	3.077	34.943	251.1	2.890					
2400.	3.031	34.941	250.3	2.840					
2450.	2.986	34.938	250.3	2.792					
2500.	2.949	34.936	250.1	2.750					
2550.	2.907	34.933	250.8	2.704					
2600.	2.875	34.932	250.9	2.667					
2650.	2.833	34.930	250.9	2.621					
2700.	2.806	34.928	250.8	2.590					
2750.	2.779	34.926	250.6	2.558					
2800.	2.760	34.926	251.5	2.535					



Station 76

Station : 77 Campagne : CITHER1
 Date : 22-01-93 Navire : L'ATALANTE
 Profondeur: 5185 m Organisme : IFREMER
 Position : S 4 30.00
 W 29 5.07

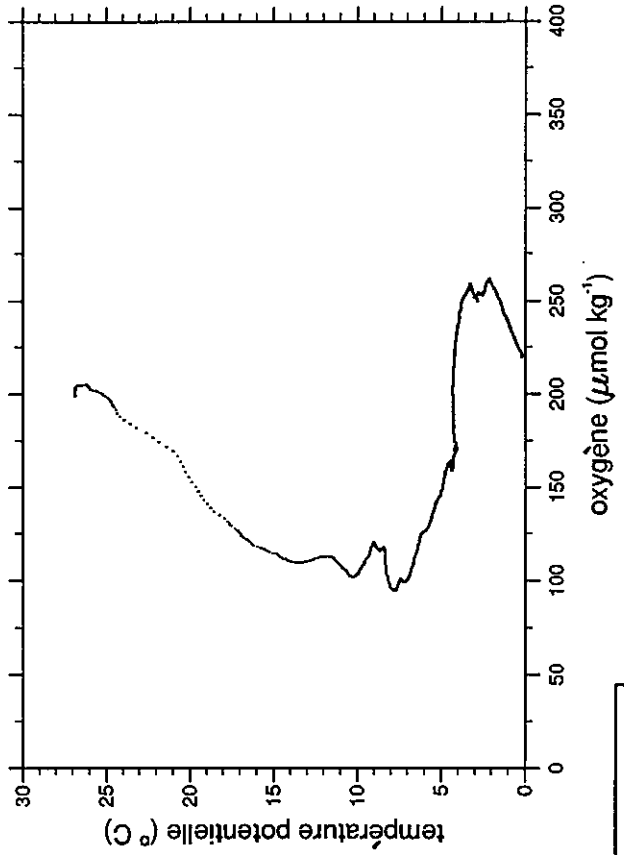
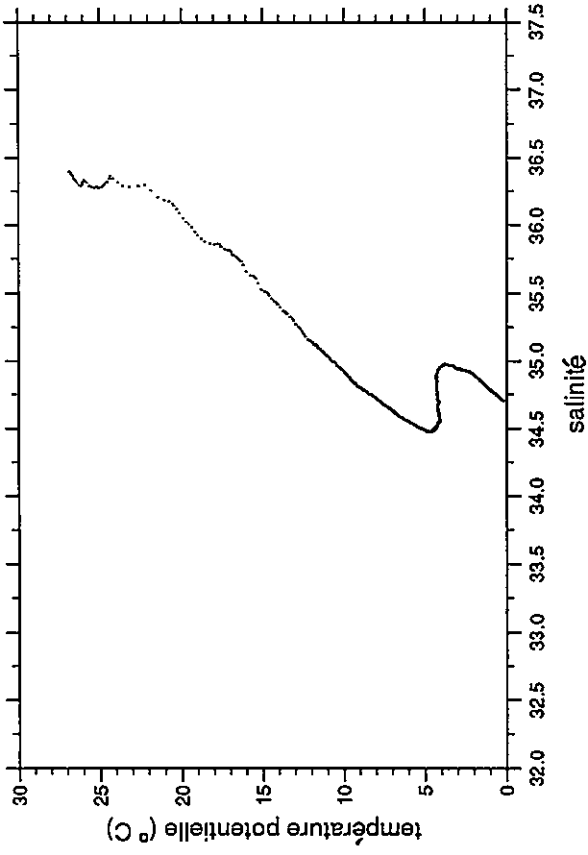
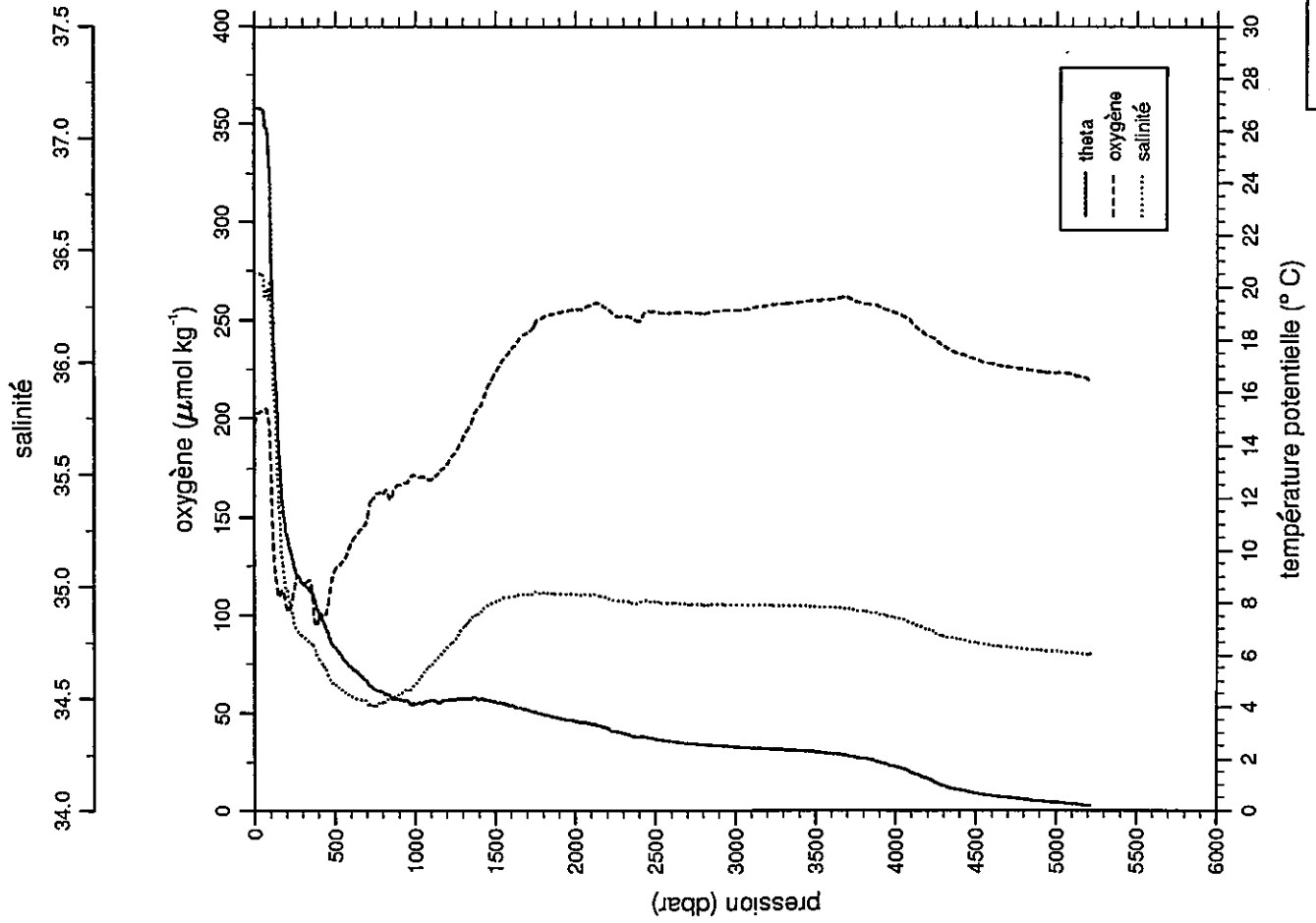
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.736	36.332	205.6	26.736	2850.	2.736	34.925	252.1	2.506
2.	26.736	36.332	204.6	26.735	2900.	2.720	34.924	251.4	2.486
3.	26.732	36.332	205.0	26.731	2950.	2.704	34.924	252.6	2.465
4.	26.734	36.332	204.9	26.733	3000.	2.682	34.922	252.9	2.438
5.	26.735	36.332	205.3	26.734	3050.	2.670	34.923	253.6	2.421
10.	26.736	36.332	206.0	26.734	3100.	2.658	34.922	254.1	2.404
20.	26.738	36.332	207.5	26.734	3150.	2.649	34.921	254.4	2.390
30.	26.740	36.332	207.4	26.733	3200.	2.634	34.921	254.8	2.370
40.	26.741	36.333	206.7	26.732	3250.	2.623	34.921	255.4	2.354
50.	26.742	36.332	206.1	26.730	3300.	2.608	34.920	255.9	2.334
100.	24.623	36.255	194.2	24.602	3350.	2.597	34.919	256.2	2.318
150.	15.035	35.548	121.3	15.012	3400.	2.581	34.918	256.8	2.297
200.	11.810	35.108	122.8	11.784	3450.	2.564	34.917	257.4	2.275
250.	9.889	34.891	117.7	9.860	3500.	2.548	34.916	257.9	2.254
300.	9.139	34.811	121.7	9.106	3550.	2.529	34.915	258.0	2.230
350.	8.703	34.772	118.1	8.666	3600.	2.507	34.913	258.6	2.203
400.	8.337	34.741	110.3	8.295	3650.	2.468	34.909	258.4	2.160
450.	7.452	34.657	96.0	7.408	3700.	2.423	34.905	258.8	2.111
500.	6.809	34.600	109.4	6.762	3750.	2.385	34.903	258.0	2.068
550.	6.218	34.548	128.7	6.169	3800.	2.340	34.897	258.4	2.018
600.	5.788	34.518	131.8	5.736	3850.	2.248	34.885	255.9	1.924
650.	5.382	34.489	144.3	5.328	3900.	2.178	34.879	253.8	1.850
700.	5.090	34.474	152.9	5.033	3950.	2.116	34.870	252.6	1.784
750.	4.846	34.471	155.5	4.785	4000.	2.008	34.860	251.0	1.674
800.	4.688	34.476	159.7	4.625	4050.	1.919	34.850	249.1	1.582
850.	4.457	34.484	160.7	4.390	4100.	1.805	34.838	246.4	1.465
900.	4.368	34.507	169.1	4.298	4150.	1.653	34.821	244.0	1.312
950.	4.340	34.541	167.7	4.266	4200.	1.540	34.809	241.3	1.197
1000.	4.237	34.566	168.8	4.160	4250.	1.420	34.795	238.8	1.075
1050.	4.208	34.618	172.4	4.126	4300.	1.319	34.786	236.4	0.972
1100.	4.339	34.687	171.8	4.252	4350.	1.233	34.776	234.4	0.883
1150.	4.335	34.729	175.3	4.243	4400.	1.148	34.767	232.7	0.794
1200.	4.347	34.763	180.3	4.251	4450.	1.071	34.757	231.3	0.715
1250.	4.374	34.810	186.0	4.273	4500.	0.994	34.749	229.7	0.634
1300.	4.379	34.851	193.3	4.273	4550.	0.939	34.742	228.3	0.575
1350.	4.369	34.883	201.6	4.259	4600.	0.899	34.736	227.2	0.531
1400.	4.376	34.921	210.4	4.260	4650.	0.863	34.733	226.3	0.491
1450.	4.326	34.944	220.2	4.207	4700.	0.834	34.729	225.6	0.457
1500.	4.288	34.951	224.8	4.164	4750.	0.805	34.726	224.9	0.423
1550.	4.234	34.961	229.4	4.107	4800.	0.788	34.723	224.2	0.400
1600.	4.130	34.969	235.1	3.999	4850.	0.744	34.717	223.9	0.352
1650.	4.063	34.973	239.7	3.928	4900.	0.726	34.715	223.3	0.330
1700.	3.977	34.976	243.1	3.839	4950.	0.722	34.714	223.2	0.320
1750.	3.910	34.980	248.3	3.768	5000.	0.708	34.712	223.0	0.300
1800.	3.821	34.979	249.7	3.675	5050.	0.681	34.708	222.8	0.269
1850.	3.763	34.977	251.0	3.613	5100.	0.657	34.705	222.2	0.239
1900.	3.701	34.976	252.1	3.548	5150.	0.645	34.704	221.9	0.222
1950.	3.619	34.972	252.2	3.461	5200.	0.625	34.702	221.5	0.196
2000.	3.564	34.972	253.6	3.402	5214.	0.626	34.702	220.9	0.196
2050.	3.514	34.973	254.6	3.349					
2100.	3.464	34.972	256.7	3.295					
2150.	3.339	34.956	255.0	3.167					
2200.	3.224	34.945	249.7	3.049					
2250.	3.164	34.941	249.0	2.985					
2300.	3.092	34.937	248.0	2.909					
2350.	3.015	34.930	247.0	2.830					
2400.	2.990	34.931	246.7	2.800					
2450.	2.967	34.936	248.1	2.773					
2500.	2.937	34.935	250.7	2.738					
2550.	2.891	34.932	250.5	2.688					
2600.	2.869	34.932	250.8	2.662					
2650.	2.848	34.932	251.5	2.636					
2700.	2.808	34.929	251.7	2.592					
2750.	2.771	34.927	251.4	2.551					
2800.	2.761	34.927	251.9	2.536					



Station 77

Station : 78 Campagne : CITHER1
 Date : 27-01-93 Navire : L'ATALANTE
 Profondeur: 5211 m Organisme : IFREMER
 Position : S 4 29.97
 W 29 5.06

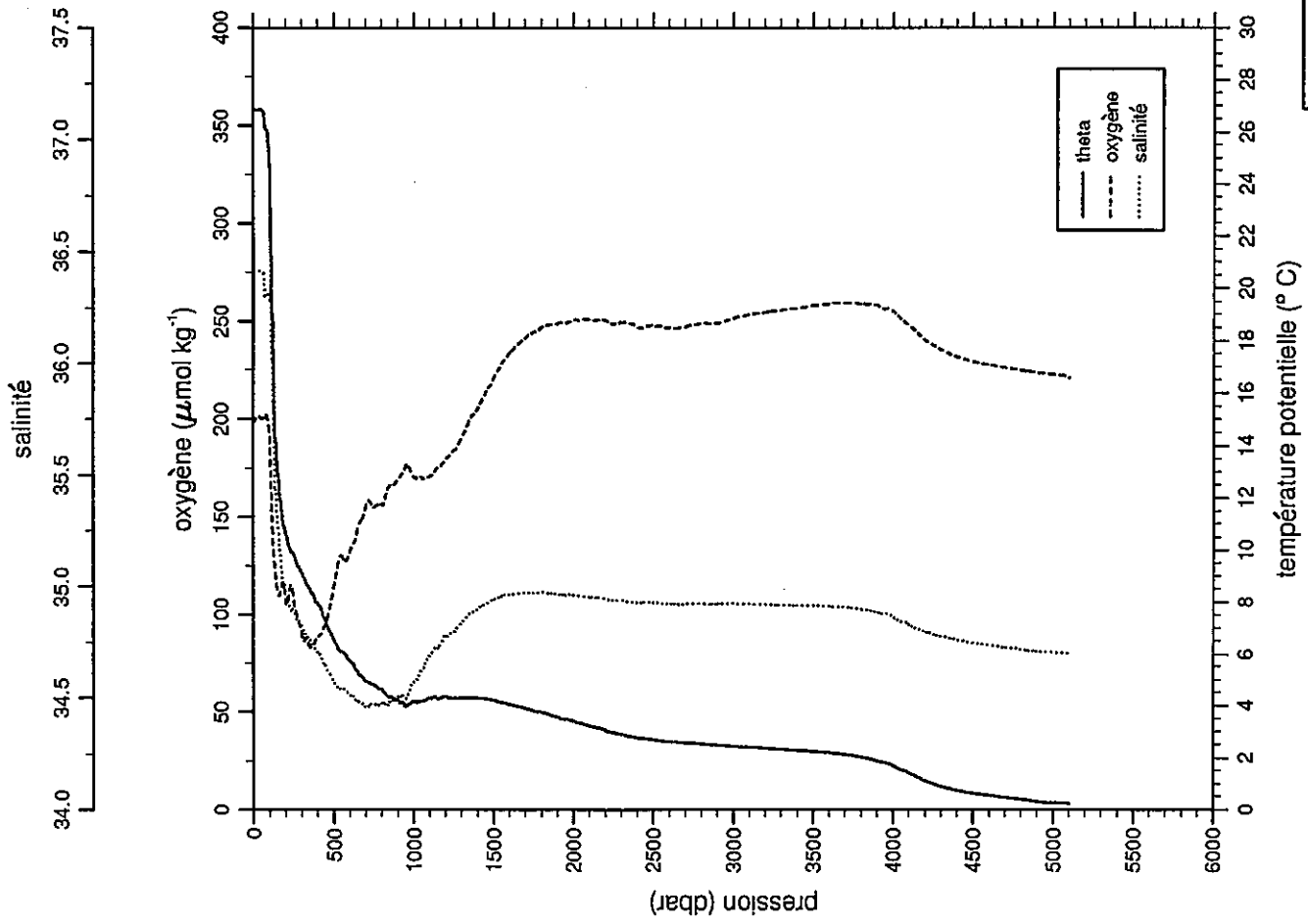
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.869	36.397	200.0	26.869	2850.	2.740	34.924	253.9	2.510
2.	26.869	36.397	199.0	26.868	2900.	2.725	34.924	254.9	2.491
3.	26.865	36.397	198.8	26.864	2950.	2.706	34.923	255.1	2.466
4.	26.866	36.397	198.9	26.865	3000.	2.686	34.922	255.1	2.442
5.	26.869	36.397	199.0	26.868	3050.	2.677	34.922	255.4	2.428
10.	26.869	36.397	200.8	26.867	3100.	2.661	34.922	256.3	2.407
20.	26.870	36.397	202.7	26.865	3150.	2.647	34.921	257.1	2.388
30.	26.867	36.396	203.2	26.860	3200.	2.635	34.921	257.8	2.371
40.	26.843	36.394	203.7	26.833	3250.	2.623	34.921	258.3	2.355
50.	26.807	36.391	204.1	26.796	3300.	2.613	34.920	258.6	2.339
100.	22.251	36.294	177.0	22.231	3350.	2.602	34.919	259.1	2.324
150.	13.730	35.364	109.7	13.709	3400.	2.589	34.919	259.5	2.305
200.	10.576	34.990	103.5	10.552	3450.	2.578	34.918	259.9	2.289
250.	9.274	34.828	114.9	9.246	3500.	2.555	34.916	260.2	2.261
300.	8.745	34.784	116.2	8.713	3550.	2.530	34.914	260.4	2.231
350.	8.423	34.750	116.4	8.386	3600.	2.508	34.914	260.8	2.204
400.	7.583	34.672	98.7	7.543	3650.	2.479	34.912	261.6	2.171
450.	6.962	34.624	102.2	6.919	3700.	2.439	34.908	261.7	2.126
500.	6.306	34.565	123.1	6.261	3750.	2.384	34.901	259.7	2.067
550.	5.894	34.534	127.4	5.846	3800.	2.338	34.896	258.8	2.016
600.	5.545	34.511	136.3	5.495	3850.	2.286	34.891	258.2	1.961
650.	5.287	34.497	142.7	5.233	3900.	2.203	34.881	257.0	1.874
700.	4.998	34.483	149.6	4.941	3950.	2.106	34.873	255.3	1.774
750.	4.714	34.474	161.5	4.654	4000.	2.031	34.863	253.6	1.696
800.	4.597	34.485	162.2	4.534	4050.	1.944	34.856	251.9	1.606
850.	4.403	34.497	159.5	4.337	4100.	1.798	34.838	248.7	1.458
900.	4.342	34.522	166.6	4.272	4150.	1.689	34.825	245.2	1.347
950.	4.289	34.543	167.7	4.216	4200.	1.574	34.813	242.3	1.230
1000.	4.172	34.568	170.9	4.095	4250.	1.428	34.797	240.0	1.082
1050.	4.221	34.610	170.2	4.139	4300.	1.301	34.784	236.7	0.954
1100.	4.299	34.653	169.1	4.213	4350.	1.207	34.774	234.6	0.858
1150.	4.224	34.693	173.1	4.134	4400.	1.150	34.768	233.0	0.797
1200.	4.344	34.733	177.4	4.248	4450.	1.087	34.760	231.7	0.730
1250.	4.368	34.768	183.0	4.267	4500.	1.016	34.752	230.2	0.656
1300.	4.405	34.821	190.9	4.299	4550.	0.969	34.747	228.9	0.605
1350.	4.396	34.854	198.1	4.286	4600.	0.929	34.741	227.9	0.560
1400.	4.390	34.882	205.8	4.275	4650.	0.887	34.737	226.8	0.514
1450.	4.360	34.918	216.0	4.241	4700.	0.865	34.734	226.3	0.487
1500.	4.306	34.934	223.6	4.182	4750.	0.836	34.730	225.6	0.453
1550.	4.244	34.952	230.3	4.117	4800.	0.812	34.727	225.1	0.424
1600.	4.178	34.959	235.6	4.046	4850.	0.772	34.721	224.4	0.380
1650.	4.079	34.965	240.6	3.944	4900.	0.752	34.718	223.9	0.354
1700.	4.032	34.968	243.9	3.893	4950.	0.729	34.716	223.5	0.327
1750.	3.954	34.978	248.9	3.811	5000.	0.724	34.715	223.3	0.316
1800.	3.863	34.976	251.5	3.717	5050.	0.701	34.712	223.1	0.288
1850.	3.780	34.971	252.9	3.630	5100.	0.671	34.709	222.6	0.253
1900.	3.711	34.971	253.7	3.557	5150.	0.655	34.706	221.3	0.231
1950.	3.647	34.969	254.8	3.489	5200.	0.624	34.703	219.9	0.196
2000.	3.598	34.967	255.7	3.436	5210.	0.625	34.703	219.8	0.195
2050.	3.556	34.968	256.0	3.390					
2100.	3.510	34.966	257.9	3.340					
2150.	3.439	34.961	258.4	3.265					
2200.	3.345	34.951	255.9	3.168					
2250.	3.230	34.941	252.1	3.051					
2300.	3.172	34.939	251.9	2.988					
2350.	3.087	34.932	251.2	2.900					
2400.	3.029	34.932	249.5	2.838					
2450.	3.021	34.939	254.6	2.825					
2500.	2.963	34.934	254.2	2.764					
2550.	2.913	34.931	253.5	2.709					
2600.	2.872	34.930	253.6	2.665					
2650.	2.837	34.930	253.9	2.625					
2700.	2.800	34.927	254.1	2.584					
2750.	2.778	34.925	253.5	2.558					
2800.	2.754	34.923	253.3	2.529					



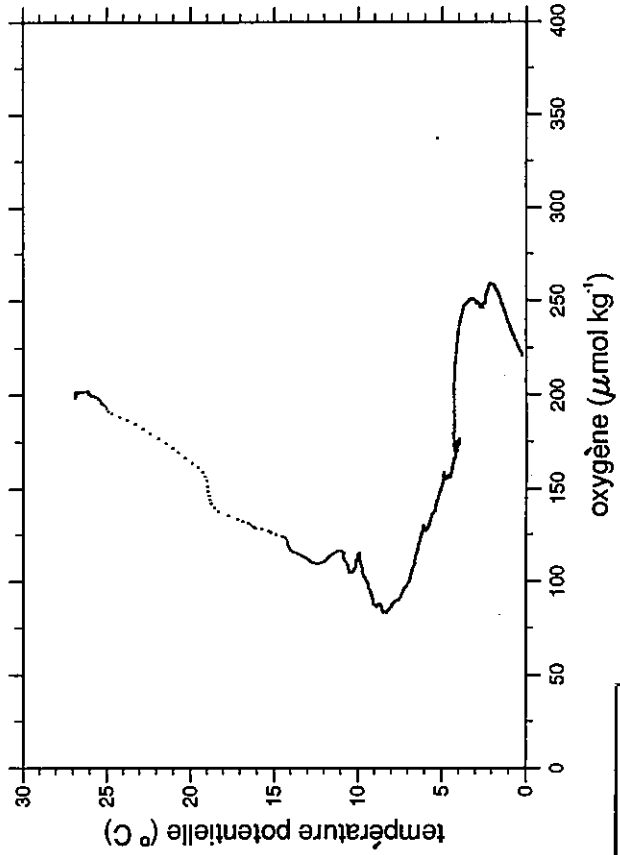
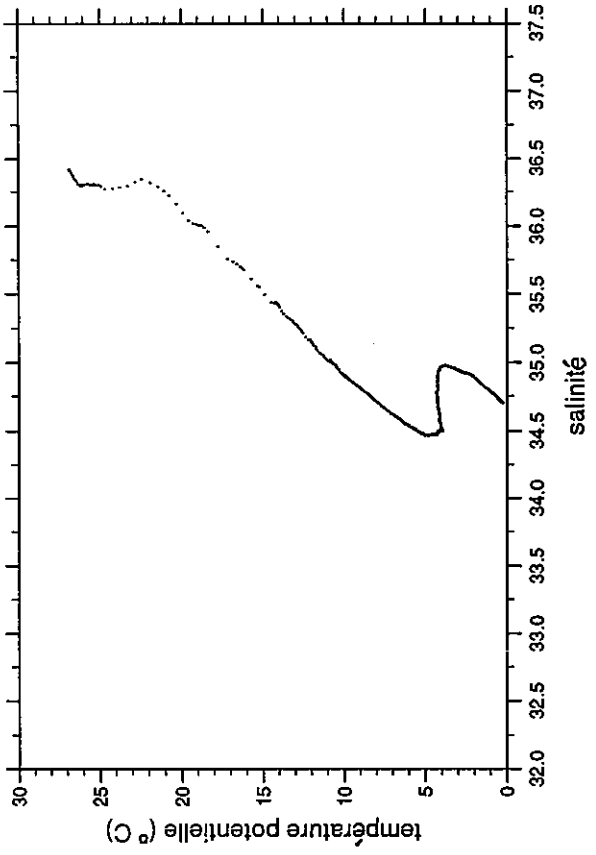
Station 78

Station : 79 Campagne : CITHER1
 Date : 28-01-93 Navire : L'ATALANTE
 Profondeur: 5076 m Organisme : IFREMER
 Position : S 4 37.98
 W 29 39.04

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.874	36.414	199.3	26.874	2850.	2.715	34.920	248.5	2.486
2.	26.874	36.414	199.3	26.873	2900.	2.699	34.920	248.8	2.465
3.	26.874	36.414	198.8	26.873	2950.	2.682	34.922	250.1	2.444
4.	26.871	36.414	198.5	26.870	3000.	2.665	34.924	251.3	2.421
5.	26.874	36.414	199.0	26.873	3050.	2.656	34.922	252.3	2.407
10.	26.875	36.414	199.8	26.873	3100.	2.638	34.922	253.2	2.385
20.	26.875	36.414	200.5	26.870	3150.	2.628	34.920	253.7	2.370
30.	26.875	36.414	201.0	26.868	3200.	2.612	34.919	254.4	2.349
40.	26.877	36.414	200.9	26.868	3250.	2.592	34.918	255.0	2.325
50.	26.863	36.411	200.2	26.852	3300.	2.578	34.917	255.5	2.305
100.	24.707	36.270	190.2	24.685	3350.	2.563	34.916	256.2	2.285
150.	13.128	35.291	112.6	13.107	3400.	2.547	34.915	256.5	2.264
200.	10.631	34.986	108.5	10.607	3450.	2.535	34.914	257.1	2.248
250.	9.814	34.889	108.8	9.785	3500.	2.527	34.914	257.9	2.234
300.	9.137	34.822	90.1	9.104	3550.	2.505	34.912	258.5	2.207
350.	8.527	34.765	83.5	8.490	3600.	2.483	34.910	258.8	2.180
400.	7.961	34.705	88.1	7.920	3650.	2.456	34.908	259.3	2.148
450.	7.296	34.643	96.2	7.252	3700.	2.430	34.906	259.2	2.118
500.	6.585	34.577	113.8	6.539	3750.	2.391	34.902	259.3	2.074
550.	6.118	34.539	129.9	6.069	3800.	2.351	34.898	258.7	2.030
600.	5.785	34.515	131.7	5.733	3850.	2.294	34.892	258.6	1.968
650.	5.338	34.485	143.8	5.284	3900.	2.206	34.883	257.9	1.877
700.	4.981	34.461	155.3	4.925	3950.	2.152	34.878	256.0	1.819
750.	4.858	34.467	154.9	4.798	4000.	2.034	34.862	254.9	1.699
800.	4.670	34.477	156.2	4.607	4050.	1.873	34.845	250.8	1.537
850.	4.362	34.475	166.0	4.297	4100.	1.741	34.830	247.8	1.403
900.	4.255	34.500	168.8	4.186	4150.	1.603	34.813	243.9	1.264
950.	4.032	34.495	175.6	3.961	4200.	1.463	34.799	240.1	1.122
1000.	4.211	34.573	170.6	4.134	4250.	1.372	34.789	237.5	1.029
1050.	4.238	34.621	169.9	4.156	4300.	1.255	34.776	234.9	0.910
1100.	4.347	34.691	170.6	4.260	4350.	1.180	34.768	233.1	0.832
1150.	4.344	34.723	175.1	4.252	4400.	1.113	34.760	231.7	0.760
1200.	4.434	34.780	179.8	4.336	4450.	1.044	34.752	230.4	0.688
1250.	4.363	34.797	183.8	4.262	4500.	0.997	34.747	229.1	0.637
1300.	4.375	34.838	190.5	4.270	4550.	0.960	34.742	228.1	0.595
1350.	4.372	34.880	199.2	4.262	4600.	0.923	34.738	227.3	0.554
1400.	4.371	34.897	205.0	4.256	4650.	0.892	34.733	226.6	0.519
1450.	4.352	34.925	213.2	4.232	4700.	0.855	34.729	225.8	0.477
1500.	4.292	34.944	220.8	4.168	4750.	0.822	34.725	225.1	0.439
1550.	4.222	34.959	228.3	4.095	4800.	0.777	34.719	224.5	0.391
1600.	4.162	34.966	233.6	4.030	4850.	0.747	34.715	223.9	0.355
1650.	4.088	34.971	237.9	3.953	4900.	0.708	34.710	223.4	0.312
1700.	4.011	34.974	241.6	3.872	4950.	0.676	34.707	222.8	0.275
1750.	3.918	34.972	244.5	3.776	5000.	0.673	34.706	222.4	0.267
1800.	3.874	34.976	246.9	3.727	5050.	0.658	34.705	222.2	0.247
1850.	3.800	34.971	248.2	3.650	5100.	0.648	34.702	221.1	0.231
1900.	3.697	34.967	248.7	3.543	5102.	0.649	34.702	220.9	0.231
1950.	3.613	34.963	249.0	3.456					
2000.	3.551	34.964	250.5	3.390					
2050.	3.464	34.960	250.6	3.300					
2100.	3.365	34.953	250.7	3.197					
2150.	3.302	34.951	250.4	3.131					
2200.	3.208	34.945	250.2	3.034					
2250.	3.123	34.941	248.3	2.945					
2300.	3.065	34.939	249.2	2.883					
2350.	3.018	34.937	248.7	2.832					
2400.	2.939	34.927	247.1	2.749					
2450.	2.912	34.927	247.7	2.719					
2500.	2.890	34.927	247.7	2.693					
2550.	2.837	34.924	247.2	2.635					
2600.	2.816	34.921	246.5	2.610					
2650.	2.795	34.921	246.3	2.584					
2700.	2.773	34.922	247.1	2.558					
2750.	2.766	34.923	248.2	2.546					
2800.	2.743	34.922	248.6	2.518					

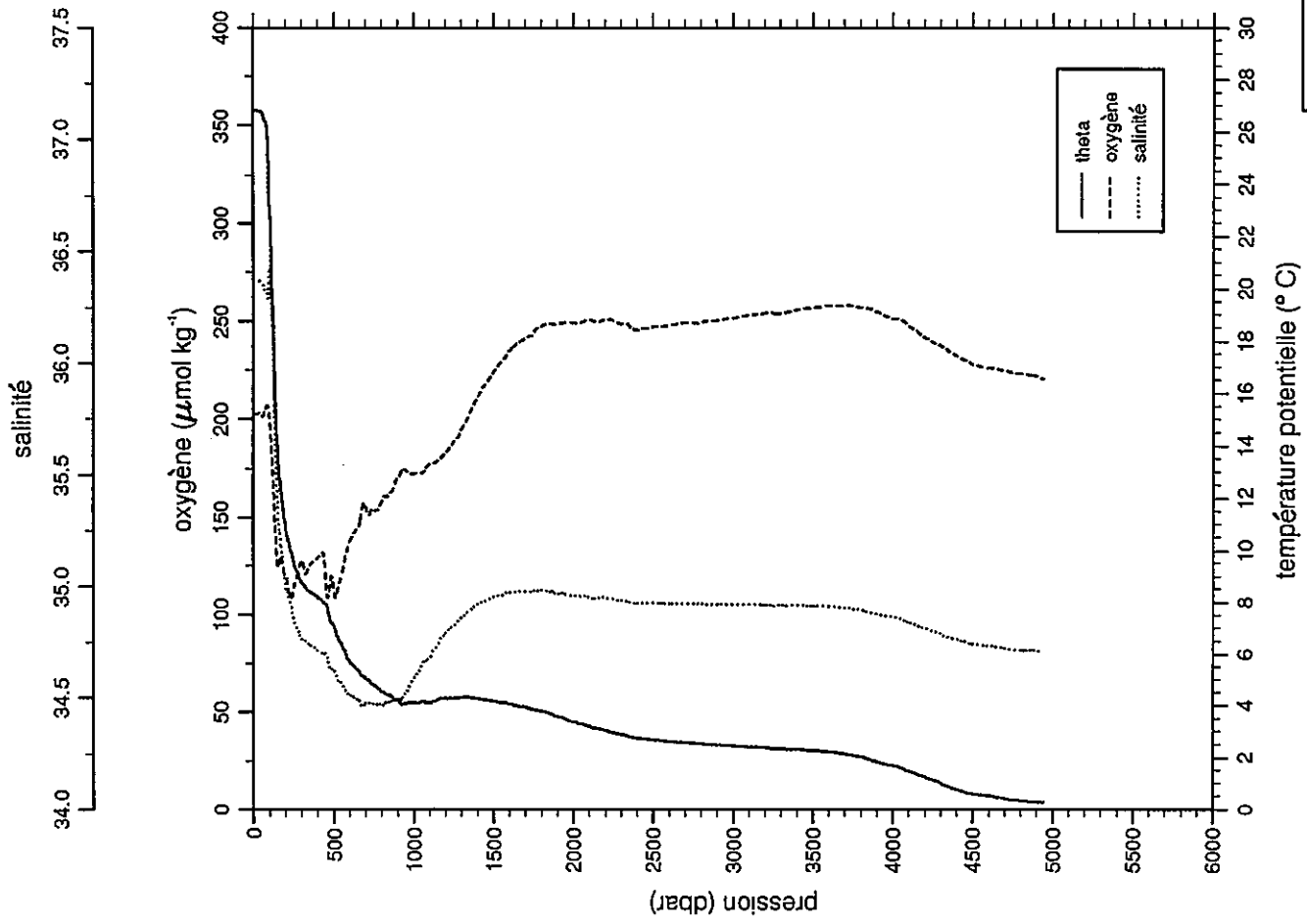


Station 79

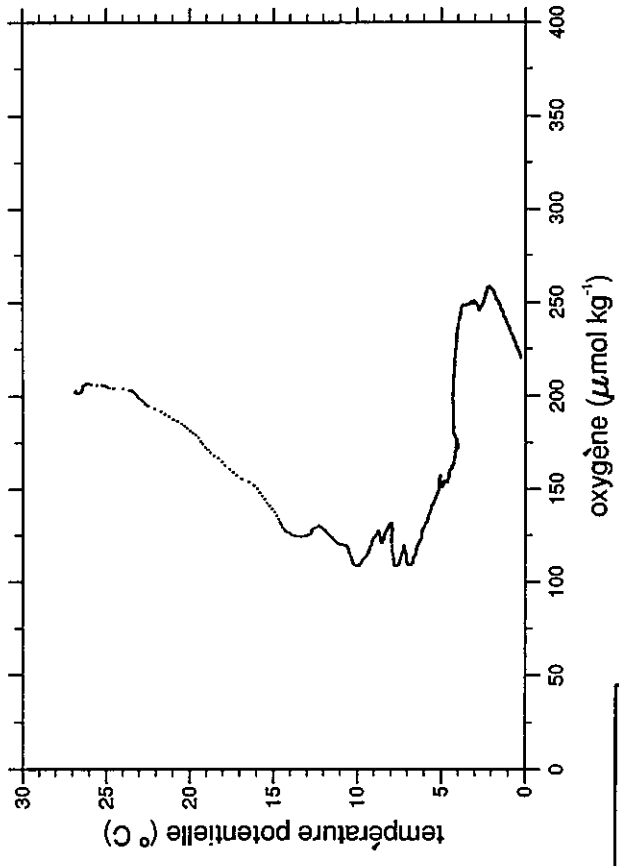
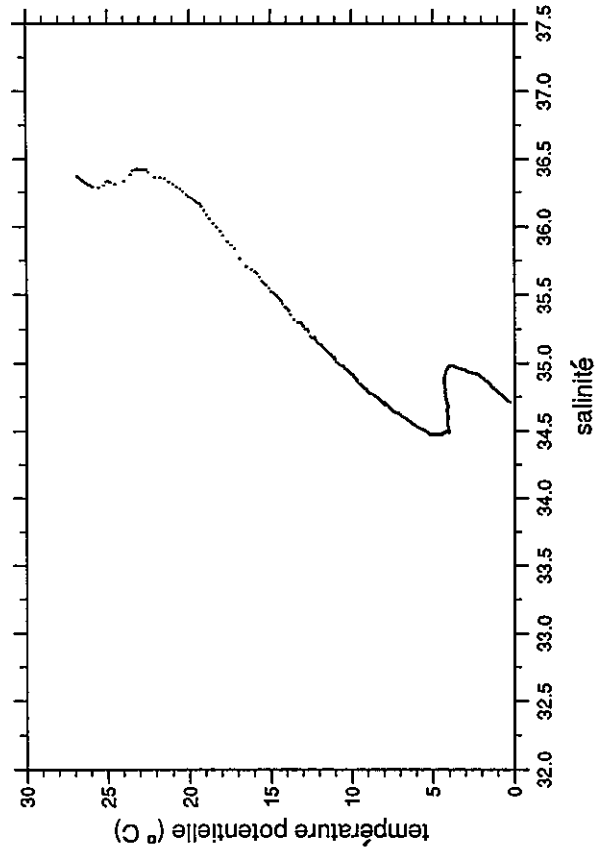


Station : 80 Campagne : CITHER1
 Date : 28-01-93 Navire : L'ATALANTE
 Profondeur: 4905 m Organisme : IPREMER
 Position : S 4 45.90
 W 30 17.97

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.845	36.367	202.3	26.845	2850.	2.724	34.923	250.2	2.495
2.	26.845	36.367	202.3	26.845	2900.	2.713	34.923	250.4	2.479
3.	26.845	36.367	202.4	26.845	2950.	2.697	34.923	251.3	2.458
4.	26.850	36.368	202.2	26.849	3000.	2.684	34.922	251.6	2.440
5.	26.851	36.367	202.3	26.850	3050.	2.668	34.922	252.6	2.420
10.	26.841	36.367	202.4	26.839	3100.	2.655	34.921	253.3	2.402
20.	26.832	36.367	202.8	26.827	3150.	2.645	34.921	253.6	2.386
30.	26.824	36.367	203.1	26.817	3200.	2.634	34.920	254.1	2.370
40.	26.811	36.366	203.1	26.801	3250.	2.606	34.917	254.3	2.338
50.	26.790	36.364	201.8	26.778	3300.	2.598	34.918	254.1	2.325
100.	23.168	36.425	200.3	23.148	3350.	2.589	34.918	254.9	2.311
150.	14.055	35.408	126.1	14.033	3400.	2.581	34.918	255.9	2.297
200.	10.988	35.006	120.2	10.964	3450.	2.571	34.918	256.6	2.282
250.	9.613	34.855	112.7	9.585	3500.	2.549	34.918	256.8	2.256
300.	8.770	34.767	127.7	8.737	3550.	2.538	34.916	257.5	2.239
350.	8.403	34.740	125.1	8.366	3600.	2.518	34.914	258.0	2.214
400.	8.198	34.714	129.3	8.157	3650.	2.490	34.912	258.0	2.181
450.	7.979	34.701	120.1	7.933	3700.	2.448	34.909	258.3	2.135
500.	7.133	34.630	113.4	7.085	3750.	2.395	34.902	257.7	2.078
550.	6.414	34.566	120.7	6.364	3800.	2.355	34.899	257.0	2.033
600.	5.746	34.512	137.2	5.694	3850.	2.264	34.889	256.5	1.939
650.	5.436	34.494	144.2	5.381	3900.	2.167	34.880	254.7	1.839
700.	5.118	34.478	155.4	5.061	3950.	2.083	34.871	252.8	1.752
750.	4.839	34.473	154.2	4.779	4000.	2.028	34.865	251.3	1.693
800.	4.604	34.470	158.1	4.541	4050.	1.950	34.857	250.8	1.611
850.	4.464	34.483	162.4	4.398	4100.	1.813	34.841	247.6	1.473
900.	4.274	34.498	170.0	4.204	4150.	1.688	34.826	244.9	1.346
950.	4.138	34.525	174.0	4.066	4200.	1.595	34.816	241.9	1.250
1000.	4.163	34.582	172.0	4.086	4250.	1.464	34.801	239.5	1.117
1050.	4.222	34.650	172.4	4.141	4300.	1.345	34.789	237.5	0.996
1100.	4.164	34.685	177.0	4.078	4350.	1.213	34.774	234.7	0.863
1150.	4.292	34.743	178.7	4.200	4400.	1.109	34.763	232.2	0.757
1200.	4.361	34.793	182.6	4.264	4450.	1.019	34.753	230.3	0.664
1250.	4.376	34.827	188.2	4.275	4500.	0.945	34.744	228.0	0.587
1300.	4.390	34.862	194.6	4.284	4550.	0.907	34.739	226.8	0.545
1350.	4.400	34.897	202.6	4.289	4600.	0.879	34.736	226.0	0.512
1400.	4.361	34.922	211.0	4.246	4650.	0.821	34.729	225.3	0.450
1450.	4.320	34.938	217.9	4.201	4700.	0.779	34.724	224.5	0.404
1500.	4.279	34.953	223.7	4.155	4750.	0.732	34.718	223.7	0.353
1550.	4.216	34.962	229.4	4.089	4800.	0.711	34.715	223.0	0.327
1600.	4.173	34.972	234.9	4.042	4850.	0.692	34.714	222.5	0.302
1650.	4.107	34.976	238.9	3.972	4900.	0.680	34.713	221.7	0.285
1700.	4.067	34.980	241.5	3.928	4943.	0.671	34.710	220.4	0.271
1750.	3.993	34.982	244.1	3.849					
1800.	3.931	34.983	247.4	3.783					
1850.	3.852	34.978	248.7	3.701					
1900.	3.733	34.971	248.5	3.579					
1950.	3.629	34.964	249.1	3.472					
2000.	3.531	34.959	248.8	3.371					
2050.	3.435	34.956	249.4	3.271					
2100.	3.361	34.953	250.6	3.194					
2150.	3.280	34.949	249.4	3.109					
2200.	3.229	34.950	250.7	3.054					
2250.	3.135	34.943	250.2	2.957					
2300.	3.078	34.937	248.6	2.896					
2350.	2.997	34.931	247.5	2.811					
2400.	2.939	34.926	245.5	2.750					
2450.	2.901	34.927	246.2	2.708					
2500.	2.883	34.928	247.3	2.685					
2550.	2.852	34.926	247.4	2.650					
2600.	2.828	34.926	247.8	2.621					
2650.	2.807	34.926	248.5	2.596					
2700.	2.791	34.926	249.1	2.575					
2750.	2.766	34.924	249.1	2.546					
2800.	2.747	34.923	249.5	2.522					

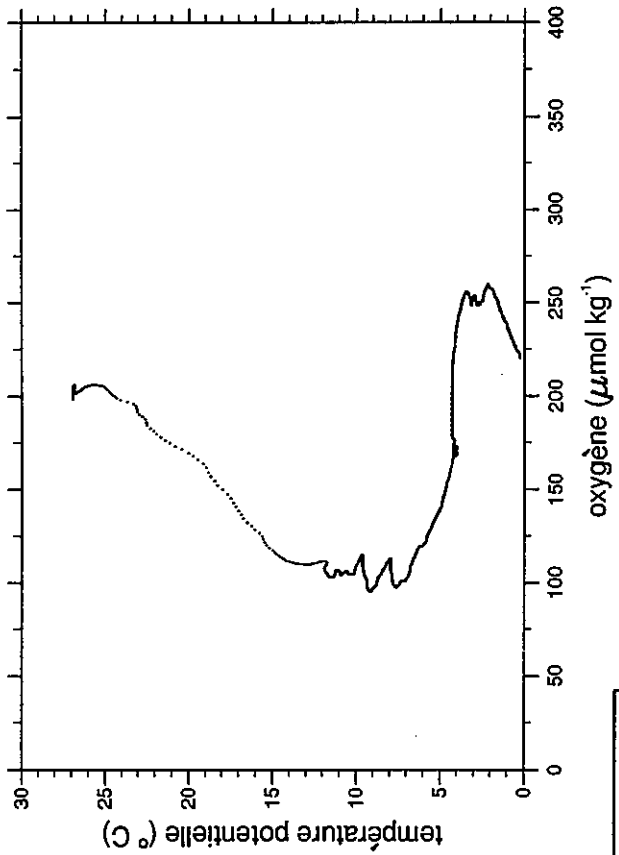
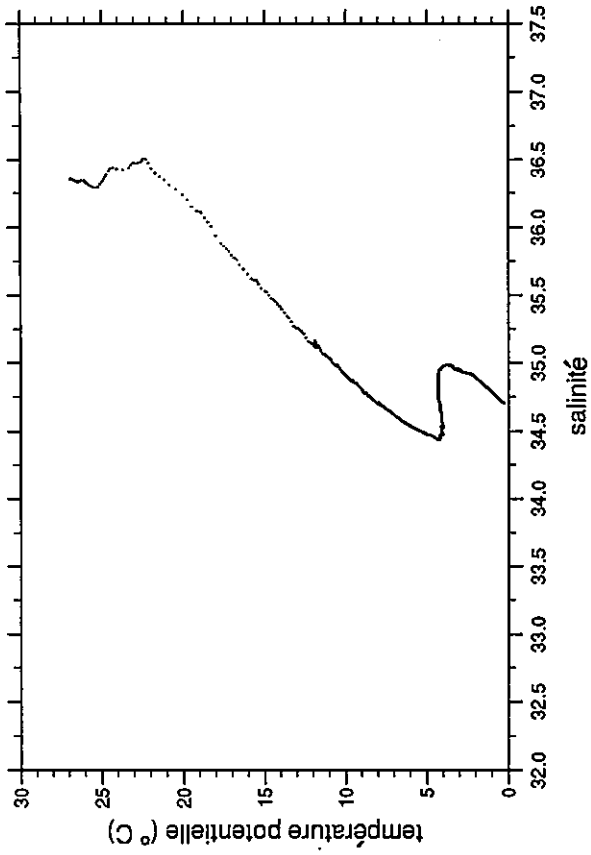
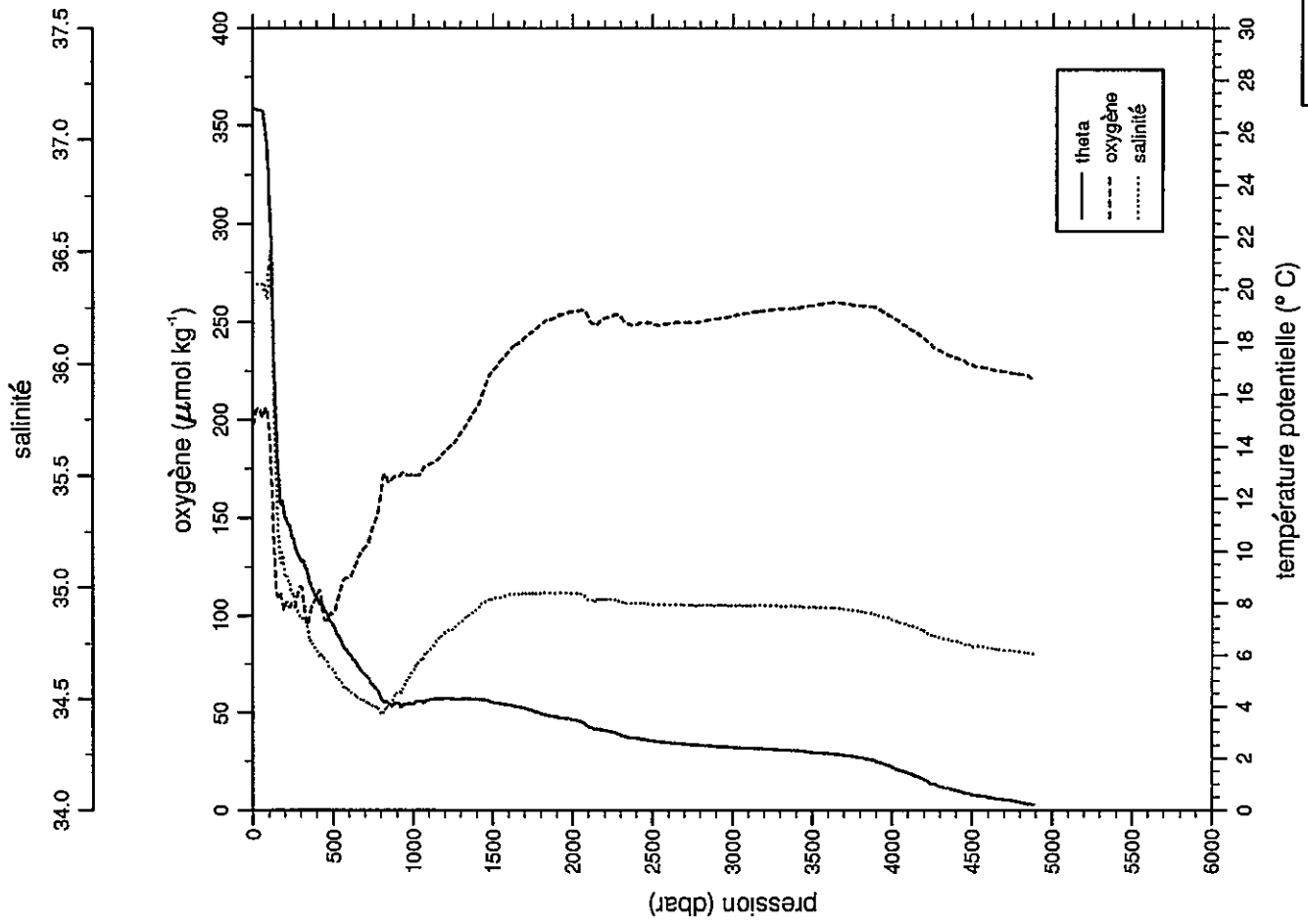


Station 80



Station	: 81	Campagne	: CITHER1
Date	: 28-01-93	Navire	: L'ATALANTE
Profondeur	: 4870 m	Organisme	: IFREMER
Position	: S 4 54.99		
	W 30 56.98		

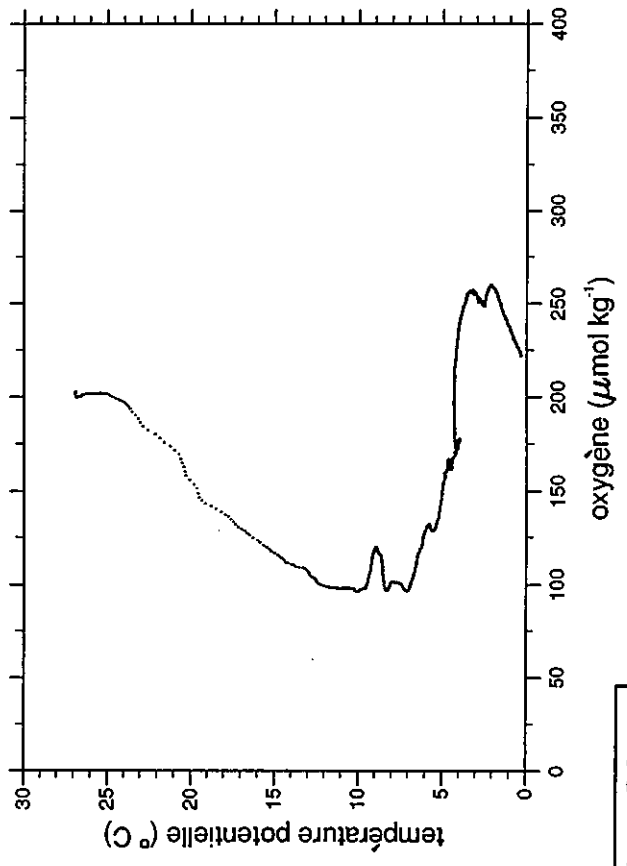
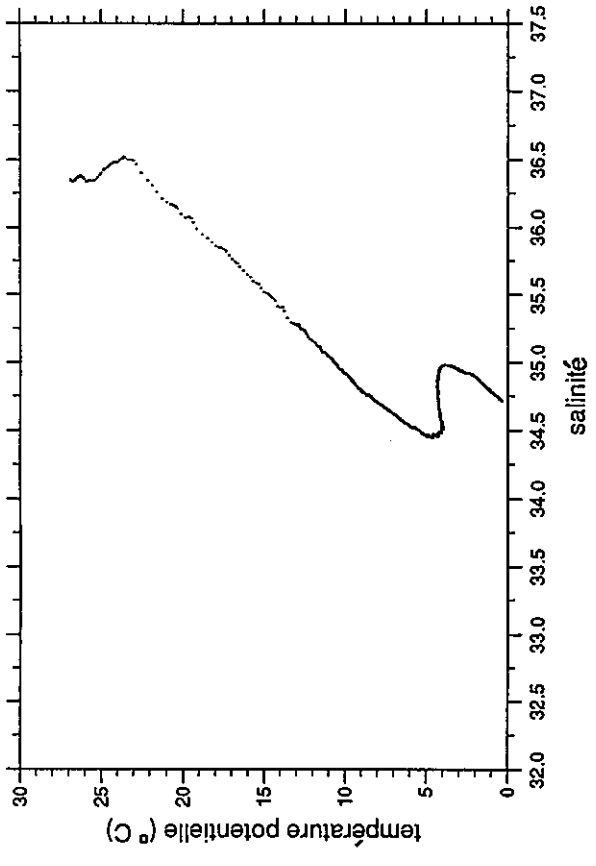
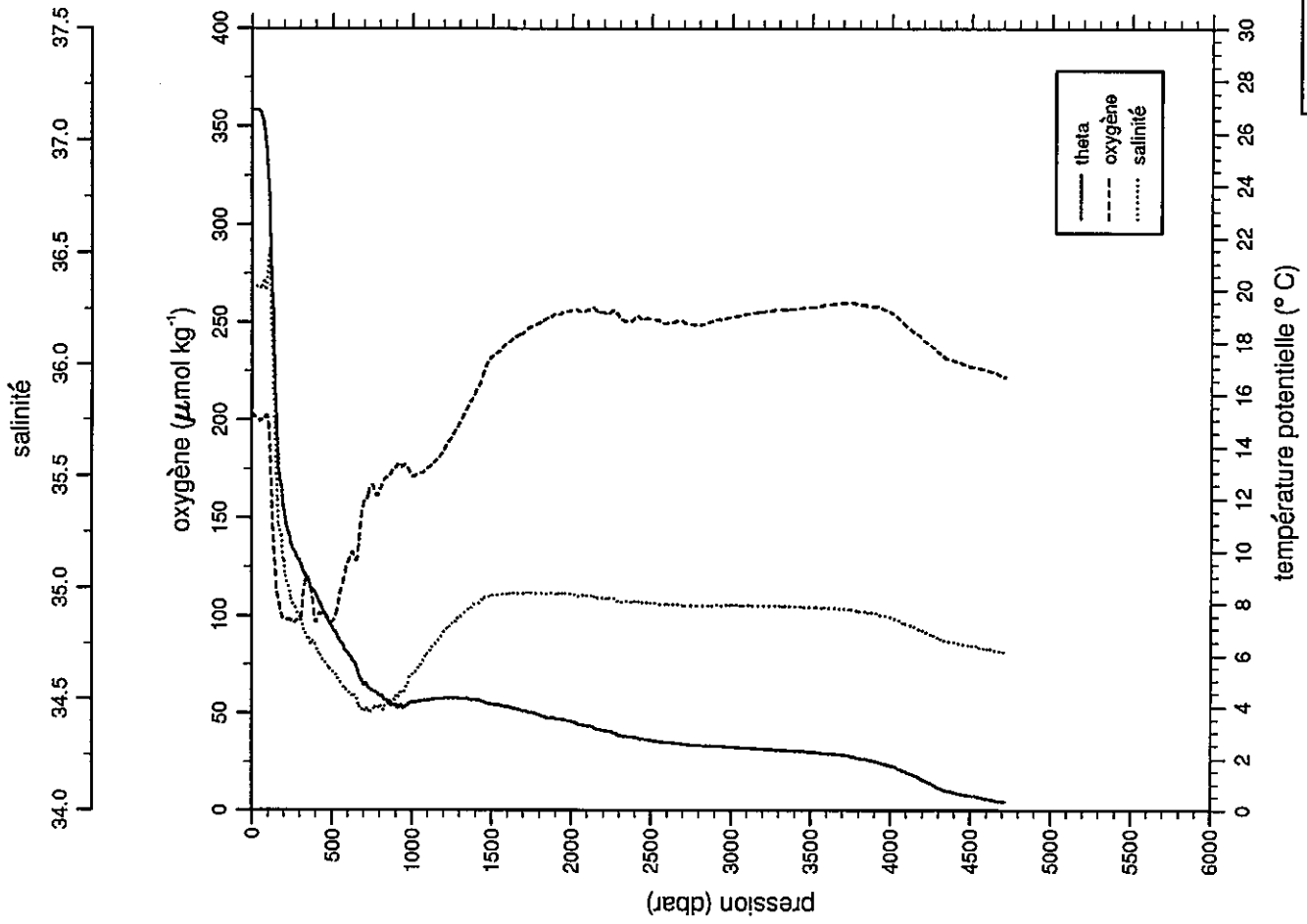
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.907	36.355	199.3	26.907	2850.	2.717	34.921	251.2	2.488
2.	26.907	36.355	199.3	26.906	2900.	2.698	34.920	251.7	2.464
3.	26.907	36.355	199.2	26.906	2950.	2.686	34.921	252.3	2.447
4.	26.911	36.356	199.0	26.910	3000.	2.672	34.921	253.2	2.428
5.	26.911	36.356	198.5	26.910	3050.	2.661	34.921	253.9	2.413
10.	26.910	36.356	200.6	26.908	3100.	2.651	34.920	254.5	2.398
20.	26.899	36.356	204.1	26.895	3150.	2.641	34.920	255.2	2.382
30.	26.844	36.353	206.0	26.838	3200.	2.629	34.919	255.8	2.365
40.	26.837	36.354	205.6	26.828	3250.	2.618	34.919	256.1	2.350
50.	26.832	36.354	203.1	26.820	3300.	2.608	34.918	256.5	2.334
100.	23.335	36.438	196.0	23.314	3350.	2.600	34.918	256.8	2.321
150.	14.206	35.429	112.1	14.184	3400.	2.589	34.917	256.9	2.305
200.	11.327	35.061	103.9	11.302	3450.	2.558	34.915	257.7	2.270
250.	10.522	34.978	105.3	10.492	3500.	2.515	34.913	258.4	2.223
300.	9.631	34.860	114.9	9.597	3550.	2.504	34.912	259.0	2.206
350.	8.920	34.775	98.1	8.882	3600.	2.483	34.911	259.7	2.180
400.	8.231	34.720	110.5	8.189	3650.	2.464	34.908	259.8	2.156
450.	7.723	34.676	98.1	7.678	3700.	2.425	34.905	259.3	2.112
500.	7.178	34.631	100.8	7.130	3750.	2.388	34.900	258.6	2.071
550.	6.573	34.574	113.9	6.523	3800.	2.335	34.895	258.0	2.014
600.	6.100	34.542	119.5	6.047	3850.	2.284	34.890	257.6	1.958
650.	5.667	34.507	127.9	5.612	3900.	2.203	34.882	257.3	1.874
700.	5.289	34.488	135.0	5.231	3950.	2.113	34.871	254.7	1.782
750.	4.894	34.470	145.6	4.833	4000.	2.017	34.861	252.4	1.683
800.	4.371	34.434	163.6	4.310	4050.	1.891	34.846	249.5	1.554
850.	4.168	34.468	168.1	4.103	4100.	1.789	34.835	246.9	1.450
900.	4.197	34.531	171.0	4.128	4150.	1.673	34.821	244.3	1.332
950.	4.163	34.565	172.4	4.091	4200.	1.537	34.806	241.3	1.194
1000.	4.172	34.621	171.9	4.095	4250.	1.358	34.787	237.7	1.015
1050.	4.284	34.677	173.0	4.202	4300.	1.263	34.776	235.1	0.917
1100.	4.344	34.720	177.3	4.257	4350.	1.194	34.769	232.9	0.845
1150.	4.388	34.766	179.5	4.296	4400.	1.120	34.761	231.4	0.767
1200.	4.412	34.798	183.8	4.315	4450.	1.035	34.751	230.0	0.680
1250.	4.391	34.817	187.6	4.290	4500.	0.971	34.743	228.2	0.612
1300.	4.406	34.849	193.4	4.300	4550.	0.933	34.740	226.9	0.569
1350.	4.413	34.878	199.9	4.302	4600.	0.874	34.733	226.4	0.507
1400.	4.403	34.901	206.4	4.288	4650.	0.848	34.728	225.2	0.476
1450.	4.372	34.939	217.2	4.252	4700.	0.803	34.723	224.5	0.427
1500.	4.283	34.952	225.5	4.160	4750.	0.783	34.721	223.8	0.402
1550.	4.228	34.961	230.5	4.100	4800.	0.720	34.714	223.3	0.336
1600.	4.183	34.970	235.0	4.051	4850.	0.643	34.706	222.3	0.256
1650.	4.123	34.973	239.1	3.988	4885.	0.634	34.704	220.0	0.242
1700.	4.069	34.977	242.1	3.930					
1750.	3.972	34.977	245.3	3.829					
1800.	3.873	34.978	248.8	3.727					
1850.	3.802	34.978	251.2	3.651					
1900.	3.760	34.980	252.7	3.606					
1950.	3.702	34.978	254.5	3.544					
2000.	3.664	34.977	255.2	3.501					
2050.	3.608	34.975	256.1	3.441					
2100.	3.366	34.945	251.6	3.198					
2150.	3.312	34.951	248.8	3.141					
2200.	3.253	34.948	252.1	3.078					
2250.	3.187	34.950	253.5	3.008					
2300.	3.078	34.937	252.7	2.896					
2350.	2.988	34.931	249.0	2.803					
2400.	2.972	34.933	248.7	2.782					
2450.	2.924	34.931	249.6	2.730					
2500.	2.869	34.925	248.9	2.671					
2550.	2.845	34.925	248.7	2.643					
2600.	2.819	34.925	249.3	2.612					
2650.	2.798	34.924	250.0	2.587					
2700.	2.770	34.923	250.0	2.554					
2750.	2.744	34.920	249.8	2.524					
2800.	2.735	34.921	250.3	2.510					



Station 81

Station : 82 Campagne : CITHER1
 Date : 29-01-93 Navire : L'ATALANTE
 Profondeur: 4697 m Organisme : IPREMER
 Position : S 5 4.09
 W 31 36.01

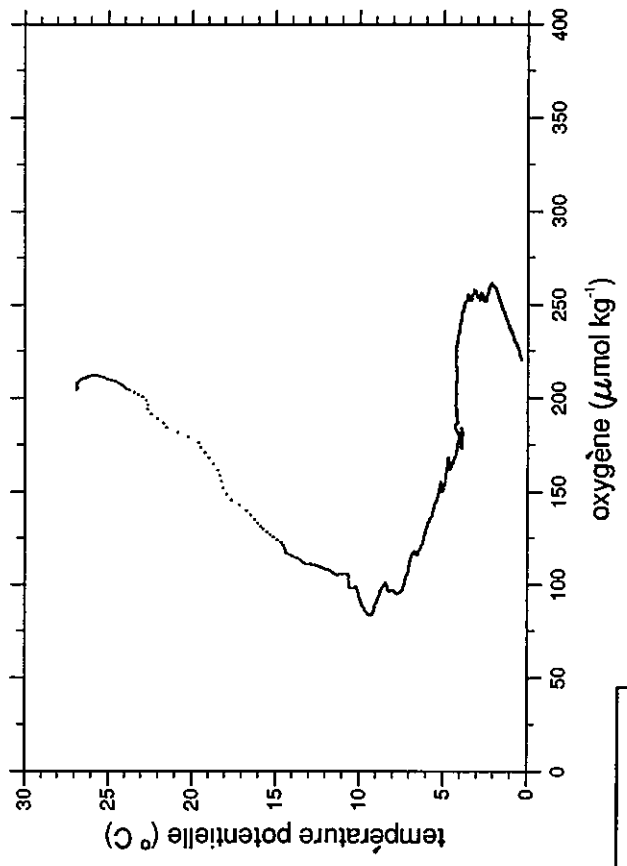
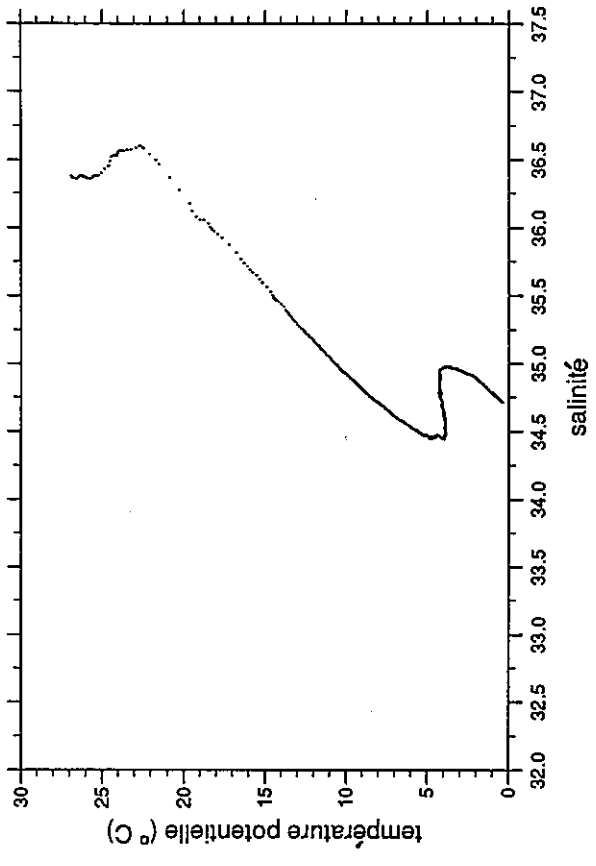
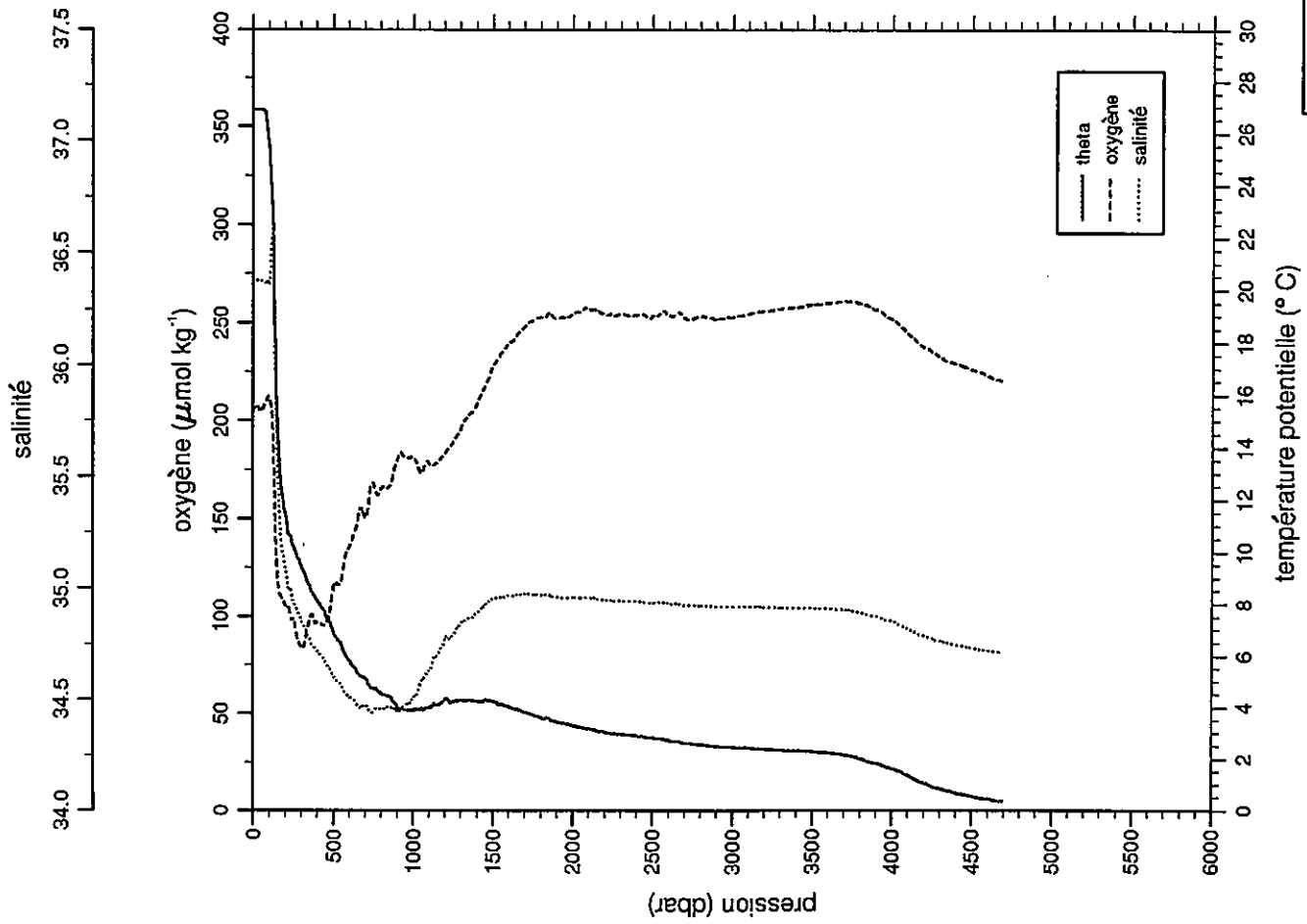
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.894	36.349	202.7	26.893	2850.	2.727	34.920	249.7	2.497
2.	26.894	36.349	202.7	26.893	2900.	2.720	34.921	251.1	2.485
3.	26.889	36.350	202.9	26.888	2950.	2.701	34.921	251.4	2.462
4.	26.890	36.350	202.9	26.889	3000.	2.685	34.921	252.7	2.441
5.	26.892	36.350	202.7	26.891	3050.	2.663	34.920	253.5	2.415
10.	26.895	36.349	202.2	26.893	3100.	2.650	34.920	254.4	2.396
20.	26.897	36.349	201.5	26.892	3150.	2.640	34.920	255.0	2.381
30.	26.891	36.348	201.1	26.884	3200.	2.629	34.919	255.8	2.366
40.	26.865	36.346	200.7	26.856	3250.	2.614	34.919	256.1	2.346
50.	26.835	36.343	199.5	26.823	3300.	2.607	34.918	256.6	2.333
100.	24.643	36.445	199.8	24.621	3350.	2.592	34.917	256.8	2.314
150.	15.489	35.585	119.9	15.465	3400.	2.575	34.916	257.2	2.291
200.	11.609	35.119	98.4	11.583	3450.	2.564	34.915	257.5	2.276
250.	10.231	34.943	96.7	10.201	3500.	2.555	34.915	257.8	2.262
300.	9.581	34.864	98.0	9.547	3550.	2.530	34.914	258.3	2.231
350.	8.907	34.774	119.3	8.869	3600.	2.502	34.912	259.1	2.199
400.	8.341	34.733	96.7	8.299	3650.	2.485	34.910	259.7	2.177
450.	7.711	34.674	101.2	7.666	3700.	2.463	34.908	259.8	2.149
500.	7.126	34.629	96.5	7.078	3750.	2.416	34.904	260.2	2.098
550.	6.576	34.576	111.0	6.525	3800.	2.354	34.899	259.2	2.033
600.	6.116	34.536	127.3	6.062	3850.	2.307	34.893	258.7	1.981
650.	5.668	34.510	128.5	5.612	3900.	2.235	34.886	258.3	1.906
700.	4.889	34.448	157.8	4.833	3950.	2.156	34.878	257.0	1.823
750.	4.664	34.450	166.8	4.605	4000.	2.086	34.870	255.1	1.750
800.	4.481	34.468	163.9	4.419	4050.	1.973	34.855	251.8	1.634
850.	4.267	34.480	170.5	4.202	4100.	1.817	34.838	247.5	1.477
900.	4.130	34.510	175.7	4.062	4150.	1.707	34.827	244.4	1.365
950.	4.037	34.534	176.8	3.966	4200.	1.526	34.807	240.9	1.183
1000.	4.236	34.606	171.6	4.158	4250.	1.385	34.791	238.0	1.041
1050.	4.284	34.653	172.7	4.202	4300.	1.228	34.774	234.4	0.884
1100.	4.334	34.708	175.3	4.247	4350.	1.116	34.761	231.3	0.769
1150.	4.382	34.752	179.1	4.290	4400.	1.045	34.755	230.4	0.695
1200.	4.397	34.802	184.3	4.300	4450.	0.968	34.746	229.0	0.615
1250.	4.422	34.838	191.3	4.321	4500.	0.931	34.743	227.6	0.573
1300.	4.398	34.868	198.6	4.292	4550.	0.884	34.737	226.7	0.522
1350.	4.421	34.904	206.8	4.310	4600.	0.809	34.726	225.3	0.444
1400.	4.378	34.930	214.9	4.263	4650.	0.756	34.719	224.3	0.387
1450.	4.309	34.956	224.8	4.190	4700.	0.714	34.715	222.1	0.341
1500.	4.211	34.965	232.5	4.088	4711.	0.712	34.714	222.1	0.338
1550.	4.183	34.970	235.3	4.056					
1600.	4.127	34.974	239.3	3.996					
1650.	4.064	34.978	242.7	3.929					
1700.	3.978	34.978	244.8	3.840					
1750.	3.917	34.979	247.7	3.774					
1800.	3.833	34.976	249.7	3.687					
1850.	3.726	34.974	252.0	3.577					
1900.	3.705	34.975	254.6	3.551					
1950.	3.672	34.977	255.6	3.514					
2000.	3.595	34.973	256.3	3.433					
2050.	3.473	34.964	255.7	3.309					
2100.	3.426	34.965	256.4	3.258					
2150.	3.317	34.954	256.6	3.145					
2200.	3.270	34.952	255.2	3.094					
2250.	3.218	34.953	256.1	3.038					
2300.	3.087	34.937	252.6	2.905					
2350.	3.052	34.937	250.8	2.865					
2400.	3.027	34.941	252.8	2.837					
2450.	2.967	34.935	251.2	2.772					
2500.	2.926	34.932	251.5	2.728					
2550.	2.870	34.926	250.7	2.667					
2600.	2.850	34.927	249.4	2.643					
2650.	2.826	34.927	250.3	2.615					
2700.	2.773	34.921	250.0	2.558					
2750.	2.751	34.918	248.8	2.531					
2800.	2.736	34.919	248.7	2.511					



Station 82

Station : 83 Campagne : CITHER1
 Date : 29-01-93 Navire : L'ATALANTE
 Profondeur: 4670 m Organisme : IFREMER
 Position : S 5 12.14
 W 32 15.07

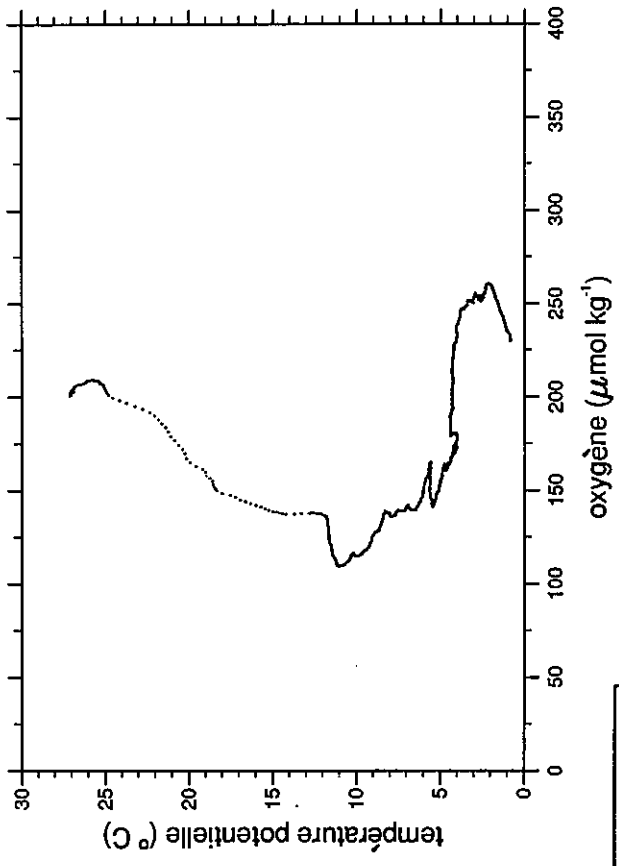
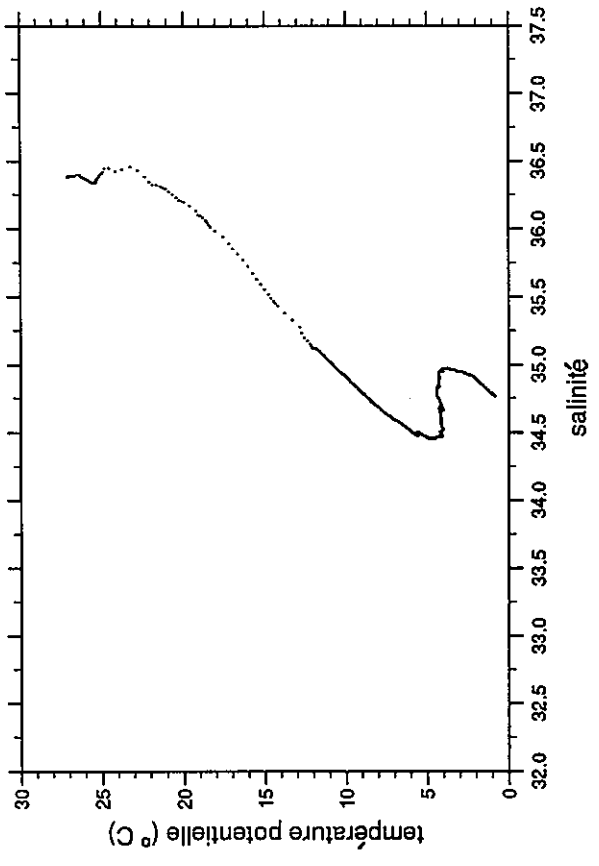
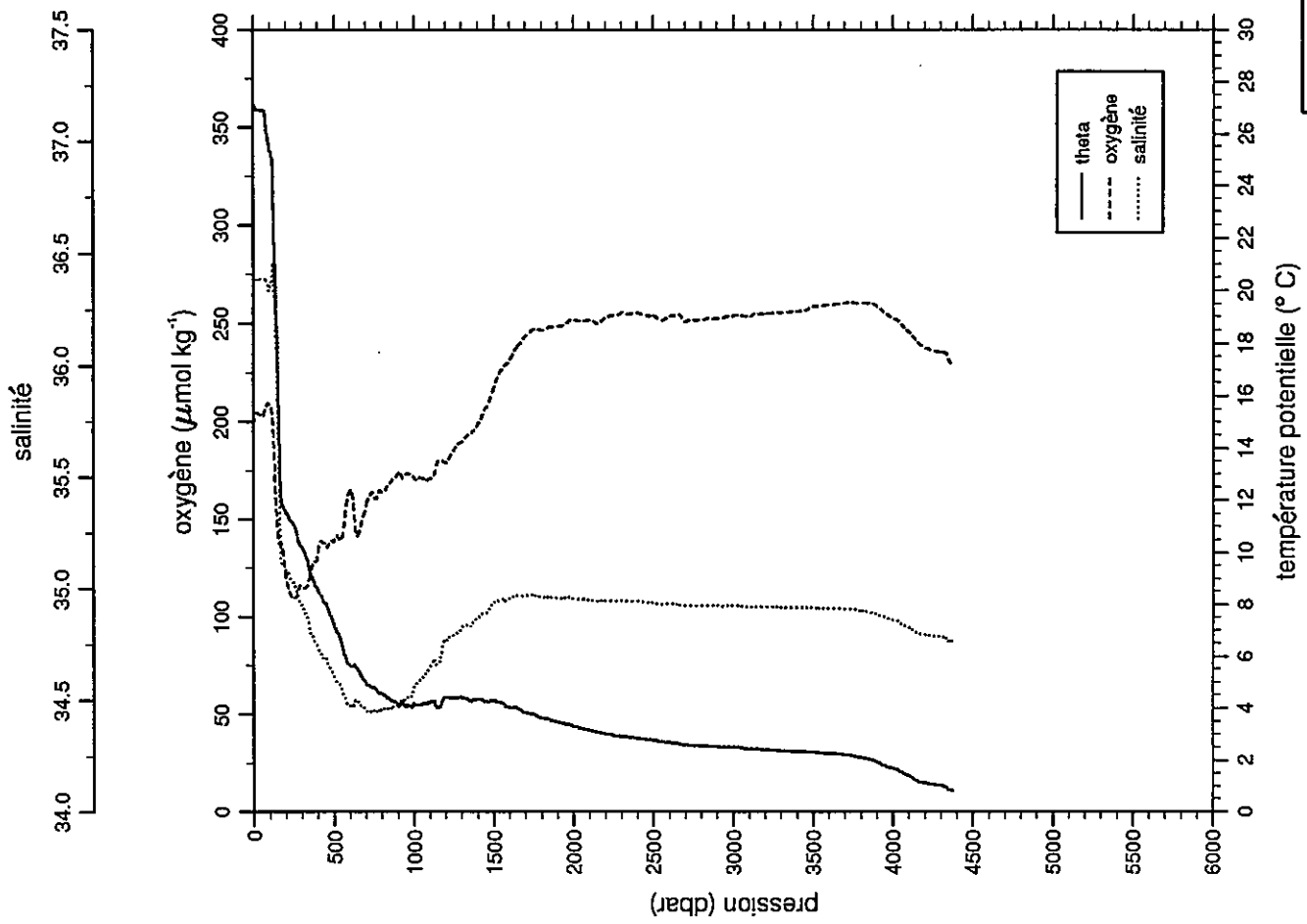
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.887	36.374	205.7	26.886	2850.	2.748	34.922	252.9	2.518
2.	26.884	36.374	206.5	26.883	2900.	2.709	34.918	251.8	2.475
3.	26.882	36.375	206.1	26.882	2950.	2.694	34.919	252.7	2.455
4.	26.883	36.375	205.9	26.882	3000.	2.686	34.919	253.2	2.442
5.	26.885	36.375	205.9	26.884	3050.	2.679	34.919	253.8	2.430
10.	26.890	36.374	206.5	26.888	3100.	2.664	34.919	254.8	2.411
20.	26.891	36.374	207.5	26.887	3150.	2.640	34.918	255.7	2.382
30.	26.892	36.375	206.8	26.885	3200.	2.624	34.917	256.2	2.361
40.	26.895	36.375	205.5	26.886	3250.	2.612	34.917	256.8	2.344
50.	26.894	36.374	204.7	26.883	3300.	2.600	34.916	257.4	2.327
100.	25.681	36.364	212.1	25.659	3350.	2.589	34.915	257.7	2.311
150.	15.327	35.622	127.0	15.304	3400.	2.581	34.914	258.1	2.297
200.	11.506	35.097	105.8	11.480	3450.	2.572	34.914	258.8	2.283
250.	10.259	34.943	98.7	10.230	3500.	2.560	34.913	259.5	2.266
300.	9.494	34.861	83.9	9.460	3550.	2.543	34.912	259.5	2.244
350.	8.783	34.778	96.4	8.745	3600.	2.525	34.911	260.1	2.221
400.	8.167	34.718	96.9	8.125	3650.	2.494	34.909	260.6	2.186
450.	7.677	34.675	95.6	7.632	3700.	2.461	34.906	261.1	2.147
500.	6.992	34.605	113.8	6.945	3750.	2.404	34.901	260.6	2.086
550.	6.510	34.567	118.1	6.460	3800.	2.326	34.893	260.0	2.005
600.	5.856	34.513	135.4	5.803	3850.	2.227	34.884	258.7	1.903
650.	5.377	34.476	147.2	5.322	3900.	2.166	34.877	256.9	1.838
700.	5.145	34.472	150.5	5.087	3950.	2.056	34.864	254.6	1.726
750.	4.772	34.446	168.0	4.712	4000.	1.966	34.854	252.0	1.633
800.	4.555	34.453	165.0	4.492	4050.	1.856	34.839	248.4	1.520
850.	4.471	34.467	166.2	4.405	4100.	1.691	34.822	244.8	1.354
900.	4.110	34.450	178.9	4.042	4150.	1.531	34.803	241.0	1.194
950.	3.948	34.474	181.5	3.877	4200.	1.411	34.789	237.6	1.072
1000.	3.944	34.501	181.0	3.869	4250.	1.283	34.777	235.3	0.942
1050.	4.001	34.574	173.3	3.921	4300.	1.202	34.767	232.7	0.858
1100.	4.059	34.623	178.2	3.974	4350.	1.122	34.759	230.3	0.775
1150.	4.167	34.696	178.6	4.076	4400.	1.034	34.750	229.4	0.685
1200.	4.383	34.779	183.1	4.286	4450.	0.972	34.741	228.0	0.619
1250.	4.301	34.798	188.8	4.201	4500.	0.906	34.733	226.1	0.549
1300.	4.361	34.844	195.9	4.256	4550.	0.843	34.726	224.9	0.482
1350.	4.345	34.867	202.9	4.235	4600.	0.812	34.723	222.8	0.447
1400.	4.339	34.892	208.3	4.225	4650.	0.753	34.716	221.3	0.384
1450.	4.388	34.933	217.6	4.268	4692.	0.732	34.714	219.9	0.360
1500.	4.342	34.955	227.6	4.218					
1550.	4.220	34.961	234.4	4.092					
1600.	4.148	34.969	239.6	4.017					
1650.	4.057	34.974	243.9	3.922					
1700.	3.934	34.976	248.2	3.796					
1750.	3.857	34.977	251.2	3.715					
1800.	3.730	34.970	252.9	3.585					
1850.	3.701	34.975	255.3	3.552					
1900.	3.574	34.961	252.3	3.422					
1950.	3.508	34.958	252.6	3.352					
2000.	3.449	34.962	255.0	3.290					
2050.	3.367	34.960	256.2	3.204					
2100.	3.316	34.959	257.3	3.150					
2150.	3.251	34.953	256.9	3.081					
2200.	3.207	34.950	254.8	3.032					
2250.	3.152	34.946	254.7	2.974					
2300.	3.143	34.947	254.6	2.960					
2350.	3.123	34.945	253.9	2.936					
2400.	3.094	34.945	254.3	2.902					
2450.	3.045	34.940	254.0	2.849					
2500.	3.036	34.942	253.8	2.836					
2550.	2.991	34.940	255.3	2.786					
2600.	2.948	34.936	254.3	2.739					
2650.	2.904	34.935	255.3	2.691					
2700.	2.833	34.926	252.7	2.617					
2750.	2.795	34.924	252.1	2.574					
2800.	2.775	34.924	253.5	2.550					



Station 83

Station : 84 Campagne : CITHER1
 Date : 29-01-93 Navire : L'ATALANTE
 Profondeur: 4395 m Organisme : IFREMER
 Position : S 5 23.98
 W 32 51.97

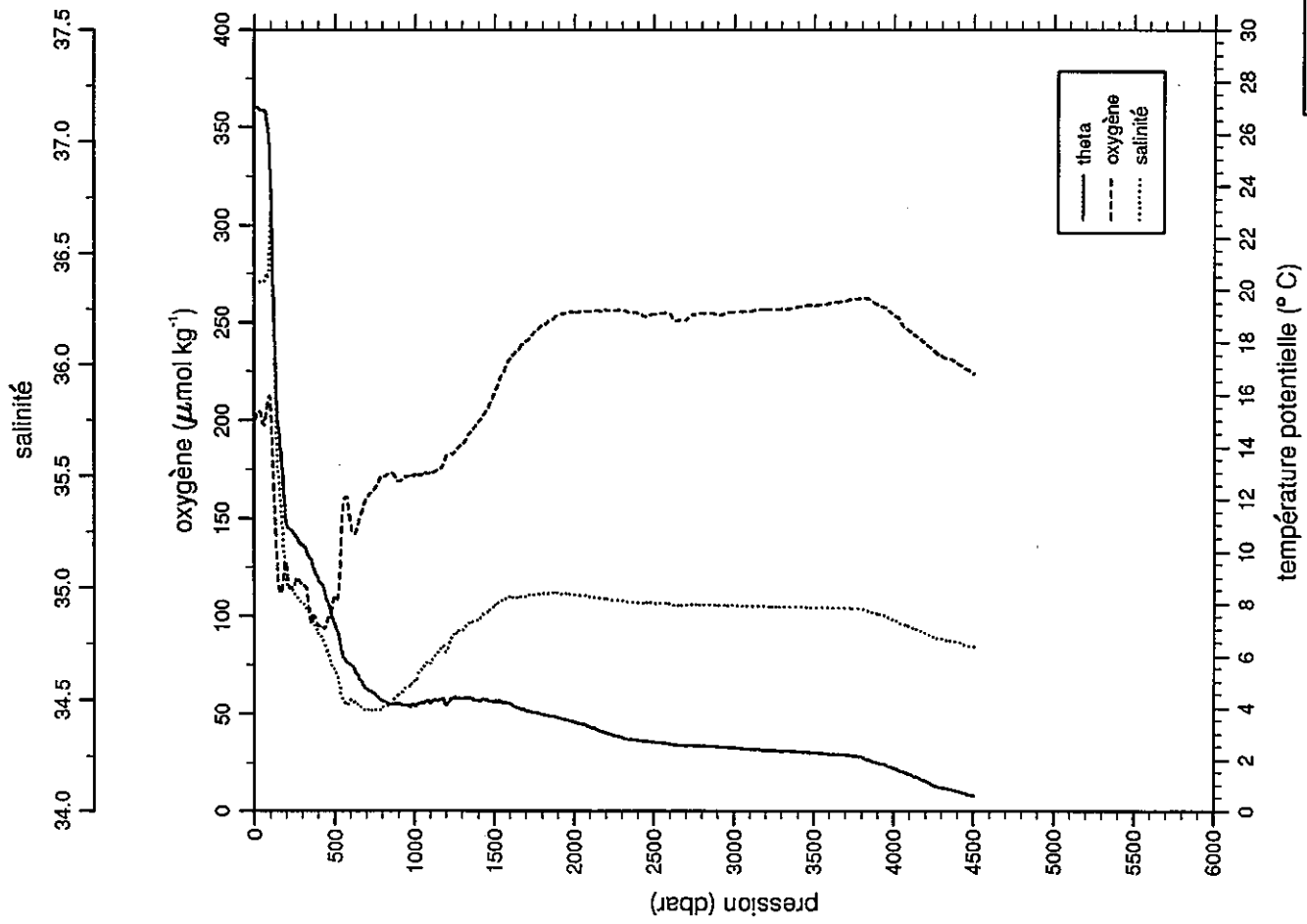
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.057	36.383	202.4	27.057	2850.	2.759	34.925	252.4	2.529
2.	27.057	36.383	201.0	27.057	2900.	2.750	34.924	252.4	2.515
3.	27.098	36.386	200.7	27.097	2950.	2.748	34.925	253.1	2.508
4.	27.092	36.386	200.6	27.091	3000.	2.743	34.925	253.8	2.497
5.	27.089	36.386	201.2	27.088	3050.	2.710	34.922	254.1	2.460
10.	27.025	36.382	203.1	27.023	3100.	2.679	34.919	253.3	2.425
20.	26.945	36.383	204.6	26.940	3150.	2.676	34.921	254.8	2.417
30.	26.935	36.384	204.4	26.928	3200.	2.659	34.919	254.8	2.395
40.	26.926	36.385	203.7	26.917	3250.	2.649	34.920	255.3	2.380
50.	26.922	36.385	202.8	26.910	3300.	2.627	34.917	255.3	2.353
100.	25.368	36.342	208.3	25.346	3350.	2.623	34.917	255.8	2.344
150.	17.221	35.892	146.3	17.196	3400.	2.612	34.916	256.0	2.327
200.	11.559	35.087	120.9	11.534	3450.	2.605	34.917	256.4	2.315
250.	11.053	35.027	109.2	11.022	3500.	2.595	34.917	258.6	2.300
300.	10.204	34.926	115.9	10.169	3550.	2.576	34.915	258.9	2.276
350.	9.244	34.814	120.7	9.205	3600.	2.561	34.914	259.3	2.256
400.	8.562	34.736	132.4	8.520	3650.	2.550	34.914	259.9	2.240
450.	8.069	34.687	136.8	8.022	3700.	2.510	34.911	260.2	2.196
500.	7.282	34.612	138.8	7.233	3750.	2.474	34.908	260.5	2.155
550.	6.509	34.552	140.3	6.458	3800.	2.414	34.902	260.2	2.091
600.	5.682	34.476	164.5	5.630	3850.	2.355	34.897	260.2	2.027
650.	5.513	34.492	141.5	5.458	3900.	2.247	34.885	258.9	1.917
700.	5.021	34.460	155.9	4.964	3950.	2.113	34.871	255.4	1.781
750.	4.839	34.456	162.9	4.779	4000.	2.027	34.860	252.6	1.692
800.	4.605	34.462	164.0	4.542	4050.	1.878	34.844	249.8	1.542
850.	4.384	34.470	168.1	4.318	4100.	1.741	34.828	245.5	1.403
900.	4.195	34.473	173.0	4.126	4150.	1.540	34.805	241.0	1.202
950.	4.132	34.500	172.9	4.060	4200.	1.469	34.796	237.5	1.129
1000.	4.224	34.555	171.5	4.146	4250.	1.412	34.790	236.0	1.067
1050.	4.209	34.597	171.1	4.127	4300.	1.382	34.785	235.1	1.033
1100.	4.286	34.646	170.5	4.200	4350.	1.180	34.765	231.4	0.832
1150.	4.116	34.663	179.2	4.027	4373.	1.161	34.762	230.1	0.810
1200.	4.480	34.768	179.0	4.382					
1250.	4.472	34.794	185.1	4.370					
1300.	4.495	34.829	189.8	4.388					
1350.	4.383	34.834	193.7	4.273					
1400.	4.435	34.869	198.3	4.319					
1450.	4.372	34.893	206.8	4.253					
1500.	4.398	34.934	217.1	4.274					
1550.	4.329	34.953	226.8	4.200					
1600.	4.166	34.954	231.4	4.035					
1650.	4.120	34.967	238.6	3.984					
1700.	3.962	34.971	243.7	3.823					
1750.	3.894	34.971	247.1	3.752					
1800.	3.763	34.963	246.7	3.618					
1850.	3.690	34.962	248.2	3.541					
1900.	3.615	34.959	248.6	3.462					
1950.	3.536	34.958	249.7	3.381					
2000.	3.455	34.957	251.6	3.296					
2050.	3.374	34.952	251.0	3.211					
2100.	3.316	34.951	251.7	3.149					
2150.	3.239	34.945	249.9	3.069					
2200.	3.164	34.947	252.7	2.990					
2250.	3.125	34.947	254.0	2.947					
2300.	3.098	34.948	255.5	2.916					
2350.	3.059	34.945	254.6	2.873					
2400.	3.031	34.944	255.3	2.840					
2450.	2.996	34.940	254.2	2.801					
2500.	2.963	34.938	254.2	2.764					
2550.	2.909	34.932	251.5	2.706					
2600.	2.881	34.933	253.4	2.674					
2650.	2.850	34.932	254.2	2.638					
2700.	2.789	34.926	251.0	2.573					
2750.	2.767	34.924	251.5	2.547					
2800.	2.764	34.924	251.4	2.539					



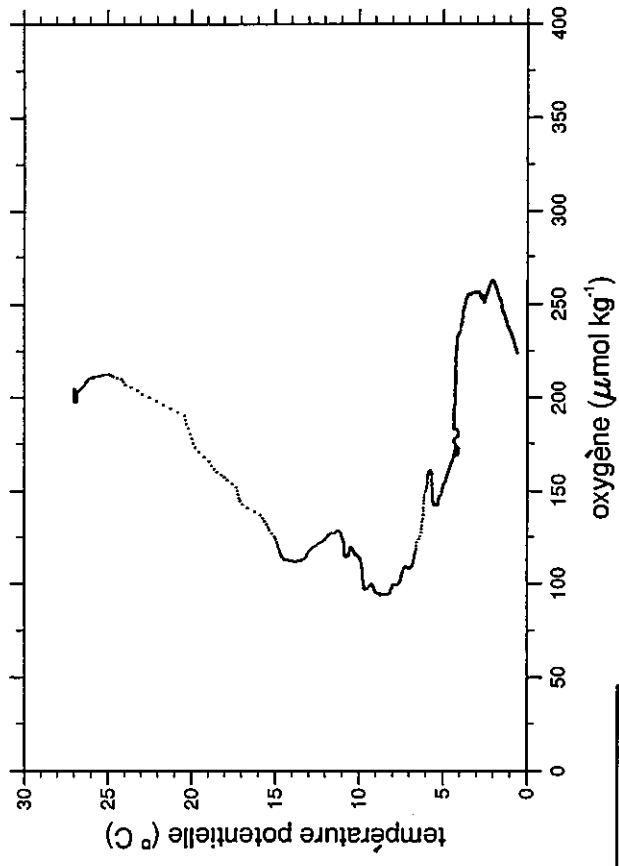
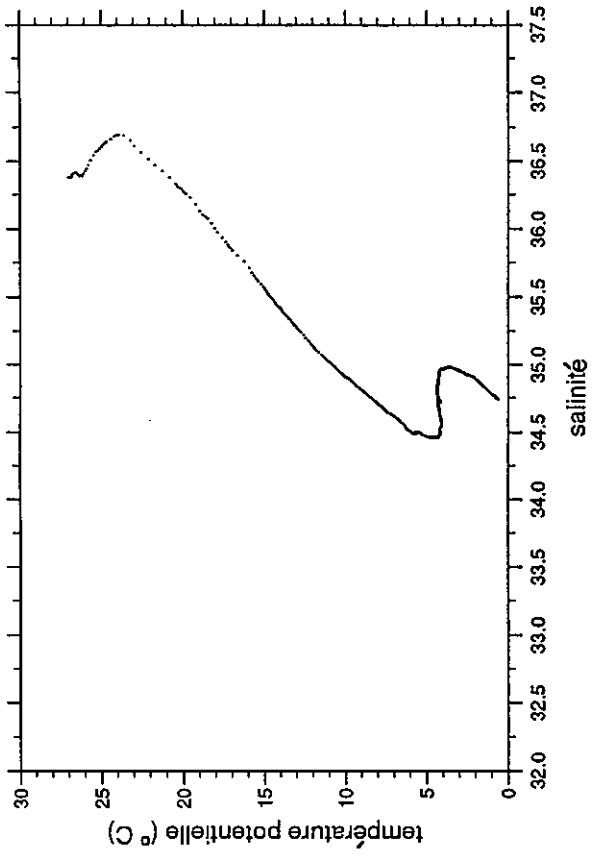
Station 84

Station : 85 Campagne : CITHER1
 Date : 29-01-93 Navire : L'ATALANTE
 Profondeur: 4480 m Organisme : IFREMER
 Position : S 5 25.96
 W 33 30.00

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.002	36.376	200.4	27.002	2850.	2.733	34.925	254.4	2.503
2.	26.997	36.377	197.4	26.997	2900.	2.711	34.922	253.8	2.477
3.	26.999	36.376	197.8	26.999	2950.	2.704	34.924	254.7	2.464
4.	27.001	36.376	198.6	27.000	3000.	2.694	34.923	255.2	2.450
5.	27.002	36.376	199.1	27.000	3050.	2.664	34.921	255.4	2.416
10.	27.005	36.376	201.8	27.003	3100.	2.648	34.920	255.6	2.394
20.	27.009	36.376	204.5	27.005	3150.	2.628	34.920	256.4	2.370
30.	26.957	36.371	204.6	26.950	3200.	2.619	34.919	256.9	2.356
40.	26.939	36.371	204.0	26.930	3250.	2.610	34.917	256.7	2.342
50.	26.934	36.371	199.7	26.922	3300.	2.608	34.917	256.9	2.334
100.	24.435	36.660	210.7	24.413	3350.	2.600	34.917	257.1	2.322
150.	14.776	35.522	118.0	14.753	3400.	2.588	34.916	258.1	2.304
200.	11.083	35.025	126.6	11.058	3450.	2.572	34.916	258.8	2.283
250.	10.642	34.976	115.3	10.612	3500.	2.552	34.914	258.7	2.258
300.	10.286	34.934	116.5	10.251	3550.	2.545	34.914	259.2	2.245
350.	9.728	34.883	97.9	9.687	3600.	2.520	34.912	260.1	2.216
400.	8.903	34.793	94.7	8.859	3650.	2.509	34.911	260.5	2.200
450.	8.190	34.721	95.1	8.143	3700.	2.494	34.911	261.2	2.180
500.	7.269	34.633	109.3	7.221	3750.	2.461	34.909	262.2	2.142
550.	6.056	34.506	151.2	6.008	3800.	2.412	34.905	262.7	2.089
600.	5.681	34.499	147.7	5.630	3850.	2.299	34.894	261.7	1.973
650.	5.226	34.475	147.6	5.172	3900.	2.202	34.883	259.4	1.873
700.	4.751	34.456	160.0	4.695	3950.	2.129	34.875	257.6	1.797
750.	4.584	34.458	164.9	4.525	4000.	1.993	34.859	253.3	1.659
800.	4.335	34.470	171.6	4.274	4050.	1.861	34.841	249.6	1.525
850.	4.213	34.483	172.9	4.148	4100.	1.755	34.828	245.6	1.417
900.	4.244	34.523	168.7	4.175	4150.	1.643	34.815	242.4	1.302
950.	4.191	34.560	171.2	4.118	4200.	1.517	34.801	238.8	1.175
1000.	4.200	34.587	171.7	4.122	4250.	1.336	34.781	235.6	0.993
1050.	4.276	34.641	172.3	4.193	4300.	1.245	34.770	232.9	0.900
1100.	4.267	34.666	173.3	4.180	4350.	1.187	34.765	231.6	0.838
1150.	4.367	34.713	174.8	4.275	4400.	1.114	34.757	229.1	0.762
1200.	4.223	34.716	181.5	4.128	4450.	1.027	34.747	226.3	0.672
1250.	4.471	34.797	183.6	4.369	4500.	0.948	34.738	223.8	0.589
1300.	4.441	34.811	188.0	4.334	4501.	0.948	34.738	223.7	0.590
1350.	4.473	34.849	193.9	4.361					
1400.	4.373	34.861	199.2	4.258					
1450.	4.405	34.888	205.1	4.285					
1500.	4.353	34.916	213.7	4.229					
1550.	4.341	34.946	223.6	4.213					
1600.	4.284	34.962	231.8	4.151					
1650.	4.125	34.962	235.8	3.989					
1700.	4.008	34.963	240.2	3.869					
1750.	3.955	34.973	245.1	3.812					
1800.	3.876	34.974	248.6	3.729					
1850.	3.814	34.975	251.0	3.664					
1900.	3.746	34.977	253.8	3.592					
1950.	3.679	34.976	255.0	3.521					
2000.	3.591	34.970	255.3	3.429					
2050.	3.522	34.968	255.3	3.357					
2100.	3.414	34.962	255.8	3.245					
2150.	3.300	34.957	256.0	3.129					
2200.	3.217	34.954	256.3	3.042					
2250.	3.120	34.949	256.0	2.942					
2300.	3.042	34.945	256.3	2.861					
2350.	2.962	34.939	254.5	2.777					
2400.	2.934	34.937	254.7	2.745					
2450.	2.903	34.935	252.8	2.710					
2500.	2.867	34.933	254.2	2.670					
2550.	2.852	34.933	254.7	2.649					
2600.	2.804	34.928	254.0	2.598					
2650.	2.764	34.923	250.9	2.554					
2700.	2.740	34.922	251.3	2.525					
2750.	2.747	34.926	254.0	2.527					
2800.	2.740	34.926	254.4	2.515					

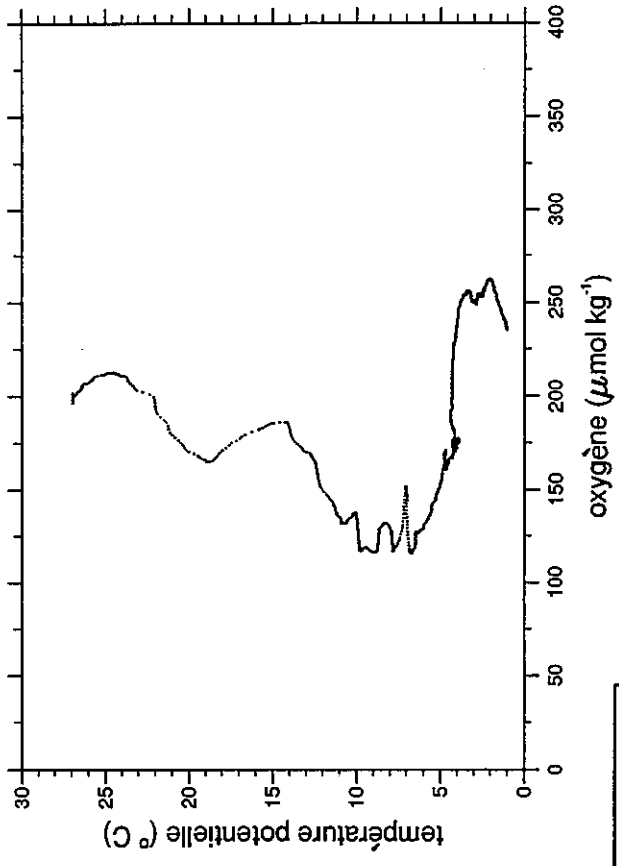
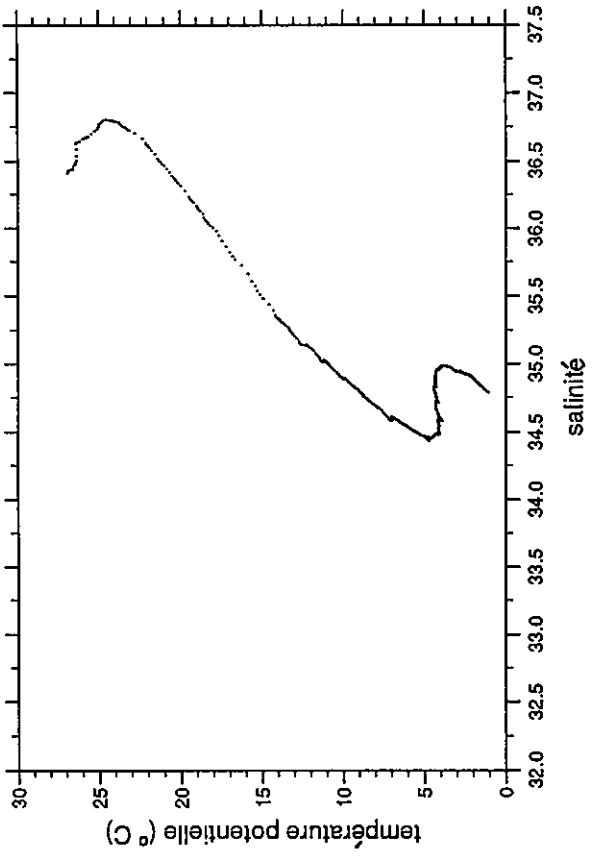
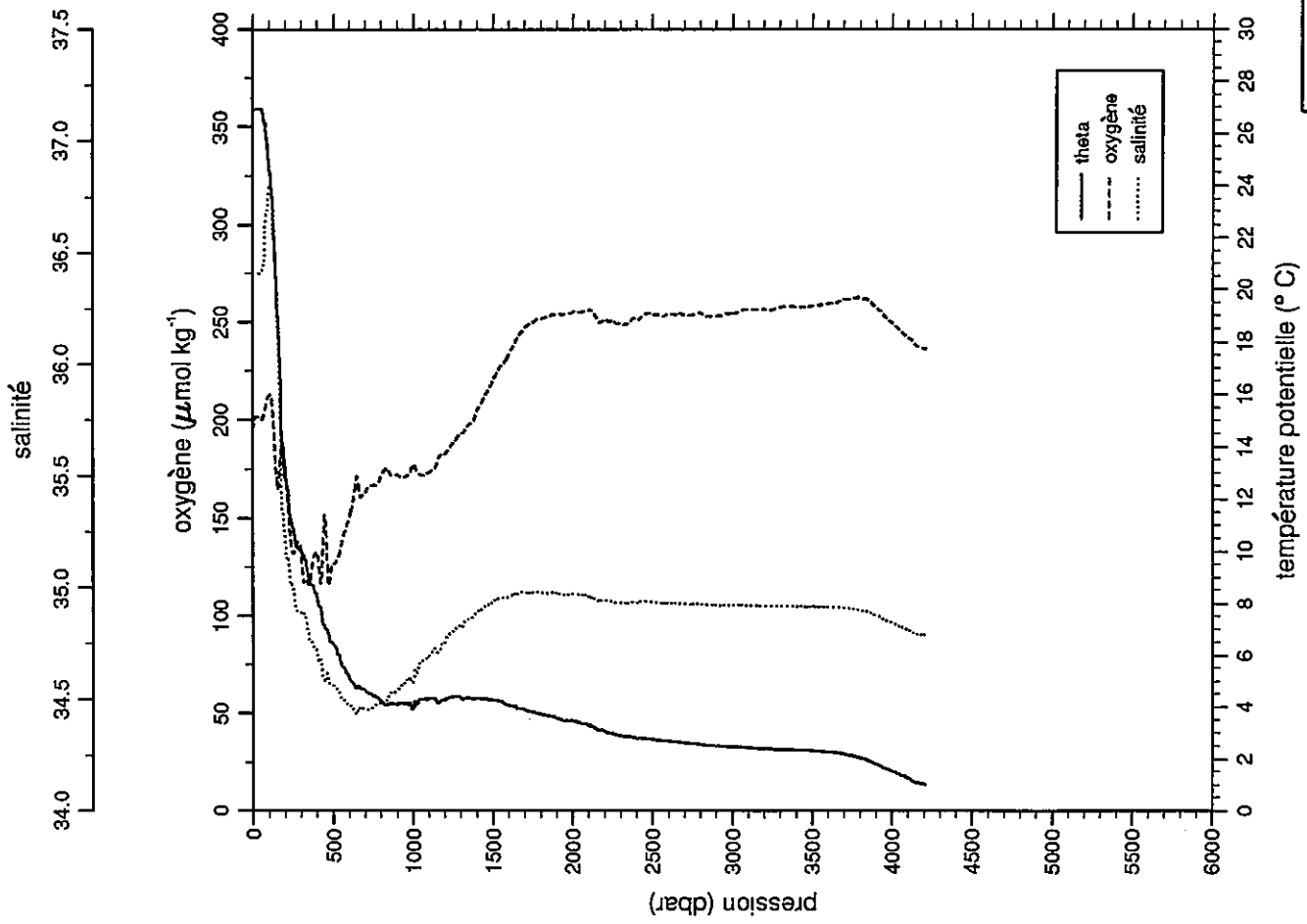


Station 85



Station	: 86	Campagne	: CITHER1
Date	: 30-01-93	Navire	: L'ATALANTE
Profondeur:	4189 m	Organisme	: IFRIMER
Position	: S 5 31.99		
	W 34 1.88		

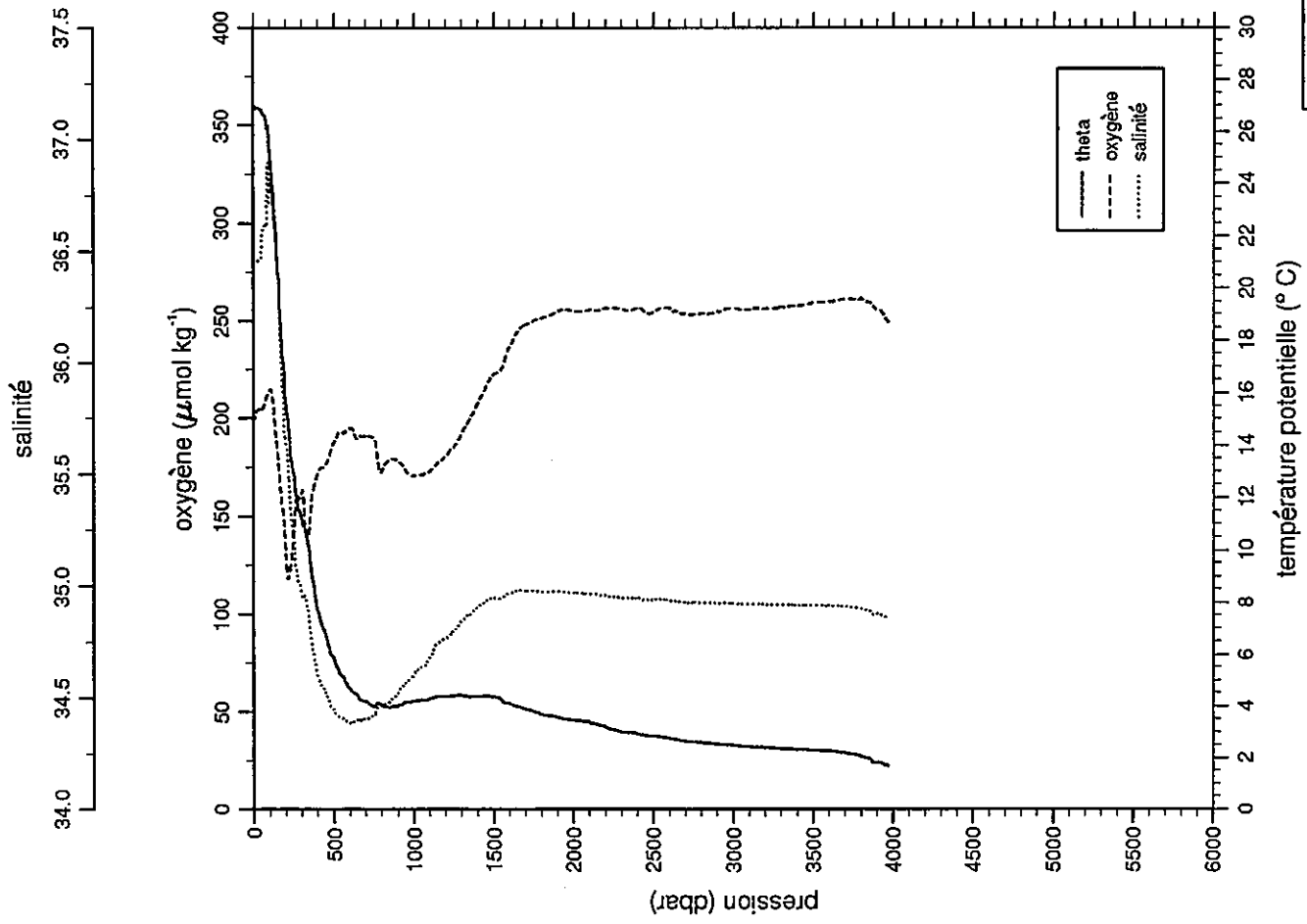
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.924	36.404	198.3	26.924	2850.	2.753	34.924	252.9	2.523
2.	26.924	36.404	197.4	26.924	2900.	2.729	34.923	253.0	2.494
3.	26.925	36.405	196.5	26.924	2950.	2.708	34.924	253.8	2.468
4.	26.925	36.404	196.9	26.925	3000.	2.696	34.923	254.4	2.452
5.	26.926	36.404	197.4	26.925	3050.	2.694	34.924	255.6	2.444
10.	26.922	36.404	199.4	26.920	3100.	2.690	34.923	256.2	2.435
20.	26.935	36.405	201.6	26.930	3150.	2.665	34.921	256.4	2.406
30.	26.931	36.405	201.5	26.924	3200.	2.646	34.919	256.5	2.382
40.	26.933	36.404	201.3	26.924	3250.	2.634	34.919	256.2	2.365
50.	26.936	36.405	200.1	26.924	3300.	2.624	34.919	257.7	2.350
100.	24.921	36.775	212.3	24.899	3350.	2.623	34.920	258.0	2.343
150.	19.406	36.215	167.7	19.379	3400.	2.615	34.918	257.4	2.330
200.	13.180	35.226	170.6	13.152	3450.	2.614	34.917	257.6	2.324
250.	10.924	34.996	132.3	10.893	3500.	2.610	34.917	258.2	2.315
300.	9.980	34.891	131.7	9.945	3550.	2.587	34.916	258.8	2.286
350.	8.868	34.778	116.3	8.830	3600.	2.568	34.915	259.3	2.262
400.	8.275	34.708	132.0	8.233	3650.	2.554	34.914	260.0	2.244
450.	7.107	34.581	150.8	7.064	3700.	2.490	34.911	261.5	2.175
500.	6.440	34.560	127.0	6.394	3750.	2.442	34.907	261.8	2.124
550.	5.708	34.505	135.9	5.661	3800.	2.357	34.900	262.3	2.035
600.	5.158	34.472	150.4	5.109	3850.	2.265	34.891	261.1	1.940
650.	4.749	34.435	170.6	4.698	3900.	2.134	34.874	257.3	1.807
700.	4.671	34.456	162.8	4.616	3950.	1.978	34.857	253.0	1.650
750.	4.479	34.466	166.7	4.421	4000.	1.860	34.843	249.4	1.530
800.	4.228	34.479	171.3	4.167	4050.	1.724	34.827	245.3	1.392
850.	4.185	34.518	173.4	4.120	4100.	1.586	34.810	242.1	1.253
900.	4.160	34.540	172.1	4.091	4150.	1.431	34.794	237.8	1.097
950.	4.181	34.578	170.9	4.108	4200.	1.375	34.788	236.1	1.037
1000.	4.009	34.582	177.4	3.933	4210.	1.350	34.785	235.3	1.011
1050.	4.351	34.665	171.7	4.268					
1100.	4.393	34.698	173.1	4.306					
1150.	4.247	34.710	178.1	4.156					
1200.	4.343	34.757	182.7	4.246					
1250.	4.478	34.807	188.2	4.376					
1300.	4.452	34.833	193.0	4.346					
1350.	4.444	34.860	197.5	4.333					
1400.	4.435	34.893	204.5	4.320					
1450.	4.411	34.920	212.3	4.290					
1500.	4.369	34.939	220.2	4.244					
1550.	4.328	34.956	227.6	4.200					
1600.	4.190	34.962	233.6	4.059					
1650.	4.065	34.973	241.7	3.930					
1700.	4.025	34.981	247.2	3.886					
1750.	3.938	34.980	249.7	3.796					
1800.	3.857	34.979	251.6	3.710					
1850.	3.787	34.978	252.8	3.637					
1900.	3.718	34.975	254.0	3.564					
1950.	3.628	34.971	254.1	3.470					
2000.	3.620	34.974	255.2	3.458					
2050.	3.553	34.969	255.1	3.387					
2100.	3.446	34.964	256.1	3.278					
2150.	3.303	34.945	251.8	3.132					
2200.	3.247	34.946	251.3	3.072					
2250.	3.163	34.942	250.5	2.985					
2300.	3.076	34.935	248.9	2.894					
2350.	3.034	34.936	249.6	2.848					
2400.	2.993	34.935	251.6	2.803					
2450.	2.984	34.939	253.8	2.789					
2500.	2.951	34.937	254.1	2.752					
2550.	2.911	34.933	253.0	2.708					
2600.	2.892	34.934	253.9	2.684					
2650.	2.880	34.934	254.0	2.667					
2700.	2.835	34.930	253.5	2.618					
2750.	2.817	34.930	253.6	2.596					
2800.	2.788	34.928	254.6	2.562					



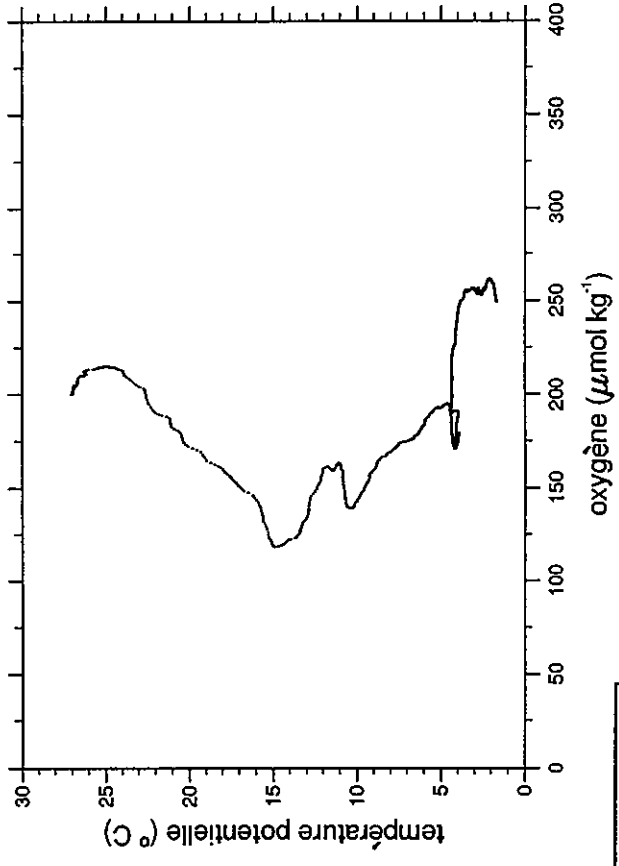
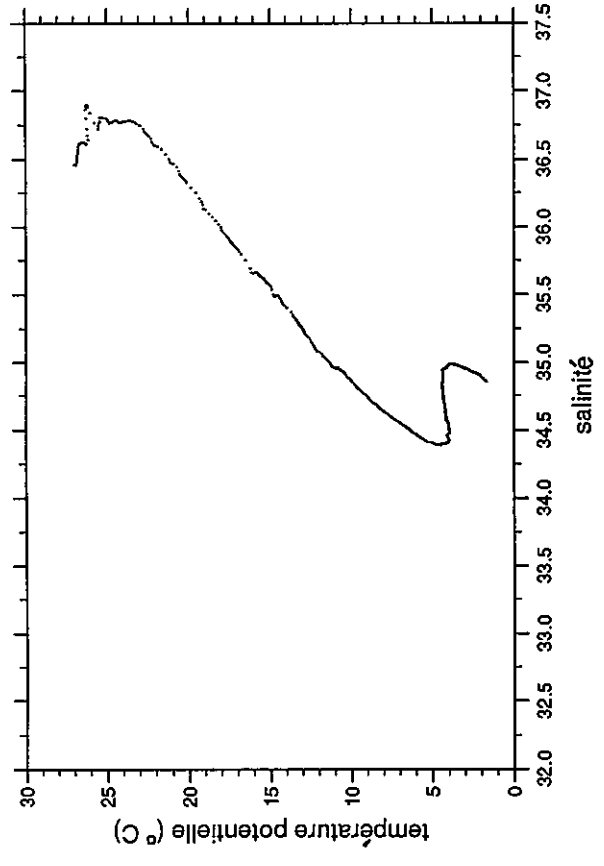
Station 86

Station : 87 Campagne : CITHER1
 Date : 30-01-93 Navire : L'ATALANTE
 Profondeur: 3946 m Organisme : IFREMER
 Position : S 5 33.17
 W 34 20.37

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.959	36.455	201.4	26.959	2850.	2.775	34.927	253.3	2.544
2.	26.959	36.455	200.7	26.959	2900.	2.745	34.926	254.6	2.510
3.	27.005	36.457	199.8	27.004	2950.	2.730	34.927	256.0	2.490
4.	27.004	36.456	199.9	27.004	3000.	2.718	34.926	256.3	2.473
5.	26.992	36.456	200.4	26.991	3050.	2.685	34.923	255.6	2.435
10.	26.935	36.454	202.4	26.933	3100.	2.671	34.922	255.8	2.417
20.	26.912	36.454	204.0	26.907	3150.	2.663	34.922	256.5	2.404
30.	26.907	36.455	204.3	26.900	3200.	2.649	34.920	255.9	2.385
40.	26.900	36.458	205.0	26.890	3250.	2.631	34.919	256.3	2.362
50.	26.827	36.510	204.4	26.815	3300.	2.624	34.919	257.2	2.350
100.	25.223	36.803	214.7	25.201	3350.	2.603	34.918	257.5	2.324
150.	20.748	36.438	180.8	20.719	3400.	2.594	34.917	257.7	2.310
200.	15.602	35.633	132.3	15.571	3450.	2.585	34.917	258.3	2.296
250.	12.887	35.214	141.3	12.852	3500.	2.579	34.917	259.3	2.285
300.	11.192	34.964	163.2	11.154	3550.	2.565	34.916	259.7	2.265
350.	9.728	34.821	147.6	9.688	3600.	2.560	34.915	259.8	2.255
400.	7.649	34.599	172.2	7.610	3650.	2.530	34.913	260.1	2.220
450.	6.724	34.522	176.4	6.683	3700.	2.491	34.911	261.2	2.177
500.	5.835	34.449	187.6	5.792	3750.	2.451	34.907	260.9	2.132
550.	5.177	34.408	193.1	5.132	3800.	2.364	34.900	261.4	2.042
600.	4.667	34.387	195.2	4.621	3850.	2.288	34.891	259.4	1.963
650.	4.404	34.398	189.8	4.355	3900.	2.156	34.876	255.8	1.829
700.	4.190	34.406	190.8	4.138	3950.	2.031	34.862	251.5	1.701
750.	4.020	34.426	190.2	3.965	3966.	2.009	34.859	249.3	1.679
800.	4.074	34.470	173.2	4.014					
850.	3.999	34.483	179.4	3.936					
900.	4.048	34.514	178.4	3.980					
950.	4.203	34.568	173.0	4.130					
1000.	4.249	34.613	170.6	4.172					
1050.	4.293	34.639	171.0	4.210					
1100.	4.345	34.682	172.8	4.257					
1150.	4.422	34.745	177.6	4.330					
1200.	4.446	34.769	180.8	4.348					
1250.	4.462	34.805	185.4	4.360					
1300.	4.483	34.846	192.8	4.376					
1350.	4.444	34.874	199.7	4.333					
1400.	4.452	34.905	207.8	4.337					
1450.	4.480	34.936	216.4	4.359					
1500.	4.449	34.950	222.5	4.324					
1550.	4.343	34.953	225.7	4.214					
1600.	4.214	34.973	236.7	4.082					
1650.	4.095	34.983	244.8	3.960					
1700.	4.011	34.982	247.9	3.872					
1750.	3.924	34.981	250.1	3.782					
1800.	3.796	34.977	251.3	3.650					
1850.	3.766	34.977	252.7	3.616					
1900.	3.711	34.978	255.0	3.557					
1950.	3.635	34.975	255.8	3.478					
2000.	3.594	34.971	254.8	3.432					
2050.	3.570	34.971	254.7	3.404					
2100.	3.541	34.971	255.6	3.371					
2150.	3.446	34.964	255.1	3.272					
2200.	3.363	34.962	256.4	3.186					
2250.	3.256	34.956	256.5	3.076					
2300.	3.176	34.953	256.2	2.992					
2350.	3.151	34.951	255.1	2.963					
2400.	3.107	34.948	255.9	2.914					
2450.	3.056	34.945	254.6	2.860					
2500.	3.042	34.945	254.6	2.841					
2550.	3.003	34.944	256.5	2.798					
2600.	2.959	34.941	256.7	2.750					
2650.	2.895	34.933	254.2	2.683					
2700.	2.844	34.931	253.3	2.627					
2750.	2.820	34.930	252.9	2.599					
2800.	2.808	34.930	253.6	2.582					

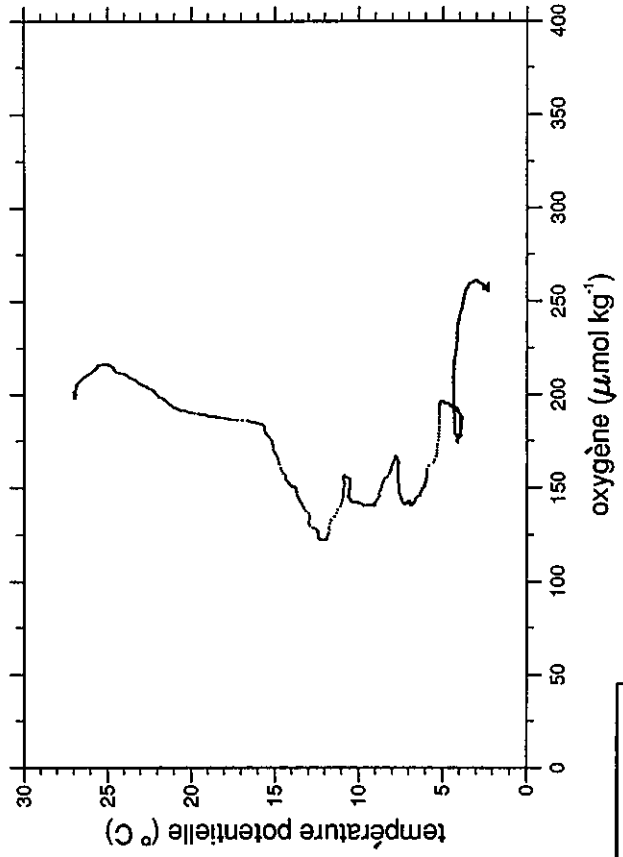
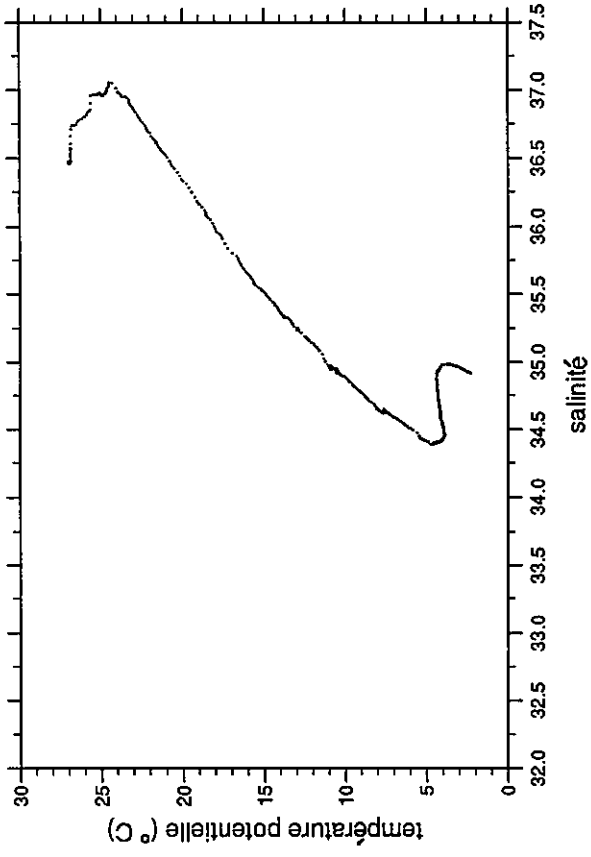
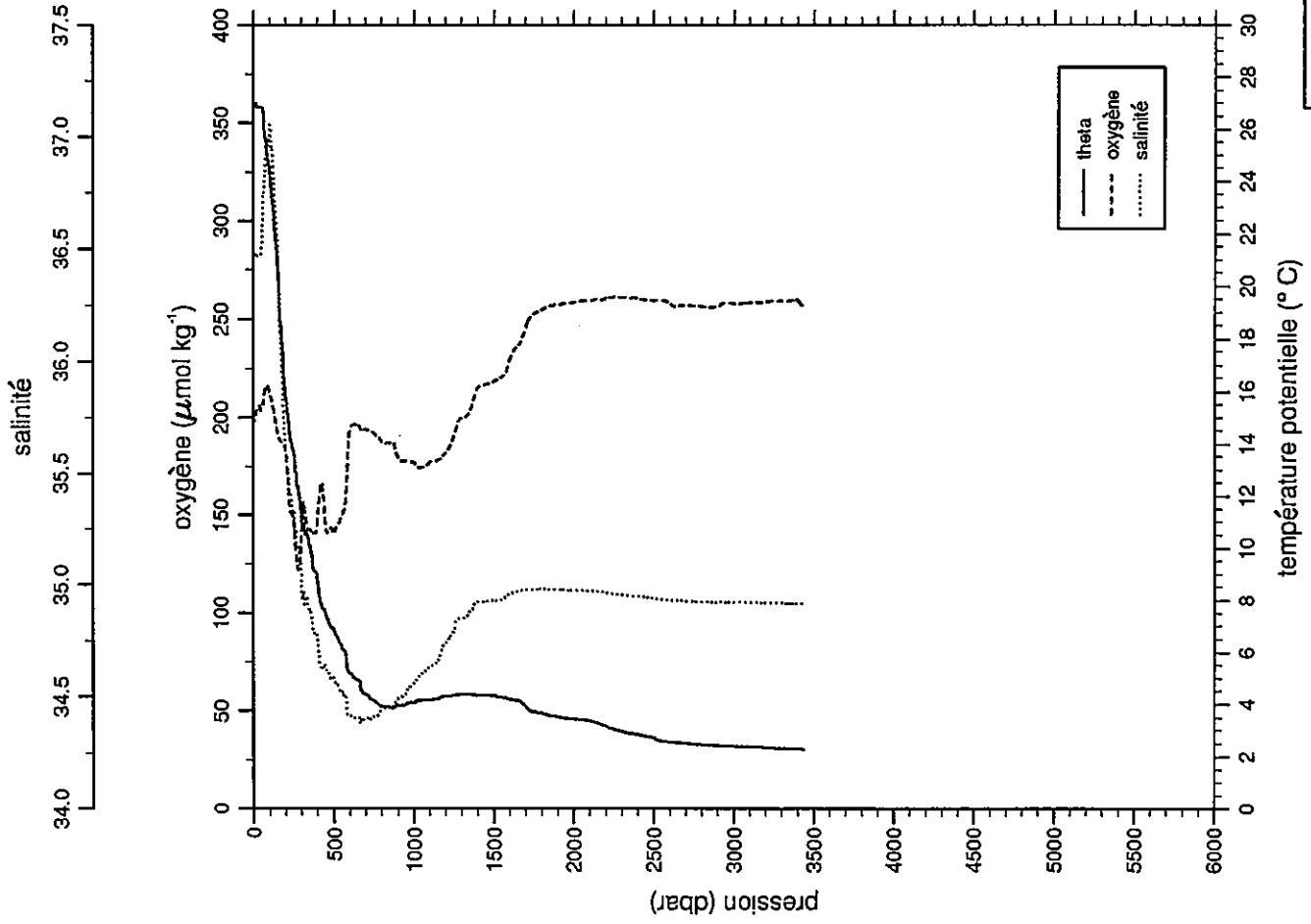


Station 87



Station : 88 Campagne : CITHER1
 Date : 30-01-93 Navire : L'ATALANTE
 Profondeur: 3378 m Organisme : IFREMER
 Position : S 5 34.53
 W 34 36.14

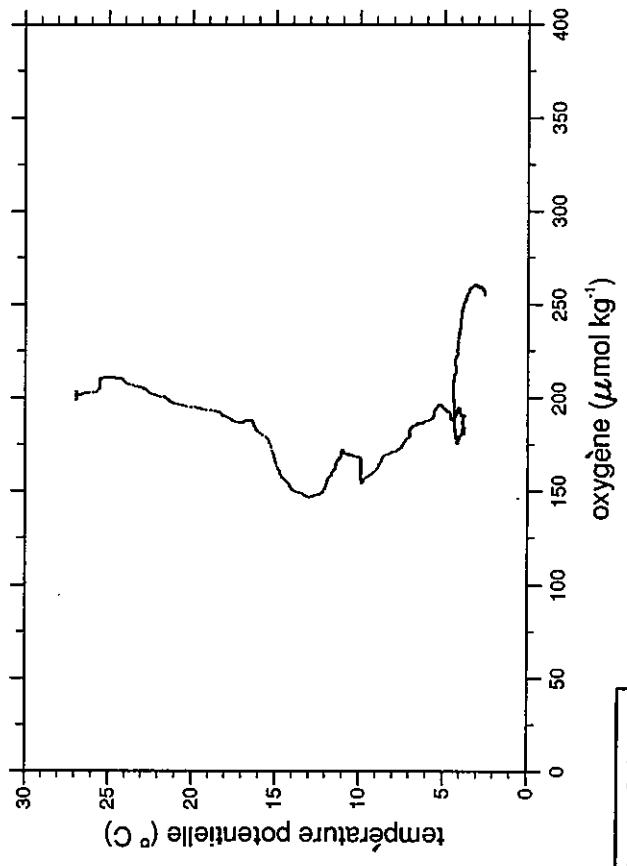
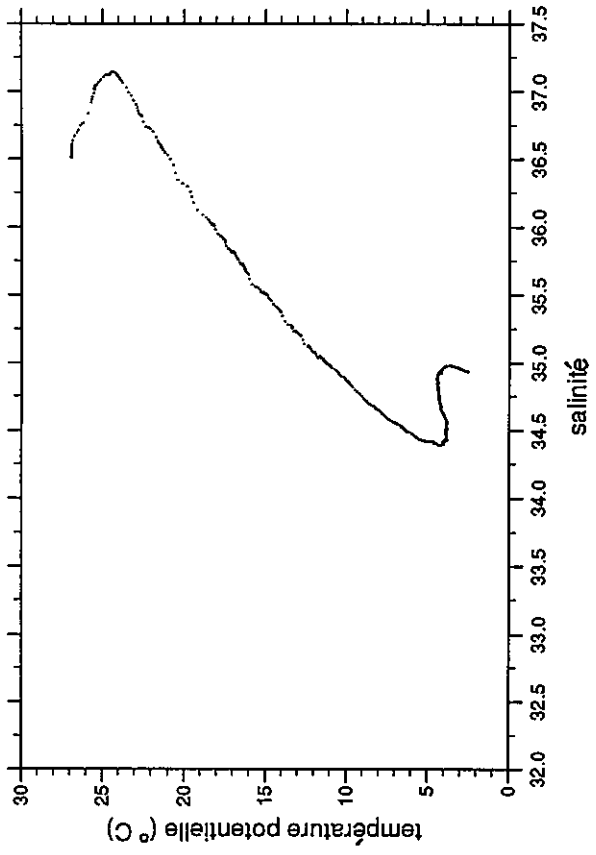
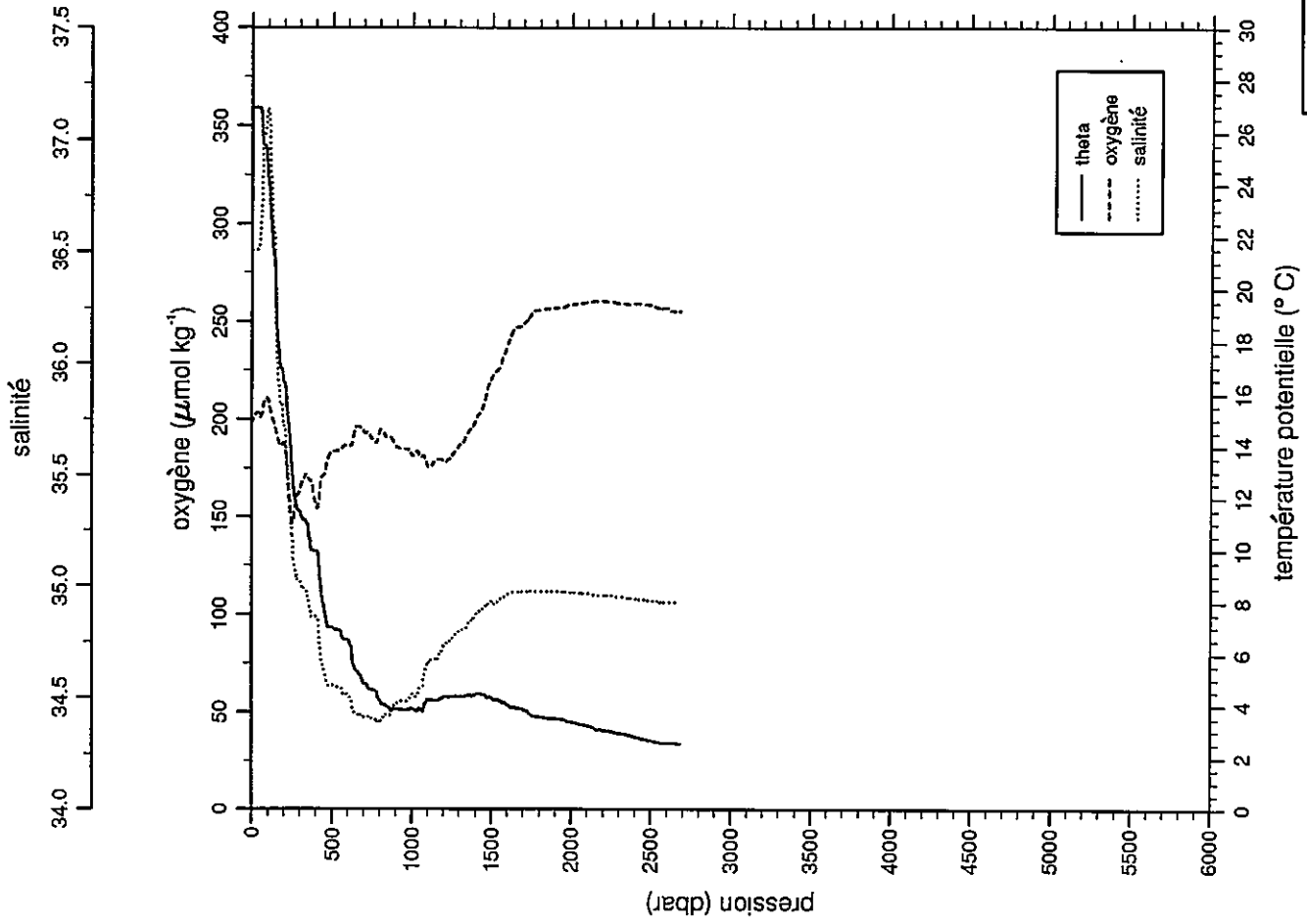
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.941	36.470	199.6	26.940	2850.	2.672	34.923	256.1	2.444
2.	26.941	36.470	199.4	26.940	2900.	2.672	34.924	256.7	2.438
3.	27.002	36.472	199.5	27.001	2950.	2.666	34.924	258.0	2.428
4.	26.973	36.471	197.9	26.972	3000.	2.658	34.923	257.7	2.415
5.	26.948	36.469	198.5	26.947	3050.	2.649	34.922	257.9	2.400
10.	26.921	36.472	200.3	26.919	3100.	2.640	34.921	258.1	2.386
20.	26.878	36.467	203.2	26.874	3150.	2.639	34.920	258.2	2.381
30.	26.869	36.469	205.0	26.862	3200.	2.615	34.919	258.7	2.352
40.	26.860	36.470	205.2	26.851	3250.	2.609	34.919	259.0	2.340
50.	26.860	36.510	204.0	26.849	3300.	2.604	34.919	259.0	2.330
100.	24.509	37.028	212.7	24.488	3350.	2.589	34.918	259.2	2.311
150.	20.941	36.502	192.7	20.912	3400.	2.580	34.917	259.4	2.296
200.	15.813	35.619	183.8	15.782	3436.	2.579	34.917	255.3	2.291
250.	13.730	35.332	147.3	13.694					
300.	11.143	34.978	140.2	11.106					
350.	10.137	34.889	142.4	10.096					
400.	8.773	34.733	148.0	8.730					
450.	7.497	34.630	144.9	7.452					
500.	6.896	34.581	140.7	6.849					
550.	6.295	34.526	149.4	6.246					
600.	5.232	34.418	193.9	5.183					
650.	4.978	34.409	195.7	4.925					
700.	4.429	34.404	194.0	4.375					
750.	4.171	34.408	191.8	4.115					
800.	3.970	34.439	187.6	3.911					
850.	3.947	34.450	187.0	3.884					
900.	4.014	34.489	179.8	3.946					
950.	4.064	34.519	177.4	3.992					
1000.	4.135	34.559	176.6	4.059					
1050.	4.215	34.602	174.6	4.133					
1100.	4.227	34.630	176.8	4.141					
1150.	4.272	34.659	177.8	4.181					
1200.	4.393	34.741	182.1	4.296					
1250.	4.428	34.797	190.1	4.327					
1300.	4.462	34.850	199.8	4.356					
1350.	4.478	34.879	203.3	4.367					
1400.	4.451	34.924	215.0	4.335					
1450.	4.451	34.928	216.7	4.330					
1500.	4.463	34.933	218.2	4.337					
1550.	4.384	34.935	220.6	4.255					
1600.	4.300	34.957	229.6	4.167					
1650.	4.259	34.970	236.3	4.121					
1700.	4.034	34.978	245.6	3.895					
1750.	3.864	34.980	253.0	3.722					
1800.	3.814	34.981	255.0	3.669					
1850.	3.729	34.979	256.6	3.580					
1900.	3.699	34.979	257.4	3.545					
1950.	3.648	34.977	258.1	3.490					
2000.	3.624	34.977	258.5	3.462					
2050.	3.593	34.975	259.1	3.427					
2100.	3.555	34.974	259.3	3.384					
2150.	3.466	34.969	259.7	3.292					
2200.	3.350	34.965	260.5	3.174					
2250.	3.222	34.959	261.1	3.043					
2300.	3.152	34.957	260.9	2.968					
2350.	3.096	34.954	260.6	2.909					
2400.	3.048	34.951	260.3	2.857					
2450.	2.994	34.946	259.6	2.799					
2500.	2.938	34.943	259.2	2.739					
2550.	2.823	34.936	259.2	2.621					
2600.	2.781	34.931	257.6	2.575					
2650.	2.770	34.931	256.7	2.559					
2700.	2.745	34.929	256.9	2.531					
2750.	2.703	34.926	256.7	2.484					
2800.	2.694	34.925	256.3	2.471					



Station 88

Station	: 89	Campagne	: CITHER1
Date	: 31-01-93	Navire	: L'ATALANTE
Profondeur	: 2584 m	Organisme	: IFREMER
Position	: S 5 37.70		
	W 34 49.39		

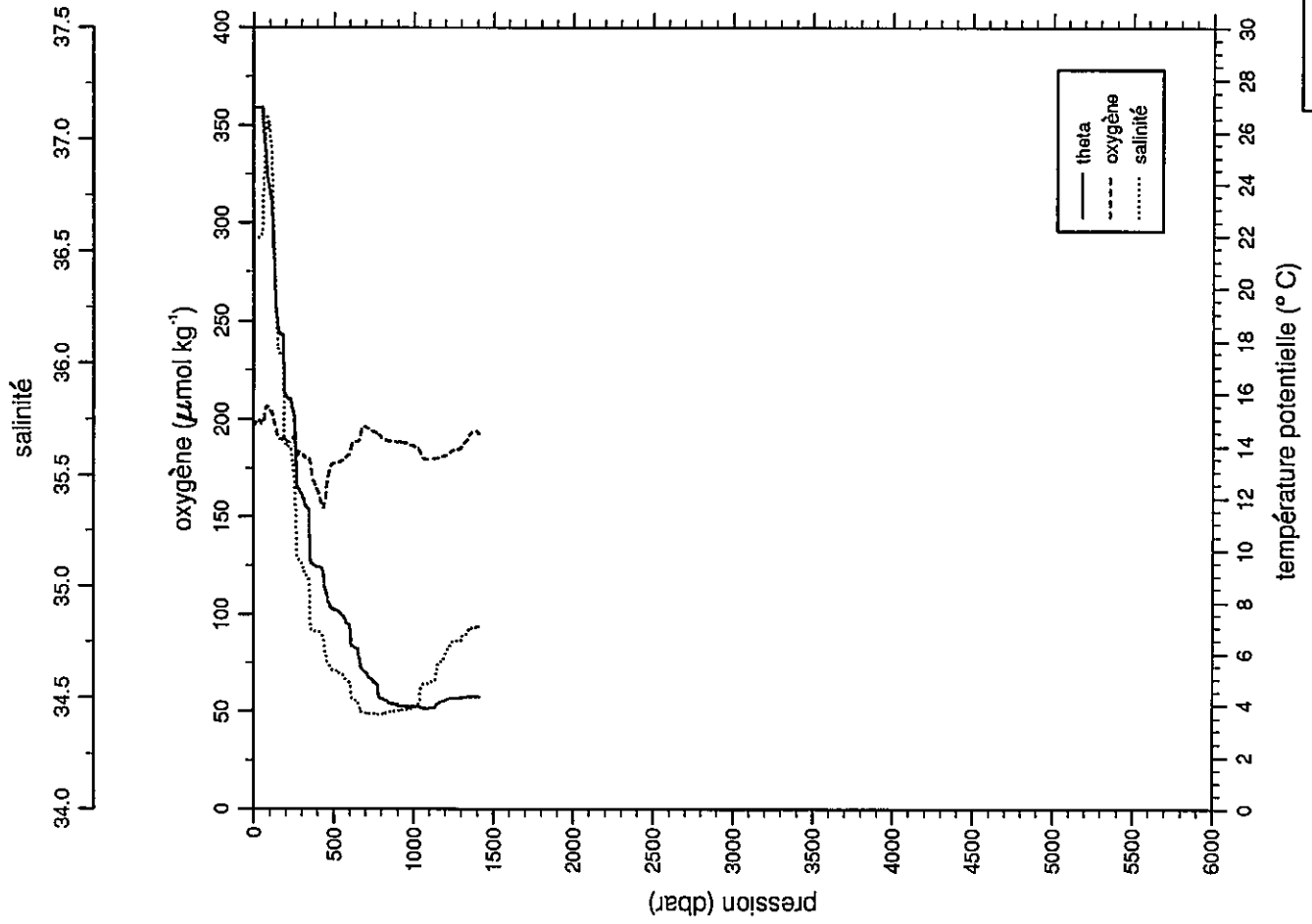
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.946	36.507	200.2	26.946
2.	26.946	36.507	200.2	26.946
3.	26.946	36.507	198.7	26.945
4.	26.946	36.506	199.0	26.945
5.	26.946	36.506	199.7	26.945
10.	26.946	36.507	200.9	26.944
20.	26.947	36.507	202.3	26.943
30.	26.942	36.509	203.0	26.935
40.	26.925	36.514	203.3	26.915
50.	26.914	36.561	201.1	26.903
100.	24.223	37.133	210.0	24.202
150.	19.558	36.220	194.2	19.531
200.	16.436	35.726	187.5	16.404
250.	13.193	35.236	147.1	13.158
300.	11.463	35.023	164.4	11.425
350.	10.975	34.965	170.3	10.931
400.	9.963	34.862	156.0	9.917
450.	7.870	34.628	171.5	7.824
500.	7.047	34.557	183.0	7.000
550.	6.917	34.546	184.2	6.865
600.	6.572	34.515	186.6	6.516
650.	5.398	34.427	195.9	5.344
700.	4.890	34.417	193.5	4.834
750.	4.647	34.409	190.4	4.588
800.	4.226	34.393	194.0	4.165
850.	3.992	34.426	190.7	3.929
900.	3.931	34.473	186.3	3.864
950.	3.911	34.485	184.9	3.840
1000.	3.947	34.511	182.0	3.871
1050.	3.951	34.543	181.2	3.872
1100.	4.303	34.662	176.3	4.216
1150.	4.261	34.676	179.2	4.170
1200.	4.400	34.733	178.6	4.303
1250.	4.428	34.768	181.1	4.326
1300.	4.452	34.800	186.9	4.346
1350.	4.477	34.827	192.9	4.366
1400.	4.527	34.874	199.7	4.410
1450.	4.534	34.904	207.6	4.412
1500.	4.412	34.935	220.9	4.288
1550.	4.290	34.942	227.1	4.162
1600.	4.141	34.964	237.9	4.010
1650.	4.033	34.974	246.6	3.899
1700.	3.975	34.977	248.7	3.836
1750.	3.790	34.977	254.2	3.649
1800.	3.728	34.977	255.9	3.583
1850.	3.694	34.976	256.6	3.545
1900.	3.659	34.975	257.1	3.506
1950.	3.642	34.975	257.6	3.484
2000.	3.538	34.972	258.8	3.377
2050.	3.451	34.969	259.6	3.286
2100.	3.399	34.966	260.0	3.231
2150.	3.262	34.960	260.6	3.091
2200.	3.220	34.958	260.5	3.045
2250.	3.198	34.957	260.2	3.019
2300.	3.126	34.952	259.5	2.943
2350.	3.083	34.949	259.0	2.896
2400.	3.007	34.946	259.2	2.817
2450.	2.924	34.941	259.1	2.730
2500.	2.858	34.937	258.6	2.661
2550.	2.802	34.933	257.0	2.601
2600.	2.769	34.932	256.9	2.563
2650.	2.771	34.932	255.2	2.561
2682.	2.763	34.931	255.4	2.549



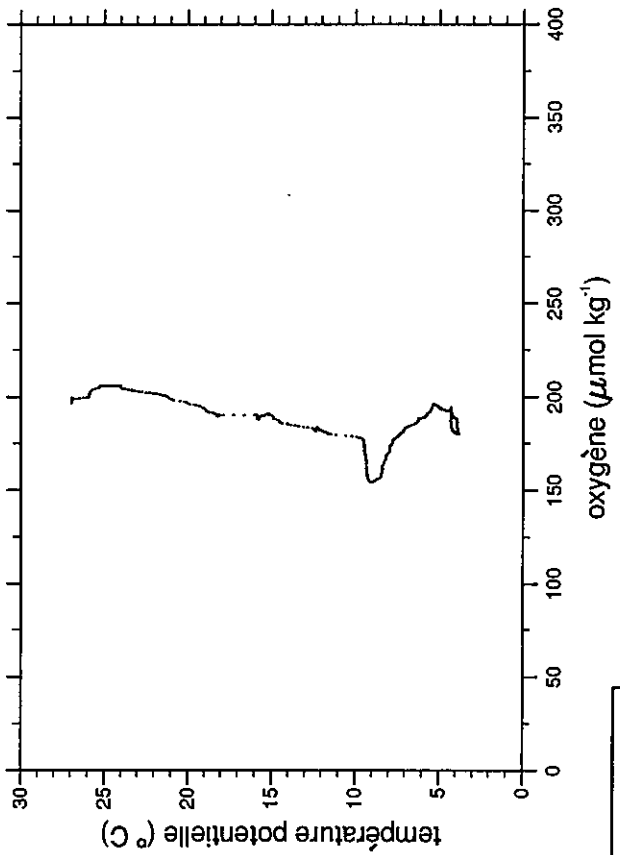
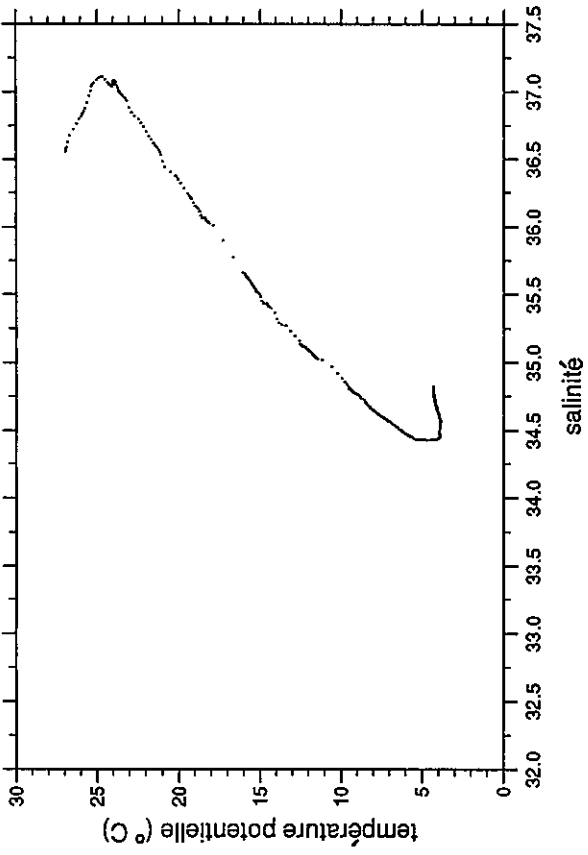
Station 89

Station : 90 Campagne : CITHER1
 Date : 31-01-93 Navire : L'ATALANTE
 Profondeur: 1468 m Organisme : IFREMER
 Position : S 5 38.47
 W 34 54.35

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.940	36.559	197.5	26.940
2.	26.940	36.561	196.8	26.940
3.	26.944	36.561	196.7	26.943
4.	26.946	36.560	197.2	26.945
5.	26.943	36.559	197.6	26.942
10.	26.939	36.558	198.3	26.937
20.	26.941	36.559	198.9	26.936
30.	26.942	36.559	198.7	26.935
40.	26.946	36.560	199.4	26.936
50.	26.944	36.568	198.0	26.933
100.	23.755	37.032	204.1	23.734
150.	18.655	36.082	191.5	18.628
200.	15.889	35.643	190.0	15.857
250.	15.257	35.519	190.8	15.218
300.	12.165	35.103	182.3	12.125
350.	10.239	34.918	178.8	10.198
400.	9.385	34.795	163.1	9.340
450.	8.443	34.690	160.5	8.395
500.	7.727	34.617	177.4	7.676
550.	7.529	34.600	178.8	7.475
600.	7.090	34.565	183.4	7.032
650.	6.210	34.484	188.5	6.151
700.	5.316	34.430	196.0	5.258
750.	4.954	34.427	193.7	4.893
800.	4.303	34.427	190.4	4.242
850.	4.113	34.435	188.8	4.049
900.	4.083	34.438	188.4	4.015
950.	4.018	34.444	187.9	3.946
1000.	4.003	34.455	186.4	3.927
1050.	3.964	34.554	181.7	3.885
1100.	3.948	34.566	179.9	3.865
1150.	4.128	34.639	180.3	4.038
1200.	4.270	34.699	181.8	4.174
1250.	4.372	34.751	184.4	4.271
1300.	4.401	34.772	185.8	4.295
1350.	4.422	34.809	192.1	4.312
1400.	4.425	34.819	193.7	4.309
1408.	4.429	34.821	192.7	4.313

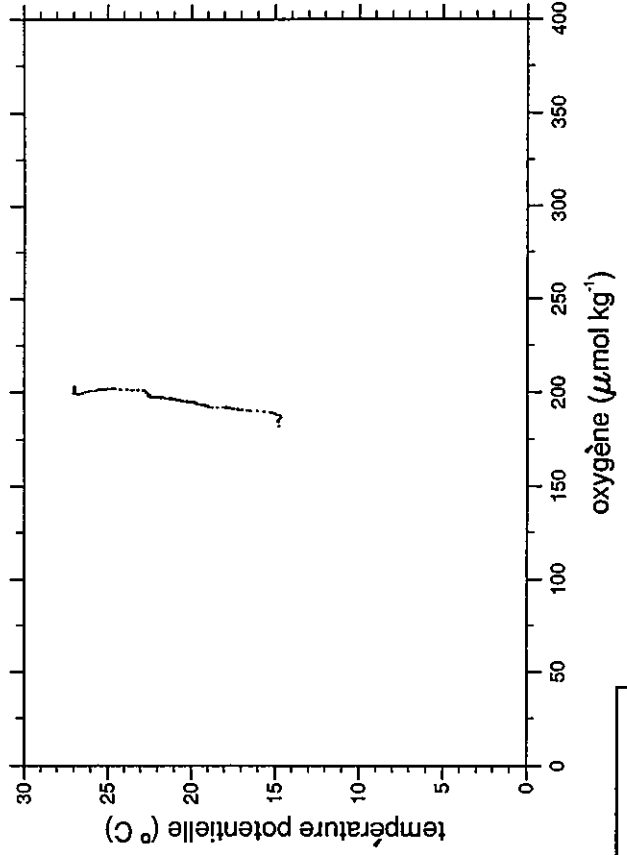
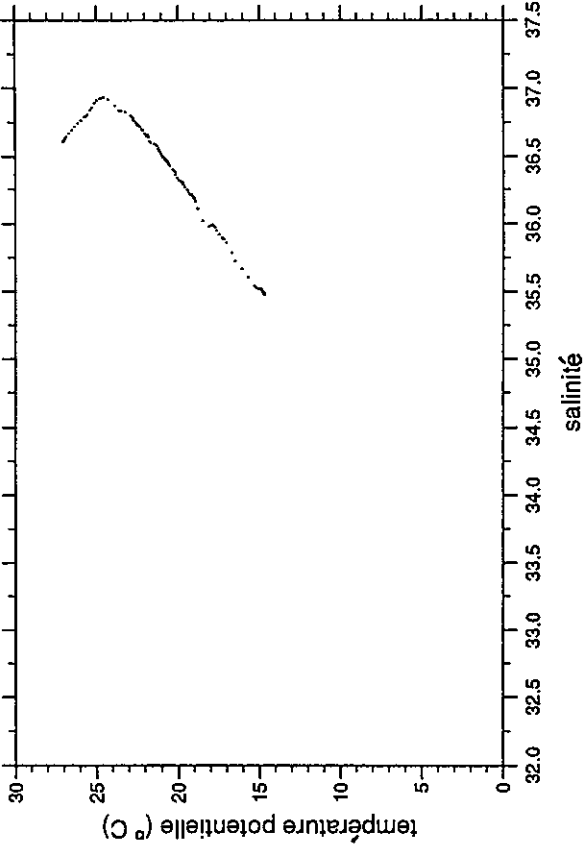
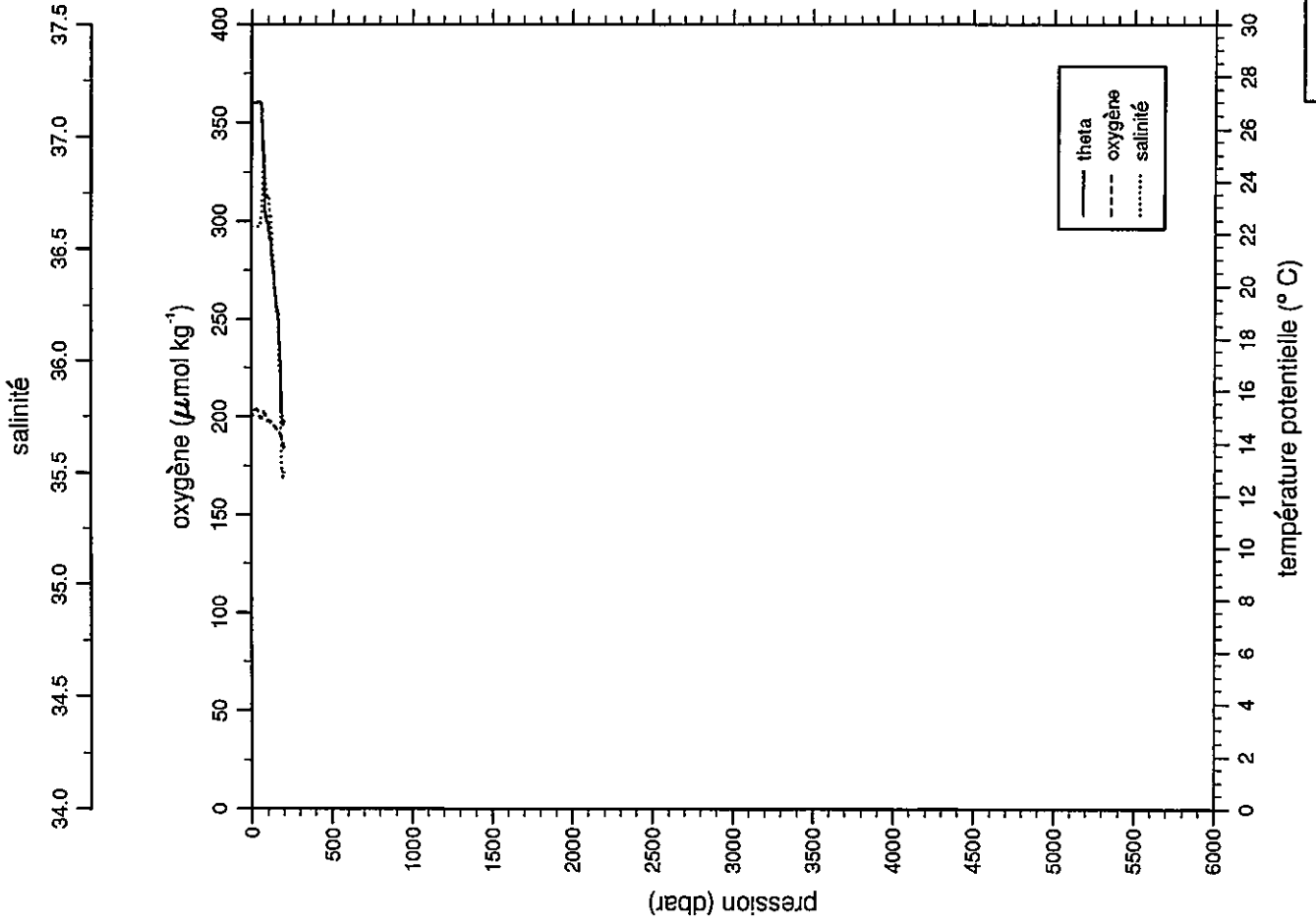


Station 90



Station	: 91	Campagne	: CITHER1
Date	: 31-01-93	Navire	: L'ATALANTE
Profondeur:	320 m	Organisme	: IFREMER
Position	: S 5 39.43		
	W 34 57.70		

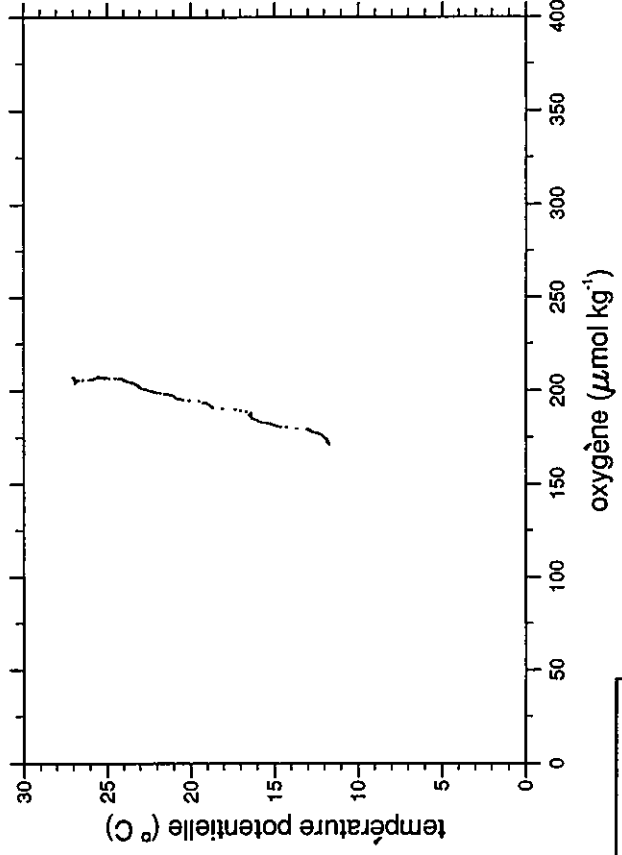
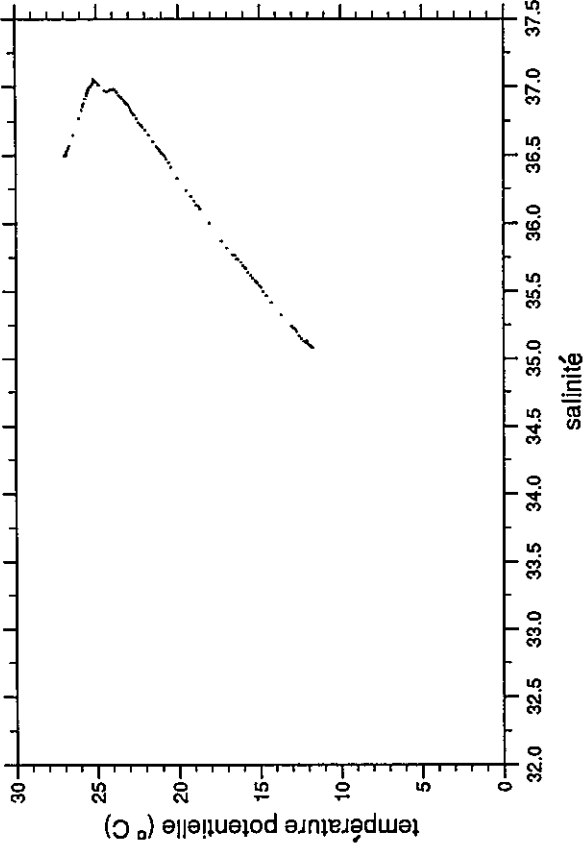
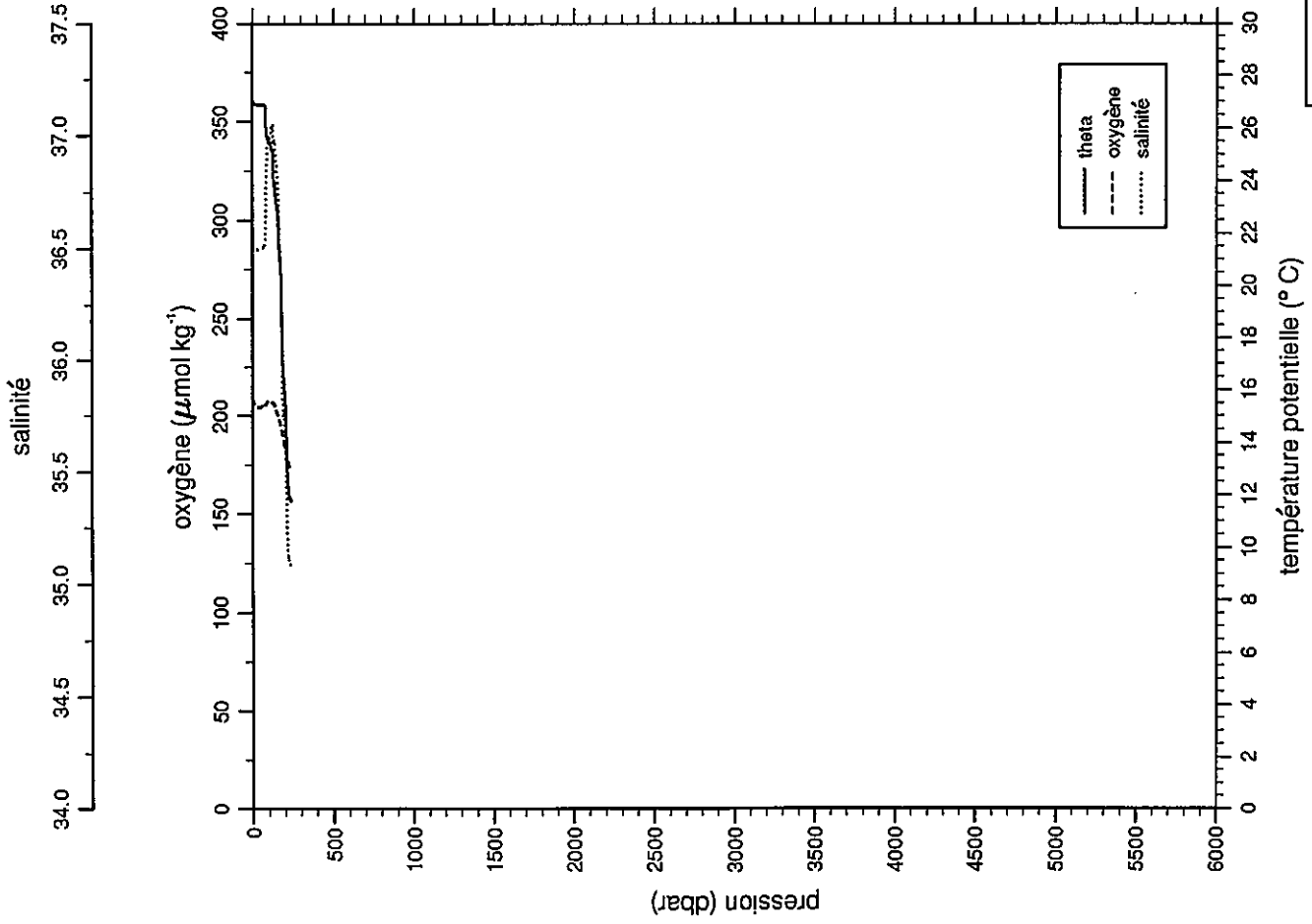
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.996	36.601	201.2	26.996
2.	26.996	36.601	199.9	26.996
3.	26.994	36.601	200.0	26.994
4.	26.993	36.601	200.4	26.992
5.	26.993	36.601	200.6	26.992
10.	26.998	36.601	202.0	26.995
20.	27.001	36.601	203.3	26.996
30.	27.003	36.601	203.5	26.996
40.	27.005	36.603	202.5	26.996
50.	27.007	36.608	200.2	26.996
100.	22.443	36.730	197.5	22.422
150.	19.685	36.286	194.0	19.657
200.	14.841	35.499	184.1	14.810
201.	14.790	35.492	182.0	14.760



Station 91

Station	: 92	Campagne	: CITHER1
Date	: 31-01-93	Navire	: L'ATALANTE
Profondeur:	224 m	Organisme	: IFREMER
Position	: S 4 48.17		
	W 35 7.84		

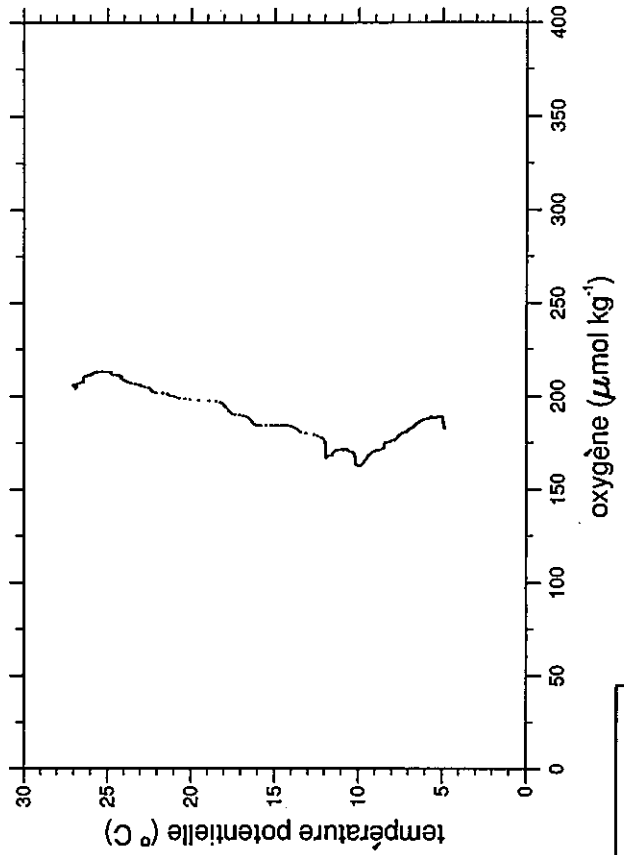
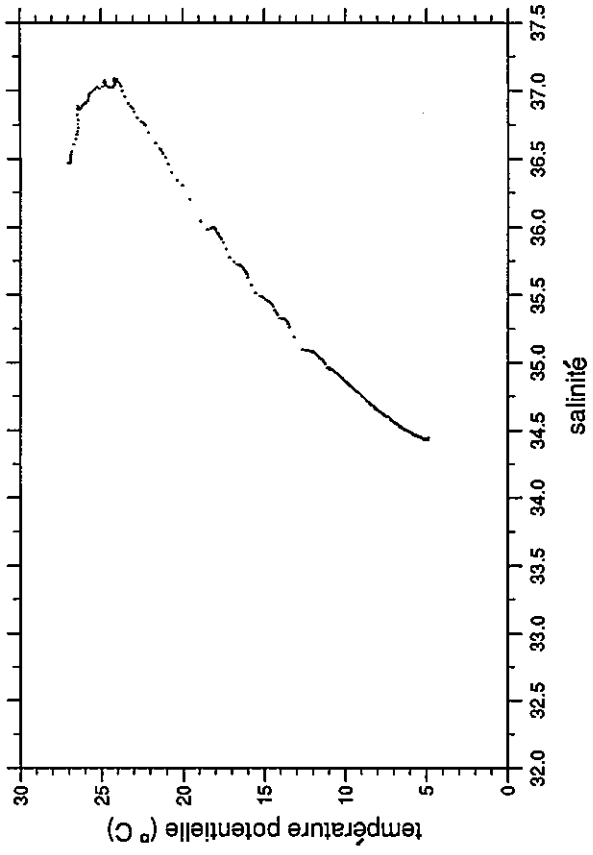
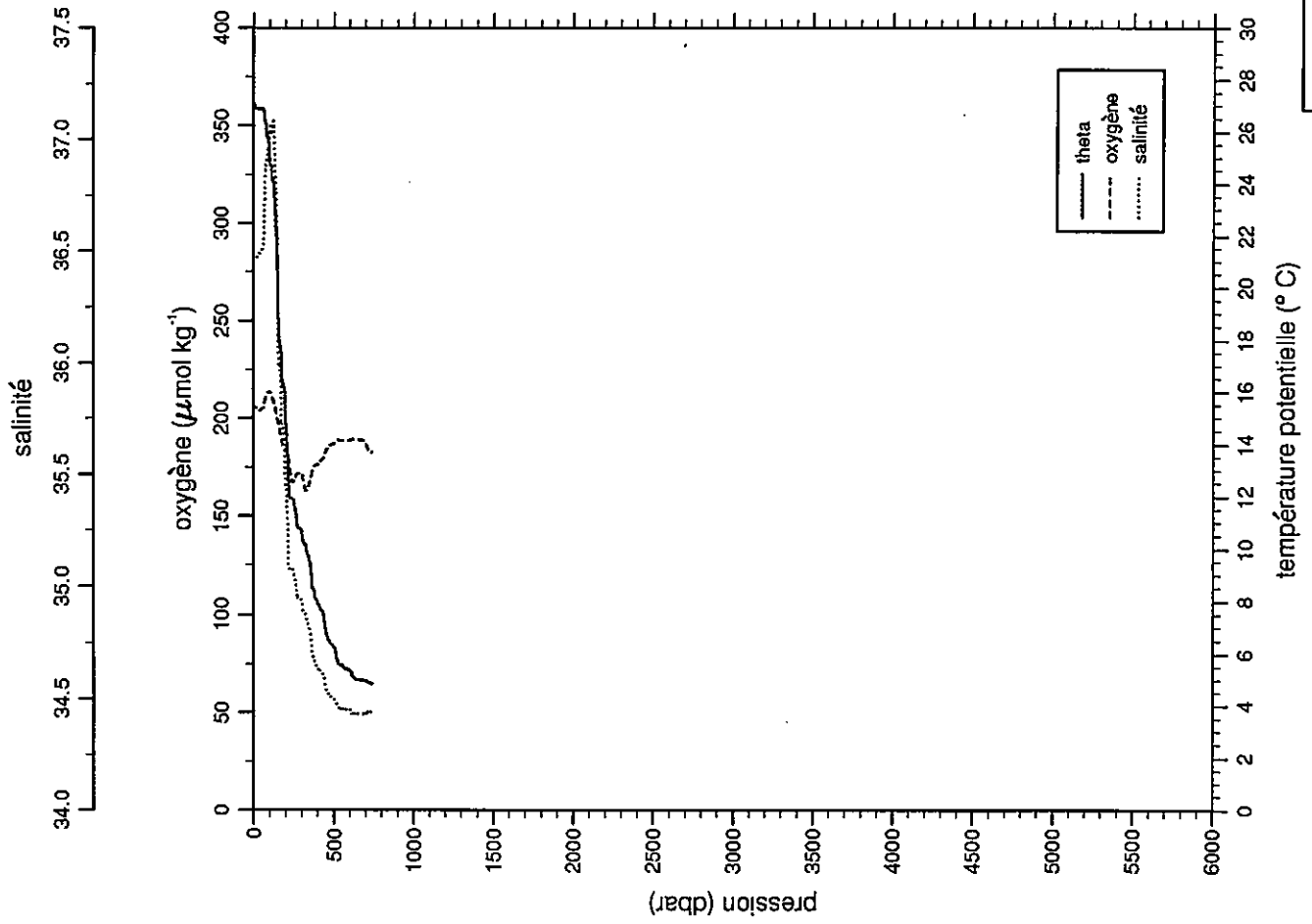
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.954	36.495	206.7	26.954
2.	26.954	36.495	206.7	26.954
3.	27.023	36.494	207.1	27.022
4.	27.003	36.494	207.4	27.002
5.	26.983	36.495	207.2	26.982
10.	26.928	36.496	206.1	26.926
20.	26.905	36.495	205.0	26.901
30.	26.901	36.496	204.6	26.895
40.	26.901	36.498	204.2	26.891
50.	26.901	36.499	204.2	26.889
100.	25.513	36.983	207.9	25.491
150.	23.079	36.863	201.7	23.048
200.	15.767	35.638	183.0	15.735
237.	11.766	35.077	171.5	11.736



Station 92

Station	: 93	Campagne	: CITHER1
Date	: 31-01-93	Navire	: L'ATALANTE
Profondeur	: 1033 m	Organisme	: IFREMER
Position	: S 4 44.25		
	W 35 6.97		

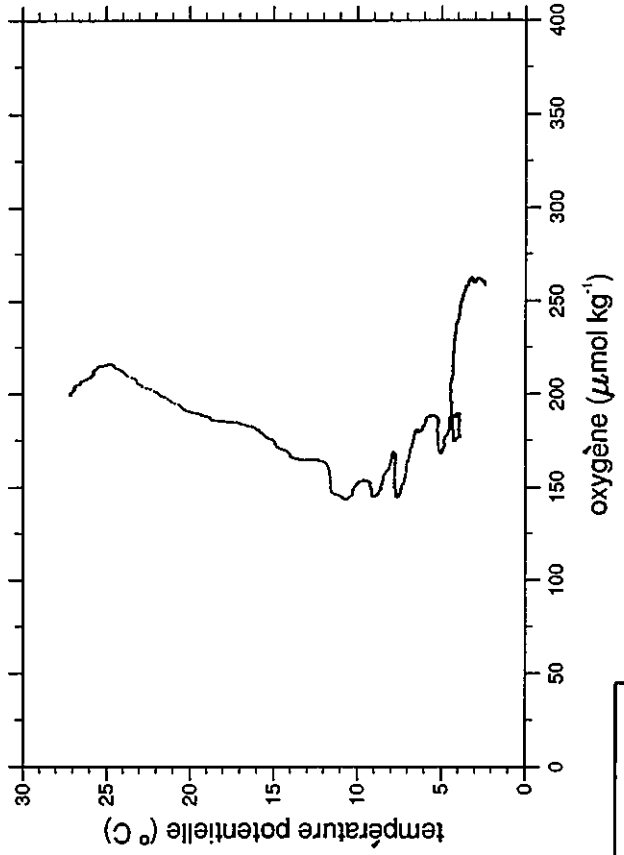
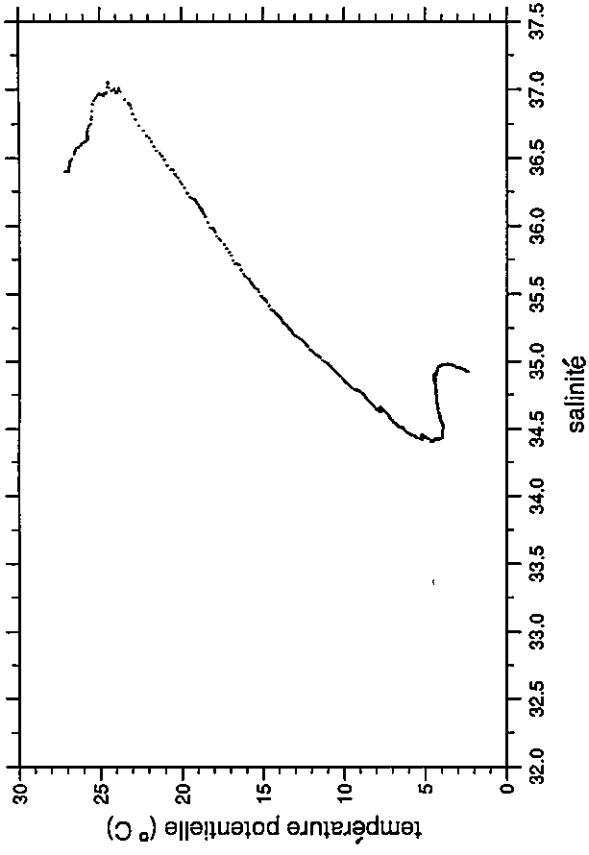
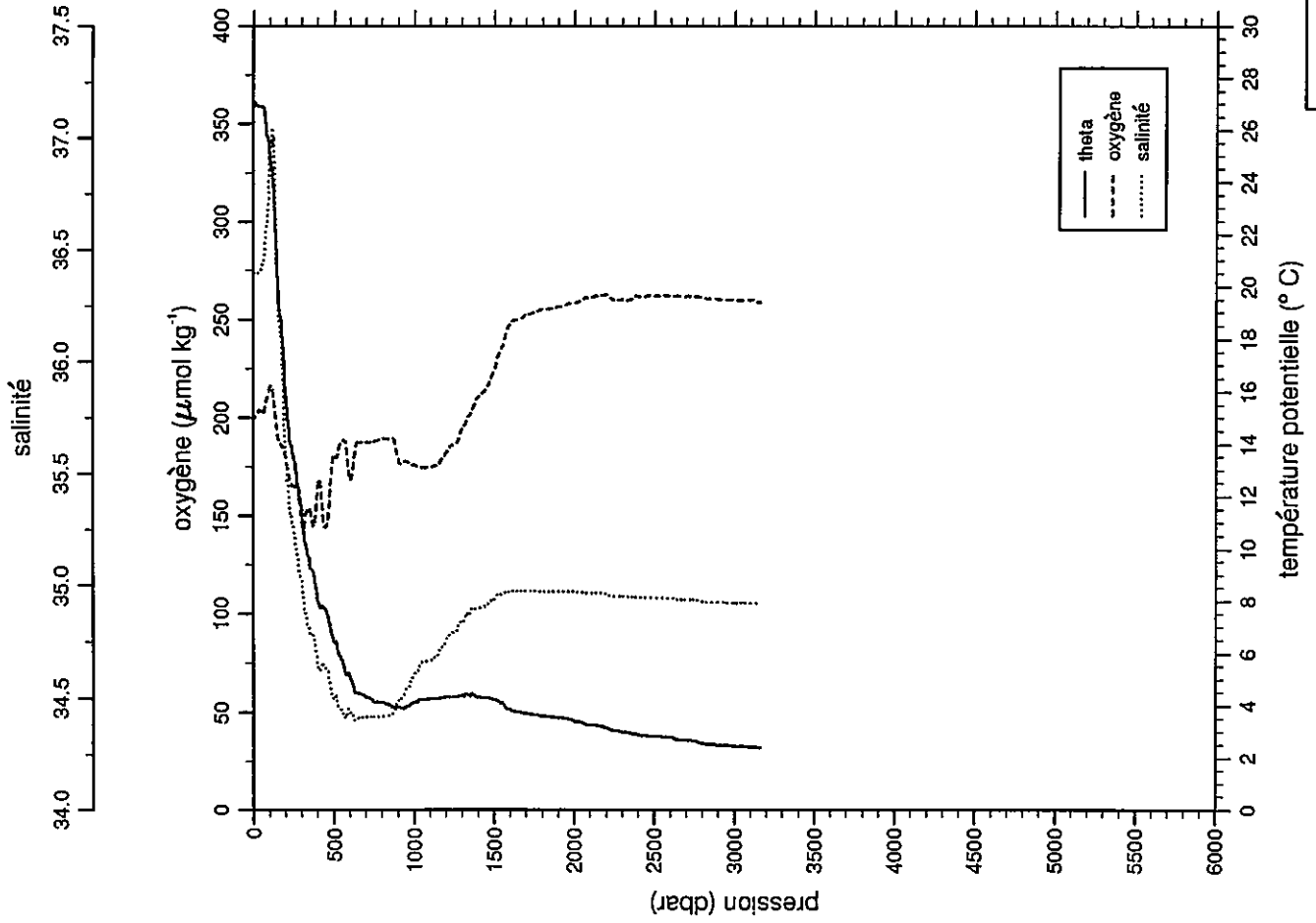
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.983	36.470	205.9	26.983
2.	26.983	36.470	205.9	26.983
3.	26.983	36.470	205.3	26.983
4.	27.063	36.473	205.7	27.062
5.	27.050	36.472	205.9	27.049
10.	26.958	36.467	205.6	26.955
20.	26.902	36.471	205.0	26.898
30.	26.889	36.478	204.5	26.882
40.	26.894	36.491	204.1	26.884
50.	26.895	36.502	204.4	26.883
100.	24.898	37.030	213.1	24.876
150.	20.928	36.461	199.4	20.899
200.	15.010	35.473	184.4	14.980
250.	11.914	35.068	167.8	11.881
300.	10.707	34.932	171.5	10.671
350.	9.555	34.807	166.8	9.515
400.	7.928	34.634	176.3	7.887
450.	6.966	34.552	182.6	6.923
500.	6.285	34.497	186.8	6.240
550.	5.626	34.458	188.5	5.579
600.	5.393	34.447	188.6	5.343
650.	5.052	34.430	189.0	4.999
700.	5.033	34.432	187.2	4.976
739.	4.911	34.443	182.5	4.852



Station 93

Station : 94 Campagne : CITHER1
 Date : 31-01-93 Navire : L'ATALANTE
 Profondeur: 3086 m Organisme : IFREMER
 Position : S 4 31.14
 W 35 3.76

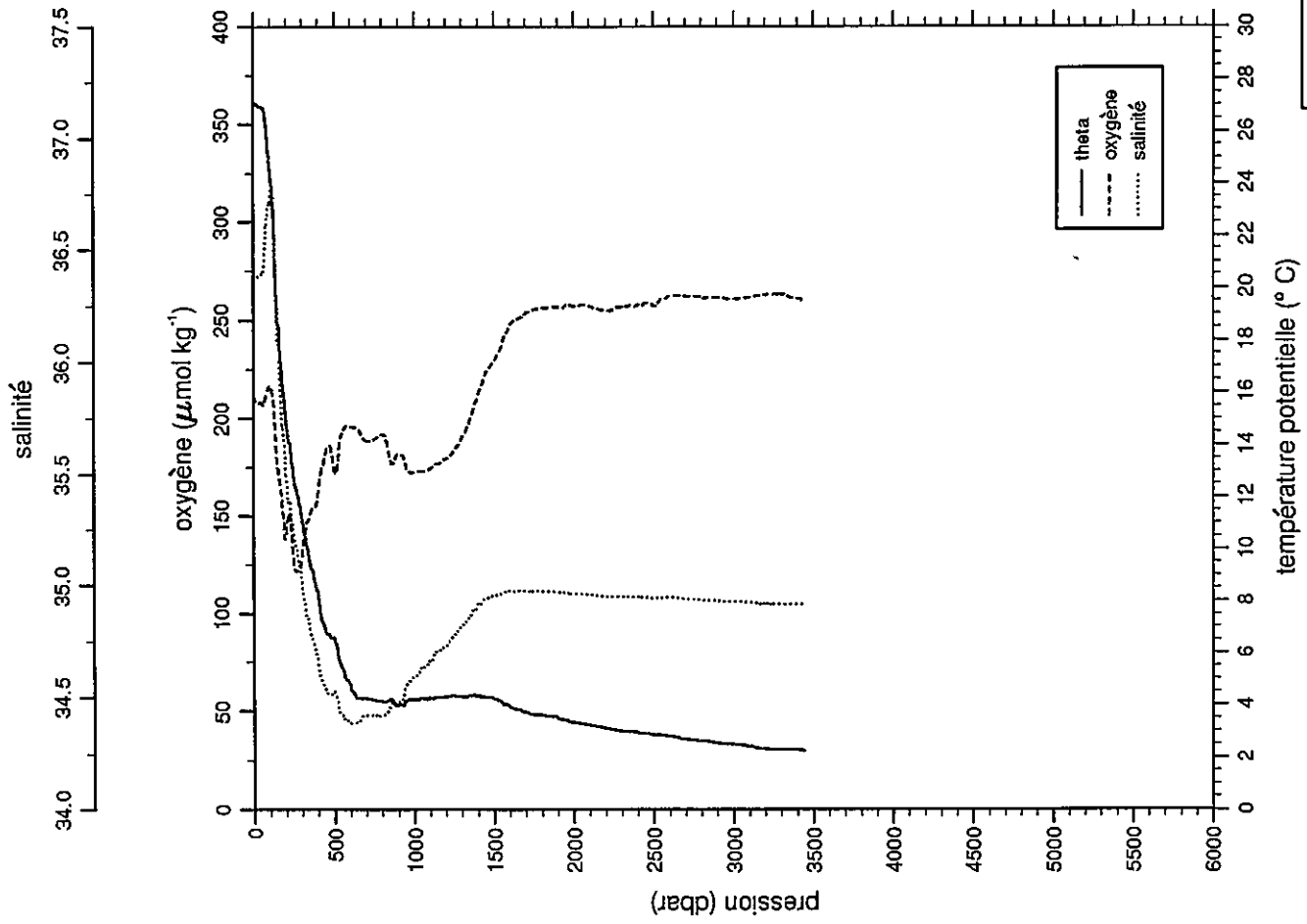
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.100	36.395	200.4	27.100	2850.	2.751	34.928	260.6	2.521
2.	27.100	36.395	199.9	27.099	2900.	2.741	34.927	260.3	2.506
3.	27.154	36.397	199.3	27.153	2950.	2.720	34.926	260.2	2.480
4.	27.154	36.397	199.7	27.153	3000.	2.695	34.923	260.1	2.450
5.	27.154	36.397	199.9	27.153	3050.	2.696	34.924	259.9	2.447
10.	27.058	36.394	200.9	27.056	3100.	2.680	34.923	260.1	2.426
20.	26.965	36.395	202.4	26.960	3150.	2.666	34.921	258.6	2.407
30.	26.953	36.396	203.4	26.946	3161.	2.663	34.921	258.5	2.403
40.	26.946	36.404	204.0	26.937					
50.	26.935	36.422	202.5	26.924					
100.	25.173	36.957	215.3	25.151					
150.	20.143	36.324	190.7	20.115					
200.	15.809	35.595	179.4	15.777					
250.	13.483	35.254	164.9	13.447					
300.	11.578	35.035	147.7	11.539					
350.	9.375	34.791	152.9	9.336					
400.	8.027	34.643	164.4	7.986					
450.	7.675	34.640	144.4	7.630					
500.	6.488	34.498	180.8	6.443					
550.	5.798	34.448	187.9	5.751					
600.	5.122	34.443	168.2	5.073					
650.	4.538	34.414	187.4	4.488					
700.	4.394	34.419	187.4	4.340					
750.	4.220	34.421	188.0	4.164					
800.	4.188	34.420	189.3	4.128					
850.	4.083	34.426	189.1	4.020					
900.	4.015	34.486	179.3	3.948					
950.	4.040	34.541	177.7	3.968					
1000.	4.206	34.604	175.8	4.128					
1050.	4.329	34.658	174.5	4.247					
1100.	4.346	34.669	174.8	4.258					
1150.	4.378	34.697	176.1	4.286					
1200.	4.433	34.761	182.2	4.335					
1250.	4.437	34.794	186.3	4.335					
1300.	4.501	34.839	194.3	4.394					
1350.	4.485	34.871	202.2	4.374					
1400.	4.439	34.901	210.5	4.324					
1450.	4.446	34.918	214.9	4.326					
1500.	4.370	34.938	224.3	4.246					
1550.	4.230	34.965	236.4	4.102					
1600.	3.989	34.975	247.9	3.860					
1650.	3.913	34.975	250.1	3.780					
1700.	3.855	34.975	252.6	3.718					
1750.	3.812	34.975	253.8	3.671					
1800.	3.757	34.974	255.2	3.612					
1850.	3.741	34.973	255.6	3.592					
1900.	3.710	34.974	256.6	3.557					
1950.	3.684	34.975	257.8	3.526					
2000.	3.569	34.970	258.5	3.408					
2050.	3.533	34.972	260.2	3.368					
2100.	3.447	34.968	261.3	3.279					
2150.	3.422	34.968	262.5	3.249					
2200.	3.343	34.964	262.7	3.166					
2250.	3.238	34.953	259.9	3.059					
2300.	3.195	34.952	260.3	3.011					
2350.	3.160	34.951	260.3	2.972					
2400.	3.083	34.950	261.8	2.892					
2450.	3.047	34.948	262.1	2.851					
2500.	3.047	34.948	262.3	2.846					
2550.	3.030	34.947	262.3	2.825					
2600.	2.991	34.945	262.3	2.781					
2650.	2.916	34.941	262.1	2.703					
2700.	2.906	34.940	261.9	2.687					
2750.	2.875	34.938	261.7	2.652					
2800.	2.786	34.932	261.2	2.560					



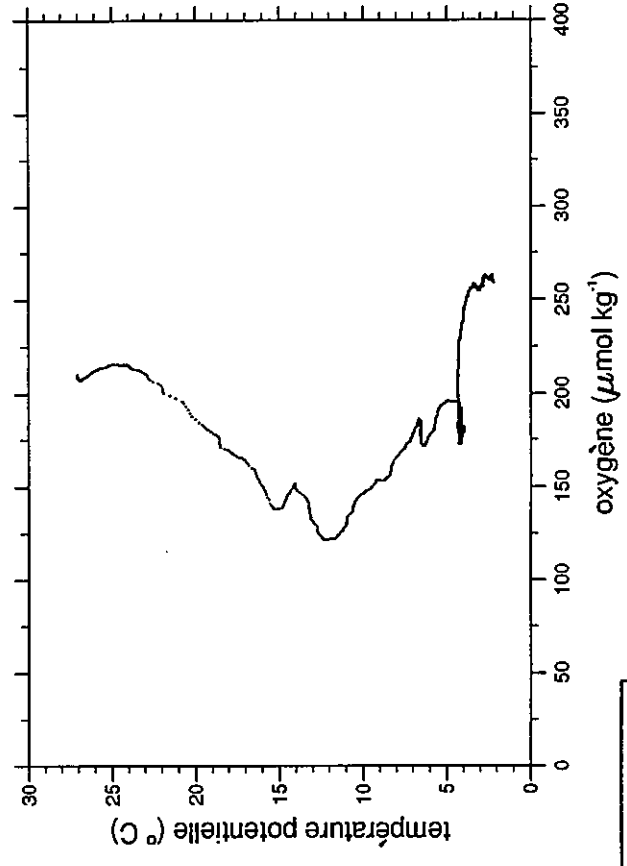
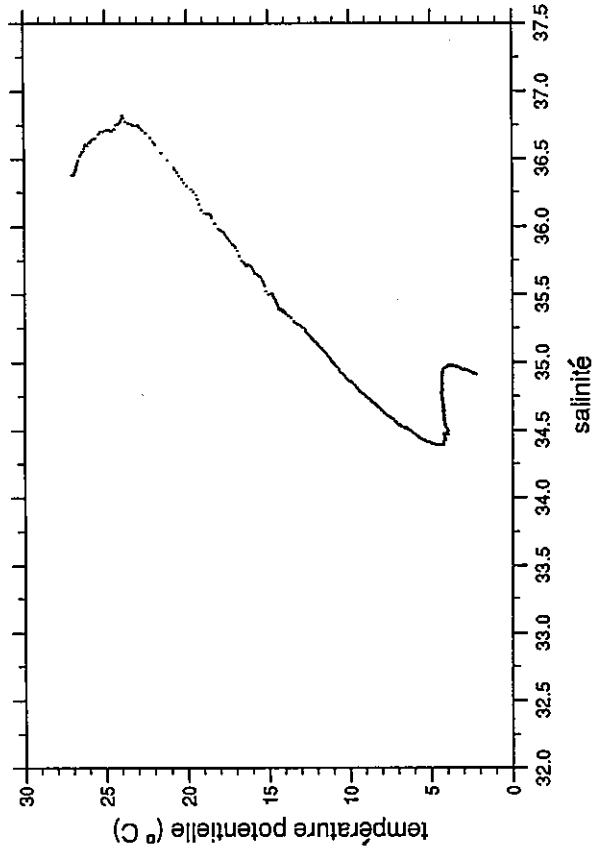
Station 94

Station : 95 Campagne : CITHER1
 Date : 31-01-93 Navire : L'ATALANTE
 Profondeur: 3425 m Organisme : IFREMER
 Position : S 4 16.14
 W 35 0.07

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.060	36.383	209.5	27.060	2850.	2.802	34.932	261.5	2.571
2.	27.060	36.383	210.2	27.060	2900.	2.763	34.929	261.5	2.527
3.	27.061	36.383	210.3	27.061	2950.	2.728	34.926	260.7	2.488
4.	27.062	36.383	210.0	27.061	3000.	2.713	34.925	260.5	2.469
5.	27.063	36.383	209.9	27.062	3050.	2.696	34.924	261.0	2.447
10.	27.056	36.382	209.1	27.054	3100.	2.650	34.921	261.4	2.397
20.	27.022	36.380	208.0	27.017	3150.	2.579	34.917	262.5	2.322
30.	26.952	36.380	207.9	26.945	3200.	2.554	34.915	262.9	2.293
40.	26.944	36.380	208.3	26.935	3250.	2.553	34.915	263.2	2.286
50.	26.920	36.391	207.5	26.908	3300.	2.551	34.915	263.1	2.279
100.	24.446	36.722	215.7	24.425	3350.	2.555	34.915	261.7	2.278
150.	18.604	36.091	175.4	18.577	3400.	2.555	34.915	261.1	2.272
200.	14.829	35.507	139.2	14.799	3441.	2.524	34.912	259.5	2.237
250.	12.709	35.222	125.5	12.675					
300.	11.099	35.003	128.8	11.061					
350.	9.488	34.795	150.3	9.448					
400.	8.304	34.670	161.7	8.262					
450.	6.810	34.525	183.4	6.768					
500.	6.574	34.520	174.7	6.528					
550.	5.466	34.421	192.4	5.420					
600.	4.784	34.390	195.5	4.737					
650.	4.290	34.392	194.4	4.241					
700.	4.282	34.418	188.5	4.229					
750.	4.223	34.418	189.3	4.166					
800.	4.171	34.416	192.0	4.111					
850.	4.232	34.458	179.6	4.167					
900.	4.056	34.476	182.0	3.988					
950.	4.197	34.544	175.7	4.124					
1000.	4.272	34.588	172.5	4.194					
1050.	4.325	34.633	172.8	4.243					
1100.	4.319	34.662	174.0	4.232					
1150.	4.369	34.704	176.5	4.277					
1200.	4.380	34.730	179.5	4.284					
1250.	4.470	34.778	183.7	4.368					
1300.	4.410	34.822	190.5	4.304					
1350.	4.441	34.861	199.1	4.330					
1400.	4.467	34.914	211.7	4.351					
1450.	4.394	34.942	223.3	4.274					
1500.	4.355	34.952	228.8	4.231					
1550.	4.183	34.964	237.7	4.056					
1600.	4.012	34.975	247.5	3.882					
1650.	3.923	34.976	250.8	3.790					
1700.	3.835	34.976	253.7	3.699					
1750.	3.763	34.974	255.3	3.623					
1800.	3.746	34.974	255.8	3.601					
1850.	3.707	34.973	256.3	3.558					
1900.	3.629	34.969	256.4	3.477					
1950.	3.567	34.970	257.5	3.411					
2000.	3.473	34.962	256.9	3.314					
2050.	3.447	34.963	257.6	3.283					
2100.	3.394	34.958	256.8	3.226					
2150.	3.331	34.953	255.4	3.159					
2200.	3.283	34.949	254.8	3.107					
2250.	3.224	34.949	255.4	3.044					
2300.	3.177	34.947	256.5	2.993					
2350.	3.154	34.947	257.2	2.966					
2400.	3.123	34.947	257.4	2.931					
2450.	3.089	34.945	258.7	2.893					
2500.	3.035	34.939	257.1	2.834					
2550.	3.036	34.946	260.9	2.830					
2600.	3.000	34.945	262.2	2.790					
2650.	2.959	34.942	262.4	2.745					
2700.	2.879	34.937	262.3	2.661					
2750.	2.869	34.937	262.1	2.647					
2800.	2.814	34.932	261.3	2.588					

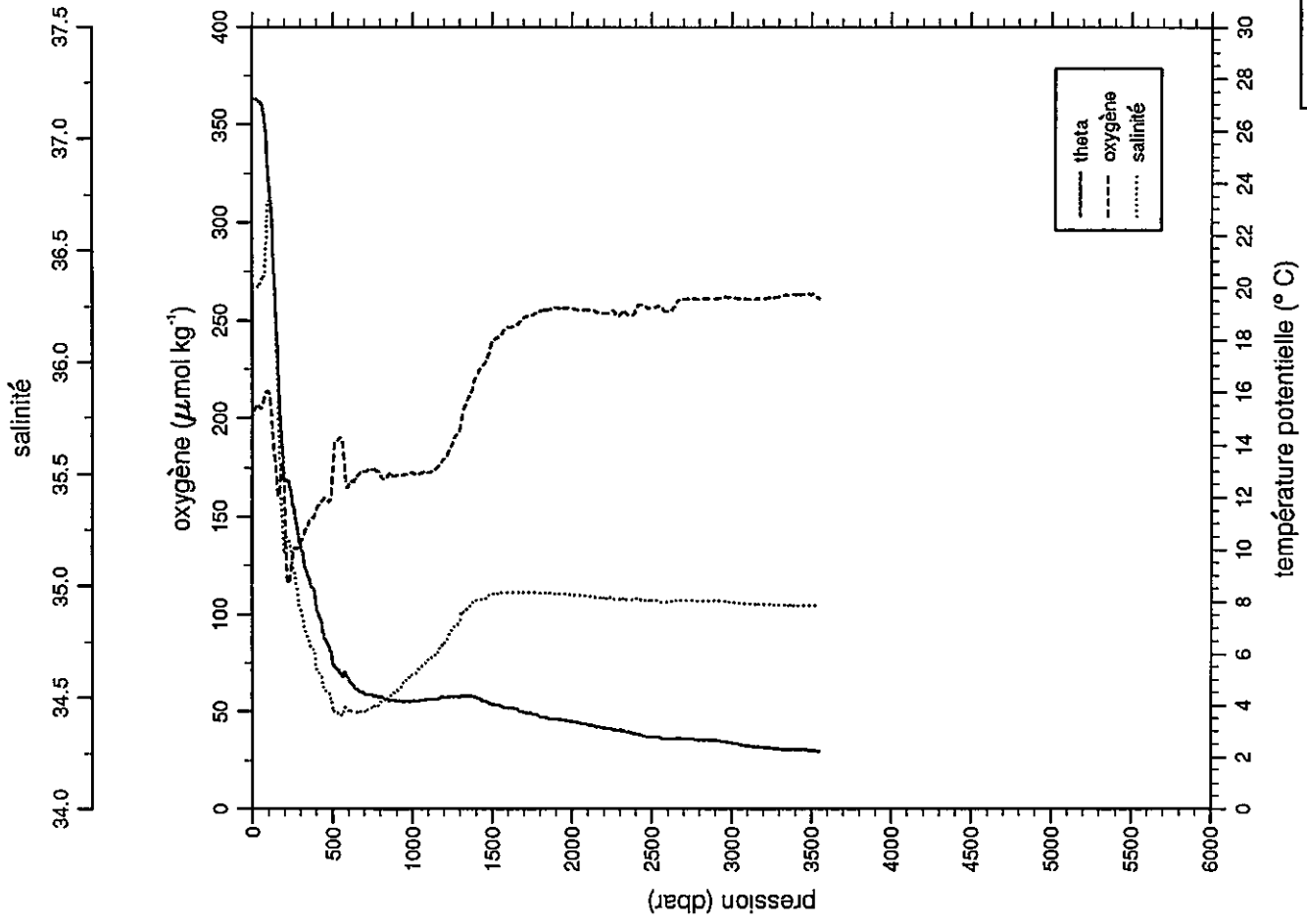


Station 95

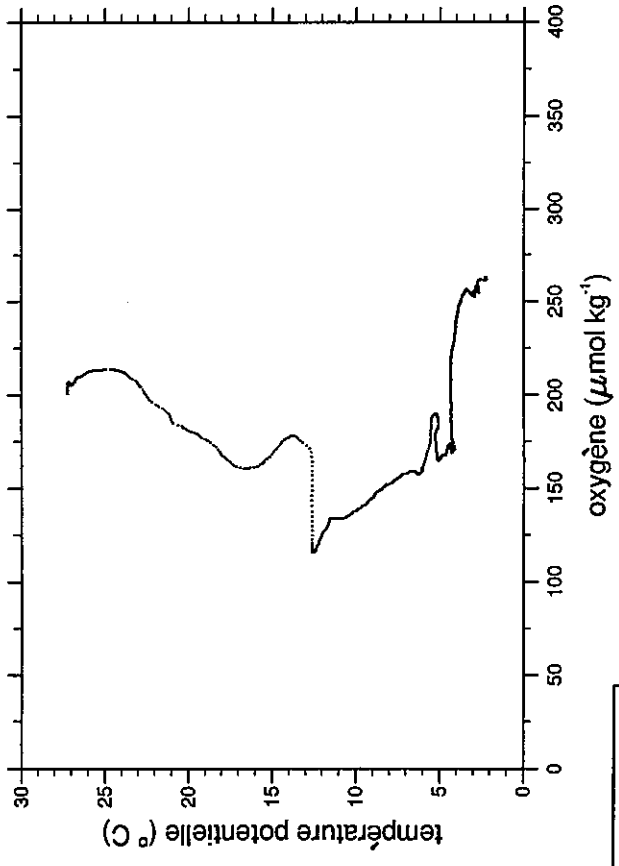
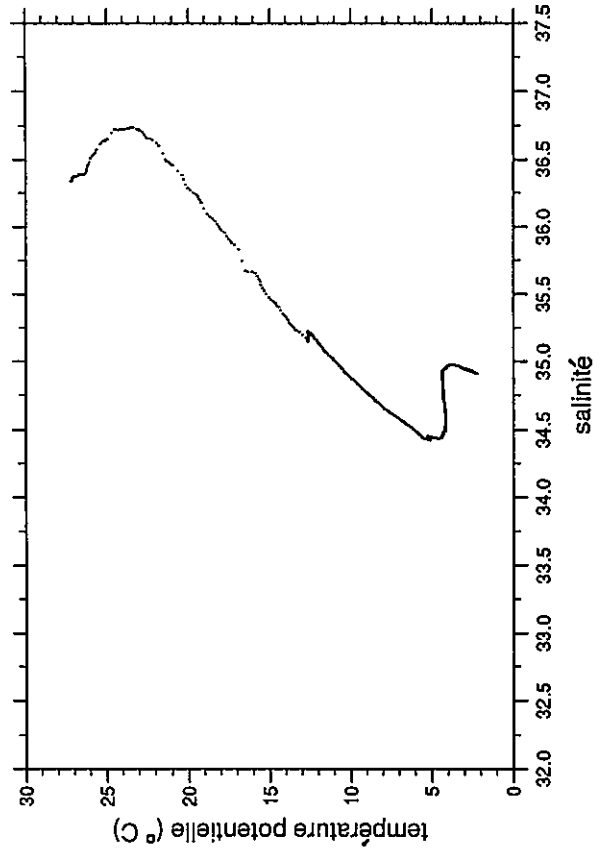


Station : 96 Campagne : CITHER1
 Date : 01-02-93 Navire : L'ATALANTE
 Profondeur: 3537 m Organisme : IPREMER
 Position : S 3 59.08
 W 34 57.24

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.204	36.338	202.4	27.204	2850.	2.880	34.936	261.3	2.648
2.	27.200	36.338	200.7	27.200	2900.	2.871	34.935	261.3	2.633
3.	27.199	36.338	201.0	27.198	2950.	2.824	34.933	261.9	2.582
4.	27.199	36.339	201.8	27.198	3000.	2.780	34.930	261.6	2.534
5.	27.202	36.339	202.1	27.201	3050.	2.725	34.926	261.1	2.475
10.	27.208	36.338	203.0	27.205	3100.	2.669	34.922	260.9	2.415
20.	27.207	36.338	205.2	27.203	3150.	2.642	34.920	261.0	2.383
30.	27.196	36.338	206.9	27.189	3200.	2.632	34.919	261.1	2.368
40.	27.142	36.343	207.1	27.132	3250.	2.604	34.918	261.7	2.335
50.	27.098	36.361	205.3	27.087	3300.	2.571	34.916	262.1	2.298
100.	24.248	36.723	213.3	24.227	3350.	2.565	34.916	262.9	2.287
150.	18.535	36.063	173.3	18.509	3400.	2.569	34.915	263.1	2.286
200.	12.625	35.153	161.9	12.598	3450.	2.564	34.914	263.0	2.275
250.	11.764	35.100	128.8	11.732	3500.	2.552	34.913	263.2	2.258
300.	10.215	34.904	137.3	10.180	3549.	2.516	34.911	261.1	2.218
350.	8.942	34.759	145.9	8.904					
400.	7.787	34.643	153.6	7.747					
450.	6.642	34.540	159.2	6.601					
500.	5.723	34.457	171.3	5.681					
550.	5.274	34.422	190.1	5.229					
600.	5.022	34.440	166.0	4.974					
650.	4.655	34.435	169.6	4.604					
700.	4.506	34.437	173.0	4.452					
750.	4.441	34.455	174.1	4.383					
800.	4.366	34.479	171.1	4.305					
850.	4.267	34.495	170.8	4.202					
900.	4.232	34.523	170.9	4.162					
950.	4.205	34.569	171.2	4.132					
1000.	4.233	34.606	172.2	4.155					
1050.	4.253	34.628	172.0	4.171					
1100.	4.302	34.672	172.3	4.216					
1150.	4.302	34.696	174.8	4.210					
1200.	4.391	34.750	179.6	4.294					
1250.	4.435	34.808	186.9	4.333					
1300.	4.417	34.853	195.9	4.311					
1350.	4.463	34.908	210.2	4.352					
1400.	4.409	34.938	221.6	4.293					
1450.	4.272	34.946	227.8	4.153					
1500.	4.146	34.967	238.8	4.024					
1550.	4.097	34.971	242.2	3.971					
1600.	4.012	34.973	246.7	3.883					
1650.	3.992	34.973	247.6	3.858					
1700.	3.855	34.974	251.5	3.718					
1750.	3.809	34.974	252.8	3.668					
1800.	3.694	34.971	254.7	3.550					
1850.	3.617	34.969	255.6	3.470					
1900.	3.586	34.968	256.6	3.434					
1950.	3.569	34.967	256.2	3.413					
2000.	3.510	34.963	256.0	3.349					
2050.	3.458	34.961	255.5	3.294					
2100.	3.411	34.958	255.4	3.243					
2150.	3.354	34.953	254.5	3.182					
2200.	3.301	34.949	253.8	3.125					
2250.	3.270	34.950	255.0	3.089					
2300.	3.216	34.944	252.7	3.031					
2350.	3.160	34.942	252.9	2.972					
2400.	3.096	34.947	255.5	2.904					
2450.	3.012	34.941	257.9	2.817					
2500.	2.977	34.938	256.6	2.777					
2550.	2.959	34.937	257.4	2.755					
2600.	2.903	34.931	254.7	2.695					
2650.	2.919	34.939	258.6	2.706					
2700.	2.920	34.939	261.0	2.702					
2750.	2.909	34.939	261.3	2.686					
2800.	2.878	34.936	261.1	2.650					

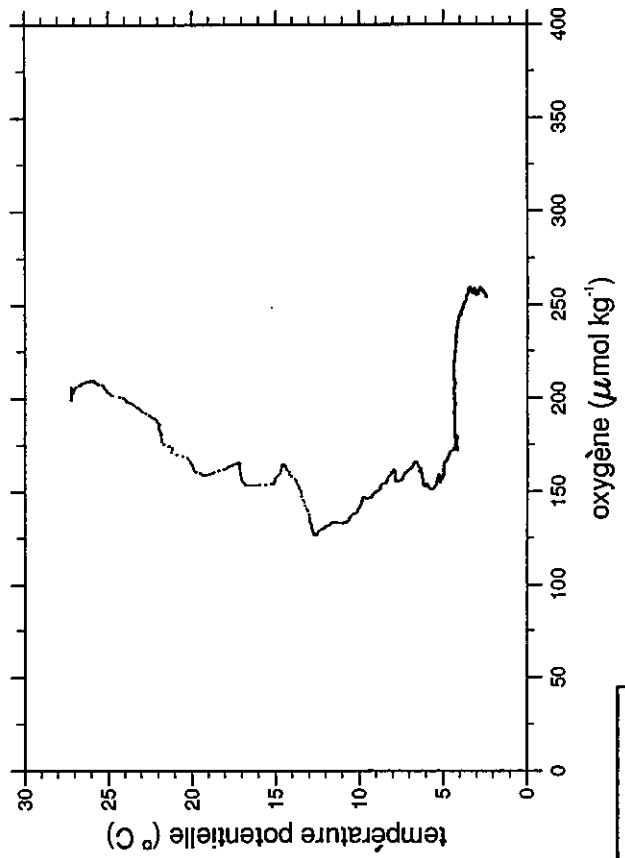
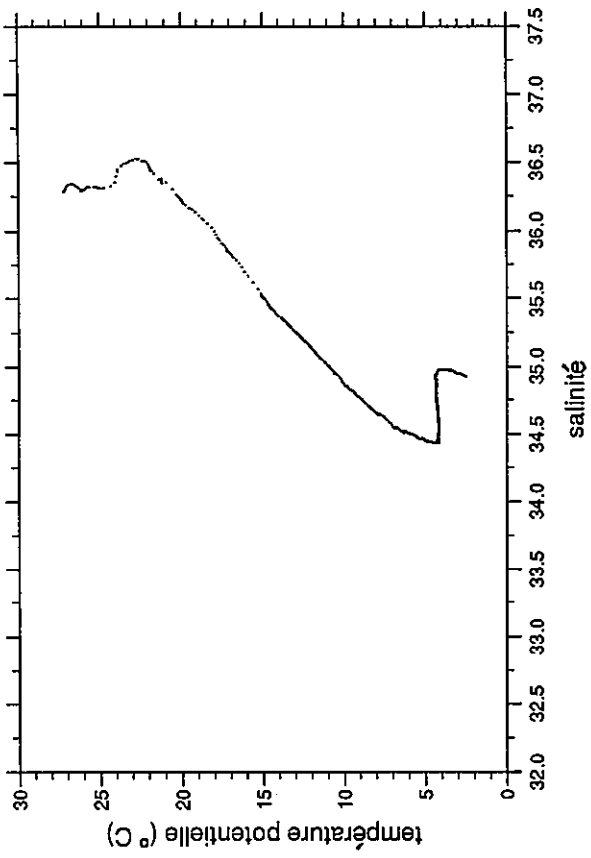
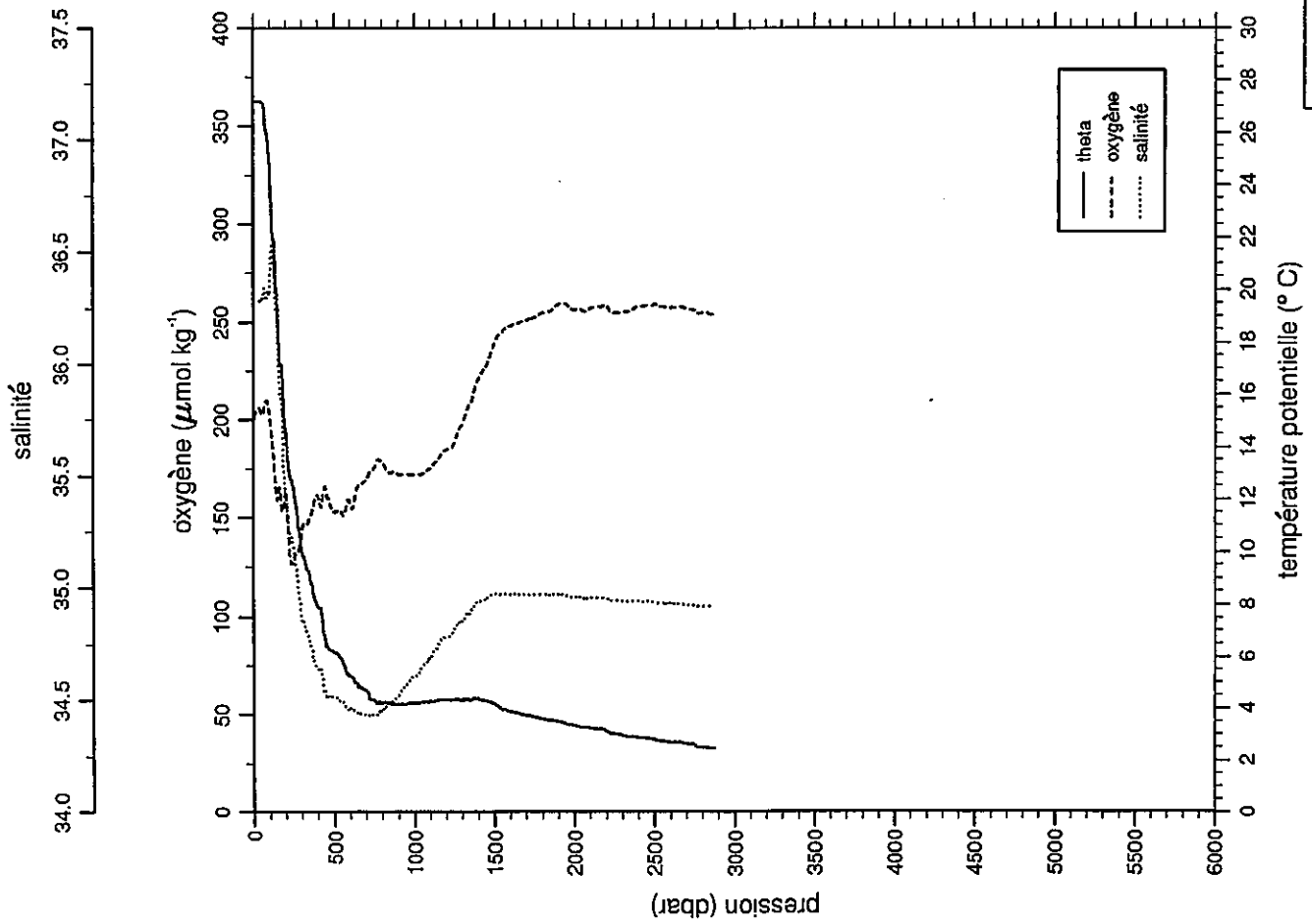


Station 96



Station : 97 Campagne : CITHER1
 Date : 01-02-93 Navire : L'ATALANTE
 Profondeur: 2859 m Organisme : IFREMER
 Position : S 3 34.99
 W 34 54.07

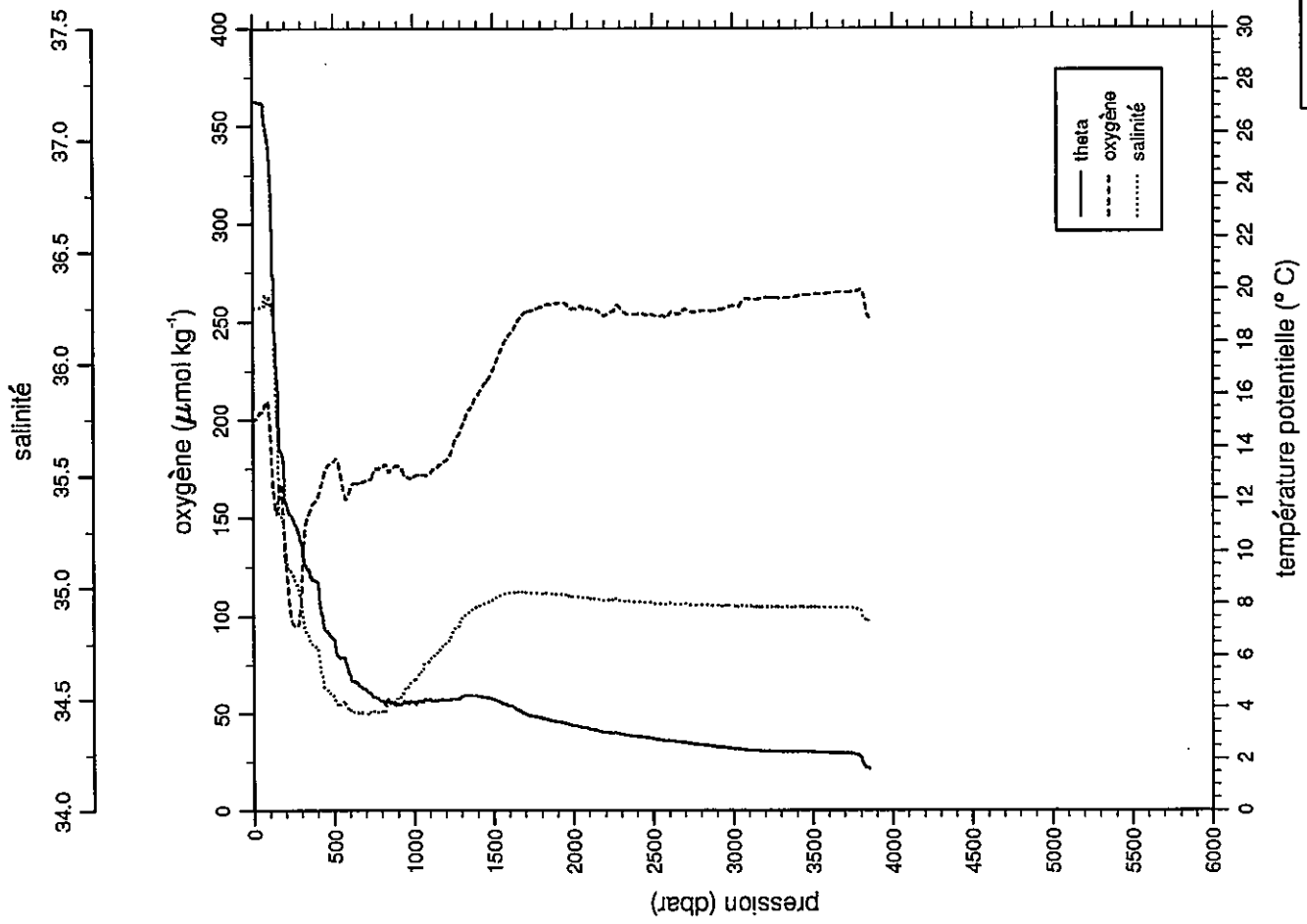
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.207	36.281	202.5	27.207	2850.	2.688	34.921	254.3	2.459
2.	27.206	36.281	199.2	27.205	2875.	2.689	34.921	253.6	2.458
3.	27.206	36.281	199.9	27.205					
4.	27.205	36.281	200.9	27.204					
5.	27.205	36.281	201.8	27.204					
10.	27.210	36.281	203.1	27.207					
20.	27.209	36.281	205.2	27.204					
30.	27.209	36.281	205.9	27.202					
40.	27.216	36.281	204.7	27.207					
50.	27.185	36.288	202.9	27.173					
100.	24.747	36.312	201.6	24.725					
150.	18.946	36.107	159.5	18.919					
200.	14.530	35.433	164.3	14.500					
250.	12.375	35.178	129.4	12.341					
300.	9.951	34.858	143.2	9.917					
350.	8.997	34.758	149.9	8.959					
400.	7.907	34.641	160.8	7.866					
450.	6.504	34.519	163.5	6.463					
500.	6.180	34.514	152.8	6.136					
550.	5.862	34.496	151.8	5.814					
600.	5.268	34.465	157.4	5.219					
650.	4.856	34.441	165.9	4.805					
700.	4.715	34.438	169.6	4.660					
750.	4.363	34.438	175.1	4.305					
800.	4.241	34.453	178.5	4.180					
850.	4.246	34.490	172.9	4.181					
900.	4.222	34.520	172.4	4.153					
950.	4.230	34.570	172.4	4.157					
1000.	4.263	34.607	172.3	4.185					
1050.	4.312	34.652	172.6	4.229					
1100.	4.349	34.702	175.3	4.262					
1150.	4.392	34.747	179.9	4.300					
1200.	4.421	34.786	184.9	4.324					
1250.	4.425	34.815	188.4	4.323					
1300.	4.388	34.857	198.2	4.282					
1350.	4.406	34.894	207.9	4.295					
1400.	4.446	34.942	220.7	4.330					
1450.	4.381	34.956	227.7	4.262					
1500.	4.269	34.977	239.1	4.146					
1550.	4.065	34.974	245.0	3.940					
1600.	3.987	34.974	248.0	3.858					
1650.	3.934	34.975	249.7	3.800					
1700.	3.858	34.973	251.3	3.721					
1750.	3.793	34.973	252.7	3.653					
1800.	3.734	34.973	254.9	3.590					
1850.	3.659	34.970	255.7	3.511					
1900.	3.638	34.975	259.0	3.485					
1950.	3.550	34.969	259.2	3.394					
2000.	3.492	34.963	256.4	3.332					
2050.	3.425	34.959	256.1	3.262					
2100.	3.401	34.960	257.2	3.233					
2150.	3.372	34.959	257.8	3.199					
2200.	3.286	34.954	258.5	3.110					
2250.	3.188	34.947	255.1	3.009					
2300.	3.145	34.945	255.2	2.962					
2350.	3.100	34.945	256.1	2.913					
2400.	3.062	34.944	258.1	2.870					
2450.	3.040	34.944	258.5	2.844					
2500.	3.004	34.943	259.1	2.804					
2550.	2.949	34.937	257.9	2.745					
2600.	2.908	34.935	257.5	2.700					
2650.	2.895	34.933	257.7	2.682					
2700.	2.844	34.929	257.0	2.628					
2750.	2.819	34.928	256.2	2.598					
2800.	2.698	34.922	254.9	2.475					



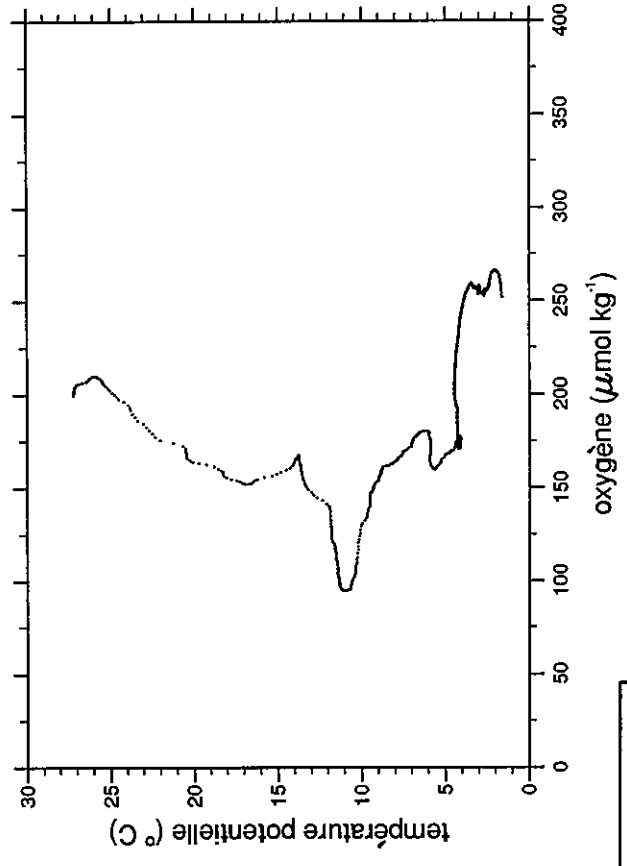
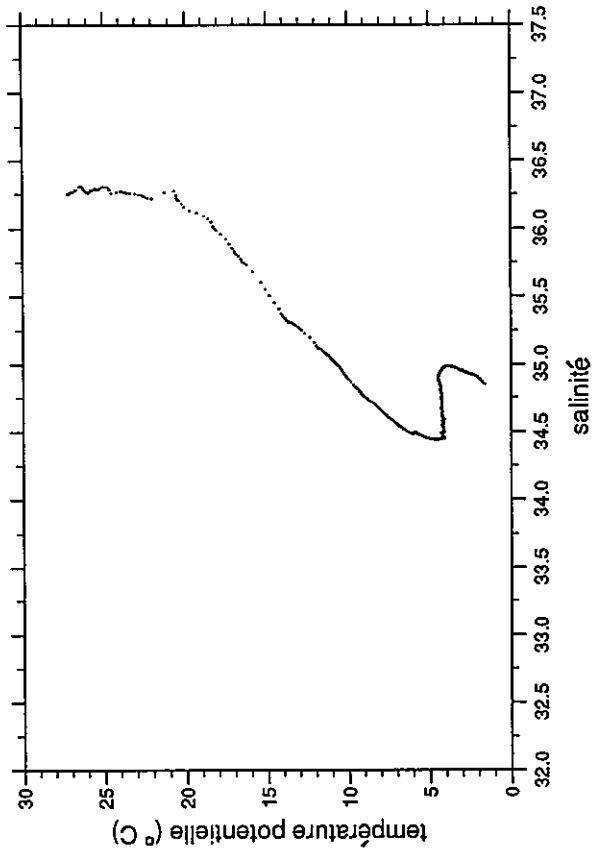
Station 97

Station : 98 Campagne : CITHER1
 Date : 01-02-93 Navire : L'ATALANTE
 Profondeur: 3832 m Organisme : IFREMER
 Position : S 3 9.84
 W 34 52.86

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.201	36.252	200.1	27.201	2850.	2.737	34.923	255.8	2.508
2.	27.201	36.252	199.9	27.200	2900.	2.696	34.921	256.0	2.462
3.	27.204	36.252	199.7	27.203	2950.	2.682	34.921	256.9	2.443
4.	27.204	36.252	199.7	27.203	3000.	2.641	34.919	258.0	2.398
5.	27.204	36.252	199.7	27.203	3050.	2.615	34.919	259.2	2.368
10.	27.197	36.252	200.2	27.194	3100.	2.582	34.918	261.4	2.330
20.	27.202	36.252	200.8	27.197	3150.	2.584	34.918	261.3	2.327
30.	27.185	36.251	201.8	27.178	3200.	2.571	34.917	261.9	2.308
40.	27.176	36.251	203.6	27.167	3250.	2.564	34.916	261.7	2.297
50.	27.175	36.251	203.5	27.163	3300.	2.559	34.915	261.8	2.286
100.	24.926	36.306	201.1	24.904	3350.	2.562	34.915	262.1	2.284
150.	16.411	35.746	154.2	16.387	3400.	2.564	34.915	262.7	2.281
200.	11.869	35.113	132.0	11.843	3450.	2.565	34.916	263.4	2.276
250.	11.184	35.052	95.3	11.153	3500.	2.560	34.915	263.7	2.266
300.	10.249	34.918	116.5	10.214	3550.	2.557	34.915	263.8	2.257
350.	9.134	34.768	153.2	9.095	3600.	2.551	34.914	264.3	2.247
400.	8.831	34.733	160.1	8.787	3650.	2.543	34.914	264.8	2.233
450.	7.021	34.552	174.8	6.978	3700.	2.544	34.913	264.9	2.229
500.	6.663	34.517	178.8	6.617	3750.	2.512	34.911	265.2	2.191
550.	5.961	34.485	169.1	5.912	3800.	2.397	34.903	266.2	2.074
600.	5.304	34.455	164.2	5.255	3850.	1.953	34.854	252.3	1.637
650.	4.945	34.443	167.9	4.892	3855.	1.906	34.848	251.7	1.591
700.	4.759	34.439	169.4	4.703					
750.	4.455	34.446	173.4	4.397					
800.	4.310	34.448	175.5	4.249					
850.	4.246	34.488	173.4	4.181					
900.	4.173	34.503	176.3	4.105					
950.	4.261	34.554	171.2	4.187					
1000.	4.273	34.587	171.0	4.195					
1050.	4.295	34.638	171.9	4.212					
1100.	4.367	34.682	172.5	4.279					
1150.	4.343	34.713	175.7	4.252					
1200.	4.369	34.754	179.0	4.272					
1250.	4.418	34.816	187.6	4.317					
1300.	4.508	34.861	196.1	4.400					
1350.	4.582	34.896	205.2	4.469					
1400.	4.542	34.918	212.6	4.425					
1450.	4.488	34.933	218.9	4.367					
1500.	4.414	34.951	225.9	4.290					
1550.	4.283	34.972	236.4	4.155					
1600.	4.177	34.978	243.6	4.046					
1650.	4.021	34.982	250.1	3.887					
1700.	3.874	34.981	254.9	3.737					
1750.	3.787	34.979	256.2	3.646					
1800.	3.733	34.978	257.7	3.588					
1850.	3.650	34.975	258.7	3.502					
1900.	3.594	34.973	259.4	3.442					
1950.	3.541	34.971	259.1	3.385					
2000.	3.456	34.962	256.9	3.297					
2050.	3.395	34.961	257.8	3.232					
2100.	3.318	34.954	256.7	3.151					
2150.	3.258	34.951	255.6	3.088					
2200.	3.193	34.947	253.2	3.018					
2250.	3.167	34.948	255.5	2.988					
2300.	3.118	34.944	255.9	2.936					
2350.	3.074	34.941	253.8	2.887					
2400.	3.043	34.939	253.9	2.852					
2450.	3.008	34.936	253.4	2.813					
2500.	2.964	34.934	253.5	2.765					
2550.	2.920	34.931	253.1	2.716					
2600.	2.901	34.932	253.6	2.693					
2650.	2.860	34.928	253.8	2.648					
2700.	2.845	34.930	256.3	2.628					
2750.	2.785	34.925	254.8	2.565					
2800.	2.777	34.926	255.6	2.551					

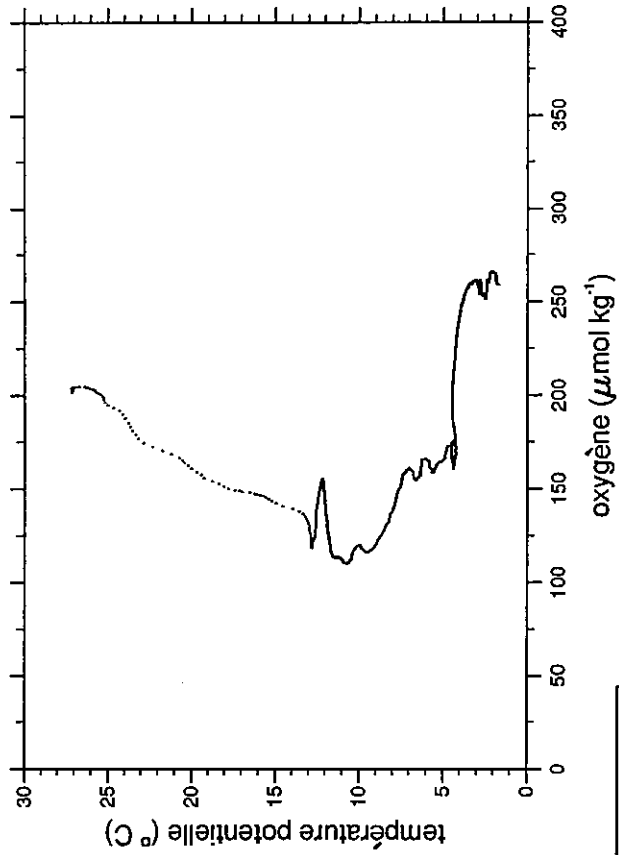
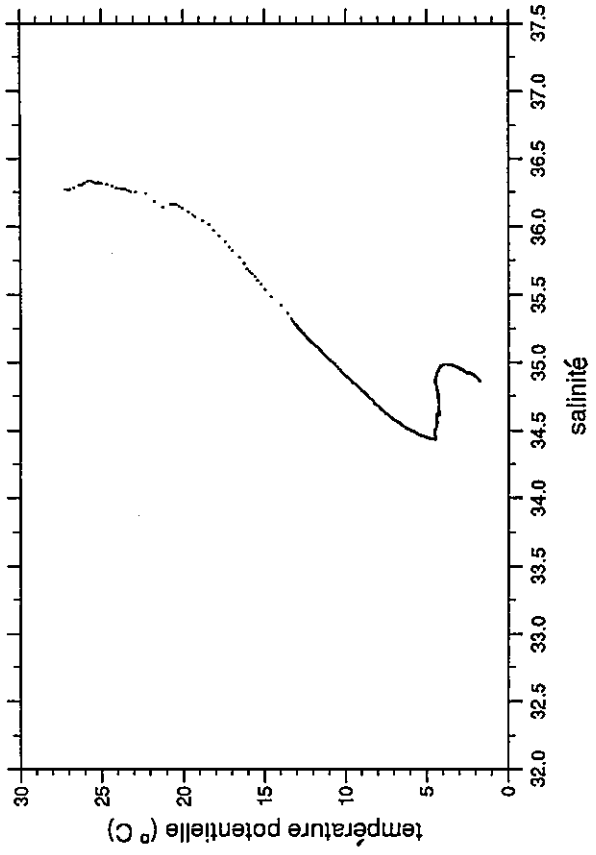
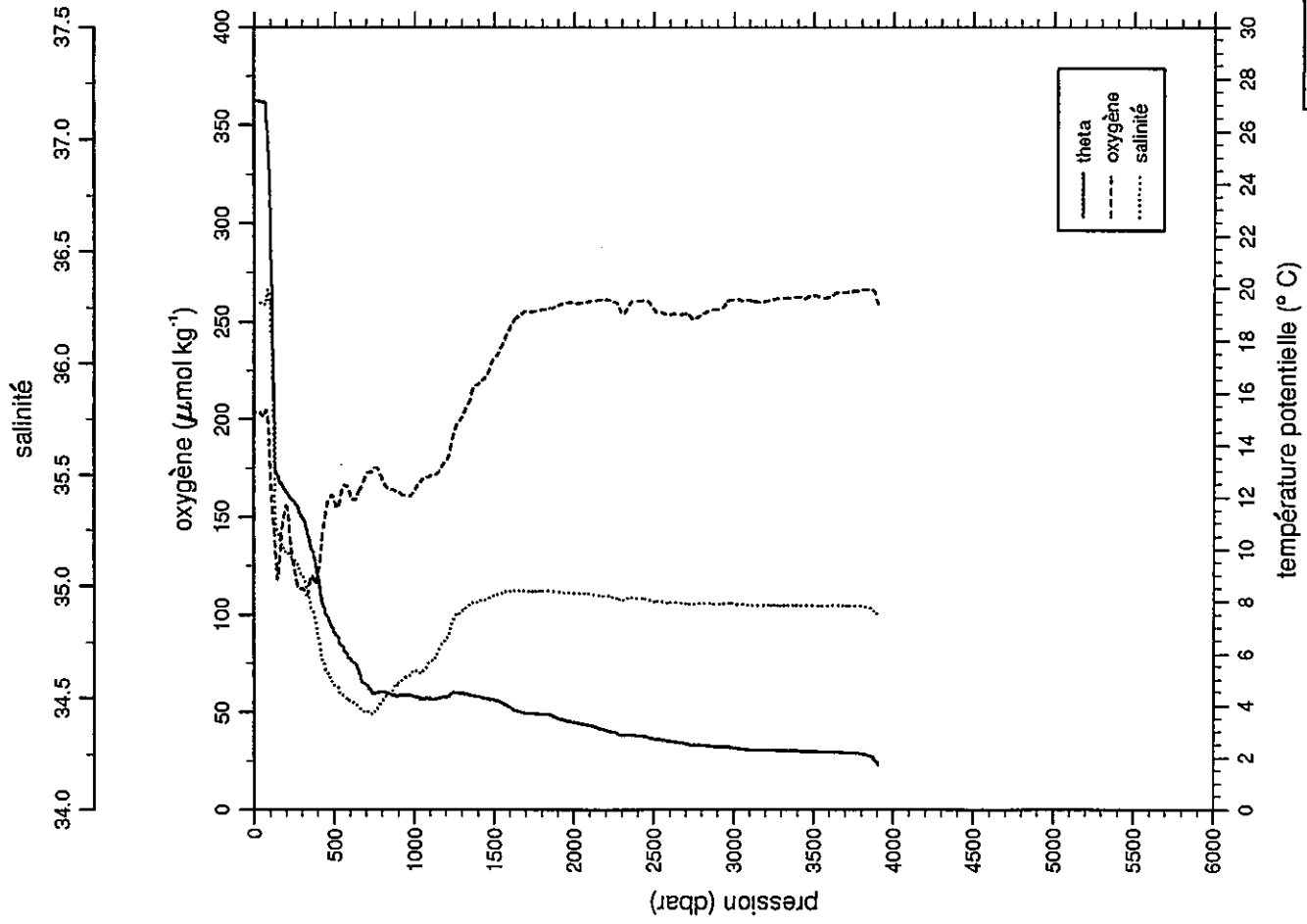


Station 98



Station : 99 Campagne : CITHERR1
 Date : 01-02-93 Navire : L'ATALANTE
 Profondeur: 3882 m Organisme : IFREMER
 Position : S 2 43.12
 W 34 56.01

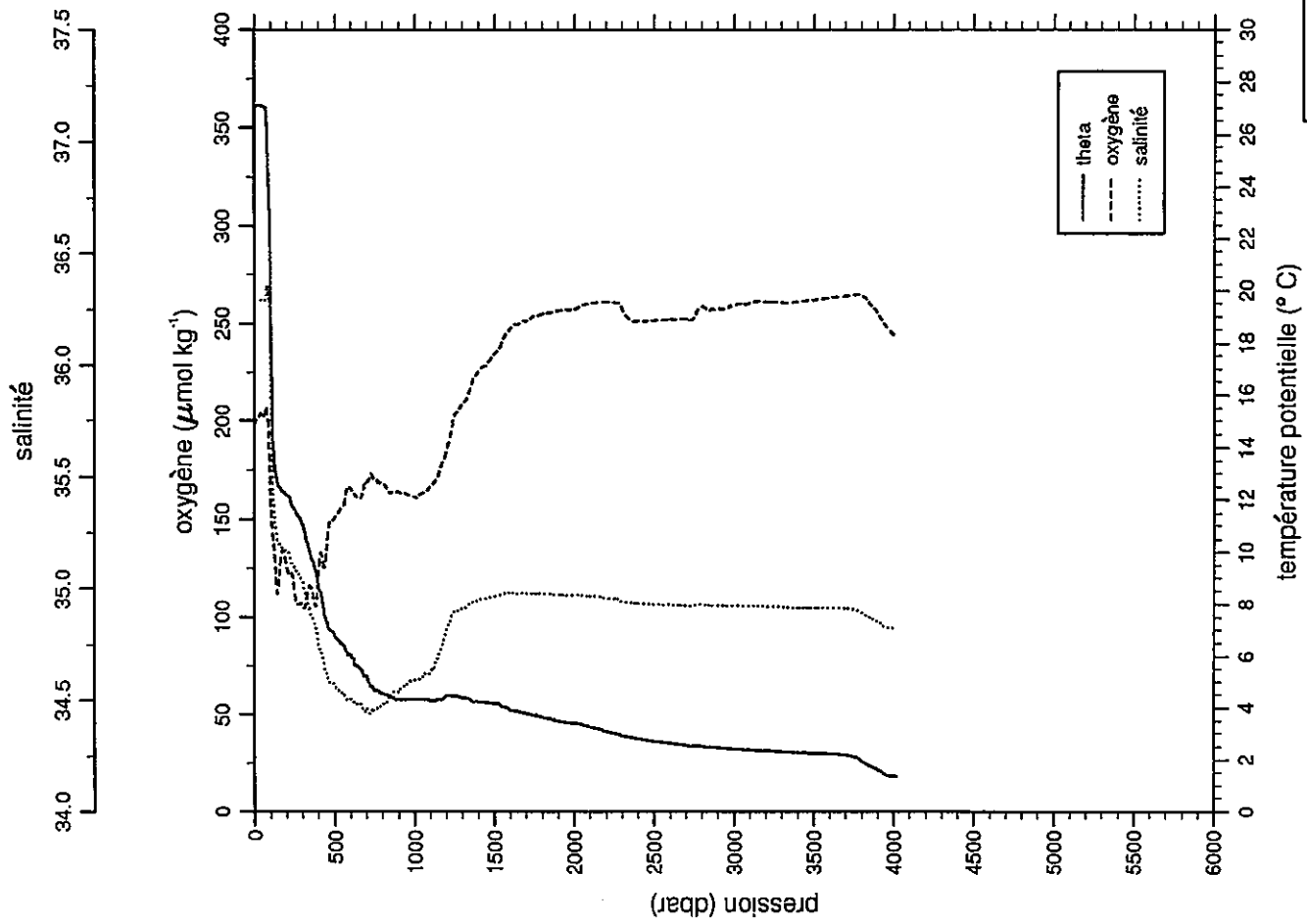
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.187	36.271	203.4	27.186	2850.	2.685	34.921	255.6	2.456
2.	27.184	36.271	202.5	27.183	2900.	2.656	34.919	256.0	2.423
3.	27.184	36.271	203.0	27.183	2950.	2.665	34.925	259.5	2.426
4.	27.184	36.271	203.1	27.184	3000.	2.641	34.923	261.5	2.398
5.	27.185	36.271	203.2	27.184	3050.	2.591	34.919	261.0	2.344
10.	27.190	36.272	203.8	27.187	3100.	2.566	34.916	261.0	2.315
20.	27.189	36.271	204.0	27.184	3150.	2.563	34.915	260.1	2.306
30.	27.185	36.271	203.6	27.178	3200.	2.560	34.915	260.5	2.298
40.	27.159	36.270	202.8	27.149	3250.	2.562	34.916	261.4	2.294
50.	27.152	36.270	201.9	27.141	3300.	2.559	34.916	262.0	2.287
100.	22.905	36.253	174.7	22.885	3350.	2.557	34.915	262.1	2.279
150.	12.816	35.240	118.6	12.796	3400.	2.557	34.915	262.6	2.274
200.	12.220	35.153	155.5	12.194	3450.	2.555	34.914	262.0	2.267
250.	11.836	35.122	124.8	11.803	3500.	2.549	34.915	263.3	2.255
300.	11.266	35.050	113.4	11.228	3550.	2.537	34.912	262.6	2.238
350.	10.273	34.931	117.9	10.232	3600.	2.536	34.912	262.6	2.232
400.	8.962	34.781	122.2	8.919	3650.	2.533	34.913	264.6	2.223
450.	7.536	34.618	153.5	7.491	3700.	2.534	34.913	264.9	2.218
500.	6.850	34.558	158.4	6.803	3750.	2.522	34.912	265.3	2.202
550.	6.342	34.516	164.6	6.292	3800.	2.483	34.910	265.8	2.158
600.	5.874	34.490	161.3	5.822	3850.	2.426	34.905	266.0	2.097
650.	5.445	34.463	162.7	5.390	3900.	2.154	34.877	259.6	1.827
700.	4.851	34.439	171.2	4.795	3905.	2.053	34.865	259.0	1.728
750.	4.524	34.436	174.9	4.465					
800.	4.574	34.488	169.0	4.511					
850.	4.500	34.524	164.3	4.433					
900.	4.448	34.569	163.2	4.377					
950.	4.473	34.596	160.8	4.398					
1000.	4.430	34.619	163.2	4.351					
1050.	4.342	34.622	169.3	4.260					
1100.	4.373	34.666	171.0	4.286					
1150.	4.367	34.713	172.8	4.275					
1200.	4.414	34.760	178.8	4.318					
1250.	4.584	34.863	193.5	4.481					
1300.	4.566	34.888	201.3	4.458					
1350.	4.494	34.920	211.0	4.382					
1400.	4.453	34.933	218.0	4.337					
1450.	4.378	34.944	222.4	4.258					
1500.	4.333	34.960	231.4	4.209					
1550.	4.243	34.971	238.1	4.115					
1600.	4.061	34.980	247.3	3.931					
1650.	3.907	34.981	252.7	3.774					
1700.	3.833	34.981	255.2	3.696					
1750.	3.826	34.981	255.0	3.685					
1800.	3.808	34.981	255.9	3.662					
1850.	3.794	34.981	256.7	3.643					
1900.	3.660	34.977	258.3	3.507					
1950.	3.574	34.974	259.5	3.418					
2000.	3.515	34.970	259.5	3.354					
2050.	3.470	34.969	259.7	3.306					
2100.	3.415	34.968	260.4	3.247					
2150.	3.334	34.964	261.0	3.162					
2200.	3.233	34.958	261.3	3.058					
2250.	3.168	34.954	260.0	2.989					
2300.	3.059	34.941	254.3	2.877					
2350.	3.072	34.951	259.3	2.886					
2400.	3.036	34.948	260.6	2.845					
2450.	3.010	34.945	260.7	2.814					
2500.	2.922	34.933	256.0	2.723					
2550.	2.896	34.931	254.3	2.694					
2600.	2.847	34.929	253.2	2.640					
2650.	2.801	34.924	253.6	2.590					
2700.	2.770	34.924	253.9	2.554					
2750.	2.716	34.919	251.4	2.497					
2800.	2.712	34.921	253.6	2.488					



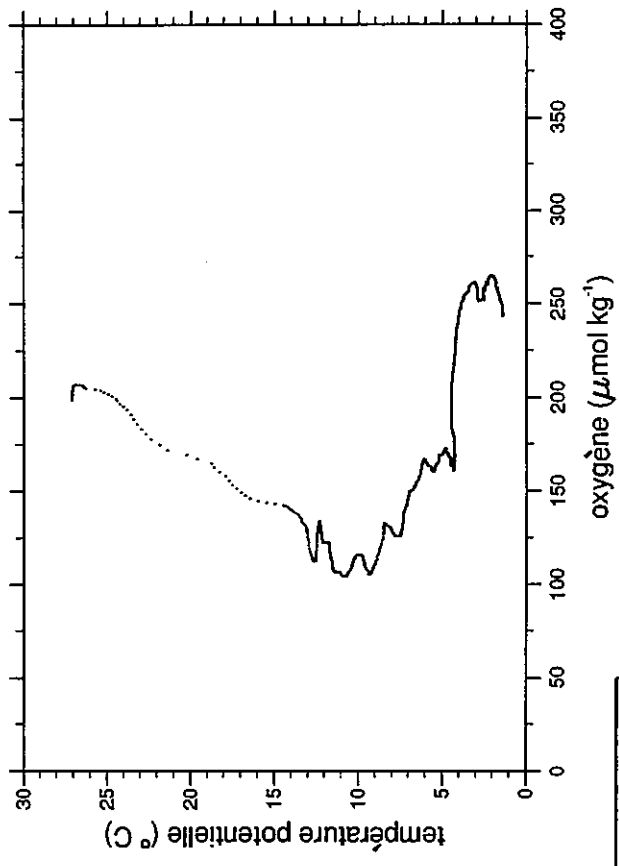
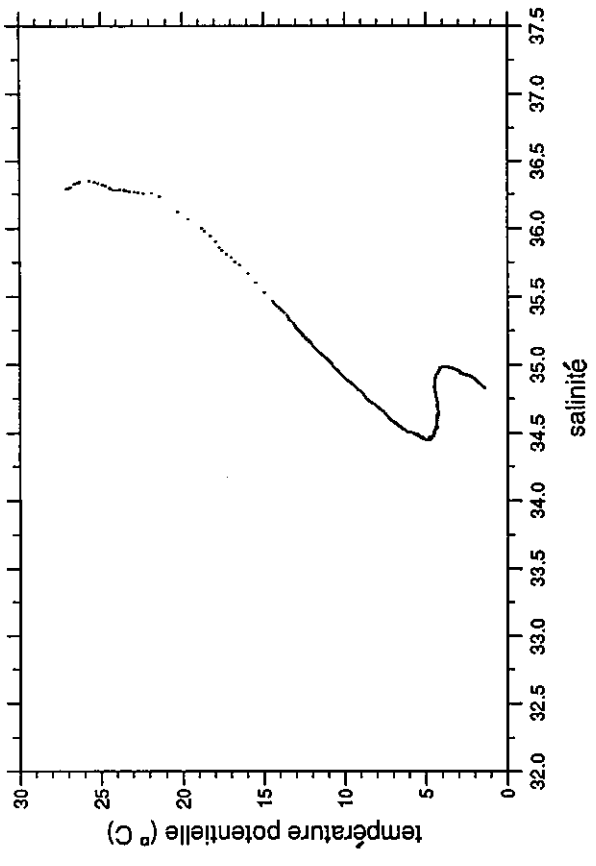
Station 99

Station : 100 Campagne : CITHER1
 Date : 02-02-93 Navire : L'ATALANTE
 Profondeur: 3989 m Organisme : IPREMER
 Position : S 2 16.86
 W 34 59.81

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.097	36.292	200.3	27.096	2850.	2.728	34.927	256.9	2.499
2.	27.097	36.292	199.3	27.096	2900.	2.705	34.925	257.4	2.471
3.	27.091	36.292	199.0	27.090	2950.	2.679	34.923	257.3	2.440
4.	27.092	36.292	199.2	27.091	3000.	2.675	34.925	259.1	2.431
5.	27.094	36.292	199.9	27.093	3050.	2.660	34.924	260.0	2.411
10.	27.099	36.292	200.5	27.096	3100.	2.640	34.923	260.3	2.386
20.	27.099	36.292	202.0	27.094	3150.	2.622	34.922	261.3	2.364
30.	27.103	36.292	202.8	27.097	3200.	2.605	34.920	261.0	2.342
40.	27.106	36.293	203.5	27.097	3250.	2.609	34.920	260.9	2.341
50.	27.092	36.292	202.0	27.081	3300.	2.589	34.918	260.5	2.316
100.	18.643	35.980	162.6	18.625	3350.	2.570	34.916	260.4	2.292
150.	12.552	35.208	114.8	12.532	3400.	2.560	34.915	260.9	2.277
200.	12.202	35.167	125.9	12.176	3450.	2.557	34.915	261.4	2.268
250.	11.637	35.096	113.4	11.605	3500.	2.553	34.914	261.6	2.259
300.	11.051	35.029	105.2	11.014	3550.	2.550	34.914	262.5	2.251
350.	9.841	34.884	115.4	9.800	3600.	2.542	34.915	263.1	2.237
400.	8.627	34.742	123.4	8.584	3650.	2.531	34.913	263.5	2.222
450.	7.382	34.619	133.9	7.338	3700.	2.511	34.912	264.1	2.196
500.	6.803	34.559	150.8	6.756	3750.	2.450	34.908	264.4	2.131
550.	6.499	34.535	156.1	6.448	3800.	2.265	34.893	264.2	1.946
600.	6.072	34.506	165.5	6.019	3850.	2.101	34.874	259.7	1.781
650.	5.632	34.488	160.6	5.576	3900.	1.936	34.853	255.0	1.615
700.	5.276	34.467	169.1	5.218	3950.	1.765	34.832	248.3	1.443
750.	4.719	34.457	170.4	4.660	4000.	1.717	34.826	243.9	1.391
800.	4.622	34.478	168.5	4.559	4017.	1.719	34.825	243.5	1.391
850.	4.522	34.524	163.3	4.456					
900.	4.391	34.541	164.0	4.321					
950.	4.404	34.566	162.9	4.329					
1000.	4.425	34.591	161.2	4.346					
1050.	4.420	34.606	163.3	4.336					
1100.	4.372	34.630	167.2	4.284					
1150.	4.420	34.707	172.7	4.328					
1200.	4.571	34.821	184.8	4.472					
1250.	4.566	34.900	202.8	4.463					
1300.	4.503	34.912	209.1	4.396					
1350.	4.428	34.936	217.0	4.317					
1400.	4.343	34.954	225.8	4.228					
1450.	4.322	34.959	229.0	4.203					
1500.	4.282	34.970	234.5	4.158					
1550.	4.155	34.980	241.6	4.028					
1600.	4.038	34.982	247.5	3.908					
1650.	3.995	34.983	249.8	3.860					
1700.	3.922	34.982	251.4	3.784					
1750.	3.862	34.982	253.7	3.720					
1800.	3.796	34.980	254.9	3.650					
1850.	3.743	34.978	255.6	3.594					
1900.	3.666	34.976	256.5	3.512					
1950.	3.607	34.974	257.0	3.450					
2000.	3.587	34.973	257.2	3.426					
2050.	3.519	34.974	259.3	3.354					
2100.	3.440	34.970	260.4	3.271					
2150.	3.367	34.966	260.6	3.195					
2200.	3.268	34.962	260.9	3.093					
2250.	3.197	34.958	260.4	3.018					
2300.	3.101	34.945	257.0	2.919					
2350.	3.049	34.939	251.8	2.862					
2400.	3.006	34.937	251.4	2.816					
2450.	2.950	34.934	251.3	2.756					
2500.	2.911	34.931	251.7	2.713					
2550.	2.872	34.929	251.8	2.669					
2600.	2.855	34.929	252.2	2.648					
2650.	2.818	34.926	252.3	2.606					
2700.	2.786	34.925	252.3	2.571					
2750.	2.764	34.928	253.5	2.544					
2800.	2.753	34.929	258.5	2.528					

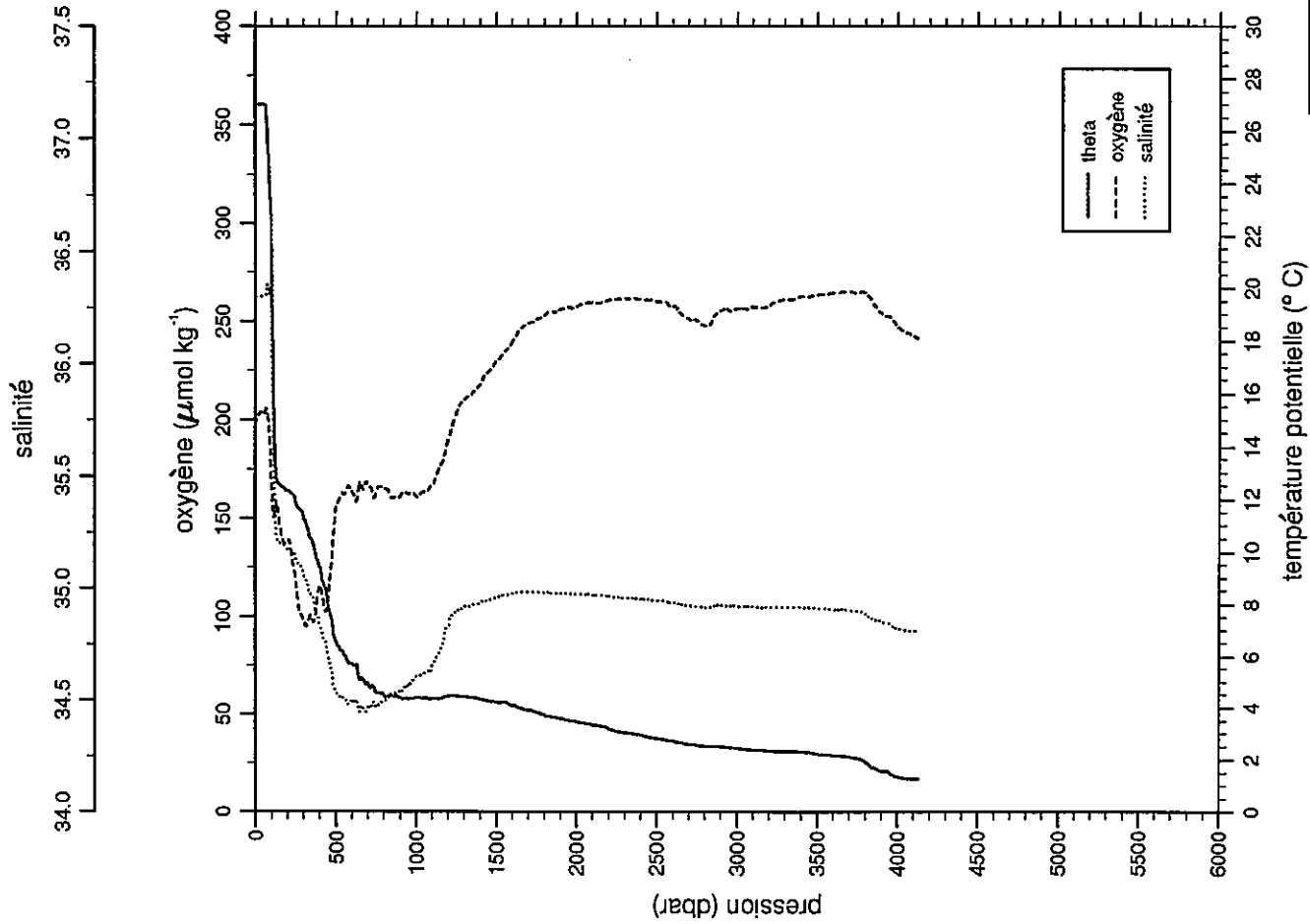


Station 100

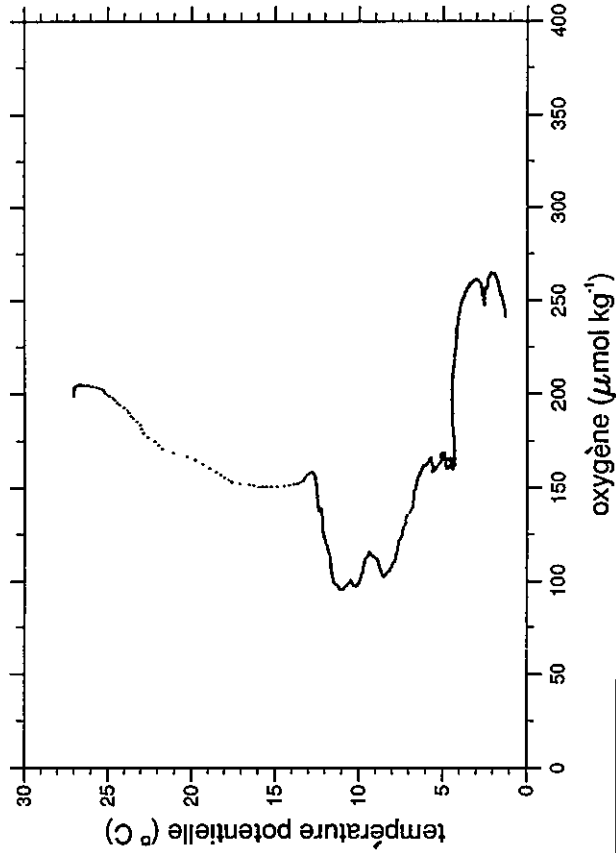
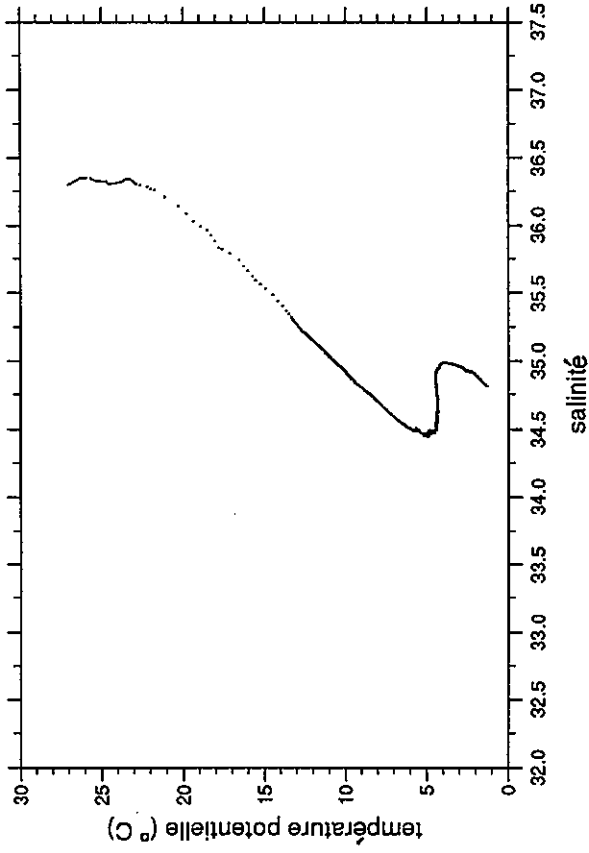


Station : 101 Campagne : CITHER1
 Date : 02-02-93 Navire : L'ATALANTE
 Profondeur: 4100 m Organisme : IFREMER
 Position : S 1 54.03
 W 35 0.02

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.005	36.296	200.1	27.004	2850.	2.775	34.926	251.6	2.545
2.	27.002	36.297	199.0	27.002	2900.	2.751	34.926	255.7	2.516
3.	27.002	36.297	198.7	27.002	2950.	2.724	34.924	255.7	2.485
4.	27.003	36.297	199.3	27.002	3000.	2.696	34.923	256.7	2.452
5.	27.004	36.297	199.8	27.003	3050.	2.674	34.921	256.6	2.425
10.	27.006	36.296	200.8	27.004	3100.	2.645	34.919	257.5	2.392
20.	27.012	36.296	202.5	27.008	3150.	2.627	34.918	256.9	2.369
30.	27.014	36.296	203.6	27.007	3200.	2.612	34.919	258.1	2.349
40.	27.015	36.297	203.4	27.006	3250.	2.602	34.919	260.2	2.334
50.	27.019	36.296	202.3	27.007	3300.	2.601	34.919	260.9	2.328
100.	21.106	36.212	168.7	21.087	3350.	2.602	34.920	261.2	2.324
150.	12.529	35.206	148.2	12.509	3400.	2.585	34.918	262.6	2.301
200.	12.304	35.179	138.2	12.278	3450.	2.565	34.918	262.4	2.276
250.	11.977	35.142	119.6	11.944	3500.	2.517	34.914	263.1	2.225
300.	11.264	35.060	97.5	11.226	3550.	2.494	34.913	263.8	2.197
350.	10.483	34.967	99.7	10.440	3600.	2.464	34.911	264.2	2.161
400.	9.428	34.837	115.6	9.383	3650.	2.454	34.910	264.6	2.147
450.	8.089	34.702	107.9	8.043	3700.	2.420	34.907	264.7	2.108
500.	6.568	34.538	154.7	6.522	3750.	2.375	34.902	264.3	2.058
550.	6.107	34.505	161.9	6.059	3800.	2.247	34.891	264.1	1.928
600.	5.740	34.491	163.6	5.688	3850.	2.034	34.866	258.9	1.715
650.	5.112	34.450	168.0	5.059	3900.	1.900	34.850	253.9	1.580
700.	4.982	34.474	167.0	4.926	3950.	1.855	34.844	252.5	1.530
750.	4.617	34.473	163.0	4.558	4000.	1.705	34.826	247.1	1.379
800.	4.532	34.492	165.0	4.470	4050.	1.634	34.818	244.4	1.305
850.	4.516	34.529	160.4	4.449	4100.	1.621	34.816	242.9	1.287
900.	4.451	34.536	161.1	4.381	4129.	1.622	34.816	241.2	1.284
950.	4.407	34.566	162.4	4.332					
1000.	4.463	34.605	161.4	4.383					
1050.	4.451	34.619	163.3	4.367					
1100.	4.441	34.652	166.9	4.352					
1150.	4.415	34.718	176.4	4.322					
1200.	4.530	34.829	189.3	4.432					
1250.	4.548	34.900	203.2	4.445					
1300.	4.517	34.918	210.2	4.410					
1350.	4.497	34.927	213.5	4.385					
1400.	4.423	34.936	217.9	4.308					
1450.	4.363	34.950	224.3	4.243					
1500.	4.326	34.961	229.9	4.202					
1550.	4.319	34.972	234.6	4.191					
1600.	4.216	34.980	240.1	4.084					
1650.	4.123	34.984	246.5	3.987					
1700.	4.049	34.984	248.9	3.909					
1750.	3.977	34.984	251.0	3.833					
1800.	3.866	34.981	252.9	3.719					
1850.	3.779	34.979	255.0	3.629					
1900.	3.742	34.980	256.4	3.588					
1950.	3.674	34.977	257.3	3.516					
2000.	3.621	34.977	257.5	3.459					
2050.	3.562	34.975	259.1	3.396					
2100.	3.501	34.971	259.3	3.332					
2150.	3.471	34.971	259.5	3.297					
2200.	3.372	34.967	260.7	3.194					
2250.	3.262	34.962	261.3	3.082					
2300.	3.223	34.959	261.5	3.039					
2350.	3.184	34.958	261.4	2.995					
2400.	3.144	34.955	261.1	2.952					
2450.	3.074	34.951	260.9	2.878					
2500.	3.027	34.947	260.2	2.827					
2550.	2.995	34.946	259.8	2.790					
2600.	2.949	34.941	257.4	2.740					
2650.	2.871	34.930	253.6	2.658					
2700.	2.817	34.924	251.2	2.600					
2750.	2.789	34.922	250.1	2.569					
2800.	2.754	34.917	247.7	2.529					

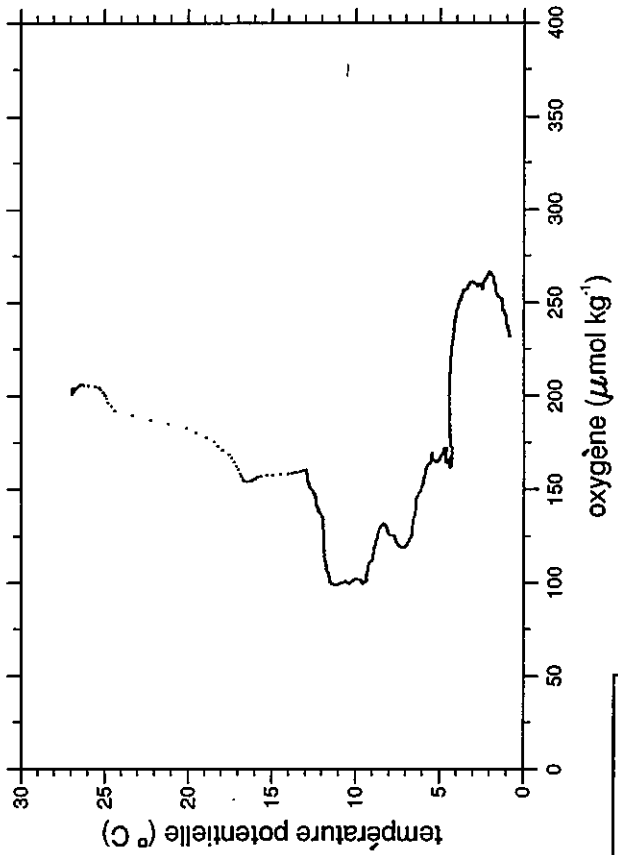
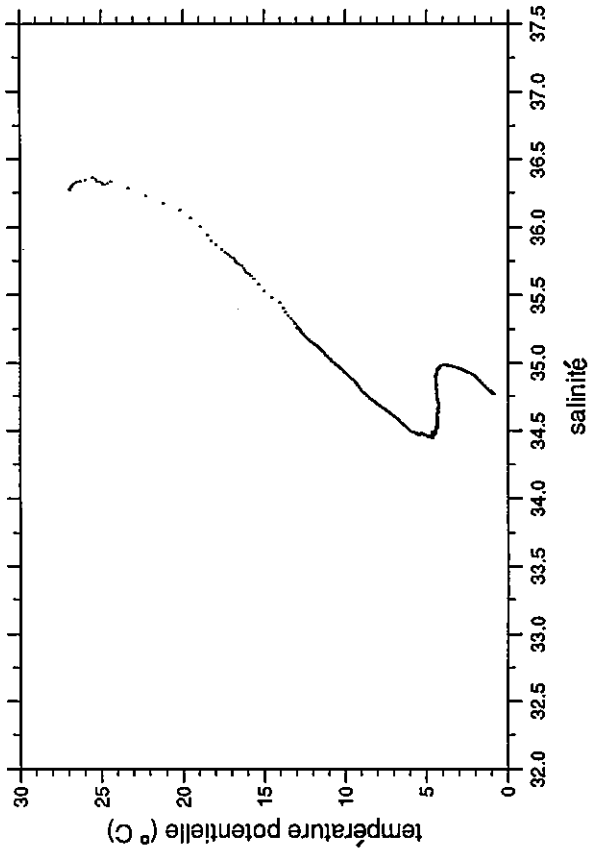
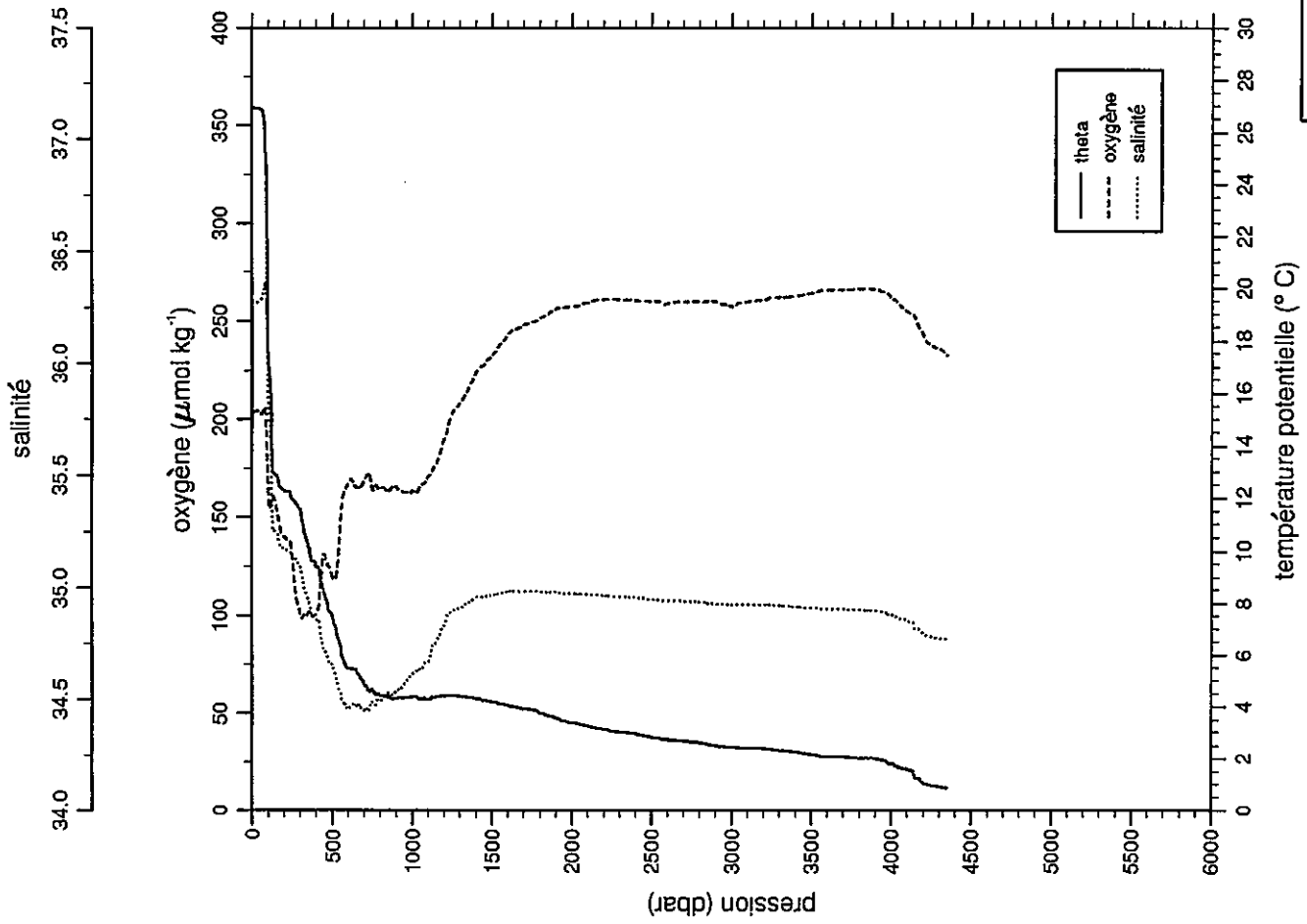


Station 101



Station	: 102	Campagne	: CITHER1
Date	: 02-02-93	Navire	: L'ATALANTE
Profondeur:	4311 m	Organisme	: IFREMER
Position	: S 1 28.41		
	W 35 0.20		

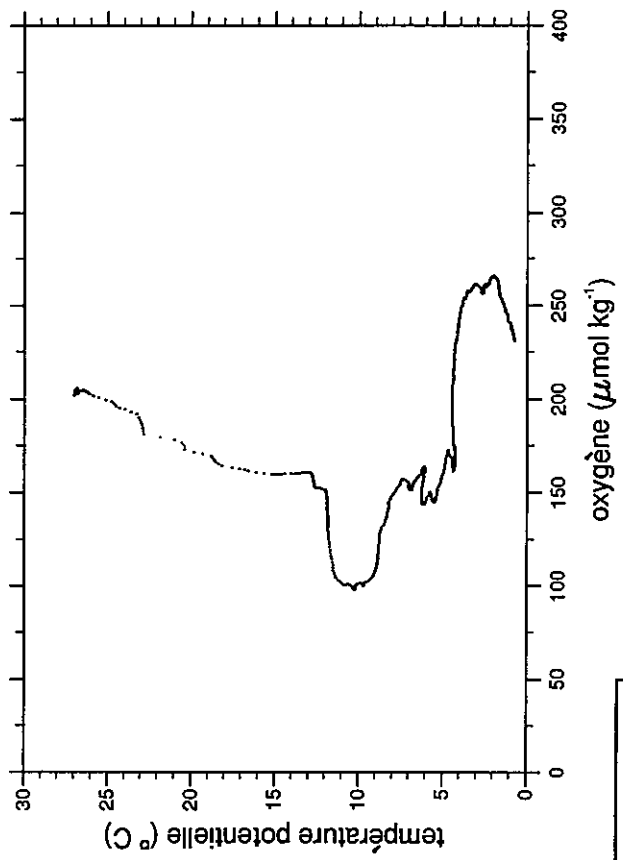
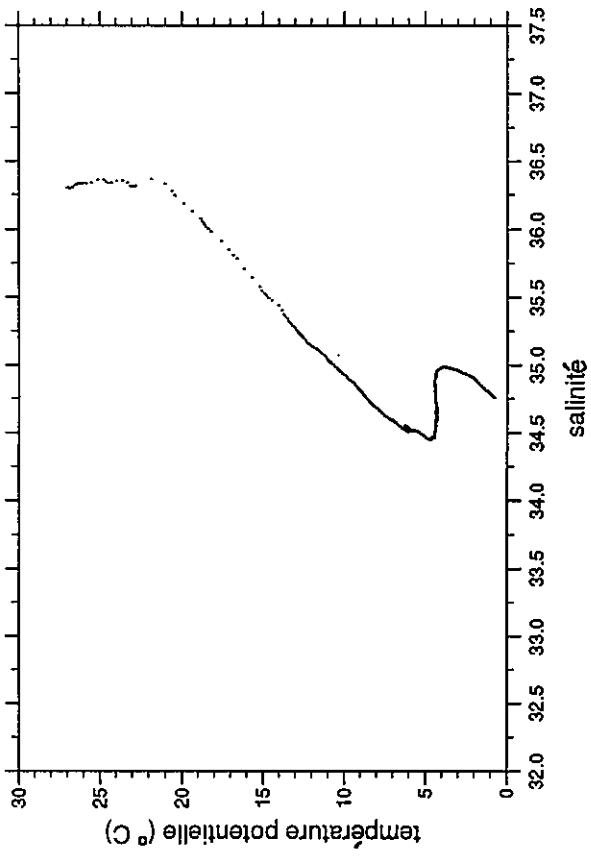
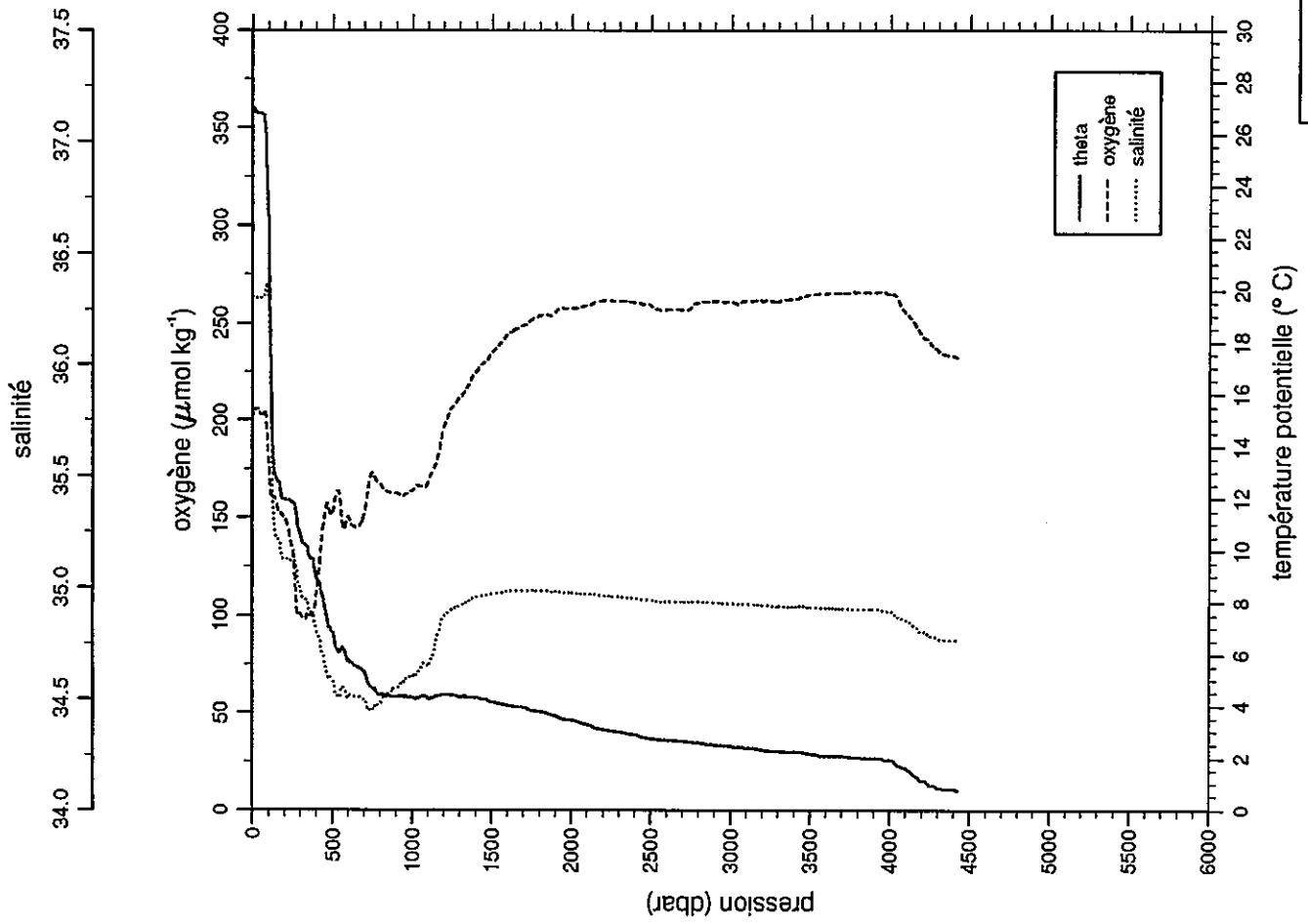
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.950	36.273	202.6	26.949	2850.	2.793	34.933	260.1	2.562
2.	26.951	36.273	200.5	26.950	2900.	2.756	34.931	259.9	2.521
3.	26.949	36.273	200.9	26.948	2950.	2.715	34.926	258.6	2.475
4.	26.948	36.273	201.7	26.947	3000.	2.690	34.923	257.6	2.446
5.	26.947	36.273	202.1	26.946	3050.	2.685	34.926	259.4	2.436
10.	26.952	36.273	203.2	26.950	3100.	2.684	34.925	260.0	2.430
20.	26.923	36.271	203.9	26.919	3150.	2.682	34.925	260.3	2.422
30.	26.920	36.272	203.8	26.913	3200.	2.677	34.925	260.8	2.412
40.	26.914	36.275	204.0	26.905	3250.	2.638	34.922	261.9	2.369
50.	26.903	36.279	202.8	26.892	3300.	2.611	34.920	262.0	2.338
100.	17.409	35.813	166.6	17.392	3350.	2.585	34.919	262.2	2.306
150.	12.888	35.251	155.1	12.868	3400.	2.551	34.917	262.7	2.268
200.	12.279	35.172	140.3	12.252	3450.	2.504	34.913	263.3	2.217
250.	11.977	35.138	131.6	11.944	3500.	2.458	34.911	264.1	2.166
300.	11.562	35.094	101.1	11.523	3550.	2.402	34.908	265.4	2.107
350.	10.172	34.937	101.1	10.131	3600.	2.366	34.905	265.7	2.066
400.	9.411	34.854	101.2	9.366	3650.	2.371	34.905	265.7	2.065
450.	8.407	34.723	131.3	8.359	3700.	2.370	34.904	265.9	2.059
500.	7.525	34.647	120.4	7.475	3750.	2.343	34.902	266.1	2.027
550.	6.443	34.536	144.5	6.392	3800.	2.345	34.902	266.2	2.024
600.	5.516	34.460	167.4	5.465	3850.	2.339	34.900	266.2	2.012
650.	5.427	34.472	165.3	5.372	3900.	2.333	34.899	266.1	2.001
700.	4.914	34.449	168.8	4.857	3950.	2.260	34.891	264.9	1.924
750.	4.707	34.487	165.0	4.648	4000.	2.125	34.876	261.7	1.787
800.	4.482	34.491	164.2	4.420	4050.	2.014	34.862	258.4	1.674
850.	4.466	34.526	162.9	4.399	4100.	1.942	34.852	254.9	1.598
900.	4.383	34.534	165.3	4.313	4150.	1.624	34.816	251.5	1.284
950.	4.410	34.570	162.7	4.336	4200.	1.379	34.789	242.5	1.040
1000.	4.434	34.607	163.2	4.355	4250.	1.313	34.781	237.7	0.971
1050.	4.396	34.634	165.7	4.313	4300.	1.245	34.774	235.6	0.900
1100.	4.345	34.662	170.6	4.258	4349.	1.192	34.767	232.2	0.843
1150.	4.459	34.754	177.2	4.366					
1200.	4.511	34.827	189.4	4.413					
1250.	4.540	34.894	202.7	4.437					
1300.	4.501	34.913	208.7	4.394					
1350.	4.464	34.928	215.0	4.353					
1400.	4.420	34.956	224.2	4.305					
1450.	4.345	34.957	227.8	4.226					
1500.	4.303	34.967	232.4	4.179					
1550.	4.232	34.975	238.1	4.105					
1600.	4.163	34.983	243.3	4.032					
1650.	4.115	34.983	245.9	3.979					
1700.	4.042	34.983	248.1	3.903					
1750.	4.026	34.984	249.4	3.882					
1800.	3.906	34.982	251.5	3.759					
1850.	3.822	34.981	253.7	3.671					
1900.	3.735	34.981	256.6	3.581					
1950.	3.621	34.974	257.1	3.464					
2000.	3.559	34.973	257.4	3.398					
2050.	3.501	34.971	258.3	3.336					
2100.	3.444	34.969	259.4	3.275					
2150.	3.361	34.967	260.8	3.189					
2200.	3.296	34.963	261.0	3.120					
2250.	3.223	34.960	261.1	3.043					
2300.	3.192	34.958	261.0	3.008					
2350.	3.181	34.957	260.8	2.992					
2400.	3.140	34.954	260.4	2.947					
2450.	3.068	34.951	260.2	2.872					
2500.	3.004	34.947	260.0	2.804					
2550.	2.966	34.944	259.8	2.762					
2600.	2.939	34.942	258.9	2.730					
2650.	2.917	34.941	259.8	2.704					
2700.	2.891	34.940	259.8	2.673					
2750.	2.868	34.938	259.7	2.646					
2800.	2.851	34.937	259.9	2.624					



Station 102

Station	: 103	Campagne	: CITHER1
Date	: 02-02-93	Navire	: L'ATALANTE
Profondeur	: 4387 m	Organisme	: IPREMER
Position	: S 1 8.04		
	W 34 59.98		

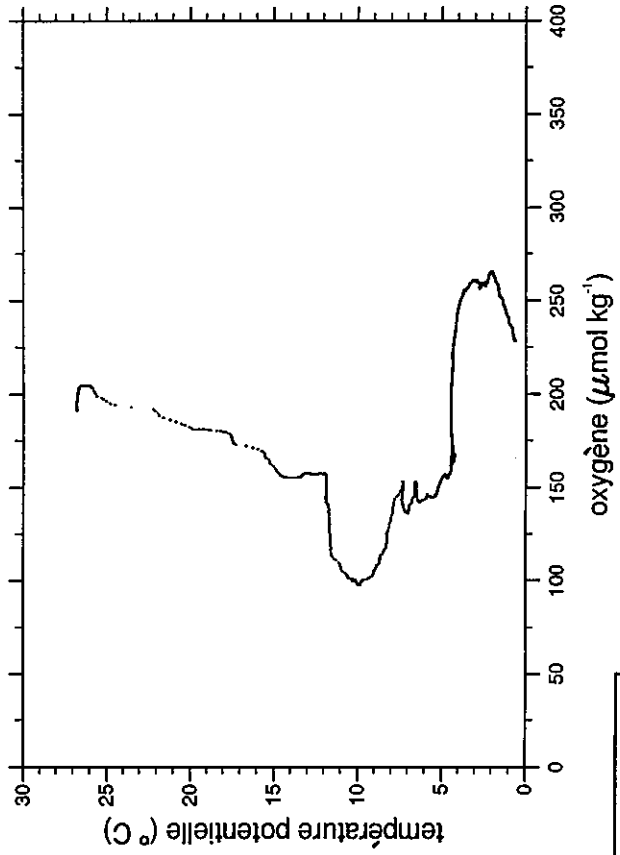
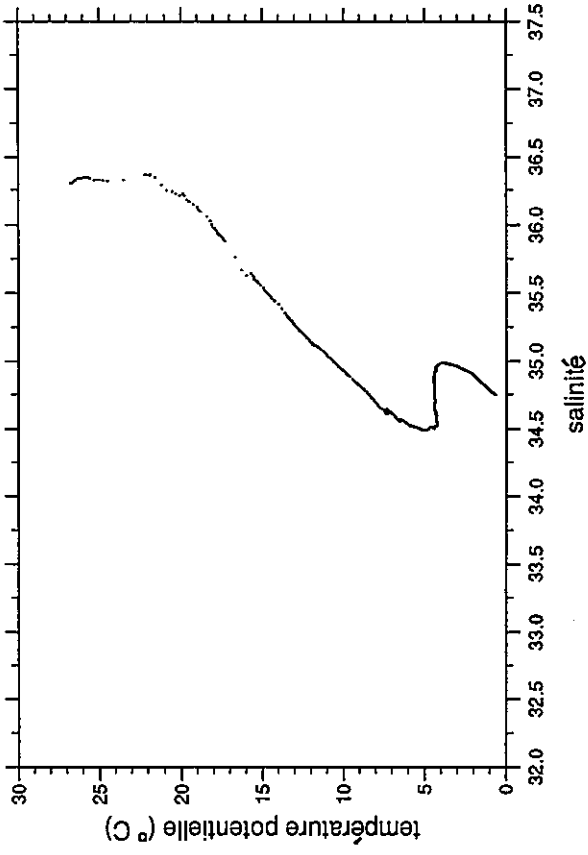
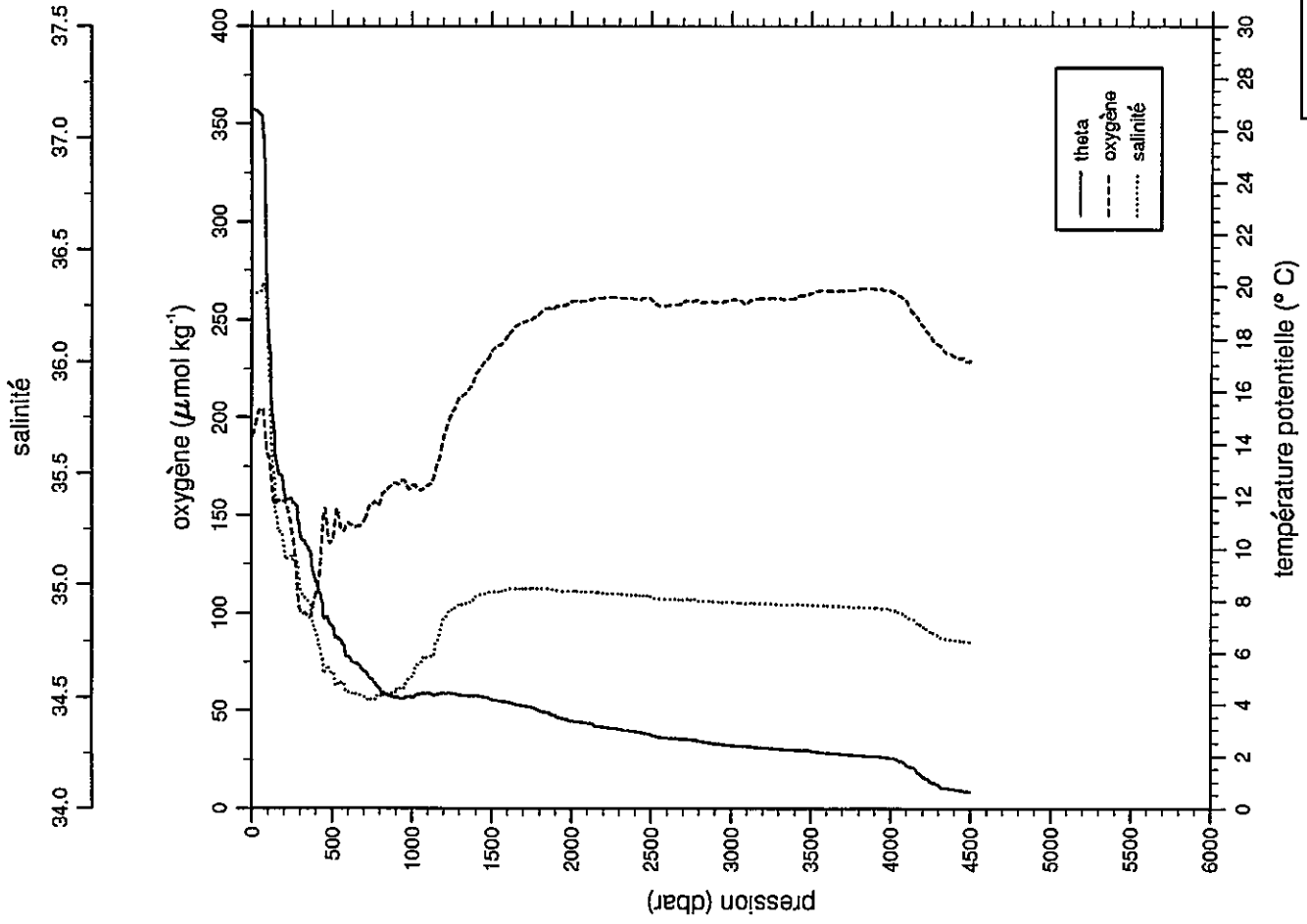
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.992	36.304	203.8	26.992	2850.	2.765	34.933	260.9	2.534
2.	26.992	36.304	202.5	26.992	2900.	2.743	34.932	261.2	2.508
3.	26.998	36.304	201.9	26.997	2950.	2.723	34.929	260.9	2.483
4.	26.998	36.304	202.4	26.997	3000.	2.702	34.928	260.5	2.458
5.	26.998	36.304	202.9	26.996	3050.	2.676	34.925	259.8	2.427
10.	26.989	36.304	204.8	26.987	3100.	2.654	34.924	261.1	2.400
20.	26.868	36.302	205.8	26.864	3150.	2.638	34.923	261.3	2.380
30.	26.837	36.301	205.6	26.830	3200.	2.601	34.920	261.2	2.338
40.	26.817	36.300	205.2	26.808	3250.	2.547	34.916	261.1	2.280
50.	26.812	36.299	203.1	26.800	3300.	2.542	34.916	261.0	2.270
100.	22.842	36.321	181.2	22.821	3350.	2.530	34.915	261.7	2.253
150.	12.755	35.229	157.3	12.735	3400.	2.532	34.915	262.6	2.250
200.	11.986	35.129	149.9	11.960	3450.	2.523	34.916	263.6	2.235
250.	11.861	35.121	134.7	11.828	3500.	2.473	34.912	264.4	2.181
300.	10.615	34.988	100.7	10.578	3550.	2.424	34.909	265.0	2.128
350.	9.906	34.909	101.2	9.865	3600.	2.391	34.907	265.2	2.091
400.	8.969	34.800	110.2	8.926	3650.	2.397	34.907	265.4	2.090
450.	7.989	34.671	149.2	7.943	3700.	2.400	34.906	265.6	2.088
500.	6.905	34.578	152.3	6.858	3750.	2.374	34.904	265.6	2.057
550.	6.186	34.525	159.0	6.137	3800.	2.351	34.901	265.7	2.030
600.	5.824	34.516	150.2	5.772	3850.	2.349	34.902	265.6	2.022
650.	5.593	34.510	144.8	5.537	3900.	2.352	34.901	265.8	2.019
700.	5.384	34.493	151.8	5.325	3950.	2.350	34.901	266.0	2.012
750.	4.736	34.451	172.8	4.677	4000.	2.271	34.892	264.6	1.929
800.	4.512	34.482	167.8	4.449	4050.	2.053	34.867	261.6	1.712
850.	4.459	34.518	163.3	4.392	4100.	1.944	34.853	255.1	1.601
900.	4.437	34.551	162.5	4.367	4150.	1.726	34.827	250.3	1.383
950.	4.453	34.575	161.3	4.378	4200.	1.486	34.801	243.2	1.144
1000.	4.414	34.603	163.7	4.335	4250.	1.304	34.781	239.9	0.963
1050.	4.398	34.628	166.2	4.315	4300.	1.194	34.769	236.0	0.851
1100.	4.385	34.648	168.0	4.297	4350.	1.153	34.763	233.5	0.805
1150.	4.474	34.761	177.9	4.381	4400.	1.154	34.764	232.8	0.800
1200.	4.546	34.875	196.4	4.448	4426.	1.105	34.758	231.3	0.750
1250.	4.521	34.903	206.3	4.418					
1300.	4.454	34.915	211.7	4.347					
1350.	4.461	34.934	217.5	4.350					
1400.	4.437	34.954	224.7	4.321					
1450.	4.381	34.962	229.3	4.261					
1500.	4.278	34.969	234.6	4.155					
1550.	4.212	34.975	239.3	4.085					
1600.	4.150	34.982	244.4	4.019					
1650.	4.105	34.983	247.1	3.970					
1700.	4.067	34.985	249.0	3.927					
1750.	3.960	34.984	251.8	3.817					
1800.	3.921	34.985	253.9	3.774					
1850.	3.855	34.981	254.2	3.704					
1900.	3.765	34.981	255.9	3.611					
1950.	3.644	34.976	257.5	3.486					
2000.	3.618	34.975	257.5	3.456					
2050.	3.548	34.972	257.8	3.382					
2100.	3.462	34.970	259.3	3.293					
2150.	3.338	34.966	260.8	3.166					
2200.	3.275	34.963	261.4	3.100					
2250.	3.218	34.960	261.3	3.039					
2300.	3.191	34.959	261.1	3.008					
2350.	3.122	34.955	260.7	2.934					
2400.	3.082	34.952	260.5	2.890					
2450.	2.992	34.946	259.5	2.797					
2500.	2.939	34.941	258.7	2.740					
2550.	2.902	34.937	256.7	2.699					
2600.	2.885	34.937	256.9	2.678					
2650.	2.868	34.936	256.9	2.656					
2700.	2.856	34.934	256.7	2.639					
2750.	2.840	34.936	258.0	2.618					
2800.	2.798	34.935	260.3	2.572					



Station 103

Station	: 104	Campagne	: CITHER1
Date	: 02-02-93	Navire	: L'ATALANTE
Profondeur:	4471 m	Organisme	: IFRIMER
Position	: S 0 46.73		
	W 34 59.87		

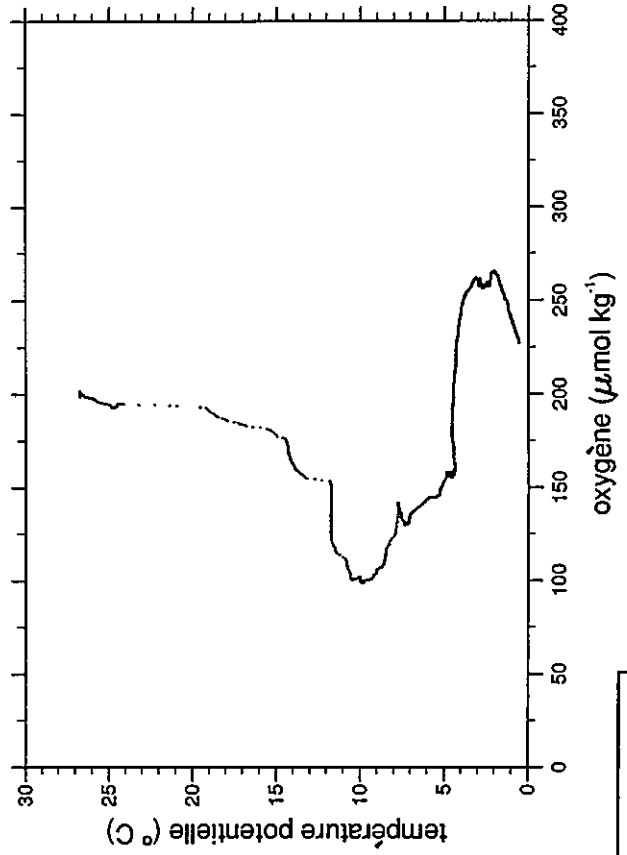
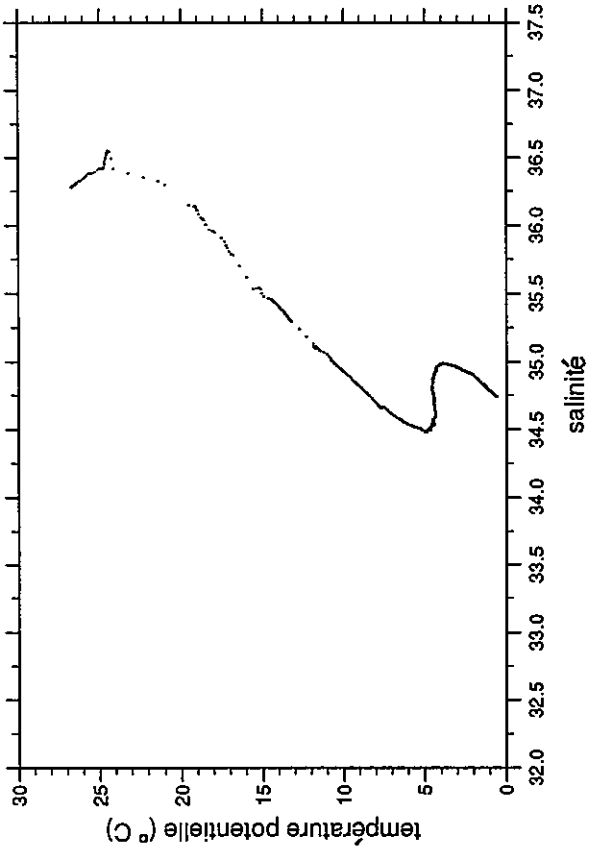
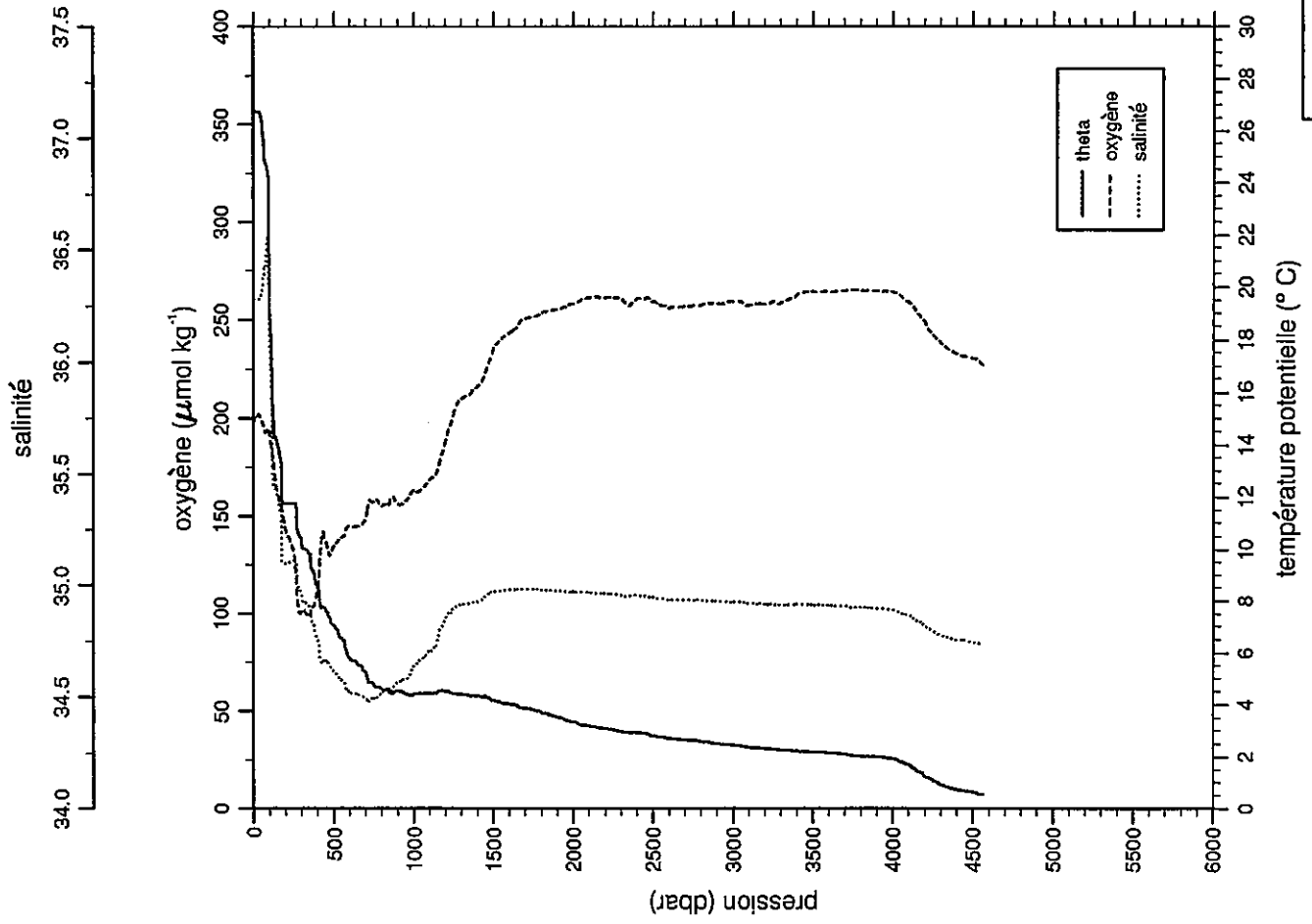
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.784	36.306	191.5	26.784	2850.	2.759	34.930	258.8	2.529
2.	26.784	36.306	191.4	26.784	2900.	2.718	34.927	258.5	2.484
3.	26.781	36.307	191.3	26.781	2950.	2.693	34.927	258.7	2.454
4.	26.782	36.307	191.3	26.781	3000.	2.670	34.926	259.9	2.427
5.	26.783	36.307	191.5	26.782	3050.	2.653	34.923	259.4	2.404
10.	26.787	36.306	192.4	26.785	3100.	2.618	34.920	258.1	2.366
20.	26.786	36.306	195.4	26.781	3150.	2.599	34.920	260.2	2.341
30.	26.759	36.304	199.1	26.752	3200.	2.592	34.920	260.4	2.330
40.	26.692	36.306	201.9	26.682	3250.	2.580	34.919	260.5	2.312
50.	26.650	36.308	203.7	26.638	3300.	2.551	34.916	260.6	2.278
100.	19.017	36.128	181.3	18.999	3350.	2.525	34.913	259.8	2.248
150.	13.410	35.319	155.8	13.388	3400.	2.521	34.914	260.6	2.239
200.	12.262	35.166	157.6	12.235	3450.	2.520	34.915	262.3	2.232
250.	11.920	35.129	142.6	11.887	3500.	2.499	34.915	263.2	2.207
300.	10.604	34.990	101.6	10.568	3550.	2.460	34.912	264.5	2.163
350.	10.074	34.931	98.1	10.033	3600.	2.434	34.909	264.5	2.132
400.	8.739	34.782	109.7	8.696	3650.	2.414	34.907	264.3	2.107
450.	7.365	34.605	150.9	7.321	3700.	2.398	34.906	264.4	2.086
500.	7.063	34.611	137.0	7.015	3750.	2.379	34.904	264.6	2.062
550.	6.544	34.567	146.0	6.493	3800.	2.364	34.904	265.6	2.042
600.	5.896	34.522	146.3	5.843	3850.	2.343	34.902	265.7	2.016
650.	5.651	34.513	144.3	5.595	3900.	2.341	34.901	265.5	2.008
700.	5.363	34.502	146.9	5.304	3950.	2.309	34.897	265.0	1.971
750.	5.024	34.489	155.4	4.963	4000.	2.266	34.892	264.2	1.924
800.	4.686	34.511	156.2	4.623	4050.	2.172	34.880	262.2	1.827
850.	4.425	34.517	163.7	4.359	4100.	1.981	34.857	258.2	1.636
900.	4.331	34.526	166.8	4.261	4150.	1.872	34.844	252.3	1.525
950.	4.306	34.542	168.1	4.232	4200.	1.581	34.813	246.2	1.237
1000.	4.355	34.589	164.8	4.276	4250.	1.344	34.786	240.9	1.002
1050.	4.499	34.654	163.3	4.415	4300.	1.239	34.774	236.9	0.894
1100.	4.520	34.680	165.4	4.431	4350.	1.121	34.760	232.8	0.774
1150.	4.464	34.739	173.3	4.371	4400.	1.074	34.755	230.7	0.723
1200.	4.530	34.849	190.0	4.432	4450.	1.047	34.752	230.0	0.691
1250.	4.530	34.892	201.9	4.428	4496.	1.002	34.747	228.4	0.643
1300.	4.478	34.915	210.1	4.371					
1350.	4.454	34.925	213.5	4.343					
1400.	4.449	34.951	221.3	4.333					
1450.	4.404	34.961	227.7	4.283					
1500.	4.301	34.969	233.7	4.177					
1550.	4.248	34.971	236.9	4.121					
1600.	4.210	34.980	241.3	4.078					
1650.	4.125	34.985	246.5	3.990					
1700.	4.071	34.986	248.9	3.932					
1750.	4.031	34.986	250.3	3.887					
1800.	3.883	34.982	253.1	3.737					
1850.	3.830	34.983	255.7	3.679					
1900.	3.702	34.979	256.2	3.548					
1950.	3.599	34.974	257.0	3.442					
2000.	3.507	34.972	258.9	3.347					
2050.	3.490	34.972	259.0	3.325					
2100.	3.448	34.971	259.6	3.279					
2150.	3.329	34.966	260.6	3.157					
2200.	3.300	34.965	261.0	3.124					
2250.	3.258	34.963	261.1	3.078					
2300.	3.216	34.960	260.9	3.032					
2350.	3.173	34.957	260.6	2.985					
2400.	3.137	34.954	260.2	2.944					
2450.	3.092	34.954	260.9	2.895					
2500.	3.008	34.947	260.0	2.808					
2550.	2.924	34.939	256.6	2.721					
2600.	2.911	34.939	257.1	2.703					
2650.	2.891	34.937	257.4	2.679					
2700.	2.874	34.939	258.4	2.656					
2750.	2.852	34.937	258.9	2.630					
2800.	2.803	34.933	258.9	2.577					



Station 104

Station : 105	Campagne : CITHER1
Date : 03-02-93	Navire : L'ATALANTE
Profondeur: 4533 m	Organisme : IFREMER
Position : S 0 22.02	
W 34 59.93	

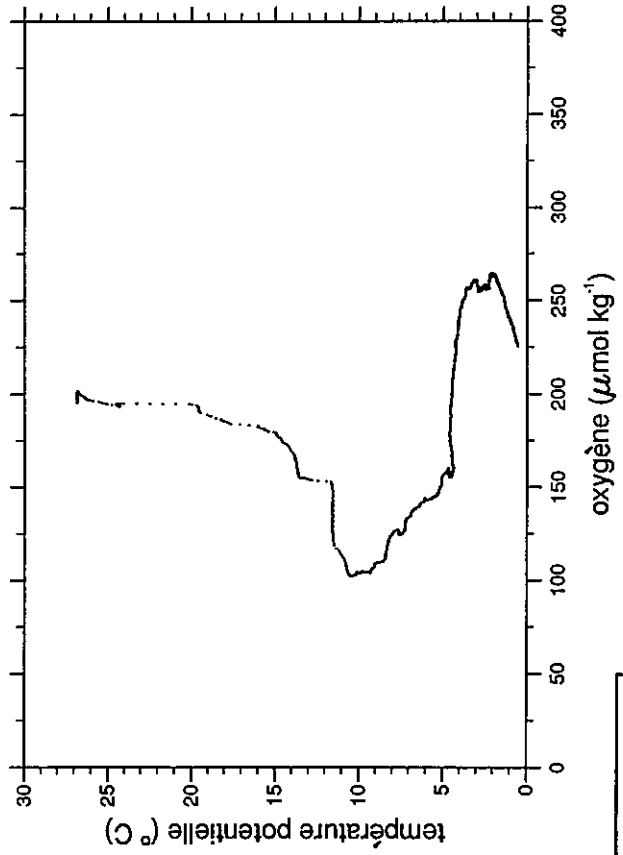
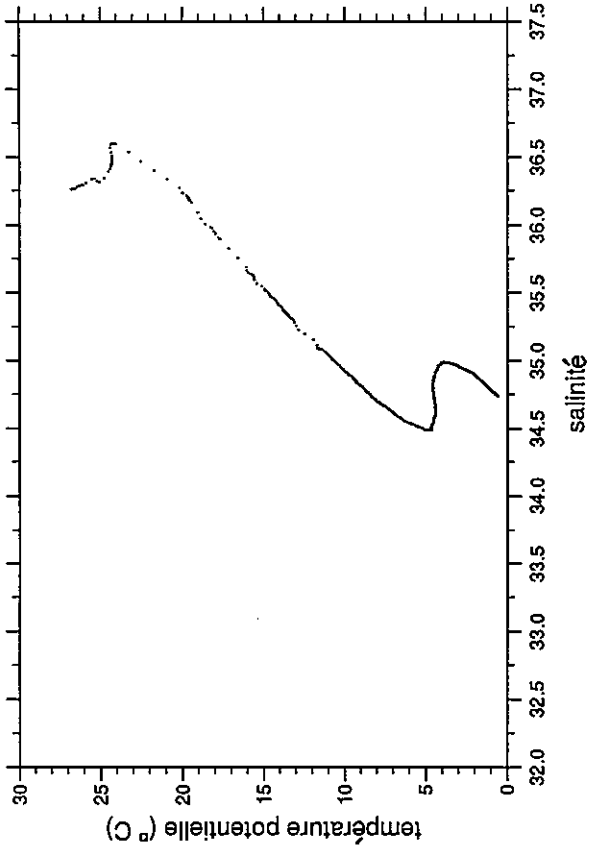
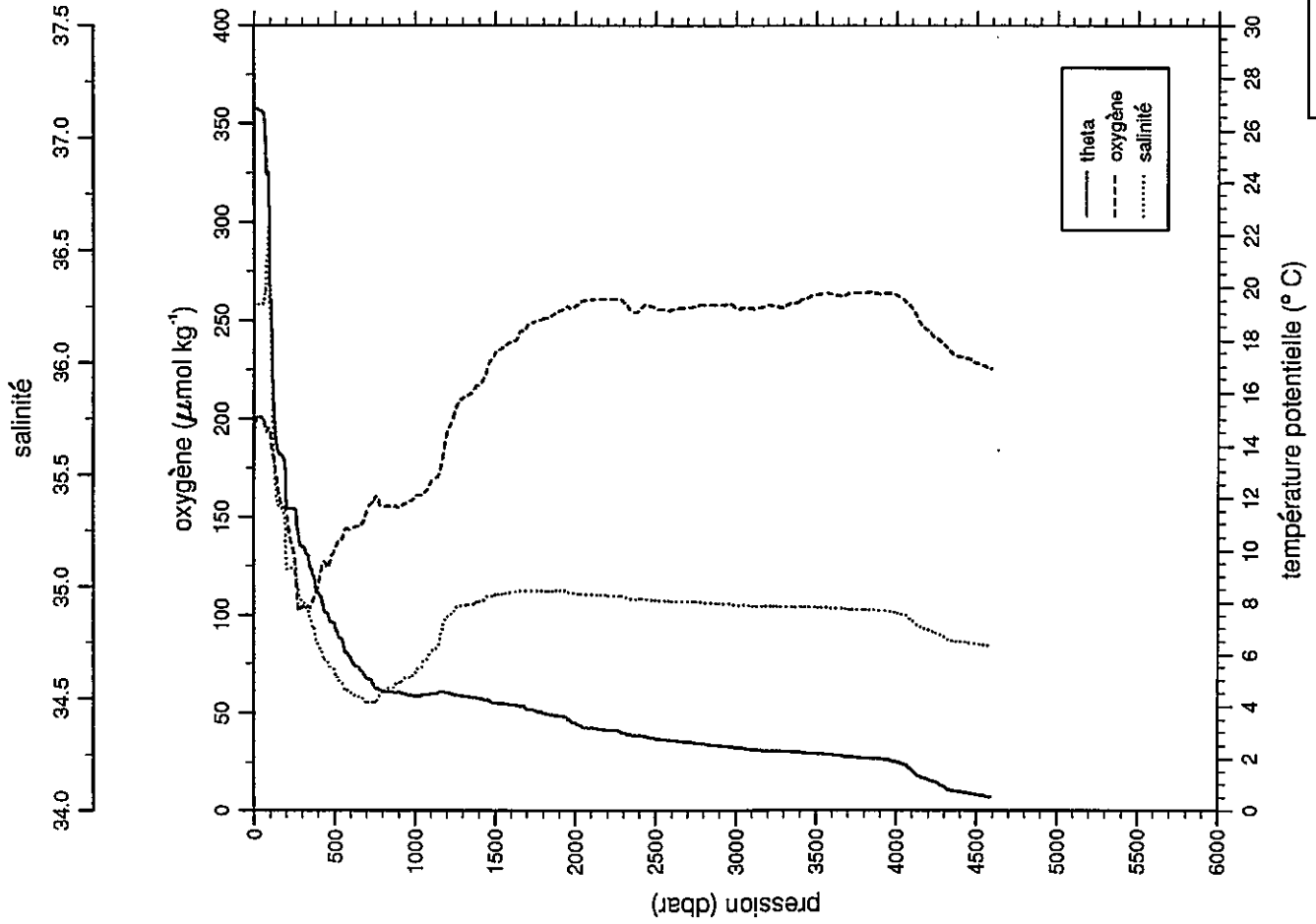
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.757	36.278	199.7	26.757	2850.	2.794	34.932	258.4	2.563
2.	26.754	36.278	198.7	26.753	2900.	2.755	34.928	258.4	2.520
3.	26.754	36.278	198.5	26.754	2950.	2.722	34.928	258.7	2.482
4.	26.755	36.278	198.9	26.754	3000.	2.696	34.926	259.3	2.452
5.	26.756	36.278	199.3	26.755	3050.	2.674	34.923	259.2	2.425
10.	26.759	36.278	199.7	26.757	3100.	2.617	34.918	257.6	2.364
20.	26.757	36.279	201.3	26.752	3150.	2.602	34.917	258.3	2.344
30.	26.752	36.279	201.8	26.746	3200.	2.589	34.916	257.9	2.326
40.	26.665	36.287	200.7	26.656	3250.	2.578	34.917	259.2	2.310
50.	26.498	36.303	199.0	26.487	3300.	2.534	34.913	258.7	2.262
100.	19.075	36.122	191.7	19.057	3350.	2.525	34.913	260.4	2.248
150.	14.024	35.403	162.4	14.002	3400.	2.512	34.915	262.5	2.230
200.	11.754	35.102	142.6	11.729	3450.	2.485	34.913	264.2	2.198
250.	11.769	35.110	131.8	11.737	3500.	2.483	34.913	264.3	2.191
300.	10.206	34.948	101.1	10.171	3550.	2.483	34.912	264.2	2.186
350.	9.844	34.905	99.0	9.803	3600.	2.447	34.909	264.0	2.145
400.	8.540	34.757	112.5	8.497	3650.	2.433	34.908	264.4	2.126
450.	7.725	34.666	137.6	7.680	3700.	2.422	34.908	264.9	2.110
500.	7.080	34.614	134.7	7.032	3750.	2.354	34.902	265.2	2.038
550.	6.593	34.574	139.4	6.542	3800.	2.344	34.902	264.9	2.023
600.	5.831	34.524	144.5	5.779	3850.	2.343	34.900	264.8	2.016
650.	5.583	34.509	144.7	5.528	3900.	2.327	34.898	264.4	1.995
700.	5.295	34.497	148.5	5.237	3950.	2.293	34.895	264.4	1.956
750.	4.838	34.497	157.2	4.778	4000.	2.260	34.890	264.1	1.918
800.	4.681	34.519	155.2	4.617	4050.	2.143	34.877	262.2	1.799
850.	4.521	34.529	157.0	4.454	4100.	2.045	34.866	258.9	1.698
900.	4.585	34.566	156.1	4.514	4150.	1.831	34.841	254.1	1.485
950.	4.500	34.581	157.5	4.424	4200.	1.590	34.814	248.7	1.245
1000.	4.457	34.637	163.0	4.377	4250.	1.427	34.795	242.5	1.081
1050.	4.516	34.672	163.7	4.432	4300.	1.267	34.777	238.2	0.922
1100.	4.522	34.705	168.7	4.433	4350.	1.155	34.764	234.9	0.807
1150.	4.550	34.749	173.3	4.457	4400.	1.074	34.755	232.6	0.723
1200.	4.601	34.851	188.4	4.503	4450.	1.039	34.751	231.5	0.684
1250.	4.515	34.898	202.5	4.412	4500.	1.002	34.747	230.3	0.642
1300.	4.491	34.917	210.1	4.384	4550.	0.918	34.738	228.0	0.555
1350.	4.459	34.921	212.1	4.348	4561.	0.913	34.737	227.3	0.549
1400.	4.428	34.929	216.2	4.312					
1450.	4.426	34.954	223.8	4.305					
1500.	4.271	34.971	235.3	4.147					
1550.	4.178	34.977	240.5	4.051					
1600.	4.146	34.980	243.5	4.015					
1650.	4.096	34.985	246.6	3.961					
1700.	4.001	34.984	250.6	3.862					
1750.	3.946	34.983	251.7	3.803					
1800.	3.854	34.981	253.7	3.708					
1850.	3.769	34.978	255.0	3.619					
1900.	3.682	34.975	255.6	3.529					
1950.	3.580	34.972	256.8	3.423					
2000.	3.511	34.972	258.5	3.351					
2050.	3.399	34.969	260.4	3.236					
2100.	3.358	34.968	261.1	3.190					
2150.	3.300	34.965	261.6	3.128					
2200.	3.277	34.964	261.3	3.102					
2250.	3.220	34.960	261.4	3.040					
2300.	3.161	34.957	260.7	2.977					
2350.	3.116	34.951	257.4	2.929					
2400.	3.125	34.955	260.7	2.932					
2450.	3.106	34.954	260.8	2.909					
2500.	3.023	34.947	259.2	2.822					
2550.	2.970	34.942	257.4	2.766					
2600.	2.922	34.938	256.1	2.714					
2650.	2.893	34.937	256.6	2.680					
2700.	2.881	34.936	256.9	2.664					
2750.	2.864	34.935	257.2	2.642					
2800.	2.831	34.933	257.6	2.605					



Station 105

Station : 106 Campagne : CITHER1
 Date : 03-02-93 Navire : L'ATALANTE
 Profondeur: 4562 m Organisme : IFREMER
 Position : S 0 1.62
 W 34 59.88

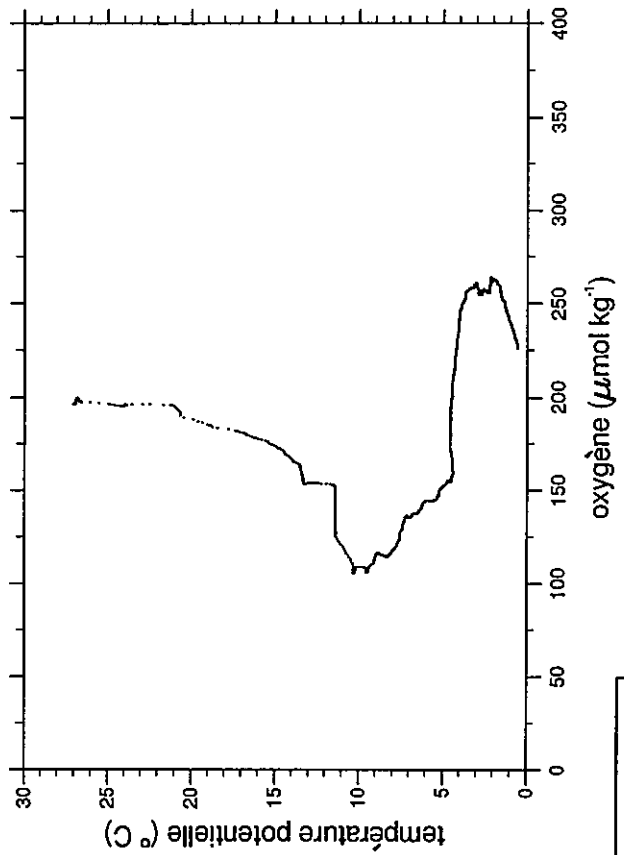
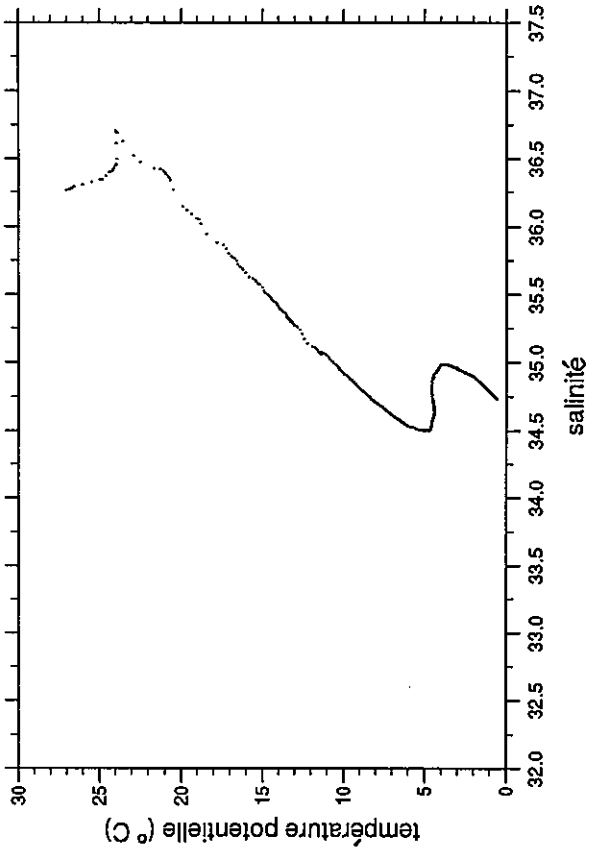
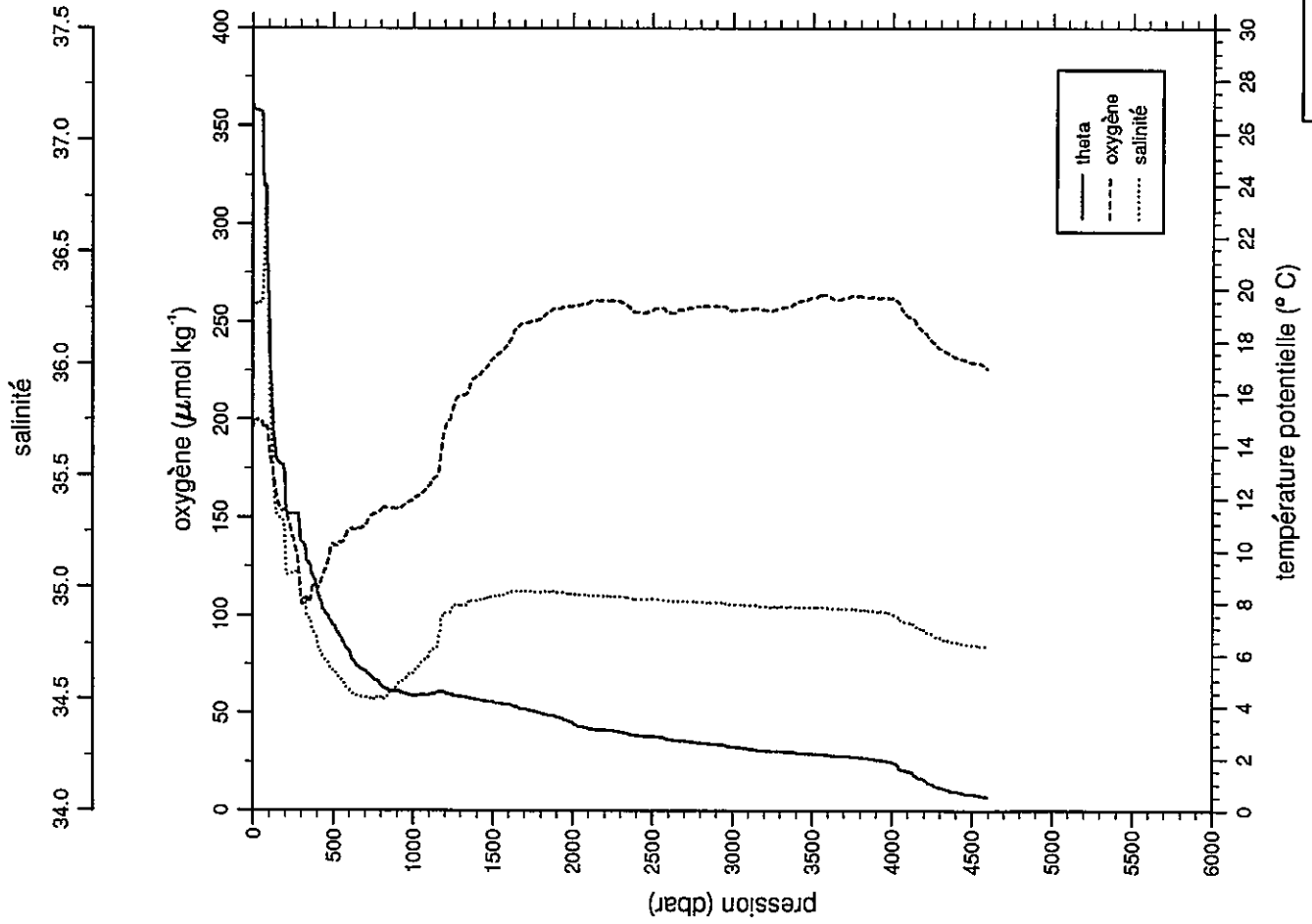
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.818	36.261	197.4	26.818	2850.	2.764	34.930	257.9	2.534
2.	26.818	36.261	196.2	26.818	2900.	2.742	34.928	257.9	2.507
3.	26.817	36.261	195.3	26.816	2950.	2.716	34.928	258.4	2.476
4.	26.818	36.261	195.6	26.817	3000.	2.677	34.922	256.1	2.433
5.	26.820	36.262	196.0	26.819	3050.	2.647	34.920	256.8	2.398
10.	26.817	36.261	199.0	26.815	3100.	2.600	34.917	256.3	2.348
20.	26.812	36.261	201.6	26.807	3150.	2.586	34.917	256.6	2.329
30.	26.785	36.260	201.5	26.778	3200.	2.574	34.916	257.9	2.312
40.	26.764	36.260	201.1	26.755	3250.	2.574	34.915	257.5	2.307
50.	26.715	36.261	200.4	26.704	3300.	2.548	34.914	257.1	2.276
100.	19.612	36.192	192.7	19.594	3350.	2.537	34.913	259.3	2.260
150.	13.766	35.368	163.0	13.744	3400.	2.533	34.915	260.1	2.251
200.	11.663	35.092	152.3	11.637	3450.	2.492	34.913	261.7	2.206
250.	11.580	35.088	129.9	11.548	3500.	2.490	34.913	263.0	2.197
300.	10.159	34.937	104.4	10.124	3550.	2.466	34.912	263.9	2.168
350.	9.359	34.849	104.0	9.320	3600.	2.452	34.909	263.4	2.149
400.	8.385	34.740	116.5	8.343	3650.	2.442	34.908	262.7	2.135
450.	7.639	34.670	125.0	7.594	3700.	2.363	34.903	263.9	2.052
500.	7.199	34.629	133.2	7.151	3750.	2.360	34.902	264.1	2.043
550.	6.515	34.568	139.4	6.465	3800.	2.339	34.900	264.1	2.018
600.	5.886	34.529	143.5	5.833	3850.	2.322	34.899	264.2	1.995
650.	5.536	34.510	145.2	5.481	3900.	2.312	34.898	263.5	1.980
700.	5.111	34.485	152.9	5.054	3950.	2.292	34.895	263.8	1.955
750.	4.813	34.484	159.2	4.753	4000.	2.214	34.887	262.8	1.873
800.	4.626	34.528	155.1	4.563	4050.	2.117	34.874	260.2	1.774
850.	4.617	34.549	155.1	4.549	4100.	1.890	34.848	255.9	1.547
900.	4.619	34.572	155.0	4.547	4150.	1.651	34.822	248.5	1.310
950.	4.495	34.588	157.3	4.419	4200.	1.538	34.809	244.7	1.195
1000.	4.447	34.611	160.2	4.368	4250.	1.437	34.796	240.9	1.092
1050.	4.519	34.666	161.8	4.435	4300.	1.245	34.775	237.4	0.900
1100.	4.558	34.716	167.7	4.469	4350.	1.114	34.760	233.2	0.767
1150.	4.604	34.751	171.9	4.510	4400.	1.088	34.757	231.5	0.736
1200.	4.630	34.869	192.6	4.531	4450.	1.035	34.750	230.7	0.679
1250.	4.524	34.900	203.9	4.421	4500.	0.987	34.745	228.5	0.628
1300.	4.485	34.919	211.0	4.378	4550.	0.943	34.740	227.3	0.580
1350.	4.448	34.924	213.3	4.337	4591.	0.910	34.735	225.9	0.543
1400.	4.416	34.933	217.4	4.301					
1450.	4.362	34.960	225.5	4.243					
1500.	4.242	34.968	233.3	4.119					
1550.	4.219	34.974	236.7	4.092					
1600.	4.183	34.975	239.4	4.051					
1650.	4.145	34.984	243.7	4.009					
1700.	4.017	34.984	247.6	3.878					
1750.	3.964	34.983	249.5	3.821					
1800.	3.892	34.982	251.1	3.746					
1850.	3.825	34.980	252.6	3.674					
1900.	3.794	34.983	255.0	3.639					
1950.	3.686	34.979	257.1	3.528					
2000.	3.528	34.972	257.4	3.367					
2050.	3.347	34.968	260.1	3.185					
2100.	3.342	34.968	260.6	3.175					
2150.	3.277	34.964	260.7	3.106					
2200.	3.261	34.963	261.0	3.086					
2250.	3.252	34.963	260.9	3.072					
2300.	3.167	34.956	259.2	2.984					
2350.	3.089	34.947	254.7	2.902					
2400.	3.077	34.949	255.7	2.886					
2450.	3.024	34.946	257.5	2.828					
2500.	2.959	34.941	256.4	2.760					
2550.	2.939	34.939	255.6	2.735					
2600.	2.905	34.937	255.7	2.697					
2650.	2.880	34.936	256.3	2.667					
2700.	2.862	34.936	256.5	2.645					
2750.	2.826	34.934	257.3	2.605					
2800.	2.803	34.932	257.8	2.577					



Station 106

Station : 107 Campagne : CITHER1
 Date : 03-02-93 Navire : L'ATALANTE
 Profondeur: 4566 m Organisme : IFREMER
 Position : N 0 19.99
 W 35 0.01

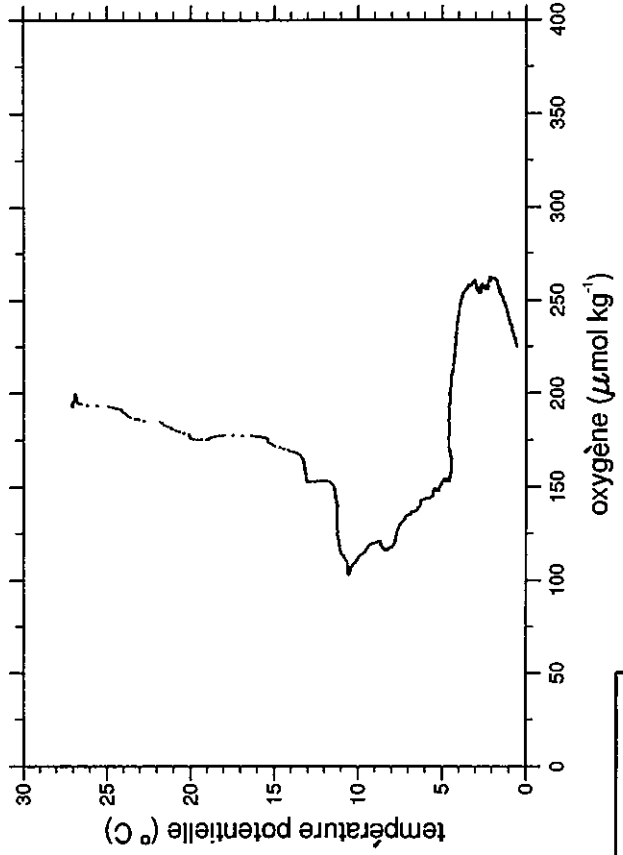
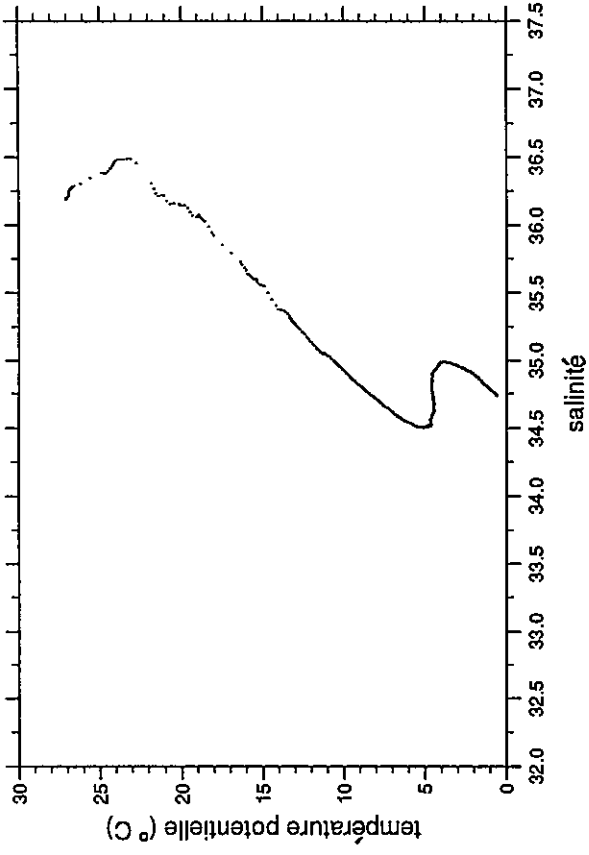
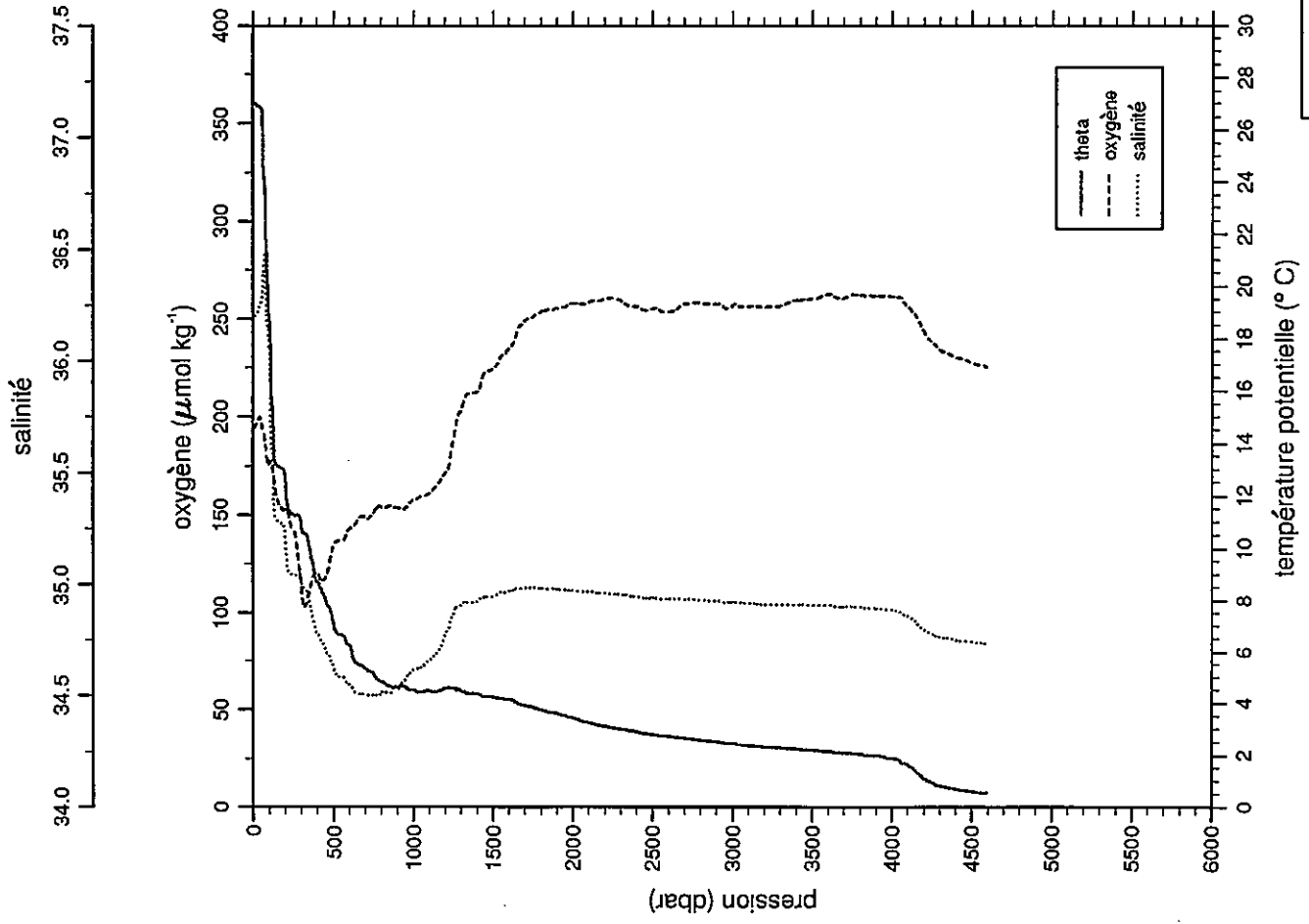
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.947	36.268	197.9	26.947	2850.	2.787	34.933	258.0	2.557
2.	26.947	36.268	196.9	26.947	2900.	2.776	34.931	257.8	2.540
3.	27.067	36.263	196.3	27.066	2950.	2.761	34.930	257.7	2.520
4.	27.031	36.265	196.4	27.030	3000.	2.691	34.923	255.6	2.447
5.	27.008	36.266	197.1	27.007	3050.	2.677	34.922	255.8	2.428
10.	26.897	36.269	198.4	26.895	3100.	2.634	34.920	256.2	2.381
20.	26.864	36.269	199.6	26.860	3150.	2.588	34.917	256.7	2.331
30.	26.849	36.270	200.0	26.842	3200.	2.562	34.914	255.9	2.300
40.	26.835	36.272	199.3	26.826	3250.	2.546	34.913	255.5	2.280
50.	26.811	36.274	199.6	26.800	3300.	2.548	34.913	256.6	2.275
100.	19.631	36.118	187.2	19.613	3350.	2.534	34.912	257.3	2.257
150.	13.473	35.331	160.6	13.452	3400.	2.497	34.912	259.7	2.216
200.	12.856	35.253	154.2	12.829	3450.	2.483	34.912	260.9	2.196
250.	11.429	35.063	140.1	11.397	3500.	2.467	34.912	262.6	2.175
300.	10.379	34.961	110.1	10.343	3550.	2.466	34.912	263.7	2.169
350.	9.535	34.867	106.3	9.495	3600.	2.439	34.908	263.4	2.138
400.	8.585	34.764	115.1	8.543	3650.	2.412	34.904	261.4	2.106
450.	7.670	34.674	122.9	7.625	3700.	2.390	34.904	262.5	2.079
500.	7.172	34.625	136.3	7.124	3750.	2.386	34.905	263.5	2.069
550.	6.706	34.583	137.5	6.655	3800.	2.355	34.901	263.1	2.033
600.	6.208	34.544	143.4	6.154	3850.	2.328	34.897	262.6	2.001
650.	5.618	34.515	144.5	5.563	3900.	2.282	34.893	262.6	1.951
700.	5.422	34.505	145.7	5.363	3950.	2.258	34.891	262.6	1.922
750.	5.131	34.503	151.5	5.070	4000.	2.217	34.887	262.1	1.876
800.	4.876	34.502	153.5	4.811	4050.	1.937	34.855	258.2	1.599
850.	4.680	34.516	154.9	4.612	4100.	1.857	34.845	252.8	1.515
900.	4.640	34.554	154.7	4.569	4150.	1.667	34.823	249.2	1.326
950.	4.574	34.587	156.3	4.498	4200.	1.544	34.810	244.7	1.201
1000.	4.498	34.616	158.8	4.419	4250.	1.362	34.789	240.1	1.019
1050.	4.532	34.662	162.1	4.448	4300.	1.244	34.775	236.4	0.899
1100.	4.538	34.690	166.0	4.449	4350.	1.155	34.765	234.0	0.807
1150.	4.608	34.735	170.6	4.514	4400.	1.081	34.756	231.7	0.730
1200.	4.639	34.887	194.8	4.540	4450.	1.021	34.749	230.4	0.666
1250.	4.543	34.914	205.1	4.440	4500.	0.982	34.744	229.0	0.622
1300.	4.485	34.920	212.0	4.379	4550.	0.943	34.740	228.2	0.580
1350.	4.422	34.937	215.1	4.312	4594.	0.905	34.736	225.8	0.538
1400.	4.387	34.941	221.6	4.272					
1450.	4.321	34.951	226.1	4.202					
1500.	4.288	34.962	230.8	4.164					
1550.	4.228	34.965	234.3	4.101					
1600.	4.206	34.978	239.2	4.074					
1650.	4.116	34.985	246.7	3.980					
1700.	4.034	34.986	249.1	3.894					
1750.	3.966	34.982	250.2	3.823					
1800.	3.900	34.980	251.5	3.754					
1850.	3.804	34.981	254.9	3.654					
1900.	3.749	34.981	256.9	3.595					
1950.	3.633	34.977	257.6	3.476					
2000.	3.531	34.973	258.0	3.370					
2050.	3.384	34.966	258.7	3.220					
2100.	3.306	34.965	259.7	3.139					
2150.	3.276	34.964	260.8	3.105					
2200.	3.268	34.963	260.8	3.093					
2250.	3.233	34.961	260.8	3.054					
2300.	3.190	34.958	260.3	3.006					
2350.	3.122	34.950	257.8	2.935					
2400.	3.064	34.946	254.7	2.873					
2450.	3.041	34.944	254.4	2.845					
2500.	3.058	34.948	255.7	2.857					
2550.	3.014	34.945	257.0	2.809					
2600.	2.945	34.939	254.7	2.737					
2650.	2.899	34.938	255.3	2.686					
2700.	2.884	34.936	256.0	2.666					
2750.	2.853	34.936	257.1	2.631					
2800.	2.818	34.933	257.8	2.591					



Station 107

Station : 108	Campagne : CITHER1
Date : 03-02-93	Navire : L'ATALANTE
Profondeur: 4568 m	Organisme : IFREMER
Position : N 0 38.40	
W 35 0.00	

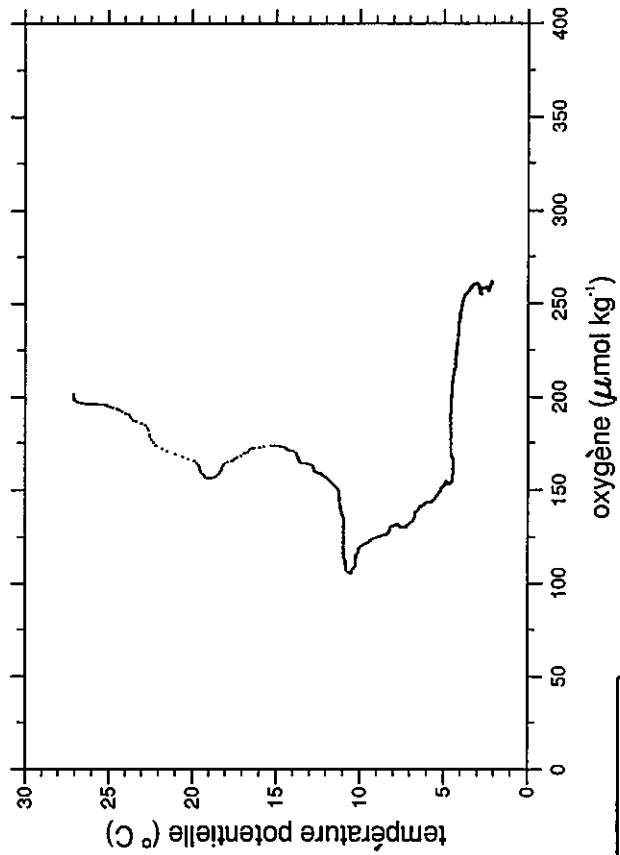
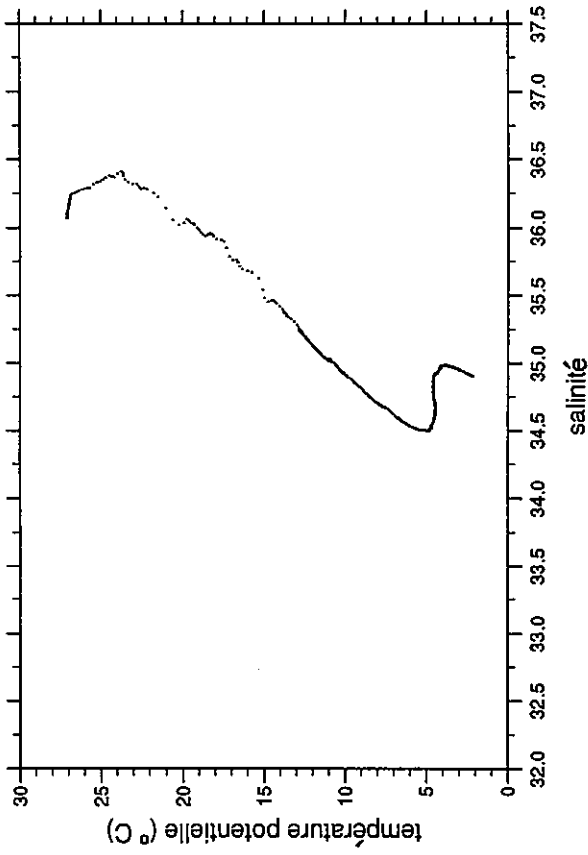
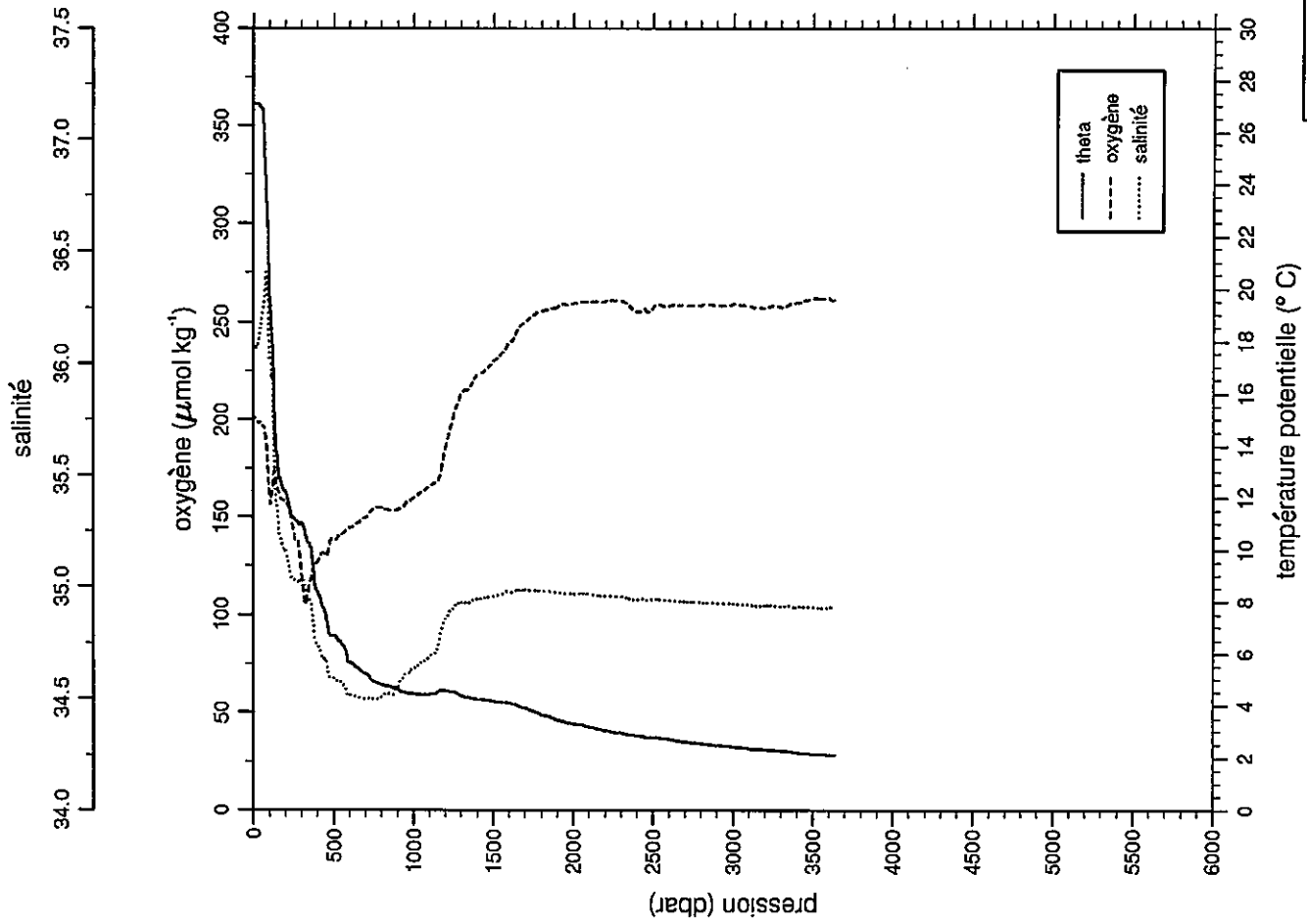
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.040	36.194	193.2	27.040	2850.	2.783	34.932	257.5	2.553
2.	27.040	36.194	194.6	27.040	2900.	2.761	34.930	257.5	2.526
3.	27.044	36.186	195.4	27.043	2950.	2.701	34.924	255.8	2.461
4.	27.049	36.185	195.1	27.048	3000.	2.703	34.926	256.6	2.459
5.	27.053	36.188	194.0	27.052	3050.	2.645	34.921	256.2	2.397
10.	27.032	36.199	194.0	27.030	3100.	2.619	34.919	256.3	2.366
20.	26.981	36.206	195.7	26.976	3150.	2.601	34.918	256.4	2.343
30.	26.913	36.224	198.5	26.907	3200.	2.570	34.915	256.0	2.308
40.	26.904	36.246	199.2	26.894	3250.	2.562	34.914	256.5	2.295
50.	26.851	36.263	198.1	26.840	3300.	2.557	34.914	256.5	2.284
100.	18.900	36.070	175.9	18.883	3350.	2.536	34.915	258.2	2.258
150.	13.175	35.290	158.4	13.154	3400.	2.522	34.913	259.4	2.240
200.	12.760	35.233	152.7	12.733	3450.	2.500	34.912	260.1	2.213
250.	11.310	35.048	142.4	11.278	3500.	2.490	34.911	260.2	2.198
300.	11.053	35.036	115.1	11.016	3550.	2.467	34.910	261.1	2.170
350.	10.130	34.931	110.2	10.089	3600.	2.463	34.911	262.5	2.160
400.	8.730	34.777	120.9	8.687	3650.	2.423	34.905	260.7	2.116
450.	8.127	34.721	117.5	8.080	3700.	2.408	34.904	260.5	2.096
500.	7.195	34.632	134.5	7.147	3750.	2.392	34.904	262.3	2.075
550.	6.689	34.584	137.1	6.638	3800.	2.377	34.902	261.9	2.054
600.	6.289	34.549	142.6	6.235	3850.	2.336	34.897	261.6	2.009
650.	5.591	34.511	146.8	5.536	3900.	2.323	34.896	261.3	1.990
700.	5.391	34.504	149.0	5.332	3950.	2.289	34.893	261.6	1.952
750.	5.209	34.502	150.2	5.147	4000.	2.225	34.887	261.2	1.884
800.	4.897	34.517	153.9	4.832	4050.	2.154	34.879	260.9	1.810
850.	4.726	34.511	154.3	4.657	4100.	1.974	34.859	256.4	1.630
900.	4.693	34.532	153.6	4.620	4150.	1.726	34.831	251.6	1.383
950.	4.696	34.571	152.9	4.620	4200.	1.436	34.799	243.5	1.096
1000.	4.584	34.614	157.4	4.504	4250.	1.288	34.780	238.0	0.947
1050.	4.493	34.626	159.4	4.409	4300.	1.156	34.766	234.0	0.814
1100.	4.559	34.660	160.9	4.470	4350.	1.102	34.759	232.3	0.755
1150.	4.540	34.690	164.9	4.447	4400.	1.045	34.752	230.5	0.695
1200.	4.666	34.769	170.9	4.566	4450.	0.999	34.747	229.2	0.644
1250.	4.666	34.864	187.3	4.562	4500.	0.969	34.742	227.2	0.610
1300.	4.584	34.909	203.2	4.476	4550.	0.922	34.737	226.2	0.559
1350.	4.469	34.921	211.5	4.358	4595.	0.923	34.737	225.0	0.554
1400.	4.456	34.924	212.4	4.340					
1450.	4.363	34.945	222.1	4.243					
1500.	4.343	34.950	224.1	4.219					
1550.	4.302	34.967	230.9	4.173					
1600.	4.252	34.972	234.7	4.120					
1650.	4.123	34.987	243.3	3.987					
1700.	4.038	34.988	248.8	3.899					
1750.	3.986	34.988	251.1	3.843					
1800.	3.888	34.985	253.4	3.741					
1850.	3.802	34.981	254.6	3.652					
1900.	3.762	34.981	255.5	3.608					
1950.	3.676	34.978	256.1	3.518					
2000.	3.591	34.978	258.0	3.430					
2050.	3.479	34.971	257.7	3.315					
2100.	3.413	34.969	258.4	3.244					
2150.	3.330	34.966	259.5	3.159					
2200.	3.289	34.965	260.3	3.113					
2250.	3.225	34.961	260.3	3.045					
2300.	3.178	34.956	259.4	2.994					
2350.	3.149	34.953	256.8	2.961					
2400.	3.105	34.951	256.4	2.913					
2450.	3.028	34.944	254.5	2.832					
2500.	3.004	34.943	255.3	2.804					
2550.	2.955	34.939	254.0	2.751					
2600.	2.942	34.938	253.8	2.733					
2650.	2.915	34.938	255.0	2.701					
2700.	2.875	34.938	257.7	2.657					
2750.	2.842	34.937	258.2	2.620					
2800.	2.807	34.934	257.9	2.581					



Station 108

Station	: 109	Campagne	: CITHER1
Date	: 04-02-93	Navire	: L'ATALANTE
Profondeur:	3590 m	Organisme	: IFRIMER
Position	: N 0 59.96		
	W 35 0.06		

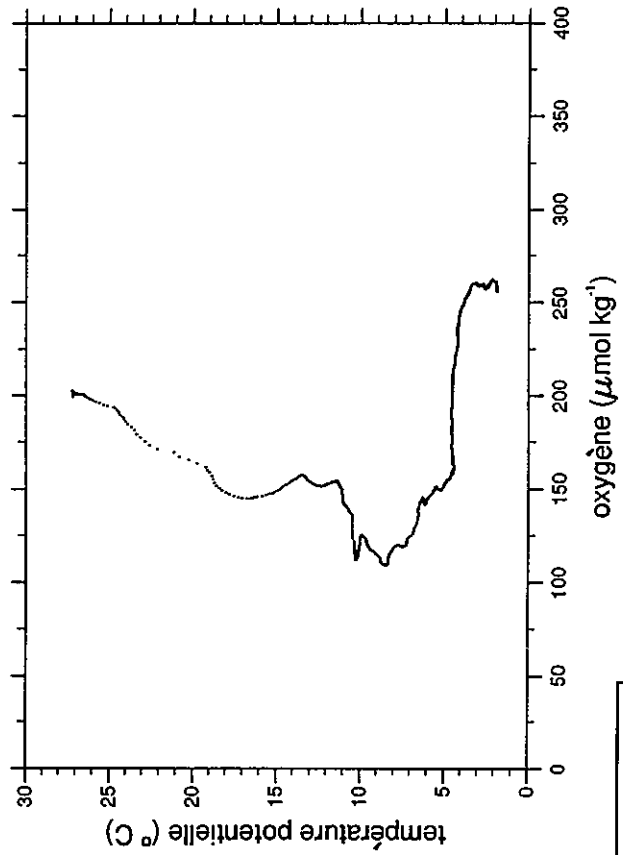
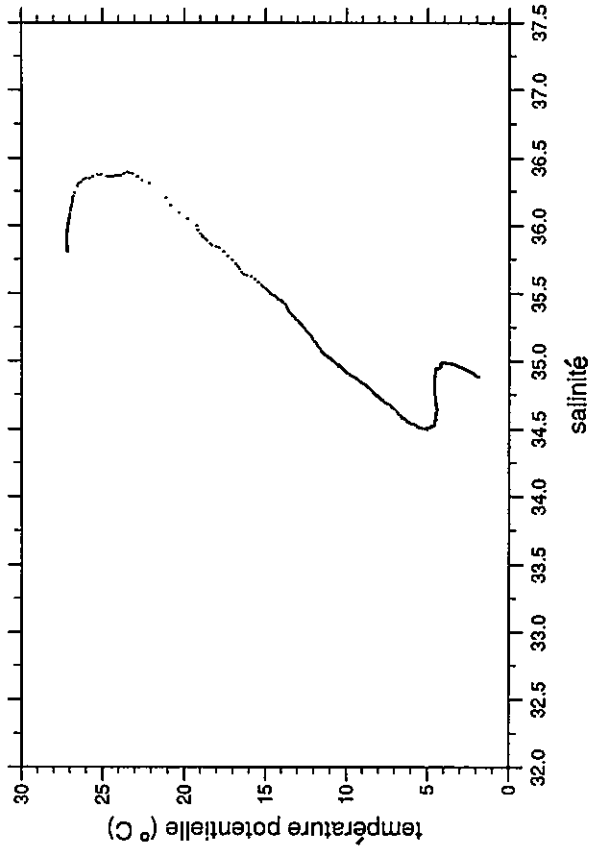
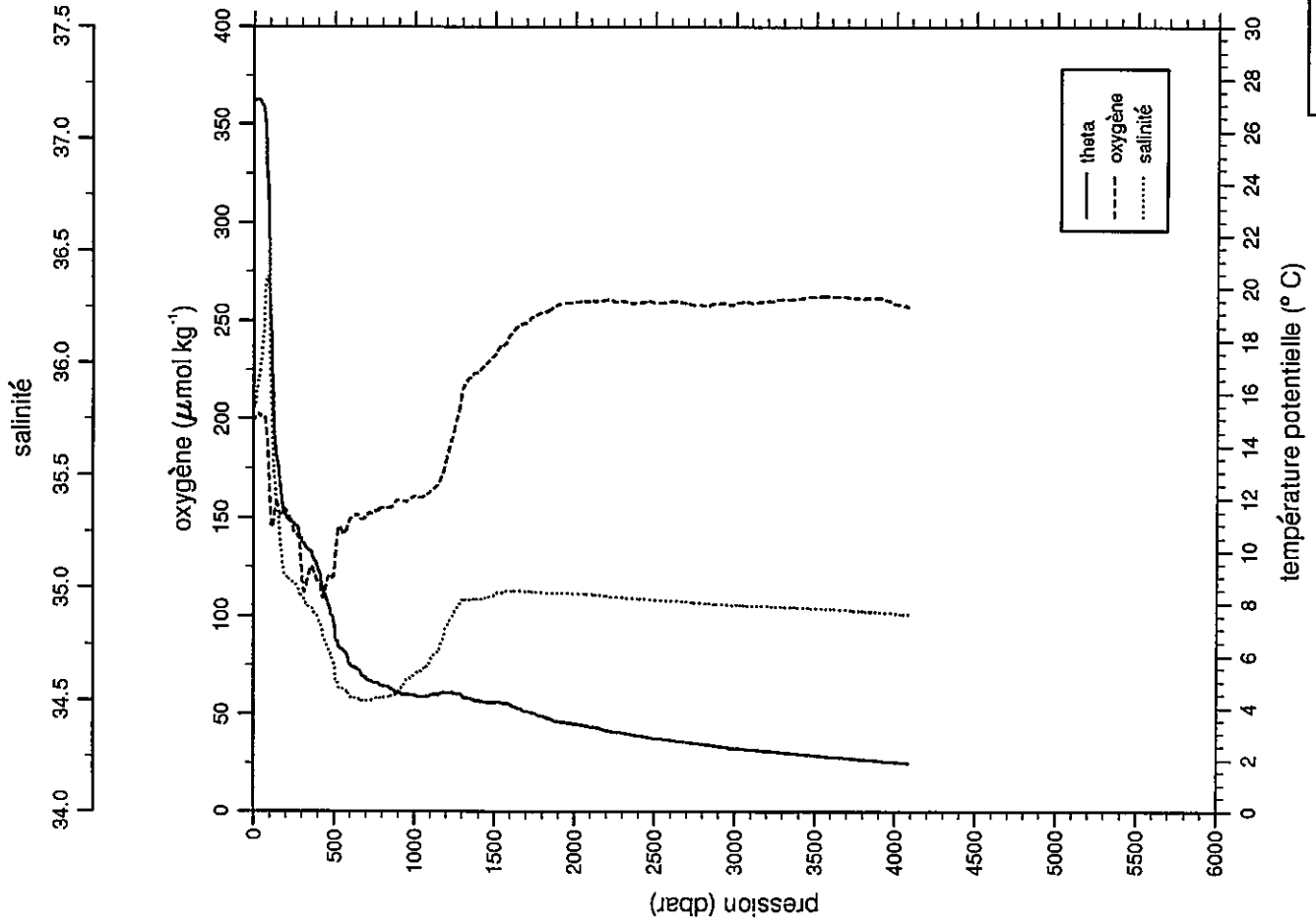
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.097	36.070	201.0	27.096	2850.	2.753	34.928	258.6	2.523
2.	27.097	36.072	201.7	27.096	2900.	2.722	34.926	258.1	2.488
3.	27.099	36.072	201.3	27.099	2950.	2.707	34.924	258.1	2.468
4.	27.098	36.071	201.0	27.097	3000.	2.687	34.924	258.7	2.443
5.	27.095	36.070	201.0	27.094	3050.	2.666	34.922	258.4	2.418
10.	27.096	36.070	200.8	27.094	3100.	2.631	34.918	257.6	2.378
20.	27.109	36.079	199.9	27.104	3150.	2.614	34.915	256.9	2.357
30.	27.093	36.102	198.7	27.086	3200.	2.602	34.915	256.7	2.340
40.	27.017	36.151	198.7	27.008	3250.	2.594	34.915	257.9	2.326
50.	26.938	36.202	197.2	26.926	3300.	2.561	34.912	257.2	2.289
100.	19.654	36.058	163.0	19.635	3350.	2.555	34.913	258.6	2.278
150.	13.624	35.358	165.6	13.603	3400.	2.503	34.909	259.3	2.221
200.	12.259	35.165	158.0	12.233	3450.	2.488	34.909	260.6	2.201
250.	11.226	35.034	143.3	11.194	3500.	2.461	34.908	261.5	2.169
300.	11.009	35.023	120.9	10.972	3550.	2.449	34.906	261.5	2.152
350.	10.246	34.940	115.2	10.204	3600.	2.446	34.906	261.8	2.144
400.	8.396	34.738	126.9	8.354	3634.	2.446	34.906	261.3	2.140
450.	7.598	34.669	130.3	7.553					
500.	6.741	34.589	138.5	6.694					
550.	6.448	34.562	141.4	6.398					
600.	5.736	34.516	144.3	5.684					
650.	5.525	34.507	146.6	5.470					
700.	5.284	34.499	149.1	5.226					
750.	4.978	34.497	153.8	4.917					
800.	4.849	34.506	154.4	4.785					
850.	4.796	34.522	153.3	4.728					
900.	4.715	34.546	153.5	4.643					
950.	4.584	34.608	156.6	4.508					
1000.	4.546	34.636	159.5	4.466					
1050.	4.518	34.660	162.5	4.433					
1100.	4.531	34.683	165.3	4.442					
1150.	4.609	34.726	168.1	4.515					
1200.	4.680	34.858	185.1	4.581					
1250.	4.624	34.911	201.2	4.521					
1300.	4.487	34.930	213.6	4.380					
1350.	4.432	34.928	215.8	4.321					
1400.	4.374	34.945	223.0	4.259					
1450.	4.341	34.951	225.7	4.222					
1500.	4.295	34.957	229.6	4.172					
1550.	4.266	34.968	233.8	4.138					
1600.	4.238	34.977	239.6	4.105					
1650.	4.142	34.987	245.6	4.007					
1700.	4.041	34.985	250.0	3.902					
1750.	3.930	34.984	253.4	3.787					
1800.	3.791	34.980	255.3	3.646					
1850.	3.741	34.978	256.1	3.591					
1900.	3.615	34.974	257.4	3.462					
1950.	3.533	34.969	258.6	3.377					
2000.	3.482	34.969	259.1	3.322					
2050.	3.453	34.969	259.8	3.289					
2100.	3.376	34.966	260.4	3.209					
2150.	3.294	34.961	260.2	3.123					
2200.	3.225	34.959	260.2	3.051					
2250.	3.175	34.957	260.8	2.996					
2300.	3.159	34.956	260.6	2.976					
2350.	3.084	34.947	257.8	2.897					
2400.	3.036	34.942	255.2	2.845					
2450.	2.994	34.938	256.1	2.800					
2500.	2.994	34.943	257.0	2.794					
2550.	2.948	34.940	258.4	2.744					
2600.	2.937	34.941	257.7	2.728					
2650.	2.868	34.935	258.2	2.656					
2700.	2.839	34.934	258.2	2.622					
2750.	2.821	34.933	257.8	2.599					
2800.	2.785	34.930	258.1	2.559					



Station 109

Station : 110 Campagne : CITHER1
 Date : 04-02-93 Navire : L'ATALANTE
 Profondeur: 4054 m Organisme : IFREMER
 Position : N 1 29.93
 W 35 0.04

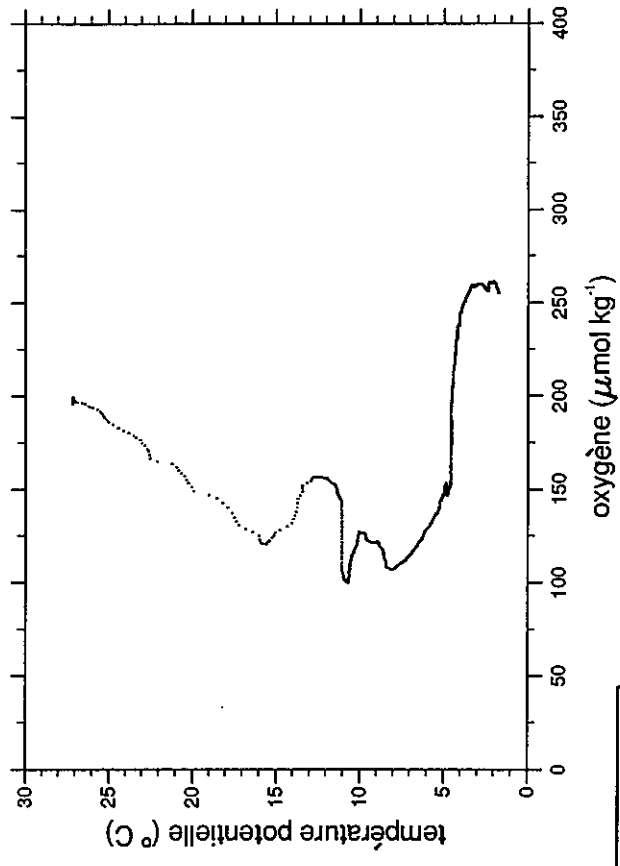
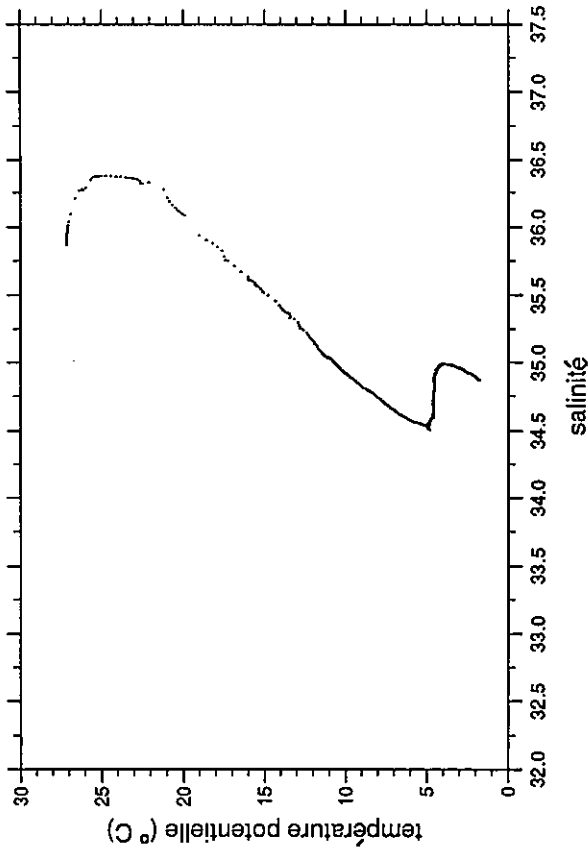
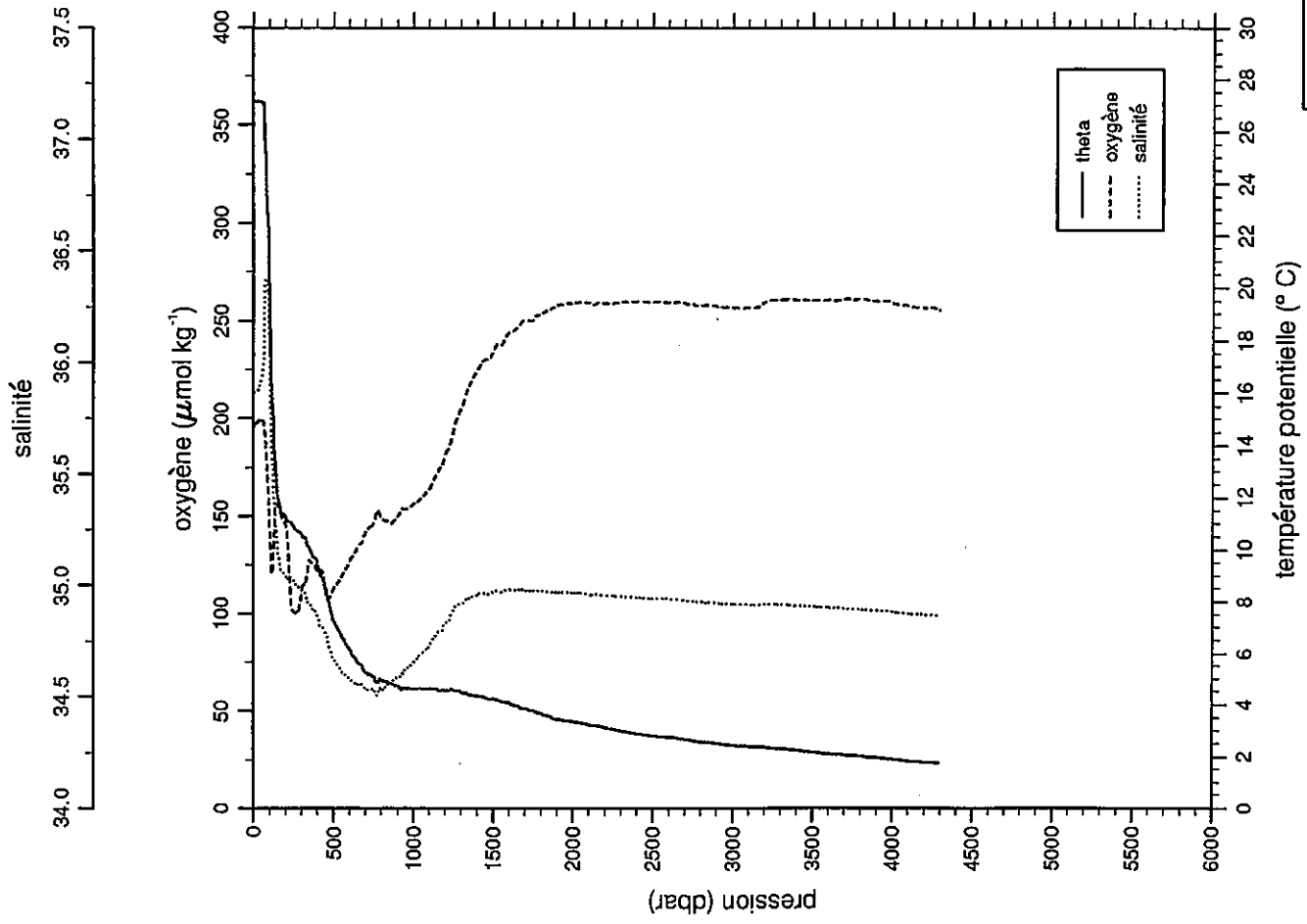
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.174	35.824	200.6	27.174	2850.	2.783	34.931	258.5	2.553
2.	27.174	35.824	199.8	27.174	2900.	2.741	34.928	258.8	2.506
3.	27.162	35.806	199.3	27.162	2950.	2.706	34.925	258.4	2.466
4.	27.167	35.813	199.6	27.166	3000.	2.666	34.924	258.8	2.422
5.	27.172	35.822	200.0	27.171	3050.	2.655	34.924	259.7	2.406
10.	27.179	35.831	201.4	27.177	3100.	2.620	34.919	259.0	2.367
20.	27.205	35.883	202.6	27.201	3150.	2.613	34.920	259.4	2.355
30.	27.212	35.929	202.6	27.205	3200.	2.596	34.918	259.9	2.333
40.	27.177	35.972	201.7	27.168	3250.	2.580	34.917	260.2	2.312
50.	27.073	36.048	200.8	27.061	3300.	2.553	34.917	260.9	2.281
100.	19.259	35.996	161.8	19.241	3350.	2.526	34.914	260.8	2.249
150.	13.317	35.334	156.3	13.296	3400.	2.501	34.911	261.2	2.219
200.	11.367	35.050	153.6	11.342	3450.	2.469	34.910	261.9	2.183
250.	11.065	35.021	143.1	11.034	3500.	2.457	34.908	261.9	2.166
300.	10.401	34.963	122.2	10.365	3550.	2.434	34.906	262.5	2.138
350.	10.026	34.915	123.7	9.985	3600.	2.411	34.904	262.4	2.110
400.	9.391	34.865	117.3	9.346	3650.	2.391	34.902	262.1	2.085
450.	8.276	34.754	115.2	8.229	3700.	2.375	34.899	261.8	2.064
500.	7.257	34.658	122.1	7.208	3750.	2.359	34.898	261.4	2.043
550.	6.264	34.551	143.4	6.214	3800.	2.331	34.895	261.3	2.010
600.	5.696	34.517	149.1	5.644	3850.	2.307	34.894	261.5	1.981
650.	5.493	34.502	151.4	5.438	3900.	2.285	34.892	261.4	1.954
700.	5.176	34.499	150.7	5.118	3950.	2.257	34.888	260.3	1.921
750.	5.015	34.510	153.3	4.953	4000.	2.245	34.885	258.7	1.904
800.	4.902	34.510	154.9	4.837	4050.	2.232	34.883	257.4	1.885
850.	4.813	34.518	155.0	4.744	4083.	2.208	34.881	256.3	1.859
900.	4.645	34.532	158.5	4.573					
950.	4.582	34.588	157.9	4.506					
1000.	4.560	34.621	160.5	4.480					
1050.	4.500	34.636	160.2	4.416					
1100.	4.564	34.679	163.0	4.475					
1150.	4.589	34.716	166.6	4.495					
1200.	4.660	34.832	179.2	4.561					
1250.	4.648	34.895	194.8	4.544					
1300.	4.570	34.947	214.3	4.462					
1350.	4.445	34.947	221.5	4.334					
1400.	4.393	34.950	224.1	4.277					
1450.	4.320	34.955	228.3	4.201					
1500.	4.338	34.970	232.7	4.213					
1550.	4.305	34.975	237.8	4.177					
1600.	4.249	34.985	243.0	4.116					
1650.	4.103	34.985	247.6	3.967					
1700.	3.989	34.981	249.2	3.851					
1750.	3.906	34.980	252.2	3.763					
1800.	3.806	34.979	254.0	3.660					
1850.	3.688	34.977	255.8	3.539					
1900.	3.598	34.975	258.2	3.446					
1950.	3.578	34.975	259.0	3.421					
2000.	3.536	34.974	259.4	3.375					
2050.	3.494	34.972	260.0	3.329					
2100.	3.446	34.969	260.0	3.277					
2150.	3.394	34.965	259.8	3.221					
2200.	3.317	34.964	260.7	3.140					
2250.	3.254	34.959	259.6	3.074					
2300.	3.220	34.957	259.9	3.036					
2350.	3.163	34.952	258.9	2.975					
2400.	3.113	34.951	259.3	2.921					
2450.	3.063	34.949	259.7	2.867					
2500.	3.003	34.945	259.2	2.803					
2550.	2.982	34.944	259.3	2.777					
2600.	2.950	34.943	259.9	2.741					
2650.	2.905	34.939	259.7	2.692					
2700.	2.876	34.937	259.0	2.658					
2750.	2.840	34.934	257.8	2.619					
2800.	2.808	34.930	257.6	2.581					



Station 110

Station : 111 Campagne : CITHER1
 Date : 04-02-93 Navire : L'ATALANTE
 Profondeur: 4267 m Organisme : IFREMER
 Position : N 2 5.01
 W 35 0.02

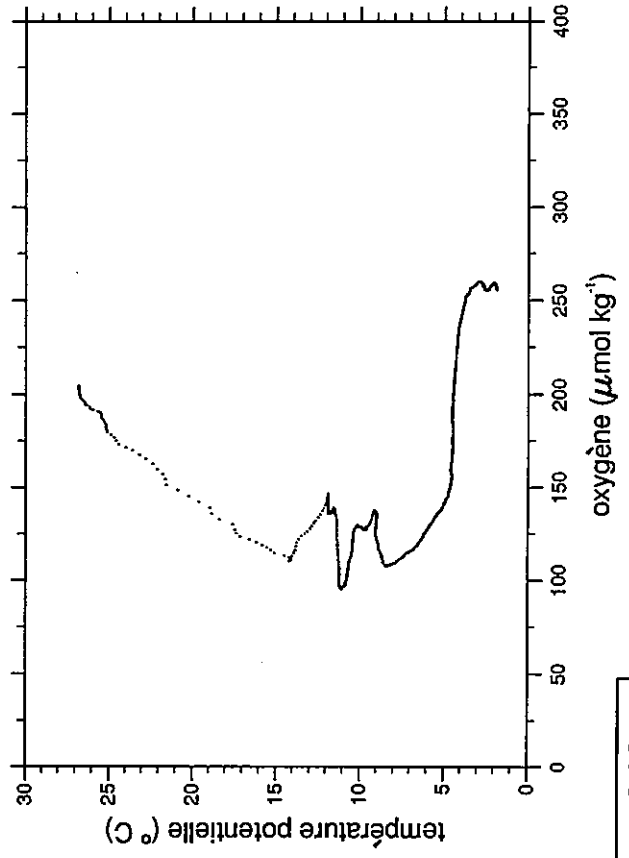
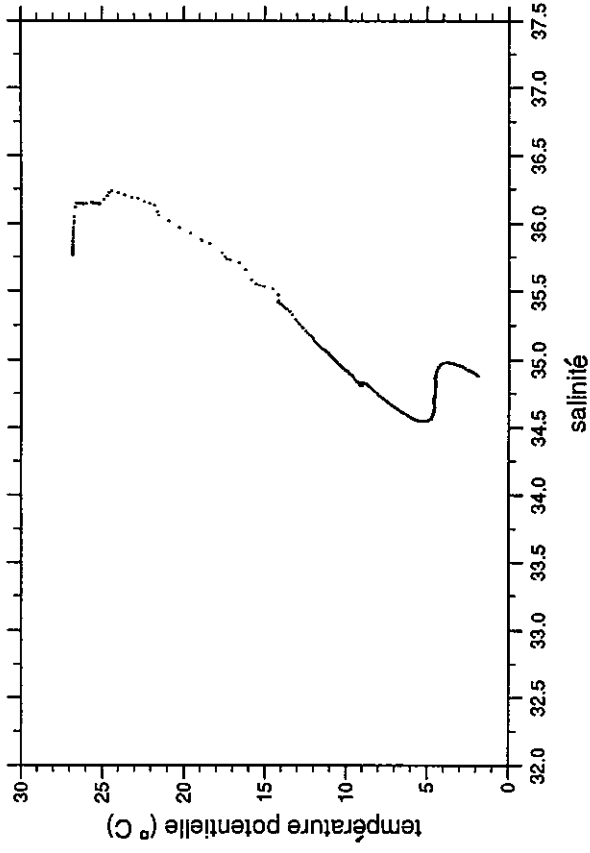
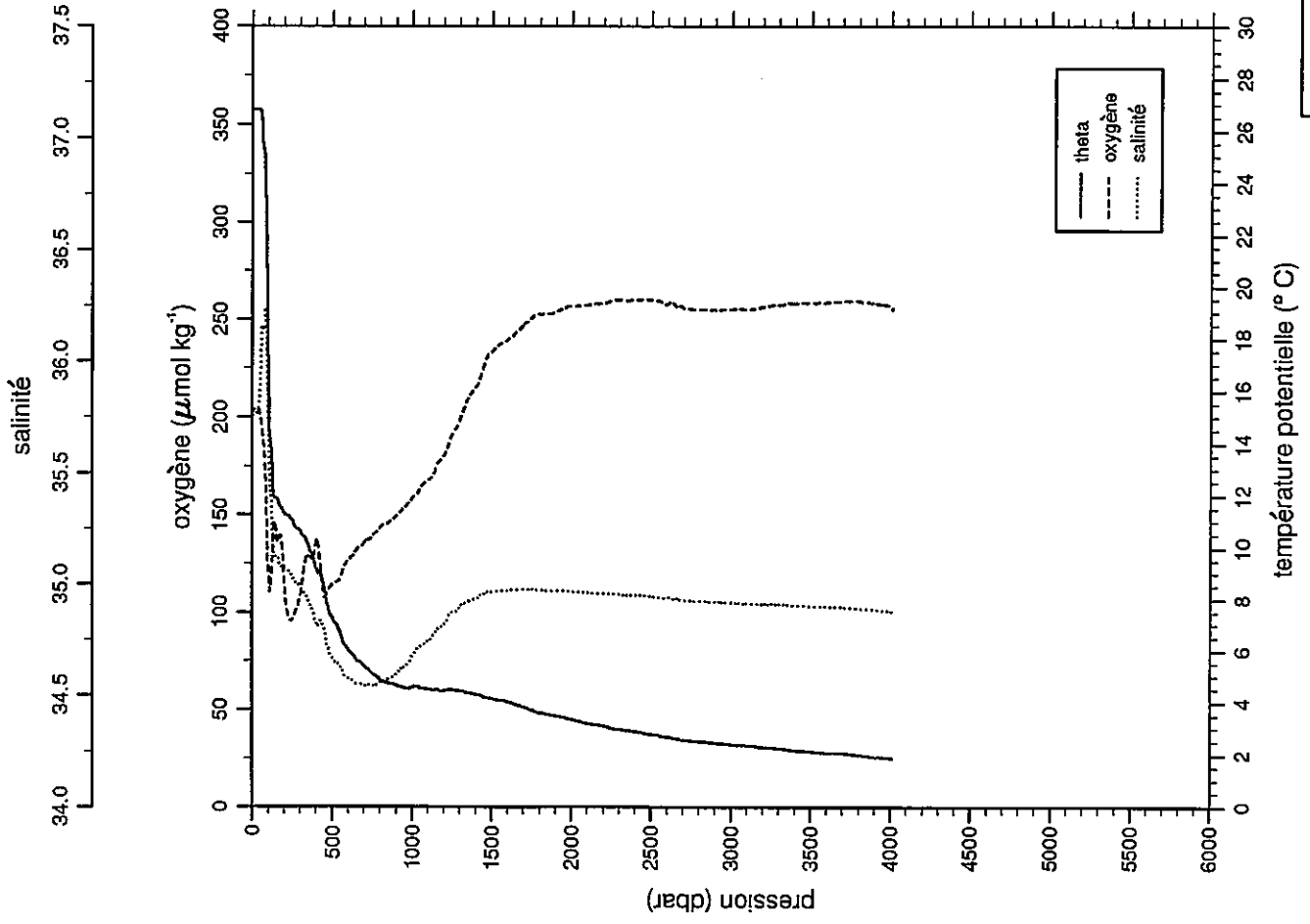
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.149	35.867	197.3	27.148	2850.	2.768	34.930	258.3	2.538
2.	27.146	35.866	195.7	27.146	2900.	2.729	34.925	257.4	2.495
3.	27.147	35.866	196.4	27.146	2950.	2.693	34.923	256.9	2.454
4.	27.147	35.866	196.6	27.146	3000.	2.673	34.920	256.7	2.430
5.	27.148	35.867	196.6	27.147	3050.	2.654	34.919	256.4	2.406
10.	27.150	35.867	197.6	27.147	3100.	2.625	34.917	256.6	2.372
20.	27.152	35.867	197.8	27.147	3150.	2.600	34.916	256.9	2.343
30.	27.154	35.875	198.2	27.147	3200.	2.604	34.919	259.6	2.342
40.	27.153	35.897	199.6	27.143	3250.	2.581	34.918	260.5	2.314
50.	27.141	35.929	198.4	27.129	3300.	2.561	34.917	260.9	2.289
100.	20.071	36.100	151.3	20.052	3350.	2.546	34.916	261.2	2.269
150.	12.219	35.184	156.1	12.200	3400.	2.513	34.912	260.4	2.231
200.	11.270	35.047	146.6	11.245	3450.	2.481	34.909	260.8	2.194
250.	10.932	35.023	101.0	10.901	3500.	2.449	34.907	260.4	2.158
300.	10.607	34.981	110.4	10.571	3550.	2.440	34.905	260.6	2.144
350.	10.052	34.919	127.2	10.011	3600.	2.412	34.904	260.7	2.111
400.	9.414	34.862	122.0	9.369	3650.	2.391	34.901	260.4	2.085
450.	8.584	34.790	113.4	8.536	3700.	2.366	34.900	261.3	2.055
500.	7.288	34.669	112.4	7.240	3750.	2.346	34.897	260.6	2.030
550.	6.712	34.620	118.7	6.661	3800.	2.344	34.897	261.2	2.022
600.	6.194	34.581	126.5	6.140	3850.	2.297	34.892	260.5	1.971
650.	5.693	34.552	133.9	5.637	3900.	2.291	34.891	260.1	1.960
700.	5.301	34.537	141.6	5.242	3950.	2.275	34.890	260.1	1.938
750.	5.135	34.534	146.1	5.073	4000.	2.234	34.884	259.0	1.893
800.	4.992	34.534	149.2	4.926	4050.	2.207	34.880	258.2	1.861
850.	4.898	34.558	147.1	4.828	4100.	2.174	34.877	257.5	1.824
900.	4.776	34.588	149.7	4.703	4150.	2.147	34.874	256.8	1.792
950.	4.698	34.622	153.6	4.622	4200.	2.130	34.871	256.5	1.769
1000.	4.669	34.655	156.1	4.588	4250.	2.125	34.871	256.7	1.758
1050.	4.689	34.697	159.3	4.603	4291.	2.117	34.869	255.3	1.746
1100.	4.681	34.732	164.0	4.591					
1150.	4.675	34.786	172.0	4.580					
1200.	4.645	34.834	181.4	4.546					
1250.	4.664	34.889	193.4	4.560					
1300.	4.589	34.919	205.4	4.481					
1350.	4.474	34.947	217.1	4.362					
1400.	4.431	34.961	224.5	4.315					
1450.	4.370	34.966	230.2	4.250					
1500.	4.338	34.979	234.4	4.214					
1550.	4.234	34.973	237.7	4.106					
1600.	4.190	34.984	243.9	4.059					
1650.	4.084	34.982	246.6	3.949					
1700.	3.994	34.982	249.8	3.855					
1750.	3.896	34.981	250.5	3.754					
1800.	3.796	34.978	253.4	3.651					
1850.	3.691	34.976	255.8	3.542					
1900.	3.579	34.975	257.9	3.428					
1950.	3.538	34.974	258.8	3.382					
2000.	3.500	34.972	259.1	3.340					
2050.	3.465	34.970	259.7	3.301					
2100.	3.392	34.965	259.1	3.224					
2150.	3.374	34.965	259.2	3.201					
2200.	3.300	34.960	259.0	3.123					
2250.	3.242	34.957	259.0	3.062					
2300.	3.185	34.956	259.7	3.001					
2350.	3.137	34.954	259.8	2.949					
2400.	3.087	34.951	259.8	2.895					
2450.	3.034	34.948	259.9	2.838					
2500.	3.001	34.946	259.6	2.801					
2550.	2.970	34.944	259.9	2.765					
2600.	2.947	34.943	259.5	2.739					
2650.	2.930	34.941	259.7	2.716					
2700.	2.867	34.937	259.0	2.650					
2750.	2.824	34.933	258.6	2.603					
2800.	2.778	34.930	258.0	2.552					



Station III

Station	: 112	Campagne	: CITHER1
Date	: 05-02-93	Navire	: L'ATALANTE
Profondeur:	3990 m	Organisme	: IFREMER
Position	: N 2 45.00		
	W 35 0.18		

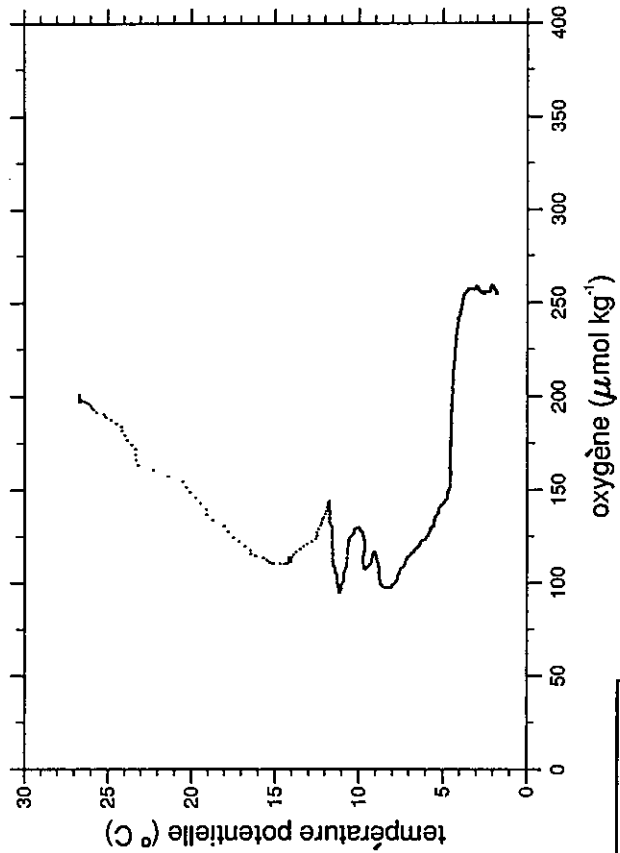
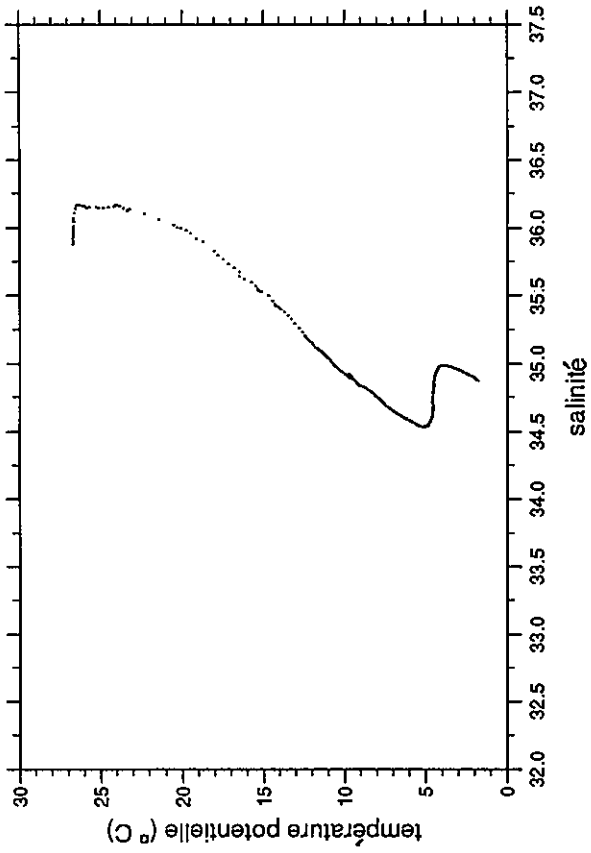
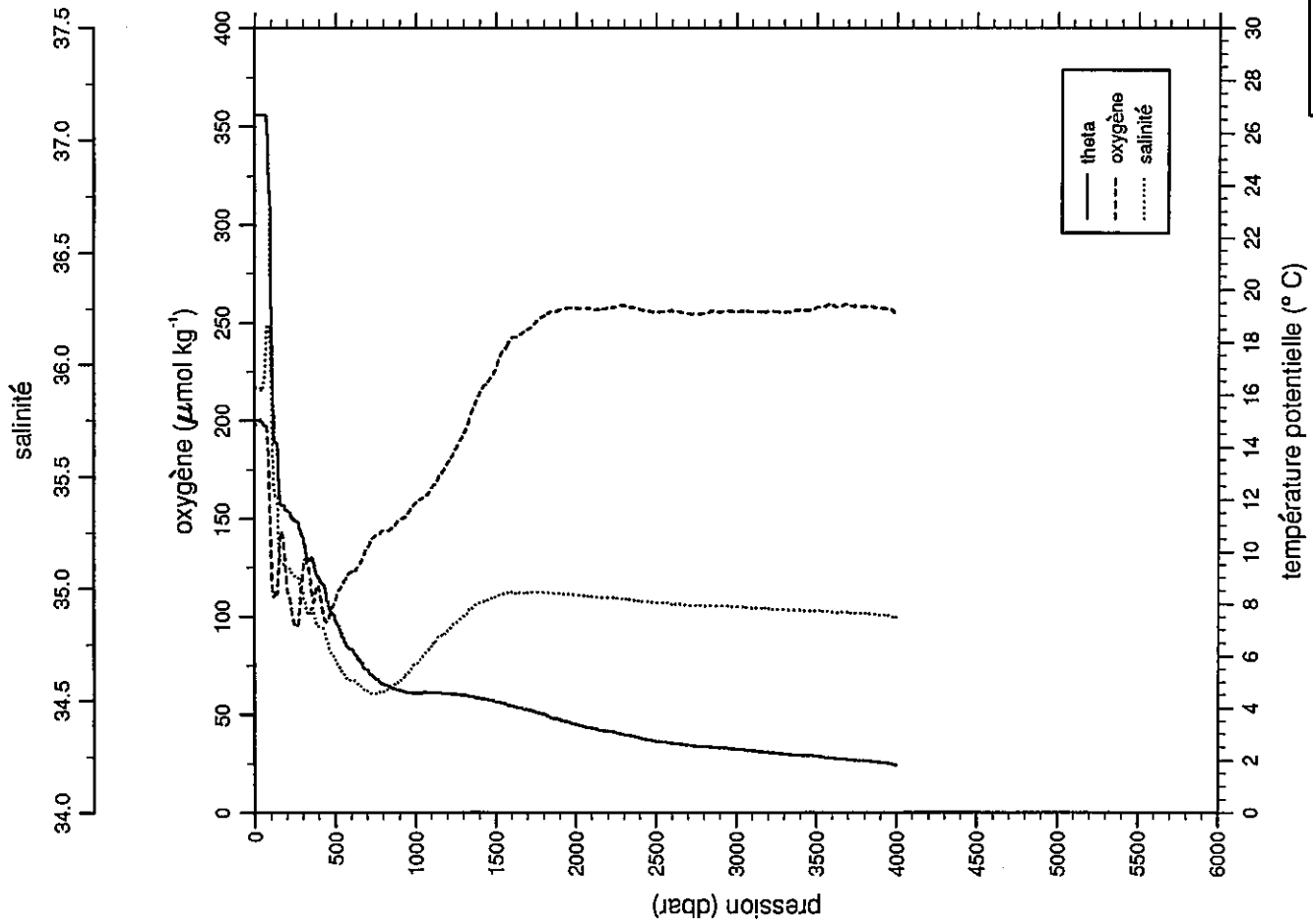
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.820	35.760	203.6	26.820	2850.	2.733	34.924	255.0	2.503
2.	26.820	35.760	203.6	26.819	2900.	2.700	34.921	254.9	2.466
3.	26.820	35.760	202.8	26.819	2950.	2.682	34.921	255.1	2.443
4.	26.817	35.760	202.9	26.816	3000.	2.655	34.919	255.1	2.412
5.	26.817	35.760	203.0	26.816	3050.	2.629	34.917	255.3	2.381
10.	26.820	35.760	203.9	26.818	3100.	2.616	34.915	255.1	2.364
20.	26.822	35.761	204.8	26.818	3150.	2.600	34.914	255.3	2.343
30.	26.824	35.768	204.9	26.817	3200.	2.563	34.913	256.4	2.301
40.	26.823	35.802	203.9	26.814	3250.	2.550	34.912	257.1	2.283
50.	26.792	35.908	200.8	26.780	3300.	2.523	34.911	257.2	2.251
100.	17.170	35.727	123.4	17.154	3350.	2.497	34.909	258.2	2.221
150.	11.913	35.128	141.1	11.894	3400.	2.452	34.905	257.9	2.171
200.	11.332	35.070	117.0	11.307	3450.	2.443	34.905	258.2	2.157
250.	11.090	35.041	95.6	11.059	3500.	2.429	34.903	258.3	2.139
300.	10.692	34.992	108.5	10.655	3550.	2.405	34.902	258.6	2.109
350.	10.148	34.930	129.5	10.106	3600.	2.392	34.900	258.5	2.091
400.	9.255	34.826	136.5	9.211	3650.	2.396	34.900	258.8	2.089
450.	8.546	34.795	108.4	8.498	3700.	2.378	34.898	259.1	2.067
500.	7.323	34.669	114.3	7.274	3750.	2.361	34.897	259.2	2.045
550.	6.781	34.626	117.6	6.729	3800.	2.315	34.892	259.2	1.994
600.	6.080	34.573	126.6	6.027	3850.	2.291	34.890	258.7	1.965
650.	5.702	34.551	131.7	5.646	3900.	2.253	34.886	257.8	1.923
700.	5.497	34.544	135.6	5.437	3950.	2.242	34.883	257.5	1.907
750.	5.195	34.546	138.7	5.133	4000.	2.214	34.881	255.9	1.874
800.	4.949	34.556	143.5	4.884	4011.	2.206	34.880	255.1	1.865
850.	4.814	34.573	145.8	4.745					
900.	4.739	34.594	149.0	4.667					
950.	4.652	34.628	153.4	4.575					
1000.	4.667	34.675	158.4	4.586					
1050.	4.656	34.715	163.3	4.571					
1100.	4.600	34.742	168.0	4.511					
1150.	4.608	34.797	174.1	4.513					
1200.	4.569	34.818	180.3	4.470					
1250.	4.602	34.876	191.0	4.498					
1300.	4.567	34.902	198.8	4.459					
1350.	4.488	34.924	209.4	4.377					
1400.	4.427	34.939	215.5	4.311					
1450.	4.322	34.960	226.3	4.203					
1500.	4.248	34.967	233.3	4.125					
1550.	4.207	34.972	237.1	4.080					
1600.	4.152	34.975	239.6	4.020					
1650.	4.061	34.977	243.5	3.926					
1700.	3.970	34.979	247.2	3.831					
1750.	3.861	34.978	250.6	3.720					
1800.	3.770	34.975	252.7	3.625					
1850.	3.710	34.973	253.2	3.561					
1900.	3.663	34.973	253.7	3.510					
1950.	3.607	34.973	255.7	3.450					
2000.	3.521	34.969	256.7	3.361					
2050.	3.455	34.967	257.0	3.291					
2100.	3.391	34.964	257.4	3.223					
2150.	3.345	34.962	257.9	3.173					
2200.	3.315	34.961	258.3	3.138					
2250.	3.215	34.958	259.3	3.035					
2300.	3.184	34.956	259.8	3.000					
2350.	3.142	34.955	259.5	2.954					
2400.	3.114	34.953	260.0	2.922					
2450.	3.059	34.950	260.1	2.863					
2500.	3.003	34.947	259.9	2.803					
2550.	2.967	34.943	259.3	2.762					
2600.	2.936	34.941	257.8	2.727					
2650.	2.866	34.933	256.9	2.654					
2700.	2.805	34.929	255.9	2.589					
2750.	2.776	34.927	255.3	2.555					
2800.	2.756	34.925	255.0	2.531					



Station 112

Station : 113 Campagne : CITHER1
 Date : 05-02-93 Navire : L'ATALANTE
 Profondeur: 3980 m Organisme : IFREMER
 Position : N 3 30.03
 W 35 0.05

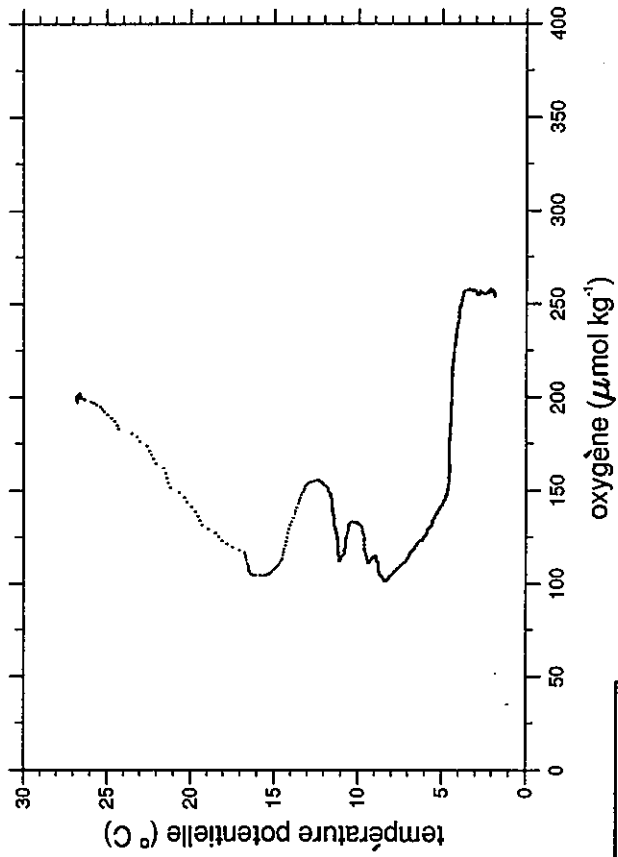
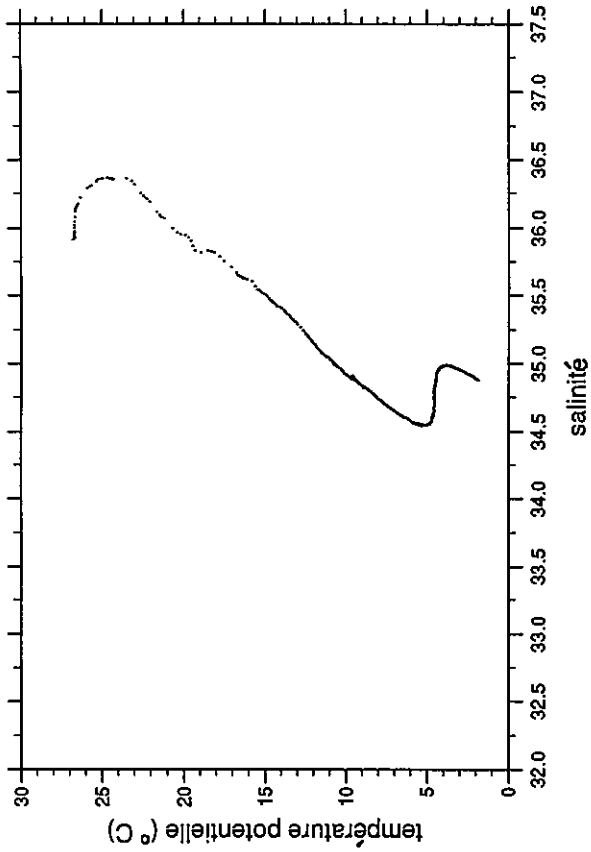
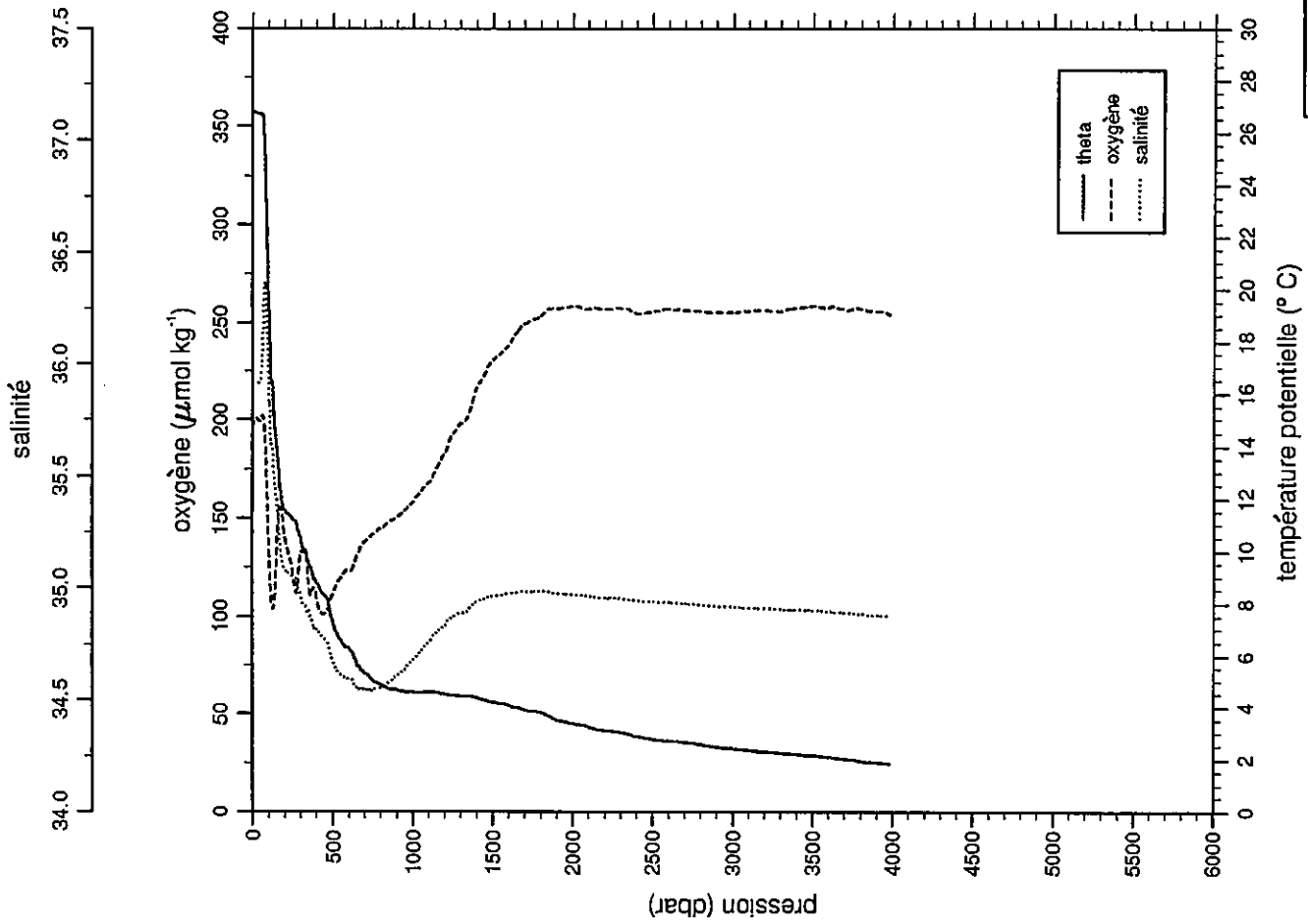
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.697	35.894	198.7	26.697	2850.	2.740	34.925	256.0	2.510
2.	26.697	35.894	198.1	26.697	2900.	2.715	34.923	255.5	2.481
3.	26.691	35.895	197.1	26.690	2950.	2.701	34.922	256.0	2.462
4.	26.692	35.894	197.5	26.691	3000.	2.670	34.919	255.5	2.426
5.	26.695	35.894	197.8	26.694	3050.	2.662	34.918	255.8	2.414
10.	26.699	35.894	199.5	26.697	3100.	2.623	34.915	255.8	2.371
20.	26.702	35.895	200.0	26.697	3150.	2.603	34.913	255.6	2.345
30.	26.704	35.895	199.9	26.697	3200.	2.579	34.911	255.8	2.317
40.	26.708	35.895	200.8	26.699	3250.	2.551	34.908	255.6	2.284
50.	26.710	35.897	198.9	26.698	3300.	2.525	34.907	255.4	2.253
100.	19.134	35.917	139.7	19.116	3350.	2.496	34.905	255.8	2.219
150.	12.488	35.200	127.3	12.468	3400.	2.478	34.904	256.4	2.197
200.	11.598	35.097	114.3	11.573	3450.	2.471	34.903	256.4	2.185
250.	11.199	35.055	95.8	11.168	3500.	2.465	34.904	257.7	2.174
300.	10.592	34.977	124.4	10.556	3550.	2.414	34.901	258.2	2.118
350.	9.720	34.895	115.9	9.680	3600.	2.380	34.898	258.8	2.080
400.	9.009	34.833	114.3	8.965	3650.	2.368	34.898	258.2	2.063
450.	8.160	34.763	97.5	8.114	3700.	2.337	34.894	259.3	2.027
500.	7.403	34.681	108.5	7.354	3750.	2.312	34.891	258.4	1.997
550.	6.750	34.623	117.3	6.699	3800.	2.301	34.889	258.2	1.981
600.	6.300	34.591	122.8	6.245	3850.	2.272	34.886	258.1	1.947
650.	5.892	34.568	126.7	5.835	3900.	2.245	34.883	257.4	1.915
700.	5.538	34.544	134.9	5.478	3950.	2.219	34.880	256.9	1.884
750.	5.187	34.529	141.7	5.124	3999.	2.139	34.871	254.8	1.801
800.	4.977	34.539	144.2	4.911					
850.	4.849	34.564	145.2	4.780					
900.	4.750	34.589	149.7	4.677					
950.	4.665	34.621	152.5	4.589					
1000.	4.640	34.662	158.1	4.559					
1050.	4.679	34.706	160.7	4.593					
1100.	4.680	34.744	165.6	4.590					
1150.	4.674	34.787	172.2	4.579					
1200.	4.638	34.814	178.3	4.539					
1250.	4.614	34.848	185.7	4.510					
1300.	4.593	34.878	193.3	4.485					
1350.	4.553	34.912	204.5	4.441					
1400.	4.489	34.939	214.1	4.373					
1450.	4.440	34.949	219.9	4.319					
1500.	4.360	34.966	227.0	4.235					
1550.	4.307	34.977	236.0	4.179					
1600.	4.221	34.984	242.2	4.089					
1650.	4.134	34.981	244.1	3.999					
1700.	4.075	34.983	246.6	3.936					
1750.	3.990	34.984	250.6	3.846					
1800.	3.921	34.985	253.5	3.774					
1850.	3.770	34.979	255.7	3.620					
1900.	3.711	34.978	256.5	3.557					
1950.	3.624	34.975	257.6	3.467					
2000.	3.533	34.970	257.5	3.373					
2050.	3.448	34.967	257.2	3.283					
2100.	3.399	34.963	257.0	3.230					
2150.	3.324	34.959	256.9	3.152					
2200.	3.295	34.959	257.4	3.119					
2250.	3.233	34.957	258.2	3.054					
2300.	3.164	34.954	258.8	2.980					
2350.	3.121	34.950	257.7	2.934					
2400.	3.041	34.944	256.9	2.850					
2450.	2.987	34.941	255.9	2.792					
2500.	2.920	34.937	255.4	2.722					
2550.	2.896	34.936	255.7	2.693					
2600.	2.853	34.933	256.2	2.646					
2650.	2.825	34.930	255.5	2.614					
2700.	2.786	34.926	254.6	2.570					
2750.	2.755	34.924	254.5	2.535					
2800.	2.744	34.925	255.0	2.519					



Station 113

Station : 114 Campagne : CITHER1
 Date : 05-02-93 Navire : L'ATALANTE
 Profondeur: 3959 m Organisme : IFREMER
 Position : N 4 14.92
 W 35 0.04

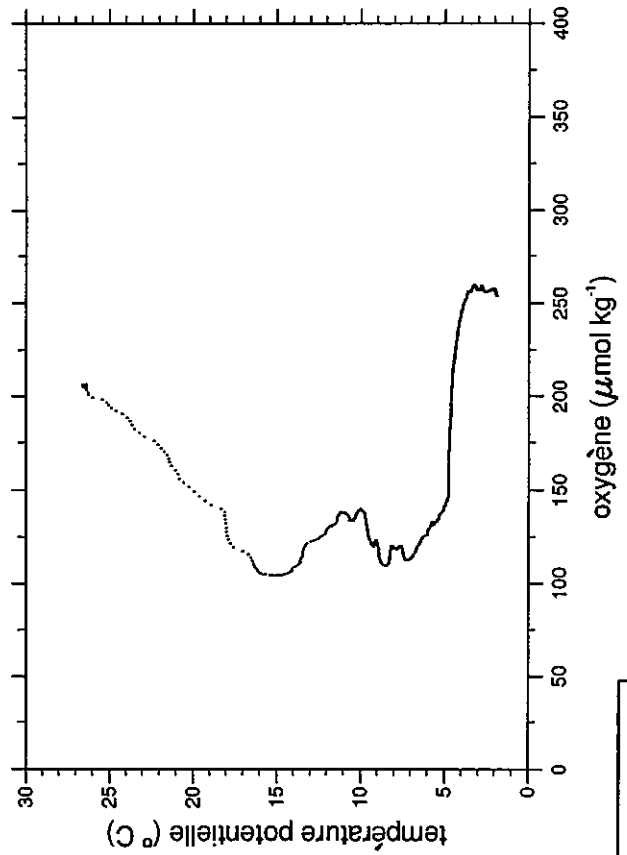
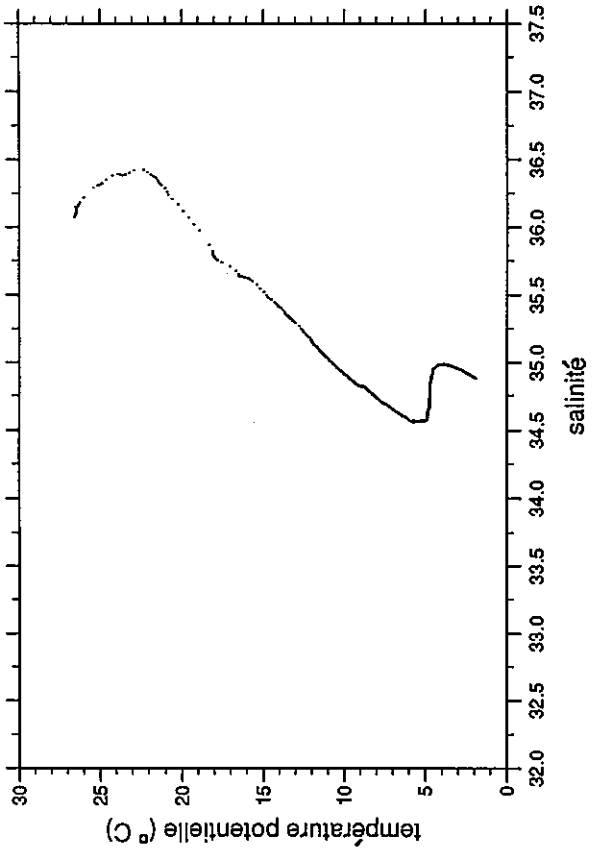
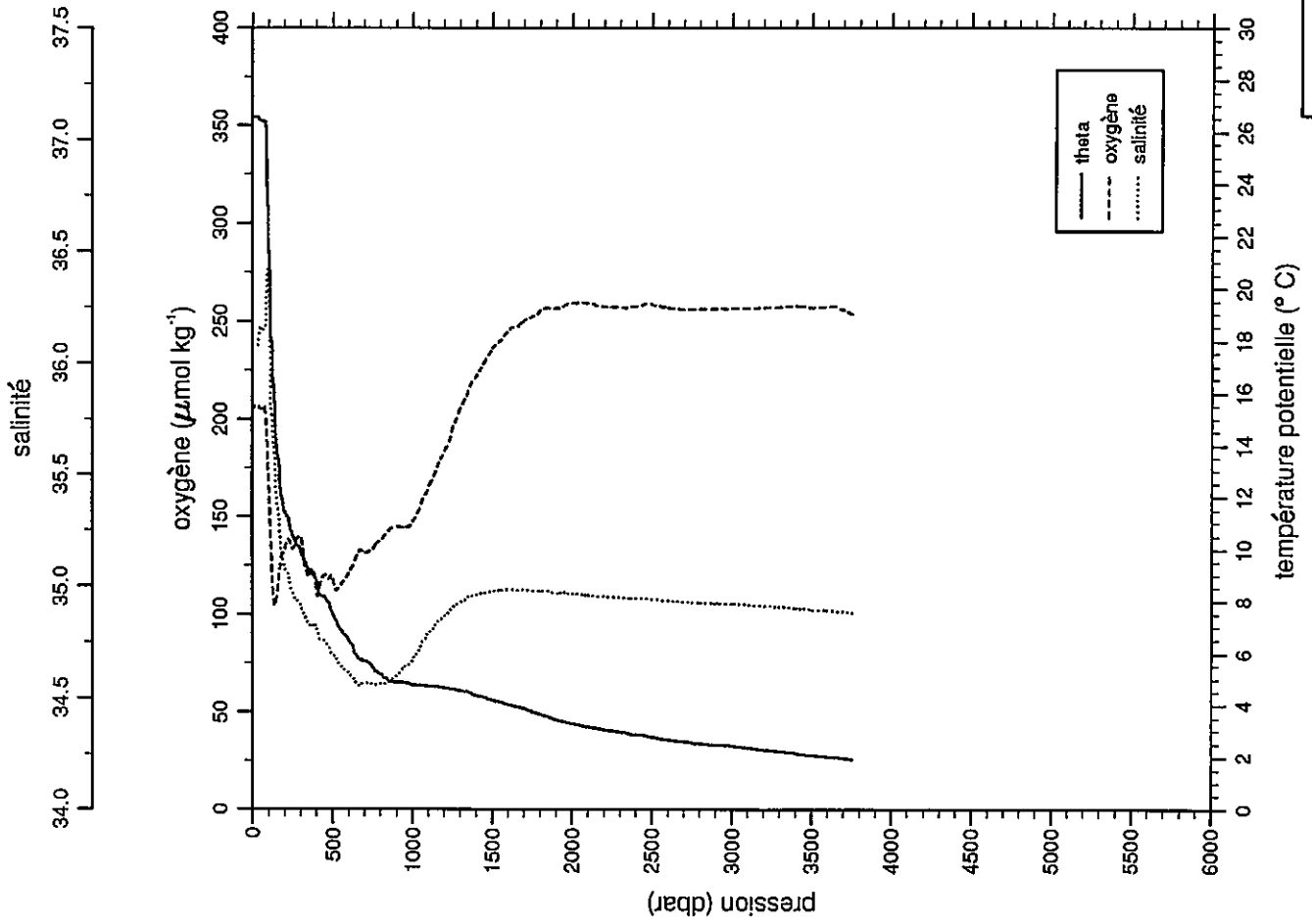
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.804	35.914	198.7	26.804	2850.	2.748	34.923	255.1	2.518
2.	26.804	35.914	198.8	26.803	2900.	2.699	34.921	255.2	2.465
3.	26.801	35.914	197.4	26.800	2950.	2.672	34.919	255.1	2.434
4.	26.804	35.914	197.5	26.803	3000.	2.658	34.917	255.3	2.414
5.	26.805	35.914	197.9	26.804	3050.	2.629	34.916	255.4	2.381
10.	26.808	35.914	199.5	26.805	3100.	2.606	34.915	255.5	2.353
20.	26.754	35.915	200.7	26.749	3150.	2.580	34.913	256.0	2.323
30.	26.731	35.915	200.3	26.725	3200.	2.557	34.911	256.0	2.295
40.	26.724	35.916	199.1	26.715	3250.	2.542	34.909	255.7	2.275
50.	26.715	35.927	199.6	26.704	3300.	2.519	34.907	255.5	2.247
100.	19.712	35.929	138.8	19.694	3350.	2.500	34.907	256.6	2.223
150.	14.060	35.412	131.3	14.038	3400.	2.479	34.906	257.0	2.198
200.	11.558	35.084	140.9	11.533	3450.	2.454	34.904	257.7	2.168
250.	11.230	35.050	123.6	11.199	3500.	2.440	34.903	258.2	2.149
300.	10.518	34.971	132.8	10.482	3550.	2.426	34.900	257.4	2.130
350.	9.625	34.906	117.1	9.585	3600.	2.403	34.899	257.2	2.102
400.	8.810	34.818	109.0	8.766	3650.	2.361	34.894	257.0	2.055
450.	8.337	34.773	101.3	8.289	3700.	2.339	34.891	256.5	2.029
500.	7.344	34.676	111.0	7.295	3750.	2.321	34.891	256.5	2.006
550.	6.639	34.616	119.7	6.588	3800.	2.260	34.885	256.8	1.941
600.	6.348	34.596	123.4	6.294	3850.	2.238	34.882	255.6	1.914
650.	5.675	34.549	130.9	5.619	3900.	2.218	34.879	255.4	1.889
700.	5.358	34.540	137.7	5.300	3950.	2.200	34.877	255.1	1.866
750.	5.087	34.544	141.8	5.026	3978.	2.190	34.876	254.0	1.853
800.	4.924	34.555	144.7	4.859					
850.	4.785	34.577	147.7	4.717					
900.	4.745	34.608	150.5	4.672					
950.	4.673	34.636	153.8	4.597					
1000.	4.666	34.682	158.1	4.585					
1050.	4.646	34.726	163.5	4.560					
1100.	4.678	34.762	168.3	4.587					
1150.	4.670	34.803	175.6	4.575					
1200.	4.610	34.833	182.9	4.512					
1250.	4.561	34.875	192.7	4.458					
1300.	4.549	34.890	198.2	4.441					
1350.	4.541	34.913	203.4	4.429					
1400.	4.492	34.943	216.4	4.376					
1450.	4.410	34.957	223.6	4.290					
1500.	4.323	34.968	230.3	4.200					
1550.	4.268	34.971	234.1	4.140					
1600.	4.213	34.976	238.5	4.081					
1650.	4.126	34.983	244.9	3.990					
1700.	4.026	34.984	249.5	3.887					
1750.	3.981	34.985	251.5	3.837					
1800.	3.930	34.985	253.4	3.783					
1850.	3.821	34.984	256.9	3.671					
1900.	3.659	34.976	256.9	3.506					
1950.	3.608	34.975	257.4	3.451					
2000.	3.548	34.972	257.7	3.387					
2050.	3.489	34.968	257.4	3.325					
2100.	3.410	34.964	256.8	3.242					
2150.	3.334	34.961	257.2	3.162					
2200.	3.285	34.958	256.7	3.110					
2250.	3.273	34.958	256.9	3.092					
2300.	3.226	34.955	257.0	3.042					
2350.	3.161	34.951	256.5	2.973					
2400.	3.069	34.945	254.6	2.878					
2450.	3.023	34.942	254.7	2.827					
2500.	2.969	34.940	255.5	2.770					
2550.	2.938	34.939	256.0	2.735					
2600.	2.915	34.938	256.7	2.706					
2650.	2.900	34.937	256.3	2.687					
2700.	2.864	34.933	256.1	2.647					
2750.	2.838	34.931	255.9	2.616					
2800.	2.787	34.927	255.7	2.561					



Station 114

Station : 115 Campagne : CITHER1
 Date : 05-02-93 Navire : L'ATALANTE
 Profondeur: 3736 m Organisme : IFREMER
 Position : N 5 0.00
 W 35 0.07

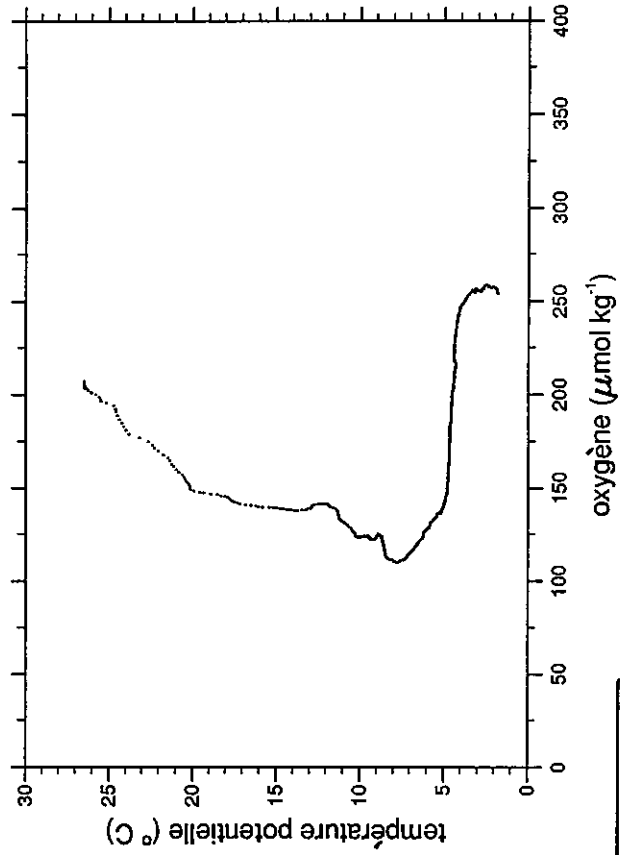
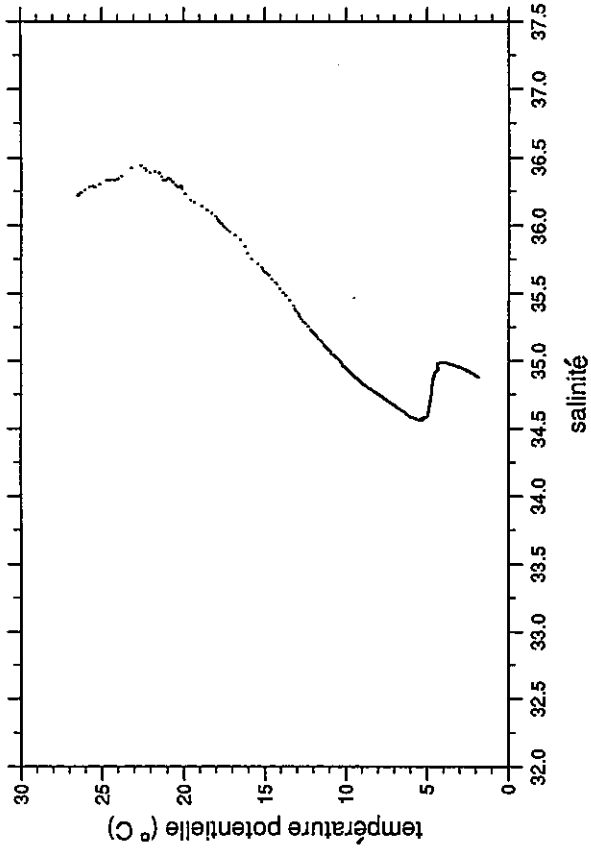
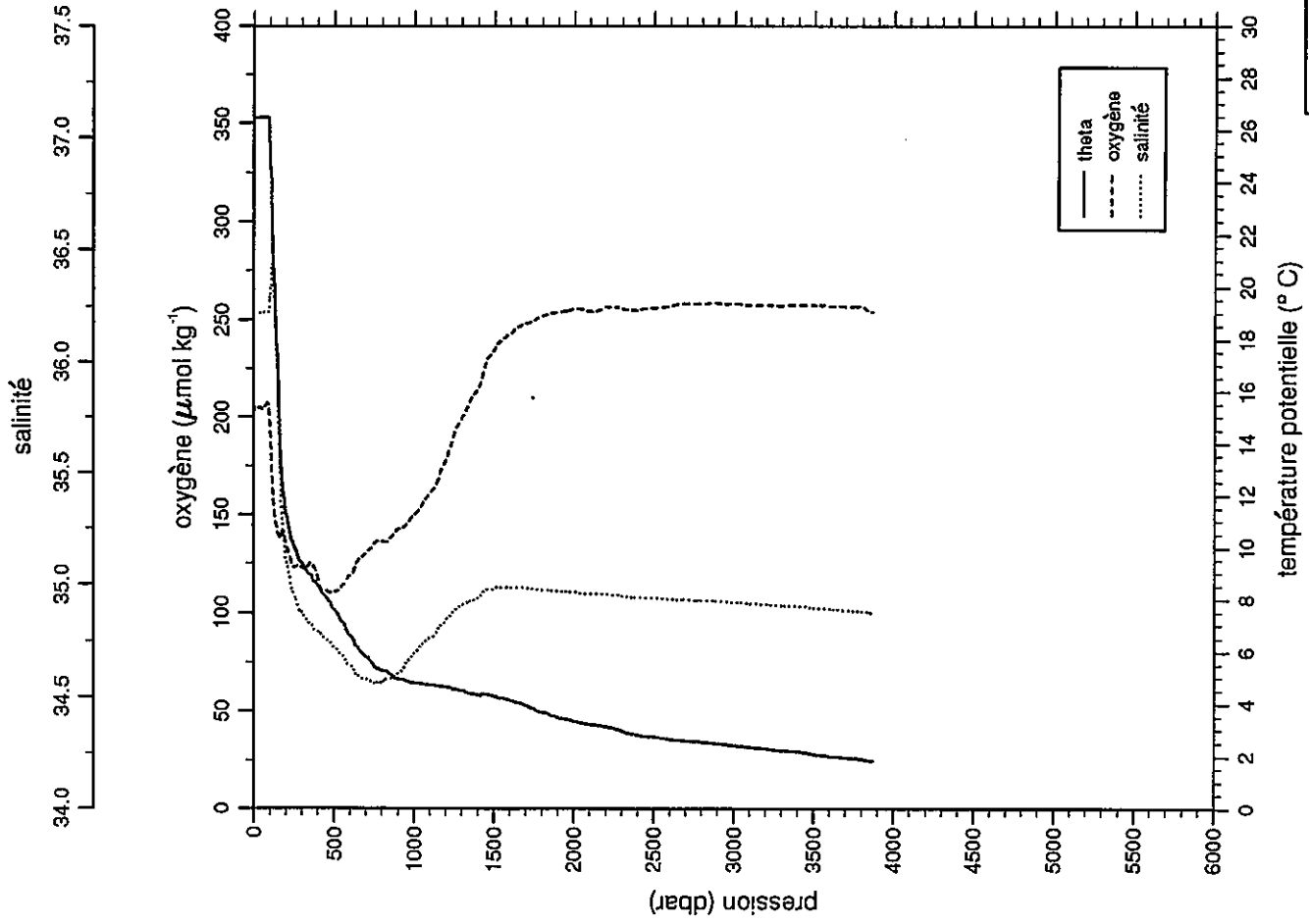
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.587	36.072	205.9	26.587	2850.	2.746	34.925	256.3	2.516
2.	26.587	36.072	205.7	26.587	2900.	2.730	34.924	256.3	2.496
3.	26.581	36.072	205.8	26.581	2950.	2.717	34.922	256.4	2.478
4.	26.585	36.072	205.2	26.584	3000.	2.691	34.920	256.5	2.447
5.	26.588	36.072	205.5	26.586	3050.	2.675	34.920	256.5	2.426
10.	26.588	36.072	206.0	26.585	3100.	2.632	34.917	256.7	2.379
20.	26.590	36.072	206.5	26.586	3150.	2.611	34.915	256.8	2.353
30.	26.578	36.075	206.1	26.571	3200.	2.563	34.911	257.0	2.301
40.	26.517	36.107	206.1	26.508	3250.	2.541	34.909	256.9	2.275
50.	26.452	36.150	204.9	26.441	3300.	2.507	34.907	257.2	2.236
100.	21.748	36.372	170.3	21.728	3350.	2.483	34.906	257.5	2.207
150.	14.093	35.412	107.5	14.071	3400.	2.454	34.904	257.7	2.174
200.	11.451	35.079	133.2	11.425	3450.	2.403	34.899	257.6	2.119
250.	10.579	34.975	133.6	10.549	3500.	2.375	34.896	257.1	2.086
300.	10.011	34.914	139.9	9.976	3550.	2.343	34.894	257.3	2.049
350.	9.263	34.835	119.5	9.224	3600.	2.320	34.892	257.6	2.021
400.	8.827	34.819	111.8	8.784	3650.	2.305	34.890	257.5	2.001
450.	8.219	34.753	119.8	8.172	3700.	2.273	34.887	256.0	1.964
500.	7.565	34.694	119.1	7.516	3750.	2.235	34.882	253.8	1.922
550.	6.959	34.644	114.4	6.907	3755.	2.235	34.882	253.7	1.922
600.	6.527	34.606	121.0	6.471					
650.	5.974	34.566	129.6	5.916					
700.	5.734	34.565	131.4	5.673					
750.	5.506	34.561	133.2	5.442					
800.	5.269	34.564	137.7	5.201					
850.	5.020	34.571	142.4	4.950					
900.	4.958	34.600	144.5	4.884					
950.	4.941	34.636	144.6	4.862					
1000.	4.838	34.668	147.0	4.756					
1050.	4.832	34.726	154.8	4.745					
1100.	4.821	34.788	164.7	4.730					
1150.	4.798	34.836	174.1	4.702					
1200.	4.772	34.868	183.1	4.671					
1250.	4.715	34.905	194.9	4.611					
1300.	4.667	34.931	205.4	4.559					
1350.	4.616	34.953	214.2	4.503					
1400.	4.501	34.960	221.8	4.385					
1450.	4.439	34.972	228.9	4.319					
1500.	4.326	34.981	235.9	4.203					
1550.	4.257	34.980	240.0	4.130					
1600.	4.156	34.983	244.7	4.024					
1650.	4.072	34.982	246.5	3.937					
1700.	4.011	34.984	250.2	3.872					
1750.	3.886	34.980	252.3	3.744					
1800.	3.809	34.981	255.4	3.663					
1850.	3.718	34.977	256.5	3.569					
1900.	3.615	34.973	256.5	3.462					
1950.	3.550	34.972	257.9	3.394					
2000.	3.462	34.969	259.3	3.302					
2050.	3.405	34.966	259.6	3.242					
2100.	3.353	34.963	259.3	3.186					
2150.	3.300	34.959	258.2	3.128					
2200.	3.236	34.955	257.6	3.061					
2250.	3.206	34.953	257.3	3.027					
2300.	3.162	34.952	257.2	2.979					
2350.	3.113	34.950	257.4	2.925					
2400.	3.073	34.948	257.6	2.881					
2450.	3.047	34.948	258.8	2.851					
2500.	2.982	34.943	258.7	2.783					
2550.	2.918	34.937	257.7	2.715					
2600.	2.897	34.936	256.8	2.689					
2650.	2.863	34.933	256.4	2.651					
2700.	2.833	34.931	255.9	2.617					
2750.	2.796	34.928	255.9	2.575					
2800.	2.769	34.926	256.2	2.544					



Station 115

Station : 116 Campagne : CITHER1
 Date : 06-02-93 Navire : L'ATALANTE
 Profondeur: 3938 m Organisme : IFREMER
 Position : N 5 44.79
 W 35 0.03

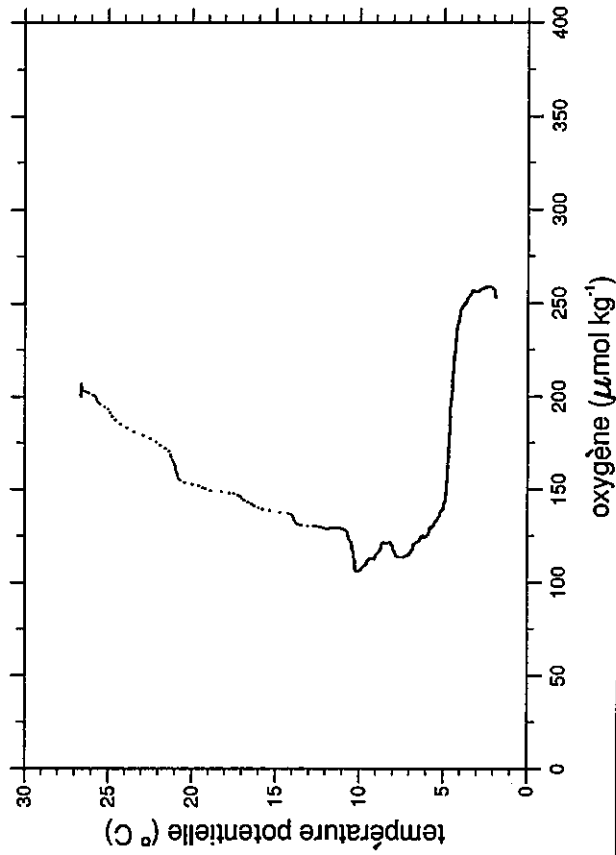
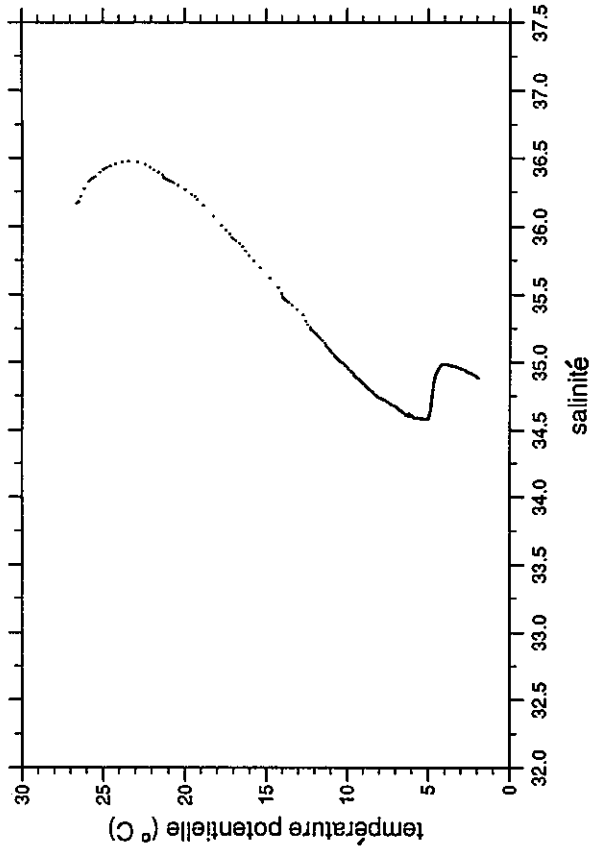
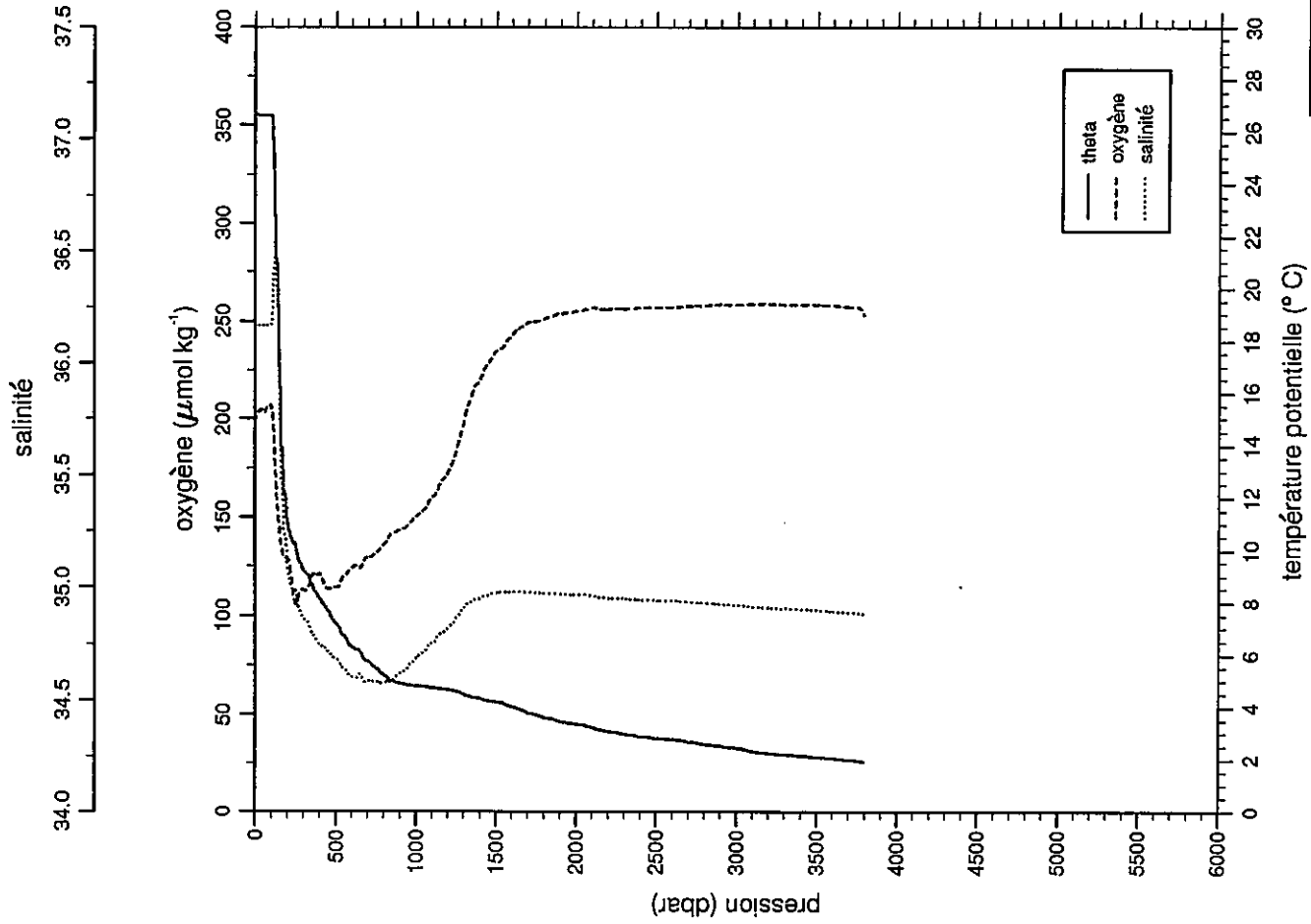
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.467	36.220	204.5	26.467	2850.	2.751	34.927	258.5	2.521
2.	26.467	36.220	203.2	26.467	2900.	2.730	34.925	258.5	2.496
3.	26.465	36.220	203.2	26.464	2950.	2.695	34.922	258.1	2.456
4.	26.462	36.220	203.7	26.461	3000.	2.677	34.921	258.3	2.433
5.	26.461	36.220	204.3	26.460	3050.	2.635	34.917	258.0	2.387
10.	26.471	36.221	204.7	26.469	3100.	2.612	34.915	257.5	2.360
20.	26.475	36.221	204.9	26.470	3150.	2.594	34.913	257.6	2.337
30.	26.476	36.221	204.8	26.469	3200.	2.561	34.911	257.6	2.299
40.	26.480	36.221	205.1	26.471	3250.	2.526	34.908	257.5	2.260
50.	26.481	36.221	204.5	26.470	3300.	2.502	34.906	257.4	2.231
100.	25.493	36.283	196.4	25.471	3350.	2.490	34.906	257.5	2.214
150.	16.870	35.929	140.8	16.845	3400.	2.464	34.904	257.5	2.183
200.	11.305	35.106	135.7	11.280	3450.	2.438	34.901	257.7	2.152
250.	10.092	34.951	123.3	10.063	3500.	2.369	34.895	257.5	2.080
300.	9.423	34.873	122.8	9.389	3550.	2.363	34.895	257.4	2.069
350.	8.983	34.821	124.9	8.944	3600.	2.314	34.890	257.1	2.015
400.	8.574	34.791	117.0	8.531	3650.	2.284	34.887	256.8	1.981
450.	8.155	34.759	111.3	8.109	3700.	2.272	34.886	256.8	1.964
500.	7.677	34.719	110.6	7.627	3750.	2.251	34.883	256.9	1.938
550.	7.214	34.681	113.6	7.161	3800.	2.232	34.881	256.7	1.914
600.	6.698	34.638	118.9	6.642	3850.	2.172	34.876	254.2	1.849
650.	6.208	34.595	126.4	6.149	3867.	2.165	34.875	254.1	1.841
700.	5.889	34.576	130.3	5.827					
750.	5.503	34.560	134.8	5.439					
800.	5.377	34.573	136.4	5.309					
850.	5.215	34.580	137.8	5.143					
900.	5.025	34.604	142.3	4.950					
950.	4.969	34.652	144.3	4.890					
1000.	4.896	34.694	149.7	4.813					
1050.	4.865	34.733	154.5	4.778					
1100.	4.819	34.766	161.2	4.728					
1150.	4.797	34.796	167.5	4.701					
1200.	4.754	34.844	177.8	4.653					
1250.	4.681	34.891	191.3	4.576					
1300.	4.637	34.907	199.5	4.528					
1350.	4.520	34.926	208.2	4.408					
1400.	4.446	34.940	214.6	4.330					
1450.	4.492	34.977	227.8	4.371					
1500.	4.432	34.980	234.2	4.307					
1550.	4.343	34.986	239.8	4.214					
1600.	4.272	34.984	242.8	4.140					
1650.	4.196	34.987	246.3	4.060					
1700.	4.090	34.984	248.1	3.950					
1750.	3.990	34.981	249.7	3.846					
1800.	3.842	34.977	252.1	3.695					
1850.	3.745	34.974	253.3	3.596					
1900.	3.656	34.971	254.2	3.503					
1950.	3.586	34.969	254.8	3.430					
2000.	3.510	34.966	256.0	3.350					
2050.	3.438	34.962	255.8	3.274					
2100.	3.392	34.959	254.6	3.224					
2150.	3.353	34.958	255.1	3.181					
2200.	3.308	34.957	256.7	3.132					
2250.	3.246	34.953	256.5	3.066					
2300.	3.164	34.949	255.9	2.981					
2350.	3.073	34.944	255.4	2.886					
2400.	3.015	34.941	255.3	2.825					
2450.	2.981	34.940	256.1	2.786					
2500.	2.958	34.938	256.3	2.758					
2550.	2.923	34.936	256.5	2.720					
2600.	2.861	34.933	257.2	2.654					
2650.	2.831	34.933	258.1	2.620					
2700.	2.817	34.932	258.3	2.600					
2750.	2.791	34.930	258.3	2.570					
2800.	2.783	34.929	258.3	2.557					



Station 116

Station : 117 Campagne : CITHER1
 Date : 06-02-93 Navire : L'ATALANTE
 Profondeur: 3769 m Organisme : IFREMER
 Position : N 6 34.95
 W 35 0.03

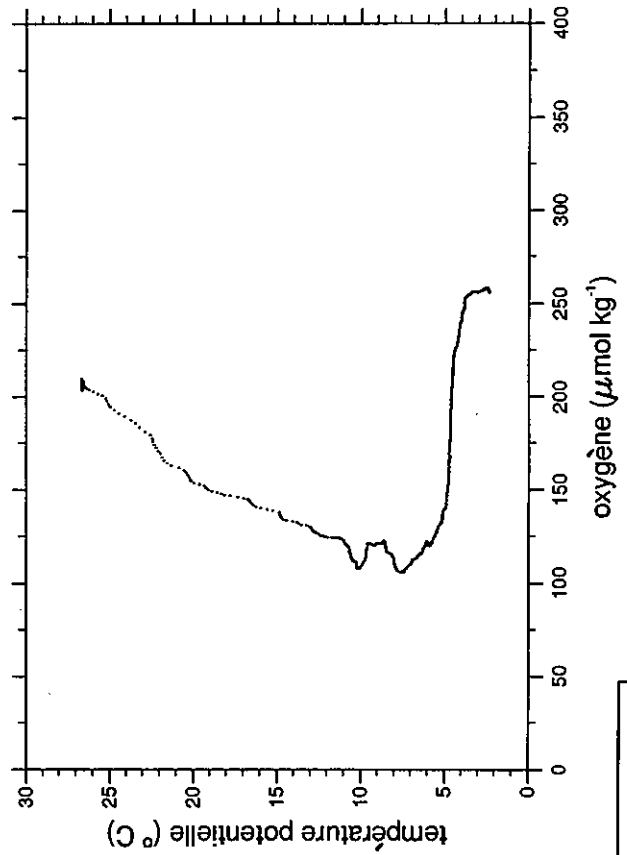
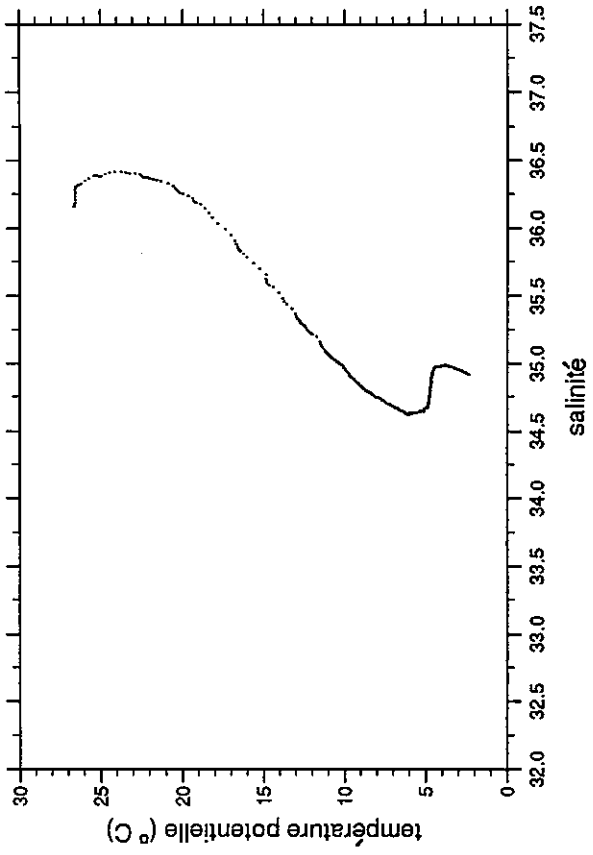
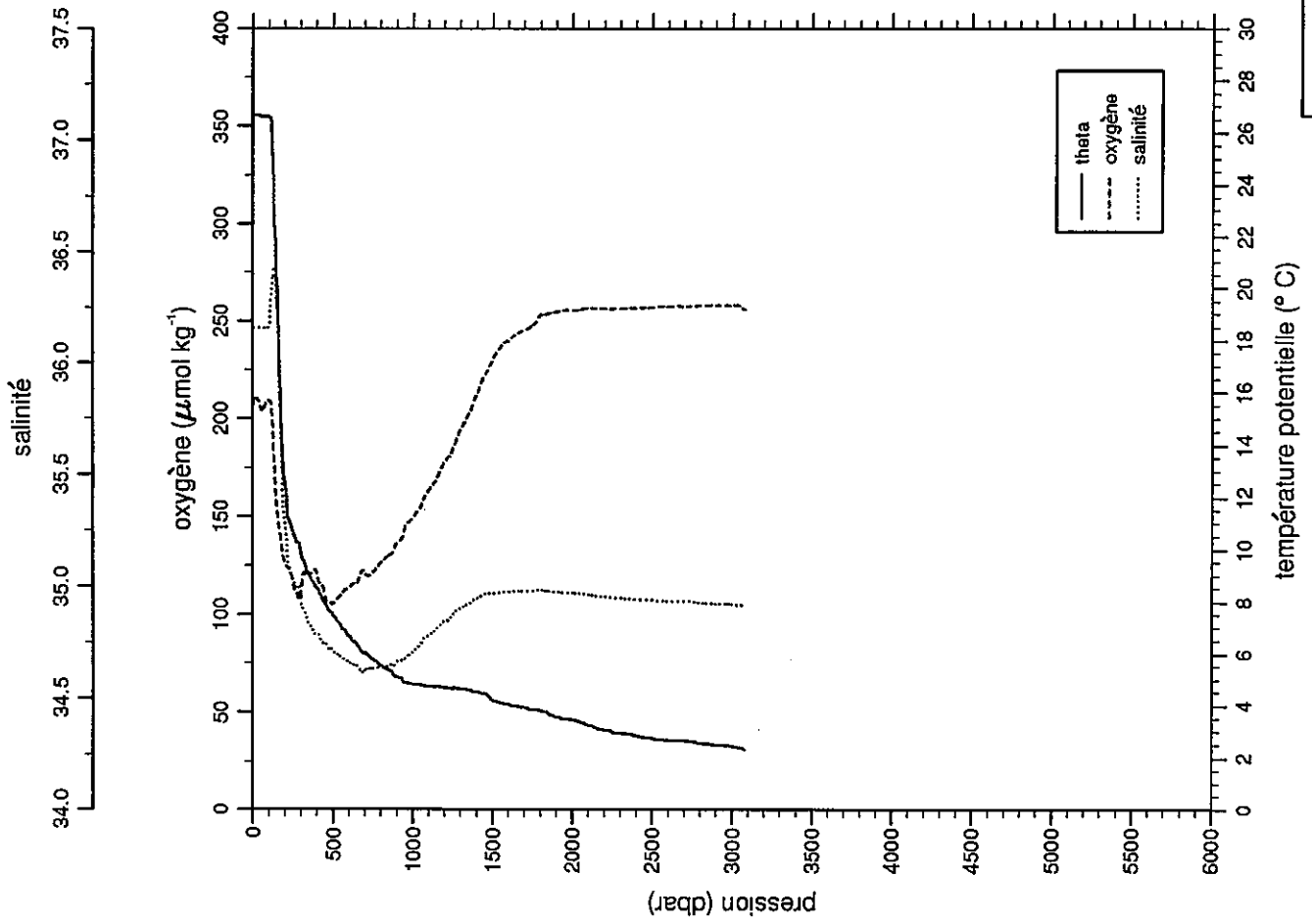
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.634	36.167	201.1	26.634	2850.	2.805	34.930	258.1	2.573
2.	26.634	36.167	200.4	26.633	2900.	2.778	34.929	258.5	2.542
3.	26.638	36.167	199.8	26.637	2950.	2.729	34.925	258.3	2.490
4.	26.638	36.167	199.8	26.637	3000.	2.701	34.923	258.3	2.456
5.	26.637	36.167	200.1	26.635	3050.	2.656	34.920	258.4	2.408
10.	26.633	36.167	201.5	26.631	3100.	2.595	34.916	258.6	2.342
20.	26.624	36.167	203.2	26.620	3150.	2.545	34.912	258.6	2.288
30.	26.606	36.167	204.1	26.599	3200.	2.522	34.911	258.7	2.261
40.	26.605	36.167	204.5	26.596	3250.	2.496	34.908	258.5	2.230
50.	26.604	36.167	203.6	26.593	3300.	2.476	34.907	258.2	2.205
100.	26.611	36.169	206.4	26.588	3350.	2.466	34.905	258.3	2.191
150.	17.130	35.920	145.9	17.105	3400.	2.435	34.903	258.2	2.155
200.	11.123	35.090	128.9	11.098	3450.	2.427	34.901	258.3	2.142
250.	10.222	34.987	105.9	10.193	3500.	2.406	34.899	258.3	2.116
300.	9.230	34.864	112.7	9.196	3550.	2.378	34.896	258.1	2.084
350.	8.733	34.801	119.1	8.696	3600.	2.356	34.895	257.9	2.056
400.	8.191	34.748	121.2	8.149	3650.	2.326	34.891	257.5	2.022
450.	7.734	34.717	113.5	7.689	3700.	2.290	34.888	257.1	1.982
500.	7.249	34.681	114.2	7.201	3750.	2.271	34.885	257.0	1.957
550.	6.808	34.642	119.8	6.756	3792.	2.242	34.883	253.1	1.924
600.	6.365	34.603	124.1	6.310					
650.	6.214	34.616	124.3	6.155					
700.	5.831	34.585	129.2	5.770					
750.	5.567	34.580	131.7	5.503					
800.	5.311	34.580	135.9	5.243					
850.	5.065	34.588	141.6	4.995					
900.	4.991	34.619	143.4	4.917					
950.	4.933	34.643	145.7	4.854					
1000.	4.905	34.685	150.0	4.822					
1050.	4.887	34.716	153.5	4.800					
1100.	4.850	34.754	160.0	4.758					
1150.	4.806	34.795	166.6	4.710					
1200.	4.782	34.821	172.4	4.681					
1250.	4.731	34.866	183.2	4.627					
1300.	4.632	34.909	198.1	4.524					
1350.	4.521	34.942	212.7	4.409					
1400.	4.471	34.955	220.0	4.355					
1450.	4.394	34.966	228.0	4.274					
1500.	4.341	34.977	234.9	4.217					
1550.	4.274	34.980	237.6	4.146					
1600.	4.165	34.982	242.9	4.033					
1650.	4.060	34.982	246.6	3.925					
1700.	3.926	34.978	249.3	3.788					
1750.	3.877	34.976	249.9	3.735					
1800.	3.757	34.972	251.3	3.612					
1850.	3.730	34.973	252.8	3.580					
1900.	3.626	34.969	253.8	3.474					
1950.	3.577	34.967	254.4	3.420					
2000.	3.547	34.968	255.1	3.386					
2050.	3.512	34.967	255.9	3.347					
2100.	3.425	34.963	256.7	3.256					
2150.	3.326	34.957	255.8	3.154					
2200.	3.274	34.954	256.0	3.099					
2250.	3.231	34.953	256.2	3.051					
2300.	3.173	34.951	256.1	2.989					
2350.	3.137	34.949	256.3	2.949					
2400.	3.082	34.947	256.7	2.891					
2450.	3.050	34.944	256.9	2.854					
2500.	3.012	34.943	256.9	2.811					
2550.	3.007	34.943	257.1	2.802					
2600.	3.001	34.942	257.1	2.792					
2650.	2.959	34.940	257.3	2.745					
2700.	2.916	34.937	257.6	2.698					
2750.	2.879	34.935	257.8	2.656					
2800.	2.823	34.932	258.0	2.597					



Station 117

Station	: 118	Campagne	: CITHER1
Date	: 06-02-93	Navire	: L'ATALANTE
Profondeur:	3108 m	Organisme	: IFREMER
Position	: N 7 0.05		
	W 34 59.95		

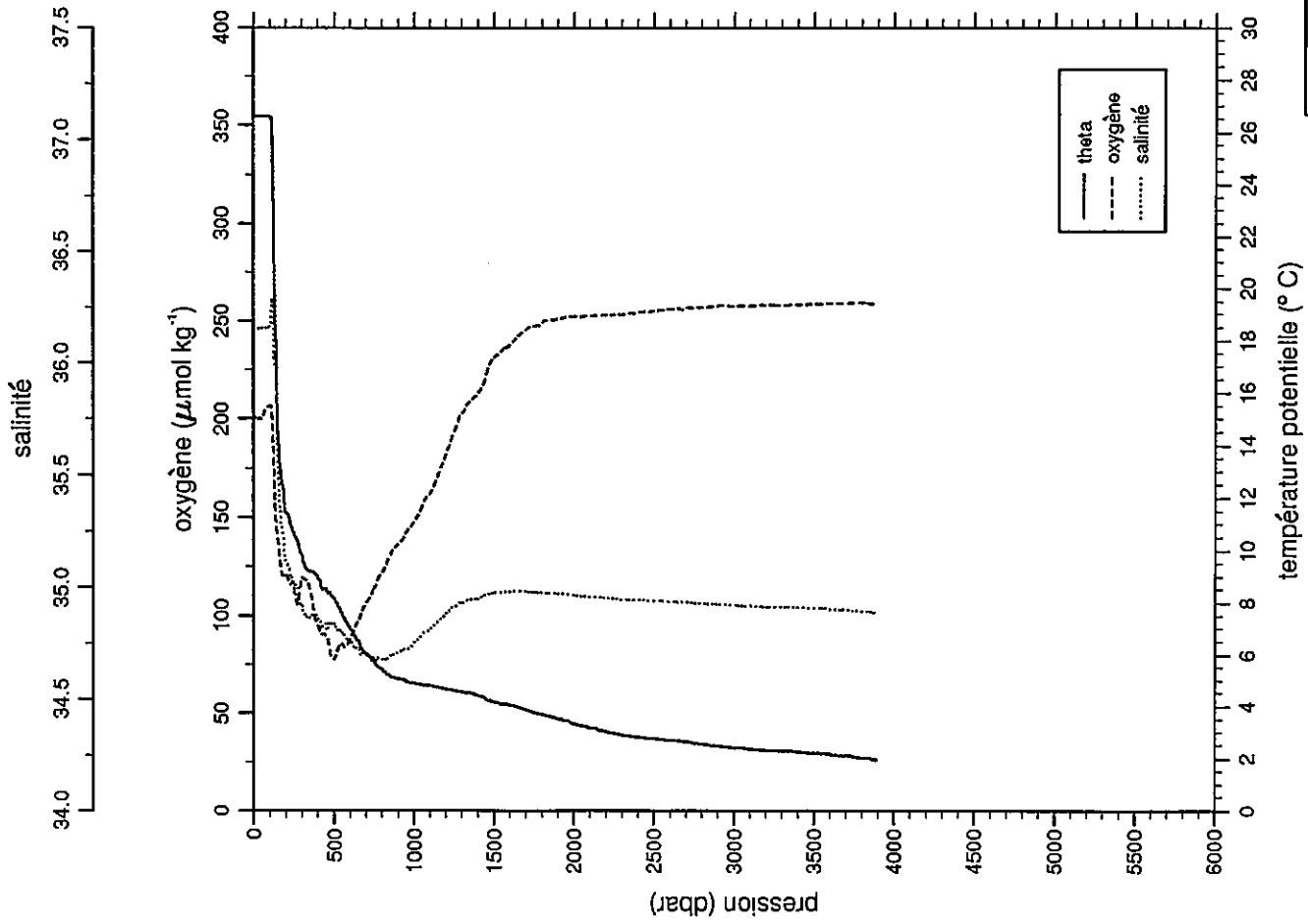
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.668	36.159	208.5	26.668	2850.	2.770	34.928	258.0	2.540
2.	26.668	36.159	208.5	26.667	2900.	2.743	34.926	258.0	2.508
3.	26.668	36.159	206.9	26.667	2950.	2.732	34.925	258.1	2.492
4.	26.667	36.159	207.1	26.666	3000.	2.706	34.923	258.2	2.461
5.	26.666	36.159	207.5	26.665	3050.	2.639	34.918	257.3	2.391
10.	26.668	36.159	209.1	26.666	3080.	2.569	34.914	256.1	2.319
20.	26.671	36.158	210.0	26.666					
30.	26.673	36.159	209.3	26.666					
40.	26.677	36.159	208.4	26.668					
50.	26.651	36.158	205.4	26.639					
100.	26.634	36.160	208.9	26.612					
150.	20.198	36.264	155.5	20.170					
200.	12.544	35.283	126.2	12.517					
250.	10.686	35.028	116.6	10.656					
300.	9.901	34.940	111.0	9.866					
350.	9.073	34.835	121.1	9.034					
400.	8.564	34.788	120.8	8.522					
450.	8.003	34.746	109.8	7.957					
500.	7.498	34.710	105.6	7.448					
550.	7.094	34.682	109.7	7.041					
600.	6.733	34.661	113.1	6.676					
650.	6.403	34.641	116.0	6.343					
700.	6.080	34.629	121.0	6.017					
750.	5.822	34.632	121.8	5.756					
800.	5.586	34.634	126.4	5.517					
850.	5.422	34.645	130.0	5.349					
900.	5.188	34.662	136.2	5.112					
950.	4.970	34.682	144.0	4.891					
1000.	4.906	34.706	149.3	4.823					
1050.	4.871	34.741	154.9	4.783					
1100.	4.824	34.786	163.4	4.732					
1150.	4.816	34.812	169.1	4.720					
1200.	4.773	34.845	177.9	4.672					
1250.	4.758	34.872	184.4	4.653					
1300.	4.746	34.904	194.6	4.637					
1350.	4.699	34.926	202.2	4.585					
1400.	4.631	34.949	212.2	4.514					
1450.	4.568	34.967	222.2	4.447					
1500.	4.329	34.969	229.9	4.205					
1550.	4.231	34.976	236.7	4.103					
1600.	4.191	34.977	239.8	4.059					
1650.	4.103	34.979	243.1	3.968					
1700.	4.059	34.980	245.7	3.919					
1750.	3.971	34.979	248.0	3.828					
1800.	3.949	34.985	253.0	3.802					
1850.	3.832	34.980	253.9	3.682					
1900.	3.724	34.976	254.7	3.570					
1950.	3.648	34.974	255.5	3.491					
2000.	3.623	34.972	255.3	3.461					
2050.	3.546	34.969	256.1	3.380					
2100.	3.436	34.964	256.5	3.267					
2150.	3.336	34.959	256.5	3.164					
2200.	3.245	34.955	256.3	3.070					
2250.	3.193	34.953	256.1	3.014					
2300.	3.138	34.951	256.3	2.955					
2350.	3.104	34.949	256.4	2.917					
2400.	3.042	34.946	256.7	2.851					
2450.	2.988	34.943	256.8	2.793					
2500.	2.953	34.941	257.0	2.754					
2550.	2.922	34.938	257.4	2.719					
2600.	2.885	34.937	257.4	2.678					
2650.	2.880	34.936	257.7	2.668					
2700.	2.875	34.936	257.5	2.658					
2750.	2.854	34.934	257.8	2.632					
2800.	2.798	34.930	258.0	2.572					



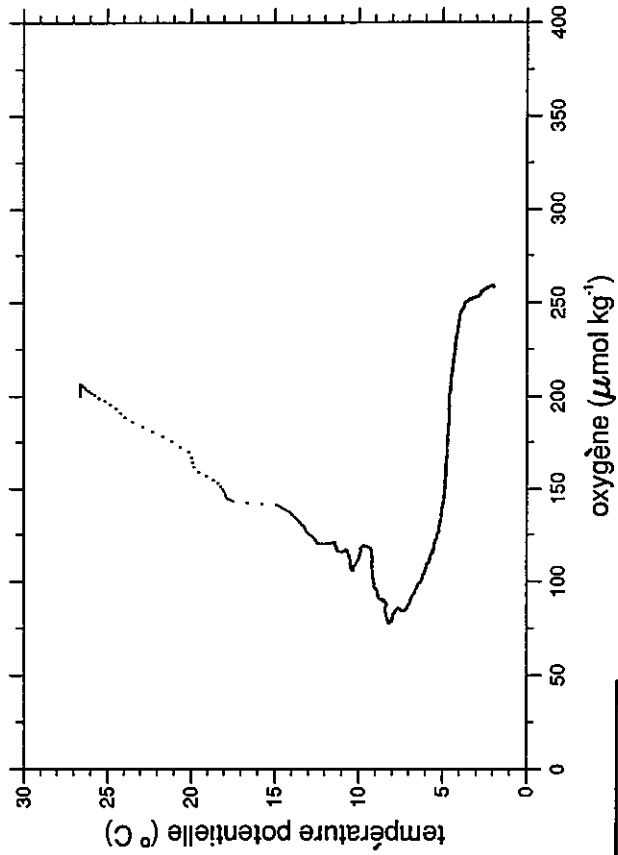
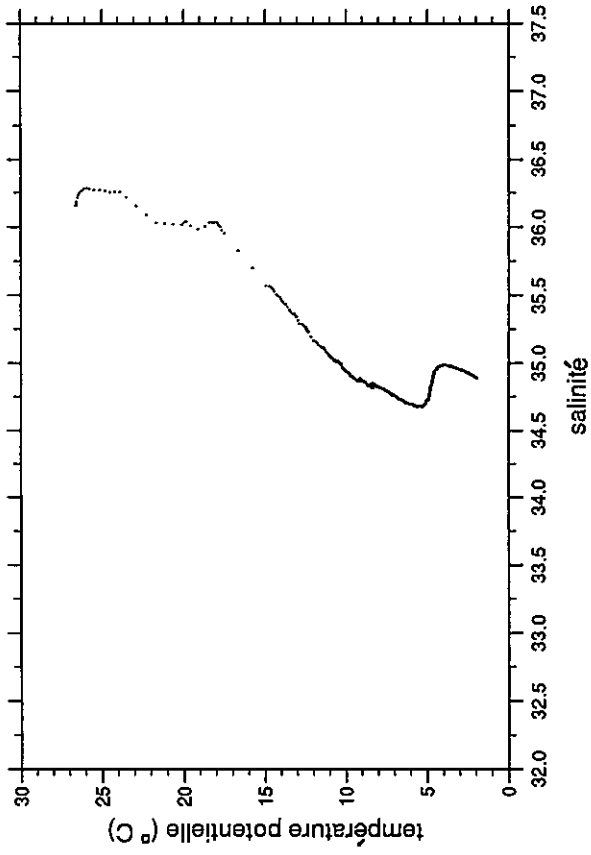
Station 118

Station : 119	Campagne : CITHERR1
Date : 07-02-93	Navire : L'ATALANTE
Profondeur: 3949 m	Organisme : IFRIMER
Position : N 7 29.94	
W 35 0.02	

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.599	36.154	200.8	26.599	2850.	2.736	34.928	257.3	2.507
2.	26.599	36.154	200.8	26.599	2900.	2.703	34.925	257.7	2.469
3.	26.599	36.154	199.9	26.599	2950.	2.680	34.923	257.7	2.442
4.	26.601	36.154	199.8	26.600	3000.	2.653	34.921	257.5	2.410
5.	26.599	36.154	200.0	26.598	3050.	2.647	34.920	257.6	2.398
10.	26.601	36.154	200.9	26.598	3100.	2.616	34.918	257.6	2.363
20.	26.599	36.153	201.2	26.594	3150.	2.585	34.916	257.8	2.328
30.	26.603	36.153	199.9	26.596	3200.	2.577	34.915	257.9	2.315
40.	26.606	36.153	200.4	26.597	3250.	2.573	34.915	258.0	2.305
50.	26.607	36.154	200.3	26.596	3300.	2.556	34.912	258.1	2.284
100.	26.604	36.161	206.3	26.581	3350.	2.558	34.914	258.2	2.280
150.	14.646	35.555	139.9	14.623	3400.	2.535	34.910	258.2	2.252
200.	11.429	35.111	121.1	11.404	3450.	2.516	34.909	258.3	2.228
250.	10.712	35.015	115.6	10.681	3500.	2.491	34.907	258.5	2.199
300.	9.827	34.920	119.1	9.792	3550.	2.493	34.907	258.6	2.195
350.	9.247	34.866	113.8	9.208	3600.	2.464	34.904	258.8	2.162
400.	8.978	34.859	95.5	8.934	3650.	2.422	34.901	259.0	2.115
450.	8.588	34.840	89.5	8.540	3700.	2.414	34.900	258.9	2.102
500.	8.229	34.838	77.5	8.176	3750.	2.367	34.896	259.3	2.051
550.	7.651	34.800	85.5	7.596	3800.	2.337	34.894	259.4	2.016
600.	7.097	34.762	87.8	7.039	3850.	2.329	34.893	258.7	2.002
650.	6.590	34.729	96.9	6.530	3888.	2.284	34.889	258.1	1.955
700.	6.097	34.697	106.3	6.035					
750.	5.814	34.684	113.7	5.748					
800.	5.494	34.678	122.0	5.425					
850.	5.248	34.696	130.7	5.176					
900.	5.143	34.710	136.7	5.067					
950.	5.041	34.727	141.9	4.961					
1000.	4.982	34.751	148.0	4.898					
1050.	4.928	34.787	155.2	4.840					
1100.	4.900	34.815	162.1	4.808					
1150.	4.830	34.848	171.2	4.734					
1200.	4.757	34.885	182.0	4.656					
1250.	4.714	34.912	193.5	4.610					
1300.	4.660	34.933	202.6	4.552					
1350.	4.629	34.947	208.7	4.516					
1400.	4.544	34.951	212.6	4.427					
1450.	4.420	34.970	221.8	4.300					
1500.	4.309	34.978	231.3	4.185					
1550.	4.222	34.979	234.9	4.095					
1600.	4.190	34.981	237.8	4.059					
1650.	4.120	34.985	242.3	3.984					
1700.	4.018	34.982	245.4	3.879					
1750.	3.907	34.980	247.2	3.765					
1800.	3.847	34.980	249.1	3.701					
1850.	3.763	34.977	250.3	3.613					
1900.	3.689	34.974	250.6	3.536					
1950.	3.614	34.971	251.8	3.457					
2000.	3.500	34.966	252.0	3.339					
2050.	3.422	34.962	252.2	3.258					
2100.	3.355	34.960	252.5	3.187					
2150.	3.297	34.956	252.7	3.126					
2200.	3.231	34.954	253.0	3.056					
2250.	3.155	34.951	253.0	2.977					
2300.	3.093	34.948	253.1	2.911					
2350.	3.052	34.947	253.7	2.866					
2400.	3.027	34.945	254.4	2.836					
2450.	2.991	34.943	254.5	2.796					
2500.	2.960	34.942	255.1	2.761					
2550.	2.938	34.940	255.5	2.734					
2600.	2.911	34.940	256.0	2.703					
2650.	2.893	34.938	256.3	2.680					
2700.	2.861	34.936	256.3	2.644					
2750.	2.806	34.933	257.0	2.585					
2800.	2.767	34.931	257.1	2.542					

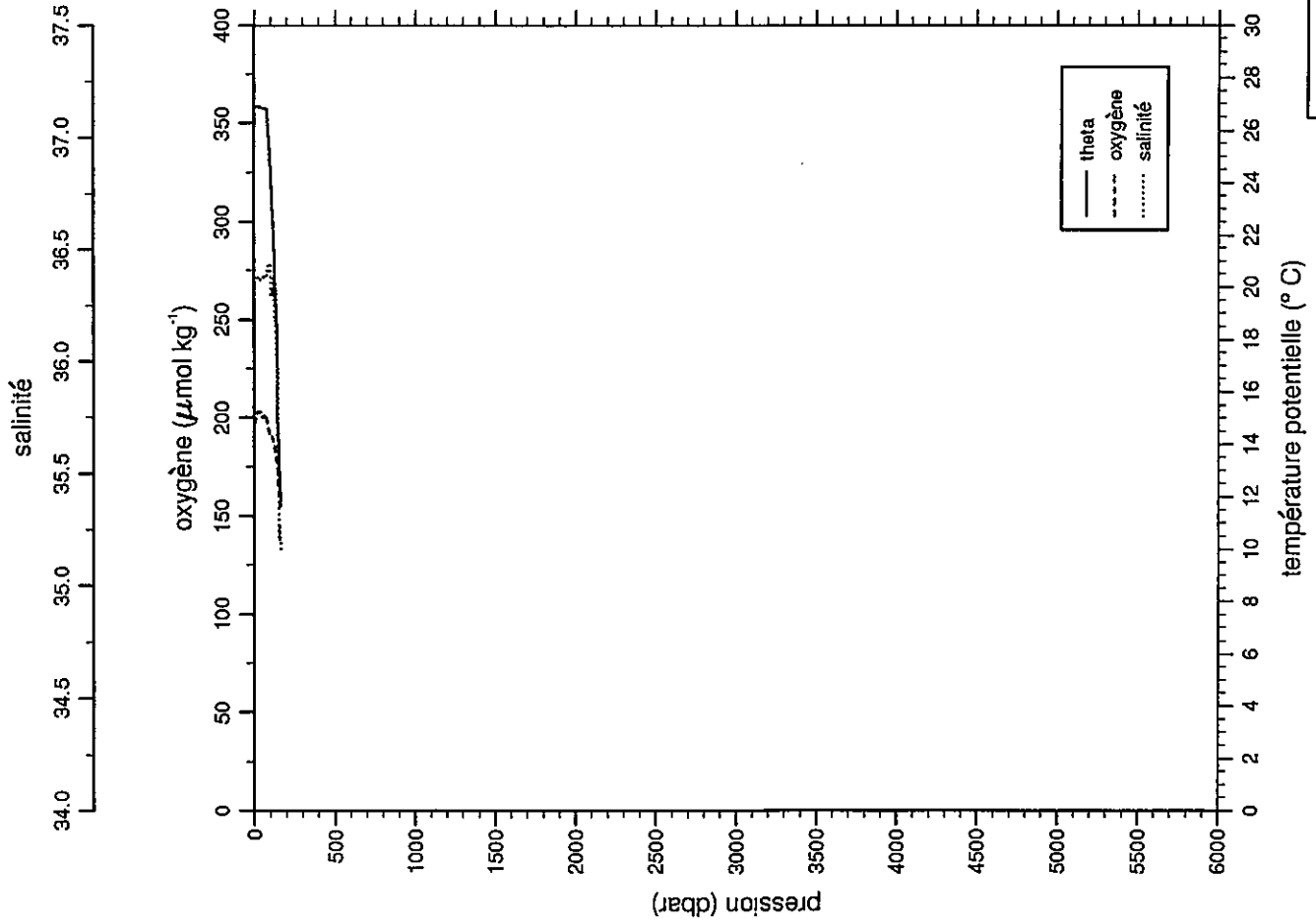


Station 119

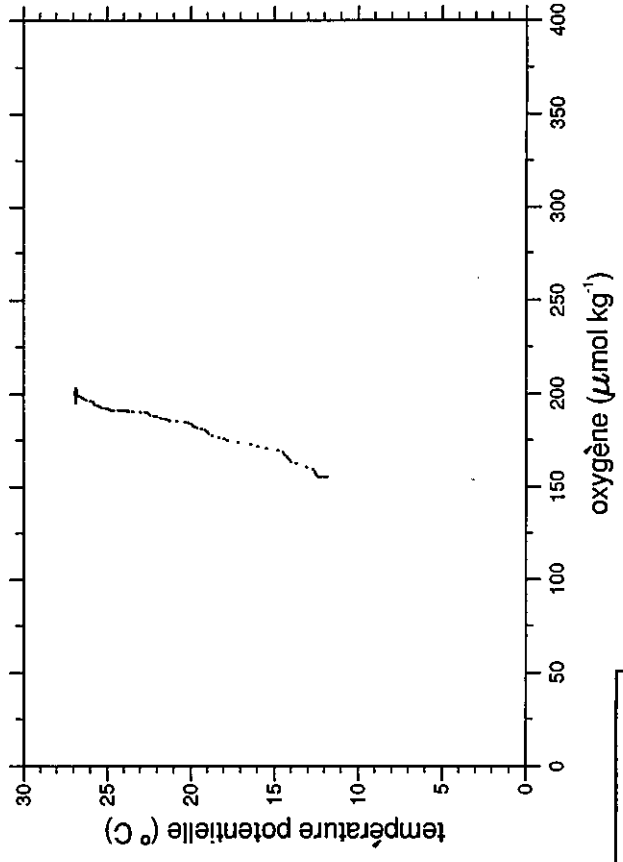
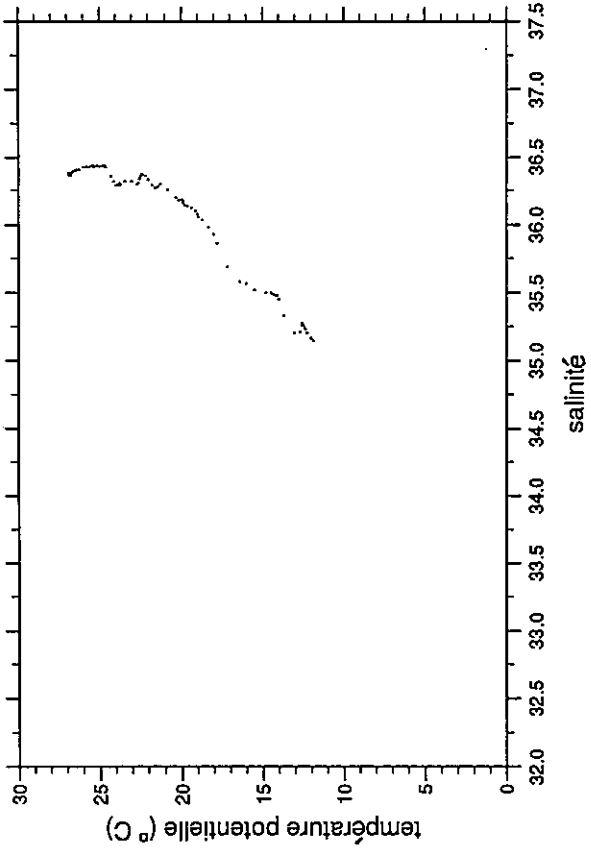


Station	: 120	Campagne	: CITHER1
Date	: 13-02-93	Navire	: L'ATALANTE
Profondeur:	208 m	Organisme	: IFREMER
Position	: N 5 45.63		
	W 51 18.70		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.882	36.376	198.7	26.882
2.	26.881	36.375	195.0	26.880
3.	26.879	36.374	195.7	26.878
4.	26.877	36.374	195.8	26.876
5.	26.874	36.374	196.7	26.873
10.	26.885	36.376	199.8	26.883
20.	26.877	36.372	202.7	26.873
30.	26.882	36.373	203.1	26.875
40.	26.840	36.365	202.3	26.831
50.	26.828	36.370	200.3	26.817
100.	24.616	36.423	191.1	24.594
150.	14.269	35.483	166.2	14.247
165.	11.852	35.144	155.3	11.831

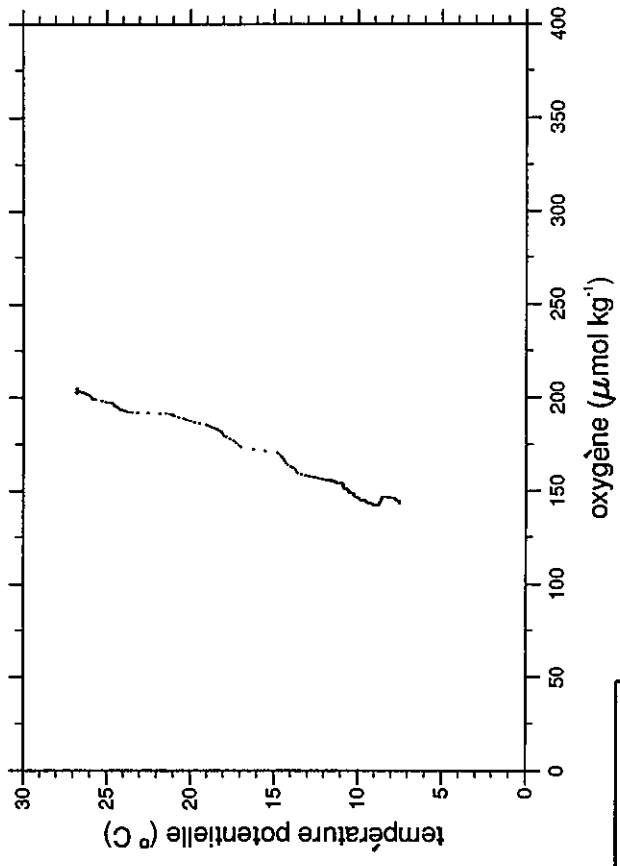
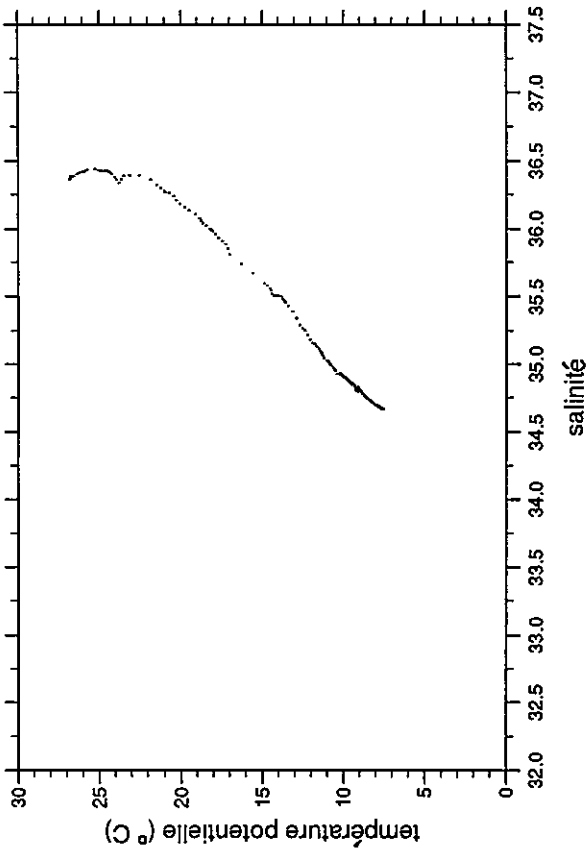
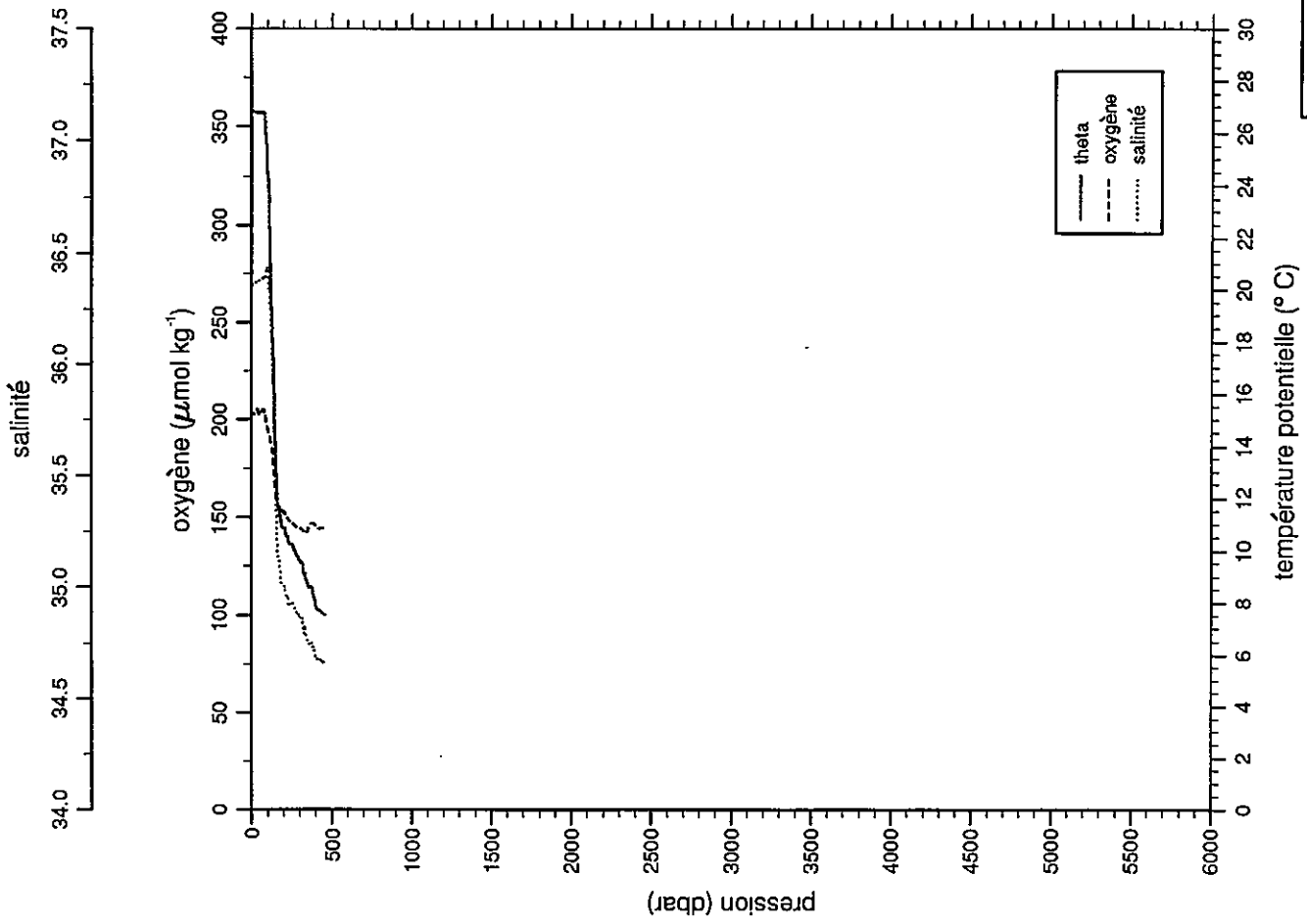


Station 120



Station	: 121	Campagne	: CITHER1
Date	: 13-02-93	Navire	: L'ATALANTE
Profondeur:	506 m	Organisme	: IFREMER
Position	: N 5 47.29		
	W 51 19.14		

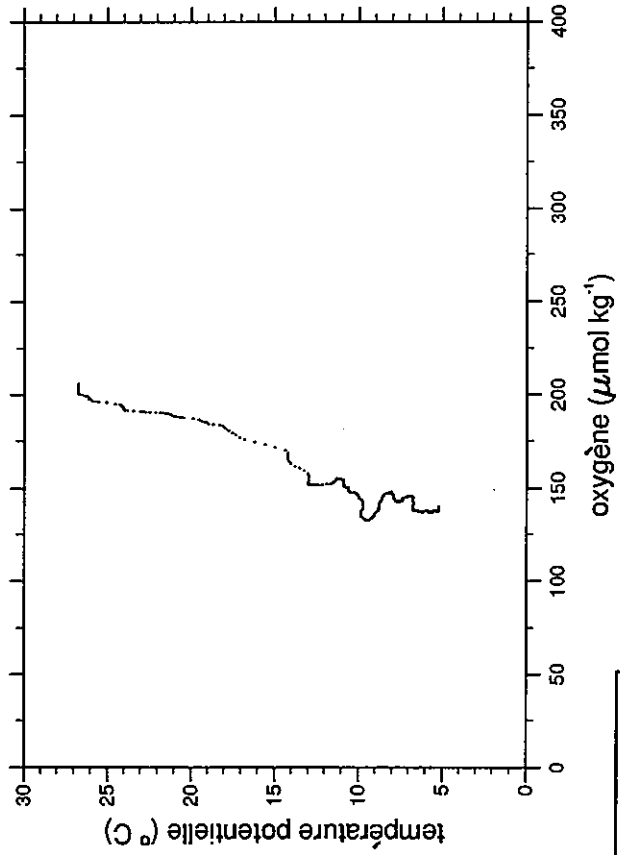
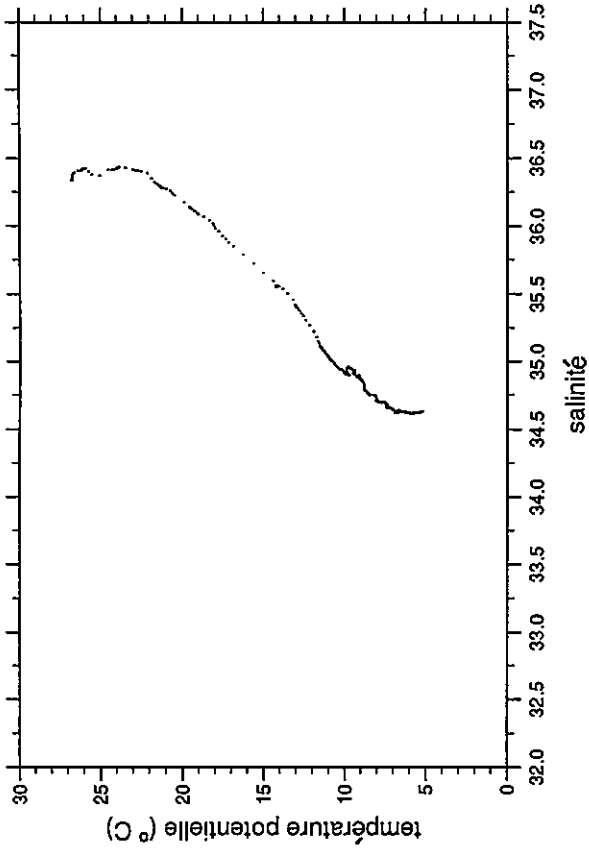
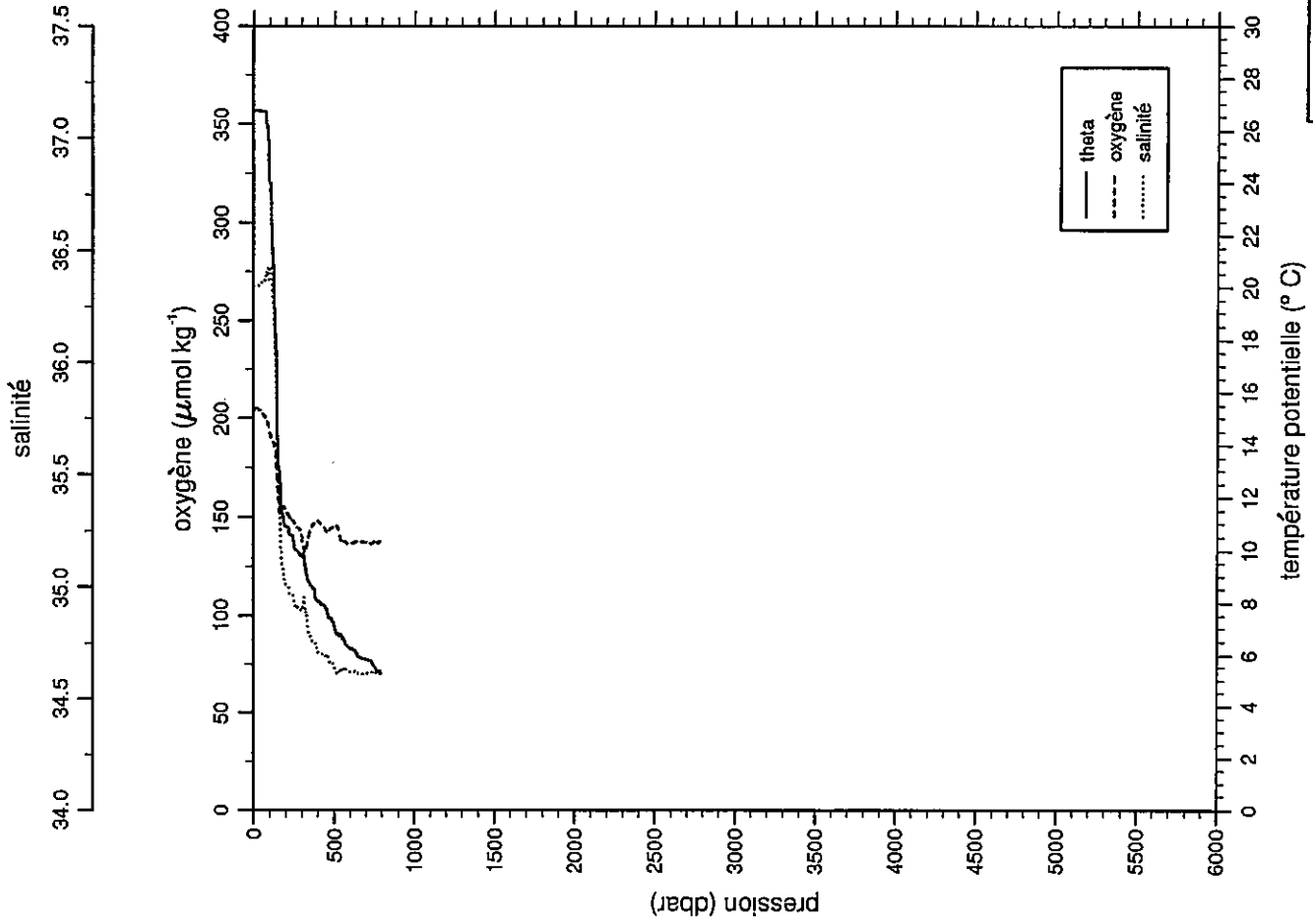
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.811	36.361	202.6	26.811
2.	26.804	36.361	202.4	26.803
3.	26.806	36.361	202.9	26.806
4.	26.810	36.361	202.7	26.809
5.	26.812	36.361	202.6	26.811
10.	26.813	36.361	202.6	26.811
20.	26.801	36.366	203.3	26.797
30.	26.786	36.370	204.6	26.779
40.	26.777	36.377	204.4	26.768
50.	26.774	36.378	202.7	26.762
100.	24.450	36.420	194.9	24.429
150.	13.747	35.481	161.3	13.726
200.	10.885	35.006	152.5	10.860
250.	10.256	34.929	147.4	10.226
300.	9.623	34.864	144.8	9.588
350.	8.725	34.757	143.9	8.687
400.	7.890	34.688	146.0	7.850
450.	7.597	34.666	144.6	7.552
457.	7.564	34.666	143.2	7.519



Station 121

Station	: 122	Campagne	: CITHER1
Date	: 13-02-93	Navire	: L'ATALANTE
Profondeur:	805 m	Organisme	: IFRIMER
Position	: N 5 48.30		
	W 51 18.17		

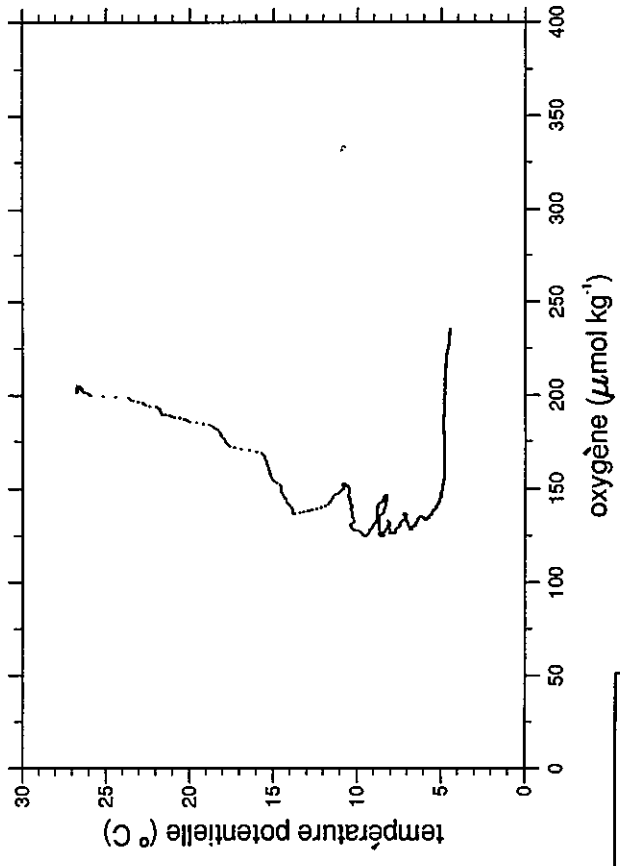
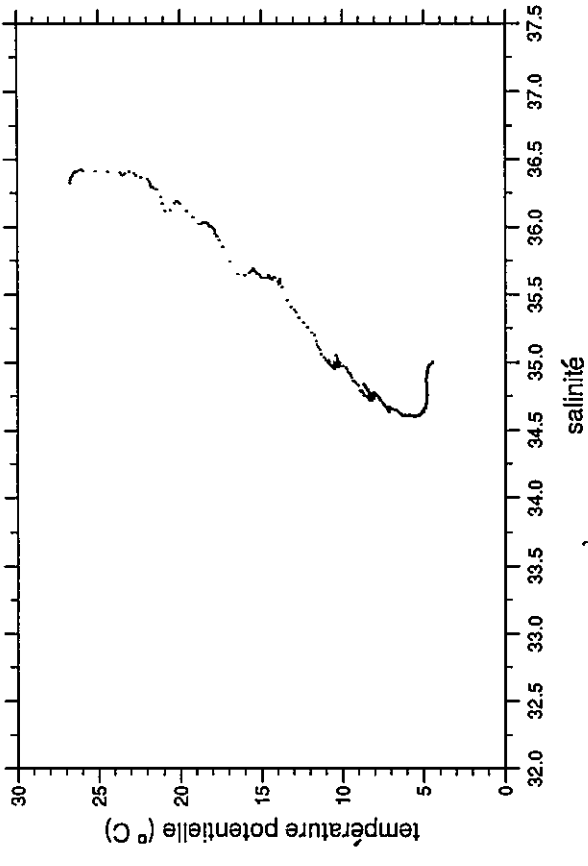
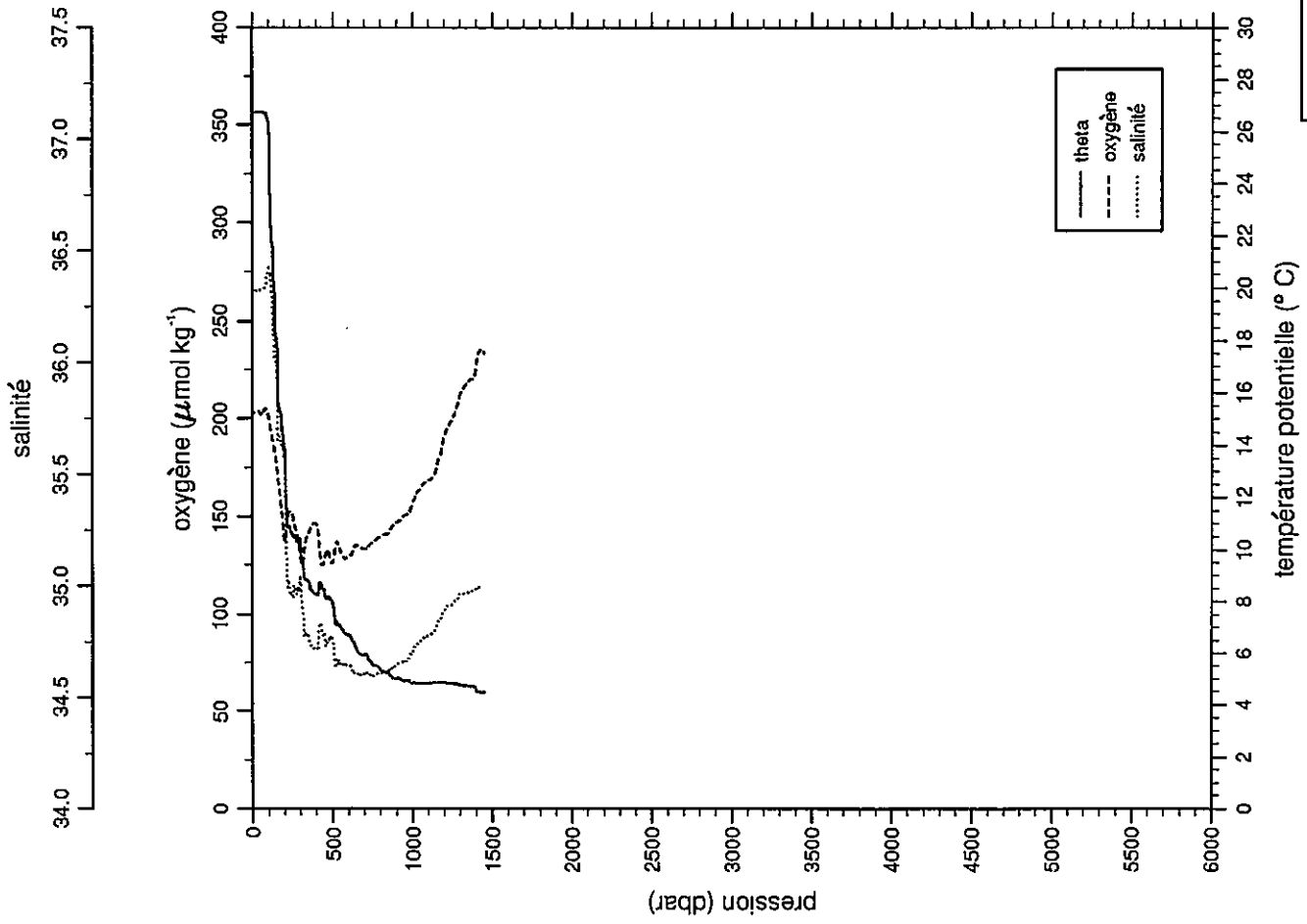
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	HAUTEUR DYN.
dbar	deg.cels.		um/kg	deg.cels.	m.dyn.
1.	26.758	36.337	205.7	26.758	1.195
2.	26.755	36.337	203.9	26.754	1.191
3.	26.756	36.337	204.1	26.756	1.187
4.	26.758	36.337	204.6	26.757	1.183
5.	26.759	36.337	204.9	26.758	1.179
10.	26.760	36.337	205.7	26.757	1.158
20.	26.761	36.340	205.6	26.757	1.117
30.	26.762	36.340	204.8	26.755	1.076
40.	26.763	36.341	204.2	26.753	1.035
50.	26.752	36.355	203.6	26.741	0.994
100.	24.052	36.420	193.0	24.031	0.798
150.	14.243	35.557	165.8	14.221	0.677
200.	10.917	35.014	153.3	10.892	0.611
250.	10.383	34.948	147.8	10.353	0.547
300.	9.765	34.898	140.9	9.730	0.486
350.	8.772	34.784	142.1	8.734	0.429
400.	8.087	34.713	148.1	8.045	0.374
450.	7.844	34.693	143.3	7.799	0.320
500.	7.151	34.651	145.1	7.103	0.268
550.	6.754	34.632	137.8	6.703	0.218
600.	6.302	34.619	137.1	6.247	0.171
650.	5.993	34.614	137.8	5.936	0.125
700.	5.892	34.613	137.5	5.830	0.080
750.	5.622	34.614	137.7	5.557	0.036
793.	5.304	34.628	140.0	5.237	0.000



Station 122

Station	: 123	Campagne	: CITHER1
Date	: 14-02-93	Navire	: L'ATALANTE
Profondeur:	1278 m	Organisme	: IFREMER
Position	: N 5 49.22		
	W 51 14.72		

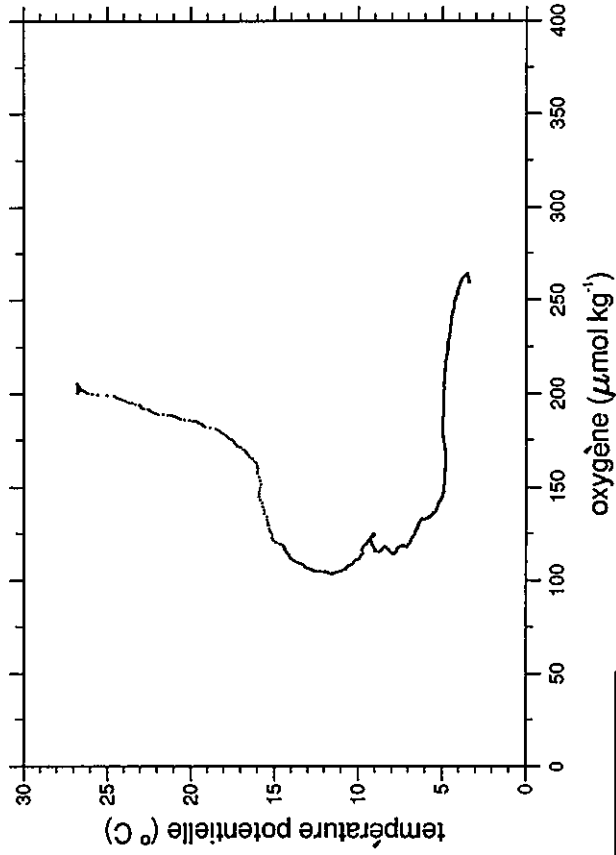
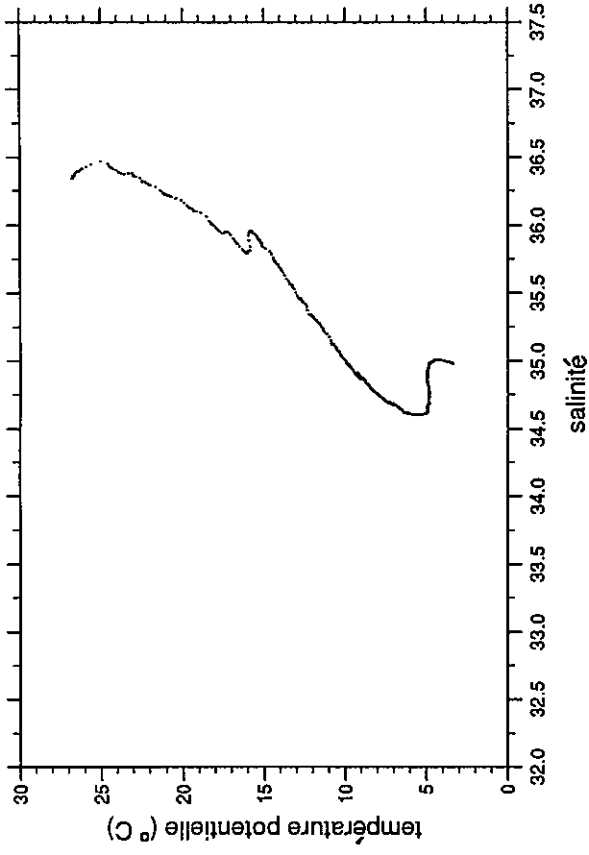
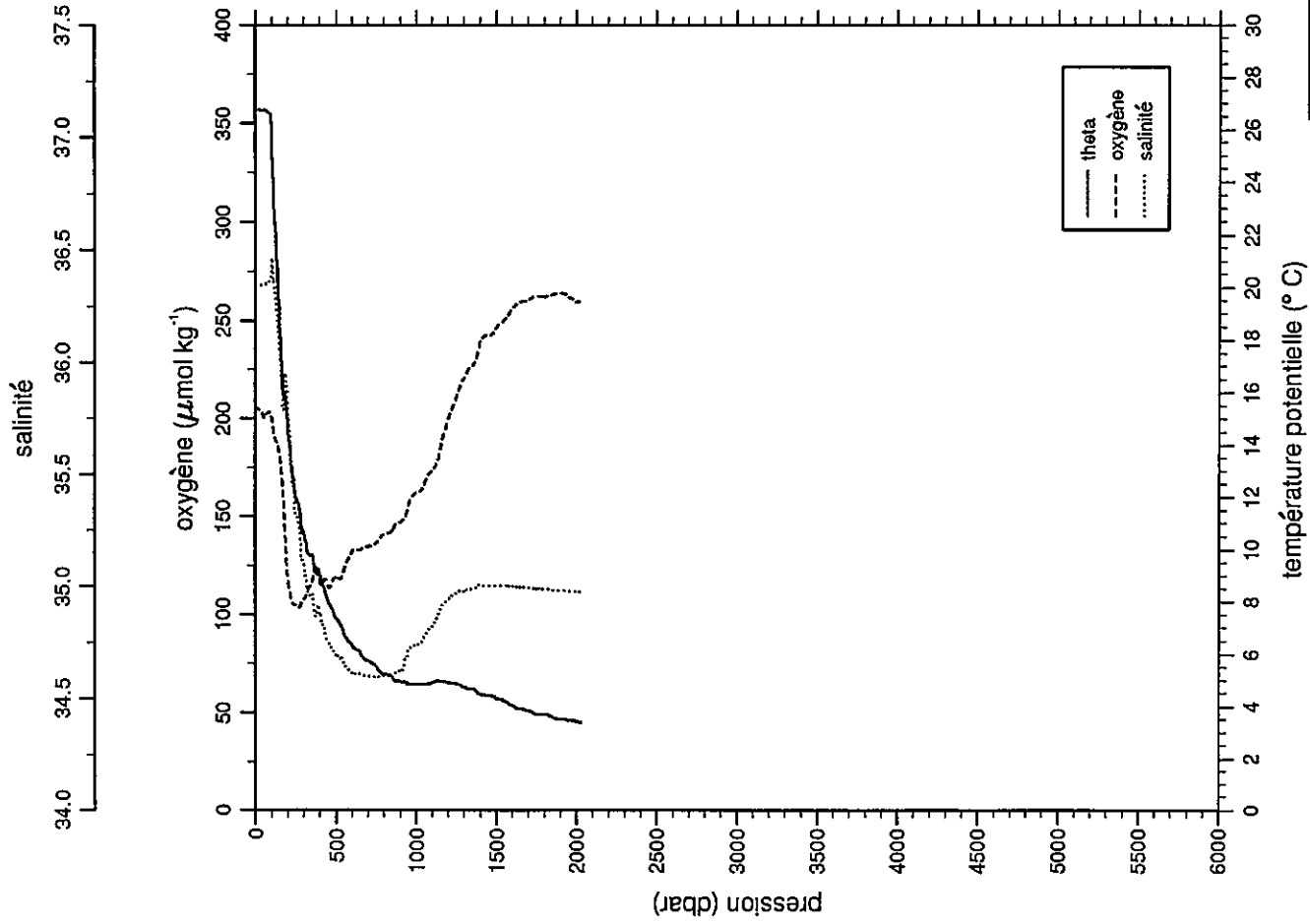
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.736	36.324	202.7	26.736
2.	26.732	36.324	202.0	26.731
3.	26.734	36.324	201.8	26.733
4.	26.735	36.324	202.4	26.734
5.	26.735	36.324	202.7	26.734
10.	26.738	36.323	202.8	26.736
20.	26.740	36.323	203.0	26.736
30.	26.743	36.323	203.2	26.736
40.	26.742	36.323	203.6	26.733
50.	26.746	36.324	202.5	26.735
100.	26.350	36.408	201.7	26.327
150.	18.052	35.998	177.3	18.026
200.	13.875	35.611	137.5	13.846
250.	10.549	34.955	151.1	10.519
300.	10.368	35.024	129.2	10.332
350.	8.797	34.776	140.9	8.759
400.	8.281	34.716	146.2	8.239
450.	8.406	34.780	127.3	8.359
500.	7.999	34.761	126.1	7.947
550.	7.036	34.654	132.1	6.983
600.	6.754	34.643	129.4	6.697
650.	6.217	34.610	135.2	6.158
700.	5.972	34.605	133.2	5.910
750.	5.618	34.595	136.6	5.553
800.	5.381	34.604	139.7	5.313
850.	5.288	34.616	141.6	5.216
900.	5.087	34.644	147.0	5.012
950.	4.973	34.660	150.6	4.894
1000.	4.907	34.707	156.5	4.824
1050.	4.886	34.756	164.7	4.798
1100.	4.904	34.779	168.5	4.812
1150.	4.921	34.826	174.7	4.824
1200.	4.932	34.896	191.3	4.830
1250.	4.904	34.918	199.7	4.797
1300.	4.837	34.965	212.4	4.726
1350.	4.814	34.973	218.7	4.699
1400.	4.649	34.993	227.4	4.531
1450.	4.576	34.999	233.6	4.454



Station 123

Station	: 124	Campagne	: CITHER1
Date	: 14-02-93	Navire	: L'ATALANTE
Profondeur:	2000 m	Organisme	: IFREMER
Position	: N 5 55.20		
	W 51 14.83		

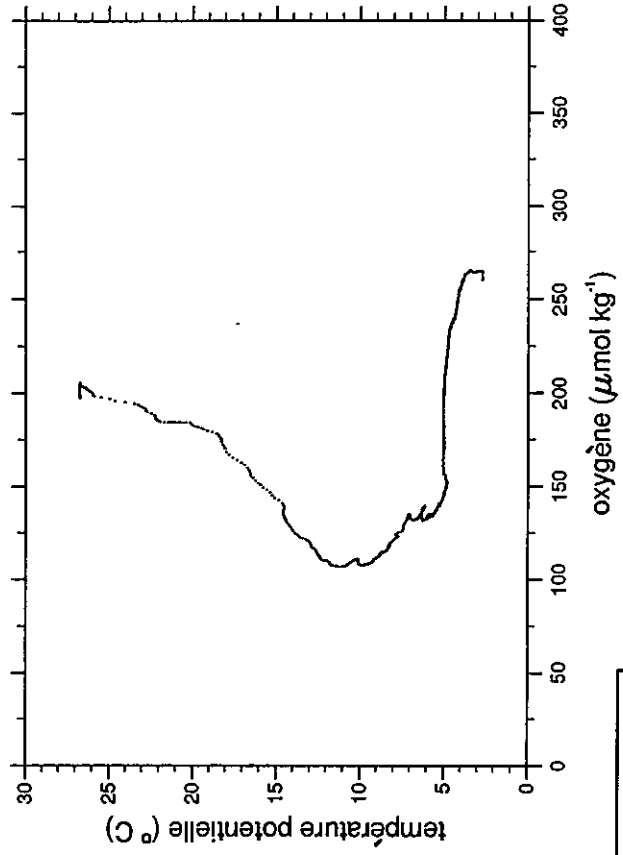
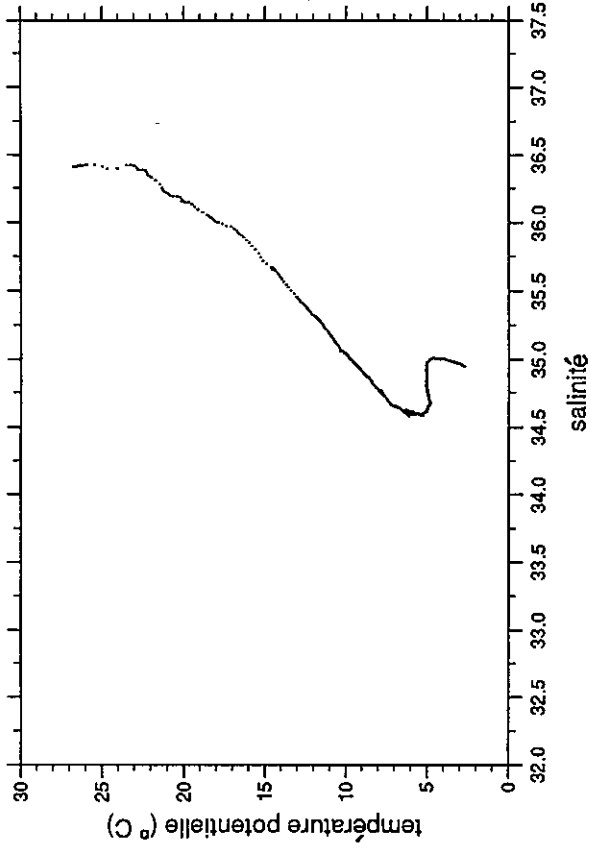
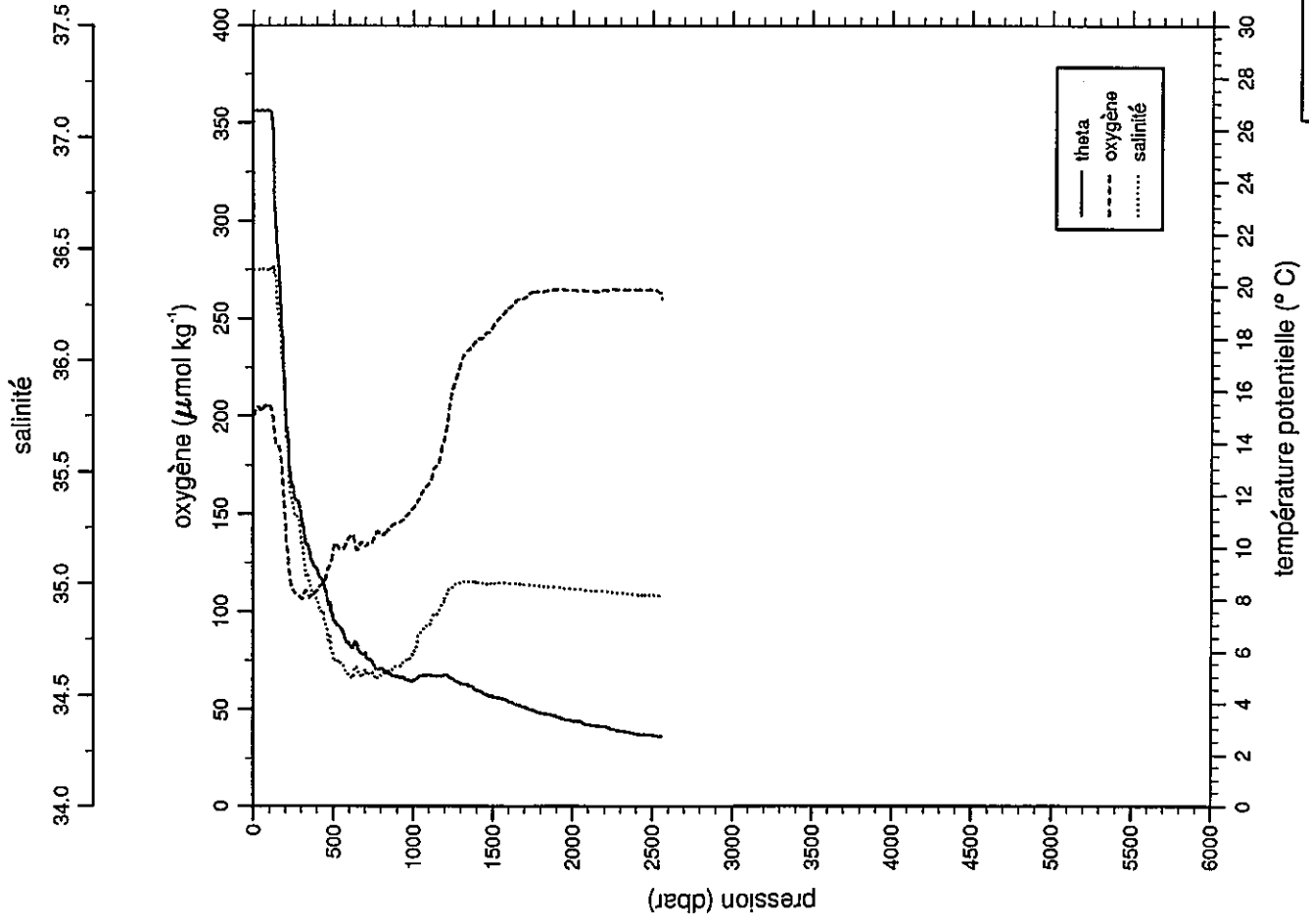
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.774	36.347	205.4	26.774
2.	26.774	36.347	205.6	26.774
3.	26.772	36.348	205.2	26.771
4.	26.772	36.348	205.3	26.771
5.	26.772	36.347	205.4	26.771
10.	26.776	36.347	205.1	26.774
20.	26.779	36.347	204.7	26.775
30.	26.770	36.345	204.4	26.764
40.	26.760	36.344	203.4	26.751
50.	26.765	36.345	201.0	26.753
100.	26.190	36.412	200.4	26.168
150.	18.879	36.089	181.7	18.852
200.	14.678	35.804	119.6	14.648
250.	11.995	35.323	104.7	11.962
300.	10.669	35.109	107.8	10.632
350.	9.797	34.966	115.8	9.757
400.	9.022	34.875	116.6	8.978
450.	8.066	34.754	114.8	8.019
500.	7.390	34.693	119.0	7.341
550.	6.832	34.661	122.7	6.780
600.	6.385	34.613	131.6	6.331
650.	6.138	34.612	132.7	6.080
700.	5.779	34.599	134.5	5.718
750.	5.574	34.599	136.1	5.509
800.	5.294	34.603	140.9	5.226
850.	5.197	34.605	142.5	5.126
900.	5.014	34.621	146.9	4.940
950.	4.941	34.719	154.7	4.862
1000.	4.905	34.741	162.0	4.822
1050.	4.911	34.779	166.5	4.824
1100.	4.981	34.824	173.4	4.888
1150.	5.053	34.894	183.8	4.954
1200.	4.990	34.945	199.9	4.887
1250.	4.950	34.969	210.7	4.843
1300.	4.825	34.981	221.0	4.715
1350.	4.774	34.992	226.9	4.659
1400.	4.575	35.005	239.3	4.458
1450.	4.524	35.005	242.3	4.403
1500.	4.413	35.004	246.5	4.288
1550.	4.330	35.004	250.5	4.202
1600.	4.169	35.001	256.4	4.038
1650.	4.038	34.998	259.6	3.903
1700.	3.971	34.996	260.8	3.832
1750.	3.839	34.992	262.6	3.698
1800.	3.826	34.991	262.4	3.680
1850.	3.709	34.987	263.4	3.560
1900.	3.647	34.984	264.0	3.494
1950.	3.609	34.982	261.9	3.452
2000.	3.582	34.981	259.6	3.421
2025.	3.527	34.978	259.7	3.364



Station 124

Station : 125 Campagne : CITHER1
 Date : 14-02-93 Navire : L'ATALANTE
 Profondeur: 2557 m Organisme : IFREMER
 Position : N 6 5.90
 W 51 15.81

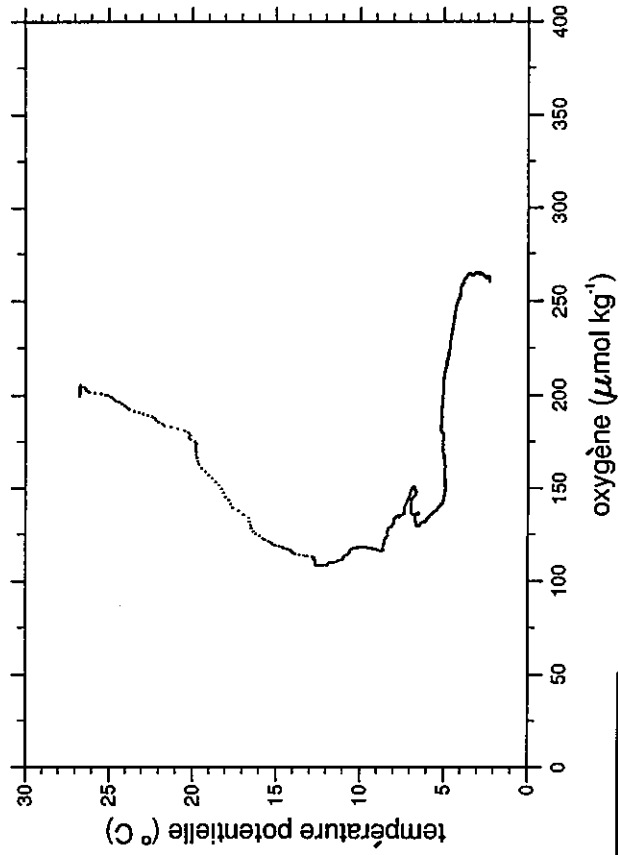
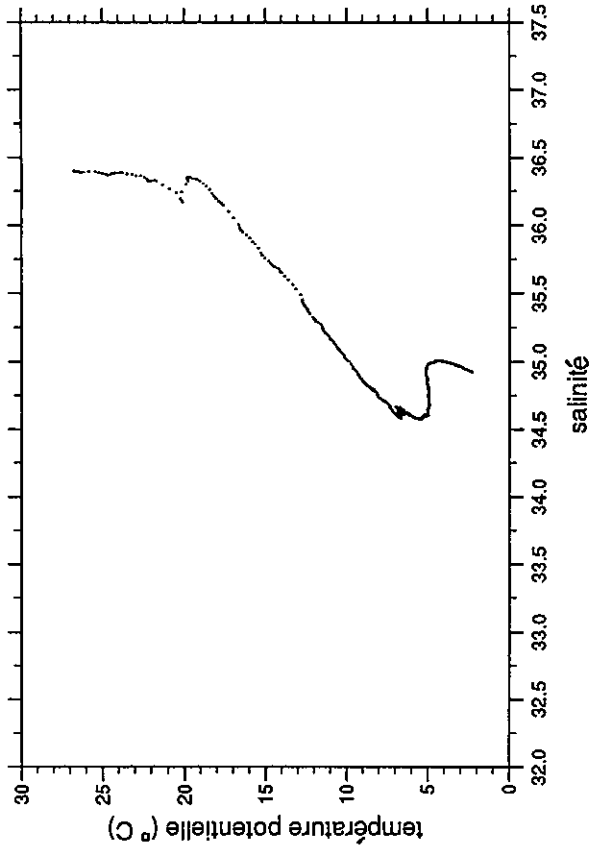
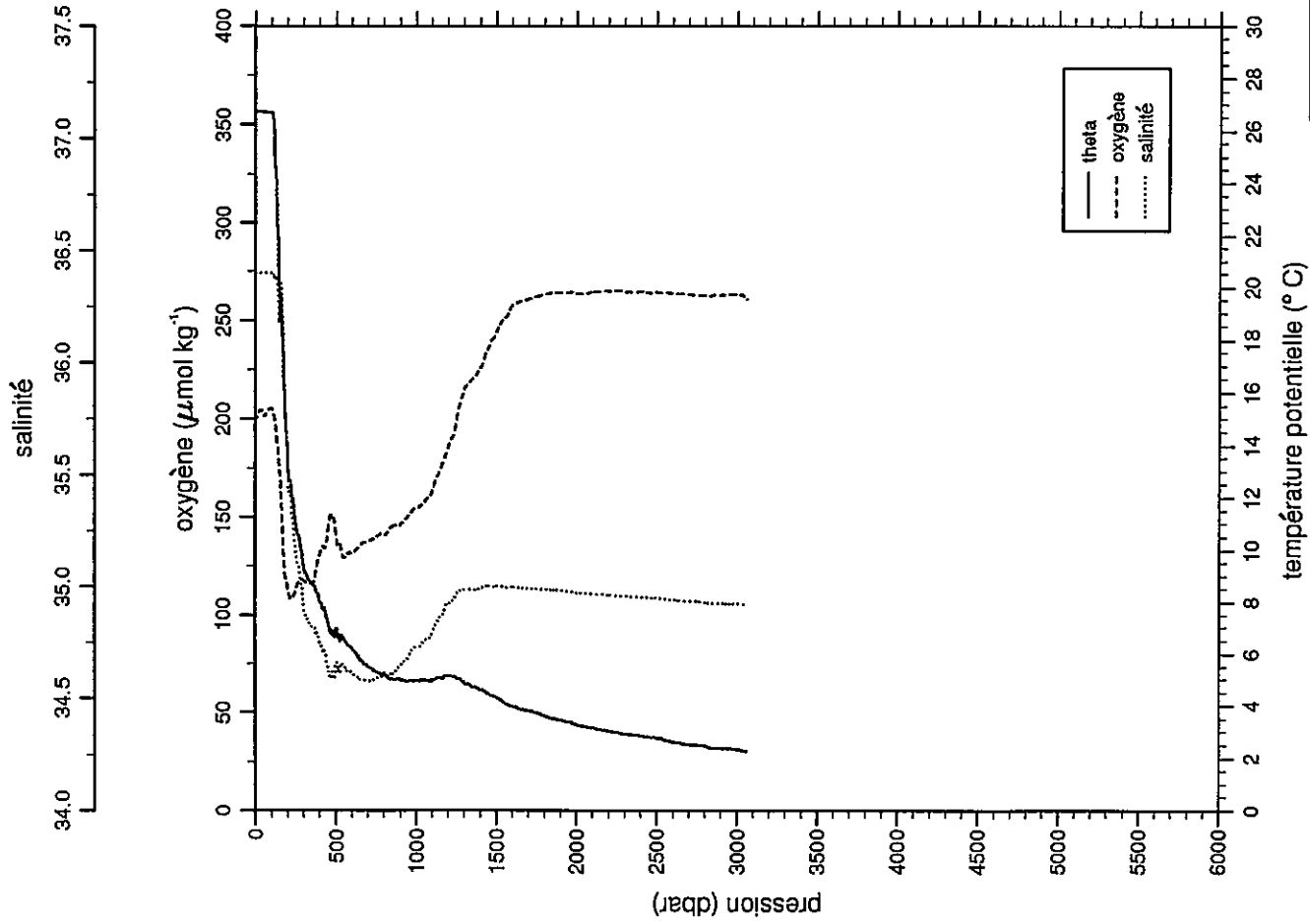
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.742	36.408	200.4	26.742
2.	26.739	36.408	197.5	26.739
3.	26.739	36.408	197.6	26.738
4.	26.740	36.408	198.0	26.740
5.	26.743	36.408	199.0	26.741
10.	26.743	36.407	201.9	26.741
20.	26.744	36.407	204.5	26.740
30.	26.749	36.408	204.6	26.742
40.	26.753	36.409	204.4	26.744
50.	26.753	36.408	202.7	26.742
100.	26.757	36.408	205.3	26.734
150.	21.274	36.239	184.2	21.245
200.	15.591	35.799	148.1	15.560
250.	12.358	35.360	111.0	12.325
300.	11.166	35.207	106.8	11.129
350.	9.897	35.018	107.5	9.856
400.	9.163	34.925	111.0	9.118
450.	8.436	34.828	116.0	8.388
500.	7.298	34.668	131.4	7.249
550.	6.884	34.645	131.9	6.832
600.	6.343	34.594	137.8	6.289
650.	6.309	34.623	131.6	6.250
700.	5.984	34.615	133.6	5.922
750.	5.592	34.596	136.3	5.527
800.	5.361	34.592	139.7	5.293
850.	5.197	34.606	142.1	5.126
900.	5.076	34.629	145.1	5.001
950.	4.989	34.659	148.0	4.911
1000.	4.920	34.689	152.9	4.837
1050.	5.120	34.786	159.6	5.030
1100.	5.152	34.817	165.5	5.058
1150.	5.121	34.865	175.0	5.022
1200.	5.164	34.936	189.4	5.060
1250.	5.013	34.989	213.7	4.906
1300.	4.841	35.008	227.3	4.730
1350.	4.765	35.010	234.2	4.650
1400.	4.595	35.005	238.9	4.477
1450.	4.469	35.001	241.4	4.349
1500.	4.386	35.003	245.8	4.262
1550.	4.306	35.004	251.0	4.178
1600.	4.201	35.002	255.3	4.070
1650.	4.065	35.000	259.6	3.930
1700.	3.974	34.996	260.7	3.836
1750.	3.867	34.993	263.4	3.725
1800.	3.767	34.990	264.0	3.622
1850.	3.715	34.988	264.1	3.566
1900.	3.633	34.984	265.0	3.480
1950.	3.525	34.979	264.7	3.369
2000.	3.481	34.977	264.4	3.321
2050.	3.450	34.976	264.3	3.286
2100.	3.335	34.969	264.2	3.168
2150.	3.297	34.967	263.8	3.126
2200.	3.277	34.966	264.3	3.101
2250.	3.178	34.962	265.0	2.999
2300.	3.107	34.959	264.7	2.924
2350.	3.071	34.957	264.7	2.885
2400.	2.995	34.952	264.7	2.805
2450.	2.989	34.951	264.5	2.794
2500.	2.966	34.950	264.8	2.766
2550.	2.924	34.948	263.0	2.721
2558.	2.925	34.948	260.1	2.721



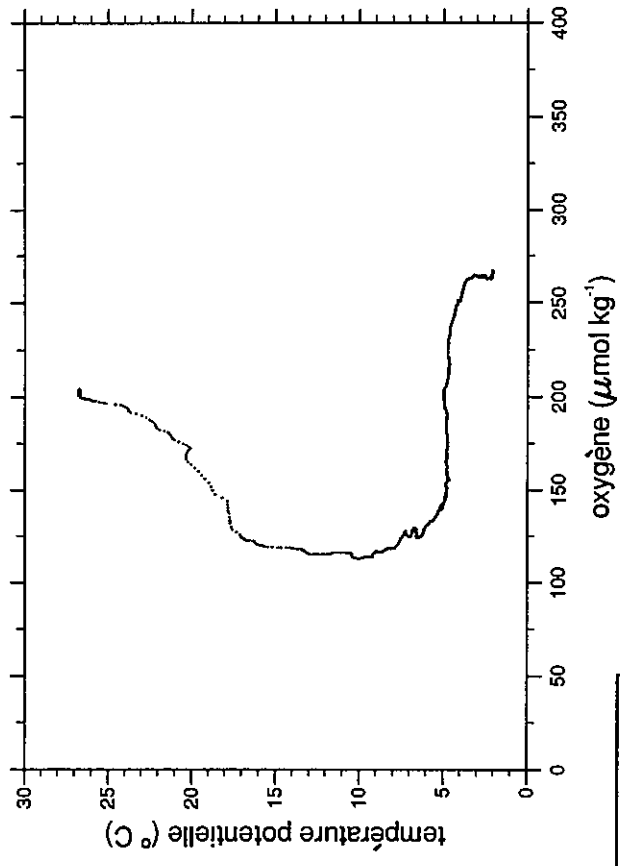
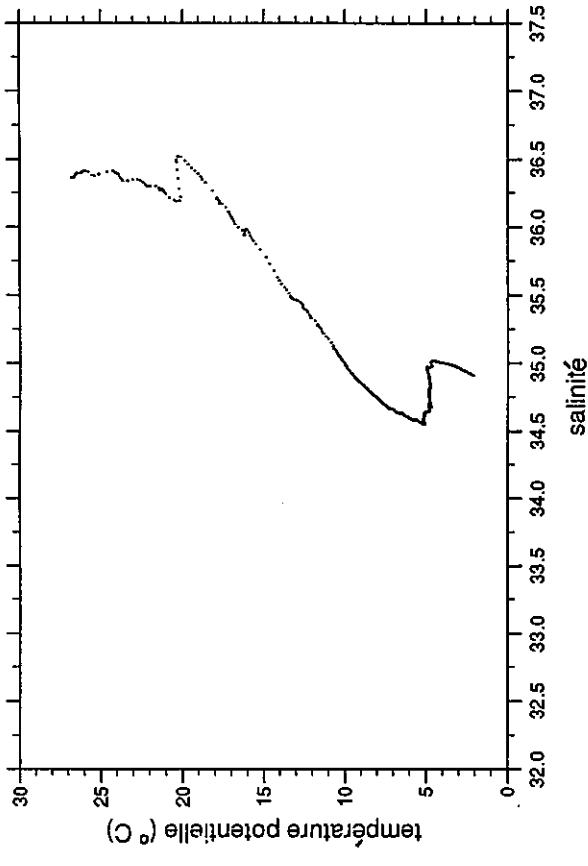
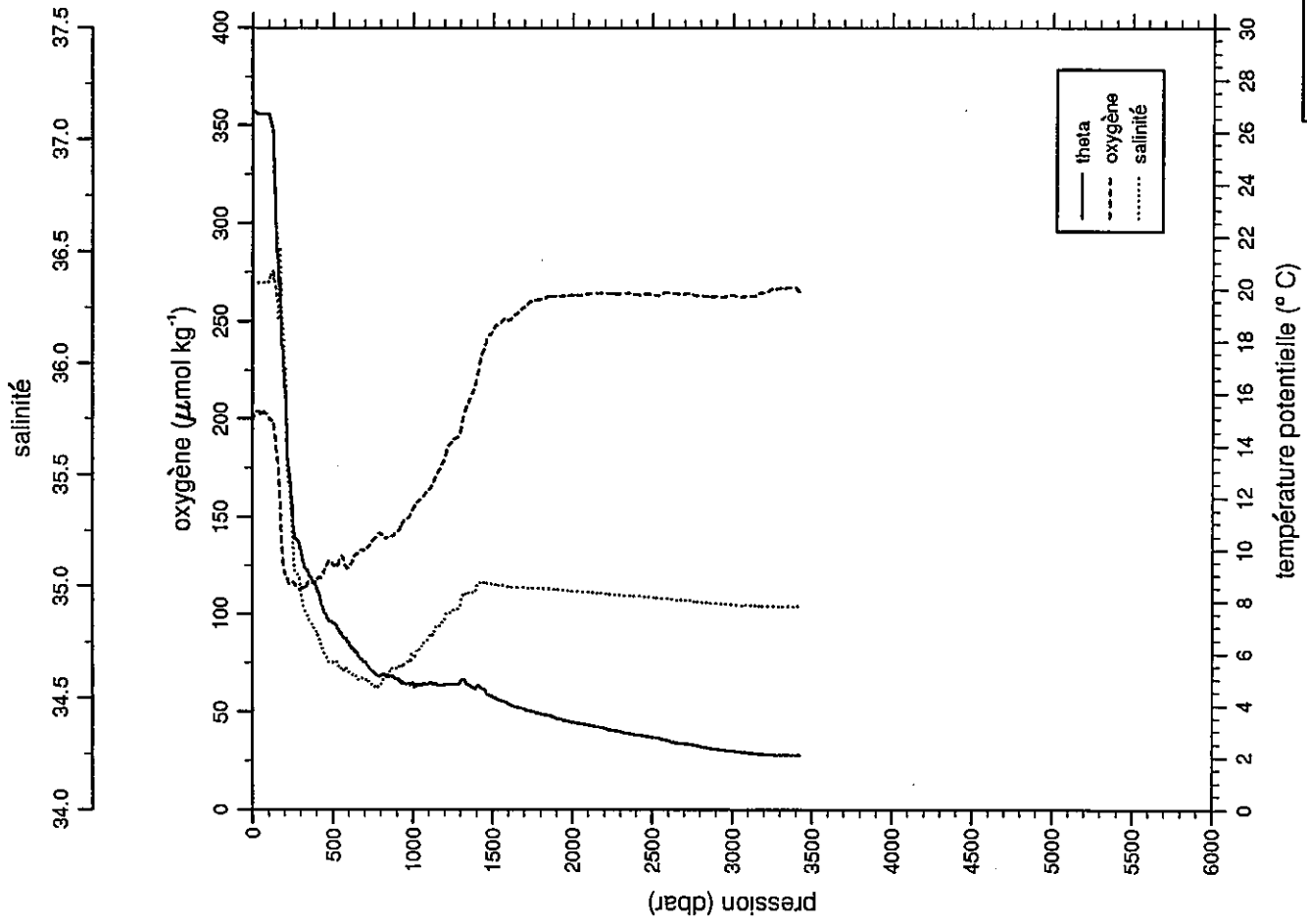
Station 125

Station : 126 Campagne : CITEHRI
 Date : 14-02-93 Navire : L'ATALANTE
 Profondeur: 3001 m Organisme : IFREMER
 Position : N 6 13.29
 W 51 2.98

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.763	36.399	200.1	26.762	2850.	2.619	34.928	262.7	2.392
2.	26.760	36.400	199.4	26.759	2900.	2.621	34.927	262.7	2.389
3.	26.761	36.400	199.7	26.760	2950.	2.615	34.926	263.2	2.378
4.	26.763	36.400	200.0	26.762	3000.	2.604	34.925	262.9	2.362
5.	26.764	36.400	200.0	26.762	3050.	2.537	34.922	261.2	2.291
10.	26.764	36.399	201.4	26.762	3061.	2.537	34.922	260.5	2.290
20.	26.740	36.399	203.0	26.736					
30.	26.739	36.398	204.4	26.732					
40.	26.740	36.399	204.1	26.730					
50.	26.740	36.399	202.6	26.729					
100.	26.733	36.398	205.3	26.710					
150.	19.782	36.319	174.2	19.755					
200.	13.620	35.598	114.2	13.592					
250.	11.044	35.168	112.1	11.013					
300.	9.364	34.908	117.5	9.330					
350.	8.754	34.822	116.2	8.716					
400.	8.036	34.736	131.1	7.995					
450.	7.279	34.647	141.6	7.235					
500.	7.003	34.663	142.3	6.956					
550.	6.612	34.642	129.3	6.561					
600.	6.234	34.613	131.6	6.180					
650.	5.853	34.586	135.2	5.796					
700.	5.545	34.573	137.6	5.485					
750.	5.364	34.589	139.9	5.300					
800.	5.300	34.606	140.8	5.232					
850.	5.068	34.608	145.1	4.997					
900.	5.067	34.644	145.8	4.992					
950.	5.002	34.681	150.4	4.923					
1000.	5.036	34.726	154.6	4.952					
1050.	5.055	34.760	157.6	4.967					
1100.	5.061	34.802	162.9	4.967					
1150.	5.138	34.866	174.6	5.039					
1200.	5.234	34.923	185.9	5.129					
1250.	5.166	34.967	198.4	5.058					
1300.	4.983	34.990	214.5	4.871					
1350.	4.844	34.988	220.4	4.729					
1400.	4.740	34.993	225.7	4.621					
1450.	4.601	35.003	236.1	4.479					
1500.	4.464	35.006	243.7	4.339					
1550.	4.239	35.000	251.2	4.112					
1600.	4.097	34.999	257.5	3.966					
1650.	3.990	34.996	259.5	3.856					
1700.	3.943	34.995	260.6	3.805					
1750.	3.874	34.993	261.9	3.732					
1800.	3.764	34.989	263.3	3.619					
1850.	3.657	34.985	264.4	3.509					
1900.	3.599	34.983	264.2	3.447					
1950.	3.554	34.981	264.2	3.398					
2000.	3.447	34.975	263.5	3.288					
2050.	3.388	34.972	263.7	3.225					
2100.	3.316	34.970	264.2	3.149					
2150.	3.261	34.967	265.0	3.091					
2200.	3.209	34.965	265.1	3.034					
2250.	3.152	34.962	265.0	2.973					
2300.	3.102	34.958	264.7	2.919					
2350.	3.077	34.957	264.5	2.890					
2400.	3.031	34.955	264.6	2.840					
2450.	2.994	34.952	264.0	2.799					
2500.	2.961	34.950	264.3	2.762					
2550.	2.886	34.946	264.1	2.683					
2600.	2.834	34.942	263.8	2.628					
2650.	2.794	34.939	263.4	2.583					
2700.	2.741	34.936	263.1	2.526					
2750.	2.730	34.935	262.6	2.511					
2800.	2.703	34.932	262.4	2.479					



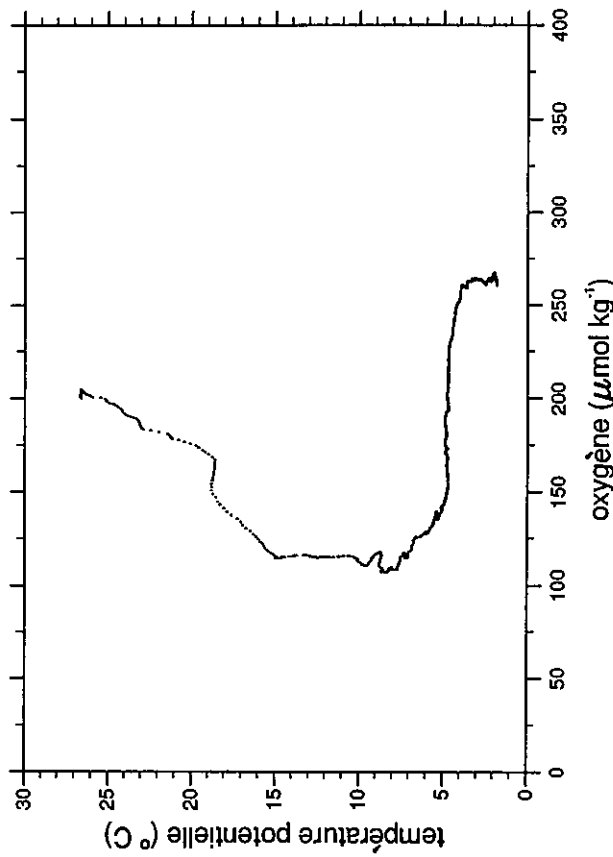
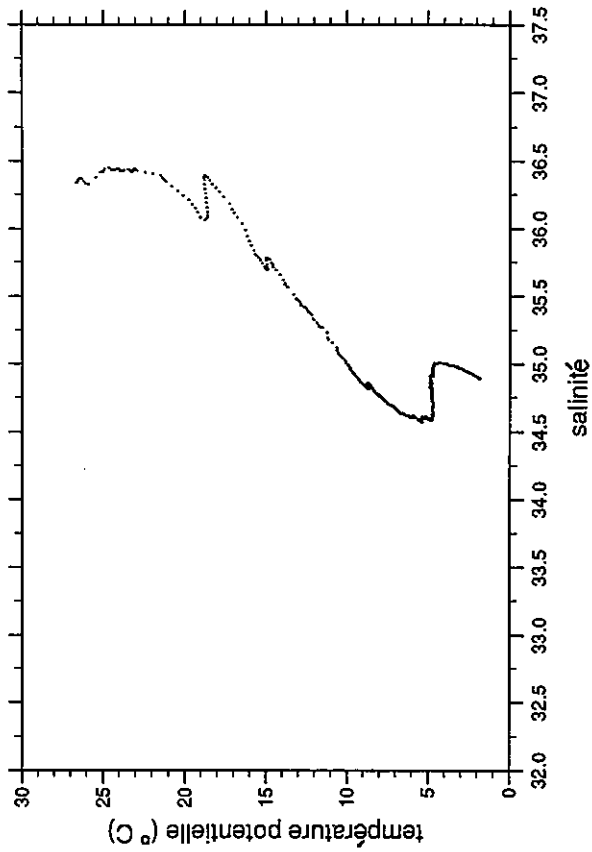
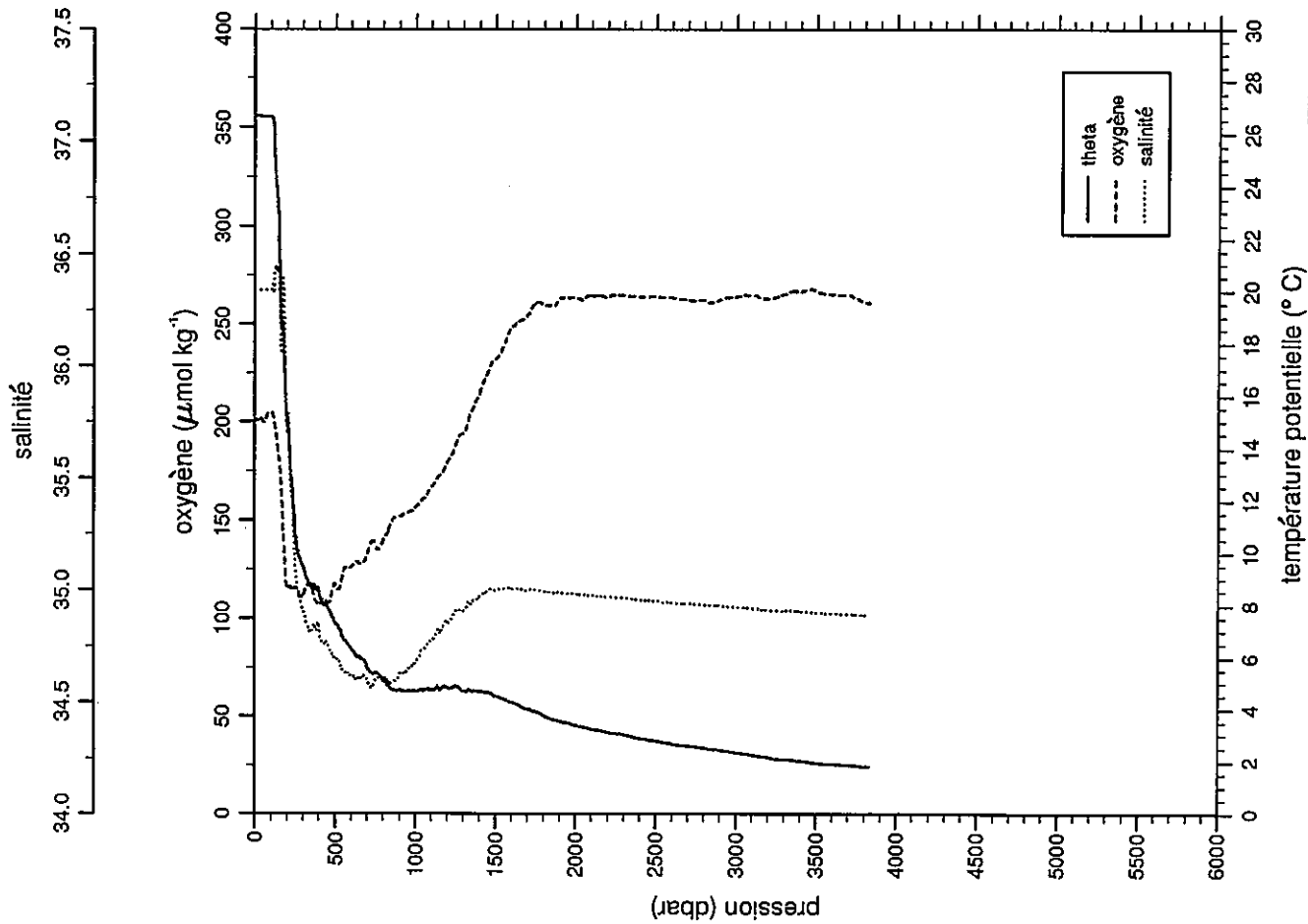
Station 126



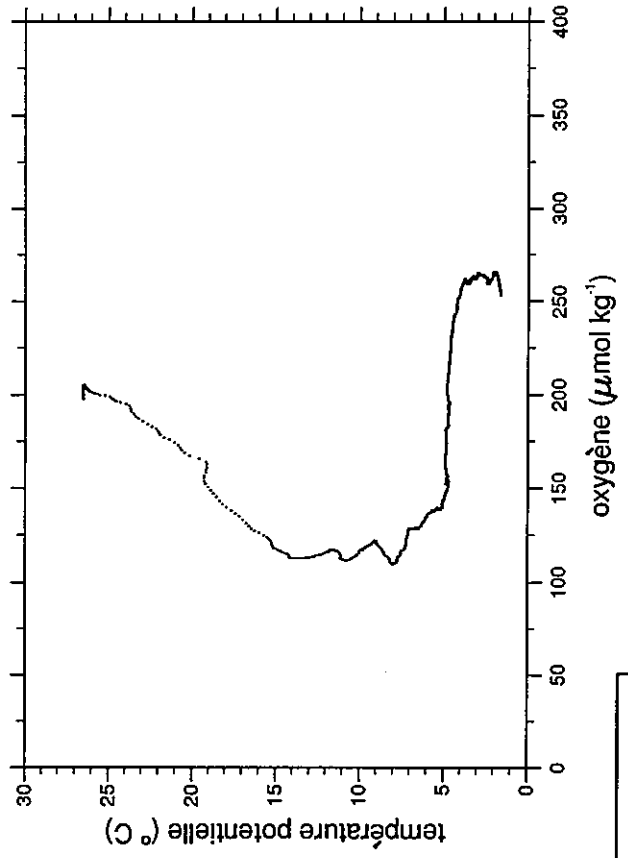
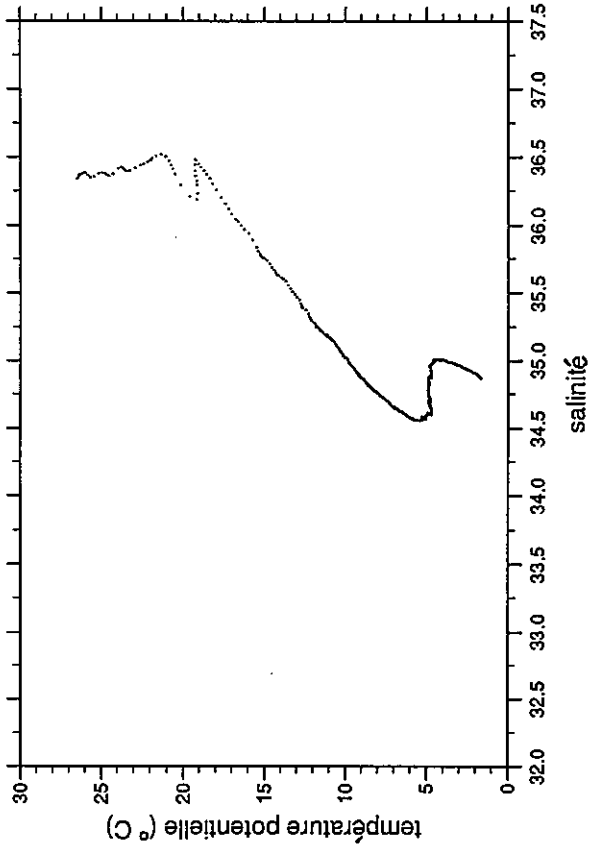
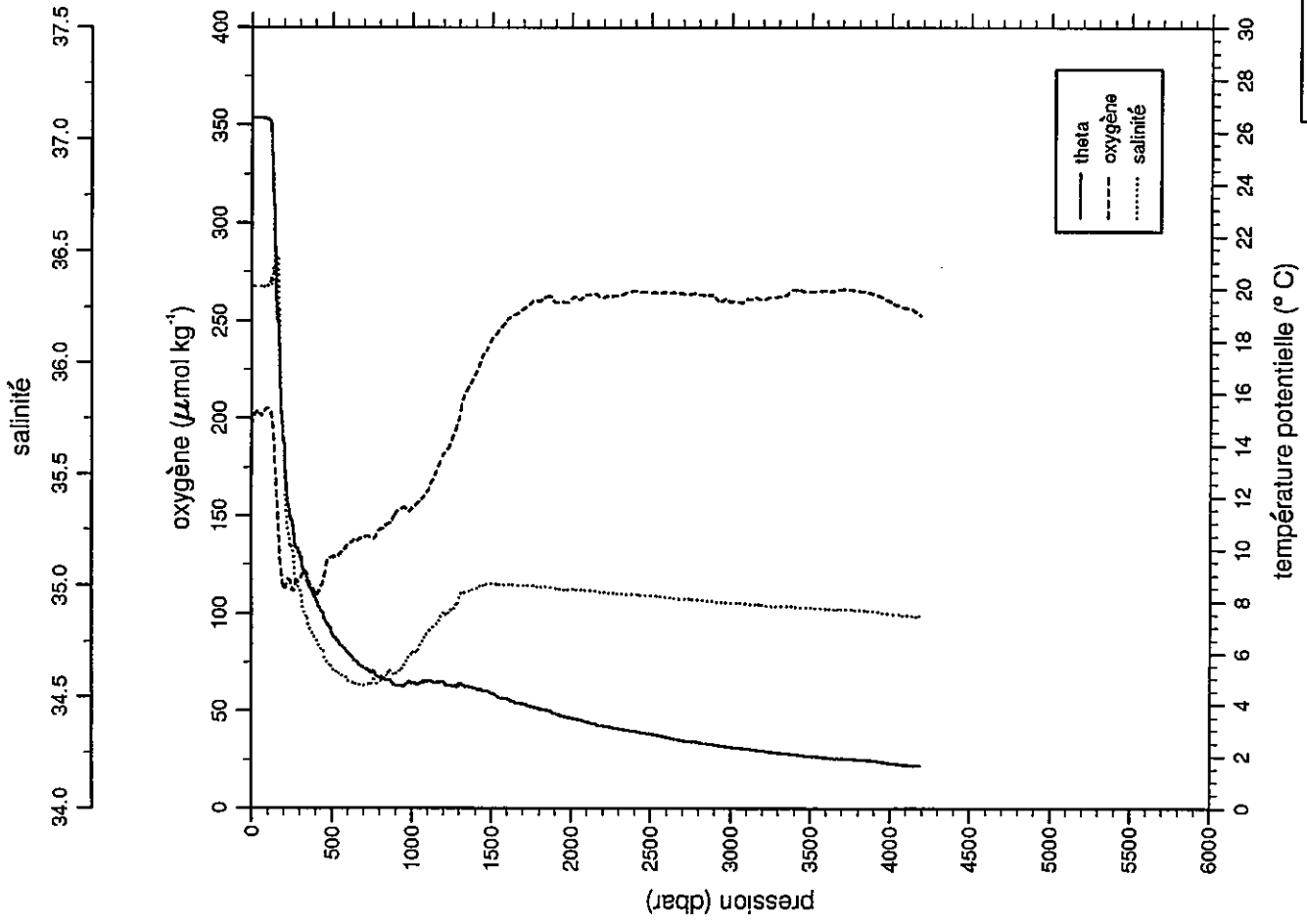
Station 127

Station : 128 Campagne : CITHER1
 Date : 15-02-93 Navire : L'ATALANTE
 Profondeur: 3818 m Organisme : IFREMER
 Position : N 6 40.38
 W 50 40.14

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.666	36.336	201.0	26.666	2850.	2.716	34.933	260.7	2.487
2.	26.666	36.336	200.6	26.666	2900.	2.681	34.932	262.4	2.447
3.	26.663	36.336	200.7	26.663	2950.	2.646	34.929	263.5	2.408
4.	26.665	36.336	200.9	26.664	3000.	2.593	34.926	263.9	2.351
5.	26.666	36.336	201.1	26.664	3050.	2.558	34.923	264.9	2.312
10.	26.667	36.336	201.0	26.665	3100.	2.509	34.920	264.3	2.258
20.	26.669	36.336	200.9	26.665	3150.	2.479	34.917	263.6	2.224
30.	26.670	36.336	201.2	26.663	3200.	2.430	34.913	262.7	2.171
40.	26.665	36.336	201.7	26.656	3250.	2.379	34.910	263.5	2.116
50.	26.655	36.335	200.5	26.644	3300.	2.362	34.910	265.0	2.094
100.	26.655	36.336	204.7	26.632	3350.	2.348	34.910	266.7	2.076
150.	22.458	36.417	182.7	22.428	3400.	2.311	34.906	266.1	2.034
200.	15.070	35.704	116.3	15.039	3450.	2.279	34.905	267.5	1.998
250.	11.178	35.180	115.6	11.146	3500.	2.231	34.899	266.6	1.945
300.	9.533	34.913	110.6	9.499	3550.	2.214	34.899	265.5	1.923
350.	8.750	34.815	117.5	8.713	3600.	2.211	34.897	265.0	1.915
400.	8.563	34.832	106.6	8.520	3650.	2.186	34.895	264.8	1.885
450.	8.030	34.764	108.3	7.984	3700.	2.178	34.894	264.8	1.872
500.	7.365	34.696	117.6	7.316	3750.	2.168	34.892	263.1	1.857
550.	6.819	34.641	122.5	6.767	3800.	2.143	34.889	261.0	1.827
600.	6.391	34.617	126.0	6.336	3831.	2.141	34.888	260.3	1.822
650.	6.096	34.615	127.9	6.038					
700.	5.668	34.589	132.4	5.607					
750.	5.477	34.598	137.7	5.413					
800.	5.160	34.592	139.6	5.093					
850.	4.868	34.587	148.8	4.799					
900.	4.822	34.617	151.9	4.748					
950.	4.788	34.642	153.6	4.711					
1000.	4.819	34.682	156.0	4.737					
1050.	4.831	34.734	160.9	4.744					
1100.	4.848	34.775	166.6	4.756					
1150.	4.891	34.815	172.7	4.794					
1200.	4.940	34.854	179.2	4.839					
1250.	4.993	34.905	188.0	4.886					
1300.	4.819	34.906	193.8	4.709					
1350.	4.813	34.939	205.3	4.699					
1400.	4.820	34.971	214.5	4.700					
1450.	4.790	34.997	225.1	4.665					
1500.	4.643	34.999	231.9	4.515					
1550.	4.546	35.007	238.9	4.414					
1600.	4.403	35.008	248.3	4.268					
1650.	4.283	35.004	251.5	4.146					
1700.	4.140	34.999	254.6	4.000					
1750.	4.061	35.001	260.7	3.917					
1800.	3.927	34.994	259.9	3.780					
1850.	3.794	34.986	259.2	3.644					
1900.	3.714	34.988	262.9	3.560					
1950.	3.652	34.985	263.3	3.494					
2000.	3.559	34.981	263.1	3.398					
2050.	3.494	34.979	262.8	3.329					
2100.	3.425	34.975	264.3	3.256					
2150.	3.382	34.973	264.6	3.210					
2200.	3.314	34.969	263.5	3.138					
2250.	3.270	34.968	264.4	3.089					
2300.	3.226	34.965	264.5	3.041					
2350.	3.159	34.961	264.1	2.971					
2400.	3.092	34.958	263.6	2.900					
2450.	3.039	34.955	263.8	2.843					
2500.	3.014	34.954	264.0	2.814					
2550.	2.949	34.949	263.6	2.745					
2600.	2.901	34.946	263.3	2.693					
2650.	2.865	34.944	262.5	2.652					
2700.	2.837	34.941	262.4	2.620					
2750.	2.802	34.940	262.0	2.581					
2800.	2.763	34.937	262.0	2.538					



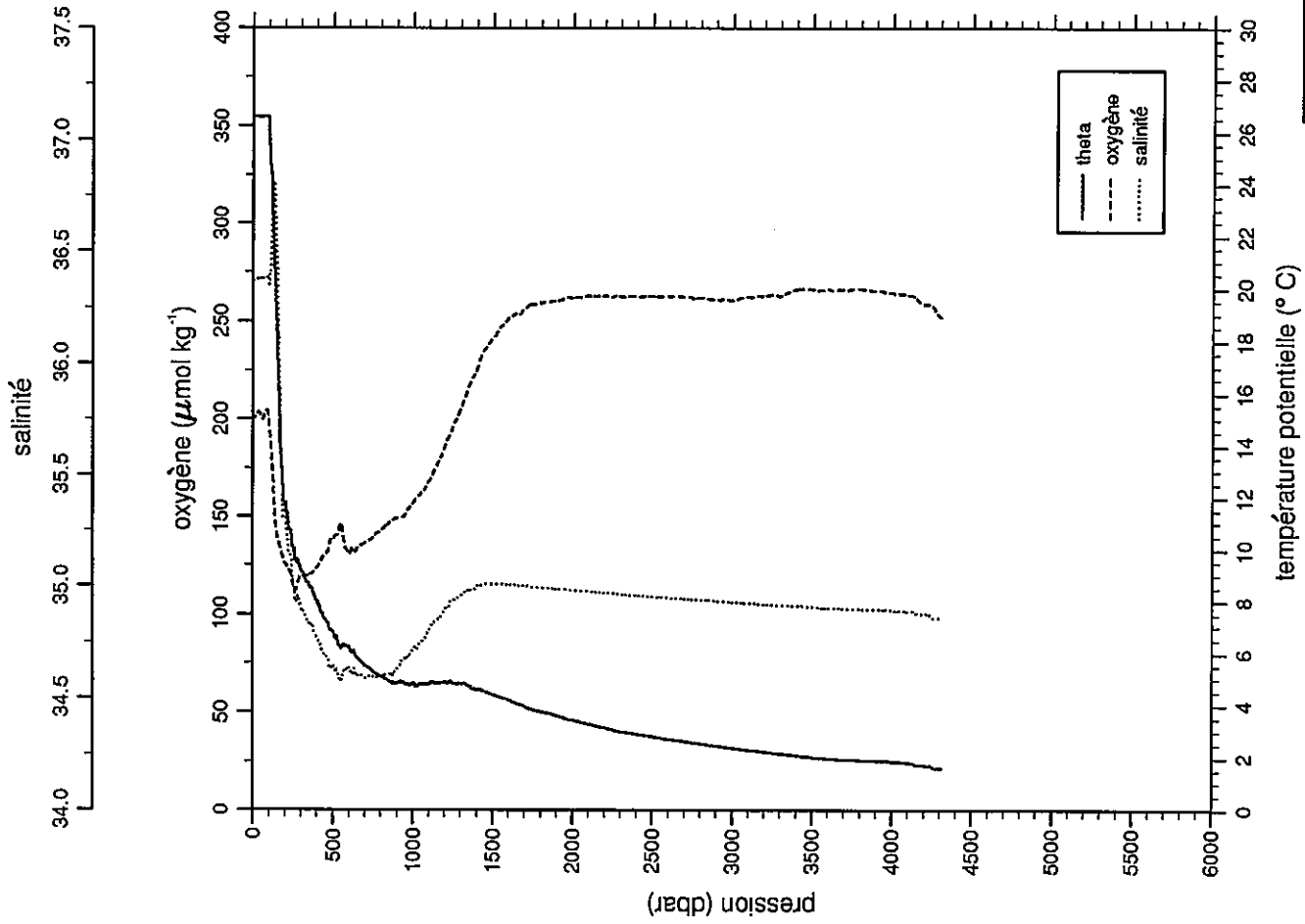
Station 128



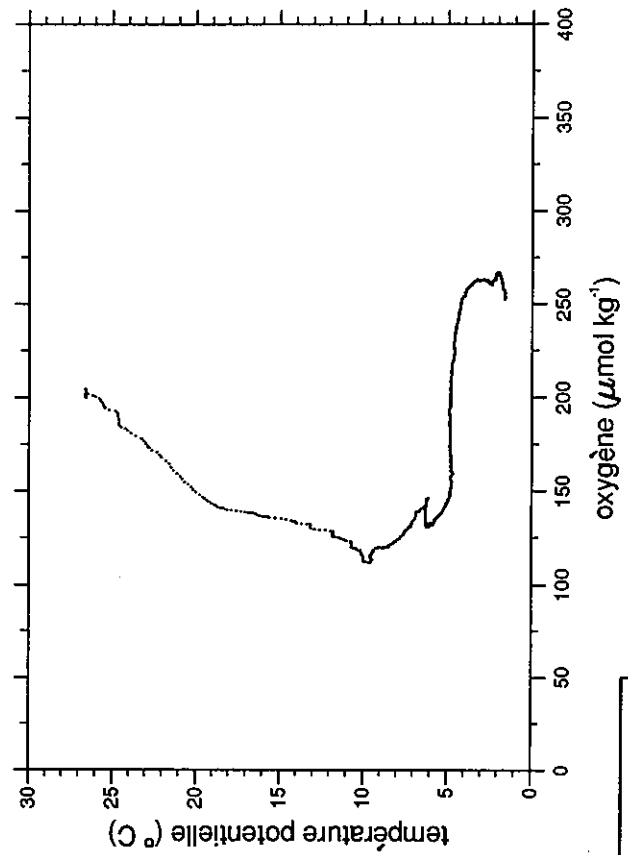
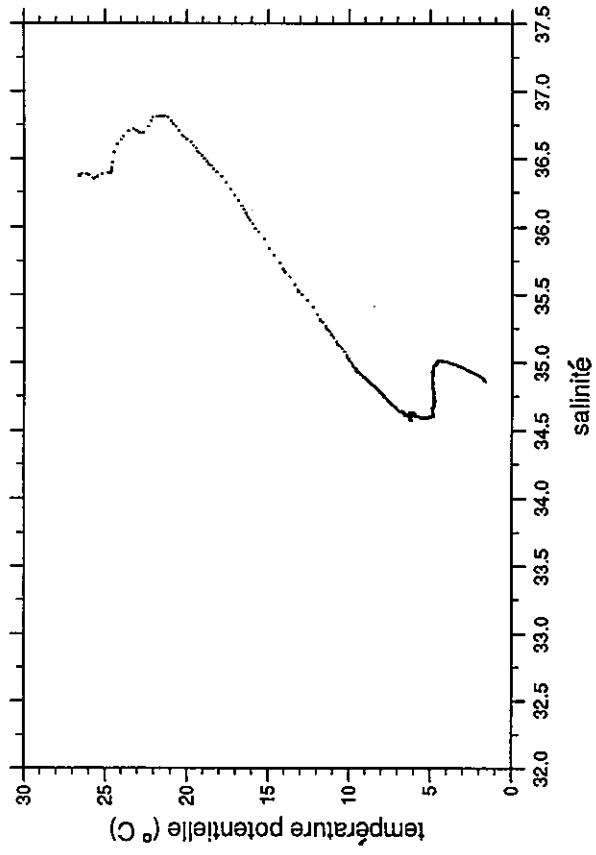
Station 129

Station : 130 Campagne : CITHER1
 Date : 15-02-93 Navire : L'ATALANTE
 Profondeur: 4296 m Organisme : IFREMER
 Position : N 7 30.97
 W 49 57.46

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.608	36.368	200.7	26.607	2850.	2.739	34.935	261.5	2.509
2.	26.608	36.368	200.3	26.607	2900.	2.703	34.932	261.1	2.469
3.	26.614	36.368	200.4	26.613	2950.	2.668	34.930	261.5	2.429
4.	26.613	36.368	200.9	26.612	3000.	2.632	34.927	260.6	2.389
5.	26.611	36.368	201.0	26.610	3050.	2.596	34.925	262.0	2.349
10.	26.603	36.368	200.6	26.601	3100.	2.561	34.922	262.5	2.309
20.	26.594	36.370	201.7	26.589	3150.	2.531	34.921	263.0	2.275
30.	26.595	36.372	203.2	26.588	3200.	2.499	34.918	263.1	2.238
40.	26.593	36.372	203.4	26.584	3250.	2.471	34.916	263.9	2.206
50.	26.601	36.377	201.5	26.589	3300.	2.434	34.914	262.9	2.164
100.	25.817	36.351	199.5	25.795	3350.	2.411	34.914	265.0	2.137
150.	18.537	36.448	140.8	18.511	3400.	2.379	34.910	266.5	2.100
200.	11.833	35.311	126.5	11.807	3450.	2.346	34.909	266.7	2.063
250.	10.099	35.032	116.0	10.070	3500.	2.321	34.907	266.5	2.033
300.	9.197	34.903	119.3	9.164	3550.	2.288	34.904	266.0	1.996
350.	8.720	34.843	119.6	8.683	3600.	2.271	34.903	266.7	1.974
400.	8.054	34.767	123.6	8.013	3650.	2.260	34.900	265.9	1.957
450.	7.373	34.687	130.1	7.329	3700.	2.252	34.900	266.2	1.944
500.	6.861	34.641	138.6	6.814	3750.	2.247	34.899	266.6	1.934
550.	6.227	34.569	146.5	6.178	3800.	2.244	34.899	266.6	1.926
600.	6.303	34.634	130.8	6.248	3850.	2.235	34.898	266.1	1.911
650.	5.888	34.601	132.8	5.831	3900.	2.232	34.897	265.8	1.902
700.	5.571	34.585	136.5	5.511	3950.	2.227	34.895	265.3	1.892
750.	5.339	34.590	139.1	5.276	4000.	2.216	34.893	264.6	1.876
800.	5.145	34.595	142.8	5.078	4050.	2.203	34.892	264.2	1.857
850.	4.991	34.604	146.2	4.921	4100.	2.190	34.889	263.6	1.839
900.	4.906	34.626	149.1	4.832	4150.	2.116	34.880	261.7	1.762
950.	4.903	34.672	150.3	4.825	4200.	2.096	34.877	258.7	1.737
1000.	4.886	34.715	156.5	4.804	4250.	2.046	34.870	258.1	1.682
1050.	4.878	34.748	161.7	4.791	4300.	1.984	34.860	252.7	1.616
1100.	4.882	34.792	168.1	4.790	4309.	1.985	34.861	252.2	1.616
1150.	4.944	34.846	176.2	4.846					
1200.	4.973	34.897	185.8	4.871					
1250.	4.934	34.930	195.6	4.827					
1300.	4.916	34.959	205.4	4.805					
1350.	4.836	34.979	216.5	4.720					
1400.	4.696	34.989	225.3	4.577					
1450.	4.661	35.008	235.5	4.538					
1500.	4.532	35.008	241.4	4.406					
1550.	4.428	35.010	247.1	4.298					
1600.	4.325	35.008	251.7	4.191					
1650.	4.196	35.002	254.3	4.059					
1700.	4.106	35.001	256.5	3.966					
1750.	3.985	34.996	258.6	3.842					
1800.	3.917	34.994	259.4	3.770					
1850.	3.852	34.992	260.0	3.701					
1900.	3.763	34.989	260.2	3.608					
1950.	3.673	34.987	261.6	3.515					
2000.	3.604	34.983	261.9	3.443					
2050.	3.540	34.981	262.3	3.375					
2100.	3.467	34.977	263.1	3.298					
2150.	3.396	34.974	262.8	3.223					
2200.	3.334	34.970	263.1	3.157					
2250.	3.260	34.967	262.5	3.079					
2300.	3.191	34.963	262.9	3.007					
2350.	3.150	34.961	262.7	2.962					
2400.	3.101	34.958	262.6	2.909					
2450.	3.062	34.956	262.9	2.865					
2500.	3.031	34.954	262.9	2.831					
2550.	2.974	34.950	262.9	2.770					
2600.	2.934	34.948	262.7	2.726					
2650.	2.904	34.946	262.9	2.691					
2700.	2.864	34.943	262.5	2.646					
2750.	2.826	34.940	261.9	2.604					
2800.	2.783	34.938	262.1	2.557					

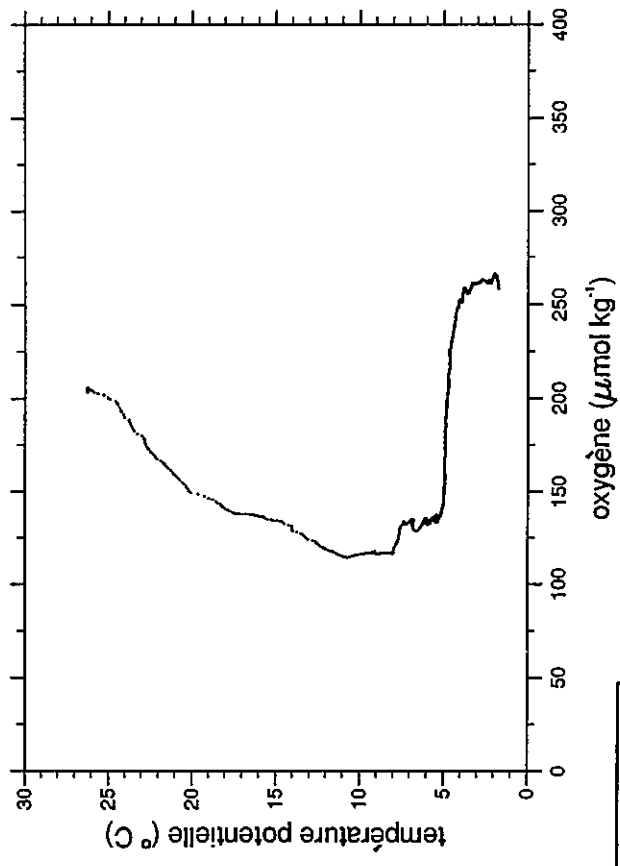
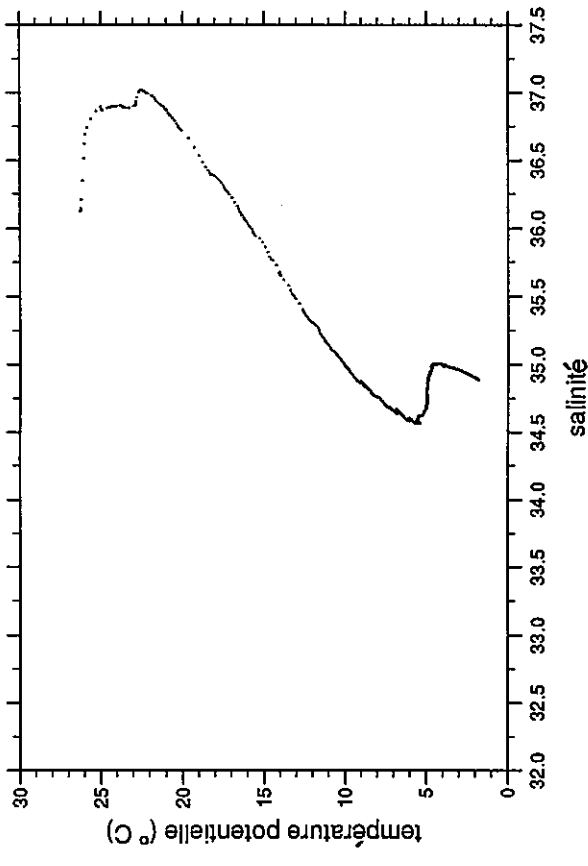
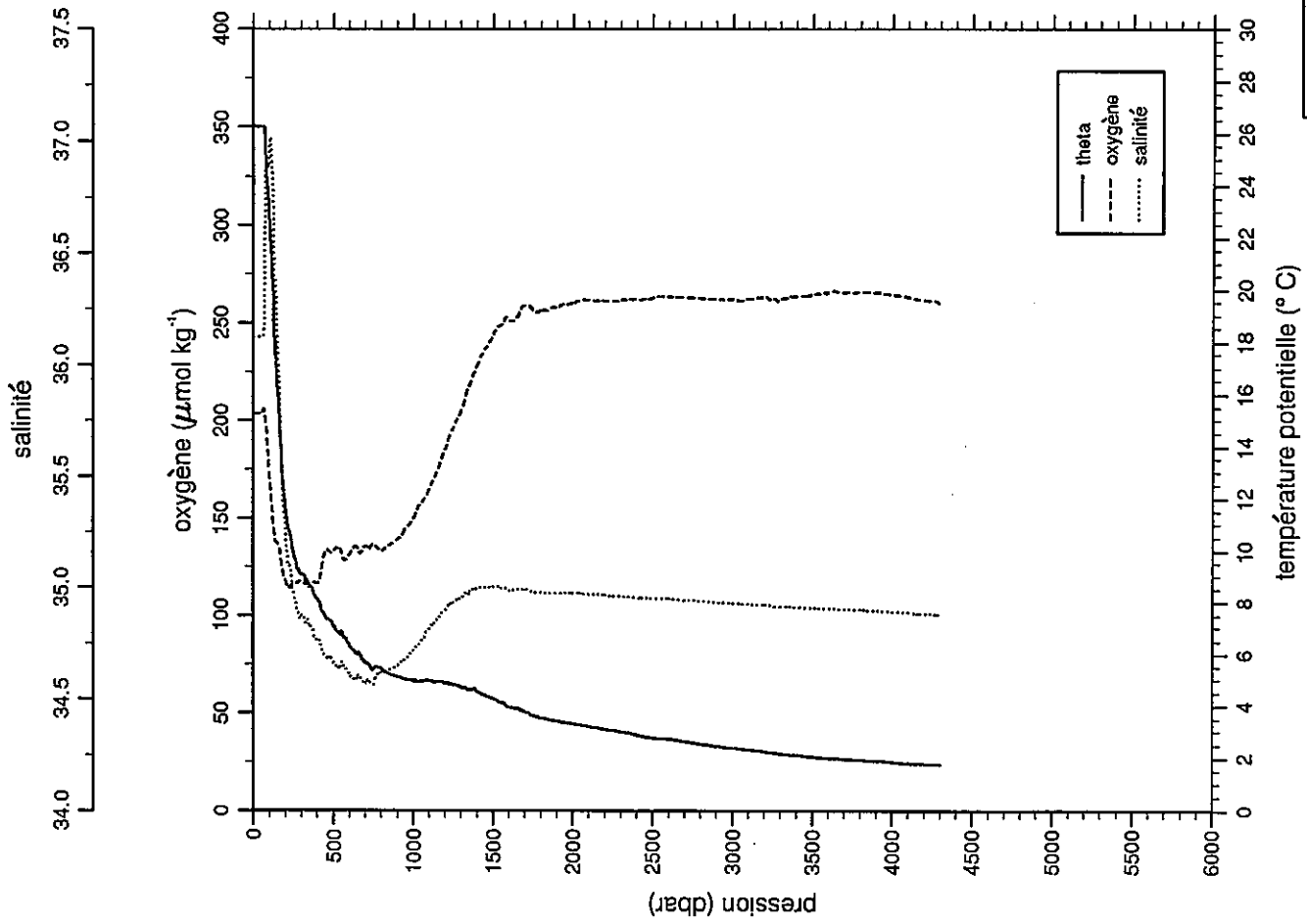


Station 130



Station : 131 Campagne : CITHERR1
 Date : 15-02-93 Navire : L'ATALANTE
 Profondeur: 4295 m Organisme : IFREMER
 Position : N 7 30.00
 W 49 29.96

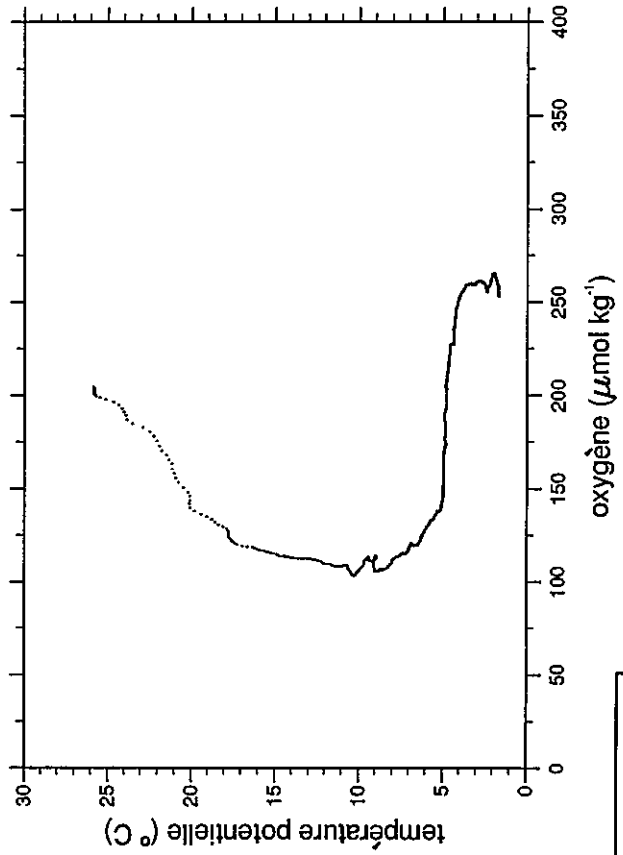
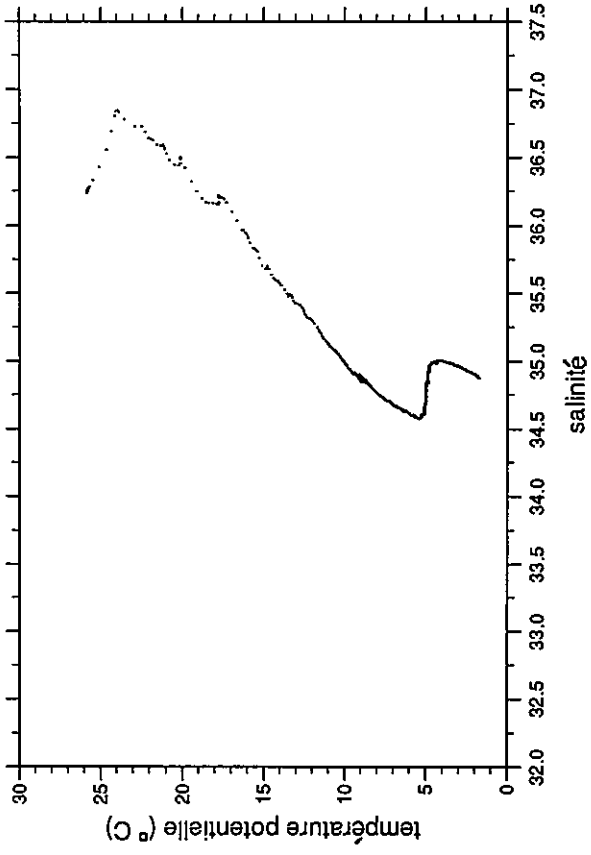
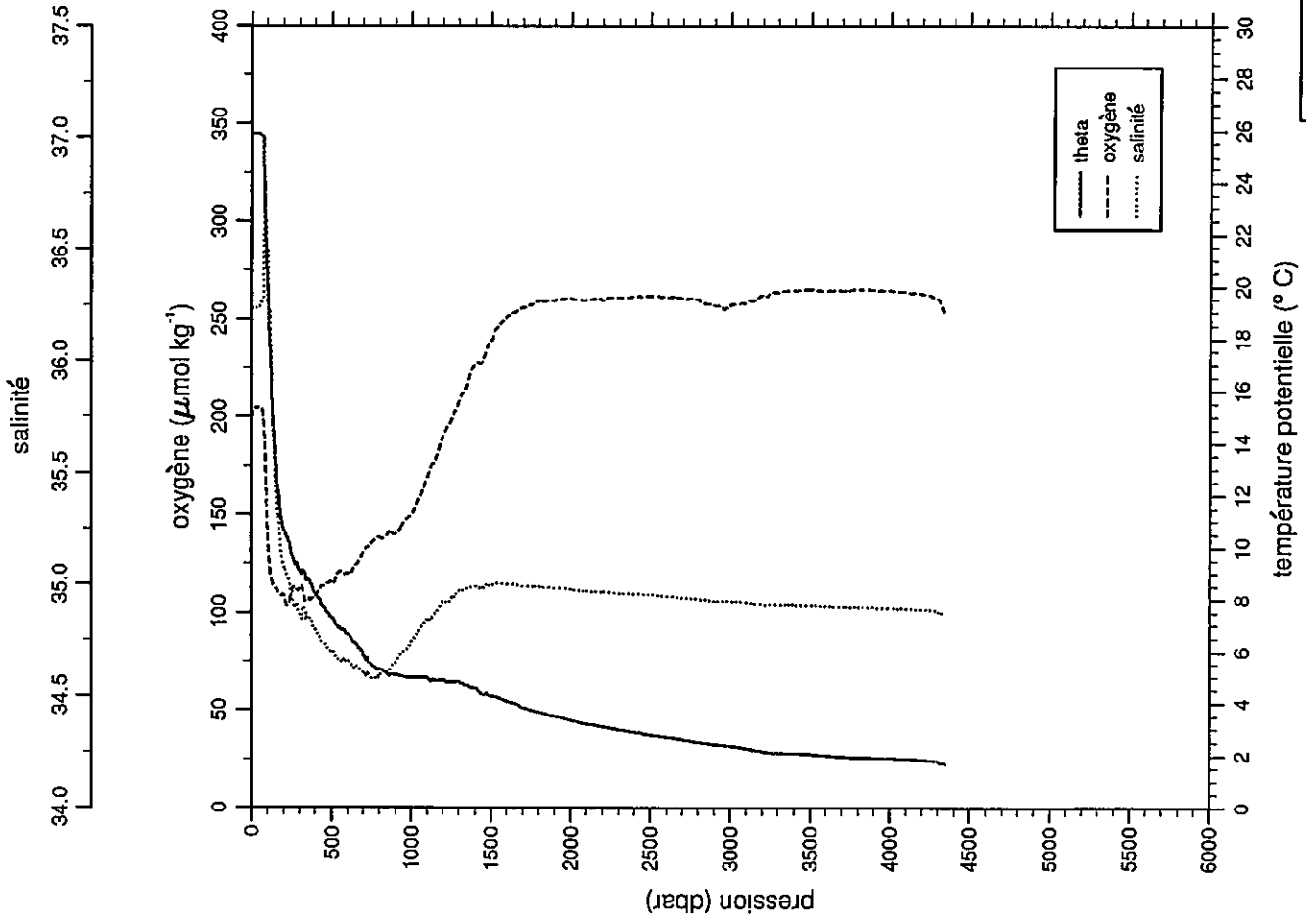
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.272	36.124	203.8	26.271	2850.	2.761	34.937	262.3	2.531
2.	26.272	36.124	203.8	26.271	2900.	2.712	34.933	261.8	2.478
3.	26.272	36.124	203.8	26.271	2950.	2.682	34.931	261.5	2.443
4.	26.272	36.124	203.8	26.271	3000.	2.649	34.929	262.1	2.406
5.	26.272	36.124	203.8	26.270	3050.	2.619	34.927	261.1	2.372
10.	26.272	36.124	203.8	26.269	3100.	2.589	34.925	262.2	2.337
20.	26.272	36.124	203.8	26.267	3150.	2.559	34.922	262.7	2.303
30.	26.272	36.124	203.8	26.265	3200.	2.524	34.921	263.2	2.263
40.	26.272	36.124	203.8	26.263	3250.	2.492	34.918	262.5	2.226
50.	26.272	36.124	203.6	26.260	3300.	2.440	34.914	261.5	2.171
100.	22.680	37.004	173.9	22.660	3350.	2.424	34.913	263.2	2.150
150.	16.363	36.094	137.2	16.339	3400.	2.407	34.911	263.4	2.128
200.	11.835	35.286	117.9	11.809	3450.	2.369	34.908	263.8	2.085
250.	9.983	34.986	116.0	9.954	3500.	2.342	34.906	264.4	2.054
300.	9.134	34.872	117.3	9.101	3550.	2.328	34.906	264.9	2.035
350.	8.664	34.824	116.5	8.626	3600.	2.306	34.905	265.8	2.008
400.	8.156	34.766	116.3	8.114	3650.	2.289	34.902	265.9	1.986
450.	7.502	34.690	132.4	7.457	3700.	2.281	34.902	265.4	1.972
500.	7.134	34.663	133.2	7.086	3750.	2.264	34.900	265.5	1.950
550.	6.912	34.666	132.8	6.860	3800.	2.252	34.899	265.8	1.933
600.	6.402	34.605	131.1	6.348	3850.	2.241	34.898	265.8	1.916
650.	6.049	34.585	134.8	5.991	3900.	2.229	34.896	265.3	1.899
700.	5.739	34.570	135.7	5.679	3950.	2.217	34.894	264.9	1.883
750.	5.468	34.563	137.2	5.404	4000.	2.201	34.892	264.2	1.861
800.	5.542	34.624	133.3	5.473	4050.	2.184	34.890	263.8	1.839
850.	5.304	34.630	136.1	5.232	4100.	2.163	34.887	262.7	1.813
900.	5.198	34.646	139.4	5.122	4150.	2.148	34.884	261.8	1.792
950.	5.092	34.680	144.4	5.013	4200.	2.145	34.882	261.3	1.783
1000.	5.045	34.713	149.7	4.961	4250.	2.138	34.882	260.8	1.771
1050.	5.039	34.764	157.4	4.950	4299.	2.143	34.881	258.2	1.770
1100.	5.053	34.813	164.7	4.960					
1150.	5.022	34.857	173.9	4.925					
1200.	4.964	34.892	185.2	4.862					
1250.	4.916	34.930	196.1	4.810					
1300.	4.832	34.954	204.9	4.721					
1350.	4.757	34.981	217.7	4.643					
1400.	4.688	34.997	228.5	4.569					
1450.	4.542	35.000	237.0	4.421					
1500.	4.422	35.006	243.7	4.297					
1550.	4.262	35.000	248.7	4.134					
1600.	4.080	34.990	251.6	3.950					
1650.	4.033	34.992	253.2	3.899					
1700.	3.914	34.993	258.6	3.777					
1750.	3.772	34.981	256.5	3.631					
1800.	3.688	34.978	256.3	3.544					
1850.	3.636	34.977	256.8	3.488					
1900.	3.591	34.976	257.8	3.439					
1950.	3.538	34.975	259.5	3.382					
2000.	3.492	34.974	259.8	3.332					
2050.	3.451	34.974	261.5	3.287					
2100.	3.391	34.972	261.6	3.223					
2150.	3.346	34.969	261.3	3.174					
2200.	3.294	34.965	261.0	3.118					
2250.	3.248	34.963	260.8	3.068					
2300.	3.197	34.962	261.3	3.013					
2350.	3.159	34.960	261.8	2.971					
2400.	3.089	34.956	261.8	2.897					
2450.	3.028	34.954	262.4	2.832					
2500.	2.980	34.951	262.7	2.780					
2550.	2.968	34.950	263.5	2.763					
2600.	2.958	34.949	263.2	2.749					
2650.	2.923	34.947	263.1	2.710					
2700.	2.877	34.945	263.0	2.659					
2750.	2.832	34.941	262.8	2.611					
2800.	2.799	34.939	262.6	2.573					



Station 131

Station	: 132	Campagne	: CITHER1
Date	: 16-02-93	Navire	: L'ATALANTE
Profondeur:	4333 m	Organisme	: IFREMER
Position	: N 7 29.97		
	W 49 0.02		

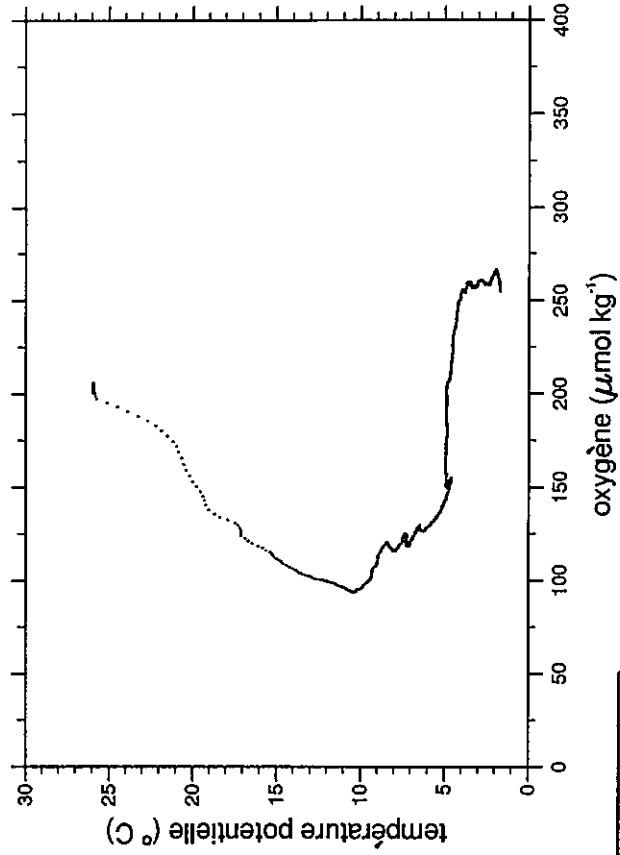
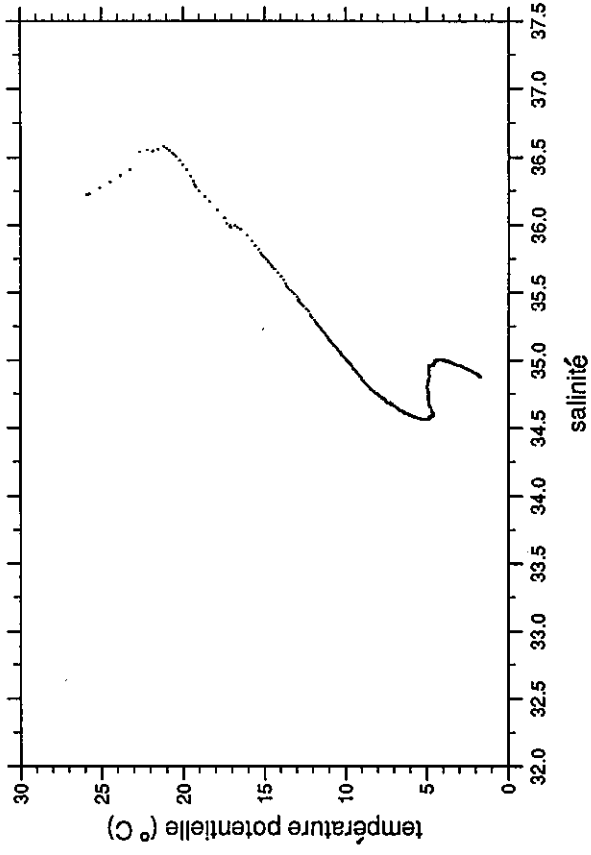
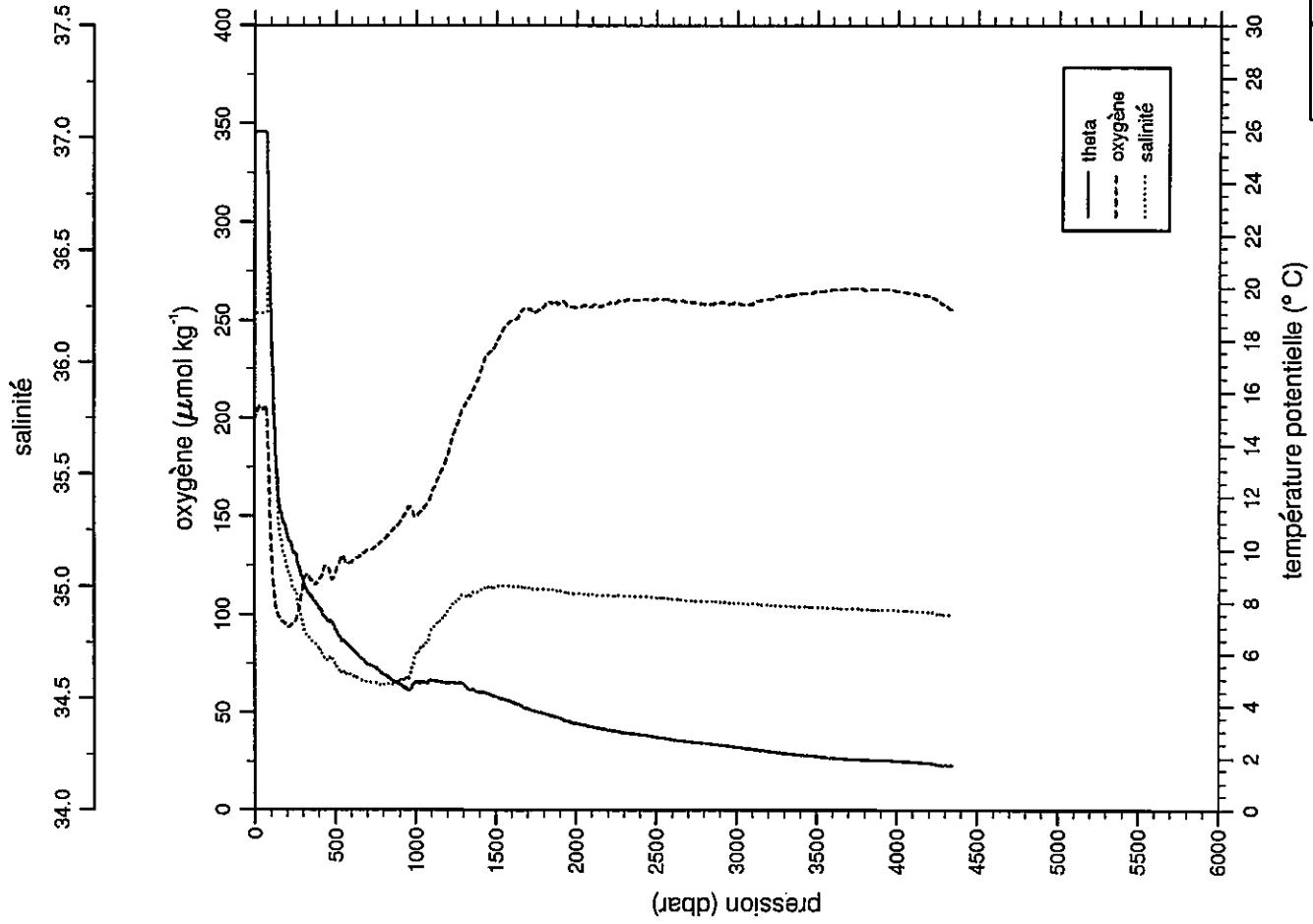
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.869	36.235	202.4	25.869	2850.	2.698	34.931	257.6	2.469
2.	25.869	36.235	201.0	25.868	2900.	2.657	34.927	256.9	2.424
3.	25.867	36.236	201.3	25.867	2950.	2.629	34.925	255.6	2.391
4.	25.869	36.235	201.7	25.868	3000.	2.608	34.925	257.3	2.366
5.	25.871	36.235	202.0	25.870	3050.	2.574	34.922	257.8	2.328
10.	25.869	36.235	203.0	25.867	3100.	2.524	34.919	258.6	2.273
20.	25.871	36.235	204.1	25.866	3150.	2.464	34.915	259.7	2.210
30.	25.877	36.235	204.6	25.870	3200.	2.421	34.913	262.0	2.162
40.	25.868	36.239	204.4	25.859	3250.	2.385	34.911	263.3	2.122
50.	25.860	36.242	204.2	25.849	3300.	2.372	34.910	263.7	2.104
100.	20.479	36.445	150.7	20.460	3350.	2.366	34.910	264.5	2.093
150.	13.514	35.474	112.4	13.493	3400.	2.363	34.910	264.9	2.085
200.	10.690	35.081	108.7	10.666	3450.	2.355	34.909	265.1	2.071
250.	9.770	34.947	109.1	9.741	3500.	2.343	34.908	265.2	2.054
300.	9.129	34.869	111.8	9.096	3550.	2.324	34.906	265.0	2.031
350.	8.828	34.859	106.4	8.790	3600.	2.304	34.904	264.6	2.006
400.	8.285	34.795	108.3	8.243	3650.	2.286	34.903	264.7	1.982
450.	7.767	34.735	113.6	7.722	3700.	2.269	34.901	264.7	1.960
500.	7.345	34.701	115.4	7.296	3750.	2.263	34.901	265.0	1.949
550.	6.915	34.661	120.4	6.863	3800.	2.261	34.900	265.4	1.942
600.	6.712	34.651	119.7	6.655	3850.	2.259	34.900	265.3	1.935
650.	6.368	34.634	123.6	6.308	3900.	2.256	34.899	265.0	1.926
700.	5.916	34.599	130.0	5.854	3950.	2.255	34.898	264.9	1.919
750.	5.548	34.578	135.1	5.484	4000.	2.252	34.897	264.6	1.911
800.	5.368	34.585	138.2	5.301	4050.	2.246	34.896	264.2	1.899
850.	5.208	34.615	139.8	5.136	4100.	2.234	34.894	263.8	1.881
900.	5.158	34.648	140.1	5.082	4150.	2.230	34.893	263.5	1.872
950.	5.066	34.696	145.7	4.986	4200.	2.216	34.891	262.8	1.853
1000.	5.069	34.734	149.4	4.985	4250.	2.190	34.887	261.9	1.822
1050.	5.065	34.793	158.3	4.976	4300.	2.166	34.884	260.1	1.793
1100.	5.054	34.844	169.0	4.960	4344.	2.083	34.872	253.0	1.707
1150.	4.968	34.872	178.0	4.871					
1200.	4.995	34.922	190.6	4.892					
1250.	4.929	34.936	197.5	4.823					
1300.	4.908	34.969	207.6	4.797					
1350.	4.791	34.985	216.7	4.676					
1400.	4.684	34.994	226.8	4.566					
1450.	4.458	34.985	229.6	4.337					
1500.	4.387	34.997	238.8	4.262					
1550.	4.334	35.004	246.8	4.205					
1600.	4.208	35.002	251.0	4.076					
1650.	4.117	35.000	253.4	3.981					
1700.	3.954	34.993	256.0	3.816					
1750.	3.872	34.991	257.3	3.730					
1800.	3.798	34.990	259.2	3.653					
1850.	3.727	34.987	259.3	3.578					
1900.	3.662	34.985	259.5	3.509					
1950.	3.589	34.982	260.1	3.432					
2000.	3.507	34.978	260.4	3.346					
2050.	3.424	34.973	259.9	3.261					
2100.	3.376	34.971	259.6	3.208					
2150.	3.328	34.969	260.0	3.156					
2200.	3.269	34.964	259.5	3.094					
2250.	3.226	34.963	260.7	3.046					
2300.	3.169	34.961	260.8	2.985					
2350.	3.131	34.959	260.9	2.943					
2400.	3.092	34.958	261.5	2.900					
2450.	3.045	34.955	261.3	2.849					
2500.	3.000	34.952	261.6	2.800					
2550.	2.960	34.950	261.4	2.756					
2600.	2.915	34.946	260.9	2.707					
2650.	2.878	34.944	261.3	2.666					
2700.	2.837	34.941	260.4	2.620					
2750.	2.782	34.938	260.5	2.561					
2800.	2.731	34.933	259.8	2.507					



Station 132

Station : 133 Campagne : CITHER1
 Date : 16-02-93 Navire : L'ATALANTE
 Profondeur: 4323 m Organisme : IFREMER
 Position : N 7 30.01
 W 48 29.93

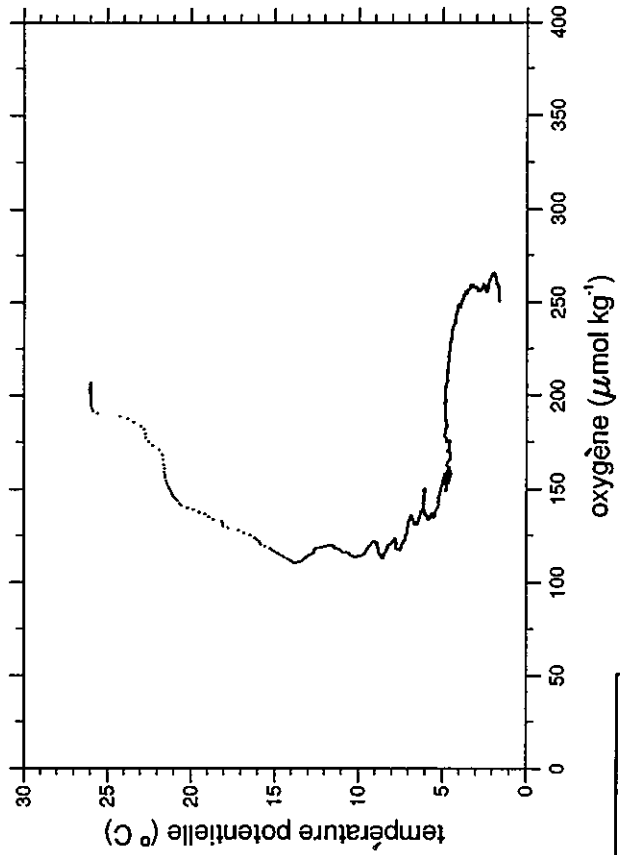
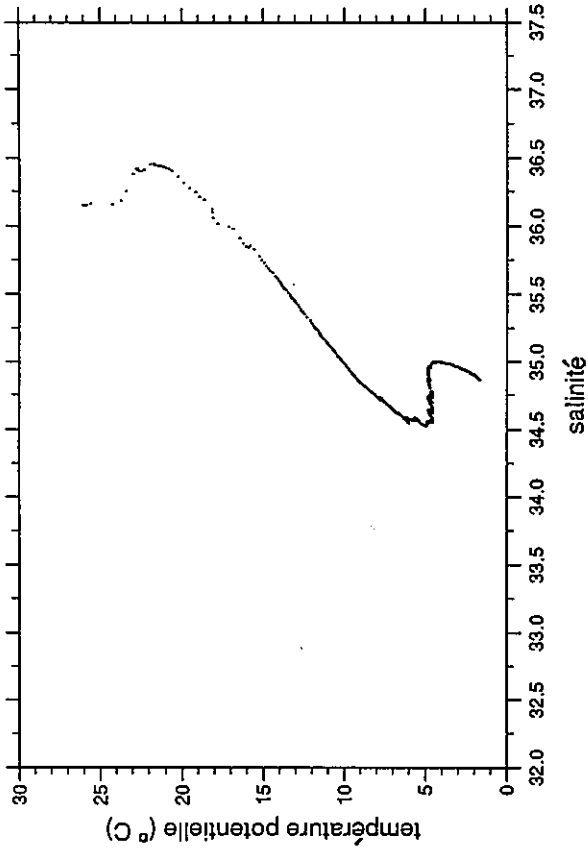
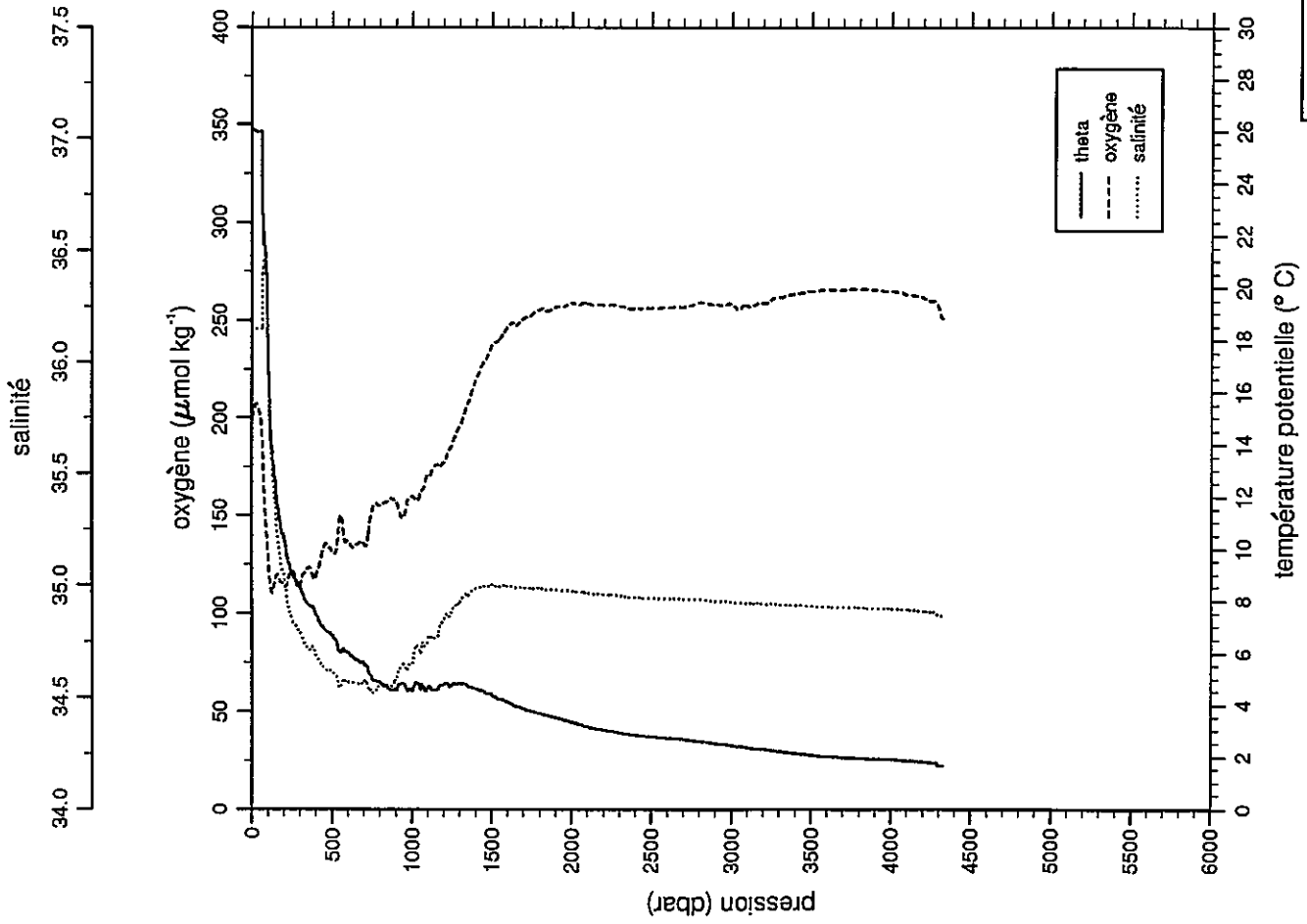
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.927	36.221	201.9	25.927	2850.	2.758	34.935	258.3	2.528
2.	25.927	36.222	200.4	25.927	2900.	2.728	34.933	259.0	2.494
3.	25.927	36.222	200.9	25.926	2950.	2.690	34.929	258.5	2.451
4.	25.928	36.221	201.5	25.927	3000.	2.651	34.928	258.8	2.408
5.	25.928	36.221	201.9	25.927	3050.	2.612	34.924	258.2	2.365
10.	25.923	36.221	202.5	25.921	3100.	2.589	34.924	258.6	2.337
20.	25.938	36.221	204.7	25.934	3150.	2.542	34.920	260.0	2.286
30.	25.941	36.221	206.1	25.935	3200.	2.508	34.918	260.5	2.247
40.	25.943	36.221	206.0	25.934	3250.	2.485	34.917	262.1	2.220
50.	25.943	36.221	204.3	25.932	3300.	2.442	34.914	261.9	2.172
100.	19.043	36.253	138.2	19.025	3350.	2.425	34.912	262.9	2.151
150.	11.766	35.263	98.8	11.747	3400.	2.404	34.912	263.6	2.125
200.	10.571	35.089	94.0	10.547	3450.	2.381	34.909	263.8	2.097
250.	9.867	34.983	96.8	9.838	3500.	2.356	34.908	264.8	2.067
300.	8.811	34.827	115.7	8.779	3550.	2.326	34.906	264.9	2.032
350.	8.238	34.762	117.5	8.202	3600.	2.307	34.905	265.8	2.009
400.	7.783	34.717	118.2	7.743	3650.	2.290	34.903	265.8	1.987
450.	7.323	34.672	124.8	7.280	3700.	2.279	34.903	266.0	1.971
500.	6.987	34.652	121.9	6.940	3750.	2.271	34.901	266.5	1.957
550.	6.537	34.615	129.8	6.486	3800.	2.257	34.899	265.5	1.938
600.	6.256	34.604	126.7	6.202	3850.	2.249	34.898	265.7	1.925
650.	5.930	34.583	129.7	5.873	3900.	2.245	34.898	265.8	1.915
700.	5.659	34.573	132.6	5.598	3950.	2.241	34.897	265.6	1.906
750.	5.524	34.571	134.6	5.460	4000.	2.232	34.895	264.7	1.891
800.	5.276	34.563	138.0	5.209	4050.	2.220	34.892	264.1	1.874
850.	5.053	34.563	142.4	4.982	4100.	2.203	34.890	263.4	1.851
900.	4.927	34.586	146.5	4.853	4150.	2.188	34.889	262.6	1.831
950.	4.694	34.584	153.6	4.617	4200.	2.167	34.885	261.9	1.805
1000.	4.978	34.688	149.8	4.894	4250.	2.120	34.878	259.9	1.754
1050.	4.982	34.736	153.9	4.894	4300.	2.098	34.875	257.8	1.726
1100.	5.058	34.809	160.8	4.965	4342.	2.094	34.874	254.9	1.718
1150.	5.022	34.846	170.9	4.924					
1200.	4.971	34.889	181.2	4.868					
1250.	4.973	34.933	194.9	4.866					
1300.	4.929	34.962	205.9	4.818					
1350.	4.716	34.964	212.5	4.602					
1400.	4.625	34.981	222.3	4.508					
1450.	4.593	35.000	232.8	4.471					
1500.	4.456	34.999	237.7	4.330					
1550.	4.351	35.004	246.1	4.222					
1600.	4.271	35.002	249.8	4.139					
1650.	4.164	35.003	253.7	4.028					
1700.	4.034	34.996	255.7	3.895					
1750.	3.921	34.988	254.5	3.779					
1800.	3.856	34.989	257.3	3.710					
1850.	3.766	34.988	258.7	3.616					
1900.	3.662	34.983	259.0	3.509					
1950.	3.557	34.974	257.4	3.401					
2000.	3.474	34.970	256.6	3.314					
2050.	3.414	34.967	257.7	3.250					
2100.	3.361	34.966	257.4	3.193					
2150.	3.299	34.962	257.1	3.127					
2200.	3.256	34.961	258.6	3.080					
2250.	3.213	34.960	259.0	3.033					
2300.	3.162	34.959	260.0	2.979					
2350.	3.124	34.957	260.3	2.937					
2400.	3.095	34.956	260.4	2.903					
2450.	3.052	34.953	260.6	2.856					
2500.	3.014	34.952	261.0	2.814					
2550.	2.979	34.949	260.4	2.775					
2600.	2.925	34.945	259.9	2.716					
2650.	2.893	34.944	260.0	2.680					
2700.	2.845	34.940	258.9	2.628					
2750.	2.809	34.937	258.7	2.588					
2800.	2.799	34.935	258.3	2.573					



Station 133

Station : 134 Campagne : CITHER1
 Date : 16-02-93 Navire : L'ATALANTE
 Profondeur: 4300 m Organisme : IFRIMER
 Position : N 7 29.98
 W 48 0.04

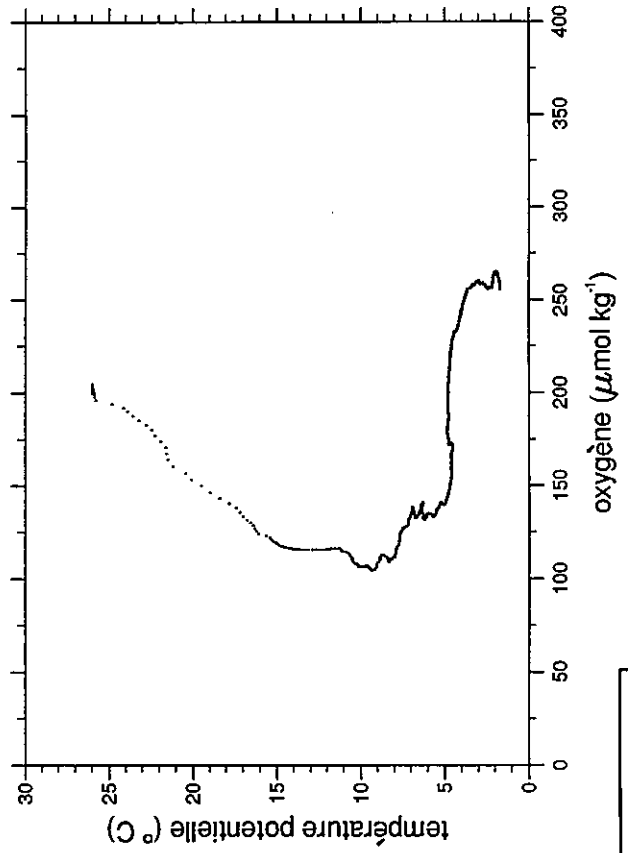
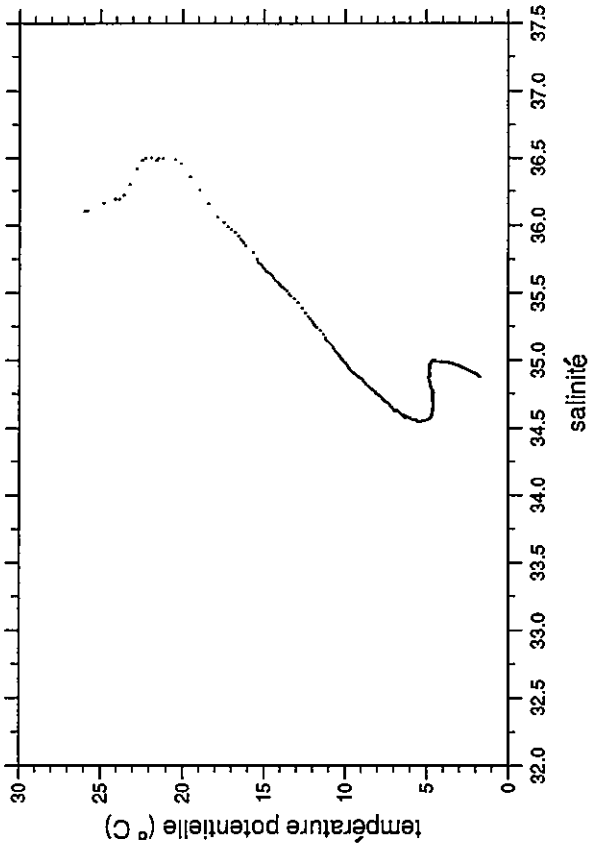
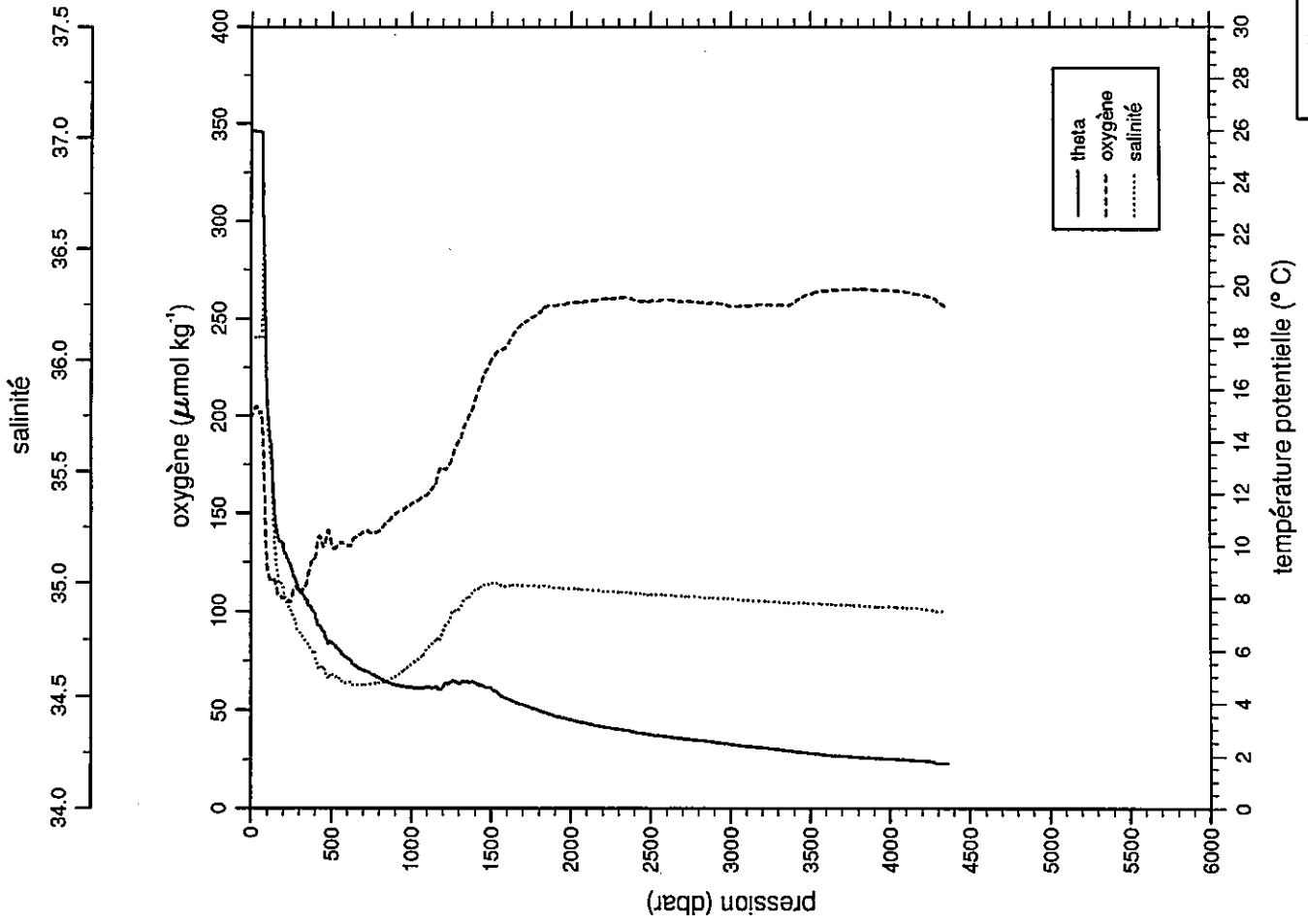
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.047	36.152	202.3	26.046	2850.	2.787	34.935	258.9	2.557
2.	26.047	36.152	202.0	26.046	2900.	2.741	34.932	258.4	2.506
3.	26.051	36.153	201.7	26.050	2950.	2.715	34.931	257.6	2.476
4.	26.050	36.152	201.3	26.049	3000.	2.679	34.928	258.5	2.435
5.	26.049	36.152	201.4	26.048	3050.	2.640	34.924	255.7	2.392
10.	26.049	36.152	203.8	26.046	3100.	2.600	34.922	257.5	2.348
20.	26.001	36.151	206.4	25.996	3150.	2.567	34.921	258.2	2.310
30.	25.976	36.151	207.1	25.969	3200.	2.542	34.919	258.8	2.280
40.	25.971	36.151	205.0	25.962	3250.	2.512	34.918	260.6	2.246
50.	25.970	36.151	202.0	25.959	3300.	2.473	34.916	261.8	2.202
100.	18.076	36.059	130.1	18.058	3350.	2.434	34.913	262.8	2.160
150.	12.289	35.328	118.8	12.270	3400.	2.405	34.911	263.4	2.126
200.	10.412	35.039	114.2	10.388	3450.	2.377	34.909	264.1	2.092
250.	9.101	34.852	121.9	9.074	3500.	2.344	34.907	264.8	2.055
300.	8.522	34.791	113.7	8.491	3550.	2.318	34.905	265.0	2.025
350.	7.879	34.720	123.1	7.844	3600.	2.307	34.904	265.4	2.008
400.	7.469	34.689	119.1	7.430	3650.	2.293	34.903	265.3	1.989
450.	6.969	34.635	134.1	6.926	3700.	2.281	34.902	265.3	1.972
500.	6.721	34.617	131.8	6.674	3750.	2.277	34.901	265.8	1.963
550.	6.089	34.545	149.0	6.040	3800.	2.262	34.900	265.7	1.943
600.	6.068	34.573	136.8	6.015	3850.	2.251	34.899	265.6	1.926
650.	5.795	34.562	134.6	5.739	3900.	2.244	34.897	265.3	1.914
700.	5.699	34.580	135.3	5.638	3950.	2.237	34.897	265.0	1.902
750.	5.066	34.521	152.4	5.004	4000.	2.231	34.895	264.8	1.890
800.	4.946	34.548	154.9	4.880	4050.	2.210	34.892	264.3	1.864
850.	4.702	34.553	157.3	4.634	4100.	2.194	34.890	263.1	1.843
900.	4.639	34.575	157.1	4.567	4150.	2.186	34.889	262.5	1.829
950.	4.877	34.647	149.4	4.799	4200.	2.161	34.884	261.5	1.799
1000.	4.611	34.649	159.8	4.530	4250.	2.139	34.881	259.8	1.773
1050.	4.728	34.705	160.5	4.642	4300.	2.021	34.865	255.3	1.652
1100.	4.738	34.756	170.0	4.647	4324.	2.013	34.864	250.7	1.641
1150.	4.653	34.766	175.8	4.558					
1200.	4.886	34.846	177.3	4.785					
1250.	4.889	34.886	186.0	4.783					
1300.	4.958	34.933	195.9	4.847					
1350.	4.807	34.953	207.6	4.692					
1400.	4.732	34.983	219.8	4.613					
1450.	4.632	34.996	228.9	4.509					
1500.	4.526	35.003	237.0	4.400					
1550.	4.351	34.995	240.2	4.222					
1600.	4.238	34.997	246.7	4.105					
1650.	4.088	34.987	247.3	3.953					
1700.	3.987	34.988	250.9	3.848					
1750.	3.897	34.986	252.8	3.755					
1800.	3.823	34.985	255.4	3.677					
1850.	3.723	34.979	254.7	3.574					
1900.	3.647	34.978	256.7	3.494					
1950.	3.565	34.975	257.1	3.408					
2000.	3.498	34.975	259.1	3.338					
2050.	3.420	34.970	258.1	3.256					
2100.	3.334	34.966	258.7	3.167					
2150.	3.270	34.961	257.9	3.099					
2200.	3.213	34.960	258.1	3.038					
2250.	3.171	34.958	257.9	2.993					
2300.	3.111	34.954	257.5	2.929					
2350.	3.063	34.949	256.1	2.876					
2400.	3.028	34.947	256.2	2.837					
2450.	2.996	34.945	256.3	2.801					
2500.	2.975	34.944	256.3	2.775					
2550.	2.950	34.943	256.4	2.746					
2600.	2.930	34.941	256.5	2.721					
2650.	2.907	34.941	256.9	2.694					
2700.	2.887	34.940	257.0	2.670					
2750.	2.851	34.939	257.8	2.629					
2800.	2.822	34.938	259.4	2.596					



Station 134

Station	: 135	Campagne	: CITHER1
Date	: 16-02-93	Navire	: L'ATALANTE
Profondeur	: 4333 m	Organisme	: IFREMER
Position	: N 7 29.98 W 47 20.04		

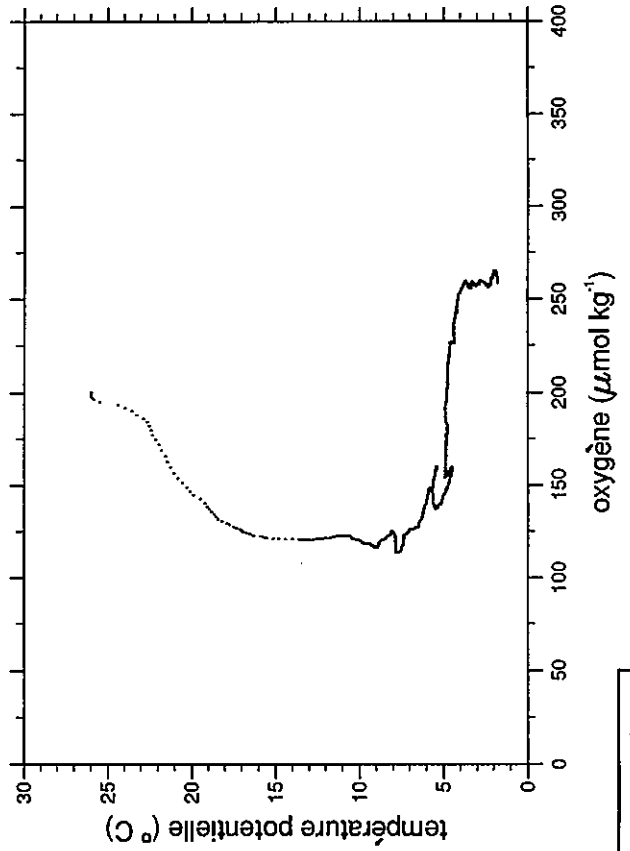
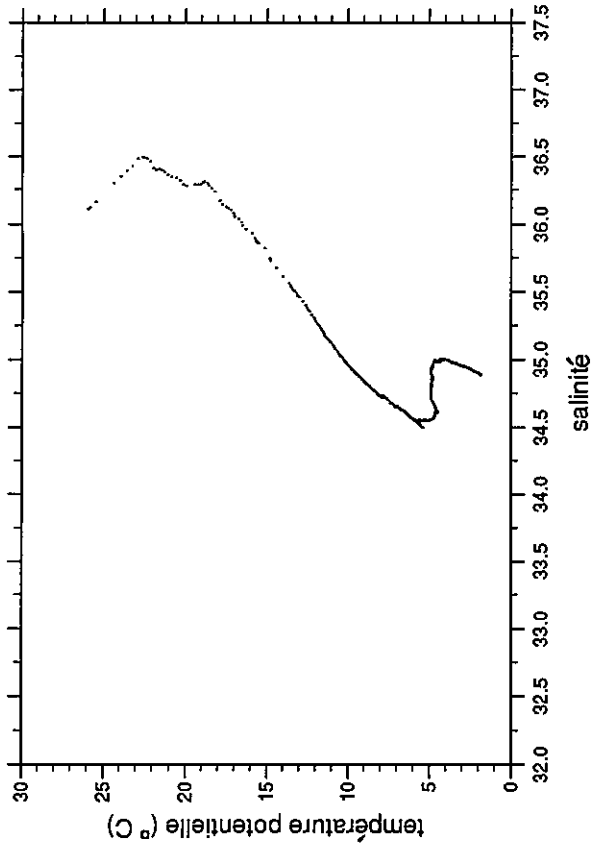
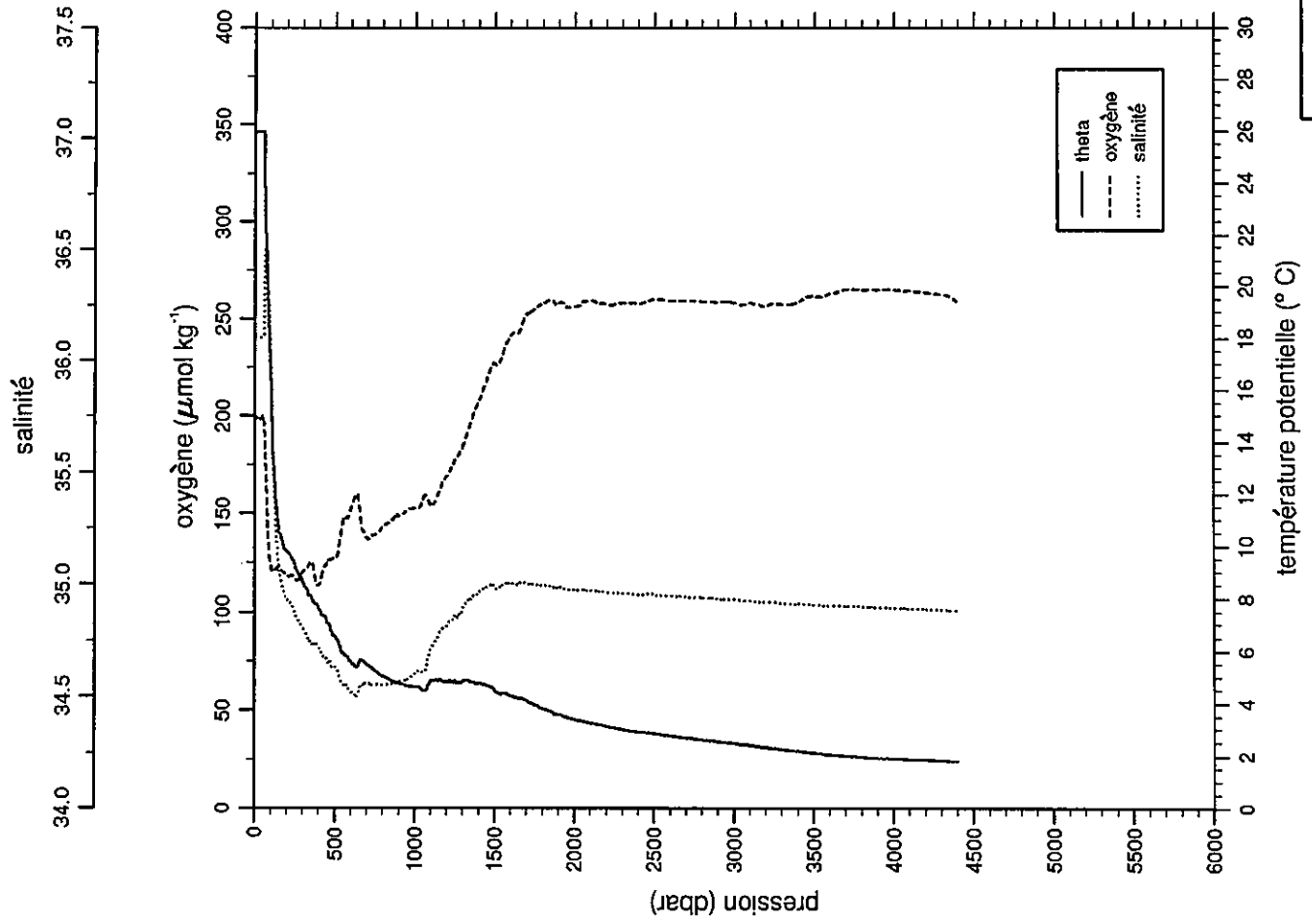
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.980	36.103	200.2	25.980	2850.	2.802	34.934	257.4	2.571
2.	25.980	36.103	199.7	25.980	2900.	2.763	34.932	257.7	2.528
3.	25.976	36.103	199.4	25.975	2950.	2.740	34.931	257.4	2.500
4.	25.979	36.103	199.8	25.978	3000.	2.701	34.928	256.1	2.456
5.	25.981	36.103	199.8	25.980	3050.	2.668	34.925	256.0	2.419
10.	25.980	36.103	201.2	25.978	3100.	2.636	34.922	256.4	2.382
20.	25.985	36.102	203.4	25.981	3150.	2.609	34.920	256.6	2.351
30.	25.980	36.102	204.6	25.973	3200.	2.582	34.918	257.0	2.320
40.	25.979	36.103	204.1	25.970	3250.	2.557	34.917	256.6	2.290
50.	25.975	36.103	201.7	25.963	3300.	2.519	34.915	256.6	2.248
100.	15.402	35.752	122.1	15.386	3350.	2.486	34.912	256.6	2.210
150.	11.132	35.145	114.9	11.113	3400.	2.454	34.909	257.5	2.174
200.	10.057	34.988	106.3	10.034	3450.	2.426	34.909	260.5	2.141
250.	9.183	34.873	105.3	9.156	3500.	2.396	34.908	262.5	2.106
300.	8.359	34.783	109.2	8.328	3550.	2.372	34.907	263.8	2.077
350.	7.921	34.739	115.7	7.886	3600.	2.340	34.905	264.1	2.041
400.	7.440	34.686	127.5	7.401	3650.	2.323	34.903	264.5	2.018
450.	6.752	34.621	133.0	6.710	3700.	2.308	34.903	264.6	1.999
500.	6.354	34.592	134.9	6.309	3750.	2.288	34.901	264.8	1.974
550.	6.088	34.576	134.5	6.039	3800.	2.275	34.900	265.0	1.956
600.	5.790	34.561	133.7	5.738	3850.	2.266	34.898	265.0	1.941
650.	5.499	34.549	137.6	5.444	3900.	2.249	34.896	264.6	1.919
700.	5.315	34.548	140.4	5.257	3950.	2.239	34.895	264.5	1.904
750.	5.190	34.553	139.9	5.128	4000.	2.232	34.894	264.5	1.891
800.	5.012	34.559	141.0	4.947	4050.	2.219	34.892	264.0	1.873
850.	4.876	34.566	145.4	4.807	4100.	2.208	34.890	263.5	1.856
900.	4.772	34.581	149.4	4.699	4150.	2.187	34.887	262.6	1.830
950.	4.733	34.610	151.3	4.656	4200.	2.175	34.885	261.6	1.813
1000.	4.718	34.641	154.3	4.636	4250.	2.152	34.881	260.7	1.785
1050.	4.658	34.665	156.9	4.572	4300.	2.101	34.875	258.3	1.729
1100.	4.718	34.706	159.2	4.627	4350.	2.103	34.874	255.9	1.726
1150.	4.696	34.744	164.6	4.601	4359.	2.104	34.874	255.6	1.726
1200.	4.733	34.780	173.1	4.633					
1250.	4.931	34.858	176.2	4.824					
1300.	4.871	34.887	186.9	4.760					
1350.	4.931	34.937	197.4	4.815					
1400.	4.901	34.968	207.1	4.780					
1450.	4.791	34.988	219.5	4.667					
1500.	4.720	35.002	228.1	4.591					
1550.	4.508	34.994	233.4	4.378					
1600.	4.328	34.986	235.7	4.194					
1650.	4.190	34.989	242.8	4.054					
1700.	4.081	34.988	247.0	3.942					
1750.	3.972	34.987	250.1	3.829					
1800.	3.880	34.985	253.0	3.733					
1850.	3.794	34.985	256.0	3.644					
1900.	3.690	34.980	256.2	3.537					
1950.	3.620	34.977	256.9	3.463					
2000.	3.549	34.975	257.9	3.388					
2050.	3.480	34.972	257.8	3.316					
2100.	3.427	34.970	258.5	3.258					
2150.	3.349	34.966	258.8	3.177					
2200.	3.286	34.964	259.7	3.110					
2250.	3.244	34.962	260.0	3.064					
2300.	3.205	34.961	260.4	3.021					
2350.	3.170	34.959	260.4	2.981					
2400.	3.106	34.954	259.0	2.914					
2450.	3.056	34.952	258.7	2.860					
2500.	3.017	34.949	258.6	2.816					
2550.	2.985	34.947	258.7	2.780					
2600.	2.951	34.946	259.2	2.742					
2650.	2.912	34.942	258.9	2.698					
2700.	2.889	34.941	258.3	2.672					
2750.	2.858	34.940	258.5	2.635					
2800.	2.829	34.937	258.0	2.602					



Station 135

Station	: 136	Campagne	: CITHER1
Date	: 17-02-93	Navire	: L'ATALANTE
Profondeur	: 4369 m	Organisme	: IFREMER
Position	: N 7 30.01		
	W 46 39.99		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.969	36.104	199.5	25.968	2850.	2.804	34.935	258.6	2.572
2.	25.964	36.104	198.8	25.963	2900.	2.773	34.933	258.4	2.538
3.	25.965	36.104	198.5	25.965	2950.	2.740	34.931	258.6	2.500
4.	25.968	36.104	198.5	25.967	3000.	2.716	34.930	258.1	2.472
5.	25.969	36.104	198.8	25.968	3050.	2.685	34.927	257.2	2.436
10.	25.971	36.104	199.2	25.968	3100.	2.663	34.925	257.9	2.409
20.	25.973	36.104	198.8	25.969	3150.	2.621	34.922	257.4	2.363
30.	25.972	36.104	198.4	25.965	3200.	2.587	34.919	256.5	2.324
40.	25.970	36.105	198.9	25.962	3250.	2.561	34.918	257.7	2.294
50.	25.971	36.105	200.4	25.960	3300.	2.534	34.915	257.4	2.263
100.	16.308	35.966	122.9	16.292	3350.	2.503	34.914	257.2	2.227
150.	10.577	35.050	122.3	10.559	3400.	2.478	34.912	258.5	2.197
200.	9.808	34.934	118.5	9.785	3450.	2.447	34.912	261.0	2.161
250.	9.361	34.877	117.6	9.333	3500.	2.418	34.908	261.5	2.128
300.	8.693	34.803	120.2	8.661	3550.	2.392	34.906	261.2	2.097
350.	8.129	34.740	125.2	8.093	3600.	2.359	34.905	262.8	2.059
400.	7.704	34.717	113.8	7.664	3650.	2.341	34.904	263.8	2.036
450.	7.161	34.659	124.5	7.118	3700.	2.321	34.903	265.2	2.011
500.	6.646	34.627	126.9	6.600	3750.	2.307	34.902	265.1	1.992
550.	5.961	34.551	145.9	5.913	3800.	2.282	34.899	264.9	1.962
600.	5.649	34.521	152.7	5.598	3850.	2.270	34.898	265.1	1.945
650.	5.576	34.523	156.1	5.521	3900.	2.254	34.896	264.6	1.924
700.	5.539	34.552	137.4	5.480	3950.	2.247	34.896	265.1	1.911
750.	5.323	34.550	139.3	5.260	4000.	2.238	34.895	264.9	1.897
800.	5.103	34.549	143.4	5.037	4050.	2.227	34.893	264.4	1.881
850.	4.959	34.556	146.1	4.889	4100.	2.224	34.892	264.4	1.872
900.	4.864	34.565	148.7	4.790	4150.	2.217	34.891	263.8	1.859
950.	4.751	34.575	151.4	4.674	4200.	2.210	34.889	263.3	1.847
1000.	4.722	34.600	152.6	4.641	4250.	2.202	34.888	263.0	1.834
1050.	4.590	34.610	157.2	4.505	4300.	2.194	34.886	262.3	1.820
1100.	4.959	34.717	154.2	4.866	4350.	2.178	34.883	261.4	1.798
1150.	4.982	34.777	160.6	4.884	4400.	2.169	34.882	258.7	1.784
1200.	4.948	34.811	169.2	4.846					
1250.	4.966	34.858	177.1	4.860					
1300.	4.960	34.891	184.4	4.848					
1350.	4.939	34.932	196.8	4.823					
1400.	4.889	34.961	207.2	4.768					
1450.	4.809	34.986	218.4	4.685					
1500.	4.609	34.982	226.9	4.482					
1550.	4.524	34.998	231.6	4.393					
1600.	4.431	35.001	241.6	4.296					
1650.	4.338	34.995	242.9	4.200					
1700.	4.256	35.005	252.4	4.114					
1750.	4.097	34.998	254.8	3.952					
1800.	3.958	34.994	257.7	3.810					
1850.	3.859	34.991	259.7	3.708					
1900.	3.731	34.984	257.9	3.577					
1950.	3.633	34.975	256.0	3.476					
2000.	3.555	34.973	256.3	3.394					
2050.	3.501	34.973	258.5	3.337					
2100.	3.431	34.970	259.2	3.263					
2150.	3.379	34.965	257.7	3.207					
2200.	3.313	34.961	257.2	3.136					
2250.	3.245	34.957	257.2	3.065					
2300.	3.189	34.956	258.1	3.005					
2350.	3.137	34.954	257.9	2.949					
2400.	3.096	34.951	257.9	2.904					
2450.	3.077	34.953	259.1	2.881					
2500.	3.039	34.951	260.0	2.838					
2550.	2.995	34.948	259.8	2.790					
2600.	2.962	34.945	259.3	2.753					
2650.	2.928	34.943	259.3	2.714					
2700.	2.891	34.941	259.4	2.673					
2750.	2.862	34.939	259.0	2.640					
2800.	2.834	34.938	258.7	2.607					



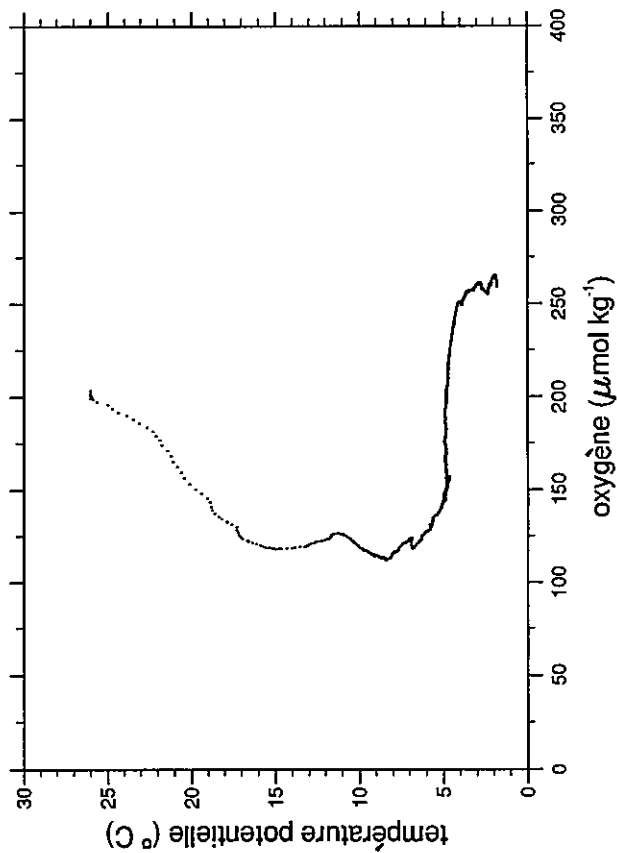
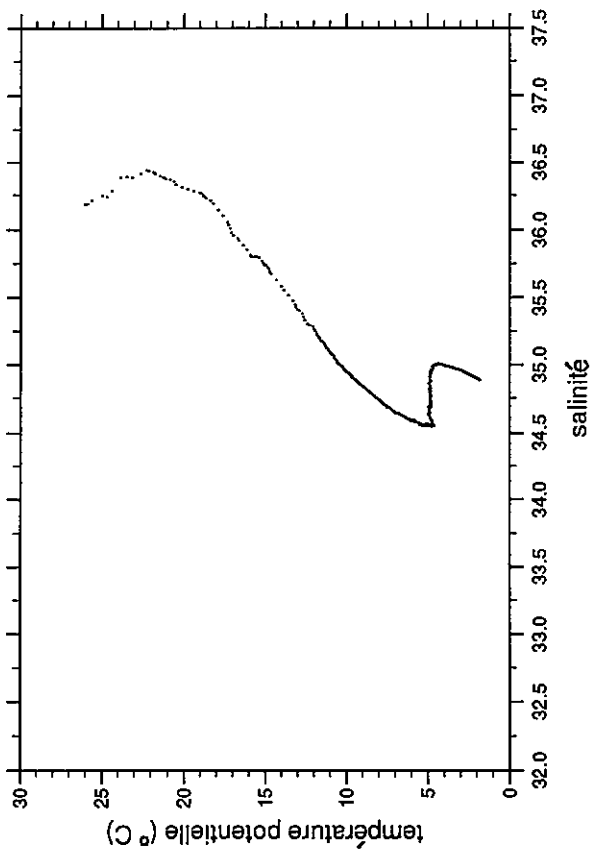
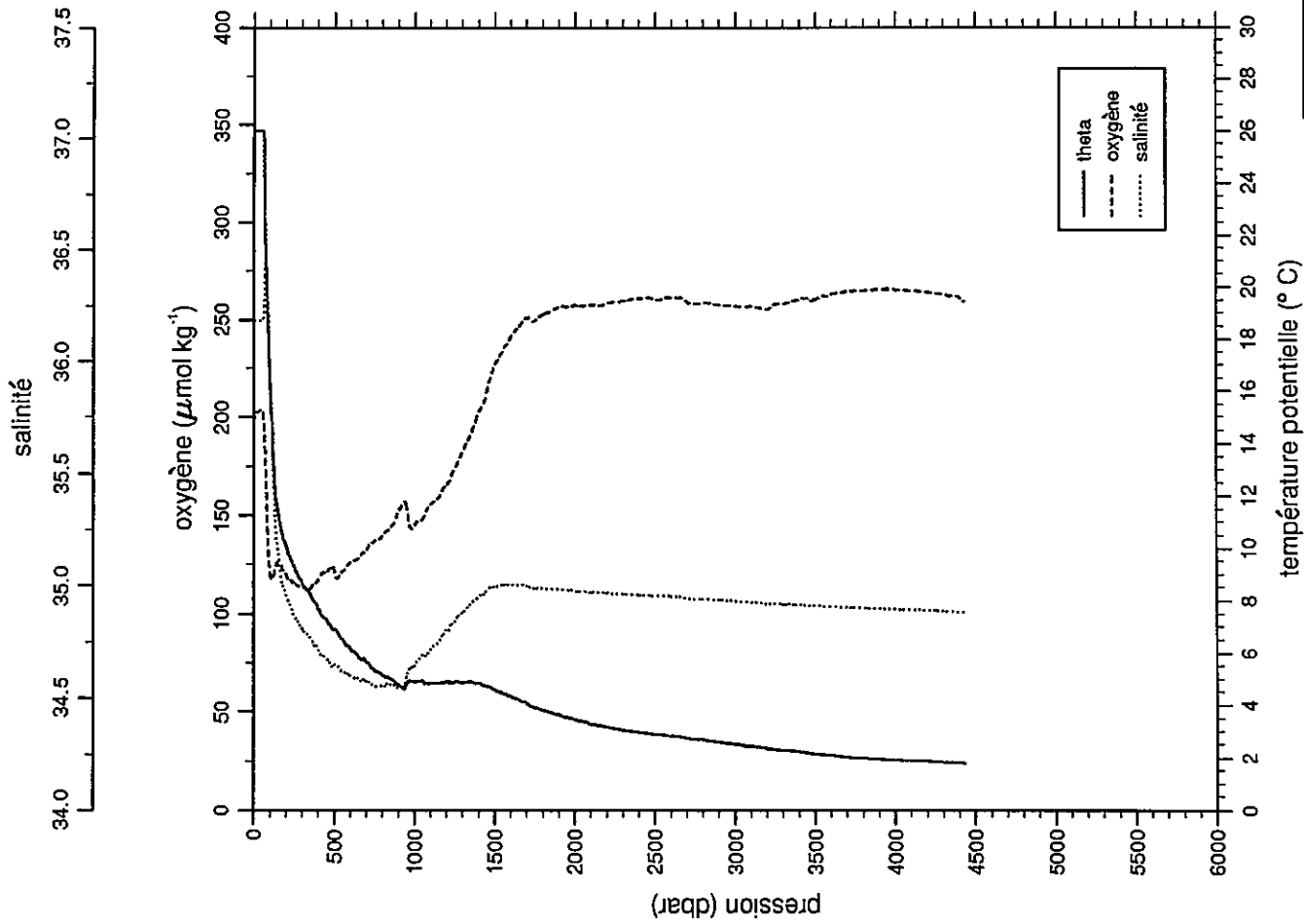
Station 136

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| Station   : 137      Campagne  : CITHER1
| Date      : 17-02-93 Navire    : L'ATALANTE
| Profondeur: 4404 m   Organisme : IFREMER
| Position  : N   7 30.07
|            W  45 59.97
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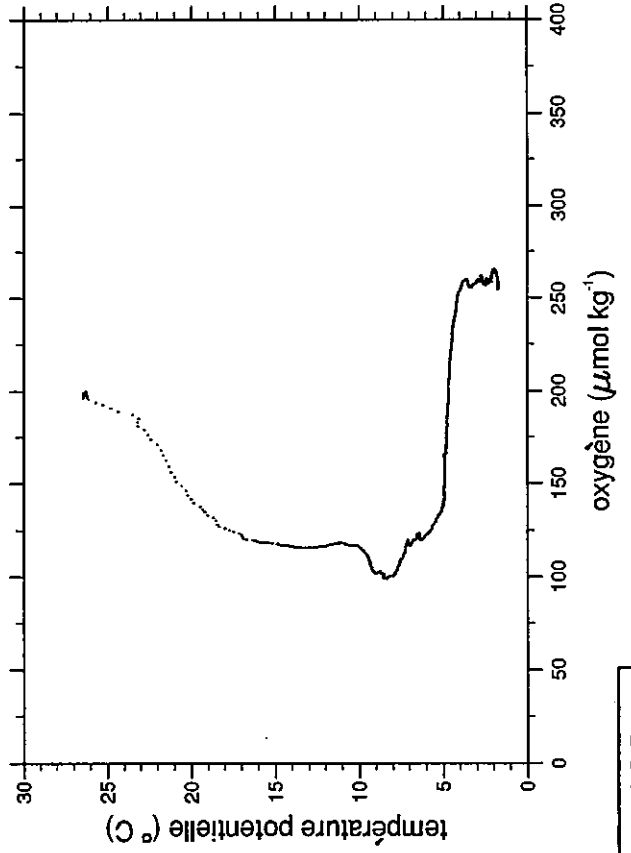
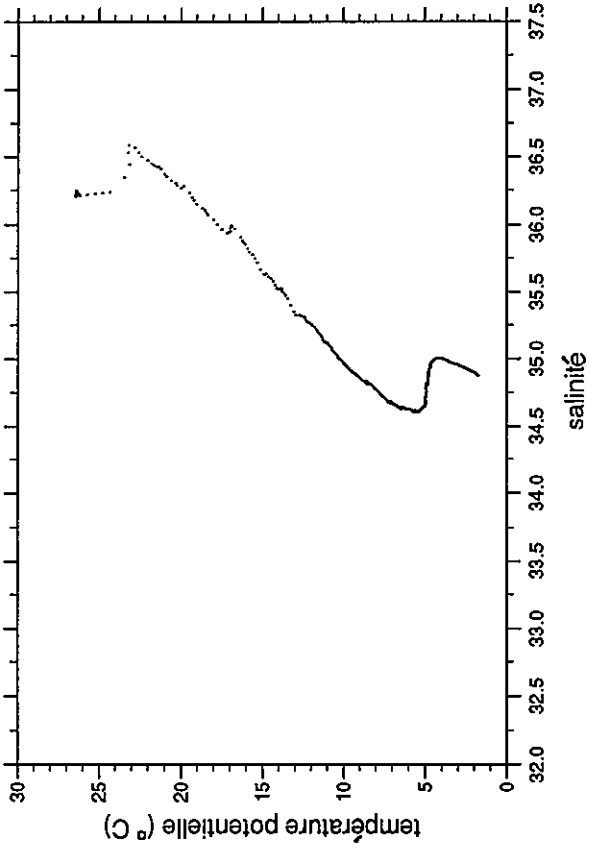
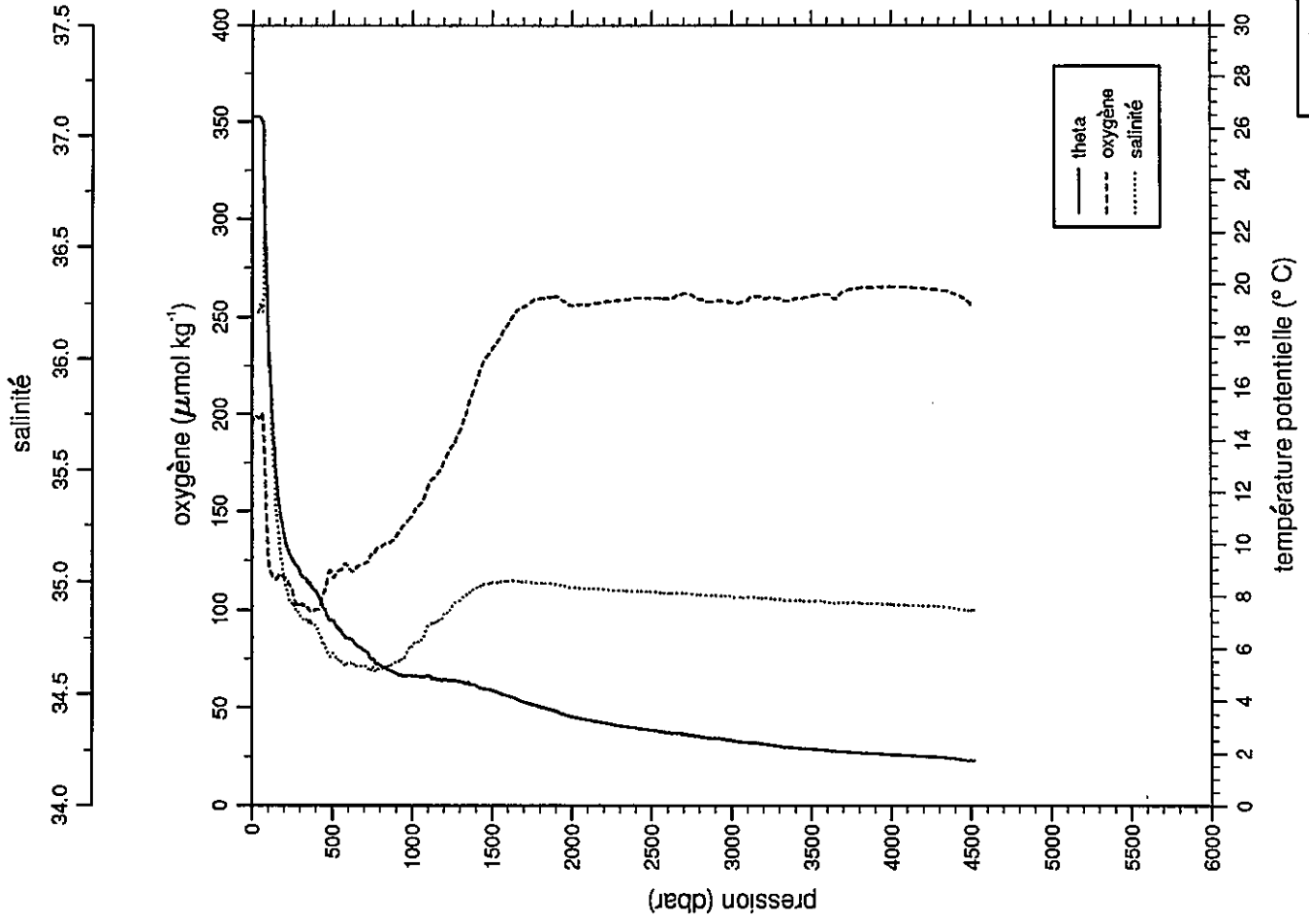
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.029	36.184	200.6	26.029	2850.	2.850	34.939	258.0	2.617
2.	26.029	36.184	199.7	26.029	2900.	2.801	34.935	257.3	2.565
3.	26.031	36.184	199.2	26.030	2950.	2.775	34.933	256.9	2.535
4.	26.030	36.183	199.7	26.029	3000.	2.751	34.931	256.8	2.506
5.	26.029	36.183	200.1	26.028	3050.	2.698	34.928	256.3	2.449
10.	26.029	36.184	201.0	26.027	3100.	2.677	34.925	256.5	2.423
20.	26.030	36.184	202.2	26.025	3150.	2.649	34.923	255.9	2.390
30.	26.031	36.184	202.7	26.024	3200.	2.612	34.921	255.1	2.349
40.	26.028	36.184	203.4	26.019	3250.	2.585	34.919	257.6	2.317
50.	26.026	36.185	202.6	26.015	3300.	2.560	34.917	257.9	2.288
100.	16.145	35.851	120.8	16.129	3350.	2.547	34.917	259.2	2.269
150.	11.421	35.162	126.2	11.402	3400.	2.527	34.917	260.1	2.245
200.	10.115	34.963	119.8	10.092	3450.	2.490	34.914	260.9	2.203
250.	9.300	34.868	115.1	9.272	3500.	2.452	34.911	260.2	2.160
300.	8.737	34.804	113.1	8.704	3550.	2.419	34.909	261.9	2.123
350.	8.280	34.766	112.7	8.243	3600.	2.407	34.908	262.9	2.106
400.	7.740	34.712	117.2	7.700	3650.	2.368	34.906	263.8	2.063
450.	7.353	34.680	120.8	7.309	3700.	2.340	34.904	264.3	2.030
500.	6.940	34.646	121.9	6.893	3750.	2.324	34.903	264.7	2.009
550.	6.575	34.622	121.2	6.525	3800.	2.312	34.902	264.9	1.991
600.	6.207	34.598	125.9	6.153	3850.	2.295	34.900	265.1	1.969
650.	5.896	34.580	127.9	5.839	3900.	2.283	34.899	265.5	1.952
700.	5.722	34.574	131.8	5.662	3950.	2.270	34.898	265.6	1.934
750.	5.408	34.553	137.0	5.344	4000.	2.259	34.896	265.2	1.918
800.	5.235	34.549	139.8	5.168	4050.	2.248	34.894	265.1	1.901
850.	5.079	34.559	143.9	5.009	4100.	2.243	34.894	264.7	1.890
900.	4.836	34.545	152.0	4.762	4150.	2.237	34.893	264.4	1.879
950.	4.865	34.593	154.0	4.787	4200.	2.225	34.891	264.1	1.861
1000.	4.942	34.641	144.9	4.859	4250.	2.216	34.889	263.5	1.847
1050.	5.015	34.692	148.2	4.927	4300.	2.202	34.887	262.8	1.827
1100.	4.895	34.717	155.8	4.804	4350.	2.193	34.885	262.0	1.813
1150.	4.914	34.749	159.0	4.818	4400.	2.179	34.882	261.5	1.794
1200.	4.987	34.801	165.7	4.885	4432.	2.165	34.881	259.4	1.777
1250.	4.977	34.841	173.9	4.871					
1300.	4.945	34.879	182.6	4.834					
1350.	5.005	34.921	191.4	4.888					
1400.	4.943	34.950	202.3	4.822					
1450.	4.842	34.977	212.6	4.717					
1500.	4.705	34.995	226.6	4.576					
1550.	4.574	35.002	234.3	4.442					
1600.	4.482	35.003	240.8	4.347					
1650.	4.350	35.003	246.3	4.212					
1700.	4.221	35.000	250.8	4.079					
1750.	4.039	34.988	249.3	3.895					
1800.	3.935	34.986	252.5	3.787					
1850.	3.855	34.984	253.8	3.704					
1900.	3.782	34.983	256.1	3.628					
1950.	3.684	34.978	256.3	3.526					
2000.	3.603	34.975	257.2	3.441					
2050.	3.552	34.974	256.9	3.386					
2100.	3.463	34.969	257.1	3.294					
2150.	3.410	34.966	256.9	3.237					
2200.	3.360	34.965	258.2	3.183					
2250.	3.295	34.962	258.9	3.114					
2300.	3.238	34.961	259.5	3.054					
2350.	3.190	34.959	260.2	3.002					
2400.	3.157	34.957	260.7	2.964					
2450.	3.128	34.956	261.2	2.931					
2500.	3.077	34.953	260.4	2.875					
2550.	3.058	34.953	260.7	2.852					
2600.	3.027	34.952	261.3	2.817					
2650.	3.003	34.950	261.3	2.788					
2700.	2.938	34.943	259.2	2.719					
2750.	2.904	34.939	257.9	2.681					
2800.	2.882	34.940	258.5	2.655					



Station 137

Station : 138 Campagne : CITHER1
 Date : 17-02-93 Navire : L'ATALANTE
 Profondeur: 4497 m Organisme : IFRIMER
 Position : N 7 30.03
 W 45 19.91

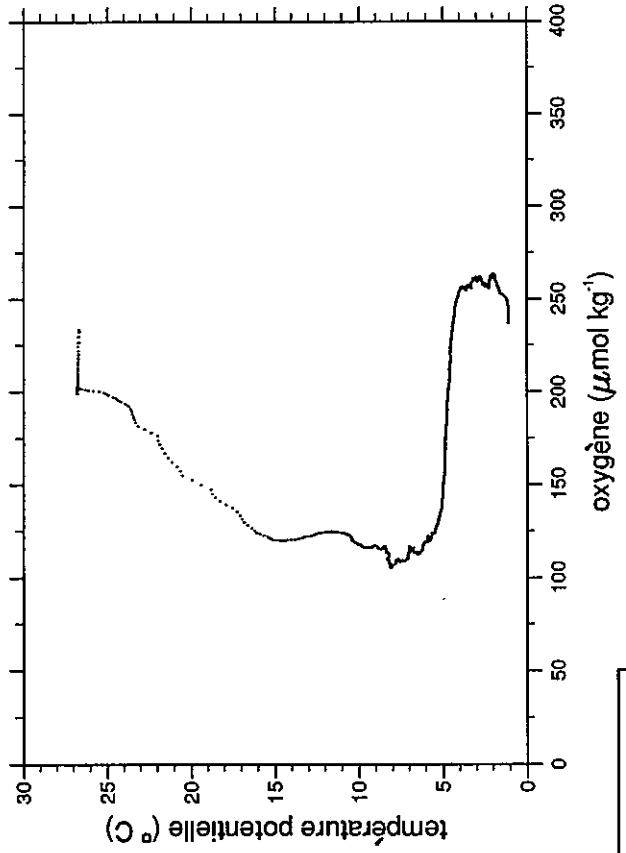
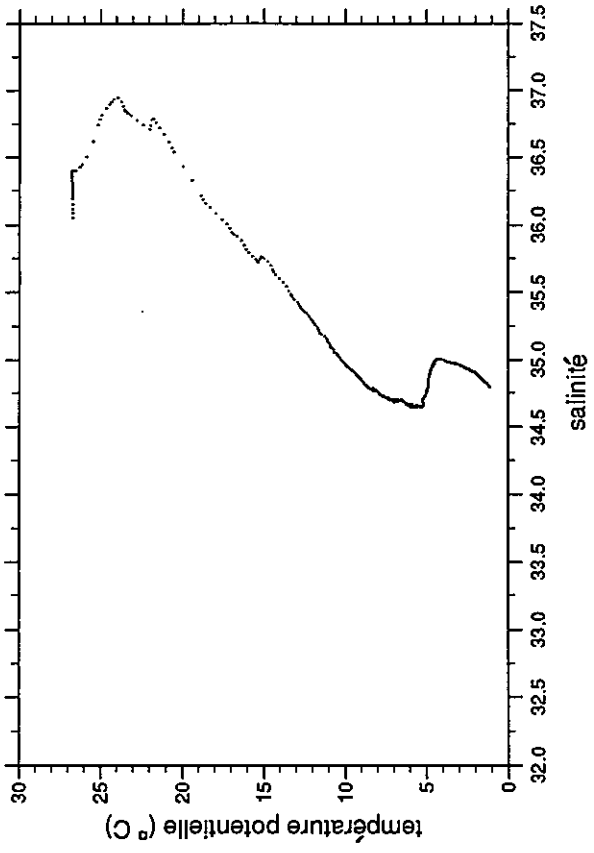
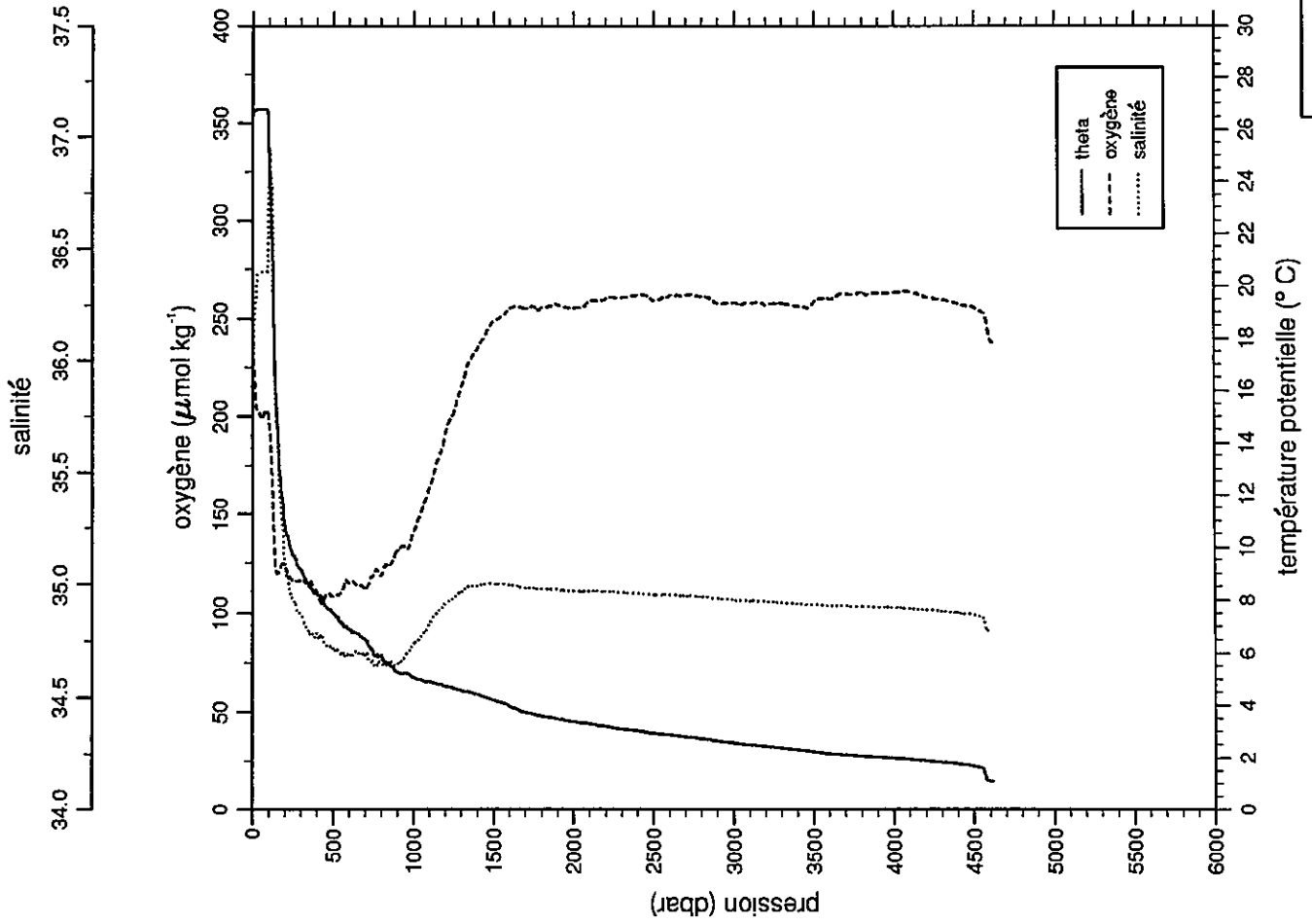
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.447	36.205	197.7	26.447	2850.	2.845	34.936	257.7	2.613
2.	26.447	36.205	197.1	26.447	2900.	2.831	34.936	257.8	2.595
3.	26.445	36.205	196.7	26.444	2950.	2.791	34.933	257.9	2.550
4.	26.445	36.205	196.4	26.444	3000.	2.758	34.931	257.3	2.512
5.	26.446	36.205	196.8	26.445	3050.	2.705	34.927	257.1	2.455
10.	26.448	36.205	198.2	26.446	3100.	2.693	34.927	258.1	2.438
20.	26.453	36.205	199.0	26.448	3150.	2.676	34.927	260.2	2.417
30.	26.451	36.208	198.5	26.445	3200.	2.643	34.924	259.3	2.379
40.	26.453	36.207	197.9	26.444	3250.	2.608	34.922	259.7	2.340
50.	26.401	36.248	198.3	26.390	3300.	2.568	34.918	259.1	2.295
100.	18.372	36.071	127.2	18.355	3350.	2.537	34.914	258.0	2.259
150.	12.619	35.322	115.7	12.599	3400.	2.513	34.914	259.2	2.231
200.	10.349	35.006	116.4	10.325	3450.	2.488	34.912	259.5	2.202
250.	9.476	34.901	110.1	9.448	3500.	2.471	34.911	260.3	2.179
300.	8.925	34.848	102.1	8.892	3550.	2.456	34.911	261.2	2.160
350.	8.557	34.814	100.6	8.520	3600.	2.432	34.909	261.5	2.130
400.	8.196	34.793	100.1	8.155	3650.	2.398	34.903	258.9	2.092
450.	7.607	34.723	109.0	7.562	3700.	2.385	34.907	262.8	2.073
500.	7.152	34.681	117.4	7.104	3750.	2.365	34.905	264.1	2.048
550.	6.763	34.649	119.6	6.711	3800.	2.349	34.904	264.7	2.027
600.	6.474	34.634	121.8	6.419	3850.	2.331	34.902	265.1	2.004
650.	6.198	34.623	121.2	6.139	3900.	2.325	34.902	265.1	1.992
700.	5.979	34.620	123.4	5.917	3950.	2.306	34.900	265.3	1.969
750.	5.690	34.611	127.9	5.625	4000.	2.288	34.899	265.5	1.946
800.	5.442	34.606	131.4	5.374	4050.	2.280	34.897	265.4	1.932
850.	5.270	34.623	133.5	5.198	4100.	2.266	34.896	265.2	1.913
900.	5.130	34.639	137.5	5.054	4150.	2.251	34.893	264.9	1.893
950.	5.006	34.662	142.9	4.927	4200.	2.238	34.892	264.5	1.874
1000.	5.033	34.709	147.6	4.949	4250.	2.233	34.891	264.2	1.863
1050.	5.016	34.738	153.3	4.927	4300.	2.225	34.890	263.8	1.849
1100.	5.042	34.800	162.9	4.949	4350.	2.201	34.886	263.1	1.821
1150.	4.942	34.819	168.7	4.845	4400.	2.171	34.881	261.6	1.786
1200.	4.914	34.853	175.5	4.812	4450.	2.135	34.876	259.7	1.744
1250.	4.897	34.893	183.4	4.791	4500.	2.110	34.872	256.4	1.715
1300.	4.845	34.917	191.4	4.734	4520.	2.113	34.872	254.7	1.715
1350.	4.811	34.952	203.3	4.696					
1400.	4.720	34.972	215.9	4.602					
1450.	4.592	34.987	227.4	4.470					
1500.	4.544	34.994	233.2	4.417					
1550.	4.444	34.998	239.2	4.314					
1600.	4.337	35.002	245.9	4.203					
1650.	4.215	35.002	252.5	4.078					
1700.	4.093	34.998	255.1	3.953					
1750.	4.004	34.997	257.8	3.861					
1800.	3.925	34.994	259.0	3.778					
1850.	3.847	34.991	259.8	3.696					
1900.	3.771	34.988	260.1	3.616					
1950.	3.654	34.978	257.8	3.497					
2000.	3.578	34.972	255.7	3.417					
2050.	3.520	34.971	256.2	3.355					
2100.	3.458	34.968	256.0	3.289					
2150.	3.400	34.966	257.1	3.227					
2200.	3.347	34.965	257.7	3.170					
2250.	3.295	34.961	257.8	3.114					
2300.	3.229	34.958	258.3	3.044					
2350.	3.189	34.956	258.5	3.000					
2400.	3.155	34.956	259.7	2.962					
2450.	3.111	34.954	259.4	2.914					
2500.	3.083	34.952	259.2	2.881					
2550.	3.039	34.949	259.4	2.833					
2600.	3.001	34.947	259.2	2.791					
2650.	2.977	34.948	260.2	2.763					
2700.	2.955	34.947	261.7	2.736					
2750.	2.917	34.943	261.1	2.694					
2800.	2.877	34.940	258.9	2.649					



Station 138

Station : 139	Campagne : CITHER1
Date : 18-02-93	Navire : L'ATALANTE
Profondeur: 4587 m	Organisme : IFREMER
Position : N 7 29.58	
W 44 39.99	

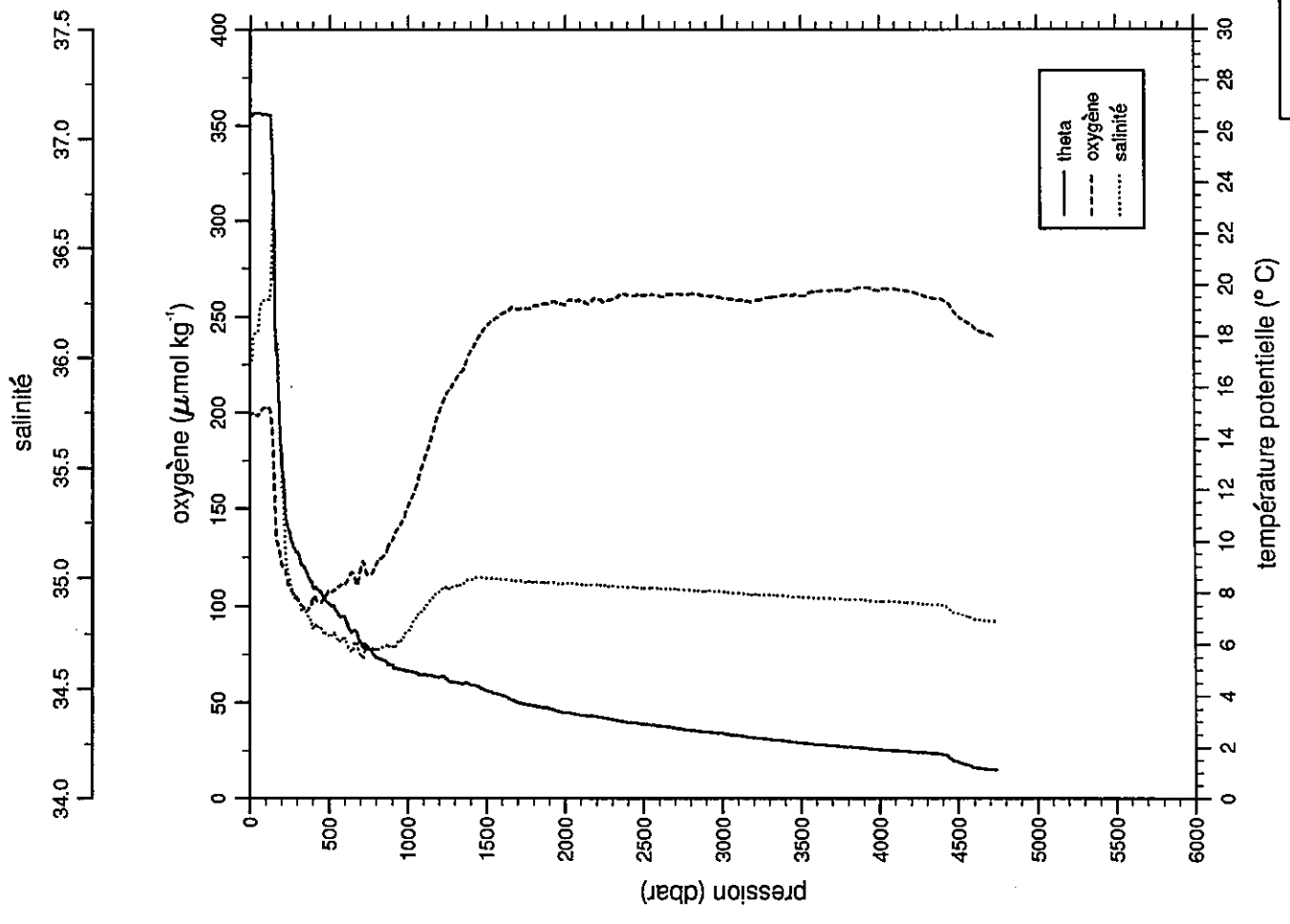
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.703	36.147	226.7	26.703	2850.	2.912	34.942	260.2	2.678
2.	26.703	36.147	229.9	26.703	2900.	2.866	34.938	258.0	2.629
3.	26.687	36.108	233.7	26.686	2950.	2.832	34.936	257.8	2.590
4.	26.684	36.086	233.1	26.683	3000.	2.803	34.934	258.0	2.557
5.	26.677	36.052	232.1	26.676	3050.	2.770	34.930	257.4	2.519
10.	26.720	36.207	220.4	26.718	3100.	2.736	34.930	257.8	2.481
20.	26.740	36.281	207.4	26.736	3150.	2.715	34.928	258.3	2.455
30.	26.778	36.387	202.6	26.771	3200.	2.697	34.927	256.6	2.432
40.	26.782	36.391	201.9	26.773	3250.	2.666	34.924	257.6	2.396
50.	26.784	36.391	199.9	26.773	3300.	2.633	34.922	257.7	2.358
100.	25.062	36.785	198.9	25.040	3350.	2.600	34.918	257.2	2.322
150.	15.187	35.760	120.5	15.164	3400.	2.578	34.917	256.4	2.294
200.	10.785	35.084	123.4	10.761	3450.	2.541	34.914	255.8	2.253
250.	9.704	34.928	116.2	9.676	3500.	2.518	34.914	258.3	2.225
300.	9.182	34.870	116.9	9.149	3550.	2.477	34.912	260.1	2.180
350.	8.582	34.791	116.3	8.545	3600.	2.448	34.908	259.9	2.146
400.	8.321	34.786	109.6	8.279	3650.	2.437	34.910	261.6	2.129
450.	7.838	34.735	108.3	7.792	3700.	2.414	34.907	262.5	2.102
500.	7.550	34.717	108.2	7.501	3750.	2.394	34.906	262.3	2.077
550.	7.207	34.696	110.1	7.154	3800.	2.378	34.905	263.2	2.056
600.	6.962	34.698	115.0	6.905	3850.	2.359	34.903	262.7	2.031
650.	6.796	34.702	113.6	6.735	3900.	2.346	34.902	262.9	2.013
700.	6.558	34.694	112.3	6.492	3950.	2.334	34.901	262.8	1.996
750.	6.104	34.663	119.1	6.037	4000.	2.324	34.899	263.1	1.980
800.	5.987	34.670	119.2	5.915	4050.	2.309	34.899	263.4	1.960
850.	5.629	34.656	123.3	5.555	4100.	2.288	34.896	263.6	1.934
900.	5.335	34.651	131.4	5.258	4150.	2.265	34.892	262.4	1.906
950.	5.324	34.691	132.7	5.243	4200.	2.241	34.888	260.8	1.877
1000.	5.158	34.736	140.4	5.073	4250.	2.224	34.886	260.2	1.854
1050.	5.058	34.774	151.0	4.969	4300.	2.199	34.883	259.6	1.825
1100.	4.997	34.826	163.3	4.904	4350.	2.177	34.880	258.8	1.798
1150.	4.929	34.875	177.3	4.832	4400.	2.145	34.876	257.7	1.760
1200.	4.844	34.923	191.4	4.742	4450.	2.109	34.870	256.7	1.720
1250.	4.769	34.940	201.6	4.664	4500.	2.064	34.866	256.0	1.670
1300.	4.668	34.968	215.3	4.559	4550.	1.986	34.857	253.4	1.588
1350.	4.605	34.987	227.9	4.492	4600.	1.490	34.799	239.4	1.103
1400.	4.527	34.997	234.7	4.410	4618.	1.489	34.798	237.1	1.100
1450.	4.414	35.002	242.1	4.293					
1500.	4.325	35.004	248.6	4.201					
1550.	4.235	35.001	251.1	4.108					
1600.	4.097	34.998	255.0	3.967					
1650.	3.988	34.994	256.7	3.854					
1700.	3.866	34.985	255.4	3.729					
1750.	3.802	34.983	256.2	3.661					
1800.	3.742	34.980	255.5	3.597					
1850.	3.681	34.978	256.2	3.532					
1900.	3.633	34.977	257.3	3.480					
1950.	3.568	34.972	255.8	3.412					
2000.	3.531	34.970	255.5	3.371					
2050.	3.483	34.968	255.6	3.319					
2100.	3.464	34.972	258.6	3.295					
2150.	3.411	34.970	259.2	3.238					
2200.	3.380	34.970	260.1	3.203					
2250.	3.320	34.966	260.7	3.139					
2300.	3.280	34.964	260.6	3.094					
2350.	3.246	34.962	261.0	3.056					
2400.	3.219	34.962	261.7	3.025					
2450.	3.181	34.960	261.8	2.982					
2500.	3.134	34.954	259.4	2.932					
2550.	3.107	34.954	260.2	2.900					
2600.	3.076	34.954	261.6	2.865					
2650.	3.052	34.952	261.8	2.836					
2700.	3.016	34.949	261.9	2.796					
2750.	2.985	34.949	261.9	2.760					
2800.	2.949	34.946	261.4	2.720					



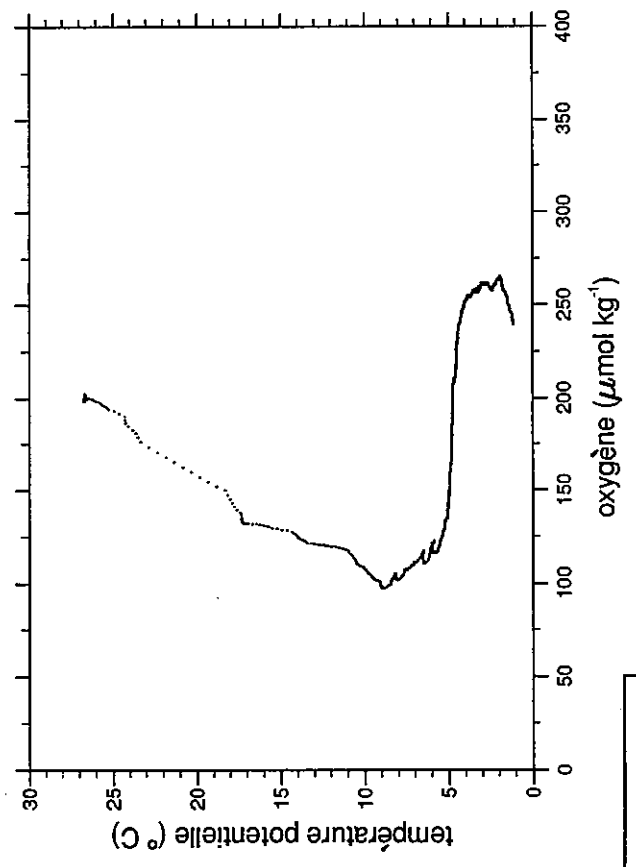
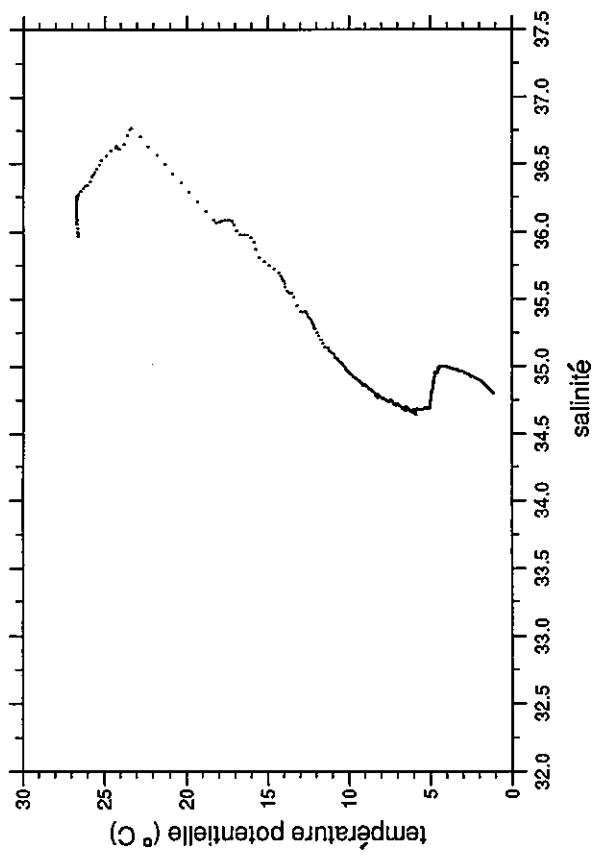
Station 139

Station	: 140	Campagne	: CITHER1
Date	: 18-02-93	Navire	: L'ATALANTE
Profondeur:	4716 m	Organisme	: IPREMER
Position	: N 7 28.01		
	W 44 0.09		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.622	35.985	199.6	26.622	2850.	2.877	34.942	261.6	2.645
2.	26.622	35.985	200.2	26.622	2900.	2.864	34.940	260.4	2.626
3.	26.600	35.964	199.7	26.600	2950.	2.838	34.939	260.6	2.596
4.	26.613	35.978	199.8	26.612	3000.	2.809	34.936	259.7	2.562
5.	26.621	35.986	199.5	26.620	3050.	2.761	34.933	259.0	2.510
10.	26.626	35.988	199.8	26.624	3100.	2.736	34.930	258.2	2.481
20.	26.708	36.090	199.6	26.704	3150.	2.694	34.927	258.3	2.435
30.	26.721	36.109	199.1	26.714	3200.	2.648	34.923	257.6	2.384
40.	26.724	36.112	198.9	26.715	3250.	2.625	34.923	258.8	2.357
50.	26.731	36.129	198.5	26.720	3300.	2.597	34.922	259.9	2.324
100.	26.704	36.261	202.5	26.681	3350.	2.558	34.919	260.3	2.280
150.	22.858	36.701	173.5	22.827	3400.	2.541	34.918	261.2	2.258
200.	13.214	35.450	121.3	13.186	3450.	2.500	34.915	261.0	2.213
250.	10.397	35.007	109.6	10.367	3500.	2.468	34.912	260.8	2.176
300.	9.605	34.917	103.4	9.571	3550.	2.446	34.911	262.1	2.150
350.	8.957	34.854	97.4	8.919	3600.	2.406	34.909	262.9	2.105
400.	8.224	34.773	104.4	8.183	3650.	2.391	34.908	263.5	2.085
450.	8.057	34.776	101.6	8.011	3700.	2.376	34.906	263.6	2.064
500.	7.614	34.742	107.2	7.564	3750.	2.357	34.905	264.0	2.041
550.	7.316	34.730	109.2	7.262	3800.	2.326	34.901	263.2	2.005
600.	7.093	34.727	110.9	7.035	3850.	2.314	34.902	264.7	1.988
650.	6.576	34.677	116.9	6.515	3900.	2.302	34.901	265.1	1.970
700.	6.133	34.659	118.8	6.070	3950.	2.267	34.896	264.7	1.931
750.	5.889	34.671	116.8	5.822	4000.	2.243	34.894	263.4	1.902
800.	5.573	34.672	121.6	5.504	4050.	2.238	34.894	264.5	1.892
850.	5.456	34.689	125.8	5.383	4100.	2.220	34.893	264.3	1.869
900.	5.289	34.693	133.2	5.213	4150.	2.204	34.890	263.5	1.847
950.	5.110	34.710	141.6	5.030	4200.	2.190	34.887	263.0	1.827
1000.	5.044	34.761	150.7	4.960	4250.	2.169	34.885	261.9	1.802
1050.	4.990	34.817	160.7	4.901	4300.	2.158	34.882	260.3	1.785
1100.	4.896	34.857	173.9	4.804	4350.	2.150	34.880	259.4	1.772
1150.	4.874	34.910	186.9	4.777	4400.	2.111	34.874	258.7	1.727
1200.	4.824	34.937	200.3	4.723	4450.	1.968	34.857	255.9	1.584
1250.	4.767	34.956	210.4	4.662	4500.	1.819	34.838	250.5	1.433
1300.	4.653	34.963	216.4	4.545	4550.	1.721	34.826	247.4	1.333
1350.	4.605	34.972	221.8	4.492	4600.	1.609	34.813	244.3	1.218
1400.	4.571	34.992	231.6	4.454	4650.	1.568	34.807	242.0	1.172
1450.	4.493	35.002	239.3	4.372	4700.	1.540	34.803	240.8	1.140
1500.	4.331	34.998	244.3	4.207	4745.	1.523	34.801	239.1	1.118
1550.	4.225	34.997	248.4	4.098					
1600.	4.145	34.996	251.6	4.014					
1650.	4.016	34.993	254.1	3.881					
1700.	3.893	34.984	253.7	3.756					
1750.	3.823	34.982	254.5	3.682					
1800.	3.781	34.983	255.4	3.636					
1850.	3.726	34.980	256.3	3.577					
1900.	3.682	34.980	257.0	3.529					
1950.	3.591	34.974	257.2	3.434					
2000.	3.535	34.972	256.4	3.375					
2050.	3.488	34.973	258.4	3.323					
2100.	3.438	34.969	258.1	3.270					
2150.	3.400	34.966	256.7	3.227					
2200.	3.394	34.970	259.4	3.216					
2250.	3.338	34.964	257.7	3.156					
2300.	3.285	34.963	258.9	3.099					
2350.	3.228	34.963	261.2	3.038					
2400.	3.179	34.959	261.1	2.986					
2450.	3.156	34.958	261.0	2.958					
2500.	3.104	34.955	261.0	2.902					
2550.	3.092	34.954	261.4	2.885					
2600.	3.052	34.951	260.8	2.841					
2650.	3.032	34.951	261.4	2.817					
2700.	2.986	34.949	261.7	2.766					
2750.	2.943	34.947	261.5	2.719					
2800.	2.909	34.944	261.7	2.681					



Station 140

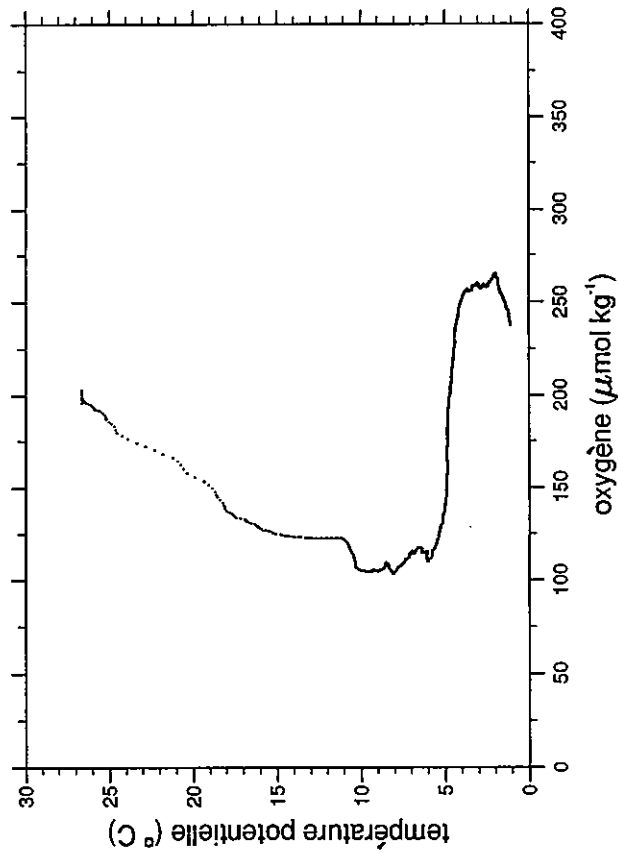
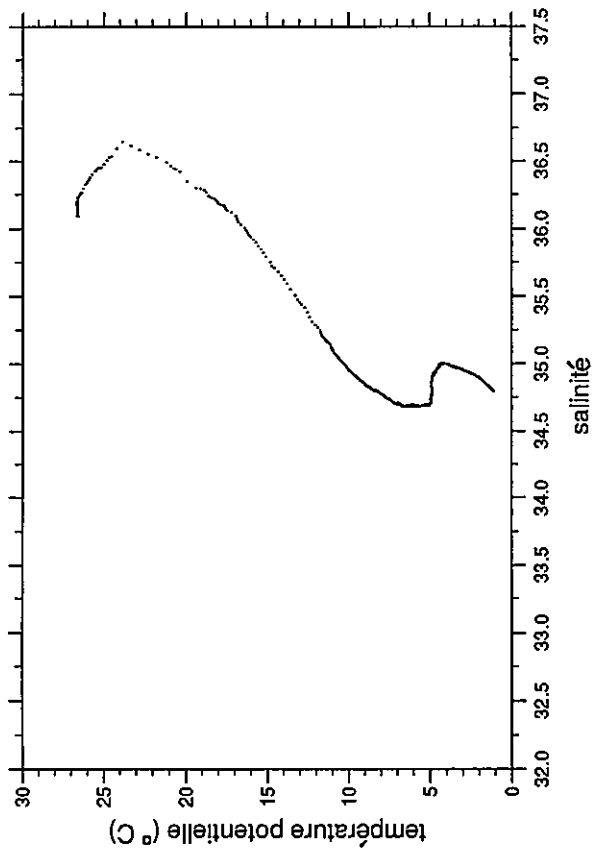
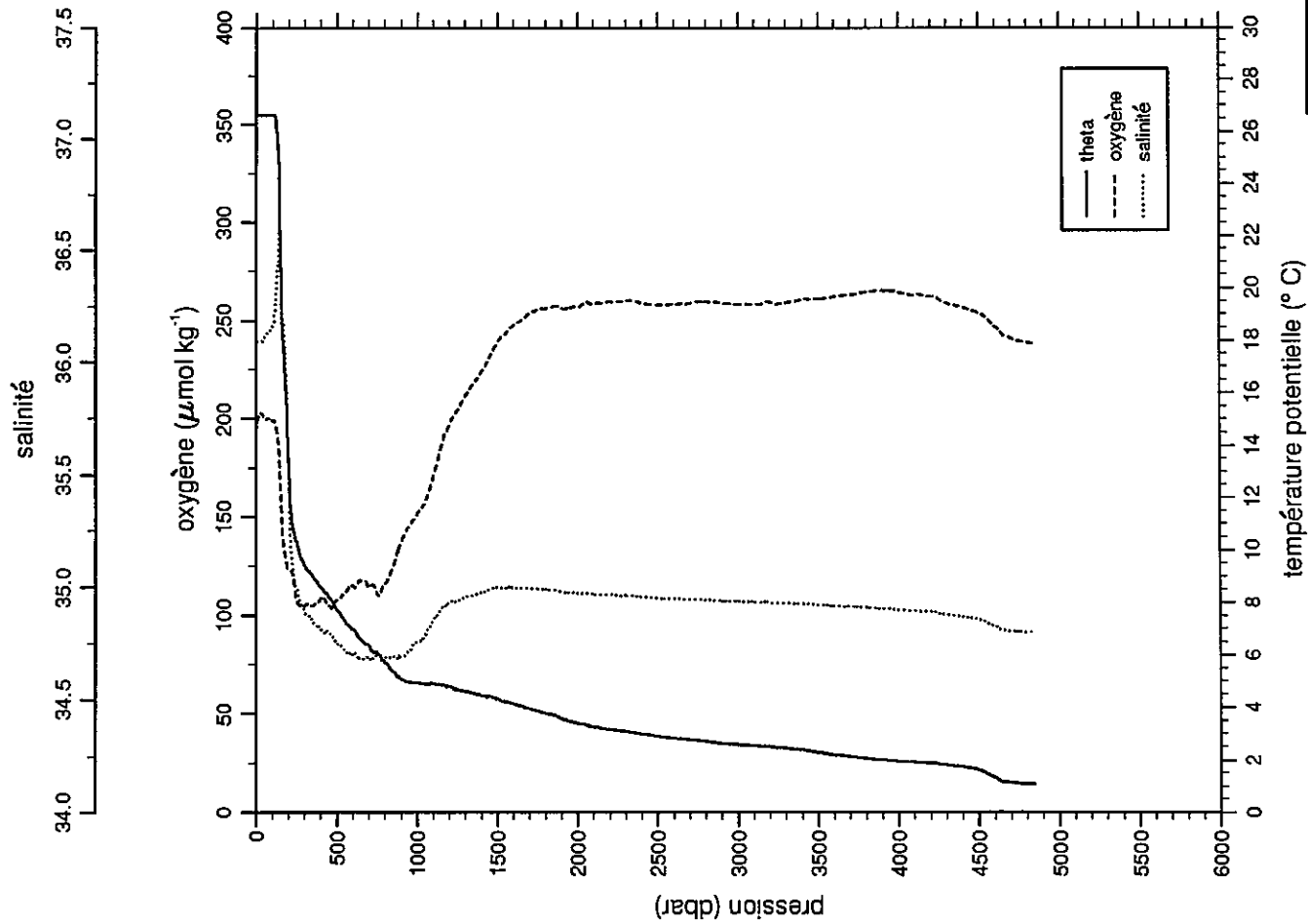


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| Station   : 141           Campagne  : CITHER1
| Date      : 18-02-93     Navire    : L'ATALANTE
| Profondeur: 4820 m      Organisme : IFREMER
| Position  : N   7 26.98
|            W  43 19.97
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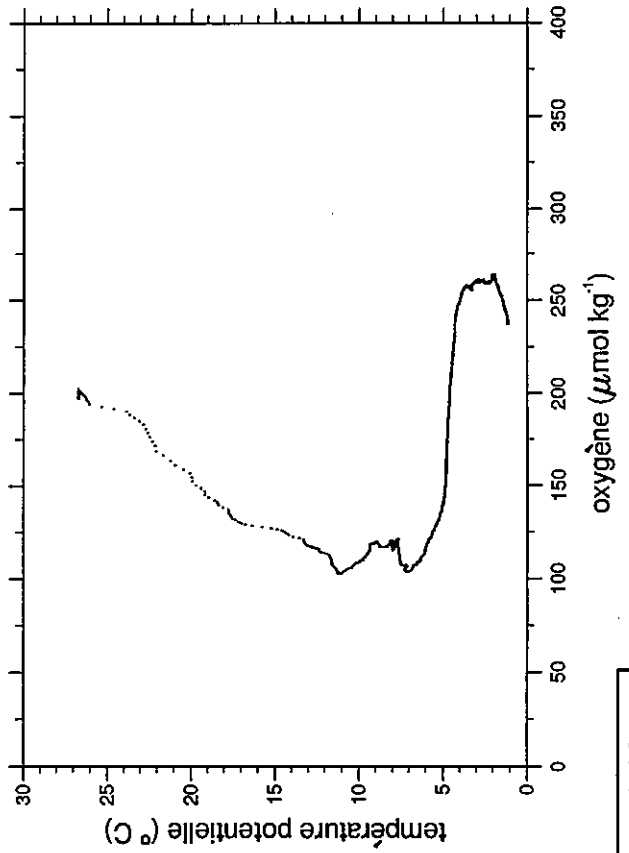
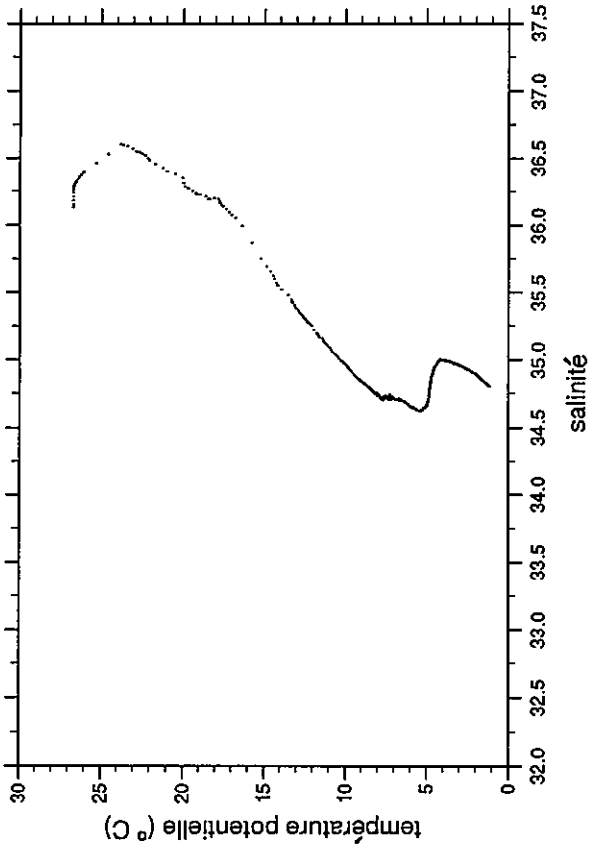
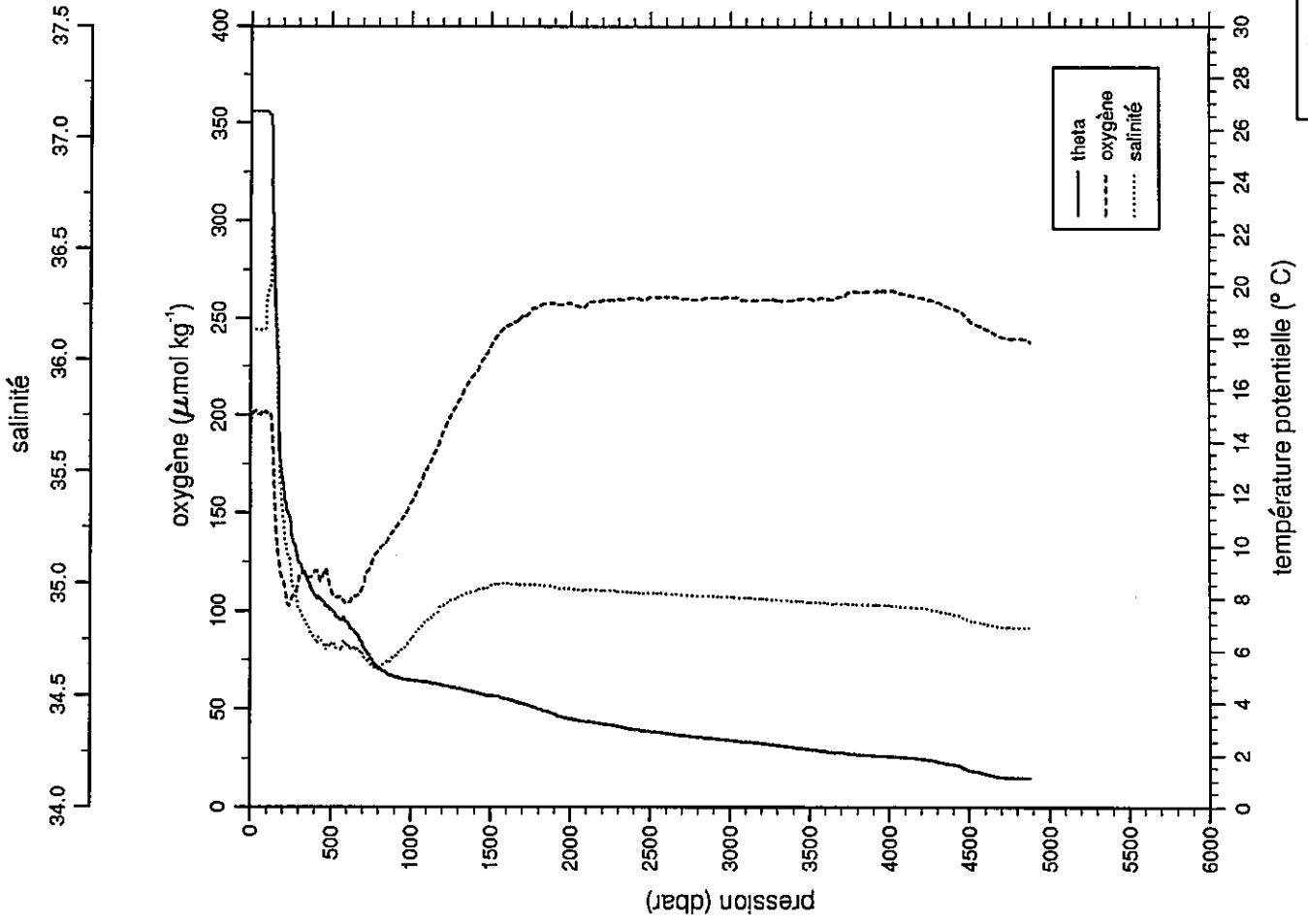
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.627	36.093	198.9	26.627	2850.	2.872	34.940	259.2	2.639
2.	26.627	36.093	197.1	26.626	2900.	2.836	34.937	258.5	2.599
3.	26.623	36.093	195.9	26.622	2950.	2.821	34.935	258.2	2.579
4.	26.623	36.092	196.2	26.622	3000.	2.803	34.934	258.1	2.557
5.	26.623	36.093	197.3	26.622	3050.	2.790	34.933	258.2	2.538
10.	26.630	36.094	200.0	26.628	3100.	2.778	34.932	258.0	2.521
20.	26.634	36.093	202.9	26.629	3150.	2.768	34.932	258.2	2.506
30.	26.636	36.094	202.5	26.629	3200.	2.749	34.931	259.2	2.483
40.	26.637	36.097	201.7	26.628	3250.	2.724	34.928	258.3	2.453
50.	26.640	36.107	200.1	26.628	3300.	2.711	34.928	258.8	2.435
100.	26.653	36.165	199.1	26.630	3350.	2.685	34.926	259.4	2.404
150.	20.923	36.462	164.3	20.894	3400.	2.661	34.925	260.3	2.375
200.	13.138	35.475	123.0	13.110	3450.	2.620	34.923	260.5	2.330
250.	10.356	35.003	107.8	10.326	3500.	2.578	34.920	260.8	2.283
300.	9.418	34.888	104.8	9.384	3550.	2.541	34.918	261.3	2.242
350.	9.019	34.849	104.8	8.980	3600.	2.502	34.915	262.0	2.199
400.	8.595	34.812	108.5	8.552	3650.	2.480	34.913	262.6	2.171
450.	8.243	34.795	105.1	8.196	3700.	2.453	34.911	262.9	2.140
500.	7.730	34.749	107.4	7.679	3750.	2.416	34.909	263.8	2.098
550.	7.313	34.716	111.6	7.259	3800.	2.381	34.907	264.5	2.058
600.	7.015	34.706	114.8	6.957	3850.	2.353	34.904	265.0	2.025
650.	6.639	34.682	117.5	6.578	3900.	2.332	34.903	265.2	2.000
700.	6.390	34.690	114.3	6.326	3950.	2.309	34.901	265.2	1.972
750.	6.146	34.698	111.4	6.079	4000.	2.287	34.898	264.4	1.945
800.	5.758	34.684	116.2	5.688	4050.	2.263	34.894	263.5	1.916
850.	5.438	34.690	125.0	5.365	4100.	2.261	34.895	263.1	1.908
900.	5.131	34.687	137.0	5.055	4150.	2.240	34.892	262.9	1.882
950.	5.011	34.712	145.2	4.932	4200.	2.237	34.891	262.3	1.873
1000.	4.988	34.755	151.3	4.905	4250.	2.198	34.884	261.1	1.829
1050.	4.943	34.786	157.4	4.855	4300.	2.161	34.879	258.8	1.788
1100.	4.973	34.857	170.7	4.880	4350.	2.129	34.874	257.5	1.751
1150.	4.926	34.903	185.8	4.829	4400.	2.098	34.870	256.4	1.715
1200.	4.876	34.927	196.5	4.775	4450.	2.051	34.864	255.0	1.664
1250.	4.752	34.940	204.2	4.647	4500.	1.998	34.857	253.8	1.607
1300.	4.703	34.954	211.5	4.594	4550.	1.847	34.841	251.3	1.455
1350.	4.645	34.966	217.7	4.531	4600.	1.733	34.826	247.0	1.338
1400.	4.575	34.977	223.8	4.458	4650.	1.572	34.807	242.6	1.176
1450.	4.539	34.992	230.8	4.417	4700.	1.542	34.804	240.8	1.141
1500.	4.438	34.997	238.7	4.313	4750.	1.514	34.800	239.4	1.109
1550.	4.331	34.996	242.9	4.202	4800.	1.504	34.797	238.9	1.093
1600.	4.253	34.997	247.3	4.120	4848.	1.502	34.797	237.3	1.085
1650.	4.160	34.996	250.3	4.023					
1700.	4.066	34.995	253.6	3.926					
1750.	3.987	34.992	255.1	3.843					
1800.	3.894	34.988	255.7	3.747					
1850.	3.832	34.987	256.9	3.682					
1900.	3.710	34.978	256.0	3.556					
1950.	3.623	34.975	256.4	3.465					
2000.	3.550	34.972	256.4	3.389					
2050.	3.509	34.975	259.0	3.344					
2100.	3.430	34.969	258.2	3.261					
2150.	3.380	34.967	258.7	3.208					
2200.	3.344	34.966	259.4	3.167					
2250.	3.306	34.964	259.7	3.125					
2300.	3.263	34.963	259.8	3.078					
2350.	3.229	34.961	259.9	3.039					
2400.	3.176	34.956	258.6	2.983					
2450.	3.139	34.954	258.0	2.942					
2500.	3.086	34.950	257.5	2.884					
2550.	3.048	34.949	257.7	2.842					
2600.	3.020	34.948	257.7	2.810					
2650.	2.993	34.948	258.5	2.778					
2700.	2.959	34.945	258.5	2.740					
2750.	2.939	34.945	259.1	2.715					
2800.	2.905	34.943	259.4	2.677					



Station 141

Station	: 142	Campagne	: CITHER1
Date	: 19-02-93	Navire	: L'ATALANTE
Profondeur	: 4853 m	Organisme	: IFREMER
Position	: N 7 26.93		
	W 42 40.01		

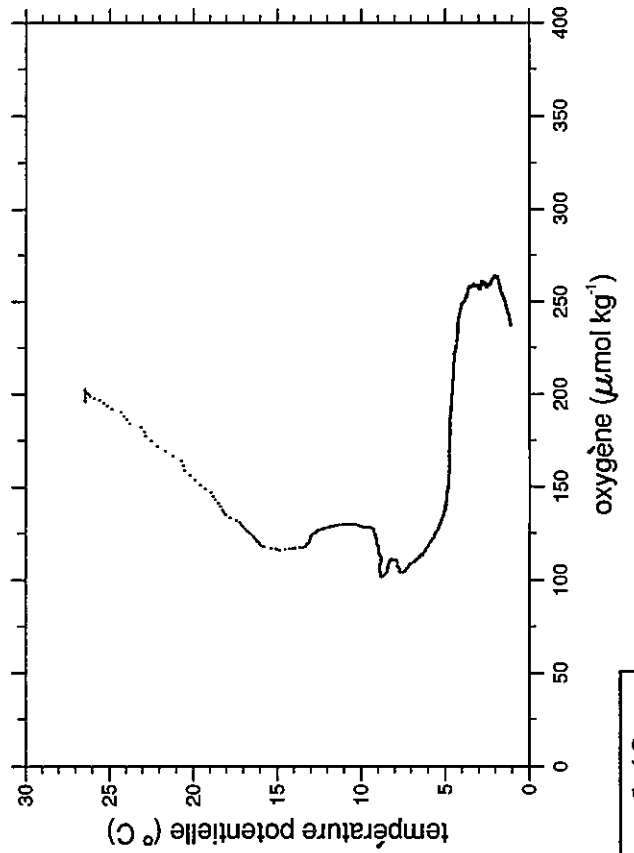
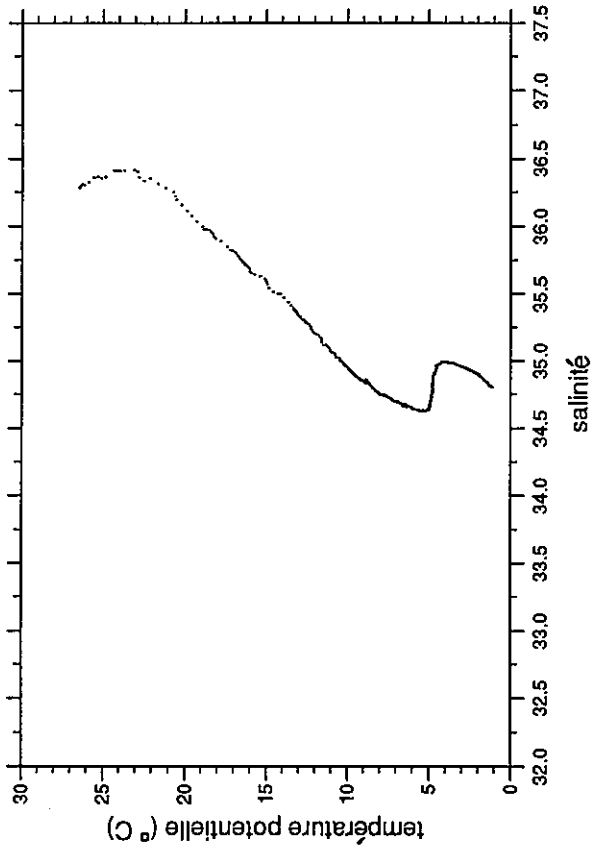
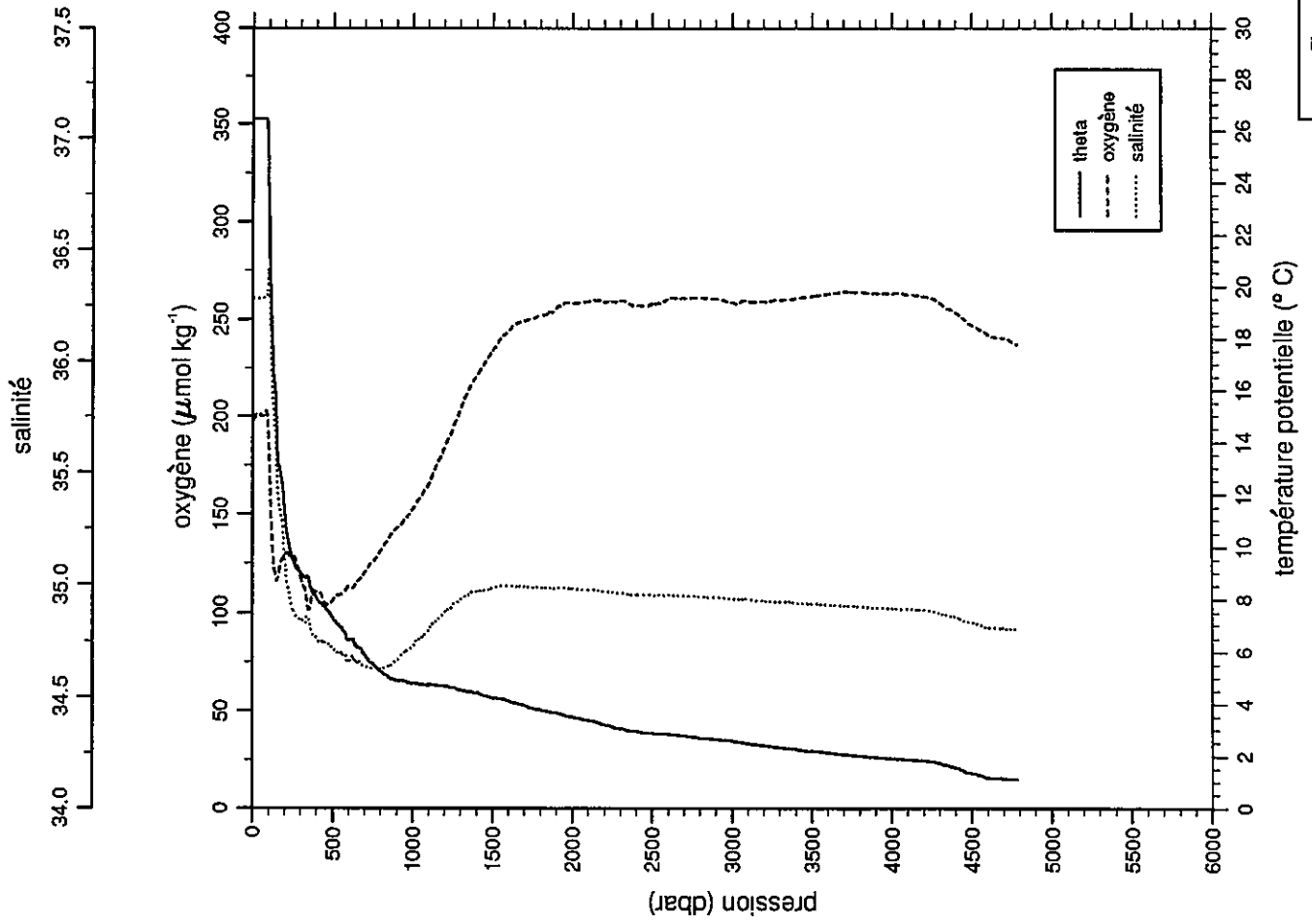
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.703	36.133	199.3	26.703	2850.	2.886	34.943	260.5	2.653
2.	26.698	36.133	197.6	26.698	2900.	2.856	34.941	260.5	2.619
3.	26.700	36.133	197.5	26.699	2950.	2.837	34.940	260.4	2.594
4.	26.701	36.133	198.0	26.700	3000.	2.806	34.938	260.8	2.559
5.	26.701	36.133	198.5	26.700	3050.	2.783	34.935	260.7	2.532
10.	26.705	36.133	200.0	26.703	3100.	2.754	34.932	259.2	2.498
20.	26.710	36.133	201.5	26.705	3150.	2.738	34.932	259.3	2.477
30.	26.712	36.134	202.1	26.706	3200.	2.706	34.930	259.7	2.441
40.	26.715	36.134	202.1	26.706	3250.	2.676	34.927	259.7	2.406
50.	26.717	36.134	200.4	26.706	3300.	2.639	34.925	259.1	2.365
100.	26.712	36.258	201.2	26.689	3350.	2.603	34.921	258.8	2.324
150.	20.068	36.351	156.7	20.040	3400.	2.573	34.920	259.4	2.290
200.	12.527	35.306	116.4	12.500	3450.	2.536	34.918	260.0	2.248
250.	10.908	35.076	104.4	10.877	3500.	2.508	34.915	260.3	2.216
300.	9.391	34.880	116.0	9.358	3550.	2.475	34.913	259.7	2.178
350.	8.824	34.820	117.9	8.786	3600.	2.441	34.910	260.3	2.139
400.	8.134	34.744	120.1	8.092	3650.	2.404	34.907	259.6	2.098
450.	7.902	34.728	117.6	7.856	3700.	2.387	34.906	261.0	2.076
500.	7.597	34.721	111.6	7.547	3750.	2.366	34.906	263.6	2.050
550.	7.305	34.708	107.1	7.251	3800.	2.334	34.902	263.5	2.012
600.	7.158	34.724	103.7	7.099	3850.	2.320	34.901	263.7	1.993
650.	6.749	34.709	107.5	6.688	3900.	2.305	34.901	263.8	1.974
700.	6.278	34.684	112.1	6.214	3950.	2.300	34.900	264.0	1.963
750.	5.752	34.636	122.6	5.686	4000.	2.290	34.898	263.9	1.948
800.	5.367	34.622	130.9	5.299	4050.	2.272	34.896	263.7	1.924
850.	5.216	34.646	135.4	5.145	4100.	2.252	34.891	262.2	1.899
900.	5.052	34.667	141.6	4.977	4150.	2.241	34.891	261.5	1.883
950.	4.978	34.705	147.1	4.899	4200.	2.215	34.887	260.6	1.852
1000.	4.921	34.748	154.4	4.838	4250.	2.178	34.882	259.6	1.810
1050.	4.885	34.792	162.8	4.797	4300.	2.128	34.876	258.4	1.756
1100.	4.860	34.832	171.7	4.768	4350.	2.060	34.868	256.3	1.684
1150.	4.795	34.862	180.4	4.699	4400.	2.017	34.862	254.7	1.636
1200.	4.753	34.898	190.5	4.652	4450.	1.933	34.852	253.0	1.549
1250.	4.691	34.922	199.4	4.587	4500.	1.783	34.833	248.8	1.398
1300.	4.648	34.937	207.0	4.539	4550.	1.744	34.828	246.4	1.354
1350.	4.573	34.955	215.0	4.460	4600.	1.665	34.819	244.5	1.272
1400.	4.506	34.964	220.7	4.389	4650.	1.596	34.810	242.4	1.200
1450.	4.449	34.976	228.1	4.329	4700.	1.534	34.803	240.2	1.134
1500.	4.406	34.988	234.6	4.281	4750.	1.530	34.802	239.3	1.124
1550.	4.371	34.998	241.4	4.241	4800.	1.532	34.801	239.1	1.120
1600.	4.274	34.997	245.9	4.141	4850.	1.536	34.800	238.8	1.117
1650.	4.189	34.995	247.8	4.053	4880.	1.537	34.800	237.2	1.116
1700.	4.094	34.994	250.7	3.954					
1750.	4.023	34.995	253.4	3.879					
1800.	3.909	34.990	255.6	3.762					
1850.	3.807	34.987	257.6	3.657					
1900.	3.711	34.983	257.7	3.557					
1950.	3.595	34.976	256.8	3.438					
2000.	3.540	34.976	257.7	3.380					
2050.	3.479	34.970	256.0	3.314					
2100.	3.448	34.971	256.2	3.279					
2150.	3.407	34.970	258.7	3.234					
2200.	3.356	34.968	259.0	3.179					
2250.	3.323	34.966	259.1	3.142					
2300.	3.262	34.963	259.8	3.077					
2350.	3.208	34.961	259.8	3.019					
2400.	3.152	34.956	260.2	2.959					
2450.	3.121	34.954	259.6	2.924					
2500.	3.099	34.956	260.8	2.897					
2550.	3.071	34.954	261.0	2.865					
2600.	3.034	34.953	261.1	2.824					
2650.	3.000	34.950	260.8	2.785					
2700.	2.961	34.947	260.0	2.741					
2750.	2.933	34.945	259.7	2.710					
2800.	2.898	34.943	259.6	2.670					



Station 142

Station : 143	Campagne : CITHER1
Date : 19-02-93	Navire : L'ATALANTE
Profondeur: 4758 m	Organisme : IFRIMER
Position : N 7 26.93	
	W 41 59.93

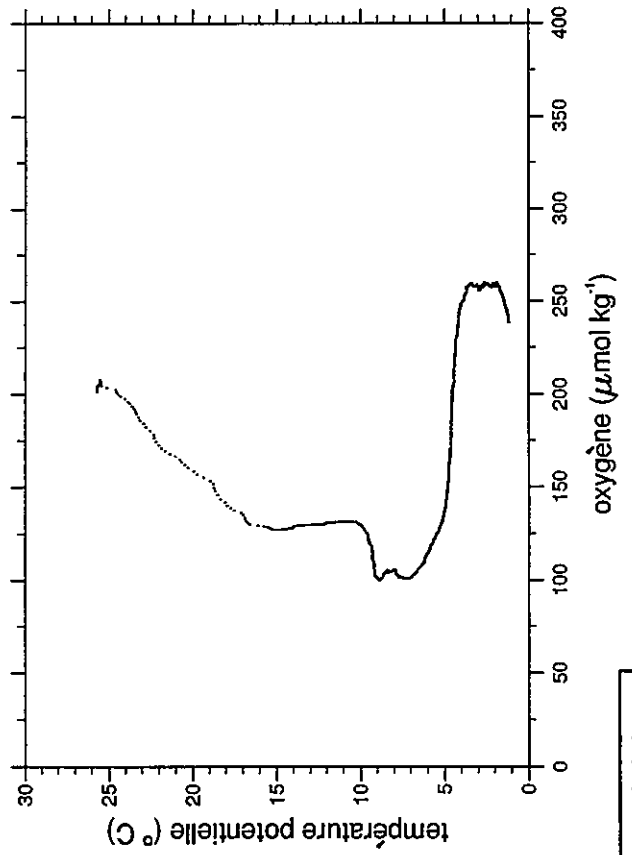
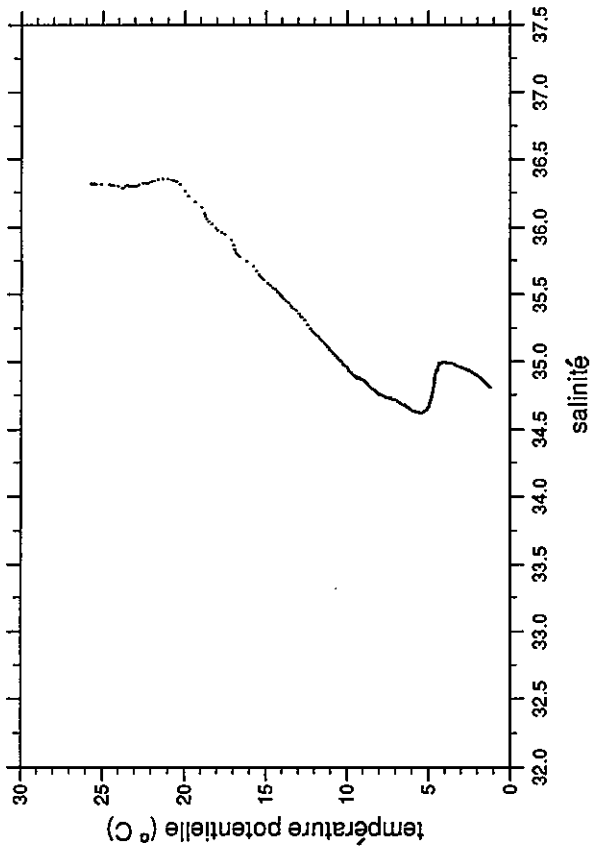
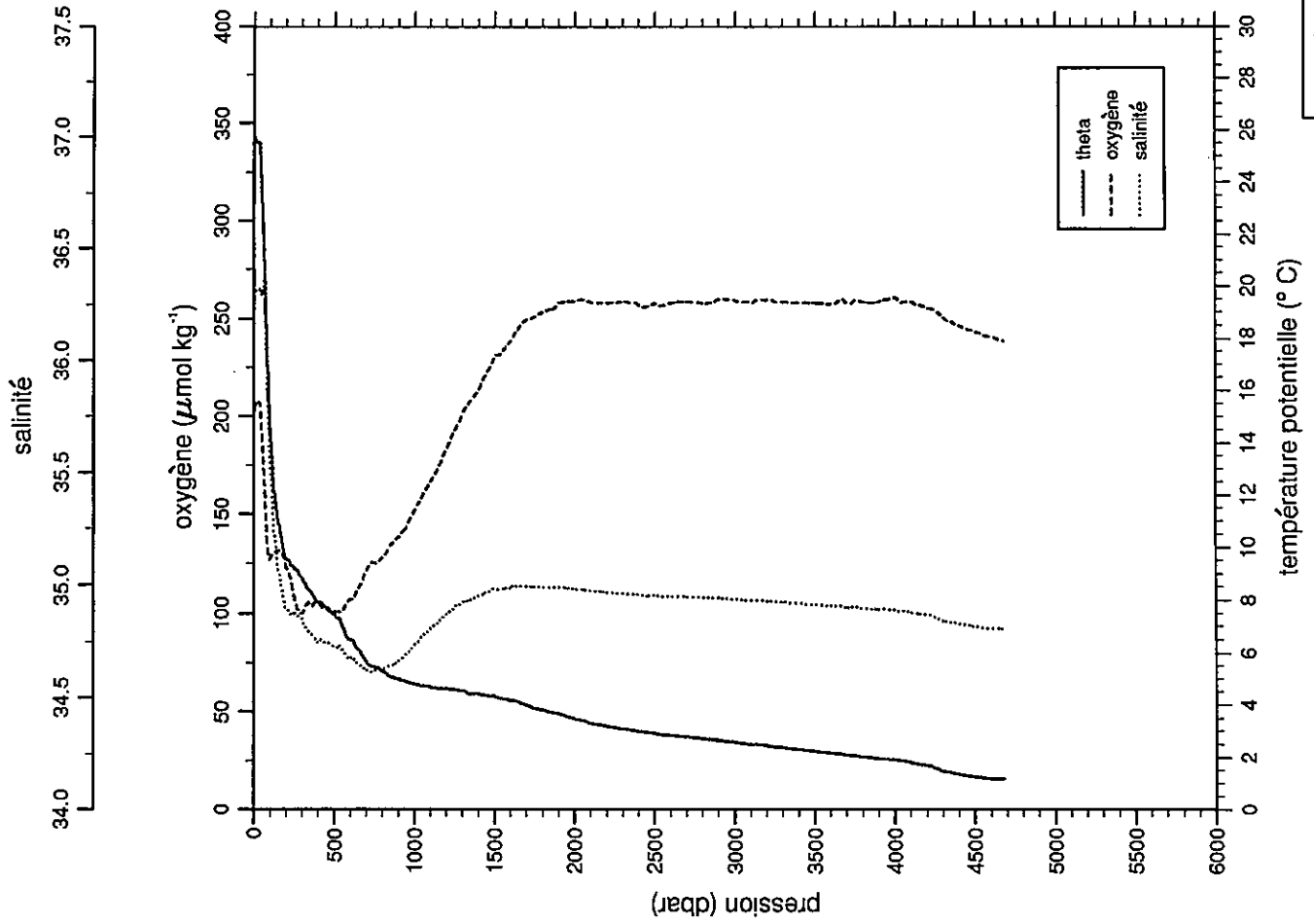
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.456	36.281	198.3	26.455	2850.	2.906	34.943	260.5	2.673
2.	26.456	36.281	198.3	26.455	2900.	2.883	34.942	260.1	2.645
3.	26.456	36.281	195.6	26.455	2950.	2.854	34.938	259.4	2.612
4.	26.454	36.281	196.3	26.454	3000.	2.822	34.935	258.3	2.575
5.	26.455	36.281	197.2	26.453	3050.	2.784	34.934	258.2	2.533
10.	26.456	36.281	198.8	26.454	3100.	2.732	34.931	259.0	2.476
20.	26.459	36.281	200.6	26.455	3150.	2.697	34.929	258.7	2.438
30.	26.461	36.281	200.9	26.454	3200.	2.676	34.927	258.9	2.411
40.	26.462	36.281	201.5	26.453	3250.	2.640	34.924	259.2	2.371
50.	26.464	36.281	200.3	26.452	3300.	2.597	34.922	259.7	2.323
100.	23.771	36.413	184.3	23.750	3350.	2.586	34.920	259.8	2.308
150.	14.865	35.548	116.3	14.842	3400.	2.555	34.918	260.4	2.272
200.	11.345	35.119	129.6	11.319	3450.	2.517	34.916	261.2	2.230
250.	9.544	34.892	128.2	9.515	3500.	2.493	34.915	261.6	2.201
300.	9.000	34.840	117.5	8.967	3550.	2.470	34.913	262.3	2.172
350.	8.841	34.852	101.6	8.803	3600.	2.441	34.911	262.8	2.139
400.	8.088	34.760	110.5	8.047	3650.	2.402	34.908	263.4	2.096
450.	7.770	34.745	105.0	7.725	3700.	2.375	34.907	264.0	2.064
500.	7.355	34.716	106.0	7.306	3750.	2.358	34.905	263.9	2.042
550.	6.997	34.695	109.2	6.945	3800.	2.327	34.903	263.8	2.006
600.	6.502	34.655	113.5	6.446	3850.	2.307	34.899	263.5	1.981
650.	6.266	34.653	115.3	6.207	3900.	2.285	34.898	263.1	1.954
700.	5.932	34.636	120.5	5.870	3950.	2.273	34.897	263.0	1.936
750.	5.630	34.628	125.6	5.565	4000.	2.253	34.895	262.7	1.912
800.	5.332	34.626	131.3	5.264	4050.	2.240	34.893	263.6	1.893
850.	5.097	34.635	137.5	5.026	4100.	2.225	34.891	262.6	1.873
900.	4.982	34.657	142.8	4.908	4150.	2.212	34.889	262.2	1.854
950.	4.975	34.698	146.9	4.896	4200.	2.203	34.888	261.5	1.840
1000.	4.890	34.726	152.3	4.807	4250.	2.183	34.884	260.7	1.815
1050.	4.850	34.762	158.8	4.763	4300.	2.109	34.874	258.3	1.737
1100.	4.871	34.805	164.8	4.779	4350.	2.037	34.865	255.5	1.662
1150.	4.821	34.845	174.8	4.725	4400.	1.953	34.854	253.5	1.574
1200.	4.816	34.879	183.8	4.715	4450.	1.832	34.840	250.4	1.452
1250.	4.747	34.911	192.8	4.642	4500.	1.741	34.829	247.1	1.357
1300.	4.655	34.931	203.5	4.546	4550.	1.667	34.820	244.8	1.280
1350.	4.609	34.953	212.9	4.496	4600.	1.566	34.807	241.9	1.177
1400.	4.566	34.970	220.7	4.449	4650.	1.560	34.806	240.7	1.165
1450.	4.442	34.974	227.3	4.321	4700.	1.550	34.804	240.0	1.149
1500.	4.360	34.981	233.8	4.236	4750.	1.520	34.800	238.5	1.114
1550.	4.341	34.994	239.9	4.212	4782.	1.521	34.800	237.1	1.112
1600.	4.258	34.993	244.0	4.126					
1650.	4.151	34.991	247.8	4.015					
1700.	4.082	34.987	249.2	3.943					
1750.	3.981	34.985	250.3	3.838					
1800.	3.930	34.985	252.2	3.782					
1850.	3.873	34.985	253.4	3.721					
1900.	3.823	34.986	255.5	3.668					
1950.	3.725	34.984	257.9	3.566					
2000.	3.666	34.981	258.1	3.503					
2050.	3.598	34.977	258.4	3.432					
2100.	3.548	34.976	258.7	3.378					
2150.	3.491	34.975	259.6	3.317					
2200.	3.380	34.967	258.5	3.202					
2250.	3.313	34.965	259.0	3.132					
2300.	3.255	34.962	259.1	3.070					
2350.	3.172	34.955	258.3	2.983					
2400.	3.146	34.953	256.8	2.953					
2450.	3.103	34.952	256.5	2.906					
2500.	3.089	34.953	257.7	2.887					
2550.	3.070	34.952	258.2	2.863					
2600.	3.060	34.953	260.3	2.849					
2650.	3.031	34.951	260.6	2.815					
2700.	3.000	34.950	260.7	2.780					
2750.	2.968	34.947	260.7	2.744					
2800.	2.930	34.945	260.7	2.701					



Station 143

Station : 144 Campagne : CITHERI
 Date : 19-02-93 Navire : L'ATALANTE
 Profondeur: 4655 m Organisme : IFREMER
 Position : N 7 30.52
 W 41 20.99

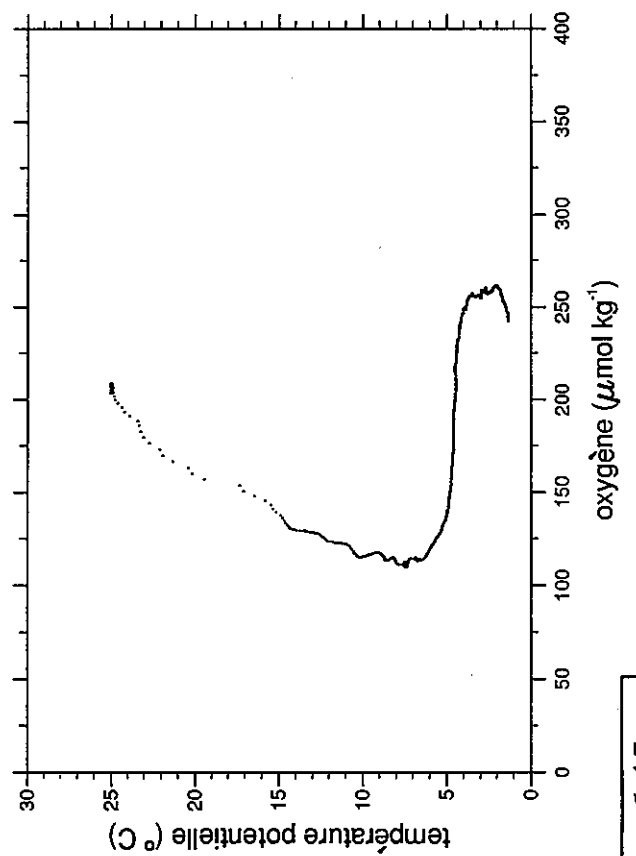
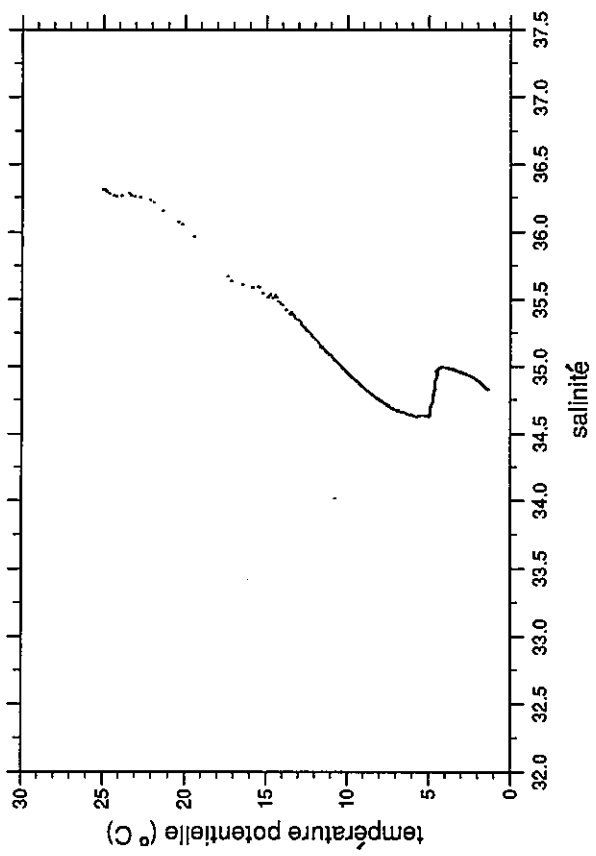
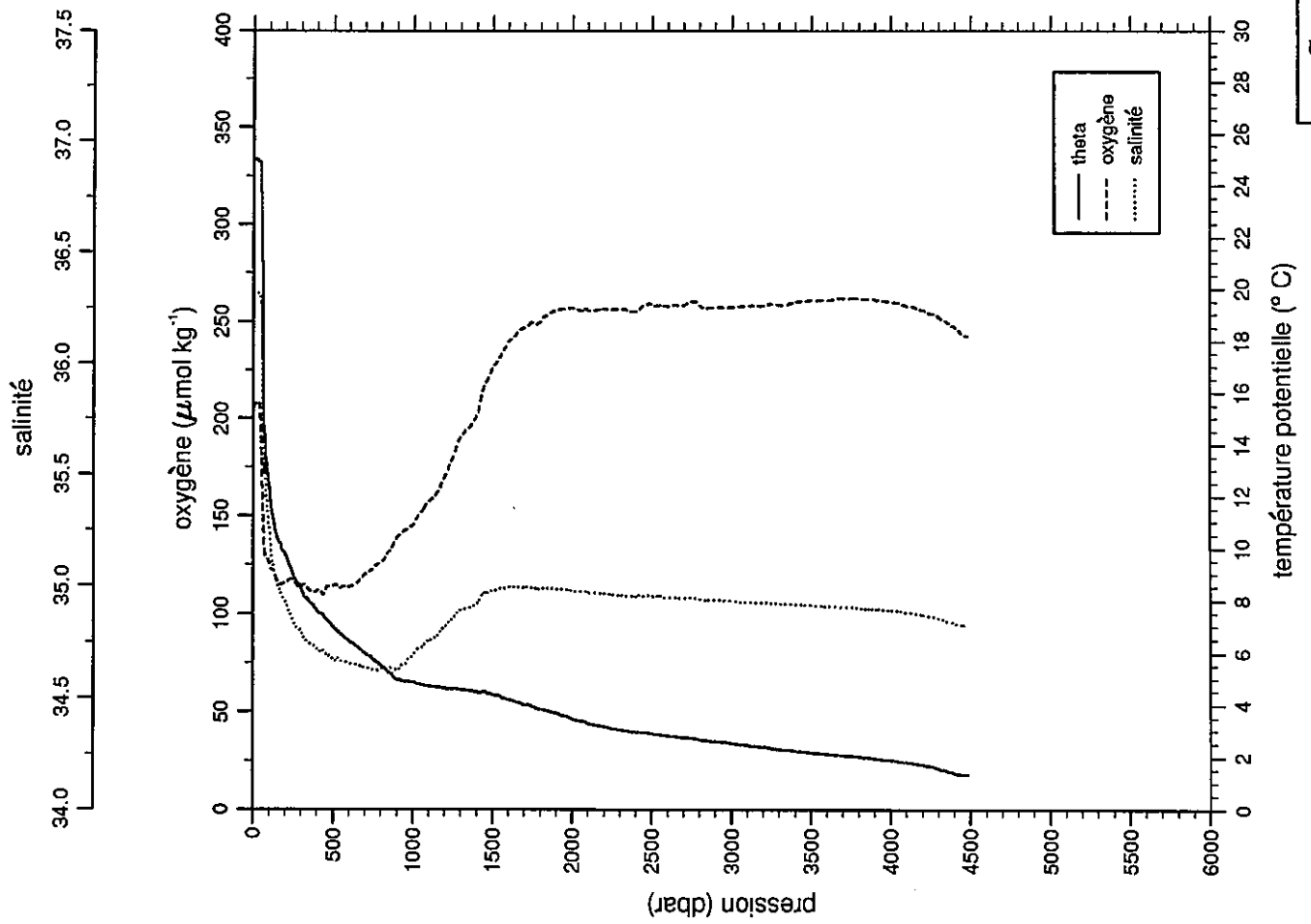
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.633	36.315	204.9	25.632	2850.	2.907	34.941	258.1	2.674
2.	25.704	36.318	202.4	25.703	2900.	2.881	34.942	259.6	2.643
3.	25.701	36.318	201.4	25.700	2950.	2.851	34.939	259.7	2.609
4.	25.700	36.319	202.7	25.699	3000.	2.807	34.935	259.1	2.560
5.	25.692	36.318	203.8	25.691	3050.	2.787	34.934	258.3	2.536
10.	25.560	36.314	206.0	25.558	3100.	2.747	34.930	258.2	2.491
20.	25.527	36.317	207.5	25.523	3150.	2.742	34.932	259.5	2.481
30.	25.509	36.317	206.6	25.502	3200.	2.720	34.929	259.4	2.454
40.	25.115	36.316	203.8	25.106	3250.	2.671	34.925	258.5	2.401
50.	23.414	36.306	190.8	23.403	3300.	2.644	34.923	258.3	2.370
100.	14.414	35.534	127.6	14.399	3350.	2.613	34.920	258.0	2.334
150.	10.919	35.070	131.6	10.900	3400.	2.583	34.918	257.9	2.300
200.	9.576	34.896	122.9	9.553	3450.	2.548	34.915	257.8	2.260
250.	9.206	34.868	108.5	9.179	3500.	2.528	34.913	257.8	2.234
300.	8.852	34.846	100.0	8.820	3550.	2.508	34.911	257.7	2.210
350.	8.375	34.795	104.4	8.339	3600.	2.456	34.907	257.2	2.154
400.	7.944	34.748	105.6	7.904	3650.	2.446	34.908	258.6	2.139
450.	7.790	34.743	102.6	7.744	3700.	2.387	34.900	257.8	2.075
500.	7.496	34.729	101.2	7.446	3750.	2.379	34.902	259.0	2.062
550.	7.062	34.715	101.2	7.009	3800.	2.333	34.897	258.4	2.012
600.	6.549	34.678	106.9	6.493	3850.	2.311	34.894	258.0	1.985
650.	6.189	34.650	112.4	6.130	3900.	2.273	34.892	258.3	1.942
700.	5.746	34.623	121.2	5.685	3950.	2.258	34.892	259.6	1.922
750.	5.526	34.621	125.4	5.462	4000.	2.249	34.892	260.4	1.908
800.	5.365	34.626	128.3	5.297	4050.	2.209	34.885	258.2	1.863
850.	5.151	34.642	134.1	5.080	4100.	2.143	34.879	258.4	1.794
900.	5.065	34.664	138.1	4.990	4150.	2.082	34.873	257.0	1.728
950.	4.982	34.701	143.4	4.903	4200.	2.045	34.867	255.5	1.687
1000.	4.883	34.736	151.4	4.800	4250.	1.962	34.857	254.1	1.600
1050.	4.818	34.775	159.4	4.732	4300.	1.826	34.841	250.8	1.463
1100.	4.767	34.805	166.5	4.676	4350.	1.786	34.835	248.4	1.419
1150.	4.724	34.834	173.7	4.629	4400.	1.715	34.827	246.4	1.344
1200.	4.725	34.871	183.4	4.625	4450.	1.667	34.820	244.6	1.292
1250.	4.684	34.897	192.2	4.580	4500.	1.628	34.816	243.2	1.248
1300.	4.647	34.924	200.9	4.538	4550.	1.582	34.809	241.8	1.197
1350.	4.536	34.935	207.7	4.424	4600.	1.554	34.805	240.4	1.164
1400.	4.552	34.950	213.4	4.435	4650.	1.557	34.805	239.2	1.161
1450.	4.489	34.966	222.0	4.368	4682.	1.558	34.805	238.4	1.159
1500.	4.446	34.982	229.8	4.320					
1550.	4.358	34.979	232.8	4.229					
1600.	4.283	34.986	238.3	4.150					
1650.	4.244	34.996	244.9	4.107					
1700.	4.114	34.992	249.3	3.974					
1750.	3.999	34.988	250.8	3.856					
1800.	3.943	34.987	252.9	3.795					
1850.	3.871	34.986	254.6	3.720					
1900.	3.823	34.988	257.9	3.668					
1950.	3.727	34.984	258.4	3.568					
2000.	3.651	34.982	258.9	3.489					
2050.	3.561	34.977	259.5	3.395					
2100.	3.469	34.972	258.3	3.300					
2150.	3.411	34.968	257.7	3.238					
2200.	3.361	34.966	257.8	3.184					
2250.	3.318	34.963	257.7	3.136					
2300.	3.271	34.962	258.6	3.086					
2350.	3.232	34.960	258.0	3.043					
2400.	3.170	34.953	256.9	2.977					
2450.	3.136	34.951	255.9	2.938					
2500.	3.121	34.952	257.5	2.919					
2550.	3.053	34.948	256.4	2.847					
2600.	3.033	34.949	257.6	2.822					
2650.	3.015	34.948	258.4	2.800					
2700.	2.982	34.946	258.3	2.763					
2750.	2.960	34.945	258.2	2.736					
2800.	2.938	34.943	257.7	2.709					



Station 144

Station	: 145	Campagne	: CITHER1
Date	: 20-02-93	Navire	: L'ATALANTE
Profondeur:	4451 m	Organisme	: IFREMER
Position	: N 7 30.21		
	W 40 37.68		

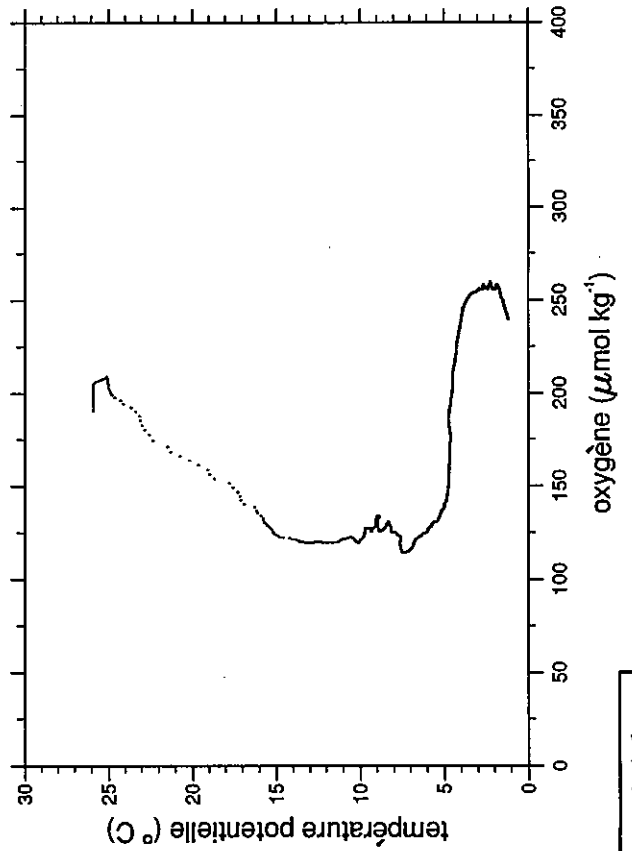
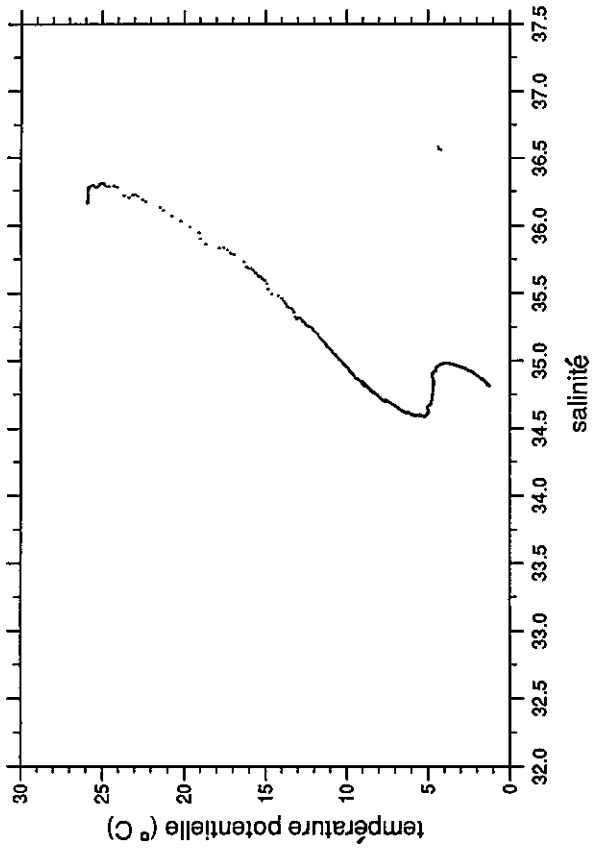
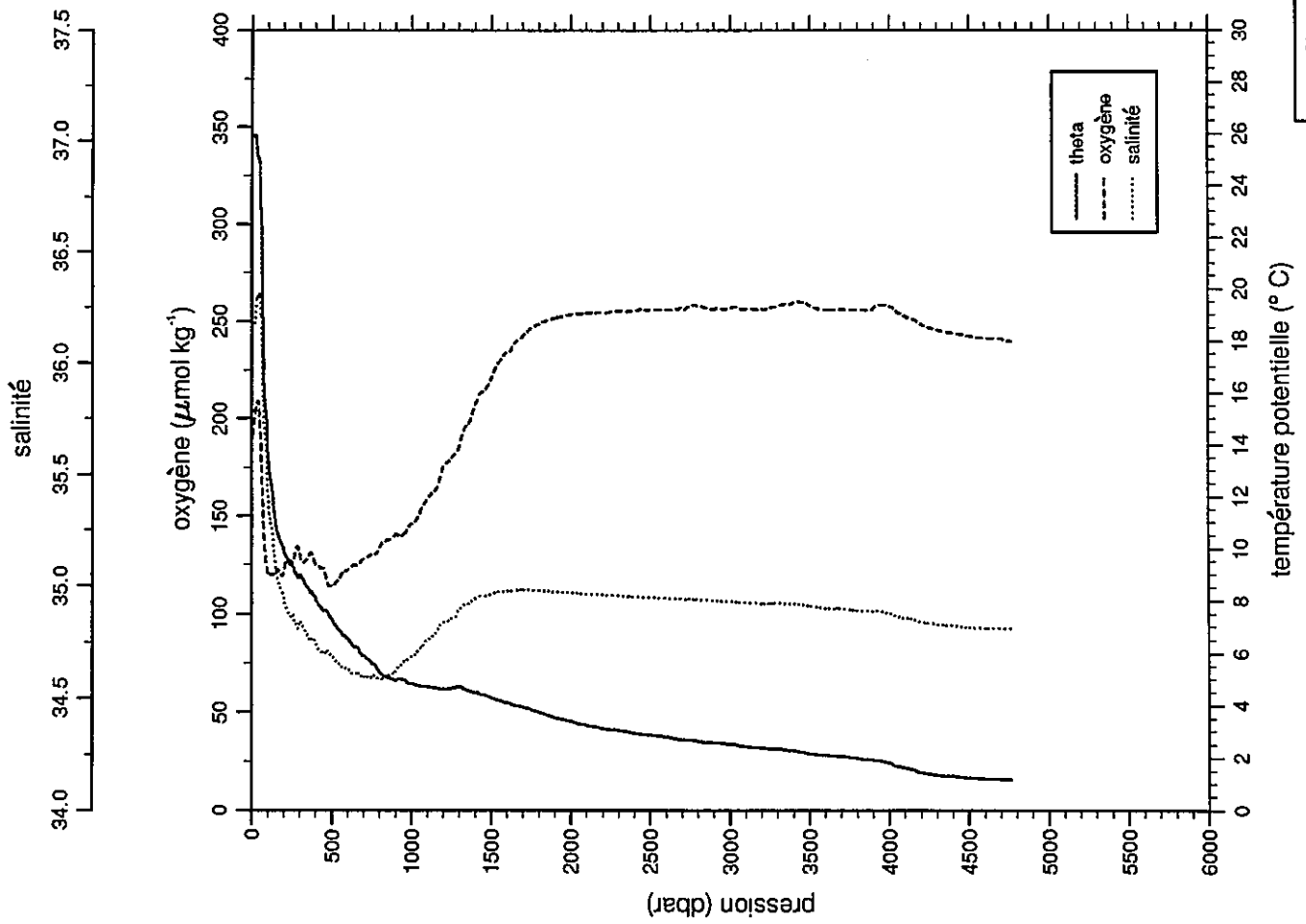
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.012	36.316	206.4	25.012	2850.	2.863	34.937	256.9	2.631
2.	25.012	36.316	204.5	25.012	2900.	2.835	34.936	257.2	2.598
3.	25.012	36.316	203.4	25.012	2950.	2.813	34.934	257.2	2.571
4.	25.013	36.316	204.3	25.012	3000.	2.778	34.932	257.3	2.532
5.	25.011	36.316	205.1	25.010	3050.	2.743	34.930	257.5	2.492
10.	25.013	36.316	207.2	25.010	3100.	2.716	34.929	257.8	2.461
20.	25.005	36.315	208.6	25.000	3150.	2.673	34.926	258.3	2.414
30.	24.935	36.313	208.7	24.928	3200.	2.656	34.924	257.9	2.392
40.	24.902	36.311	206.2	24.893	3250.	2.615	34.923	259.0	2.347
50.	23.322	36.273	185.9	23.312	3300.	2.571	34.919	258.5	2.298
100.	12.374	35.259	125.6	12.361	3350.	2.556	34.918	258.7	2.278
150.	10.411	35.005	116.4	10.393	3400.	2.527	34.917	259.9	2.244
200.	9.799	34.924	115.6	9.776	3450.	2.500	34.915	260.4	2.213
250.	9.017	34.841	117.1	8.989	3500.	2.470	34.913	260.8	2.179
300.	8.457	34.787	113.8	8.426	3550.	2.449	34.911	260.9	2.152
350.	8.022	34.746	112.0	7.986	3600.	2.428	34.909	260.7	2.127
400.	7.657	34.715	111.4	7.617	3650.	2.405	34.908	261.5	2.098
450.	7.362	34.696	111.2	7.318	3700.	2.387	34.906	261.8	2.076
500.	7.066	34.677	114.0	7.018	3750.	2.378	34.904	261.8	2.061
550.	6.767	34.662	113.4	6.715	3800.	2.352	34.902	261.7	2.031
600.	6.495	34.654	113.5	6.439	3850.	2.312	34.899	261.4	1.986
650.	6.314	34.646	115.4	6.255	3900.	2.291	34.895	261.3	1.960
700.	6.047	34.634	119.9	5.984	3950.	2.257	34.892	260.7	1.921
750.	5.827	34.626	122.9	5.761	4000.	2.238	34.890	260.0	1.897
800.	5.600	34.631	126.1	5.530	4050.	2.195	34.885	259.5	1.849
850.	5.331	34.634	131.4	5.259	4100.	2.159	34.881	258.1	1.809
900.	5.054	34.622	138.9	4.979	4150.	2.129	34.877	257.3	1.774
950.	4.986	34.651	142.3	4.907	4200.	2.085	34.870	255.8	1.726
1000.	4.972	34.691	144.9	4.889	4250.	2.029	34.864	253.9	1.666
1050.	4.870	34.723	151.4	4.783	4300.	1.941	34.853	252.3	1.574
1100.	4.815	34.756	157.4	4.724	4350.	1.857	34.843	250.0	1.487
1150.	4.786	34.776	161.5	4.690	4400.	1.754	34.831	247.4	1.382
1200.	4.744	34.818	170.0	4.644	4450.	1.702	34.824	243.0	1.326
1250.	4.718	34.854	179.7	4.614	4484.	1.705	34.823	242.4	1.324
1300.	4.702	34.890	190.4	4.593					
1350.	4.673	34.902	195.1	4.559					
1400.	4.618	34.921	201.2	4.501					
1450.	4.635	34.967	217.0	4.512					
1500.	4.525	34.978	225.9	4.398					
1550.	4.471	34.987	232.2	4.340					
1600.	4.352	34.992	239.8	4.218					
1650.	4.259	34.993	243.6	4.122					
1700.	4.151	34.991	247.1	4.010					
1750.	4.081	34.989	249.5	3.937					
1800.	3.974	34.985	249.8	3.826					
1850.	3.933	34.988	253.5	3.781					
1900.	3.837	34.985	255.3	3.681					
1950.	3.736	34.982	256.5	3.577					
2000.	3.632	34.977	257.0	3.470					
2050.	3.554	34.972	255.5	3.388					
2100.	3.467	34.969	255.8	3.297					
2150.	3.410	34.966	255.7	3.237					
2200.	3.362	34.965	256.5	3.185					
2250.	3.290	34.960	256.2	3.109					
2300.	3.239	34.957	255.9	3.054					
2350.	3.187	34.954	255.4	2.999					
2400.	3.147	34.952	254.9	2.954					
2450.	3.142	34.955	258.1	2.944					
2500.	3.110	34.952	258.8	2.908					
2550.	3.057	34.950	258.4	2.851					
2600.	3.020	34.947	257.7	2.810					
2650.	2.988	34.947	258.6	2.773					
2700.	2.961	34.945	258.2	2.742					
2750.	2.949	34.946	260.2	2.725					
2800.	2.888	34.939	258.5	2.660					



Station 145

Station	: 146	Campagne	: CITHER1
Date	: 20-02-93	Navire	: L'ATALANTE
Profondeur:	4578 m	Organisme	: IFREMER
Position	: N 7 27.12		
	W 39 59.92		

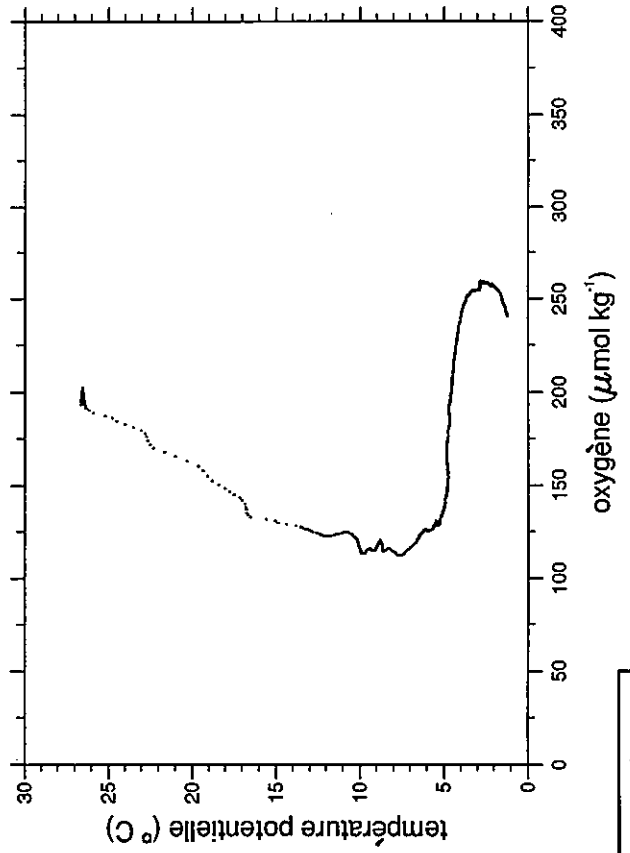
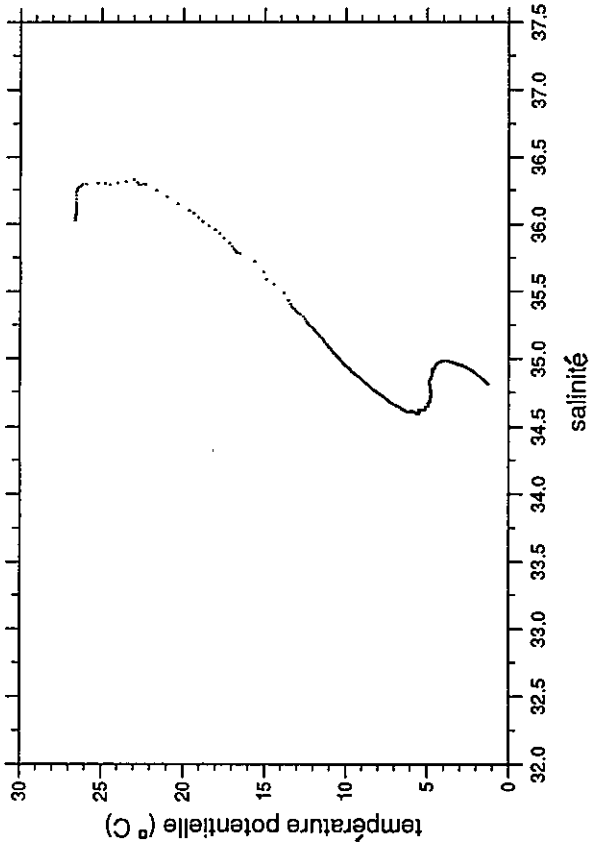
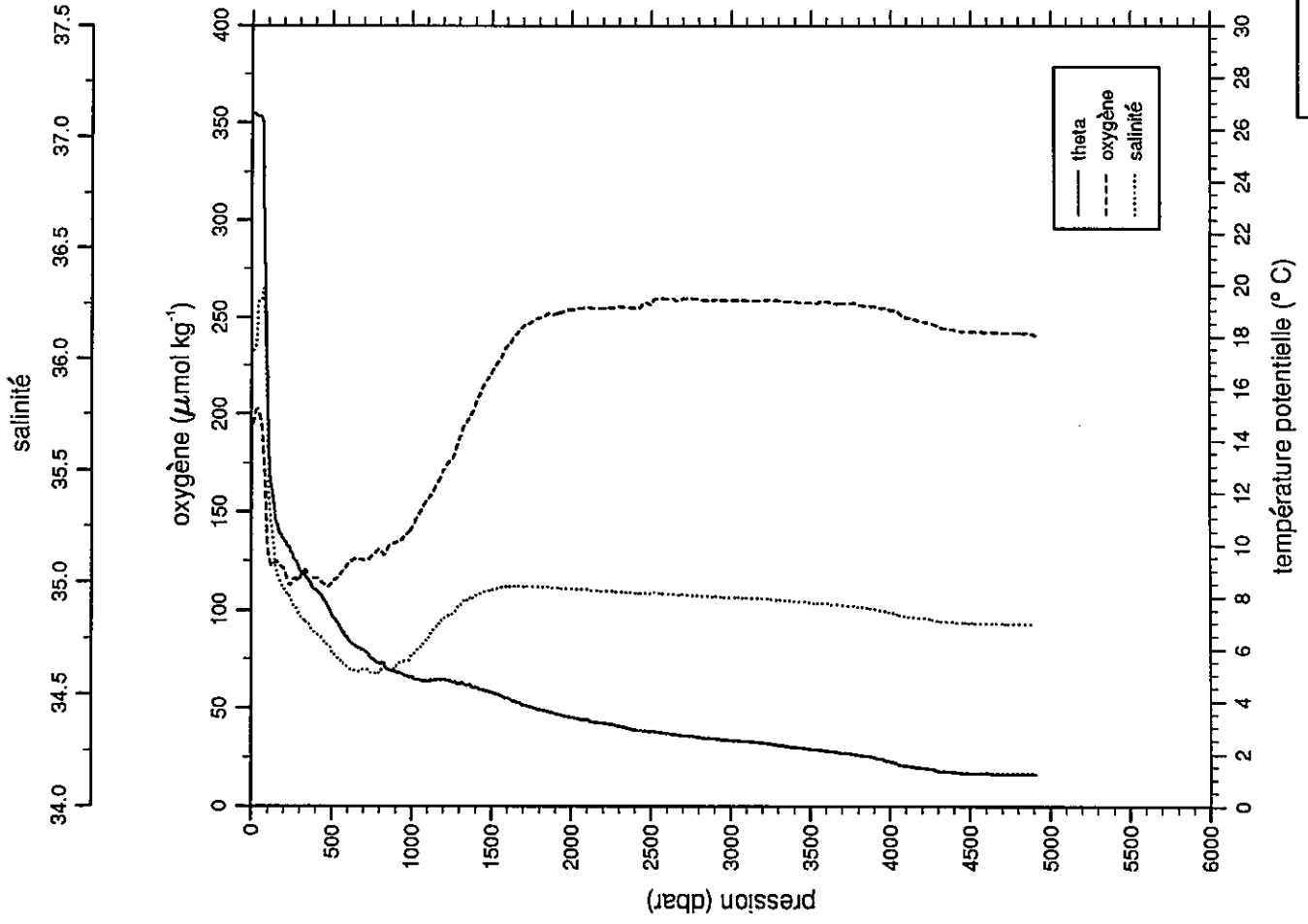
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.903	36.164	192.9	25.902	2850.	2.832	34.936	256.8	2.600
2.	25.903	36.164	194.2	25.902	2900.	2.809	34.933	256.0	2.573
3.	25.901	36.164	192.9	25.900	2950.	2.797	34.932	256.1	2.556
4.	25.901	36.165	190.6	25.901	3000.	2.770	34.931	256.5	2.524
5.	25.902	36.165	190.9	25.901	3050.	2.727	34.926	256.7	2.477
10.	25.903	36.164	195.7	25.901	3100.	2.696	34.925	255.9	2.442
20.	25.909	36.181	202.4	25.905	3150.	2.659	34.922	255.9	2.400
30.	25.453	36.281	207.2	25.446	3200.	2.644	34.920	255.8	2.380
40.	25.078	36.307	209.1	25.070	3250.	2.631	34.921	256.7	2.362
50.	24.774	36.293	199.2	24.763	3300.	2.627	34.922	257.5	2.352
100.	13.649	35.400	120.4	13.634	3350.	2.590	34.919	258.5	2.312
150.	10.872	35.064	121.8	10.854	3400.	2.565	34.919	259.2	2.282
200.	9.930	34.942	122.0	9.907	3450.	2.527	34.915	259.6	2.239
250.	9.383	34.868	125.8	9.355	3500.	2.460	34.907	258.0	2.169
300.	9.000	34.837	130.0	8.967	3550.	2.430	34.903	256.3	2.134
350.	8.520	34.777	128.3	8.483	3600.	2.403	34.900	255.7	2.102
400.	8.104	34.743	125.2	8.062	3650.	2.389	34.899	255.8	2.083
450.	7.660	34.697	123.1	7.615	3700.	2.374	34.898	256.0	2.063
500.	7.343	34.687	114.2	7.294	3750.	2.339	34.894	255.8	2.023
550.	6.890	34.649	118.0	6.838	3800.	2.308	34.892	255.7	1.988
600.	6.599	34.627	122.3	6.543	3850.	2.260	34.887	255.6	1.935
650.	6.284	34.610	124.8	6.225	3900.	2.249	34.889	256.1	1.919
700.	5.947	34.591	127.8	5.885	3950.	2.209	34.886	258.3	1.875
750.	5.702	34.590	130.4	5.637	4000.	2.146	34.879	257.4	1.808
800.	5.343	34.584	133.7	5.276	4050.	2.025	34.865	254.7	1.684
850.	5.157	34.595	137.6	5.086	4100.	1.959	34.857	252.6	1.615
900.	5.032	34.617	140.5	4.957	4150.	1.911	34.851	251.1	1.563
950.	5.054	34.663	140.3	4.975	4200.	1.813	34.839	248.4	1.461
1000.	4.908	34.685	145.8	4.825	4250.	1.763	34.833	246.5	1.408
1050.	4.832	34.719	151.0	4.745	4300.	1.720	34.828	245.5	1.360
1100.	4.804	34.757	158.8	4.713	4350.	1.694	34.824	244.5	1.330
1150.	4.766	34.785	163.1	4.671	4400.	1.688	34.823	244.1	1.318
1200.	4.739	34.837	175.1	4.639	4450.	1.659	34.819	243.2	1.283
1250.	4.765	34.856	179.5	4.660	4500.	1.635	34.816	242.4	1.255
1300.	4.834	34.890	185.9	4.724	4550.	1.617	34.813	241.7	1.232
1350.	4.703	34.919	196.7	4.590	4600.	1.604	34.811	241.4	1.214
1400.	4.608	34.944	206.8	4.491	4650.	1.601	34.810	241.1	1.204
1450.	4.538	34.953	214.0	4.416	4700.	1.600	34.809	241.1	1.197
1500.	4.441	34.962	220.1	4.315	4750.	1.600	34.808	239.8	1.191
1550.	4.328	34.972	229.0	4.199	4765.	1.601	34.809	239.5	1.191
1600.	4.227	34.976	234.0	4.095					
1650.	4.135	34.979	239.1	3.999					
1700.	4.063	34.981	242.4	3.924					
1750.	3.982	34.981	246.0	3.839					
1800.	3.887	34.979	248.3	3.740					
1850.	3.788	34.976	250.2	3.638					
1900.	3.683	34.973	251.6	3.529					
1950.	3.632	34.972	252.4	3.474					
2000.	3.572	34.970	253.3	3.411					
2050.	3.474	34.966	253.8	3.310					
2100.	3.404	34.963	254.0	3.236					
2150.	3.370	34.962	254.3	3.198					
2200.	3.282	34.957	254.2	3.106					
2250.	3.255	34.956	254.7	3.075					
2300.	3.216	34.955	255.1	3.032					
2350.	3.187	34.953	254.7	2.999					
2400.	3.117	34.950	255.2	2.925					
2450.	3.083	34.949	256.1	2.887					
2500.	3.054	34.947	255.6	2.853					
2550.	3.039	34.947	255.8	2.833					
2600.	3.002	34.944	255.6	2.792					
2650.	2.947	34.942	256.0	2.733					
2700.	2.896	34.939	256.6	2.678					
2750.	2.887	34.941	257.8	2.664					
2800.	2.863	34.939	257.5	2.636					



Station 146

Station : 147	Campagne : CITHER1
Date : 20-02-93	Navire : L'ATALANTE
Profondeur: 4887 m	Organisme : IFREMER
Position : N 7 27.19	
W 39 20.10	

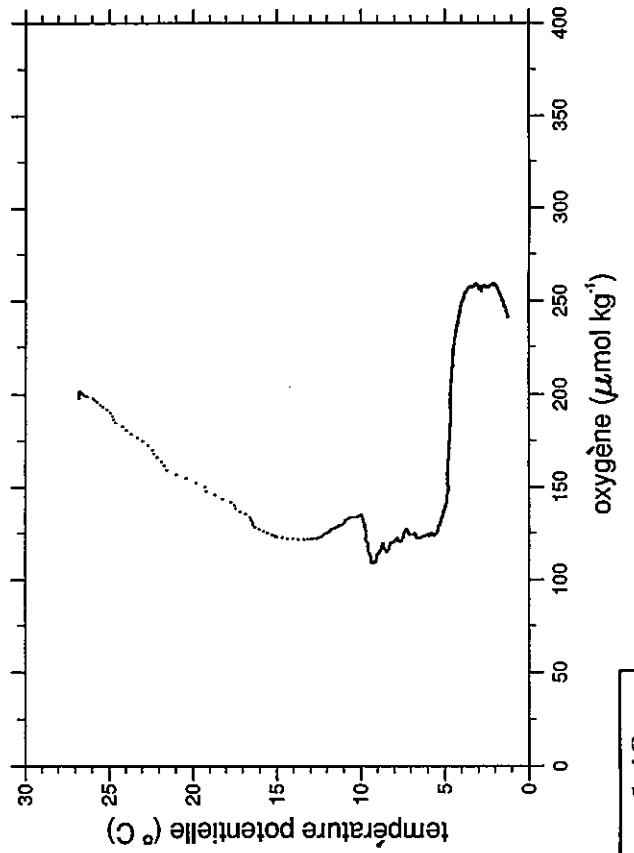
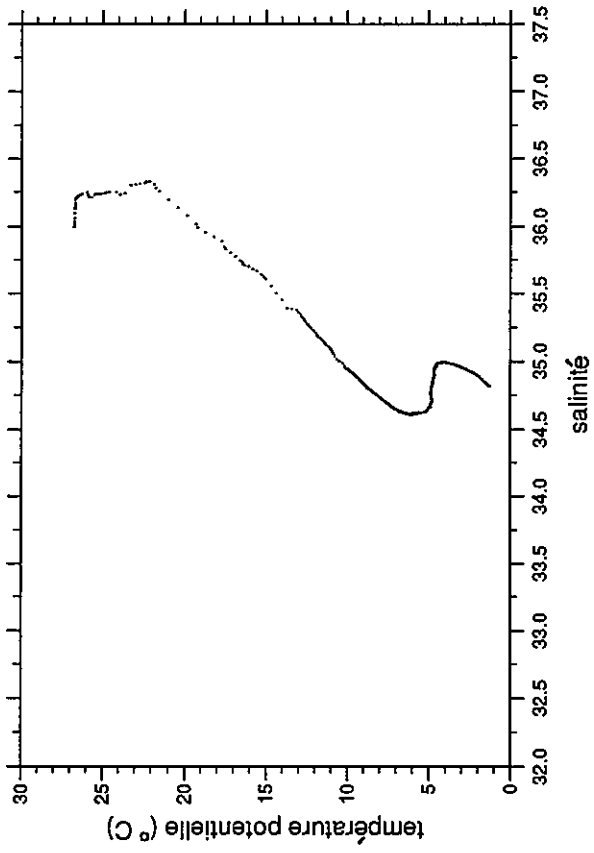
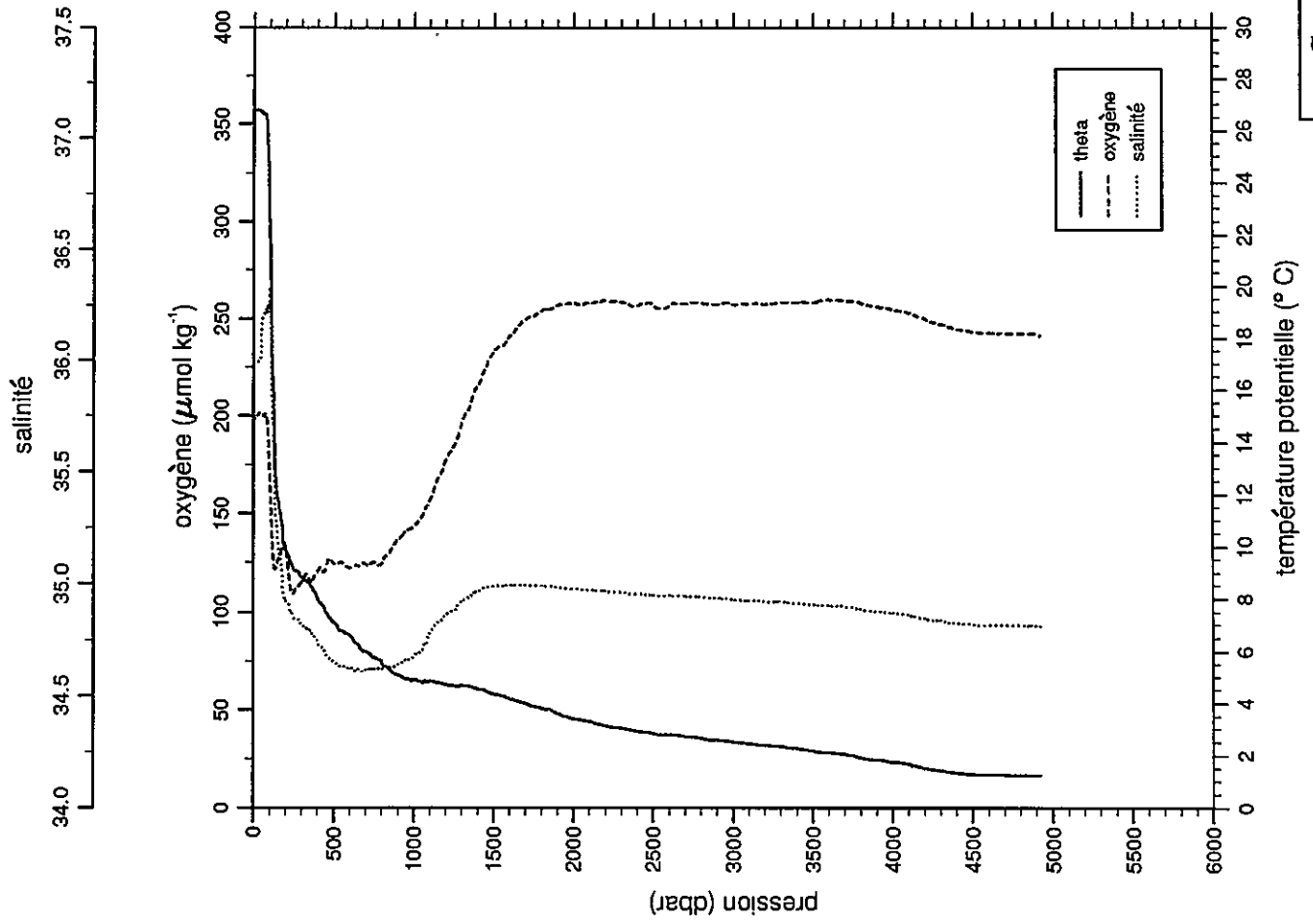
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.612	36.029	193.2	26.612	2850.	2.824	34.936	258.7	2.593
2.	26.610	36.025	193.6	26.609	2900.	2.799	34.934	258.8	2.563
3.	26.610	36.027	195.1	26.609	2950.	2.773	34.933	258.6	2.533
4.	26.609	36.026	194.7	26.608	3000.	2.748	34.931	258.5	2.503
5.	26.608	36.024	193.9	26.607	3050.	2.736	34.930	258.5	2.486
10.	26.615	36.033	195.0	26.613	3100.	2.728	34.929	258.4	2.473
20.	26.600	36.045	198.7	26.595	3150.	2.708	34.927	258.4	2.448
30.	26.546	36.085	202.0	26.539	3200.	2.680	34.926	258.5	2.416
40.	26.519	36.235	202.5	26.510	3250.	2.644	34.924	258.9	2.375
50.	26.505	36.257	199.2	26.494	3300.	2.609	34.920	258.5	2.335
100.	16.535	35.779	132.9	16.518	3350.	2.568	34.917	257.9	2.290
150.	10.987	35.076	124.5	10.969	3400.	2.534	34.913	258.0	2.252
200.	10.213	34.971	121.3	10.189	3450.	2.514	34.911	257.3	2.227
250.	9.703	34.913	113.7	9.674	3500.	2.472	34.908	257.4	2.180
300.	9.095	34.855	115.8	9.062	3550.	2.458	34.907	257.3	2.162
350.	8.732	34.814	117.6	8.695	3600.	2.424	34.904	258.0	2.122
400.	8.326	34.770	116.2	8.284	3650.	2.386	34.900	256.7	2.080
450.	7.940	34.738	113.6	7.894	3700.	2.348	34.897	256.9	2.038
500.	7.363	34.686	113.7	7.314	3750.	2.328	34.895	257.0	2.012
550.	6.920	34.652	117.6	6.867	3800.	2.274	34.889	256.3	1.955
600.	6.479	34.621	123.2	6.424	3850.	2.233	34.885	255.7	1.909
650.	6.186	34.602	126.2	6.128	3900.	2.190	34.880	255.5	1.861
700.	6.013	34.611	125.3	5.951	3950.	2.123	34.874	254.5	1.791
750.	5.700	34.594	127.3	5.635	4000.	2.034	34.865	253.7	1.699
800.	5.531	34.598	130.7	5.462	4050.	1.946	34.856	252.8	1.608
850.	5.308	34.613	131.3	5.236	4100.	1.884	34.848	250.0	1.542
900.	5.218	34.616	134.1	5.142	4150.	1.849	34.844	248.9	1.503
950.	5.074	34.643	137.1	4.995	4200.	1.814	34.839	247.6	1.463
1000.	5.005	34.670	141.7	4.921	4250.	1.788	34.835	247.1	1.432
1050.	4.884	34.700	149.2	4.797	4300.	1.704	34.826	245.2	1.344
1100.	4.846	34.746	156.3	4.754	4350.	1.690	34.824	244.0	1.325
1150.	4.897	34.797	162.8	4.801	4400.	1.662	34.820	243.5	1.293
1200.	4.908	34.837	171.1	4.806	4450.	1.646	34.817	242.5	1.271
1250.	4.829	34.855	176.4	4.723	4500.	1.645	34.817	242.3	1.265
1300.	4.775	34.895	187.4	4.665	4550.	1.648	34.816	242.3	1.262
1350.	4.724	34.919	196.0	4.610	4600.	1.646	34.815	242.2	1.254
1400.	4.637	34.936	204.1	4.519	4650.	1.644	34.815	242.0	1.246
1450.	4.550	34.955	213.9	4.428	4700.	1.646	34.814	241.9	1.242
1500.	4.462	34.965	220.6	4.337	4750.	1.647	34.813	241.8	1.237
1550.	4.367	34.973	227.1	4.237	4800.	1.648	34.813	241.7	1.232
1600.	4.248	34.978	234.9	4.116	4850.	1.649	34.812	241.7	1.227
1650.	4.126	34.981	240.5	3.990	4900.	1.654	34.812	240.8	1.226
1700.	4.002	34.980	245.1	3.863	4911.	1.654	34.812	240.8	1.225
1750.	3.925	34.979	247.4	3.782					
1800.	3.831	34.977	249.6	3.685					
1850.	3.774	34.978	251.4	3.624					
1900.	3.681	34.973	251.5	3.528					
1950.	3.610	34.970	252.7	3.453					
2000.	3.554	34.969	253.7	3.393					
2050.	3.488	34.967	254.4	3.324					
2100.	3.469	34.966	254.8	3.299					
2150.	3.366	34.961	254.5	3.193					
2200.	3.343	34.960	254.5	3.166					
2250.	3.303	34.958	254.7	3.122					
2300.	3.243	34.957	255.3	3.059					
2350.	3.173	34.952	254.8	2.984					
2400.	3.112	34.950	254.5	2.920					
2450.	3.074	34.952	256.8	2.877					
2500.	3.053	34.950	256.6	2.852					
2550.	3.022	34.950	259.7	2.817					
2600.	2.978	34.947	259.3	2.768					
2650.	2.933	34.942	258.6	2.719					
2700.	2.916	34.943	259.3	2.697					
2750.	2.890	34.941	259.5	2.667					
2800.	2.866	34.939	259.1	2.639					



Station 147

Station : 148 Campagne : CITHER1
 Date : 20-02-93 Navire : L'ATALANTE
 Profondeur: 4904 m Organisme : IFREMER
 Position : N 7 24.53
 W 38 39.91

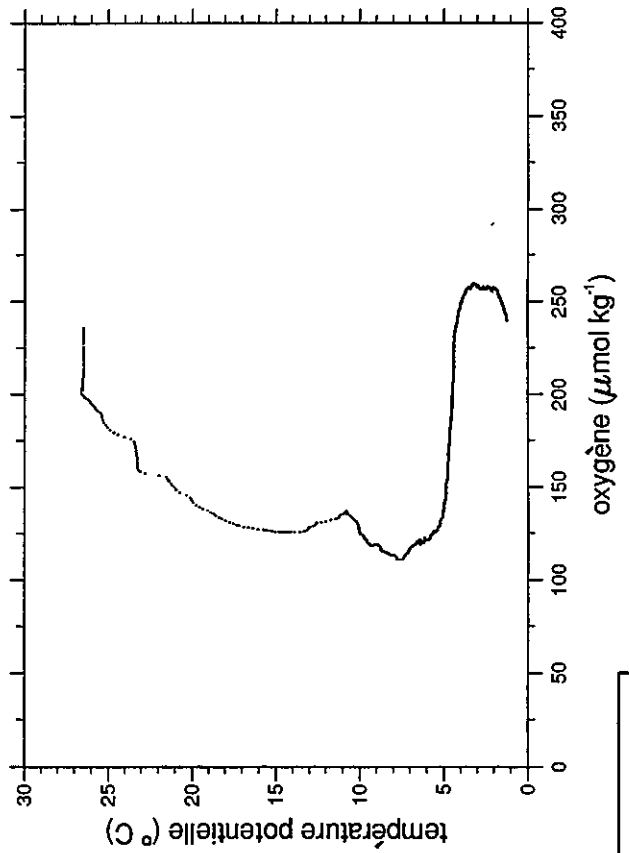
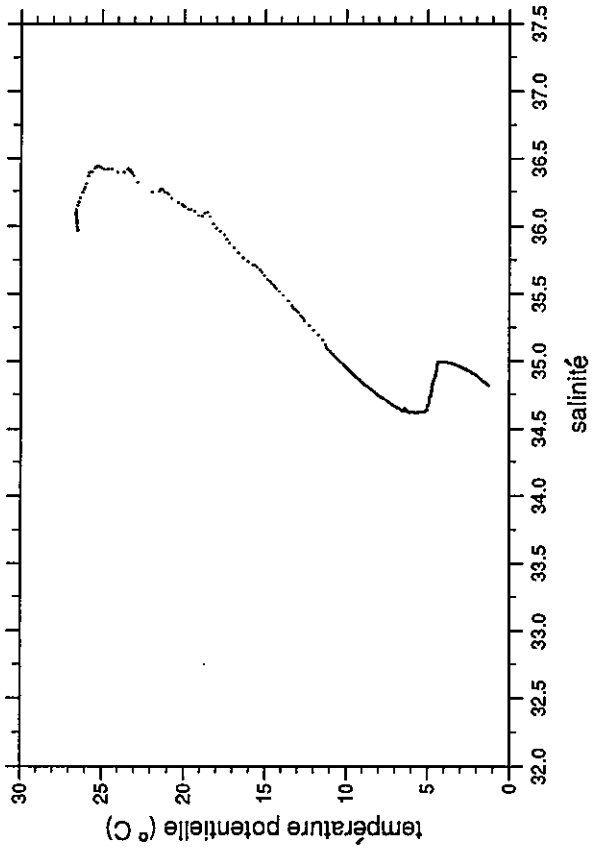
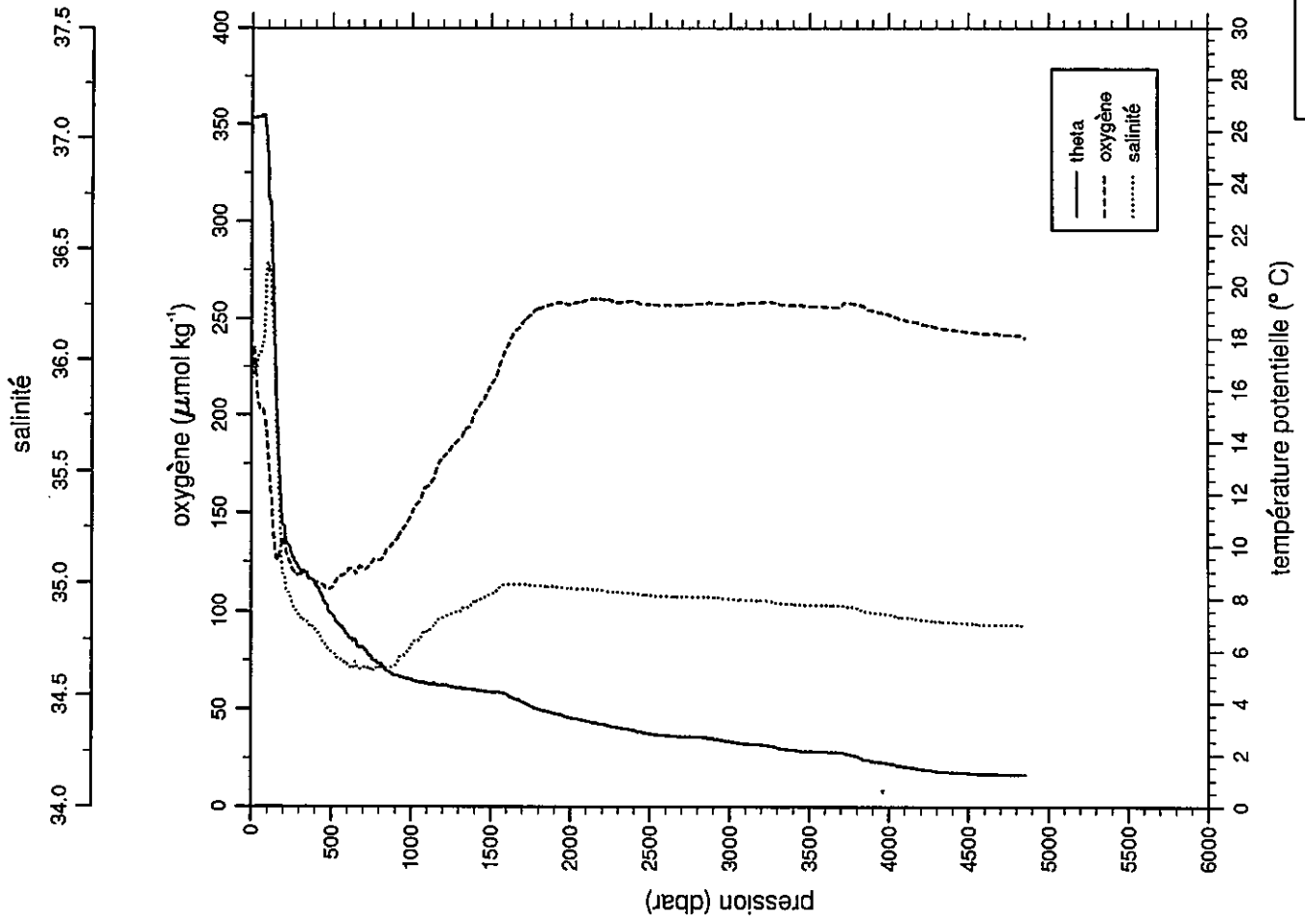
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.779	35.995	199.3	26.779	2850.	2.830	34.936	257.5	2.599
2.	26.779	35.995	198.3	26.778	2900.	2.817	34.935	257.4	2.581
3.	26.774	35.996	197.7	26.773	2950.	2.801	34.935	258.3	2.560
4.	26.776	35.995	198.0	26.775	3000.	2.763	34.930	257.3	2.517
5.	26.778	35.995	198.2	26.777	3050.	2.725	34.927	257.5	2.475
10.	26.781	35.994	199.7	26.778	3100.	2.710	34.926	257.5	2.456
20.	26.783	35.994	200.4	26.778	3150.	2.674	34.924	257.8	2.415
30.	26.784	35.995	200.6	26.777	3200.	2.657	34.922	257.3	2.393
40.	26.776	35.996	201.8	26.767	3250.	2.631	34.920	257.6	2.362
50.	26.721	36.140	201.6	26.709	3300.	2.622	34.920	258.4	2.348
100.	22.422	36.317	170.5	22.402	3350.	2.577	34.916	258.5	2.299
150.	11.918	35.208	125.6	11.898	3400.	2.549	34.914	258.4	2.266
200.	9.888	34.929	132.5	9.865	3450.	2.493	34.910	258.5	2.206
250.	9.152	34.851	109.6	9.124	3500.	2.464	34.907	258.3	2.172
300.	8.883	34.818	115.5	8.850	3550.	2.418	34.906	259.4	2.123
350.	8.610	34.792	116.5	8.573	3600.	2.404	34.905	259.8	2.104
400.	8.072	34.738	120.5	8.031	3650.	2.382	34.902	259.6	2.076
450.	7.592	34.692	121.4	7.548	3700.	2.358	34.899	259.2	2.047
500.	7.146	34.651	124.4	7.098	3750.	2.324	34.897	258.9	2.008
550.	6.838	34.630	125.0	6.786	3800.	2.227	34.887	257.9	1.909
600.	6.663	34.622	122.2	6.607	3850.	2.171	34.881	256.9	1.849
650.	6.310	34.615	123.3	6.250	3900.	2.153	34.878	256.0	1.826
700.	6.034	34.615	124.1	5.972	3950.	2.135	34.876	255.6	1.803
750.	5.831	34.614	125.1	5.765	4000.	2.081	34.869	254.4	1.745
800.	5.631	34.620	124.3	5.561	4050.	2.054	34.866	253.8	1.713
850.	5.339	34.625	130.4	5.266	4100.	2.025	34.862	252.9	1.679
900.	5.151	34.639	136.3	5.076	4150.	1.937	34.853	251.2	1.588
950.	5.019	34.658	140.6	4.940	4200.	1.869	34.845	249.9	1.516
1000.	4.974	34.683	143.4	4.891	4250.	1.828	34.839	248.0	1.471
1050.	4.885	34.701	148.2	4.798	4300.	1.794	34.836	247.0	1.432
1100.	4.936	34.774	156.4	4.843	4350.	1.729	34.827	245.8	1.363
1150.	4.876	34.827	167.4	4.779	4400.	1.702	34.824	244.6	1.331
1200.	4.800	34.864	177.0	4.699	4450.	1.680	34.820	243.8	1.304
1250.	4.763	34.883	184.2	4.659	4500.	1.664	34.818	243.2	1.283
1300.	4.783	34.923	195.9	4.674	4550.	1.646	34.816	242.5	1.259
1350.	4.756	34.939	203.8	4.642	4600.	1.651	34.816	242.4	1.259
1400.	4.649	34.959	215.1	4.531	4650.	1.652	34.815	242.2	1.253
1450.	4.589	34.982	224.7	4.467	4700.	1.655	34.815	242.2	1.251
1500.	4.473	34.990	232.7	4.348	4750.	1.657	34.815	242.2	1.247
1550.	4.403	34.989	236.2	4.274	4800.	1.660	34.814	242.1	1.244
1600.	4.292	34.991	240.9	4.159	4850.	1.664	34.813	242.0	1.242
1650.	4.206	34.993	245.5	4.070	4900.	1.666	34.814	241.6	1.237
1700.	4.130	34.994	249.5	3.989	4924.	1.668	34.814	240.8	1.236
1750.	4.023	34.990	251.3	3.880					
1800.	3.937	34.989	254.0	3.789					
1850.	3.897	34.987	254.8	3.745					
1900.	3.754	34.983	256.8	3.600					
1950.	3.646	34.979	257.7	3.488					
2000.	3.559	34.975	257.7	3.398					
2050.	3.502	34.972	257.4	3.337					
2100.	3.459	34.971	257.7	3.290					
2150.	3.376	34.968	258.7	3.204					
2200.	3.306	34.965	259.2	3.130					
2250.	3.248	34.962	258.8	3.068					
2300.	3.225	34.960	258.6	3.040					
2350.	3.163	34.954	257.3	2.975					
2400.	3.108	34.953	256.7	2.916					
2450.	3.078	34.952	257.7	2.881					
2500.	3.039	34.948	257.2	2.838					
2550.	2.992	34.944	255.4	2.787					
2600.	2.994	34.946	256.6	2.785					
2650.	2.976	34.945	257.5	2.762					
2700.	2.942	34.943	257.5	2.723					
2750.	2.917	34.942	258.3	2.694					
2800.	2.875	34.939	257.8	2.647					



Station 148

Station : 149	Campagne : CITHERR1
Date : 21-02-93	Navire : L'ATALANTE
Profondeur: 4799 m	Organisme : IFREMER
Position : N 7 26.59	
	W 38 0.06

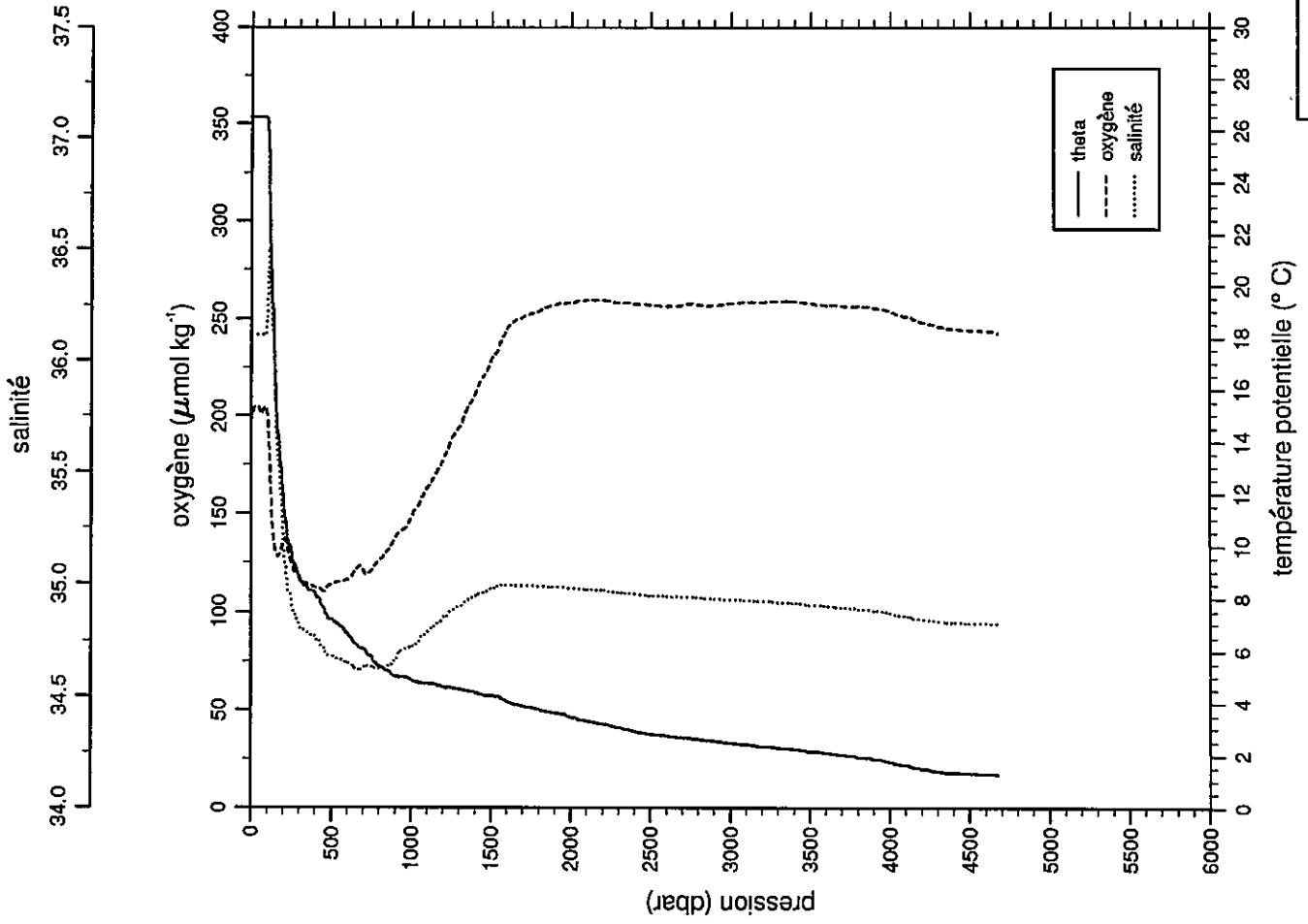
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.494	35.965	229.3	26.494	2850.	2.884	34.938	257.4	2.651
2.	26.490	35.966	218.5	26.490	2900.	2.848	34.936	257.3	2.611
3.	26.492	35.966	218.6	26.491	2950.	2.800	34.933	257.3	2.559
4.	26.494	35.965	220.9	26.493	3000.	2.763	34.930	256.9	2.517
5.	26.496	35.965	224.3	26.495	3050.	2.706	34.927	257.1	2.457
10.	26.494	35.965	233.2	26.491	3100.	2.680	34.925	257.7	2.425
20.	26.495	35.965	232.9	26.491	3150.	2.663	34.924	258.1	2.404
30.	26.498	35.965	219.0	26.491	3200.	2.650	34.923	258.1	2.386
40.	26.519	35.994	207.6	26.510	3250.	2.616	34.921	258.4	2.348
50.	26.537	36.029	203.8	26.526	3300.	2.531	34.912	257.8	2.259
100.	25.189	36.438	183.6	25.168	3350.	2.501	34.911	256.9	2.225
150.	17.221	35.871	129.3	17.195	3400.	2.458	34.907	256.6	2.177
200.	10.785	35.038	137.1	10.760	3450.	2.431	34.904	256.8	2.146
250.	9.767	34.922	122.9	9.738	3500.	2.422	34.903	256.1	2.131
300.	9.121	34.849	118.8	9.088	3550.	2.425	34.902	256.0	2.129
350.	8.880	34.822	118.4	8.842	3600.	2.426	34.902	255.8	2.125
400.	8.559	34.792	115.2	8.516	3650.	2.419	34.901	255.7	2.113
450.	8.010	34.739	113.2	7.964	3700.	2.404	34.900	256.1	2.092
500.	7.474	34.697	111.6	7.424	3750.	2.336	34.895	257.6	2.020
550.	7.032	34.662	117.4	6.979	3800.	2.258	34.888	257.3	1.939
600.	6.699	34.639	120.1	6.643	3850.	2.121	34.874	255.8	1.800
650.	6.486	34.648	119.4	6.426	3900.	2.075	34.870	254.1	1.750
700.	6.166	34.624	121.5	6.103	3950.	2.040	34.866	253.0	1.710
750.	5.801	34.615	124.3	5.735	4000.	1.997	34.861	252.1	1.663
800.	5.568	34.624	125.6	5.499	4050.	1.931	34.853	250.5	1.593
850.	5.272	34.622	131.1	5.200	4100.	1.892	34.848	249.3	1.550
900.	5.114	34.633	135.7	5.038	4150.	1.857	34.844	248.3	1.510
950.	5.033	34.673	141.7	4.954	4200.	1.807	34.838	247.2	1.456
1000.	4.970	34.720	148.3	4.887	4250.	1.780	34.833	246.2	1.424
1050.	4.853	34.745	155.4	4.766	4300.	1.732	34.828	245.2	1.372
1100.	4.824	34.783	163.2	4.733	4350.	1.724	34.827	244.5	1.358
1150.	4.800	34.818	169.6	4.704	4400.	1.706	34.824	244.0	1.335
1200.	4.759	34.846	178.0	4.659	4450.	1.699	34.823	243.5	1.323
1250.	4.704	34.864	182.9	4.599	4500.	1.676	34.820	243.1	1.295
1300.	4.671	34.875	187.2	4.562	4550.	1.660	34.817	242.6	1.273
1350.	4.629	34.891	193.1	4.516	4600.	1.655	34.816	242.2	1.263
1400.	4.602	34.917	200.8	4.484	4650.	1.655	34.815	242.1	1.256
1450.	4.566	34.929	207.0	4.444	4700.	1.656	34.815	241.9	1.252
1500.	4.529	34.950	214.9	4.403	4750.	1.654	34.814	241.6	1.243
1550.	4.536	34.976	223.8	4.405	4800.	1.659	34.814	241.3	1.242
1600.	4.451	34.991	234.4	4.316	4850.	1.662	34.814	240.4	1.240
1650.	4.275	34.993	242.9	4.137	4856.	1.663	34.813	239.8	1.240
1700.	4.143	34.992	247.6	4.002					
1750.	4.014	34.990	251.8	3.871					
1800.	3.877	34.987	255.0	3.730					
1850.	3.805	34.985	256.4	3.654					
1900.	3.732	34.983	257.5	3.578					
1950.	3.656	34.979	258.0	3.498					
2000.	3.582	34.976	257.2	3.420					
2050.	3.530	34.974	258.1	3.365					
2100.	3.459	34.972	259.2	3.290					
2150.	3.395	34.970	259.8	3.222					
2200.	3.340	34.966	259.7	3.163					
2250.	3.264	34.962	259.3	3.084					
2300.	3.217	34.958	258.0	3.032					
2350.	3.168	34.956	258.5	2.979					
2400.	3.116	34.954	258.9	2.924					
2450.	3.047	34.948	257.0	2.851					
2500.	2.996	34.945	257.1	2.796					
2550.	2.956	34.942	256.9	2.752					
2600.	2.947	34.942	256.7	2.738					
2650.	2.922	34.940	256.7	2.709					
2700.	2.915	34.940	256.8	2.696					
2750.	2.910	34.940	257.1	2.686					
2800.	2.899	34.939	257.4	2.671					



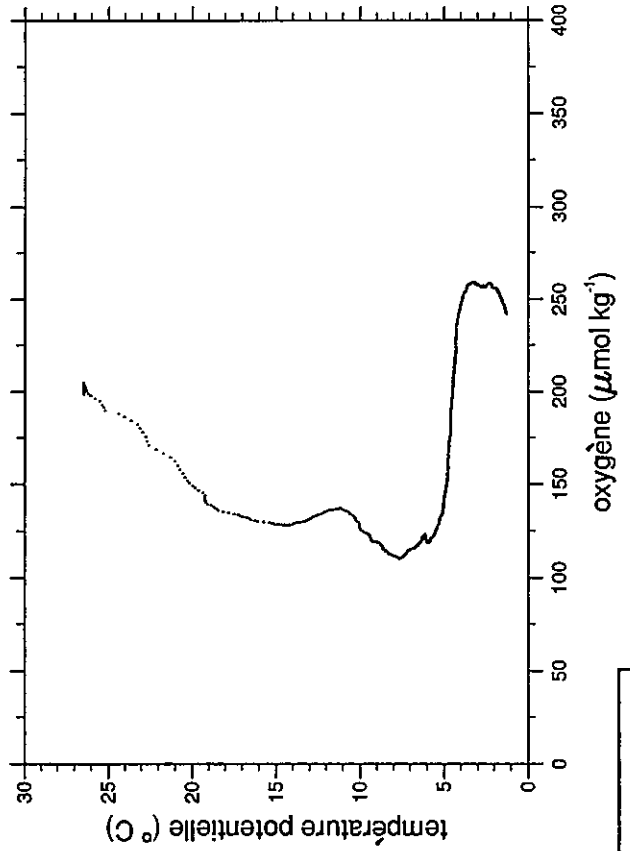
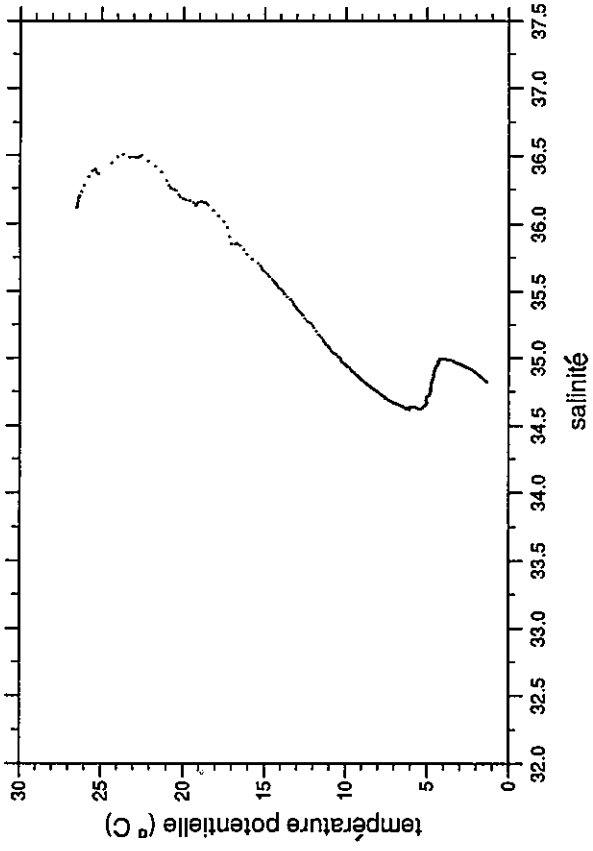
Station 149

Station	: 150	Campagne	: CITHERI
Date	: 21-02-93	Navire	: L'ATALANTE
Profondeur	: 4635 m	Organisme	: IFREMER
Position	: N 7 25.95		
	W 37 40.06		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.495	36.116	200.8	26.495	2850.	2.813	34.934	256.4	2.581
2.	26.495	36.116	199.5	26.495	2900.	2.789	34.932	256.8	2.553
3.	26.493	36.117	198.6	26.492	2950.	2.756	34.930	256.9	2.516
4.	26.494	36.116	198.7	26.493	3000.	2.718	34.928	257.6	2.473
5.	26.495	36.116	199.5	26.494	3050.	2.699	34.927	257.9	2.449
10.	26.497	36.116	202.0	26.494	3100.	2.677	34.926	258.2	2.423
20.	26.497	36.116	204.4	26.493	3150.	2.648	34.924	258.4	2.389
30.	26.498	36.116	204.6	26.491	3200.	2.618	34.921	258.4	2.355
40.	26.497	36.116	204.7	26.488	3250.	2.624	34.921	258.4	2.355
50.	26.500	36.115	203.4	26.488	3300.	2.566	34.917	258.7	2.293
100.	26.360	36.196	200.9	26.337	3350.	2.560	34.917	258.7	2.283
150.	16.491	35.835	130.9	16.466	3400.	2.547	34.915	258.6	2.265
200.	11.839	35.200	135.8	11.814	3450.	2.502	34.911	258.2	2.215
250.	9.888	34.936	125.0	9.859	3500.	2.449	34.906	257.6	2.157
300.	8.799	34.815	117.6	8.767	3550.	2.444	34.905	257.0	2.147
350.	8.456	34.783	114.0	8.419	3600.	2.407	34.901	256.5	2.106
400.	8.251	34.767	112.4	8.210	3650.	2.373	34.899	256.5	2.067
450.	7.694	34.714	110.2	7.649	3700.	2.343	34.895	256.3	2.032
500.	7.250	34.677	113.6	7.202	3750.	2.313	34.892	256.0	1.998
550.	7.024	34.662	115.2	6.972	3800.	2.241	34.886	256.2	1.923
600.	6.732	34.649	116.2	6.675	3850.	2.232	34.885	255.9	1.908
650.	6.352	34.624	120.8	6.293	3900.	2.170	34.879	255.3	1.843
700.	6.130	34.628	120.8	6.067	3950.	2.153	34.876	254.6	1.820
750.	5.873	34.632	120.6	5.806	4000.	2.075	34.868	253.7	1.739
800.	5.502	34.622	126.3	5.433	4050.	2.002	34.861	251.9	1.662
850.	5.342	34.632	130.7	5.270	4100.	1.965	34.856	250.9	1.621
900.	5.115	34.661	137.6	5.039	4150.	1.888	34.846	249.4	1.540
950.	5.090	34.709	141.5	5.011	4200.	1.838	34.841	247.8	1.486
1000.	4.973	34.717	147.7	4.889	4250.	1.818	34.838	247.1	1.461
1050.	4.879	34.745	154.6	4.791	4300.	1.770	34.831	245.7	1.408
1100.	4.850	34.786	162.8	4.758	4350.	1.734	34.828	244.8	1.368
1150.	4.823	34.815	169.4	4.726	4400.	1.732	34.827	244.4	1.360
1200.	4.711	34.849	177.2	4.612	4450.	1.718	34.825	244.1	1.341
1250.	4.703	34.879	187.4	4.599	4500.	1.713	34.823	243.8	1.330
1300.	4.655	34.897	194.1	4.546	4550.	1.707	34.823	243.7	1.319
1350.	4.585	34.923	203.2	4.472	4600.	1.707	34.822	243.5	1.313
1400.	4.520	34.943	211.1	4.404	4650.	1.701	34.821	243.3	1.301
1450.	4.431	34.958	219.7	4.311	4676.	1.700	34.820	242.0	1.297
1500.	4.428	34.977	227.9	4.303					
1550.	4.375	34.991	236.1	4.246					
1600.	4.187	34.993	244.5	4.055					
1650.	4.082	34.991	248.7	3.947					
1700.	4.023	34.990	250.6	3.884					
1750.	3.978	34.989	252.4	3.834					
1800.	3.903	34.987	253.8	3.756					
1850.	3.835	34.986	255.8	3.685					
1900.	3.780	34.985	256.9	3.625					
1950.	3.744	34.984	257.5	3.585					
2000.	3.637	34.980	258.2	3.475					
2050.	3.534	34.976	258.9	3.369					
2100.	3.492	34.975	259.1	3.322					
2150.	3.438	34.971	259.2	3.264					
2200.	3.390	34.968	259.2	3.212					
2250.	3.321	34.965	258.5	3.139					
2300.	3.249	34.961	258.1	3.064					
2350.	3.173	34.955	258.0	2.984					
2400.	3.123	34.953	257.4	2.930					
2450.	3.051	34.949	257.3	2.855					
2500.	3.009	34.946	257.1	2.809					
2550.	2.986	34.945	256.6	2.781					
2600.	2.962	34.942	256.2	2.753					
2650.	2.928	34.941	256.3	2.714					
2700.	2.904	34.940	256.7	2.686					
2750.	2.880	34.939	257.4	2.658					
2800.	2.857	34.936	257.0	2.630					

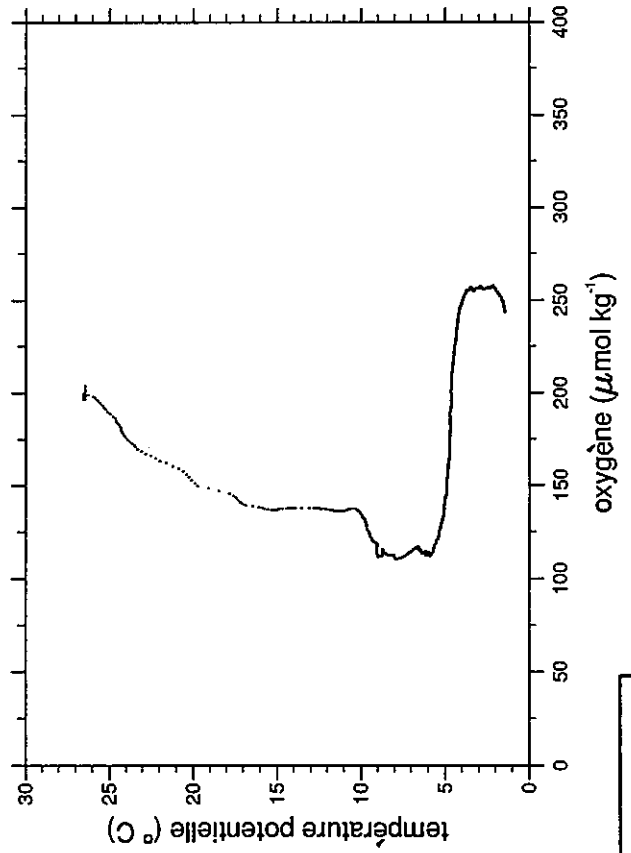
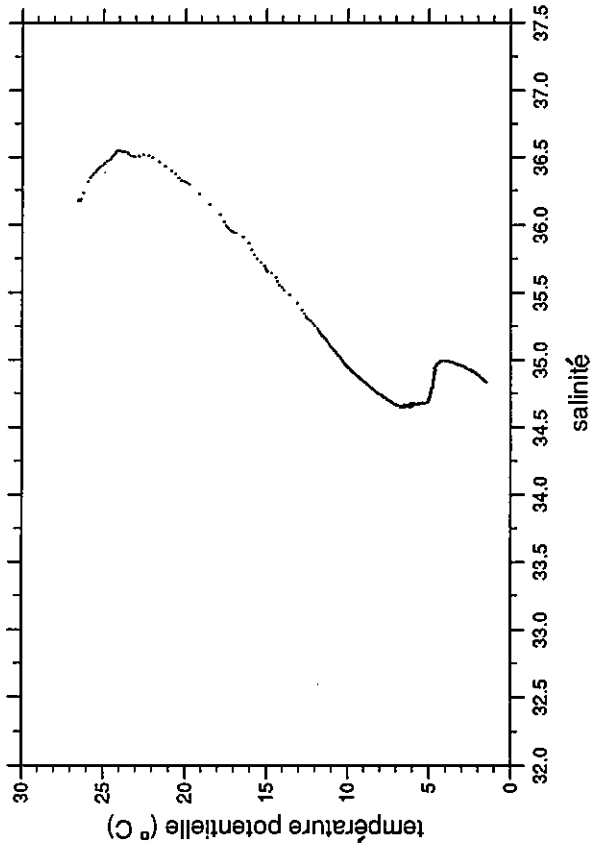
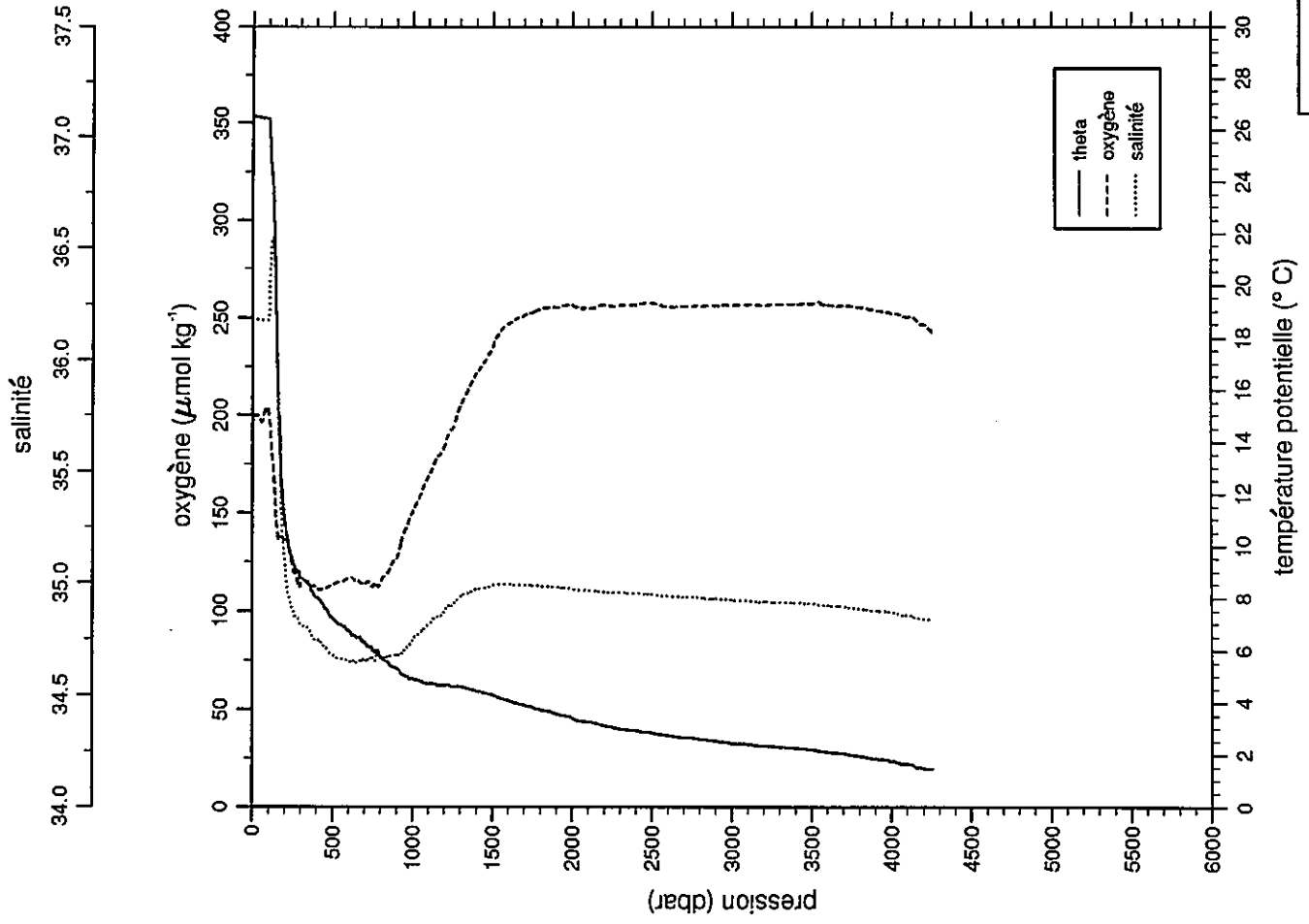


Station 150



Station : 151	Campagne : CITHER1
Date : 21-02-93	Navire : L'ATALANTE
Profondeur: 4196 m	Organisme : IFREMER
Position : N 7 26.99	
W 37 20.06	

PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.515	36.177	198.3	26.515	2850.	2.789	34.931	256.3	2.559
2.	26.515	36.177	197.2	26.515	2900.	2.772	34.930	256.3	2.536
3.	26.523	36.177	196.4	26.522	2950.	2.730	34.926	256.5	2.490
4.	26.522	36.176	196.7	26.521	3000.	2.680	34.923	256.7	2.436
5.	26.517	36.176	196.9	26.516	3050.	2.675	34.923	256.6	2.426
10.	26.516	36.177	199.0	26.513	3100.	2.661	34.922	256.8	2.407
20.	26.510	36.177	200.0	26.505	3150.	2.620	34.918	256.8	2.362
30.	26.491	36.178	199.8	26.484	3200.	2.589	34.915	256.3	2.327
40.	26.487	36.178	199.5	26.478	3250.	2.590	34.916	256.9	2.322
50.	26.476	36.179	197.7	26.464	3300.	2.562	34.913	257.0	2.289
100.	26.445	36.175	201.5	26.422	3350.	2.549	34.913	257.0	2.271
150.	17.629	36.021	144.6	17.604	3400.	2.533	34.911	257.1	2.251
200.	10.995	35.094	136.2	10.970	3450.	2.517	34.911	257.3	2.229
250.	9.441	34.884	122.3	9.413	3500.	2.481	34.908	257.3	2.189
300.	8.779	34.812	112.7	8.746	3550.	2.423	34.902	257.8	2.127
350.	8.618	34.797	113.4	8.581	3600.	2.383	34.899	256.8	2.082
400.	8.038	34.742	112.0	7.997	3650.	2.371	34.897	256.1	2.065
450.	7.664	34.713	111.1	7.619	3700.	2.346	34.894	256.0	2.036
500.	7.282	34.680	113.5	7.233	3750.	2.281	34.889	256.1	1.967
550.	7.021	34.662	114.7	6.969	3800.	2.253	34.886	255.4	1.934
600.	6.791	34.651	116.2	6.735	3850.	2.205	34.881	254.8	1.881
650.	6.517	34.646	115.4	6.457	3900.	2.173	34.877	254.0	1.845
700.	6.352	34.660	113.4	6.288	3950.	2.145	34.873	253.5	1.812
750.	6.074	34.668	112.3	6.006	4000.	2.091	34.868	252.5	1.755
800.	5.842	34.668	113.8	5.771	4050.	2.026	34.861	251.9	1.685
850.	5.602	34.676	120.0	5.527	4100.	1.999	34.858	250.6	1.653
900.	5.372	34.676	126.8	5.295	4150.	1.883	34.845	249.4	1.536
950.	5.089	34.698	140.4	5.009	4200.	1.848	34.841	246.6	1.496
1000.	4.995	34.742	149.9	4.911	4250.	1.807	34.835	243.7	1.451
1050.	4.919	34.782	159.0	4.831	4258.	1.807	34.836	243.4	1.450
1100.	4.817	34.812	168.4	4.726					
1150.	4.798	34.849	177.6	4.702					
1200.	4.798	34.880	184.0	4.698					
1250.	4.723	34.897	193.0	4.618					
1300.	4.727	34.940	204.8	4.617					
1350.	4.670	34.957	213.4	4.556					
1400.	4.574	34.970	221.5	4.457					
1450.	4.485	34.977	227.3	4.364					
1500.	4.419	34.987	234.5	4.294					
1550.	4.299	34.992	242.8	4.171					
1600.	4.216	34.993	246.6	4.084					
1650.	4.119	34.991	249.3	3.983					
1700.	4.042	34.990	251.2	3.902					
1750.	3.970	34.987	252.7	3.827					
1800.	3.886	34.986	254.5	3.740					
1850.	3.831	34.984	255.3	3.681					
1900.	3.743	34.980	255.4	3.588					
1950.	3.657	34.977	256.4	3.499					
2000.	3.557	34.972	256.6	3.396					
2050.	3.454	34.966	255.3	3.290					
2100.	3.442	34.966	255.1	3.273					
2150.	3.375	34.964	255.6	3.202					
2200.	3.286	34.960	256.7	3.111					
2250.	3.244	34.957	256.1	3.064					
2300.	3.175	34.955	256.4	2.992					
2350.	3.140	34.953	256.6	2.952					
2400.	3.122	34.953	256.8	2.930					
2450.	3.057	34.950	257.5	2.861					
2500.	3.036	34.948	257.6	2.836					
2550.	2.987	34.944	256.8	2.783					
2600.	2.958	34.941	255.8	2.749					
2650.	2.915	34.938	255.7	2.702					
2700.	2.887	34.937	255.9	2.670					
2750.	2.888	34.937	256.0	2.665					
2800.	2.831	34.933	256.0	2.604					



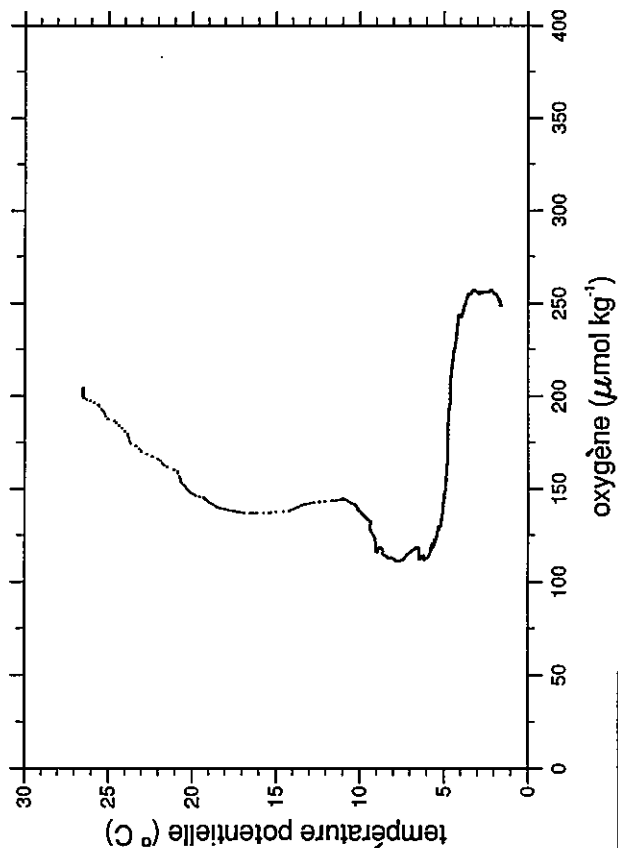
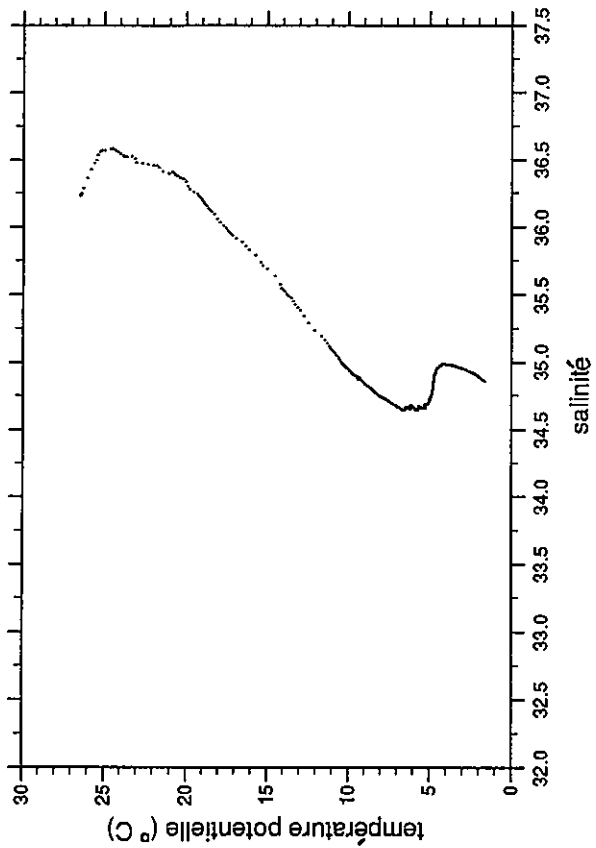
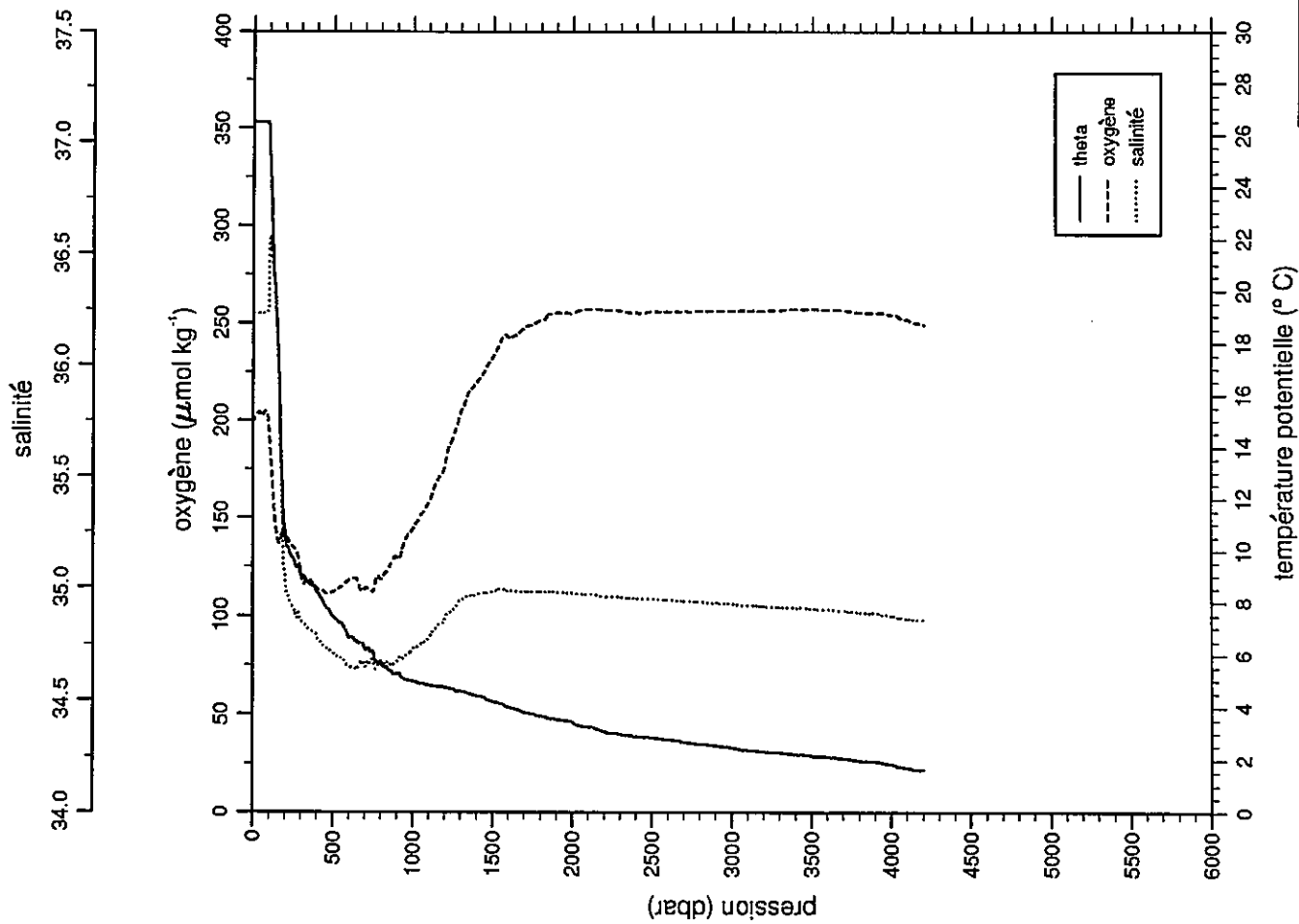
Station 151

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| Station   : 152      Campagne  : CITHER1 |
| Date      : 21-02-93 Navire    : L'ATALANTE |
| Profondeur: 4174 m   Organisme : IFREMER  |
| Position  : N   7 26.91 |
|            W  37 0.05  |
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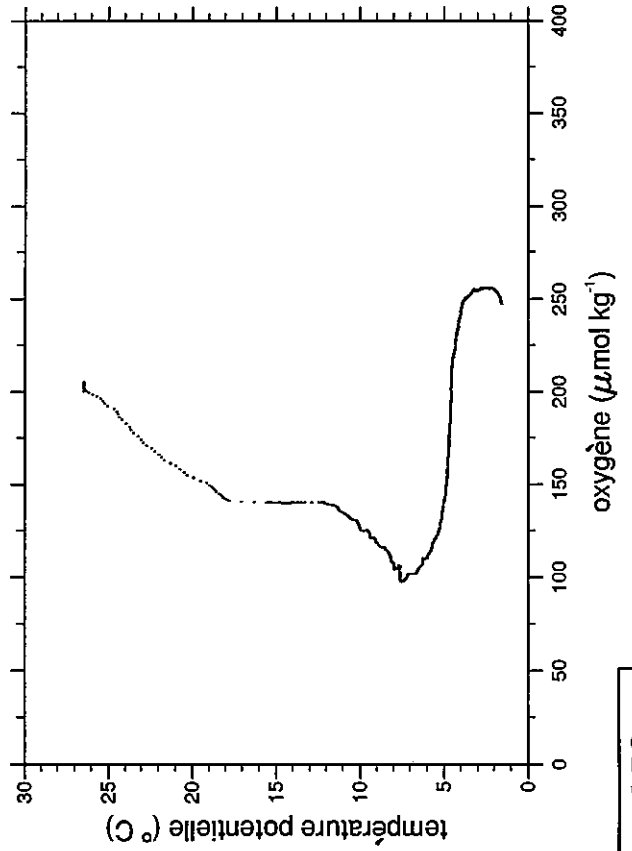
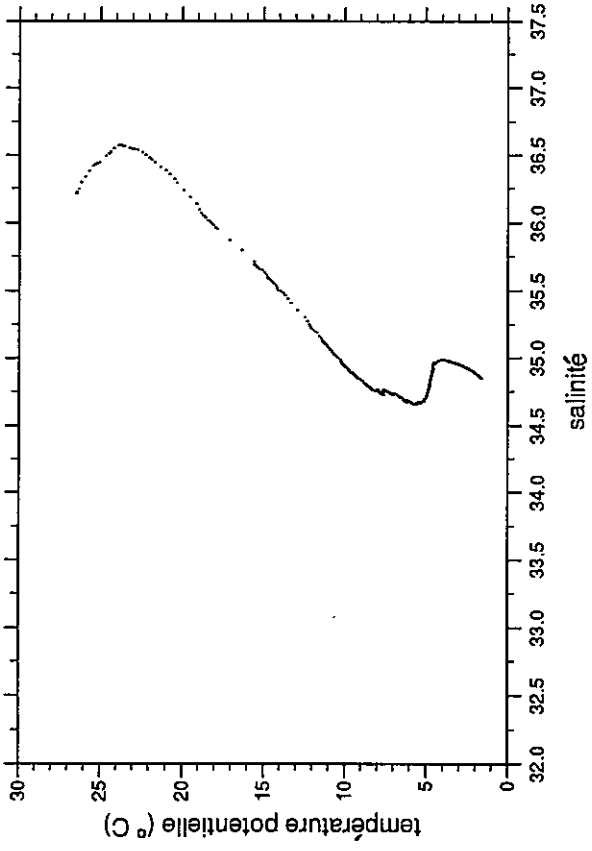
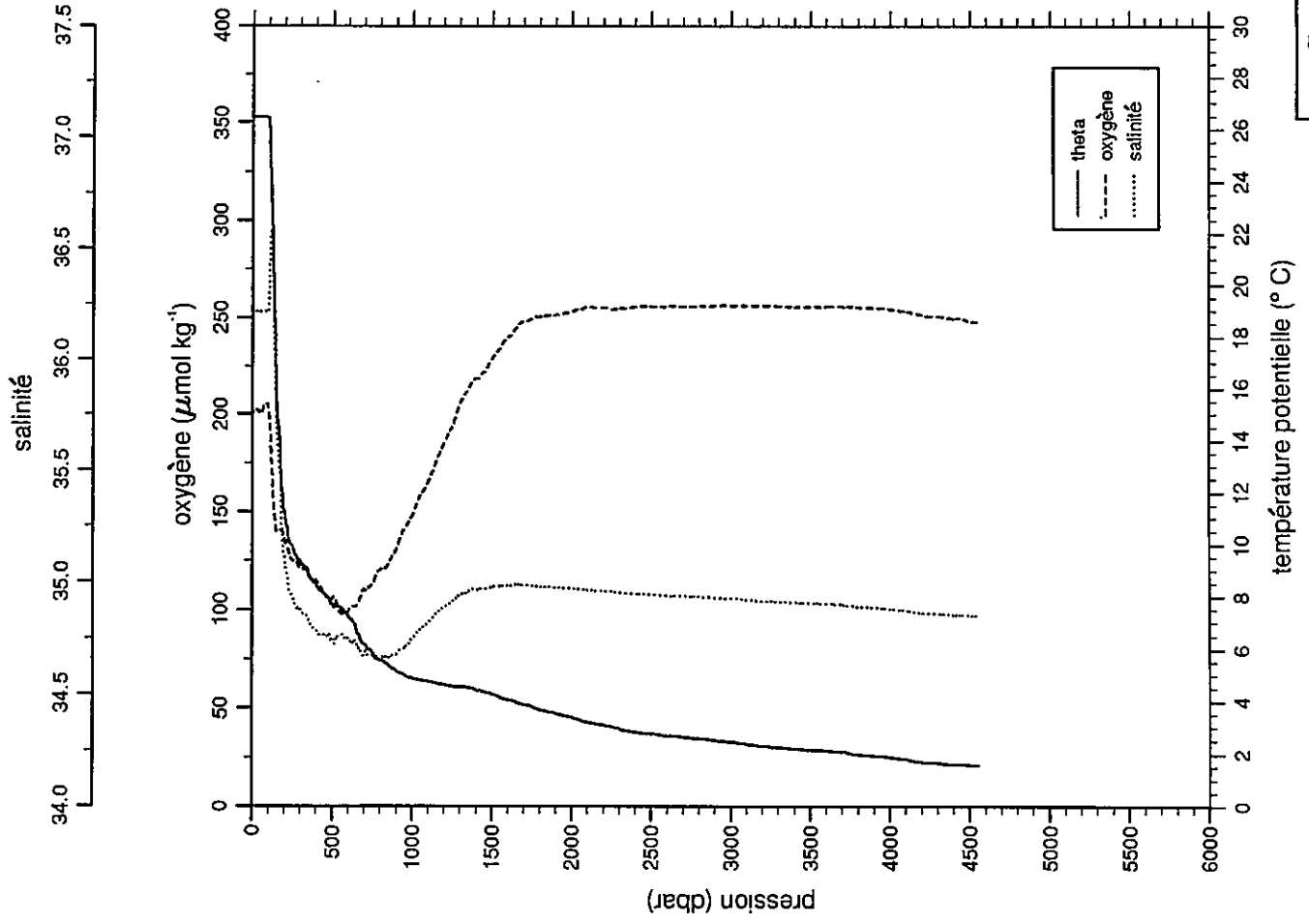
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.504	36.228	200.9	26.503	2850.	2.796	34.930	256.0	2.565
2.	26.504	36.228	200.1	26.503	2900.	2.773	34.930	256.0	2.537
3.	26.495	36.228	199.7	26.494	2950.	2.739	34.927	256.0	2.499
4.	26.497	36.228	200.0	26.496	3000.	2.701	34.925	256.0	2.457
5.	26.499	36.228	200.3	26.498	3050.	2.658	34.922	256.2	2.410
10.	26.508	36.228	201.6	26.506	3100.	2.617	34.919	256.1	2.365
20.	26.506	36.228	203.0	26.502	3150.	2.604	34.917	256.1	2.346
30.	26.507	36.229	204.0	26.500	3200.	2.578	34.915	256.1	2.316
40.	26.491	36.231	204.0	26.482	3250.	2.546	34.913	256.3	2.279
50.	26.491	36.231	202.9	26.480	3300.	2.540	34.912	256.3	2.268
100.	25.526	36.498	194.2	25.504	3350.	2.523	34.912	256.8	2.246
150.	18.643	36.140	140.9	18.616	3400.	2.499	34.910	257.0	2.217
200.	10.697	35.042	143.2	10.673	3450.	2.488	34.908	257.0	2.201
250.	9.705	34.907	135.2	9.676	3500.	2.460	34.906	257.1	2.169
300.	9.090	34.847	121.4	9.057	3550.	2.426	34.903	257.0	2.130
350.	8.772	34.812	118.4	8.734	3600.	2.428	34.902	256.7	2.127
400.	8.410	34.776	113.6	8.368	3650.	2.398	34.899	256.5	2.092
450.	7.921	34.735	111.4	7.875	3700.	2.371	34.897	256.4	2.060
500.	7.553	34.708	111.6	7.503	3750.	2.332	34.892	255.8	2.017
550.	7.265	34.685	114.3	7.212	3800.	2.294	34.889	255.3	1.974
600.	6.735	34.646	117.9	6.679	3850.	2.274	34.886	255.0	1.949
650.	6.587	34.644	118.2	6.527	3900.	2.266	34.885	255.0	1.936
700.	6.307	34.652	113.5	6.243	3950.	2.207	34.879	254.8	1.873
750.	6.223	34.680	111.8	6.154	4000.	2.172	34.876	254.0	1.833
800.	5.757	34.670	118.3	5.687	4050.	2.060	34.864	252.8	1.718
850.	5.508	34.655	124.2	5.435	4100.	2.044	34.862	251.6	1.698
900.	5.360	34.670	129.6	5.283	4150.	1.971	34.853	250.2	1.621
950.	5.152	34.696	137.8	5.072	4200.	1.978	34.854	249.1	1.622
1000.	5.071	34.723	144.1	4.987	4203.	1.979	34.854	249.2	1.622
1050.	4.986	34.750	151.1	4.898					
1100.	4.926	34.780	157.5	4.834					
1150.	4.887	34.825	168.0	4.790					
1200.	4.861	34.861	176.1	4.759					
1250.	4.805	34.902	190.3	4.699					
1300.	4.722	34.940	204.0	4.613					
1350.	4.647	34.960	214.3	4.534					
1400.	4.572	34.966	219.5	4.454					
1450.	4.484	34.974	225.3	4.363					
1500.	4.348	34.981	232.3	4.224					
1550.	4.274	34.992	240.8	4.146					
1600.	4.136	34.983	242.6	4.005					
1650.	4.055	34.981	243.9	3.920					
1700.	3.944	34.981	247.6	3.806					
1750.	3.883	34.979	249.3	3.741					
1800.	3.802	34.978	251.2	3.656					
1850.	3.731	34.978	254.4	3.582					
1900.	3.688	34.977	255.0	3.535					
1950.	3.659	34.975	255.0	3.501					
2000.	3.593	34.972	255.1	3.432					
2050.	3.459	34.969	256.3	3.295					
2100.	3.431	34.967	257.0	3.262					
2150.	3.359	34.964	257.0	3.187					
2200.	3.270	34.959	256.1	3.095					
2250.	3.220	34.956	256.2	3.040					
2300.	3.173	34.955	256.1	2.989					
2350.	3.118	34.951	255.3	2.930					
2400.	3.081	34.949	255.3	2.890					
2450.	3.066	34.948	255.1	2.870					
2500.	3.040	34.947	255.8	2.839					
2550.	3.011	34.945	255.8	2.805					
2600.	2.975	34.943	255.7	2.766					
2650.	2.949	34.941	255.7	2.735					
2700.	2.879	34.937	256.0	2.662					
2750.	2.850	34.935	255.8	2.628					
2800.	2.826	34.933	256.0	2.600					



Station 152

Station : 153 Campagne : CITHER1
Date : 22-02-93 Navire : L'ATALANTE
Profondeur: 4536 m Organisme : IFREMER
Position : N 7 26.96
 W 36 30.05

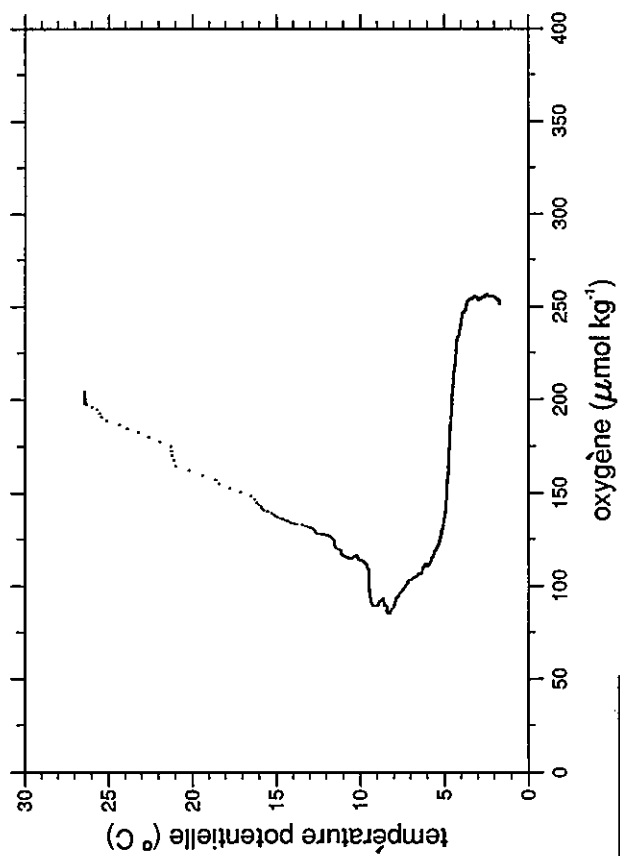
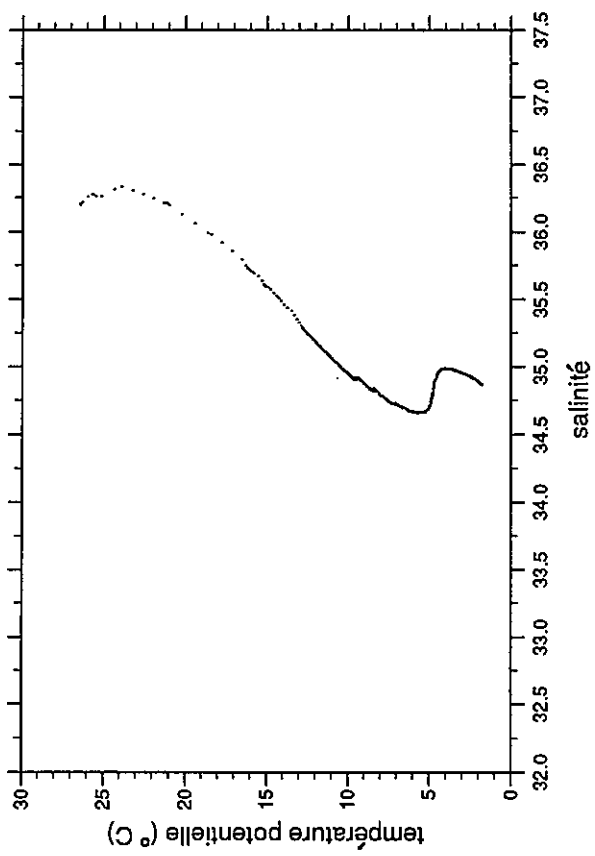
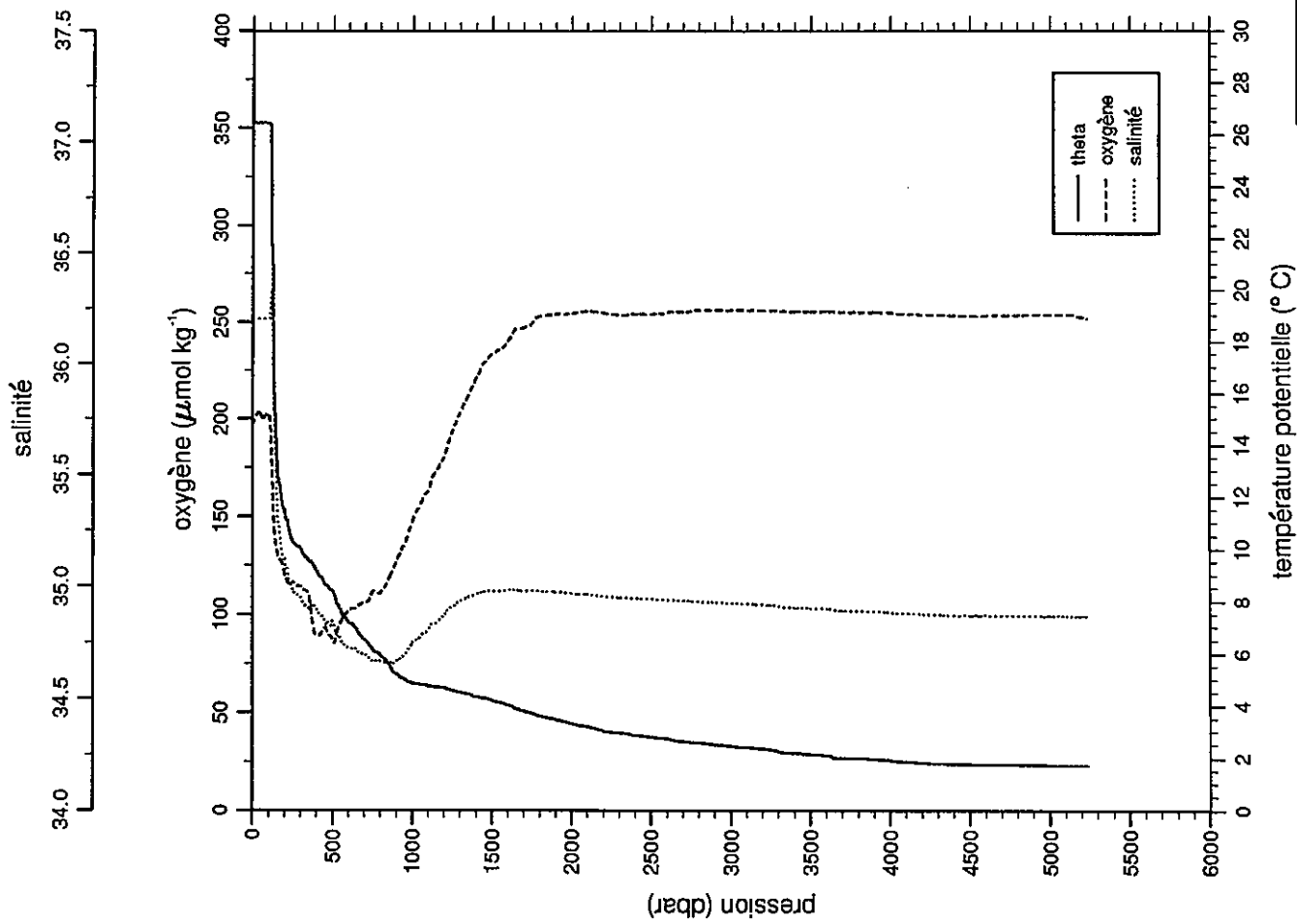
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.480	36.215	201.8	26.479	2850.	2.788	34.931	255.8	2.557
2.	26.480	36.215	200.8	26.479	2900.	2.751	34.929	256.0	2.516
3.	26.472	36.217	200.5	26.472	2950.	2.724	34.927	256.2	2.485
4.	26.477	36.216	200.7	26.477	3000.	2.694	34.925	256.0	2.450
5.	26.479	36.215	201.1	26.478	3050.	2.665	34.923	256.0	2.416
10.	26.481	36.215	202.3	26.479	3100.	2.637	34.920	256.1	2.383
20.	26.483	36.214	203.1	26.478	3150.	2.605	34.918	256.0	2.348
30.	26.485	36.216	202.2	26.478	3200.	2.569	34.915	256.0	2.307
40.	26.490	36.218	201.7	26.481	3250.	2.547	34.912	256.0	2.281
50.	26.490	36.216	200.1	26.478	3300.	2.521	34.911	255.8	2.249
100.	26.457	36.217	202.3	26.435	3350.	2.501	34.909	255.6	2.224
150.	15.563	35.695	140.2	15.540	3400.	2.488	34.908	255.5	2.207
200.	11.279	35.114	136.1	11.254	3450.	2.471	34.906	255.5	2.185
250.	9.953	34.935	125.1	9.924	3500.	2.453	34.904	255.6	2.162
300.	9.368	34.870	120.6	9.334	3550.	2.449	34.904	255.5	2.152
350.	8.972	34.833	117.9	8.934	3600.	2.432	34.902	255.6	2.130
400.	8.534	34.787	114.9	8.492	3650.	2.422	34.900	255.6	2.115
450.	8.133	34.760	108.3	8.086	3700.	2.405	34.898	255.6	2.093
500.	7.752	34.737	105.7	7.701	3750.	2.345	34.893	255.6	2.029
550.	7.651	34.763	98.6	7.596	3800.	2.299	34.890	255.3	1.979
600.	7.288	34.739	99.3	7.229	3850.	2.285	34.888	255.0	1.959
650.	6.810	34.723	101.7	6.748	3900.	2.261	34.885	254.7	1.931
700.	6.265	34.687	110.1	6.201	3950.	2.249	34.884	254.7	1.914
750.	5.963	34.670	112.6	5.896	4000.	2.210	34.879	254.1	1.869
800.	5.633	34.660	120.5	5.563	4050.	2.185	34.876	253.7	1.840
850.	5.435	34.664	123.0	5.362	4100.	2.155	34.873	253.2	1.805
900.	5.237	34.676	130.5	5.161	4150.	2.090	34.866	252.2	1.736
950.	5.083	34.705	141.0	5.003	4200.	2.052	34.862	251.5	1.693
1000.	4.966	34.748	147.9	4.882	4250.	2.042	34.860	250.9	1.678
1050.	4.886	34.787	158.0	4.799	4300.	2.038	34.859	250.8	1.668
1100.	4.849	34.819	165.0	4.757	4350.	1.998	34.854	250.0	1.624
1150.	4.789	34.857	175.3	4.693	4400.	1.987	34.852	249.7	1.608
1200.	4.730	34.886	185.1	4.630	4450.	1.986	34.852	249.7	1.600
1250.	4.677	34.911	193.2	4.573	4500.	1.974	34.851	248.0	1.583
1300.	4.659	34.942	205.4	4.550	4550.	1.972	34.849	247.4	1.575
1350.	4.640	34.957	212.7	4.527	4554.	1.973	34.850	247.1	1.575
1400.	4.561	34.963	218.6	4.444					
1450.	4.484	34.966	221.9	4.363					
1500.	4.411	34.976	228.2	4.287					
1550.	4.281	34.980	234.2	4.153					
1600.	4.181	34.982	239.9	4.049					
1650.	4.107	34.986	244.5	3.972					
1700.	4.016	34.985	247.9	3.877					
1750.	3.935	34.983	249.4	3.792					
1800.	3.813	34.978	250.5	3.668					
1850.	3.756	34.977	251.2	3.606					
1900.	3.700	34.974	251.3	3.546					
1950.	3.608	34.970	252.1	3.451					
2000.	3.560	34.970	253.1	3.399					
2050.	3.474	34.967	254.3	3.309					
2100.	3.379	34.963	255.3	3.211					
2150.	3.313	34.960	255.1	3.141					
2200.	3.289	34.959	255.0	3.113					
2250.	3.219	34.954	254.3	3.040					
2300.	3.128	34.951	254.8	2.946					
2350.	3.066	34.948	254.9	2.879					
2400.	3.019	34.945	255.5	2.828					
2450.	2.982	34.944	256.0	2.787					
2500.	2.960	34.942	255.7	2.761					
2550.	2.934	34.940	255.6	2.730					
2600.	2.895	34.938	255.6	2.687					
2650.	2.879	34.937	255.9	2.666					
2700.	2.855	34.935	255.8	2.638					
2750.	2.838	34.934	255.8	2.617					
2800.	2.803	34.932	256.0	2.577					



Station 153

Station	: 154	Campagne	: CITHER1
Date	: 22-02-93	Navire	: L'ATALANTE
Profondeur	: 5350 m	Organisme	: IFREMER
Position	: N 7 26.98		
	W 36 0.00		

PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.447	36.200	198.7	26.446	2850.	2.771	34.930	256.3	2.541
2.	26.447	36.200	197.7	26.446	2900.	2.743	34.928	256.4	2.508
3.	26.444	36.201	197.7	26.444	2950.	2.720	34.927	256.2	2.480
4.	26.444	36.201	198.0	26.444	3000.	2.697	34.925	256.1	2.453
5.	26.444	36.201	198.0	26.443	3050.	2.660	34.923	256.3	2.411
10.	26.450	36.200	199.6	26.447	3100.	2.649	34.922	256.2	2.396
20.	26.454	36.200	201.3	26.450	3150.	2.637	34.920	256.1	2.379
30.	26.456	36.200	202.9	26.450	3200.	2.623	34.920	256.0	2.359
40.	26.459	36.200	204.2	26.449	3250.	2.585	34.916	256.0	2.317
50.	26.460	36.200	202.2	26.448	3300.	2.524	34.912	255.9	2.252
100.	26.453	36.202	201.7	26.431	3350.	2.486	34.909	255.7	2.210
150.	13.741	35.436	133.1	13.720	3400.	2.464	34.906	255.6	2.184
200.	11.473	35.116	120.6	11.448	3450.	2.452	34.905	255.5	2.166
250.	10.309	34.977	116.1	10.279	3500.	2.430	34.903	255.5	2.140
300.	10.052	34.950	114.2	10.016	3550.	2.421	34.902	255.6	2.125
350.	9.610	34.905	110.1	9.570	3600.	2.414	34.901	255.5	2.113
400.	9.247	34.900	89.1	9.203	3650.	2.327	34.893	255.5	2.022
450.	8.736	34.839	93.0	8.687	3700.	2.320	34.893	255.2	2.010
500.	8.464	34.843	86.1	8.411	3750.	2.307	34.892	255.2	1.992
550.	7.750	34.765	95.5	7.694	3800.	2.308	34.891	255.3	1.988
600.	7.239	34.721	101.6	7.181	3850.	2.305	34.890	255.3	1.979
650.	7.015	34.718	103.5	6.952	3900.	2.290	34.888	255.3	1.959
700.	6.595	34.693	106.4	6.529	3950.	2.282	34.887	255.0	1.945
750.	6.235	34.668	111.3	6.167	4000.	2.258	34.884	254.9	1.917
800.	6.008	34.665	111.1	5.936	4050.	2.221	34.880	254.4	1.875
850.	5.705	34.654	117.5	5.630	4100.	2.221	34.880	254.2	1.869
900.	5.294	34.667	126.8	5.218	4150.	2.194	34.877	254.2	1.838
950.	5.104	34.691	135.6	5.024	4200.	2.185	34.876	253.9	1.823
1000.	4.954	34.747	147.2	4.871	4250.	2.172	34.874	253.6	1.804
1050.	4.910	34.776	155.9	4.822	4300.	2.171	34.874	253.6	1.798
1100.	4.861	34.807	162.9	4.769	4350.	2.162	34.872	253.5	1.783
1150.	4.823	34.836	173.0	4.727	4400.	2.155	34.871	253.3	1.770
1200.	4.792	34.874	180.6	4.692	4450.	2.158	34.871	253.2	1.767
1250.	4.694	34.911	193.3	4.590	4500.	2.156	34.870	253.2	1.760
1300.	4.636	34.933	203.0	4.528	4550.	2.158	34.870	253.2	1.755
1350.	4.566	34.951	212.0	4.454	4600.	2.163	34.869	253.3	1.754
1400.	4.457	34.965	221.1	4.341	4650.	2.163	34.869	253.5	1.748
1450.	4.406	34.975	229.1	4.286	4700.	2.165	34.869	253.5	1.744
1500.	4.326	34.979	233.3	4.202	4750.	2.169	34.868	253.4	1.742
1550.	4.246	34.980	236.0	4.119	4800.	2.172	34.868	253.5	1.738
1600.	4.167	34.983	240.1	4.036	4850.	2.178	34.868	253.6	1.738
1650.	4.028	34.982	246.5	3.893	4900.	2.182	34.868	253.6	1.736
1700.	3.936	34.980	247.1	3.798	4950.	2.188	34.868	253.7	1.735
1750.	3.855	34.980	249.2	3.713	5000.	2.192	34.866	253.8	1.733
1800.	3.752	34.979	252.9	3.607	5050.	2.197	34.867	253.8	1.731
1850.	3.682	34.976	253.6	3.534	5100.	2.203	34.866	253.8	1.731
1900.	3.621	34.974	254.1	3.468	5150.	2.209	34.866	253.7	1.730
1950.	3.556	34.971	254.1	3.400	5200.	2.215	34.866	252.5	1.730
2000.	3.478	34.967	254.4	3.319	5236.	2.219	34.867	251.4	1.729
2050.	3.395	34.965	255.4	3.231					
2100.	3.369	34.963	255.7	3.202					
2150.	3.293	34.959	255.4	3.122					
2200.	3.213	34.956	254.9	3.038					
2250.	3.174	34.953	254.3	2.996					
2300.	3.154	34.951	253.5	2.971					
2350.	3.129	34.950	253.7	2.942					
2400.	3.080	34.947	254.2	2.888					
2450.	3.032	34.944	254.2	2.836					
2500.	3.009	34.944	254.1	2.809					
2550.	2.968	34.942	254.6	2.764					
2600.	2.945	34.941	255.1	2.737					
2650.	2.883	34.937	255.5	2.670					
2700.	2.848	34.935	255.4	2.631					
2750.	2.819	34.934	255.9	2.598					
2800.	2.792	34.932	256.1	2.566					



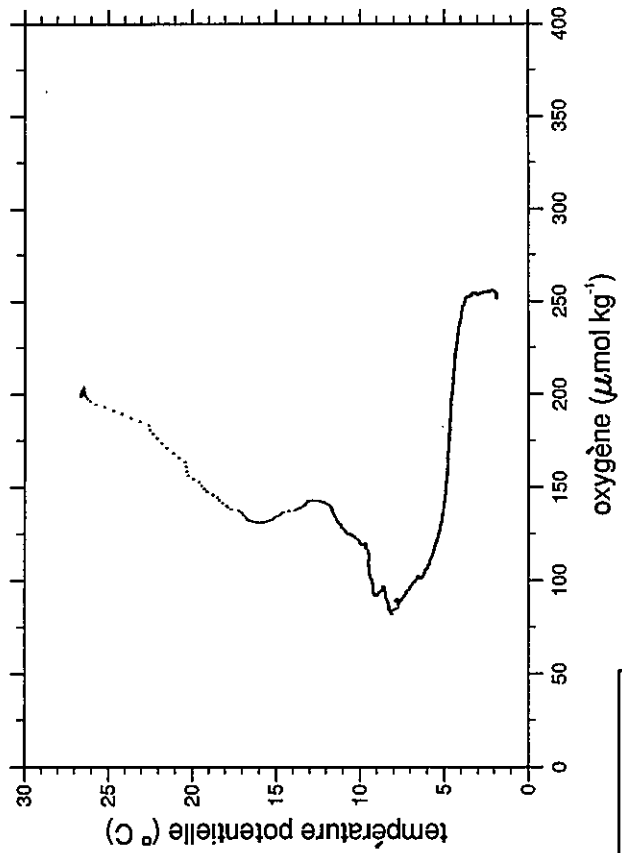
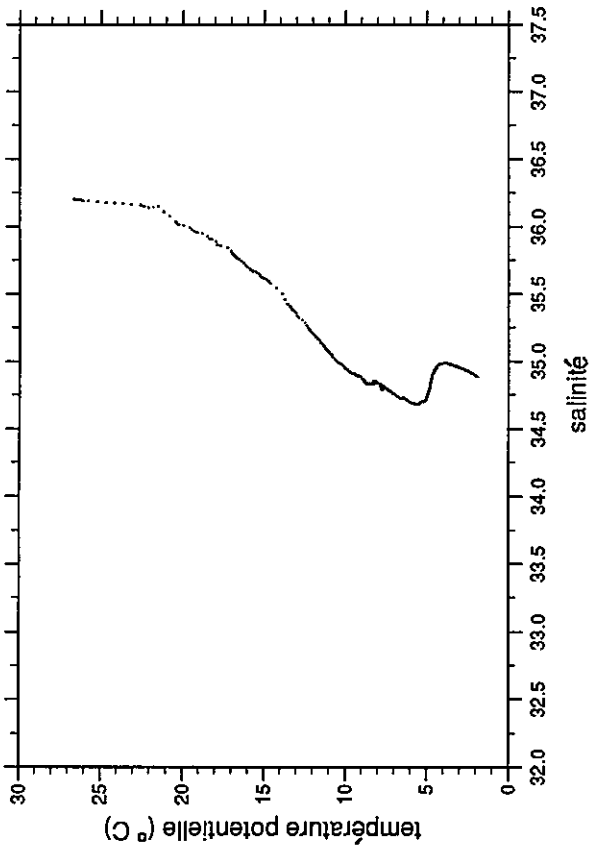
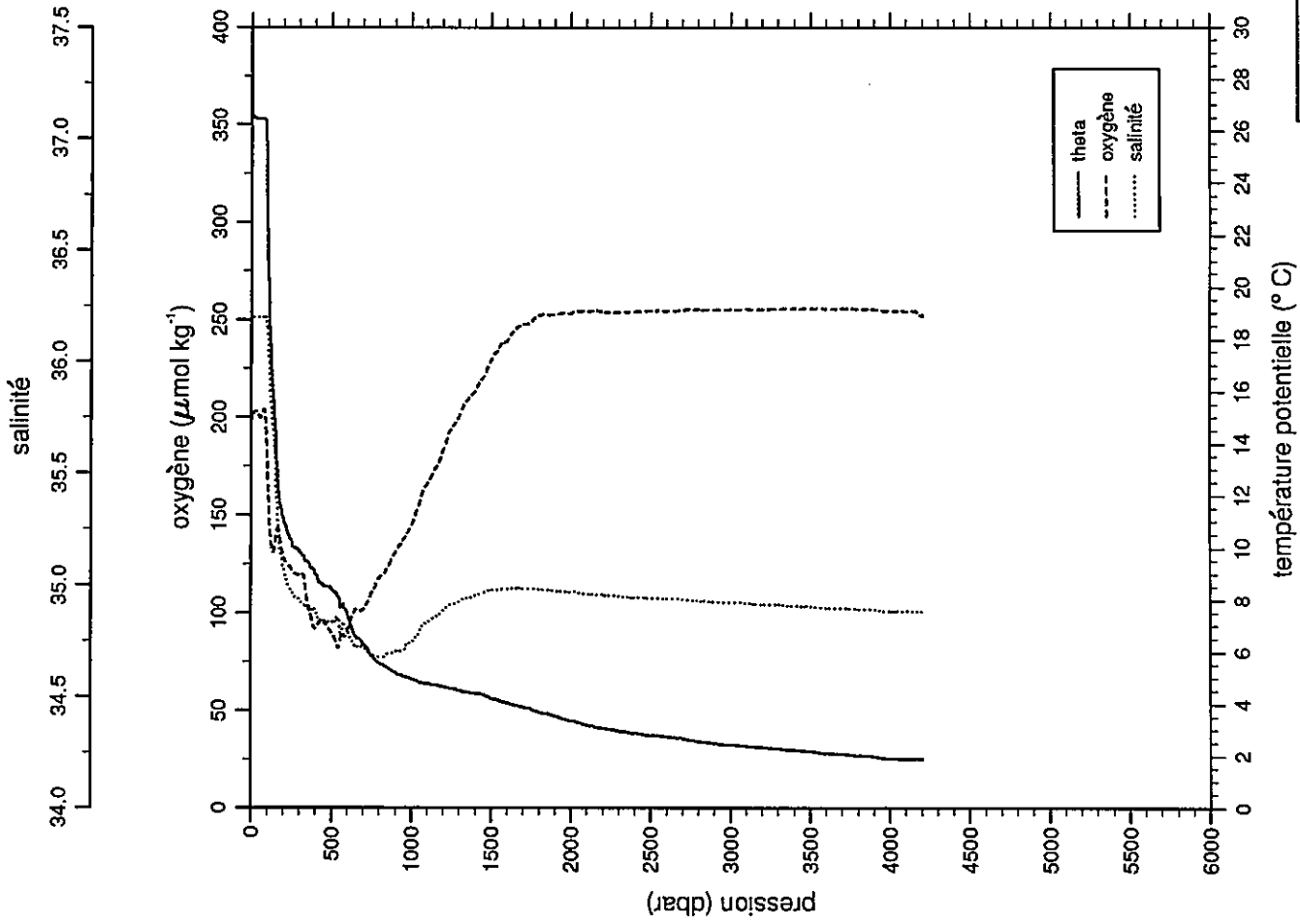
Station 154

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| Station   : 155           Campagne  : CITHER1
| Date     : 22-02-93      Navire   : L'ATALANTE
| Profondeur: 4162 m      Organisme : IFREMER
| Position  : N   7 26.97
|           : W  35 30.44
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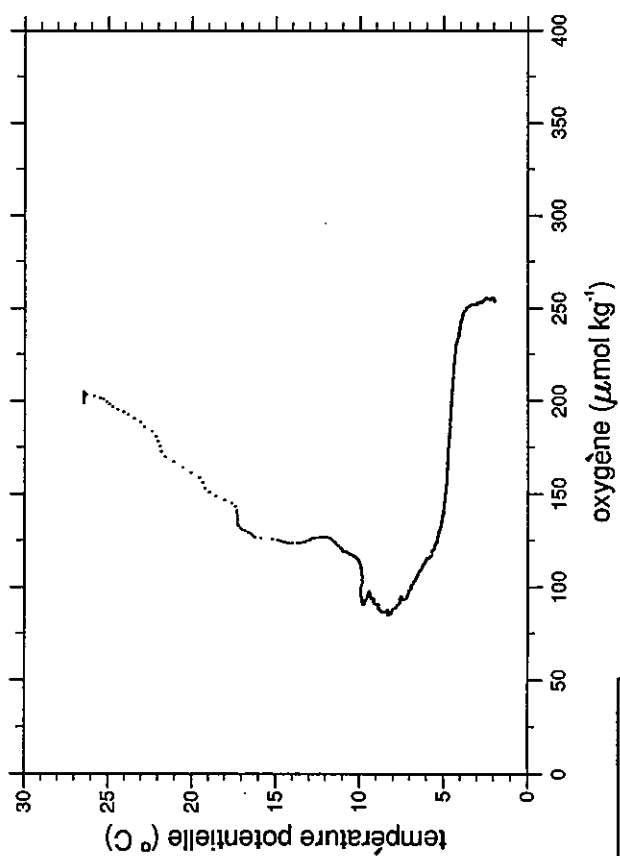
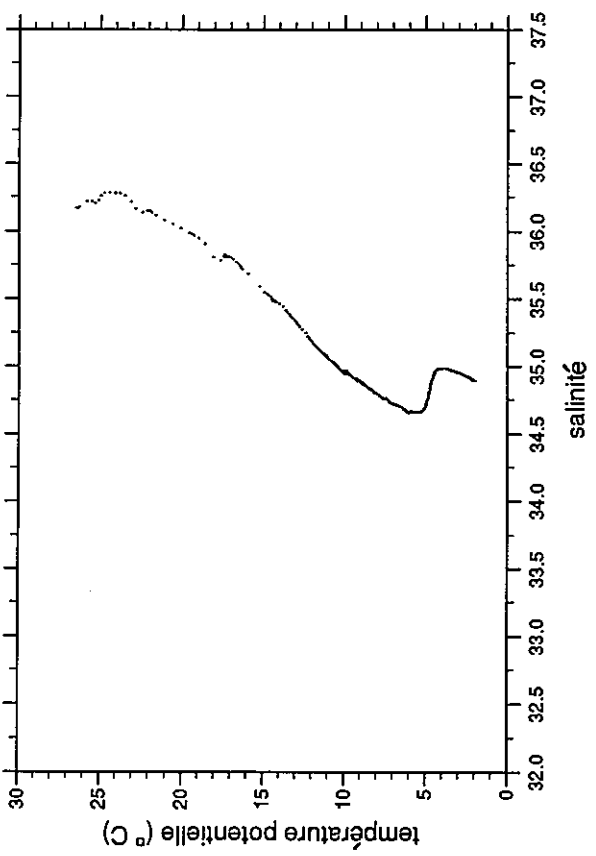
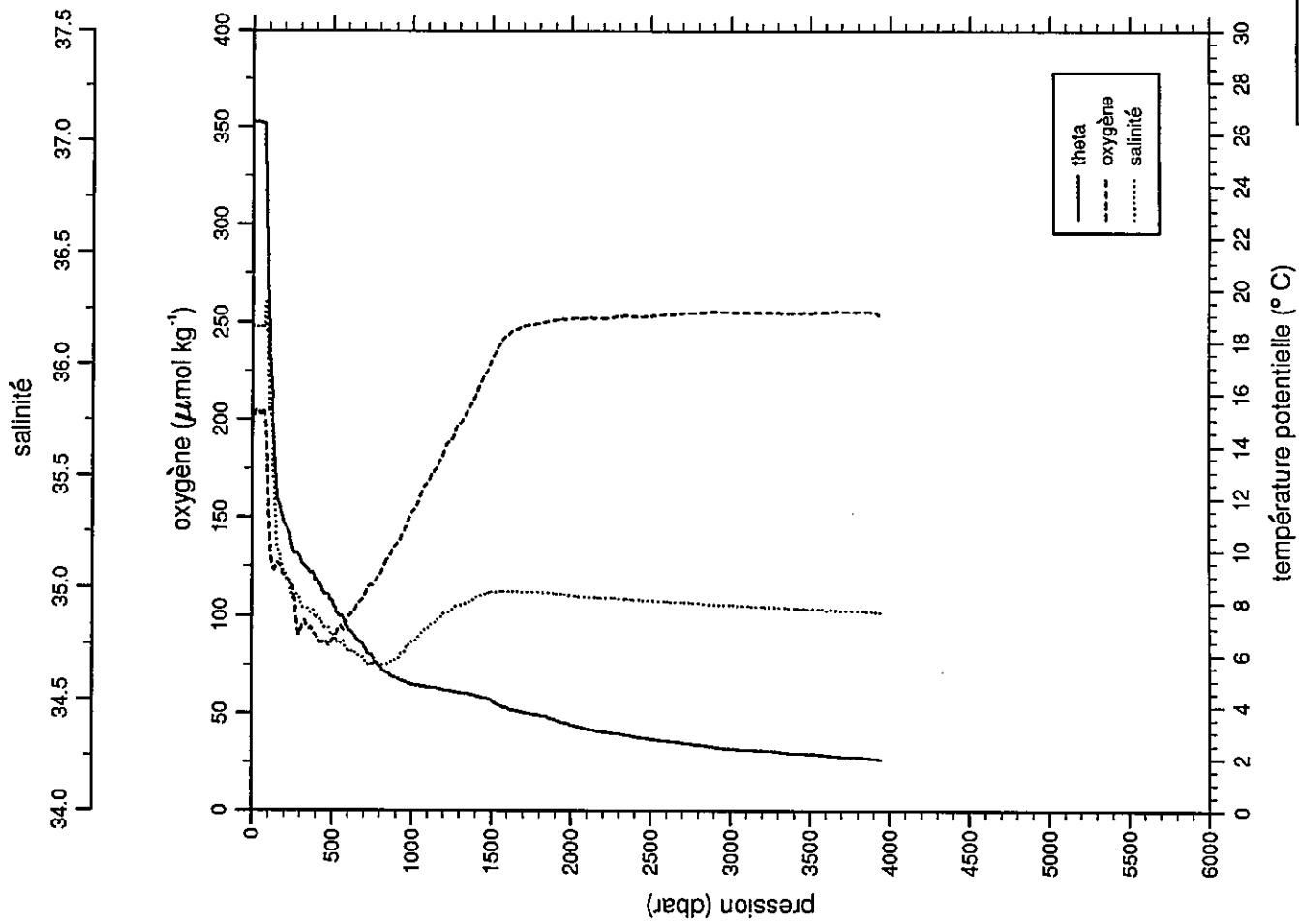
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.601	36.198	201.1	26.601	2850.	2.753	34.929	255.1	2.523
2.	26.601	36.198	199.9	26.600	2900.	2.711	34.926	255.0	2.477
3.	26.622	36.200	199.1	26.621	2950.	2.681	34.924	255.2	2.442
4.	26.623	36.200	198.9	26.622	3000.	2.667	34.923	255.2	2.424
5.	26.623	36.200	199.5	26.622	3050.	2.659	34.922	255.2	2.411
10.	26.605	36.199	201.3	26.602	3100.	2.615	34.918	255.3	2.363
20.	26.515	36.196	202.8	26.510	3150.	2.601	34.918	255.0	2.343
30.	26.493	36.197	203.1	26.486	3200.	2.593	34.915	255.0	2.331
40.	26.489	36.197	202.5	26.480	3250.	2.559	34.914	255.3	2.292
50.	26.486	36.197	200.5	26.475	3300.	2.547	34.913	255.5	2.275
100.	22.113	36.137	176.1	22.093	3350.	2.515	34.909	255.5	2.239
150.	14.700	35.584	136.0	14.677	3400.	2.506	34.909	255.5	2.224
200.	11.153	35.082	128.9	11.128	3450.	2.479	34.907	255.5	2.193
250.	10.314	34.981	122.8	10.285	3500.	2.474	34.905	255.7	2.183
300.	9.894	34.935	119.0	9.859	3550.	2.427	34.903	255.8	2.131
350.	9.509	34.908	106.5	9.469	3600.	2.382	34.898	255.5	2.081
400.	9.044	34.873	92.0	9.000	3650.	2.381	34.897	255.4	2.075
450.	8.602	34.828	96.4	8.554	3700.	2.380	34.897	255.7	2.069
500.	8.480	34.835	89.8	8.427	3750.	2.357	34.895	255.6	2.041
550.	8.147	34.847	83.3	8.090	3800.	2.327	34.892	255.5	2.006
600.	7.547	34.799	90.3	7.487	3850.	2.312	34.890	255.3	1.986
650.	6.672	34.722	101.4	6.611	3900.	2.285	34.887	255.1	1.954
700.	6.347	34.716	101.7	6.283	3950.	2.245	34.884	254.6	1.910
750.	5.932	34.685	109.6	5.865	4000.	2.233	34.882	254.4	1.892
800.	5.648	34.677	117.7	5.578	4050.	2.229	34.882	254.2	1.883
850.	5.466	34.690	122.9	5.393	4100.	2.232	34.880	254.1	1.880
900.	5.284	34.702	130.5	5.208	4150.	2.239	34.880	254.3	1.880
950.	5.134	34.709	137.1	5.054	4200.	2.243	34.881	252.6	1.879
1000.	5.051	34.741	144.0	4.967	4206.	2.244	34.881	251.8	1.879
1050.	4.927	34.781	155.2	4.839					
1100.	4.888	34.827	165.8	4.795					
1150.	4.818	34.856	173.4	4.722					
1200.	4.766	34.885	182.6	4.666					
1250.	4.697	34.913	193.9	4.593					
1300.	4.640	34.927	200.3	4.532					
1350.	4.565	34.942	208.3	4.453					
1400.	4.524	34.953	213.2	4.408					
1450.	4.482	34.966	220.3	4.361					
1500.	4.334	34.977	228.8	4.210					
1550.	4.268	34.983	235.4	4.140					
1600.	4.168	34.981	238.9	4.037					
1650.	4.073	34.985	244.7	3.938					
1700.	4.015	34.985	247.4	3.876					
1750.	3.950	34.984	248.6	3.807					
1800.	3.833	34.981	252.0	3.687					
1850.	3.782	34.979	252.5	3.632					
1900.	3.693	34.975	252.4	3.539					
1950.	3.581	34.971	253.4	3.425					
2000.	3.513	34.967	253.1	3.353					
2050.	3.435	34.965	254.2	3.271					
2100.	3.363	34.962	254.1	3.196					
2150.	3.283	34.958	254.6	3.112					
2200.	3.234	34.956	254.0	3.059					
2250.	3.180	34.952	253.7	3.001					
2300.	3.134	34.950	253.8	2.951					
2350.	3.109	34.949	253.9	2.921					
2400.	3.056	34.947	254.2	2.865					
2450.	3.023	34.944	254.3	2.827					
2500.	2.991	34.943	254.5	2.791					
2550.	2.979	34.942	254.6	2.775					
2600.	2.944	34.940	254.3	2.735					
2650.	2.919	34.939	254.4	2.705					
2700.	2.880	34.936	254.7	2.662					
2750.	2.816	34.933	255.3	2.595					
2800.	2.775	34.931	255.3	2.550					



Station 155

Station	: 156	Campagne	: CITHER1
Date	: 22-02-93	Navire	: L'ATALANTE
Profondeur	: 3931 m	Organisme	: IFREMER
Position	: N 7 26.89		
	W 34 59.95		

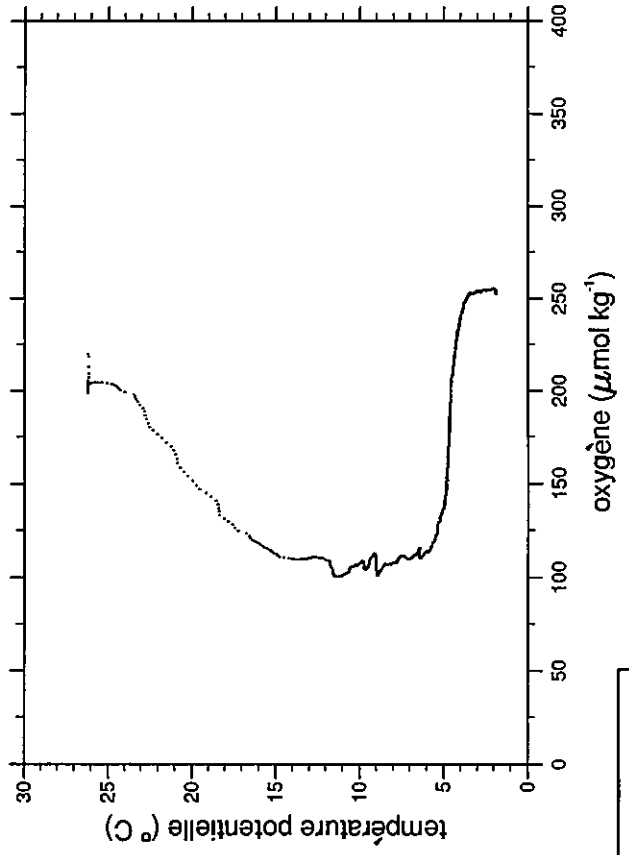
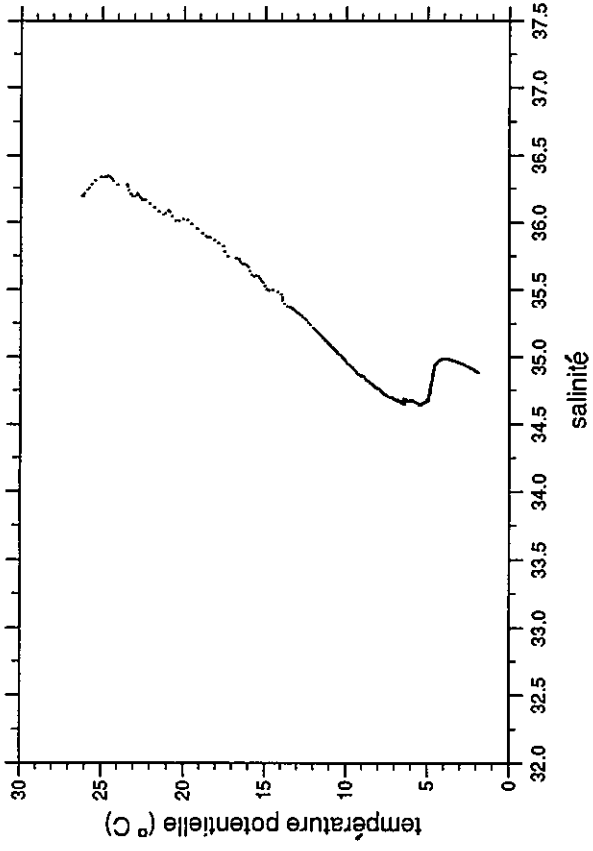
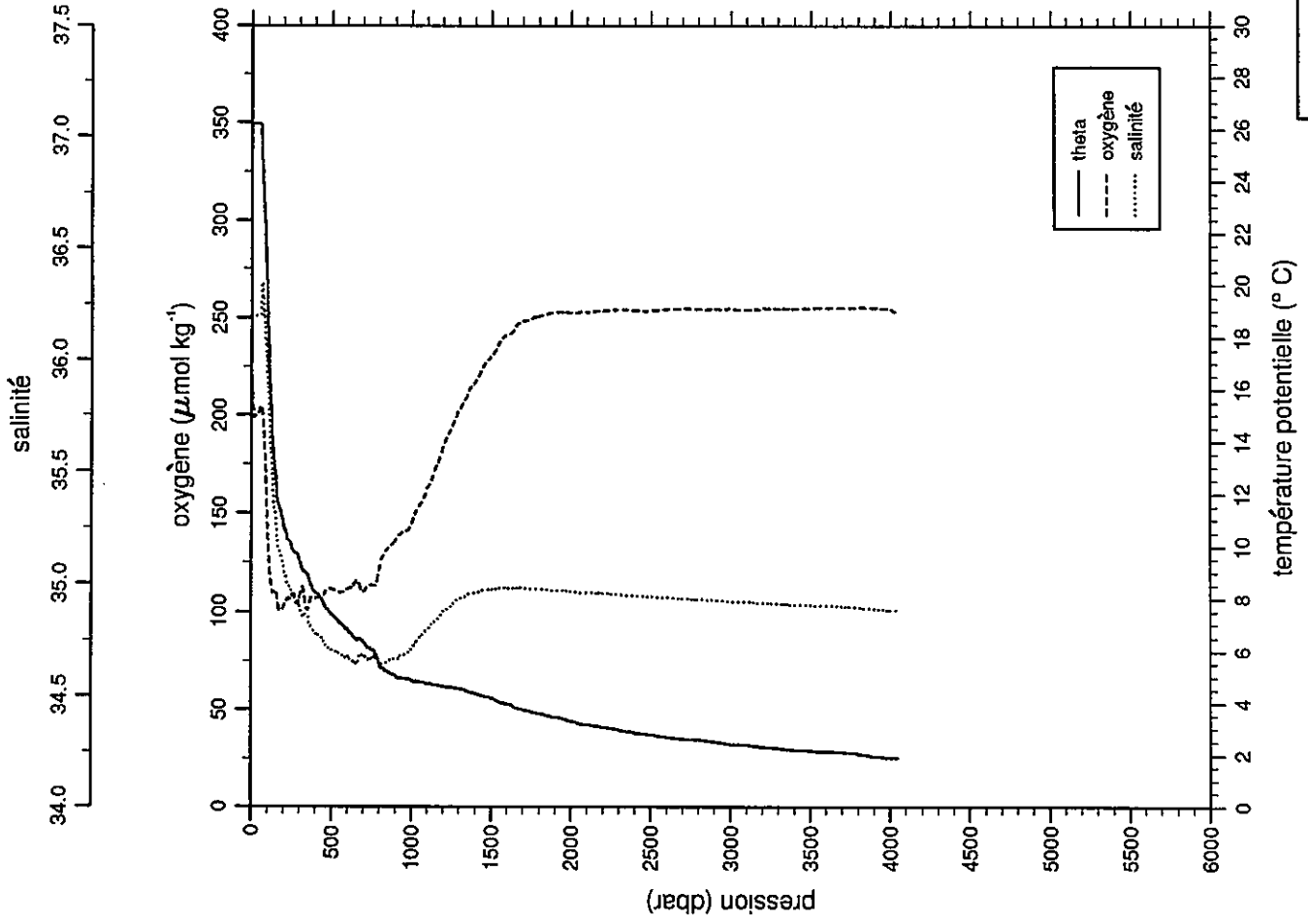
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.435	36.168	200.4	26.435	2850.	2.739	34.928	255.3	2.509
2.	26.435	36.168	200.4	26.434	2900.	2.692	34.924	255.5	2.458
3.	26.435	36.168	199.0	26.434	2950.	2.658	34.922	255.4	2.420
4.	26.425	36.169	198.6	26.425	3000.	2.639	34.921	255.2	2.396
5.	26.428	36.169	198.9	26.427	3050.	2.606	34.919	255.1	2.359
10.	26.437	36.168	201.4	26.435	3100.	2.605	34.918	255.1	2.352
20.	26.444	36.167	204.3	26.440	3150.	2.598	34.917	255.1	2.340
30.	26.448	36.167	205.0	26.441	3200.	2.589	34.915	255.1	2.326
40.	26.442	36.167	205.1	26.433	3250.	2.577	34.915	255.0	2.309
50.	26.430	36.166	203.2	26.419	3300.	2.545	34.912	254.9	2.273
100.	19.540	35.986	158.4	19.522	3350.	2.512	34.908	254.7	2.235
150.	12.607	35.272	126.4	12.587	3400.	2.488	34.907	254.6	2.207
200.	11.044	35.064	119.8	11.019	3450.	2.486	34.907	254.8	2.200
250.	10.176	34.965	115.3	10.146	3500.	2.480	34.906	254.7	2.188
300.	9.742	34.946	91.7	9.707	3550.	2.469	34.904	255.1	2.171
350.	9.329	34.906	93.3	9.290	3600.	2.429	34.897	255.2	2.127
400.	8.914	34.870	89.9	8.870	3650.	2.420	34.901	255.5	2.113
450.	8.420	34.826	87.6	8.372	3700.	2.386	34.898	255.5	2.075
500.	8.115	34.800	87.7	8.063	3750.	2.382	34.898	255.4	2.065
550.	7.553	34.751	94.7	7.498	3800.	2.383	34.897	255.4	2.061
600.	7.051	34.715	98.6	6.993	3850.	2.375	34.896	255.4	2.048
650.	6.721	34.705	104.1	6.659	3900.	2.342	34.893	255.2	2.009
700.	6.377	34.680	109.6	6.313	3946.	2.293	34.889	254.0	1.957
750.	6.029	34.663	115.5	5.962					
800.	5.629	34.657	121.1	5.559					
850.	5.370	34.661	129.0	5.298					
900.	5.168	34.682	136.0	5.092					
950.	5.061	34.713	142.8	4.982					
1000.	4.943	34.758	152.1	4.859					
1050.	4.897	34.794	160.0	4.809					
1100.	4.851	34.817	167.6	4.760					
1150.	4.818	34.845	174.4	4.722					
1200.	4.748	34.885	183.1	4.648					
1250.	4.708	34.901	189.4	4.604					
1300.	4.663	34.919	197.8	4.554					
1350.	4.620	34.935	204.1	4.507					
1400.	4.556	34.954	212.3	4.439					
1450.	4.483	34.969	222.1	4.362					
1500.	4.370	34.980	230.5	4.246					
1550.	4.181	34.981	238.5	4.054					
1600.	4.083	34.983	243.2	3.953					
1650.	3.992	34.982	246.2	3.858					
1700.	3.918	34.980	248.0	3.780					
1750.	3.866	34.978	248.7	3.724					
1800.	3.820	34.977	249.3	3.674					
1850.	3.763	34.975	250.3	3.613					
1900.	3.659	34.972	251.1	3.506					
1950.	3.543	34.968	251.7	3.387					
2000.	3.461	34.964	251.8	3.302					
2050.	3.376	34.960	251.9	3.213					
2100.	3.306	34.957	252.2	3.140					
2150.	3.261	34.954	252.1	3.090					
2200.	3.201	34.953	252.1	3.026					
2250.	3.175	34.952	252.3	2.996					
2300.	3.135	34.951	253.1	2.952					
2350.	3.096	34.950	253.3	2.909					
2400.	3.038	34.946	253.0	2.847					
2450.	2.991	34.944	252.8	2.796					
2500.	2.948	34.941	253.2	2.749					
2550.	2.918	34.939	253.7	2.715					
2600.	2.885	34.938	254.1	2.677					
2650.	2.872	34.937	254.0	2.660					
2700.	2.831	34.935	254.6	2.614					
2750.	2.791	34.932	254.6	2.570					
2800.	2.772	34.930	254.8	2.547					



Station 156

Station : 157	Campagne : CITHER1
Date : 23-02-93	Navire : L'ATALANTE
Profondeur: 4048 m	Organisme : IFREMER
Position : N 7 26.96	
W 34 30.06	

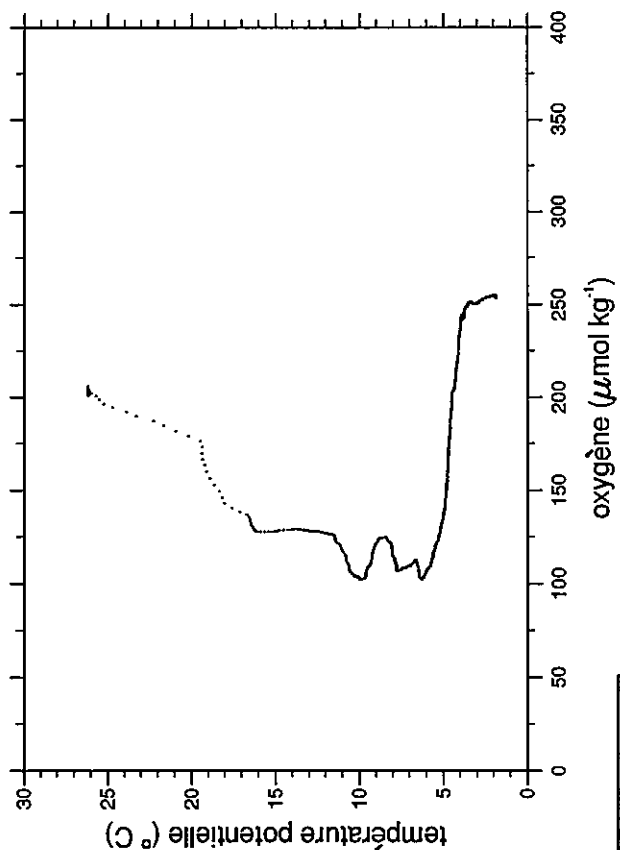
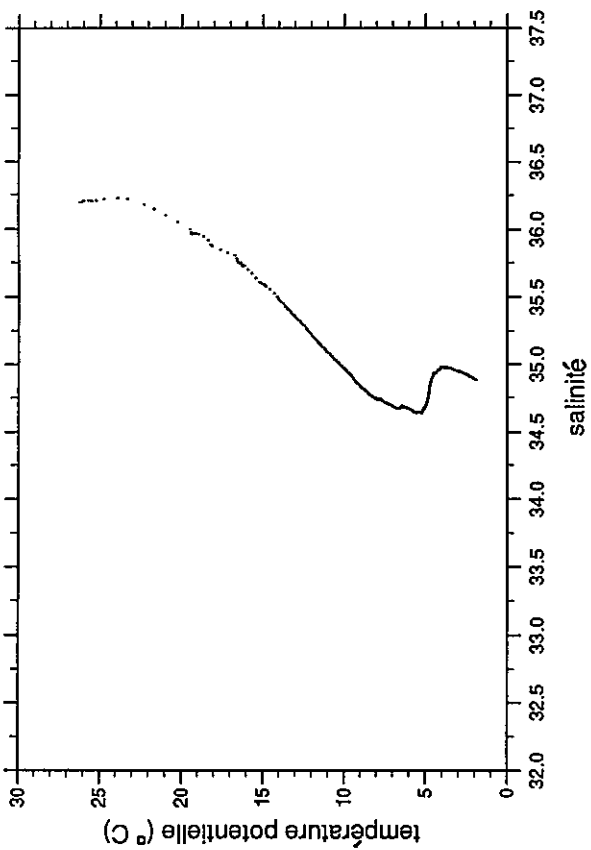
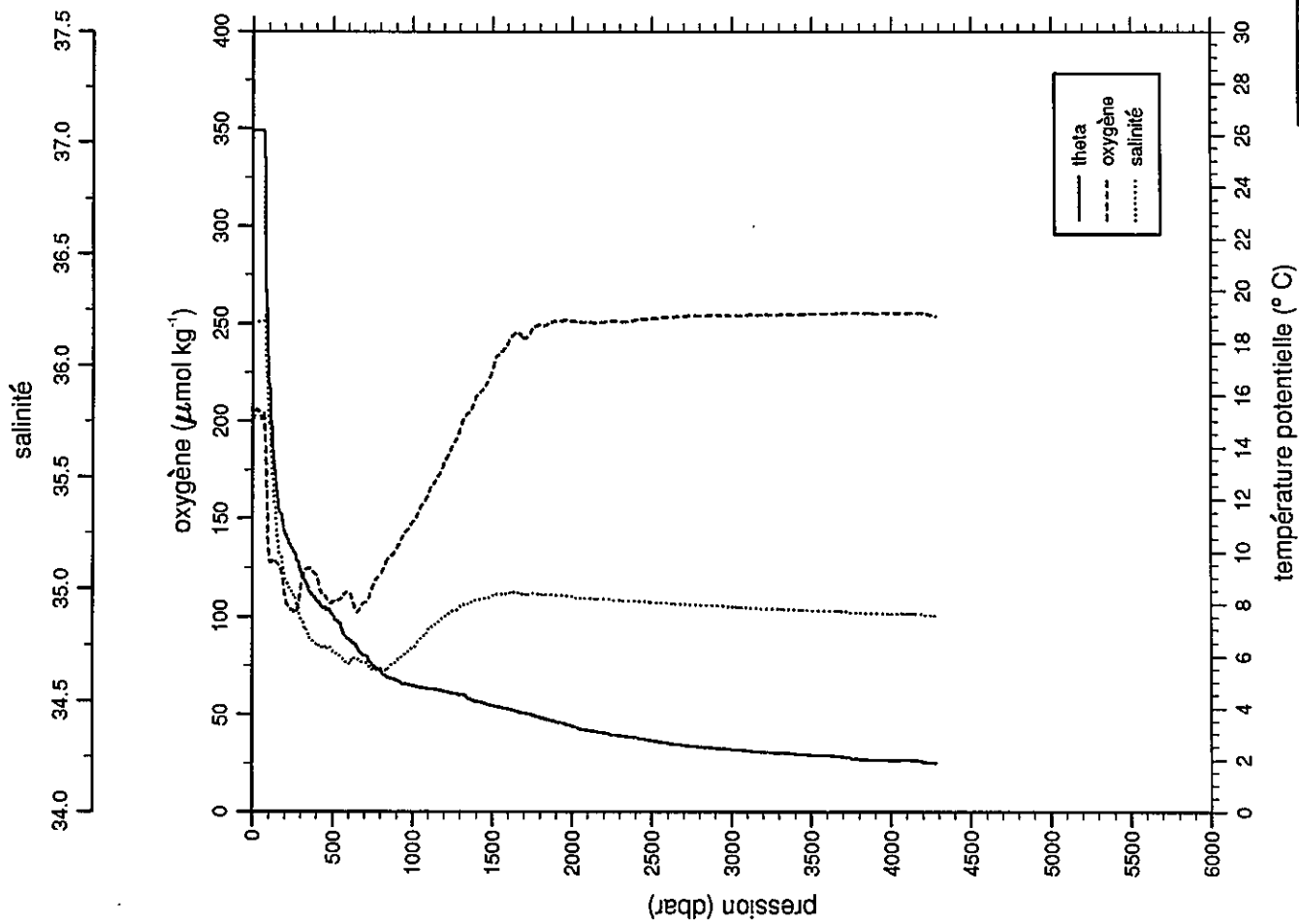
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.188	36.194	205.6	26.188	2850.	2.776	34.930	254.0	2.546
2.	26.188	36.194	220.1	26.188	2900.	2.747	34.927	254.4	2.512
3.	26.182	36.193	218.3	26.182	2950.	2.706	34.925	254.2	2.466
4.	26.182	36.194	213.0	26.181	3000.	2.656	34.921	254.6	2.413
5.	26.183	36.195	209.2	26.182	3050.	2.640	34.920	254.1	2.392
10.	26.191	36.194	203.7	26.189	3100.	2.631	34.918	254.1	2.378
20.	26.197	36.194	199.0	26.192	3150.	2.594	34.916	254.2	2.337
30.	26.196	36.195	200.0	26.189	3200.	2.568	34.914	254.9	2.306
40.	26.199	36.195	201.2	26.190	3250.	2.550	34.912	254.5	2.283
50.	26.201	36.195	201.7	26.190	3300.	2.528	34.911	254.5	2.257
100.	18.855	35.918	142.8	18.837	3350.	2.485	34.906	254.7	2.209
150.	12.759	35.306	110.8	12.738	3400.	2.469	34.906	254.6	2.188
200.	10.838	35.067	102.1	10.814	3450.	2.461	34.904	254.7	2.174
250.	10.040	34.966	107.4	10.011	3500.	2.458	34.904	254.9	2.166
300.	9.484	34.898	106.9	9.450	3550.	2.433	34.903	255.1	2.137
350.	8.957	34.852	101.0	8.919	3600.	2.437	34.902	255.0	2.135
400.	8.261	34.775	106.8	8.219	3650.	2.434	34.902	255.2	2.127
450.	7.866	34.740	108.0	7.821	3700.	2.416	34.899	255.2	2.104
500.	7.448	34.703	111.6	7.399	3750.	2.400	34.897	255.1	2.083
550.	7.138	34.689	109.7	7.085	3800.	2.361	34.894	255.4	2.039
600.	6.844	34.668	111.4	6.788	3850.	2.328	34.892	255.2	2.001
650.	6.557	34.651	114.9	6.496	3900.	2.276	34.887	254.9	1.946
700.	6.425	34.683	110.1	6.361	3950.	2.271	34.886	254.8	1.935
750.	6.122	34.663	113.6	6.054	4000.	2.230	34.882	254.3	1.890
800.	5.564	34.641	121.4	5.495	4049.	2.229	34.882	252.3	1.883
850.	5.303	34.652	131.7	5.231					
900.	5.170	34.666	136.0	5.094					
950.	5.020	34.676	140.4	4.941					
1000.	4.966	34.712	144.4	4.882					
1050.	4.920	34.760	153.8	4.833					
1100.	4.844	34.796	162.5	4.753					
1150.	4.790	34.834	172.5	4.694					
1200.	4.749	34.877	183.7	4.649					
1250.	4.716	34.901	192.9	4.612					
1300.	4.674	34.931	202.8	4.565					
1350.	4.568	34.949	210.4	4.455					
1400.	4.489	34.958	217.2	4.373					
1450.	4.403	34.970	225.0	4.283					
1500.	4.321	34.975	230.5	4.197					
1550.	4.186	34.978	237.1	4.059					
1600.	4.102	34.981	241.3	3.971					
1650.	3.967	34.981	245.3	3.833					
1700.	3.881	34.980	248.3	3.744					
1750.	3.803	34.977	249.5	3.662					
1800.	3.739	34.976	250.7	3.595					
1850.	3.661	34.973	251.9	3.512					
1900.	3.593	34.971	252.8	3.441					
1950.	3.546	34.969	252.9	3.390					
2000.	3.458	34.964	252.6	3.299					
2050.	3.380	34.961	252.8	3.217					
2100.	3.348	34.959	252.9	3.181					
2150.	3.305	34.958	253.3	3.134					
2200.	3.252	34.955	253.5	3.077					
2250.	3.218	34.953	254.0	3.038					
2300.	3.154	34.952	254.0	2.971					
2350.	3.098	34.949	254.0	2.911					
2400.	3.055	34.947	253.8	2.864					
2450.	3.013	34.944	253.4	2.818					
2500.	2.991	34.942	253.5	2.791					
2550.	2.932	34.939	254.0	2.729					
2600.	2.905	34.937	254.2	2.697					
2650.	2.859	34.936	254.4	2.647					
2700.	2.841	34.934	254.6	2.624					
2750.	2.823	34.932	254.6	2.601					
2800.	2.808	34.931	254.4	2.582					



Station 157

Station : 158 Campagne : CITHER1
 Date : 23-02-93 Navire : L'ATALANTE
 Profondeur: 4270 m Organisme : IFREMER
 Position : N 7 26.95
 W 34 0.00

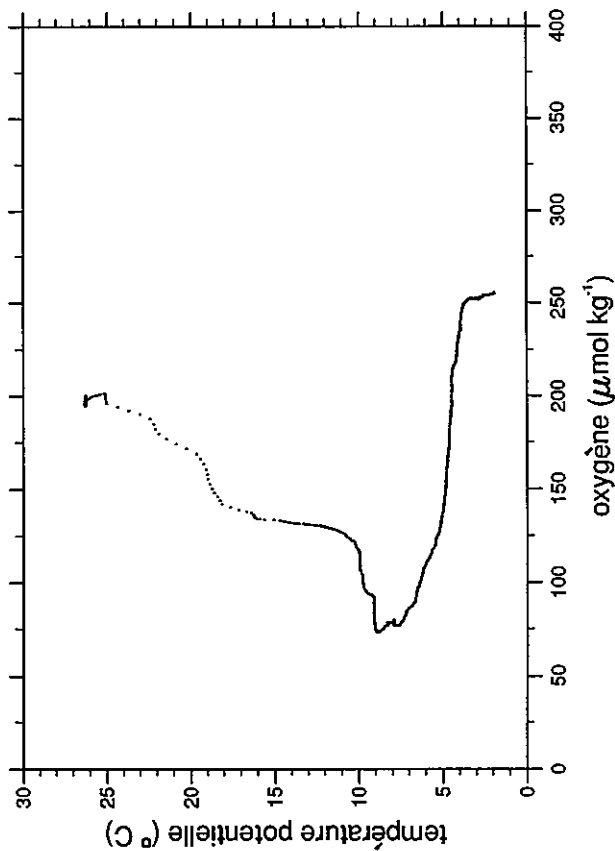
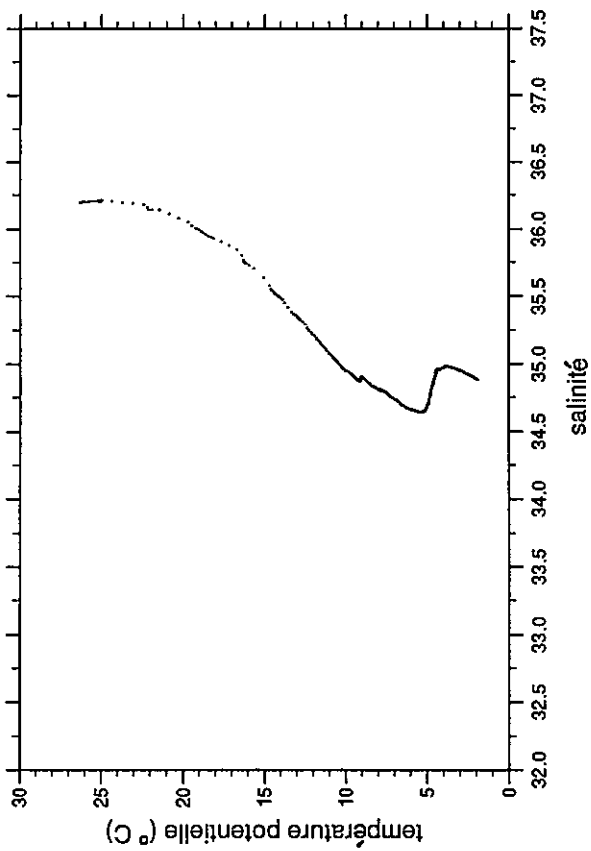
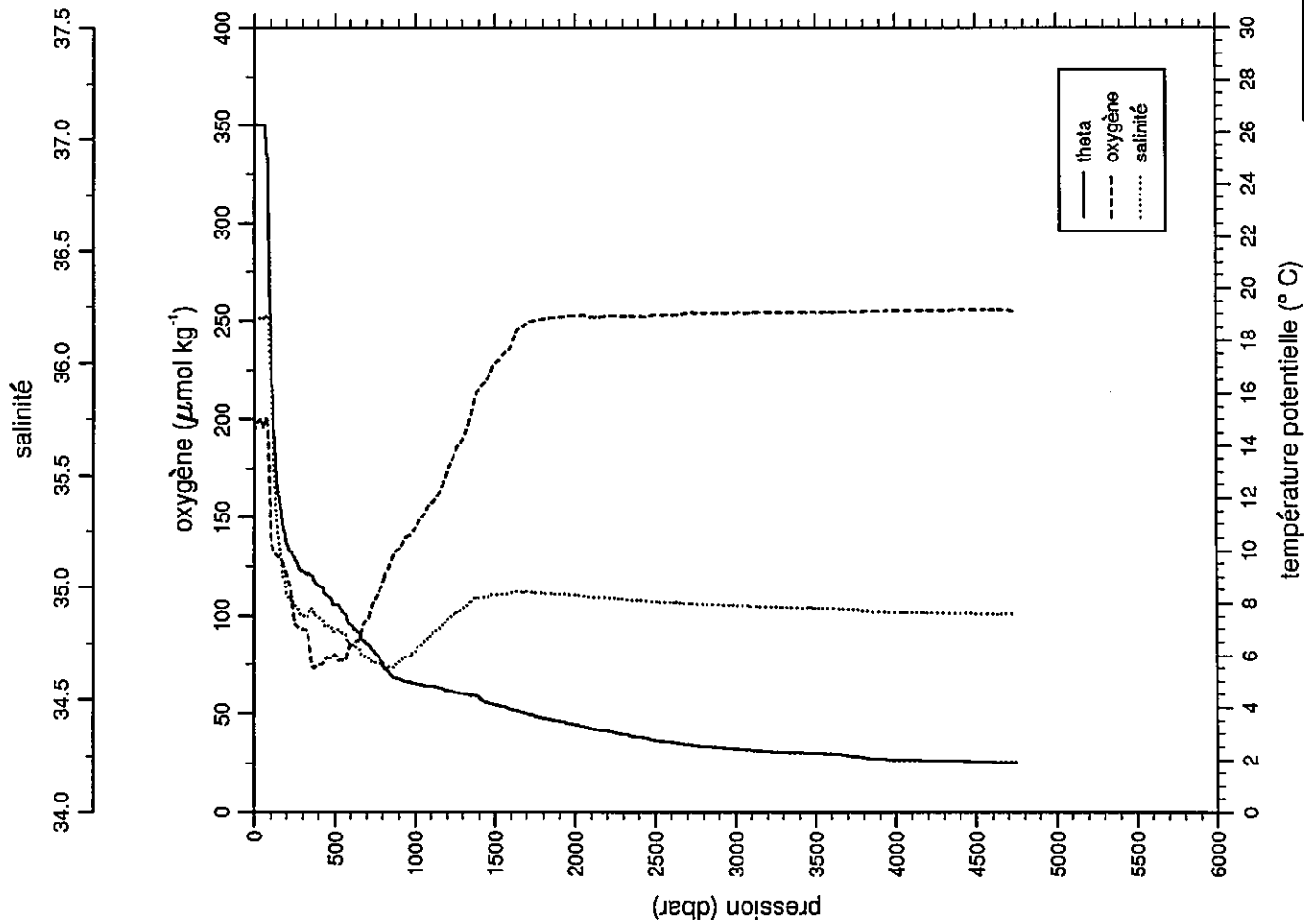
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.188	36.196	202.1	26.187	2850.	2.707	34.925	253.6	2.478
2.	26.188	36.196	201.2	26.187	2900.	2.674	34.923	254.2	2.441
3.	26.187	36.196	201.2	26.187	2950.	2.664	34.922	253.8	2.426
4.	26.187	36.196	201.5	26.186	3000.	2.640	34.919	253.8	2.397
5.	26.185	36.196	201.7	26.184	3050.	2.617	34.918	253.9	2.370
10.	26.189	36.195	203.4	26.187	3100.	2.603	34.916	254.1	2.351
20.	26.191	36.195	205.3	26.187	3150.	2.568	34.913	254.3	2.311
30.	26.194	36.196	205.3	26.187	3200.	2.542	34.911	254.3	2.280
40.	26.196	36.196	204.6	26.187	3250.	2.535	34.910	254.1	2.268
50.	26.198	36.196	202.3	26.186	3300.	2.528	34.910	254.3	2.256
100.	16.515	35.752	133.5	16.499	3350.	2.525	34.909	254.4	2.248
150.	12.358	35.271	127.6	12.338	3400.	2.511	34.909	254.5	2.229
200.	10.717	35.054	111.2	10.692	3450.	2.489	34.906	254.6	2.202
250.	10.079	34.975	103.5	10.050	3500.	2.459	34.904	254.8	2.167
300.	9.291	34.868	114.5	9.258	3550.	2.450	34.903	254.6	2.153
350.	8.656	34.799	124.6	8.619	3600.	2.453	34.903	254.6	2.151
400.	8.148	34.747	120.7	8.107	3650.	2.441	34.902	254.8	2.134
450.	7.899	34.738	110.8	7.854	3700.	2.428	34.900	255.0	2.115
500.	7.605	34.722	107.2	7.555	3750.	2.367	34.895	255.1	2.051
550.	7.273	34.701	108.8	7.220	3800.	2.342	34.892	255.1	2.021
600.	6.700	34.666	112.8	6.644	3850.	2.320	34.891	255.0	1.994
650.	6.417	34.687	102.7	6.357	3900.	2.325	34.890	254.8	1.993
700.	6.077	34.668	107.0	6.014	3950.	2.333	34.891	254.9	1.995
750.	5.689	34.638	115.2	5.624	4000.	2.316	34.889	255.1	1.973
800.	5.522	34.642	121.0	5.453	4050.	2.324	34.889	255.0	1.975
850.	5.234	34.647	130.0	5.162	4100.	2.334	34.890	255.1	1.978
900.	5.134	34.672	134.5	5.058	4150.	2.327	34.889	255.2	1.966
950.	5.006	34.707	142.4	4.927	4200.	2.288	34.886	255.3	1.922
1000.	4.941	34.735	147.9	4.858	4250.	2.260	34.882	254.0	1.890
1050.	4.872	34.774	155.6	4.785	4281.	2.250	34.881	253.4	1.876
1100.	4.827	34.817	162.6	4.735					
1150.	4.796	34.846	169.9	4.700					
1200.	4.737	34.876	178.7	4.637					
1250.	4.672	34.900	187.2	4.568					
1300.	4.618	34.925	196.1	4.510					
1350.	4.492	34.931	204.0	4.380					
1400.	4.379	34.949	212.6	4.264					
1450.	4.326	34.954	217.0	4.207					
1500.	4.236	34.967	225.6	4.113					
1550.	4.166	34.974	234.4	4.039					
1600.	4.103	34.982	240.2	3.972					
1650.	4.013	34.982	245.1	3.879					
1700.	3.945	34.975	242.2	3.807					
1750.	3.864	34.979	247.1	3.722					
1800.	3.788	34.976	249.1	3.642					
1850.	3.690	34.973	249.9	3.541					
1900.	3.636	34.971	251.0	3.483					
1950.	3.573	34.970	251.6	3.416					
2000.	3.477	34.963	251.3	3.317					
2050.	3.358	34.957	250.6	3.196					
2100.	3.314	34.955	250.4	3.147					
2150.	3.282	34.954	250.2	3.111					
2200.	3.218	34.953	250.5	3.043					
2250.	3.140	34.948	251.3	2.962					
2300.	3.120	34.948	250.9	2.938					
2350.	3.082	34.945	250.7	2.895					
2400.	3.051	34.945	251.8	2.860					
2450.	3.003	34.942	252.1	2.808					
2500.	2.930	34.939	252.5	2.731					
2550.	2.889	34.937	252.6	2.687					
2600.	2.858	34.935	253.1	2.651					
2650.	2.803	34.932	253.3	2.592					
2700.	2.773	34.930	253.4	2.558					
2750.	2.747	34.928	253.6	2.527					
2800.	2.718	34.926	253.9	2.494					



Station 158

Station : 159 Campagne : CITHERR1
 Date : 23-02-93 Navire : L'ATALANTE
 Profondeur: 4591 m Organisme : IFREMER
 Position : N 7 26.97
 W 33 30.05

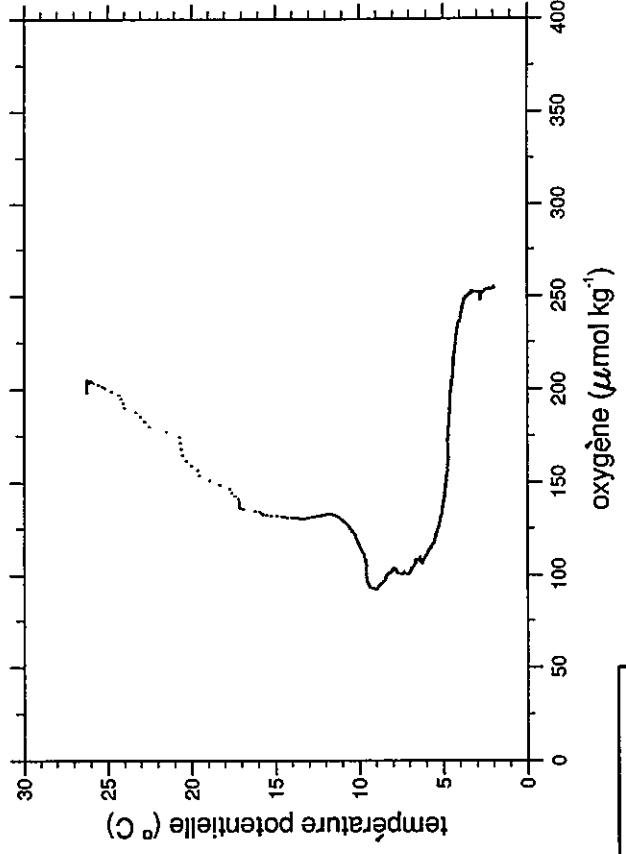
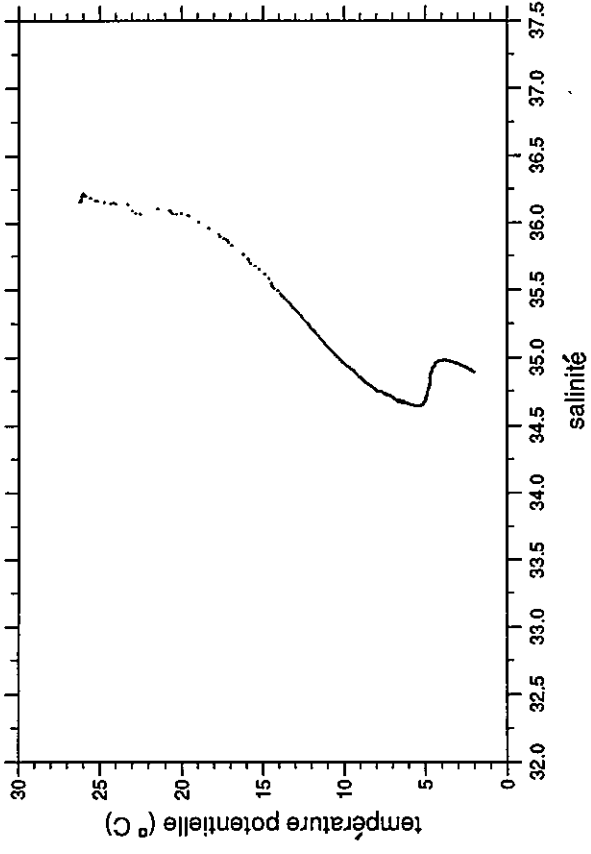
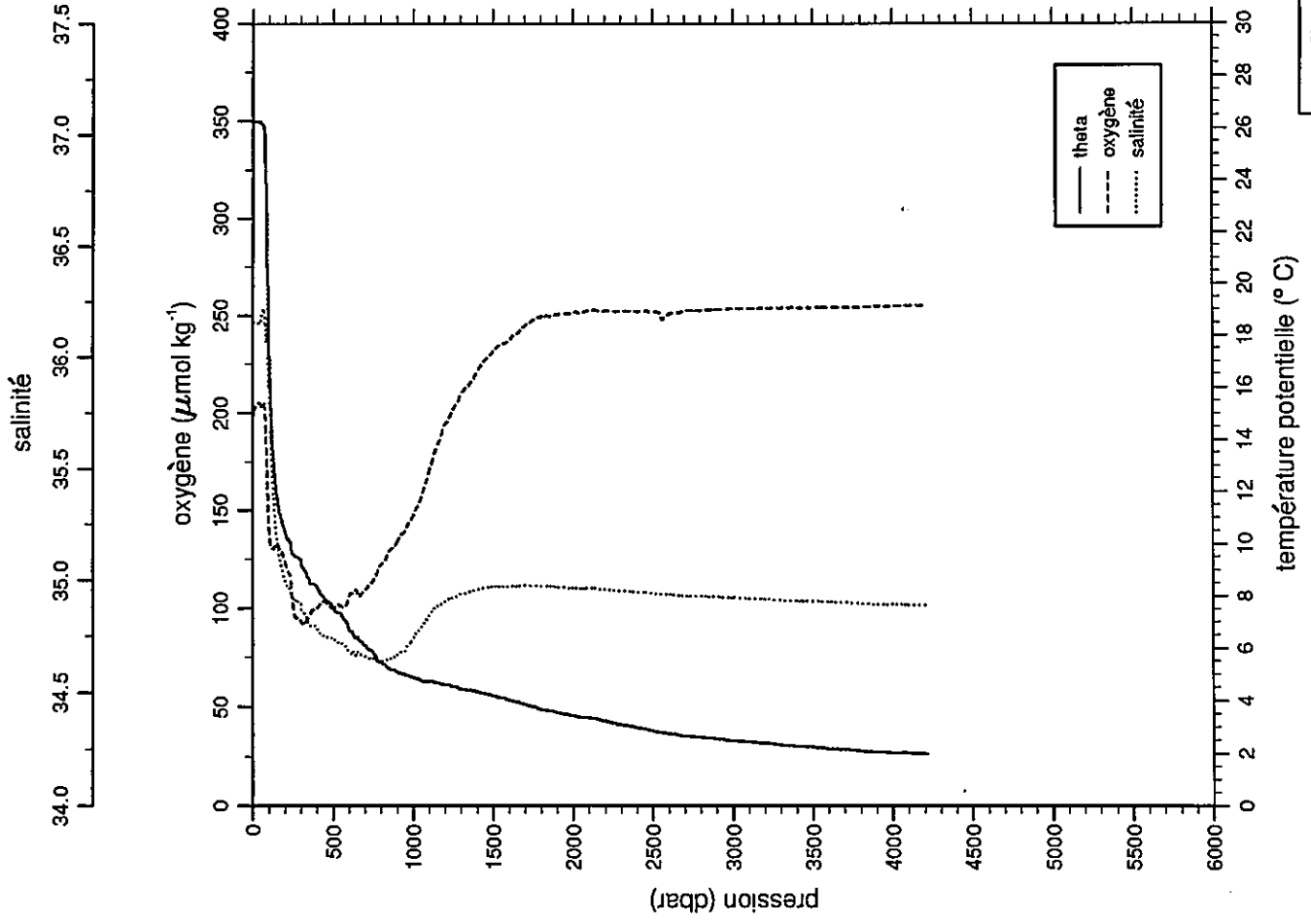
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.304	36.198	196.6	26.304	2850.	2.724	34.925	253.8	2.495
2.	26.304	36.198	195.8	26.303	2900.	2.709	34.924	253.9	2.475
3.	26.300	36.198	195.2	26.300	2950.	2.673	34.922	253.9	2.435
4.	26.301	36.198	194.8	26.300	3000.	2.667	34.920	253.9	2.423
5.	26.302	36.198	196.0	26.301	3050.	2.646	34.919	253.8	2.397
10.	26.305	36.198	197.5	26.303	3100.	2.629	34.917	254.0	2.376
20.	26.288	36.197	198.7	26.283	3150.	2.608	34.916	254.1	2.351
30.	26.272	36.197	199.7	26.265	3200.	2.587	34.914	254.1	2.324
40.	26.270	36.196	200.1	26.261	3250.	2.576	34.912	254.1	2.309
50.	26.270	36.197	196.3	26.259	3300.	2.571	34.912	254.1	2.298
100.	18.445	35.947	145.9	18.428	3350.	2.558	34.911	254.2	2.280
150.	12.119	35.229	130.0	12.099	3400.	2.554	34.910	254.1	2.271
200.	10.271	34.978	121.5	10.248	3450.	2.554	34.909	254.1	2.266
250.	9.694	34.926	96.8	9.666	3500.	2.550	34.910	254.2	2.256
300.	9.242	34.878	93.0	9.209	3550.	2.546	34.909	254.2	2.247
350.	9.118	34.902	81.0	9.079	3600.	2.539	34.909	254.1	2.235
400.	8.698	34.868	74.7	8.655	3650.	2.509	34.906	254.3	2.200
450.	8.335	34.833	78.5	8.287	3700.	2.477	34.904	254.5	2.163
500.	7.957	34.803	80.1	7.906	3750.	2.448	34.901	254.5	2.130
550.	7.671	34.795	77.2	7.616	3800.	2.409	34.897	254.6	2.086
600.	7.214	34.751	85.0	7.156	3850.	2.372	34.895	254.7	2.045
650.	6.907	34.727	87.1	6.845	3900.	2.369	34.894	254.8	2.035
700.	6.493	34.689	98.0	6.428	3950.	2.344	34.892	254.9	2.006
750.	6.146	34.665	108.3	6.078	4000.	2.337	34.891	254.9	1.994
800.	5.740	34.648	116.7	5.669	4050.	2.332	34.890	255.0	1.982
850.	5.324	34.646	126.8	5.252	4100.	2.336	34.890	255.0	1.981
900.	5.156	34.665	134.2	5.080	4150.	2.337	34.890	255.0	1.976
950.	5.051	34.692	140.6	4.972	4200.	2.338	34.889	255.0	1.972
1000.	4.981	34.714	144.5	4.898	4250.	2.339	34.889	255.2	1.966
1050.	4.923	34.749	150.5	4.835	4300.	2.343	34.889	255.2	1.965
1100.	4.886	34.783	156.9	4.794	4350.	2.348	34.889	255.4	1.963
1150.	4.833	34.815	162.3	4.737	4400.	2.348	34.888	255.6	1.958
1200.	4.728	34.860	173.8	4.628	4450.	2.346	34.887	255.5	1.950
1250.	4.685	34.889	183.3	4.581	4500.	2.347	34.886	255.4	1.944
1300.	4.618	34.905	190.5	4.510	4550.	2.351	34.886	255.5	1.942
1350.	4.552	34.932	203.0	4.439	4600.	2.347	34.885	255.6	1.932
1400.	4.474	34.955	215.7	4.358	4650.	2.345	34.884	255.5	1.924
1450.	4.297	34.959	220.3	4.178	4700.	2.352	34.884	255.5	1.925
1500.	4.220	34.968	228.6	4.097	4750.	2.354	34.884	254.8	1.921
1550.	4.148	34.973	232.7	4.022					
1600.	4.044	34.975	237.5	3.914					
1650.	3.963	34.981	246.5	3.829					
1700.	3.884	34.981	248.8	3.747					
1750.	3.806	34.978	250.1	3.666					
1800.	3.723	34.975	250.7	3.579					
1850.	3.662	34.972	251.4	3.513					
1900.	3.624	34.971	251.8	3.471					
1950.	3.559	34.969	252.1	3.403					
2000.	3.506	34.966	252.4	3.345					
2050.	3.441	34.963	252.8	3.277					
2100.	3.362	34.958	251.8	3.194					
2150.	3.311	34.957	251.7	3.139					
2200.	3.280	34.955	252.1	3.105					
2250.	3.209	34.952	252.5	3.030					
2300.	3.154	34.950	252.3	2.971					
2350.	3.079	34.946	252.1	2.892					
2400.	3.049	34.945	252.1	2.858					
2450.	3.012	34.943	251.9	2.817					
2500.	2.929	34.938	252.9	2.730					
2550.	2.904	34.937	252.7	2.701					
2600.	2.882	34.935	252.8	2.674					
2650.	2.848	34.934	252.9	2.636					
2700.	2.809	34.932	253.8	2.593					
2750.	2.769	34.928	253.9	2.549					
2800.	2.744	34.927	253.7	2.519					



Station 159

Station	: 160	Campagne	: CITHER1
Date	: 23-02-93	Navire	: L'ATALANTE
Profondeur	: 4311 m	Organisme	: IFREMER
Position	: N 7 26.98		
	W 32 59.98		

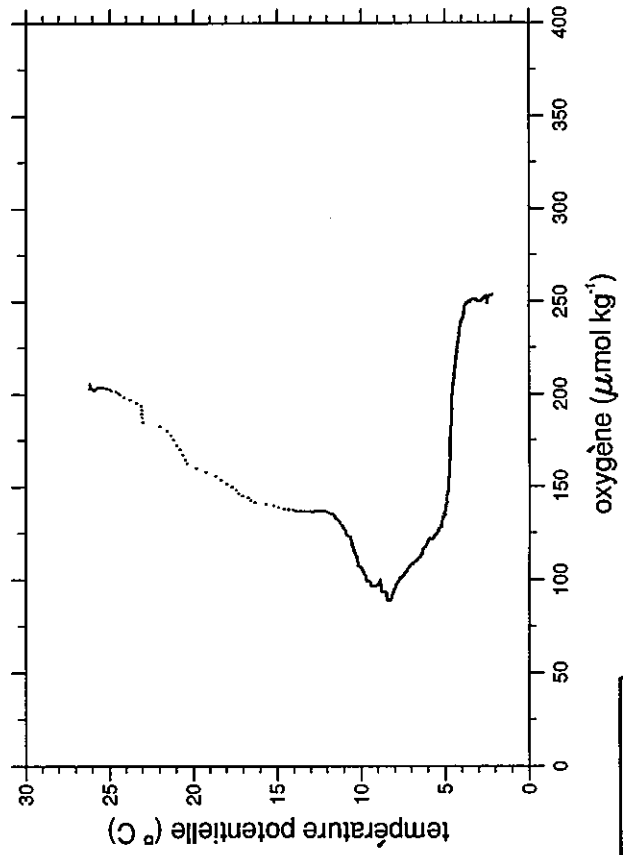
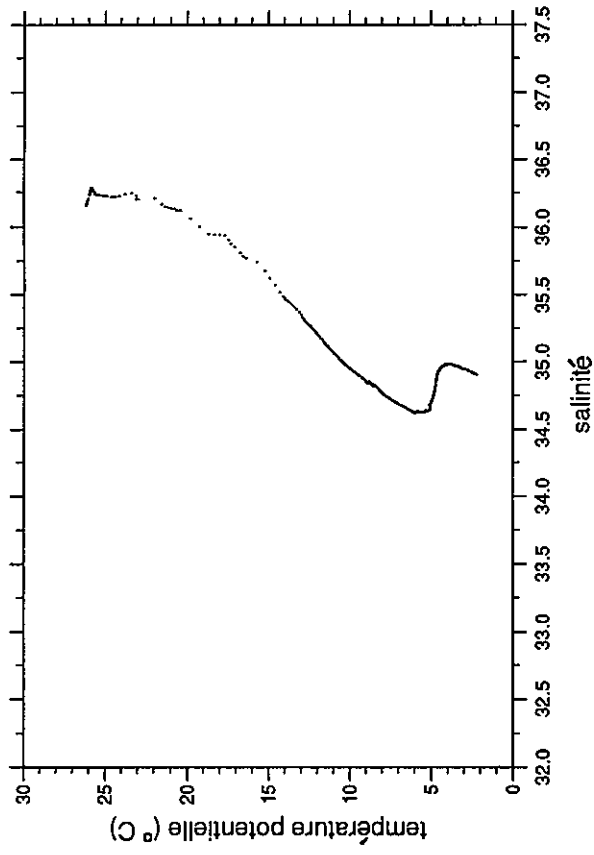
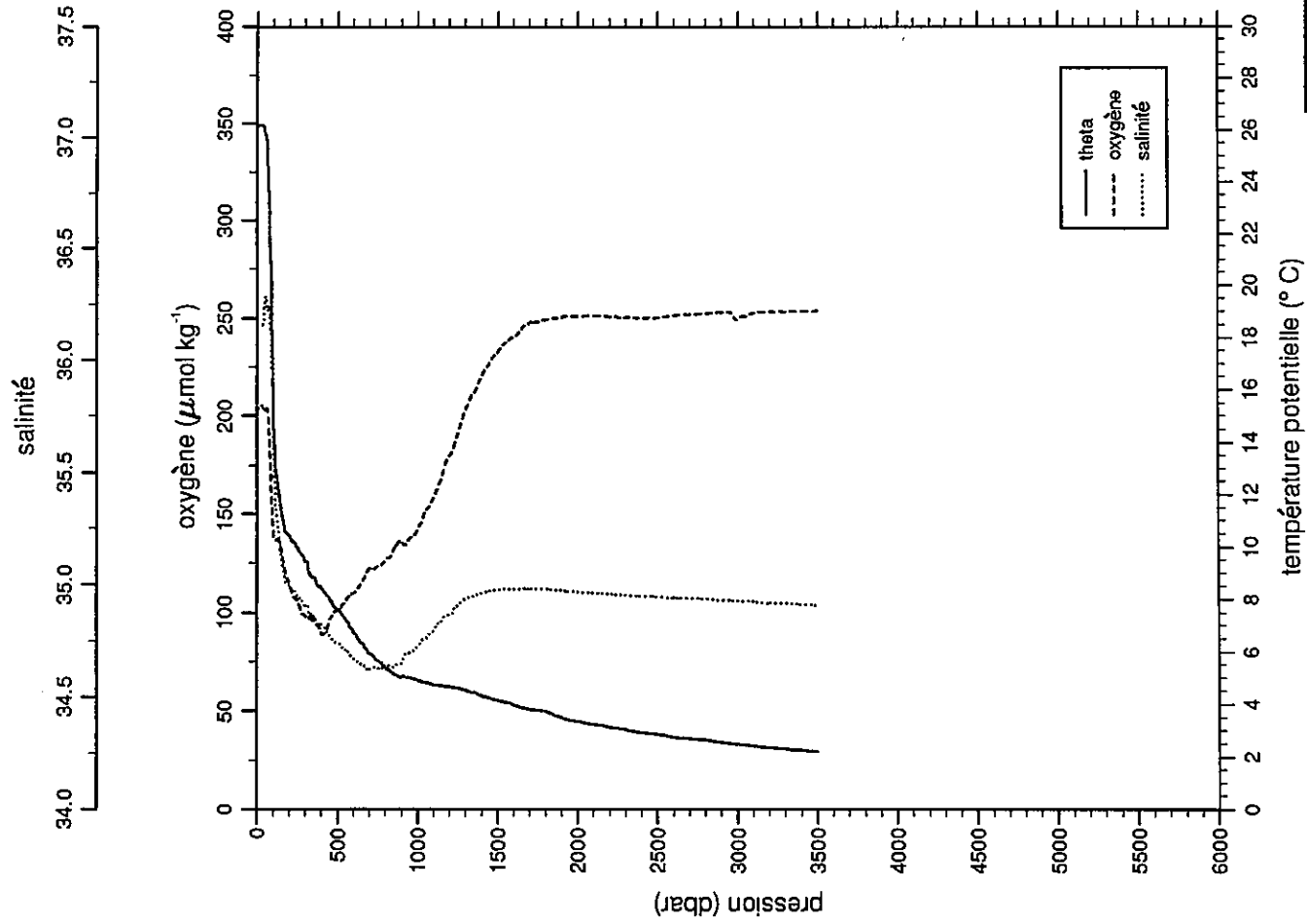
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.244	36.156	201.5	26.244	2850.	2.808	34.929	252.8	2.577
2.	26.244	36.156	199.0	26.244	2900.	2.776	34.928	253.1	2.541
3.	26.239	36.156	198.3	26.238	2950.	2.740	34.925	253.1	2.500
4.	26.240	36.156	199.5	26.239	3000.	2.719	34.924	253.2	2.474
5.	26.244	36.156	200.4	26.243	3050.	2.692	34.922	253.4	2.443
10.	26.247	36.155	202.5	26.245	3100.	2.679	34.921	253.4	2.425
20.	26.242	36.155	204.8	26.238	3150.	2.656	34.919	253.5	2.398
30.	26.237	36.154	204.9	26.230	3200.	2.640	34.917	253.6	2.376
40.	26.242	36.154	205.1	26.233	3250.	2.615	34.916	253.7	2.347
50.	26.200	36.160	203.8	26.189	3300.	2.580	34.913	253.9	2.307
100.	17.191	35.866	139.9	17.175	3350.	2.555	34.911	253.8	2.277
150.	11.777	35.183	132.9	11.758	3400.	2.544	34.910	253.9	2.261
200.	10.446	35.005	123.6	10.422	3450.	2.530	34.909	253.8	2.242
250.	9.607	34.915	102.2	9.579	3500.	2.515	34.908	253.9	2.222
300.	9.369	34.893	93.0	9.336	3550.	2.502	34.906	254.1	2.204
350.	8.654	34.812	95.9	8.617	3600.	2.472	34.903	254.1	2.169
400.	8.348	34.786	100.2	8.306	3650.	2.454	34.903	254.1	2.147
450.	7.919	34.748	103.4	7.874	3700.	2.447	34.902	254.1	2.134
500.	7.548	34.734	100.7	7.498	3750.	2.426	34.900	254.0	2.108
550.	7.324	34.722	101.0	7.270	3800.	2.417	34.899	254.1	2.093
600.	6.704	34.673	106.3	6.647	3850.	2.395	34.897	254.5	2.067
650.	6.464	34.679	108.3	6.404	3900.	2.376	34.895	254.5	2.043
700.	6.127	34.660	109.6	6.064	3950.	2.367	34.894	254.5	2.028
750.	5.856	34.650	114.2	5.790	4000.	2.363	34.892	254.6	2.018
800.	5.492	34.640	122.2	5.423	4050.	2.367	34.893	254.8	2.016
850.	5.274	34.651	129.1	5.202	4100.	2.362	34.892	255.1	2.006
900.	5.164	34.667	133.9	5.088	4150.	2.359	34.891	255.0	1.998
950.	5.062	34.693	139.6	4.983	4200.	2.345	34.890	254.8	1.978
1000.	4.956	34.736	147.3	4.873	4216.	2.344	34.890	254.4	1.975
1050.	4.830	34.789	156.5	4.743					
1100.	4.806	34.846	170.1	4.715					
1150.	4.756	34.883	183.1	4.660					
1200.	4.691	34.905	194.2	4.591					
1250.	4.625	34.925	202.1	4.521					
1300.	4.536	34.939	209.9	4.428					
1350.	4.504	34.948	214.4	4.392					
1400.	4.437	34.961	221.0	4.321					
1450.	4.364	34.969	227.1	4.244					
1500.	4.309	34.974	231.6	4.185					
1550.	4.236	34.975	235.0	4.109					
1600.	4.165	34.974	236.8	4.033					
1650.	4.089	34.978	240.5	3.954					
1700.	3.996	34.980	244.9	3.858					
1750.	3.895	34.979	247.9	3.753					
1800.	3.805	34.976	249.2	3.660					
1850.	3.768	34.974	249.8	3.618					
1900.	3.683	34.972	250.5	3.530					
1950.	3.630	34.970	250.8	3.472					
2000.	3.584	34.969	251.3	3.422					
2050.	3.517	34.965	251.3	3.352					
2100.	3.513	34.967	252.4	3.343					
2150.	3.460	34.964	252.6	3.286					
2200.	3.395	34.961	252.3	3.218					
2250.	3.319	34.956	252.2	3.138					
2300.	3.256	34.953	252.0	3.071					
2350.	3.229	34.952	252.2	3.040					
2400.	3.158	34.947	252.0	2.965					
2450.	3.118	34.948	252.3	2.921					
2500.	3.048	34.943	251.7	2.847					
2550.	2.997	34.940	249.2	2.792					
2600.	2.955	34.937	250.6	2.746					
2650.	2.916	34.935	251.3	2.703					
2700.	2.856	34.933	252.2	2.639					
2750.	2.844	34.932	252.7	2.622					
2800.	2.834	34.931	252.6	2.607					



Station 160

Station	: 161	Campagne	: CITHER1
Date	: 24-02-93	Navire	: L'ATALANTE
Profondeur:	3578 m	Organisme	: IFRIMER
Position	: N 7 26.91		
	W 32 39.98		

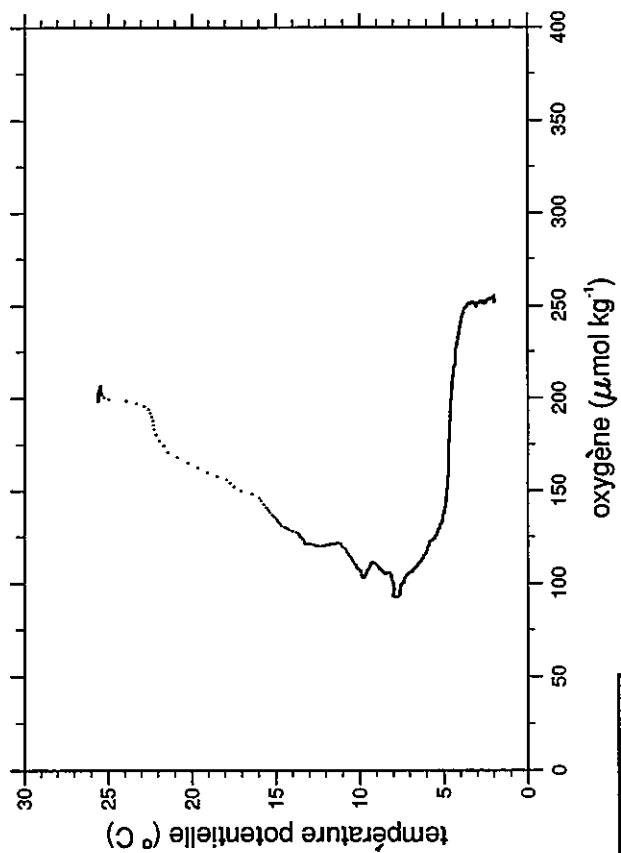
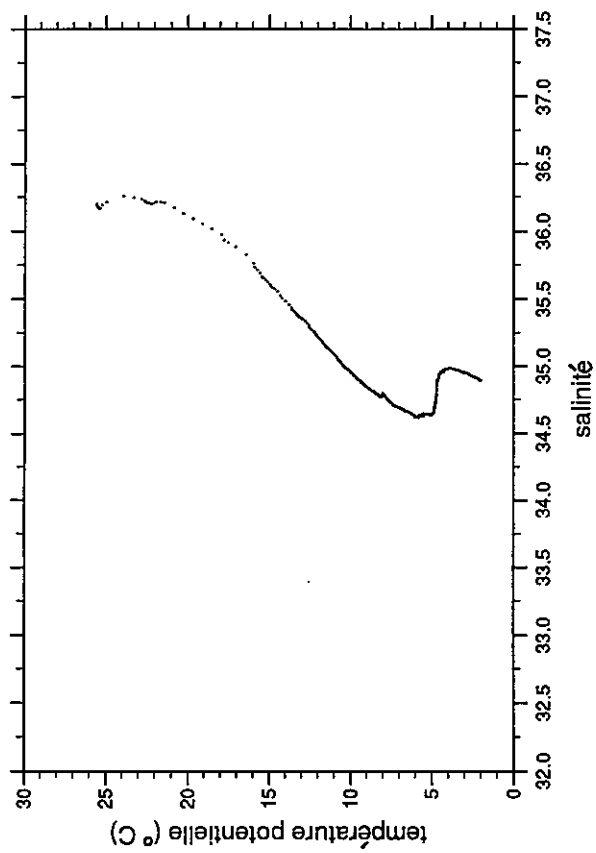
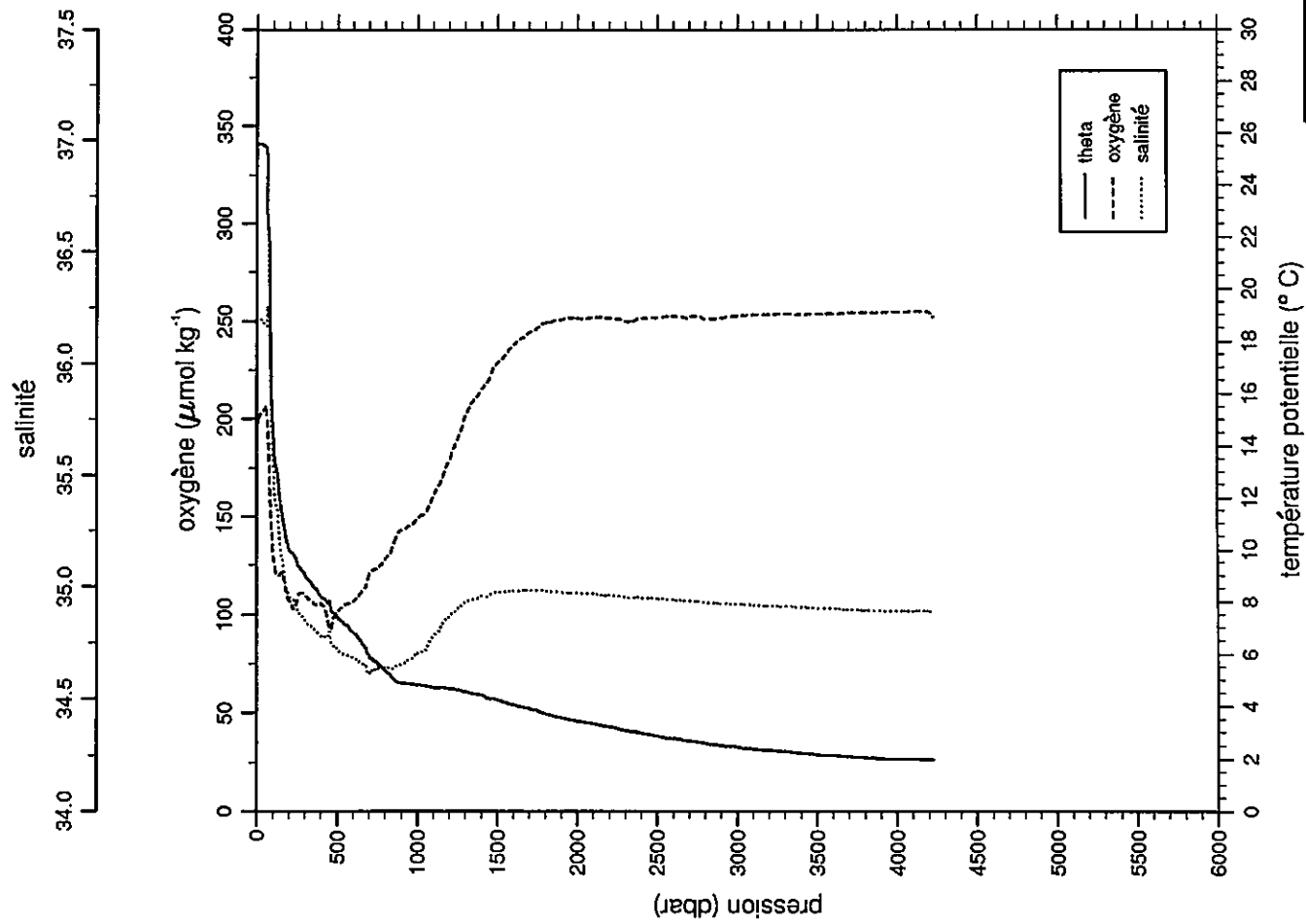
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.185	36.155	204.1	26.185	2850.	2.813	34.930	252.9	2.581
2.	26.185	36.155	204.1	26.185	2900.	2.776	34.928	252.8	2.540
3.	26.185	36.155	203.0	26.184	2950.	2.750	34.926	253.0	2.510
4.	26.181	36.156	203.7	26.180	3000.	2.718	34.924	249.8	2.474
5.	26.184	36.156	204.3	26.183	3050.	2.700	34.922	251.0	2.450
10.	26.186	36.155	204.5	26.184	3100.	2.674	34.921	252.4	2.420
20.	26.188	36.155	205.2	26.183	3150.	2.619	34.916	253.1	2.361
30.	26.191	36.156	205.1	26.184	3200.	2.608	34.915	253.2	2.345
40.	26.159	36.171	203.6	26.150	3250.	2.580	34.914	253.2	2.313
50.	25.905	36.274	202.2	25.894	3300.	2.583	34.913	253.2	2.310
100.	15.689	35.740	140.6	15.673	3350.	2.535	34.909	253.5	2.258
150.	11.394	35.119	131.9	11.375	3400.	2.525	34.909	253.4	2.243
200.	10.437	34.996	115.0	10.414	3450.	2.504	34.907	253.5	2.217
250.	9.992	34.950	105.7	9.963	3499.	2.464	34.904	253.7	2.173
300.	9.461	34.901	98.5	9.427					
350.	8.877	34.848	98.1	8.839					
400.	8.459	34.819	89.0	8.417					
450.	8.056	34.773	95.3	8.010					
500.	7.679	34.738	101.0	7.629					
550.	7.294	34.707	105.5	7.240					
600.	6.764	34.670	109.9	6.708					
650.	6.400	34.643	115.3	6.341					
700.	5.981	34.621	122.1	5.918					
750.	5.727	34.626	123.1	5.661					
800.	5.470	34.623	126.5	5.401					
850.	5.223	34.636	132.0	5.151					
900.	5.109	34.655	136.1	5.034					
950.	5.073	34.697	137.3	4.993					
1000.	4.980	34.732	142.1	4.897					
1050.	4.902	34.762	151.5	4.814					
1100.	4.829	34.798	158.3	4.737					
1150.	4.807	34.839	168.4	4.711					
1200.	4.766	34.869	179.7	4.665					
1250.	4.712	34.907	190.5	4.608					
1300.	4.651	34.934	203.2	4.542					
1350.	4.566	34.946	211.3	4.454					
1400.	4.446	34.961	220.1	4.330					
1450.	4.343	34.970	227.0	4.223					
1500.	4.273	34.975	232.4	4.149					
1550.	4.204	34.980	237.3	4.077					
1600.	4.114	34.979	240.4	3.983					
1650.	3.996	34.981	244.6	3.862					
1700.	3.929	34.980	247.5	3.792					
1750.	3.902	34.980	248.1	3.759					
1800.	3.876	34.980	249.1	3.730					
1850.	3.751	34.975	250.0	3.601					
1900.	3.655	34.972	250.1	3.502					
1950.	3.560	34.968	251.0	3.403					
2000.	3.510	34.965	250.9	3.349					
2050.	3.444	34.962	251.2	3.280					
2100.	3.393	34.960	251.3	3.225					
2150.	3.367	34.957	251.2	3.195					
2200.	3.302	34.955	250.6	3.126					
2250.	3.281	34.953	250.3	3.100					
2300.	3.230	34.951	250.3	3.046					
2350.	3.157	34.949	250.1	2.969					
2400.	3.106	34.946	249.9	2.914					
2450.	3.076	34.944	250.0	2.880					
2500.	3.053	34.943	250.1	2.852					
2550.	3.025	34.942	250.6	2.820					
2600.	2.946	34.938	251.2	2.737					
2650.	2.925	34.937	251.7	2.712					
2700.	2.898	34.935	251.7	2.681					
2750.	2.887	34.935	251.9	2.665					
2800.	2.860	34.933	252.2	2.632					



Station 161

Station	: 162	Campagne	: CITHER1
Date	: 24-02-93	Navire	: L'ATALANTE
Profondeur	: 4214 m	Organisme	: IFREMER
Position	: N 7 26.98		
	W 32 20.02		

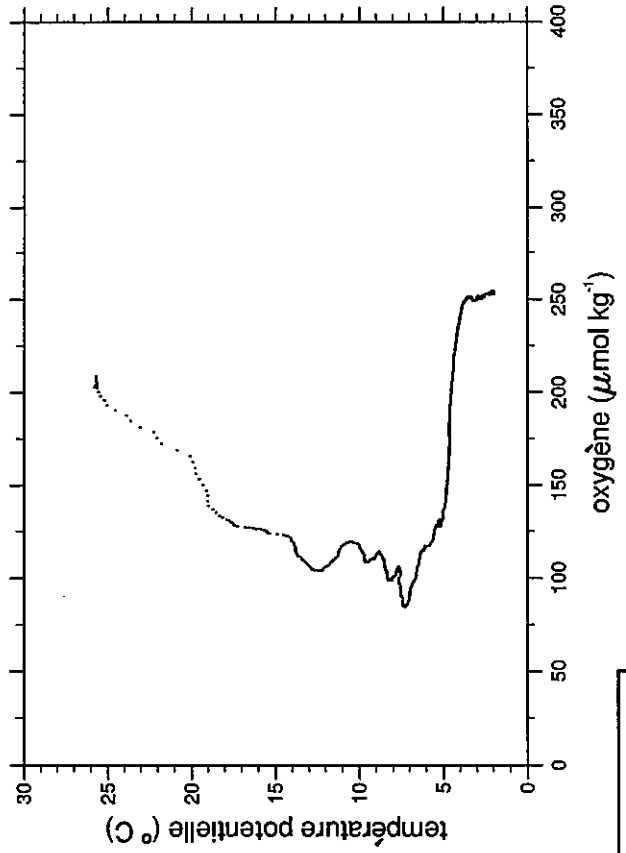
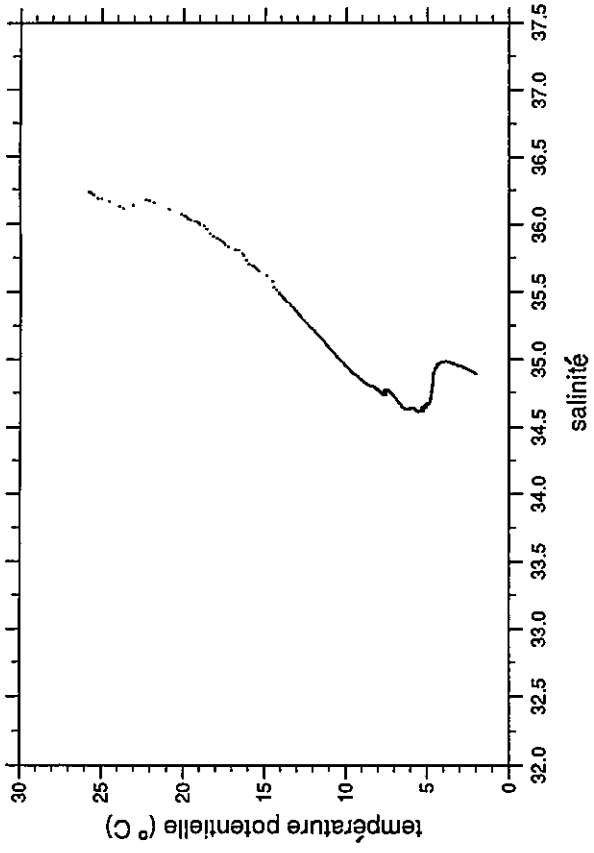
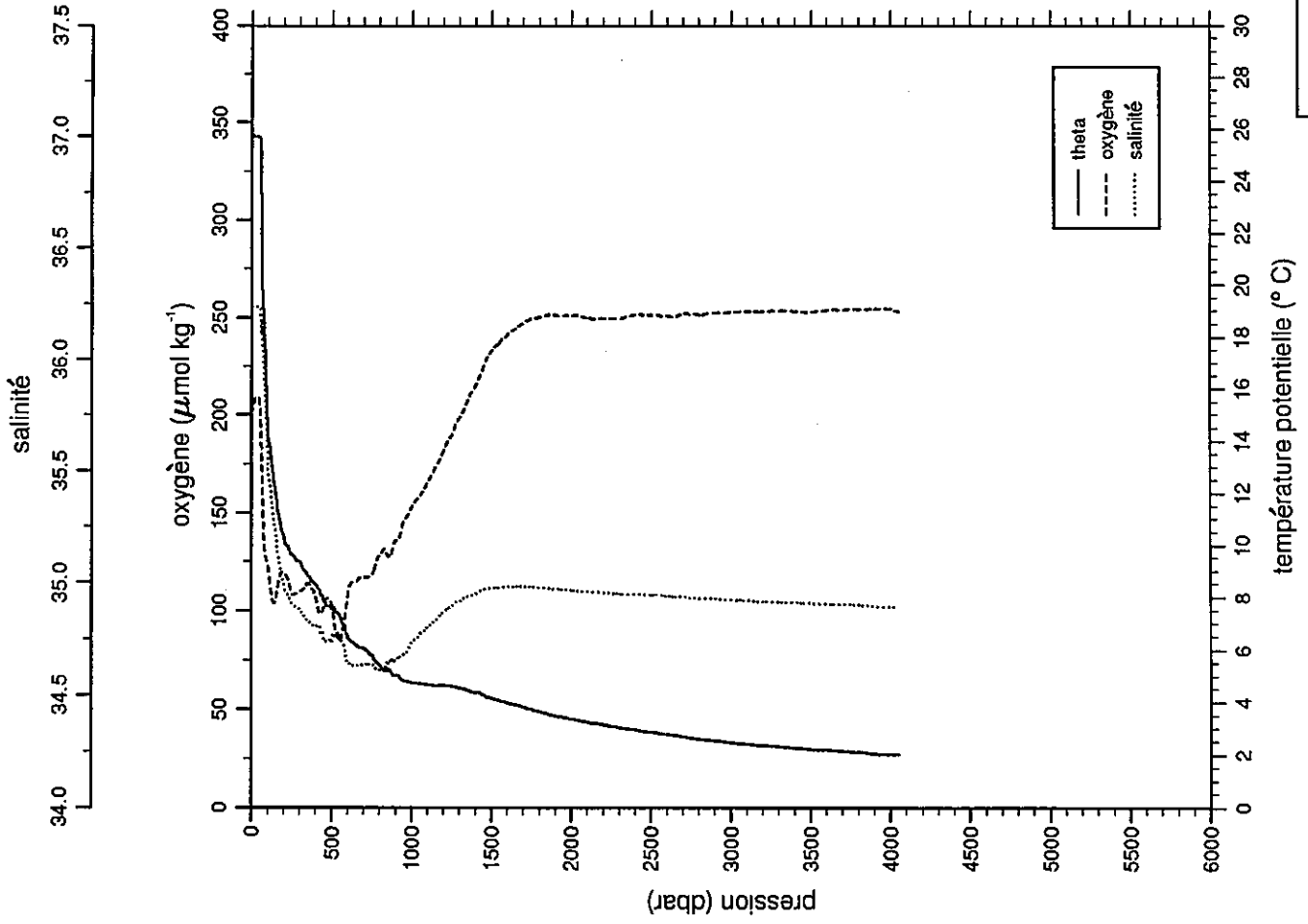
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.579	36.198	198.5	25.578	2850.	2.777	34.927	251.3	2.546
2.	25.579	36.198	198.9	25.578	2900.	2.743	34.925	251.4	2.508
3.	25.569	36.197	199.5	25.568	2950.	2.716	34.924	252.1	2.476
4.	25.571	36.197	199.9	25.570	3000.	2.694	34.922	252.7	2.450
5.	25.574	36.198	198.7	25.573	3050.	2.659	34.920	253.0	2.410
10.	25.584	36.199	199.6	25.582	3100.	2.620	34.917	253.4	2.367
20.	25.572	36.194	201.9	25.567	3150.	2.601	34.916	253.5	2.344
30.	25.565	36.191	204.2	25.558	3200.	2.587	34.915	253.5	2.325
40.	25.533	36.182	204.6	25.524	3250.	2.563	34.912	253.6	2.295
50.	25.502	36.173	204.7	25.491	3300.	2.547	34.911	253.7	2.275
100.	14.758	35.580	131.8	14.743	3350.	2.515	34.909	253.8	2.238
150.	11.650	35.168	120.9	11.631	3400.	2.498	34.908	253.5	2.217
200.	10.007	34.956	107.1	9.984	3450.	2.478	34.907	253.6	2.191
250.	9.550	34.899	107.2	9.521	3500.	2.455	34.905	253.6	2.164
300.	9.048	34.848	110.3	9.015	3550.	2.440	34.902	254.0	2.144
350.	8.625	34.813	106.2	8.588	3600.	2.440	34.903	253.9	2.138
400.	8.211	34.776	105.5	8.169	3650.	2.416	34.900	254.1	2.110
450.	8.055	34.795	93.8	8.009	3700.	2.392	34.898	254.3	2.080
500.	7.435	34.716	100.3	7.386	3750.	2.373	34.896	254.5	2.057
550.	7.171	34.692	105.2	7.118	3800.	2.372	34.896	254.4	2.050
600.	6.879	34.680	106.9	6.822	3850.	2.363	34.894	254.5	2.036
650.	6.518	34.660	111.1	6.458	3900.	2.343	34.892	254.4	2.011
700.	5.913	34.614	120.8	5.851	3950.	2.328	34.891	254.6	1.990
750.	5.733	34.637	123.3	5.668	4000.	2.328	34.890	254.8	1.985
800.	5.405	34.638	128.3	5.336	4050.	2.327	34.890	254.8	1.978
850.	5.127	34.639	135.4	5.056	4100.	2.334	34.889	254.9	1.979
900.	4.961	34.657	143.1	4.887	4150.	2.337	34.890	255.0	1.976
950.	4.934	34.676	145.3	4.855	4200.	2.339	34.890	254.6	1.972
1000.	4.893	34.699	149.0	4.810	4227.	2.343	34.890	252.3	1.972
1050.	4.872	34.715	151.7	4.784					
1100.	4.802	34.775	160.7	4.711					
1150.	4.810	34.824	168.2	4.714					
1200.	4.776	34.864	178.9	4.675					
1250.	4.733	34.897	189.4	4.629					
1300.	4.664	34.929	201.3	4.555					
1350.	4.592	34.944	209.3	4.479					
1400.	4.546	34.955	215.3	4.429					
1450.	4.407	34.961	220.6	4.287					
1500.	4.353	34.972	228.5	4.229					
1550.	4.270	34.975	232.7	4.142					
1600.	4.180	34.979	237.6	4.048					
1650.	4.112	34.980	241.2	3.976					
1700.	4.043	34.982	244.0	3.904					
1750.	3.978	34.982	246.3	3.835					
1800.	3.863	34.979	249.1	3.717					
1850.	3.765	34.976	250.0	3.615					
1900.	3.698	34.974	250.7	3.544					
1950.	3.639	34.971	251.6	3.482					
2000.	3.590	34.969	251.5	3.429					
2050.	3.549	34.967	251.0	3.384					
2100.	3.507	34.966	251.9	3.337					
2150.	3.442	34.963	252.0	3.268					
2200.	3.393	34.960	251.6	3.215					
2250.	3.328	34.957	251.2	3.147					
2300.	3.262	34.952	249.9	3.077					
2350.	3.228	34.951	250.0	3.039					
2400.	3.175	34.949	251.5	2.981					
2450.	3.124	34.947	251.7	2.927					
2500.	3.064	34.945	251.7	2.863					
2550.	3.008	34.943	252.4	2.803					
2600.	2.988	34.941	252.7	2.778					
2650.	2.964	34.940	252.4	2.750					
2700.	2.896	34.936	252.2	2.679					
2750.	2.870	34.935	252.7	2.647					
2800.	2.824	34.931	251.2	2.597					



Station 162

Station : 163	Campagne : CITHER1
Date : 24-02-93	Navire : L'ATALANTE
Profondeur: 4063 m	Organisme : IFRIMER
Position : N 7 26.91	
	W 31 59.98

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.734	36.234	204.1	25.734	2850.	2.784	34.928	252.1	2.553
2.	25.734	36.234	204.1	25.733	2900.	2.769	34.927	252.3	2.533
3.	25.734	36.234	203.1	25.733	2950.	2.728	34.924	252.3	2.489
4.	25.766	36.235	202.6	25.765	3000.	2.705	34.922	252.7	2.461
5.	25.761	36.234	202.5	25.760	3050.	2.675	34.921	252.9	2.426
10.	25.722	36.234	205.2	25.720	3100.	2.653	34.919	253.0	2.399
20.	25.706	36.233	208.1	25.701	3150.	2.628	34.916	253.0	2.370
30.	25.702	36.234	209.0	25.695	3200.	2.622	34.916	253.1	2.359
40.	25.701	36.234	209.0	25.693	3250.	2.603	34.914	253.3	2.334
50.	25.673	36.232	205.9	25.662	3300.	2.591	34.913	253.3	2.317
100.	14.527	35.573	123.2	14.512	3350.	2.554	34.911	253.5	2.277
150.	12.080	35.224	105.6	12.060	3400.	2.543	34.910	253.1	2.260
200.	10.360	34.993	119.1	10.336	3450.	2.524	34.909	252.8	2.237
250.	9.670	34.907	108.6	9.641	3500.	2.504	34.907	252.5	2.212
300.	9.384	34.882	109.7	9.350	3550.	2.483	34.905	253.3	2.185
350.	8.884	34.828	113.7	8.846	3600.	2.480	34.904	253.6	2.177
400.	8.528	34.807	106.5	8.485	3650.	2.467	34.903	254.0	2.159
450.	7.921	34.755	101.2	7.875	3700.	2.453	34.902	253.9	2.140
500.	7.599	34.733	102.9	7.549	3750.	2.445	34.900	254.0	2.127
550.	7.339	34.761	84.3	7.285	3800.	2.431	34.899	254.2	2.108
600.	6.551	34.650	107.0	6.495	3850.	2.407	34.897	254.2	2.078
650.	6.248	34.631	114.4	6.189	3900.	2.366	34.893	254.2	2.033
700.	6.125	34.636	117.0	6.062	3950.	2.351	34.892	254.3	2.012
750.	5.873	34.637	117.8	5.807	4000.	2.347	34.891	254.4	2.003
800.	5.494	34.613	127.7	5.425	4050.	2.354	34.891	253.0	2.004
850.	5.269	34.627	127.8	5.197	4053.	2.355	34.891	252.8	2.004
900.	5.111	34.657	135.5	5.035					
950.	4.909	34.681	145.1	4.830					
1000.	4.840	34.733	152.5	4.757					
1050.	4.807	34.763	158.0	4.720					
1100.	4.770	34.798	165.5	4.679					
1150.	4.733	34.833	172.9	4.637					
1200.	4.748	34.870	181.3	4.648					
1250.	4.721	34.892	189.1	4.617					
1300.	4.663	34.915	198.3	4.554					
1350.	4.573	34.936	207.1	4.460					
1400.	4.487	34.948	214.5	4.371					
1450.	4.403	34.968	224.7	4.283					
1500.	4.289	34.976	232.9	4.165					
1550.	4.185	34.979	237.2	4.058					
1600.	4.107	34.980	241.2	3.976					
1650.	4.038	34.981	244.2	3.903					
1700.	3.967	34.982	247.1	3.829					
1750.	3.878	34.980	249.3	3.736					
1800.	3.802	34.977	250.1	3.656					
1850.	3.715	34.974	251.2	3.566					
1900.	3.637	34.971	251.4	3.485					
1950.	3.584	34.968	250.8	3.427					
2000.	3.528	34.966	251.1	3.367					
2050.	3.473	34.963	251.2	3.308					
2100.	3.416	34.959	250.1	3.248					
2150.	3.368	34.957	249.5	3.196					
2200.	3.332	34.955	249.6	3.155					
2250.	3.272	34.952	249.5	3.092					
2300.	3.224	34.950	249.5	3.040					
2350.	3.189	34.949	250.3	3.000					
2400.	3.156	34.948	251.6	2.963					
2450.	3.097	34.946	251.3	2.901					
2500.	3.059	34.944	251.4	2.858					
2550.	3.029	34.942	251.2	2.824					
2600.	2.993	34.940	250.9	2.783					
2650.	2.955	34.937	250.3	2.741					
2700.	2.911	34.936	251.8	2.693					
2750.	2.855	34.932	251.4	2.633					
2800.	2.810	34.928	251.4	2.584					



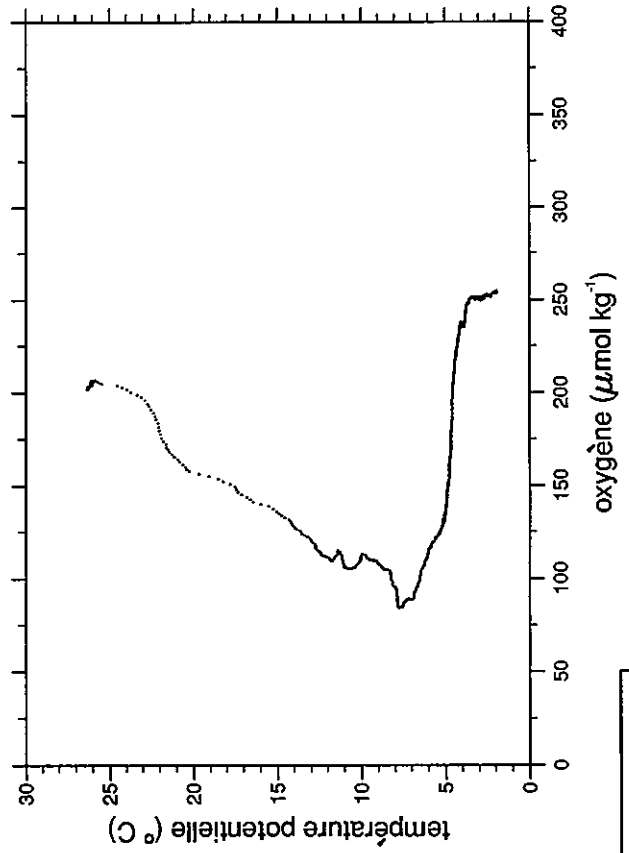
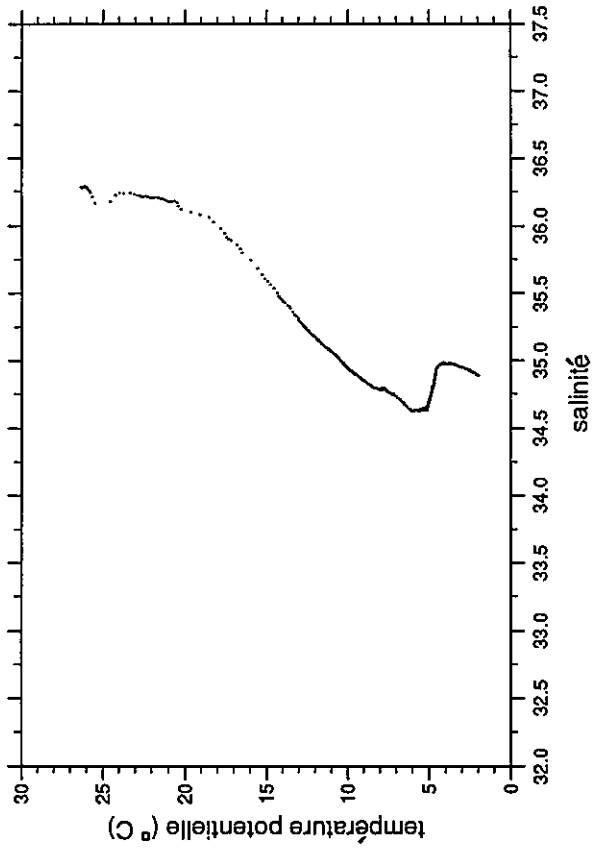
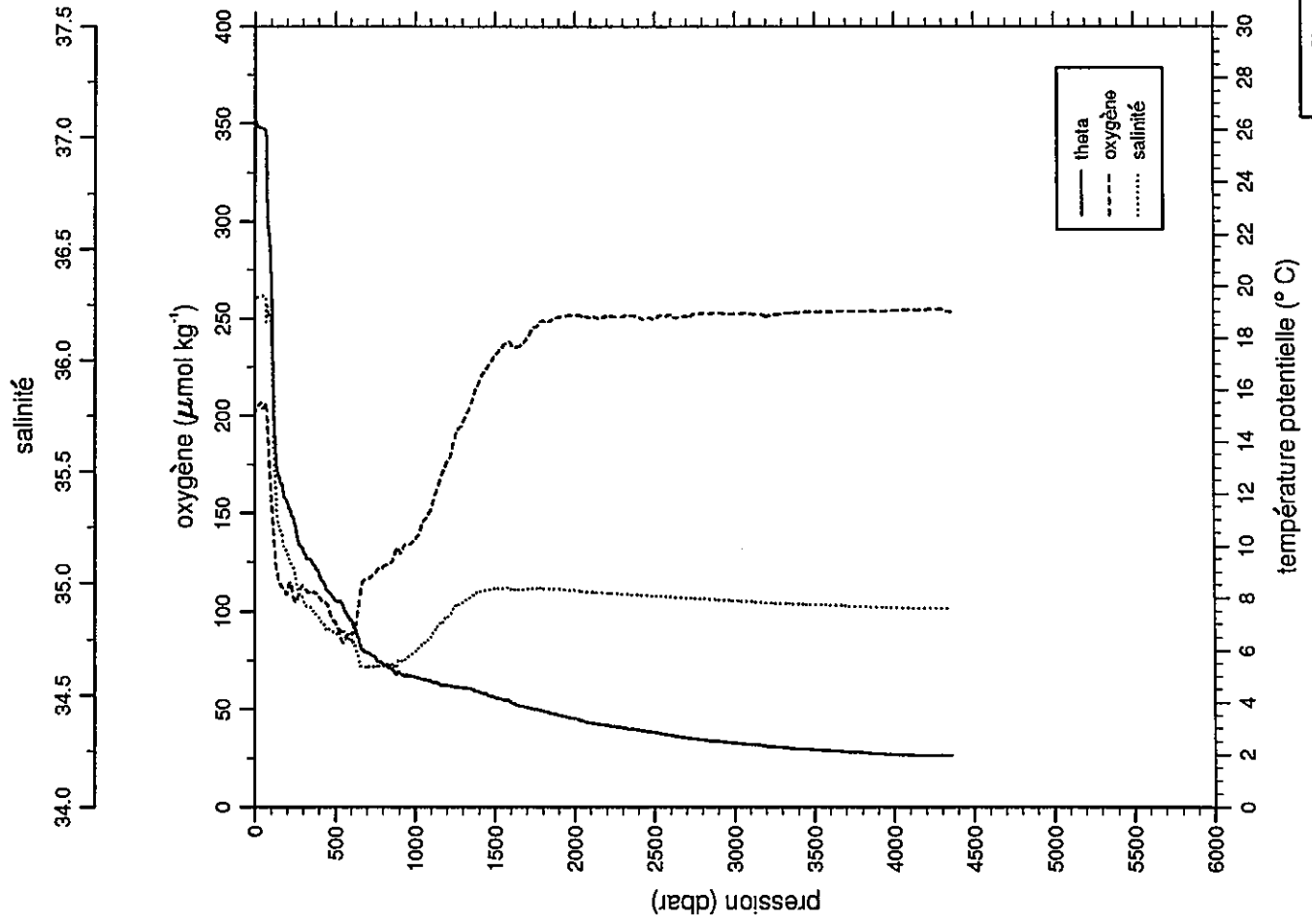
Station 163

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| Station   : 164      Campagne  : CITHER1
| Date      : 24-02-93 Navire    : L'ATALANTE
| Profondeur: 4366 m   Organisme : IFREMER
| Position  : N 7 26.98
|            W 31 40.09
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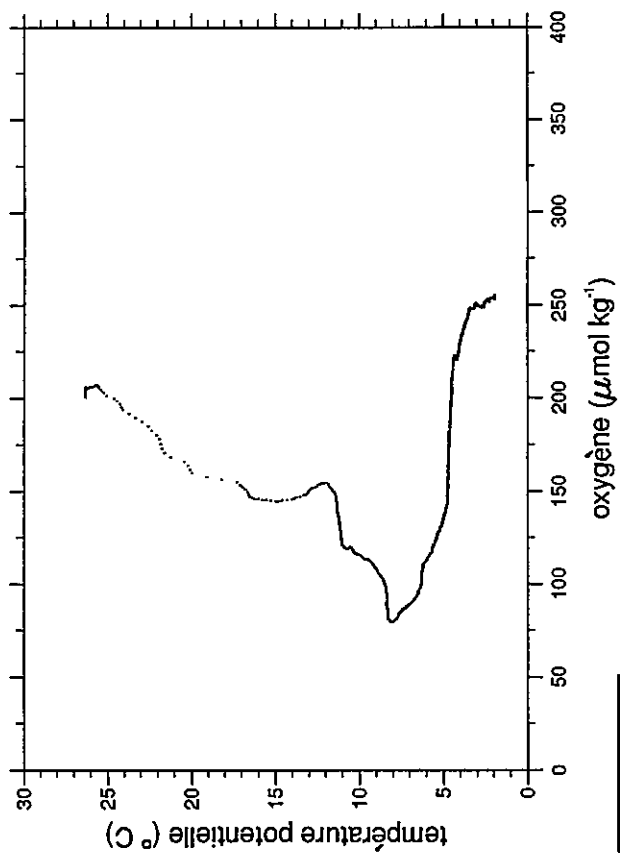
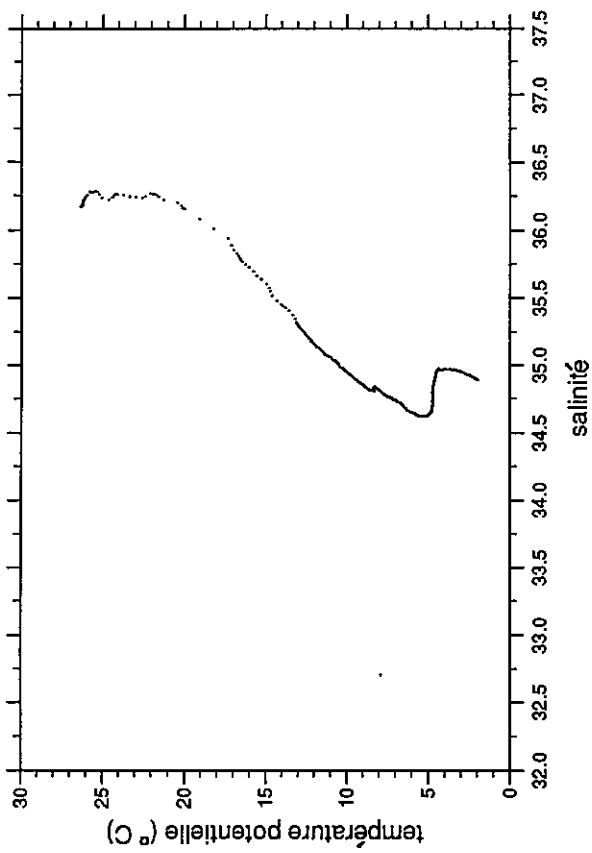
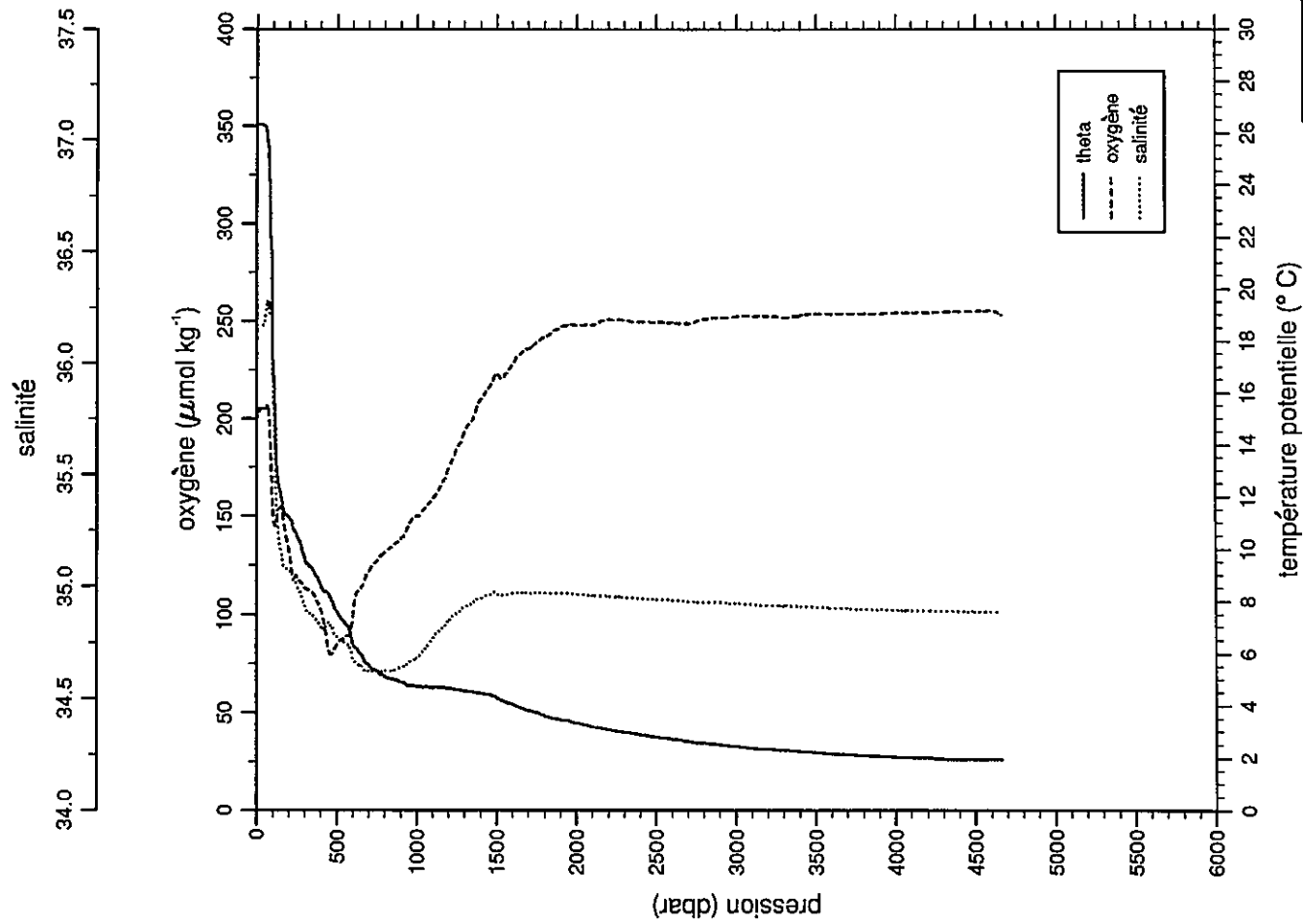
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.259	36.281	203.0	26.259	2850.	2.759	34.927	252.6	2.529
2.	26.259	36.281	201.9	26.258	2900.	2.757	34.927	252.7	2.521
3.	26.339	36.286	201.8	26.338	2950.	2.718	34.924	252.2	2.478
4.	26.336	36.285	202.2	26.336	3000.	2.688	34.922	252.4	2.444
5.	26.322	36.283	202.5	26.321	3050.	2.665	34.920	252.6	2.416
10.	26.227	36.277	203.4	26.224	3100.	2.647	34.918	252.4	2.393
20.	26.119	36.286	205.1	26.115	3150.	2.624	34.917	252.4	2.366
30.	26.090	36.287	206.0	26.083	3200.	2.584	34.914	251.2	2.322
40.	26.070	36.287	206.1	26.061	3250.	2.558	34.912	251.9	2.291
50.	26.047	36.288	204.0	26.036	3300.	2.542	34.911	252.5	2.270
100.	20.481	36.166	160.3	20.462	3350.	2.512	34.909	252.8	2.236
150.	12.664	35.254	115.7	12.644	3400.	2.492	34.907	253.1	2.211
200.	11.701	35.138	109.8	11.675	3450.	2.487	34.906	253.3	2.200
250.	10.786	35.040	105.1	10.755	3500.	2.476	34.905	253.5	2.184
300.	9.860	34.928	112.7	9.825	3550.	2.466	34.904	253.4	2.169
350.	9.469	34.891	109.5	9.430	3600.	2.444	34.902	253.4	2.142
400.	8.969	34.845	107.3	8.925	3650.	2.445	34.902	253.6	2.137
450.	8.330	34.792	103.6	8.282	3700.	2.413	34.898	253.7	2.101
500.	7.979	34.778	94.1	7.928	3750.	2.400	34.897	253.6	2.083
550.	7.745	34.787	84.3	7.689	3800.	2.398	34.897	253.7	2.075
600.	7.234	34.743	88.8	7.175	3850.	2.378	34.895	254.0	2.050
650.	6.456	34.664	105.0	6.396	3900.	2.370	34.894	253.9	2.036
700.	5.980	34.626	116.2	5.917	3950.	2.359	34.893	253.9	2.020
750.	5.831	34.633	119.4	5.765	4000.	2.338	34.890	254.0	1.994
800.	5.556	34.632	122.4	5.487	4050.	2.337	34.890	254.2	1.987
850.	5.388	34.640	124.8	5.316	4100.	2.331	34.889	254.4	1.976
900.	5.244	34.658	130.6	5.168	4150.	2.328	34.888	254.4	1.967
950.	5.148	34.674	133.8	5.067	4200.	2.330	34.888	254.5	1.963
1000.	5.066	34.692	136.8	4.982	4250.	2.334	34.888	254.7	1.962
1050.	4.977	34.732	145.4	4.888	4300.	2.342	34.888	254.7	1.963
1100.	4.922	34.763	151.9	4.830	4350.	2.348	34.888	253.7	1.963
1150.	4.810	34.815	165.1	4.714	4356.	2.345	34.888	253.6	1.960
1200.	4.755	34.850	176.1	4.655					
1250.	4.704	34.897	188.9	4.600					
1300.	4.682	34.917	196.0	4.574					
1350.	4.625	34.943	205.4	4.512					
1400.	4.524	34.958	217.1	4.407					
1450.	4.420	34.968	224.2	4.300					
1500.	4.310	34.974	230.7	4.186					
1550.	4.232	34.979	235.6	4.105					
1600.	4.138	34.973	236.8	4.007					
1650.	4.012	34.969	235.5	3.878					
1700.	3.944	34.972	239.6	3.806					
1750.	3.883	34.975	245.4	3.741					
1800.	3.829	34.977	248.6	3.683					
1850.	3.716	34.971	248.8	3.567					
1900.	3.665	34.972	250.6	3.512					
1950.	3.592	34.970	251.5	3.436					
2000.	3.530	34.967	251.6	3.369					
2050.	3.431	34.961	251.3	3.267					
2100.	3.373	34.959	250.7	3.205					
2150.	3.326	34.955	249.9	3.154					
2200.	3.295	34.955	251.2	3.119					
2250.	3.249	34.952	251.0	3.069					
2300.	3.210	34.951	250.8	3.026					
2350.	3.170	34.949	251.6	2.982					
2400.	3.124	34.947	250.6	2.932					
2450.	3.081	34.944	250.1	2.885					
2500.	3.056	34.943	249.7	2.855					
2550.	2.997	34.941	251.3	2.792					
2600.	2.969	34.940	251.9	2.760					
2650.	2.904	34.935	250.8	2.691					
2700.	2.866	34.933	251.1	2.649					
2750.	2.842	34.933	252.3	2.620					
2800.	2.805	34.930	252.6	2.579					



Station 164

Station : 165	Campagne : CITHER1
Date : 24-02-93	Navire : L'ATALANTE
Profondeur: 4699 m	Organisme : IFREMER
Position : N 7 26.99	
	W 31 20.01

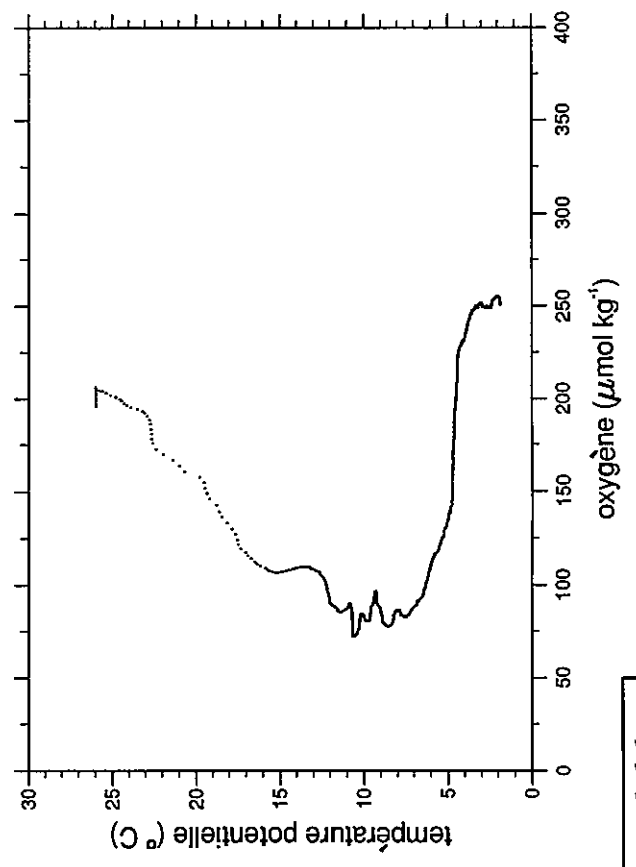
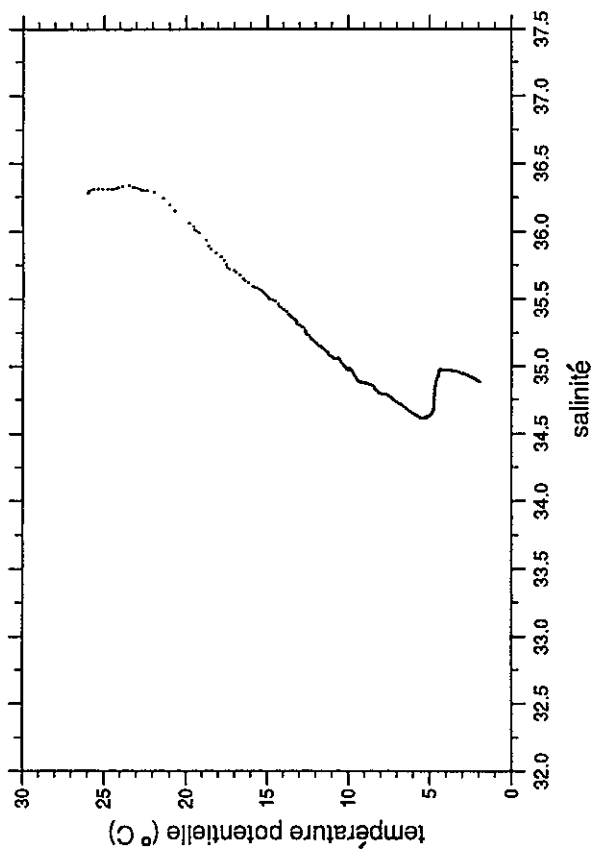
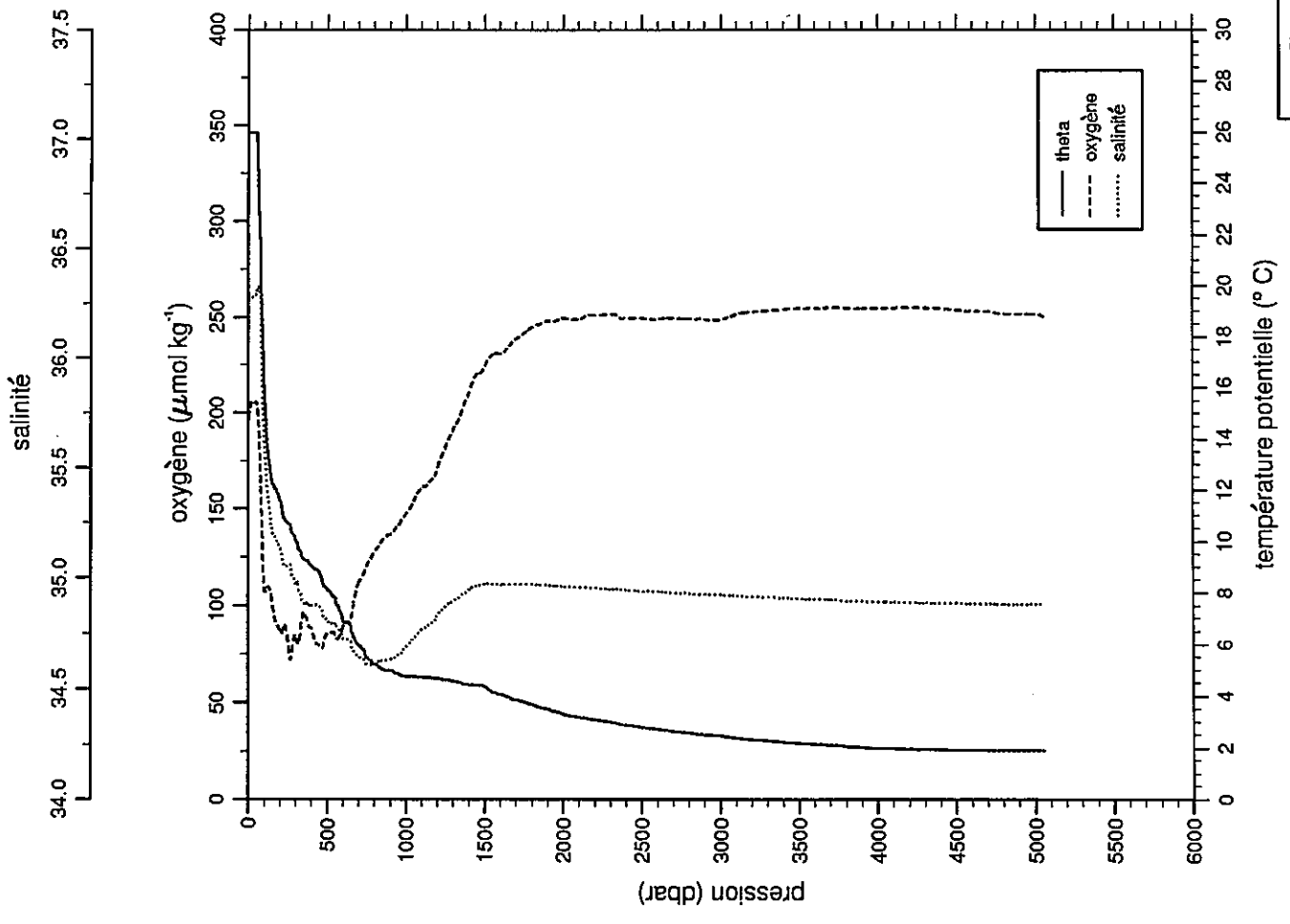
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.331	36.174	202.6	26.330	2850.	2.775	34.927	251.4	2.545
2.	26.331	36.174	202.6	26.330	2900.	2.750	34.927	251.8	2.515
3.	26.331	36.174	201.7	26.330	2950.	2.710	34.924	251.9	2.470
4.	26.331	36.174	200.8	26.330	3000.	2.695	34.923	252.2	2.451
5.	26.326	36.175	200.6	26.325	3050.	2.651	34.920	252.9	2.403
10.	26.332	36.174	202.6	26.330	3100.	2.628	34.918	252.5	2.375
20.	26.326	36.173	205.1	26.322	3150.	2.595	34.916	252.7	2.337
30.	26.311	36.172	205.3	26.304	3200.	2.586	34.914	252.4	2.323
40.	26.298	36.170	205.7	26.289	3250.	2.578	34.914	252.3	2.310
50.	26.244	36.191	205.0	26.233	3300.	2.562	34.913	251.7	2.290
100.	17.129	35.885	153.5	17.112	3350.	2.547	34.911	252.1	2.269
150.	12.094	35.166	154.6	12.074	3400.	2.529	34.909	252.8	2.247
200.	11.198	35.068	132.7	11.173	3450.	2.519	34.909	253.6	2.231
250.	10.520	35.004	119.7	10.490	3500.	2.502	34.907	253.6	2.210
300.	9.696	34.916	113.3	9.661	3550.	2.470	34.905	253.8	2.173
350.	9.248	34.870	110.6	9.209	3600.	2.452	34.903	253.5	2.150
400.	8.654	34.819	102.5	8.611	3650.	2.435	34.902	253.7	2.128
450.	8.337	34.836	81.5	8.290	3700.	2.429	34.901	253.7	2.116
500.	7.673	34.778	84.5	7.623	3750.	2.412	34.899	253.8	2.095
550.	7.210	34.748	88.0	7.157	3800.	2.405	34.898	253.8	2.082
600.	6.389	34.672	99.6	6.334	3850.	2.396	34.897	253.9	2.068
650.	6.044	34.647	113.5	5.986	3900.	2.388	34.896	253.9	2.055
700.	5.604	34.619	121.6	5.544	3950.	2.379	34.895	254.1	2.040
750.	5.405	34.622	126.9	5.342	4000.	2.370	34.893	254.3	2.025
800.	5.185	34.622	131.7	5.118	4050.	2.370	34.892	254.5	2.020
850.	5.084	34.624	134.7	5.013	4100.	2.356	34.892	254.5	2.000
900.	4.985	34.640	138.4	4.910	4150.	2.351	34.890	254.6	1.989
950.	4.861	34.661	145.6	4.783	4200.	2.354	34.890	254.4	1.986
1000.	4.842	34.681	149.8	4.760	4250.	2.332	34.888	254.7	1.960
1050.	4.821	34.720	153.9	4.735	4300.	2.331	34.888	254.7	1.953
1100.	4.775	34.769	158.8	4.684	4350.	2.332	34.887	254.9	1.948
1150.	4.792	34.805	165.2	4.696	4400.	2.337	34.887	255.0	1.947
1200.	4.773	34.849	174.5	4.673	4450.	2.339	34.887	255.0	1.943
1250.	4.727	34.880	184.2	4.622	4500.	2.342	34.886	255.2	1.940
1300.	4.686	34.909	193.3	4.577	4550.	2.340	34.885	255.2	1.931
1350.	4.659	34.922	199.7	4.546	4600.	2.347	34.885	255.3	1.932
1400.	4.608	34.947	209.6	4.490	4650.	2.353	34.885	253.6	1.932
1450.	4.557	34.959	215.9	4.436	4666.	2.355	34.885	253.2	1.932
1500.	4.426	34.965	223.0	4.301					
1550.	4.279	34.962	222.1	4.151					
1600.	4.192	34.967	228.0	4.061					
1650.	4.052	34.969	233.1	3.918					
1700.	3.955	34.967	235.7	3.817					
1750.	3.885	34.968	238.9	3.743					
1800.	3.775	34.968	242.0	3.630					
1850.	3.675	34.968	244.7	3.527					
1900.	3.627	34.967	246.8	3.474					
1950.	3.589	34.967	248.2	3.433					
2000.	3.506	34.963	247.8	3.346					
2050.	3.434	34.960	247.9	3.270					
2100.	3.367	34.958	248.0	3.199					
2150.	3.325	34.956	249.7	3.153					
2200.	3.261	34.954	250.8	3.086					
2250.	3.208	34.951	250.9	3.029					
2300.	3.173	34.950	250.5	2.990					
2350.	3.131	34.948	249.5	2.943					
2400.	3.084	34.945	249.6	2.892					
2450.	3.035	34.942	249.5	2.839					
2500.	3.008	34.941	249.2	2.808					
2550.	2.967	34.938	249.3	2.763					
2600.	2.936	34.937	249.1	2.728					
2650.	2.902	34.935	248.6	2.689					
2700.	2.853	34.932	248.7	2.636					
2750.	2.810	34.930	249.8	2.589					
2800.	2.788	34.928	250.8	2.562					



Station 165

Station : 166 Campagne : CITHER1
 Date : 25-02-93 Navire : L'ATALANTE
 Profondeur: 5043 m Organisme : IFRIMER
 Position : N 7 27.01
 W 30 39.99

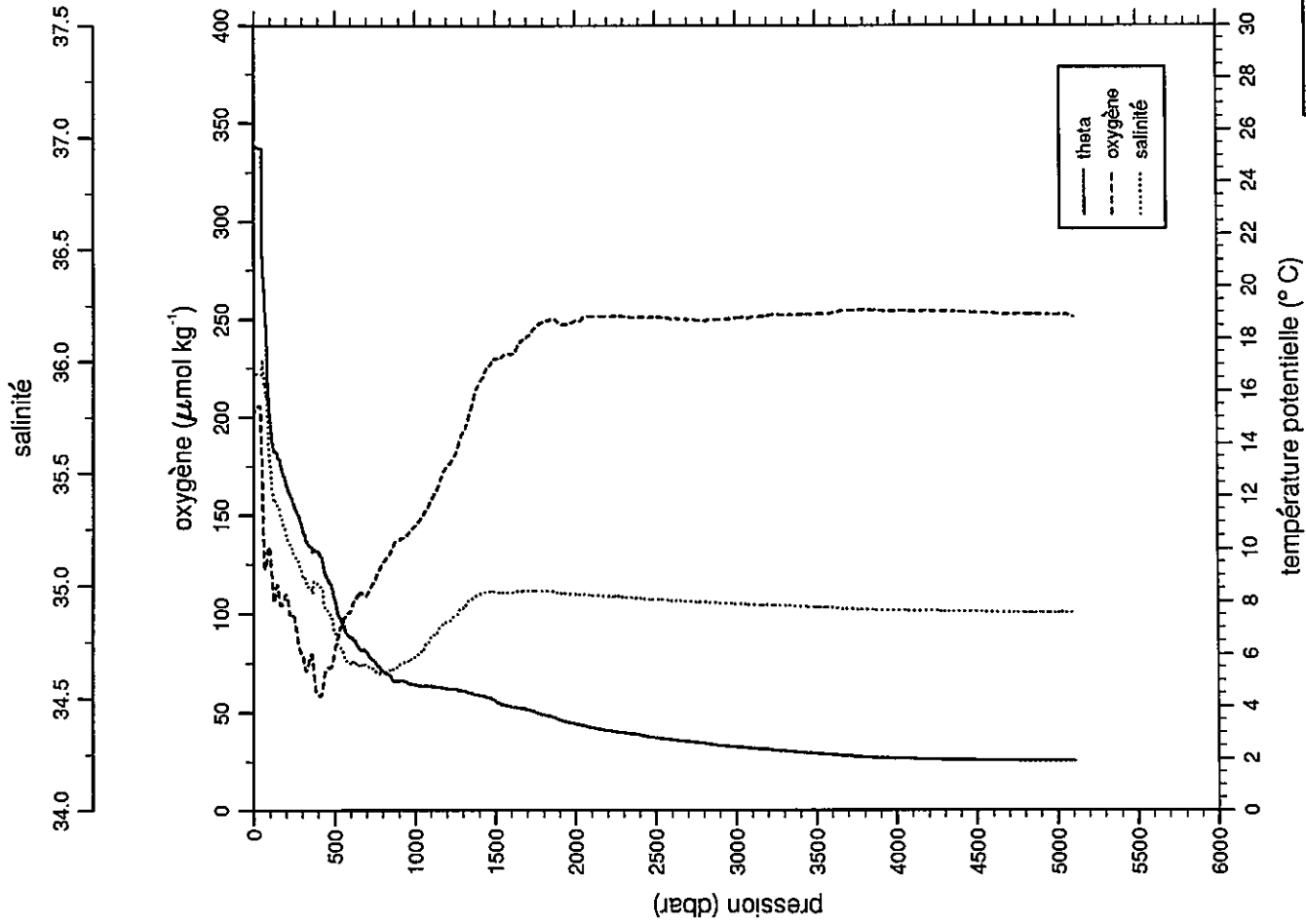
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.959	36.275	199.3	25.959	2850.	2.762	34.925	249.1	2.532
2.	25.959	36.275	197.9	25.958	2900.	2.744	34.924	248.9	2.510
3.	25.953	36.276	196.2	25.952	2950.	2.717	34.923	248.4	2.478
4.	25.955	36.275	195.6	25.954	3000.	2.707	34.921	248.8	2.463
5.	25.956	36.275	197.0	25.955	3050.	2.664	34.918	250.1	2.416
10.	25.962	36.275	201.0	25.960	3100.	2.634	34.917	251.5	2.381
20.	25.965	36.276	205.6	25.961	3150.	2.601	34.915	252.3	2.343
30.	25.967	36.276	206.2	25.960	3200.	2.581	34.914	252.8	2.319
40.	25.970	36.277	206.1	25.961	3250.	2.576	34.913	253.1	2.309
50.	25.983	36.293	205.4	25.972	3300.	2.549	34.911	253.5	2.276
100.	15.883	35.594	109.3	15.868	3350.	2.530	34.910	253.7	2.253
150.	12.317	35.213	102.4	12.297	3400.	2.509	34.908	254.0	2.228
200.	11.587	35.137	86.7	11.562	3450.	2.487	34.907	254.5	2.200
250.	10.723	35.059	82.1	10.692	3500.	2.462	34.904	254.7	2.171
300.	10.064	34.974	84.1	10.029	3550.	2.454	34.904	254.5	2.158
350.	9.363	34.888	96.7	9.324	3600.	2.445	34.903	254.6	2.143
400.	9.077	34.871	88.1	9.033	3650.	2.433	34.902	254.7	2.126
450.	8.861	34.871	79.4	8.812	3700.	2.429	34.900	254.9	2.116
500.	8.179	34.802	85.6	8.127	3750.	2.416	34.899	254.9	2.098
550.	7.869	34.793	84.6	7.813	3800.	2.380	34.895	254.6	2.058
600.	6.962	34.725	88.8	6.905	3850.	2.364	34.894	254.4	2.037
650.	6.741	34.712	92.3	6.680	3900.	2.359	34.893	254.6	2.026
700.	6.051	34.644	111.6	5.988	3950.	2.340	34.892	254.6	2.002
750.	5.578	34.611	120.0	5.513	4000.	2.332	34.890	254.7	1.988
800.	5.296	34.609	127.7	5.228	4050.	2.336	34.890	254.6	1.986
850.	5.103	34.626	133.5	5.033	4100.	2.333	34.890	254.7	1.978
900.	5.055	34.633	136.6	4.980	4150.	2.332	34.889	255.0	1.971
950.	4.940	34.652	140.9	4.861	4200.	2.326	34.888	254.9	1.959
1000.	4.831	34.686	146.8	4.748	4250.	2.319	34.887	255.0	1.947
1050.	4.833	34.728	153.9	4.746	4300.	2.322	34.887	254.9	1.944
1100.	4.809	34.765	160.9	4.718	4350.	2.325	34.886	254.7	1.941
1150.	4.814	34.790	163.7	4.719	4400.	2.324	34.885	254.6	1.934
1200.	4.782	34.831	170.7	4.681	4450.	2.322	34.885	254.2	1.926
1250.	4.727	34.868	181.8	4.622	4500.	2.323	34.884	253.7	1.921
1300.	4.678	34.897	191.1	4.569	4550.	2.322	34.885	253.4	1.914
1350.	4.623	34.918	199.5	4.510	4600.	2.323	34.883	253.3	1.909
1400.	4.550	34.945	210.4	4.433	4650.	2.328	34.883	253.2	1.908
1450.	4.545	34.963	220.0	4.423	4700.	2.328	34.882	253.2	1.901
1500.	4.499	34.973	224.0	4.373	4750.	2.325	34.881	252.3	1.893
1550.	4.273	34.971	230.2	4.145	4800.	2.328	34.882	252.0	1.890
1600.	4.204	34.968	230.9	4.072	4850.	2.335	34.881	251.9	1.890
1650.	4.105	34.970	234.3	3.969	4900.	2.340	34.881	251.8	1.888
1700.	3.986	34.970	238.7	3.848	4950.	2.346	34.881	251.8	1.888
1750.	3.913	34.971	241.4	3.771	5000.	2.352	34.881	251.8	1.888
1800.	3.819	34.970	244.6	3.673	5050.	2.359	34.881	250.6	1.888
1850.	3.702	34.967	246.2	3.553	5055.	2.359	34.881	251.1	1.887
1900.	3.656	34.967	248.0	3.504					
1950.	3.571	34.963	248.0	3.415					
2000.	3.482	34.961	249.7	3.323					
2050.	3.401	34.958	249.1	3.238					
2100.	3.364	34.957	249.0	3.196					
2150.	3.321	34.956	250.9	3.149					
2200.	3.275	34.953	251.1	3.100					
2250.	3.231	34.951	251.2	3.051					
2300.	3.194	34.949	251.5	3.010					
2350.	3.126	34.946	250.4	2.938					
2400.	3.074	34.943	249.7	2.882					
2450.	3.031	34.941	249.6	2.835					
2500.	2.987	34.939	249.5	2.787					
2550.	2.949	34.937	249.0	2.745					
2600.	2.928	34.936	249.0	2.720					
2650.	2.886	34.934	249.7	2.674					
2700.	2.848	34.931	249.5	2.631					
2750.	2.827	34.929	249.3	2.606					
2800.	2.802	34.928	249.2	2.576					



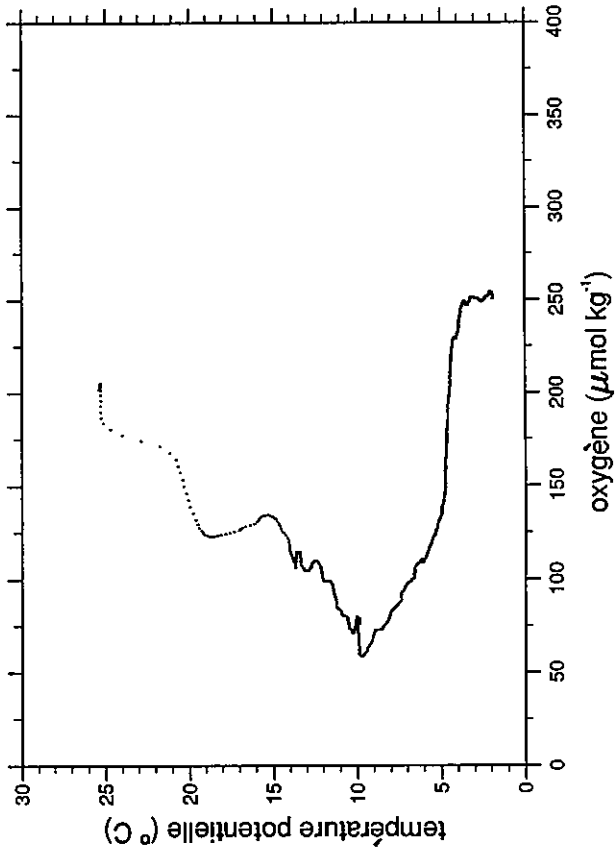
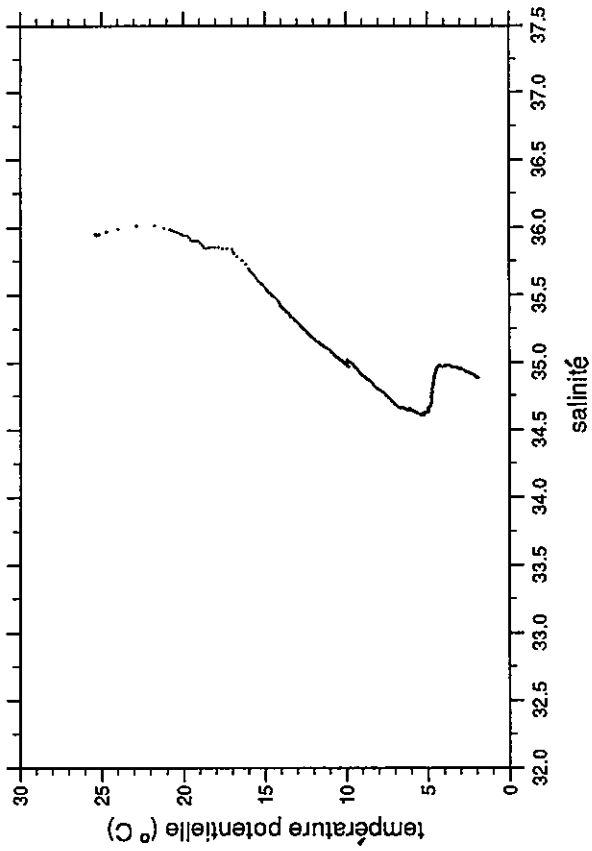
Station 166

Station : 167 Campagne : CITEHR1
 Date : 25-02-93 Navire : L'ATALANTE
 Profondeur: 5104 m Organisme : IFREMER
 Position : N 7 27.05
 W 29 59.97

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.360	35.944	203.3	25.360	2850.	2.763	34.925	249.4	2.533
2.	25.360	35.944	201.9	25.360	2900.	2.718	34.922	249.4	2.484
3.	25.390	35.950	202.1	25.390	2950.	2.696	34.922	250.0	2.457
4.	25.380	35.947	202.1	25.379	3000.	2.676	34.920	250.4	2.432
5.	25.373	35.945	202.8	25.372	3050.	2.657	34.919	250.7	2.408
10.	25.347	35.943	204.3	25.345	3100.	2.631	34.917	250.8	2.378
20.	25.336	35.943	205.4	25.331	3150.	2.619	34.915	251.1	2.361
30.	25.300	35.941	205.4	25.293	3200.	2.608	34.915	251.5	2.345
40.	25.292	35.940	203.5	25.283	3250.	2.574	34.912	252.0	2.307
50.	22.872	36.007	174.2	22.861	3300.	2.552	34.911	251.8	2.280
100.	14.836	35.529	132.0	14.821	3350.	2.531	34.909	251.9	2.254
150.	13.431	35.341	113.8	13.410	3400.	2.507	34.908	252.0	2.225
200.	12.423	35.222	109.8	12.396	3450.	2.493	34.906	252.0	2.206
250.	11.611	35.137	98.3	11.579	3500.	2.463	34.903	252.4	2.172
300.	10.751	35.054	80.0	10.715	3550.	2.463	34.903	252.4	2.166
350.	10.108	34.989	77.8	10.067	3600.	2.443	34.902	252.8	2.141
400.	9.881	35.008	59.3	9.835	3650.	2.414	34.900	253.7	2.107
450.	8.983	34.899	72.5	8.934	3700.	2.395	34.898	254.2	2.084
500.	8.137	34.805	80.1	8.085	3750.	2.381	34.896	254.4	2.064
550.	7.228	34.711	95.3	7.175	3800.	2.364	34.895	254.5	2.043
600.	6.680	34.658	101.5	6.624	3850.	2.360	34.894	254.3	2.033
650.	6.296	34.646	109.7	6.237	3900.	2.343	34.892	254.2	2.010
700.	6.118	34.649	109.4	6.055	3950.	2.341	34.891	254.0	2.003
750.	5.781	34.627	117.1	5.716	4000.	2.339	34.891	253.9	1.995
800.	5.403	34.610	125.6	5.335	4050.	2.339	34.890	254.2	1.989
850.	5.216	34.629	131.4	5.145	4100.	2.332	34.888	254.0	1.977
900.	5.041	34.649	137.4	4.966	4150.	2.332	34.888	253.9	1.971
950.	4.981	34.661	139.7	4.902	4200.	2.326	34.888	254.1	1.960
1000.	4.901	34.685	144.4	4.818	4250.	2.326	34.887	253.9	1.954
1050.	4.838	34.713	149.8	4.751	4300.	2.323	34.887	253.7	1.945
1100.	4.854	34.771	157.1	4.763	4350.	2.324	34.886	253.6	1.940
1150.	4.806	34.810	165.6	4.710	4400.	2.326	34.886	253.4	1.936
1200.	4.760	34.840	174.9	4.660	4450.	2.328	34.885	253.3	1.932
1250.	4.746	34.862	180.8	4.642	4500.	2.328	34.885	253.2	1.926
1300.	4.687	34.900	192.0	4.578	4550.	2.328	34.883	253.1	1.920
1350.	4.591	34.933	204.4	4.478	4600.	2.329	34.882	252.7	1.915
1400.	4.518	34.960	217.1	4.401	4650.	2.330	34.882	252.5	1.910
1450.	4.447	34.970	224.9	4.327	4700.	2.333	34.882	252.2	1.907
1500.	4.321	34.972	229.8	4.197	4750.	2.338	34.882	252.2	1.905
1550.	4.167	34.968	231.1	4.040	4800.	2.341	34.882	252.2	1.902
1600.	4.102	34.967	232.0	3.971	4850.	2.343	34.881	252.1	1.897
1650.	4.065	34.974	237.7	3.930	4900.	2.349	34.881	252.0	1.897
1700.	4.006	34.975	241.1	3.867	4950.	2.354	34.881	252.0	1.896
1750.	3.916	34.977	245.7	3.774	5000.	2.359	34.881	251.9	1.895
1800.	3.815	34.976	248.4	3.669	5050.	2.365	34.881	251.9	1.894
1850.	3.751	34.973	249.4	3.601	5100.	2.371	34.881	250.8	1.894
1900.	3.624	34.965	247.3	3.471	5107.	2.372	34.882	250.7	1.893
1950.	3.533	34.962	247.4	3.378					
2000.	3.472	34.961	248.8	3.312					
2050.	3.420	34.960	250.6	3.256					
2100.	3.342	34.958	251.1	3.175					
2150.	3.295	34.955	251.2	3.124					
2200.	3.244	34.953	251.3	3.068					
2250.	3.194	34.951	251.4	3.015					
2300.	3.165	34.949	251.2	2.981					
2350.	3.122	34.947	250.5	2.935					
2400.	3.089	34.945	250.7	2.897					
2450.	3.025	34.941	250.7	2.830					
2500.	2.992	34.940	250.7	2.792					
2550.	2.949	34.937	250.5	2.745					
2600.	2.914	34.935	250.0	2.706					
2650.	2.885	34.933	249.9	2.672					
2700.	2.854	34.931	249.7	2.637					
2750.	2.838	34.930	249.3	2.617					
2800.	2.806	34.928	249.0	2.580					

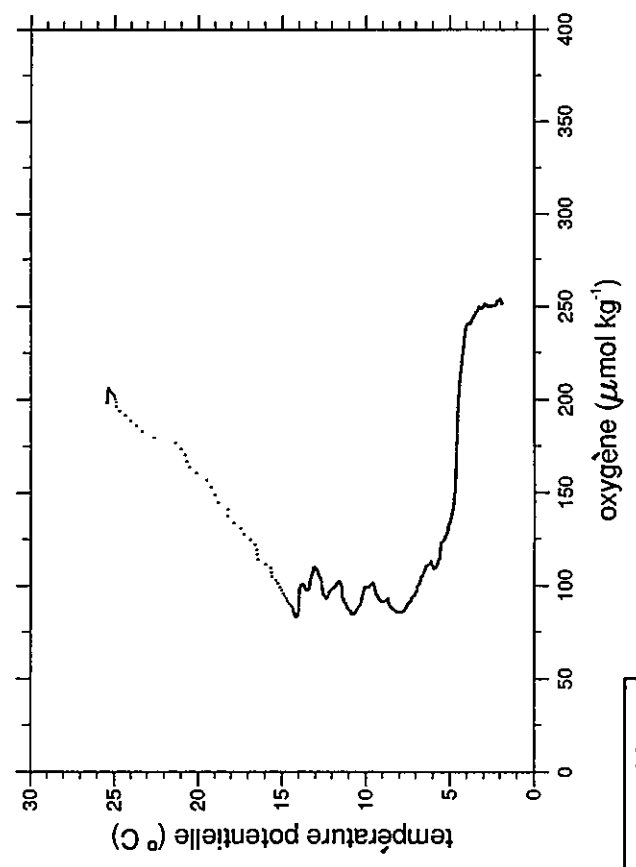
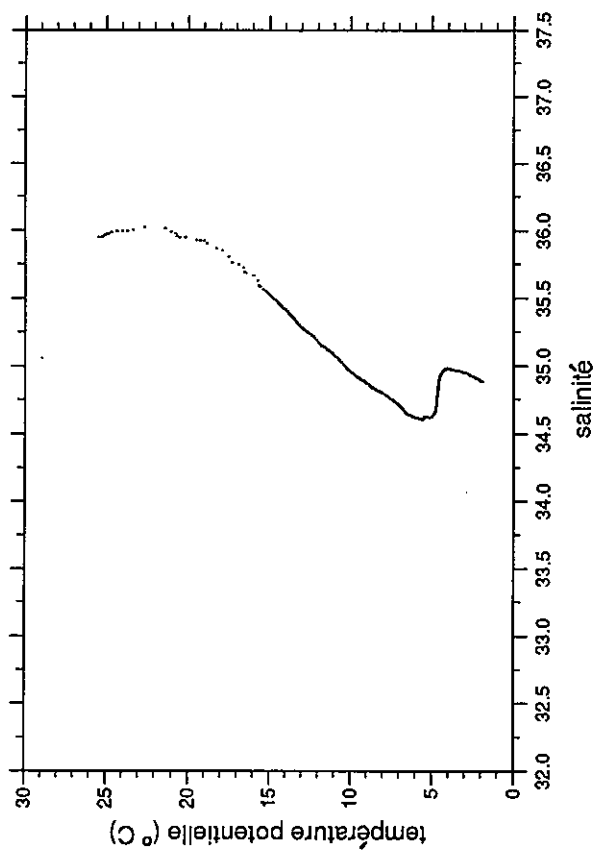
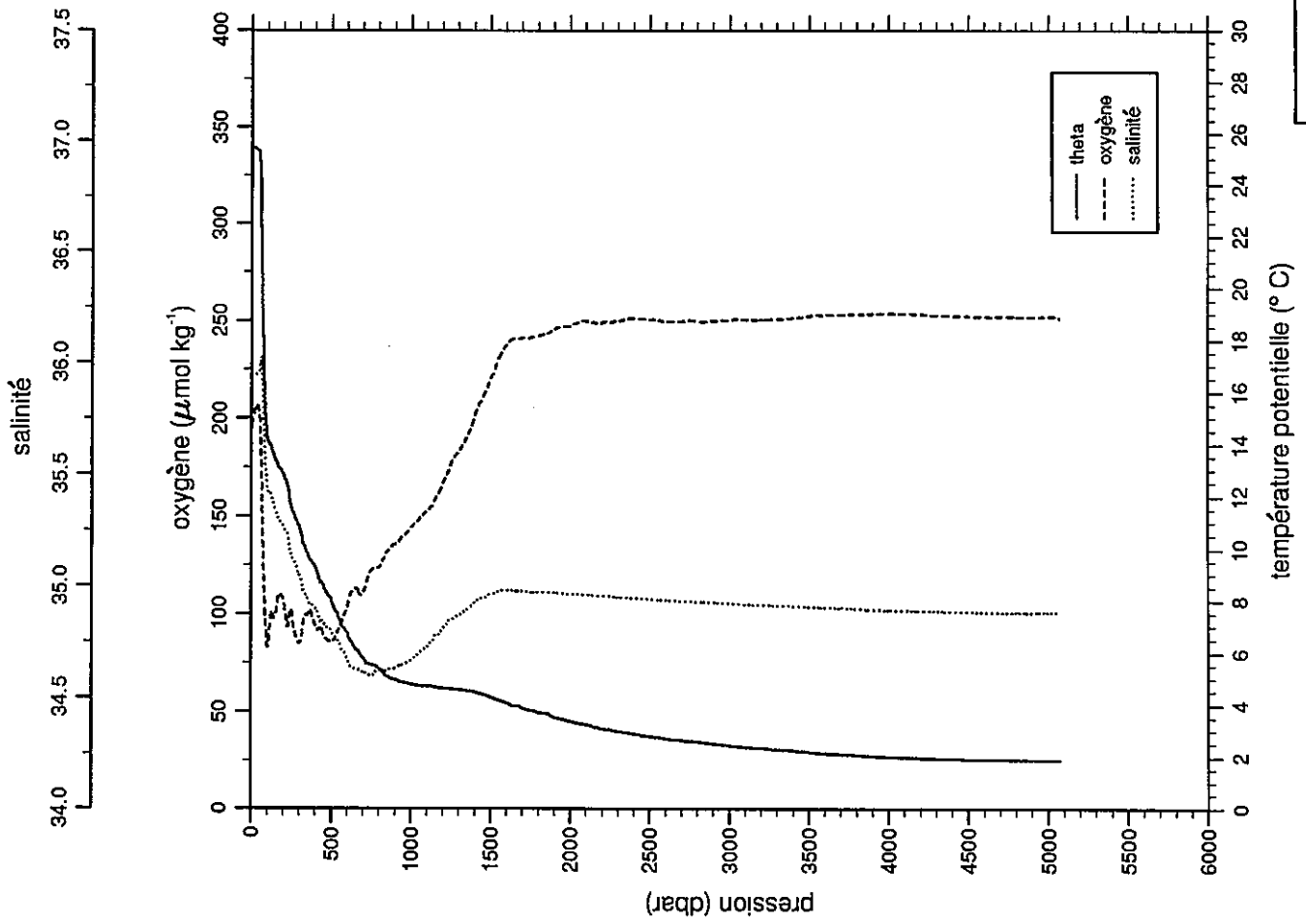


Station 167



Station : 168 Campagne : CITHER1
 Date : 25-02-93 Navire : L'ATALANTE
 Profondeur: 4720 m Organisme : IFREMER
 Position : N 7 26.99
 W 29 20.05

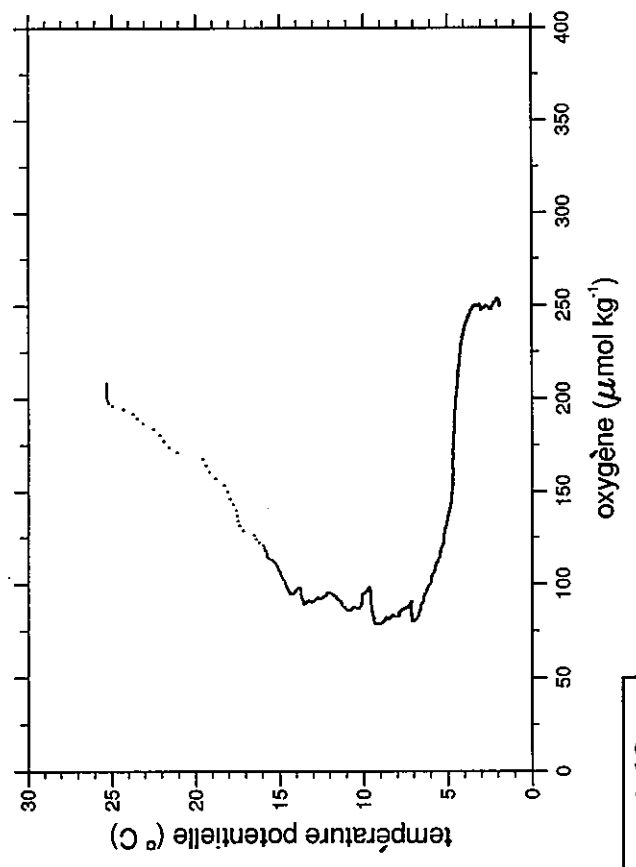
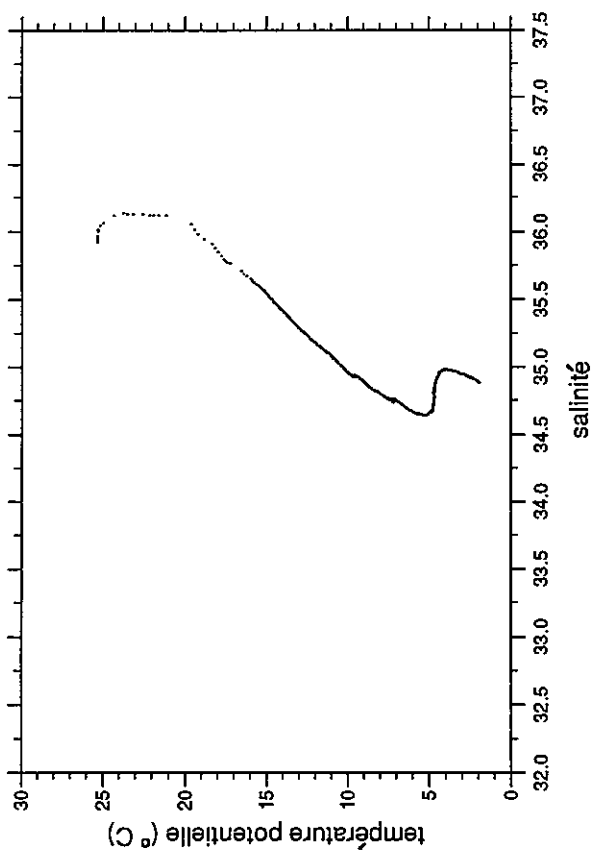
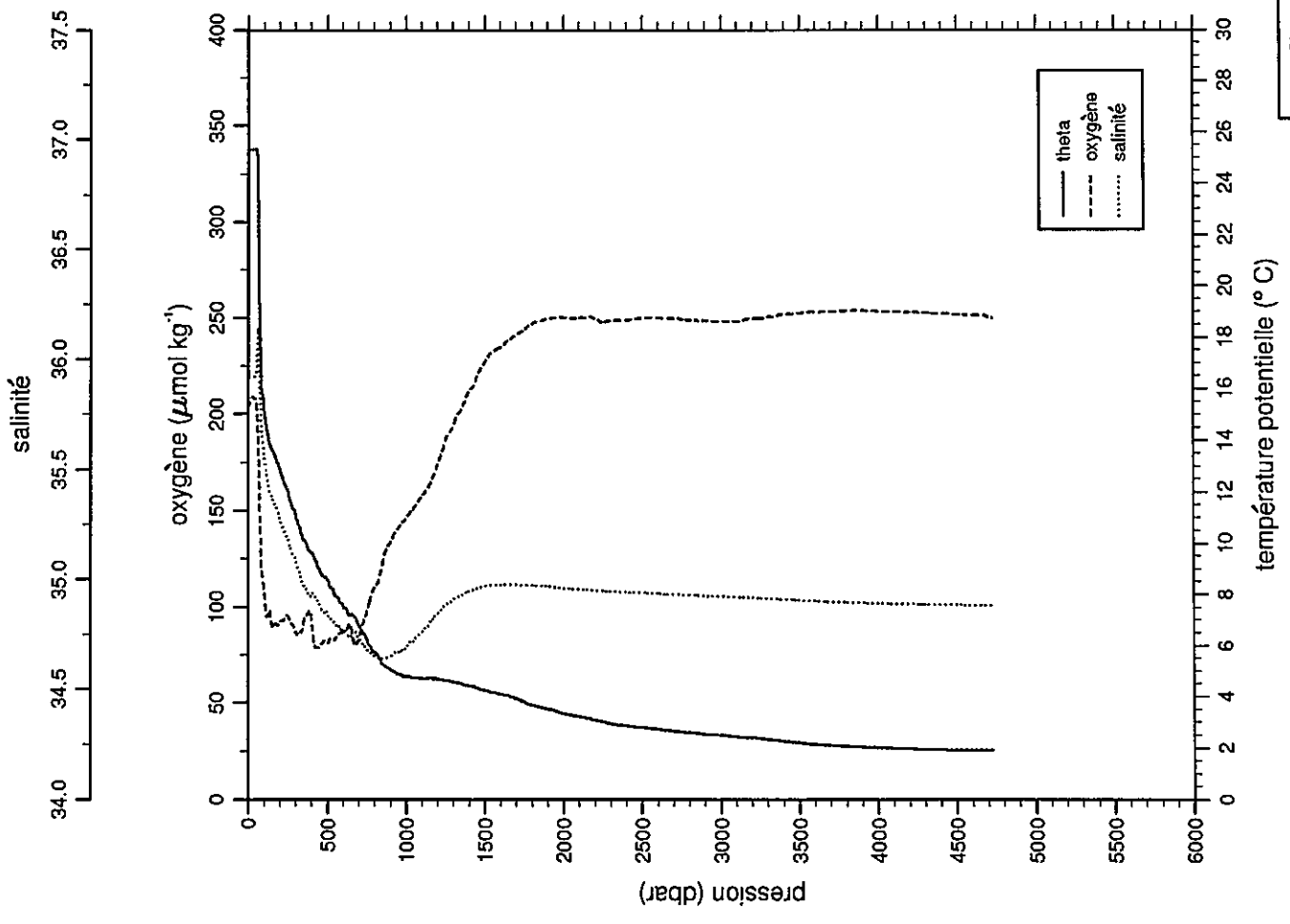
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.442	35.947	199.5	25.441	2850.	2.789	34.926	249.7	2.558
2.	25.442	35.947	199.6	25.441	2900.	2.763	34.924	249.9	2.528
3.	25.436	35.947	199.3	25.435	2950.	2.718	34.922	250.1	2.479
4.	25.437	35.947	198.2	25.437	3000.	2.694	34.921	250.4	2.450
5.	25.443	35.947	198.4	25.442	3050.	2.668	34.919	250.7	2.419
10.	25.442	35.947	201.0	25.440	3100.	2.644	34.918	250.5	2.391
20.	25.449	35.947	204.0	25.445	3150.	2.621	34.916	250.4	2.363
30.	25.358	35.946	205.7	25.351	3200.	2.609	34.914	250.5	2.346
40.	25.347	35.947	206.2	25.338	3250.	2.598	34.914	250.5	2.330
50.	25.051	35.967	202.7	25.040	3300.	2.570	34.912	250.9	2.298
100.	14.201	35.434	83.0	14.186	3350.	2.555	34.911	251.1	2.278
150.	13.425	35.338	98.3	13.404	3400.	2.541	34.910	251.4	2.258
200.	12.863	35.265	106.7	12.835	3450.	2.525	34.908	251.7	2.237
250.	11.604	35.136	102.2	11.572	3500.	2.496	34.905	252.4	2.204
300.	10.802	35.053	84.7	10.766	3550.	2.468	34.904	253.1	2.171
350.	9.872	34.944	99.2	9.832	3600.	2.458	34.903	252.9	2.156
400.	9.324	34.897	93.8	9.279	3650.	2.441	34.901	253.1	2.133
450.	8.666	34.840	89.9	8.617	3700.	2.434	34.901	253.2	2.121
500.	8.072	34.797	85.5	8.021	3750.	2.422	34.899	253.4	2.104
550.	7.350	34.738	92.1	7.296	3800.	2.411	34.898	253.3	2.087
600.	6.822	34.677	102.9	6.765	3850.	2.397	34.896	253.6	2.068
650.	6.241	34.624	112.0	6.182	3900.	2.382	34.895	253.5	2.048
700.	5.858	34.612	110.7	5.797	3950.	2.369	34.894	253.7	2.030
750.	5.616	34.602	122.4	5.551	4000.	2.365	34.892	253.8	2.020
800.	5.477	34.622	123.7	5.409	4050.	2.357	34.892	253.9	2.007
850.	5.187	34.619	131.5	5.115	4100.	2.352	34.891	253.9	1.997
900.	5.035	34.631	135.7	4.961	4150.	2.351	34.889	253.5	1.990
950.	4.945	34.647	139.6	4.866	4200.	2.343	34.889	253.5	1.976
1000.	4.860	34.665	143.7	4.778	4250.	2.333	34.888	252.9	1.961
1050.	4.819	34.700	148.2	4.732	4300.	2.330	34.887	252.8	1.952
1100.	4.797	34.725	152.1	4.706	4350.	2.329	34.886	252.8	1.945
1150.	4.770	34.770	157.8	4.675	4400.	2.324	34.885	252.5	1.934
1200.	4.733	34.810	166.6	4.633	4450.	2.329	34.885	252.4	1.933
1250.	4.707	34.850	176.4	4.603	4500.	2.325	34.884	252.2	1.923
1300.	4.692	34.866	182.7	4.583	4550.	2.328	34.883	252.1	1.920
1350.	4.674	34.892	190.2	4.560	4600.	2.332	34.883	252.2	1.918
1400.	4.617	34.925	201.1	4.499	4650.	2.332	34.883	251.9	1.912
1450.	4.521	34.943	210.8	4.400	4700.	2.336	34.882	252.1	1.909
1500.	4.422	34.961	220.4	4.297	4750.	2.339	34.882	252.1	1.906
1550.	4.317	34.975	230.8	4.189	4800.	2.342	34.881	251.9	1.903
1600.	4.213	34.980	237.5	4.081	4850.	2.348	34.882	251.8	1.903
1650.	4.110	34.977	240.4	3.975	4900.	2.354	34.882	251.9	1.902
1700.	4.023	34.975	241.1	3.884	4950.	2.360	34.882	251.9	1.902
1750.	3.930	34.972	241.1	3.788	5000.	2.367	34.882	252.0	1.902
1800.	3.855	34.970	242.1	3.708	5050.	2.372	34.882	251.8	1.900
1850.	3.820	34.970	243.3	3.670	5073.	2.375	34.881	251.3	1.900
1900.	3.676	34.966	245.7	3.522					
1950.	3.612	34.964	247.0	3.455					
2000.	3.542	34.962	247.1	3.381					
2050.	3.474	34.961	248.9	3.310					
2100.	3.426	34.960	249.9	3.258					
2150.	3.352	34.955	249.0	3.180					
2200.	3.277	34.953	249.0	3.102					
2250.	3.251	34.951	249.4	3.071					
2300.	3.180	34.949	250.1	2.996					
2350.	3.146	34.947	250.8	2.958					
2400.	3.099	34.945	251.1	2.907					
2450.	3.042	34.942	250.8	2.846					
2500.	3.009	34.940	250.6	2.809					
2550.	2.971	34.937	250.3	2.767					
2600.	2.933	34.935	249.8	2.724					
2650.	2.900	34.934	249.6	2.687					
2700.	2.865	34.930	249.7	2.647					
2750.	2.846	34.930	250.2	2.624					
2800.	2.818	34.928	249.7	2.591					



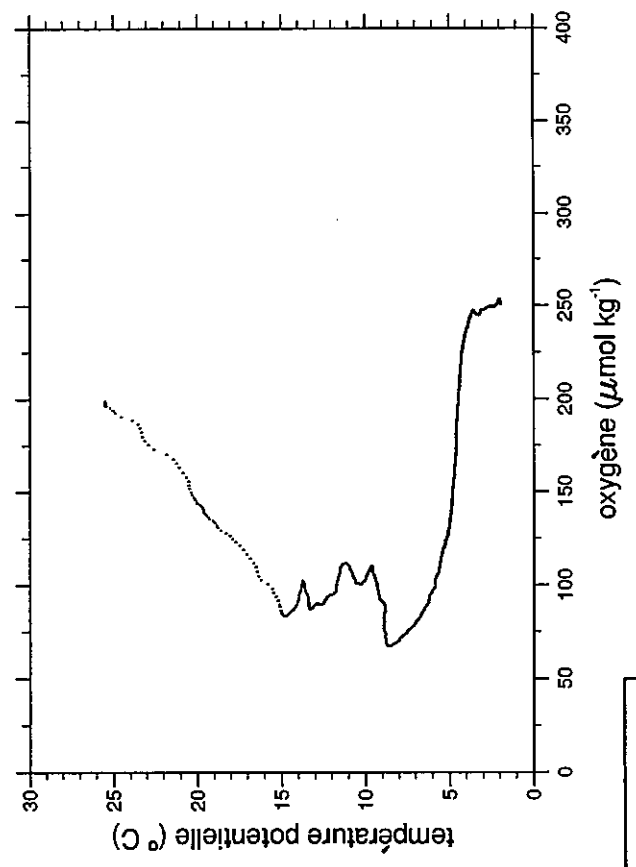
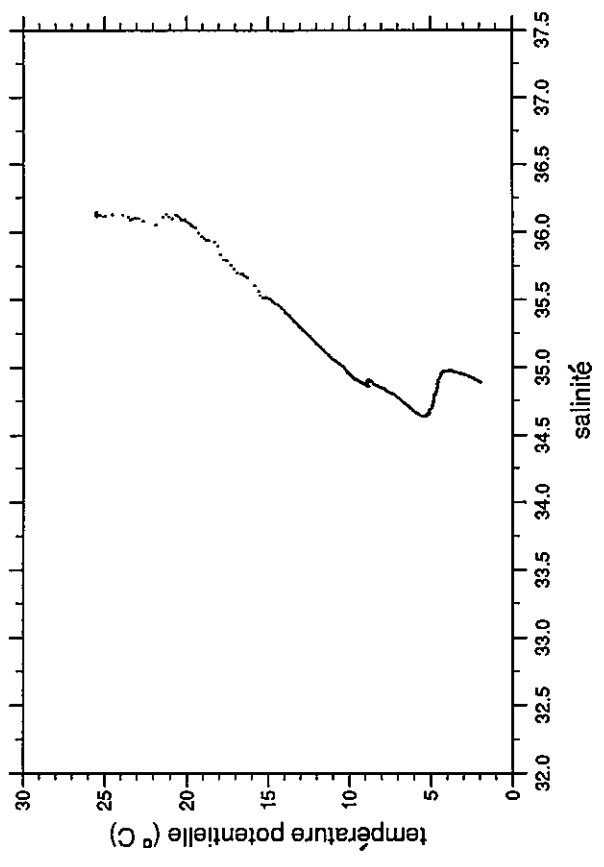
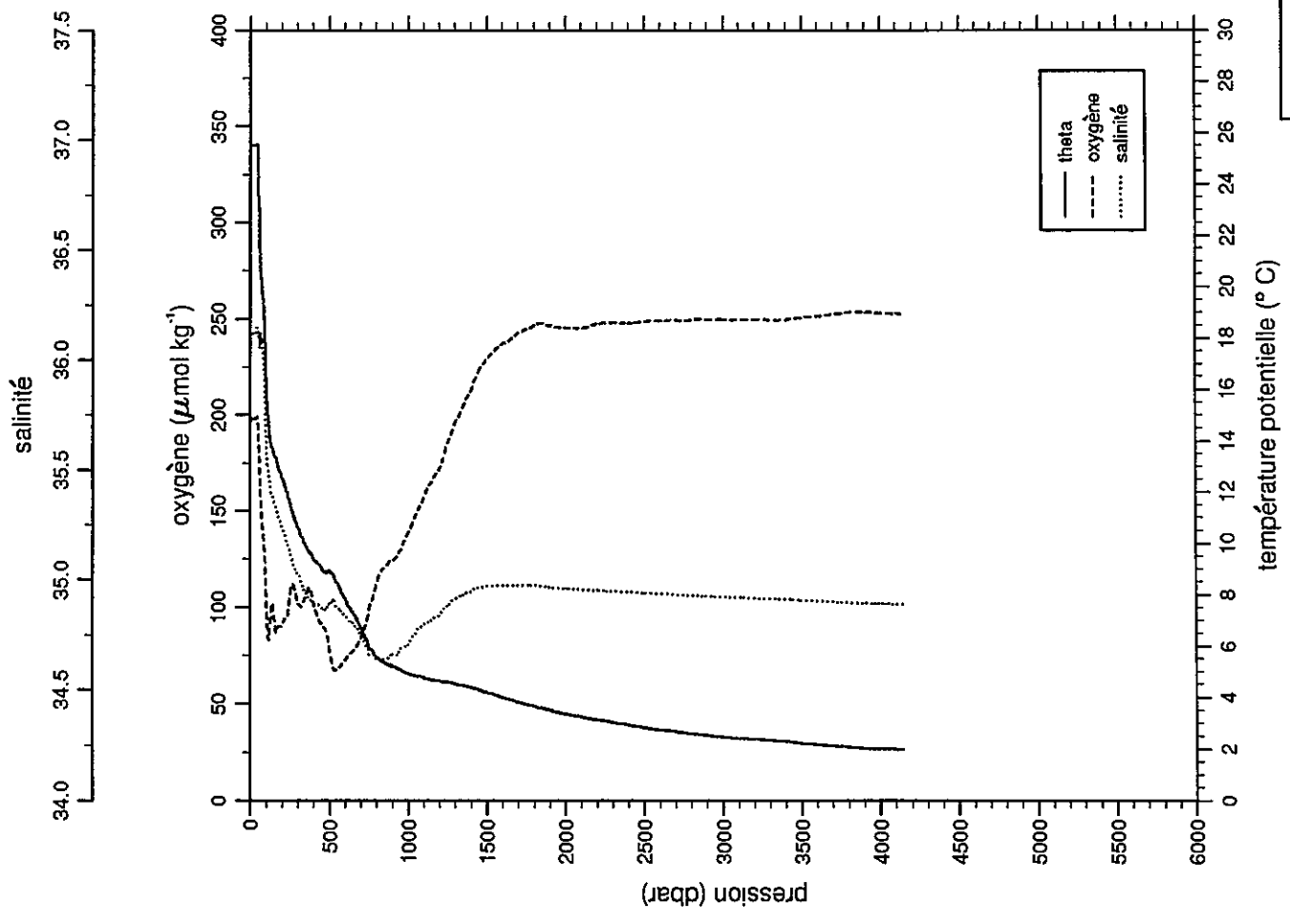
Station 168

Station	: 169	Campagne	: CITHER1
Date	: 26-02-93	Navire	: L'ATALANTE
Profondeur:	4748 m	Organisme	: IFREMER
Position	: N 7 26.95		
	W 28 40.16		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.332	35.920	205.6	25.332	2850.	2.793	34.927	248.5	2.563
2.	25.332	35.920	205.6	25.331	2900.	2.759	34.924	248.4	2.523
3.	25.332	35.920	204.6	25.331	2950.	2.746	34.923	247.9	2.506
4.	25.330	35.920	204.5	25.329	3000.	2.742	34.923	247.8	2.497
5.	25.329	35.920	204.6	25.328	3050.	2.706	34.920	248.1	2.457
10.	25.332	35.920	206.6	25.330	3100.	2.672	34.918	247.9	2.418
20.	25.335	35.920	208.4	25.330	3150.	2.657	34.917	248.8	2.398
30.	25.337	35.921	208.4	25.330	3200.	2.643	34.916	249.3	2.379
40.	25.338	35.922	208.0	25.329	3250.	2.626	34.915	249.5	2.358
50.	25.340	35.938	204.6	25.329	3300.	2.595	34.913	250.3	2.322
100.	15.104	35.560	108.3	15.089	3350.	2.564	34.910	250.8	2.286
150.	13.612	35.365	90.5	13.590	3400.	2.525	34.908	251.6	2.243
200.	12.841	35.272	92.2	12.813	3450.	2.504	34.907	251.9	2.216
250.	12.026	35.181	95.3	11.993	3500.	2.487	34.905	252.1	2.195
300.	11.057	35.082	86.5	11.019	3550.	2.440	34.901	252.6	2.143
350.	10.150	34.970	90.9	10.108	3600.	2.430	34.901	252.7	2.129
400.	9.623	34.929	93.4	9.578	3650.	2.409	34.899	253.0	2.103
450.	9.010	34.884	78.9	8.961	3700.	2.402	34.898	253.2	2.091
500.	8.619	34.845	81.1	8.566	3750.	2.396	34.896	253.3	2.079
550.	7.972	34.790	82.9	7.916	3800.	2.377	34.895	253.5	2.055
600.	7.589	34.763	86.9	7.528	3850.	2.369	34.894	253.6	2.042
650.	7.237	34.743	89.6	7.173	3900.	2.362	34.893	253.6	2.029
700.	6.835	34.729	83.3	6.768	3950.	2.352	34.892	253.4	2.013
750.	6.302	34.681	96.9	6.233	4000.	2.344	34.891	253.4	2.000
800.	5.791	34.651	110.4	5.720	4050.	2.339	34.890	253.1	1.990
850.	5.330	34.639	122.5	5.258	4100.	2.330	34.889	253.0	1.975
900.	5.127	34.651	133.7	5.052	4150.	2.324	34.888	253.1	1.964
950.	4.935	34.667	141.0	4.856	4200.	2.324	34.887	252.7	1.957
1000.	4.854	34.689	146.1	4.772	4250.	2.324	34.887	252.7	1.952
1050.	4.815	34.722	151.5	4.728	4300.	2.324	34.886	252.4	1.946
1100.	4.778	34.760	157.8	4.687	4350.	2.320	34.885	252.2	1.936
1150.	4.828	34.802	163.8	4.732	4400.	2.320	34.885	252.0	1.930
1200.	4.765	34.841	173.9	4.664	4450.	2.319	34.884	252.0	1.924
1250.	4.715	34.886	186.3	4.610	4500.	2.318	34.884	251.6	1.916
1300.	4.670	34.907	194.3	4.561	4550.	2.320	34.883	251.3	1.912
1350.	4.592	34.927	202.6	4.479	4600.	2.326	34.882	251.2	1.912
1400.	4.510	34.947	212.1	4.394	4650.	2.332	34.883	251.2	1.912
1450.	4.446	34.960	219.6	4.325	4700.	2.339	34.882	250.1	1.912
1500.	4.354	34.970	227.0	4.229	4726.	2.342	34.882	249.7	1.912
1550.	4.274	34.974	232.4	4.146					
1600.	4.215	34.974	234.4	4.083					
1650.	4.148	34.977	238.0	4.013					
1700.	4.036	34.976	241.3	3.896					
1750.	3.920	34.974	243.7	3.778					
1800.	3.792	34.972	246.9	3.647					
1850.	3.710	34.969	248.2	3.561					
1900.	3.650	34.968	249.4	3.497					
1950.	3.579	34.965	250.0	3.422					
2000.	3.478	34.961	249.9	3.318					
2050.	3.417	34.958	249.5	3.253					
2100.	3.368	34.956	249.8	3.200					
2150.	3.303	34.953	249.9	3.131					
2200.	3.248	34.950	249.7	3.073					
2250.	3.185	34.947	247.5	3.006					
2300.	3.114	34.945	248.4	2.931					
2350.	3.079	34.943	248.7	2.892					
2400.	3.052	34.942	248.7	2.860					
2450.	3.015	34.939	249.1	2.820					
2500.	2.987	34.938	249.7	2.787					
2550.	2.964	34.937	249.8	2.759					
2600.	2.933	34.935	249.9	2.724					
2650.	2.891	34.932	249.6	2.678					
2700.	2.870	34.931	249.6	2.652					
2750.	2.844	34.930	248.9	2.622					
2800.	2.819	34.928	248.8	2.593					



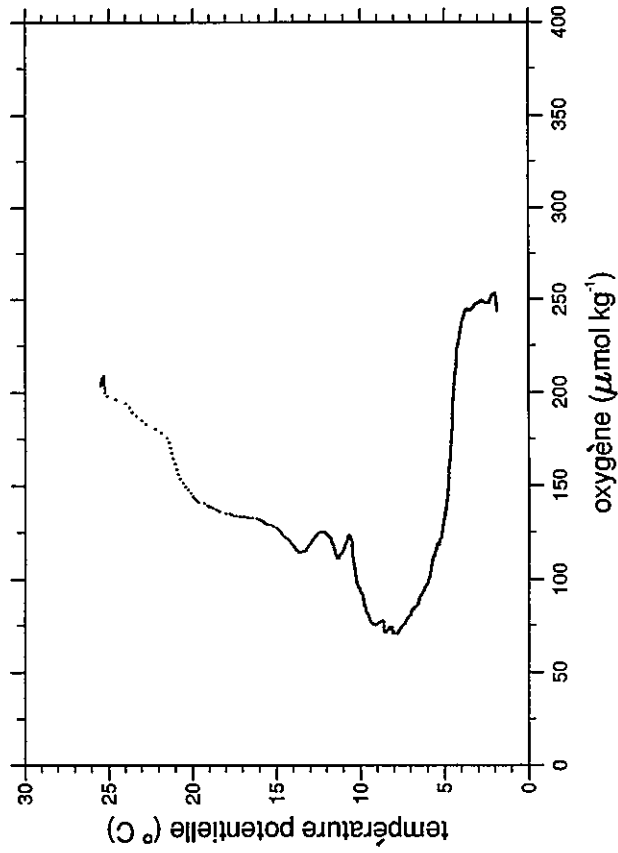
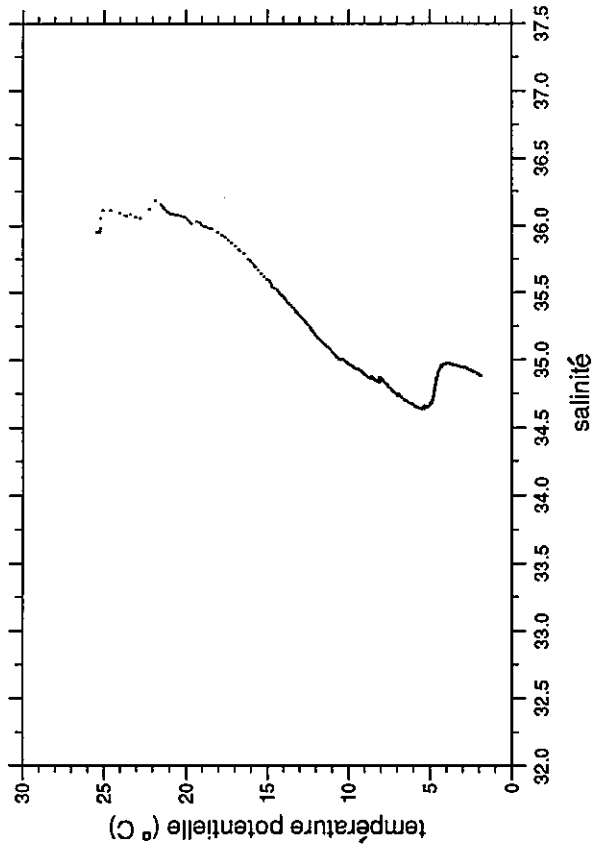
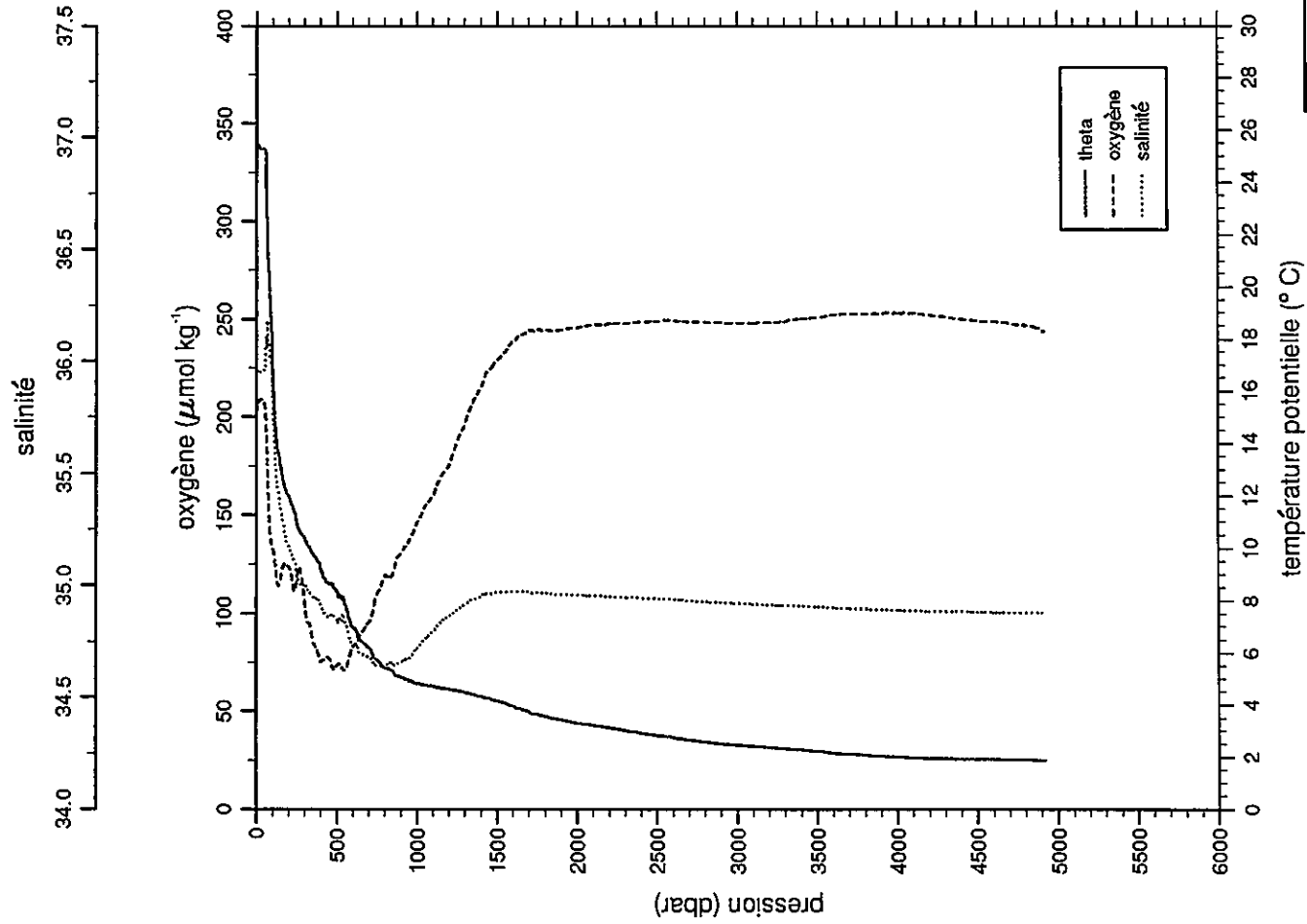
Station 169



Station 170

Station : 171	Campagne : CITHER1
Date : 26-02-93	Navire : L'ATALANTE
Profondeur: 4888 m	Organisme : IFREMER
Position : N 7 26.97	
	W 27 20.13

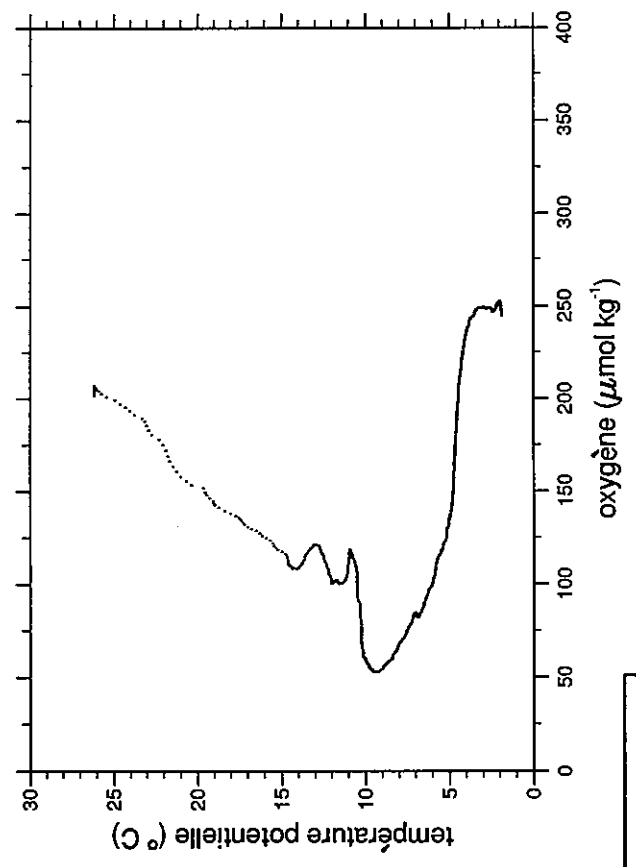
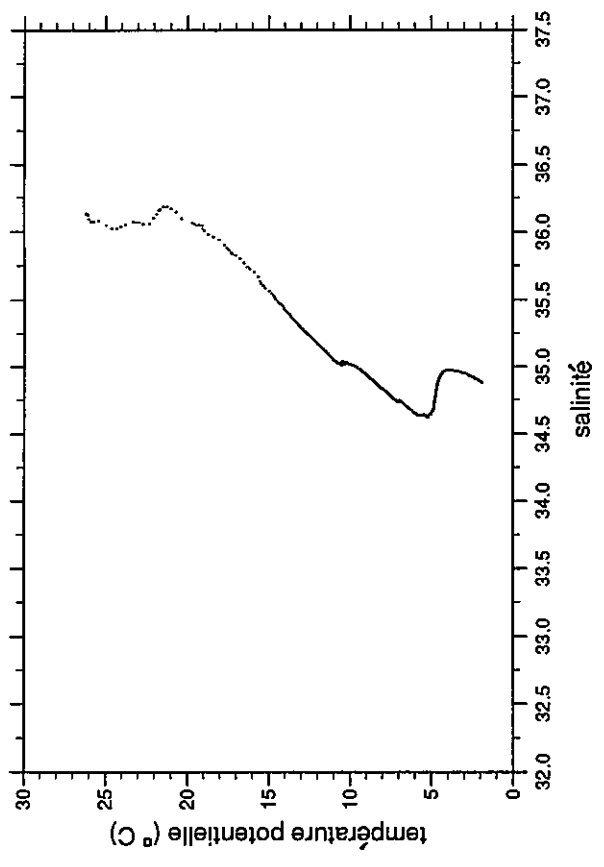
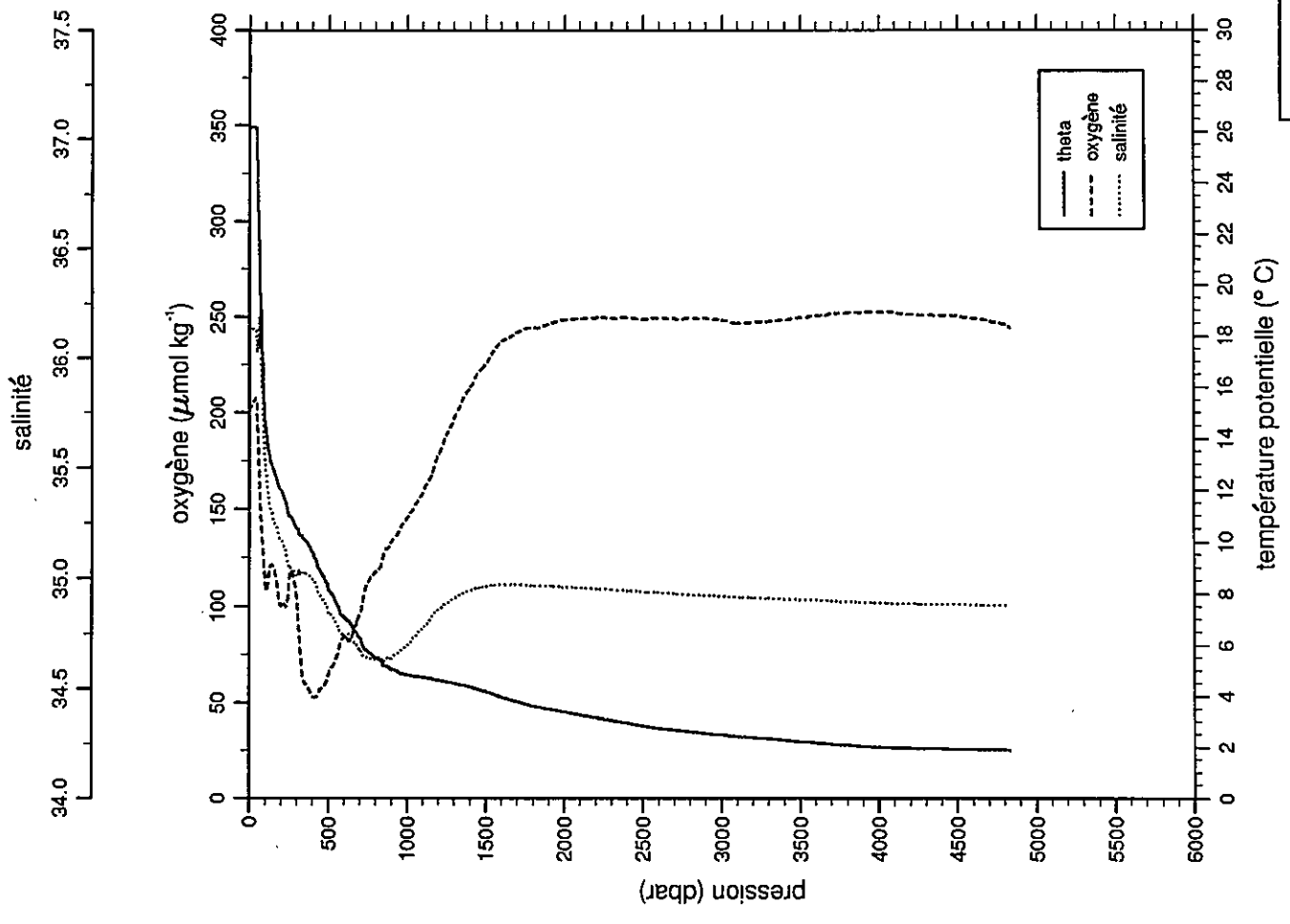
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.434	35.951	205.3	25.434	2850.	2.774	34.925	248.2	2.543
2.	25.434	35.951	203.9	25.433	2900.	2.755	34.923	248.1	2.520
3.	25.464	35.953	203.7	25.463	2950.	2.724	34.921	247.9	2.484
4.	25.456	35.951	203.9	25.455	3000.	2.704	34.920	247.8	2.460
5.	25.448	35.951	204.3	25.447	3050.	2.686	34.918	247.9	2.436
10.	25.423	35.951	206.4	25.421	3100.	2.670	34.917	247.8	2.416
20.	25.311	35.948	208.4	25.307	3150.	2.655	34.916	248.2	2.396
30.	25.291	35.954	208.6	25.285	3200.	2.633	34.915	248.3	2.369
40.	25.288	35.955	208.1	25.279	3250.	2.610	34.913	248.3	2.342
50.	25.282	35.957	206.0	25.271	3300.	2.593	34.912	248.8	2.320
100.	16.685	35.815	133.0	16.669	3350.	2.571	34.911	249.8	2.293
150.	13.123	35.342	117.8	13.103	3400.	2.553	34.909	250.2	2.270
200.	12.010	35.175	123.7	11.984	3450.	2.533	34.907	250.6	2.245
250.	11.002	35.054	116.8	10.971	3500.	2.518	34.907	251.0	2.225
300.	10.382	35.000	105.6	10.346	3550.	2.486	34.904	251.4	2.188
350.	9.818	34.954	86.9	9.777	3600.	2.447	34.901	252.3	2.145
400.	9.232	34.910	75.6	9.188	3650.	2.431	34.900	252.7	2.124
450.	8.692	34.859	77.6	8.643	3700.	2.413	34.898	252.7	2.101
500.	8.397	34.846	73.3	8.344	3750.	2.409	34.898	252.9	2.091
550.	7.948	34.848	70.8	7.892	3800.	2.393	34.896	252.8	2.071
600.	7.025	34.738	82.6	6.967	3850.	2.372	34.894	252.9	2.044
650.	6.535	34.697	90.1	6.475	3900.	2.368	34.893	253.0	2.034
700.	6.260	34.680	95.2	6.196	3950.	2.354	34.892	253.2	2.016
750.	5.798	34.644	109.4	5.732	4000.	2.342	34.890	253.3	1.998
800.	5.478	34.635	118.8	5.410	4050.	2.325	34.888	253.2	1.976
850.	5.362	34.657	120.0	5.290	4100.	2.322	34.888	253.0	1.968
900.	5.135	34.661	130.5	5.059	4150.	2.317	34.888	252.7	1.957
950.	5.002	34.678	136.8	4.923	4200.	2.312	34.886	252.2	1.946
1000.	4.892	34.714	145.9	4.809	4250.	2.311	34.885	251.5	1.940
1050.	4.840	34.761	154.3	4.753	4300.	2.313	34.885	251.3	1.935
1100.	4.809	34.791	160.1	4.718	4350.	2.310	34.885	250.6	1.927
1150.	4.728	34.831	169.7	4.633	4400.	2.309	34.884	250.2	1.920
1200.	4.702	34.863	175.1	4.602	4450.	2.312	34.883	249.6	1.917
1250.	4.645	34.891	187.3	4.541	4500.	2.316	34.883	249.1	1.914
1300.	4.588	34.915	196.8	4.480	4550.	2.320	34.883	249.0	1.912
1350.	4.503	34.938	207.9	4.391	4600.	2.322	34.882	248.9	1.908
1400.	4.426	34.949	214.9	4.310	4650.	2.323	34.881	248.5	1.903
1450.	4.362	34.963	223.9	4.243	4700.	2.319	34.881	247.8	1.893
1500.	4.261	34.967	229.1	4.138	4750.	2.320	34.881	247.1	1.888
1550.	4.181	34.970	233.2	4.054	4800.	2.323	34.880	246.8	1.885
1600.	4.060	34.973	238.8	3.930	4850.	2.323	34.879	246.2	1.878
1650.	3.973	34.973	242.0	3.839	4900.	2.326	34.879	244.4	1.875
1700.	3.865	34.970	244.2	3.728	4919.	2.328	34.879	243.6	1.875
1750.	3.782	34.968	244.6	3.642					
1800.	3.716	34.964	244.2	3.571					
1850.	3.636	34.962	244.1	3.488					
1900.	3.583	34.959	244.3	3.431					
1950.	3.518	34.958	245.2	3.362					
2000.	3.447	34.955	245.5	3.288					
2050.	3.416	34.955	246.4	3.253					
2100.	3.371	34.953	246.7	3.203					
2150.	3.338	34.952	247.1	3.166					
2200.	3.304	34.951	247.6	3.128					
2250.	3.249	34.949	247.9	3.069					
2300.	3.206	34.946	247.6	3.022					
2350.	3.162	34.946	248.2	2.974					
2400.	3.110	34.944	248.6	2.918					
2450.	3.073	34.942	248.8	2.876					
2500.	3.028	34.940	249.1	2.827					
2550.	3.006	34.939	249.6	2.801					
2600.	2.964	34.936	249.1	2.755					
2650.	2.927	34.934	248.7	2.714					
2700.	2.878	34.931	248.5	2.661					
2750.	2.843	34.929	248.6	2.622					
2800.	2.802	34.927	248.5	2.576					



Station 171

Station	: 172	Campagne	: CITHER1
Date	: 27-02-93	Navire	: L'ATALANTE
Profondeur	: 4800 m	Organisme	: IFREMER
Position	: N 7 26.94		
	W 26 40.00		

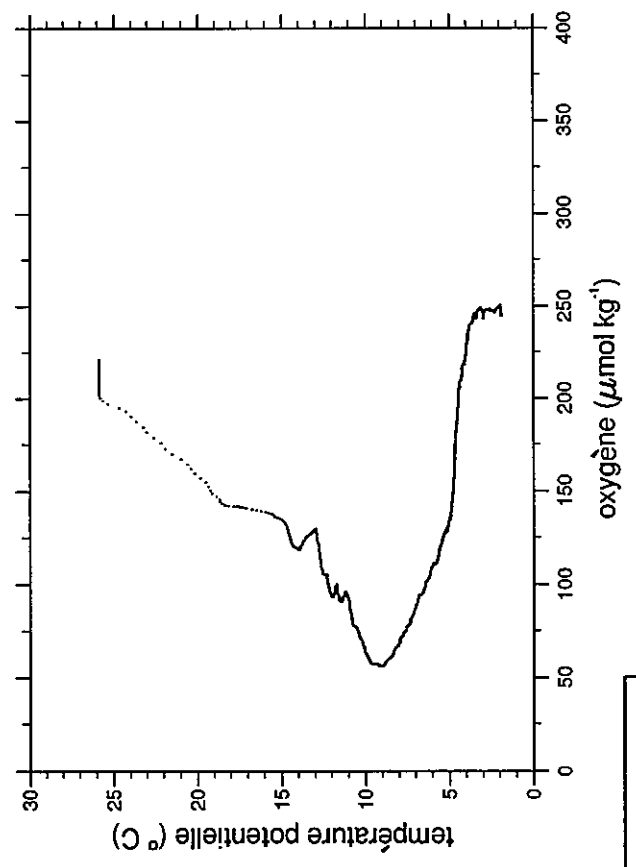
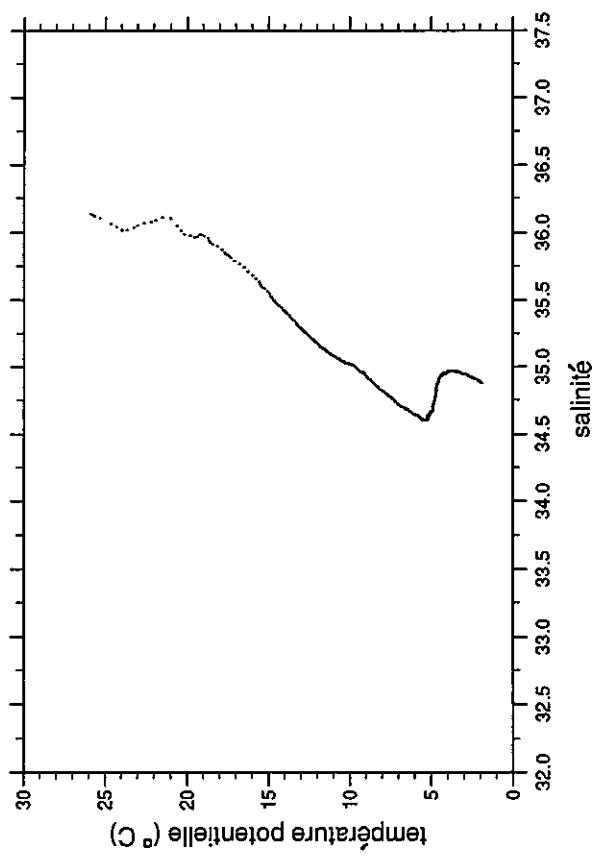
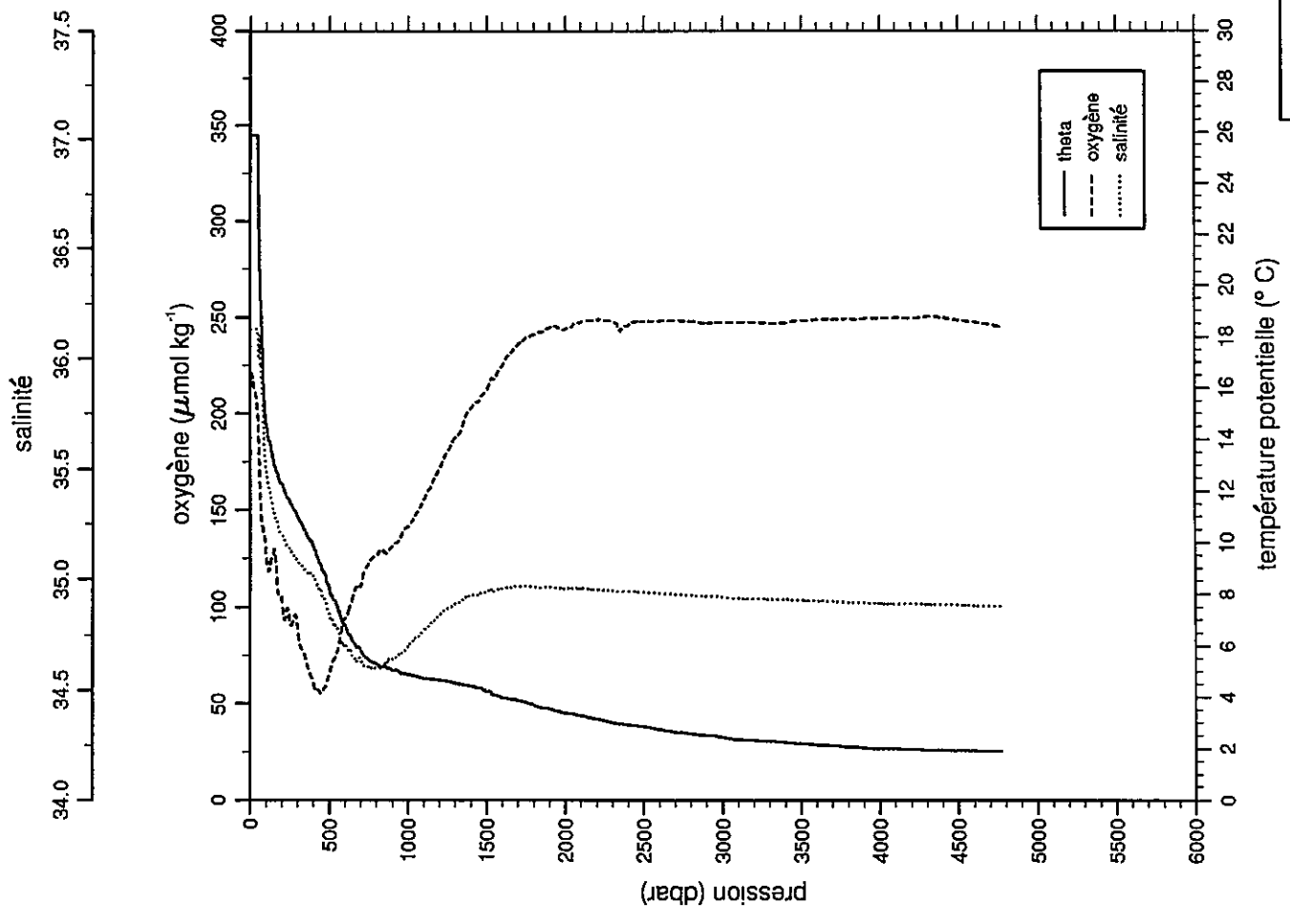
PRESSION	TEMPERA-TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA-TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.176	36.135	202.5	26.176	2850.	2.800	34.927	249.0	2.569
2.	26.176	36.135	202.5	26.176	2900.	2.767	34.925	249.1	2.531
3.	26.176	36.135	201.7	26.176	2950.	2.739	34.924	248.6	2.499
4.	26.170	36.135	202.1	26.169	3000.	2.712	34.921	248.2	2.467
5.	26.173	36.135	202.3	26.172	3050.	2.693	34.920	247.5	2.444
10.	26.178	36.135	202.9	26.176	3100.	2.669	34.918	246.8	2.415
20.	26.184	36.134	204.9	26.179	3150.	2.648	34.917	246.8	2.390
30.	26.187	36.134	206.1	26.180	3200.	2.634	34.915	247.1	2.370
40.	26.180	36.131	207.0	26.171	3250.	2.619	34.914	247.4	2.350
50.	24.303	36.026	195.3	24.292	3300.	2.604	34.913	247.5	2.331
100.	14.617	35.510	110.9	14.602	3350.	2.581	34.911	247.9	2.303
150.	12.795	35.268	120.9	12.774	3400.	2.554	34.909	248.1	2.271
200.	12.019	35.175	100.3	11.993	3450.	2.526	34.907	248.9	2.238
250.	11.037	35.054	111.9	11.006	3500.	2.506	34.906	249.5	2.213
300.	10.536	35.017	102.7	10.500	3550.	2.497	34.905	249.8	2.199
350.	10.080	35.018	60.3	10.039	3600.	2.486	34.904	250.4	2.183
400.	9.599	34.996	53.3	9.553	3650.	2.457	34.902	250.4	2.150
450.	8.880	34.923	56.7	8.831	3700.	2.437	34.901	251.5	2.124
500.	8.201	34.846	64.4	8.149	3750.	2.420	34.898	251.7	2.102
550.	7.705	34.801	72.5	7.649	3800.	2.405	34.897	252.0	2.082
600.	7.126	34.741	83.8	7.068	3850.	2.394	34.895	252.2	2.066
650.	6.806	34.729	84.3	6.744	3900.	2.374	34.894	252.3	2.041
700.	6.322	34.683	95.8	6.258	3950.	2.363	34.893	252.4	2.024
750.	5.804	34.636	112.0	5.738	4000.	2.348	34.891	252.5	2.004
800.	5.561	34.634	117.5	5.491	4050.	2.338	34.890	252.7	1.988
850.	5.250	34.619	126.4	5.178	4100.	2.325	34.888	252.2	1.970
900.	5.104	34.638	133.3	5.029	4150.	2.322	34.888	251.4	1.962
950.	4.995	34.668	138.8	4.916	4200.	2.320	34.887	251.3	1.954
1000.	4.908	34.697	145.3	4.825	4250.	2.317	34.886	251.0	1.945
1050.	4.869	34.738	151.7	4.782	4300.	2.317	34.886	250.8	1.939
1100.	4.833	34.775	158.4	4.742	4350.	2.319	34.885	250.6	1.936
1150.	4.802	34.820	166.3	4.706	4400.	2.320	34.885	250.5	1.930
1200.	4.727	34.859	178.2	4.628	4450.	2.323	34.885	250.6	1.927
1250.	4.666	34.890	188.0	4.562	4500.	2.322	34.884	250.4	1.921
1300.	4.608	34.911	197.0	4.500	4550.	2.321	34.884	249.5	1.913
1350.	4.529	34.933	206.1	4.417	4600.	2.320	34.882	249.1	1.907
1400.	4.471	34.946	212.7	4.355	4650.	2.320	34.881	248.6	1.900
1450.	4.380	34.958	220.7	4.260	4700.	2.319	34.881	247.8	1.893
1500.	4.312	34.963	225.1	4.188	4750.	2.319	34.880	247.0	1.887
1550.	4.209	34.972	232.1	4.081	4800.	2.322	34.880	246.2	1.883
1600.	4.106	34.974	236.8	3.975	4835.	2.315	34.880	244.4	1.872
1650.	4.024	34.973	239.1	3.890					
1700.	3.945	34.973	241.9	3.807					
1750.	3.839	34.971	243.8	3.698					
1800.	3.771	34.969	244.3	3.625					
1850.	3.703	34.966	244.8	3.554					
1900.	3.653	34.966	246.1	3.500					
1950.	3.599	34.965	247.3	3.442					
2000.	3.540	34.963	248.3	3.379					
2050.	3.480	34.961	248.6	3.315					
2100.	3.426	34.958	249.1	3.257					
2150.	3.384	34.957	249.1	3.212					
2200.	3.327	34.954	249.3	3.151					
2250.	3.282	34.953	249.4	3.101					
2300.	3.227	34.950	249.2	3.042					
2350.	3.191	34.948	249.4	3.002					
2400.	3.144	34.946	249.4	2.951					
2450.	3.078	34.944	248.9	2.881					
2500.	3.041	34.942	248.7	2.841					
2550.	2.990	34.939	249.0	2.785					
2600.	2.952	34.937	249.3	2.743					
2650.	2.925	34.936	249.0	2.712					
2700.	2.888	34.933	249.0	2.671					
2750.	2.858	34.931	248.7	2.636					
2800.	2.819	34.929	249.2	2.592					



Station 172

Station : 173	Campagne : CITHER1
Date : 27-02-93	Navire : L'ATALANTE
Profondeur: 4748 m	Organisme : IFREMER
Position : N 7 26.99	
W 26 0.00	

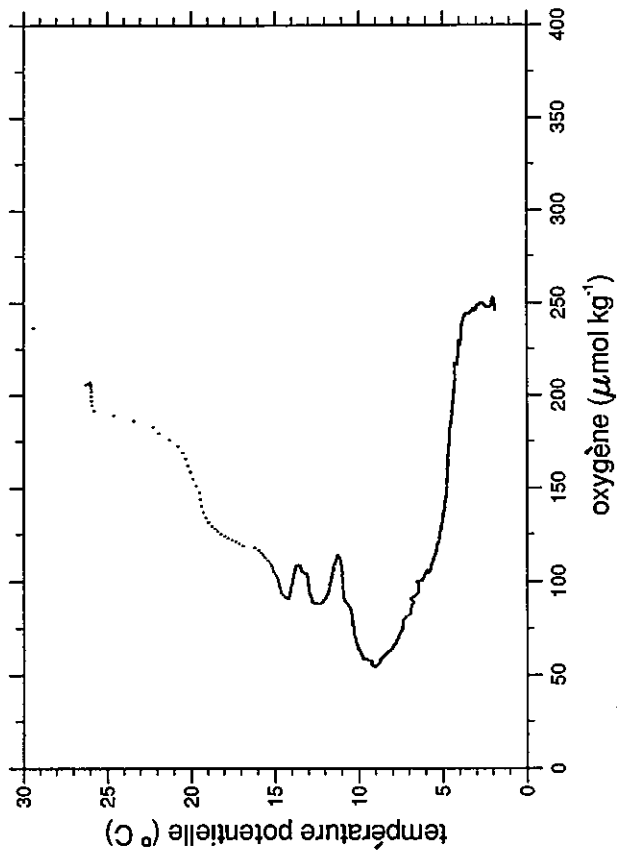
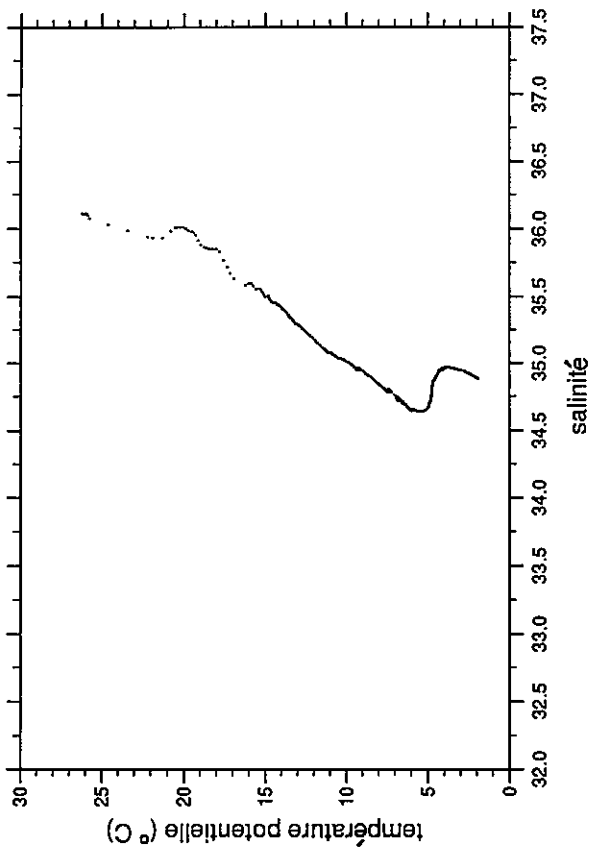
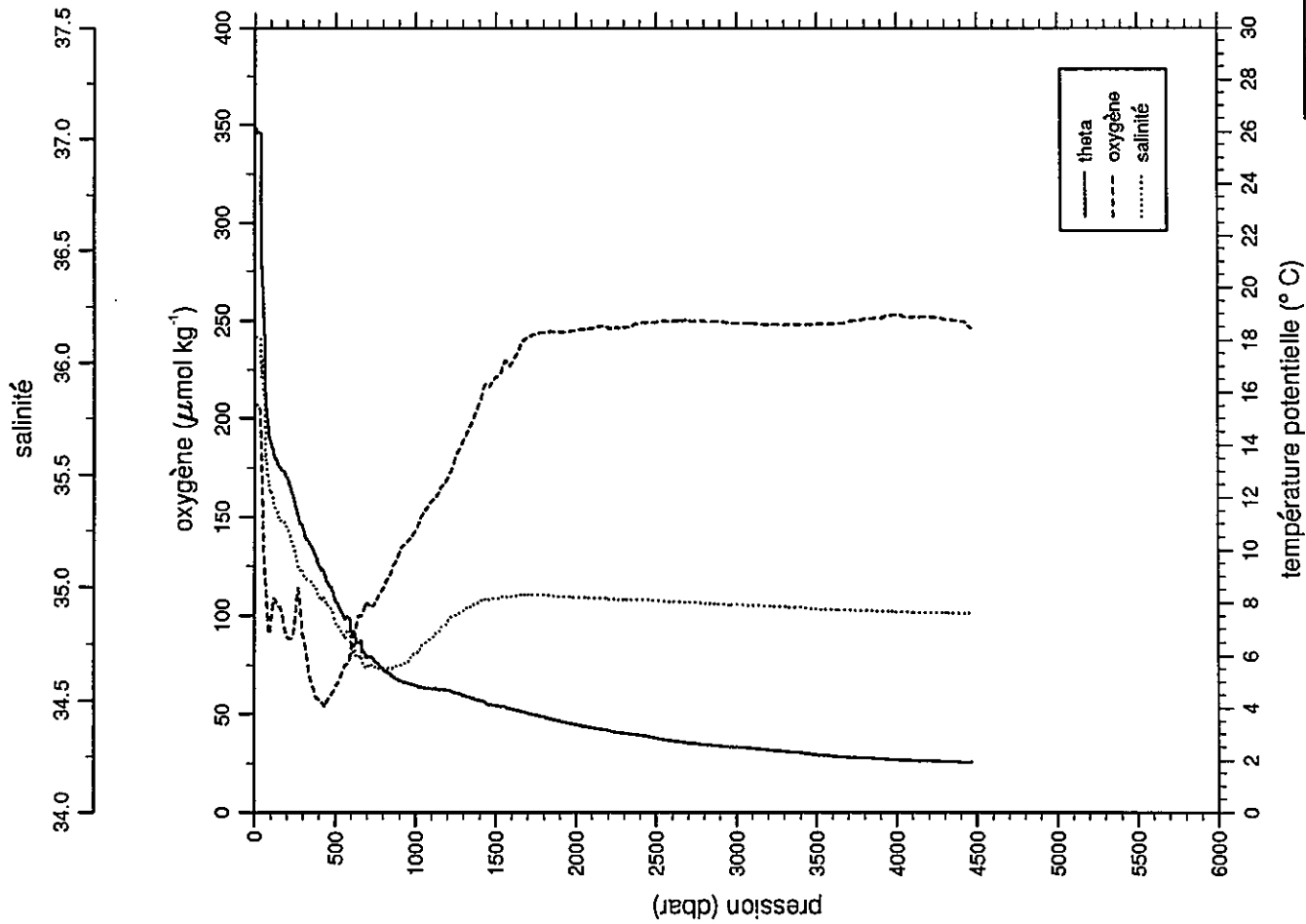
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.861	36.133	221.2	25.861	2850.	2.764	34.925	247.2	2.533
2.	25.861	36.133	216.6	25.860	2900.	2.740	34.923	247.1	2.505
3.	25.848	36.134	215.3	25.847	2950.	2.727	34.922	247.2	2.487
4.	25.854	36.133	217.9	25.853	3000.	2.673	34.919	247.2	2.429
5.	25.860	36.134	219.8	25.859	3050.	2.622	34.915	247.3	2.375
10.	25.864	36.133	220.4	25.861	3100.	2.605	34.914	247.3	2.353
20.	25.863	36.134	216.5	25.859	3150.	2.586	34.912	247.4	2.329
30.	25.865	36.134	210.2	25.858	3200.	2.583	34.912	247.3	2.320
40.	25.863	36.133	206.5	25.854	3250.	2.580	34.911	247.2	2.313
50.	24.295	36.036	192.8	24.285	3300.	2.551	34.909	246.7	2.279
100.	14.574	35.488	126.7	14.559	3350.	2.541	34.909	246.8	2.263
150.	13.016	35.292	129.2	12.995	3400.	2.535	34.908	247.1	2.253
200.	12.308	35.206	103.0	12.281	3450.	2.501	34.905	247.9	2.214
250.	11.604	35.134	92.8	11.572	3500.	2.488	34.904	248.2	2.196
300.	10.978	35.081	89.2	10.941	3550.	2.471	34.903	248.4	2.174
350.	10.430	35.039	73.2	10.388	3600.	2.449	34.901	248.8	2.147
400.	9.869	35.010	60.4	9.823	3650.	2.441	34.900	249.0	2.133
450.	9.085	34.944	55.8	9.035	3700.	2.426	34.899	249.0	2.113
500.	8.263	34.845	65.7	8.210	3750.	2.404	34.896	249.0	2.087
550.	7.615	34.781	76.5	7.560	3800.	2.386	34.895	249.1	2.064
600.	6.844	34.704	94.2	6.787	3850.	2.385	34.894	249.0	2.057
650.	6.225	34.654	105.3	6.167	3900.	2.371	34.893	249.4	2.038
700.	5.880	34.635	110.9	5.818	3950.	2.345	34.891	249.5	2.006
750.	5.526	34.604	122.4	5.462	4000.	2.334	34.890	249.2	1.990
800.	5.380	34.603	126.6	5.312	4050.	2.337	34.889	249.5	1.988
850.	5.285	34.620	128.3	5.214	4100.	2.338	34.889	249.8	1.983
900.	5.129	34.640	131.5	5.054	4150.	2.335	34.888	249.6	1.974
950.	5.041	34.659	135.3	4.962	4200.	2.338	34.888	249.6	1.972
1000.	4.958	34.695	141.3	4.875	4250.	2.331	34.887	249.8	1.958
1050.	4.896	34.739	147.7	4.809	4300.	2.328	34.887	250.4	1.950
1100.	4.827	34.768	155.1	4.735	4350.	2.327	34.886	250.4	1.943
1150.	4.784	34.803	163.5	4.688	4400.	2.324	34.885	249.8	1.934
1200.	4.766	34.839	171.5	4.666	4450.	2.321	34.884	249.2	1.926
1250.	4.720	34.868	180.4	4.616	4500.	2.322	34.884	248.6	1.920
1300.	4.655	34.890	187.5	4.546	4550.	2.317	34.884	248.0	1.909
1350.	4.603	34.909	194.4	4.490	4600.	2.319	34.882	247.6	1.905
1400.	4.560	34.924	202.6	4.443	4650.	2.316	34.881	247.0	1.896
1450.	4.493	34.935	206.4	4.372	4700.	2.316	34.881	246.3	1.890
1500.	4.361	34.942	212.3	4.237	4750.	2.320	34.880	245.3	1.887
1550.	4.204	34.947	218.0	4.077	4774.	2.318	34.880	244.4	1.883
1600.	4.112	34.956	225.0	3.982					
1650.	4.046	34.963	231.1	3.912					
1700.	4.000	34.967	236.0	3.861					
1750.	3.932	34.968	239.4	3.789					
1800.	3.831	34.964	240.9	3.685					
1850.	3.724	34.963	242.2	3.574					
1900.	3.683	34.964	244.5	3.530					
1950.	3.610	34.960	244.8	3.453					
2000.	3.542	34.958	243.6	3.381					
2050.	3.506	34.961	246.0	3.341					
2100.	3.442	34.958	247.4	3.273					
2150.	3.372	34.955	248.2	3.199					
2200.	3.332	34.954	248.8	3.156					
2250.	3.270	34.950	248.4	3.090					
2300.	3.203	34.947	247.8	3.019					
2350.	3.152	34.945	243.0	2.964					
2400.	3.120	34.944	245.7	2.927					
2450.	3.096	34.944	247.7	2.900					
2500.	3.051	34.942	247.8	2.850					
2550.	3.000	34.939	247.7	2.795					
2600.	2.950	34.937	248.0	2.741					
2650.	2.900	34.934	248.0	2.687					
2700.	2.848	34.930	248.1	2.631					
2750.	2.834	34.929	248.0	2.612					
2800.	2.796	34.927	247.9	2.571					



Station 173

Station : 174	Campagne : CITHER1
Date : 27-02-93	Navire : L'ATALANTE
Profondeur: 4428 m	Organisme : IFREMER
Position : N 7 27.00	
	W 25 20.09

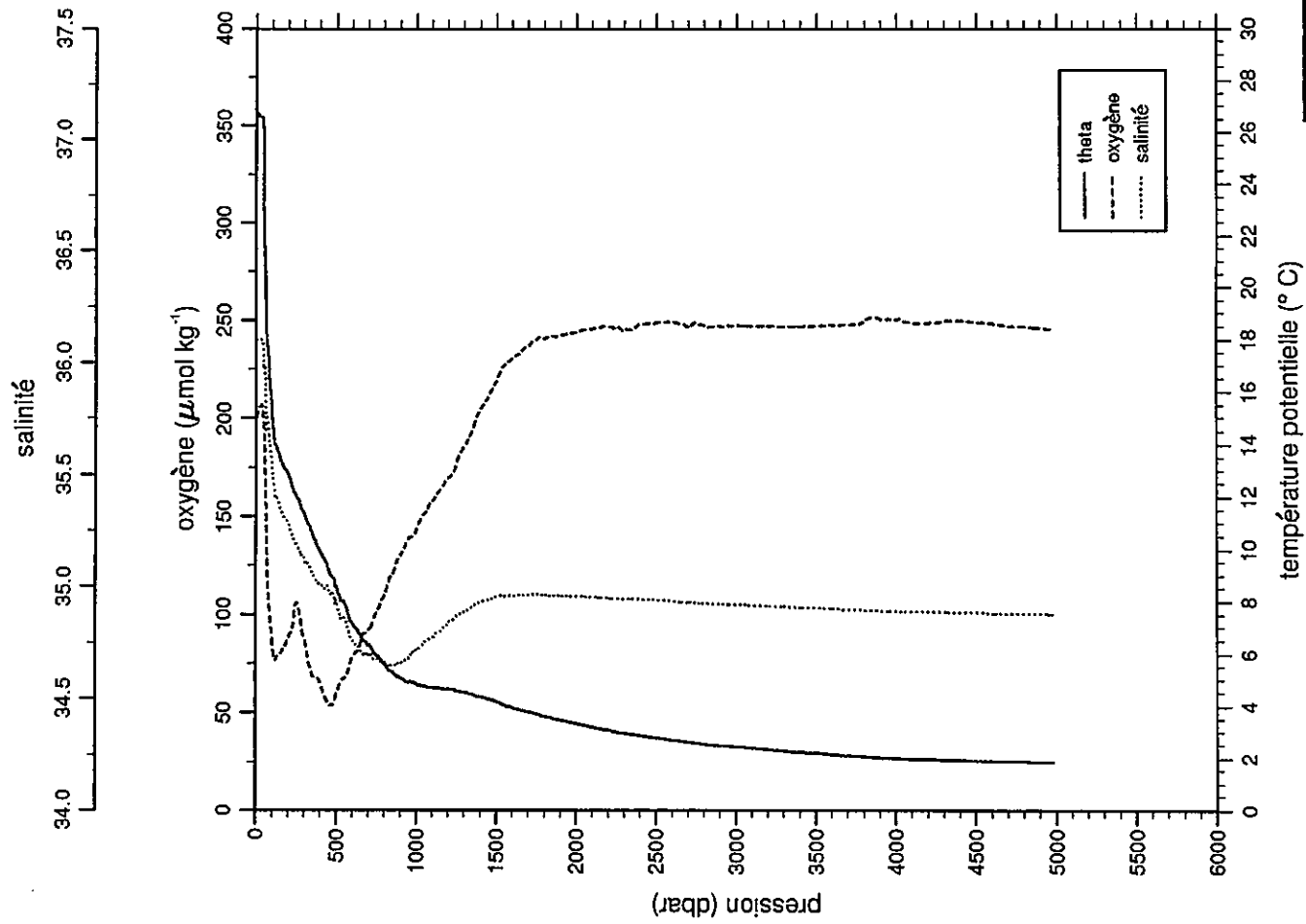
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.054	36.111	206.9	26.054	2850.	2.791	34.927	249.6	2.561
2.	26.054	36.111	205.8	26.053	2900.	2.775	34.926	249.3	2.539
3.	26.230	36.115	205.8	26.229	2950.	2.745	34.924	248.8	2.505
4.	26.170	36.111	206.0	26.169	3000.	2.732	34.922	248.6	2.487
5.	26.100	36.109	206.5	26.099	3050.	2.720	34.921	248.6	2.470
10.	25.999	36.112	207.2	25.997	3100.	2.700	34.919	248.5	2.445
20.	25.975	36.113	206.9	25.970	3150.	2.669	34.918	248.0	2.410
30.	25.964	36.113	206.1	25.957	3200.	2.647	34.916	247.9	2.383
40.	23.427	35.985	186.1	23.419	3250.	2.622	34.914	247.9	2.354
50.	19.714	35.986	151.2	19.705	3300.	2.609	34.913	247.7	2.335
100.	14.098	35.429	95.9	14.084	3350.	2.588	34.912	247.9	2.310
150.	13.209	35.306	104.4	13.188	3400.	2.559	34.910	248.0	2.276
200.	12.793	35.267	89.1	12.766	3450.	2.533	34.907	247.8	2.245
250.	11.787	35.151	97.4	11.755	3500.	2.494	34.904	248.1	2.202
300.	10.827	35.063	89.4	10.790	3550.	2.475	34.903	248.2	2.177
350.	10.180	35.023	66.8	10.139	3600.	2.458	34.902	248.4	2.156
400.	9.454	34.959	57.6	9.409	3650.	2.443	34.900	248.6	2.136
450.	8.810	34.917	56.8	8.761	3700.	2.429	34.899	249.2	2.117
500.	8.150	34.850	63.6	8.098	3750.	2.418	34.898	250.0	2.100
550.	7.601	34.794	72.7	7.546	3800.	2.408	34.896	250.7	2.085
600.	6.990	34.738	83.7	6.933	3850.	2.401	34.896	251.0	2.073
650.	6.535	34.692	99.9	6.475	3900.	2.388	34.894	251.2	2.055
700.	6.015	34.651	106.1	5.952	3950.	2.364	34.893	252.4	2.025
750.	5.813	34.648	106.4	5.747	4000.	2.351	34.892	253.0	2.007
800.	5.544	34.643	114.0	5.475	4050.	2.342	34.890	251.9	1.993
850.	5.318	34.642	122.4	5.246	4100.	2.335	34.889	251.7	1.980
900.	5.129	34.654	131.7	5.053	4150.	2.332	34.888	251.7	1.972
950.	5.039	34.670	137.5	4.960	4200.	2.331	34.888	251.7	1.965
1000.	4.952	34.708	143.0	4.869	4250.	2.330	34.887	251.5	1.957
1050.	4.868	34.752	152.1	4.781	4300.	2.325	34.886	250.5	1.947
1100.	4.822	34.772	158.0	4.731	4350.	2.325	34.886	250.0	1.941
1150.	4.788	34.808	163.8	4.692	4400.	2.316	34.885	249.5	1.927
1200.	4.771	34.854	169.6	4.670	4450.	2.306	34.884	247.1	1.910
1250.	4.675	34.876	180.8	4.571	4467.	2.308	34.884	246.1	1.910
1300.	4.586	34.898	189.2	4.478					
1350.	4.498	34.916	197.5	4.386					
1400.	4.402	34.934	207.9	4.287					
1450.	4.269	34.942	216.3	4.151					
1500.	4.216	34.950	221.0	4.094					
1550.	4.208	34.963	228.4	4.080					
1600.	4.077	34.958	228.4	3.947					
1650.	4.017	34.967	236.5	3.883					
1700.	3.933	34.968	241.2	3.795					
1750.	3.863	34.967	242.7	3.721					
1800.	3.797	34.965	243.7	3.651					
1850.	3.708	34.962	244.1	3.560					
1900.	3.644	34.961	244.2	3.491					
1950.	3.575	34.958	244.4	3.419					
2000.	3.516	34.957	244.8	3.355					
2050.	3.470	34.955	245.5	3.305					
2100.	3.409	34.953	246.0	3.240					
2150.	3.368	34.953	247.0	3.195					
2200.	3.317	34.950	246.4	3.141					
2250.	3.244	34.947	246.2	3.064					
2300.	3.213	34.946	246.3	3.029					
2350.	3.180	34.946	247.2	2.992					
2400.	3.151	34.945	248.6	2.958					
2450.	3.114	34.945	249.0	2.917					
2500.	3.044	34.942	249.2	2.843					
2550.	2.973	34.939	249.8	2.769					
2600.	2.939	34.937	249.6	2.730					
2650.	2.904	34.935	250.1	2.691					
2700.	2.870	34.934	249.9	2.653					
2750.	2.844	34.932	249.8	2.622					
2800.	2.817	34.930	249.8	2.590					



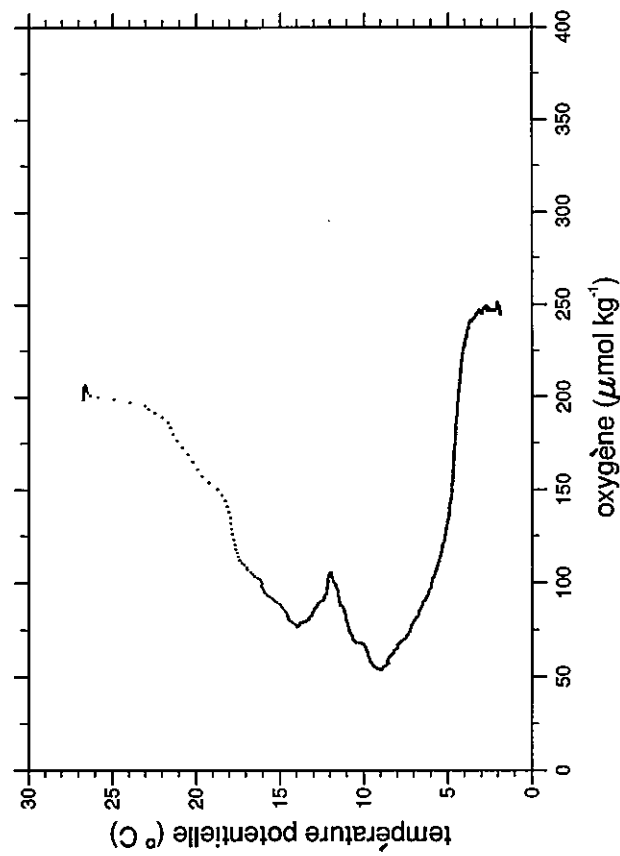
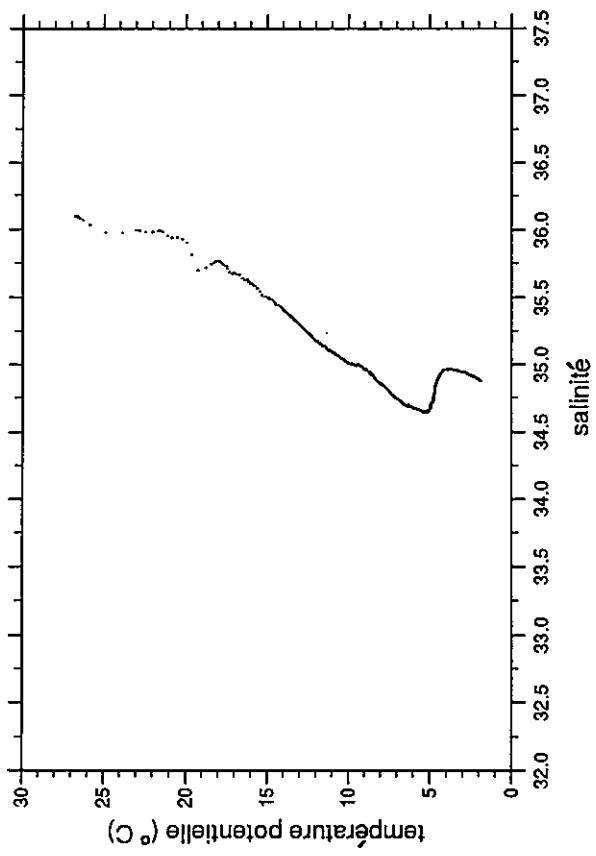
Station 174

Station : 175 Campagne : CITHERR1
 Date : 27-02-93 Navire : L'ATALANTE
 Profondeur: 4947 m Organisme : IFREMER
 Position : N 7 35.02
 W 24 40.00

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.720	36.100	201.9	26.720	2850.	2.727	34.922	246.7	2.498
2.	26.720	36.100	199.4	26.720	2900.	2.711	34.922	246.9	2.477
3.	26.727	36.100	198.5	26.726	2950.	2.693	34.921	247.1	2.454
4.	26.727	36.099	199.2	26.726	3000.	2.674	34.919	247.4	2.430
5.	26.727	36.100	200.3	26.726	3050.	2.664	34.917	247.0	2.416
10.	26.710	36.099	203.2	26.708	3100.	2.634	34.916	247.1	2.381
20.	26.624	36.097	205.9	26.620	3150.	2.613	34.914	247.1	2.355
30.	26.602	36.098	206.2	26.596	3200.	2.597	34.913	246.9	2.334
40.	26.581	36.097	205.4	26.572	3250.	2.573	34.911	246.9	2.305
50.	22.454	35.979	191.5	22.444	3300.	2.549	34.909	246.7	2.277
100.	14.951	35.499	87.7	14.936	3350.	2.524	34.907	246.8	2.247
150.	13.476	35.348	79.7	13.454	3400.	2.516	34.907	246.5	2.234
200.	12.859	35.279	87.5	12.831	3450.	2.499	34.906	246.9	2.212
250.	12.053	35.185	105.6	12.020	3500.	2.493	34.905	247.0	2.201
300.	11.391	35.123	87.5	11.353	3550.	2.469	34.903	247.1	2.172
350.	10.641	35.063	69.4	10.598	3600.	2.449	34.901	247.4	2.147
400.	9.933	35.006	65.1	9.887	3650.	2.429	34.899	247.4	2.122
450.	9.320	34.989	55.0	9.269	3700.	2.418	34.898	247.6	2.106
500.	8.657	34.939	58.9	8.603	3750.	2.403	34.896	247.8	2.086
550.	8.048	34.863	67.2	7.991	3800.	2.387	34.896	249.6	2.065
600.	7.217	34.758	77.6	7.159	3850.	2.373	34.895	251.1	2.046
650.	6.790	34.720	84.4	6.728	3900.	2.358	34.892	250.4	2.025
700.	6.381	34.688	91.6	6.317	3950.	2.355	34.892	250.4	2.017
750.	5.995	34.672	100.6	5.928	4000.	2.341	34.891	250.2	1.997
800.	5.688	34.663	109.5	5.618	4050.	2.332	34.889	249.2	1.983
850.	5.406	34.652	120.6	5.333	4100.	2.329	34.888	248.5	1.974
900.	5.152	34.654	130.0	5.077	4150.	2.325	34.888	248.3	1.965
950.	4.988	34.679	138.7	4.909	4200.	2.327	34.888	248.3	1.961
1000.	4.935	34.715	143.1	4.852	4250.	2.327	34.887	248.7	1.954
1050.	4.854	34.747	151.4	4.767	4300.	2.327	34.887	249.4	1.949
1100.	4.793	34.770	157.9	4.702	4350.	2.325	34.886	249.4	1.941
1150.	4.763	34.799	163.8	4.667	4400.	2.324	34.885	249.5	1.934
1200.	4.744	34.832	169.5	4.644	4450.	2.321	34.885	249.1	1.925
1250.	4.680	34.868	177.3	4.576	4500.	2.319	34.884	248.6	1.917
1300.	4.633	34.886	185.5	4.525	4550.	2.321	34.884	248.5	1.913
1350.	4.561	34.906	194.4	4.449	4600.	2.319	34.882	248.2	1.905
1400.	4.454	34.928	204.9	4.338	4650.	2.319	34.881	247.5	1.899
1450.	4.385	34.941	211.1	4.265	4700.	2.316	34.881	246.8	1.890
1500.	4.308	34.952	219.4	4.184	4750.	2.318	34.880	246.7	1.886
1550.	4.169	34.958	227.0	4.042	4800.	2.320	34.880	246.5	1.882
1600.	4.086	34.960	231.0	3.956	4850.	2.320	34.880	246.1	1.876
1650.	4.006	34.962	233.7	3.872	4900.	2.325	34.879	246.0	1.874
1700.	3.920	34.963	236.8	3.782	4950.	2.324	34.878	245.4	1.867
1750.	3.853	34.964	240.1	3.712	4981.	2.325	34.878	244.4	1.864
1800.	3.759	34.960	240.5	3.614					
1850.	3.685	34.959	241.7	3.536					
1900.	3.618	34.958	242.3	3.465					
1950.	3.558	34.957	243.2	3.402					
2000.	3.497	34.956	243.7	3.337					
2050.	3.430	34.954	245.1	3.267					
2100.	3.368	34.953	245.7	3.201					
2150.	3.312	34.951	246.3	3.140					
2200.	3.264	34.950	246.7	3.088					
2250.	3.207	34.948	245.9	3.027					
2300.	3.148	34.945	245.0	2.965					
2350.	3.113	34.944	245.0	2.926					
2400.	3.084	34.944	247.8	2.893					
2450.	3.036	34.942	248.4	2.840					
2500.	3.004	34.941	248.7	2.804					
2550.	2.958	34.938	249.0	2.754					
2600.	2.907	34.935	249.1	2.699					
2650.	2.877	34.932	248.3	2.665					
2700.	2.840	34.930	246.5	2.623					
2750.	2.796	34.928	248.4	2.575					
2800.	2.760	34.925	247.2	2.534					

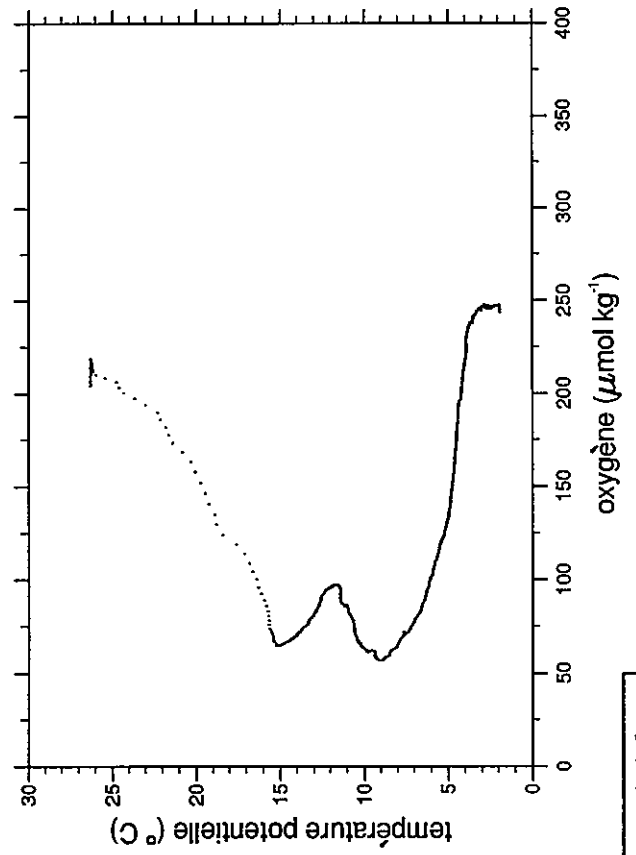
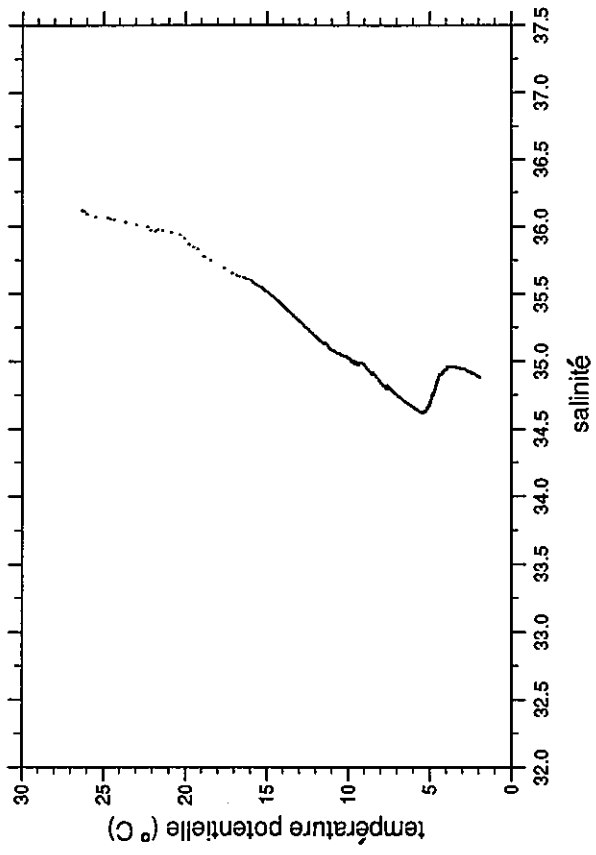
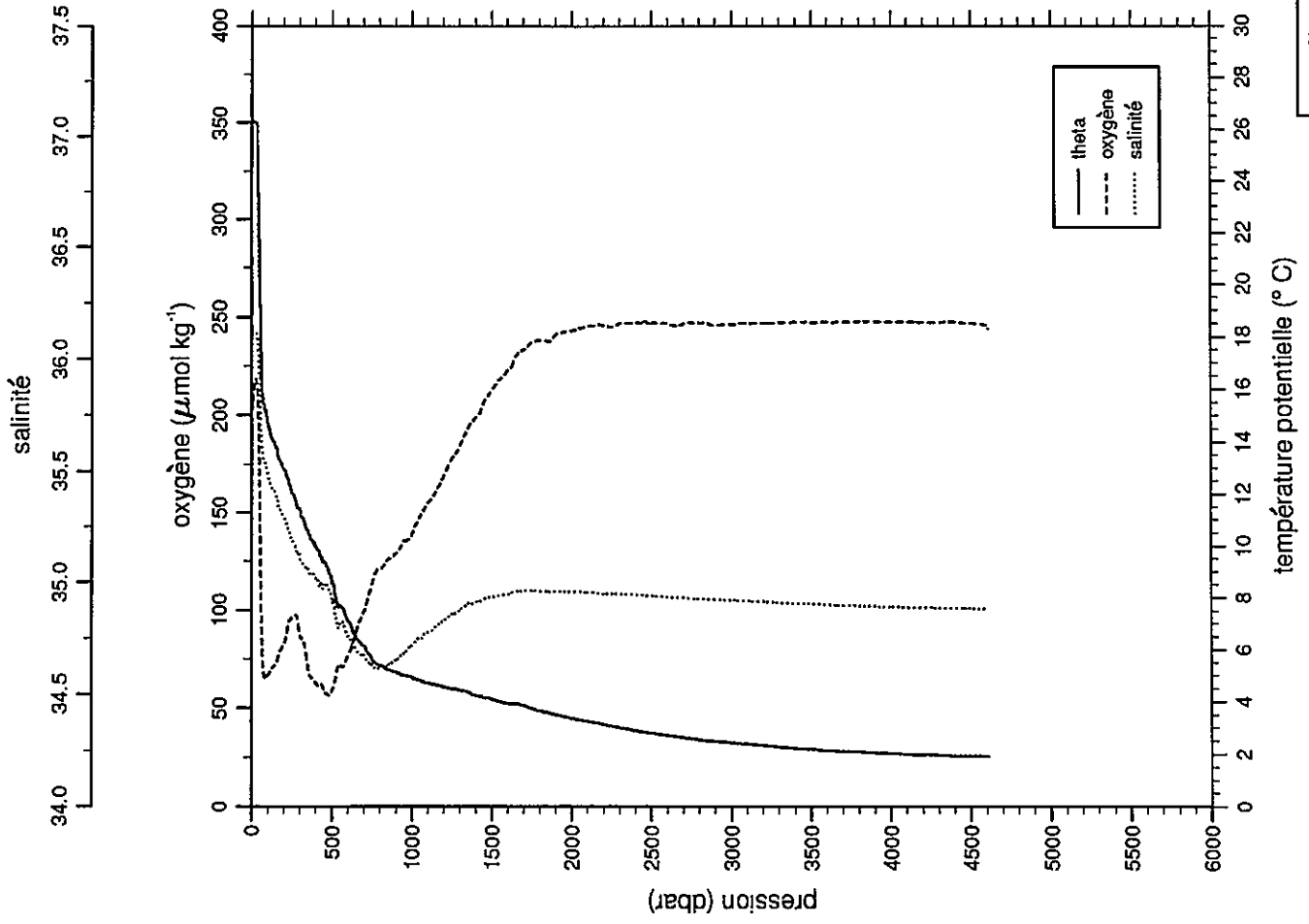


Station 175



Station : 176 Campagne : CITHER1
 Date : 28-02-93 Navire : L'ATALANTE
 Profondeur: 4608 m Organisme : IFREMER
 Position : N 7 34.99
 W 24 0.00

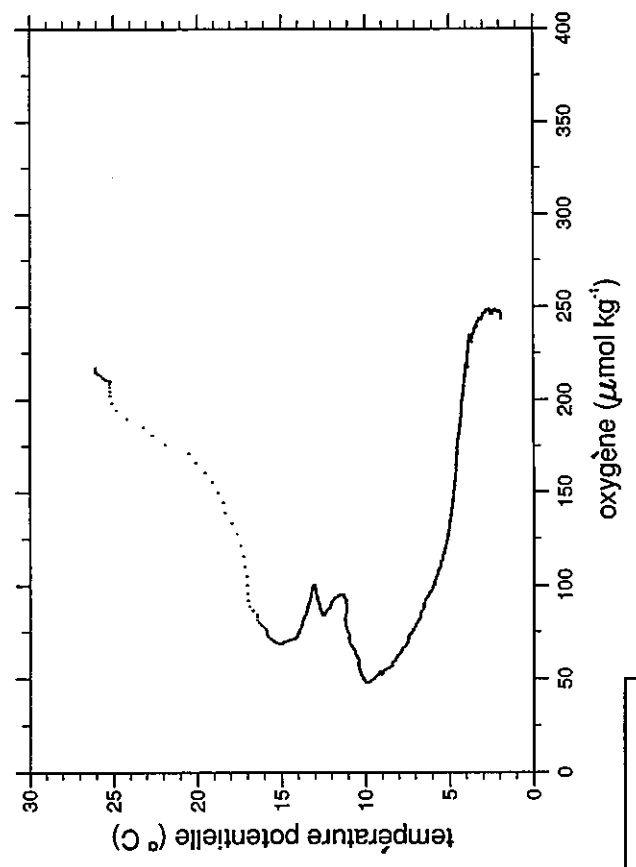
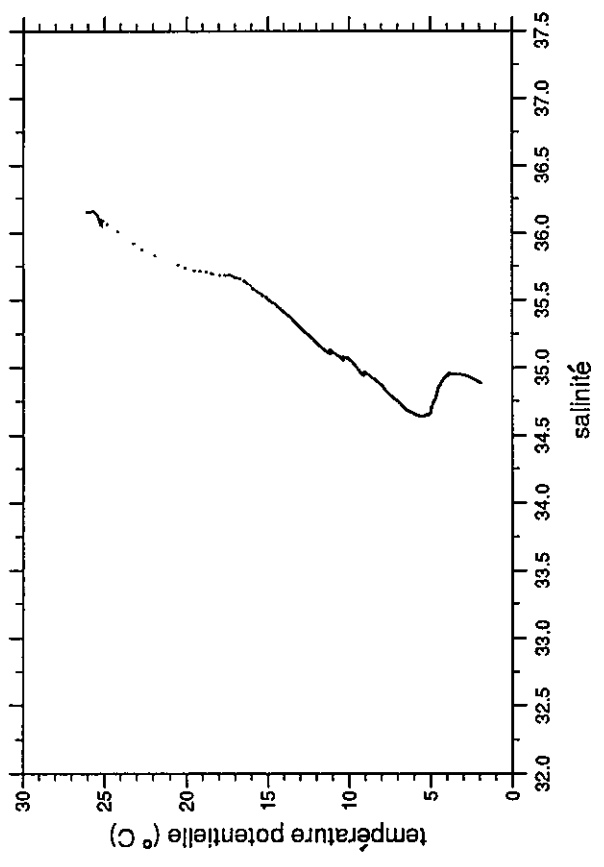
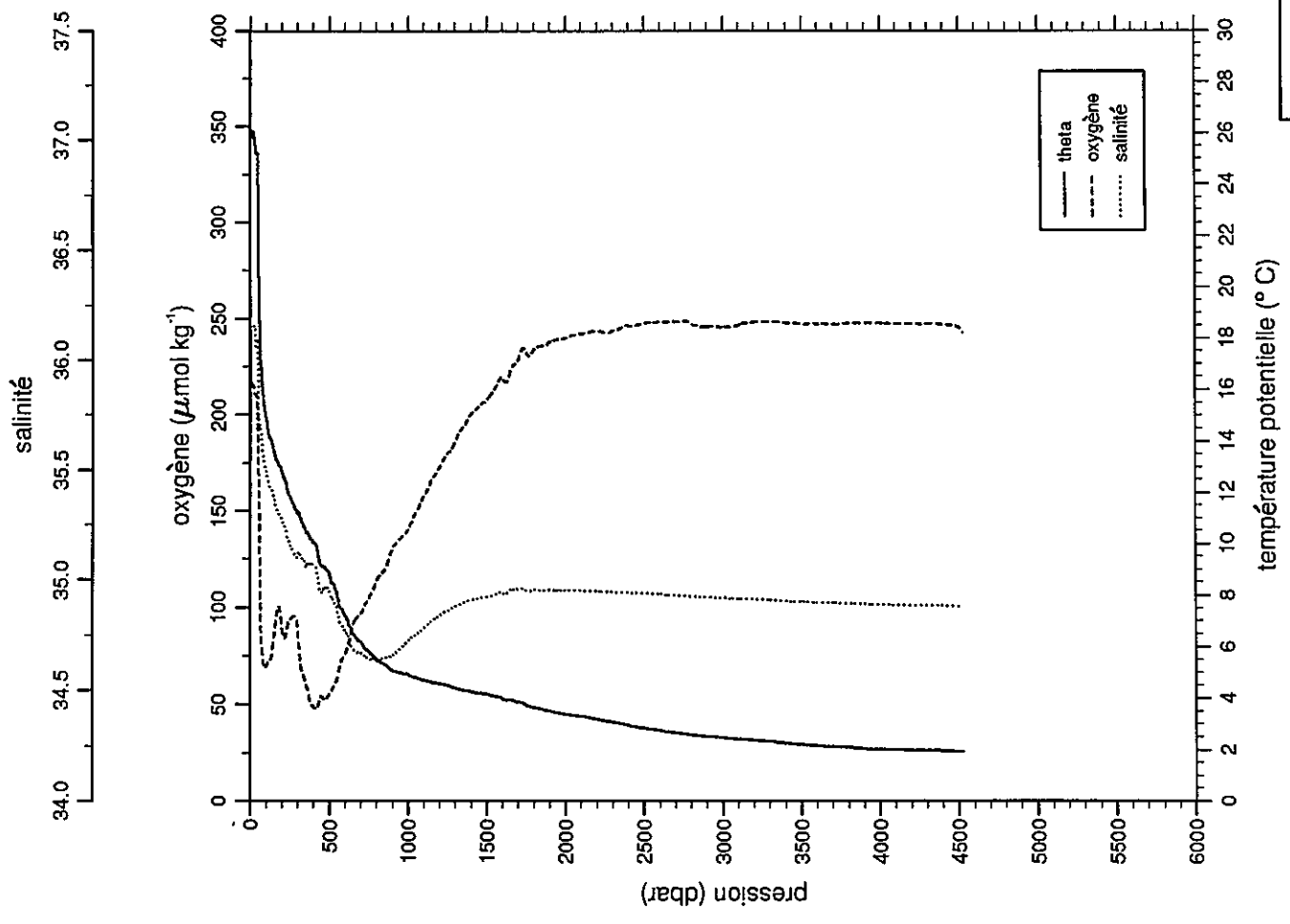
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.298	36.116	205.6	26.298	2850.	2.730	34.923	246.6	2.501
2.	26.298	36.116	206.0	26.297	2900.	2.714	34.921	245.7	2.479
3.	26.291	36.116	204.8	26.291	2950.	2.686	34.920	246.0	2.447
4.	26.293	36.116	204.1	26.292	3000.	2.665	34.918	246.1	2.422
5.	26.295	36.116	204.1	26.294	3050.	2.645	34.917	246.5	2.397
10.	26.302	36.116	210.1	26.300	3100.	2.638	34.916	246.4	2.385
20.	26.292	36.114	217.7	26.287	3150.	2.615	34.914	246.7	2.357
30.	26.215	36.113	216.2	26.208	3200.	2.597	34.913	246.6	2.334
40.	23.659	36.029	197.3	23.651	3250.	2.568	34.911	246.7	2.301
50.	19.738	35.866	152.1	19.729	3300.	2.544	34.909	246.9	2.272
100.	14.665	35.483	66.5	14.650	3350.	2.528	34.907	247.0	2.251
150.	13.800	35.388	72.6	13.778	3400.	2.507	34.906	247.2	2.226
200.	12.938	35.290	82.6	12.910	3450.	2.489	34.904	247.2	2.202
250.	12.039	35.187	95.9	12.006	3500.	2.478	34.903	247.0	2.186
300.	11.376	35.132	87.7	11.338	3550.	2.450	34.901	247.3	2.153
350.	10.591	35.058	71.3	10.549	3600.	2.437	34.900	247.2	2.135
400.	9.987	35.020	62.6	9.940	3650.	2.432	34.899	247.1	2.125
450.	9.417	34.987	59.7	9.366	3700.	2.422	34.898	247.2	2.109
500.	8.692	34.924	58.9	8.638	3750.	2.413	34.897	247.2	2.096
550.	7.726	34.817	72.1	7.670	3800.	2.406	34.896	247.5	2.083
600.	7.140	34.760	76.6	7.082	3850.	2.392	34.894	247.4	2.064
650.	6.536	34.699	88.2	6.476	3900.	2.380	34.893	247.3	2.047
700.	6.190	34.673	99.3	6.127	3950.	2.372	34.892	247.4	2.033
750.	5.697	34.627	112.9	5.631	4000.	2.365	34.891	247.4	2.021
800.	5.461	34.622	121.7	5.392	4050.	2.354	34.890	247.4	2.004
850.	5.269	34.629	125.8	5.197	4100.	2.338	34.889	247.2	1.982
900.	5.194	34.652	129.1	5.118	4150.	2.327	34.888	247.1	1.966
950.	5.058	34.681	135.2	4.979	4200.	2.327	34.887	247.1	1.961
1000.	4.989	34.717	138.7	4.905	4250.	2.330	34.887	246.9	1.957
1050.	4.891	34.746	147.9	4.803	4300.	2.325	34.886	247.0	1.947
1100.	4.791	34.773	155.0	4.700	4350.	2.315	34.885	247.4	1.931
1150.	4.734	34.800	161.0	4.638	4400.	2.316	34.885	247.4	1.927
1200.	4.669	34.829	169.2	4.569	4450.	2.311	34.883	246.8	1.915
1250.	4.601	34.856	177.8	4.498	4500.	2.316	34.883	246.5	1.914
1300.	4.552	34.875	184.4	4.445	4550.	2.316	34.884	246.1	1.909
1350.	4.482	34.902	193.5	4.371	4600.	2.314	34.881	244.9	1.900
1400.	4.347	34.908	198.9	4.233	4610.	2.310	34.881	243.6	1.896
1450.	4.265	34.925	206.8	4.146					
1500.	4.194	34.933	213.1	4.072					
1550.	4.113	34.940	218.3	3.987					
1600.	4.052	34.946	222.8	3.922					
1650.	4.040	34.960	229.8	3.905					
1700.	3.974	34.960	233.3	3.836					
1750.	3.868	34.961	236.8	3.726					
1800.	3.785	34.959	237.9	3.639					
1850.	3.730	34.957	237.7	3.581					
1900.	3.653	34.959	240.8	3.500					
1950.	3.584	34.957	242.2	3.427					
2000.	3.523	34.956	242.7	3.362					
2050.	3.472	34.955	244.0	3.307					
2100.	3.407	34.954	244.8	3.239					
2150.	3.350	34.952	245.5	3.178					
2200.	3.293	34.949	245.4	3.117					
2250.	3.233	34.947	244.8	3.053					
2300.	3.191	34.947	246.4	3.007					
2350.	3.133	34.945	246.5	2.945					
2400.	3.083	34.943	246.9	2.891					
2450.	3.026	34.940	247.6	2.830					
2500.	2.993	34.939	246.4	2.793					
2550.	2.953	34.936	246.7	2.749					
2600.	2.920	34.934	246.8	2.712					
2650.	2.879	34.931	245.5	2.666					
2700.	2.844	34.930	246.3	2.628					
2750.	2.802	34.927	246.9	2.581					
2800.	2.764	34.925	246.8	2.538					



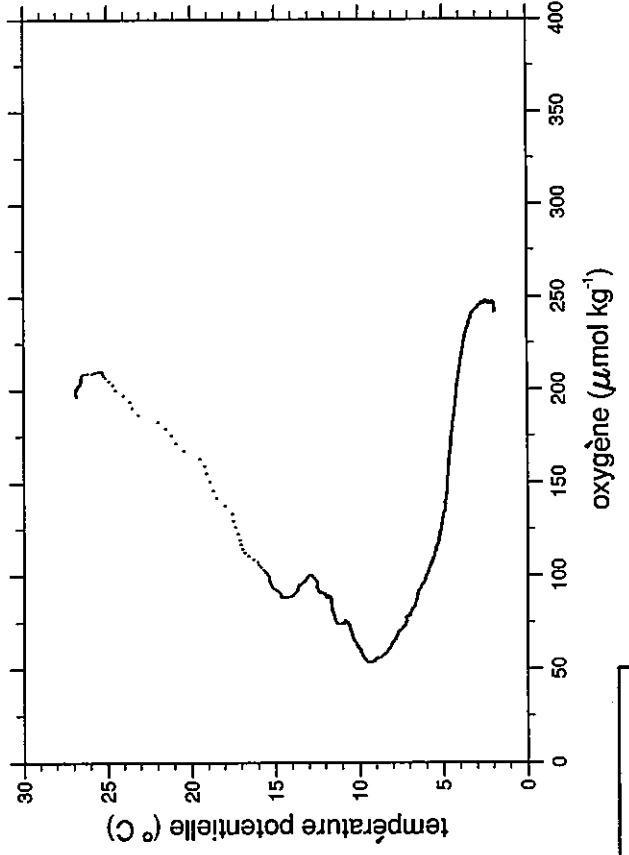
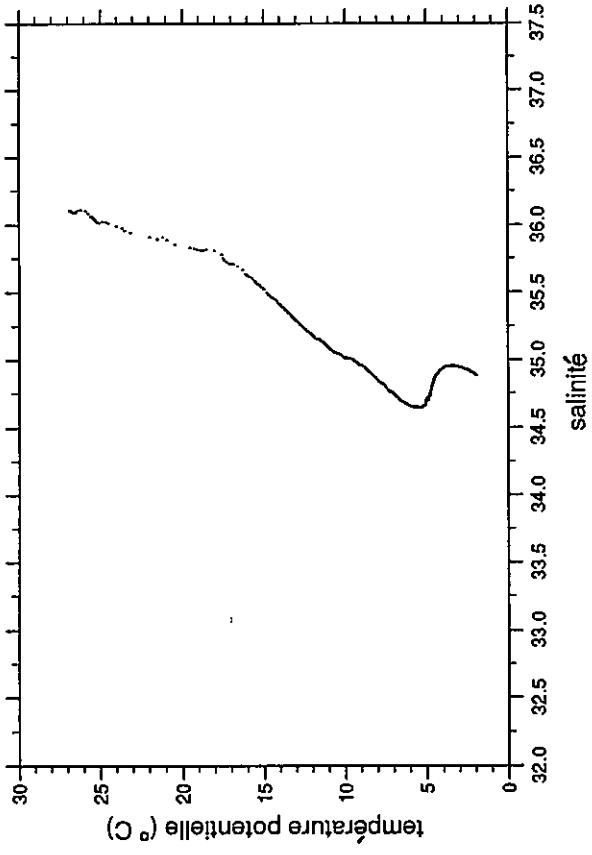
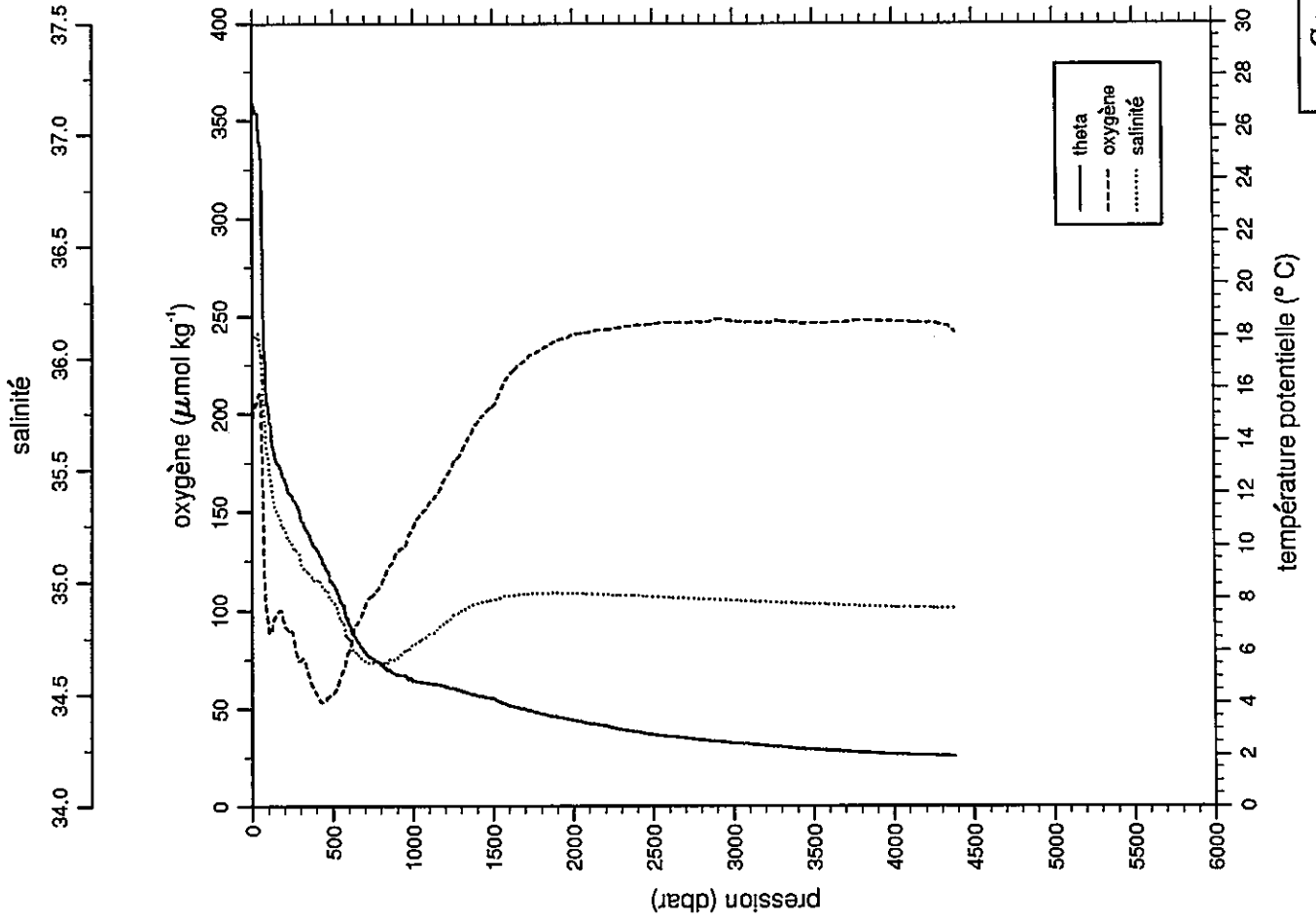
Station 176

Station : 177	Campagne : CITHBRI
Date : 28-02-93	Navire : L'ATALANTE
Profondeur: 4504 m	Organisme : IFREMER
Position : N 7 35.05	
W 23 19.91	

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.063	36.152	216.8	26.062	2850.	2.760	34.923	245.9	2.530
2.	26.063	36.152	216.8	26.062	2900.	2.734	34.922	245.8	2.500
3.	26.063	36.152	215.1	26.062	2950.	2.720	34.920	245.8	2.480
4.	26.071	36.153	215.0	26.070	3000.	2.701	34.919	245.6	2.456
5.	26.071	36.153	215.1	26.070	3050.	2.679	34.917	245.6	2.430
10.	26.060	36.152	217.0	26.058	3100.	2.654	34.916	246.5	2.401
20.	26.034	36.150	214.5	26.030	3150.	2.631	34.914	247.5	2.372
30.	25.438	36.123	210.5	25.431	3200.	2.609	34.912	248.2	2.346
40.	25.204	36.073	210.1	25.195	3250.	2.593	34.911	248.1	2.325
50.	22.696	35.877	180.8	22.686	3300.	2.578	34.909	248.4	2.305
100.	14.903	35.499	69.4	14.888	3350.	2.546	34.907	248.3	2.269
150.	13.602	35.370	84.2	13.581	3400.	2.519	34.905	247.8	2.237
200.	12.792	35.271	90.3	12.764	3450.	2.492	34.903	247.6	2.205
250.	11.858	35.163	93.5	11.825	3500.	2.470	34.901	247.3	2.178
300.	11.177	35.102	88.8	11.140	3550.	2.455	34.899	247.2	2.158
350.	10.508	35.068	61.4	10.466	3600.	2.443	34.898	247.2	2.141
400.	10.073	35.065	48.6	10.026	3650.	2.431	34.896	247.3	2.124
450.	9.161	34.943	54.1	9.110	3700.	2.422	34.896	247.0	2.110
500.	8.873	34.950	55.0	8.818	3750.	2.412	34.895	247.1	2.095
550.	8.077	34.872	63.0	8.020	3800.	2.404	34.894	247.5	2.081
600.	7.225	34.767	75.8	7.166	3850.	2.380	34.891	247.7	2.052
650.	6.559	34.688	90.7	6.499	3900.	2.357	34.889	247.7	2.024
700.	6.202	34.667	96.5	6.138	3950.	2.354	34.889	247.6	2.016
750.	5.872	34.649	104.4	5.805	4000.	2.352	34.888	247.6	2.008
800.	5.537	34.637	113.3	5.468	4050.	2.346	34.887	247.4	1.997
850.	5.369	34.650	119.0	5.297	4100.	2.336	34.886	247.3	1.981
900.	5.112	34.656	129.8	5.037	4150.	2.339	34.886	247.3	1.978
950.	5.037	34.688	135.5	4.958	4200.	2.341	34.886	247.3	1.974
1000.	4.971	34.719	139.8	4.888	4250.	2.344	34.885	247.1	1.972
1050.	4.862	34.753	149.1	4.774	4300.	2.349	34.885	247.3	1.970
1100.	4.762	34.781	157.7	4.671	4350.	2.345	34.885	247.4	1.960
1150.	4.688	34.814	166.0	4.593	4400.	2.337	34.884	246.8	1.947
1200.	4.642	34.837	172.7	4.543	4450.	2.334	34.883	246.4	1.937
1250.	4.577	34.858	179.9	4.474	4500.	2.319	34.881	245.6	1.918
1300.	4.473	34.879	186.1	4.367	4526.	2.310	34.880	242.9	1.905
1350.	4.399	34.895	193.5	4.288					
1400.	4.354	34.908	200.3	4.240					
1450.	4.289	34.915	204.2	4.170					
1500.	4.257	34.922	207.9	4.134					
1550.	4.181	34.932	213.5	4.054					
1600.	4.082	34.938	219.0	3.952					
1650.	4.068	34.952	222.6	3.934					
1700.	3.974	34.956	228.5	3.836					
1750.	3.861	34.949	232.4	3.720					
1800.	3.767	34.951	233.7	3.622					
1850.	3.702	34.951	235.6	3.553					
1900.	3.645	34.952	237.8	3.492					
1950.	3.569	34.952	239.0	3.413					
2000.	3.514	34.951	239.6	3.353					
2050.	3.470	34.950	241.3	3.305					
2100.	3.441	34.950	242.2	3.273					
2150.	3.395	34.949	243.0	3.222					
2200.	3.341	34.947	243.4	3.164					
2250.	3.294	34.944	242.8	3.113					
2300.	3.246	34.944	243.6	3.062					
2350.	3.189	34.943	244.8	3.000					
2400.	3.129	34.942	246.2	2.936					
2450.	3.066	34.940	246.4	2.870					
2500.	3.024	34.938	247.3	2.824					
2550.	2.986	34.937	248.1	2.782					
2600.	2.952	34.935	248.1	2.743					
2650.	2.897	34.932	248.4	2.684					
2700.	2.857	34.930	248.4	2.640					
2750.	2.829	34.929	248.6	2.607					
2800.	2.786	34.924	247.3	2.561					



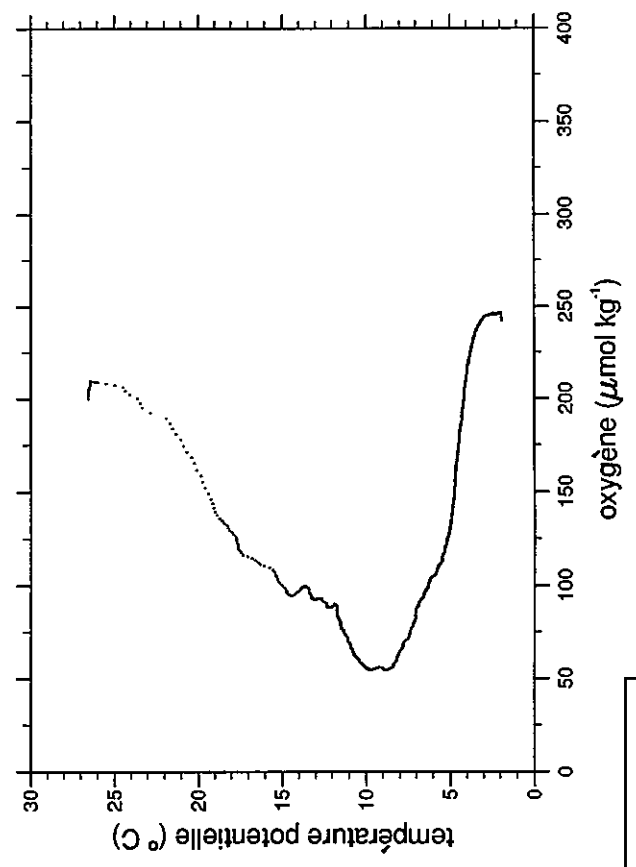
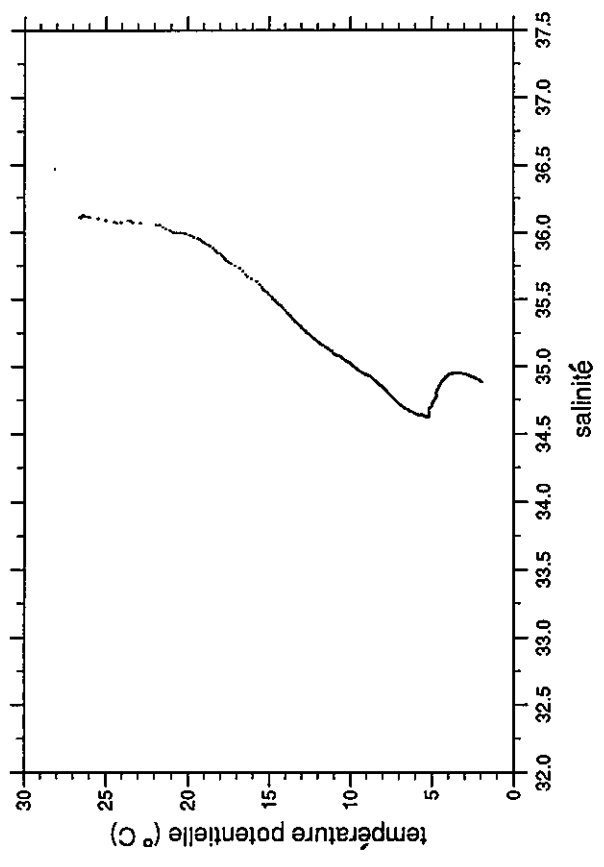
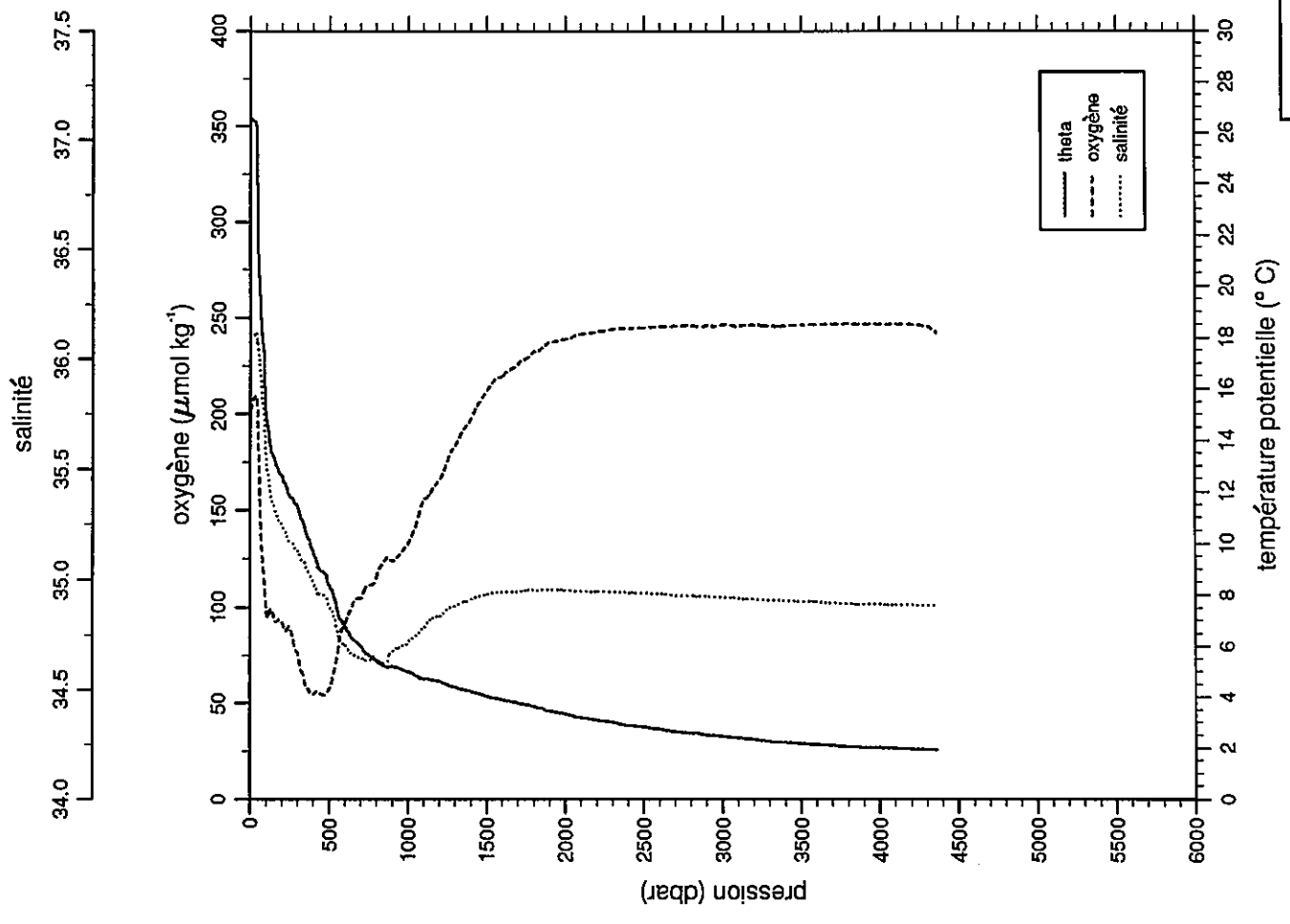
Station 177



Station 178

Station : 179 Campagne : CITHER1
 Date : 28-02-93 Navire : L'ATALANTE
 Profondeur: 4331 m Organisme : IFREMER
 Position : N 7 34.93
 W 22 19.95

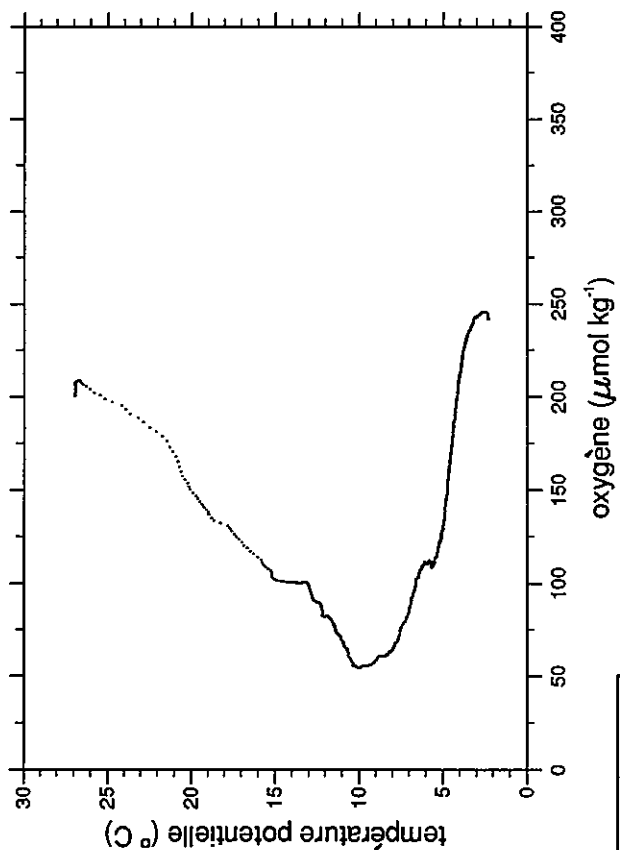
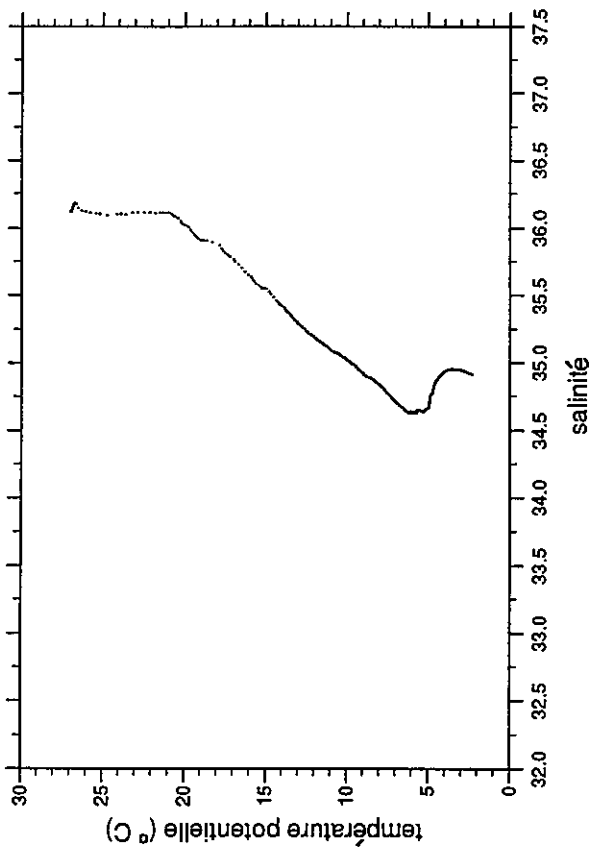
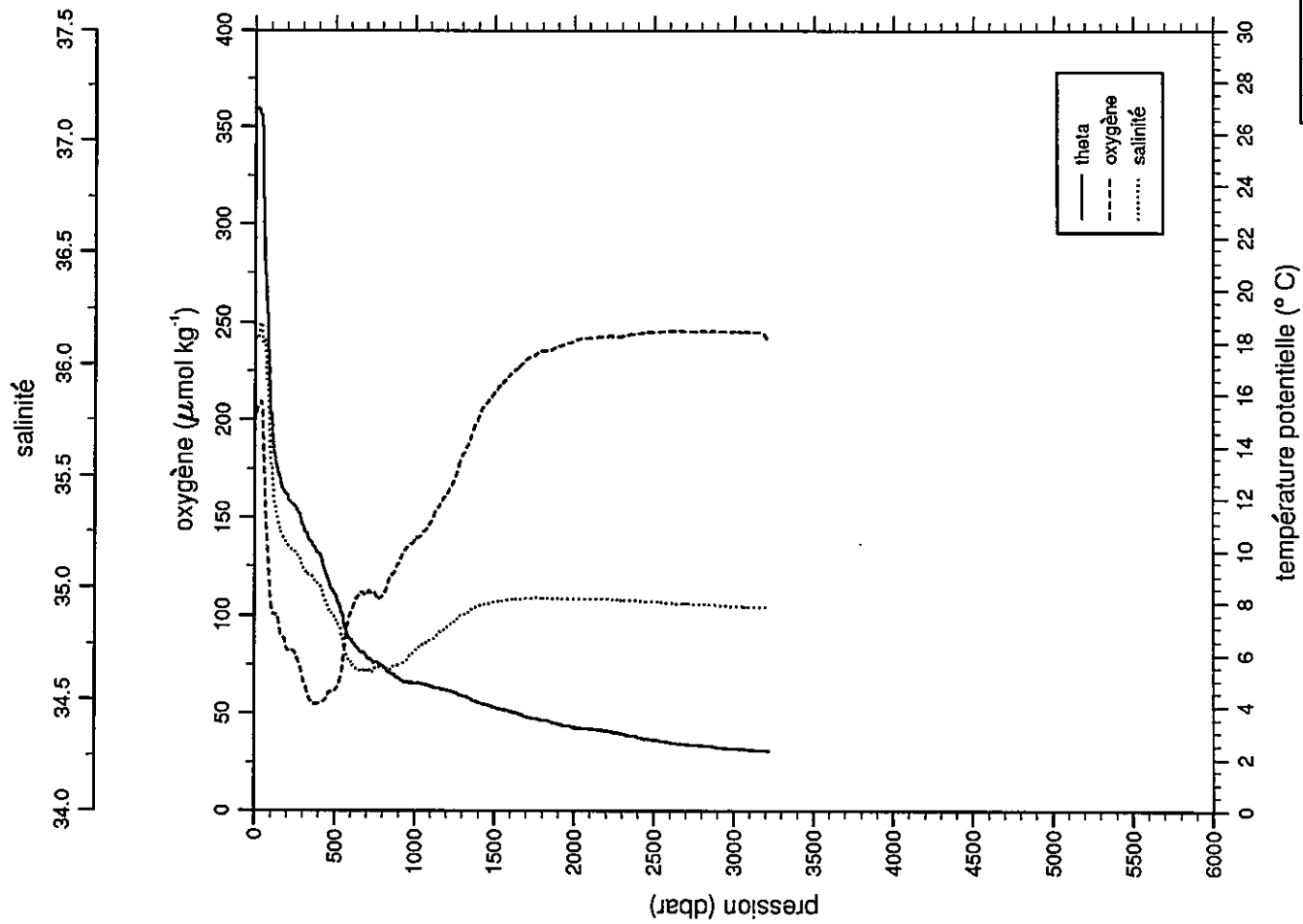
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.536	36.108	203.3	26.536	2850.	2.789	34.926	245.4	2.558
2.	26.536	36.108	203.3	26.536	2900.	2.745	34.923	245.9	2.510
3.	26.536	36.108	199.8	26.535	2950.	2.723	34.922	245.5	2.483
4.	26.548	36.109	200.4	26.548	3000.	2.692	34.921	246.2	2.448
5.	26.554	36.109	201.4	26.553	3050.	2.669	34.919	246.1	2.421
10.	26.537	36.107	204.6	26.535	3100.	2.634	34.916	245.7	2.381
20.	26.454	36.109	207.8	26.449	3150.	2.617	34.915	245.9	2.359
30.	26.439	36.113	209.1	26.432	3200.	2.592	34.913	246.0	2.329
40.	25.468	36.100	208.3	25.459	3250.	2.550	34.910	245.8	2.283
50.	21.693	36.050	186.7	21.683	3300.	2.523	34.908	245.9	2.252
100.	14.993	35.536	99.7	14.977	3350.	2.501	34.907	245.6	2.225
150.	13.324	35.329	94.7	13.303	3400.	2.489	34.906	245.8	2.208
200.	12.629	35.250	92.2	12.602	3450.	2.470	34.904	246.0	2.183
250.	11.803	35.167	89.5	11.771	3500.	2.450	34.903	246.1	2.159
300.	11.391	35.131	76.0	11.353	3550.	2.441	34.901	246.3	2.144
350.	10.465	35.057	59.8	10.423	3600.	2.433	34.900	246.3	2.131
400.	9.688	34.987	54.7	9.642	3650.	2.411	34.899	246.5	2.105
450.	8.958	34.937	54.6	8.909	3700.	2.401	34.897	246.7	2.089
500.	8.422	34.883	57.5	8.369	3750.	2.379	34.895	246.7	2.062
550.	7.497	34.773	73.2	7.442	3800.	2.366	34.894	246.9	2.044
600.	6.892	34.706	91.4	6.835	3850.	2.359	34.893	246.8	2.031
650.	6.319	34.660	101.7	6.260	3900.	2.351	34.892	246.7	2.018
700.	6.059	34.648	104.7	5.996	3950.	2.349	34.891	246.6	2.010
750.	5.722	34.635	111.0	5.657	4000.	2.344	34.890	246.6	2.000
800.	5.523	34.631	115.7	5.454	4050.	2.337	34.889	246.5	1.988
850.	5.270	34.625	124.0	5.198	4100.	2.332	34.888	246.6	1.977
900.	5.267	34.674	123.9	5.191	4150.	2.327	34.888	246.6	1.967
950.	5.175	34.693	127.2	5.094	4200.	2.322	34.887	246.4	1.955
1000.	5.064	34.712	132.9	4.979	4250.	2.320	34.886	246.1	1.948
1050.	4.934	34.747	142.2	4.846	4300.	2.316	34.886	245.5	1.938
1100.	4.790	34.783	155.2	4.699	4350.	2.310	34.885	243.1	1.926
1150.	4.777	34.822	160.2	4.682	4359.	2.305	34.884	242.2	1.920
1200.	4.718	34.835	165.7	4.618					
1250.	4.591	34.865	175.5	4.487					
1300.	4.495	34.883	183.6	4.388					
1350.	4.406	34.899	191.9	4.296					
1400.	4.328	34.910	197.4	4.213					
1450.	4.260	34.925	205.5	4.141					
1500.	4.145	34.934	212.2	4.023					
1550.	4.078	34.940	217.5	3.953					
1600.	4.021	34.942	219.8	3.891					
1650.	3.955	34.945	223.3	3.822					
1700.	3.890	34.948	226.1	3.752					
1750.	3.849	34.950	228.7	3.708					
1800.	3.768	34.952	232.3	3.623					
1850.	3.698	34.953	234.3	3.549					
1900.	3.599	34.952	237.1	3.446					
1950.	3.551	34.952	237.9	3.395					
2000.	3.487	34.950	239.0	3.327					
2050.	3.407	34.950	240.4	3.244					
2100.	3.351	34.948	241.6	3.183					
2150.	3.307	34.948	242.1	3.136					
2200.	3.265	34.946	242.8	3.089					
2250.	3.226	34.945	243.2	3.047					
2300.	3.186	34.945	243.9	3.003					
2350.	3.115	34.942	244.3	2.928					
2400.	3.059	34.941	244.4	2.868					
2450.	3.036	34.940	244.6	2.841					
2500.	3.016	34.939	244.8	2.816					
2550.	2.970	34.937	245.0	2.766					
2600.	2.937	34.935	245.3	2.729					
2650.	2.880	34.931	245.3	2.667					
2700.	2.851	34.930	245.8	2.634					
2750.	2.829	34.929	245.7	2.607					
2800.	2.797	34.927	245.7	2.571					



Station 179

Station	: 180	Campagne	: CITHER1
Date	: 01-03-93	Navire	: L'ATALANTE
Profondeur:	3209 m	Organisme	: IFREMER
Position	: N 7 34.96		
	W 21 59.99		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.950	36.117	203.3	26.950	2850.	2.727	34.923	245.6	2.498
2.	26.950	36.117	201.6	26.950	2900.	2.664	34.919	245.4	2.430
3.	26.941	36.116	200.7	26.940	2950.	2.651	34.918	245.2	2.413
4.	26.947	36.116	201.5	26.946	3000.	2.638	34.917	245.2	2.395
5.	26.947	36.116	202.3	26.946	3050.	2.628	34.916	245.1	2.380
10.	26.953	36.117	204.5	26.951	3100.	2.610	34.915	245.1	2.357
20.	26.954	36.119	207.2	26.950	3150.	2.593	34.913	245.0	2.336
30.	26.777	36.178	208.2	26.770	3200.	2.583	34.913	242.5	2.321
40.	26.678	36.182	208.7	26.669	3220.	2.578	34.912	241.7	2.314
50.	24.161	36.098	195.3	24.150					
100.	15.253	35.550	106.3	15.238					
150.	12.941	35.285	96.8	12.921					
200.	12.195	35.205	82.9	12.169					
250.	11.724	35.163	81.2	11.692					
300.	10.957	35.091	68.1	10.920					
350.	10.378	35.051	56.2	10.336					
400.	9.929	35.011	55.1	9.882					
450.	9.091	34.925	58.1	9.041					
500.	8.380	34.868	61.5	8.327					
550.	7.605	34.779	74.7	7.550					
600.	6.653	34.667	101.3	6.597					
650.	6.271	34.633	109.8	6.212					
700.	5.979	34.626	110.6	5.917					
750.	5.787	34.637	111.6	5.721					
800.	5.646	34.646	110.0	5.577					
850.	5.358	34.640	120.1	5.286					
900.	5.194	34.656	126.5	5.118					
950.	5.020	34.673	134.4	4.941					
1000.	4.987	34.715	138.0	4.903					
1050.	4.964	34.745	141.6	4.876					
1100.	4.895	34.769	147.3	4.803					
1150.	4.815	34.790	155.1	4.719					
1200.	4.757	34.820	161.9	4.657					
1250.	4.666	34.846	169.6	4.562					
1300.	4.538	34.874	181.7	4.431					
1350.	4.418	34.896	190.2	4.307					
1400.	4.274	34.918	200.8	4.160					
1450.	4.198	34.927	208.4	4.080					
1500.	4.098	34.934	213.7	3.977					
1550.	4.018	34.940	218.9	3.893					
1600.	3.949	34.945	223.3	3.821					
1650.	3.861	34.948	226.7	3.729					
1700.	3.761	34.950	231.2	3.625					
1750.	3.712	34.951	233.2	3.572					
1800.	3.636	34.952	235.3	3.493					
1850.	3.590	34.950	235.8	3.443					
1900.	3.500	34.949	237.7	3.349					
1950.	3.416	34.948	239.3	3.262					
2000.	3.346	34.949	240.4	3.188					
2050.	3.318	34.948	242.0	3.156					
2100.	3.308	34.948	242.1	3.141					
2150.	3.285	34.948	242.5	3.114					
2200.	3.251	34.947	242.9	3.076					
2250.	3.201	34.945	242.9	3.022					
2300.	3.165	34.944	243.0	2.982					
2350.	3.074	34.941	243.9	2.887					
2400.	3.020	34.940	244.3	2.829					
2450.	2.971	34.937	244.8	2.776					
2500.	2.935	34.935	245.0	2.736					
2550.	2.897	34.933	245.2	2.694					
2600.	2.841	34.930	245.7	2.635					
2650.	2.813	34.929	245.8	2.602					
2700.	2.777	34.926	245.5	2.561					
2750.	2.759	34.925	245.5	2.539					
2800.	2.738	34.924	245.6	2.514					

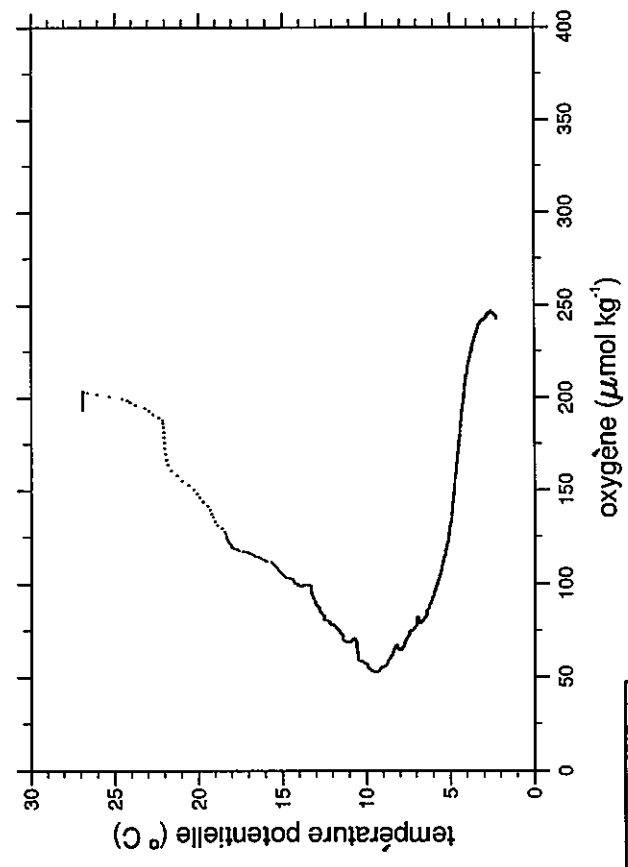
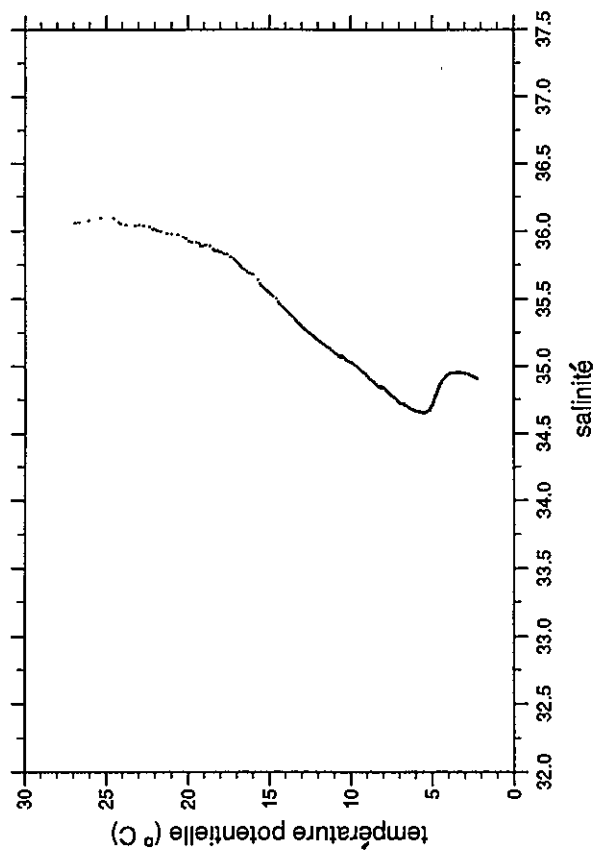
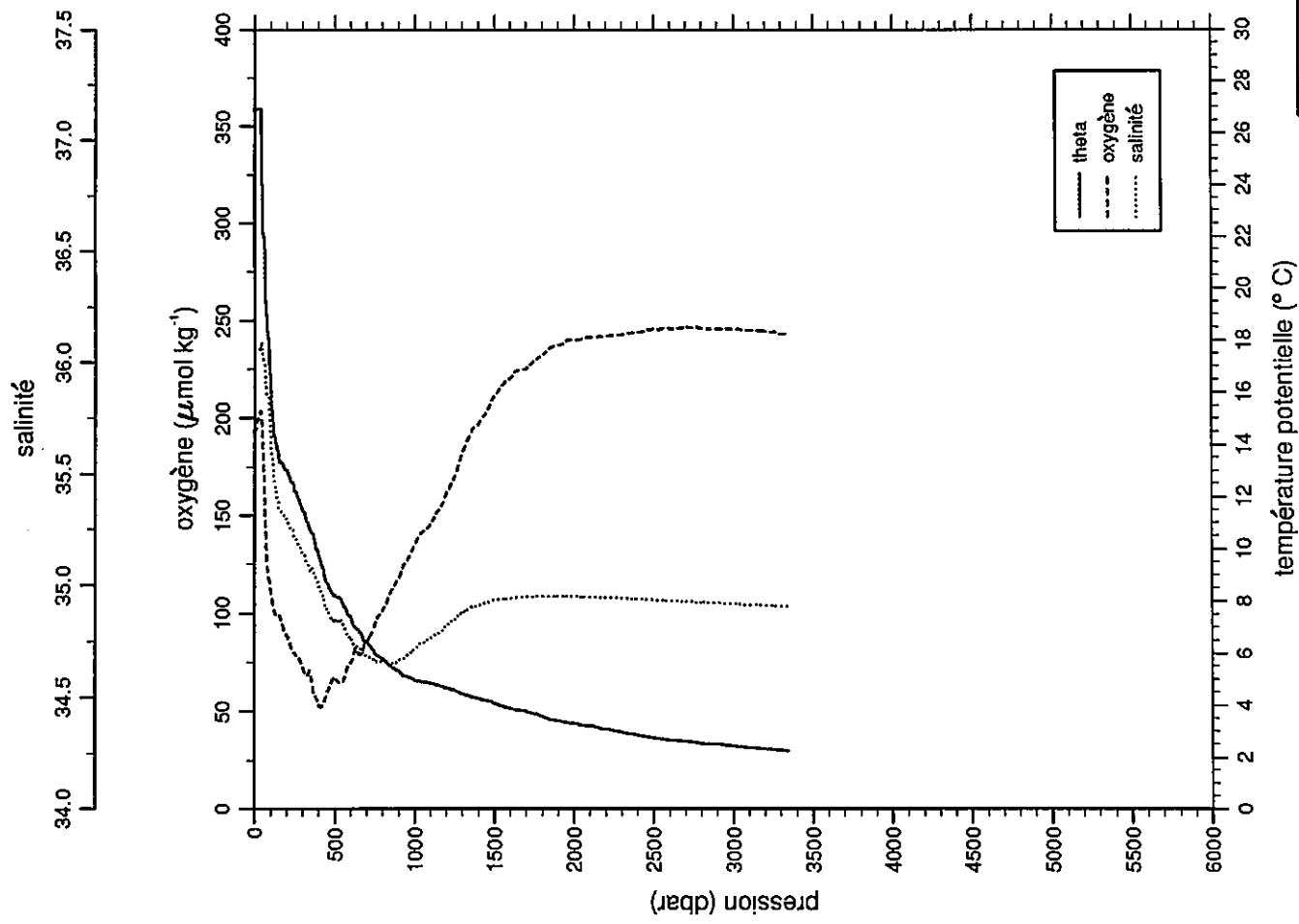


Station 180

Station : 181	Campagne : CITHERI
Date : 01-03-93	Navire : L'ATALANTE
Profondeur: 3327 m	Organisme : IFREMER
Position : N 7 35.02	
W 21 29.96	

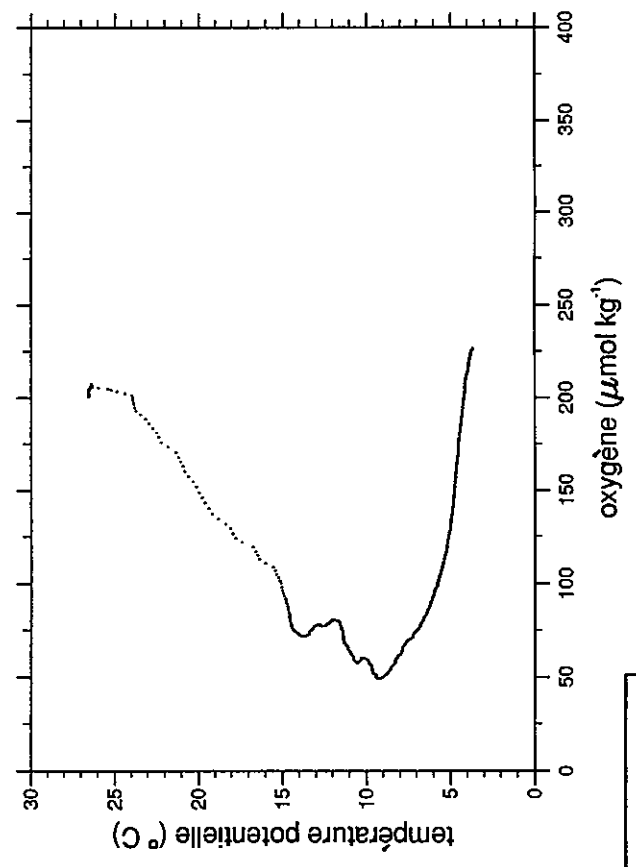
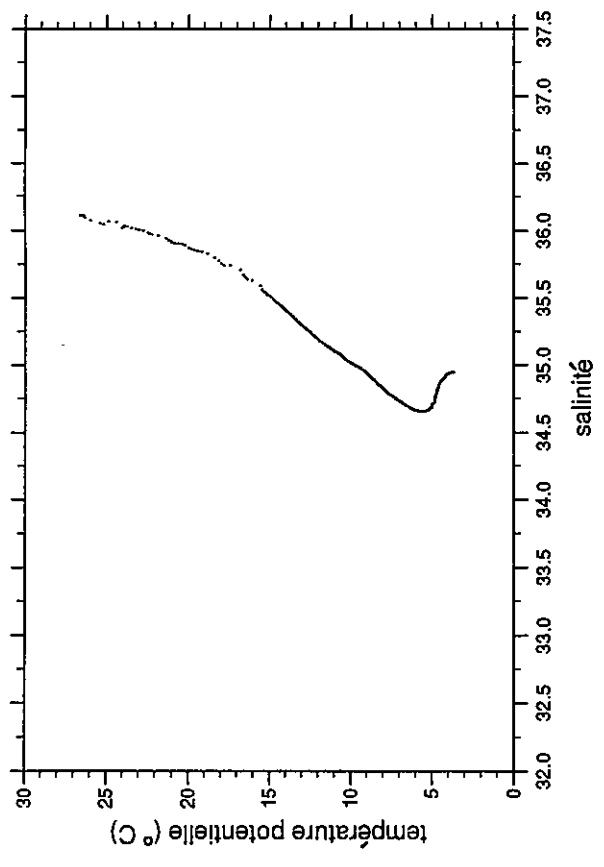
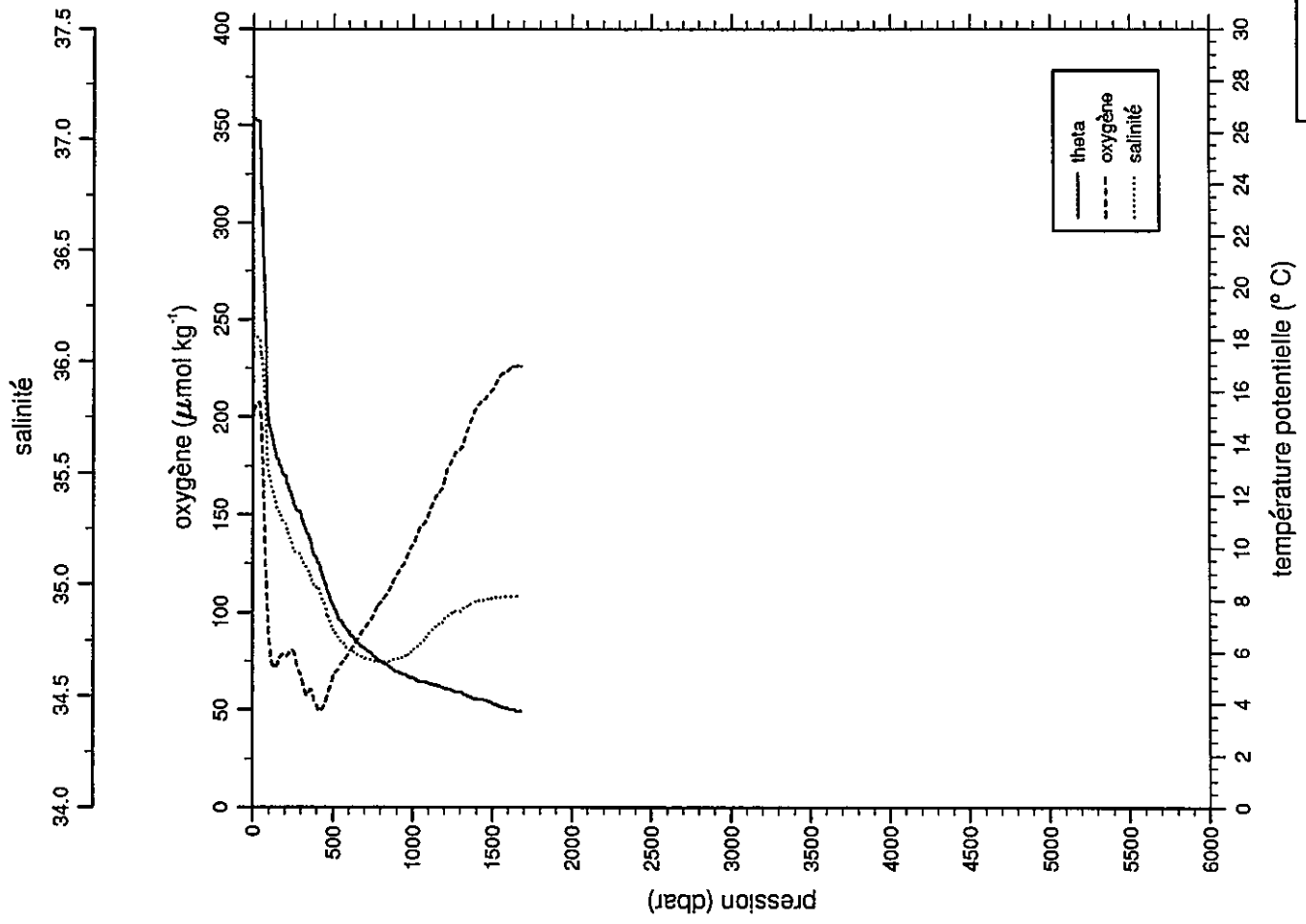
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.915	36.058	194.3	26.915	2850.	2.725	34.923	245.8	2.496
2.	26.915	36.058	194.2	26.914	2900.	2.727	34.923	245.8	2.492
3.	26.897	36.058	193.7	26.896	2950.	2.691	34.920	245.9	2.452
4.	26.906	36.058	194.2	26.905	3000.	2.671	34.919	245.6	2.428
5.	26.915	36.058	194.1	26.914	3050.	2.641	34.916	245.5	2.393
10.	26.919	36.058	195.8	26.917	3100.	2.609	34.914	244.9	2.357
20.	26.924	36.057	199.2	26.919	3150.	2.593	34.913	244.9	2.335
30.	26.923	36.058	202.2	26.917	3200.	2.575	34.911	244.5	2.313
40.	26.059	36.077	202.0	26.050	3250.	2.548	34.909	244.2	2.281
50.	22.162	36.011	188.0	22.152	3300.	2.518	34.908	243.2	2.246
100.	15.995	35.678	112.0	15.980	3347.	2.516	34.907	242.6	2.240
150.	13.514	35.361	99.4	13.493					
200.	13.022	35.293	88.8	12.995					
250.	12.213	35.211	79.6	12.180					
300.	11.449	35.137	72.3	11.411					
350.	10.643	35.064	68.7	10.600					
400.	9.733	35.001	53.4	9.687					
450.	8.760	34.896	58.9	8.711					
500.	8.227	34.838	67.1	8.175					
550.	7.960	34.828	65.2	7.903					
600.	7.446	34.774	74.8	7.387					
650.	6.894	34.720	79.4	6.832					
700.	6.465	34.687	85.9	6.400					
750.	6.054	34.664	94.1	5.986					
800.	5.833	34.659	101.4	5.762					
850.	5.540	34.650	110.6	5.466					
900.	5.386	34.665	117.8	5.309					
950.	5.181	34.685	126.5	5.101					
1000.	5.040	34.714	134.8	4.956					
1050.	4.970	34.742	141.6	4.882					
1100.	4.922	34.763	145.7	4.830					
1150.	4.855	34.787	152.8	4.759					
1200.	4.744	34.823	161.7	4.644					
1250.	4.669	34.847	169.6	4.565					
1300.	4.537	34.879	182.4	4.429					
1350.	4.441	34.900	192.1	4.330					
1400.	4.360	34.909	196.9	4.246					
1450.	4.293	34.920	203.3	4.175					
1500.	4.185	34.934	211.4	4.063					
1550.	4.082	34.939	216.8	3.956					
1600.	4.017	34.942	220.4	3.887					
1650.	3.938	34.946	224.2	3.805					
1700.	3.895	34.947	225.3	3.758					
1750.	3.800	34.949	229.3	3.659					
1800.	3.713	34.950	232.4	3.569					
1850.	3.574	34.951	236.0	3.427					
1900.	3.542	34.951	237.2	3.391					
1950.	3.476	34.952	239.4	3.321					
2000.	3.446	34.950	239.9	3.287					
2050.	3.377	34.949	240.5	3.214					
2100.	3.361	34.948	241.4	3.194					
2150.	3.304	34.947	241.7	3.132					
2200.	3.247	34.945	242.1	3.072					
2250.	3.199	34.945	242.3	3.020					
2300.	3.140	34.944	242.7	2.957					
2350.	3.080	34.941	243.6	2.893					
2400.	3.039	34.939	243.9	2.848					
2450.	2.975	34.937	245.0	2.780					
2500.	2.933	34.935	245.6	2.734					
2550.	2.891	34.933	245.8	2.688					
2600.	2.848	34.930	245.9	2.641					
2650.	2.841	34.930	245.9	2.629					
2700.	2.809	34.928	246.4	2.592					
2750.	2.790	34.927	246.5	2.569					
2800.	2.740	34.924	245.9	2.516					

Station 181



Station	: 182	Campagne	: CITHER1
Date	: 01-03-93	Navire	: L'ATALANTE
Profondeur:	1751 m	Organisme	: IFREMER
Position	: N 7 34.96		
	W 20 59.97		

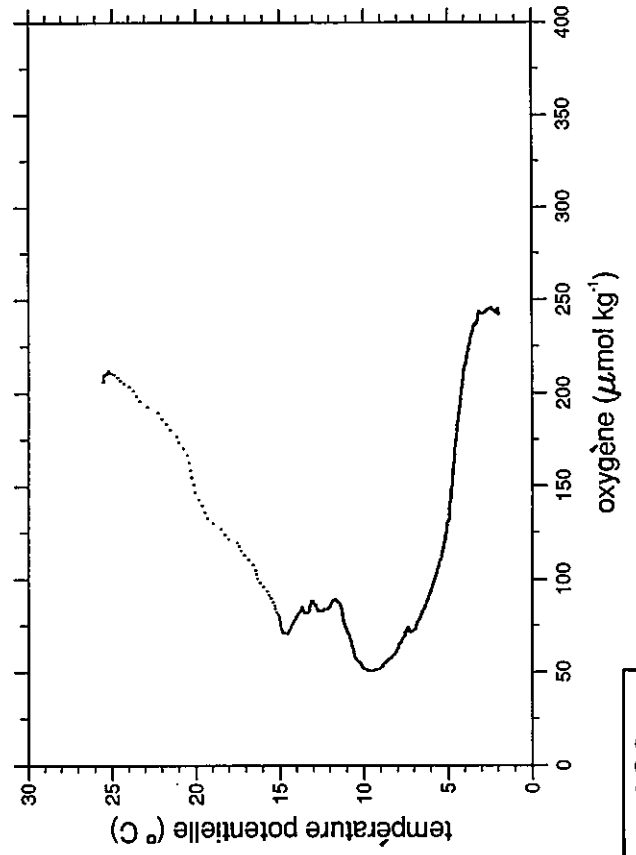
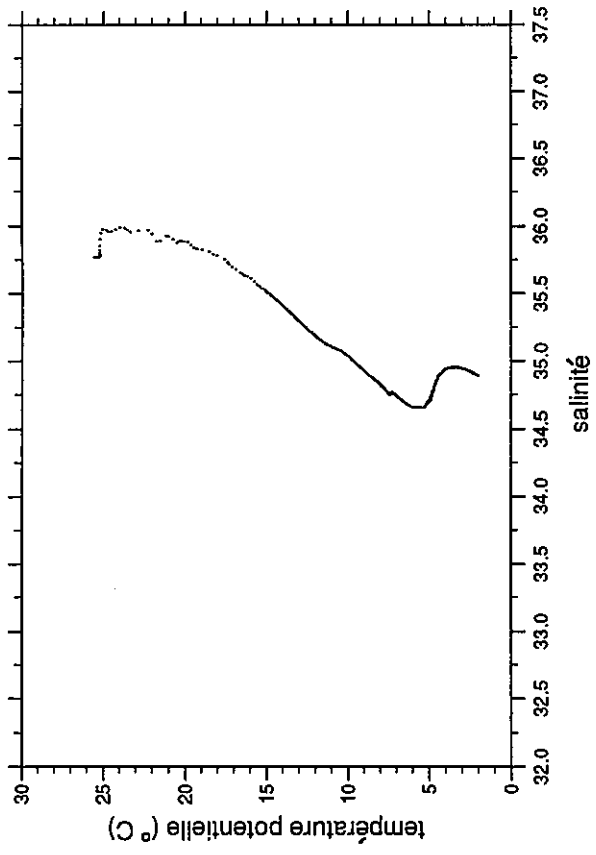
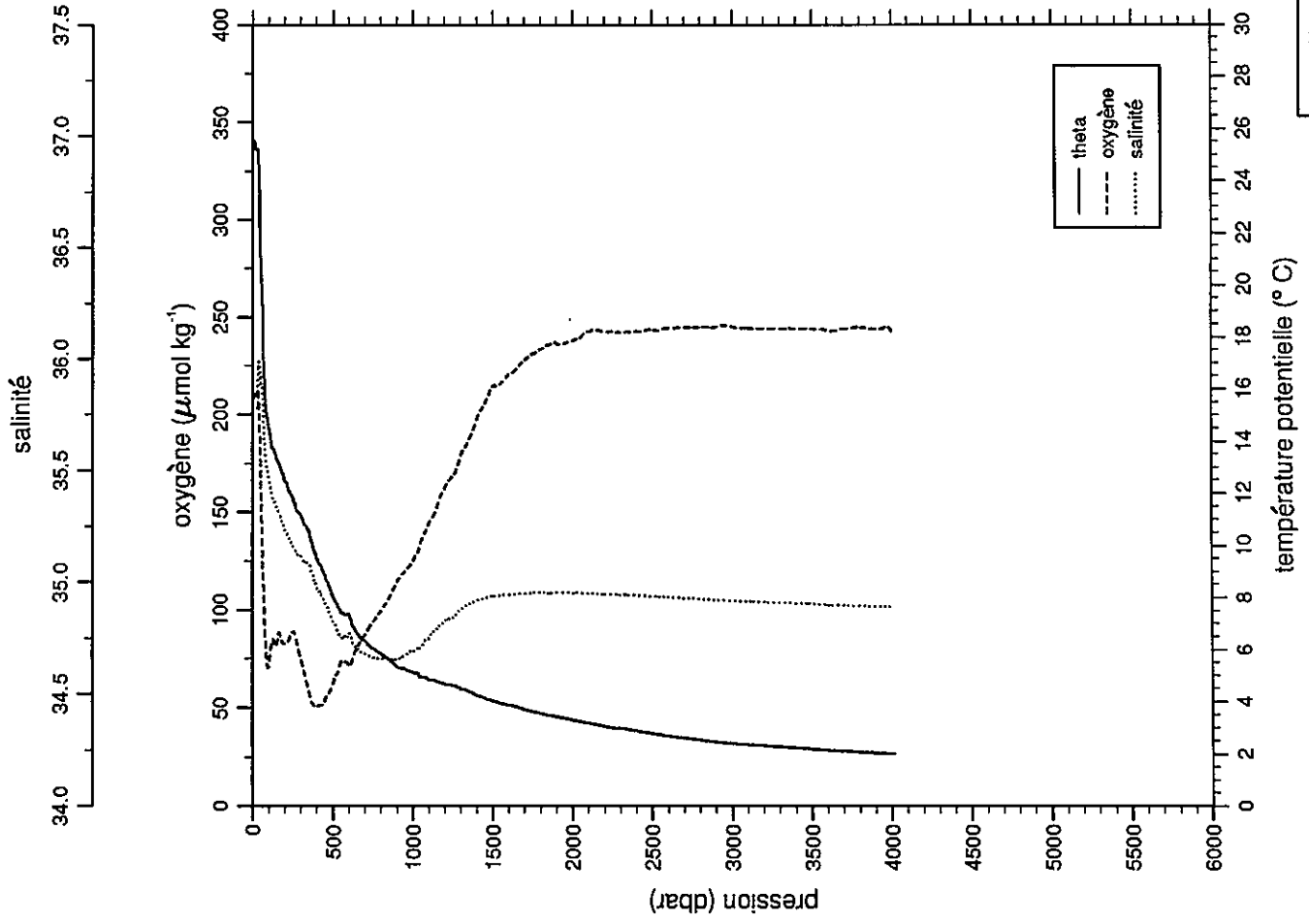
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.512	36.109	204.0	26.511
2.	26.512	36.109	201.8	26.511
3.	26.542	36.111	200.6	26.541
4.	26.544	36.112	201.7	26.543
5.	26.550	36.112	202.7	26.549
10.	26.487	36.106	204.8	26.485
20.	26.433	36.109	206.5	26.428
30.	26.419	36.108	206.5	26.412
40.	26.387	36.105	206.8	26.378
50.	23.934	36.030	198.9	23.924
100.	14.727	35.484	88.0	14.712
150.	13.443	35.345	73.1	13.422
200.	12.776	35.272	77.6	12.748
250.	11.883	35.174	80.4	11.850
300.	11.282	35.127	67.5	11.244
350.	10.456	35.054	58.6	10.414
400.	9.606	34.988	51.7	9.560
450.	8.749	34.907	52.9	8.700
500.	7.855	34.802	66.3	7.804
550.	7.251	34.748	73.3	7.197
600.	6.826	34.714	79.0	6.769
650.	6.430	34.685	85.5	6.370
700.	6.166	34.668	91.6	6.103
750.	5.933	34.661	97.7	5.866
800.	5.688	34.654	105.1	5.619
850.	5.520	34.654	110.7	5.447
900.	5.299	34.668	119.2	5.223
950.	5.203	34.675	125.3	5.122
1000.	5.049	34.705	134.1	4.965
1050.	4.914	34.733	143.7	4.826
1100.	4.858	34.776	149.8	4.766
1150.	4.770	34.811	159.5	4.675
1200.	4.678	34.846	167.4	4.579
1250.	4.585	34.873	178.3	4.482
1300.	4.538	34.880	183.5	4.431
1350.	4.382	34.907	194.5	4.272
1400.	4.261	34.923	204.8	4.147
1450.	4.240	34.930	208.7	4.122
1500.	4.129	34.937	213.5	4.007
1550.	3.994	34.943	221.3	3.869
1600.	3.914	34.944	223.9	3.786
1650.	3.825	34.949	225.9	3.693
1681.	3.809	34.948	226.1	3.675



Station 182

Station	: 183	Campagne	: CITHER1
Date	: 01-03-93	Navire	: L'ATALANTE
Profondeur	: 3989 m	Organisme	: IFREMER
Position	: N 7 34.96		
	W 20 29.98		

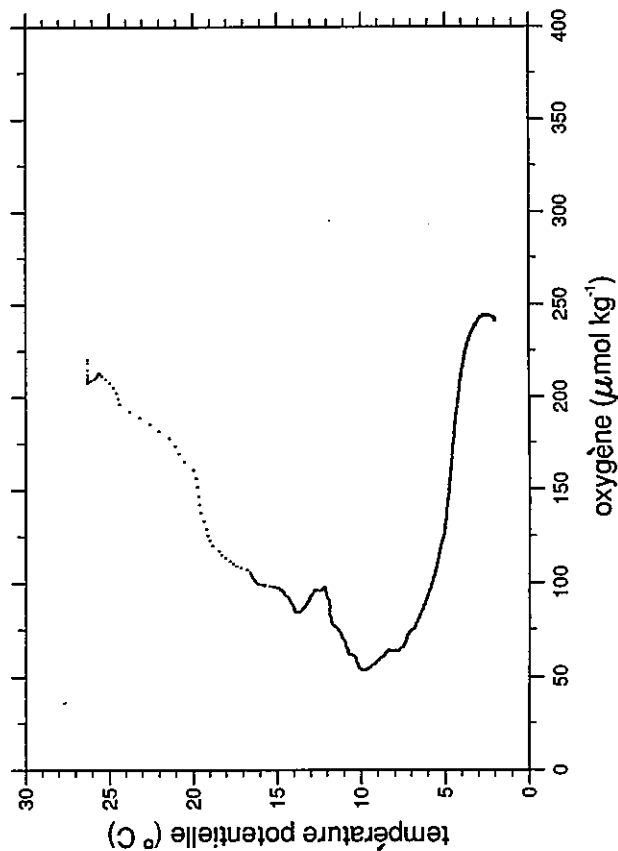
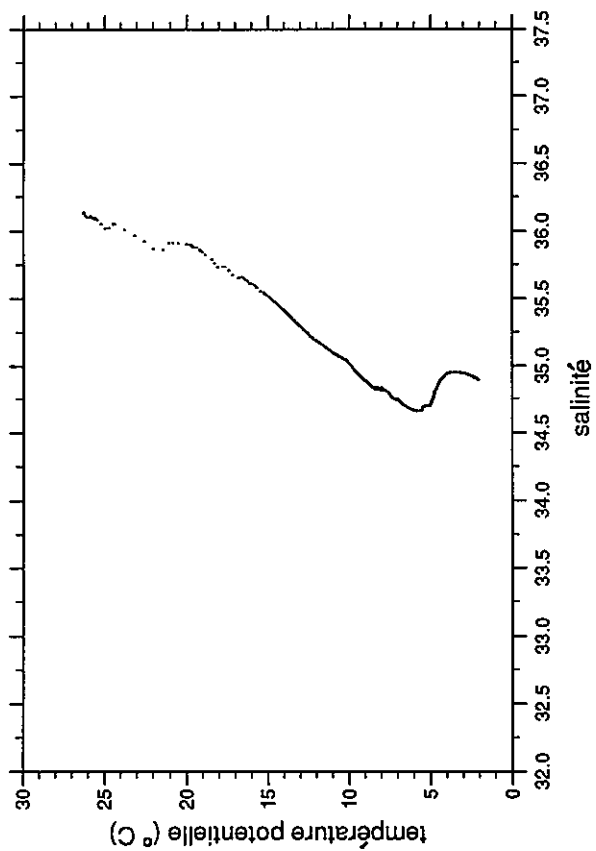
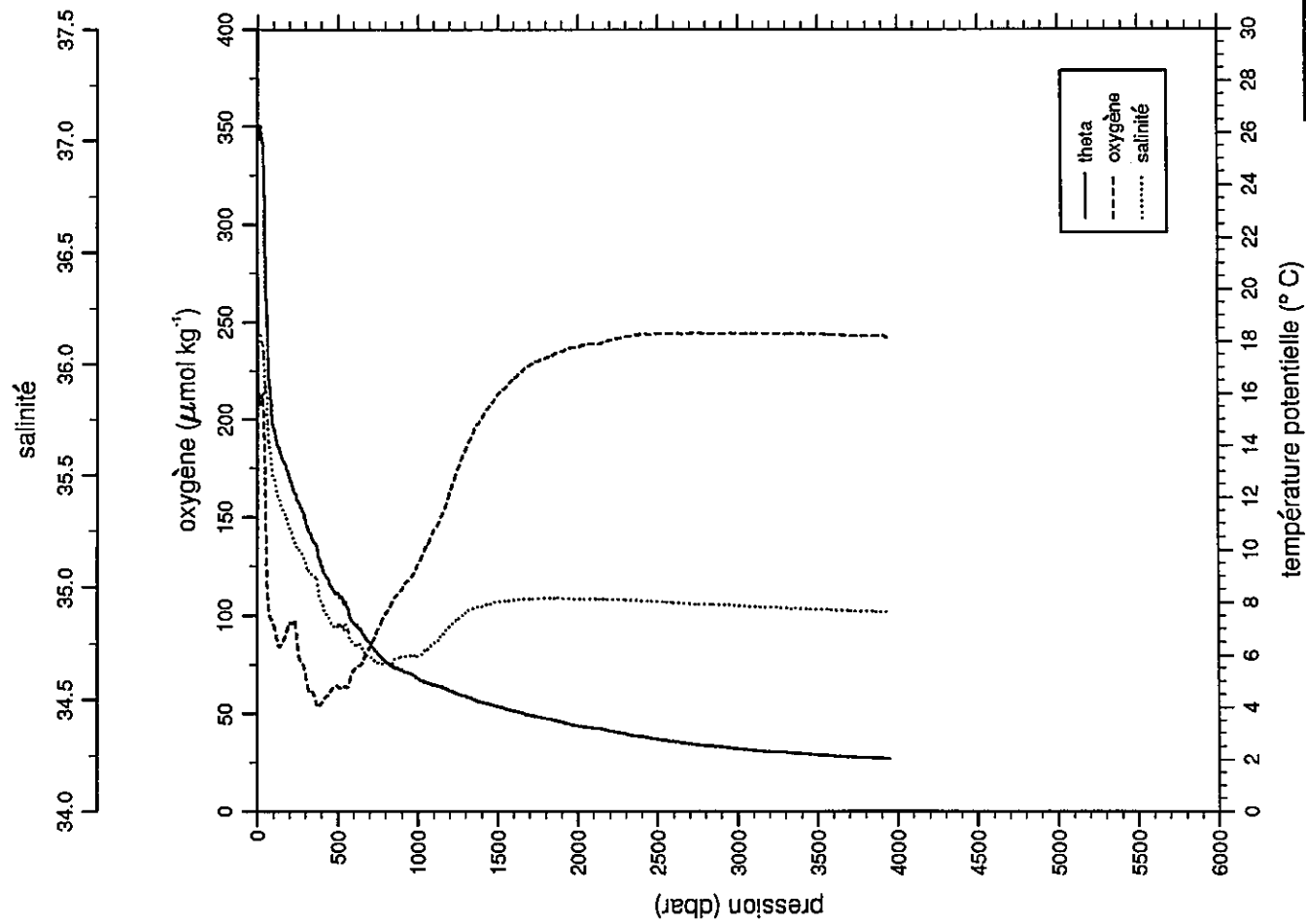
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	25.489	35.768	208.4	25.488	2850.	2.707	34.922	244.9	2.478
2.	25.489	35.768	207.6	25.488	2900.	2.674	34.919	245.0	2.441
3.	25.524	35.769	205.7	25.523	2950.	2.651	34.918	245.8	2.413
4.	25.523	35.768	206.2	25.522	3000.	2.623	34.916	245.1	2.380
5.	25.521	35.767	207.2	25.520	3050.	2.601	34.914	244.4	2.354
10.	25.493	35.769	209.6	25.491	3100.	2.589	34.913	244.4	2.336
20.	25.225	35.779	211.7	25.220	3150.	2.576	34.912	244.3	2.319
30.	25.218	35.822	212.1	25.212	3200.	2.555	34.910	244.1	2.293
40.	23.718	35.987	201.2	23.709	3250.	2.539	34.909	244.0	2.272
50.	20.752	35.898	170.2	20.743	3300.	2.528	34.908	244.0	2.257
100.	14.507	35.463	71.3	14.492	3350.	2.516	34.907	244.3	2.239
150.	13.309	35.328	82.7	13.288	3400.	2.499	34.906	244.0	2.217
200.	12.454	35.232	83.1	12.427	3450.	2.481	34.904	243.9	2.195
250.	11.851	35.167	88.7	11.818	3500.	2.464	34.902	243.9	2.172
300.	11.163	35.114	74.8	11.125	3550.	2.436	34.900	243.7	2.140
350.	10.584	35.082	58.6	10.541	3600.	2.427	34.898	243.1	2.125
400.	9.534	34.977	50.4	9.489	3650.	2.414	34.897	243.1	2.108
450.	8.900	34.911	53.9	8.851	3700.	2.400	34.896	244.0	2.088
500.	8.092	34.830	62.0	8.040	3750.	2.386	34.895	244.4	2.069
550.	7.494	34.755	73.0	7.440	3800.	2.375	34.894	244.9	2.053
600.	7.409	34.773	71.9	7.350	3850.	2.362	34.893	244.4	2.034
650.	6.669	34.702	80.2	6.608	3900.	2.355	34.891	244.2	2.022
700.	6.389	34.679	86.9	6.325	3950.	2.340	34.889	244.3	2.002
750.	6.096	34.661	93.6	6.029	4000.	2.336	34.889	242.9	1.993
800.	5.879	34.656	99.2	5.808	4017.	2.338	34.889	242.0	1.993
850.	5.679	34.656	105.6	5.605					
900.	5.432	34.653	114.0	5.354					
950.	5.329	34.672	119.1	5.247					
1000.	5.195	34.686	125.0	5.110					
1050.	5.021	34.705	134.5	4.932					
1100.	4.903	34.746	144.0	4.811					
1150.	4.840	34.789	152.2	4.744					
1200.	4.749	34.825	162.2	4.649					
1250.	4.697	34.841	168.2	4.593					
1300.	4.582	34.875	178.6	4.474					
1350.	4.492	34.897	186.8	4.381					
1400.	4.346	34.917	197.6	4.232					
1450.	4.241	34.927	205.5	4.123					
1500.	4.150	34.937	214.3	4.028					
1550.	4.053	34.940	216.0	3.928					
1600.	3.987	34.943	220.3	3.858					
1650.	3.917	34.947	223.4	3.784					
1700.	3.828	34.949	227.8	3.691					
1750.	3.746	34.950	231.1	3.606					
1800.	3.673	34.951	233.5	3.529					
1850.	3.609	34.951	235.6	3.461					
1900.	3.566	34.953	236.5	3.414					
1950.	3.503	34.953	236.4	3.348					
2000.	3.449	34.953	237.6	3.290					
2050.	3.388	34.951	239.4	3.224					
2100.	3.334	34.949	242.8	3.167					
2150.	3.287	34.949	243.4	3.116					
2200.	3.219	34.946	242.5	3.044					
2250.	3.176	34.945	242.6	2.998					
2300.	3.155	34.943	242.2	2.972					
2350.	3.117	34.943	242.6	2.930					
2400.	3.066	34.941	242.7	2.874					
2450.	3.013	34.939	242.9	2.818					
2500.	2.976	34.937	243.5	2.776					
2550.	2.935	34.935	243.2	2.732					
2600.	2.878	34.932	244.4	2.670					
2650.	2.845	34.930	244.5	2.633					
2700.	2.819	34.929	244.7	2.602					
2750.	2.779	34.927	244.9	2.558					
2800.	2.752	34.924	244.9	2.527					



Station 183

Station : 184	Campagne : CITHERR1
Date : 01-03-93	Navire : L'ATALANTE
Profondeur: 3925 m	Organisme : IFREMER
Position : N 7 34.98	
	W 19 59.98

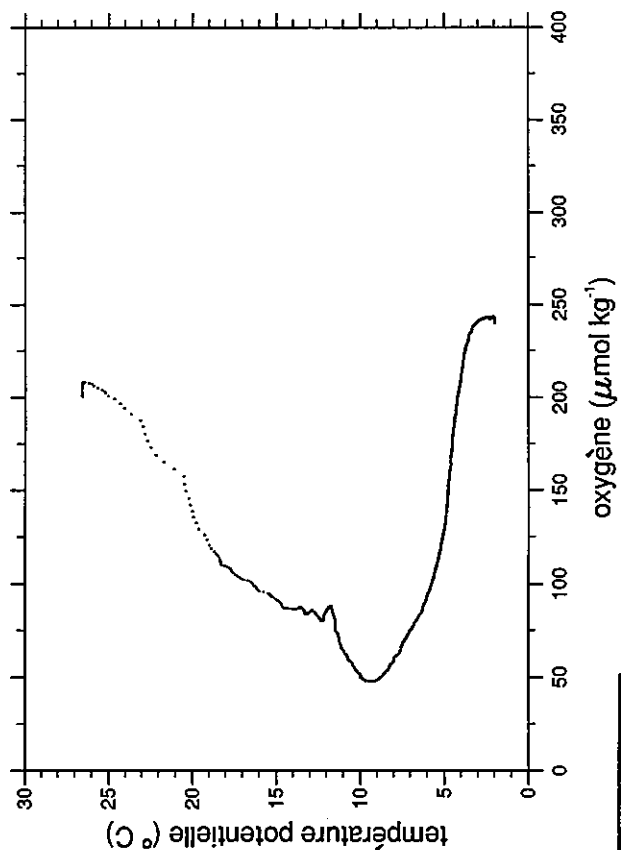
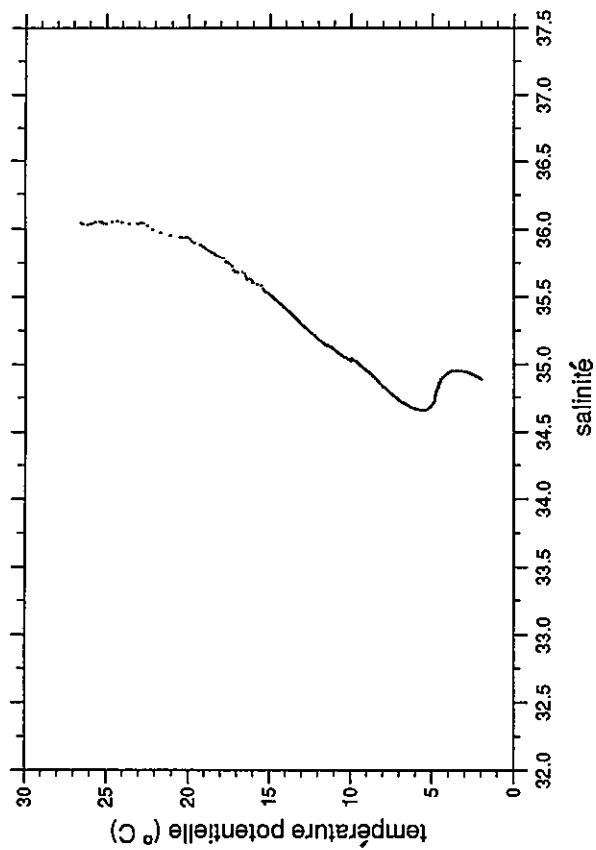
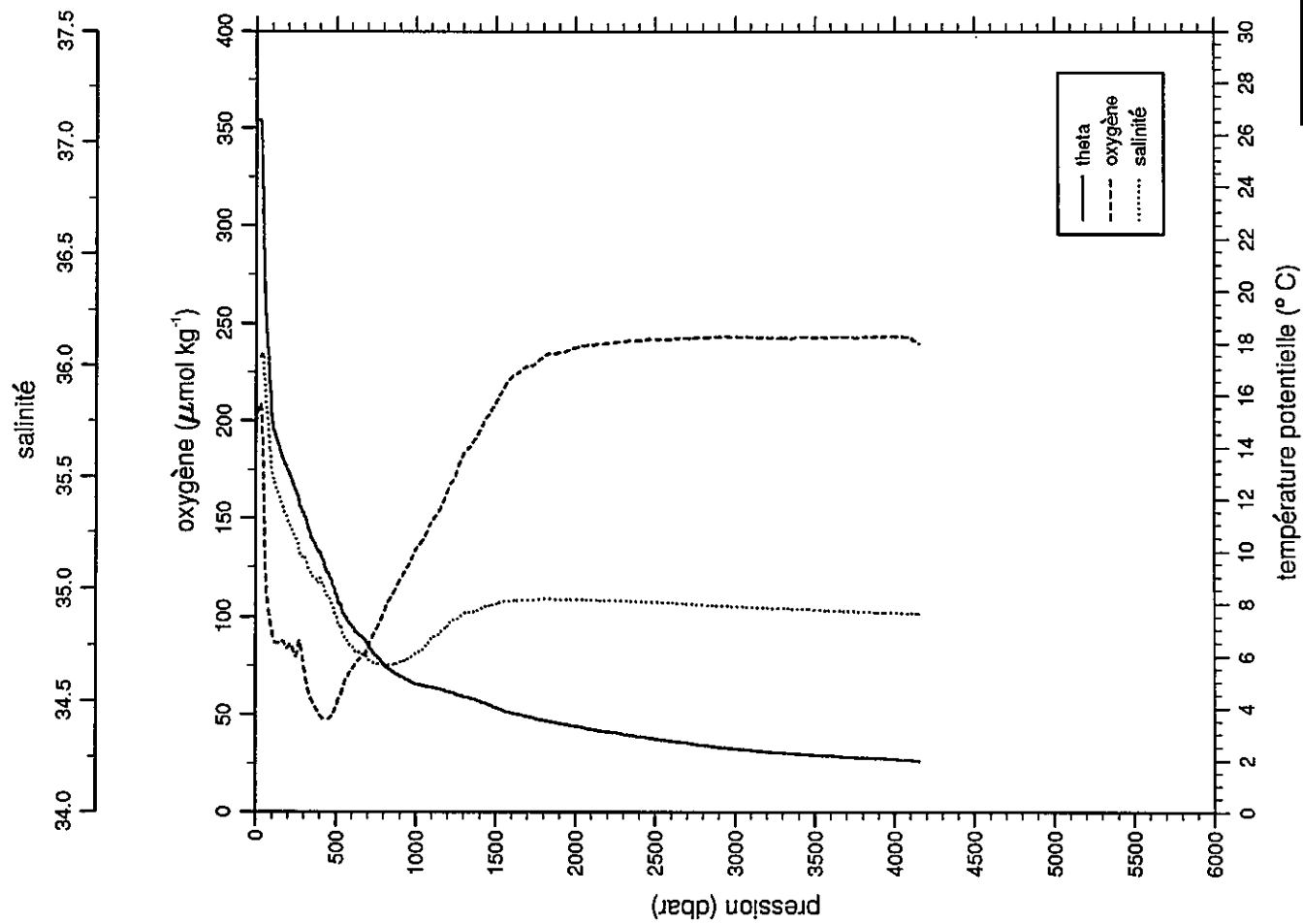
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.286	36.135	209.5	26.286	2850.	2.727	34.922	244.1	2.498
2.	26.286	36.135	220.5	26.286	2900.	2.711	34.922	244.1	2.477
3.	26.272	36.136	218.6	26.272	2950.	2.682	34.920	244.4	2.443
4.	26.279	36.135	214.8	26.279	3000.	2.656	34.918	244.0	2.413
5.	26.287	36.135	211.9	26.285	3050.	2.630	34.916	244.1	2.382
10.	26.288	36.134	208.7	26.286	3100.	2.599	34.914	244.2	2.346
20.	26.036	36.101	209.1	26.032	3150.	2.581	34.912	243.9	2.324
30.	25.606	36.097	213.2	25.600	3200.	2.567	34.911	244.0	2.305
40.	23.787	36.008	192.4	23.778	3250.	2.550	34.909	243.9	2.283
50.	19.755	35.898	151.5	19.746	3300.	2.540	34.909	243.8	2.268
100.	14.651	35.482	95.2	14.636	3350.	2.515	34.907	243.9	2.238
150.	13.544	35.358	85.5	13.522	3400.	2.500	34.906	243.9	2.218
200.	12.690	35.255	96.4	12.662	3450.	2.480	34.904	243.8	2.194
250.	11.896	35.176	84.6	11.863	3500.	2.457	34.902	243.7	2.166
300.	11.057	35.103	69.5	11.020	3550.	2.445	34.901	243.6	2.149
350.	10.342	35.047	59.9	10.300	3600.	2.428	34.899	243.3	2.126
400.	9.437	34.932	55.6	9.392	3650.	2.409	34.897	243.2	2.102
450.	8.734	34.854	60.7	8.686	3700.	2.392	34.896	242.9	2.080
500.	8.412	34.840	63.8	8.359	3750.	2.386	34.895	242.5	2.069
550.	8.037	34.833	63.7	7.980	3800.	2.384	34.894	242.8	2.061
600.	7.267	34.749	72.3	7.208	3850.	2.371	34.893	242.6	2.043
650.	6.897	34.728	75.6	6.835	3900.	2.361	34.892	243.1	2.028
700.	6.522	34.690	83.8	6.457	3948.	2.356	34.891	241.6	2.018
750.	6.107	34.665	93.0	6.040					
800.	5.798	34.662	101.1	5.727					
850.	5.582	34.668	108.3	5.509					
900.	5.484	34.693	113.0	5.406					
950.	5.375	34.696	118.4	5.293					
1000.	5.179	34.694	125.8	5.094					
1050.	5.038	34.719	134.7	4.950					
1100.	4.933	34.751	143.2	4.840					
1150.	4.862	34.787	151.0	4.765					
1200.	4.733	34.827	162.6	4.633					
1250.	4.627	34.857	174.5	4.524					
1300.	4.533	34.887	184.7	4.426					
1350.	4.401	34.906	194.1	4.291					
1400.	4.305	34.915	200.7	4.191					
1450.	4.241	34.926	207.0	4.123					
1500.	4.148	34.936	212.7	4.026					
1550.	4.074	34.939	216.5	3.949					
1600.	3.991	34.944	220.9	3.862					
1650.	3.917	34.947	224.6	3.784					
1700.	3.821	34.949	228.0	3.685					
1750.	3.774	34.950	229.9	3.633					
1800.	3.717	34.950	231.5	3.573					
1850.	3.651	34.951	233.3	3.503					
1900.	3.592	34.950	234.8	3.440					
1950.	3.502	34.949	236.6	3.347					
2000.	3.438	34.948	237.0	3.279					
2050.	3.394	34.949	238.4	3.231					
2100.	3.351	34.947	238.8	3.184					
2150.	3.320	34.947	239.3	3.149					
2200.	3.262	34.946	240.7	3.086					
2250.	3.202	34.946	241.7	3.022					
2300.	3.149	34.944	242.3	2.966					
2350.	3.087	34.941	243.3	2.900					
2400.	3.054	34.940	243.6	2.862					
2450.	3.011	34.938	243.3	2.815					
2500.	2.963	34.936	244.1	2.764					
2550.	2.934	34.934	244.0	2.730					
2600.	2.892	34.932	244.0	2.684					
2650.	2.860	34.930	243.7	2.648					
2700.	2.815	34.928	244.1	2.599					
2750.	2.770	34.926	244.4	2.550					
2800.	2.751	34.924	244.2	2.527					



Station 184

Station : 185	Campagne : CITHER1
Date : 02-03-93	Navire : L'ATALANTE
Profondeur: 4116 m	Organisme : IFREMER
Position : N 7 35.01	
W 19 29.93	

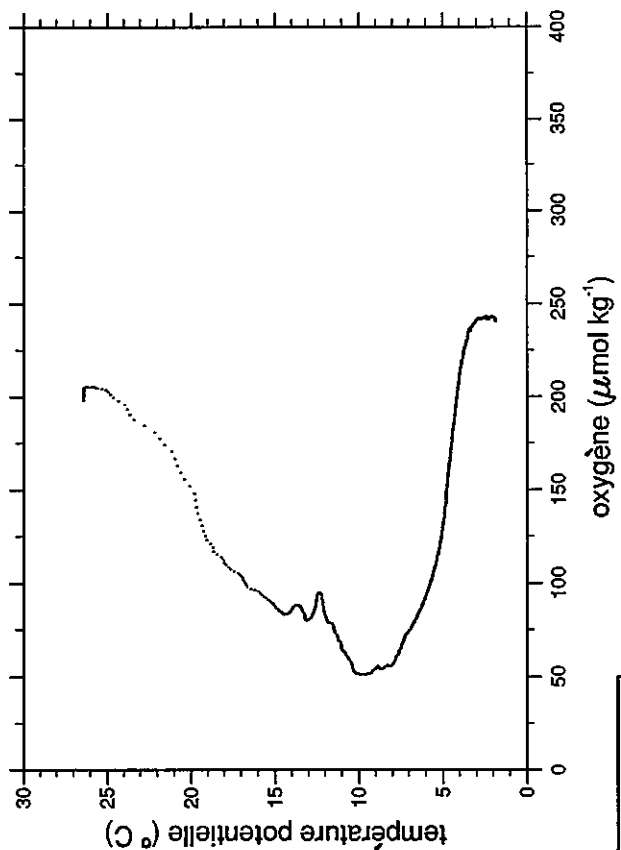
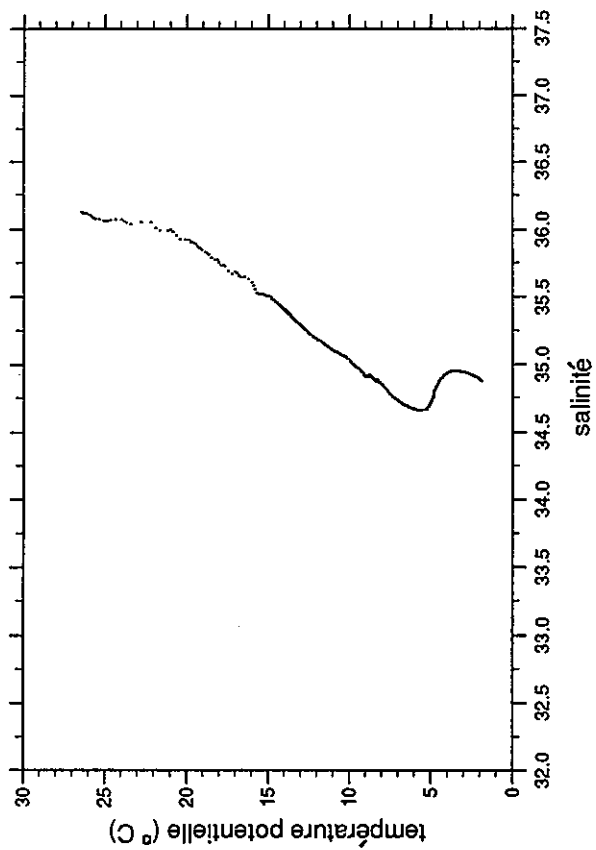
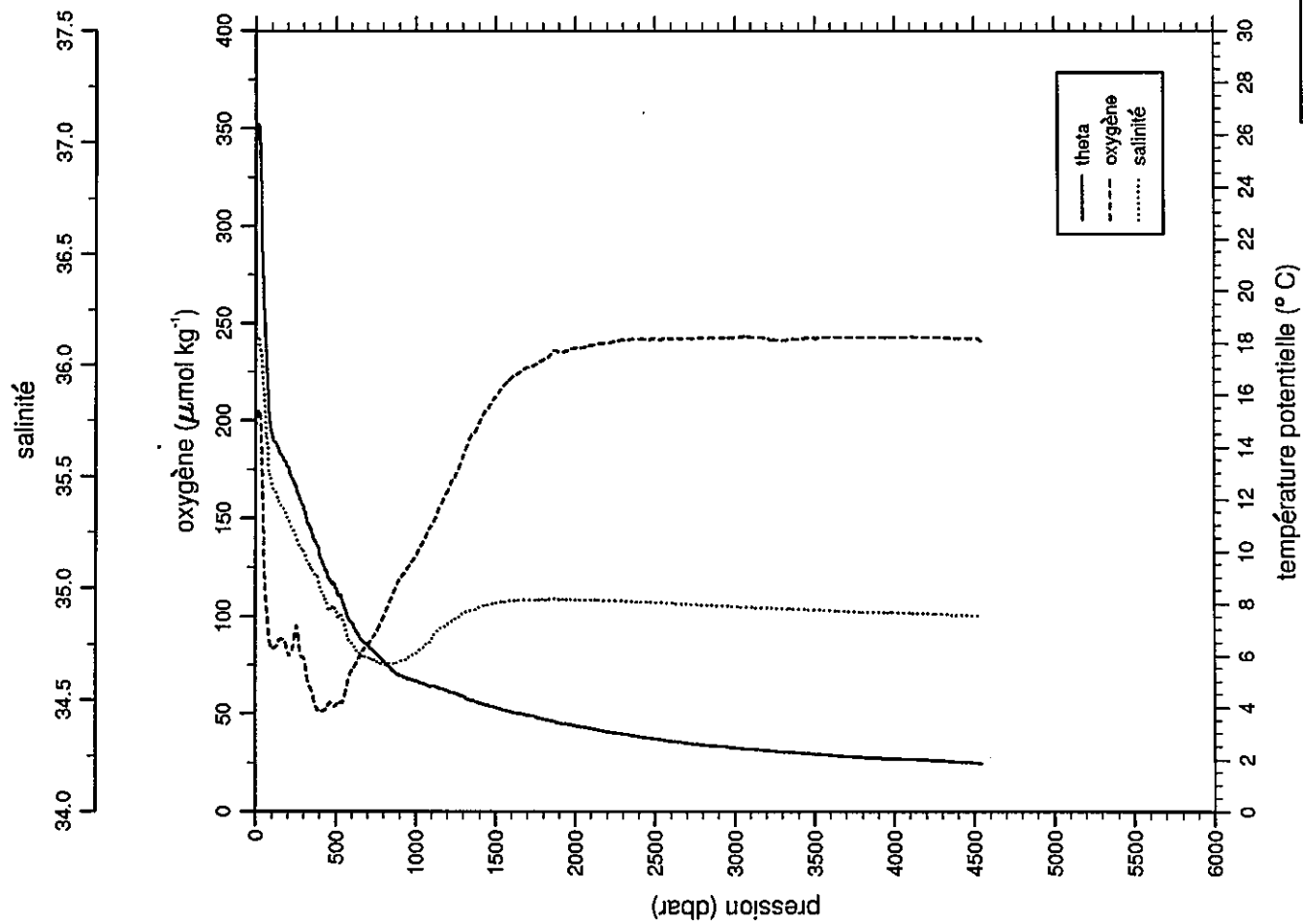
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.574	36.043	203.0	26.574	2850.	2.778	34.926	243.0	2.548
2.	26.574	36.043	201.4	26.574	2900.	2.745	34.923	243.2	2.510
3.	26.568	36.044	200.6	26.568	2950.	2.710	34.922	243.4	2.470
4.	26.570	36.044	200.9	26.569	3000.	2.692	34.920	243.0	2.448
5.	26.573	36.043	201.9	26.572	3050.	2.672	34.918	243.1	2.423
10.	26.575	36.043	204.5	26.573	3100.	2.644	34.916	243.0	2.391
20.	26.577	36.043	207.5	26.572	3150.	2.615	34.914	242.7	2.357
30.	26.192	36.030	208.0	26.185	3200.	2.595	34.913	242.9	2.332
40.	24.067	36.048	194.2	24.059	3250.	2.576	34.911	242.8	2.308
50.	20.530	35.939	157.5	20.521	3300.	2.562	34.911	242.6	2.290
100.	15.110	35.529	92.3	15.095	3350.	2.543	34.909	242.2	2.265
150.	13.938	35.403	86.4	13.917	3400.	2.529	34.907	243.1	2.247
200.	13.105	35.302	84.4	13.078	3450.	2.521	34.907	243.1	2.234
250.	12.343	35.221	80.0	12.309	3500.	2.502	34.905	242.9	2.210
300.	11.454	35.144	74.1	11.416	3550.	2.490	34.904	243.0	2.192
350.	10.516	35.056	57.4	10.474	3600.	2.476	34.903	243.0	2.173
400.	10.007	35.045	49.9	9.960	3650.	2.464	34.901	243.2	2.156
450.	9.222	34.968	47.8	9.172	3700.	2.449	34.900	243.1	2.136
500.	8.419	34.878	53.9	8.366	3750.	2.442	34.899	242.9	2.124
550.	7.645	34.788	64.9	7.589	3800.	2.431	34.898	243.1	2.107
600.	7.199	34.743	73.1	7.141	3850.	2.421	34.897	243.2	2.092
650.	6.849	34.714	78.5	6.788	3900.	2.413	34.896	243.3	2.078
700.	6.537	34.692	83.5	6.471	3950.	2.411	34.895	243.4	2.071
750.	6.098	34.669	93.2	6.031	4000.	2.404	34.894	243.4	2.059
800.	5.758	34.660	102.2	5.688	4050.	2.365	34.890	243.2	2.014
850.	5.506	34.659	110.5	5.432	4100.	2.363	34.890	242.9	2.007
900.	5.319	34.670	118.3	5.242	4150.	2.341	34.888	240.2	1.980
950.	5.181	34.688	125.2	5.100	4155.	2.333	34.887	239.9	1.972
1000.	5.012	34.712	133.9	4.929					
1050.	4.950	34.731	139.5	4.863					
1100.	4.883	34.775	147.9	4.791					
1150.	4.840	34.803	154.1	4.744					
1200.	4.731	34.830	163.9	4.631					
1250.	4.654	34.860	171.9	4.550					
1300.	4.559	34.888	182.9	4.451					
1350.	4.487	34.897	188.0	4.376					
1400.	4.398	34.909	194.4	4.283					
1450.	4.279	34.921	202.2	4.160					
1500.	4.153	34.931	209.0	4.031					
1550.	4.031	34.941	216.3	3.906					
1600.	3.954	34.945	222.3	3.825					
1650.	3.883	34.948	225.1	3.751					
1700.	3.822	34.949	228.1	3.686					
1750.	3.747	34.950	229.6	3.606					
1800.	3.684	34.951	232.4	3.540					
1850.	3.627	34.951	234.4	3.479					
1900.	3.573	34.951	235.0	3.421					
1950.	3.537	34.952	236.0	3.382					
2000.	3.477	34.950	237.5	3.317					
2050.	3.415	34.949	238.4	3.251					
2100.	3.359	34.948	238.6	3.192					
2150.	3.298	34.947	239.5	3.127					
2200.	3.267	34.946	239.9	3.092					
2250.	3.235	34.946	240.4	3.055					
2300.	3.188	34.944	240.9	3.004					
2350.	3.142	34.944	241.1	2.954					
2400.	3.100	34.942	241.3	2.908					
2450.	3.054	34.940	241.9	2.858					
2500.	3.018	34.938	241.9	2.818					
2550.	2.977	34.936	241.9	2.772					
2600.	2.944	34.935	242.0	2.736					
2650.	2.916	34.933	242.2	2.703					
2700.	2.882	34.932	242.4	2.665					
2750.	2.843	34.929	242.5	2.621					
2800.	2.808	34.927	242.7	2.582					



Station 185

Station	: 186	Campagne	: CITHER1
Date	: 02-03-93	Navire	: L'ATALANTE
Profondeur	: 4521 m	Organisme	: IFREMER
Position	: N 7 35.01		
	W 19 0.00		

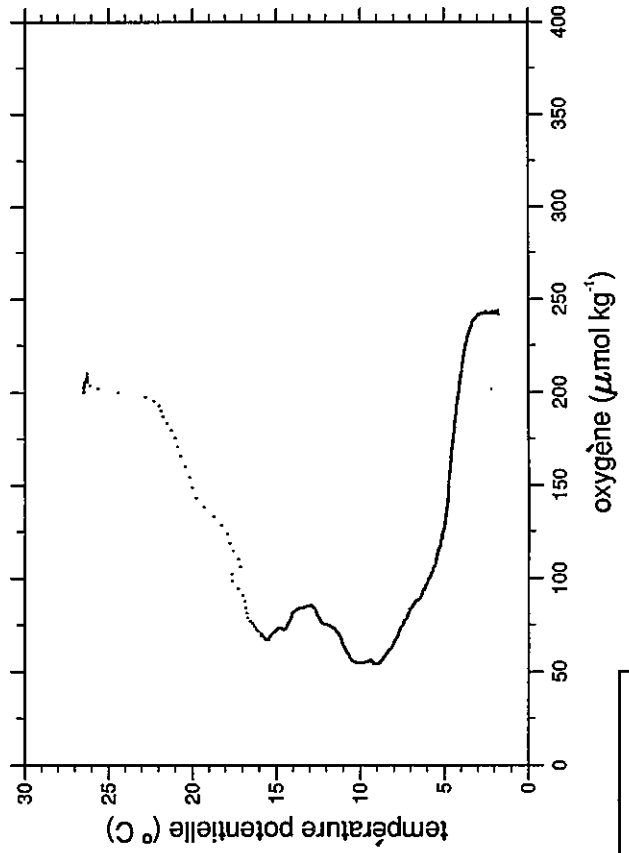
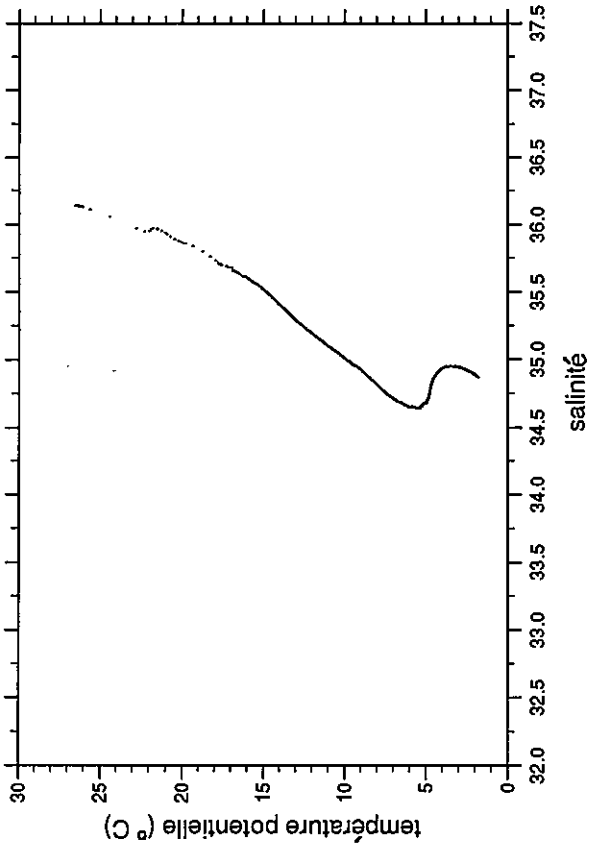
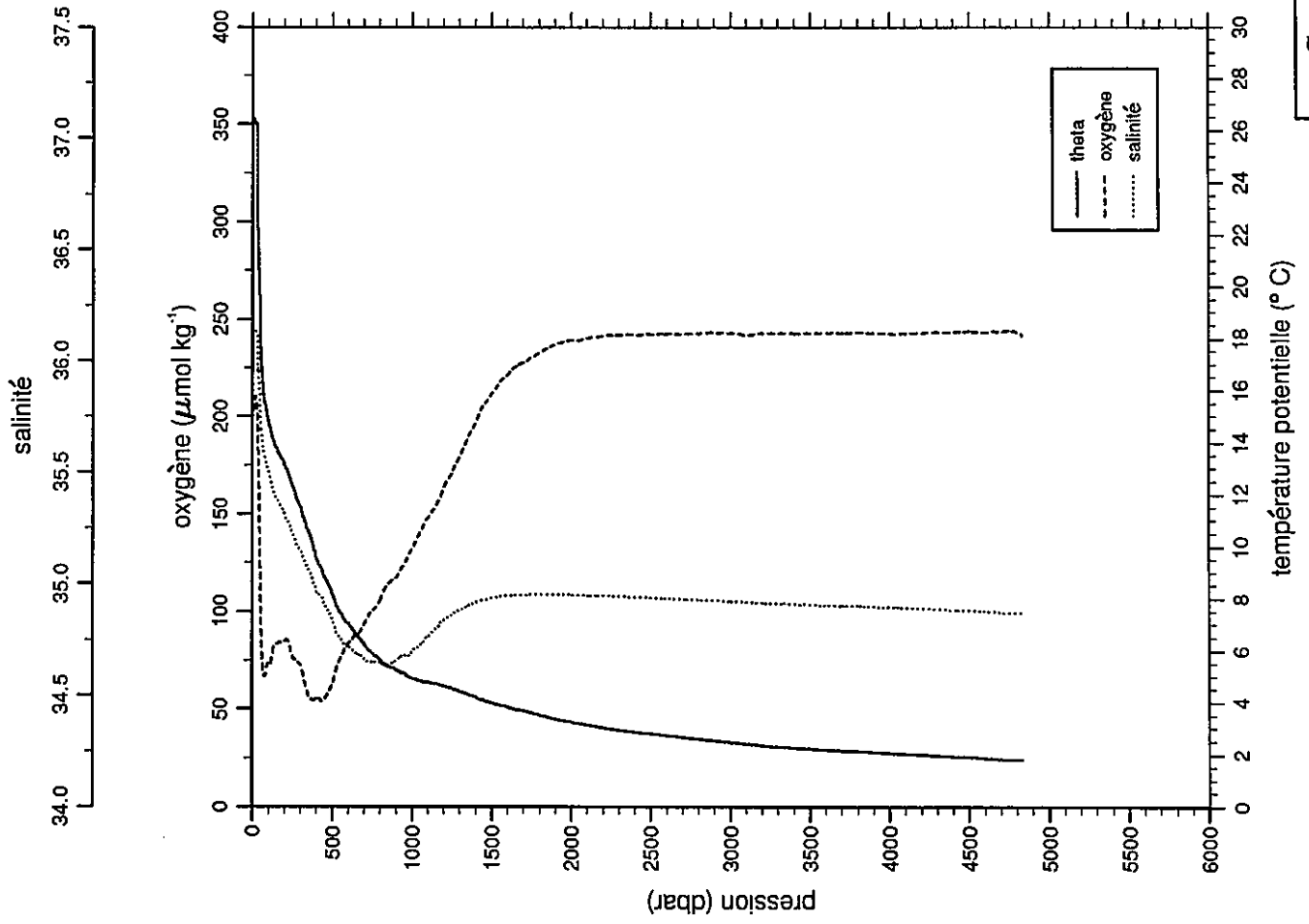
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.415	36.125	200.0	26.415	2850.	2.760	34.924	242.4	2.530
2.	26.415	36.125	200.0	26.415	2900.	2.741	34.923	242.3	2.506
3.	26.415	36.125	198.1	26.414	2950.	2.722	34.921	242.3	2.483
4.	26.432	36.126	198.0	26.431	3000.	2.687	34.918	242.5	2.443
5.	26.428	36.125	199.0	26.427	3050.	2.666	34.917	243.2	2.417
10.	26.409	36.124	200.9	26.406	3100.	2.650	34.916	242.7	2.396
20.	26.371	36.121	205.2	26.366	3150.	2.632	34.915	242.6	2.374
30.	24.824	36.060	201.4	24.817	3200.	2.612	34.914	242.4	2.349
40.	21.609	35.989	174.2	21.601	3250.	2.589	34.912	241.6	2.321
50.	19.638	35.902	137.4	19.629	3300.	2.565	34.910	241.1	2.292
100.	14.534	35.466	83.6	14.519	3350.	2.553	34.909	241.7	2.275
150.	13.799	35.382	88.1	13.777	3400.	2.538	34.908	241.9	2.255
200.	13.254	35.314	81.8	13.226	3450.	2.524	34.906	242.4	2.236
250.	12.507	35.232	93.8	12.474	3500.	2.506	34.905	242.2	2.214
300.	11.679	35.165	78.7	11.641	3550.	2.488	34.903	242.7	2.191
350.	10.777	35.091	61.4	10.734	3600.	2.471	34.902	242.9	2.168
400.	9.896	35.012	51.2	9.849	3650.	2.449	34.900	242.7	2.141
450.	9.126	34.922	54.0	9.076	3700.	2.428	34.898	242.9	2.115
500.	8.628	34.898	54.1	8.574	3750.	2.415	34.897	242.8	2.097
550.	8.000	34.845	57.4	7.943	3800.	2.402	34.896	242.8	2.079
600.	7.319	34.755	72.0	7.260	3850.	2.389	34.894	242.7	2.061
650.	6.753	34.706	79.3	6.692	3900.	2.384	34.893	242.6	2.051
700.	6.480	34.690	85.1	6.415	3950.	2.385	34.893	242.5	2.046
750.	6.163	34.673	91.4	6.095	4000.	2.384	34.892	242.6	2.039
800.	5.855	34.661	99.6	5.784	4050.	2.374	34.891	242.8	2.024
850.	5.525	34.661	109.4	5.451	4100.	2.369	34.890	243.0	2.013
900.	5.306	34.669	118.9	5.229	4150.	2.357	34.889	242.8	1.995
950.	5.191	34.688	124.7	5.111	4200.	2.345	34.887	242.9	1.978
1000.	5.098	34.710	130.4	5.014	4250.	2.342	34.886	242.6	1.970
1050.	5.003	34.736	138.2	4.914	4300.	2.334	34.885	242.6	1.956
1100.	4.900	34.770	146.5	4.808	4350.	2.316	34.883	242.5	1.933
1150.	4.830	34.816	155.4	4.734	4400.	2.297	34.880	242.1	1.908
1200.	4.744	34.841	163.8	4.644	4450.	2.286	34.879	242.1	1.892
1250.	4.635	34.863	171.8	4.531	4500.	2.272	34.877	242.0	1.872
1300.	4.519	34.888	182.1	4.412	4548.	2.253	34.874	240.6	1.848
1350.	4.384	34.903	192.5	4.274					
1400.	4.293	34.915	198.7	4.179					
1450.	4.214	34.925	205.9	4.096					
1500.	4.124	34.933	211.9	4.002					
1550.	4.014	34.940	217.9	3.889					
1600.	3.941	34.944	221.9	3.813					
1650.	3.883	34.947	224.6	3.751					
1700.	3.829	34.949	227.2	3.693					
1750.	3.775	34.949	228.7	3.634					
1800.	3.689	34.950	231.1	3.545					
1850.	3.631	34.952	234.5	3.484					
1900.	3.553	34.949	235.3	3.402					
1950.	3.507	34.950	235.9	3.352					
2000.	3.456	34.950	237.3	3.296					
2050.	3.406	34.948	237.7	3.243					
2100.	3.361	34.947	238.6	3.193					
2150.	3.301	34.946	239.5	3.130					
2200.	3.242	34.945	239.8	3.067					
2250.	3.208	34.945	240.8	3.028					
2300.	3.164	34.944	241.5	2.981					
2350.	3.117	34.942	241.8	2.930					
2400.	3.063	34.939	241.7	2.872					
2450.	3.027	34.938	241.7	2.831					
2500.	2.990	34.937	242.1	2.790					
2550.	2.956	34.935	241.9	2.752					
2600.	2.915	34.933	242.0	2.707					
2650.	2.885	34.931	242.0	2.672					
2700.	2.849	34.930	242.0	2.632					
2750.	2.820	34.928	242.3	2.599					
2800.	2.781	34.926	242.4	2.556					



Station 186

Station : 187 Campagne : CITHER1
 Date : 02-03-93 Navire : L'ATALANTE
 Profondeur: 4800 m Organisme : IFREMER
 Position : N 7 35.03
 W 18 30.00

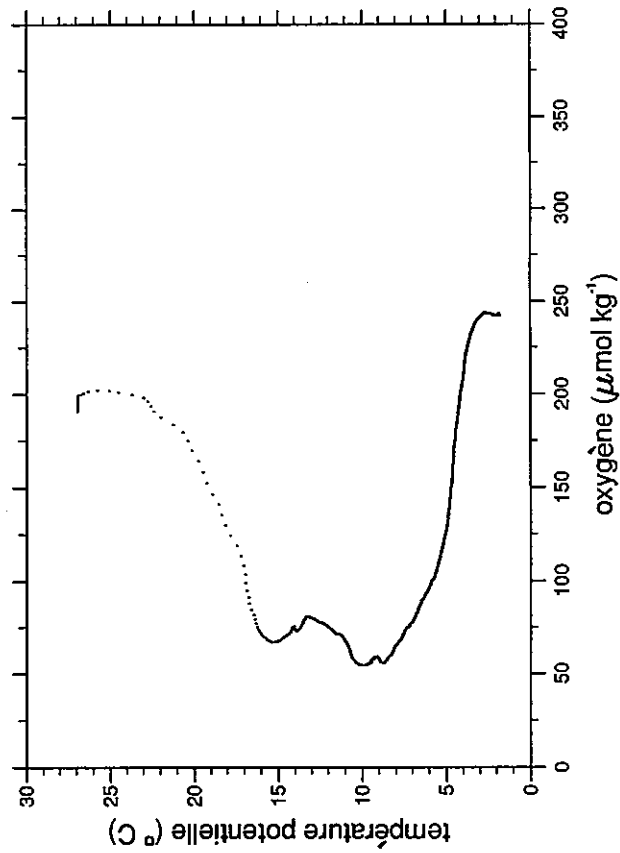
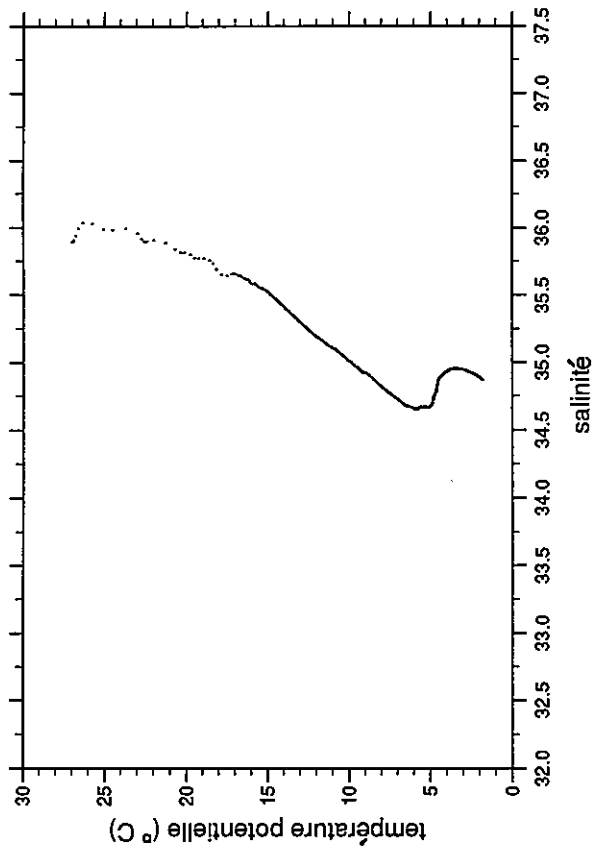
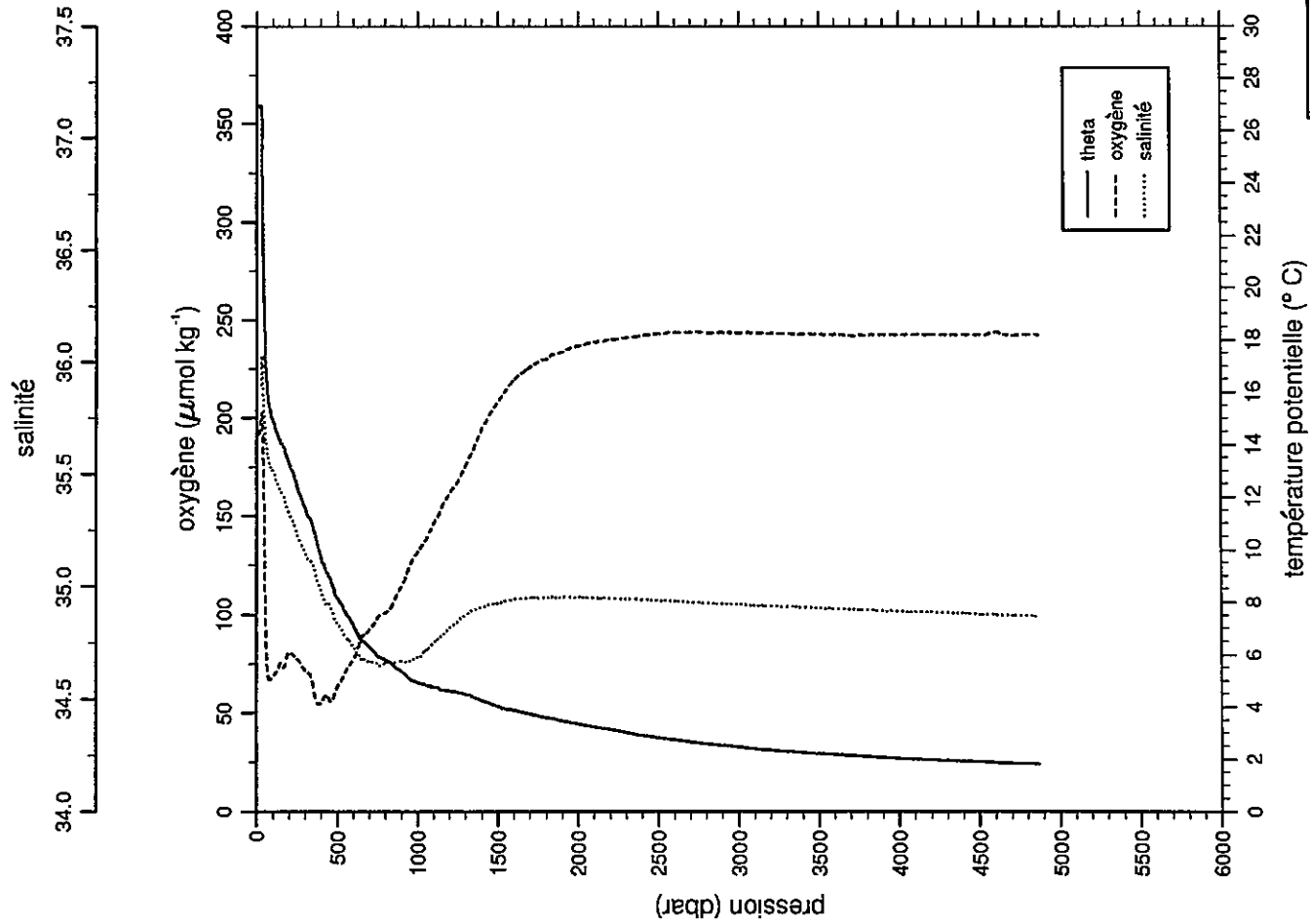
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.462	36.140	202.5	26.461	2850.	2.787	34.926	242.9	2.556
2.	26.480	36.144	200.0	26.480	2900.	2.761	34.924	243.1	2.526
3.	26.484	36.143	199.9	26.484	2950.	2.738	34.922	243.0	2.498
4.	26.486	36.142	200.4	26.485	3000.	2.707	34.921	242.7	2.462
5.	26.486	36.142	201.1	26.485	3050.	2.688	34.919	242.6	2.439
10.	26.443	36.139	204.7	26.441	3100.	2.659	34.917	241.9	2.405
20.	26.297	36.135	210.0	26.293	3150.	2.630	34.915	242.1	2.372
30.	24.425	36.055	200.0	24.418	3200.	2.604	34.913	242.5	2.341
40.	20.702	35.909	165.7	20.694	3250.	2.584	34.911	242.7	2.316
50.	17.554	35.699	114.6	17.546	3300.	2.568	34.910	242.7	2.296
100.	14.831	35.505	73.4	14.816	3350.	2.552	34.909	242.9	2.274
150.	13.800	35.382	83.2	13.778	3400.	2.541	34.909	242.4	2.258
200.	13.177	35.311	85.0	13.149	3450.	2.520	34.907	242.7	2.233
250.	12.376	35.226	77.3	12.343	3500.	2.513	34.905	242.7	2.220
300.	11.558	35.147	73.0	11.520	3550.	2.492	34.904	242.8	2.194
350.	10.651	35.066	57.3	10.608	3600.	2.486	34.903	242.7	2.183
400.	9.581	34.965	55.4	9.535	3650.	2.465	34.901	243.2	2.157
450.	8.916	34.911	54.6	8.867	3700.	2.459	34.901	242.9	2.146
500.	8.207	34.838	62.5	8.155	3750.	2.451	34.900	242.9	2.133
550.	7.491	34.753	75.5	7.436	3800.	2.447	34.899	243.0	2.123
600.	7.108	34.720	83.4	7.050	3850.	2.440	34.898	242.9	2.110
650.	6.690	34.688	88.2	6.629	3900.	2.422	34.897	242.6	2.088
700.	6.324	34.664	93.4	6.260	3950.	2.410	34.895	242.8	2.070
750.	5.960	34.647	100.0	5.893	4000.	2.396	34.893	242.5	2.051
800.	5.725	34.647	105.6	5.655	4050.	2.390	34.893	242.2	2.039
850.	5.461	34.637	113.9	5.388	4100.	2.382	34.892	242.5	2.025
900.	5.344	34.653	117.1	5.267	4150.	2.368	34.890	242.8	2.006
950.	5.213	34.681	123.7	5.132	4200.	2.361	34.888	242.9	1.994
1000.	5.025	34.694	132.0	4.941	4250.	2.355	34.887	243.0	1.981
1050.	4.910	34.725	140.3	4.822	4300.	2.340	34.885	243.2	1.961
1100.	4.861	34.764	148.0	4.769	4350.	2.325	34.884	243.2	1.941
1150.	4.804	34.796	154.2	4.708	4400.	2.315	34.882	243.3	1.925
1200.	4.718	34.835	163.5	4.619	4450.	2.306	34.881	243.5	1.911
1250.	4.646	34.858	170.6	4.543	4500.	2.303	34.880	243.6	1.901
1300.	4.533	34.881	179.4	4.425	4550.	2.288	34.877	243.4	1.882
1350.	4.417	34.899	188.7	4.306	4600.	2.269	34.875	243.2	1.857
1400.	4.307	34.916	197.0	4.193	4650.	2.261	34.874	243.7	1.843
1450.	4.199	34.926	205.8	4.081	4700.	2.240	34.870	243.4	1.816
1500.	4.097	34.933	211.4	3.976	4750.	2.219	34.868	243.8	1.790
1550.	4.005	34.940	217.4	3.880	4800.	2.225	34.868	243.0	1.790
1600.	3.942	34.945	221.2	3.813	4833.	2.230	34.869	241.6	1.790
1650.	3.858	34.948	225.5	3.726					
1700.	3.811	34.949	227.6	3.675					
1750.	3.738	34.950	230.2	3.598					
1800.	3.658	34.951	232.7	3.515					
1850.	3.576	34.951	234.9	3.429					
1900.	3.505	34.951	236.9	3.354					
1950.	3.444	34.951	238.2	3.289					
2000.	3.401	34.949	239.1	3.243					
2050.	3.350	34.948	239.0	3.187					
2100.	3.297	34.947	240.2	3.130					
2150.	3.245	34.947	240.8	3.074					
2200.	3.197	34.945	241.3	3.023					
2250.	3.150	34.943	241.7	2.972					
2300.	3.114	34.942	241.7	2.932					
2350.	3.083	34.941	242.0	2.896					
2400.	3.052	34.939	241.8	2.861					
2450.	3.019	34.938	242.1	2.824					
2500.	2.998	34.937	242.1	2.798					
2550.	2.959	34.935	242.3	2.755					
2600.	2.928	34.934	242.4	2.719					
2650.	2.895	34.931	242.2	2.683					
2700.	2.869	34.931	242.3	2.651					
2750.	2.841	34.929	242.5	2.619					
2800.	2.815	34.927	242.5	2.589					



Station 187

Station : 188 Campagne : CITHER1
 Date : 02-03-93 Navire : L'ATALANTE
 Profondeur: 4842 m Organisme : IFREMER
 Position : N 7 34.98
 W 18 0.00

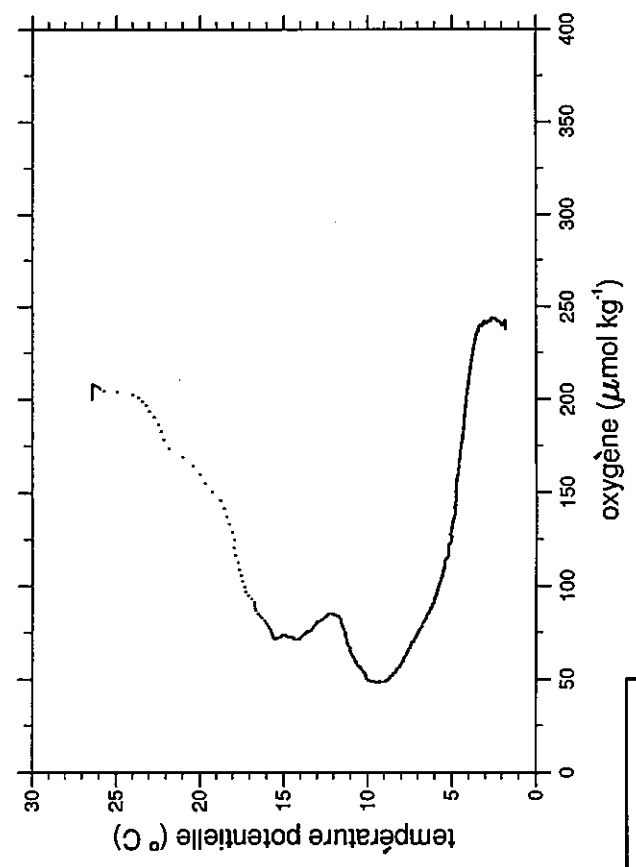
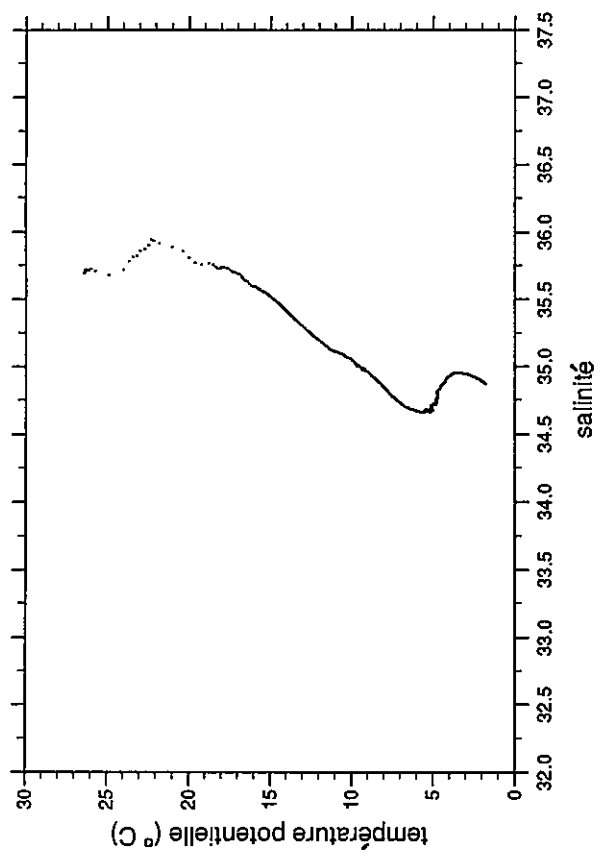
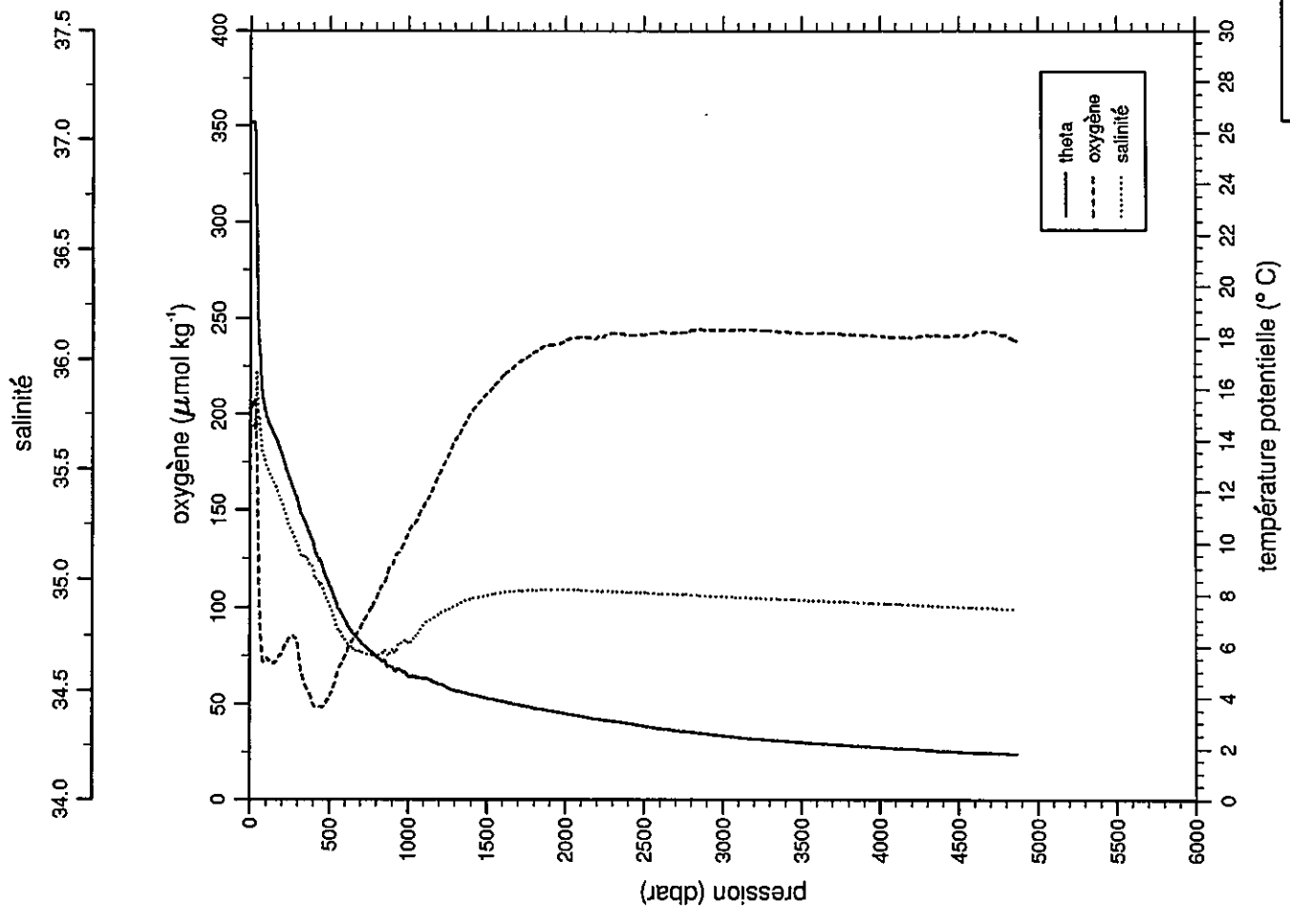
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.948	35.891	193.3	26.948	2850.	2.780	34.926	243.4	2.550
2.	26.948	35.891	193.4	26.947	2900.	2.757	34.925	243.6	2.522
3.	26.938	35.891	194.2	26.938	2950.	2.735	34.923	243.6	2.496
4.	26.944	35.891	194.1	26.943	3000.	2.702	34.921	243.5	2.457
5.	26.948	35.891	193.4	26.947	3050.	2.668	34.919	243.5	2.420
10.	26.947	35.891	190.8	26.944	3100.	2.646	34.918	243.5	2.392
20.	26.948	35.891	195.0	26.943	3150.	2.621	34.915	243.3	2.363
30.	25.749	36.027	202.2	25.742	3200.	2.603	34.914	243.2	2.340
40.	20.659	35.839	179.7	20.652	3250.	2.581	34.912	243.2	2.313
50.	17.849	35.651	124.6	17.841	3300.	2.561	34.910	243.0	2.289
100.	14.908	35.511	68.3	14.893	3350.	2.545	34.910	242.9	2.268
150.	14.063	35.416	75.3	14.041	3400.	2.532	34.908	242.9	2.250
200.	13.279	35.325	80.9	13.251	3450.	2.517	34.907	243.0	2.229
250.	12.386	35.231	77.4	12.353	3500.	2.502	34.906	242.6	2.209
300.	11.564	35.148	71.6	11.526	3550.	2.486	34.904	242.5	2.189
350.	10.826	35.090	63.7	10.783	3600.	2.470	34.903	242.6	2.168
400.	9.705	34.976	55.4	9.659	3650.	2.458	34.901	242.4	2.151
450.	8.988	34.922	57.1	8.939	3700.	2.445	34.900	242.1	2.132
500.	8.182	34.833	63.5	8.130	3750.	2.431	34.898	242.3	2.113
550.	7.661	34.781	70.5	7.605	3800.	2.413	34.897	242.2	2.090
600.	7.135	34.730	77.4	7.077	3850.	2.402	34.895	242.4	2.074
650.	6.551	34.675	88.4	6.490	3900.	2.391	34.894	242.4	2.057
700.	6.328	34.668	92.4	6.264	3950.	2.375	34.893	242.4	2.036
750.	5.990	34.648	98.1	5.923	4000.	2.369	34.892	242.4	2.024
800.	5.834	34.655	100.8	5.763	4050.	2.361	34.890	242.5	2.010
850.	5.648	34.664	105.9	5.573	4100.	2.351	34.889	242.6	1.996
900.	5.416	34.670	114.4	5.338	4150.	2.334	34.887	242.5	1.973
950.	5.151	34.670	124.7	5.071	4200.	2.335	34.887	242.6	1.968
1000.	5.006	34.683	131.9	4.923	4250.	2.324	34.885	242.5	1.952
1050.	4.940	34.716	137.8	4.852	4300.	2.318	34.884	242.5	1.940
1100.	4.844	34.753	146.3	4.752	4350.	2.309	34.882	242.4	1.926
1150.	4.737	34.780	154.7	4.641	4400.	2.307	34.882	242.4	1.918
1200.	4.706	34.814	161.8	4.607	4450.	2.301	34.881	242.3	1.906
1250.	4.658	34.844	167.6	4.554	4500.	2.291	34.878	242.3	1.890
1300.	4.580	34.873	175.9	4.472	4550.	2.278	34.878	242.7	1.871
1350.	4.470	34.896	184.9	4.359	4600.	2.267	34.875	243.6	1.855
1400.	4.349	34.909	194.4	4.234	4650.	2.260	34.874	242.5	1.842
1450.	4.242	34.919	202.1	4.124	4700.	2.255	34.873	242.1	1.831
1500.	4.133	34.928	208.3	4.012	4750.	2.253	34.872	242.3	1.823
1550.	4.038	34.936	214.3	3.913	4800.	2.257	34.870	242.4	1.821
1600.	3.991	34.943	219.4	3.862	4850.	2.249	34.869	242.4	1.807
1650.	3.916	34.947	223.1	3.783	4869.	2.239	34.868	242.2	1.795
1700.	3.854	34.949	226.0	3.717					
1750.	3.788	34.951	228.5	3.647					
1800.	3.739	34.950	229.8	3.594					
1850.	3.681	34.951	232.6	3.533					
1900.	3.610	34.952	233.7	3.458					
1950.	3.558	34.952	235.5	3.402					
2000.	3.503	34.952	236.8	3.343					
2050.	3.442	34.951	237.9	3.278					
2100.	3.400	34.950	238.8	3.232					
2150.	3.353	34.950	239.2	3.181					
2200.	3.305	34.948	240.0	3.129					
2250.	3.257	34.947	240.3	3.076					
2300.	3.190	34.945	240.9	3.006					
2350.	3.135	34.944	241.5	2.947					
2400.	3.092	34.942	242.1	2.900					
2450.	3.051	34.940	242.6	2.855					
2500.	3.015	34.939	243.1	2.814					
2550.	2.971	34.937	243.5	2.766					
2600.	2.940	34.935	243.8	2.732					
2650.	2.912	34.934	243.7	2.699					
2700.	2.872	34.931	243.7	2.655					
2750.	2.841	34.930	243.9	2.620					
2800.	2.810	34.928	243.4	2.583					



Station 188

Station : 189	Campagne : CITHER1
Date : 03-03-93	Navire : L'ATALANTE
Profondeur: 4847 m	Organisme : IFRIMER
Position : N 7 35.05	
W 17 19.91	

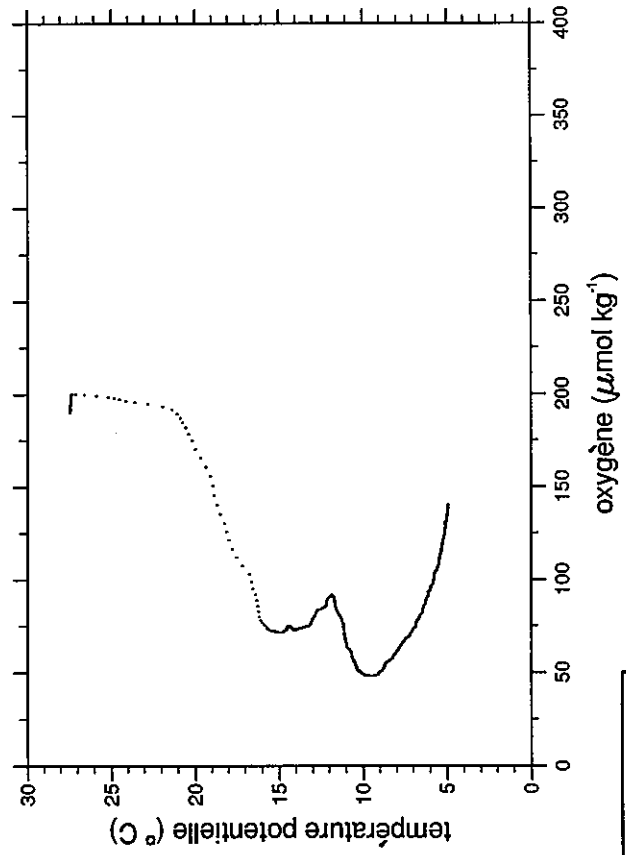
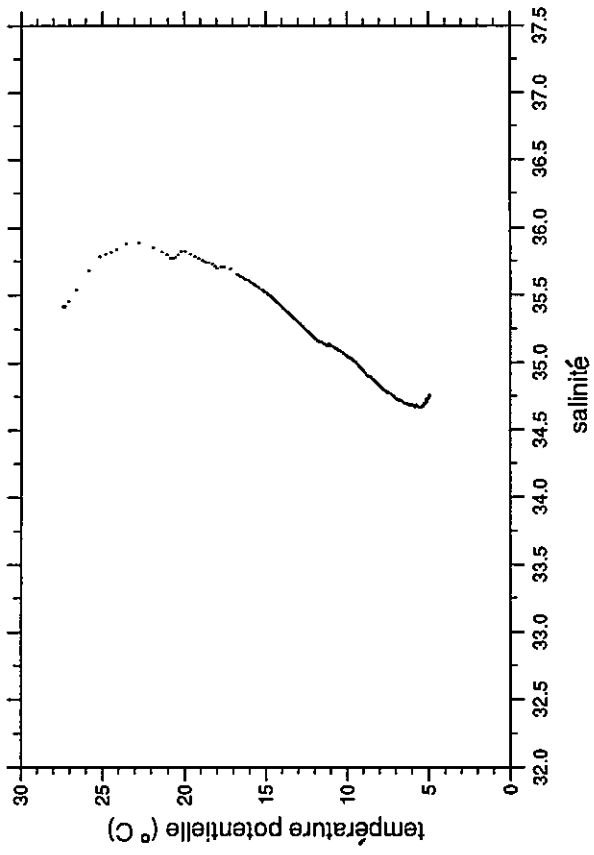
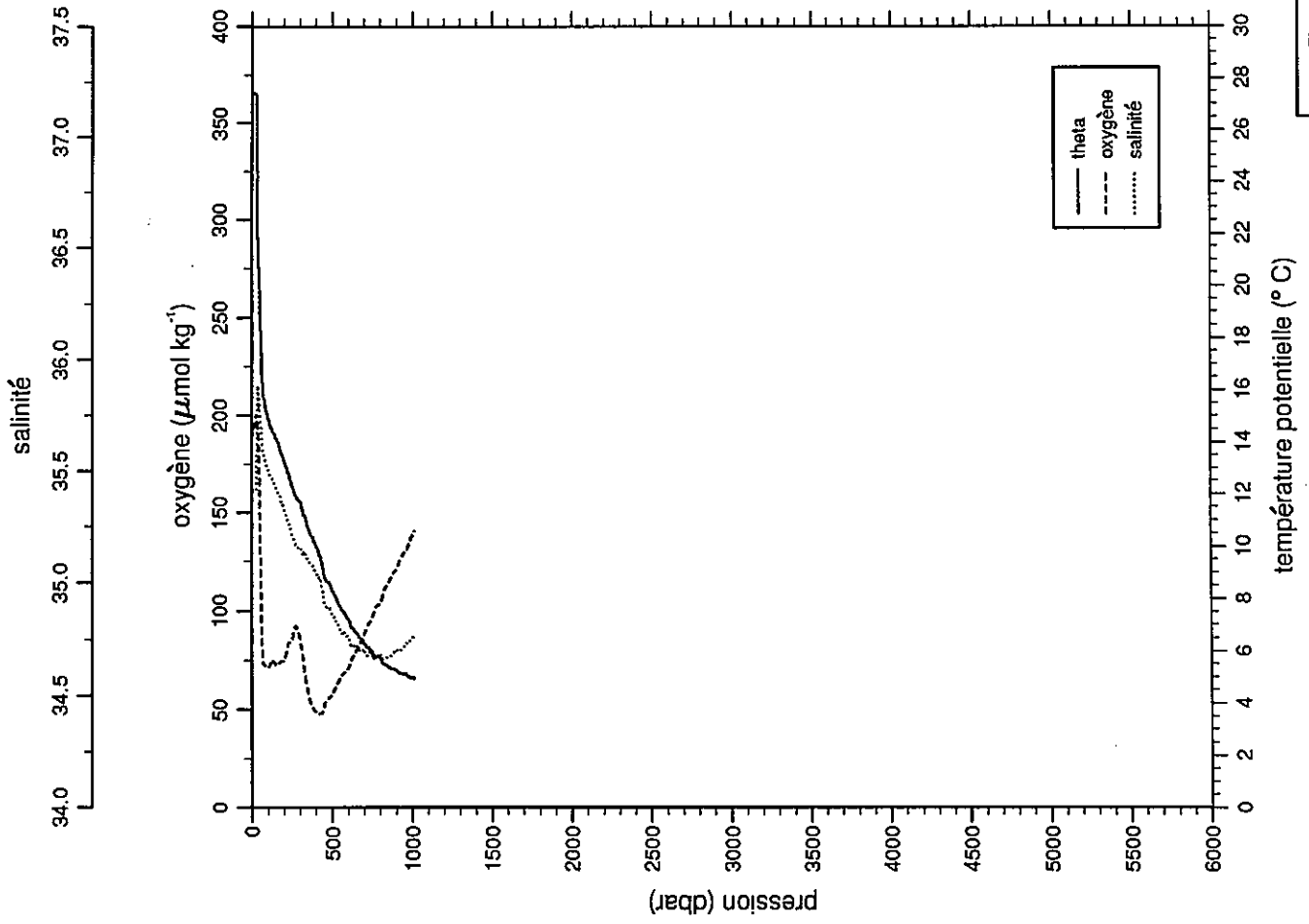
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.395	35.692	202.4	26.395	2850.	2.854	34.930	243.9	2.622
2.	26.395	35.692	200.6	26.395	2900.	2.824	34.928	243.9	2.588
3.	26.399	35.691	200.0	26.399	2950.	2.792	34.925	243.7	2.551
4.	26.396	35.691	200.6	26.395	3000.	2.765	34.924	243.5	2.519
5.	26.394	35.691	201.4	26.393	3050.	2.736	34.922	243.4	2.486
10.	26.396	35.692	203.6	26.394	3100.	2.702	34.920	243.7	2.448
20.	26.400	35.689	207.2	26.396	3150.	2.678	34.918	243.8	2.418
30.	25.959	35.725	205.8	25.952	3200.	2.648	34.916	243.7	2.384
40.	22.294	35.942	182.7	22.286	3250.	2.634	34.915	243.5	2.365
50.	18.417	35.743	137.4	18.408	3300.	2.621	34.914	243.4	2.347
100.	15.004	35.518	73.6	14.989	3350.	2.601	34.913	242.9	2.323
150.	14.223	35.435	71.2	14.202	3400.	2.580	34.911	243.0	2.296
200.	13.445	35.344	75.8	13.417	3450.	2.563	34.909	242.3	2.274
250.	12.474	35.239	84.3	12.441	3500.	2.544	34.908	242.2	2.251
300.	11.635	35.157	81.0	11.597	3550.	2.524	34.907	242.1	2.225
350.	10.781	35.100	59.9	10.738	3600.	2.508	34.905	242.1	2.204
400.	10.011	35.048	49.6	9.964	3650.	2.492	34.904	242.2	2.183
450.	9.292	34.983	48.6	9.242	3700.	2.482	34.903	242.0	2.168
500.	8.371	34.879	53.8	8.318	3750.	2.471	34.901	241.7	2.152
550.	7.672	34.791	65.1	7.617	3800.	2.454	34.900	241.5	2.130
600.	7.079	34.731	74.7	7.021	3850.	2.439	34.898	241.3	2.109
650.	6.562	34.688	83.1	6.502	3900.	2.421	34.896	241.3	2.086
700.	6.241	34.675	89.5	6.177	3950.	2.409	34.895	240.9	2.069
750.	5.939	34.662	97.2	5.872	4000.	2.397	34.894	240.7	2.052
800.	5.677	34.659	104.8	5.608	4050.	2.388	34.893	240.4	2.037
850.	5.508	34.675	112.6	5.435	4100.	2.371	34.890	240.2	2.015
900.	5.268	34.680	121.6	5.192	4150.	2.361	34.889	240.1	2.000
950.	5.158	34.710	128.7	5.078	4200.	2.352	34.888	240.0	1.985
1000.	4.928	34.715	137.6	4.845	4250.	2.339	34.886	240.5	1.967
1050.	4.885	34.745	143.7	4.798	4300.	2.329	34.884	241.0	1.951
1100.	4.855	34.799	151.7	4.764	4350.	2.314	34.883	241.0	1.930
1150.	4.769	34.824	159.1	4.674	4400.	2.303	34.881	240.6	1.914
1200.	4.617	34.846	168.4	4.518	4450.	2.292	34.879	240.5	1.897
1250.	4.511	34.863	176.9	4.408	4500.	2.279	34.878	241.2	1.878
1300.	4.387	34.882	186.2	4.281	4550.	2.270	34.876	241.2	1.864
1350.	4.322	34.900	193.4	4.212	4600.	2.263	34.875	241.8	1.851
1400.	4.236	34.913	200.4	4.123	4650.	2.259	34.874	242.9	1.841
1450.	4.171	34.920	205.9	4.054	4700.	2.258	34.873	243.0	1.834
1500.	4.098	34.925	210.6	3.977	4750.	2.247	34.871	241.5	1.817
1550.	4.044	34.935	215.0	3.919	4800.	2.244	34.869	241.2	1.808
1600.	3.985	34.941	219.7	3.856	4850.	2.248	34.869	238.9	1.806
1650.	3.917	34.944	223.1	3.784	4866.	2.251	34.869	238.4	1.806
1700.	3.861	34.949	227.0	3.724					
1750.	3.816	34.950	229.2	3.675					
1800.	3.746	34.952	232.1	3.602					
1850.	3.699	34.954	234.8	3.550					
1900.	3.650	34.954	235.9	3.497					
1950.	3.609	34.953	236.5	3.452					
2000.	3.559	34.953	238.6	3.398					
2050.	3.498	34.953	240.0	3.333					
2100.	3.450	34.952	240.3	3.281					
2150.	3.391	34.949	240.0	3.219					
2200.	3.350	34.948	239.9	3.173					
2250.	3.305	34.948	240.7	3.124					
2300.	3.267	34.947	242.2	3.082					
2350.	3.230	34.945	242.0	3.041					
2400.	3.189	34.943	241.0	2.995					
2450.	3.144	34.941	241.3	2.946					
2500.	3.090	34.941	241.5	2.889					
2550.	3.048	34.939	242.0	2.842					
2600.	3.007	34.937	242.5	2.797					
2650.	2.977	34.936	242.4	2.762					
2700.	2.944	34.935	242.3	2.726					
2750.	2.912	34.933	242.5	2.689					
2800.	2.886	34.932	243.6	2.659					



Station 189

Station	: 190	Campagne	: CITHER1
Date	: 03-03-93	Navire	: L'ATALANTE
Profondeur:	4767 m	Organisme	: IFREMER
Position	: N 7 35.00		
	W 16 49.96		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	27.425	35.415	192.3	27.424
2.	27.425	35.415	191.5	27.424
3.	27.437	35.416	190.2	27.437
4.	27.440	35.415	190.2	27.440
5.	27.443	35.415	191.1	27.442
10.	27.413	35.414	193.8	27.411
20.	27.388	35.413	198.1	27.383
30.	25.176	35.785	198.5	25.169
40.	20.728	35.770	184.7	20.720
50.	18.710	35.743	140.0	18.701
100.	14.885	35.506	71.3	14.870
150.	14.115	35.422	72.6	14.093
200.	13.241	35.322	75.2	13.213
250.	12.289	35.215	85.7	12.256
300.	11.680	35.156	85.4	11.642
350.	10.705	35.100	58.6	10.662
400.	9.978	35.037	48.9	9.931
450.	8.874	34.917	51.7	8.825
500.	8.294	34.856	57.9	8.241
550.	7.710	34.792	65.8	7.654
600.	7.248	34.758	70.9	7.189
650.	6.744	34.716	79.5	6.683
700.	6.323	34.690	88.2	6.259
750.	6.019	34.684	96.5	5.952
800.	5.796	34.684	103.7	5.726
850.	5.470	34.672	114.0	5.397
900.	5.308	34.699	121.2	5.231
950.	5.173	34.720	129.5	5.092
1000.	5.024	34.752	138.3	4.940
1013.	5.008	34.758	140.2	4.923



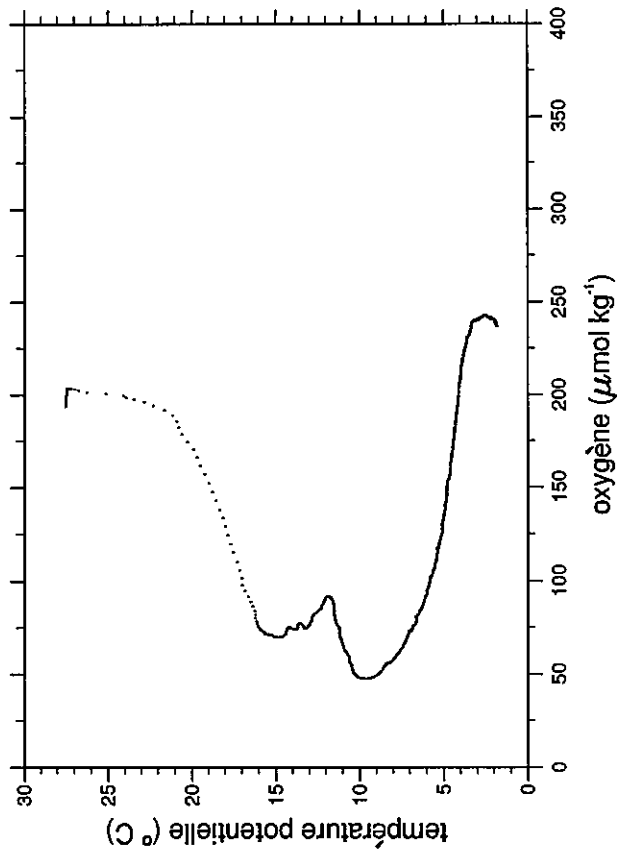
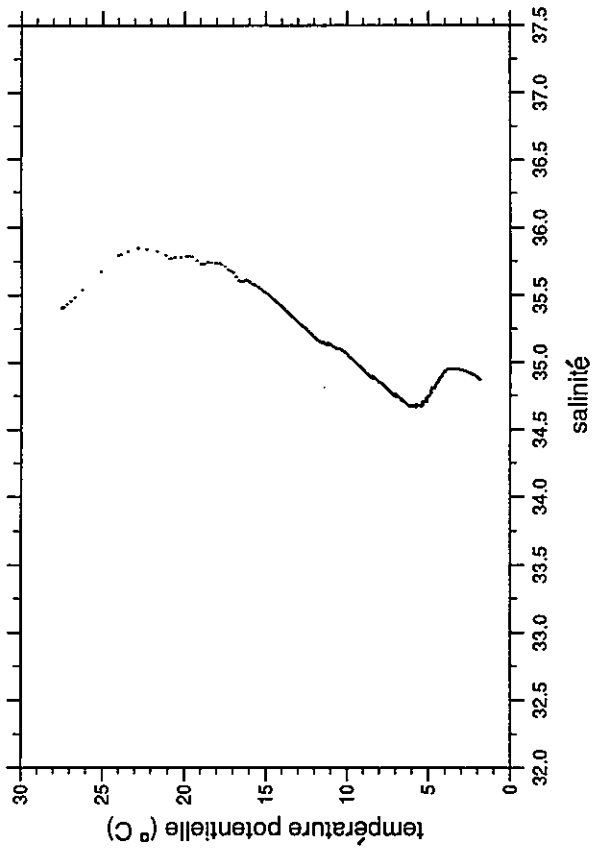
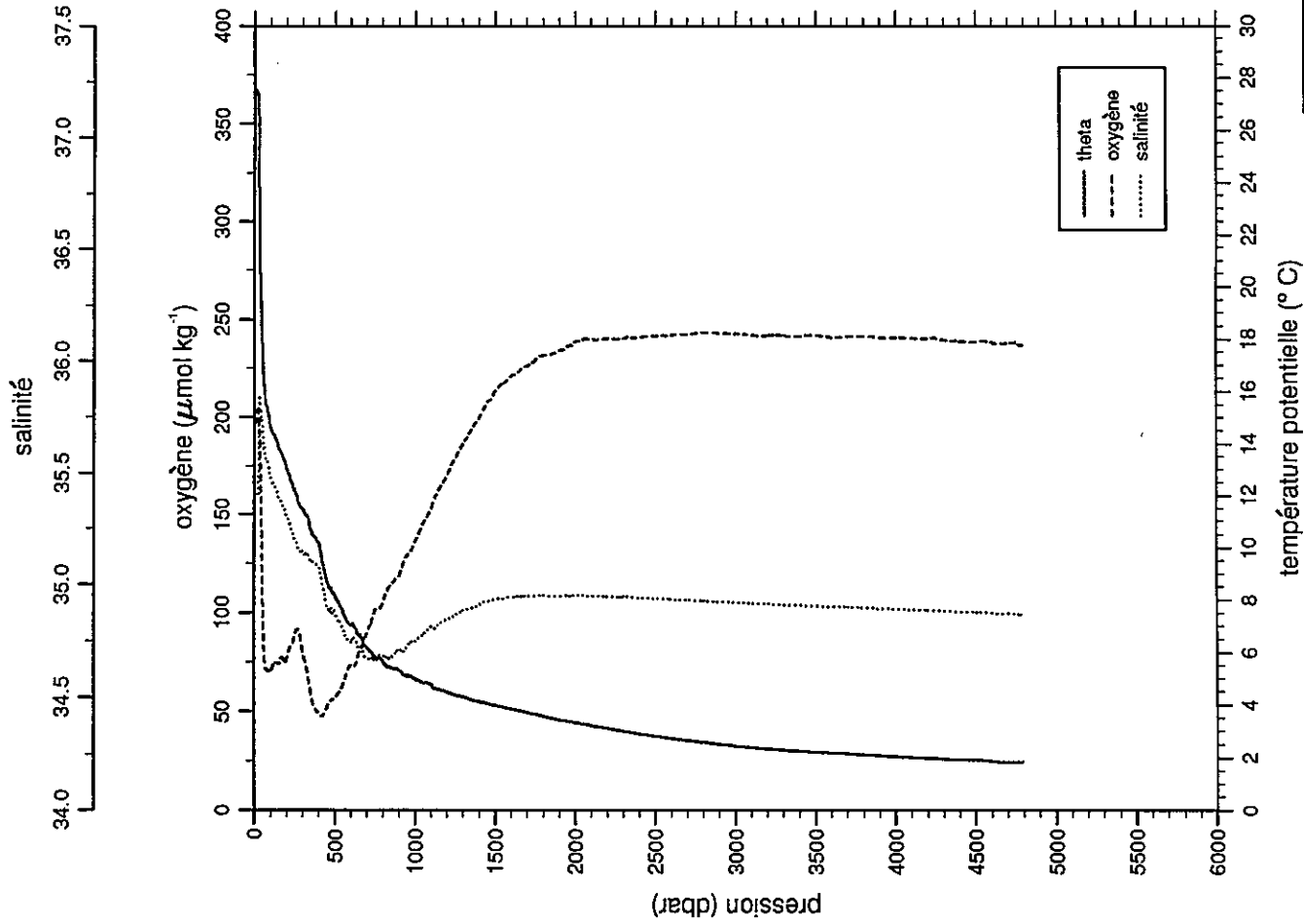
Station 190

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| Station   : 191      Campagne  : CITHER1
| Date      : 03-03-93 Navire    : L'ATALANTE
| Profondeur: 4764 m   Organisme : IFREMER
| Position  : N   7 35.01
|            W  16 39.99
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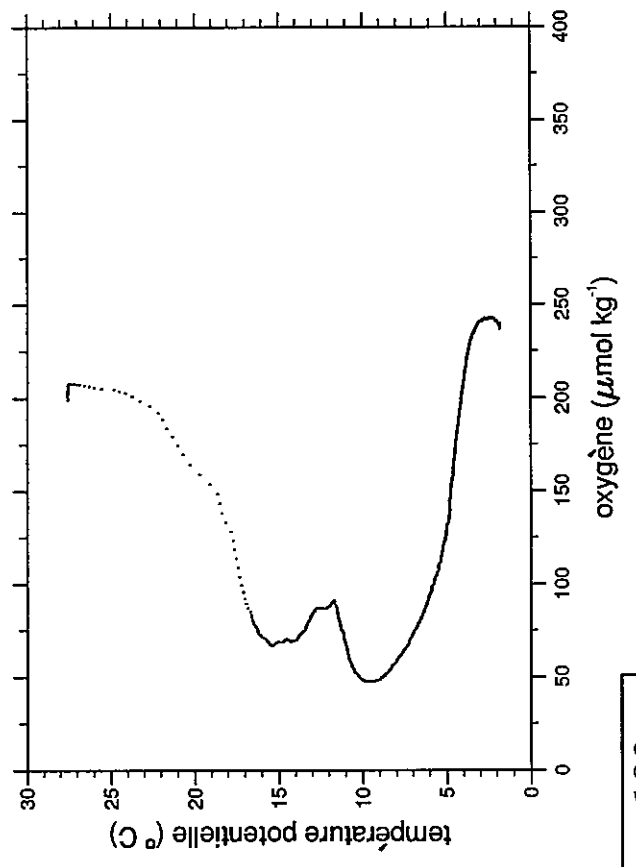
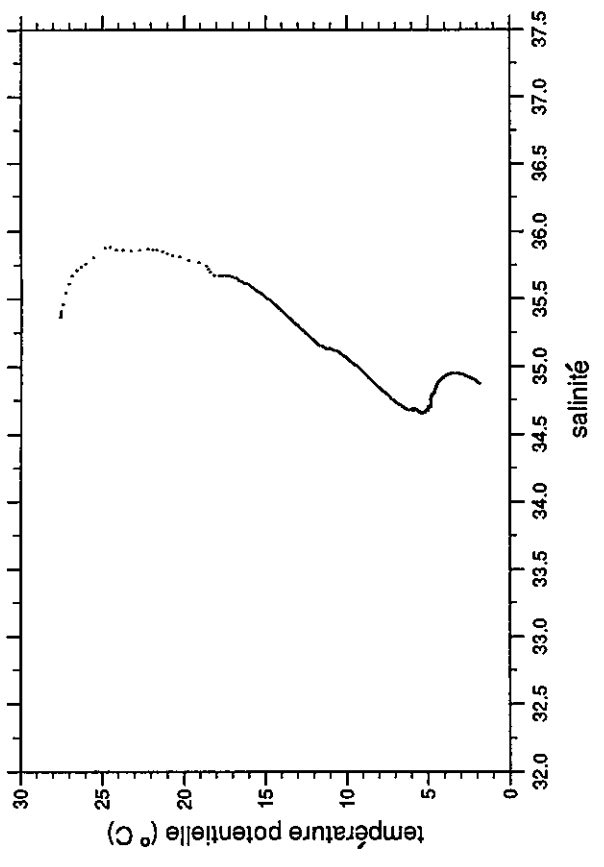
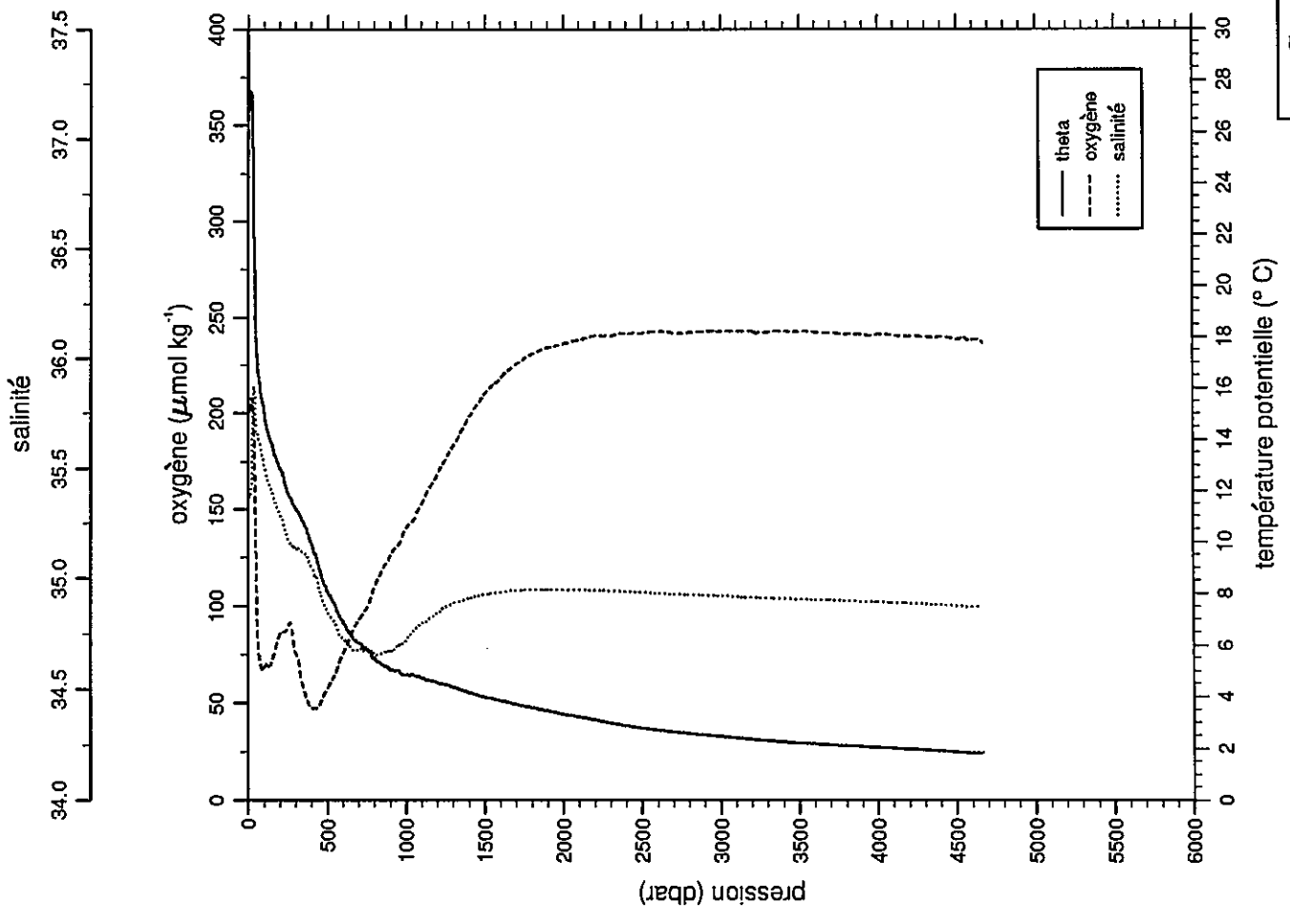
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.526	35.403	196.2	27.526	2850.	2.768	34.925	243.0	2.538
2.	27.526	35.403	194.1	27.526	2900.	2.741	34.923	242.8	2.506
3.	27.522	35.402	193.5	27.521	2950.	2.716	34.922	242.6	2.476
4.	27.530	35.403	193.9	27.529	3000.	2.679	34.919	242.6	2.435
5.	27.536	35.403	194.7	27.535	3050.	2.654	34.917	242.2	2.406
10.	27.536	35.404	198.3	27.533	3100.	2.631	34.916	241.8	2.378
20.	27.434	35.404	203.6	27.429	3150.	2.615	34.914	241.5	2.357
30.	22.840	35.849	196.0	22.834	3200.	2.591	34.912	241.7	2.328
40.	19.501	35.783	161.7	19.494	3250.	2.573	34.911	242.0	2.306
50.	17.527	35.712	115.1	17.519	3300.	2.552	34.910	242.0	2.280
100.	14.643	35.481	69.9	14.628	3350.	2.533	34.908	241.3	2.255
150.	13.852	35.394	73.9	13.830	3400.	2.521	34.907	241.2	2.239
200.	13.063	35.304	75.9	13.035	3450.	2.511	34.906	241.7	2.224
250.	12.197	35.206	88.0	12.164	3500.	2.501	34.905	241.9	2.209
300.	11.507	35.146	79.7	11.468	3550.	2.479	34.903	241.4	2.181
350.	10.694	35.103	59.5	10.651	3600.	2.470	34.903	240.6	2.167
400.	10.196	35.077	48.7	10.148	3650.	2.465	34.902	240.8	2.158
450.	8.778	34.912	51.5	8.730	3700.	2.458	34.900	241.1	2.145
500.	8.170	34.863	56.6	8.118	3750.	2.441	34.899	241.1	2.123
550.	7.623	34.808	63.2	7.568	3800.	2.429	34.898	241.3	2.105
600.	7.067	34.743	73.3	7.009	3850.	2.413	34.896	241.0	2.084
650.	6.678	34.713	79.0	6.617	3900.	2.402	34.895	240.5	2.068
700.	6.212	34.672	89.7	6.148	3950.	2.391	34.894	240.5	2.051
750.	5.887	34.666	100.8	5.820	4000.	2.379	34.892	240.5	2.034
800.	5.713	34.683	104.9	5.643	4050.	2.365	34.890	240.5	2.015
850.	5.467	34.674	113.9	5.394	4100.	2.354	34.889	240.5	1.999
900.	5.374	34.708	118.6	5.297	4150.	2.346	34.887	240.2	1.985
950.	5.149	34.715	128.8	5.069	4200.	2.341	34.887	240.1	1.974
1000.	5.049	34.746	135.9	4.965	4250.	2.329	34.885	240.5	1.957
1050.	4.920	34.777	145.2	4.832	4300.	2.318	34.883	239.5	1.940
1100.	4.863	34.812	152.8	4.771	4350.	2.305	34.881	239.0	1.922
1150.	4.665	34.823	163.1	4.570	4400.	2.297	34.880	238.6	1.908
1200.	4.581	34.844	170.2	4.482	4450.	2.300	34.879	238.3	1.905
1250.	4.476	34.865	178.7	4.374	4500.	2.300	34.879	238.7	1.899
1300.	4.397	34.884	186.2	4.291	4550.	2.289	34.877	239.0	1.882
1350.	4.300	34.897	193.3	4.191	4600.	2.266	34.874	238.3	1.854
1400.	4.231	34.909	199.7	4.118	4650.	2.247	34.871	237.6	1.829
1450.	4.163	34.925	207.5	4.046	4700.	2.251	34.871	237.8	1.827
1500.	4.099	34.934	213.3	3.978	4750.	2.253	34.871	238.1	1.823
1550.	4.025	34.938	217.4	3.900	4791.	2.257	34.870	236.7	1.822
1600.	3.976	34.943	221.1	3.847					
1650.	3.905	34.945	223.6	3.772					
1700.	3.833	34.947	226.1	3.697					
1750.	3.771	34.949	228.9	3.631					
1800.	3.708	34.950	231.4	3.564					
1850.	3.632	34.948	232.0	3.484					
1900.	3.569	34.949	233.9	3.418					
1950.	3.527	34.950	236.1	3.371					
2000.	3.481	34.951	238.4	3.321					
2050.	3.428	34.950	239.6	3.264					
2100.	3.381	34.949	240.3	3.214					
2150.	3.333	34.947	239.6	3.161					
2200.	3.285	34.946	240.0	3.109					
2250.	3.226	34.944	239.9	3.047					
2300.	3.186	34.944	240.1	3.002					
2350.	3.137	34.942	240.6	2.949					
2400.	3.084	34.940	240.6	2.892					
2450.	3.043	34.939	241.4	2.847					
2500.	3.003	34.937	241.4	2.803					
2550.	2.961	34.935	241.7	2.757					
2600.	2.933	34.934	242.0	2.724					
2650.	2.887	34.932	242.2	2.675					
2700.	2.860	34.930	242.1	2.643					
2750.	2.835	34.929	242.7	2.613					
2800.	2.798	34.926	243.0	2.572					



Station I91

Station : 192	Campagne : CITHER1
Date : 03-03-93	Navire : L'ATALANTE
Profondeur: 4643 m	Organisme : IFRIMER
Position : N 7 42.05	
W 16 18.92	

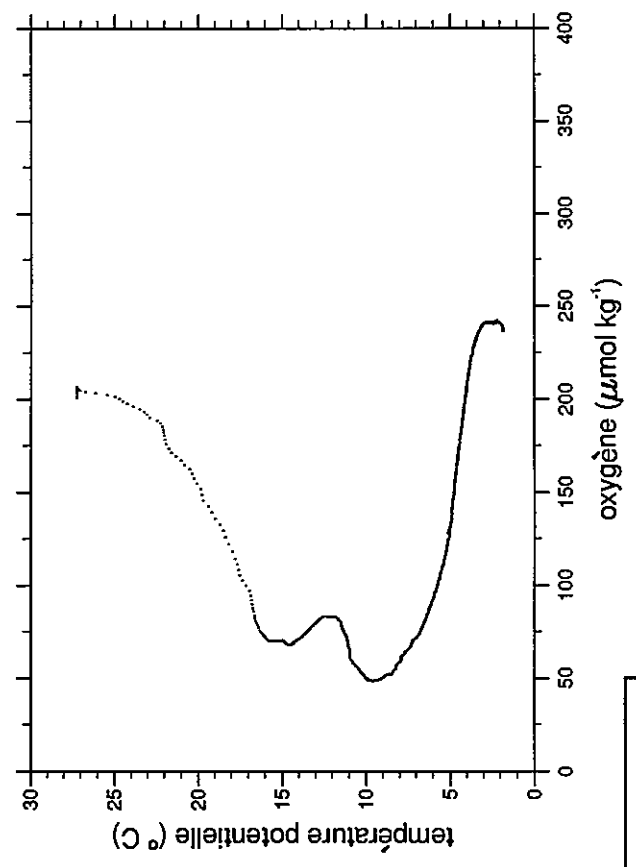
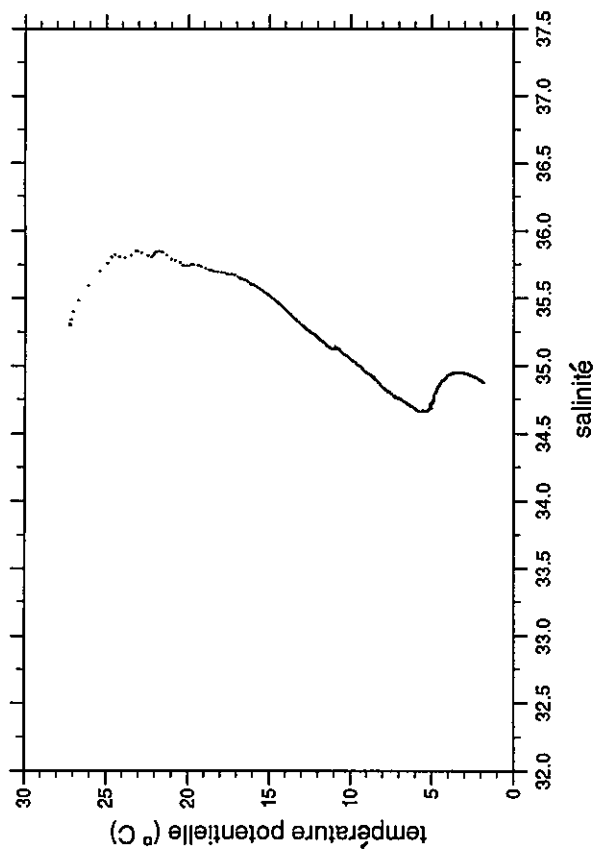
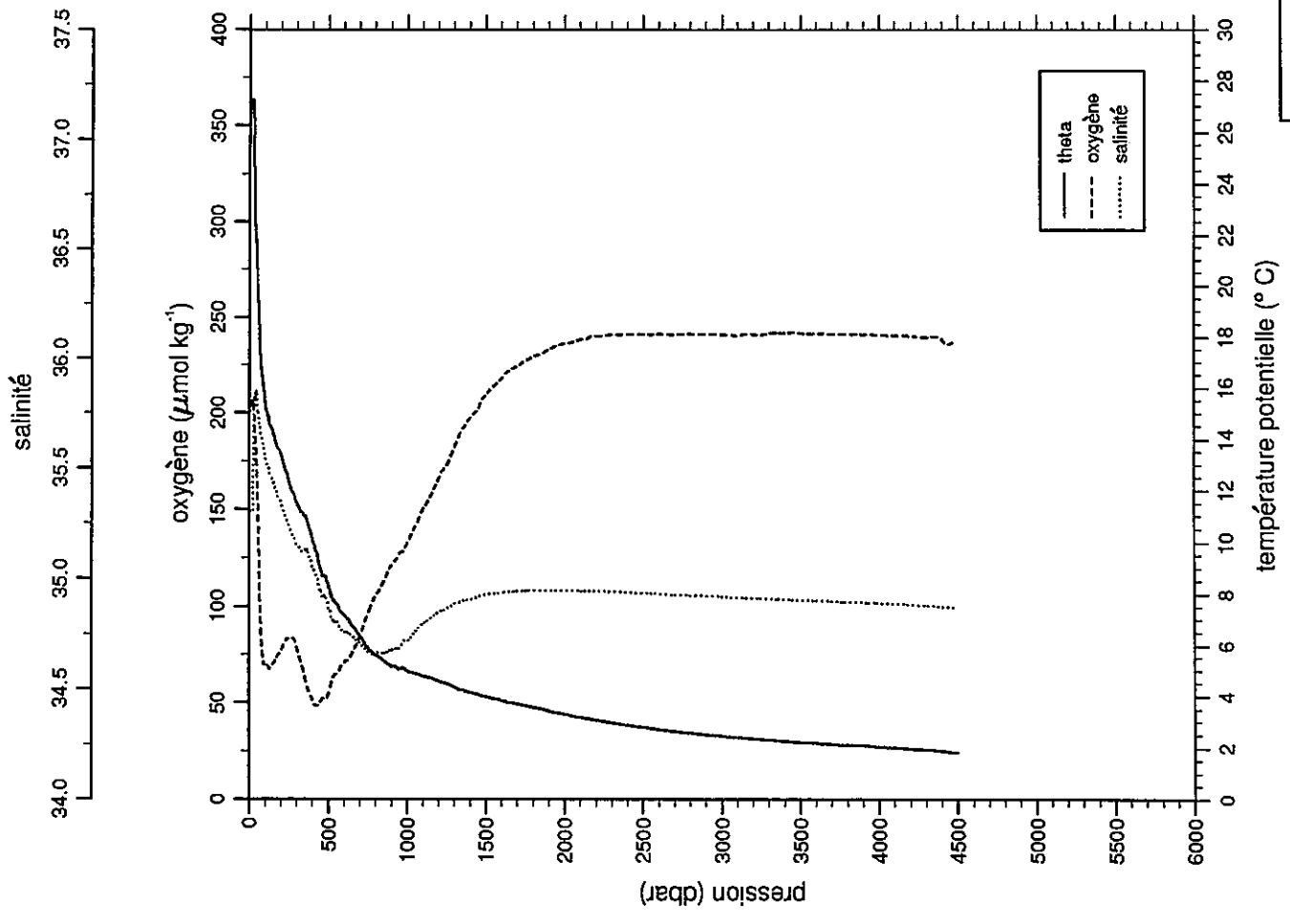
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.579	35.369	202.2	27.578	2850.	2.762	34.924	242.4	2.531
2.	27.579	35.369	199.5	27.578	2900.	2.736	34.923	242.6	2.501
3.	27.569	35.367	199.1	27.568	2950.	2.712	34.922	242.6	2.473
4.	27.580	35.367	200.0	27.579	3000.	2.692	34.920	242.5	2.448
5.	27.587	35.367	200.9	27.585	3050.	2.671	34.918	242.9	2.422
10.	27.581	35.367	203.4	27.579	3100.	2.645	34.917	242.7	2.392
20.	27.524	35.405	207.9	27.520	3150.	2.625	34.915	242.7	2.367
30.	24.499	35.878	203.8	24.493	3200.	2.601	34.914	242.8	2.338
40.	20.705	35.825	169.5	20.698	3250.	2.580	34.911	242.1	2.313
50.	17.649	35.673	118.6	17.640	3300.	2.565	34.911	242.1	2.293
100.	14.986	35.506	68.5	14.971	3350.	2.549	34.909	242.6	2.272
150.	13.813	35.390	72.0	13.791	3400.	2.532	34.908	242.6	2.250
200.	12.891	35.285	85.5	12.863	3450.	2.519	34.907	242.5	2.232
250.	11.940	35.178	89.0	11.907	3500.	2.502	34.905	242.6	2.210
300.	11.307	35.132	75.6	11.270	3550.	2.493	34.905	242.5	2.195
350.	10.757	35.116	57.5	10.714	3600.	2.480	34.903	242.2	2.178
400.	9.938	35.051	47.6	9.891	3650.	2.468	34.902	241.9	2.160
450.	8.986	34.952	48.7	8.937	3700.	2.453	34.900	241.8	2.140
500.	8.117	34.849	57.5	8.065	3750.	2.440	34.899	241.5	2.122
550.	7.545	34.794	64.8	7.490	3800.	2.428	34.898	241.3	2.104
600.	6.935	34.728	75.5	6.878	3850.	2.418	34.896	241.3	2.089
650.	6.427	34.689	84.9	6.368	3900.	2.401	34.895	241.0	2.067
700.	6.130	34.677	92.9	6.067	3950.	2.389	34.894	240.5	2.050
750.	5.917	34.686	98.8	5.850	4000.	2.378	34.892	241.1	2.033
800.	5.537	34.663	110.1	5.468	4050.	2.366	34.890	241.0	2.015
850.	5.291	34.661	118.7	5.219	4100.	2.355	34.889	240.5	2.000
900.	5.124	34.671	125.8	5.048	4150.	2.345	34.887	240.3	1.984
950.	5.098	34.704	131.1	5.019	4200.	2.336	34.885	240.2	1.969
1000.	4.903	34.719	140.0	4.820	4250.	2.325	34.884	240.2	1.953
1050.	4.925	34.769	144.6	4.837	4300.	2.317	34.884	239.8	1.939
1100.	4.809	34.794	152.9	4.717	4350.	2.304	34.881	239.3	1.921
1150.	4.711	34.819	161.5	4.615	4400.	2.285	34.879	239.7	1.897
1200.	4.633	34.847	168.3	4.534	4450.	2.273	34.877	239.4	1.879
1250.	4.566	34.870	175.9	4.463	4500.	2.253	34.874	238.7	1.853
1300.	4.464	34.885	183.2	4.358	4550.	2.240	34.872	239.5	1.835
1350.	4.364	34.898	190.5	4.253	4600.	2.230	34.870	238.3	1.819
1400.	4.267	34.909	197.9	4.153	4650.	2.236	34.871	238.1	1.819
1450.	4.183	34.919	204.1	4.066	4666.	2.238	34.871	236.6	1.819
1500.	4.095	34.928	210.1	3.974					
1550.	4.044	34.934	214.6	3.919					
1600.	3.966	34.937	218.2	3.837					
1650.	3.896	34.943	222.1	3.764					
1700.	3.835	34.945	225.5	3.699					
1750.	3.765	34.947	228.3	3.625					
1800.	3.713	34.949	230.8	3.569					
1850.	3.651	34.949	232.7	3.503					
1900.	3.604	34.949	234.1	3.452					
1950.	3.544	34.949	235.1	3.388					
2000.	3.469	34.948	236.1	3.310					
2050.	3.421	34.948	237.3	3.258					
2100.	3.375	34.947	238.1	3.207					
2150.	3.328	34.947	239.4	3.157					
2200.	3.270	34.945	240.4	3.095					
2250.	3.209	34.945	240.2	3.029					
2300.	3.154	34.942	240.3	2.971					
2350.	3.110	34.942	241.3	2.923					
2400.	3.057	34.939	241.3	2.865					
2450.	3.013	34.937	241.7	2.818					
2500.	2.973	34.936	241.6	2.774					
2550.	2.939	34.934	242.3	2.735					
2600.	2.900	34.932	242.5	2.692					
2650.	2.870	34.931	242.6	2.657					
2700.	2.839	34.928	241.8	2.623					
2750.	2.809	34.927	241.6	2.588					
2800.	2.785	34.926	242.1	2.559					



Station 192

Station : 193	Campagne : CITHERR1
Date : 04-03-93	Navire : L'ATALANTE
Profondeur: 4465 m	Organisme : IFREMER
Position : N 7 49.02	
	W 15 56.96

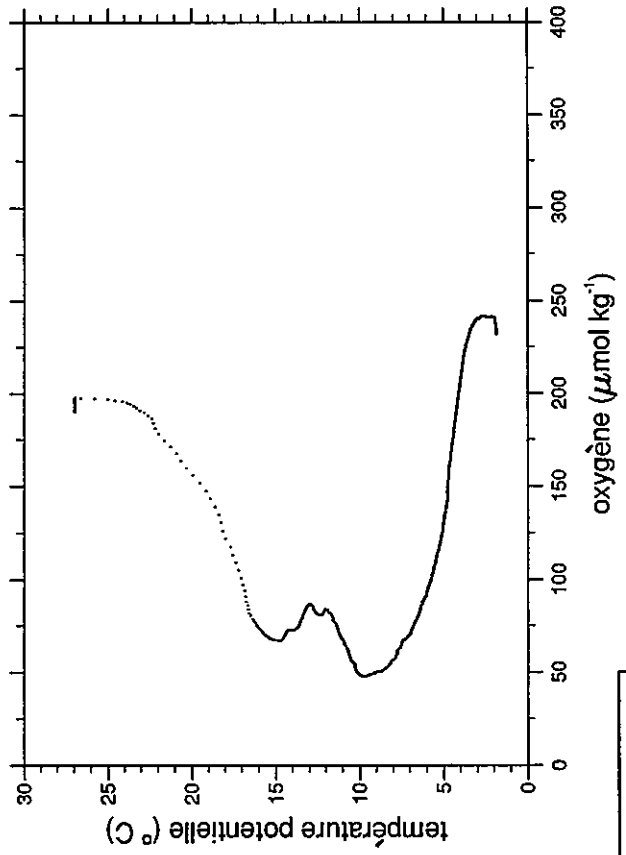
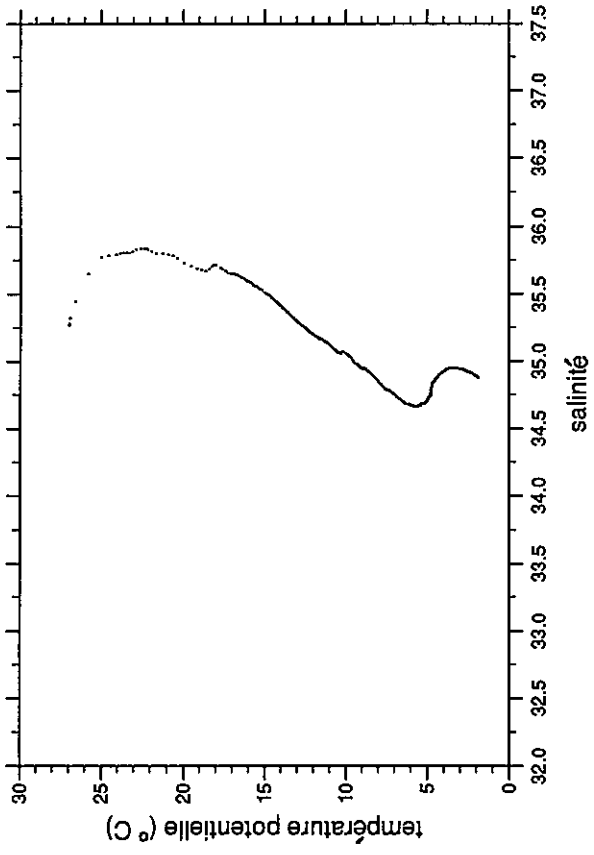
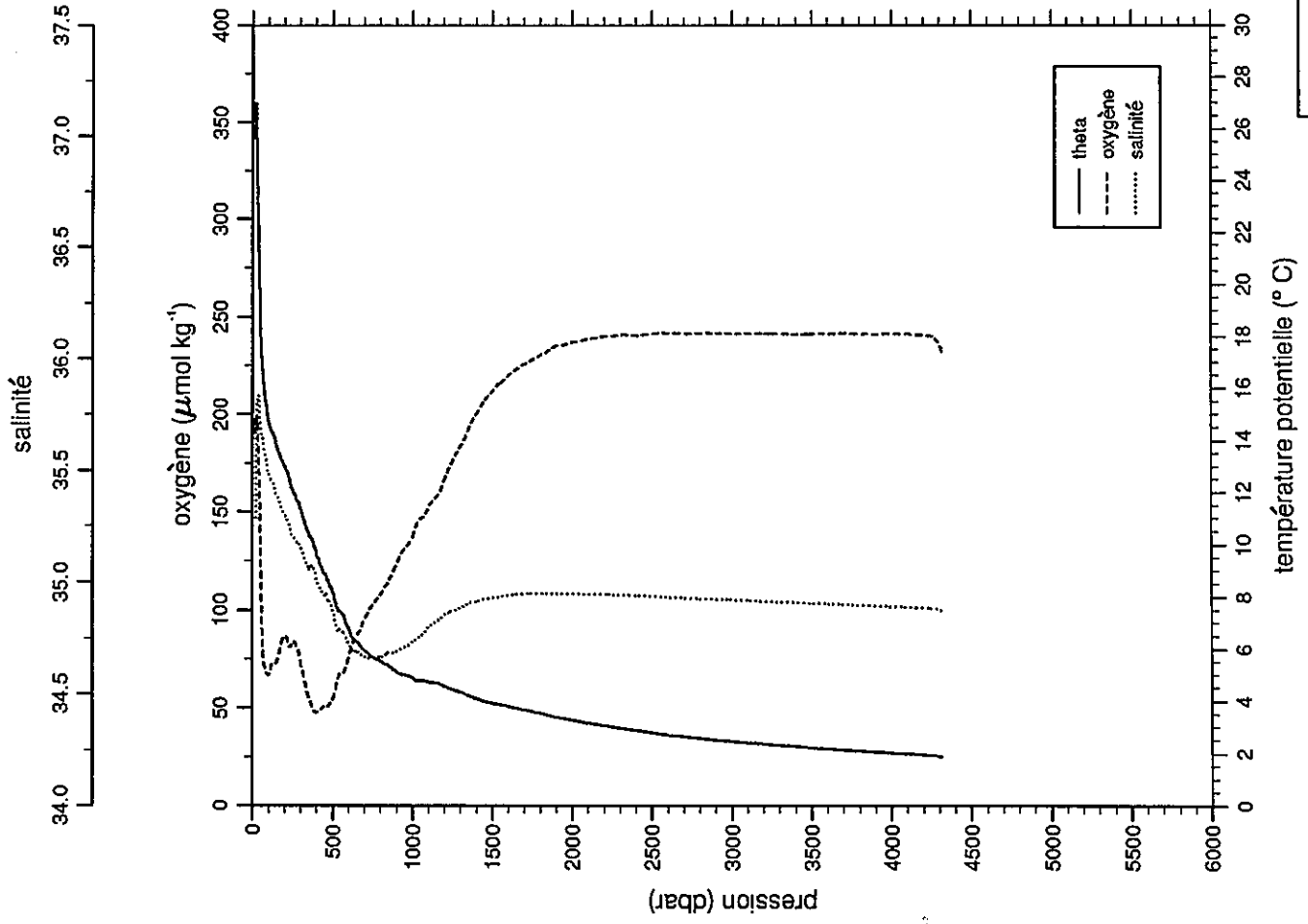
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.257	35.297	203.5	27.257	2850.	2.773	34.925	241.1	2.543
2.	27.257	35.297	203.5	27.256	2900.	2.747	34.923	241.1	2.512
3.	27.257	35.297	200.8	27.256	2950.	2.724	34.921	241.1	2.484
4.	27.253	35.296	201.2	27.252	3000.	2.700	34.920	240.9	2.456
5.	27.256	35.297	201.8	27.255	3050.	2.673	34.918	240.8	2.424
10.	27.256	35.297	204.4	27.254	3100.	2.655	34.917	240.5	2.401
20.	27.254	35.299	206.4	27.250	3150.	2.637	34.916	241.0	2.378
30.	24.229	35.807	197.5	24.222	3200.	2.609	34.913	241.0	2.346
40.	22.050	35.837	182.1	22.042	3250.	2.595	34.912	240.8	2.327
50.	20.354	35.746	160.0	20.344	3300.	2.572	34.911	241.7	2.299
100.	15.321	35.548	69.9	15.306	3350.	2.557	34.910	242.0	2.279
150.	14.236	35.439	69.7	14.214	3400.	2.538	34.908	241.8	2.255
200.	13.361	35.338	76.7	13.333	3450.	2.521	34.906	242.1	2.233
250.	12.349	35.235	83.1	12.316	3500.	2.509	34.905	241.8	2.216
300.	11.518	35.152	78.7	11.480	3550.	2.501	34.905	241.5	2.203
350.	11.019	35.127	63.5	10.975	3600.	2.488	34.903	241.4	2.185
400.	10.105	35.052	50.6	10.058	3650.	2.469	34.902	241.5	2.161
450.	9.032	34.945	50.4	8.982	3700.	2.454	34.900	241.2	2.141
500.	8.369	34.878	54.3	8.316	3750.	2.441	34.899	241.1	2.122
550.	7.650	34.800	64.6	7.594	3800.	2.433	34.898	241.2	2.109
600.	7.209	34.757	70.8	7.150	3850.	2.429	34.897	241.2	2.100
650.	6.833	34.740	75.4	6.771	3900.	2.422	34.896	240.9	2.087
700.	6.442	34.709	84.4	6.378	3950.	2.407	34.895	241.0	2.067
750.	5.989	34.672	95.9	5.922	4000.	2.384	34.892	240.8	2.039
800.	5.673	34.662	105.4	5.604	4050.	2.373	34.891	240.7	2.022
850.	5.460	34.663	112.6	5.387	4100.	2.358	34.889	240.4	2.002
900.	5.218	34.671	121.2	5.142	4150.	2.344	34.887	240.4	1.983
950.	5.129	34.685	127.1	5.049	4200.	2.324	34.884	240.2	1.958
1000.	5.071	34.719	132.1	4.987	4250.	2.314	34.883	239.9	1.942
1050.	4.963	34.756	140.8	4.875	4300.	2.297	34.881	239.6	1.919
1100.	4.867	34.793	149.9	4.775	4350.	2.290	34.880	239.8	1.907
1150.	4.799	34.823	156.9	4.703	4400.	2.264	34.876	238.9	1.876
1200.	4.693	34.849	165.9	4.593	4450.	2.241	34.873	236.3	1.847
1250.	4.602	34.864	172.8	4.498	4498.	2.221	34.871	236.3	1.823
1300.	4.466	34.886	182.3	4.360					
1350.	4.355	34.900	191.4	4.245					
1400.	4.269	34.909	197.3	4.155					
1450.	4.203	34.920	202.3	4.086					
1500.	4.109	34.928	209.3	3.987					
1550.	4.030	34.931	214.0	3.904					
1600.	3.968	34.937	218.1	3.839					
1650.	3.894	34.942	222.3	3.761					
1700.	3.837	34.944	224.5	3.700					
1750.	3.774	34.946	227.5	3.634					
1800.	3.712	34.947	229.3	3.568					
1850.	3.664	34.948	231.0	3.516					
1900.	3.589	34.949	233.3	3.437					
1950.	3.522	34.949	235.4	3.366					
2000.	3.466	34.949	236.6	3.306					
2050.	3.395	34.947	237.1	3.232					
2100.	3.347	34.947	238.3	3.180					
2150.	3.297	34.946	239.2	3.126					
2200.	3.252	34.945	240.3	3.076					
2250.	3.199	34.944	240.4	3.020					
2300.	3.154	34.943	240.8	2.971					
2350.	3.110	34.941	240.9	2.923					
2400.	3.071	34.939	241.0	2.879					
2450.	3.020	34.938	241.1	2.825					
2500.	2.989	34.936	241.1	2.790					
2550.	2.954	34.934	240.9	2.750					
2600.	2.914	34.932	241.4	2.705					
2650.	2.880	34.931	241.1	2.667					
2700.	2.855	34.929	240.8	2.638					
2750.	2.829	34.928	241.2	2.607					
2800.	2.795	34.926	241.2	2.569					



Station 193

Station	: 194	Campagne	: CITHER1
Date	: 04-03-93	Navire	: L'ATALANTE
Profondeur:	4292 m	Organisme	: IFREMER
Position	: N 7 56.04		
	W 15 35.93		

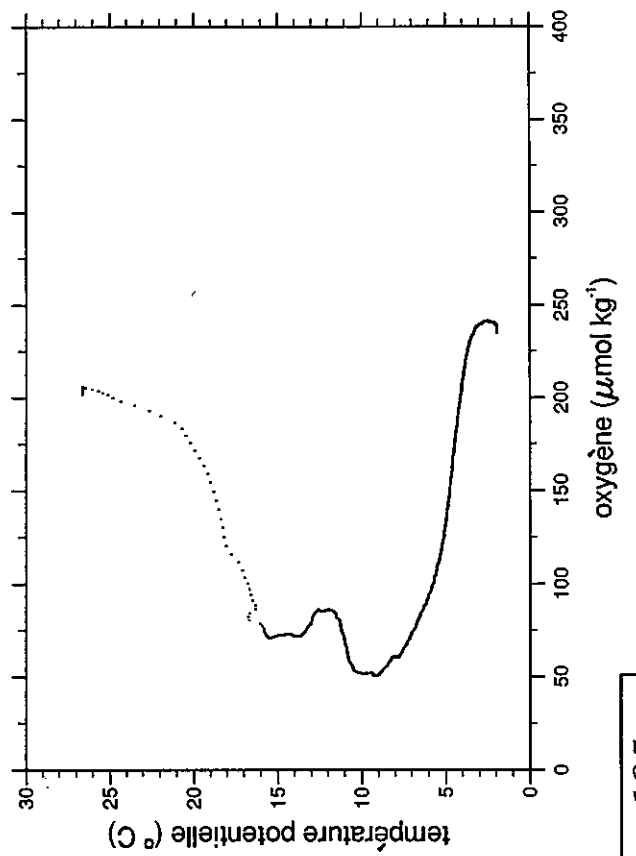
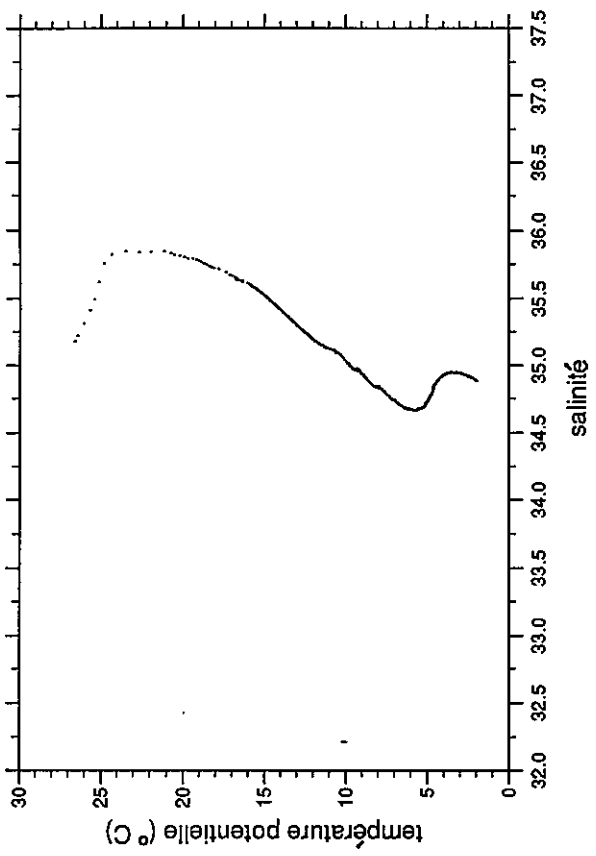
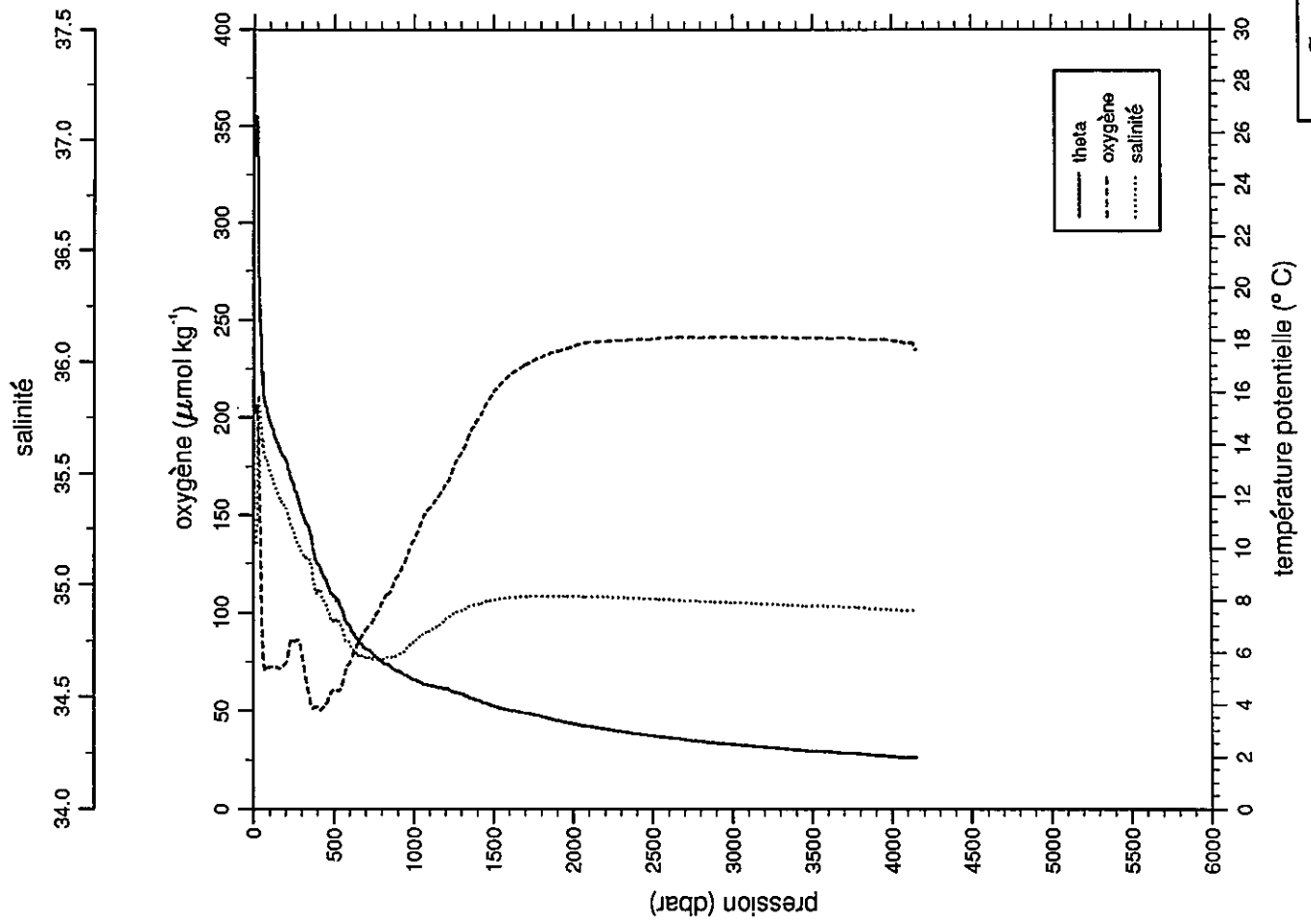
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.982	35.270	191.2	26.981	2850.	2.772	34.924	241.6	2.541
2.	26.982	35.270	196.9	26.981	2900.	2.745	34.923	241.6	2.510
3.	26.969	35.271	196.7	26.968	2950.	2.723	34.922	241.5	2.484
4.	26.973	35.271	193.6	26.972	3000.	2.703	34.920	241.1	2.459
5.	26.979	35.270	190.3	26.978	3050.	2.682	34.918	241.3	2.433
10.	26.985	35.270	192.8	26.982	3100.	2.666	34.917	241.4	2.412
20.	26.990	35.271	197.3	26.986	3150.	2.651	34.916	241.3	2.393
30.	23.462	35.811	193.2	23.456	3200.	2.624	34.915	241.4	2.361
40.	21.268	35.802	171.2	21.261	3250.	2.609	34.913	241.3	2.340
50.	18.253	35.703	130.5	18.244	3300.	2.591	34.912	241.2	2.318
100.	14.715	35.488	66.7	14.700	3350.	2.577	34.911	240.9	2.299
150.	13.809	35.387	73.2	13.787	3400.	2.562	34.909	240.9	2.279
200.	13.032	35.296	86.5	13.004	3450.	2.540	34.908	240.9	2.252
250.	12.133	35.208	83.3	12.100	3500.	2.519	34.906	241.0	2.226
300.	11.355	35.149	73.8	11.317	3550.	2.504	34.905	241.3	2.206
350.	10.461	35.065	55.6	10.419	3600.	2.489	34.904	241.2	2.186
400.	9.656	35.016	47.7	9.610	3650.	2.471	34.902	241.3	2.163
450.	8.925	34.939	50.3	8.876	3700.	2.457	34.900	241.4	2.144
500.	8.274	34.880	54.2	8.222	3750.	2.443	34.899	241.2	2.124
550.	7.483	34.787	67.2	7.428	3800.	2.431	34.897	240.9	2.108
600.	6.856	34.728	75.2	6.799	3850.	2.421	34.897	240.9	2.092
650.	6.335	34.681	86.8	6.276	3900.	2.407	34.895	240.8	2.072
700.	5.987	34.666	95.1	5.925	3950.	2.392	34.893	241.0	2.053
750.	5.761	34.662	102.4	5.696	4000.	2.377	34.892	241.0	2.032
800.	5.621	34.665	107.7	5.551	4050.	2.362	34.890	241.0	2.012
850.	5.453	34.685	114.2	5.380	4100.	2.354	34.889	241.0	1.998
900.	5.220	34.689	123.0	5.144	4150.	2.336	34.886	240.8	1.975
950.	5.075	34.706	130.9	4.995	4200.	2.322	34.885	240.3	1.956
1000.	4.978	34.732	137.1	4.895	4250.	2.307	34.883	239.9	1.936
1050.	4.855	34.754	146.3	4.768	4300.	2.262	34.877	236.0	1.886
1100.	4.836	34.797	151.7	4.745	4318.	2.235	34.874	231.8	1.857
1150.	4.803	34.825	157.8	4.707					
1200.	4.669	34.852	166.5	4.570					
1250.	4.546	34.870	175.9	4.443					
1300.	4.455	34.886	183.5	4.349					
1350.	4.328	34.904	192.2	4.218					
1400.	4.228	34.915	200.0	4.114					
1450.	4.117	34.922	206.9	4.000					
1500.	4.053	34.928	211.7	3.933					
1550.	3.999	34.936	216.0	3.874					
1600.	3.934	34.942	219.8	3.806					
1650.	3.873	34.944	223.0	3.741					
1700.	3.817	34.946	225.6	3.681					
1750.	3.750	34.947	227.9	3.610					
1800.	3.693	34.948	230.0	3.549					
1850.	3.612	34.948	232.6	3.464					
1900.	3.544	34.949	235.0	3.392					
1950.	3.494	34.948	235.4	3.339					
2000.	3.432	34.948	236.7	3.273					
2050.	3.384	34.947	237.5	3.220					
2100.	3.330	34.946	238.5	3.163					
2150.	3.292	34.945	239.0	3.120					
2200.	3.254	34.944	239.6	3.078					
2250.	3.197	34.944	239.7	3.018					
2300.	3.160	34.942	240.4	2.976					
2350.	3.114	34.941	240.6	2.927					
2400.	3.075	34.938	240.1	2.883					
2450.	3.044	34.938	240.7	2.848					
2500.	2.999	34.937	241.1	2.799					
2550.	2.959	34.935	241.7	2.754					
2600.	2.917	34.932	241.6	2.709					
2650.	2.885	34.931	241.5	2.672					
2700.	2.859	34.929	241.4	2.641					
2750.	2.824	34.927	241.3	2.603					
2800.	2.801	34.926	241.6	2.575					



Station 194

Station	: 195	Campagne	: CITHER1
Date	: 04-03-93	Navire	: L'ATALANTE
Profondeur	: 4130 m	Organisme	: IFRIMER
Position	: N 8 1.95		
	W 15 16.92		

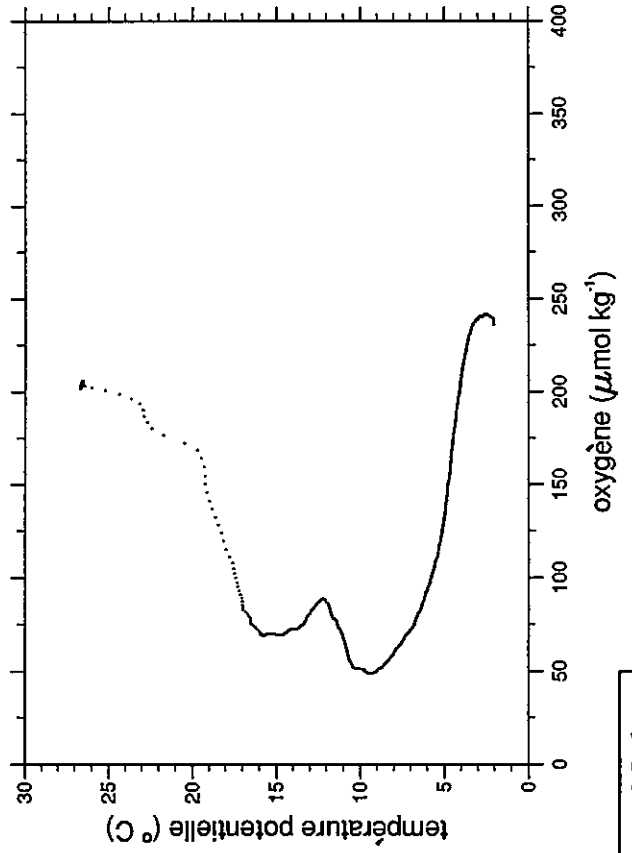
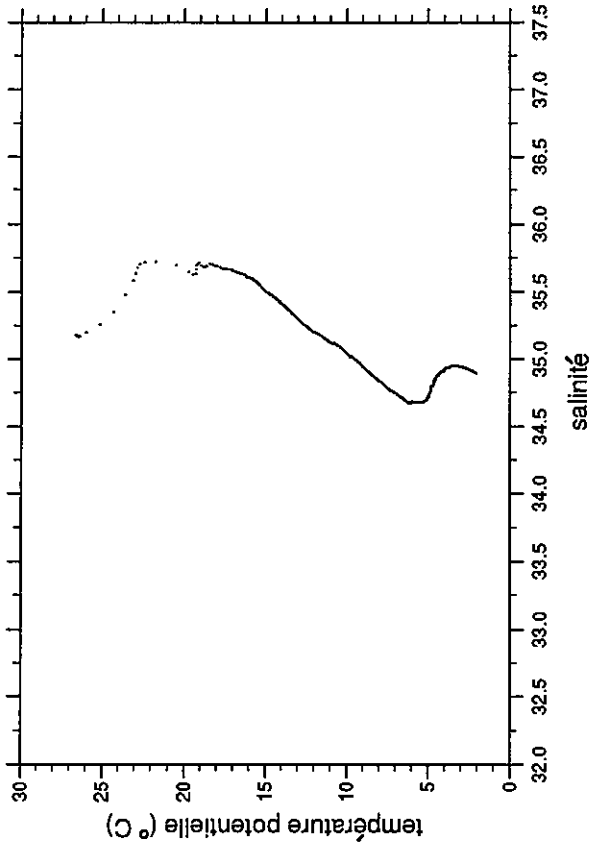
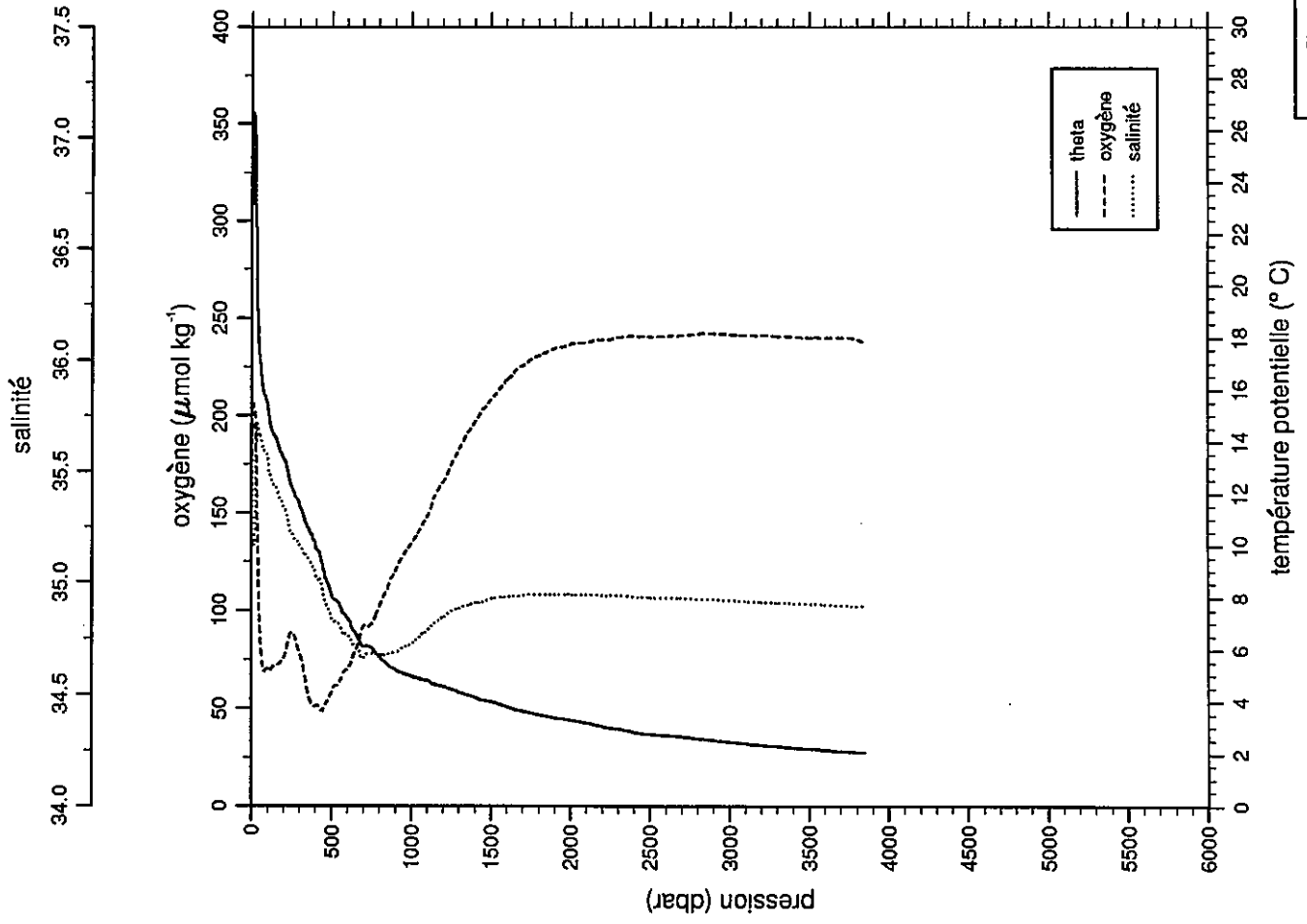
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.636	35.179	204.0	26.636	2850.	2.761	34.924	241.1	2.531
2.	26.636	35.179	204.0	26.635	2900.	2.745	34.923	241.0	2.510
3.	26.636	35.179	202.1	26.635	2950.	2.724	34.922	241.5	2.484
4.	26.645	35.180	202.3	26.645	3000.	2.705	34.921	241.1	2.461
5.	26.649	35.180	202.9	26.648	3050.	2.687	34.919	241.1	2.438
10.	26.634	35.179	204.8	26.632	3100.	2.665	34.917	240.8	2.411
20.	26.442	35.220	205.3	26.437	3150.	2.638	34.916	241.3	2.380
30.	21.144	35.846	186.8	21.139	3200.	2.624	34.915	241.1	2.361
40.	18.660	35.757	144.6	18.653	3250.	2.609	34.914	241.4	2.340
50.	16.810	35.654	100.2	16.802	3300.	2.581	34.912	241.0	2.308
100.	14.866	35.507	72.3	14.851	3350.	2.555	34.909	240.9	2.277
150.	14.020	35.412	71.8	13.998	3400.	2.537	34.908	240.7	2.255
200.	13.402	35.343	74.4	13.373	3450.	2.517	34.907	240.7	2.230
250.	12.412	35.233	85.4	12.379	3500.	2.507	34.905	240.8	2.215
300.	11.341	35.138	79.7	11.303	3550.	2.496	34.904	240.8	2.199
350.	10.635	35.097	56.2	10.592	3600.	2.487	34.903	240.6	2.184
400.	9.420	34.967	51.8	9.375	3650.	2.462	34.901	240.8	2.154
450.	8.823	34.913	53.3	8.774	3700.	2.448	34.900	240.9	2.135
500.	8.179	34.838	60.6	8.127	3750.	2.446	34.899	240.6	2.128
550.	7.687	34.806	62.8	7.632	3800.	2.436	34.898	240.2	2.112
600.	7.050	34.741	74.3	6.992	3850.	2.402	34.895	239.9	2.073
650.	6.559	34.693	84.0	6.499	3900.	2.385	34.893	239.9	2.051
700.	6.180	34.674	91.2	6.117	3950.	2.370	34.891	240.1	2.031
750.	5.941	34.666	96.6	5.874	4000.	2.346	34.889	239.5	2.002
800.	5.710	34.665	104.3	5.640	4050.	2.316	34.886	239.2	1.968
850.	5.570	34.678	110.1	5.497	4100.	2.317	34.885	238.1	1.963
900.	5.327	34.681	118.7	5.250	4150.	2.319	34.884	235.2	1.958
950.	5.188	34.710	126.7	5.107	4154.	2.319	34.884	235.1	1.958
1000.	5.019	34.745	137.0	4.935					
1050.	4.884	34.772	146.5	4.797					
1100.	4.810	34.792	153.4	4.719					
1150.	4.747	34.812	158.9	4.652					
1200.	4.690	34.846	165.6	4.591					
1250.	4.571	34.869	174.5	4.468					
1300.	4.493	34.882	181.8	4.386					
1350.	4.356	34.901	191.5	4.246					
1400.	4.265	34.912	198.8	4.151					
1450.	4.160	34.924	206.2	4.043					
1500.	4.042	34.932	213.0	3.922					
1550.	3.968	34.938	217.6	3.843					
1600.	3.896	34.942	221.7	3.768					
1650.	3.838	34.945	224.5	3.706					
1700.	3.788	34.946	226.9	3.652					
1750.	3.741	34.948	229.1	3.601					
1800.	3.666	34.947	230.9	3.522					
1850.	3.589	34.948	232.9	3.442					
1900.	3.518	34.947	234.1	3.367					
1950.	3.464	34.947	235.1	3.309					
2000.	3.414	34.948	236.5	3.255					
2050.	3.361	34.947	237.8	3.198					
2100.	3.319	34.946	238.4	3.153					
2150.	3.280	34.945	238.7	3.109					
2200.	3.233	34.944	238.9	3.058					
2250.	3.180	34.943	239.4	3.001					
2300.	3.141	34.942	239.6	2.958					
2350.	3.104	34.940	239.8	2.917					
2400.	3.059	34.938	240.0	2.868					
2450.	3.029	34.937	240.0	2.833					
2500.	2.989	34.936	240.3	2.789					
2550.	2.951	34.934	240.7	2.747					
2600.	2.923	34.933	240.8	2.714					
2650.	2.897	34.931	241.1	2.684					
2700.	2.851	34.929	241.3	2.634					
2750.	2.824	34.927	241.1	2.602					
2800.	2.795	34.926	240.8	2.569					



Station 195

Station	: 196	Campagne	: CITHER1
Date	: 04-03-93	Navire	: L'ATALANTE
Profondeur	: 3826 m	Organisme	: IFREMER
Position	: N 8 7.01		
	W 14 59.97		

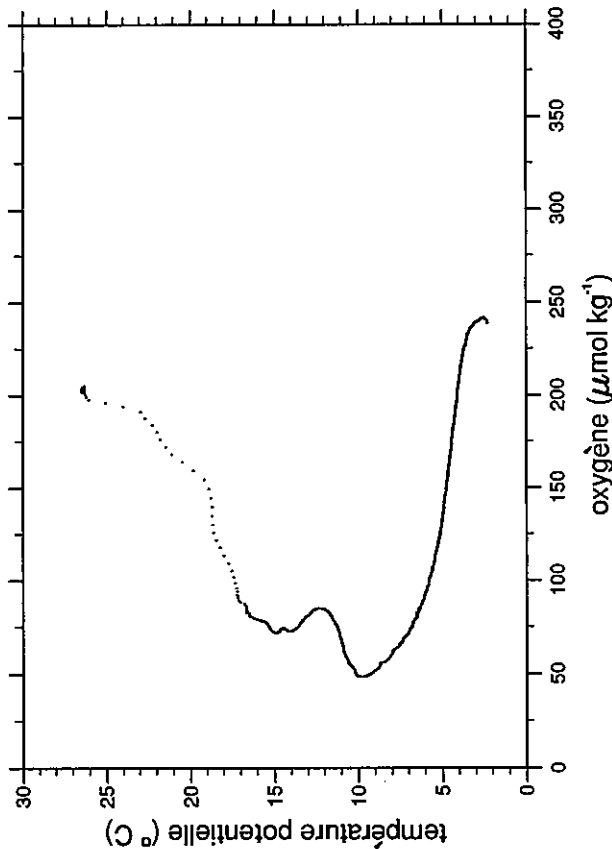
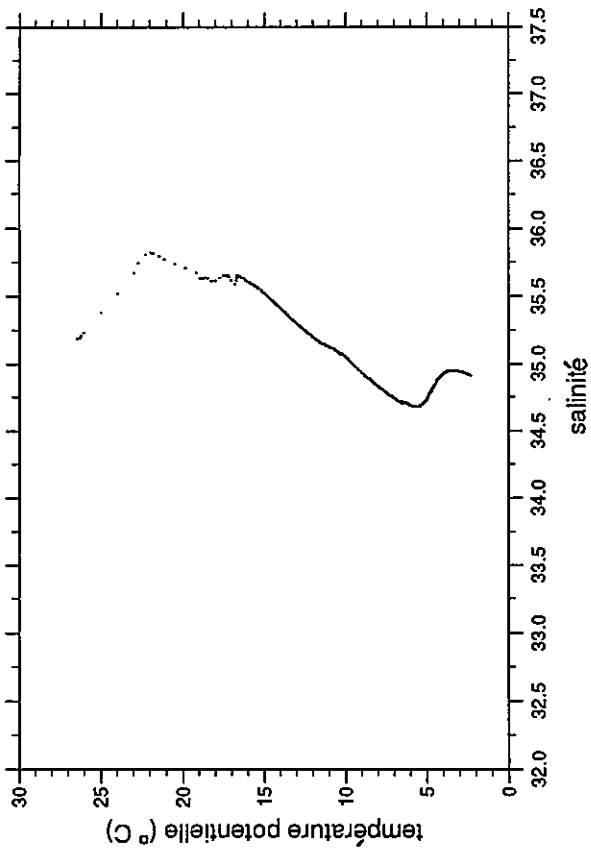
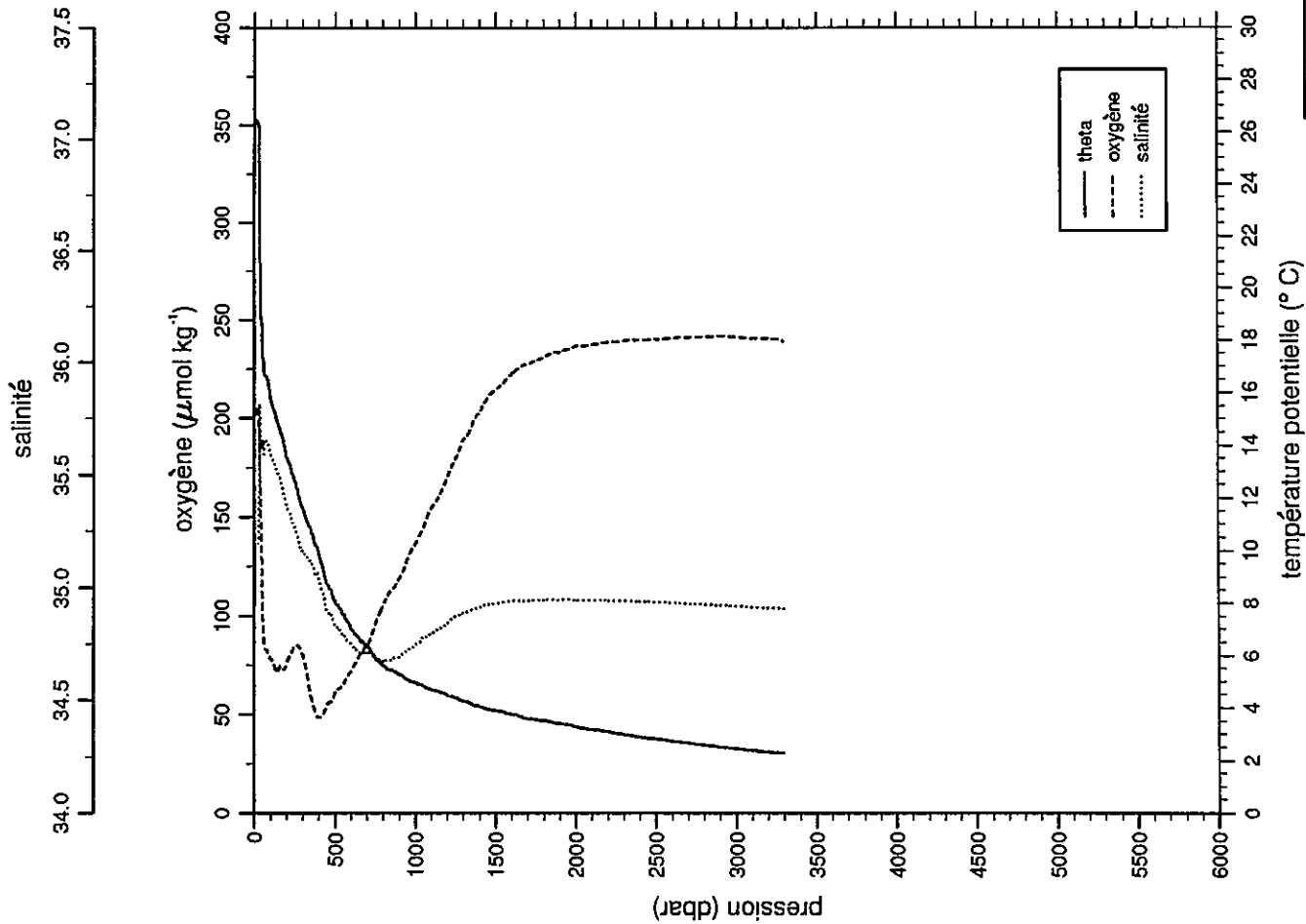
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TRMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.622	35.176	203.9	26.622	2850.	2.788	34.925	242.0	2.557
2.	26.622	35.176	202.7	26.622	2900.	2.766	34.923	242.0	2.531
3.	26.662	35.180	201.5	26.661	2950.	2.728	34.921	241.9	2.488
4.	26.659	35.180	201.7	26.658	3000.	2.698	34.919	241.7	2.454
5.	26.659	35.180	202.2	26.658	3050.	2.675	34.918	241.4	2.426
10.	26.600	35.175	205.3	26.597	3100.	2.648	34.916	241.3	2.395
20.	26.007	35.198	202.3	26.003	3150.	2.614	34.913	241.1	2.356
30.	20.468	35.697	172.6	20.463	3200.	2.598	34.913	241.0	2.335
40.	18.455	35.705	128.3	18.448	3250.	2.577	34.910	240.9	2.309
50.	17.296	35.667	95.2	17.288	3300.	2.559	34.909	240.5	2.286
100.	15.401	35.550	70.0	15.386	3350.	2.540	34.908	240.5	2.263
150.	14.173	35.428	72.3	14.151	3400.	2.521	34.906	240.4	2.239
200.	13.374	35.338	75.7	13.346	3450.	2.507	34.905	240.0	2.220
250.	12.296	35.219	88.5	12.262	3500.	2.497	34.904	240.0	2.204
300.	11.626	35.171	78.1	11.588	3550.	2.476	34.902	240.0	2.179
350.	10.759	35.114	58.4	10.716	3600.	2.461	34.900	239.9	2.159
400.	10.017	35.037	51.1	9.970	3650.	2.439	34.898	240.0	2.132
450.	9.115	34.947	49.7	9.065	3700.	2.423	34.897	239.8	2.110
500.	8.157	34.842	58.1	8.105	3750.	2.411	34.896	239.7	2.094
550.	7.792	34.810	63.2	7.736	3800.	2.392	34.894	239.0	2.070
600.	7.254	34.761	70.0	7.195	3849.	2.381	34.893	236.3	2.053
650.	6.700	34.718	79.1	6.639					
700.	6.188	34.666	91.5	6.124					
750.	6.138	34.683	92.7	6.071					
800.	5.796	34.676	101.9	5.725					
850.	5.535	34.680	110.5	5.461					
900.	5.305	34.689	119.9	5.228					
950.	5.159	34.705	127.8	5.079					
1000.	5.063	34.730	133.9	4.979					
1050.	4.972	34.754	140.5	4.884					
1100.	4.893	34.785	147.9	4.801					
1150.	4.767	34.820	158.8	4.672					
1200.	4.697	34.842	165.8	4.597					
1250.	4.591	34.869	174.4	4.487					
1300.	4.462	34.883	182.5	4.355					
1350.	4.370	34.898	190.7	4.260					
1400.	4.275	34.907	196.8	4.161					
1450.	4.167	34.912	203.3	4.050					
1500.	4.127	34.926	208.0	4.006					
1550.	4.034	34.930	213.1	3.909					
1600.	3.929	34.934	218.5	3.801					
1650.	3.830	34.939	222.8	3.698					
1700.	3.778	34.942	225.7	3.642					
1750.	3.714	34.945	228.7	3.574					
1800.	3.652	34.945	230.5	3.508					
1850.	3.595	34.947	232.5	3.448					
1900.	3.523	34.945	234.3	3.372					
1950.	3.493	34.945	235.2	3.338					
2000.	3.451	34.947	236.7	3.292					
2050.	3.403	34.946	237.2	3.239					
2100.	3.348	34.943	237.5	3.181					
2150.	3.296	34.944	238.5	3.125					
2200.	3.236	34.943	238.9	3.061					
2250.	3.175	34.941	239.0	2.996					
2300.	3.141	34.941	240.2	2.958					
2350.	3.100	34.940	240.4	2.913					
2400.	3.024	34.936	240.6	2.833					
2450.	2.969	34.933	240.6	2.775					
2500.	2.956	34.932	240.4	2.757					
2550.	2.935	34.931	240.6	2.732					
2600.	2.921	34.931	240.7	2.713					
2650.	2.908	34.930	240.9	2.695					
2700.	2.887	34.929	241.1	2.669					
2750.	2.861	34.928	241.5	2.639					
2800.	2.801	34.926	241.9	2.575					



Station 196

Station : 197	Campagne : CITHER1
Date : 04-03-93	Navire : L'ATALANTE
Profondeur: 3276 m	Organisme : IFRIMER
Position : N 8 12.98	
	W 14 42.04

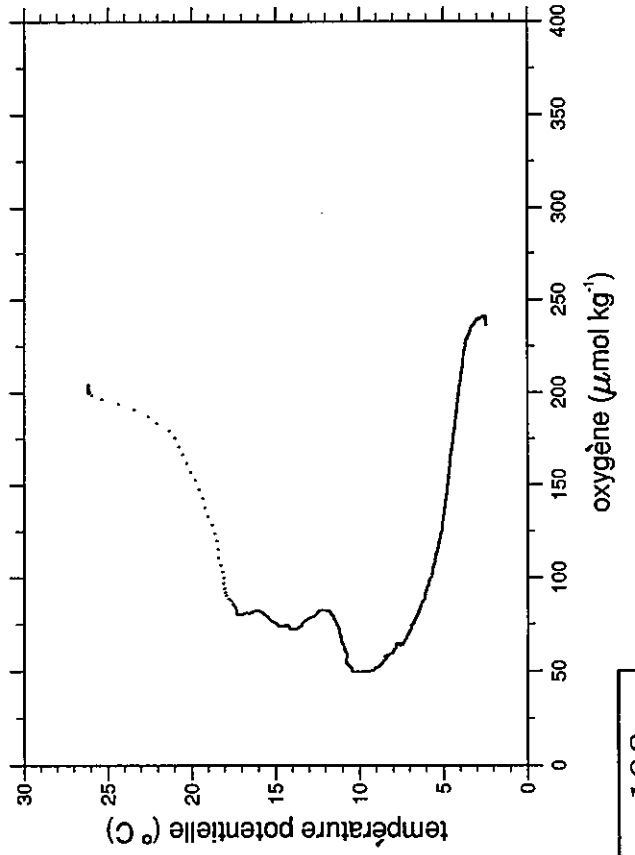
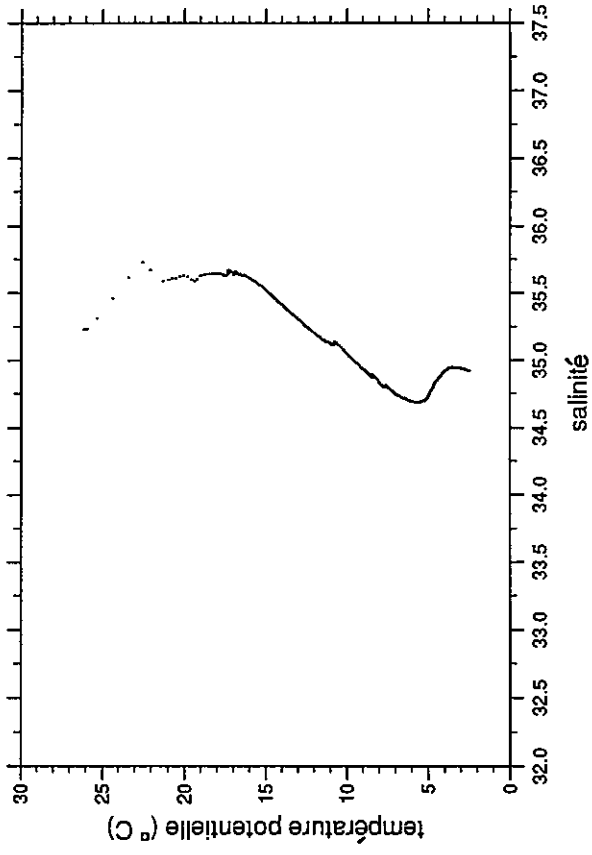
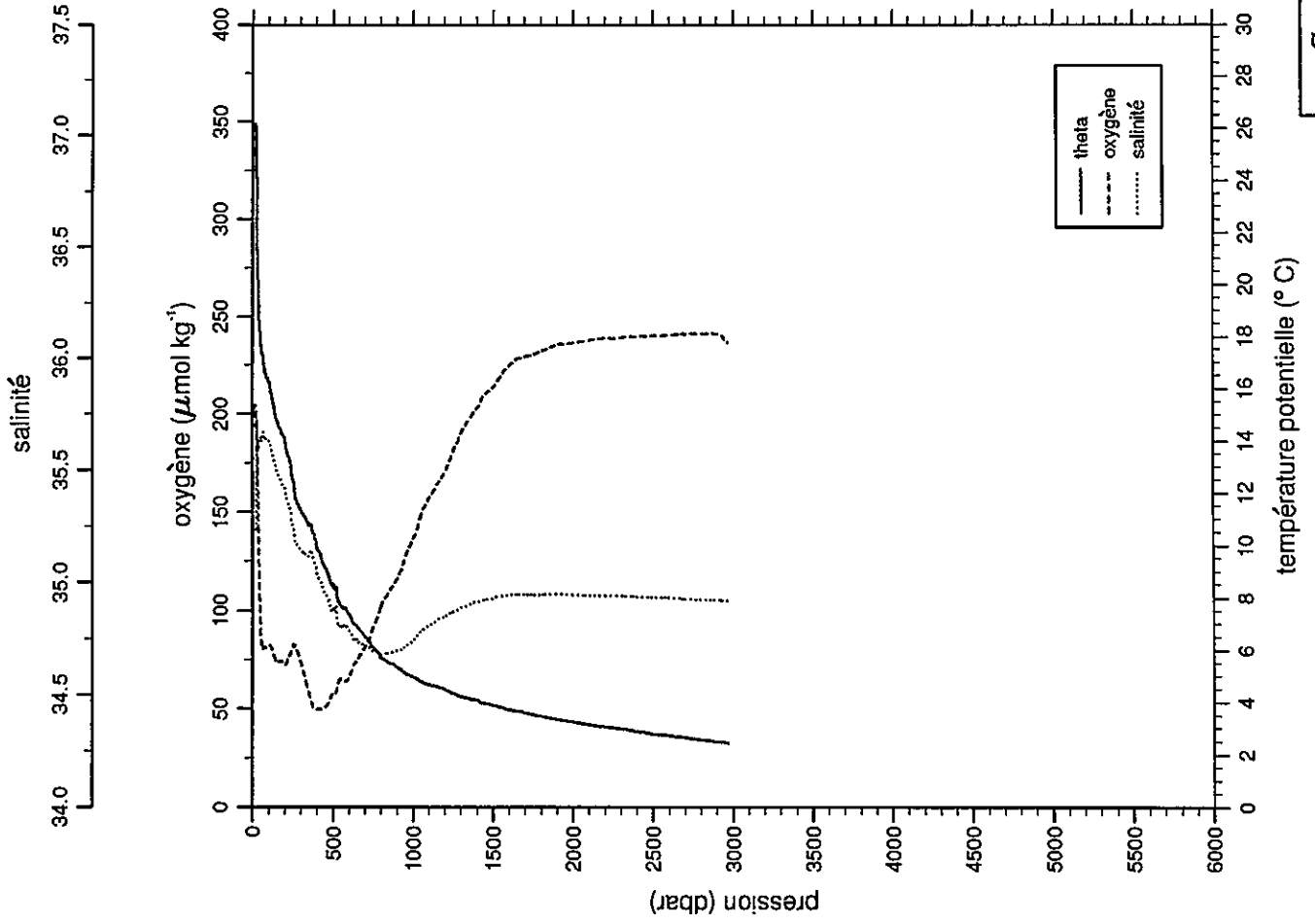
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.456	35.184	203.1	26.456	2850.	2.776	34.925	241.5	2.546
2.	26.456	35.184	203.1	26.455	2900.	2.744	34.923	241.8	2.509
3.	26.456	35.184	201.6	26.455	2950.	2.706	34.920	241.5	2.467
4.	26.456	35.185	201.8	26.455	3000.	2.687	34.919	241.2	2.443
5.	26.458	35.184	202.3	26.457	3050.	2.656	34.917	240.9	2.408
10.	26.460	35.184	203.4	26.457	3100.	2.623	34.914	240.6	2.370
20.	26.341	35.191	205.1	26.336	3150.	2.610	34.914	240.6	2.352
30.	22.971	35.670	191.1	22.965	3200.	2.581	34.912	240.4	2.319
40.	18.898	35.633	149.6	18.891	3250.	2.571	34.911	240.2	2.304
50.	17.534	35.653	105.2	17.526	3296.	2.559	34.909	238.9	2.287
100.	15.736	35.587	78.2	15.720					
150.	14.723	35.492	72.7	14.700					
200.	13.548	35.357	76.1	13.519					
250.	12.645	35.260	84.3	12.611					
300.	11.601	35.159	80.0	11.563					
350.	10.782	35.114	59.3	10.739					
400.	9.872	35.036	48.5	9.826					
450.	8.770	34.901	54.7	8.721					
500.	8.100	34.835	60.5	8.048					
550.	7.631	34.794	64.9	7.575					
600.	7.072	34.745	71.8	7.014					
650.	6.679	34.712	79.3	6.618					
700.	6.447	34.714	85.1	6.382					
750.	5.970	34.681	95.6	5.903					
800.	5.665	34.674	105.6	5.595					
850.	5.507	34.687	112.9	5.433					
900.	5.348	34.693	119.2	5.271					
950.	5.149	34.719	128.8	5.068					
1000.	5.044	34.743	136.5	4.960					
1050.	4.942	34.776	144.7	4.854					
1100.	4.785	34.798	154.5	4.694					
1150.	4.708	34.818	161.1	4.613					
1200.	4.585	34.843	170.1	4.487					
1250.	4.479	34.871	179.4	4.376					
1300.	4.356	34.888	189.0	4.250					
1350.	4.256	34.902	196.0	4.146					
1400.	4.176	34.915	203.2	4.064					
1450.	4.068	34.926	210.3	3.952					
1500.	4.026	34.932	214.6	3.905					
1550.	3.963	34.936	217.9	3.839					
1600.	3.893	34.942	222.5	3.765					
1650.	3.822	34.943	225.3	3.690					
1700.	3.734	34.943	227.4	3.599					
1750.	3.691	34.945	229.2	3.551					
1800.	3.655	34.947	231.0	3.511					
1850.	3.613	34.949	233.1	3.465					
1900.	3.558	34.947	233.6	3.407					
1950.	3.520	34.947	235.0	3.364					
2000.	3.429	34.947	236.6	3.270					
2050.	3.377	34.945	236.6	3.214					
2100.	3.339	34.945	237.4	3.172					
2150.	3.312	34.944	237.9	3.141					
2200.	3.279	34.944	238.5	3.103					
2250.	3.215	34.942	238.9	3.035					
2300.	3.179	34.942	239.3	2.995					
2350.	3.127	34.941	239.8	2.939					
2400.	3.088	34.939	239.8	2.896					
2450.	3.047	34.937	240.0	2.851					
2500.	3.025	34.936	240.0	2.824					
2550.	2.992	34.935	240.3	2.788					
2600.	2.945	34.933	240.6	2.736					
2650.	2.921	34.932	241.0	2.707					
2700.	2.887	34.930	240.9	2.670					
2750.	2.841	34.928	241.2	2.619					
2800.	2.800	34.926	241.5	2.574					



Station 197

Station	: 198	Campagne	: CITHER1
Date	: 05-03-93	Navire	: L'ATALANTE
Profondeur:	2966 m	Organisme	: IFREMER
Position	: N 8 14.03		
	W 14 37.00		

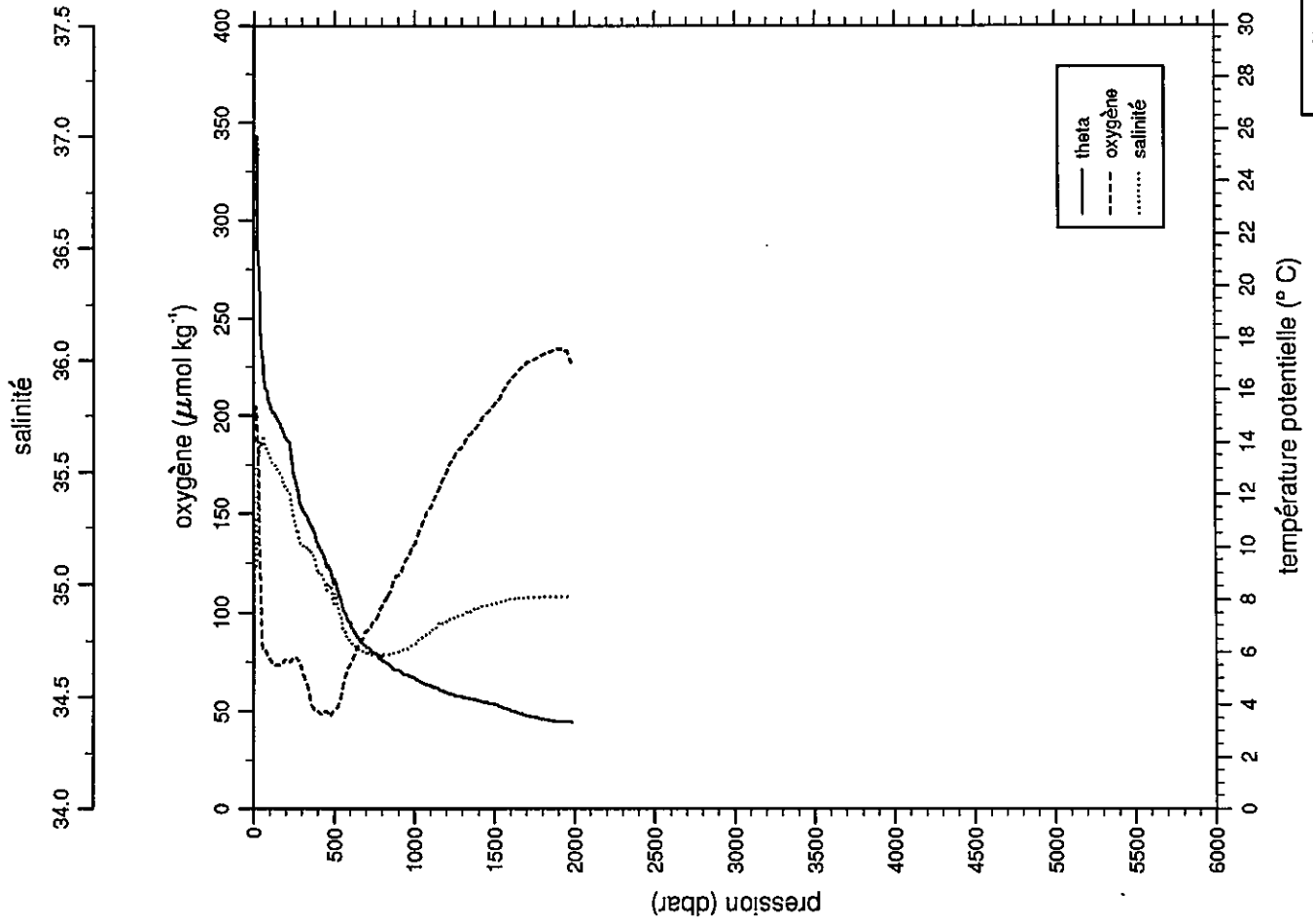
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	26.148	35.230	202.4	26.147	2850.	2.772	34.924	241.2	2.541
2.	26.148	35.230	200.5	26.147	2900.	2.724	34.921	241.2	2.490
3.	26.141	35.231	199.6	26.140	2950.	2.699	34.920	238.1	2.460
4.	26.143	35.230	200.1	26.142	2970.	2.675	34.919	236.4	2.435
5.	26.145	35.230	201.0	26.144					
10.	26.150	35.230	203.8	26.148					
20.	26.083	35.231	201.6	26.078					
30.	20.746	35.609	171.1	20.740					
40.	18.621	35.641	124.3	18.614					
50.	17.920	35.645	90.4	17.912					
100.	16.267	35.629	82.1	16.251					
150.	14.784	35.498	73.9	14.761					
200.	14.038	35.415	72.4	14.009					
250.	12.530	35.250	81.5	12.496					
300.	11.306	35.139	73.5	11.268					
350.	10.778	35.114	58.2	10.735					
400.	9.914	35.030	49.6	9.868					
450.	9.188	34.954	50.8	9.138					
500.	8.522	34.881	57.8	8.468					
550.	7.746	34.804	64.9	7.690					
600.	7.393	34.785	65.8	7.333					
650.	6.974	34.745	74.5	6.911					
700.	6.548	34.716	81.4	6.483					
750.	6.168	34.695	91.2	6.100					
800.	5.753	34.680	102.1	5.683					
850.	5.581	34.686	109.7	5.507					
900.	5.410	34.694	116.3	5.333					
950.	5.170	34.715	126.7	5.090					
1000.	5.044	34.739	136.2	4.960					
1050.	4.864	34.783	148.4	4.777					
1100.	4.749	34.804	157.0	4.658					
1150.	4.689	34.834	163.9	4.594					
1200.	4.586	34.844	170.5	4.487					
1250.	4.429	34.869	181.2	4.327					
1300.	4.314	34.887	190.5	4.208					
1350.	4.245	34.901	197.3	4.136					
1400.	4.186	34.914	202.7	4.073					
1450.	4.049	34.924	210.1	3.933					
1500.	4.004	34.928	213.5	3.884					
1550.	3.924	34.938	219.5	3.801					
1600.	3.839	34.943	224.7	3.711					
1650.	3.793	34.947	228.1	3.661					
1700.	3.724	34.946	229.2	3.588					
1750.	3.674	34.947	230.5	3.535					
1800.	3.615	34.947	231.9	3.472					
1850.	3.548	34.947	233.7	3.402					
1900.	3.488	34.947	235.3	3.338					
1950.	3.447	34.946	235.7	3.292					
2000.	3.393	34.944	236.3	3.234					
2050.	3.341	34.944	237.2	3.178					
2100.	3.297	34.943	237.7	3.130					
2150.	3.246	34.943	238.6	3.076					
2200.	3.223	34.943	238.9	3.048					
2250.	3.197	34.942	238.9	3.017					
2300.	3.173	34.941	239.2	2.989					
2350.	3.119	34.939	239.8	2.931					
2400.	3.077	34.938	239.6	2.886					
2450.	3.040	34.936	239.9	2.845					
2500.	2.982	34.934	240.3	2.782					
2550.	2.957	34.933	240.2	2.753					
2600.	2.945	34.932	240.4	2.736					
2650.	2.897	34.931	240.9	2.685					
2700.	2.873	34.930	241.0	2.656					
2750.	2.838	34.928	241.1	2.616					
2800.	2.800	34.925	241.2	2.574					



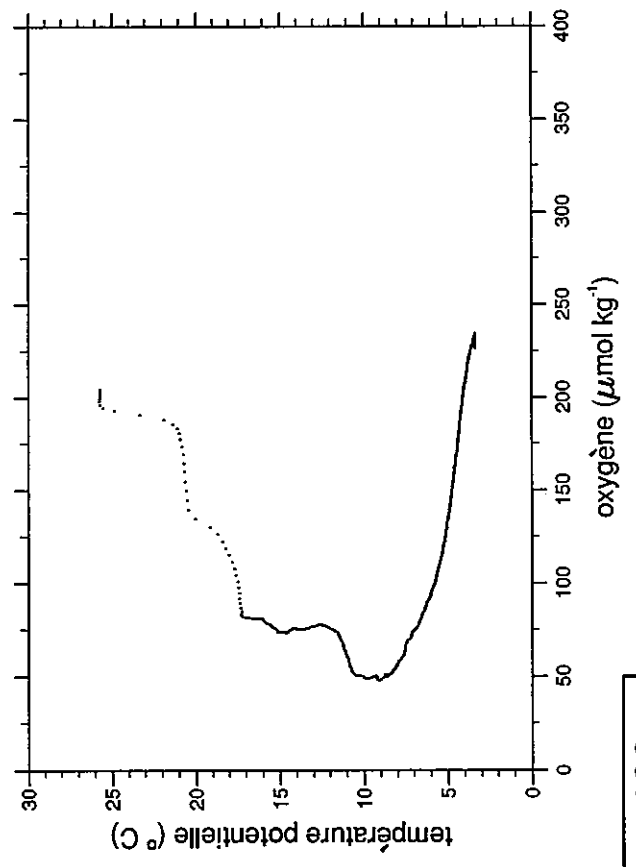
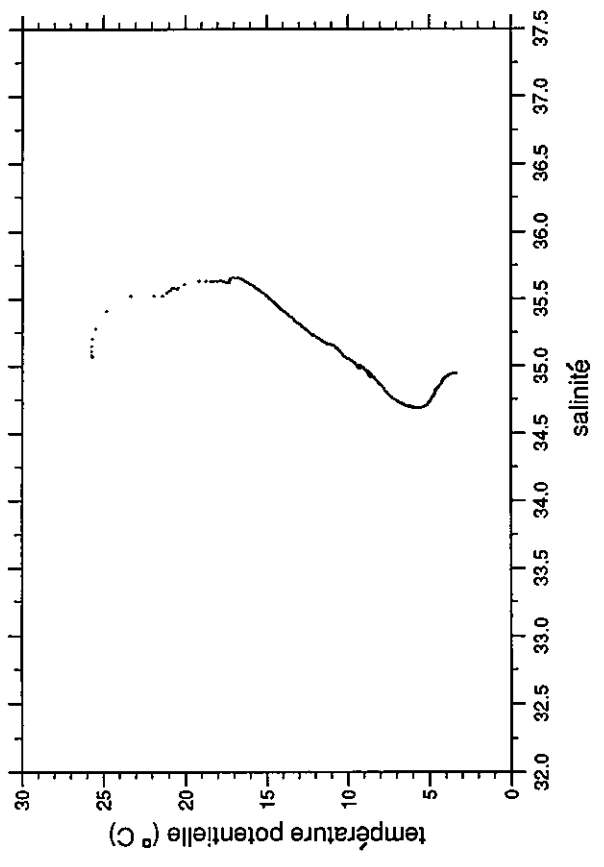
Station 198

Station	: 199	Campagne	: CITHER1
Date	: 05-03-93	Navire	: L'ATALANTE
Profondeur:	1981 m	Organisme	: IFREMER
Position	: N 8 15.79		
	W 14 31.39		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	25.706	35.070	202.8	25.706
2.	25.706	35.070	200.5	25.706
3.	25.703	35.072	199.7	25.702
4.	25.706	35.072	200.9	25.705
5.	25.710	35.071	201.4	25.709
10.	25.706	35.070	204.3	25.704
20.	25.509	35.276	194.4	25.505
30.	20.718	35.580	164.6	20.712
40.	18.233	35.629	118.7	18.226
50.	17.333	35.623	86.6	17.325
100.	15.417	35.560	76.2	15.402
150.	14.854	35.507	73.7	14.832
200.	14.158	35.428	76.0	14.129
250.	12.714	35.280	77.6	12.680
300.	11.459	35.173	70.7	11.421
350.	10.910	35.156	56.5	10.867
400.	10.045	35.048	49.8	9.998
450.	9.399	34.988	50.2	9.348
500.	8.838	34.963	50.6	8.783
550.	7.800	34.822	59.9	7.744
600.	7.181	34.755	73.9	7.122
650.	6.605	34.713	83.0	6.545
700.	6.256	34.690	90.4	6.192
750.	6.020	34.689	96.0	5.953
800.	5.752	34.683	103.6	5.682
850.	5.548	34.689	111.1	5.474
900.	5.377	34.698	119.0	5.300
950.	5.213	34.711	126.9	5.132
1000.	5.088	34.732	134.2	5.004
1050.	4.916	34.764	144.9	4.829
1100.	4.806	34.785	152.9	4.714
1150.	4.707	34.822	161.6	4.612
1200.	4.547	34.835	171.1	4.449
1250.	4.451	34.854	178.9	4.349
1300.	4.395	34.865	184.2	4.289
1350.	4.330	34.881	190.4	4.220
1400.	4.270	34.895	195.3	4.156
1450.	4.198	34.906	201.0	4.081
1500.	4.135	34.917	205.6	4.014
1550.	4.009	34.925	211.5	3.884
1600.	3.915	34.934	218.3	3.787
1650.	3.820	34.939	222.6	3.689
1700.	3.721	34.942	226.7	3.586
1750.	3.662	34.943	228.9	3.523
1800.	3.588	34.944	231.2	3.445
1850.	3.544	34.945	232.7	3.397
1900.	3.501	34.945	234.2	3.350
1950.	3.494	34.945	233.4	3.339
1984.	3.483	34.945	226.4	3.324

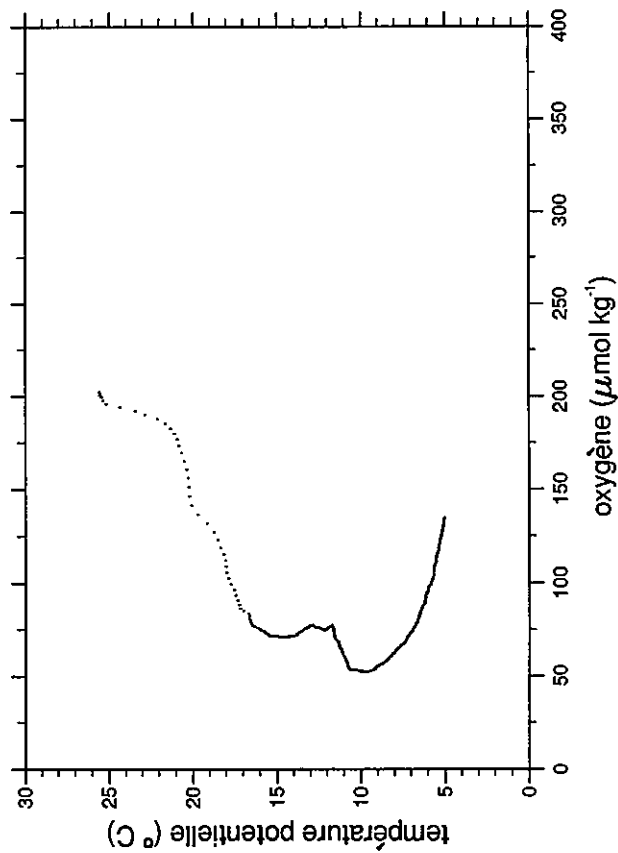
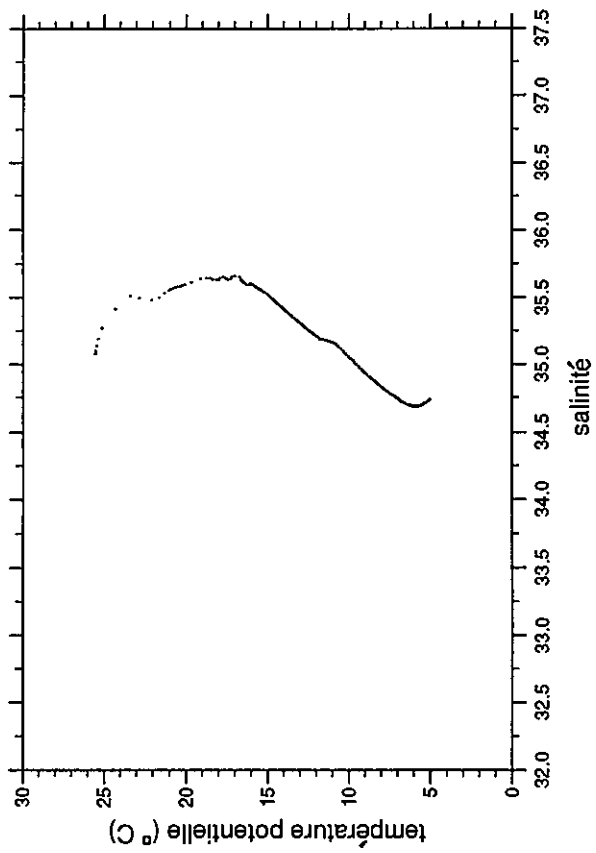
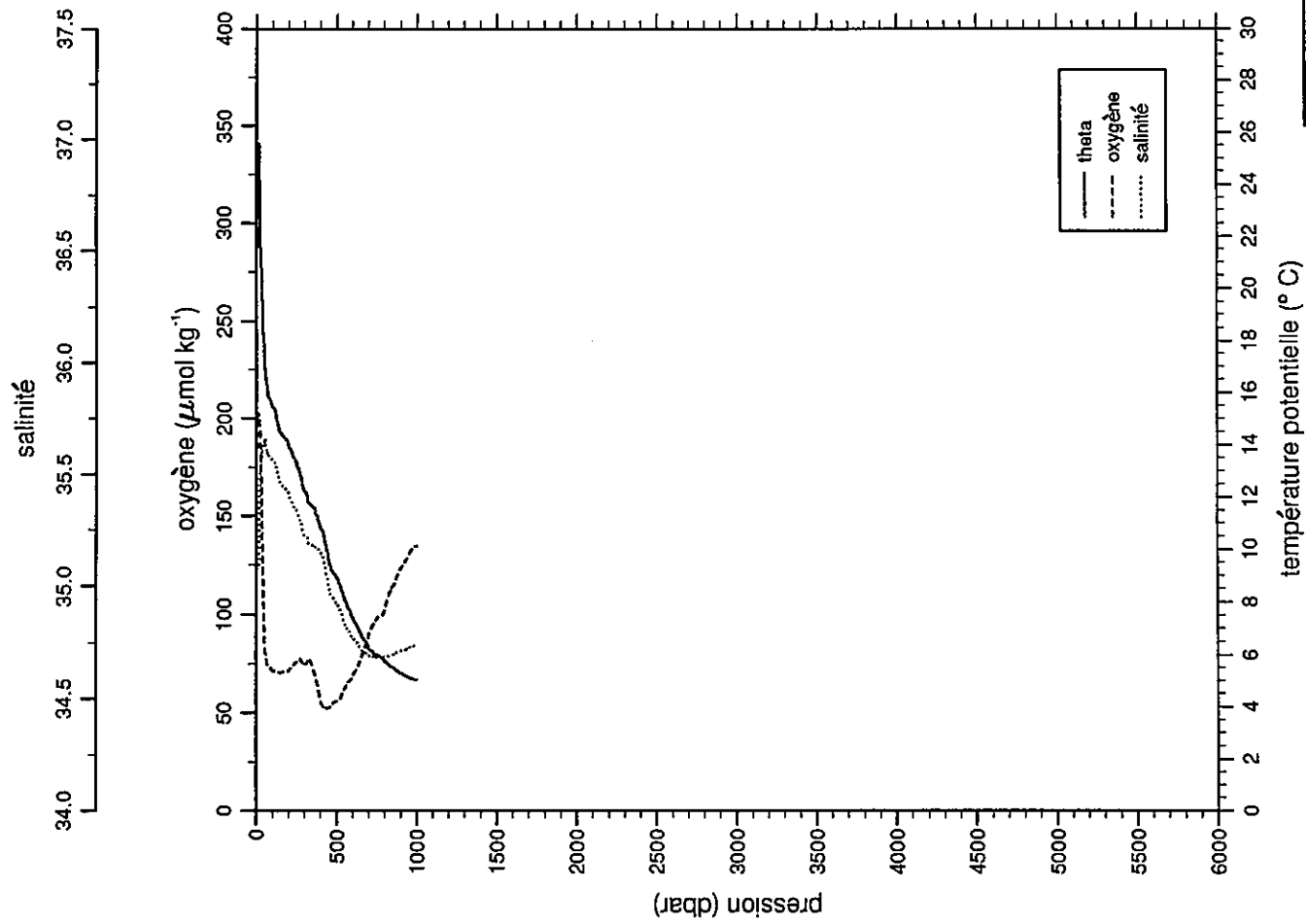


Station 199



Station	: 200	Campagne	: CITHERR1
Date	: 05-03-93	Navire	: L'ATALANTE
Profondeur:	1014 m	Organisme	: IFRMERM
Position	: N 8 18.62		
	W 14 25.61		

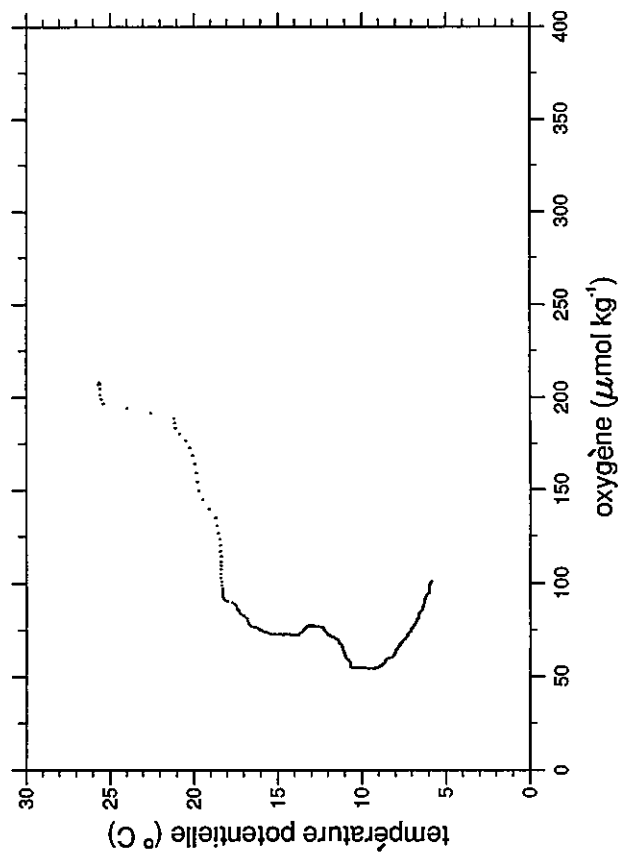
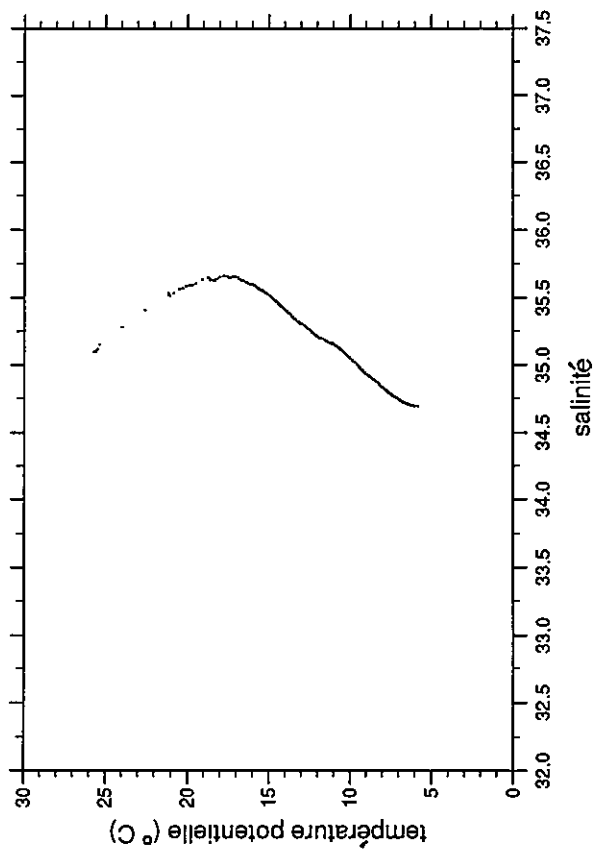
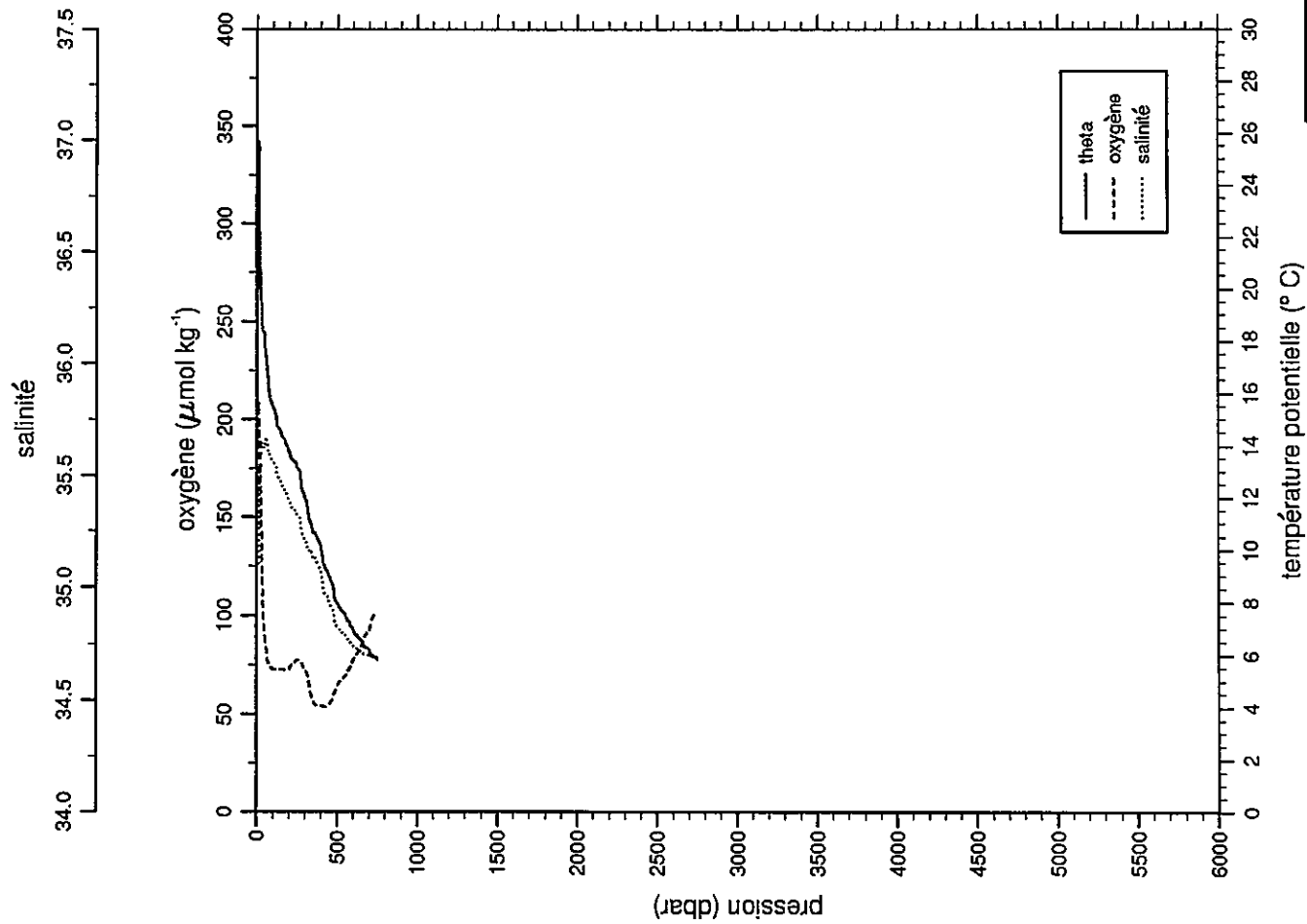
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	25.551	35.079	201.2	25.551
2.	25.551	35.079	201.0	25.551
3.	25.554	35.079	200.6	25.553
4.	25.553	35.079	200.9	25.552
5.	25.552	35.079	201.1	25.551
10.	25.551	35.078	201.8	25.549
20.	24.337	35.413	194.4	24.333
30.	20.520	35.580	165.2	20.514
40.	18.340	35.634	119.1	18.333
50.	17.261	35.638	88.5	17.253
100.	15.419	35.554	71.6	15.404
150.	14.471	35.462	70.6	14.449
200.	13.946	35.404	71.6	13.917
250.	13.242	35.333	76.0	13.207
300.	12.217	35.227	74.6	12.177
350.	11.657	35.184	73.0	11.612
400.	10.833	35.147	55.8	10.784
450.	9.641	35.005	52.3	9.590
500.	8.936	34.923	56.0	8.881
550.	8.123	34.839	62.1	8.066
600.	7.428	34.774	68.6	7.369
650.	6.848	34.724	77.3	6.786
700.	6.278	34.692	89.5	6.214
750.	6.038	34.685	97.6	5.971
800.	5.786	34.687	102.5	5.716
850.	5.575	34.698	114.1	5.502
900.	5.341	34.716	123.3	5.264
950.	5.190	34.728	130.1	5.110
1000.	5.106	34.736	134.4	5.021
1001.	5.104	34.737	134.5	5.019



Station 200

Station	: 201	Campagne	: CITHER1
Date	: 05-03-93	Navire	: L'ATALANTE
Profondeur:	805 m	Organisme	: IFREMER
Position	: N 8 19.87		
	W 14 24.20		

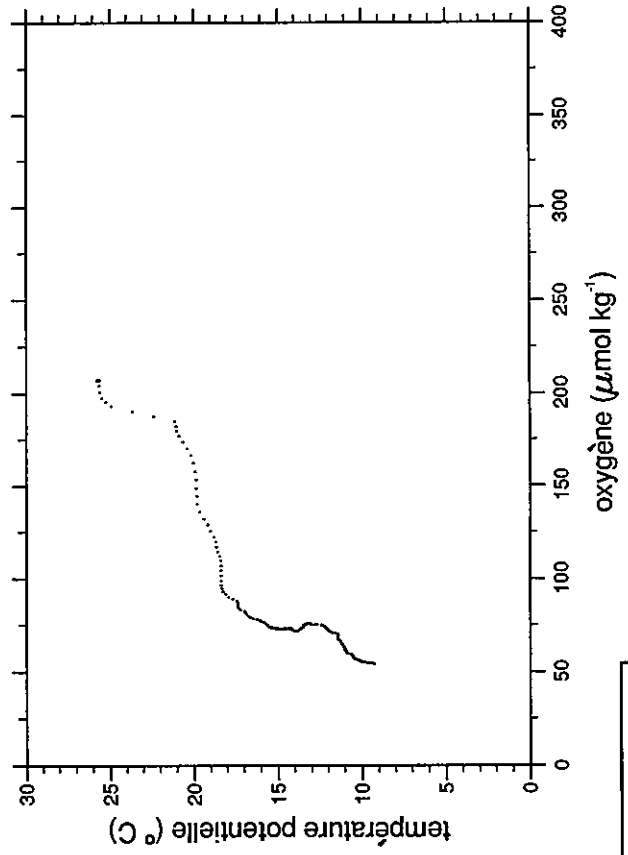
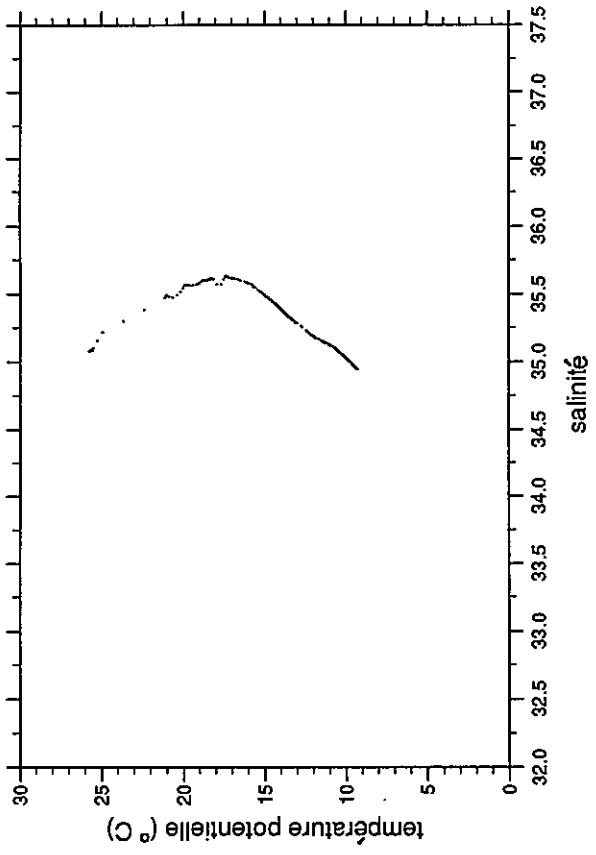
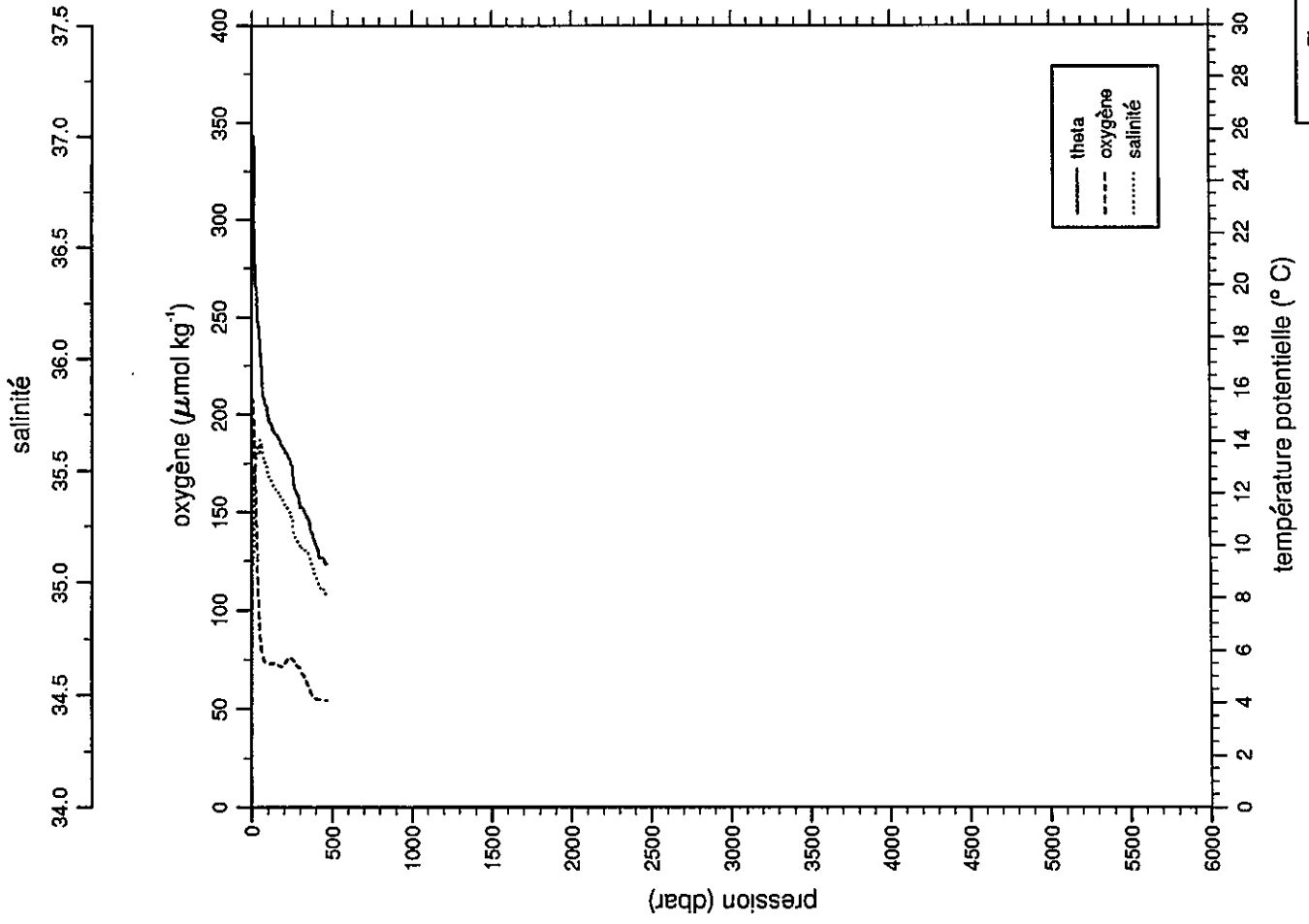
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	25.604	35.106	207.6	25.604
2.	25.604	35.106	207.6	25.604
3.	25.604	35.106	207.1	25.604
4.	25.604	35.106	206.8	25.603
5.	25.697	35.098	206.7	25.695
10.	25.616	35.098	207.4	25.614
20.	20.838	35.537	180.3	20.835
30.	18.704	35.647	135.0	18.698
40.	18.380	35.628	105.2	18.373
50.	18.168	35.639	91.2	18.159
100.	15.508	35.560	73.0	15.493
150.	14.510	35.469	72.8	14.488
200.	13.800	35.387	72.6	13.771
250.	13.178	35.320	77.2	13.143
300.	12.037	35.211	72.4	11.997
350.	10.690	35.126	57.0	10.648
400.	10.079	35.058	54.2	10.032
450.	9.048	34.936	54.9	8.998
500.	8.023	34.829	64.2	7.971
550.	7.591	34.790	69.1	7.536
600.	7.015	34.743	76.9	6.957
650.	6.643	34.716	83.8	6.582
700.	6.269	34.697	92.2	6.205
750.	5.906	34.692	101.2	5.840
752.	5.886	34.691	101.1	5.820



Station 201

Station	: 202	Campagne	: CITHER1
Date	: 05-03-93	Navire	: L'ATALANTE
Profondeur:	503 m	Organisme	: IFREMER
Position	: N 8 19.97		
	W 14 23.42		

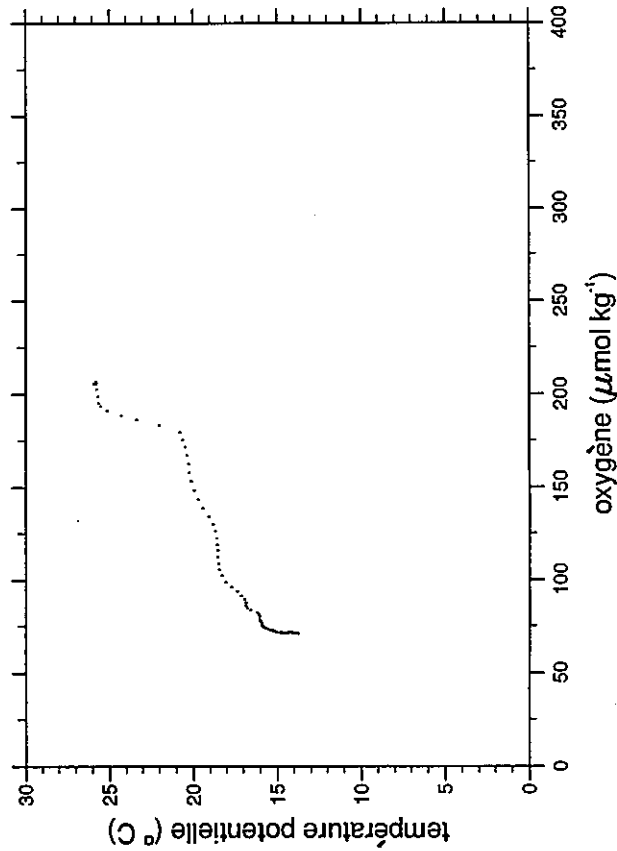
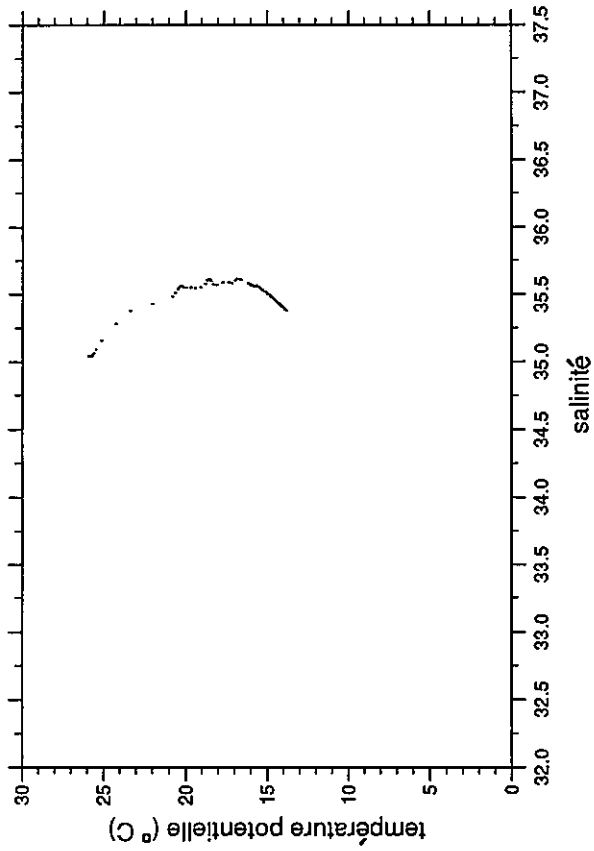
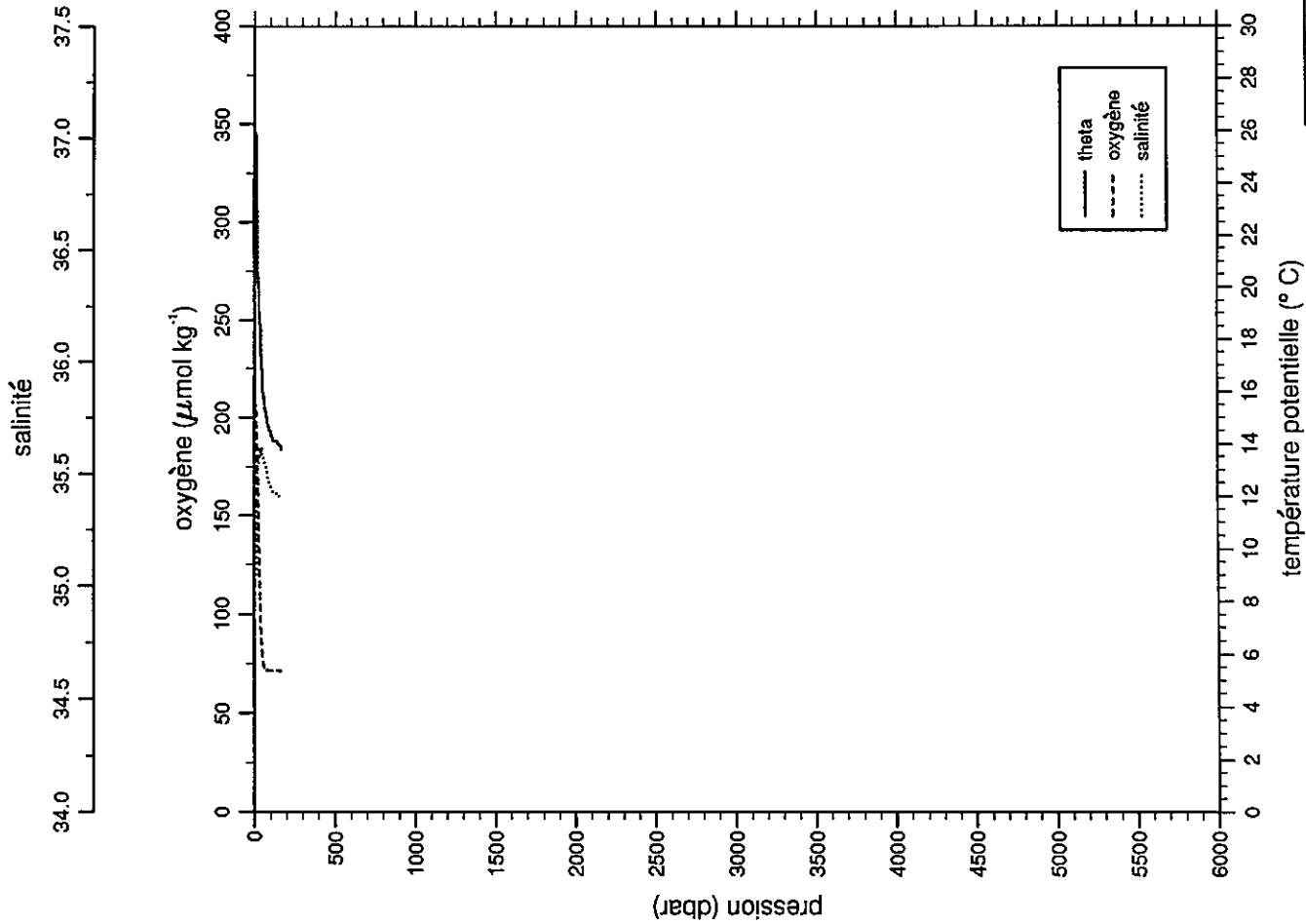
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	25.622	35.091	207.2	25.622
2.	25.622	35.091	206.4	25.622
3.	25.739	35.081	206.5	25.739
4.	25.736	35.080	207.0	25.735
5.	25.727	35.081	207.1	25.725
10.	25.620	35.081	204.0	25.618
20.	20.851	35.482	176.8	20.847
30.	19.636	35.567	136.0	19.631
40.	18.398	35.606	106.8	18.391
50.	17.474	35.609	88.1	17.466
100.	14.947	35.488	72.8	14.932
150.	14.254	35.414	73.0	14.232
200.	13.730	35.355	72.6	13.702
250.	13.069	35.286	75.5	13.035
300.	11.453	35.150	70.1	11.415
350.	11.061	35.126	61.8	11.018
400.	10.009	35.023	55.1	9.962
450.	9.469	34.962	54.3	9.418
466.	9.323	34.946	54.1	9.271



Station 202

Station	: 203	Campagne	: CITHER1
Date	: 05-03-93	Navire	: L'ATALANTE
Profondeur:	200 m	Organisme	: IFREMER
Position	: N 8 20.40		
	W 14 21.55		

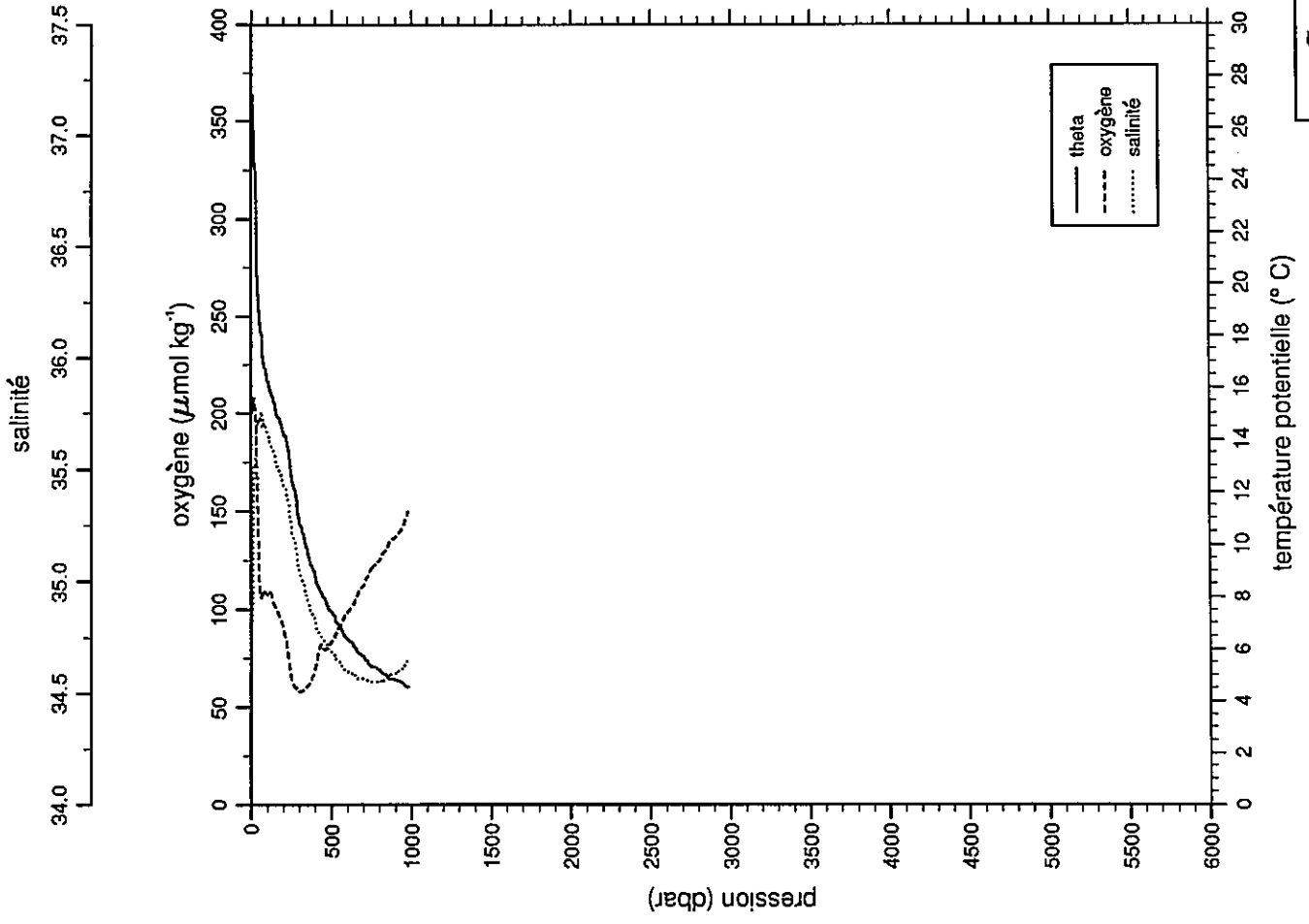
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	25.783	35.050	206.7	25.783
2.	25.783	35.050	205.6	25.783
3.	25.915	35.046	205.5	25.914
4.	25.911	35.043	205.9	25.910
5.	25.896	35.040	205.8	25.895
10.	25.736	35.043	202.7	25.734
20.	20.463	35.541	171.6	20.459
30.	18.682	35.601	126.1	18.677
40.	17.360	35.589	93.5	17.354
50.	16.043	35.571	79.1	16.035
100.	14.449	35.450	71.5	14.435
150.	13.986	35.400	71.4	13.964
167.	13.804	35.380	71.4	13.780



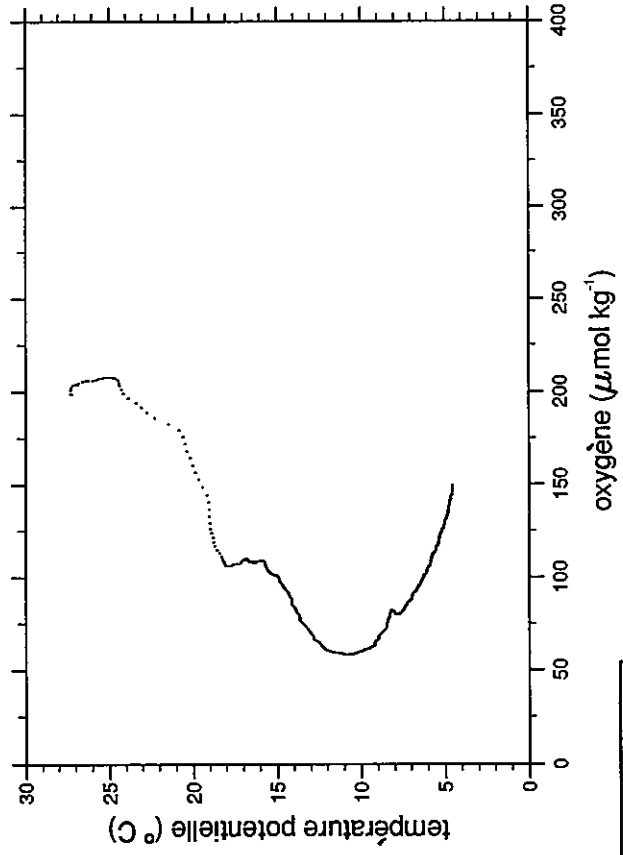
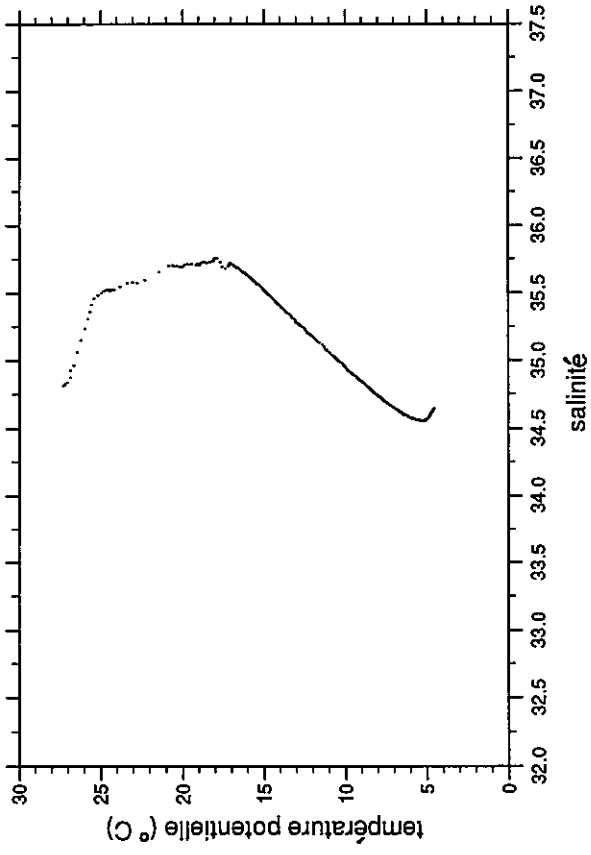
Station 203

Station	: 204	Campagne	: CITHER1
Date	: 10-03-93	Navire	: L'ATALANTE
Profondeur:	937 m	Organisme	: IFREMER
Position	: N 4 54.90		
	W 3 49.89		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	26.859	34.930	203.8	26.859
2.	27.268	34.816	198.7	27.267
3.	27.278	34.815	199.0	27.278
4.	27.278	34.817	200.9	27.277
5.	27.260	34.822	202.3	27.259
10.	26.454	35.061	205.8	26.452
20.	24.643	35.524	207.4	24.639
30.	22.769	35.575	188.9	22.763
40.	19.675	35.713	152.9	19.668
50.	18.754	35.726	118.9	18.746
100.	16.284	35.656	107.8	16.268
150.	15.295	35.553	101.6	15.272
200.	14.274	35.429	89.9	14.245
250.	12.632	35.245	65.5	12.598
300.	10.867	35.045	58.1	10.830
350.	9.810	34.921	60.9	9.769
400.	8.792	34.820	70.0	8.749
450.	8.026	34.741	80.5	7.980
500.	7.474	34.687	83.6	7.425
550.	6.950	34.642	90.9	6.897
600.	6.445	34.600	98.5	6.390
650.	6.086	34.576	104.6	6.028
700.	5.786	34.565	112.5	5.725
750.	5.405	34.552	121.0	5.341
800.	5.270	34.553	125.2	5.203
850.	5.007	34.568	131.8	4.937
900.	4.886	34.587	136.8	4.813
950.	4.749	34.617	142.5	4.672
980.	4.621	34.648	149.4	4.542



Station 204

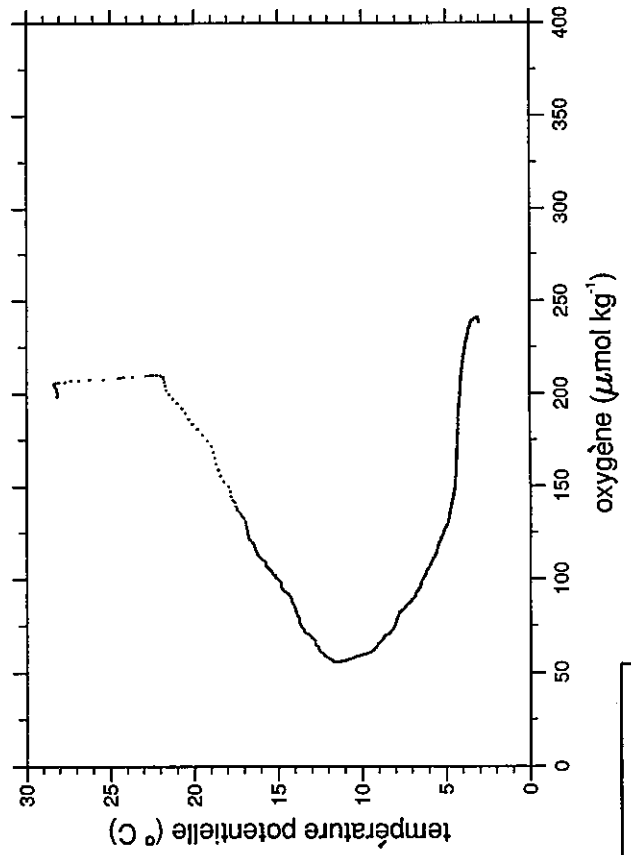
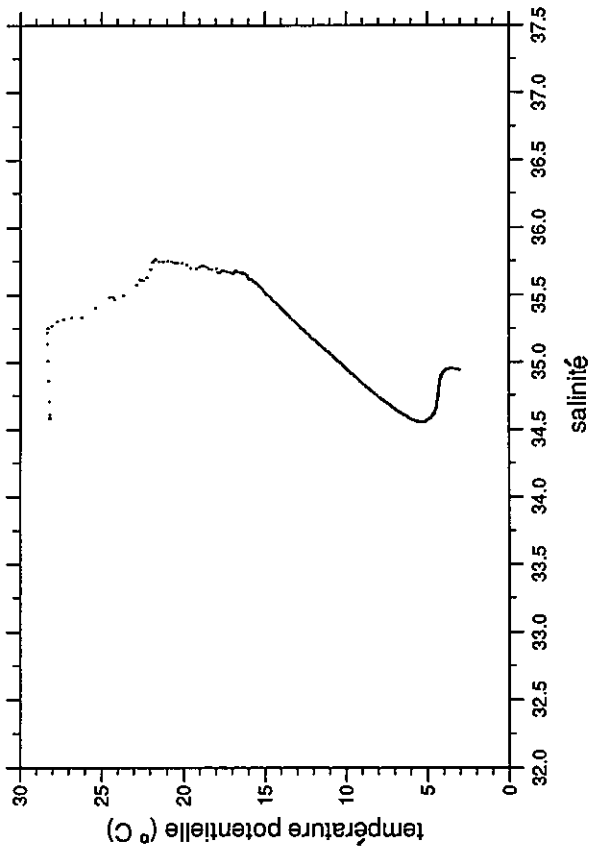
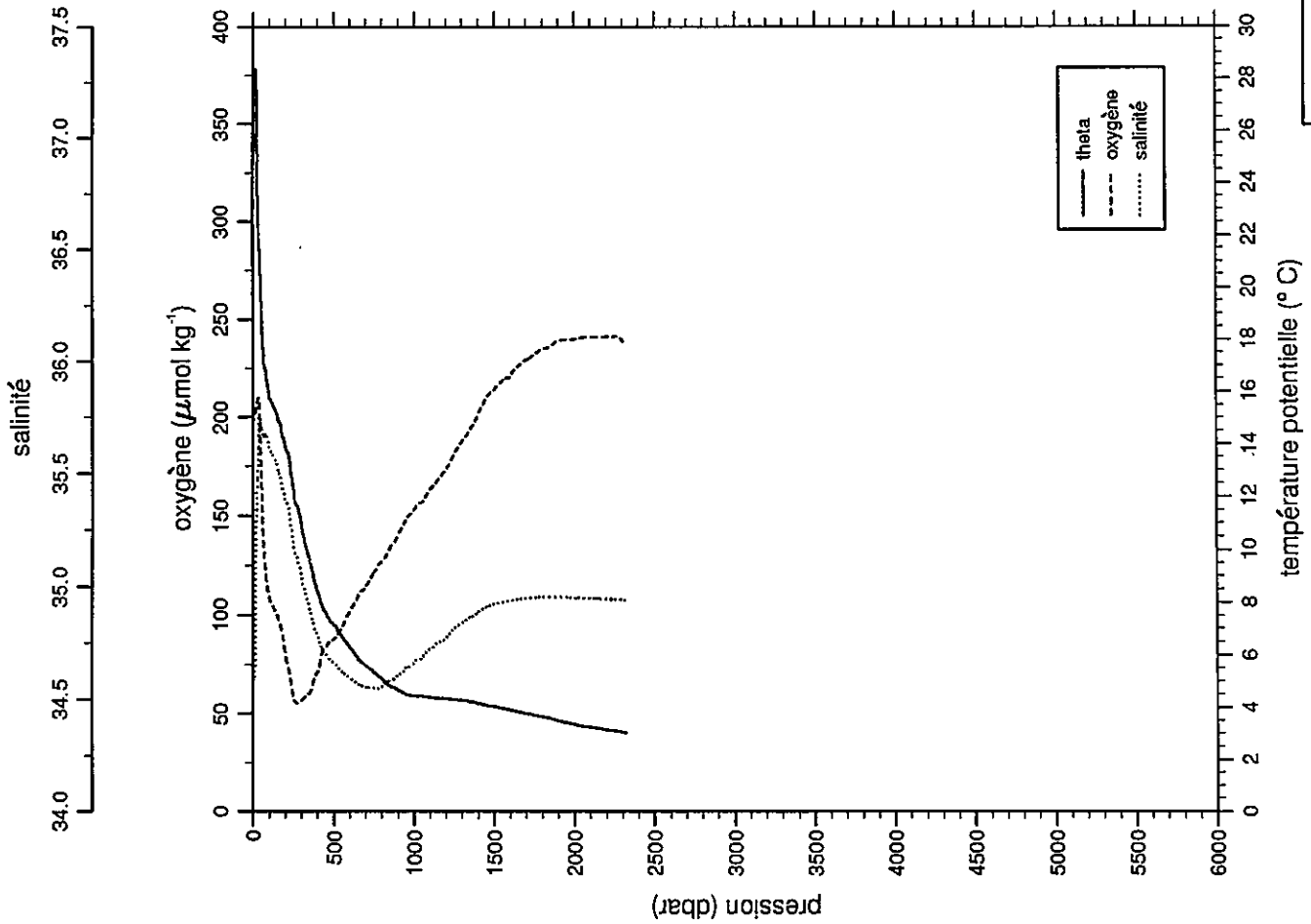


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| Station   : 205      Campagne  : CITHER1
| Date      : 11-03-93 Navire    : L'ATALANTE
| Profondeur: 2309 m   Organisme : IFREMER
| Position  : N   4 29.93
|            W   3 49.88
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PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.
1.	28.154	34.586	199.9	28.153
2.	28.153	34.586	198.1	28.153
3.	28.153	34.586	198.3	28.152
4.	28.151	34.585	199.0	28.150
5.	28.149	34.584	199.3	28.148
10.	28.155	34.582	201.0	28.152
20.	27.678	35.300	206.3	27.673
30.	22.663	35.612	209.7	22.657
40.	21.470	35.747	199.7	21.462
50.	18.982	35.708	171.6	18.973
100.	15.745	35.604	108.9	15.729
150.	15.040	35.529	99.8	15.018
200.	13.884	35.380	80.4	13.855
250.	12.267	35.198	59.2	12.234
300.	10.950	35.053	56.8	10.913
350.	9.632	34.909	60.5	9.592
400.	8.440	34.782	70.8	8.398
450.	7.640	34.703	83.3	7.595
500.	7.152	34.660	87.6	7.104
550.	6.752	34.626	93.3	6.700
600.	6.310	34.594	101.5	6.256
650.	5.922	34.569	109.1	5.865
700.	5.633	34.555	114.6	5.573
750.	5.391	34.551	121.2	5.328
800.	5.135	34.558	127.1	5.069
850.	4.887	34.583	133.9	4.818
900.	4.729	34.608	140.2	4.656
950.	4.581	34.641	147.8	4.505
1000.	4.520	34.660	153.0	4.440
1050.	4.488	34.682	156.8	4.404
1100.	4.465	34.722	163.5	4.376
1150.	4.434	34.749	168.2	4.342
1200.	4.414	34.772	173.0	4.317
1250.	4.382	34.814	181.2	4.281
1300.	4.364	34.838	187.6	4.258
1350.	4.314	34.865	193.8	4.204
1400.	4.247	34.891	201.3	4.134
1450.	4.192	34.912	209.6	4.075
1500.	4.145	34.922	214.2	4.023
1550.	4.086	34.932	218.7	3.961
1600.	4.038	34.938	220.9	3.908
1650.	3.968	34.944	226.0	3.834
1700.	3.897	34.948	229.2	3.760
1750.	3.833	34.950	232.1	3.692
1800.	3.776	34.952	234.5	3.631
1850.	3.715	34.953	236.1	3.566
1900.	3.633	34.954	238.7	3.481
1950.	3.570	34.952	239.4	3.413
2000.	3.516	34.950	239.7	3.356
2050.	3.444	34.948	240.6	3.280
2100.	3.400	34.947	240.9	3.232
2150.	3.365	34.946	240.8	3.192
2200.	3.316	34.945	241.1	3.140
2250.	3.278	34.943	241.0	3.098
2300.	3.231	34.941	239.1	3.047
2322.	3.198	34.940	238.4	3.012



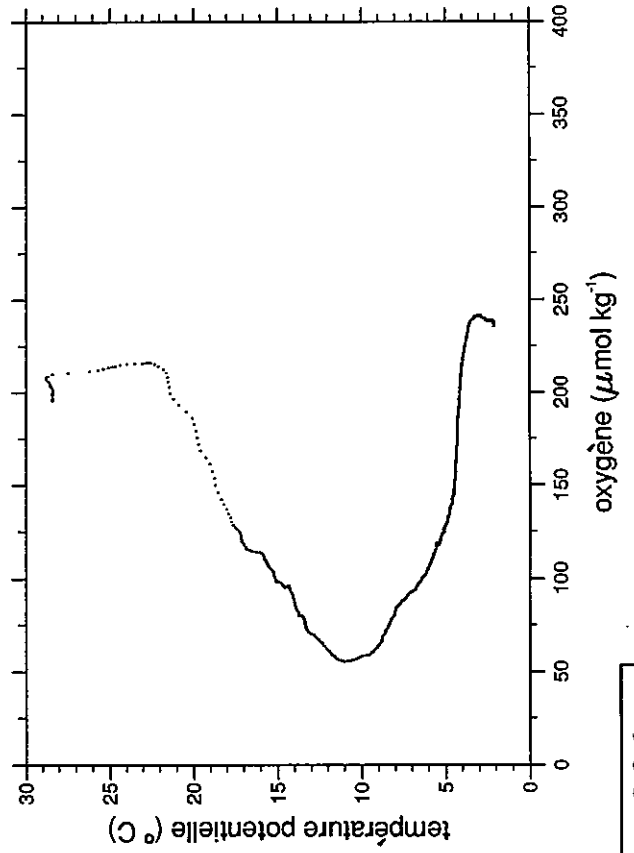
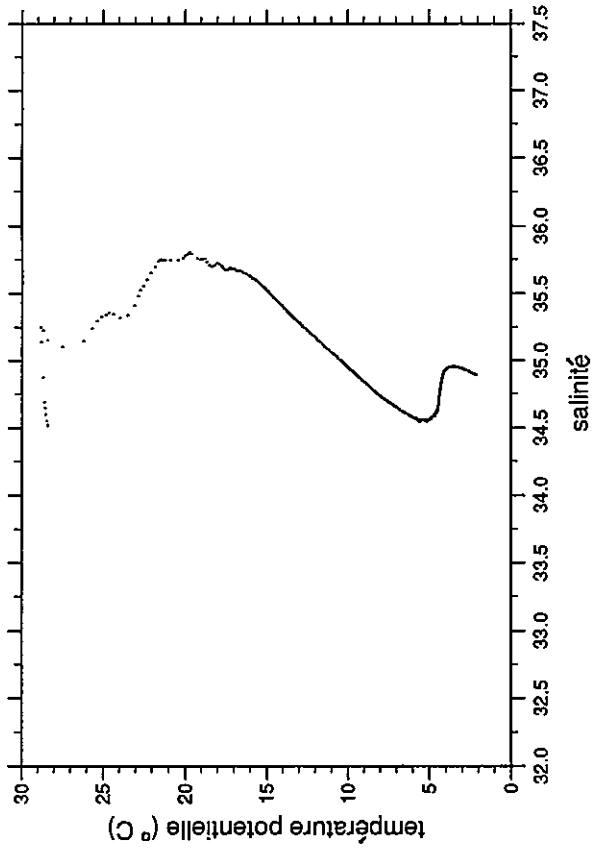
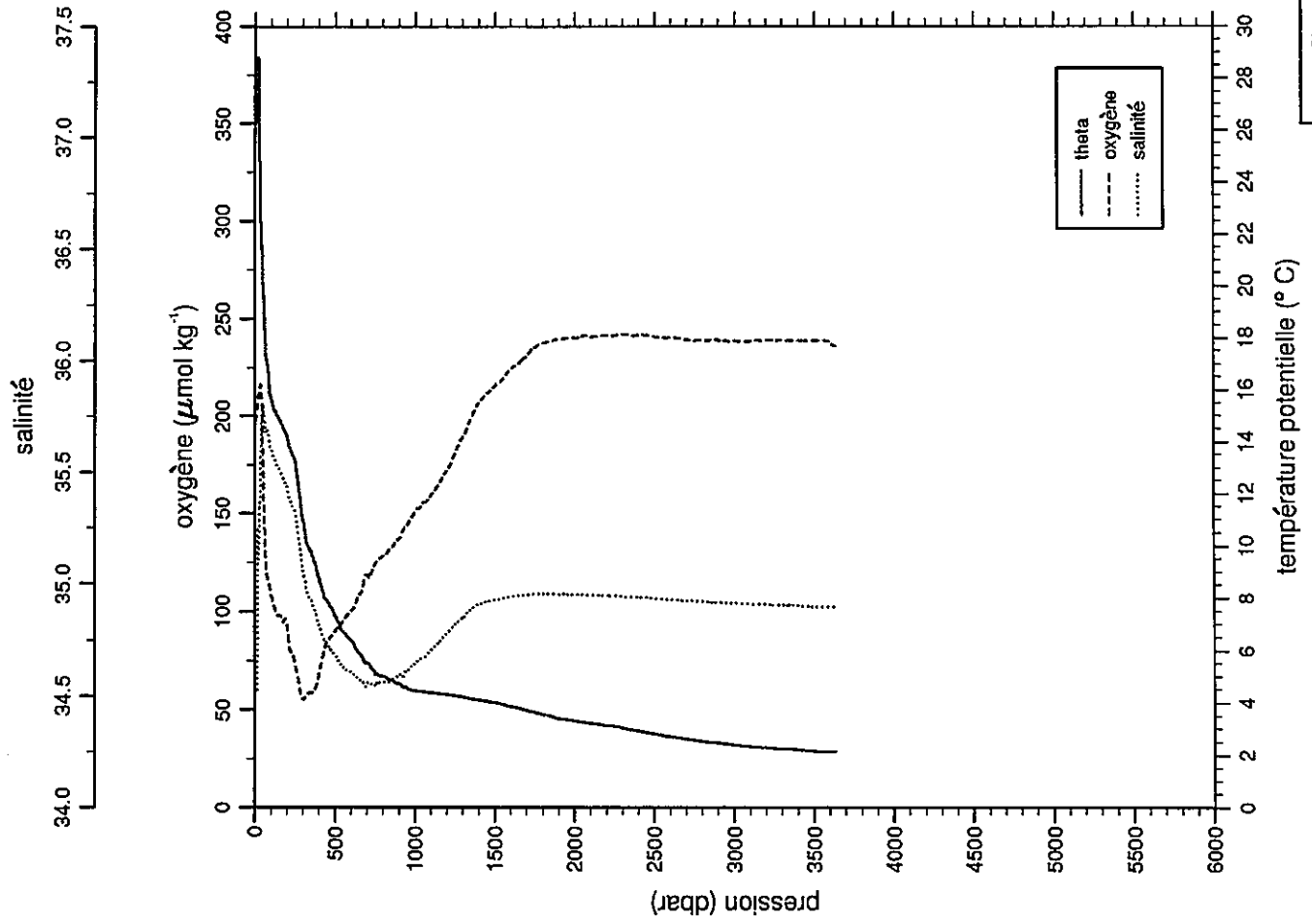
Station 205

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| Station   : 206           Campagne  : CITHER1
| Date      : 11-03-93     Navire    : L'ATALANTE
| Profondeur: 3592 m       Organisme : IFREMER
| Position  : N   4  0.01
|           : W   3 50.01
|
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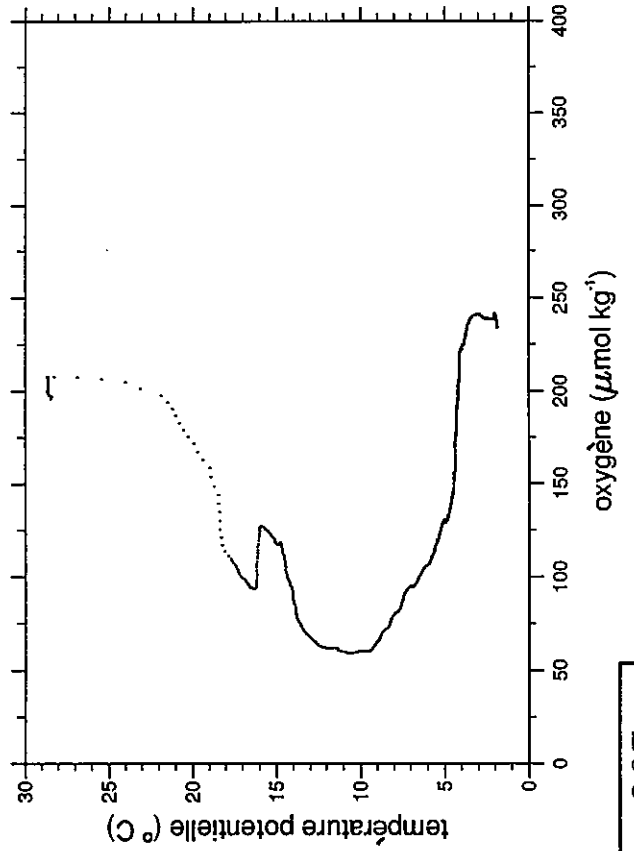
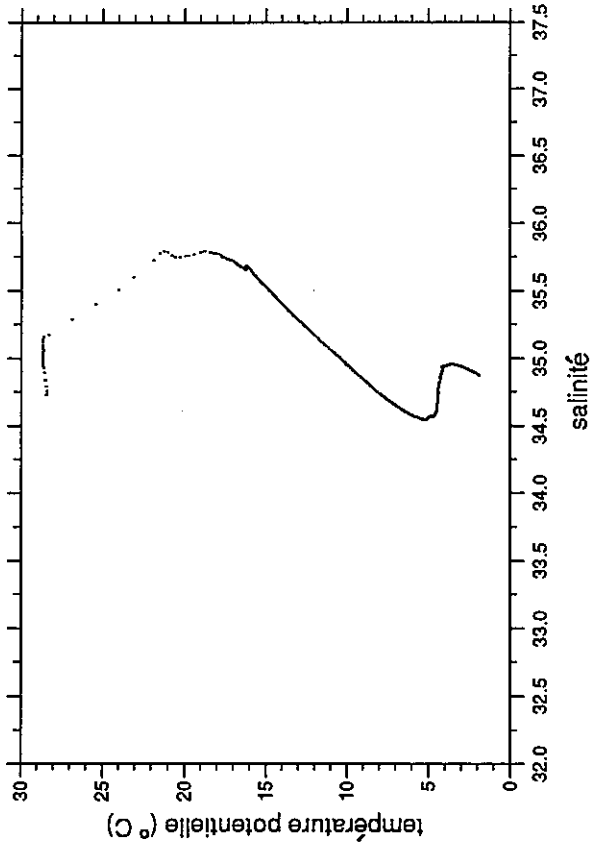
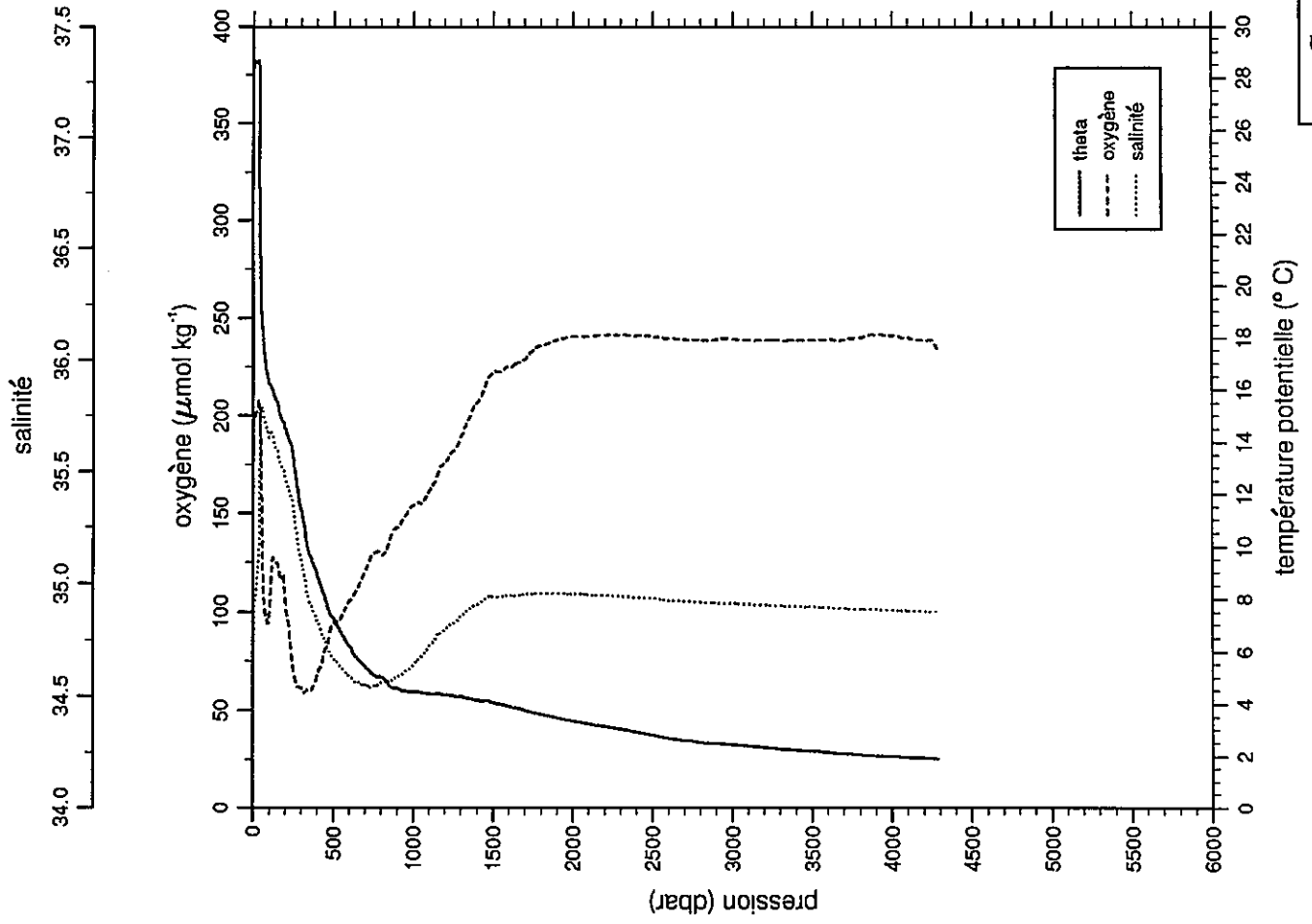
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.415	34.518	198.5	28.415	2850.	2.733	34.916	238.9	2.503
2.	28.417	34.521	195.4	28.417	2900.	2.717	34.914	238.9	2.483
3.	28.418	34.519	195.9	28.417	2950.	2.685	34.912	238.5	2.446
4.	28.416	34.517	196.6	28.415	3000.	2.652	34.910	238.4	2.409
5.	28.413	34.516	197.1	28.412	3050.	2.612	34.908	238.1	2.365
10.	28.415	34.517	200.1	28.412	3100.	2.594	34.907	238.2	2.342
20.	28.812	35.251	208.1	28.807	3150.	2.573	34.905	238.8	2.316
30.	24.386	35.349	214.7	24.379	3200.	2.555	34.904	238.9	2.294
40.	21.638	35.736	210.6	21.631	3250.	2.533	34.903	238.8	2.266
50.	19.872	35.789	179.2	19.863	3300.	2.509	34.901	238.8	2.238
100.	15.714	35.606	109.4	15.699	3350.	2.509	34.901	238.5	2.233
150.	14.930	35.517	98.0	14.907	3400.	2.491	34.899	238.5	2.210
200.	14.256	35.431	93.6	14.227	3450.	2.454	34.896	238.6	2.169
250.	13.354	35.320	73.7	13.319	3500.	2.443	34.895	238.4	2.152
300.	11.017	35.058	55.2	10.980	3550.	2.433	34.894	238.7	2.137
350.	9.829	34.930	58.4	9.788	3600.	2.432	34.894	237.8	2.131
400.	8.815	34.816	68.3	8.772	3634.	2.430	34.894	235.6	2.125
450.	7.966	34.731	84.6	7.920					
500.	7.379	34.678	89.6	7.330					
550.	6.801	34.628	95.3	6.749					
600.	6.461	34.604	100.0	6.406					
650.	5.974	34.571	107.9	5.917					
700.	5.598	34.556	118.6	5.538					
750.	5.233	34.547	123.9	5.170					
800.	5.092	34.559	127.9	5.025					
850.	4.945	34.569	132.1	4.875					
900.	4.823	34.589	136.9	4.749					
950.	4.667	34.612	143.7	4.591					
1000.	4.549	34.642	150.5	4.469					
1050.	4.521	34.672	155.0	4.437					
1100.	4.479	34.703	159.1	4.391					
1150.	4.456	34.736	164.9	4.363					
1200.	4.423	34.775	171.9	4.326					
1250.	4.385	34.818	180.7	4.284					
1300.	4.341	34.849	188.9	4.236					
1350.	4.280	34.883	198.3	4.170					
1400.	4.229	34.905	206.7	4.115					
1450.	4.190	34.916	211.4	4.072					
1500.	4.146	34.926	215.3	4.024					
1550.	4.078	34.933	219.0	3.953					
1600.	3.997	34.942	224.3	3.867					
1650.	3.934	34.946	227.2	3.801					
1700.	3.857	34.950	231.0	3.720					
1750.	3.785	34.953	235.1	3.645					
1800.	3.710	34.954	237.2	3.565					
1850.	3.637	34.954	238.5	3.489					
1900.	3.558	34.953	239.5	3.407					
1950.	3.522	34.952	239.9	3.366					
2000.	3.479	34.951	240.2	3.319					
2050.	3.426	34.950	241.0	3.262					
2100.	3.388	34.948	240.6	3.220					
2150.	3.370	34.947	241.1	3.197					
2200.	3.311	34.945	241.2	3.135					
2250.	3.288	34.944	241.3	3.107					
2300.	3.222	34.941	241.8	3.037					
2350.	3.157	34.939	241.5	2.969					
2400.	3.119	34.938	241.4	2.927					
2450.	3.063	34.935	241.5	2.867					
2500.	3.019	34.932	240.7	2.819					
2550.	2.956	34.929	240.3	2.752					
2600.	2.927	34.927	240.2	2.719					
2650.	2.887	34.925	239.9	2.674					
2700.	2.843	34.922	239.2	2.626					
2750.	2.805	34.920	238.7	2.584					
2800.	2.770	34.918	239.0	2.545					



Station 206

Station : 207 Campagne : CITHER1
 Date : 11-03-93 Navire : L'ATALANTE
 Profondeur: 4263 m Organisme : IFREMER
 Position : N 3 30.01
 W 3 49.82

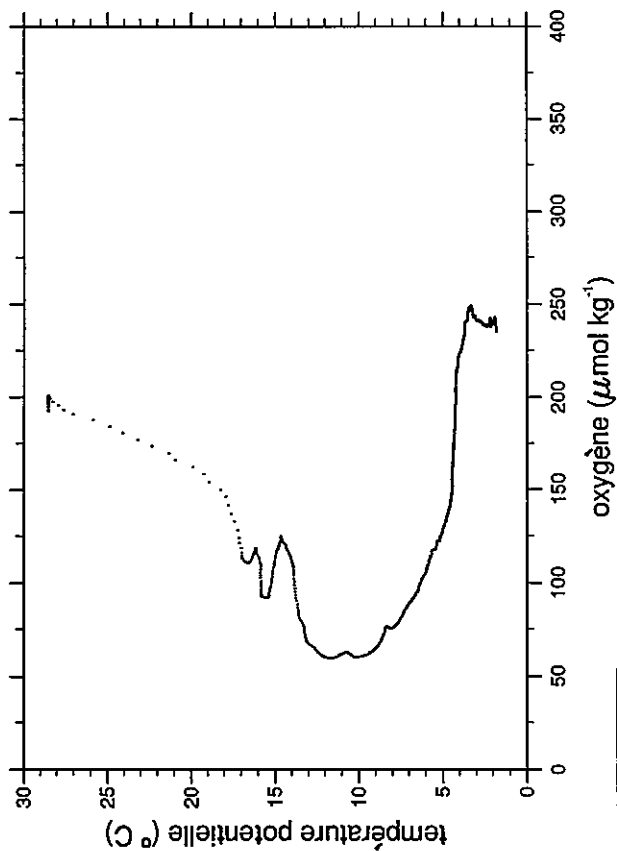
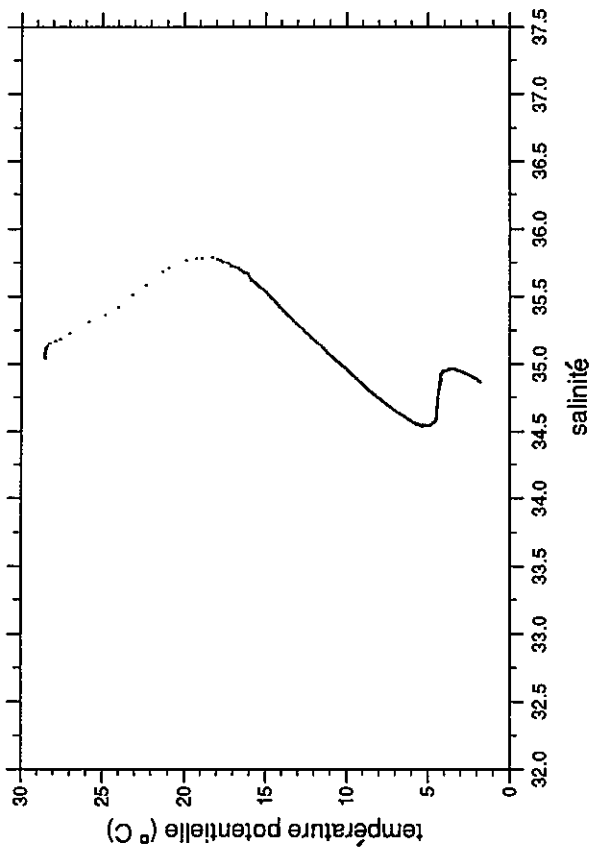
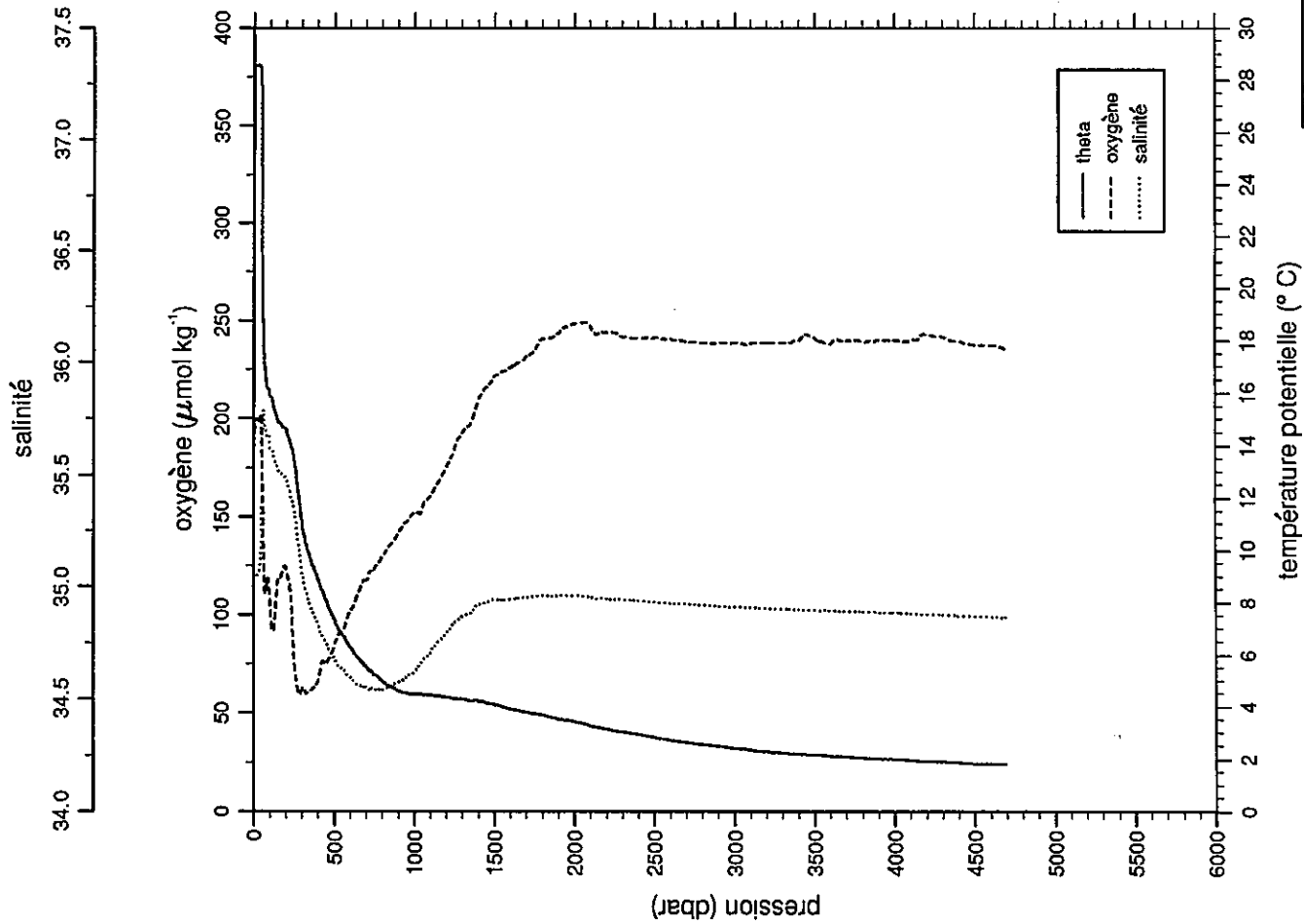
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.529	34.840	197.5	28.529	2850.	2.724	34.916	238.9	2.494
2.	28.465	34.731	195.8	28.464	2900.	2.705	34.916	239.0	2.471
3.	28.446	34.729	196.3	28.445	2950.	2.689	34.914	239.4	2.450
4.	28.419	34.733	196.8	28.418	3000.	2.676	34.913	239.3	2.433
5.	28.412	34.758	197.3	28.411	3050.	2.653	34.911	239.0	2.405
10.	28.650	34.938	198.9	28.647	3100.	2.632	34.910	239.0	2.379
20.	28.669	34.993	201.3	28.664	3150.	2.609	34.909	238.7	2.351
30.	28.625	35.066	205.1	28.618	3200.	2.590	34.907	238.5	2.327
40.	24.021	35.509	204.6	24.013	3250.	2.567	34.906	238.8	2.300
50.	19.719	35.756	167.4	19.710	3300.	2.540	34.904	238.5	2.268
100.	16.206	35.651	98.2	16.190	3350.	2.527	34.902	238.6	2.250
150.	15.543	35.596	124.7	15.520	3400.	2.512	34.902	238.7	2.230
200.	14.526	35.468	106.5	14.496	3450.	2.497	34.901	238.6	2.210
250.	13.444	35.334	71.7	13.409	3500.	2.484	34.899	238.6	2.192
300.	11.411	35.104	61.3	11.373	3550.	2.476	34.898	238.9	2.179
350.	9.742	34.922	59.9	9.702	3600.	2.451	34.896	239.0	2.149
400.	8.920	34.833	67.1	8.877	3650.	2.428	34.894	238.3	2.121
450.	8.073	34.745	80.3	8.026	3700.	2.411	34.893	238.9	2.099
500.	7.318	34.674	93.0	7.269	3750.	2.395	34.891	239.5	2.078
550.	6.752	34.628	96.8	6.701	3800.	2.376	34.890	239.8	2.054
600.	6.258	34.590	105.3	6.204	3850.	2.361	34.888	241.3	2.033
650.	5.811	34.565	111.3	5.755	3900.	2.355	34.887	241.8	2.022
700.	5.488	34.551	120.2	5.429	3950.	2.342	34.885	241.3	2.004
750.	5.157	34.539	129.4	5.095	4000.	2.334	34.885	240.9	1.990
800.	5.094	34.559	128.9	5.028	4050.	2.322	34.883	240.3	1.973
850.	4.776	34.563	135.4	4.707	4100.	2.307	34.881	240.1	1.953
900.	4.650	34.583	142.5	4.578	4150.	2.300	34.880	239.0	1.940
950.	4.554	34.608	148.7	4.479	4200.	2.297	34.879	238.3	1.931
1000.	4.535	34.637	153.8	4.455	4250.	2.281	34.877	238.7	1.910
1050.	4.505	34.673	154.8	4.421	4288.	2.258	34.875	234.3	1.883
1100.	4.462	34.725	161.2	4.374					
1150.	4.485	34.771	169.1	4.392					
1200.	4.430	34.796	175.8	4.333					
1250.	4.408	34.822	182.0	4.306					
1300.	4.383	34.856	189.0	4.277					
1350.	4.300	34.886	198.5	4.191					
1400.	4.245	34.907	206.7	4.131					
1450.	4.244	34.934	215.1	4.126					
1500.	4.173	34.942	222.2	4.051					
1550.	4.102	34.941	222.6	3.976					
1600.	4.036	34.943	224.6	3.906					
1650.	3.978	34.948	226.9	3.844					
1700.	3.894	34.951	229.0	3.757					
1750.	3.816	34.955	233.4	3.675					
1800.	3.750	34.956	235.6	3.605					
1850.	3.687	34.957	237.1	3.539					
1900.	3.626	34.957	238.5	3.474					
1950.	3.548	34.955	239.6	3.391					
2000.	3.495	34.954	240.5	3.335					
2050.	3.455	34.952	240.4	3.290					
2100.	3.396	34.950	240.6	3.228					
2150.	3.343	34.949	240.9	3.171					
2200.	3.310	34.947	241.2	3.134					
2250.	3.264	34.945	241.3	3.084					
2300.	3.214	34.943	241.3	3.030					
2350.	3.171	34.941	241.2	2.982					
2400.	3.116	34.939	240.9	2.924					
2450.	3.062	34.936	241.0	2.866					
2500.	3.015	34.934	240.6	2.815					
2550.	2.945	34.930	240.2	2.741					
2600.	2.888	34.927	239.5	2.680					
2650.	2.847	34.924	239.2	2.635					
2700.	2.808	34.922	239.0	2.592					
2750.	2.789	34.921	239.0	2.569					
2800.	2.746	34.918	238.8	2.521					



Station 207

Station : 208	Campagne : CITHER1
Date : 11-03-93	Navire : L'ATALANTE
Profondeur: 4664 m	Organisme : IFREMER
Position : N 3 0.05	
W 3 49.99	

PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.531	35.041	197.2	28.530	2850.	2.742	34.917	238.4	2.513
2.	28.516	35.041	192.6	28.516	2900.	2.715	34.915	238.5	2.481
3.	28.525	35.041	193.7	28.525	2950.	2.687	34.914	238.4	2.448
4.	28.531	35.040	195.0	28.530	3000.	2.651	34.911	238.7	2.408
5.	28.533	35.040	196.1	28.532	3050.	2.629	34.910	238.1	2.381
10.	28.533	35.041	198.2	28.530	3100.	2.601	34.908	238.2	2.349
20.	28.553	35.051	199.9	28.548	3150.	2.567	34.906	238.5	2.310
30.	28.574	35.069	198.8	28.567	3200.	2.540	34.904	238.6	2.279
40.	28.506	35.110	201.1	28.497	3250.	2.525	34.903	238.7	2.258
50.	23.198	35.511	177.1	23.187	3300.	2.508	34.902	238.7	2.237
100.	15.877	35.617	107.0	15.861	3350.	2.489	34.900	238.6	2.213
150.	14.925	35.524	117.4	14.902	3400.	2.472	34.899	239.7	2.191
200.	14.622	35.485	123.7	14.592	3450.	2.456	34.897	242.6	2.170
250.	13.473	35.339	79.6	13.437	3500.	2.449	34.897	240.9	2.158
300.	11.016	35.063	62.1	10.979	3550.	2.447	34.896	239.2	2.151
350.	9.745	34.922	60.9	9.705	3600.	2.426	34.894	238.0	2.124
400.	8.922	34.831	66.0	8.878	3650.	2.409	34.893	240.1	2.102
450.	8.123	34.751	75.1	8.076	3700.	2.399	34.892	239.5	2.087
500.	7.398	34.682	83.7	7.349	3750.	2.386	34.890	239.7	2.069
550.	6.819	34.633	91.9	6.767	3800.	2.376	34.889	239.0	2.054
600.	6.337	34.595	101.6	6.282	3850.	2.368	34.888	239.3	2.040
650.	5.917	34.564	111.0	5.859	3900.	2.357	34.887	240.0	2.024
700.	5.606	34.551	117.3	5.546	3950.	2.354	34.886	239.8	2.015
750.	5.251	34.539	123.0	5.188	4000.	2.340	34.885	239.9	1.997
800.	5.039	34.541	129.6	4.973	4050.	2.331	34.883	239.3	1.982
850.	4.829	34.552	135.7	4.760	4100.	2.309	34.881	239.8	1.955
900.	4.665	34.570	141.7	4.593	4150.	2.286	34.878	240.6	1.927
950.	4.580	34.596	147.0	4.504	4200.	2.283	34.877	242.5	1.917
1000.	4.536	34.619	151.9	4.456	4250.	2.278	34.877	241.9	1.907
1050.	4.537	34.668	154.3	4.452	4300.	2.267	34.875	241.6	1.890
1100.	4.513	34.703	160.3	4.424	4350.	2.255	34.873	239.7	1.873
1150.	4.485	34.754	167.6	4.392	4400.	2.249	34.872	239.3	1.861
1200.	4.436	34.795	175.2	4.338	4450.	2.240	34.871	238.0	1.847
1250.	4.387	34.839	184.5	4.285	4500.	2.224	34.868	237.5	1.826
1300.	4.383	34.868	192.9	4.277	4550.	2.225	34.868	237.4	1.820
1350.	4.312	34.881	197.3	4.202	4600.	2.221	34.867	237.3	1.810
1400.	4.316	34.918	209.6	4.201	4650.	2.199	34.864	236.7	1.783
1450.	4.245	34.930	215.8	4.126	4692.	2.205	34.865	235.1	1.784
1500.	4.201	34.942	222.0	4.079					
1550.	4.113	34.944	224.0	3.987					
1600.	4.029	34.948	225.8	3.899					
1650.	3.966	34.950	228.1	3.833					
1700.	3.906	34.954	231.7	3.769					
1750.	3.846	34.957	234.8	3.705					
1800.	3.802	34.961	240.4	3.657					
1850.	3.727	34.961	241.0	3.577					
1900.	3.654	34.960	243.4	3.501					
1950.	3.612	34.962	246.9	3.455					
2000.	3.575	34.962	248.4	3.414					
2050.	3.507	34.960	249.0	3.342					
2100.	3.423	34.953	246.8	3.255					
2150.	3.370	34.951	243.3	3.197					
2200.	3.322	34.949	243.8	3.146					
2250.	3.261	34.945	243.6	3.081					
2300.	3.219	34.943	241.6	3.035					
2350.	3.177	34.941	241.0	2.988					
2400.	3.128	34.939	240.8	2.935					
2450.	3.077	34.937	241.1	2.880					
2500.	3.018	34.934	241.0	2.818					
2550.	2.965	34.931	240.5	2.761					
2600.	2.916	34.928	240.6	2.708					
2650.	2.866	34.925	239.7	2.654					
2700.	2.832	34.923	239.1	2.616					
2750.	2.797	34.921	238.8	2.576					
2800.	2.771	34.919	238.7	2.545					



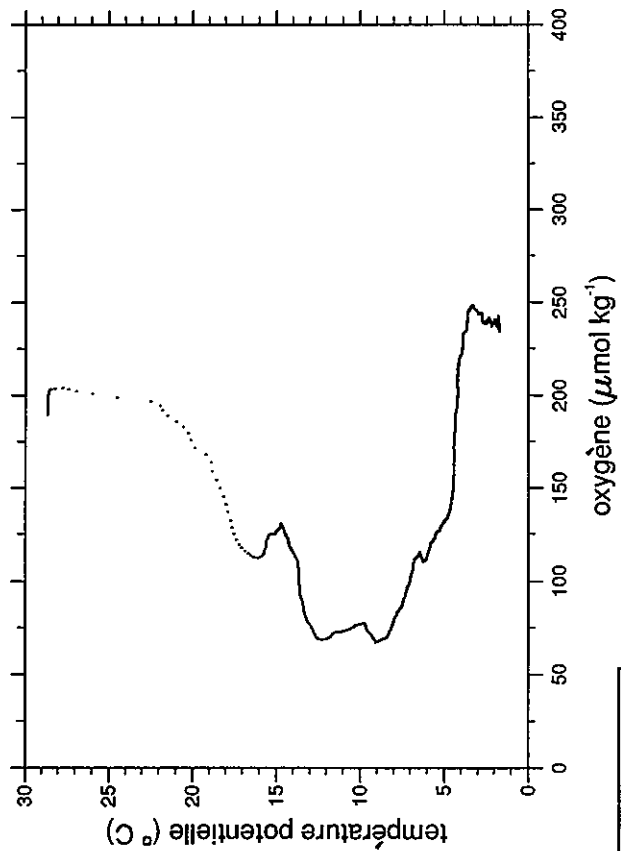
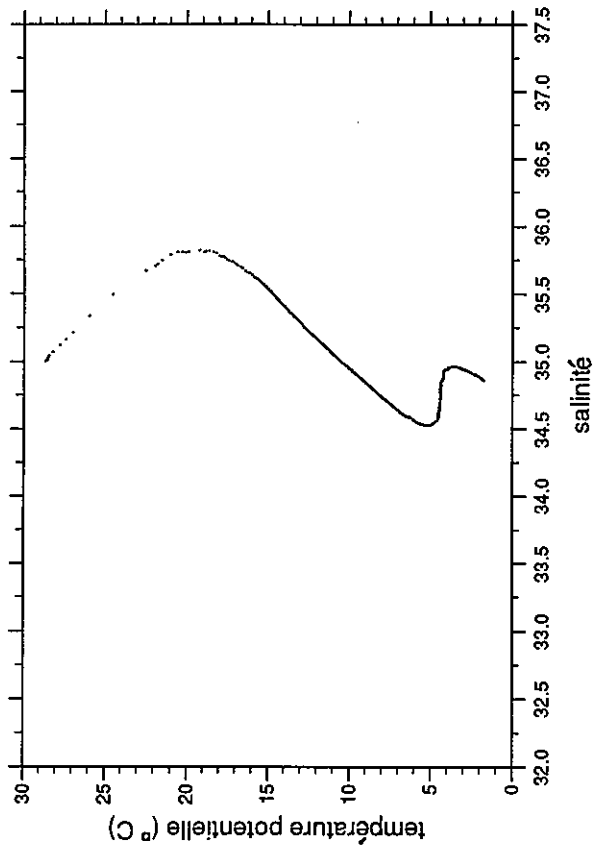
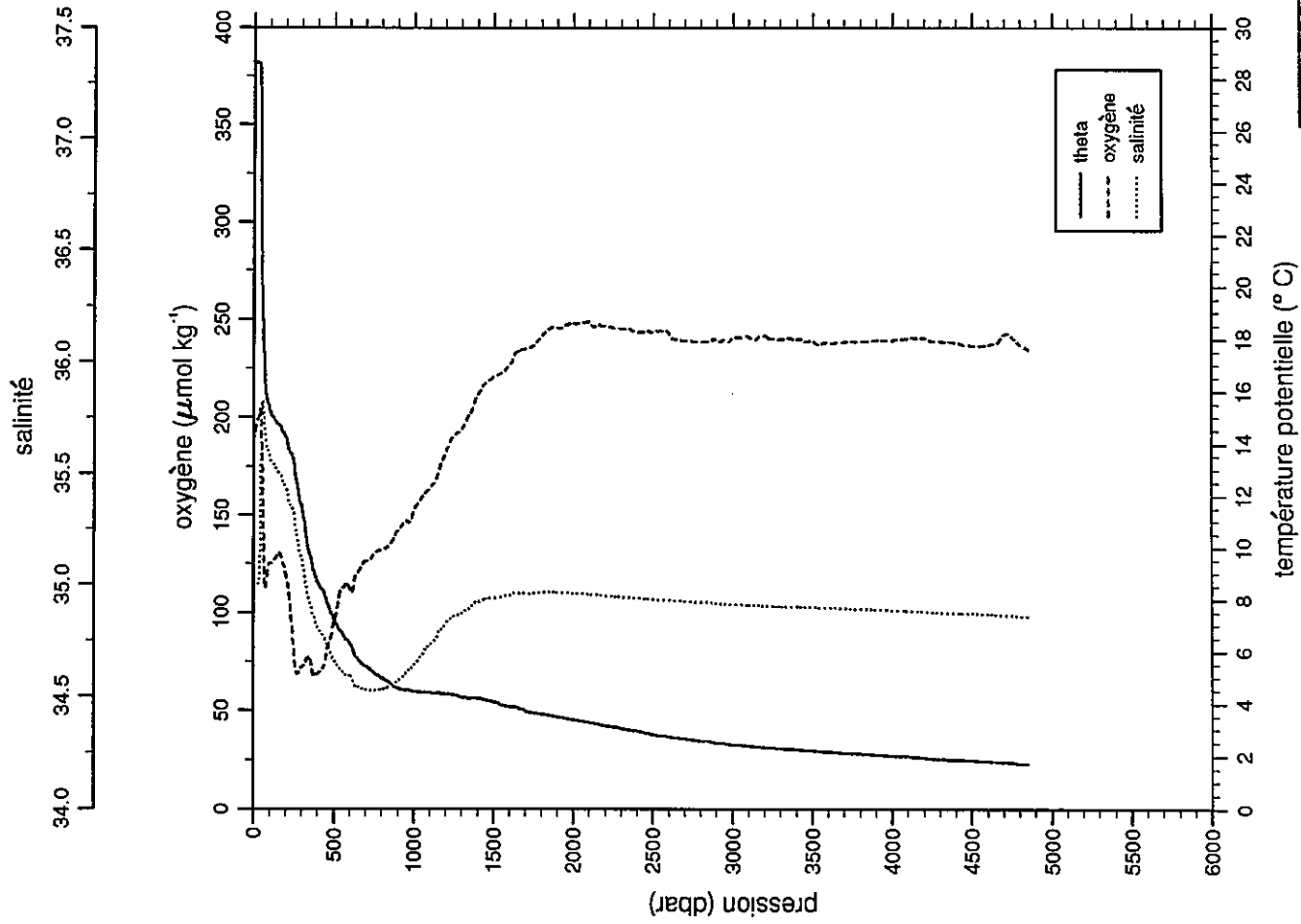
Station 208

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| Station   : 209           Campagne  : CITHER1
| Date      : 12-03-93    Navire    : L'ATALANTE
| Profondeur: 4828 m      Organisme : IFREMER
| Position  : N    2 30.01
|           : W    3 49.98
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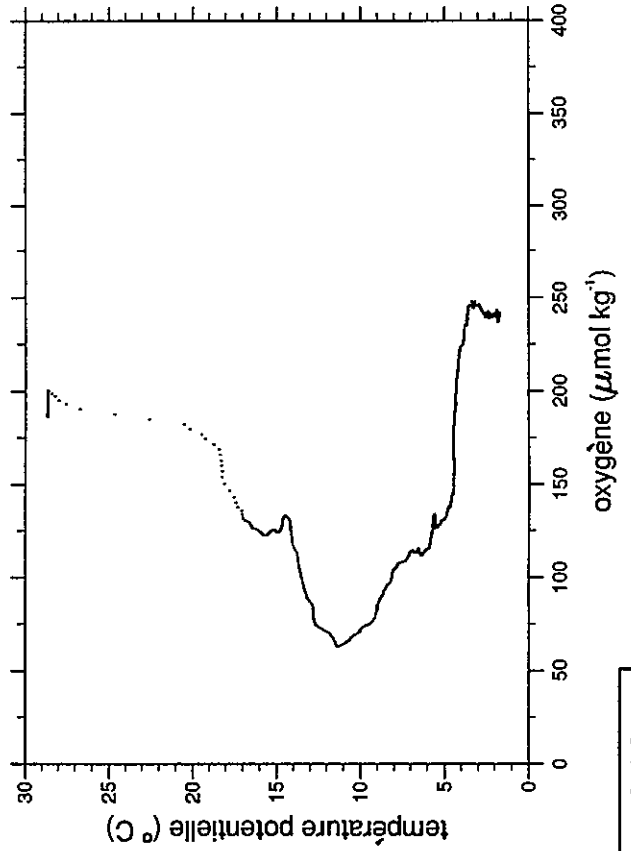
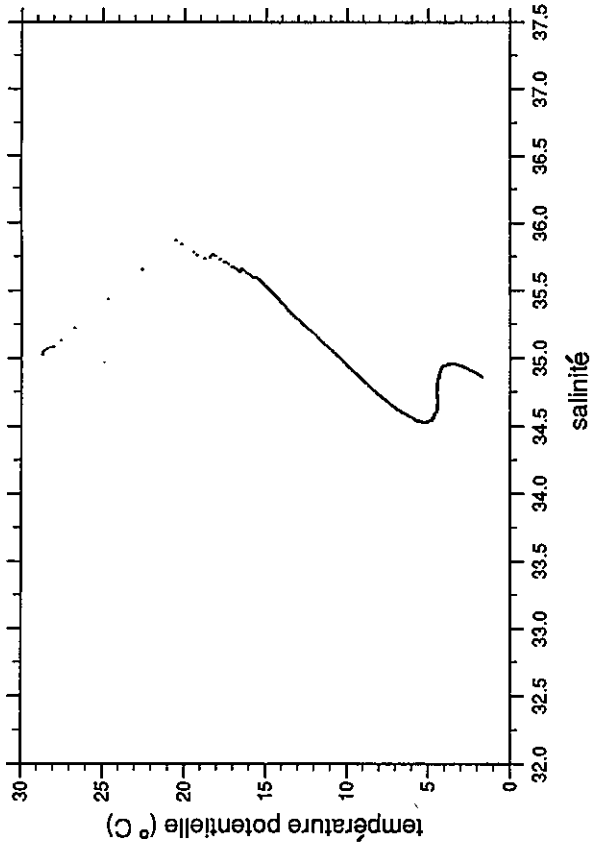
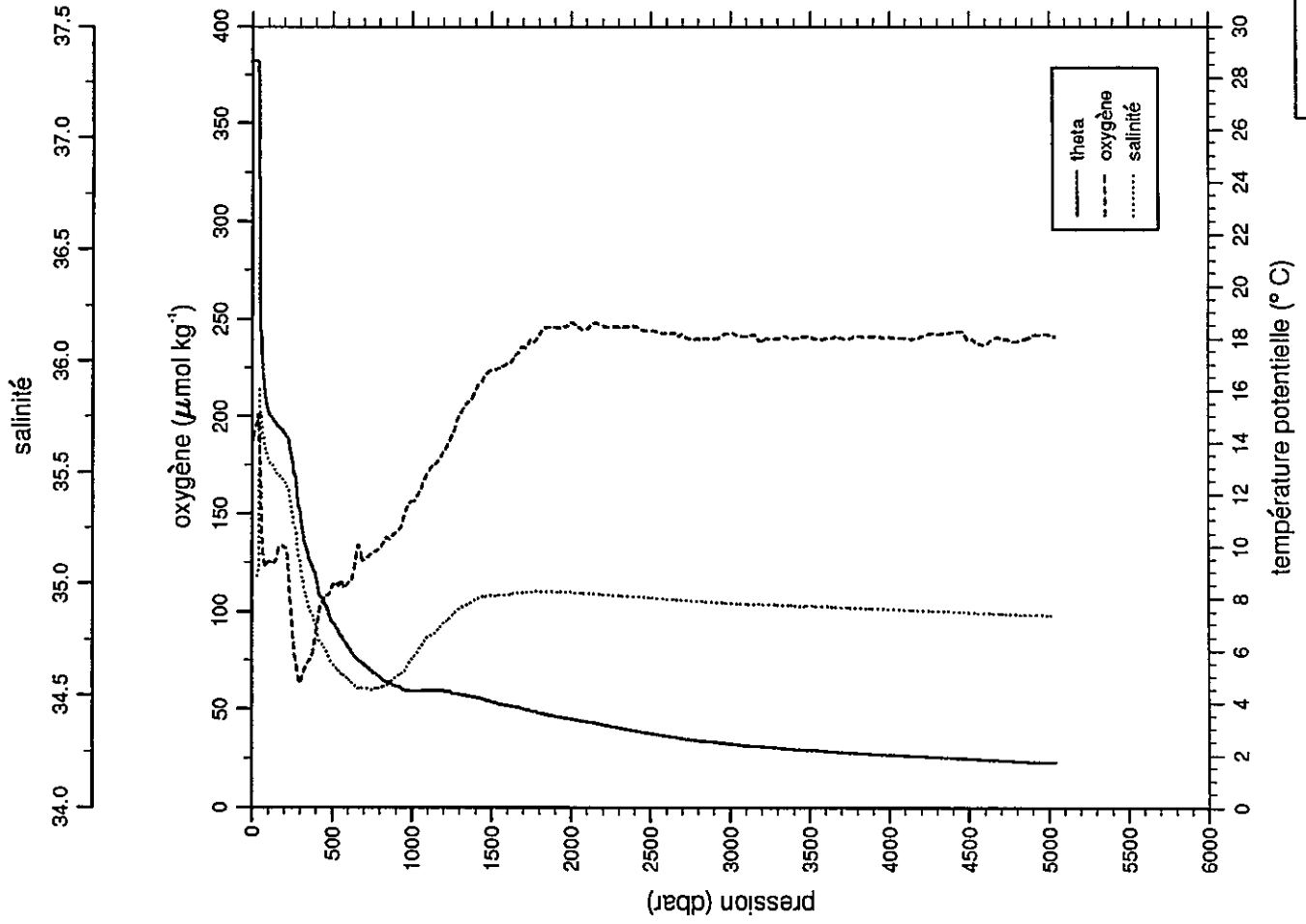
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.661	35.002	192.1	28.661	2850.	2.792	34.921	238.4	2.561
2.	28.656	35.003	189.7	28.655	2900.	2.735	34.916	238.9	2.500
3.	28.658	35.002	190.8	28.657	2950.	2.710	34.915	239.5	2.471
4.	28.661	35.002	191.2	28.660	3000.	2.672	34.912	240.7	2.429
5.	28.662	35.001	191.7	28.661	3050.	2.655	34.911	240.9	2.406
10.	28.663	35.002	194.0	28.661	3100.	2.630	34.909	241.3	2.377
20.	28.659	35.000	197.8	28.655	3150.	2.602	34.907	240.1	2.344
30.	28.636	35.003	200.4	28.629	3200.	2.581	34.906	241.7	2.319
40.	27.784	35.122	203.9	27.774	3250.	2.564	34.904	240.3	2.297
50.	20.542	35.811	182.9	20.533	3300.	2.551	34.903	240.0	2.279
100.	15.270	35.568	125.0	15.255	3350.	2.534	34.903	240.4	2.257
150.	14.770	35.507	130.0	14.747	3400.	2.520	34.902	239.6	2.238
200.	14.274	35.436	119.5	14.244	3450.	2.504	34.900	238.6	2.217
250.	13.342	35.320	82.4	13.307	3500.	2.492	34.899	239.2	2.199
300.	11.598	35.120	72.1	11.559	3550.	2.473	34.898	237.3	2.175
350.	9.766	34.917	77.2	9.726	3600.	2.457	34.896	237.9	2.155
400.	8.720	34.810	68.7	8.677	3650.	2.439	34.895	238.2	2.132
450.	8.118	34.745	76.7	8.071	3700.	2.427	34.894	238.4	2.115
500.	7.304	34.664	94.5	7.255	3750.	2.412	34.892	238.7	2.095
550.	6.794	34.614	112.0	6.742	3800.	2.401	34.891	238.9	2.078
600.	6.367	34.587	112.0	6.312	3850.	2.388	34.890	239.1	2.060
650.	5.791	34.545	120.6	5.735	3900.	2.379	34.889	239.4	2.046
700.	5.486	34.529	126.3	5.427	3950.	2.369	34.888	239.2	2.030
750.	5.256	34.524	129.3	5.193	4000.	2.354	34.886	239.3	2.010
800.	5.043	34.527	132.7	4.977	4050.	2.341	34.884	239.9	1.992
850.	4.865	34.546	134.5	4.796	4100.	2.336	34.883	240.4	1.981
900.	4.669	34.566	141.7	4.597	4150.	2.327	34.882	240.5	1.967
950.	4.599	34.603	147.2	4.523	4200.	2.307	34.880	240.5	1.942
1000.	4.548	34.637	151.8	4.468	4250.	2.281	34.877	238.8	1.910
1050.	4.514	34.679	158.9	4.430	4300.	2.266	34.875	238.8	1.890
1100.	4.508	34.726	164.2	4.419	4350.	2.260	34.873	238.8	1.878
1150.	4.512	34.775	170.5	4.418	4400.	2.258	34.873	238.1	1.870
1200.	4.457	34.824	181.9	4.360	4450.	2.251	34.872	237.0	1.857
1250.	4.430	34.854	190.1	4.328	4500.	2.238	34.870	236.7	1.839
1300.	4.349	34.870	193.7	4.243	4550.	2.234	34.869	236.2	1.829
1350.	4.289	34.894	201.2	4.180	4600.	2.221	34.867	236.5	1.811
1400.	4.321	34.923	211.5	4.207	4650.	2.212	34.865	237.7	1.795
1450.	4.266	34.934	217.5	4.147	4700.	2.200	34.864	242.3	1.778
1500.	4.190	34.939	220.5	4.068	4750.	2.194	34.863	241.2	1.766
1550.	4.083	34.942	222.6	3.958	4800.	2.162	34.858	237.1	1.729
1600.	4.008	34.950	226.7	3.879	4850.	2.168	34.858	234.8	1.728
1650.	3.978	34.959	233.4	3.844	4853.	2.168	34.858	234.4	1.728
1700.	3.860	34.958	234.7	3.723					
1750.	3.791	34.958	236.5	3.650					
1800.	3.756	34.963	241.1	3.611					
1850.	3.717	34.965	245.1	3.568					
1900.	3.640	34.962	245.9	3.488					
1950.	3.606	34.962	246.9	3.449					
2000.	3.539	34.960	248.0	3.378					
2050.	3.490	34.959	248.0	3.325					
2100.	3.455	34.957	248.6	3.286					
2150.	3.374	34.953	247.2	3.202					
2200.	3.321	34.949	246.5	3.145					
2250.	3.279	34.947	245.7	3.098					
2300.	3.232	34.944	245.1	3.047					
2350.	3.181	34.941	245.2	2.993					
2400.	3.147	34.940	243.7	2.954					
2450.	3.087	34.938	243.9	2.891					
2500.	3.023	34.934	243.4	2.823					
2550.	2.988	34.932	244.0	2.783					
2600.	2.951	34.931	242.4	2.742					
2650.	2.906	34.927	239.7	2.693					
2700.	2.875	34.926	239.1	2.658					
2750.	2.835	34.923	238.7	2.614					
2800.	2.803	34.921	238.5	2.577					



Station 209

Station : 210	Campagne : CITHER1
Date : 12-03-93	Navire : L'ATALANTE
Profondeur: 5018 m	Organisme : IFREMER
Position : N 2 0.29	
W 3 50.01	

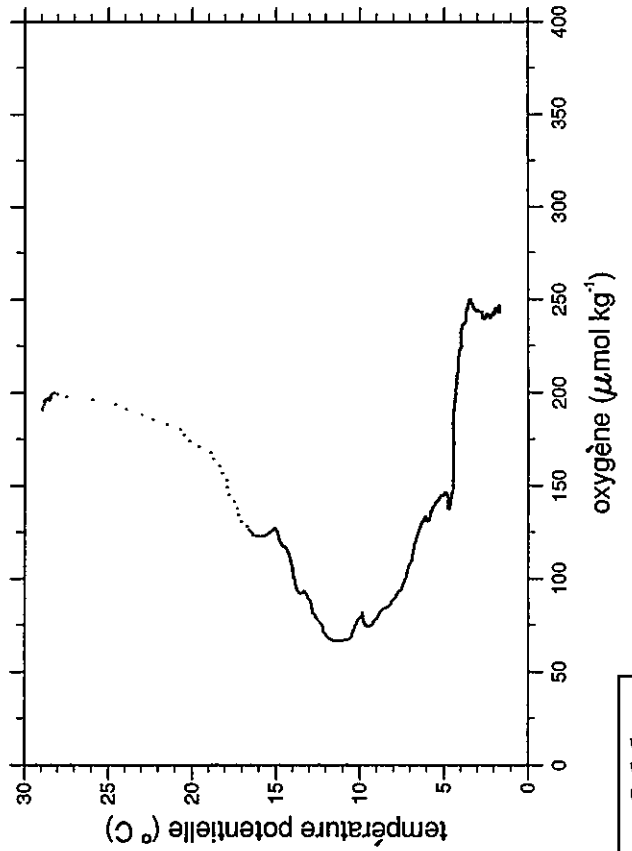
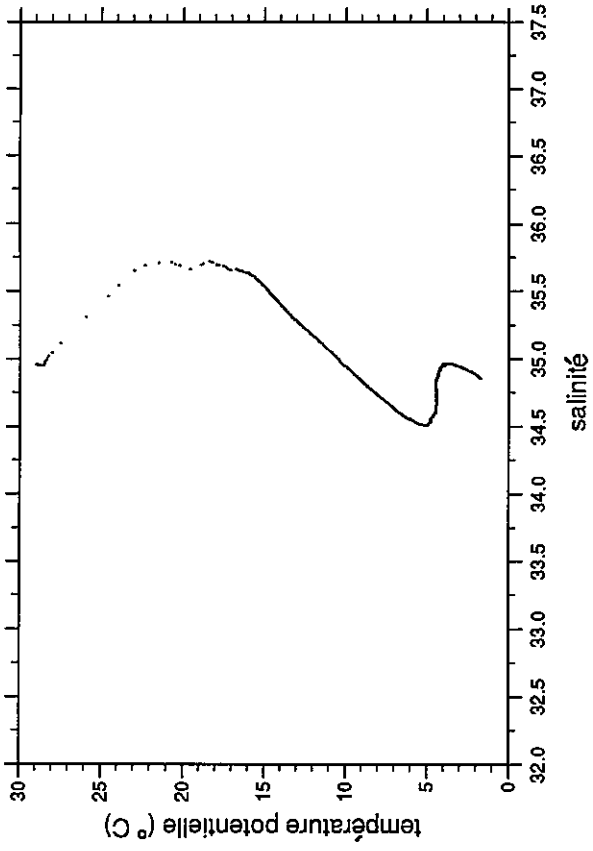
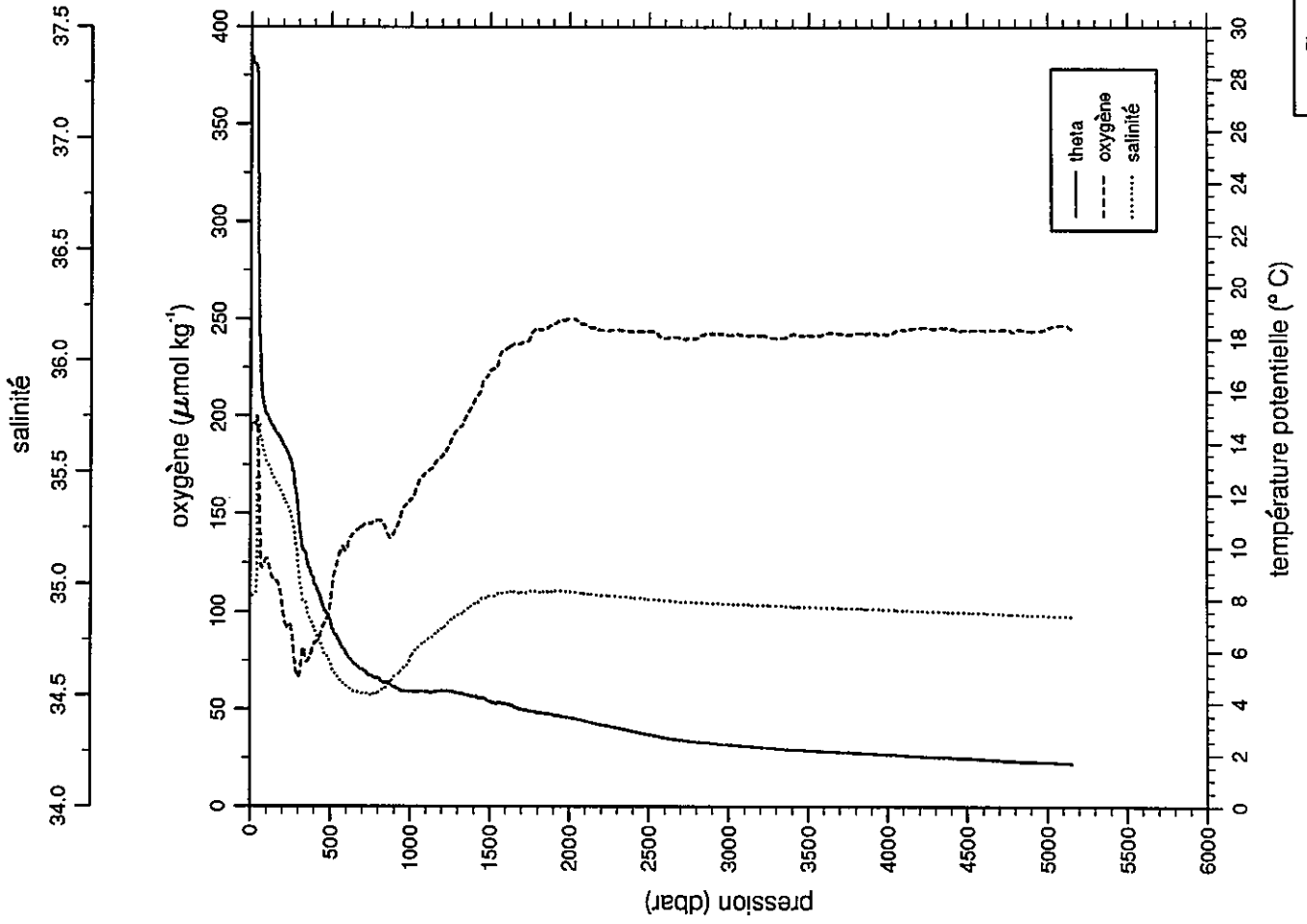
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.667	35.026	187.9	28.666	2850.	2.740	34.917	240.0	2.511
2.	28.667	35.026	186.8	28.666	2900.	2.723	34.916	239.8	2.489
3.	28.663	35.026	186.5	28.662	2950.	2.696	34.913	241.6	2.457
4.	28.664	35.026	187.6	28.663	3000.	2.665	34.912	242.6	2.422
5.	28.666	35.027	187.9	28.665	3050.	2.636	34.909	241.6	2.388
10.	28.667	35.026	190.2	28.665	3100.	2.606	34.907	241.3	2.353
20.	28.670	35.027	194.1	28.665	3150.	2.587	34.905	242.0	2.329
30.	28.660	35.033	196.8	28.653	3200.	2.586	34.906	238.9	2.323
40.	28.223	35.076	197.3	28.213	3250.	2.568	34.905	239.8	2.300
50.	18.749	35.736	171.8	18.740	3300.	2.540	34.903	240.0	2.268
100.	15.208	35.559	125.4	15.193	3350.	2.518	34.902	241.1	2.241
150.	14.716	35.498	127.3	14.694	3400.	2.502	34.900	240.0	2.220
200.	14.387	35.455	132.8	14.357	3450.	2.487	34.899	240.6	2.200
250.	13.354	35.317	92.9	13.319	3500.	2.480	34.899	241.1	2.188
300.	11.319	35.095	63.1	11.281	3550.	2.470	34.898	239.7	2.173
350.	9.709	34.912	74.1	9.669	3600.	2.452	34.896	240.0	2.150
400.	8.811	34.808	89.6	8.768	3650.	2.437	34.896	240.5	2.130
450.	7.866	34.708	106.6	7.821	3700.	2.426	34.894	240.2	2.114
500.	7.127	34.637	112.6	7.079	3750.	2.408	34.892	240.0	2.090
550.	6.634	34.597	115.1	6.583	3800.	2.391	34.891	241.2	2.069
600.	6.195	34.570	114.4	6.141	3850.	2.386	34.890	240.8	2.058
650.	5.753	34.532	128.1	5.696	3900.	2.376	34.888	240.9	2.042
700.	5.517	34.530	126.6	5.458	3950.	2.362	34.887	240.6	2.023
750.	5.267	34.526	130.2	5.204	4000.	2.355	34.886	240.7	2.011
800.	5.031	34.533	132.2	4.965	4050.	2.344	34.884	240.4	1.995
850.	4.850	34.549	137.9	4.781	4100.	2.330	34.883	240.2	1.975
900.	4.696	34.579	140.5	4.624	4150.	2.317	34.881	239.8	1.957
950.	4.556	34.604	148.3	4.481	4200.	2.307	34.880	240.9	1.942
1000.	4.522	34.656	156.2	4.442	4250.	2.298	34.879	242.3	1.927
1050.	4.525	34.706	161.5	4.441	4300.	2.290	34.878	242.2	1.913
1100.	4.557	34.759	171.0	4.468	4350.	2.281	34.876	242.4	1.898
1150.	4.546	34.779	175.5	4.452	4400.	2.264	34.874	243.3	1.876
1200.	4.538	34.819	182.1	4.440	4450.	2.258	34.873	243.4	1.864
1250.	4.462	34.848	189.8	4.360	4500.	2.249	34.871	239.1	1.849
1300.	4.417	34.888	200.6	4.311	4550.	2.241	34.870	237.5	1.836
1350.	4.357	34.906	207.0	4.247	4600.	2.225	34.868	236.7	1.814
1400.	4.313	34.927	213.3	4.198	4650.	2.213	34.867	239.7	1.796
1450.	4.252	34.940	219.9	4.133	4700.	2.204	34.865	239.7	1.782
1500.	4.159	34.943	223.7	4.037	4750.	2.196	34.864	239.2	1.768
1550.	4.061	34.945	224.7	3.936	4800.	2.186	34.862	238.3	1.752
1600.	4.002	34.947	226.9	3.873	4850.	2.180	34.860	239.5	1.740
1650.	3.959	34.955	231.1	3.826	4900.	2.175	34.860	241.3	1.729
1700.	3.877	34.956	235.2	3.740	4950.	2.177	34.859	242.1	1.725
1750.	3.812	34.959	239.1	3.671	5000.	2.177	34.859	241.9	1.719
1800.	3.740	34.962	242.1	3.596	5041.	2.182	34.857	240.7	1.718
1850.	3.680	34.963	245.7	3.531					
1900.	3.624	34.961	245.8	3.472					
1950.	3.572	34.960	246.0	3.416					
2000.	3.540	34.960	247.8	3.379					
2050.	3.486	34.956	245.5	3.322					
2100.	3.422	34.953	244.8	3.254					
2150.	3.393	34.954	247.8	3.220					
2200.	3.331	34.949	246.4	3.154					
2250.	3.279	34.947	245.9	3.099					
2300.	3.218	34.944	245.8	3.034					
2350.	3.169	34.942	246.0	2.980					
2400.	3.125	34.940	246.0	2.932					
2450.	3.067	34.937	244.3	2.871					
2500.	3.025	34.934	244.1	2.825					
2550.	2.975	34.931	243.2	2.770					
2600.	2.930	34.929	242.6	2.722					
2650.	2.894	34.927	242.7	2.681					
2700.	2.838	34.923	241.9	2.621					
2750.	2.798	34.921	239.6	2.578					
2800.	2.767	34.919	239.7	2.542					



Station 210

Station : 211 Campagne : CITHER1
 Date : 12-03-93 Navire : L'ATALANTE
 Profondeur: 5129 m Organisme : IPREMER
 Position : N 1 30.04
 W 3 49.99

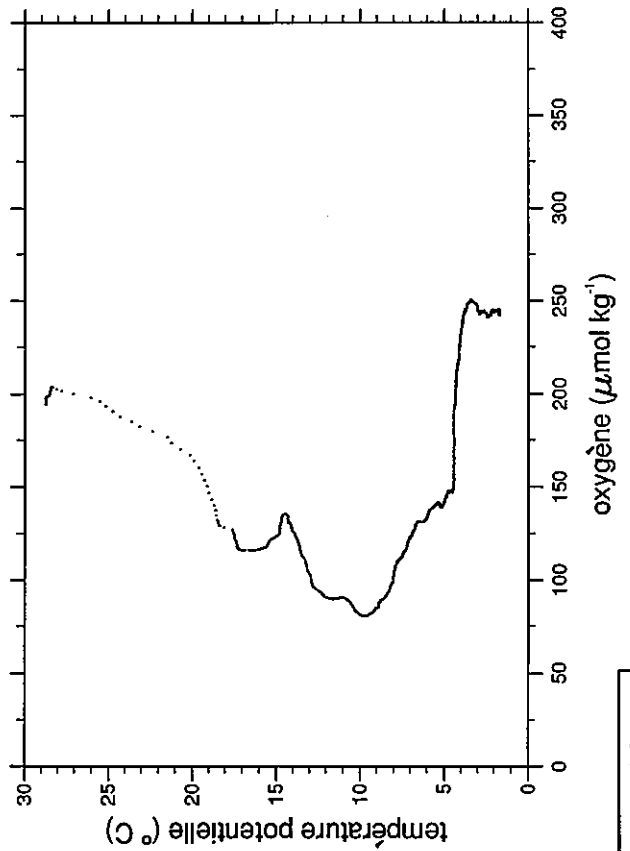
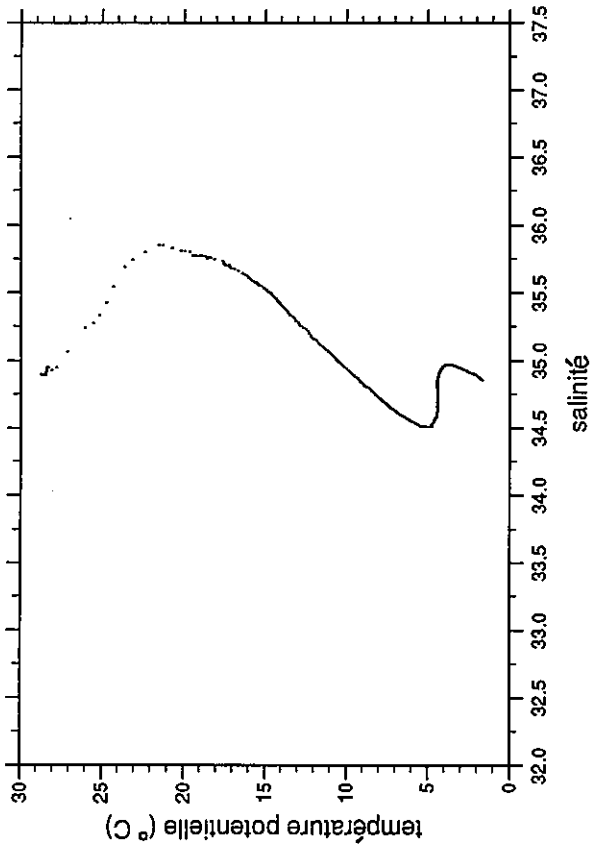
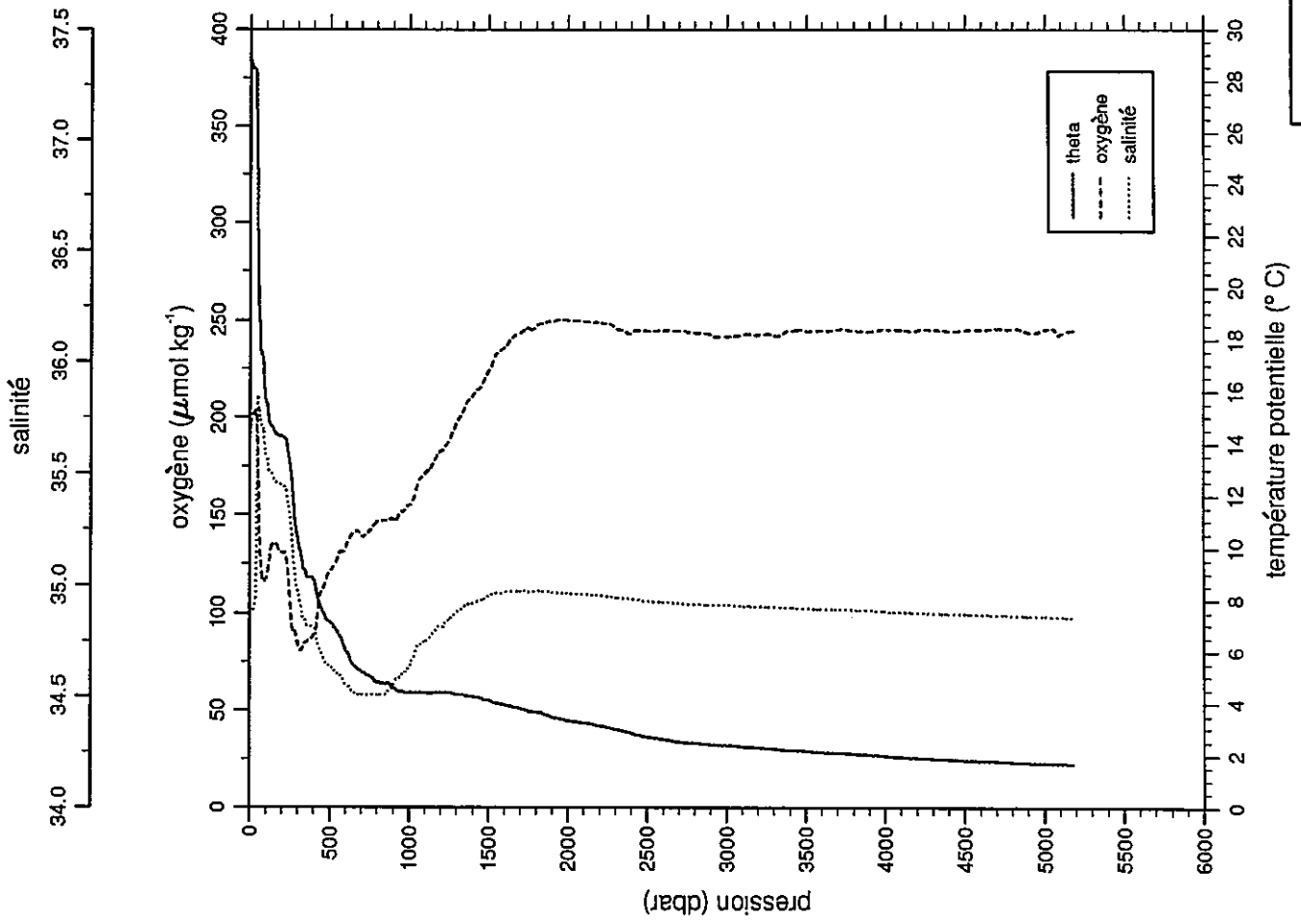
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.824	34.955	195.4	28.823	2850.	2.705	34.915	241.9	2.476
2.	28.950	34.957	190.7	28.950	2900.	2.688	34.914	242.2	2.454
3.	28.914	34.956	192.1	28.913	2950.	2.655	34.911	242.2	2.417
4.	28.846	34.954	193.7	28.846	3000.	2.637	34.911	241.6	2.394
5.	28.803	34.956	194.6	28.802	3050.	2.622	34.909	242.0	2.375
10.	28.796	34.954	196.0	28.793	3100.	2.591	34.907	241.4	2.339
20.	28.589	34.949	196.7	28.584	3150.	2.577	34.906	241.5	2.320
30.	28.565	34.952	195.8	28.558	3200.	2.552	34.905	241.2	2.291
40.	28.249	35.020	199.8	28.239	3250.	2.535	34.904	240.4	2.269
50.	20.471	35.700	177.3	20.462	3300.	2.516	34.903	239.8	2.245
100.	15.095	35.546	127.1	15.079	3350.	2.494	34.901	240.2	2.218
150.	14.497	35.466	117.0	14.475	3400.	2.474	34.899	241.9	2.193
200.	14.019	35.399	103.1	13.990	3450.	2.461	34.898	241.4	2.175
250.	13.342	35.314	93.0	13.306	3500.	2.448	34.897	241.5	2.157
300.	11.178	35.076	66.4	11.140	3550.	2.437	34.897	241.3	2.141
350.	9.679	34.909	74.7	9.639	3600.	2.422	34.895	242.0	2.121
400.	8.661	34.794	83.7	8.619	3650.	2.416	34.894	242.8	2.109
450.	7.859	34.713	91.3	7.814	3700.	2.405	34.892	242.2	2.093
500.	7.208	34.650	104.2	7.159	3750.	2.399	34.891	241.7	2.082
550.	6.484	34.581	127.1	6.434	3800.	2.385	34.891	242.4	2.062
600.	5.953	34.545	131.2	5.900	3850.	2.374	34.890	241.9	2.046
650.	5.571	34.519	140.4	5.515	3900.	2.366	34.888	242.6	2.033
700.	5.339	34.508	143.3	5.280	3950.	2.354	34.887	241.7	2.016
750.	5.085	34.502	144.5	5.024	4000.	2.345	34.886	241.8	2.001
800.	5.004	34.515	146.5	4.938	4050.	2.328	34.884	243.6	1.979
850.	4.829	34.539	141.7	4.760	4100.	2.324	34.883	244.2	1.969
900.	4.701	34.579	140.3	4.628	4150.	2.304	34.880	244.8	1.944
950.	4.534	34.611	151.1	4.458	4200.	2.300	34.879	245.5	1.934
1000.	4.519	34.660	156.4	4.439	4250.	2.290	34.878	245.1	1.918
1050.	4.513	34.712	165.3	4.429	4300.	2.281	34.876	244.8	1.904
1100.	4.522	34.744	170.6	4.433	4350.	2.278	34.876	245.4	1.896
1150.	4.509	34.771	174.7	4.416	4400.	2.269	34.875	244.7	1.881
1200.	4.554	34.799	179.2	4.456	4450.	2.263	34.873	243.7	1.869
1250.	4.540	34.833	186.2	4.438	4500.	2.259	34.873	244.0	1.859
1300.	4.489	34.860	193.3	4.382	4550.	2.253	34.872	244.2	1.848
1350.	4.392	34.879	199.5	4.281	4600.	2.239	34.870	243.9	1.828
1400.	4.358	34.910	206.6	4.243	4650.	2.228	34.868	244.2	1.811
1450.	4.281	34.933	215.4	4.162	4700.	2.214	34.867	244.1	1.791
1500.	4.178	34.944	222.7	4.055	4750.	2.202	34.865	244.4	1.774
1550.	4.110	34.955	226.4	3.984	4800.	2.192	34.863	243.7	1.758
1600.	4.077	34.962	233.8	3.946	4850.	2.188	34.862	244.1	1.748
1650.	3.986	34.963	236.8	3.852	4900.	2.183	34.861	243.5	1.737
1700.	3.900	34.962	237.3	3.763	4950.	2.183	34.861	243.8	1.731
1750.	3.825	34.965	239.8	3.684	5000.	2.177	34.859	245.1	1.718
1800.	3.770	34.965	244.9	3.625	5050.	2.175	34.857	246.1	1.710
1850.	3.739	34.965	245.0	3.590	5100.	2.174	34.856	246.6	1.703
1900.	3.686	34.966	246.9	3.533	5150.	2.152	34.854	244.9	1.676
1950.	3.641	34.966	249.1	3.484	5158.	2.135	34.851	243.0	1.658
2000.	3.598	34.964	249.9	3.437					
2050.	3.547	34.961	249.2	3.381					
2100.	3.465	34.957	247.1	3.296					
2150.	3.390	34.952	245.4	3.218					
2200.	3.315	34.949	243.9	3.139					
2250.	3.269	34.946	243.7	3.089					
2300.	3.207	34.943	244.4	3.023					
2350.	3.142	34.942	243.9	2.954					
2400.	3.084	34.939	243.2	2.892					
2450.	3.027	34.935	243.5	2.832					
2500.	2.976	34.932	243.4	2.777					
2550.	2.919	34.929	242.6	2.716					
2600.	2.868	34.926	239.9	2.661					
2650.	2.828	34.924	240.5	2.616					
2700.	2.784	34.920	239.7	2.568					
2750.	2.756	34.919	239.8	2.536					
2800.	2.732	34.917	239.9	2.508					



Station 211

Station : 212	Campagne : CITHER1
Date : 12-03-93	Navire : L'ATALANTE
Profondeur: 5158 m	Organisme : IFREMER
Position : N 0 59.92	
W 3 50.02	

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.669	34.891	198.0	28.669	2850.	2.682	34.913	242.9	2.454
2.	28.744	34.893	194.3	28.744	2900.	2.662	34.911	242.2	2.428
3.	28.743	34.893	195.1	28.742	2950.	2.649	34.910	241.1	2.411
4.	28.734	34.893	196.0	28.733	3000.	2.646	34.910	241.2	2.403
5.	28.738	34.894	196.9	28.737	3050.	2.627	34.909	241.7	2.379
10.	28.571	34.888	199.3	28.569	3100.	2.590	34.907	242.2	2.338
20.	28.488	34.891	201.6	28.483	3150.	2.580	34.906	242.2	2.323
30.	28.454	34.909	202.4	28.447	3200.	2.564	34.905	242.2	2.302
40.	27.125	35.064	200.4	27.115	3250.	2.541	34.903	242.5	2.274
50.	21.253	35.846	173.5	21.244	3300.	2.524	34.903	241.9	2.252
100.	15.665	35.580	117.5	15.649	3350.	2.500	34.901	242.7	2.224
150.	14.514	35.474	135.4	14.492	3400.	2.484	34.899	244.0	2.203
200.	14.296	35.445	130.8	14.266	3450.	2.469	34.898	244.8	2.183
250.	13.248	35.305	109.0	13.213	3500.	2.462	34.898	243.9	2.170
300.	10.377	34.977	84.3	10.341	3550.	2.440	34.896	244.1	2.144
350.	9.137	34.837	84.7	9.098	3600.	2.428	34.894	244.4	2.126
400.	8.817	34.804	88.6	8.774	3650.	2.415	34.893	244.3	2.108
450.	7.729	34.692	111.0	7.684	3700.	2.405	34.892	244.8	2.093
500.	7.178	34.635	121.2	7.129	3750.	2.396	34.891	245.0	2.079
550.	6.813	34.601	127.8	6.761	3800.	2.382	34.890	244.2	2.059
600.	6.120	34.552	132.9	6.067	3850.	2.370	34.889	244.0	2.042
650.	5.545	34.516	140.7	5.489	3900.	2.358	34.888	243.7	2.025
700.	5.300	34.508	139.3	5.241	3950.	2.343	34.886	244.5	2.005
750.	5.102	34.505	141.5	5.040	4000.	2.318	34.883	244.8	1.975
800.	4.876	34.504	146.4	4.812	4050.	2.298	34.881	244.7	1.950
850.	4.824	34.510	147.0	4.755	4100.	2.293	34.880	244.7	1.939
900.	4.685	34.551	147.7	4.613	4150.	2.280	34.879	244.2	1.921
950.	4.545	34.587	151.6	4.469	4200.	2.268	34.877	244.4	1.904
1000.	4.513	34.635	154.7	4.433	4250.	2.267	34.876	244.9	1.897
1050.	4.516	34.722	164.2	4.432	4300.	2.249	34.874	244.9	1.873
1100.	4.505	34.746	171.3	4.416	4350.	2.243	34.873	244.3	1.862
1150.	4.507	34.785	176.2	4.414	4400.	2.242	34.872	244.1	1.854
1200.	4.522	34.810	182.8	4.424	4450.	2.237	34.871	244.1	1.844
1250.	4.550	34.845	187.6	4.447	4500.	2.226	34.870	244.5	1.827
1300.	4.461	34.878	197.3	4.355	4550.	2.219	34.869	244.7	1.814
1350.	4.417	34.908	204.9	4.306	4600.	2.213	34.868	244.8	1.802
1400.	4.382	34.918	210.8	4.267	4650.	2.208	34.866	244.9	1.792
1450.	4.339	34.928	215.4	4.220	4700.	2.204	34.865	245.3	1.782
1500.	4.241	34.949	223.7	4.118	4750.	2.201	34.864	245.2	1.772
1550.	4.133	34.961	232.5	4.007	4800.	2.191	34.863	245.2	1.757
1600.	4.067	34.965	235.8	3.937	4850.	2.187	34.862	244.8	1.747
1650.	4.007	34.971	240.9	3.873	4900.	2.182	34.861	243.3	1.736
1700.	3.946	34.972	243.1	3.808	4950.	2.177	34.860	243.3	1.725
1750.	3.844	34.969	245.7	3.703	5000.	2.170	34.859	244.8	1.711
1800.	3.812	34.971	246.6	3.666	5050.	2.169	34.857	245.4	1.704
1850.	3.743	34.970	248.1	3.594	5100.	2.170	34.856	242.4	1.699
1900.	3.633	34.965	249.0	3.481	5150.	2.166	34.855	243.8	1.689
1950.	3.583	34.965	250.4	3.427	5182.	2.142	34.852	244.2	1.662
2000.	3.495	34.960	250.0	3.334					
2050.	3.465	34.959	249.6	3.301					
2100.	3.423	34.956	249.1	3.255					
2150.	3.393	34.955	248.8	3.220					
2200.	3.315	34.951	248.7	3.139					
2250.	3.265	34.948	248.0	3.085					
2300.	3.182	34.943	245.4	2.999					
2350.	3.126	34.940	244.0	2.938					
2400.	3.043	34.936	243.3	2.852					
2450.	2.972	34.932	244.5	2.777					
2500.	2.913	34.928	244.3	2.715					
2550.	2.880	34.926	244.1	2.678					
2600.	2.836	34.923	244.5	2.629					
2650.	2.800	34.921	244.4	2.589					
2700.	2.750	34.918	244.1	2.535					
2750.	2.723	34.916	243.6	2.504					
2800.	2.710	34.915	243.1	2.486					



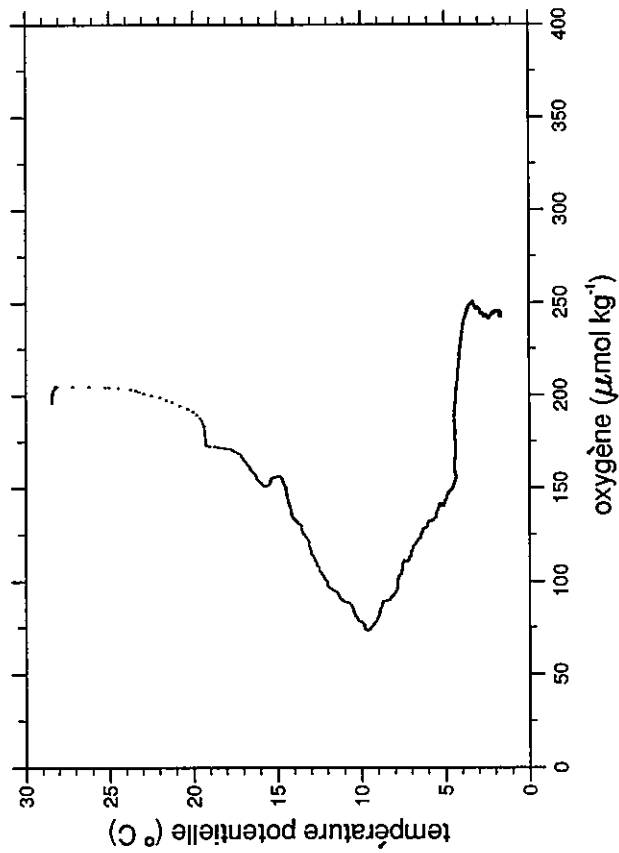
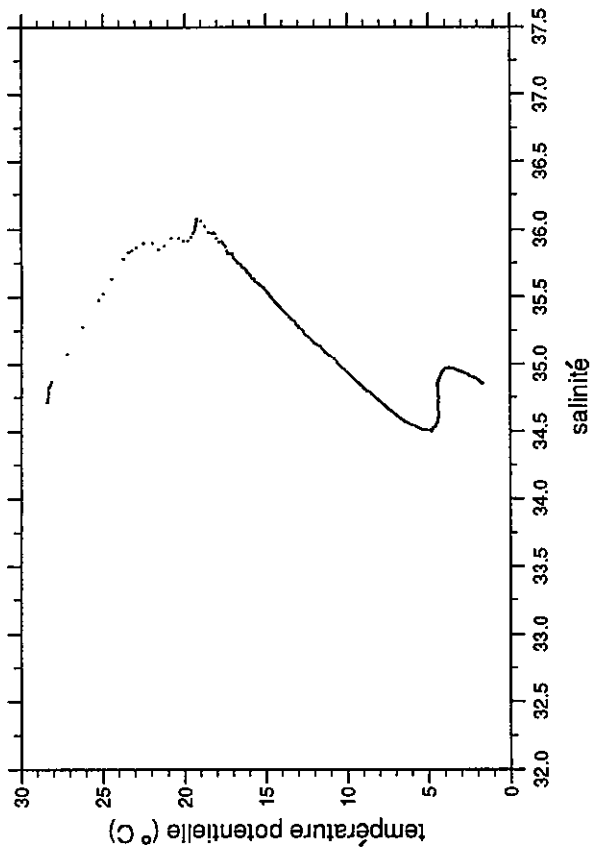
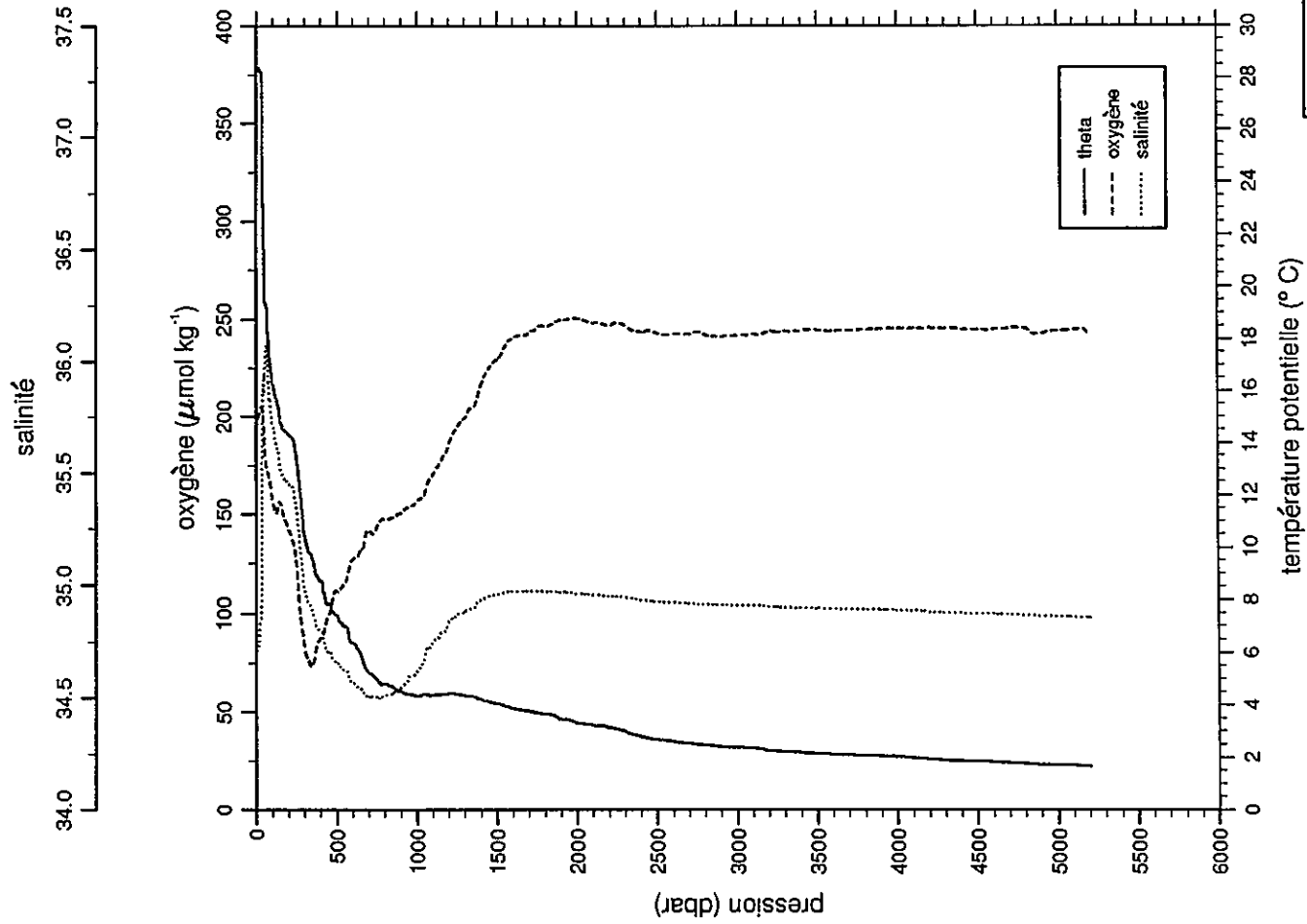
Station 212

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| Station   : 213           Campagne  : CITHER1
| Date      : 13-03-93    Navire    : L'ATALANTE
| Profondeur: 5174 m      Organisme : IFREMER
| Position  : N    0 30.00
|           : W    3 50.02
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PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.412	34.709	198.2	28.412	2850.	2.680	34.913	241.3	2.452
2.	28.408	34.709	195.8	28.407	2900.	2.646	34.910	240.9	2.413
3.	28.409	34.709	195.9	28.408	2950.	2.622	34.909	241.6	2.384
4.	28.409	34.709	195.9	28.408	3000.	2.625	34.909	241.7	2.382
5.	28.409	34.709	196.8	28.408	3050.	2.612	34.908	242.0	2.365
10.	28.417	34.709	199.7	28.415	3100.	2.598	34.908	242.4	2.346
20.	28.329	34.799	202.7	28.324	3150.	2.577	34.906	242.2	2.320
30.	28.216	34.849	205.1	28.209	3200.	2.507	34.902	243.7	2.247
40.	23.214	35.844	202.0	23.206	3250.	2.486	34.900	243.4	2.221
50.	19.594	35.942	187.9	19.585	3300.	2.475	34.899	244.0	2.204
100.	16.285	35.708	157.2	16.269	3350.	2.473	34.899	244.1	2.197
150.	14.806	35.516	156.1	14.783	3400.	2.457	34.898	244.5	2.176
200.	14.340	35.451	142.3	14.311	3450.	2.440	34.896	244.6	2.155
250.	13.417	35.327	124.7	13.382	3500.	2.432	34.895	244.5	2.141
300.	10.433	34.984	82.6	10.397	3550.	2.423	34.894	244.1	2.127
350.	9.545	34.883	73.8	9.505	3600.	2.418	34.894	244.0	2.117
400.	8.787	34.797	87.7	8.743	3650.	2.392	34.892	244.4	2.086
450.	7.897	34.706	99.0	7.852	3700.	2.390	34.892	244.5	2.078
500.	7.493	34.665	111.0	7.444	3750.	2.387	34.890	244.5	2.070
550.	7.063	34.624	115.7	7.010	3800.	2.378	34.890	244.7	2.056
600.	6.410	34.568	127.0	6.355	3850.	2.383	34.890	244.9	2.055
650.	5.969	34.541	132.4	5.912	3900.	2.382	34.890	244.9	2.048
700.	5.311	34.502	141.8	5.252	3950.	2.376	34.888	245.3	2.037
750.	5.050	34.506	143.5	4.989	4000.	2.358	34.887	245.1	2.014
800.	4.900	34.510	147.2	4.835	4050.	2.349	34.886	245.3	2.000
850.	4.781	34.522	148.4	4.712	4100.	2.325	34.883	245.4	1.970
900.	4.614	34.548	150.4	4.542	4150.	2.316	34.882	245.4	1.956
950.	4.497	34.592	153.6	4.421	4200.	2.284	34.878	245.7	1.919
1000.	4.437	34.616	156.7	4.358	4250.	2.282	34.878	245.3	1.911
1050.	4.504	34.685	160.7	4.420	4300.	2.252	34.874	245.3	1.876
1100.	4.480	34.746	170.2	4.392	4350.	2.252	34.874	245.2	1.870
1150.	4.515	34.789	176.9	4.422	4400.	2.247	34.873	244.9	1.860
1200.	4.548	34.836	185.8	4.450	4450.	2.234	34.871	244.7	1.841
1250.	4.528	34.867	194.0	4.425	4500.	2.237	34.871	244.6	1.838
1300.	4.480	34.880	199.2	4.373	4550.	2.241	34.870	244.6	1.836
1350.	4.440	34.894	204.4	4.329	4600.	2.236	34.870	244.9	1.825
1400.	4.322	34.932	215.9	4.208	4650.	2.224	34.868	245.1	1.807
1450.	4.227	34.949	224.6	4.108	4700.	2.206	34.866	245.3	1.784
1500.	4.176	34.956	229.4	4.054	4750.	2.198	34.865	245.6	1.770
1550.	4.088	34.967	235.7	3.963	4800.	2.194	34.864	245.3	1.760
1600.	4.006	34.969	240.3	3.876	4850.	2.181	34.862	242.7	1.741
1650.	3.948	34.969	242.1	3.814	4900.	2.172	34.860	242.8	1.726
1700.	3.911	34.971	243.1	3.773	4950.	2.167	34.859	243.6	1.716
1750.	3.848	34.971	245.5	3.707	5000.	2.162	34.858	244.0	1.704
1800.	3.809	34.969	246.2	3.663	5050.	2.158	34.857	244.4	1.694
1850.	3.773	34.970	247.6	3.623	5100.	2.158	34.855	244.7	1.688
1900.	3.625	34.966	249.3	3.473	5150.	2.158	34.854	244.9	1.681
1950.	3.594	34.965	250.0	3.437	5200.	2.144	34.852	241.9	1.661
2000.	3.468	34.959	250.4	3.309	5202.	2.143	34.852	241.9	1.661
2050.	3.446	34.957	249.3	3.282					
2100.	3.384	34.953	247.9	3.216					
2150.	3.370	34.952	247.8	3.197					
2200.	3.314	34.949	246.7	3.137					
2250.	3.249	34.946	247.6	3.069					
2300.	3.178	34.944	247.0	2.994					
2350.	3.068	34.938	244.5	2.882					
2400.	2.972	34.932	243.4	2.782					
2450.	2.924	34.928	244.4	2.730					
2500.	2.876	34.925	242.9	2.678					
2550.	2.858	34.924	242.2	2.656					
2600.	2.821	34.922	242.7	2.614					
2650.	2.777	34.919	242.5	2.566					
2700.	2.755	34.917	242.3	2.540					
2750.	2.720	34.916	243.4	2.501					
2800.	2.702	34.914	242.2	2.478					



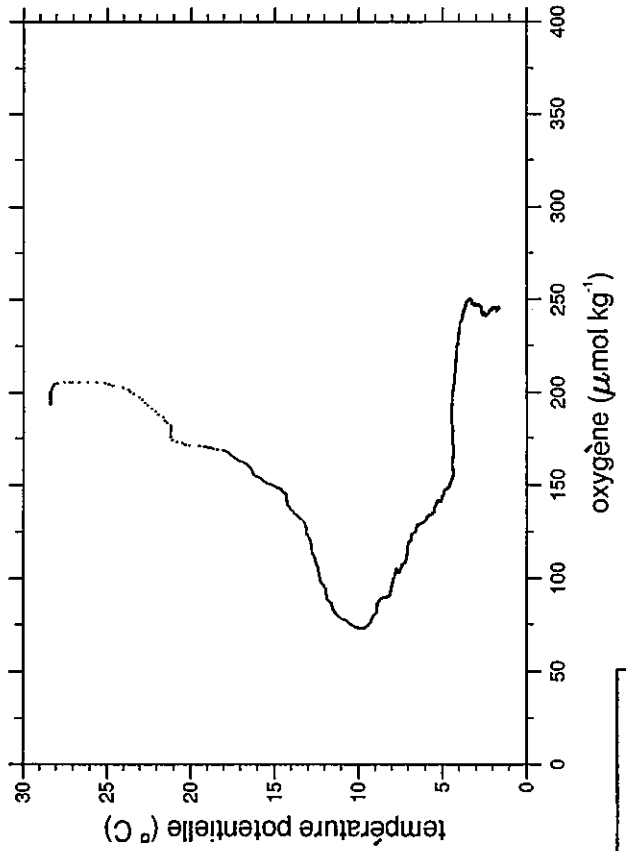
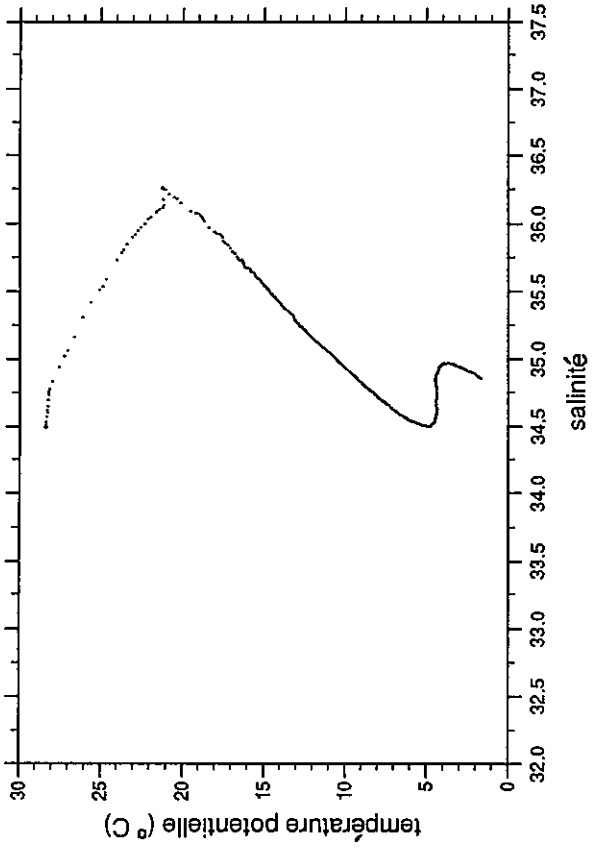
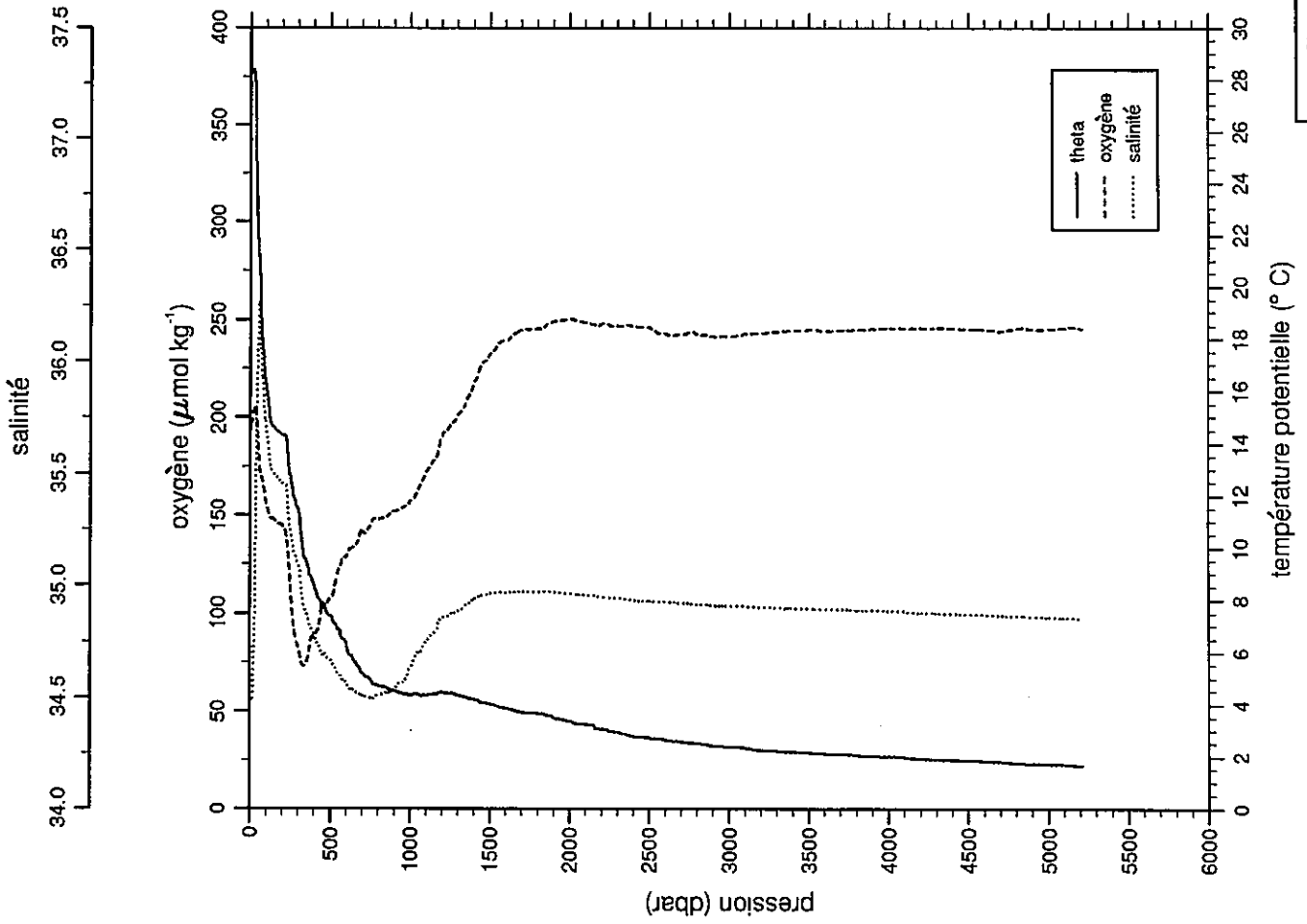
Station 213

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| Station   : 214      Campagne  : CITHER1
| Date      : 13-03-93 Navire    : L'ATALANTE
| Profondeur: 5189 m   Organisme : IFREMER
| Position  : N  0  0.12
|           : W  3  50.01
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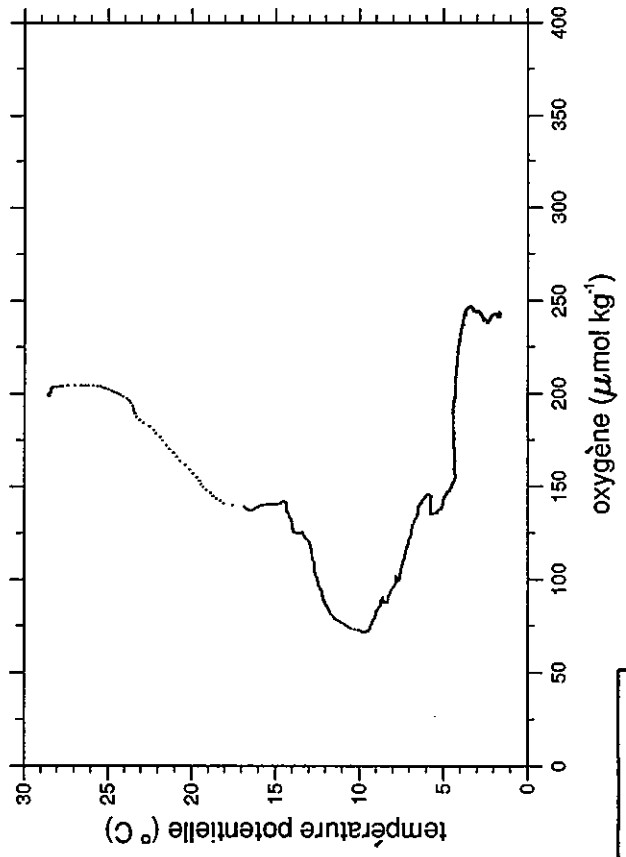
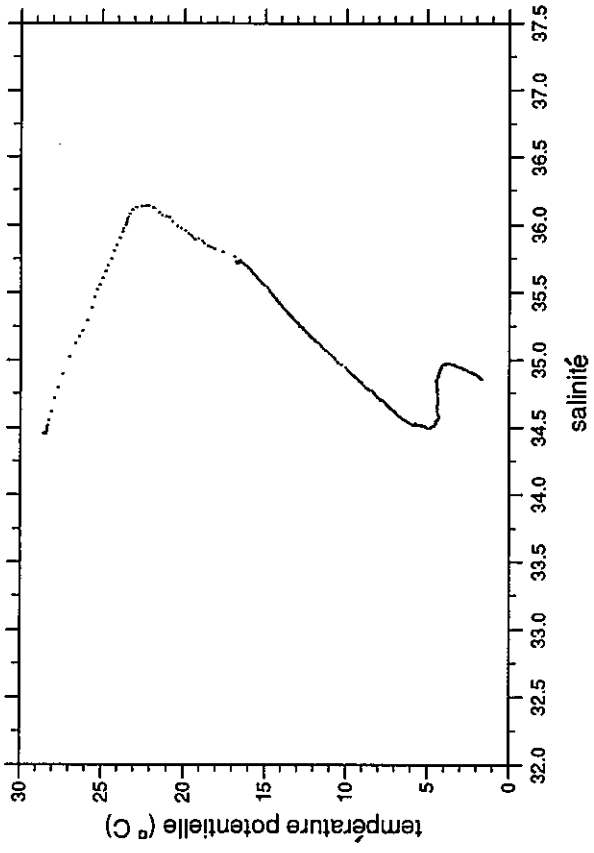
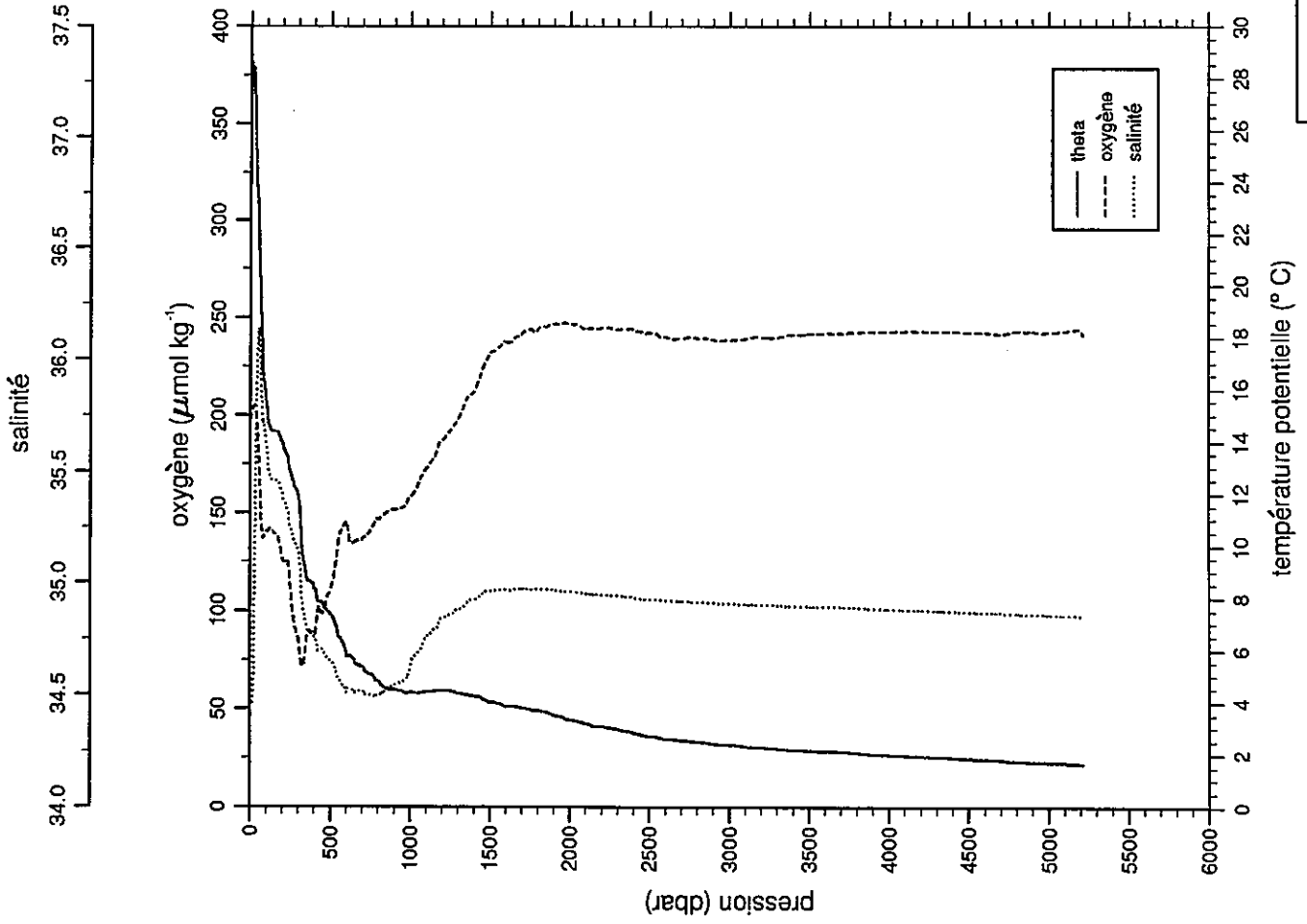
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.393	34.490	196.9	28.392	2850.	2.701	34.914	242.0	2.472
2.	28.393	34.490	194.4	28.392	2900.	2.640	34.911	241.1	2.407
3.	28.383	34.489	193.8	28.382	2950.	2.632	34.910	241.2	2.395
4.	28.390	34.489	194.9	28.389	3000.	2.619	34.908	241.1	2.377
5.	28.393	34.490	195.8	28.392	3050.	2.615	34.908	241.4	2.368
10.	28.396	34.489	197.7	28.394	3100.	2.598	34.908	242.4	2.346
20.	28.301	34.600	202.0	28.296	3150.	2.546	34.905	242.7	2.290
30.	27.270	35.021	205.5	27.263	3200.	2.509	34.902	242.8	2.248
40.	23.625	35.808	200.5	23.617	3250.	2.502	34.901	243.1	2.236
50.	21.558	36.094	185.1	21.549	3300.	2.491	34.900	243.4	2.221
100.	16.242	35.699	155.5	16.226	3350.	2.469	34.898	243.9	2.194
150.	14.642	35.496	147.7	14.620	3400.	2.460	34.898	244.2	2.180
200.	14.340	35.453	144.8	14.311	3450.	2.456	34.897	244.5	2.170
250.	12.814	35.244	115.3	12.780	3500.	2.446	34.896	244.7	2.155
300.	11.469	35.093	82.4	11.431	3550.	2.425	34.895	244.6	2.129
350.	9.567	34.887	74.1	9.527	3600.	2.424	34.894	244.1	2.122
400.	8.611	34.779	89.0	8.568	3650.	2.423	34.894	244.2	2.116
450.	7.781	34.685	104.3	7.736	3700.	2.413	34.893	244.4	2.101
500.	7.463	34.663	107.2	7.414	3750.	2.409	34.892	244.4	2.091
550.	6.919	34.607	121.4	6.866	3800.	2.384	34.890	244.8	2.062
600.	6.453	34.569	128.5	6.398	3850.	2.369	34.889	244.7	2.042
650.	5.704	34.527	133.9	5.648	3900.	2.370	34.889	245.1	2.037
700.	5.282	34.501	141.8	5.224	3950.	2.362	34.887	245.3	2.024
750.	5.025	34.498	144.3	4.963	4000.	2.356	34.886	245.5	2.012
800.	4.783	34.508	147.7	4.719	4050.	2.350	34.885	245.6	2.001
850.	4.695	34.521	148.7	4.627	4100.	2.334	34.884	245.4	1.979
900.	4.594	34.538	151.9	4.523	4150.	2.293	34.880	245.5	1.933
950.	4.507	34.563	153.8	4.432	4200.	2.285	34.879	245.6	1.920
1000.	4.438	34.630	157.2	4.358	4250.	2.270	34.876	245.3	1.899
1050.	4.471	34.700	163.1	4.387	4300.	2.267	34.876	245.6	1.890
1100.	4.458	34.752	171.9	4.370	4350.	2.259	34.874	245.5	1.877
1150.	4.489	34.786	178.3	4.396	4400.	2.249	34.873	245.4	1.861
1200.	4.557	34.852	190.3	4.459	4450.	2.246	34.872	245.0	1.852
1250.	4.538	34.874	195.9	4.436	4500.	2.240	34.871	244.9	1.841
1300.	4.477	34.886	200.9	4.370	4550.	2.241	34.871	244.8	1.836
1350.	4.394	34.913	207.9	4.284	4600.	2.236	34.870	244.8	1.825
1400.	4.326	34.934	217.1	4.212	4650.	2.225	34.868	244.4	1.808
1450.	4.190	34.953	227.1	4.072	4700.	2.208	34.866	243.6	1.785
1500.	4.146	34.961	232.1	4.024	4750.	2.192	34.864	244.5	1.764
1550.	4.083	34.967	237.1	3.957	4800.	2.179	34.862	245.1	1.746
1600.	3.993	34.966	239.3	3.863	4850.	2.175	34.862	245.6	1.736
1650.	3.913	34.969	242.1	3.780	4900.	2.170	34.860	244.9	1.724
1700.	3.850	34.969	244.5	3.713	4950.	2.165	34.859	244.6	1.713
1750.	3.824	34.968	244.8	3.683	5000.	2.161	34.858	244.9	1.703
1800.	3.820	34.967	245.1	3.674	5050.	2.161	34.857	245.2	1.697
1850.	3.761	34.969	246.9	3.612	5100.	2.157	34.855	245.5	1.687
1900.	3.663	34.967	249.1	3.510	5150.	2.148	34.854	246.2	1.672
1950.	3.602	34.965	249.7	3.445	5200.	2.130	34.851	245.2	1.648
2000.	3.527	34.962	250.1	3.367	5210.	2.130	34.851	245.0	1.647
2050.	3.445	34.958	249.3	3.281					
2100.	3.427	34.956	248.5	3.258					
2150.	3.399	34.953	247.5	3.226					
2200.	3.254	34.947	247.8	3.079					
2250.	3.164	34.942	247.2	2.985					
2300.	3.132	34.941	246.9	2.950					
2350.	3.043	34.937	247.0	2.857					
2400.	2.963	34.931	246.4	2.774					
2450.	2.929	34.929	246.0	2.735					
2500.	2.927	34.929	246.0	2.729					
2550.	2.888	34.925	243.1	2.685					
2600.	2.825	34.922	242.5	2.619					
2650.	2.808	34.920	241.7	2.597					
2700.	2.780	34.919	242.1	2.565					
2750.	2.747	34.917	243.3	2.527					
2800.	2.730	34.916	242.1	2.505					



Station 214

Station : 215 Campagne : CITHERR1
 Date : 13-03-93 Navire : L'ATALANTE
 Profondeur: 5203 m Organisme : IFREMER
 Position : S 0 29.99
 W 3 50.05

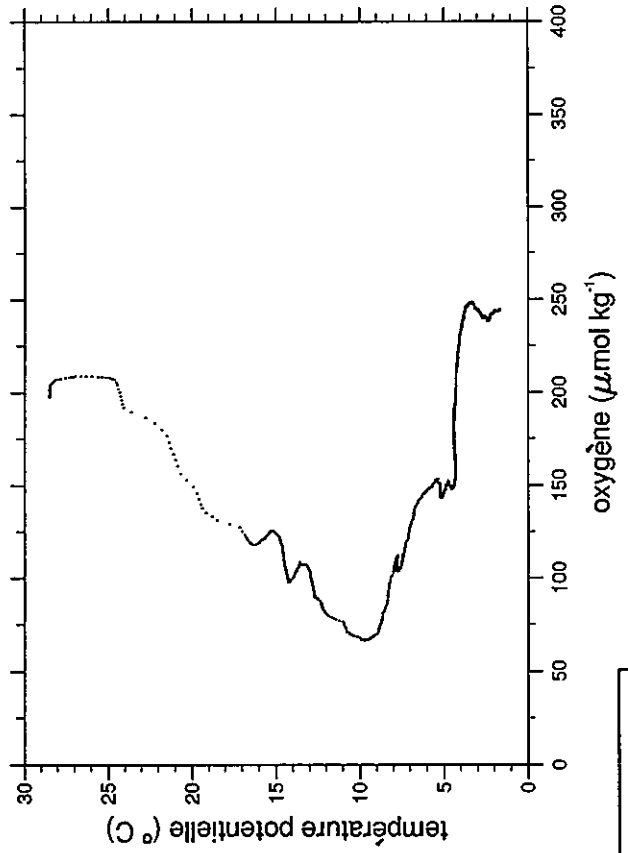
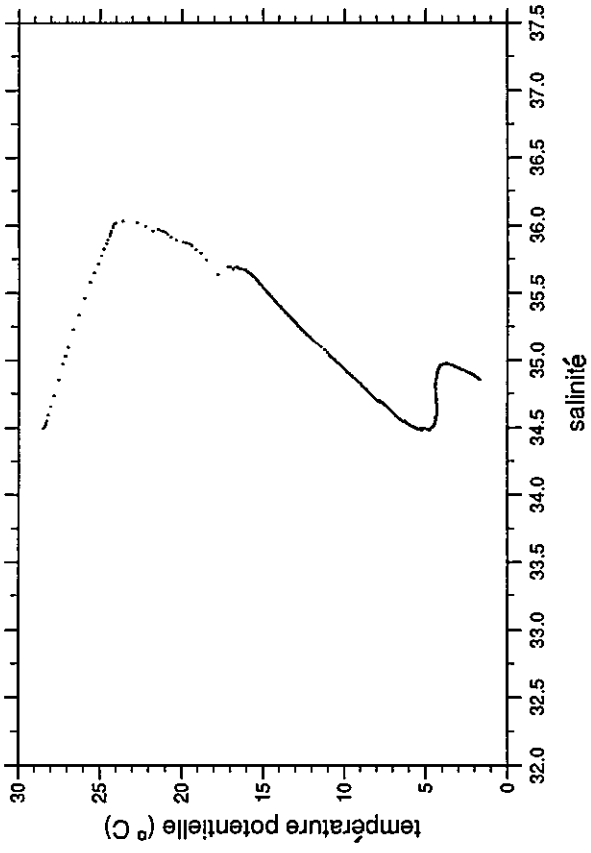
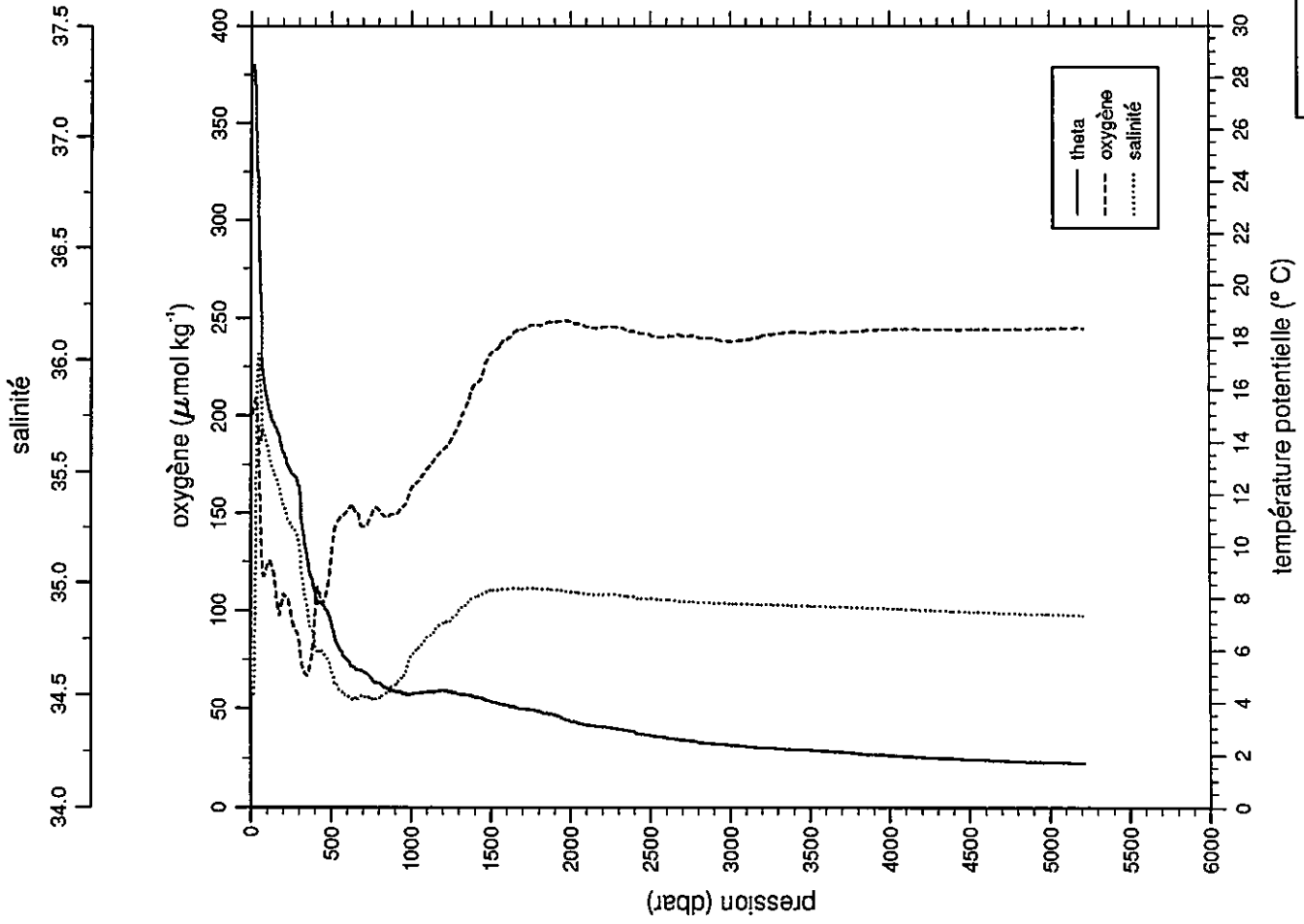
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.483	34.456	200.0	28.483	2850.	2.704	34.913	239.3	2.475
2.	28.483	34.456	198.9	28.482	2900.	2.652	34.911	238.5	2.419
3.	28.535	34.456	198.7	28.534	2950.	2.634	34.909	238.3	2.396
4.	28.546	34.457	199.1	28.545	3000.	2.627	34.909	238.2	2.384
5.	28.555	34.456	199.6	28.554	3050.	2.610	34.906	238.8	2.362
10.	28.426	34.454	200.8	28.423	3100.	2.582	34.905	239.2	2.330
20.	28.245	34.551	203.7	28.240	3150.	2.549	34.903	240.1	2.292
30.	25.635	35.386	204.1	25.628	3200.	2.536	34.903	240.0	2.275
40.	23.885	35.900	197.6	23.877	3250.	2.517	34.901	239.5	2.251
50.	22.543	36.135	182.4	22.533	3300.	2.509	34.901	239.8	2.238
100.	15.480	35.609	140.5	15.465	3350.	2.489	34.899	240.7	2.213
150.	14.386	35.459	139.3	14.364	3400.	2.461	34.897	241.3	2.180
200.	13.988	35.399	126.7	13.959	3450.	2.460	34.897	241.3	2.174
250.	12.878	35.247	112.9	12.844	3500.	2.444	34.896	241.8	2.153
300.	11.945	35.142	85.3	11.906	3550.	2.441	34.895	241.7	2.145
350.	8.913	34.806	84.4	8.875	3600.	2.440	34.894	241.8	2.139
400.	8.381	34.757	87.5	8.339	3650.	2.444	34.895	241.9	2.137
450.	7.857	34.702	98.5	7.811	3700.	2.427	34.893	241.9	2.115
500.	7.401	34.653	110.5	7.352	3750.	2.406	34.891	242.4	2.089
550.	6.591	34.564	134.8	6.540	3800.	2.385	34.888	242.4	2.062
600.	5.898	34.513	145.5	5.845	3850.	2.360	34.887	242.6	2.033
650.	5.706	34.519	135.1	5.650	3900.	2.344	34.886	242.6	2.011
700.	5.408	34.513	136.5	5.349	3950.	2.330	34.884	242.7	1.992
750.	5.122	34.499	140.9	5.060	4000.	2.320	34.883	242.8	1.977
800.	4.863	34.501	147.0	4.798	4050.	2.314	34.882	243.0	1.966
850.	4.613	34.519	149.9	4.545	4100.	2.304	34.880	243.0	1.950
900.	4.546	34.541	151.7	4.475	4150.	2.293	34.879	243.1	1.933
950.	4.485	34.557	152.7	4.410	4200.	2.291	34.878	242.9	1.925
1000.	4.449	34.619	158.8	4.369	4250.	2.277	34.877	243.0	1.907
1050.	4.420	34.688	164.4	4.337	4300.	2.269	34.875	242.8	1.893
1100.	4.464	34.756	172.6	4.375	4350.	2.268	34.875	242.8	1.886
1150.	4.503	34.789	178.1	4.410	4400.	2.263	34.875	242.9	1.875
1200.	4.533	34.841	187.2	4.435	4450.	2.242	34.872	242.7	1.849
1250.	4.527	34.860	191.7	4.424	4500.	2.240	34.871	242.3	1.841
1300.	4.423	34.877	198.5	4.316	4550.	2.227	34.869	242.3	1.822
1350.	4.386	34.906	207.5	4.276	4600.	2.220	34.868	242.2	1.809
1400.	4.341	34.924	212.3	4.226	4650.	2.210	34.867	241.9	1.794
1450.	4.251	34.947	223.0	4.132	4700.	2.212	34.866	241.4	1.789
1500.	4.121	34.963	231.4	4.000	4750.	2.183	34.863	242.1	1.755
1550.	4.080	34.966	234.3	3.955	4800.	2.177	34.862	243.1	1.744
1600.	3.963	34.965	237.6	3.834	4850.	2.178	34.861	242.7	1.738
1650.	3.969	34.971	239.5	3.835	4900.	2.172	34.860	243.0	1.726
1700.	3.906	34.972	241.8	3.769	4950.	2.170	34.859	242.1	1.718
1750.	3.869	34.973	243.8	3.727	5000.	2.165	34.858	242.5	1.707
1800.	3.841	34.973	244.0	3.695	5050.	2.163	34.856	242.5	1.699
1850.	3.774	34.970	245.4	3.624	5100.	2.163	34.855	242.9	1.692
1900.	3.649	34.966	246.5	3.497	5150.	2.154	34.854	243.5	1.677
1950.	3.591	34.964	246.9	3.434	5200.	2.136	34.852	242.9	1.654
2000.	3.480	34.958	246.8	3.320	5216.	2.137	34.851	241.2	1.653
2050.	3.425	34.956	246.2	3.261					
2100.	3.339	34.950	244.2	3.172					
2150.	3.246	34.946	244.1	3.076					
2200.	3.244	34.946	244.6	3.069					
2250.	3.193	34.944	244.7	3.014					
2300.	3.150	34.941	243.8	2.967					
2350.	3.090	34.938	244.1	2.903					
2400.	3.016	34.933	243.9	2.826					
2450.	2.953	34.929	242.7	2.758					
2500.	2.885	34.926	242.1	2.687					
2550.	2.870	34.924	241.2	2.668					
2600.	2.807	34.920	240.2	2.601					
2650.	2.794	34.919	239.0	2.583					
2700.	2.765	34.918	239.3	2.550					
2750.	2.741	34.916	240.2	2.522					
2800.	2.723	34.914	239.5	2.499					



Station 215

Station : 216	Campagne : CITHER1
Date : 13-03-93	Navire : L'ATALANTE
Profondeur: 5196 m	Organisme : IFREMER
Position : S 0 59.50	
W 3 50.01	

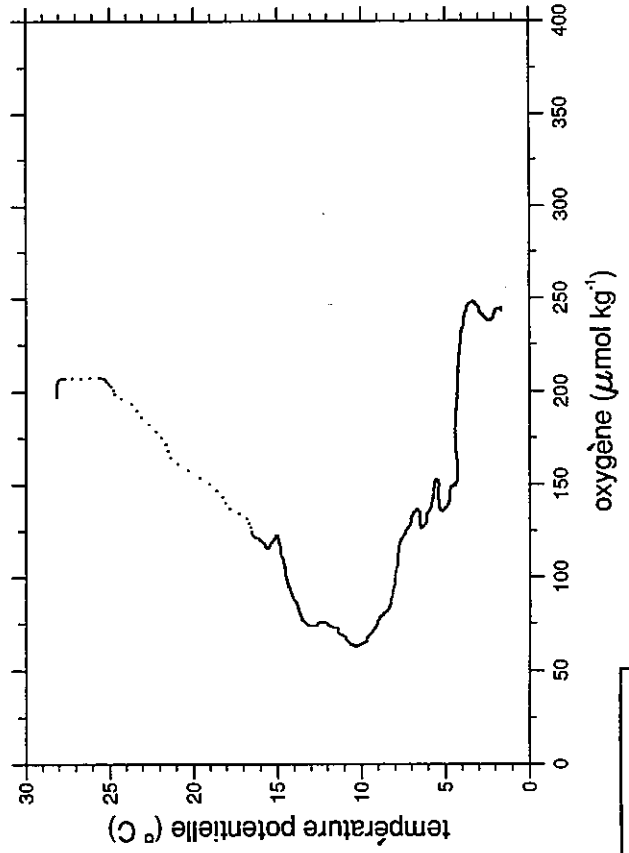
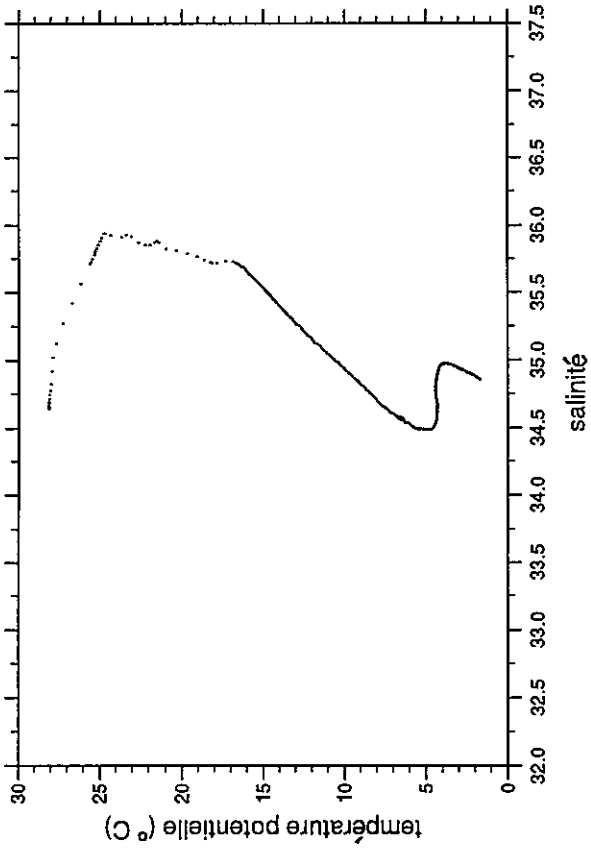
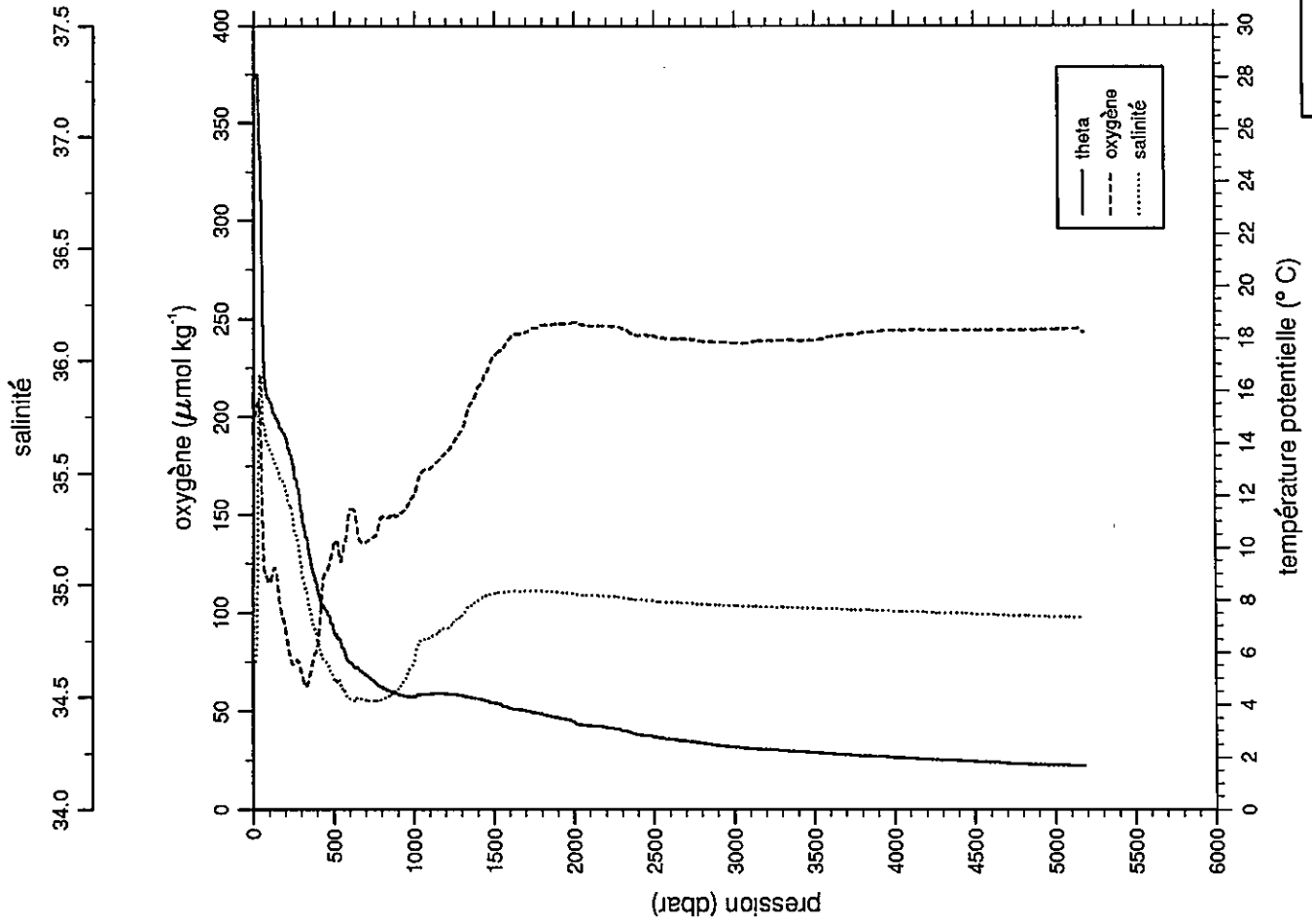
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.487	34.490	200.3	28.487	2850.	2.659	34.911	239.4	2.431
2.	28.487	34.490	198.3	28.487	2900.	2.647	34.910	239.5	2.415
3.	28.484	34.491	197.7	28.483	2950.	2.632	34.908	238.3	2.394
4.	28.485	34.491	198.5	28.484	3000.	2.604	34.907	238.0	2.362
5.	28.486	34.490	199.1	28.485	3050.	2.586	34.905	238.3	2.339
10.	28.490	34.489	201.6	28.488	3100.	2.568	34.904	238.7	2.316
20.	28.314	34.528	205.9	28.310	3150.	2.530	34.902	239.4	2.274
30.	26.643	35.226	208.9	26.636	3200.	2.516	34.901	240.6	2.255
40.	24.441	35.919	203.9	24.433	3250.	2.517	34.901	241.2	2.251
50.	21.785	35.955	180.1	21.775	3300.	2.501	34.900	241.7	2.230
100.	15.621	35.621	122.5	15.606	3350.	2.482	34.899	242.1	2.206
150.	14.612	35.484	114.8	14.590	3400.	2.469	34.898	242.3	2.189
200.	13.632	35.351	108.0	13.604	3450.	2.470	34.897	242.2	2.184
250.	12.892	35.256	98.3	12.858	3500.	2.463	34.895	241.7	2.171
300.	12.329	35.187	85.2	12.289	3550.	2.446	34.895	242.2	2.149
350.	9.653	34.889	66.8	9.613	3600.	2.430	34.894	242.6	2.128
400.	8.268	34.730	97.3	8.227	3650.	2.420	34.892	242.3	2.113
450.	7.760	34.690	103.6	7.714	3700.	2.410	34.892	242.1	2.098
500.	7.109	34.613	126.0	7.061	3750.	2.397	34.890	242.4	2.080
550.	6.125	34.524	146.3	6.076	3800.	2.368	34.888	242.8	2.046
600.	5.681	34.497	150.7	5.630	3850.	2.348	34.886	243.3	2.021
650.	5.368	34.488	150.9	5.314	3900.	2.350	34.886	243.5	2.017
700.	5.218	34.493	143.2	5.160	3950.	2.343	34.885	243.6	2.005
750.	4.963	34.484	148.2	4.902	4000.	2.316	34.883	243.9	1.973
800.	4.767	34.486	151.7	4.703	4050.	2.311	34.882	243.8	1.962
850.	4.598	34.508	147.7	4.531	4100.	2.296	34.880	244.0	1.942
900.	4.484	34.541	149.4	4.413	4150.	2.288	34.879	244.0	1.929
950.	4.411	34.575	152.9	4.336	4200.	2.276	34.877	243.9	1.911
1000.	4.393	34.670	161.9	4.314	4250.	2.261	34.876	243.7	1.891
1050.	4.425	34.711	166.4	4.341	4300.	2.257	34.875	243.7	1.881
1100.	4.481	34.756	172.6	4.392	4350.	2.248	34.873	243.9	1.866
1150.	4.488	34.786	177.8	4.395	4400.	2.240	34.872	243.6	1.853
1200.	4.536	34.818	182.6	4.438	4450.	2.232	34.871	243.6	1.839
1250.	4.489	34.835	187.1	4.387	4500.	2.223	34.869	243.7	1.824
1300.	4.423	34.874	195.2	4.316	4550.	2.223	34.869	243.8	1.818
1350.	4.398	34.905	205.4	4.287	4600.	2.215	34.868	243.9	1.805
1400.	4.318	34.933	215.8	4.204	4650.	2.191	34.865	243.6	1.776
1450.	4.289	34.951	221.7	4.170	4700.	2.187	34.864	243.7	1.765
1500.	4.144	34.963	231.5	4.022	4750.	2.180	34.863	243.7	1.753
1550.	4.075	34.967	234.9	3.949	4800.	2.176	34.862	243.8	1.743
1600.	4.014	34.970	239.0	3.885	4850.	2.172	34.861	243.8	1.732
1650.	3.927	34.971	242.4	3.794	4900.	2.170	34.860	244.1	1.725
1700.	3.865	34.971	243.7	3.728	4950.	2.163	34.859	244.1	1.711
1750.	3.837	34.974	246.0	3.695	5000.	2.164	34.858	244.1	1.706
1800.	3.781	34.971	246.3	3.636	5050.	2.158	34.857	244.3	1.694
1850.	3.704	34.969	247.4	3.555	5100.	2.159	34.855	244.4	1.688
1900.	3.671	34.968	247.7	3.517	5150.	2.159	34.855	244.5	1.682
1950.	3.556	34.963	248.5	3.400	5200.	2.147	34.852	244.7	1.664
2000.	3.440	34.957	248.2	3.280	5214.	2.147	34.853	244.1	1.662
2050.	3.369	34.953	247.0	3.207					
2100.	3.317	34.950	245.5	3.151					
2150.	3.270	34.946	244.7	3.099					
2200.	3.229	34.947	245.0	3.054					
2250.	3.213	34.945	245.4	3.033					
2300.	3.173	34.942	244.9	2.989					
2350.	3.111	34.938	243.3	2.924					
2400.	3.061	34.934	242.9	2.870					
2450.	2.966	34.929	241.7	2.772					
2500.	2.927	34.926	241.0	2.729					
2550.	2.895	34.924	240.0	2.692					
2600.	2.844	34.921	240.1	2.638					
2650.	2.810	34.920	240.4	2.599					
2700.	2.765	34.917	240.6	2.550					
2750.	2.739	34.915	240.5	2.520					
2800.	2.690	34.912	239.9	2.466					



Station 216

Station : 217	Campagne : CITHER1
Date : 14-03-93	Navire : L'ATALANTE
Profondeur: 5113 m	Organisme : IFREMER
Position : S 1 29.94	
W 3 50.02	

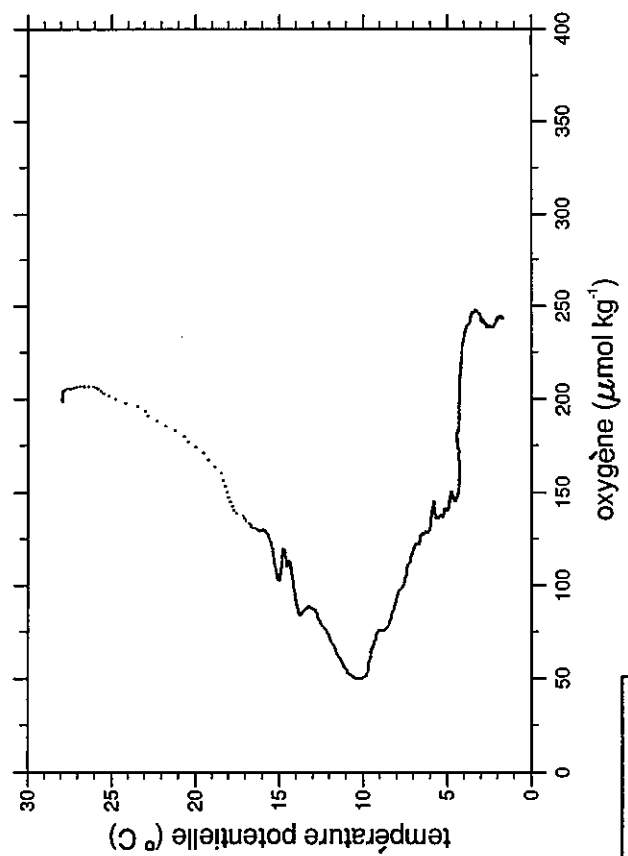
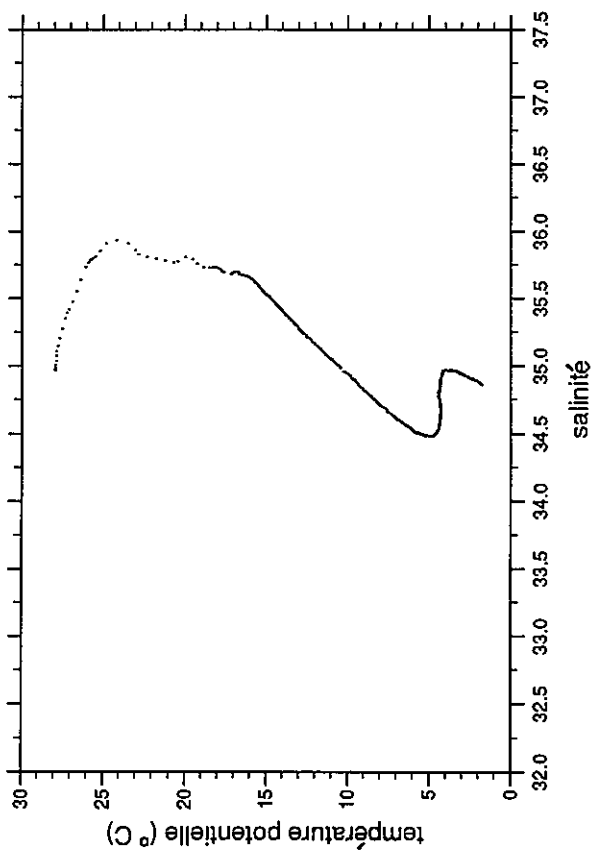
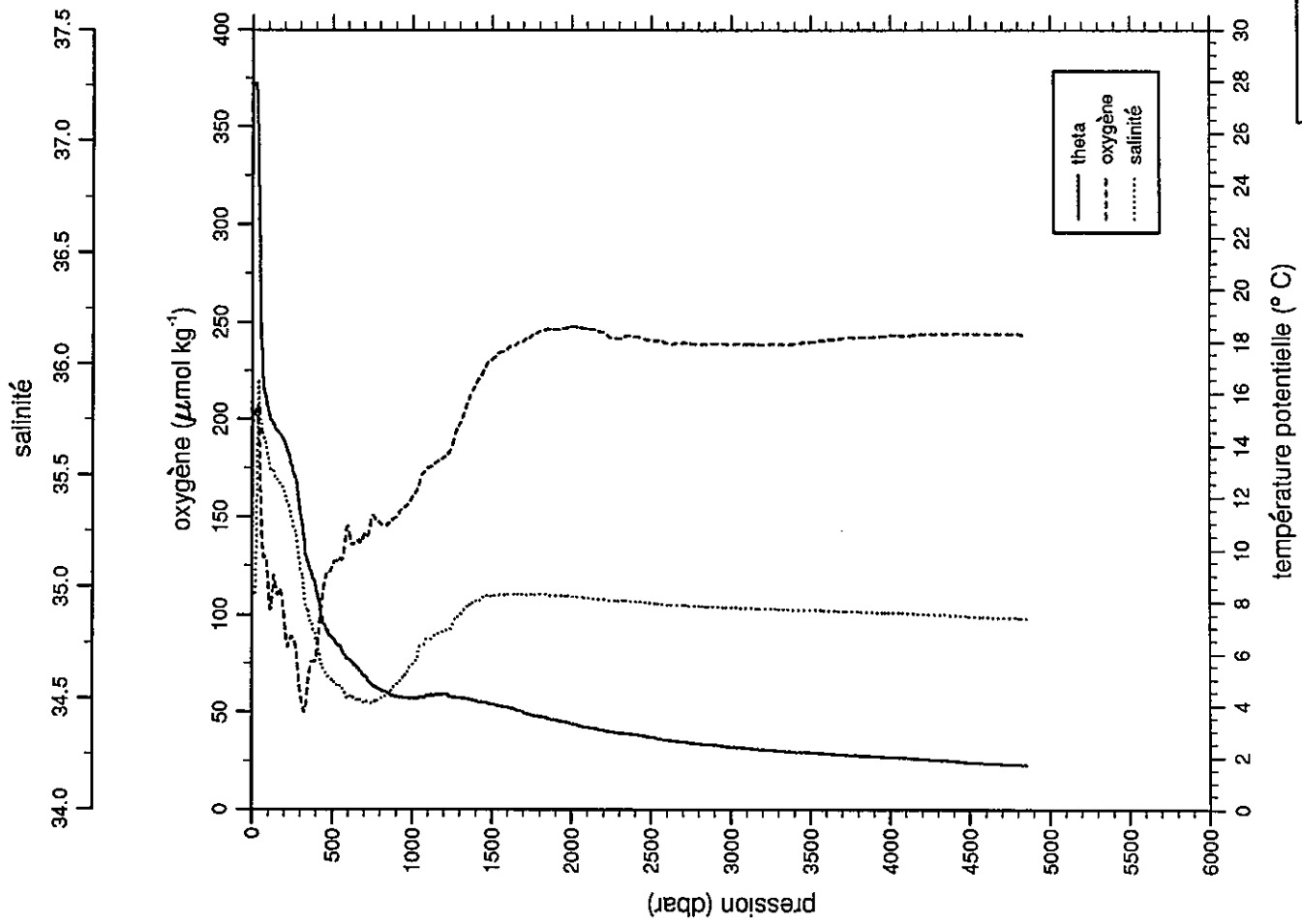
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.130	34.645	199.6	28.130	2850.	2.725	34.912	238.1	2.496
2.	28.124	34.643	197.0	28.124	2900.	2.686	34.910	237.8	2.452
3.	28.126	34.643	197.9	28.125	2950.	2.658	34.908	237.8	2.420
4.	28.125	34.643	198.9	28.125	3000.	2.634	34.907	237.6	2.391
5.	28.126	34.644	199.2	28.125	3050.	2.607	34.906	237.4	2.360
10.	28.133	34.644	201.2	28.131	3100.	2.585	34.904	238.0	2.333
20.	28.097	34.720	205.3	28.092	3150.	2.576	34.903	238.5	2.319
30.	25.628	35.708	207.4	25.621	3200.	2.560	34.903	238.5	2.298
40.	24.786	35.936	200.9	24.777	3250.	2.550	34.901	238.7	2.283
50.	21.515	35.885	168.2	21.505	3300.	2.526	34.900	238.8	2.255
100.	15.583	35.608	115.4	15.568	3350.	2.516	34.900	239.2	2.240
150.	14.843	35.512	115.7	14.820	3400.	2.493	34.899	238.6	2.212
200.	14.204	35.422	91.4	14.174	3450.	2.486	34.898	238.9	2.199
250.	13.025	35.263	73.7	12.990	3500.	2.474	34.896	239.0	2.182
300.	11.283	35.067	69.2	11.246	3550.	2.448	34.895	239.5	2.151
350.	9.705	34.899	67.0	9.665	3600.	2.433	34.894	240.6	2.131
400.	8.433	34.751	83.0	8.391	3650.	2.420	34.893	241.0	2.114
450.	7.671	34.659	120.6	7.626	3700.	2.393	34.890	241.8	2.082
500.	6.850	34.583	135.4	6.803	3750.	2.373	34.889	241.8	2.056
550.	6.260	34.535	128.4	6.211	3800.	2.358	34.888	242.7	2.036
600.	5.663	34.493	152.3	5.612	3850.	2.354	34.887	243.1	2.027
650.	5.445	34.494	140.1	5.390	3900.	2.348	34.886	243.5	2.015
700.	5.191	34.487	135.9	5.134	3950.	2.339	34.885	243.6	2.001
750.	4.977	34.485	138.8	4.916	4000.	2.318	34.883	243.8	1.975
800.	4.728	34.488	148.9	4.664	4050.	2.304	34.881	243.8	1.956
850.	4.583	34.506	149.0	4.516	4100.	2.296	34.880	243.9	1.942
900.	4.469	34.535	149.5	4.399	4150.	2.287	34.879	244.4	1.928
950.	4.394	34.586	153.1	4.319	4200.	2.282	34.878	244.2	1.917
1000.	4.373	34.644	160.3	4.294	4250.	2.262	34.876	244.0	1.892
1050.	4.485	34.756	172.1	4.400	4300.	2.253	34.875	244.1	1.877
1100.	4.477	34.766	173.6	4.388	4350.	2.252	34.874	244.1	1.871
1150.	4.502	34.786	177.3	4.409	4400.	2.246	34.873	244.1	1.858
1200.	4.475	34.806	182.1	4.378	4450.	2.244	34.872	244.1	1.850
1250.	4.499	34.835	187.4	4.396	4500.	2.233	34.871	244.1	1.834
1300.	4.475	34.858	193.3	4.368	4550.	2.217	34.868	244.1	1.812
1350.	4.386	34.907	206.0	4.276	4600.	2.211	34.868	244.1	1.800
1400.	4.328	34.931	215.1	4.214	4650.	2.201	34.866	244.2	1.785
1450.	4.273	34.950	222.7	4.154	4700.	2.189	34.864	244.1	1.767
1500.	4.190	34.962	230.9	4.068	4750.	2.176	34.863	244.0	1.748
1550.	4.090	34.964	234.3	3.964	4800.	2.178	34.862	243.9	1.744
1600.	3.994	34.972	240.3	3.865	4850.	2.170	34.861	244.1	1.730
1650.	3.945	34.972	242.2	3.812	4900.	2.161	34.859	244.2	1.716
1700.	3.910	34.973	243.1	3.772	4950.	2.151	34.859	244.4	1.700
1750.	3.843	34.973	245.2	3.701	5000.	2.147	34.857	244.5	1.689
1800.	3.798	34.972	246.7	3.652	5050.	2.151	34.857	244.5	1.687
1850.	3.709	34.969	247.0	3.560	5100.	2.148	34.855	244.7	1.678
1900.	3.667	34.967	247.5	3.514	5150.	2.151	34.854	244.9	1.675
1950.	3.598	34.965	247.6	3.442	5184.	2.155	34.855	243.2	1.674
2000.	3.505	34.962	248.4	3.345					
2050.	3.377	34.954	247.0	3.214					
2100.	3.361	34.953	246.2	3.193					
2150.	3.342	34.952	246.3	3.170					
2200.	3.311	34.950	246.3	3.135					
2250.	3.267	34.947	246.0	3.087					
2300.	3.195	34.942	245.0	3.011					
2350.	3.130	34.938	242.5	2.942					
2400.	3.040	34.933	241.3	2.849					
2450.	3.004	34.931	241.6	2.809					
2500.	2.965	34.928	241.0	2.766					
2550.	2.921	34.925	240.3	2.718					
2600.	2.884	34.923	239.4	2.677					
2650.	2.850	34.921	239.4	2.639					
2700.	2.828	34.919	239.4	2.611					
2750.	2.812	34.918	239.1	2.591					
2800.	2.765	34.915	238.4	2.540					



Station 217

Station	: 218	Campagne	: CITHER1
Date	: 14-03-93	Navire	: L'ATALANTE
Profondeur	: 4901 m	Organisme	: IFREMER
Position	: S 2 0.02		
	W 3 49.99		

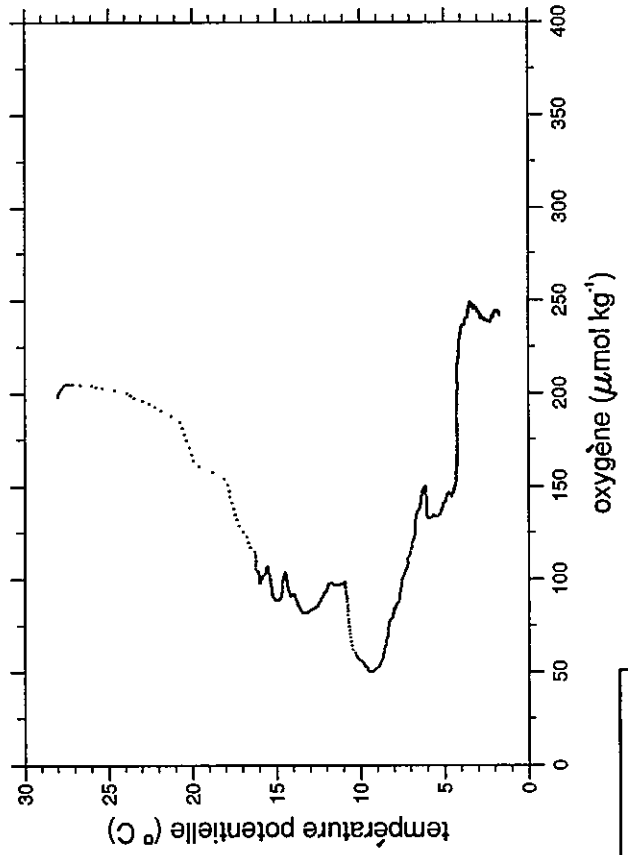
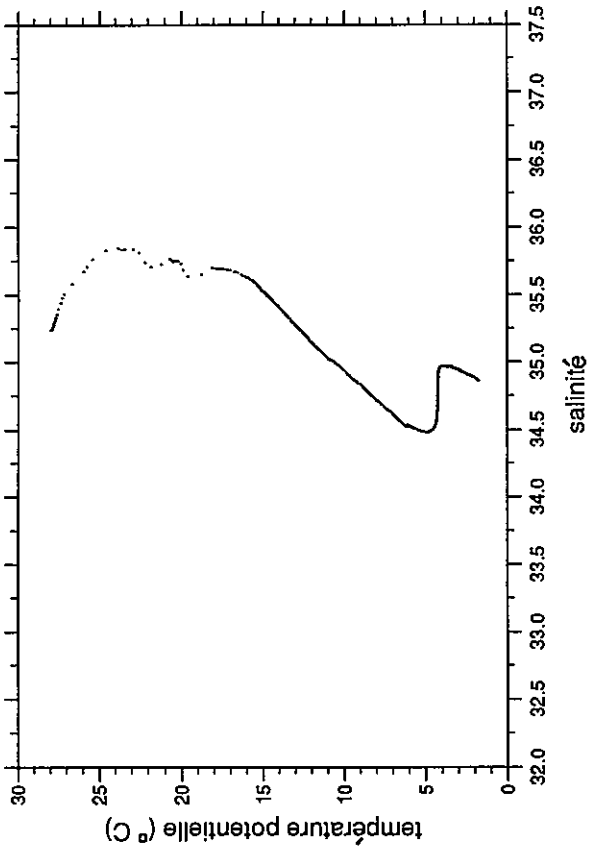
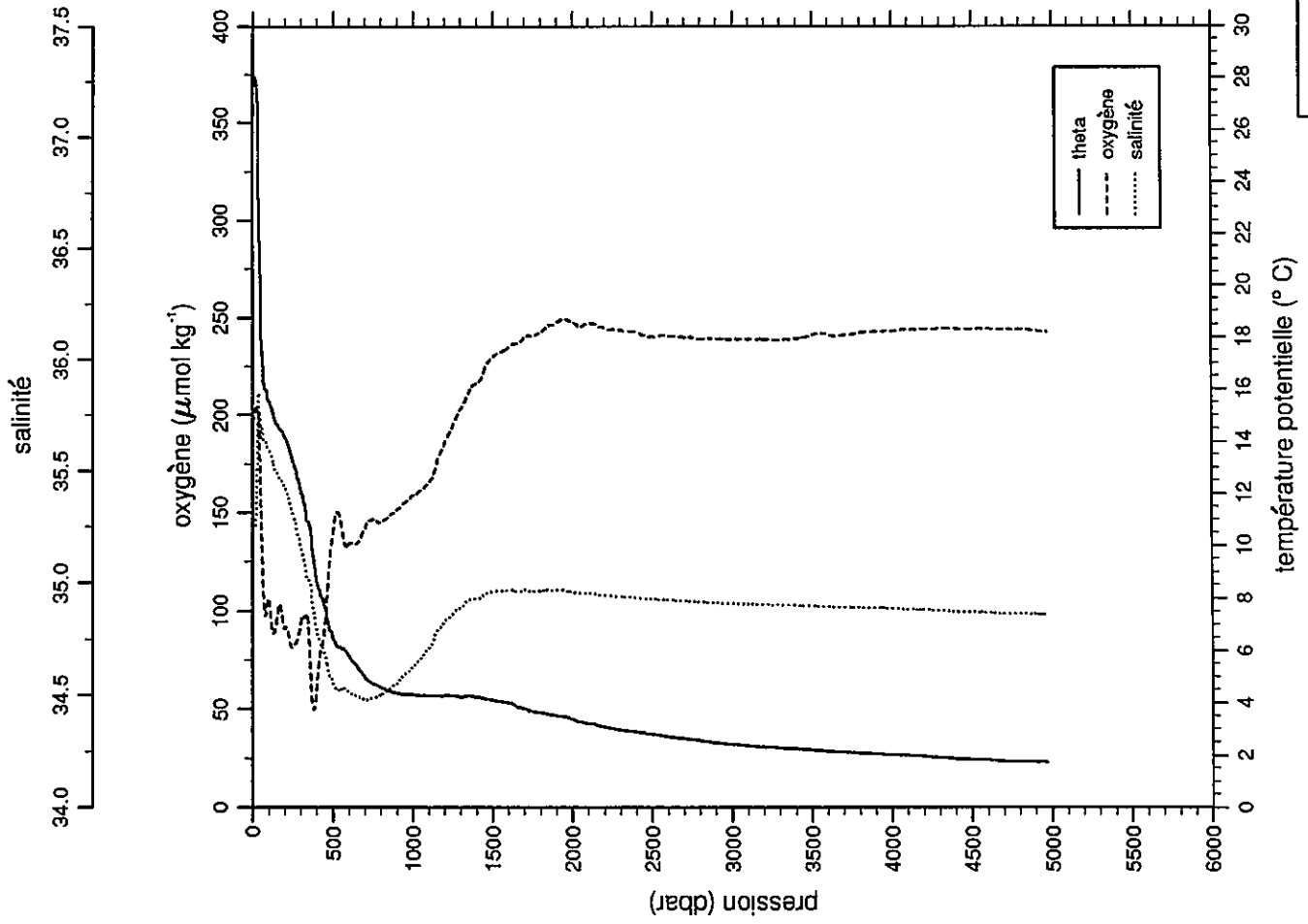
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.930	34.965	200.2	27.930	2850.	2.729	34.913	238.7	2.500
2.	27.930	34.965	200.2	27.930	2900.	2.705	34.911	239.0	2.471
3.	27.930	34.965	200.2	27.929	2950.	2.675	34.909	238.8	2.437
4.	27.930	34.965	198.4	27.929	3000.	2.645	34.907	238.7	2.402
5.	27.930	34.965	198.8	27.929	3050.	2.628	34.906	238.8	2.380
10.	27.929	34.965	200.7	27.927	3100.	2.608	34.905	238.6	2.355
20.	27.918	35.005	203.7	27.913	3150.	2.590	34.904	238.3	2.333
30.	26.874	35.473	206.7	26.867	3200.	2.560	34.902	238.2	2.298
40.	24.175	35.932	197.9	24.167	3250.	2.541	34.901	238.8	2.275
50.	19.525	35.791	170.9	19.516	3300.	2.528	34.900	238.7	2.256
100.	15.366	35.577	115.8	15.350	3350.	2.515	34.900	238.5	2.238
150.	14.610	35.483	112.8	14.588	3400.	2.497	34.898	239.1	2.215
200.	14.170	35.423	98.8	14.141	3450.	2.492	34.898	239.4	2.205
250.	13.229	35.300	88.1	13.194	3500.	2.480	34.896	239.7	2.189
300.	11.358	35.084	60.3	11.320	3550.	2.468	34.896	240.4	2.171
350.	9.537	34.886	65.4	9.497	3600.	2.454	34.895	240.8	2.152
400.	8.539	34.765	78.9	8.496	3650.	2.432	34.893	240.9	2.125
450.	7.225	34.630	114.9	7.182	3700.	2.416	34.892	241.7	2.103
500.	6.656	34.579	124.5	6.610	3750.	2.412	34.892	242.1	2.095
550.	6.368	34.556	128.6	6.318	3800.	2.400	34.890	242.1	2.077
600.	5.870	34.514	144.8	5.818	3850.	2.386	34.889	242.3	2.058
650.	5.597	34.502	136.4	5.541	3900.	2.372	34.887	242.3	2.038
700.	5.214	34.483	140.7	5.156	3950.	2.365	34.887	242.9	2.026
750.	4.855	34.479	149.8	4.795	4000.	2.363	34.885	243.3	2.018
800.	4.681	34.496	146.9	4.618	4050.	2.353	34.885	243.5	2.003
850.	4.549	34.518	146.2	4.482	4100.	2.338	34.883	243.2	1.983
900.	4.434	34.556	149.8	4.364	4150.	2.329	34.882	243.4	1.968
950.	4.380	34.599	154.7	4.306	4200.	2.312	34.880	243.9	1.946
1000.	4.363	34.650	159.5	4.284	4250.	2.295	34.878	244.1	1.924
1050.	4.418	34.739	168.6	4.334	4300.	2.281	34.877	244.0	1.904
1100.	4.472	34.765	174.8	4.383	4350.	2.271	34.875	244.2	1.888
1150.	4.498	34.786	177.8	4.405	4400.	2.253	34.874	244.2	1.866
1200.	4.525	34.803	180.3	4.427	4450.	2.234	34.871	244.3	1.841
1250.	4.420	34.826	185.8	4.319	4500.	2.203	34.868	244.4	1.805
1300.	4.406	34.875	197.7	4.300	4550.	2.196	34.867	244.0	1.792
1350.	4.371	34.917	209.0	4.261	4600.	2.189	34.865	243.9	1.779
1400.	4.321	34.936	217.7	4.206	4650.	2.178	34.865	243.9	1.763
1450.	4.255	34.955	225.2	4.136	4700.	2.176	34.863	244.1	1.755
1500.	4.181	34.960	230.7	4.058	4750.	2.179	34.863	243.9	1.752
1550.	4.109	34.965	234.4	3.983	4800.	2.171	34.861	244.1	1.738
1600.	4.053	34.967	236.4	3.923	4850.	2.168	34.861	243.4	1.728
1650.	3.969	34.967	238.4	3.835	4855.	2.168	34.861	243.1	1.728
1700.	3.868	34.966	240.5	3.731					
1750.	3.760	34.966	243.0	3.620					
1800.	3.717	34.966	245.2	3.572					
1850.	3.660	34.966	246.5	3.512					
1900.	3.585	34.961	246.4	3.433					
1950.	3.535	34.961	247.0	3.379					
2000.	3.463	34.958	248.0	3.304					
2050.	3.383	34.953	247.4	3.220					
2100.	3.322	34.950	246.8	3.155					
2150.	3.291	34.948	246.2	3.120					
2200.	3.227	34.944	244.9	3.052					
2250.	3.157	34.939	242.0	2.978					
2300.	3.124	34.937	241.4	2.941					
2350.	3.100	34.937	243.0	2.913					
2400.	3.067	34.935	242.4	2.876					
2450.	3.024	34.931	241.3	2.828					
2500.	2.978	34.928	240.5	2.779					
2550.	2.922	34.925	240.8	2.719					
2600.	2.867	34.921	239.0	2.659					
2650.	2.834	34.920	239.1	2.622					
2700.	2.815	34.918	239.5	2.599					
2750.	2.770	34.914	239.0	2.550					
2800.	2.743	34.913	238.6	2.519					



Station 218

Station : 219	Campagne : CITHER1
Date : 14-03-93	Navire : L'ATALANTE
Profondeur: 4943 m	Organisme : IFREMER
Position : S 2 30.02	
W 3 49.99	

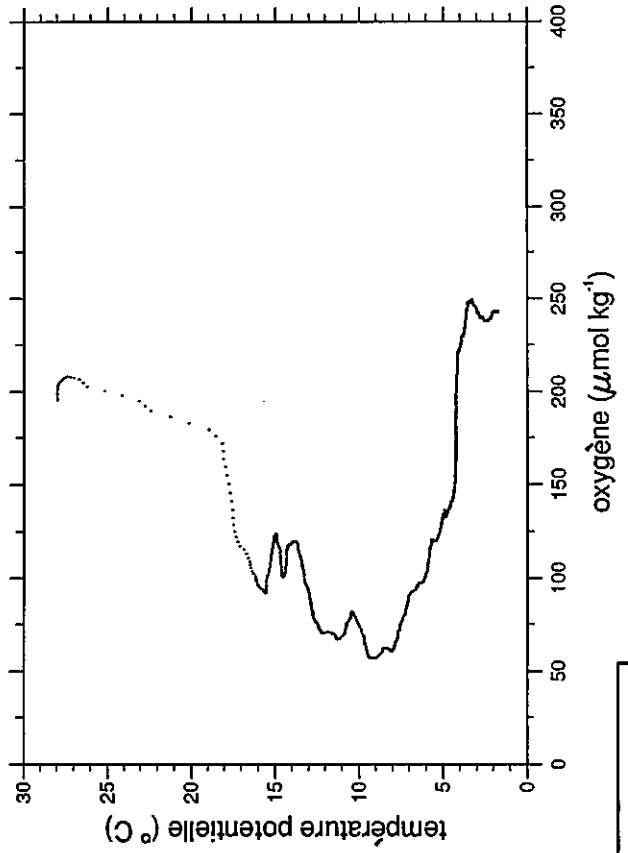
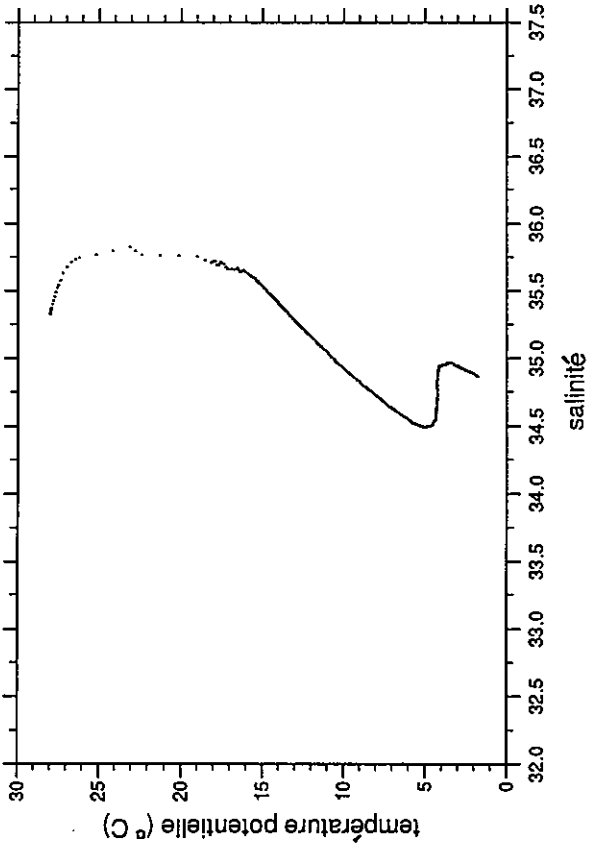
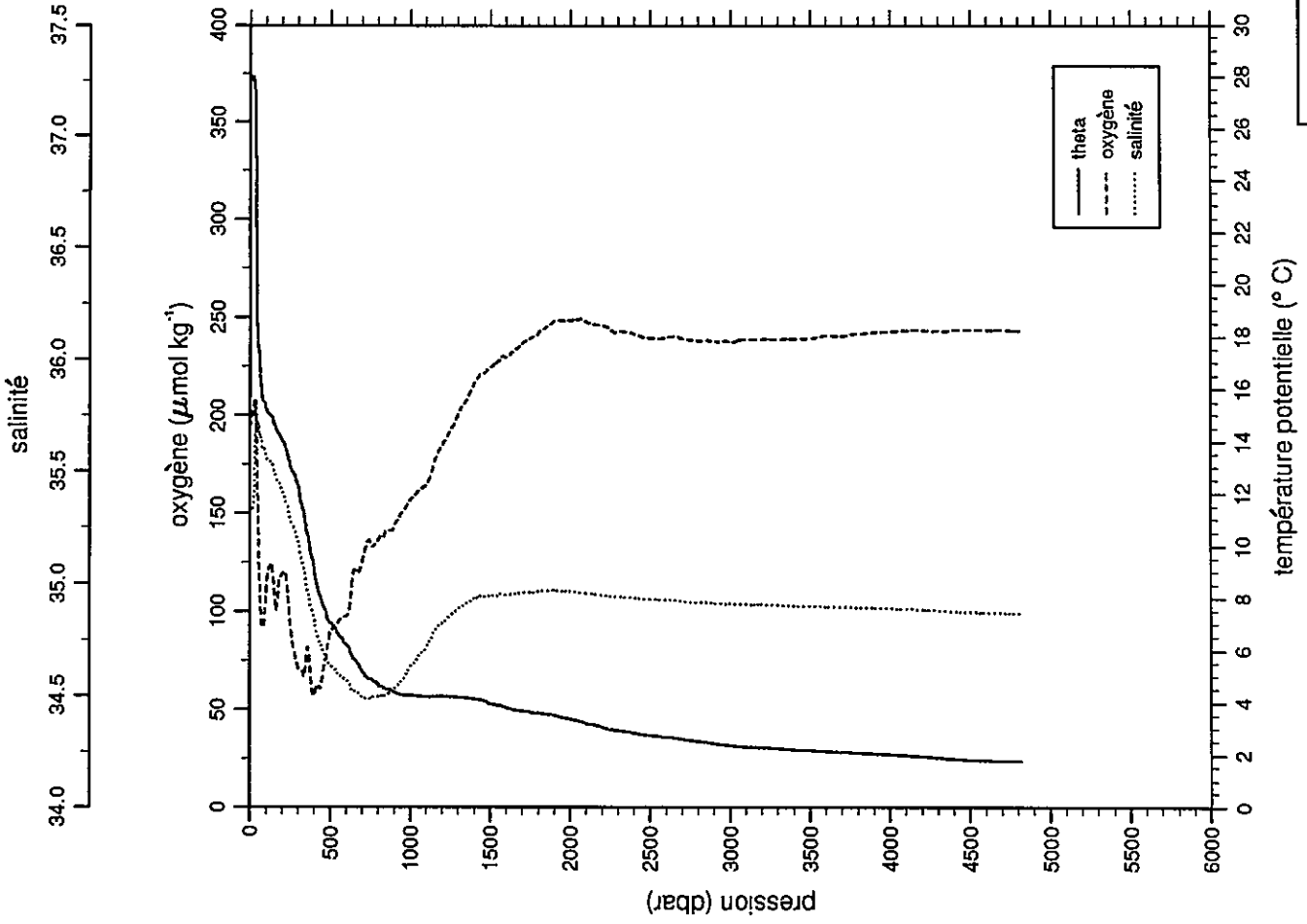
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.013	35.235	198.7	28.013	2850.	2.716	34.912	239.1	2.487
2.	28.020	35.236	199.3	28.019	2900.	2.680	34.910	239.1	2.447
3.	28.020	35.235	198.3	28.019	2950.	2.659	34.909	239.0	2.421
4.	28.021	35.235	198.0	28.020	3000.	2.635	34.907	238.6	2.393
5.	28.019	35.235	198.2	28.018	3050.	2.611	34.905	238.7	2.363
10.	28.010	35.235	199.2	28.007	3100.	2.591	34.904	238.7	2.339
20.	27.793	35.288	202.8	27.788	3150.	2.575	34.903	238.5	2.318
30.	25.966	35.674	203.9	25.959	3200.	2.553	34.902	238.3	2.291
40.	21.867	35.707	190.5	21.859	3250.	2.537	34.901	238.2	2.270
50.	18.774	35.652	157.5	18.765	3300.	2.527	34.901	238.3	2.255
100.	15.540	35.594	106.5	15.525	3350.	2.511	34.899	238.5	2.235
150.	14.678	35.489	95.3	14.656	3400.	2.505	34.899	239.0	2.223
200.	14.164	35.420	90.8	14.134	3450.	2.493	34.898	239.4	2.206
250.	13.226	35.299	81.6	13.191	3500.	2.473	34.897	240.6	2.181
300.	12.058	35.150	93.8	12.019	3550.	2.454	34.896	241.7	2.157
350.	10.843	35.012	89.3	10.800	3600.	2.438	34.893	240.8	2.136
400.	8.623	34.781	61.0	8.580	3650.	2.421	34.891	240.3	2.115
450.	7.698	34.680	92.1	7.653	3700.	2.418	34.892	240.7	2.106
500.	6.501	34.550	139.2	6.455	3750.	2.395	34.889	241.0	2.078
550.	6.127	34.527	144.5	6.079	3800.	2.395	34.890	241.9	2.072
600.	5.809	34.512	133.9	5.757	3850.	2.387	34.888	242.3	2.059
650.	5.444	34.496	133.9	5.389	3900.	2.374	34.888	242.8	2.040
700.	5.010	34.481	141.8	4.954	3950.	2.366	34.887	242.9	2.027
750.	4.776	34.485	146.4	4.716	4000.	2.362	34.886	243.0	2.018
800.	4.618	34.500	144.9	4.555	4050.	2.346	34.885	243.4	1.997
850.	4.491	34.523	148.2	4.424	4100.	2.336	34.883	243.5	1.981
900.	4.413	34.549	151.1	4.342	4150.	2.327	34.882	243.8	1.966
950.	4.376	34.594	155.0	4.301	4200.	2.321	34.881	244.1	1.955
1000.	4.365	34.622	158.5	4.286	4250.	2.291	34.878	244.1	1.919
1050.	4.334	34.661	161.5	4.251	4300.	2.276	34.876	244.4	1.899
1100.	4.340	34.707	165.3	4.253	4350.	2.265	34.875	244.5	1.883
1150.	4.335	34.776	175.3	4.243	4400.	2.238	34.872	244.3	1.851
1200.	4.354	34.830	185.6	4.258	4450.	2.236	34.871	244.0	1.843
1250.	4.341	34.862	194.1	4.241	4500.	2.228	34.869	244.2	1.830
1300.	4.302	34.889	202.8	4.197	4550.	2.228	34.870	244.3	1.823
1350.	4.351	34.920	211.0	4.240	4600.	2.223	34.868	244.3	1.812
1400.	4.309	34.928	216.0	4.195	4650.	2.195	34.866	244.0	1.780
1450.	4.257	34.951	223.5	4.138	4700.	2.181	34.864	243.8	1.760
1500.	4.208	34.960	229.6	4.086	4750.	2.174	34.863	243.8	1.747
1550.	4.164	34.962	232.1	4.038	4800.	2.176	34.862	243.9	1.743
1600.	4.121	34.967	234.8	3.990	4850.	2.178	34.862	243.8	1.738
1650.	3.960	34.961	236.6	3.827	4900.	2.181	34.862	243.4	1.735
1700.	3.890	34.966	239.4	3.753	4950.	2.188	34.862	242.4	1.736
1750.	3.794	34.962	240.2	3.653	4972.	2.187	34.860	242.7	1.732
1800.	3.741	34.963	242.4	3.597					
1850.	3.680	34.966	246.0	3.531					
1900.	3.639	34.966	247.5	3.486					
1950.	3.608	34.966	249.0	3.451					
2000.	3.514	34.960	247.6	3.354					
2050.	3.409	34.952	245.1	3.246					
2100.	3.352	34.952	246.9	3.185					
2150.	3.304	34.948	246.7	3.133					
2200.	3.237	34.944	244.8	3.062					
2250.	3.182	34.942	243.9	3.003					
2300.	3.125	34.939	243.4	2.942					
2350.	3.083	34.936	242.7	2.896					
2400.	3.055	34.934	242.7	2.864					
2450.	3.021	34.930	240.7	2.826					
2500.	2.977	34.928	239.8	2.777					
2550.	2.934	34.926	240.7	2.731					
2600.	2.872	34.922	240.1	2.665					
2650.	2.841	34.920	240.2	2.629					
2700.	2.822	34.919	239.6	2.606					
2750.	2.793	34.917	239.6	2.572					
2800.	2.762	34.915	239.0	2.537					



Station 219

Station : 220	Campagne : CITHER1
Date : 14-03-93	Navire : L'ATALANTE
Profondeur: 4786 m	Organisme : IFREMER
Position : S 2 59.99	
W 3 49.98	

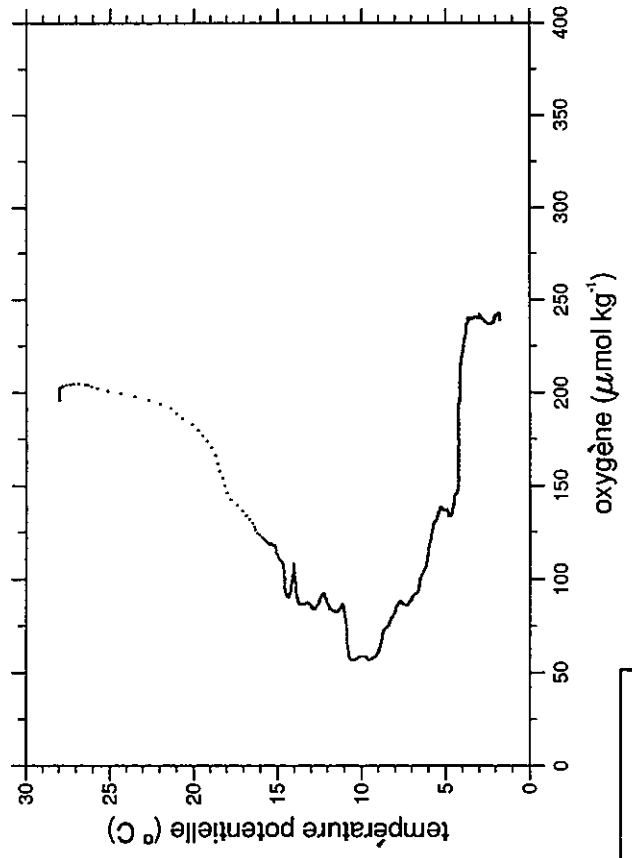
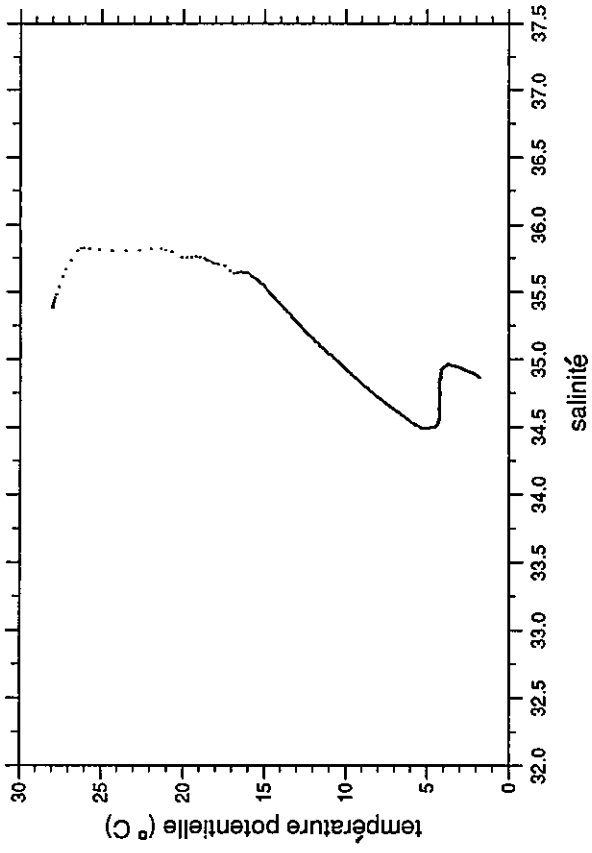
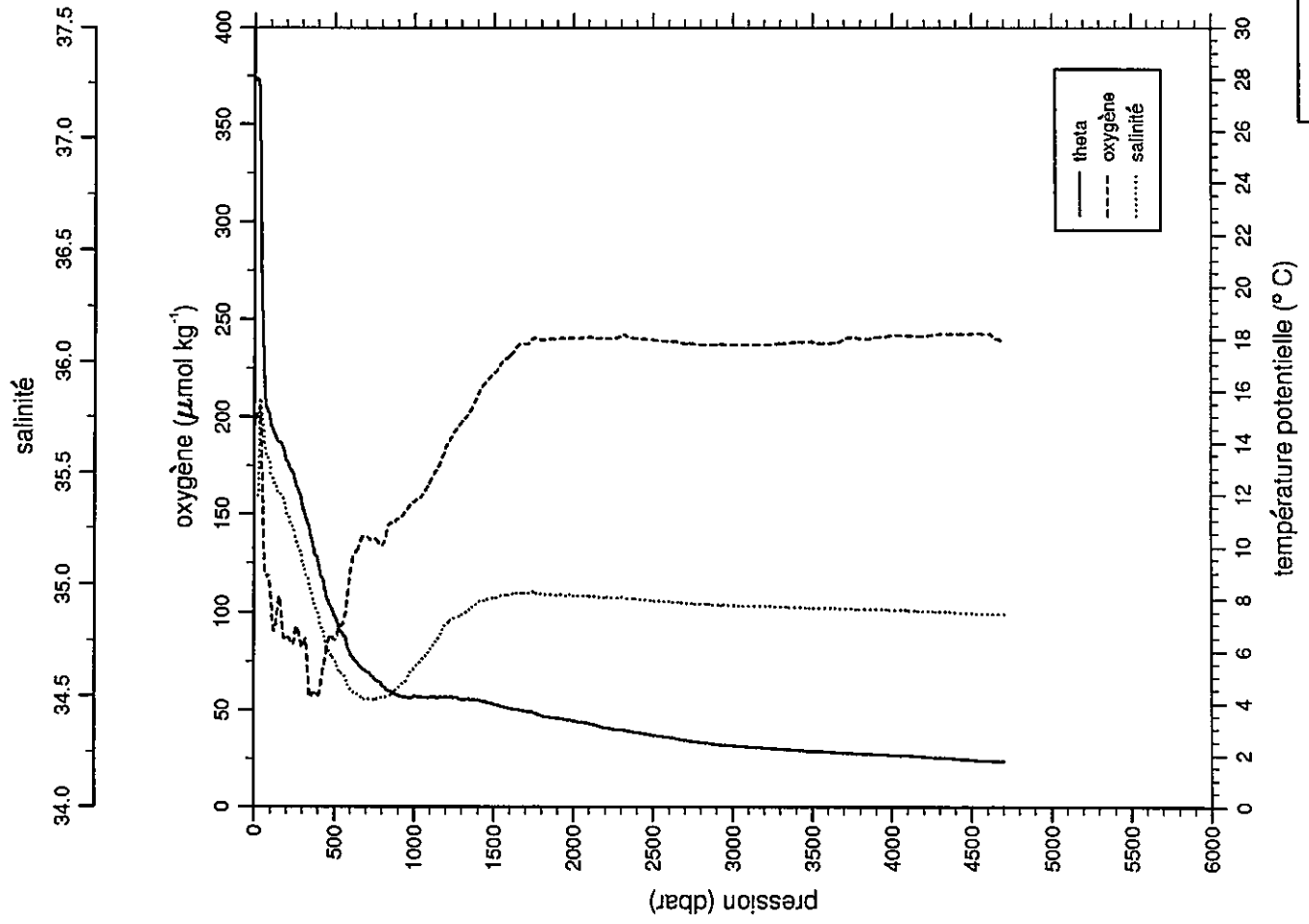
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.996	35.324	197.0	27.996	2850.	2.706	34.912	238.2	2.477
2.	27.996	35.324	196.0	27.996	2900.	2.664	34.909	237.4	2.431
3.	27.987	35.322	195.3	27.986	2950.	2.627	34.908	238.0	2.390
4.	27.988	35.322	195.4	27.987	3000.	2.605	34.906	237.4	2.362
5.	27.992	35.322	196.2	27.991	3050.	2.581	34.906	238.2	2.334
10.	28.000	35.325	198.6	27.998	3100.	2.564	34.904	238.5	2.312
20.	27.971	35.345	203.0	27.966	3150.	2.550	34.904	238.6	2.293
30.	27.394	35.576	208.2	27.387	3200.	2.547	34.904	238.7	2.286
40.	22.402	35.767	189.4	22.394	3250.	2.532	34.902	238.7	2.266
50.	17.784	35.694	150.5	17.776	3300.	2.527	34.901	238.6	2.255
100.	15.257	35.568	109.8	15.241	3350.	2.507	34.900	238.8	2.230
150.	14.710	35.494	112.5	14.688	3400.	2.483	34.898	238.9	2.202
200.	14.062	35.413	118.8	14.033	3450.	2.472	34.897	238.8	2.186
250.	13.113	35.288	94.9	13.078	3500.	2.466	34.897	239.2	2.175
300.	12.304	35.188	71.2	12.264	3550.	2.453	34.896	239.8	2.157
350.	10.774	35.004	75.1	10.731	3600.	2.446	34.896	240.4	2.144
400.	9.160	34.836	56.9	9.116	3650.	2.441	34.895	240.3	2.134
450.	7.900	34.710	64.9	7.854	3700.	2.421	34.893	240.3	2.109
500.	7.111	34.632	89.3	7.063	3750.	2.417	34.893	241.1	2.099
550.	6.676	34.595	93.9	6.625	3800.	2.406	34.892	241.4	2.083
600.	6.285	34.565	97.5	6.231	3850.	2.394	34.891	241.8	2.066
650.	5.754	34.518	121.0	5.698	3900.	2.384	34.890	242.2	2.051
700.	5.256	34.493	125.7	5.198	3950.	2.377	34.889	242.3	2.038
750.	4.979	34.487	135.4	4.918	4000.	2.371	34.887	242.5	2.026
800.	4.768	34.497	136.3	4.704	4050.	2.355	34.887	242.9	2.005
850.	4.595	34.504	141.0	4.528	4100.	2.345	34.885	243.2	1.989
900.	4.486	34.533	143.1	4.415	4150.	2.333	34.884	243.4	1.972
950.	4.376	34.565	150.3	4.302	4200.	2.313	34.882	243.2	1.947
1000.	4.365	34.627	156.3	4.287	4250.	2.304	34.881	242.8	1.932
1050.	4.346	34.674	161.0	4.263	4300.	2.278	34.878	243.1	1.901
1100.	4.322	34.710	164.3	4.235	4350.	2.256	34.875	242.8	1.874
1150.	4.333	34.785	175.8	4.241	4400.	2.246	34.874	243.3	1.858
1200.	4.356	34.820	184.6	4.259	4450.	2.228	34.872	243.4	1.835
1250.	4.335	34.856	192.5	4.234	4500.	2.219	34.871	243.3	1.820
1300.	4.316	34.886	200.3	4.211	4550.	2.209	34.870	243.3	1.805
1350.	4.296	34.905	207.7	4.187	4600.	2.204	34.868	243.2	1.794
1400.	4.256	34.933	216.4	4.142	4650.	2.195	34.867	243.2	1.779
1450.	4.212	34.939	221.4	4.094	4700.	2.198	34.867	243.3	1.776
1500.	4.081	34.944	224.6	3.960	4750.	2.196	34.866	243.2	1.768
1550.	4.015	34.946	227.3	3.890	4800.	2.195	34.866	243.0	1.761
1600.	3.947	34.948	229.6	3.819	4819.	2.197	34.866	242.3	1.761
1650.	3.857	34.953	233.2	3.724					
1700.	3.822	34.959	236.5	3.685					
1750.	3.775	34.960	239.1	3.634					
1800.	3.747	34.966	241.8	3.603					
1850.	3.704	34.967	245.0	3.555					
1900.	3.672	34.969	247.9	3.519					
1950.	3.585	34.965	248.2	3.429					
2000.	3.550	34.965	248.2	3.390					
2050.	3.481	34.962	248.8	3.317					
2100.	3.367	34.953	247.5	3.200					
2150.	3.323	34.951	246.2	3.152					
2200.	3.256	34.947	245.7	3.080					
2250.	3.163	34.941	243.6	2.984					
2300.	3.122	34.939	242.6	2.939					
2350.	3.087	34.937	242.4	2.900					
2400.	3.035	34.933	241.3	2.844					
2450.	2.976	34.928	239.9	2.782					
2500.	2.953	34.927	239.3	2.754					
2550.	2.928	34.926	239.0	2.725					
2600.	2.894	34.924	239.7	2.686					
2650.	2.864	34.922	240.2	2.652					
2700.	2.819	34.919	238.9	2.603					
2750.	2.775	34.915	238.2	2.555					
2800.	2.741	34.914	237.8	2.516					



Station 220

Station : 221	Campagne : CITHERR1
Date : 15-03-93	Navire : L'ATALANTE
Profondeur: 4683 m	Organisme : IFREMER
Position : S 3 30.00	
W 3 50.03	

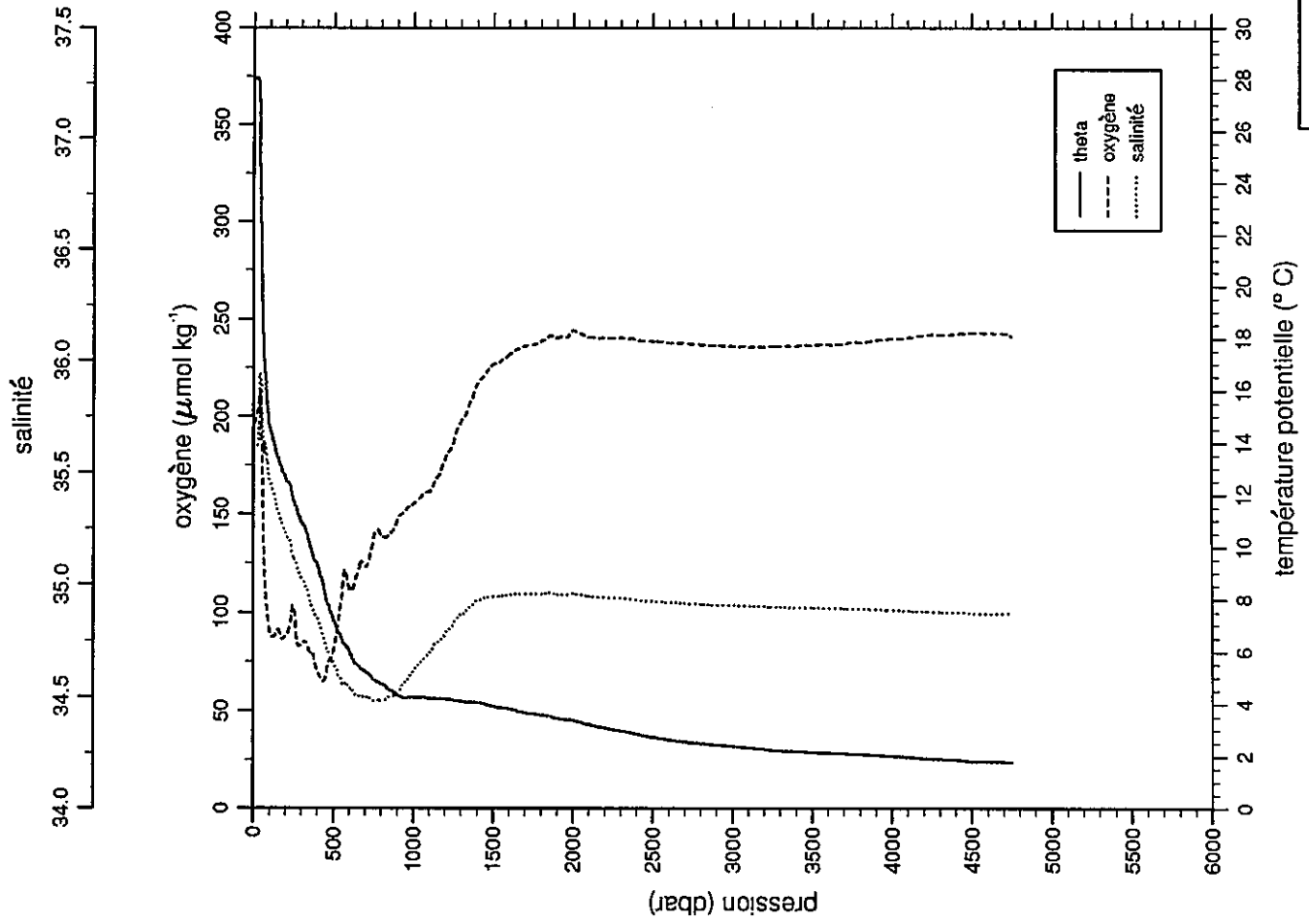
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.990	35.381	198.1	27.990	2850.	2.695	34.910	237.0	2.466
2.	27.990	35.381	196.9	27.990	2900.	2.657	34.907	237.0	2.424
3.	27.984	35.381	196.0	27.983	2950.	2.634	34.906	236.9	2.397
4.	27.984	35.381	196.3	27.983	3000.	2.610	34.904	237.0	2.368
5.	27.985	35.381	196.6	27.984	3050.	2.595	34.903	236.9	2.348
10.	27.994	35.381	199.2	27.992	3100.	2.568	34.902	237.0	2.316
20.	27.995	35.387	201.8	27.990	3150.	2.558	34.901	236.8	2.302
30.	27.392	35.614	204.5	27.385	3200.	2.543	34.901	236.9	2.281
40.	22.680	35.810	196.0	22.672	3250.	2.523	34.899	237.2	2.257
50.	18.684	35.746	166.3	18.675	3300.	2.509	34.899	237.5	2.238
100.	14.897	35.524	110.5	14.882	3350.	2.500	34.898	237.8	2.223
150.	14.070	35.412	105.0	14.048	3400.	2.486	34.898	238.3	2.205
200.	13.339	35.314	87.0	13.311	3450.	2.465	34.896	238.2	2.179
250.	12.687	35.232	86.1	12.653	3500.	2.457	34.895	238.3	2.166
300.	11.603	35.095	82.5	11.565	3550.	2.449	34.894	237.5	2.152
350.	10.547	34.985	56.7	10.504	3600.	2.435	34.893	237.6	2.134
400.	9.448	34.864	57.2	9.402	3650.	2.425	34.892	238.0	2.118
450.	8.233	34.733	79.7	8.186	3700.	2.409	34.892	240.0	2.097
500.	7.394	34.658	85.9	7.345	3750.	2.400	34.891	241.0	2.083
550.	6.744	34.602	93.1	6.693	3800.	2.389	34.888	240.1	2.066
600.	5.981	34.529	120.1	5.928	3850.	2.381	34.889	240.0	2.053
650.	5.586	34.502	132.5	5.530	3900.	2.380	34.888	240.8	2.046
700.	5.307	34.488	138.2	5.248	3950.	2.373	34.887	241.2	2.034
750.	5.038	34.485	137.0	4.977	4000.	2.362	34.886	242.0	2.017
800.	4.758	34.493	134.2	4.694	4050.	2.349	34.884	242.0	2.000
850.	4.531	34.502	145.0	4.464	4100.	2.342	34.884	241.8	1.987
900.	4.384	34.536	147.5	4.314	4150.	2.325	34.882	241.7	1.964
950.	4.309	34.570	151.3	4.235	4200.	2.318	34.881	241.6	1.952
1000.	4.339	34.622	156.0	4.261	4250.	2.300	34.879	242.2	1.928
1050.	4.307	34.666	159.3	4.224	4300.	2.295	34.878	242.6	1.918
1100.	4.306	34.707	166.2	4.219	4350.	2.271	34.876	242.8	1.889
1150.	4.291	34.749	173.4	4.200	4400.	2.255	34.874	242.9	1.867
1200.	4.329	34.817	183.8	4.232	4450.	2.235	34.871	242.7	1.842
1250.	4.323	34.847	191.8	4.222	4500.	2.226	34.870	242.9	1.827
1300.	4.268	34.864	197.0	4.164	4550.	2.207	34.869	243.0	1.802
1350.	4.268	34.886	202.6	4.159	4600.	2.202	34.867	242.6	1.792
1400.	4.247	34.916	210.8	4.133	4650.	2.191	34.866	240.1	1.776
1450.	4.182	34.932	217.9	4.065	4700.	2.194	34.866	239.1	1.772
1500.	4.112	34.938	222.0	3.990	4706.	2.195	34.865	239.4	1.773
1550.	4.025	34.949	227.9	3.900					
1600.	3.941	34.953	231.3	3.813					
1650.	3.908	34.961	236.2	3.775					
1700.	3.831	34.958	237.4	3.695					
1750.	3.792	34.963	240.3	3.651					
1800.	3.671	34.954	239.3	3.527					
1850.	3.605	34.953	240.0	3.457					
1900.	3.562	34.952	240.0	3.410					
1950.	3.526	34.950	239.9	3.370					
2000.	3.482	34.950	240.4	3.322					
2050.	3.438	34.948	240.5	3.274					
2100.	3.393	34.946	240.9	3.225					
2150.	3.310	34.942	240.3	3.138					
2200.	3.233	34.940	240.4	3.058					
2250.	3.180	34.939	240.5	3.001					
2300.	3.172	34.941	242.0	2.988					
2350.	3.119	34.936	240.7	2.932					
2400.	3.081	34.934	240.2	2.889					
2450.	3.030	34.931	240.0	2.834					
2500.	2.977	34.926	239.5	2.777					
2550.	2.949	34.925	238.9	2.745					
2600.	2.916	34.921	238.8	2.707					
2650.	2.859	34.918	238.3	2.647					
2700.	2.800	34.915	237.5	2.584					
2750.	2.756	34.912	237.4	2.536					
2800.	2.729	34.912	237.0	2.504					



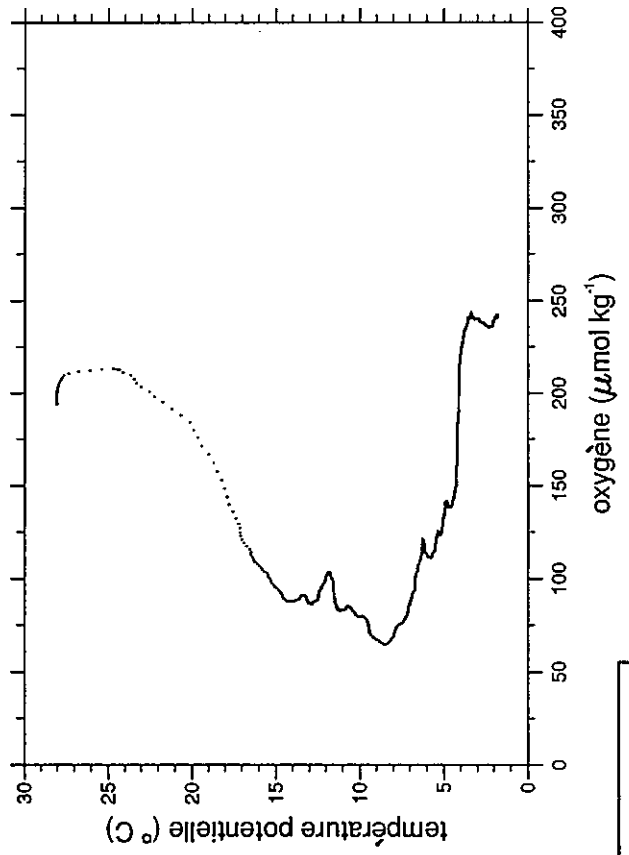
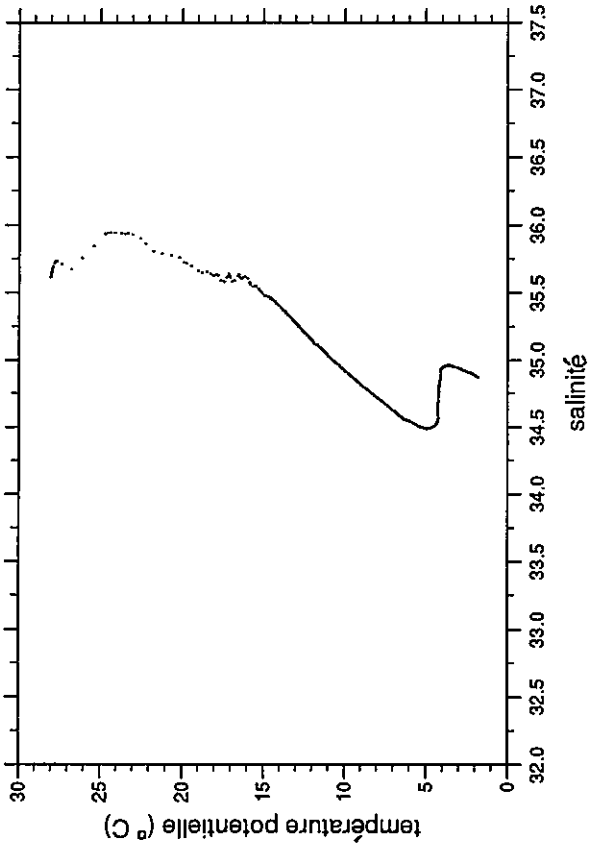
Station 221

Station : 222	Campagne : CITHER1
Date : 15-03-93	Navire : L'ATALANTE
Profondeur: 4711 m	Organisme : IFREMER
Position : S 3 59.98	
W 3 49.99	

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	28.052	35.612	196.5	28.052	2850.	2.695	34.910	236.5	2.466
2.	28.052	35.612	194.6	28.052	2900.	2.674	34.909	236.2	2.441
3.	28.052	35.612	193.7	28.051	2950.	2.656	34.908	236.1	2.418
4.	28.052	35.612	194.3	28.051	3000.	2.633	34.907	236.1	2.390
5.	28.052	35.612	195.1	28.051	3050.	2.610	34.906	235.9	2.362
10.	28.052	35.612	197.9	28.050	3100.	2.586	34.904	235.6	2.334
20.	28.053	35.613	201.3	28.048	3150.	2.567	34.903	235.8	2.310
30.	27.964	35.666	205.0	27.957	3200.	2.530	34.901	235.7	2.269
40.	24.705	35.932	213.3	24.696	3250.	2.506	34.900	236.0	2.240
50.	21.752	35.803	195.0	21.742	3300.	2.486	34.899	236.0	2.215
100.	14.630	35.466	91.1	14.615	3350.	2.479	34.898	236.2	2.204
150.	13.468	35.333	90.9	13.447	3400.	2.472	34.898	236.1	2.191
200.	12.661	35.229	87.8	12.634	3450.	2.459	34.897	236.4	2.173
250.	11.800	35.116	103.3	11.767	3500.	2.450	34.896	236.4	2.159
300.	10.984	35.027	83.0	10.947	3550.	2.441	34.895	236.8	2.144
350.	10.207	34.940	80.1	10.165	3600.	2.434	34.894	236.8	2.132
400.	9.389	34.853	70.0	9.344	3650.	2.421	34.893	236.9	2.114
450.	8.210	34.736	67.1	8.163	3700.	2.413	34.892	237.0	2.101
500.	7.265	34.646	80.1	7.217	3750.	2.408	34.891	238.2	2.091
550.	6.605	34.579	105.5	6.554	3800.	2.405	34.891	237.8	2.082
600.	6.028	34.542	112.2	5.975	3850.	2.390	34.890	238.3	2.062
650.	5.539	34.509	119.4	5.484	3900.	2.376	34.888	239.0	2.043
700.	5.313	34.500	123.5	5.254	3950.	2.364	34.887	239.3	2.025
750.	5.002	34.482	136.7	4.941	4000.	2.354	34.886	239.8	2.010
800.	4.832	34.486	139.2	4.768	4050.	2.336	34.884	239.9	1.987
850.	4.624	34.498	139.3	4.556	4100.	2.321	34.882	240.4	1.966
900.	4.414	34.522	146.5	4.344	4150.	2.305	34.881	241.0	1.945
950.	4.315	34.564	151.4	4.241	4200.	2.287	34.879	241.6	1.922
1000.	4.337	34.609	154.8	4.258	4250.	2.275	34.877	242.0	1.904
1050.	4.340	34.655	158.8	4.257	4300.	2.264	34.876	241.8	1.888
1100.	4.304	34.687	161.3	4.217	4350.	2.259	34.875	241.9	1.877
1150.	4.296	34.741	168.6	4.205	4400.	2.249	34.874	242.1	1.862
1200.	4.302	34.783	178.0	4.206	4450.	2.238	34.873	242.5	1.844
1250.	4.253	34.823	186.0	4.153	4500.	2.205	34.869	242.7	1.807
1300.	4.206	34.864	197.3	4.102	4550.	2.201	34.868	242.7	1.797
1350.	4.174	34.896	205.7	4.066	4600.	2.202	34.868	242.5	1.792
1400.	4.171	34.927	216.2	4.058	4650.	2.203	34.867	242.5	1.787
1450.	4.120	34.938	221.4	4.003	4700.	2.204	34.867	242.4	1.781
1500.	4.049	34.946	226.4	3.928	4747.	2.207	34.867	240.9	1.779
1550.	3.995	34.950	228.2	3.870					
1600.	3.950	34.954	231.3	3.821					
1650.	3.869	34.955	234.3	3.737					
1700.	3.815	34.956	236.0	3.679					
1750.	3.776	34.955	236.6	3.636					
1800.	3.733	34.957	238.3	3.589					
1850.	3.693	34.961	241.1	3.544					
1900.	3.610	34.955	240.3	3.457					
1950.	3.574	34.954	240.6	3.417					
2000.	3.550	34.958	243.9	3.389					
2050.	3.475	34.953	242.3	3.310					
2100.	3.386	34.946	240.6	3.218					
2150.	3.330	34.943	240.2	3.159					
2200.	3.273	34.941	240.5	3.098					
2250.	3.211	34.939	240.1	3.032					
2300.	3.153	34.937	240.3	2.969					
2350.	3.121	34.935	240.1	2.933					
2400.	3.053	34.931	239.2	2.862					
2450.	2.985	34.927	238.6	2.790					
2500.	2.944	34.924	238.4	2.745					
2550.	2.893	34.922	238.2	2.690					
2600.	2.846	34.919	237.6	2.639					
2650.	2.813	34.918	237.5	2.602					
2700.	2.781	34.916	237.4	2.565					
2750.	2.749	34.914	237.0	2.529					
2800.	2.726	34.913	236.7	2.501					

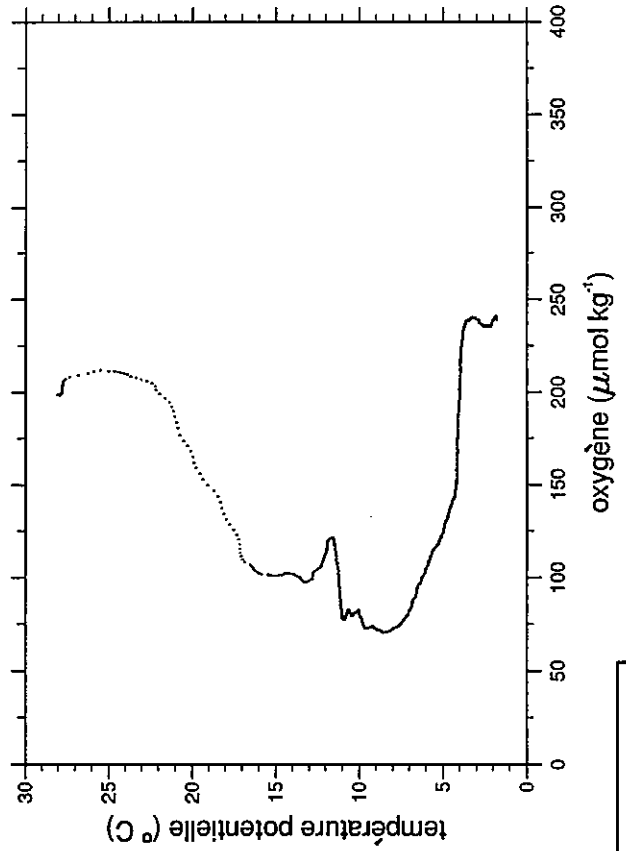
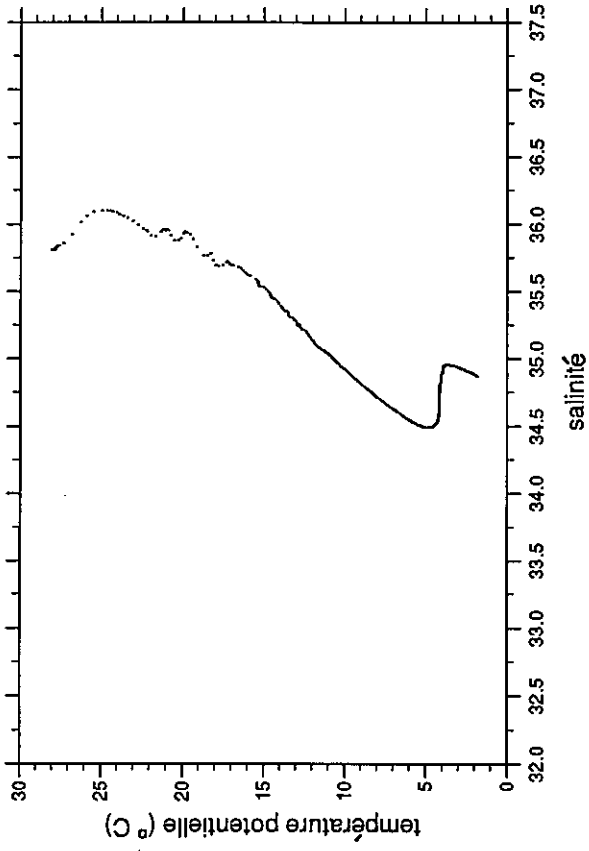
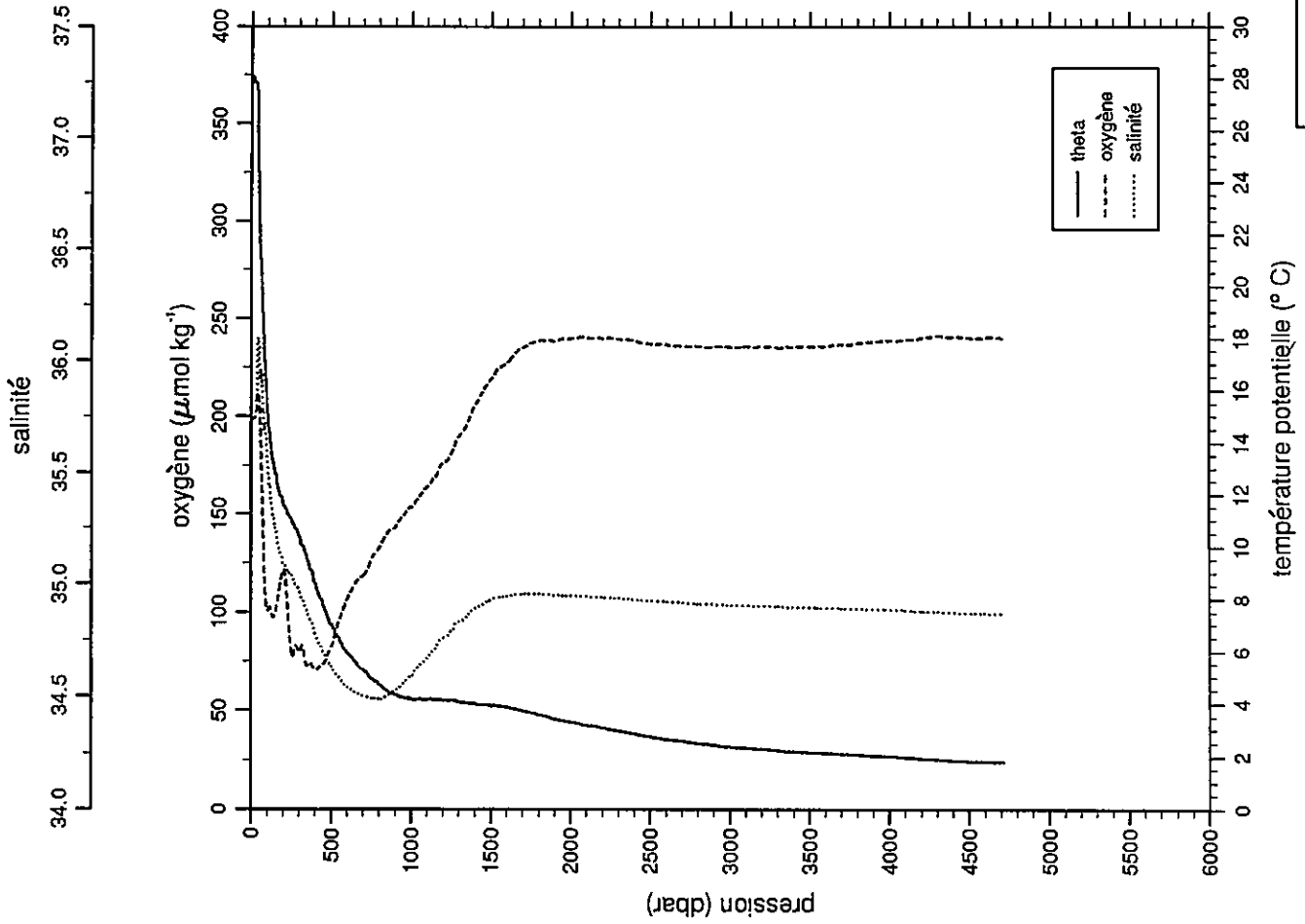


Station 222



Station : 223 Campagne : CITHER1
 Date : 15-03-93 Navire : L'ATALANTE
 Profondeur: 4726 m Organisme : IFREMER
 Position : S 4 30.01
 W 3 49.94

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.		um/kg	deg.cels.	dbar	deg.cels.		um/kg	deg.cels.
1.	27.927	35.811	198.9	27.926	2850.	2.706	34.911	235.3	2.477
2.	27.927	35.811	198.9	27.926	2900.	2.675	34.909	235.4	2.441
3.	27.927	35.811	198.9	27.926	2950.	2.632	34.907	235.9	2.394
4.	27.927	35.811	198.9	27.926	3000.	2.617	34.906	235.4	2.374
5.	27.927	35.811	198.9	27.925	3050.	2.599	34.906	235.2	2.352
10.	27.927	35.811	198.7	27.924	3100.	2.593	34.905	235.5	2.340
20.	27.851	35.814	199.2	27.846	3150.	2.574	34.904	235.4	2.317
30.	27.799	35.823	201.5	27.792	3200.	2.564	34.903	235.6	2.302
40.	25.912	36.064	211.3	25.903	3250.	2.537	34.901	235.7	2.271
50.	23.072	36.026	207.0	23.062	3300.	2.523	34.900	235.1	2.251
100.	15.357	35.558	101.0	15.342	3350.	2.489	34.898	235.7	2.213
150.	12.821	35.249	99.1	12.801	3400.	2.473	34.897	235.5	2.192
200.	11.634	35.087	121.6	11.609	3450.	2.466	34.896	235.7	2.180
250.	11.059	35.039	79.9	11.028	3500.	2.457	34.896	235.6	2.166
300.	10.429	34.965	79.6	10.393	3550.	2.450	34.895	235.8	2.153
350.	9.563	34.871	72.6	9.523	3600.	2.444	34.895	235.6	2.142
400.	8.637	34.777	70.4	8.594	3650.	2.434	34.894	236.4	2.127
450.	7.803	34.695	73.3	7.758	3700.	2.424	34.893	236.7	2.111
500.	7.093	34.632	81.8	7.045	3750.	2.417	34.892	236.6	2.099
550.	6.541	34.583	95.6	6.490	3800.	2.404	34.890	237.3	2.081
600.	5.978	34.539	106.4	5.925	3850.	2.390	34.890	237.7	2.061
650.	5.652	34.517	114.5	5.596	3900.	2.378	34.888	238.0	2.045
700.	5.333	34.502	118.3	5.274	3950.	2.371	34.887	238.3	2.033
750.	5.012	34.489	126.6	4.951	4000.	2.358	34.886	238.6	2.014
800.	4.780	34.489	132.5	4.715	4050.	2.348	34.885	238.7	1.999
850.	4.544	34.501	139.9	4.477	4100.	2.332	34.883	239.1	1.977
900.	4.396	34.525	142.6	4.326	4150.	2.313	34.881	239.3	1.953
950.	4.294	34.554	149.1	4.220	4200.	2.287	34.878	240.0	1.922
1000.	4.247	34.589	153.3	4.169	4250.	2.282	34.877	240.6	1.911
1050.	4.253	34.638	158.5	4.171	4300.	2.262	34.876	241.0	1.886
1100.	4.234	34.669	163.8	4.148	4350.	2.246	34.874	240.4	1.864
1150.	4.223	34.709	168.8	4.132	4400.	2.239	34.873	240.6	1.851
1200.	4.224	34.758	176.0	4.129	4450.	2.232	34.872	240.5	1.839
1250.	4.216	34.789	180.7	4.116	4500.	2.219	34.870	240.0	1.821
1300.	4.160	34.831	189.8	4.056	4550.	2.214	34.870	239.8	1.810
1350.	4.129	34.857	195.9	4.021	4600.	2.219	34.869	239.7	1.808
1400.	4.119	34.890	205.7	4.007	4650.	2.213	34.868	240.5	1.796
1450.	4.061	34.911	212.6	3.945	4700.	2.214	34.868	240.1	1.792
1500.	4.038	34.925	219.0	3.918	4718.	2.216	34.868	238.8	1.791
1550.	4.030	34.940	224.5	3.904					
1600.	3.990	34.944	227.4	3.861					
1650.	3.933	34.952	231.7	3.800					
1700.	3.860	34.954	235.1	3.723					
1750.	3.803	34.956	237.3	3.662					
1800.	3.729	34.955	238.5	3.584					
1850.	3.665	34.953	238.7	3.517					
1900.	3.581	34.948	238.3	3.429					
1950.	3.516	34.950	239.6	3.361					
2000.	3.470	34.948	239.6	3.310					
2050.	3.426	34.948	240.3	3.262					
2100.	3.353	34.944	240.3	3.186					
2150.	3.327	34.943	240.0	3.155					
2200.	3.260	34.939	239.7	3.084					
2250.	3.203	34.939	240.2	3.023					
2300.	3.153	34.936	239.4	2.970					
2350.	3.109	34.934	239.2	2.922					
2400.	3.057	34.931	238.9	2.866					
2450.	3.007	34.928	237.6	2.812					
2500.	2.950	34.925	237.0	2.751					
2550.	2.918	34.923	236.7	2.715					
2600.	2.858	34.919	236.7	2.651					
2650.	2.833	34.918	236.2	2.622					
2700.	2.805	34.917	235.9	2.589					
2750.	2.768	34.914	235.6	2.548					
2800.	2.732	34.912	235.6	2.507					



Station 223

