

ARCANE

Volume 1 : Campagne Arcane 98

N/O Thalassa (23 juin – 22 juillet 1998)

Rapport de données CTD- O₂





Résumé

Le projet ARCANE (Actions de recherche sur la Circulation dans l'Atlantique Nord-Est) a pour thématique la détermination des transports de masse, de chaleur et de sel dans la zone intergyre de l'Atlantique Nord-Est. Ses objectifs spécifiques sont l'étude expérimentale de la circulation océanique au voisinage de la pente continentale à l'Ouest et au Nord de la Péninsule Ibérique, et de la circulation et de la dispersion de l'Eau Méditerranéenne aux moyennes latitudes de l'Atlantique Nord-Est.

Il s'agit d'un projet commun entre le Centre Militaire d'Océanographie (CMO) du Service Hydrographique et Océanographique de la Marine (SHOM) et le Laboratoire de Physique des Océans (LPO), Unité Mixte de Recherche IFREMER/CNRS/UBO, dont la phase expérimentale s'est déroulée entre septembre 1996 et octobre 1999. Il a consisté en la mise à l'eau de flotteurs acoustiques, de type Marvor et Rafos et de bouées dérivantes, et en le maintien pendant une durée de 3 ans d'un réseau de sources acoustiques. La mise à l'eau de mouillages courantométriques, et des mesures d'hydrologie et de traceurs géochimiques ont été réalisées. Plusieurs campagnes sur des navires du SHOM et de l'IFREMER ont été conduites pour mener à bien le projet.

D'autres partenaires sont impliqués, comme:

- *le Laboratoire de Chimie Océanique (LCO) de l'UBO, pour les mesures géochimiques;*
- *l' « Instituto Hidrografico » (IH) de Lisbonne, pour des mesures de courantométrie eulérienne et d'hydrologie;*
- *l' « Empresa Publica Puertos del Estado » (EPPE) de Madrid, pour des mesures de niveaux de la mer et de courantométrie eulérienne.*

La campagne ARCANE 3 s'est déroulée en deux legs, du 12 au 17 mai (leg 1) et du 23 juin au 21 juillet 1998 (leg 2) sur le N/O Thalassa. Ce rapport présente les mesures d'hydrologie (pression, température, salinité et oxygène dissous) réalisées par bathysonde lors de 101 stations effectuées entre les latitudes 39°N et 47°N, et les longitudes 004°W et 022°W. Les résultats des autres activités entreprises lors de cette campagne (courantométrie eulérienne et lagrangienne, mesures de traceurs géochimiques) feront l'objet de rapports ultérieurs.

Abstract

The Research Project ARCANE (Actions de Recherche sur la Circulation dans l'Atlantique Nord-Est) is designed to determine the transport of mass, heat and salt in the intergyre region of the North-East Atlantic. The specific objectives are the experimental study of the oceanic circulation in the neighbourhood of the Iberian Peninsula Continental Slope and of the circulation and dispersion of the Mediterranean Water in the North-East Atlantic. It is a joint project between the Centre Militaire d'Océanographie (CMO) of the Service Hydrographique et Océanographique de la Marine (SHOM) and the Laboratoire de Physique des Océans (LPO, Unité Mixte de Recherche IFREMER/CNRS/UBO), and took place between September 1996 and October 1999. Acoustic floats, of Marvor and Rafos types, drifting buoys have been deployed. An acoustic sources network was maintained during 3 years. Currentmeter moorings and hydrological and geochemical tracers studies have been carried out. Several cruises on SHOM and IFREMER vessels have been conducted.

Other partners are involved in the project:

- *the Laboratoire de Chimie Océanique (LCO/UBO), for geochemical measurements;*
- *the « Instituto Hidrografico » (IH) from Lisbon, for eulerian currentmeter and hydrological measurements;*
- *the « Empresa Publica Puertos del Estado » (EPPE) from Madrid, for sea level and eulerian currentmeter measurements.*

The ARCANE 3 cruise took place in two legs (leg 1: 12-17 May; leg 2: 23 June-21 July 1998) onboard R/V Thalassa. This report presents the CTD-O2 measurements collected during 101 stations carried out between latitudes 39°N and 47°N, and longitudes 004°W and 022°W. Results from other activities conducted during the cruise (eulerian and lagrangian measurements, tracer studies) will be presented in subsequent reports.

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I. Le Projet ARCANE

Le projet ARCANE (*Actions de Recherche sur la Circulation dans l'Atlantique Nord-Est*) a pour thème l'étude des circulations sur la pente continentale et dans la zone intergyre de l'Atlantique Nord-Est (40°-50°N, 25°W- pente continentale)

Il s'agit d'une coopération SHOM-IFREMER-CNRS-UBO sur la période 1996-2000.

Les éléments de présentation ci-après sont développés dans le dossier scientifique (Le Cann et al., 1994) et les dossiers de demande de campagne à la mer (Le Cann, 1995, 1996, 1997).

Nous renvoyons aussi aux rapports précédents (Le Cann et al, 1998*a* et *b*) pour précisions.

I.1. Etude de la dynamique du système de courants sur la pente continentale à l'Ouest et au Nord de la Péninsule Ibérique

L'accent est porté sur les masses d'eaux superficielles (Eau Centrale Nord-Atlantique, NACW) et intermédiaires (Eau Méditerranéenne, MW). Les études récentes ont montré l'existence de veines d'eau de moyenne échelle, aux niveaux MW et NACW, qui s'écoulent généralement "vers le pôle" sur la pente continentale. Le courant affectant l'Eau Centrale est maximum en automne-hiver (Pingree and Le Cann, 1990). Au niveau de l'Eau Méditerranéenne, semblent exister plusieurs branches de circulation qui ont été étudiées par Daniault et al. (1994). Une de ces branches intéresse la pente continentale et présente des fluctuations temporelles complexes. Ces écoulements sur la pente continentale sont affectés d'instabilités et peuvent donner naissance à de grandes lentilles anticycloniques, appelées MEDDIES (MEDiterranean edDIES) dans le cas de l'Eau Méditerranéenne (Armi and Zenk, 1984 ; Pingree and Le Cann, 1993*a* and *b*, Paillet et al, 1999) et SWODDIES (Slope Water Oceanic edDIES) dans le cas de l'Eau Centrale Nord Atlantique (Pingree and Le Cann, 1992*a* and *b*).

Des mouillages courantométriques sur une durée de 3 ans doivent permettre la détermination des échelles d'espace et de temps, et de mesurer le transport, les structures verticale et horizontale des courants sur la pente continentale et en son voisinage. Deux mouillages sous responsabilité CMO ont été mis en place sur la pente continentale devant Vigo (immersions nominales des courantomètres : 150, 450, 750, 1000, 1500 m). Quatre mouillages (trois sous responsabilité LPO, un sous responsabilité CMO) ont été mis en place sur la pente continentale du promontoire Ortegale et en son voisinage (immersions nominales des courantomètres : 150, 450, 750, 1000, 1500, 3000 m). Les résultats relatifs à ces mesures feront l'objet de rapports particuliers.

Des lâchers de plates-formes lagrangiennes (flotteurs de subsurface de type Rafos ballastés

Des lâchers de plates-formes lagrangiennes (flotteurs de subsurface de type Rafos ballastés pour des profondeurs nominales de 450, 1000 et 1500 dbars, bouées dérivantes équipées d'ancres flottantes à 150 m) ont permis la détermination des chemins suivis par les masses d'eaux, de leur mélange et de leur dispersion, et d'assister à la naissance d'instabilités de type MEDDY ou SWODDY. Ces lâchers ont eu lieu au-dessus de la pente continentale. Un réseau de sources acoustiques a permis le suivi des flotteurs de subsurface.

Les études eulériennes et lagrangiennes évoquées ci-dessus nécessitent une connaissance précise de l'hydrologie de la région. Pour ce faire, des mesures de type CTDO₂, XBT/XCTD, LADCP et de prélèvements de traceurs (CFC) ont été prévues.

I.2. Étude de la circulation et de la dispersion de l'Eau Méditerranéenne dans l'Atlantique Nord-Est

A grande échelle, l'Eau Méditerranéenne s'écoule sous forme d'un panache dans l'Atlantique Nord-Est. De nombreuses études ont été menées sur la branche principale Sud de ce panache. Le projet ARCANE a pour objectif la mesure directe de la circulation lagrangienne et de la dispersion dans la partie Nord de ce panache (40-50°N, 25°W-pente continentale). Ces mesures ont été réalisées à l'aide de flotteurs MARVORs, lâchés en automne 1996 dans l'Atlantique Nord-Est, principalement au niveau 1000 dbars. Des flotteurs ont été lâchés à 450 dbars (Eau Centrale) et à 1500 dbars (Eau Méditerranéenne profonde). En 1997 et 1998 certains de ces flotteurs ont été volontairement lâchés dans des structures tourbillonnaires cohérentes de type MEDDY ou SWODDY.

Le projet ARCANE est coordonné avec le projet EUROFLOAT qui a déployé 21 MARVORs à 1750 dbars, au niveau de l'Eau du Labrador et avec le projet CAMBIOS (Gaillard et al, 1999), qui a étudié la partie sud du panache d'eau Méditerranéenne.

II. La campagne ARCANE 1998

La campagne ARCANE 98 sur le N/O THALASSA se place dans le contexte du projet ARCANE décrit au paragraphe précédent. Elle s'est déroulée en deux legs :

- *Lisbonne (12 mai 1998) – Brest (17 mai 1998)*
Ce leg était principalement consacré au renouvellement de trois mouillages courantométriques sous la responsabilité du LPO (Fig. II.1.a). Sept stations CTD/O₂ ont été réalisées.
- *Saint-Nazaire (23 juin 1998) – Brest (21 juillet 1998)*
Ce leg était principalement consacré à des mesures hydrologiques dans la zone intergyre. Trois radiales plus ou moins zonales avaient été définies (Fig. II.1.b). Ces radiales ont été fermées à l'ouest et sur la pente continentale. Des structures particulières (pente continentale, meddies) ont été plus spécialement étudiées et des instruments lagrangiens (7 Rafos, 3 bouées dérivantes de type Surdrift) y ont été mouillés. Les mesures hydrologiques collectées sont de type CTD-O₂, traceurs (Fréons), sels nutritifs. Lors de stations hydrologiques, des profils de type LADCP ont été recueillies. Entre stations, il a été procédé à des tirs d'XBT ou d'XCTD. Une opération non prévue (récupération d'un mouillage courantométrique du SHOM au nord-ouest du Cap Ortegal) a été réalisée.
Lors des deux legs de mesures en route (VM-ADCP, météorologie, thermosalinométrie) ont été collectées.

Le présent rapport concerne les mesures de CTD-O₂, les autres mesures feront l'objet de rapports particuliers. Les noms et affiliations de l'ensemble du personnel scientifique ayant embarqué lors de la campagne sont listés dans le tableau II.1.

Les significations des acronymes utilisés dans le texte sont les suivants :

CMO	Centre Militaire d'Océanographie – EPSHOM/Brest
EPPE	Empresa Publica Puertos del Estado – Madrid/Espagne
EWSTC	European Week for Scientific and Technological Communication
GENAVIR	Groupement pour la Gestion des Navires Océanographiques
IH	Instituto Hidrografico – Lisbonne/Portugal
LOC	Laboratoire d'Océanographie Chimique – UBO/Brest
LPO	Laboratoire de Physique des Océans – Ifremer/Brest
SISMER	Systèmes d'Informations Scientifiques pour la Mer
TMSI	Technologie Marine et Systèmes d'Information

ARCANE 3 Leg 1 (12 - 17 Mai 1998)

- CTD
- ★ XBT / XCTD
- Mouillage Courantométrique

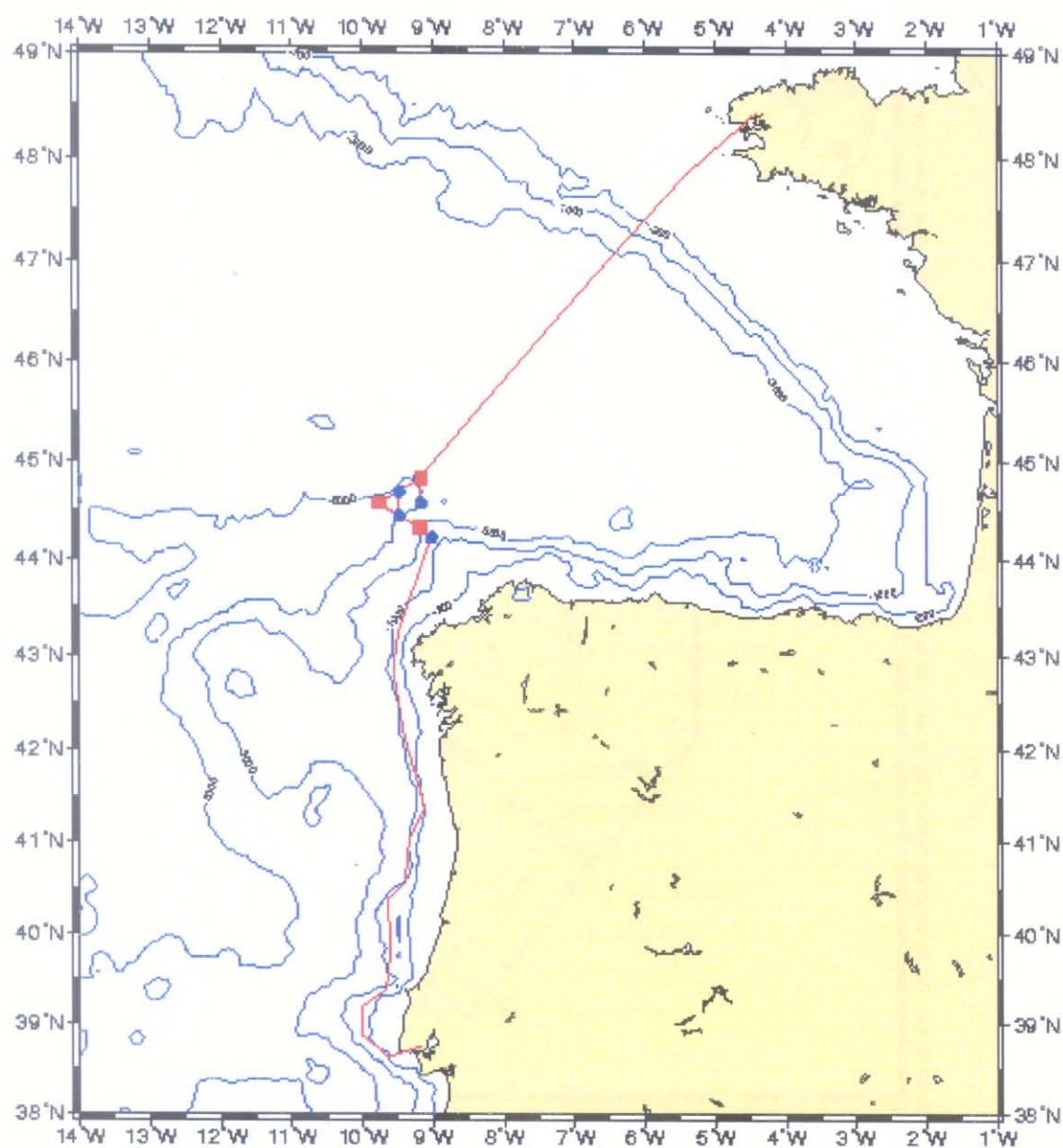


Figure II.1.a

ARCANE 3 Leg 2 (23 Juin - 21 Juillet 1998)

- CTD
- ★ XBT / XCTD
- Mouillage Courantométrique
- ▲ Flotteur Subsurface / Bouée Dérivante

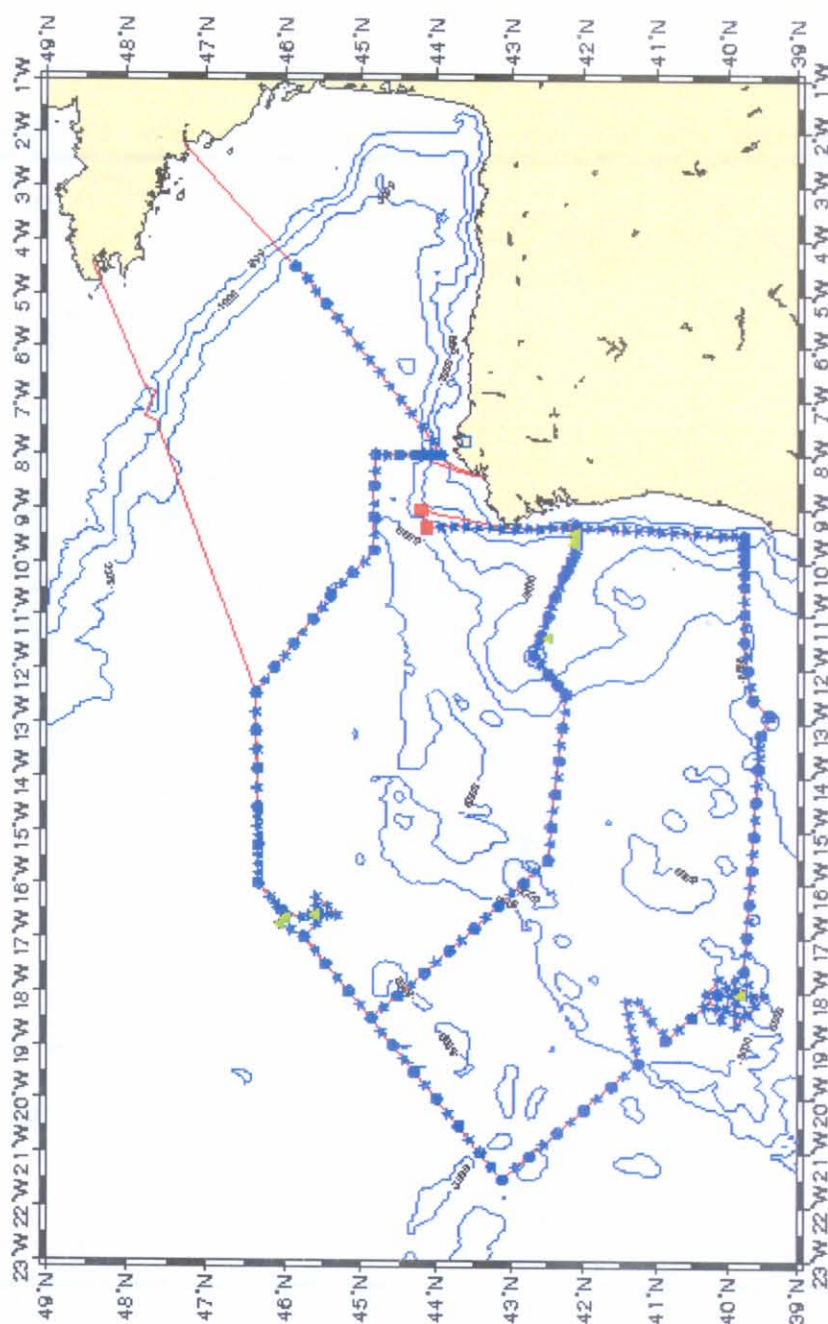


Figure II.1.b

Liste des participants

Institution	Nom	Fonction	Leg 1	Leg 2
CNRS LPO	LE CANN Bernard	Chef de mission	X	X
	FAISANT Alain	Traitement VM-ADCP		X
Ifremer LPO	TERRE Thierry	Quart CTD	X	
	PÉDEN Olivier	Mouillages	X	
	GOUILLOU Jean-Pierre	Resp CTD	X	
	HESLOIN Gérard	Mouillages	X	
	BRANELLEC Pierre	Quart CTD / Analyses S+O ₂	X	X
	LEIZOUR Stéphane	Mouillages / Quart CTD	X	X
	REGNAULT Jean-Pierre	Quart CTD	X	
	LAGADEC Catherine	Quart CTD		X
	LE BOT Philippe	Quart CTD		X
		CORTÈS Norbert	Quart CTD	
UBO LPO	GIRARDOT Jean-Pierre	Quart CTD		X
	POUS Stéphane	Traitement VM-ADCP		X
	BOUCHARD Alban	Analyses Oxygène		X
CNRS LOC	MORIN Pascal	Sels nutritifs		X
UBO LOC	PRUVOST Jacques	Traceurs chimiques		X
Ifremer TMSI	PERSON Eugène	Mouillages	X	
Ifremer SISMER	PITEL Mathilde	Quart CTD		X
EPSHOM CMO	SERPETTE Alain	XBT/ Analyses	X	X
	PAILLET Jérôme	Quart CTD		X
	LABASQUE Thierry	Traceurs chimiques		X
	BARONNET Eddy	Traceurs chimiques		X
	FERREIRA David	Quart CTD		X
Stage EWSTC	BARETO Isabelle	Observateur	X	
	VANLERBERGHE Cyrille	Observateur	X	
IH	CLEMENTE Catarina	Quart CTD		X
Univ Açores	SEQUEIRA Sandra	Analyses Salinité		X
	CARVALHO Maria	Sels nutritifs		X
GENAVIR	ALLENOU Jean-Paul	Technologie	X	
	PETIT DE LA VILLEON L.	Technologie	X	
	VIOLLETTE Pascal	Technologie	X	
	JANNEZ Michel	Electronicien	X	
	LOUZAOUEN Serge	Electronicien		X

Tableau II.1

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-campagnes des bathysondes ont été réalisés au Laboratoire de Métrologie du Centre de Brest d'Ifremer par M. Cambon. Après la campagne, la calibration et la validation des données ainsi que la préparation de ce rapport ont été assurées par A. Billant et P. Branellec. J. Le Gall et C. Canaux ont assuré la frappe du texte de ce rapport.

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III. CALIBRATION DES MESURES CTD-O₂

André Billant et Pierre Branellec
Laboratoire de Physique des Océans

III.1 Acquisition des données CTD-O₂

III.1.1 Déroulement de la campagne

La campagne ARCANE 98 s'est déroulée en deux parties bien distinctes. Une première partie faisait suite à la campagne CAMBIOS 98 entre Lisbonne et Brest (10 au 17 mai 1998) : elle a été mise à profit pour remplacer les trois mouillages qui ont été maintenus pendant trois années dans le cadre du projet ARCANE. Les stations 1 à 7 ont été effectuées au cours de cette première partie.

La suite de la campagne (stations 8 à 101) a été effectuée à bord du même navire THALASSA entre Saint-Nazaire et Brest du 23 juin au 22 juillet 1998. Il était projeté de réaliser un réseau d'hydrologie à l'ouest de la péninsule ibérique jusqu'à une longitude de 22°W, entre les latitudes 40°N et 46°N, de manière à fermer deux "boîtes" imbriquées l'une dans l'autre. Le réseau a été parcouru en séparant les stations d'une distance typique de 30 milles.

Pour accomplir ce réseau, il a été nécessaire d'utiliser les deux sondes Neil-Brown MARK 3B dont nous disposons au laboratoire (numéros de série 2521 et 2782). La sonde 2782 a été utilisée en début de campagne jusqu'à la station 55 incluse. Un incident sur le capteur d'oxygène en début de station 56 oblige à utiliser la sonde 2521. Le profil de la station 56 montre que le capteur dont est équipée la sonde 2521 est de mauvaise qualité. Il est alors décidé de monter un nouveau capteur sur la sonde 2782 et d'utiliser cet ensemble pour la station 57 et les suivantes. Une dégradation prématurée de ce nouveau capteur est constatée au fil des stations, ce qui oblige à monter un quatrième capteur sur la sonde 2521 et d'utiliser cet ensemble après la station 71 (stations 72 à 101).

A chaque station, les profils CTD-O₂ sont réalisés entre la surface et le fond. Le câble électroporteur est déroulé puis enroulé à une vitesse de 1 mètre par seconde (0.5 m/s pour les 100 mètres de surface). Au cours de la remontée le treuil est stoppé aux niveaux de fermeture des bouteilles de prélèvement. L'approche du fond est contrôlée à l'aide d'un pinger embarqué dans le châssis de la sonde et d'un contacteur de fond qui déclenche un signal sonore au contact du fond. La conjugaison de ces deux instruments a permis de réaliser les profils jusqu'à environ 15 mètres du fond.

Outre ces instruments, un ADCP (Acoustic Doppler Currentmeter Profiler) est embarqué dans le châssis pour obtenir des profils verticaux de vitesse du courant.

La *figure III-1* présente la position géographique des stations de la campagne ARCANE 98.

III.1.2 Traitement des données

Les signaux de la sonde CTD-O₂ sont transmis au système d'acquisition d'hydrologie du Laboratoire de Physique des Océans (L.P.O.). Ce système, conçu autour d'une station de travail UNIX, permet en temps réel de visualiser les différents paramètres mesurés et calculés sur les profils tout en contrôlant la qualité du signal transmis par la sonde. L'ensemble des données transmises par la sonde à la cadence de 32 cycles par seconde est sauvegardé sur disque. Après chaque station, un programme de traitement permet d'obtenir un profil de données réduites et validées tous les décibars selon une procédure décrite dans Billant (1985 et 1987). La validation consiste à comparer chaque paramètre d'un cycle à sa valeur au cycle précédent : le cycle est éliminé si la nouvelle valeur diffère de la précédente de :

0.5 dbar en pression (P),

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

0.032 mmho/cm pour $0 < P < 1500$ dbar ou 0.005 mmho/cm à $P > 1500$ dbar 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 de 1 dbar (32 pour un profil réalisé à un mètre par seconde). L'état de la mer a été très favorable au cours de cette campagne, ce qui donne un taux de perte des niveaux moyennés proche de zéro en général : il est toujours inférieur à 0.5 %.

Les mesures de pression, de température, de conductivité et d'oxygène dissous ont été exploitées sur le profil descente de la sonde, sauf pour quelques stations particulières identifiées au *chapitre V* de ce rapport.

III.2 Échantillonnage en mer

La rosette de prélèvement PASH 6000 utilisée a été 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. Le nombre de bouteilles est limité à 30 lorsque le châssis est équipé d'un ADCP.

Les bouteilles 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 toutes les masses d'eau, 16 bouteilles ont été systématiquement fermées à chaque station, et les 30 bouteilles ont été déclenchées à une station sur deux.

La *figure III-2* présente l'ensemble des niveaux de prélèvement de la campagne ARCANE 98.

Dès la remontée en surface, les échantillons sont recueillis dans chaque bouteille. Ils serviront pour les différentes analyses effectuées à bord : Fréon, oxygène dissous, salinité, et sels nutritifs. 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 30.

Les 101 stations de la campagne ont permis de mesurer la salinité sur 1873 échantillons et l'oxygène dissous sur 1856 échantillons à bord du navire.

Pour estimer l'erreur sur les méthodes analytiques, des doublets ont été effectués sur quelques stations en déclenchant la fermeture de deux bouteilles au même niveau de prélèvement. Nous disposons ainsi de 35 doublets en salinité et 36 doublets en oxygène.

III.3 Analyse des échantillons de salinité et d'oxygène dissous

III.3.1 Salinité

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

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 132 ($K15 = 0.99993$) fabriquées à WORMLEY le 9 avril 1997 : pendant toute la campagne, 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 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.

Tous les échantillons de la campagne ont été analysés avec le même salinomètre de type PORTASAL. La stabilité de l'appareil a été satisfaisante pendant la durée de la campagne.

La *figure III-3* montre les écarts de salinité obtenus sur les doublets de la campagne : ils ont été réalisés à tous les niveaux de prélèvement. L'écart-type calculé sur les 35 doublets est de 0.0020.

III.3.2 Oxygène dissous

Pour l'analyse d'oxygène dissous, les échantillons sont recueillis dans des flacons à bouchon plongeur de 120 ml. Après remplissage du flacon, la température de l'échantillon est notée 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. Dès que les prélèvements sont effectués, les flacons sont retournés un à un pour remettre en suspension le précipité. Les échantillons sont entreposés dans le conteneur laboratoire à la température de $20 (\pm 1)^\circ\text{C}$ puis analysés dans un délai de 4 à 24 heures.

Les conditions opératoires et la méthode d'analyse sont conformes aux recommandations de WOCE (WOCE Opérations 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 : sa 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 0.020000. La même solution référence d'iodate a été utilisée pour les 4 campagnes CAMBIOS et ARCANE en 1997 et 1998.

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 de la détermination automatique du point d'inflexion sur la courbe de potentiel à l'équivalence.

La *figure III-4* montre les écarts obtenus entre les mesures sur les 36 doublets : l'écart-type est de 0.017 ml/l

III.4 Étalonnage de la mesure de pression sur les profils CTD

Les deux sondes utilisées sont équipées d'un capteur de pression de type Paine dont la résolution est de 0.1 dbar et, d'après le constructeur, la précision de ± 6.5 dbar.

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 ± 0.75 dbar au niveau 6000 dbar.

III.4.1 Étalonnage du capteur dans les conditions du laboratoire à 20°C

Chaque étalonnage au laboratoire est constitué de trois cycles de montée et descente en pression, par paliers successifs de 400 dbar, de 0 à 6000 dbar. Ces mesures sont réalisées à la température du laboratoire, soit $20 \pm 1^\circ\text{C}$.

La sonde 2782 utilisée préférentiellement a donc subi ces séries d'essais à deux reprises en 1997 et à trois reprises en 1998. Les mesures ont confirmé l'excellente stabilité du capteur pendant cette période. Un polynôme de degré 2, calculé d'après les étalonnages de 1997, est utilisé pour corriger l'indication du capteur en 1998 : sur les deux types de profil (descente ou montée de la sonde) : l'erreur reste inférieure à 1 dbar.

La sonde 2521 utilisée en rechange de la précédente a subi l'étalonnage avant et après les campagnes de 1998. Les polynômes de correction appliqués à chaque type de profil donnent une erreur inférieure à 1 dbar.

III.4.2 Influence de la température sur le capteur de pression

Le capteur de pression est soumis à un double effet de la température : la température statique et un effet dynamique lié aux variations brutales de température. Ces effets et la prise en compte de leur incidence sur la réponse du capteur sont expliqués dans le rapport de la campagne ARCANE 97. Cette double correction, spécifique à chaque capteur, a été appliquée de la même manière, et pour une même amplitude, aux mesures d'ARCANE 97 et ARCANE 98.

III.4.3 Correction de la mesure de pression sur les profils CTD et au niveau des prélèvements

Après correction de l'indication du capteur de pression à la température du laboratoire soit 20°C, on ajoute successivement la correction liée à l'effet statique puis celle associée à l'effet dynamique. Ces corrections sont appliquées à chaque type de profil (descente ou montée). Le résultat de ces trois corrections fournit une série de points expérimentaux, séparés de 400 dbar, qui permettent d'appliquer une correction globale à l'indication du capteur de pression enregistrée sur les profils CTD. Ces points expérimentaux, obtenus pour chaque sonde et présentés aux *figures III-5 et 6*, permettent de calculer les coefficients d'un polynôme de degré 5 qui corrige la valeur de la pression enregistrée en temps réel sur les deux types de profil.

On constate que la correction globale de l'indication brute des deux capteurs reste inférieure à 6.0 dbar.

III.4.4 Vérifications de la mesure de pression CTD

L'indication du capteur de pression CTD était relevée à différents niveaux, à chaque station de manière à établir des comparaisons avec d'autres types de mesures.

III.4.4.1 Suivi du capteur de pression en surface

Les niveaux de pression obtenus en surface (en sortie du programme de réduction des données), en début de profil descente et en fin de profil montée, sont portés au fil des stations sur la *figure III-7*. La correction de la mesure de pression, résultant de l'application du polynôme spécifique à chaque sonde, est portée sur les figures. On observe que la hauteur d'eau au-dessus du capteur (de 2 à 4 mètres en début de descente et 1 à 3 mètres en fin de montée) est tout à fait compatible avec l'immersion réelle du capteur en surface.

III.4.4.2 Comparaison avec la ligne filée du câble électroporteur

La longueur du câble filé à chaque station est comparée à l'immersion maximale du capteur. L'immersion est déduite de la mesure de pression du capteur après correction.

Cette comparaison est particulièrement intéressante car les moyens de navigation de THALASSA et un état de mer très favorable permettent de tenir la station quasiment au point fixe et de maintenir une bonne verticalité du câble.

La *figure III-8* montre que l'écart entre la longueur filée et l'immersion du capteur est inférieur à 5 mètres pour 66% des stations et inférieur à 10 mètres dans 86% des cas.

III.4.4.3 Comparaison avec l'indication du sondeur

L'information "sonde" est obtenue en début de station avec un sondeur SIMRAD de type EK 500. La même dalle acoustique étant utilisée pour l'écoute du pinger, il n'est pas possible d'avoir l'information du sondeur lorsque la bathysonde est au voisinage du fond : les deux informations sont donc "différées". La valeur "sonde" obtenue à bord résulte de l'adoption d'une vitesse du son égale à 1515 m/s (valeur moyenne réelle pour une profondeur de 5250 mètres). Le pinger embarqué dans le châssis de la bathysonde permet de connaître la distance entre le capteur de pression et le fond en fin de profil descente.

La comparaison effectuée entre ces deux types de mesures donne des écarts présentés à la *figure III-8*. Il s'agit des écarts entre :

- d'une part, l'immersion du capteur de pression, déduite de la mesure de pression corrigée, additionnée de la distance qui le sépare du fond,
- d'autre part, l'indication brute du sondeur obtenue à bord (S_b) corrigée en utilisant un profil moyen de vitesse du son dans la zone additionnée de 5 mètres (immersion de la dalle acoustique du navire).

La sonde corrigée (S_c) est obtenue en appliquant la formule suivante à l'indication brute du sondeur (S_b) :

$$S_c = -1.22 * 10^{-13} * S_b^4 + 2.12 * 10^{-9} * S_b^3 - 8.20 * 10^{-6} * S_b^2 + 1.00224 * S_b + 5$$

On observe que ces écarts sont répartis de part et d'autre d'une valeur nulle : 50 % des stations présentent des écarts inférieurs à ± 5 mètres et dans 82 % des cas, ces écarts sont inférieurs à 10 mètres. Ces deux méthodes de détermination du fond conduisent à des résultats cohérents à la plupart des stations, les autres pouvant être attribués au fait que les mesures sont différées dans le temps et donc entachées par la variabilité du fond.

III.4.4.4 Comparaison avec le pressiomètre SIS

Un pressiomètre de type SIS est monté sur la bouteille de prélèvement déclenchée au fond. L'affichage du pressiomètre est comparé à la mesure corrigée du capteur de pression au niveau de fermeture de la bouteille. La *figure III-9* montre la répartition des écarts obtenus à l'ensemble des stations en fonction de la pression. Pour apporter une correction à l'indication du pressiomètre, il a été étalonné au laboratoire avant la campagne à une température de 2°C. Les corrections de lecture du pressiomètre portées sur la figure montrent que les écarts entre les deux mesures sont inférieurs à 2 dbar.

La bonne stabilité du capteur de pression vérifiée, par les étalonnages en laboratoire en 1997 et 1998, et les différentes comparaisons effectuées pendant la campagne permettent de considérer que l'erreur maximale de la mesure de pression sur les profils est de l'ordre de 2 dbar.

III.5 Étalonnage 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, tels que fournis 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

III.5.1 Mode opératoire

Les sondes du LPO 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 sondes ont été utilisées sur de nombreuses campagnes depuis 1982 : les étalonnages successifs ont montré que l'indication de température n'a pas varié de plus de 0.010°C pendant ce temps. Les étalonnages effectués avant et après la campagne ARCANE 98 sont présentés sur les *figures III-10 et III-11* sous forme d'écart entre la température de référence et la température indiquée par le capteur Neil-Brown. Ces deux étalonnages confirment l'excellente stabilité du capteur.

Les mesures de température obtenues sur les profils de la campagne sont corrigées en appliquant une relation d'ordre 2 ou 3 dont les courbes sont présentées sur les figures précédentes. Ces courbes montrent que l'erreur maximale est de $\pm 0.002^{\circ}\text{C}$.

III.5.2 Vérification de la mesure de température CTD

Un thermomètre placé sur la même bouteille de prélèvement que le pressiomètre est renversé au fond. Il a été étalonné au laboratoire avant la campagne. Sa lecture est comparée à la mesure CTD corrigée au niveau de la fermeture de la bouteille : la *figure III-12* montre les écarts obtenus aux stations auxquelles la température est inférieure à 3°C . L'étalonnage au laboratoire conduit à une correction de lecture du thermomètre SIS de $+ 0.001^{\circ}\text{C}$ pour une température de 2°C . Cette correction portée sur la figure montre que les mesures de température CTD et celles du thermomètre SIS sont cohérentes à $\pm 0.002^{\circ}\text{C}$.

On peut en conclure que l'erreur maximale sur la température CTD est de 0.002°C .

III.6 Calibration de la conductivité sur les profils CTD

III.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_2 d'un polynôme de degré 1 pour une station, ou un groupe de stations, qui minimisent les écarts $\Delta C = CO_H - CO_S$. 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, dans le sous-groupe d'échantillons considérés pour le calcul des coefficients, tous les écarts ΔC sont inférieurs à la valeur $\Delta C_{\max} = 2.8 * \text{écart-type}$.

Un premier calcul est ainsi effectué, de manière indépendante, sur deux sous-ensembles de stations :

- stations 1 à 71, à l'exception de la 56, réalisées avec la sonde 2782
- stations 56 et 72 à 101 réalisées avec la sonde 2521.

III.6.2 Analyse des premiers résultats et stratégie adoptée

L'observation détaillée des écarts résultants de ce premier calcul global mettent en évidence des " sauts " dans la distribution : ces sauts sont consécutifs, le plus souvent, au nettoyage de la cellule de conductivité effectué périodiquement pendant la campagne. Il est donc nécessaire de procéder à un découpage de la campagne par station ou groupe de stations qui correspondent à des phases successives de la réponse du capteur.

Sur les campagnes précédentes nous avons mis en évidence un " offset " de 0.001 en conductivité au passage de la mi-échelle de mesure à la valeur de 32.768 mmho/cm (2^{15}). Ce phénomène, mis en évidence également par T.S. Muller et al. (1994), affecte tous les profils de la campagne lorsque la conductivité mesurée est inférieure à 32.768, ce qui est le cas à grande profondeur.

Les mesures de conductivité ont été corrigées de ce défaut avant de procéder au découpage par groupe de stations. Tous les profils de la campagne ont donc été comparés à la série d'échantillons prélevés sur chacun d'eux ce qui permet d'obtenir une bonne distribution des diagrammes θ -S à grande profondeur.

III.6.3 Bilan de la calibration des profils

Le tableau III-1 regroupe l'ensemble des coefficients C_1 et C_0 utilisés pour recalculer les valeurs de conductivité des profils de montée de la campagne : il présente les caractéristiques se référant à chaque station ou groupe de stations.

Station ou groupe	Nombre d'échantillons considérés	Nombre d'échantillons retenus par le calcul	Déviation Standard (0-5700 dbar)	Coefficients	
				C_1	C_0
1→ 27	452	407	0.00206	0.998734	0.04213
28	30	28	0.00250	0.998477	0.05186
29→ 41	277	251	0.00182	0.998631	0.04535
42→ 64	508	471	0.00258	0.998588	0.04758
65→ 71	78	73	0.00344	0.998776	0.03885
56 + 72→ 88	252	217	0.00219	0.999386	0.02991
89→ 101	276	252	0.00271	0.999094	0.03550
	1873	1699 (90.7 %)			

La salinité a été déterminée sur 1873 échantillons et le processus de calcul en a validé 1699, soit **90.7 %** ce qui revient à dire que, au niveau de ces échantillons, l'écart entre la conductivité de l'échantillon et la conductivité corrigée sur le profil est inférieur à 2.8 fois l'écart-type pour le groupe de stations considéré

La *figure III-13* représente les écarts ΔC 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 III-14* confirment une distribution correcte des écarts. Ils sont inférieurs à 0.001 mmho/cm dans 40 % des cas et à 0.003 mmho/cm dans 81 % des cas.

Le bilan d'ensemble peut être établi de la manière suivante : *les valeurs de conductivité des 1699 échantillons validés indiquent un écart quadratique moyen pour l'ensemble de la campagne de 0.0023 mmho/cm*. Cette valeur est très proche de l'objectif fixé dans les campagnes 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 III-15* : l'écart-type en salinité est de 0.0024. Cette valeur montre qu'on ne pouvait espérer mieux de la calibration des profils CTD car elle est proche de celle obtenue sur les doublets (0.0020).

III.6.4 Vérification des résultats :

La *figure III-16* présente l'ensemble des diagrammes θ -S qui sont l'image des profils de la campagne ARCANE 98 à grande profondeur. On observe une bonne répétabilité des diagrammes qui se superposent de manière tout à fait correcte. A une température potentielle inférieure à 2.5°C correspond une salinité connue avec une incertitude inférieure à 0.0025 PSU.

Saunders (1986) a établi une relation entre température potentielle et salinité dans les masses d'eau profonde de l'Atlantique Nord-Est. Cette relation ($S = 34.698 + 0.098 * \theta$) est matérialisée sur la *figure III-16*. On constate que tous les diagrammes θ -S de la campagne ARCANE 98 confirment cette relation avec un écart maximum en salinité de 0.005 PSU. Sur la même figure sont représentés les diagrammes θ -S qui correspondent aux mesures de salinité in situ obtenues sur les prélèvements utilisés pour recalibrer les profils CTD.

La distribution globale des diagrammes θ -S est tout à fait conforme à celle obtenue sur les campagnes ARCANE 96 et 97. La *figure III-17* montre deux exemples d'intercomparaison de diagrammes θ -S. Il s'agit des stations, effectuées à la même position géographique, extraites des campagnes ARCANE 97 et ARCANE 98. Dans les deux cas, la superposition des diagrammes est satisfaisante et montre que les résultats des deux campagnes sont homogènes.

III.7 Calibration des profils d'oxygène dissous

III.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).

$$OXYC = soc * OC * OXSAT * \exp[oxtc (oxc1 * T + oxc2 (OT - T)) + oxpc * P]$$

OC : courant oxygène
OT : température de l'électrolyte

} capteur Beckman

} 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 dbar 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.

III.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. On en déduit la densité de l'échantillon, et la teneur en oxygène dissous peut être convertie en micromoles par kilogramme (μ mol/kg). Les profils de la campagne sont également recalés dans cette unité en utilisant le même découpage par station ou groupe de stations.

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

III.7.3 Stratégie de regroupement des stations

Une première détermination des "caractéristiques" du capteur sur l'ensemble des échantillons de la campagne permet d'observer les différentes phases de son comportement.

La *figure III-18* montre la distribution des écarts obtenus après cette première détermination globale. Elle met bien en évidence les difficultés rencontrées au cours de la campagne : elles ont conduit aux changements de sonde puis de capteur d'oxygène

Chacune de ces phases doit donc être considérée séparément. Leur identification puis un calcul spécifique permet d'obtenir pour chacune des stations de la campagne un profil d'oxygène dissous bien recalé sur les valeurs d'oxygène dissous obtenues par analyse chimique.

III.7.4 Bilan de la calibration des profils

Le tableau III-2 regroupe l'ensemble des valeurs caractéristiques des coefficients utilisées pour recalcr les profils de la campagne. Ce tableau indique, pour chaque groupe de stations, le nombre d'échantillons considérés, le nombre de ceux qui sont validés et la déviation standard dans trois intervalles de pression ainsi que les paramètres caractéristiques du capteur.

Bilan de la calibration des profils d'oxygène dissous de la campagne ARCANE 98

Station ou groupe	Nombre d'échantillons considérés	Nombre d'échantillons retenus par le calcul	Déviation Standard			Coefficients			
			0-5700	0-1000	1000-5700	SOC	OXPC	OXTC	OXC2
1	10	10	0.105	0.138	0.037	0.0392	0.000207	-0.0016	-3.504
2→10	120	105	0.067	0.098	0.039	0.0570	0.000140	-0.0352	0.422
11	15	15	0.043	0.043	0.048	0.0471	0.000212	-0.0199	0.648
12→23	215	191	0.061	0.078	0.054	0.0597	0.000136	-0.0385	0.335
24→31	182	162	0.065	0.088	0.047	0.0582	0.000140	-0.0371	0.259
32→43	261	232	0.049	0.059	0.043	0.0591	0.000139	-0.0383	0.302
44→55	281	247	0.059	0.067	0.056	0.0589	0.000140	-0.0363	0.166
56	16	16	0.025		0.025	0.0443	0.000124	-0.0249	1.029
57	30	30	0.092	0.132	0.046	0.0456	0.000164	-0.0293	0.314
59	16	16	0.099	0.175	0.050	0.0637	0.000149	-0.0288	0.289
60	30	30	0.097	0.146	0.032	0.0653	0.000146	-0.0318	0.271
61	16	16	0.084	0.161	0.013	0.0688	0.000142	-0.0349	0.274
62→71	153	152	0.092	0.120	0.054	0.0687	0.000147	-0.0304	0.186
72→85	175	164	0.066	0.073	0.050	0.0415	0.000156	-0.0221	0.523
86→101	336	289	0.044	0.050	0.042	0.0476	0.000116	-0.0319	0.428
	1856	1675 (90.3 %)							

La *figure III-19* montre les écarts finaux, après recalage des profils et application d'un facteur correctif complémentaire de degré 5, entre les valeurs d'oxygène fournies par les échantillons et par la sonde sur le profil descente au niveau du prélèvement. La distribution de ces écarts est bien centrée et acceptable pour chacune des stations de la campagne sauf à la station 58 pour laquelle le profil d'oxygène n'est pas exploitable.

La répartition en fonction de la pression montre qu'elle est acceptable à tous les niveaux de prélèvements.

Les histogrammes de la *figure III-20* confirment que la distribution est correctement centrée pour l'ensemble des niveaux de prélèvement. Il apparaît néanmoins que les résultats sont moins bons que ceux obtenus sur ARCANE 97 car la distribution des écarts est plus large.

Pour l'ensemble de la campagne ARCANE 98, 1675 échantillons parmi les 1856 analysés, soit 90.2 %, ont été utilisés et validés pour recalculer les profils "bathysonde" d'oxygène dissous. Les écarts en oxygène sont inférieurs à 0.025 ml/l dans 41.4 % des cas et inférieurs à 0.075 ml/l pour 80.6 %, ceci donne une déviation standard de 0.063 ml/l.

En ne considérant que la partie de profil d'oxygène supérieure à 980 dbar, soit 1039 échantillons, les écarts sont inférieurs à 0.025 ml/l pour 49.4 % et inférieurs à 0.075 ml/l pour 88.3 %. L'écart quadratique moyen est réduit à 0.047 ml/l.

L'histogramme des écarts finaux exprimés en micromole/kg est présenté sur la *figure III-21*. Dans cette unité, la déviation standard est de 2.7 $\mu\text{mole/kg}$ pour la totalité du profil, elle est réduite à 2.0 $\mu\text{mole/kg}$ pour la partie supérieure à 980 dbar.

III.7.5 Vérification des résultats

La *Figure III-22* présente l'ensemble des mesures d'oxygène dissous obtenues par la méthode de Winkler sur les prélèvements, ainsi que les profils d'oxygène dissous de la campagne ARCANE 98.

La comparaison de ces résultats avec ceux des précédentes campagnes ARCANE appelle les remarques suivantes :

- La moyenne des mesures d'oxygène dissous, à pression supérieure à 3700 dbar, est de 5.59 ± 0.05 ml/l ; ceci confirme les résultats obtenus sur les précédentes campagnes.
- Les valeurs maximales obtenues à ces profondeurs atteignent 5.64 ml/l ce qui approche de la valeur moyenne dans l'Atlantique Nord-Est, d'après SAUNDERS (1986) : ARCANE 98 était effectivement plus éloignée du Bord-Est (valeurs d'oxygène plus faibles) que les précédentes.
- En dépit de plusieurs ennuis avec les capteurs d'oxygène dissous, les profils ont pu être corrigés grâce à de bonnes mesures Winkler.

La *figure III-23* montre la superposition des profils d'oxygène dissous obtenus au cours des campagnes ARCANE 97 et 98 à la même position : le résultat est tout à fait acceptable.



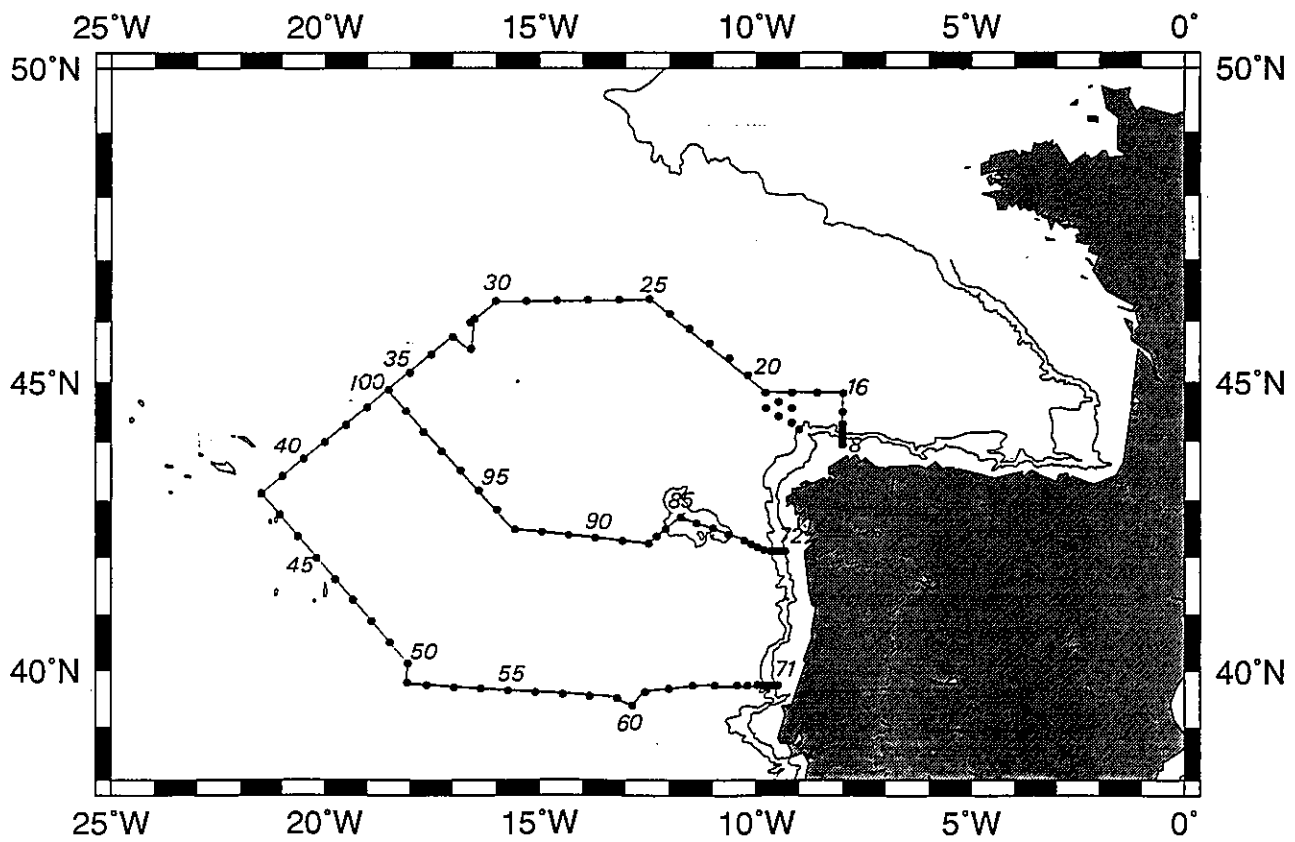


Figure III-1

Position géographique des 101 stations CTD-O₂ de la campagne ARCANE 98.

Campagne ARCANE 98
Répartition des prélèvements

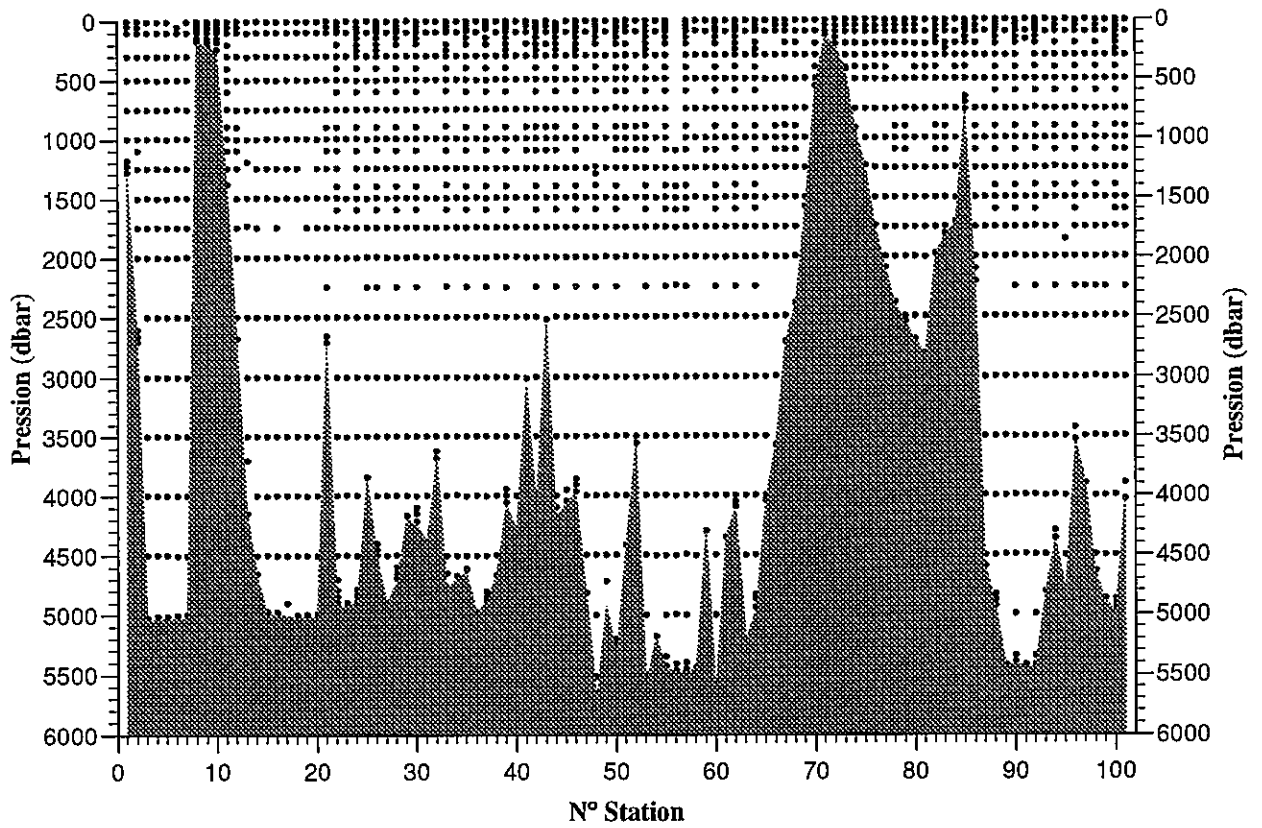


Figure III-2

Coupe synoptique indiquant le niveau des prélèvements à chaque station de la campagne ARCANE 98

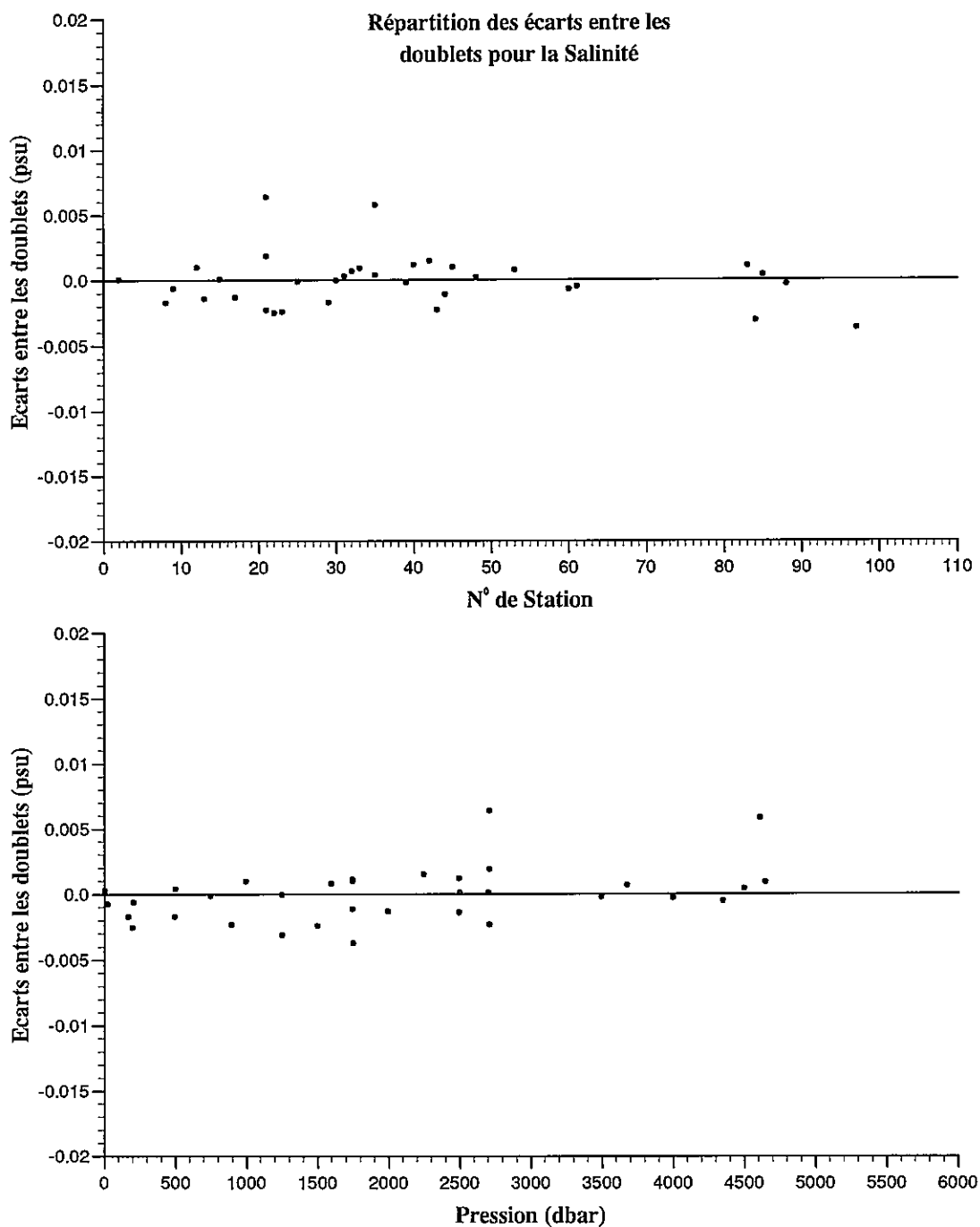
Campagne ARCANE 98

Figure III-3

Écarts 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 ARCANE 98

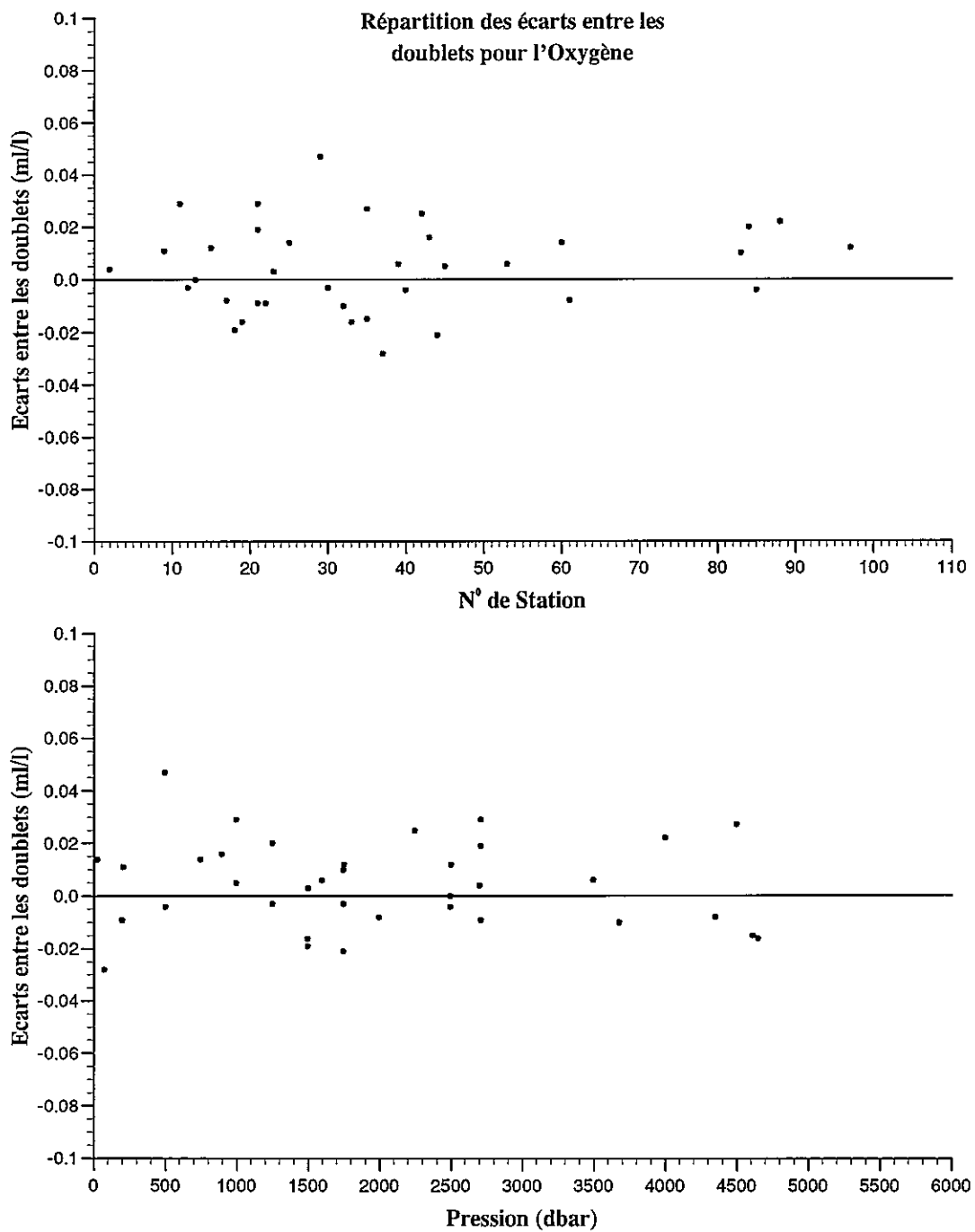


Figure III-4

Écarts 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 ARCANE 98

Correction de l'indication du capteur de pression
Sonde NEIL-BROWN 2782

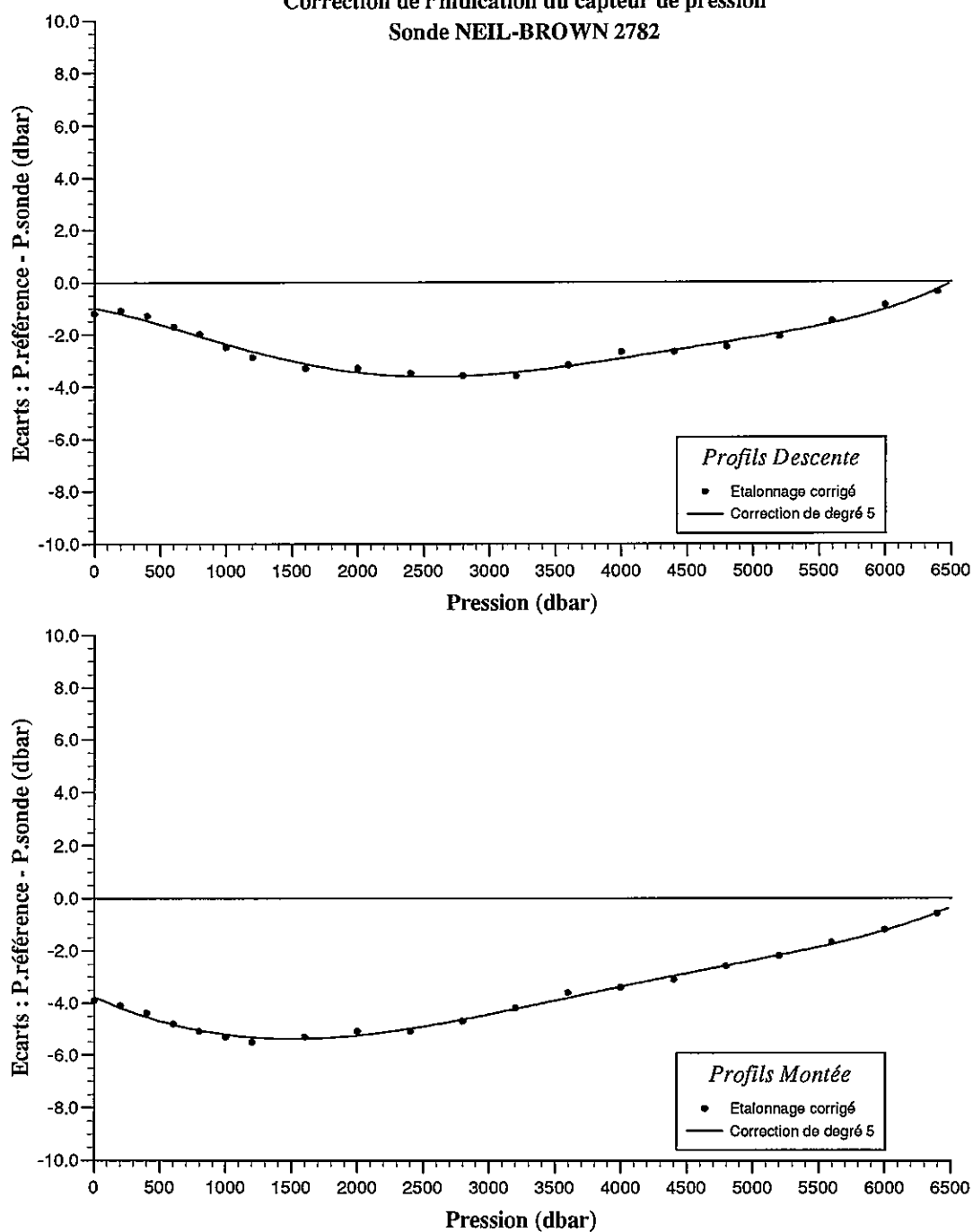


Figure III-5

Répartition des écarts, tous les 400 dbar, 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°C, de l'influence de température statique et de l'effet dynamique de température :

a) cycles montée en pression (profils descente),

b) cycles descente en pression (profils montée).

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

Campagne ARCANE 98

Correction de l'indication du capteur de pression
Sonde NEIL-BROWN 2521

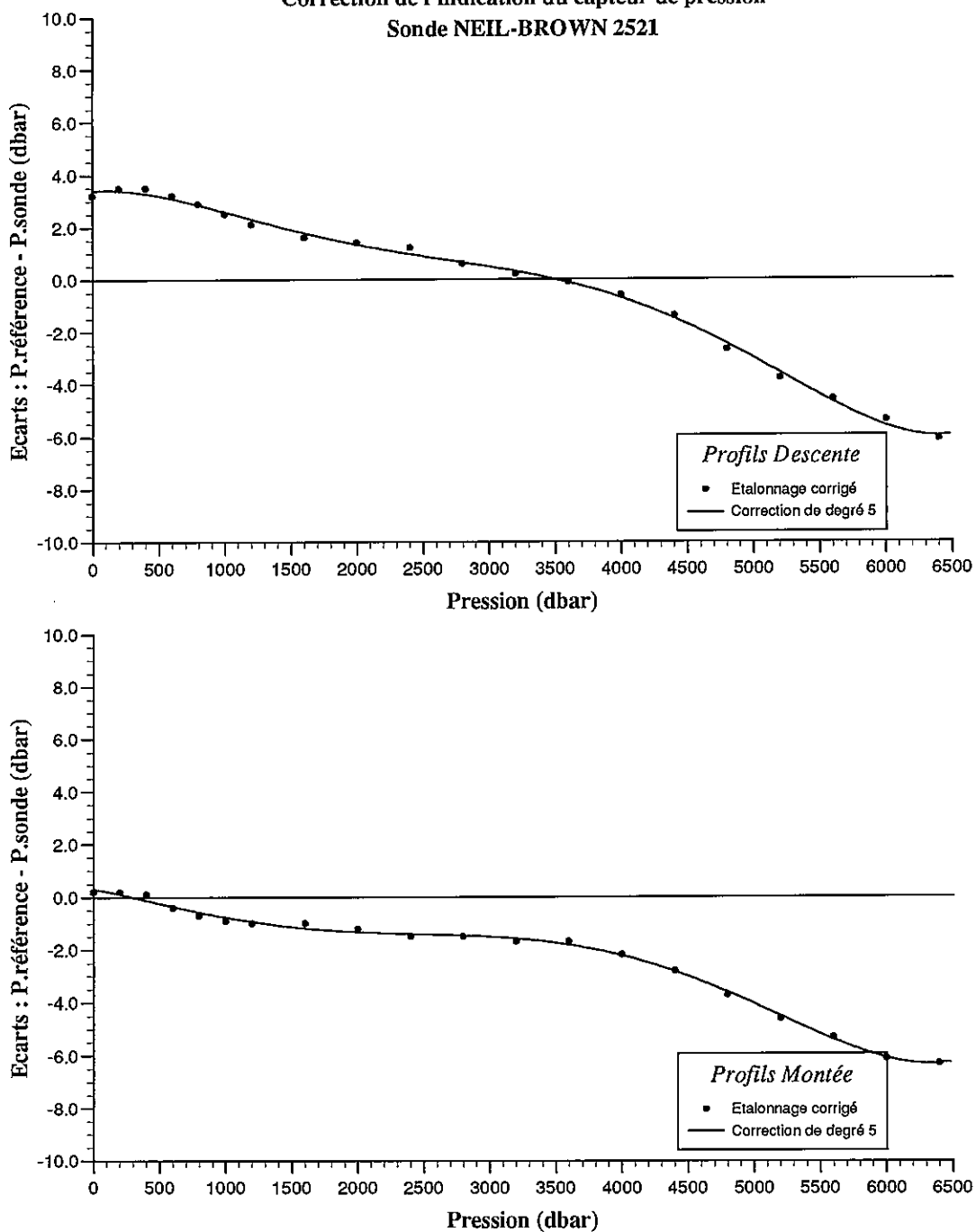


Figure III-6

Répartition des écarts, tous les 400 dbar, 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°C, de l'influence de température statique et de l'effet dynamique de température :

a) cycles montée en pression (profils descente),

b) cycles descente en pression (profils montée).

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

Campagne ARCANE 98

Indication du capteur de Pression en surface

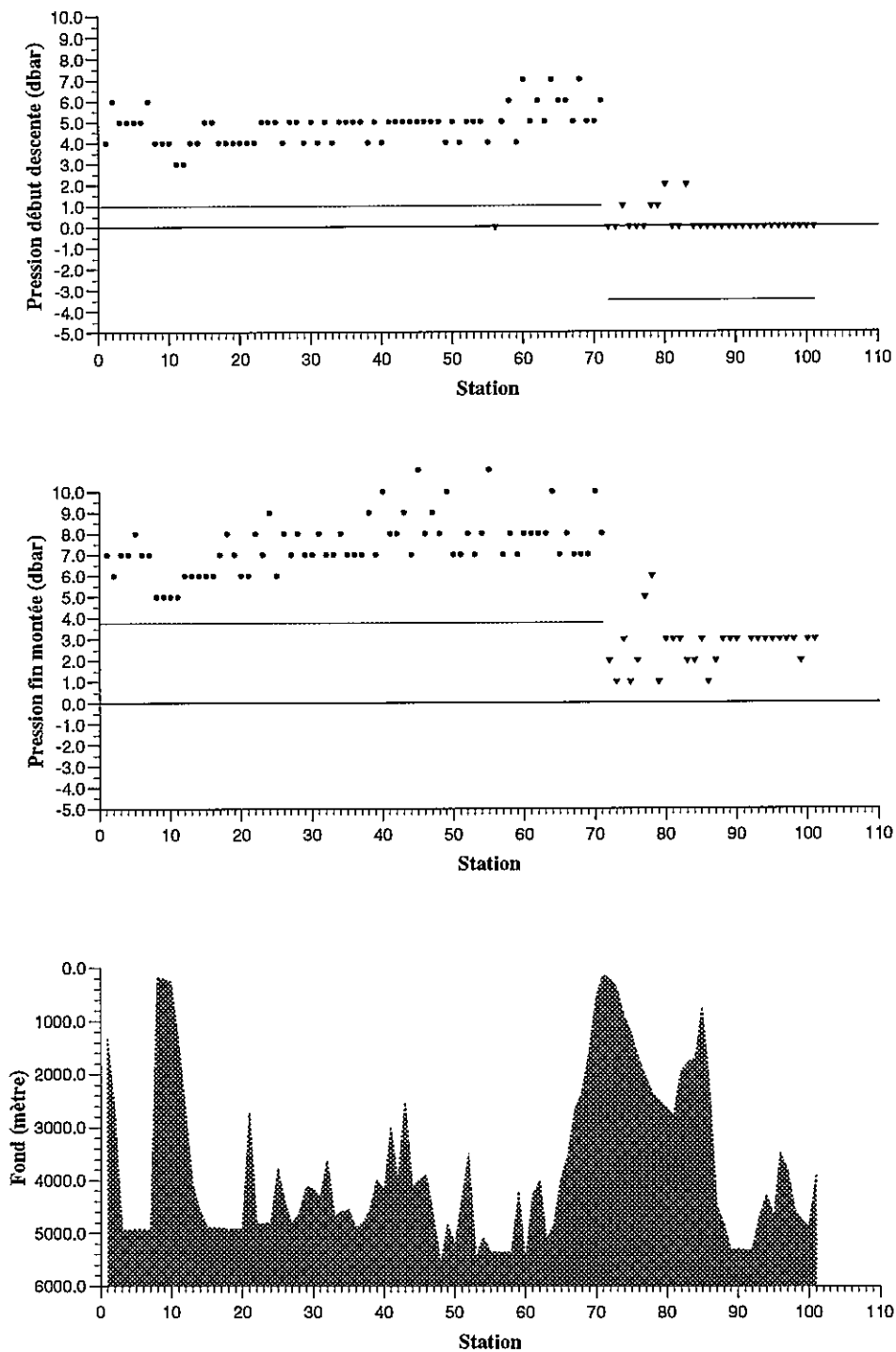


Figure III-7

Suivi de l'indication du capteur de pression en surface à chaque station :

a) au début du profil descente,

b) à la fin du profil montée.

La correction appliquée à l'indication du capteur est représentée sur les deux figures.

Le graphique *c)* permet de connaître la profondeur de chaque station.

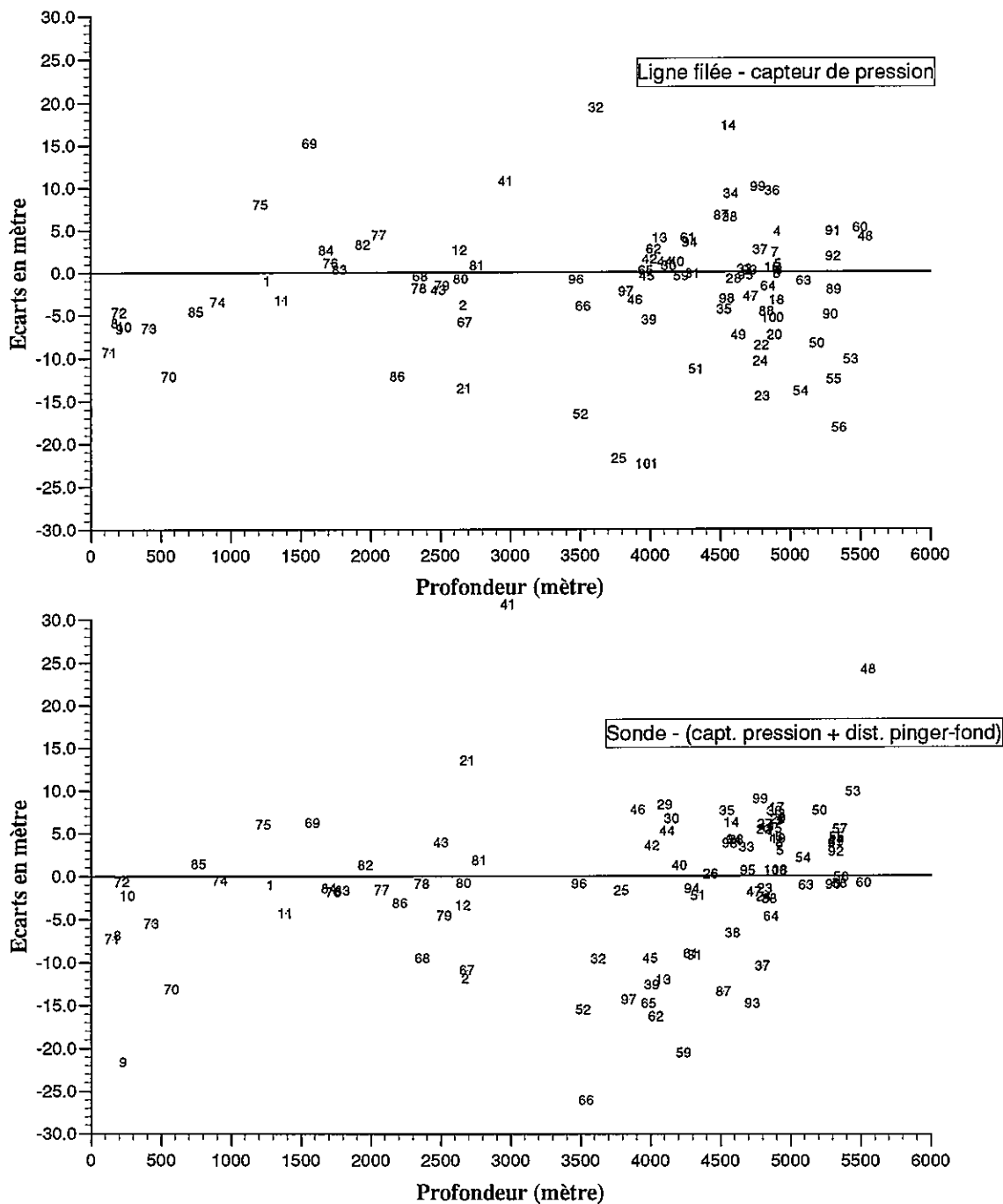


Figure III-8

Écarts, en mètres, à chaque station :

a) entre la longueur de câble filé et l'immersion du capteur de pression Neil-Brown (après corrections) en fin de profil descente.

b) entre la profondeur obtenue par le sondeur EK500 en début de profil et l'immersion du capteur de pression Neil-Brown en fin de profil. Les différentes corrections sont appliquées aux deux types de mesure.

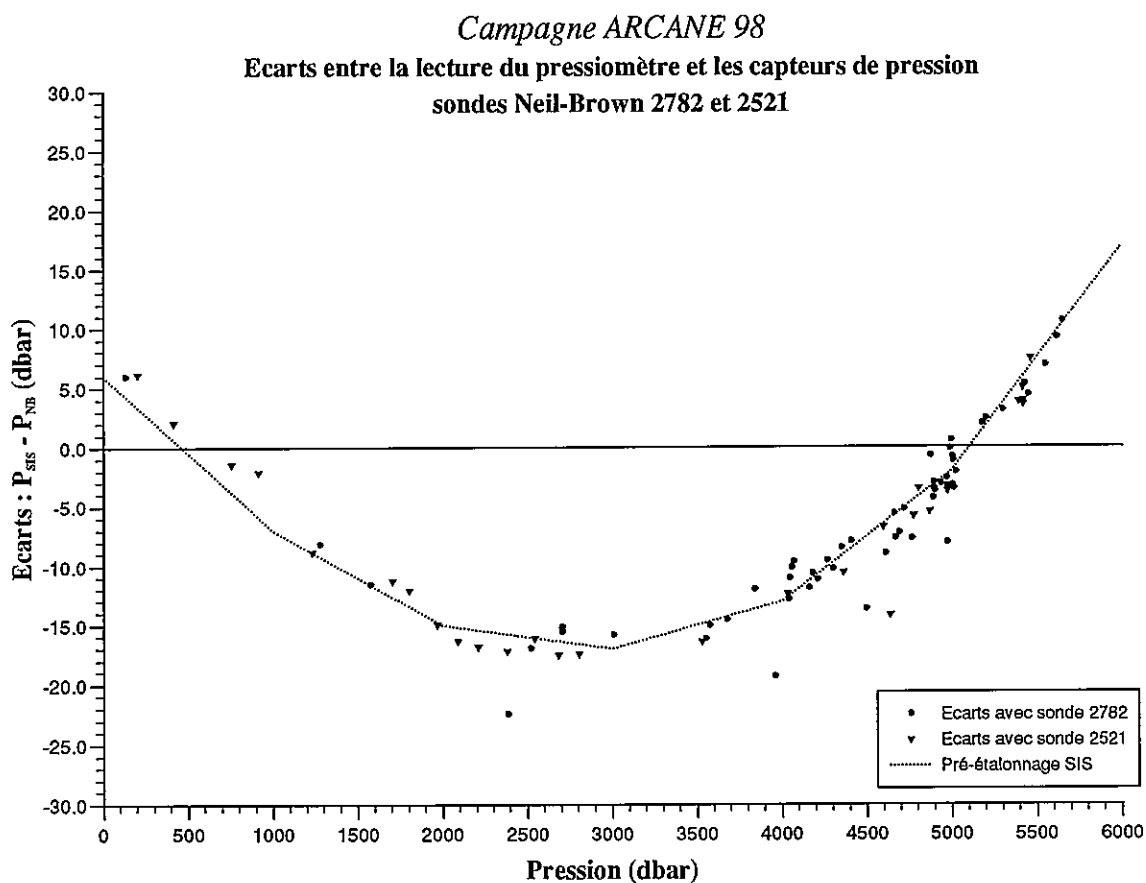


Figure III-9

Écarts obtenus, à l'ensemble des stations, entre la lecture du pressiomètre SIS et la pression indiquée par le capteur Neil-Brown (après correction) en fonction de la pression d'observation.

La courbe en trait pointillé représente la correction à apporter à la lecture du pressiomètre (étalonnage pré-campagne).

Les points comparés à ces courbes montrent que la pression SIS est égale à la pression CTD à 2 dbars près.

Campagne ARCANE 98
Etalonnage du capteur de température
sonde NEIL-BROWN 2782

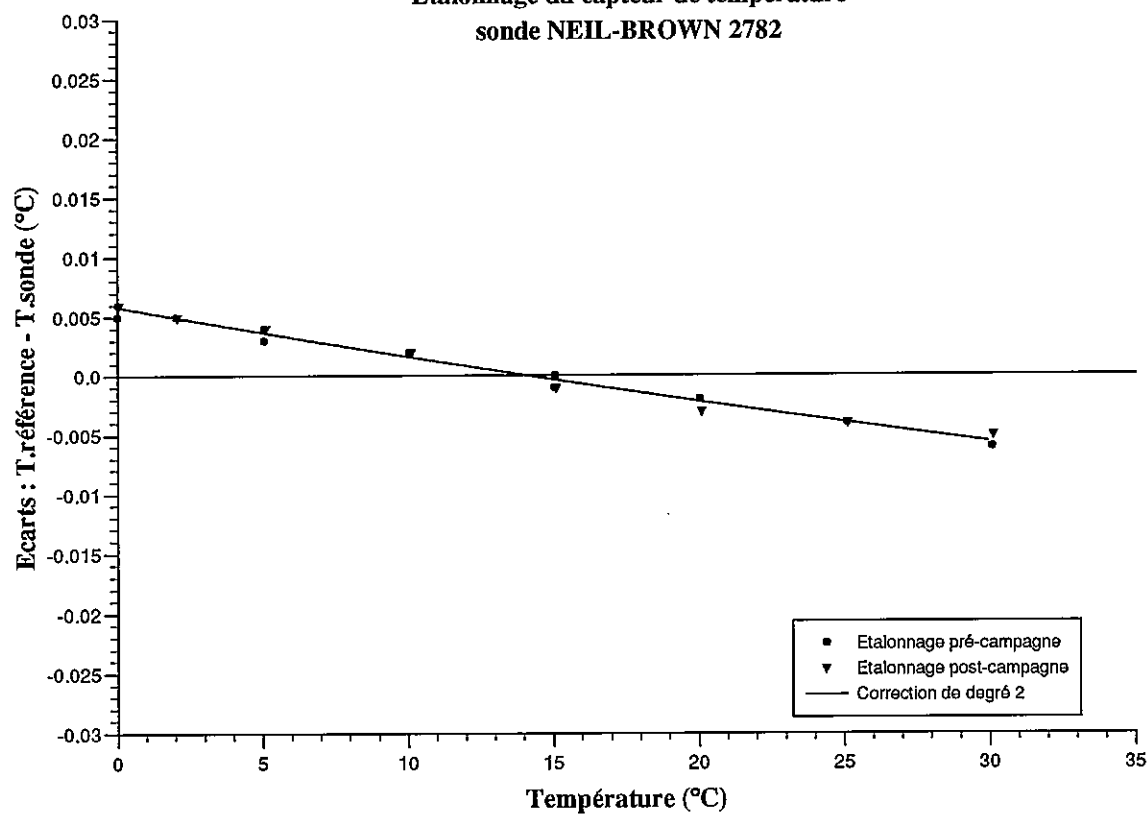


Figure III-10

Écarts entre la température de référence et la température indiquée par le capteur Neil-Brown (sonde 2782) lors de l'étalonnage pré et post-campagnes.
La courbe de degré 2 qui corrige la température sur les profils est représentée.

Campagne ARCANE 98
Etalonnage du capteur de température
sonde NEIL-BROWN 2521

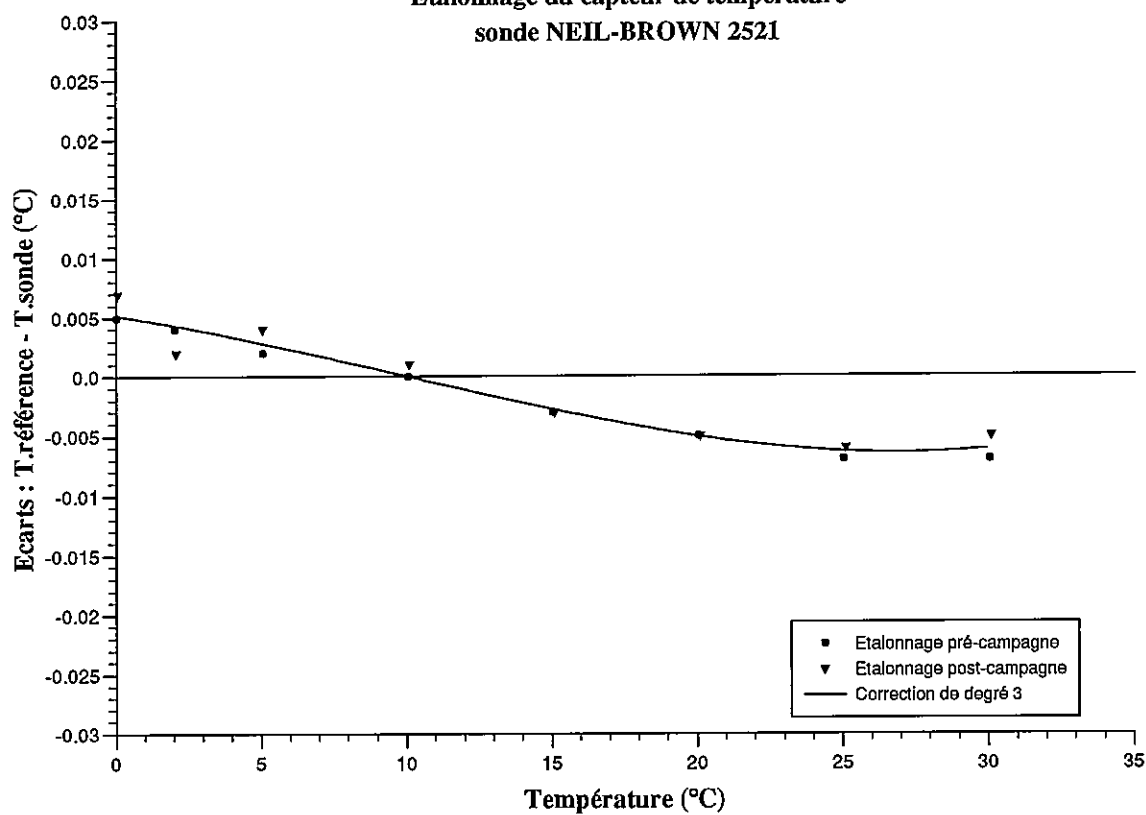
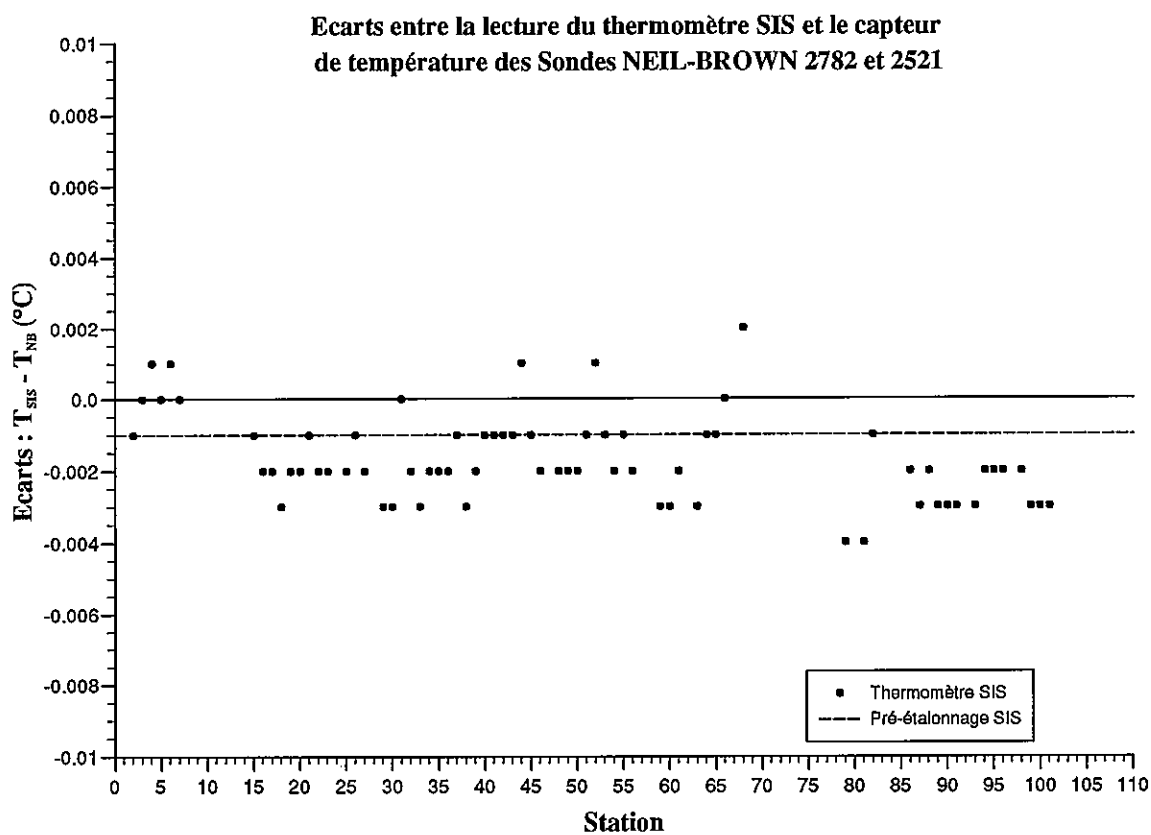


Figure III-11

Écarts entre la température de référence et la température indiquée par le capteur Neil-Brown (sonde 2521) lors de l'étalonnage pré- et post-campagnes. La courbe de degré 3 qui corrige la température sur les profils est représentée.

Campagne ARCANE 98



$T < 3^\circ$

Figure III-12

Écart obtenu, à chaque station, entre la lecture du thermomètre SIS et la température indiquée par la sonde Neil-Brown (après correction) : la température expérimentale est inférieure à 3°C .

La correction de lecture du thermomètre SIS reportée sur le graphique montre que les températures mesurées au fond par les deux instruments sont en accord à $\pm 0.002^\circ\text{C}$.

Campagne ARCANE 98

Répartition des écarts en Conductivité
après recalage des profils CTD

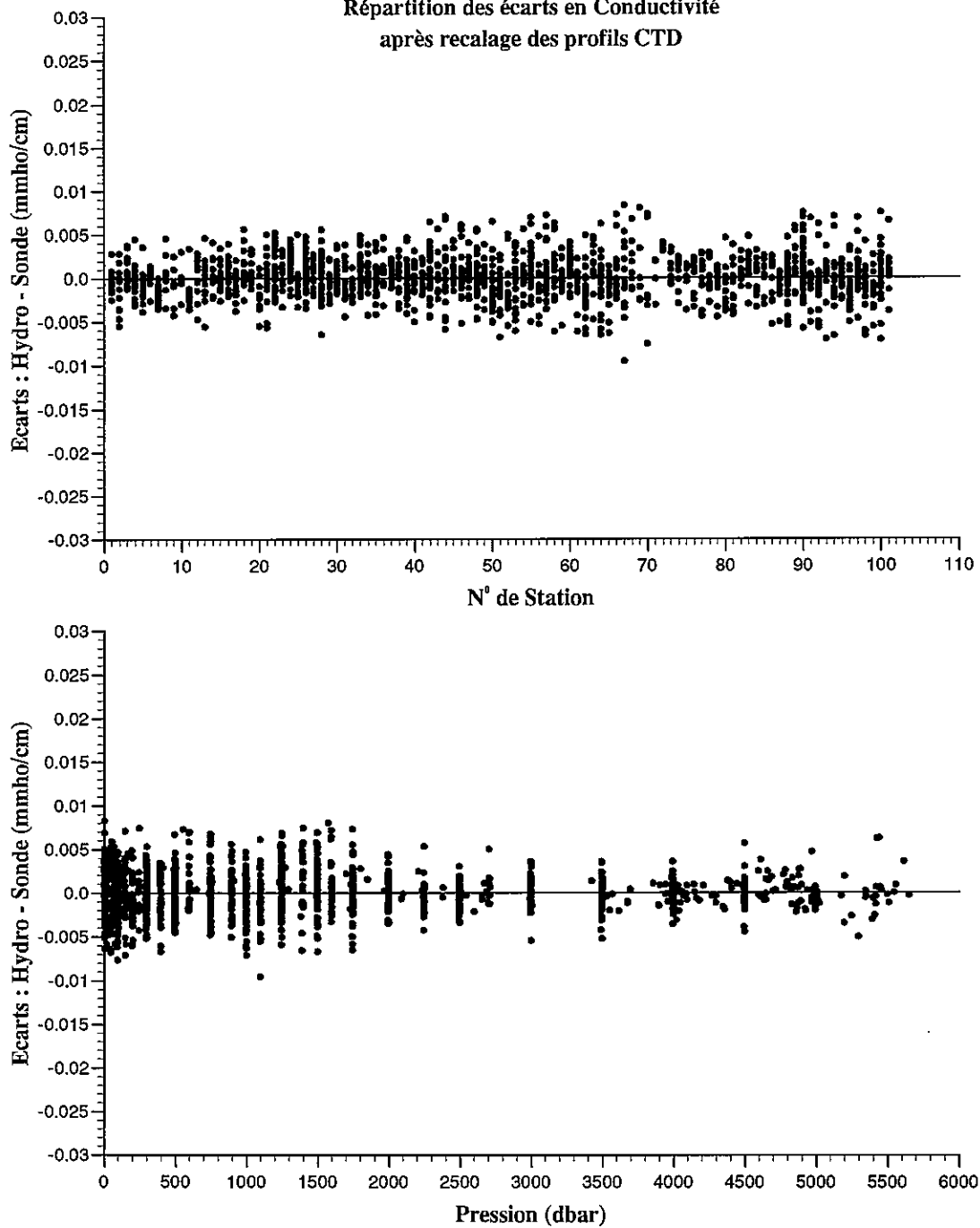


Figure III-13

Écarts entre la conductivité des 1699 échantillons validés et la conductivité " bathysonde " corrigée au niveau de chaque prélèvement :

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

Campagne ARCANE 98

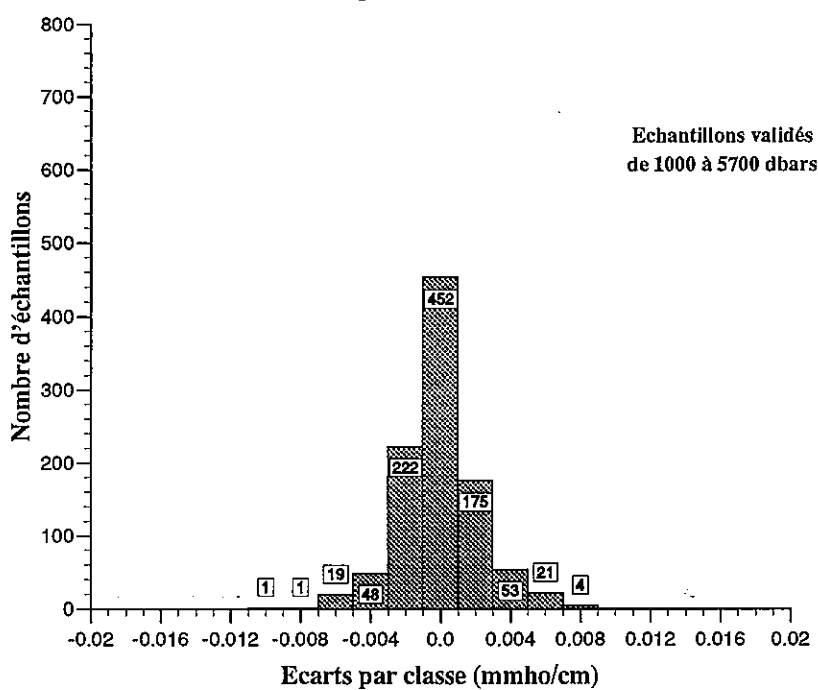
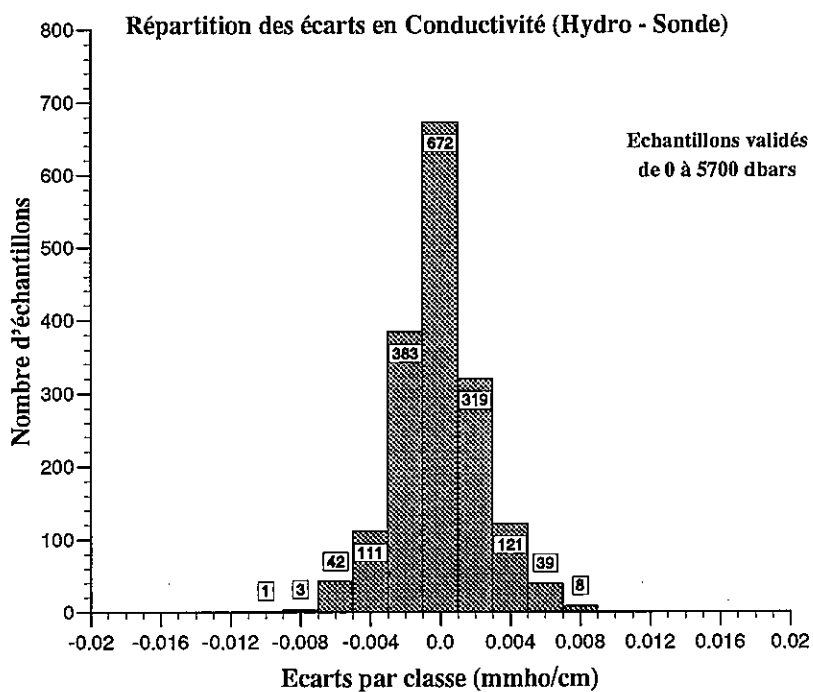


Figure III-14

Histogrammes des écarts entre la conductivité des échantillons validés et la conductivité " bathysonde " au niveau du prélèvement (mesures finales sur les profils montée) :

- pour la totalité des 1699 échantillons validés sur la campagne,
- pour les 996 échantillons validés et prélevés à pression supérieure à 980 dbars.

Campagne ARCANE 98

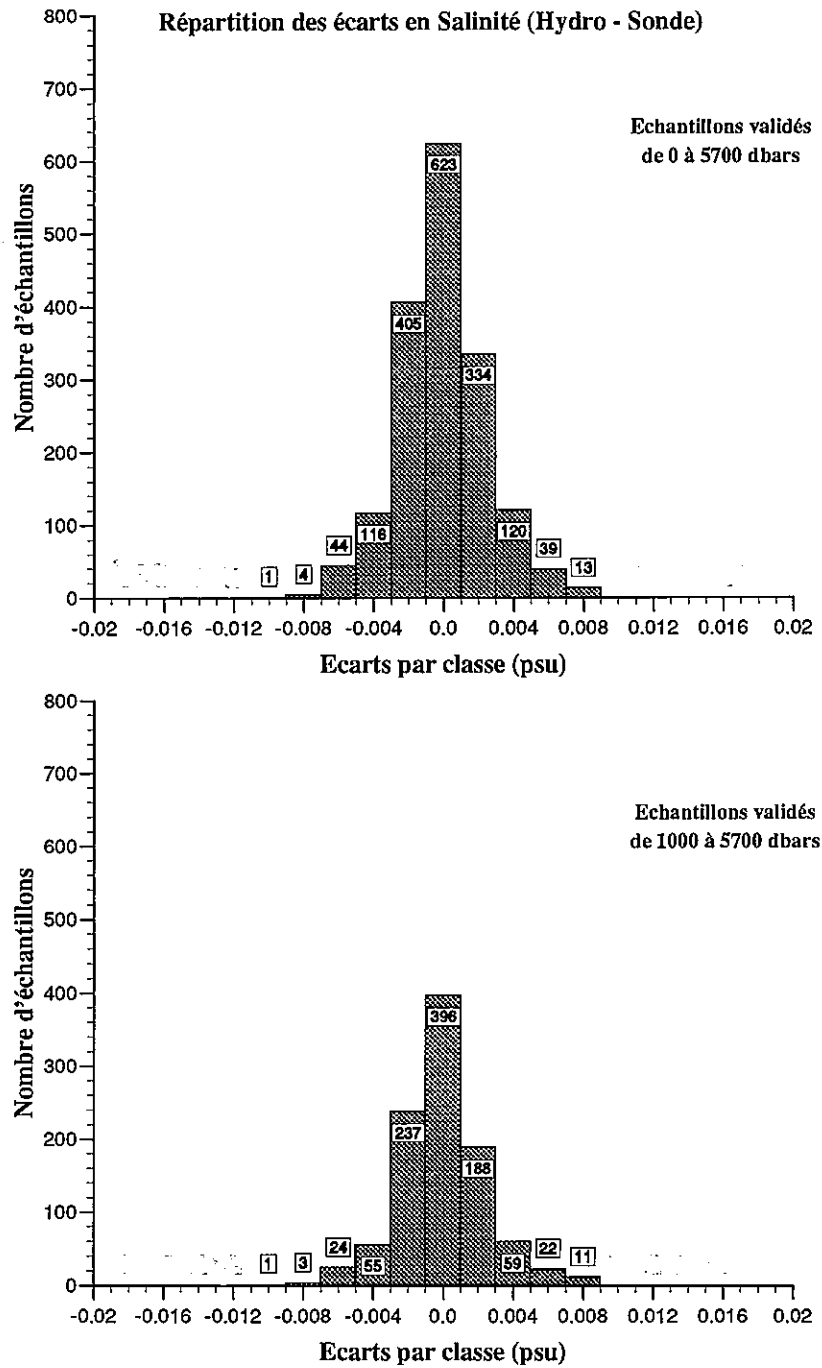


Figure III-15

Même légende que figure III-14 pour les écarts en salinité.

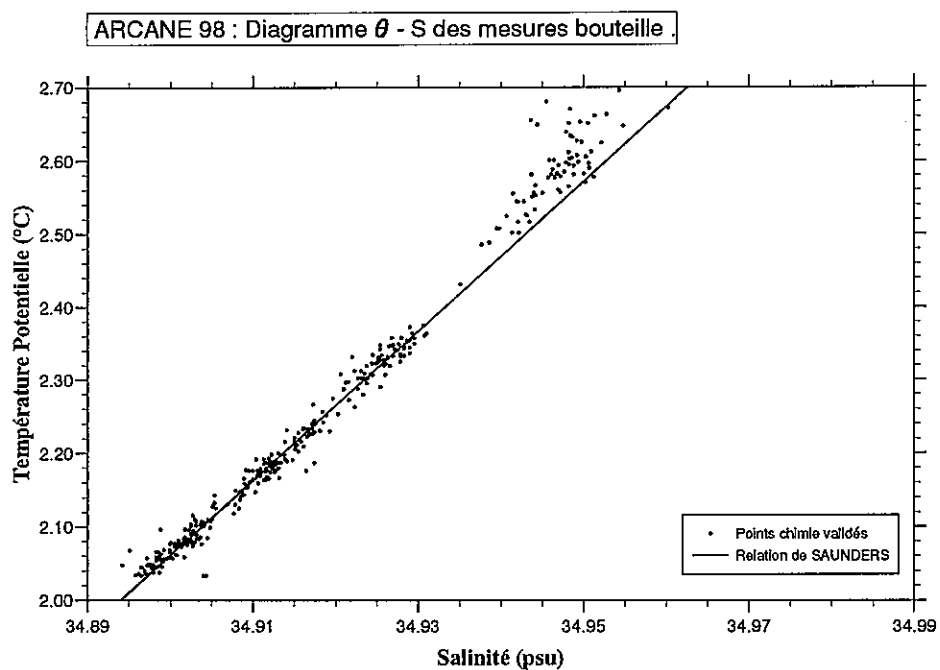
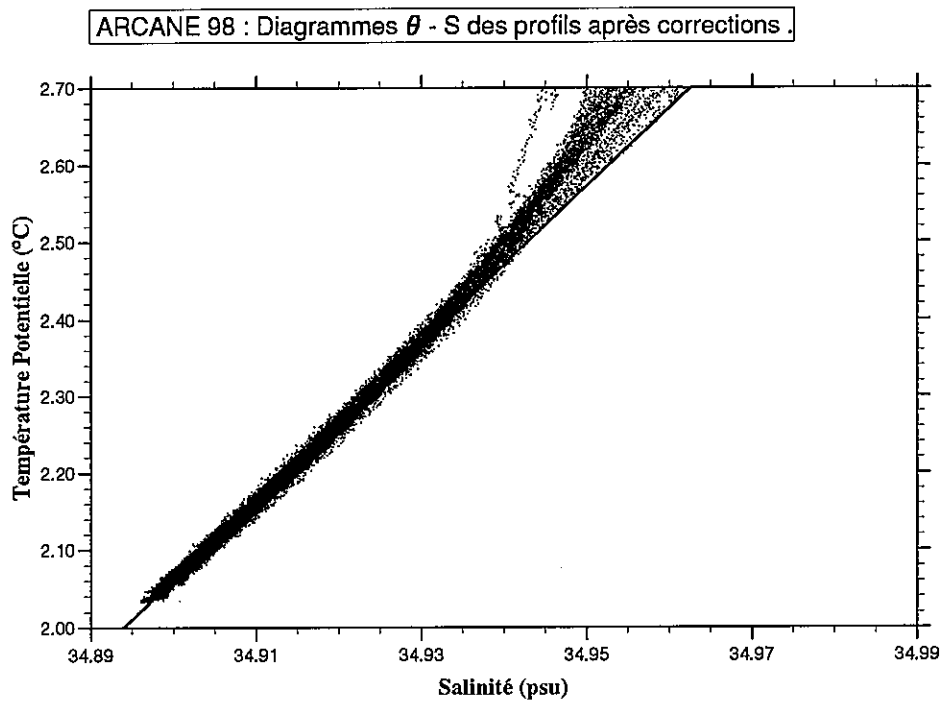


Figure III-16

Ensemble des diagrammes θ -S des 101 stations de la campagne ARCANE 98 :

- a) mesures en continu sur les profils descente,
 - b) salinité " bouteille " combinée à la température potentielle CTD.
- La droite matérialise la relation préconisée par Saunders (1986).

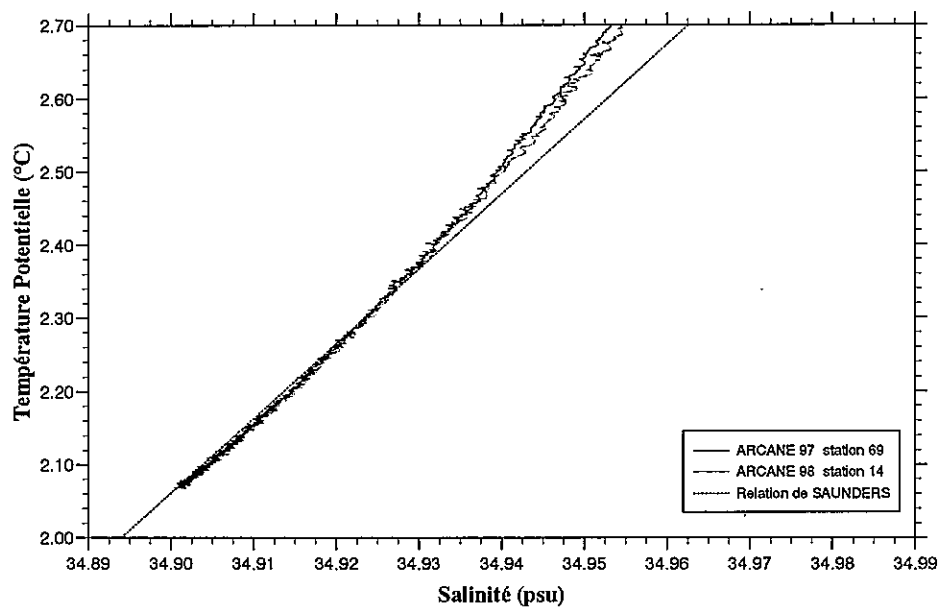
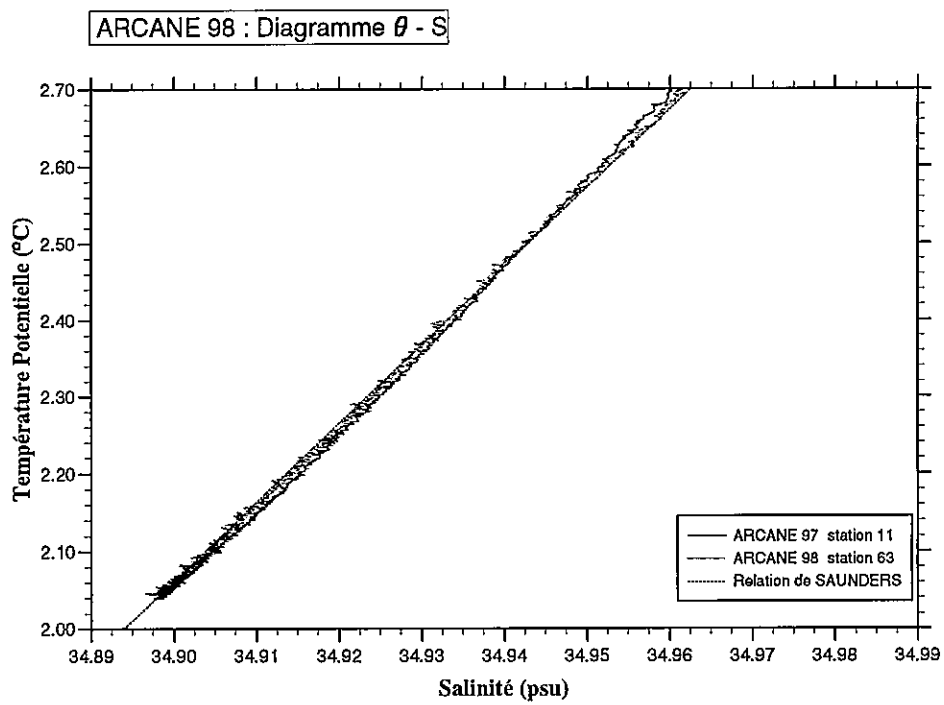


Figure III-17

Comparaison de diagrammes θ -S obtenus par des stations réalisées à la même position géographique :

- a) station 11 de ARCANE 97 et station 63 de ARCANE 98
- b) station 69 de ARCANE 97 et station 14 de ARCANE 98.

Campagne ARCANE 98

Répartition des écarts en Oxygène
avant recalage des profils CTD

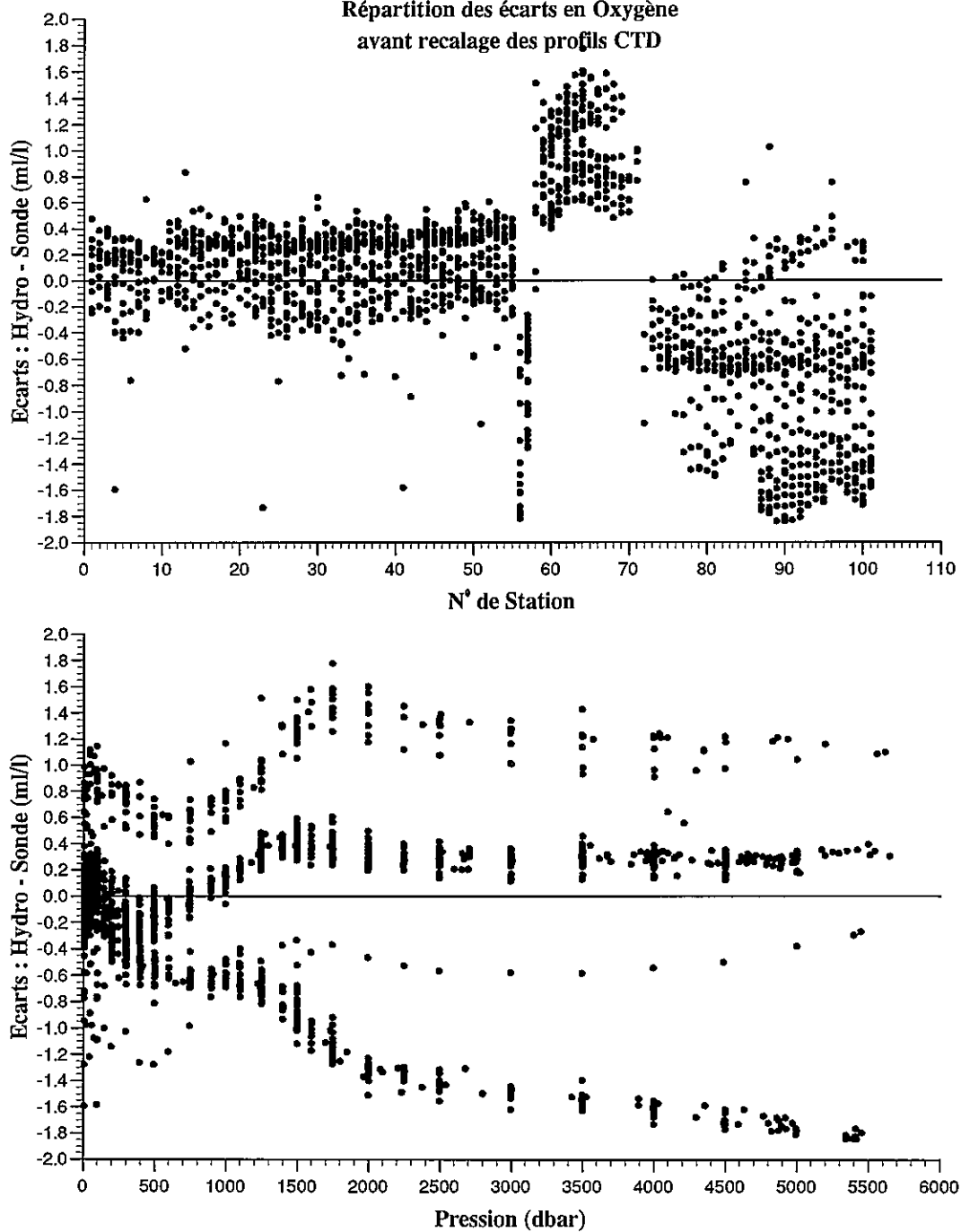


Figure III-18

Écarts entre la valeur d'oxygène mesurée sur les échantillons et celle du profil de descente " bathysonde " à la pression du prélèvement :

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

Ces écarts sont le résultat d'un calcul effectué sur l'ensemble des échantillons de la campagne.

Campagne ARCANE 98

Répartition des écarts en Oxygène
après recalage des profils CTD

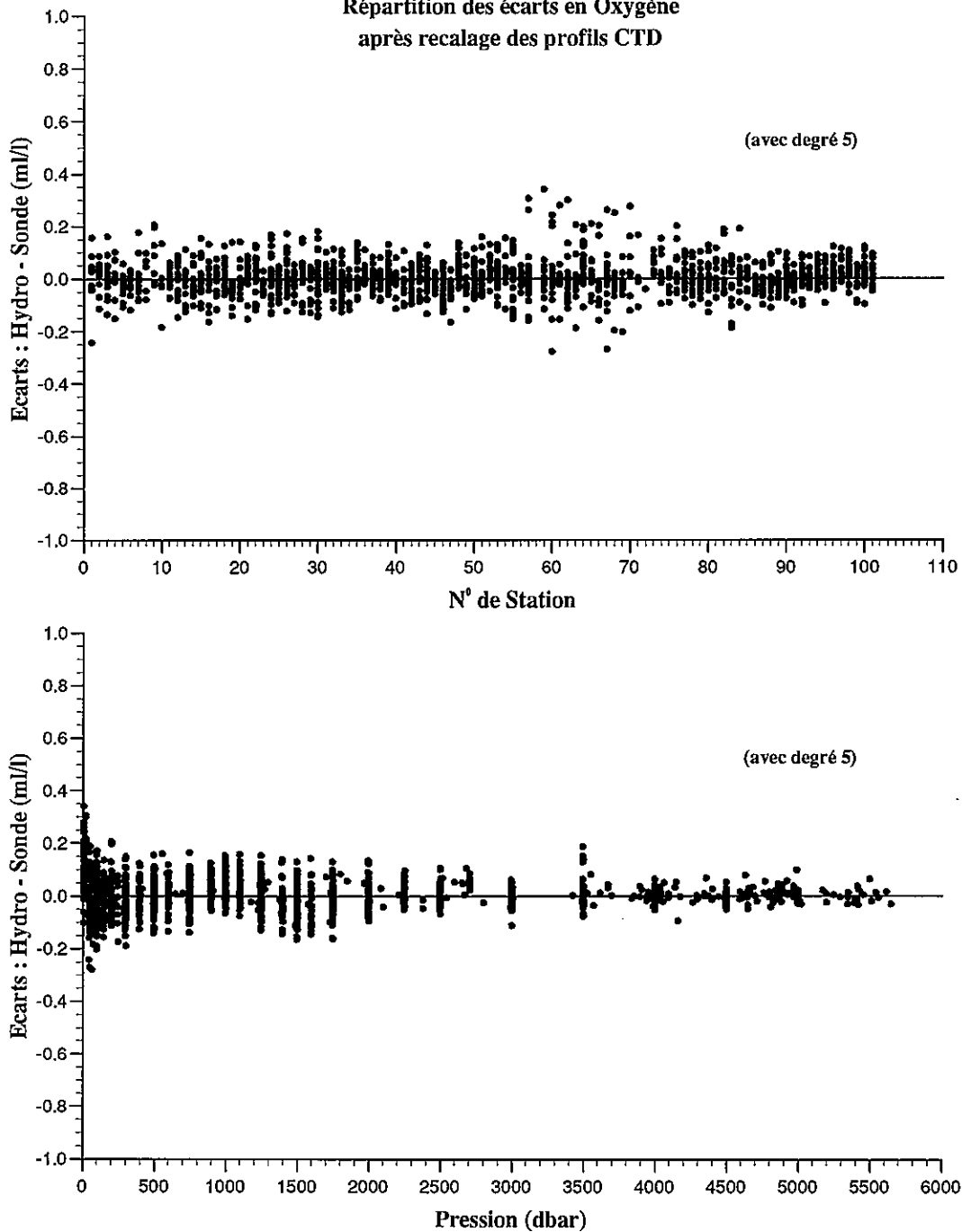


Figure III-19

Écarts entre la valeur d'oxygène mesurée sur les 1675 échantillons validés et celle du profil descente " bathysonde " à la pression du prélèvement :

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

Ces écarts sont obtenus après un calcul spécifique effectué par station ou groupe de stations (un polynôme de degré 5 élimine la dépendance des écarts à la pression).

Les mesures " bathysonde " sont moyennées sur une tranche d'eau de 15 dbars.

Campagne ARCANE 98

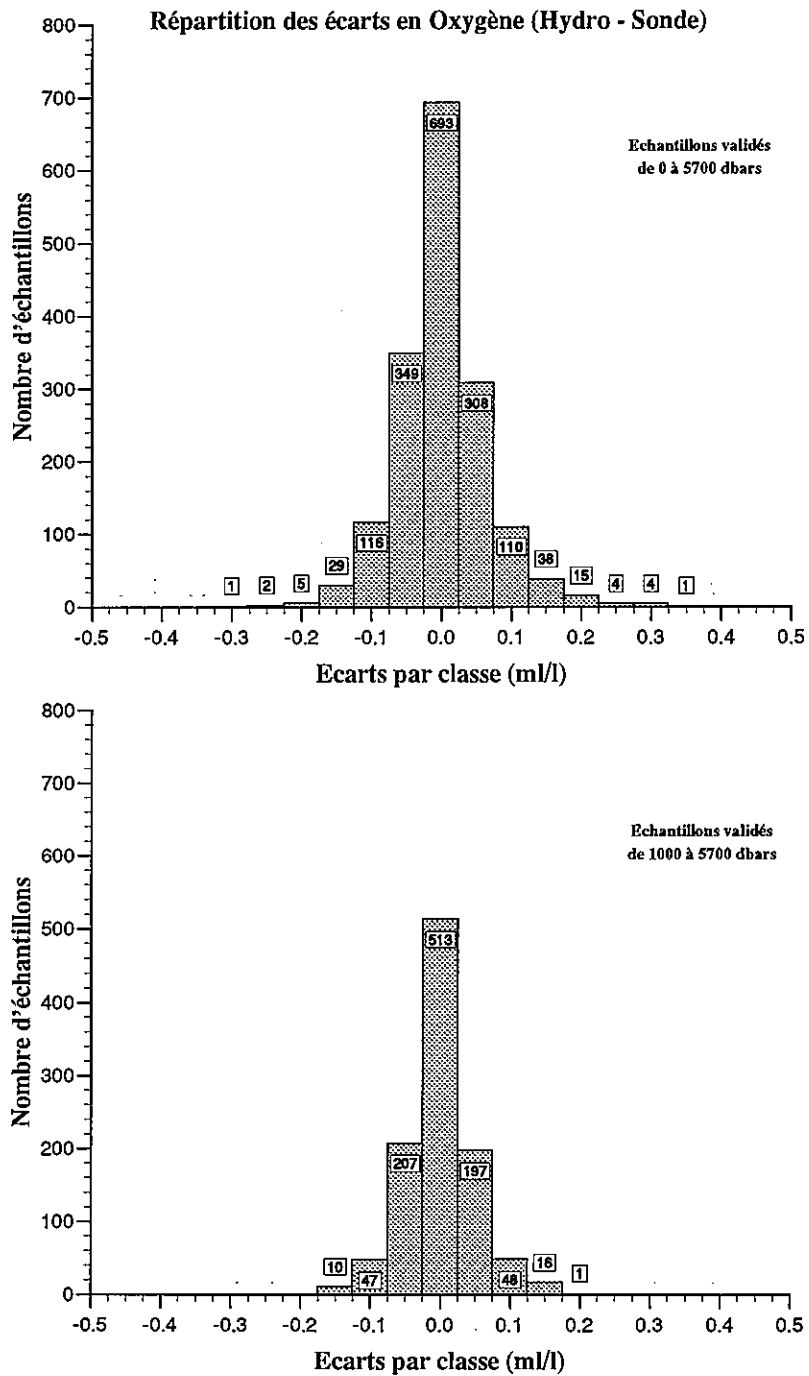


Figure III-20

Histogrammes des écarts en oxygène (en ml/l) entre la valeur mesurée sur les échantillons validés et celle du profil descente " bathysonde " à la pression du prélèvement (mesures finales) :

- pour la totalité des 1675 échantillons validés sur la campagne,
- pour les 1039 échantillons validés et prélevés à pression supérieure à 980 dbars.

Campagne ARCANE 98

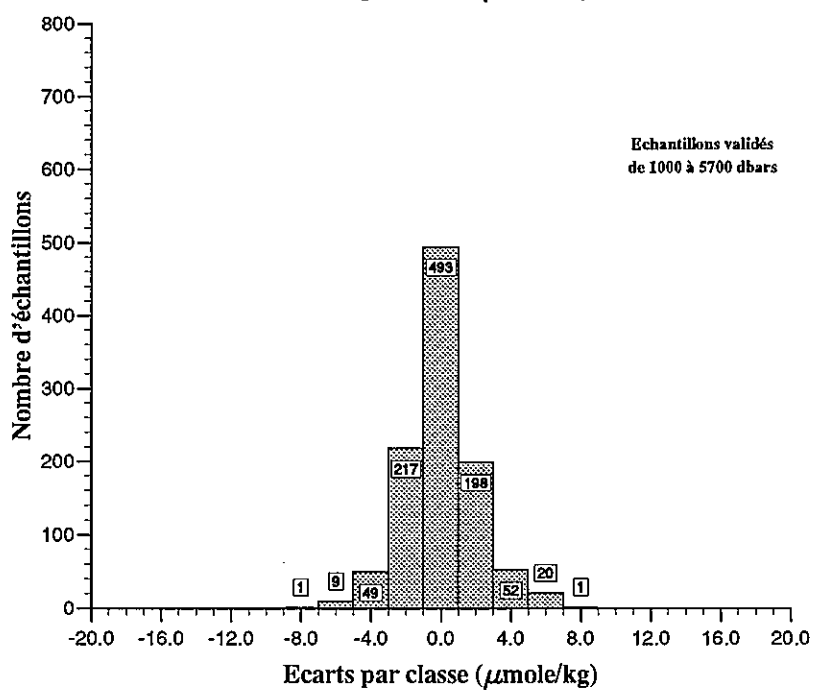
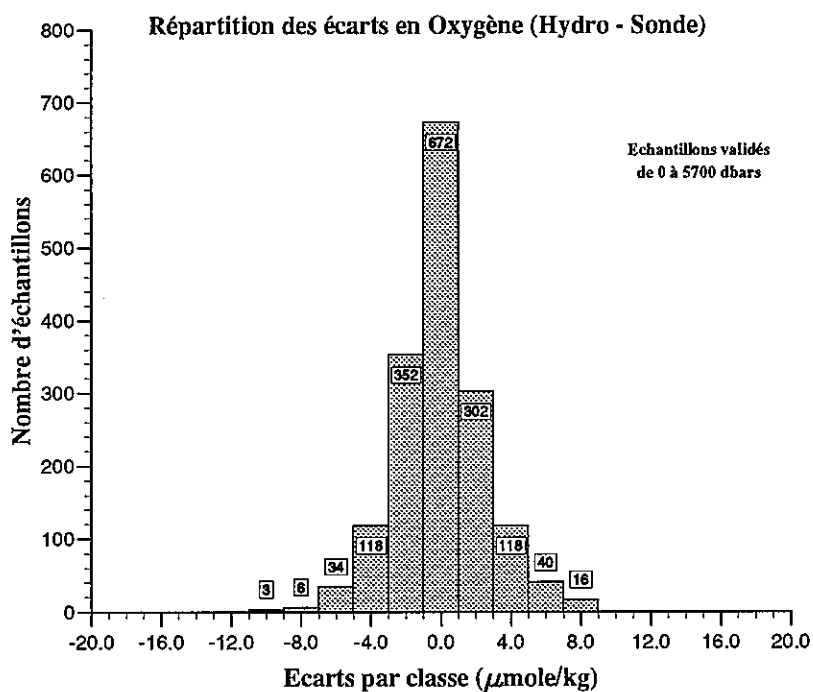
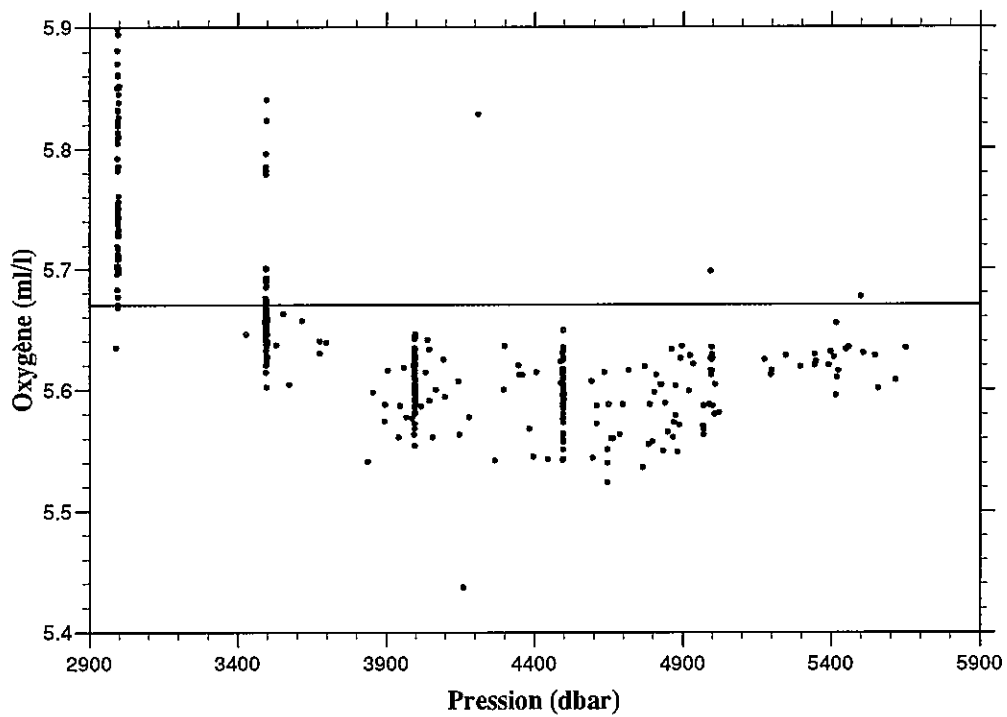


Figure III-21

Même légende que *figure III-20* pour les écarts exprimés dans l'unité $\mu\text{mol/kg}$

ARCANE 98 : Mesures d'Oxygène dissous Winkler



ARCANE 98 : Profils d'Oxygène dissous

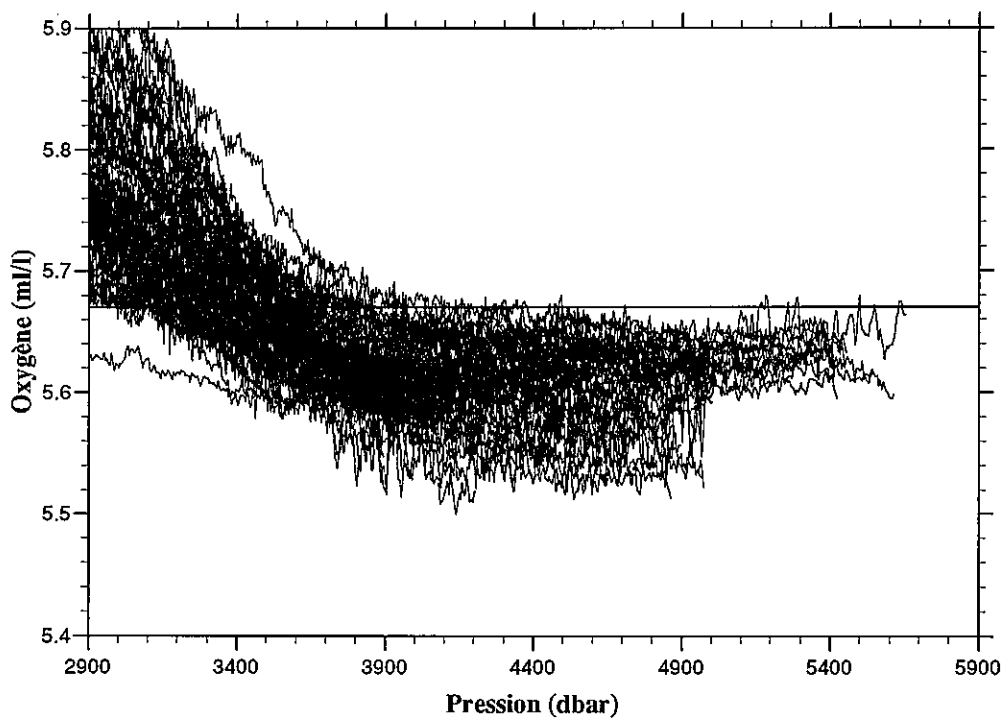


Figure III-22

Ensemble des mesures d'oxygène dissous de la campagne à pression supérieure à 3000 dbars.

a) mesures "chimie" obtenues sur les prélèvements,

b) mesures en continu sur les profils descente de la sonde.

Le trait représente la valeur référence préconisée par Saunders (1986) dans l'Atlantique Nord-Est.

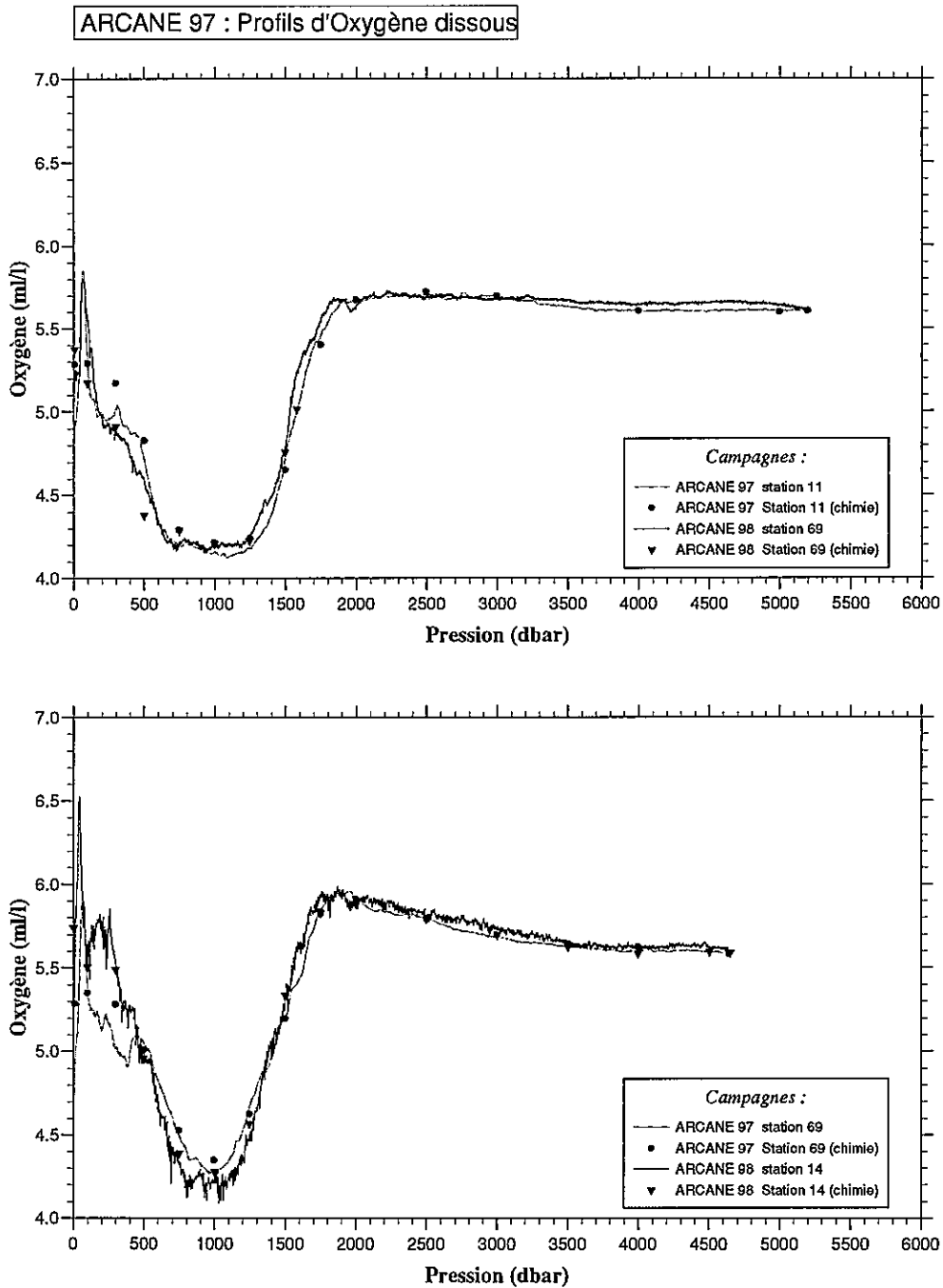


Figure III-23

Comparaison de profils d'oxygène dissous obtenus par des stations réalisées à la même position géographique.

- a) station 11 d'ARANE 97 et station 69 d'ARCANE 98,
- b) station 64 d'ARCANE 97 et station 14 d'ARCANE 98.



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V. LISTINGS ET FIGURES DES PARAMÈTRES BATHYSONDE

Remarques

a) Descriptif des stations

- La latitude et la longitude indiquent le positionnement du navire en station au moment où la bathysonde est au voisinage du fond.
- La profondeur est la hauteur d'eau déduite de la mesure du sondeur EK 500 après correction. Cette mesure est obtenue en début de station, avant mise à l'eau de la bathysonde.

b) Les mesures de température, de salinité et d'oxygène dissous sont celles du profil descente, sauf dans le cas de la station 87 où *température et salinité* sont extraites du profil montée de la bathysonde.

c) Les stations 58 et 72 ne comportent pas de profil d'oxygène dissous.

d) Le profil d'oxygène dissous n'a pu être validé près de la surface dans le cas de 6 stations. Le tableau, ci-dessous, indique l'épaisseur de la couche d'eau dans laquelle les valeurs ont été éliminées :

Station	Niveaux absents
27	179
40	104
41	126
42	72
97	120
101	99

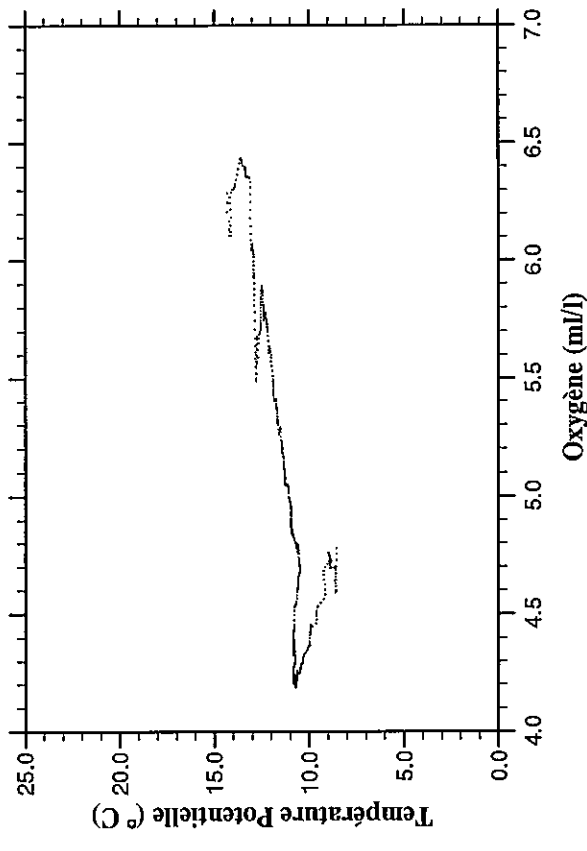
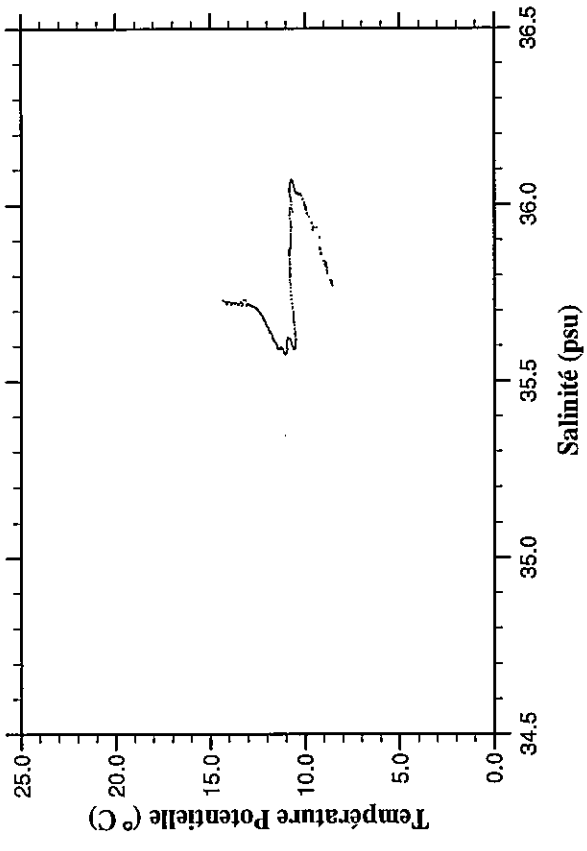
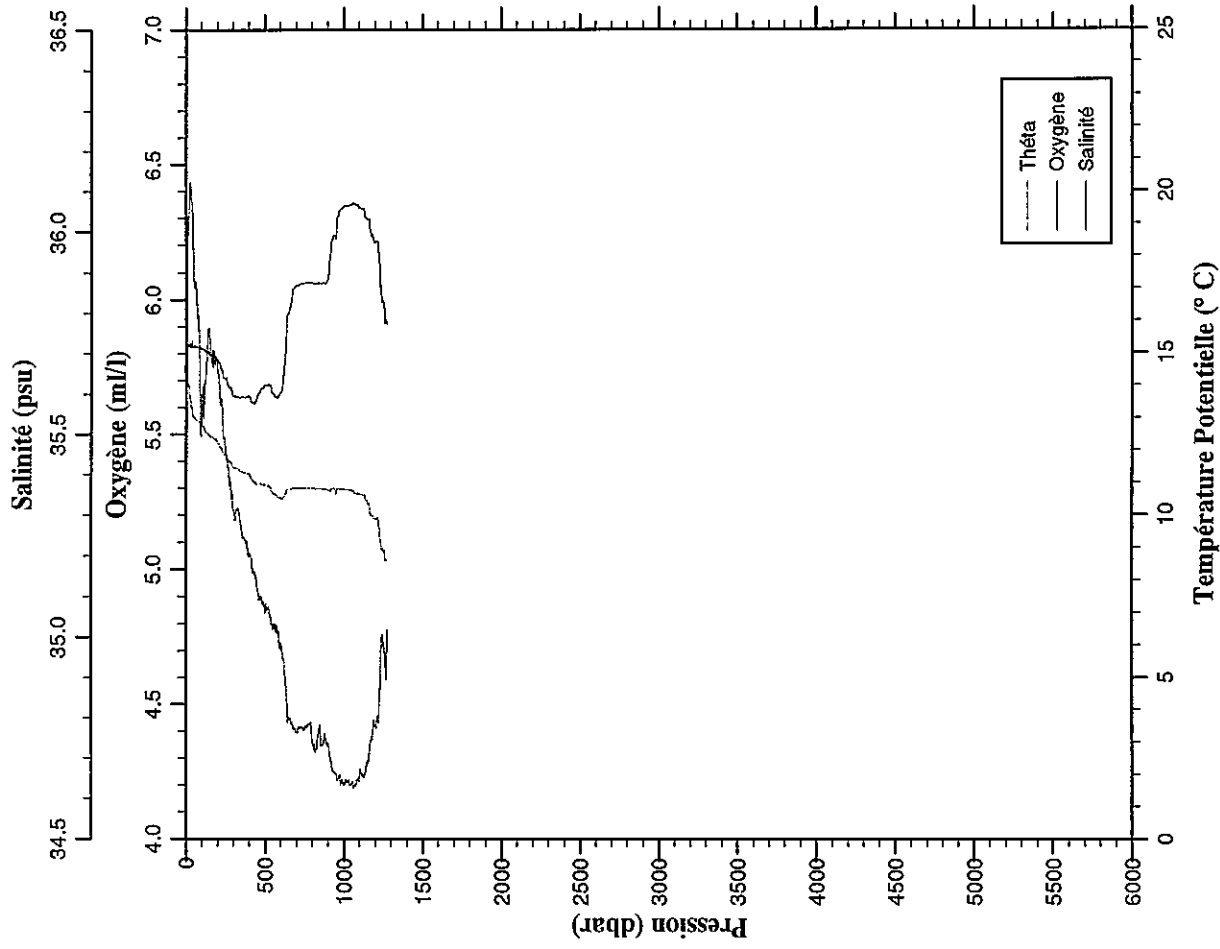
e) Les mesures présentées sont extraites des fichiers de type .clc. Aux niveaux de pression absents (moyenne non calculée dans l'acquisition des données en temps réel), les mesures sont interpolées. Près de la surface, les mesures sont extrapolées jusqu'au niveau 1, en recopiant celles du premier niveau réduit.

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

f) Les listings et tracés présentent les résultats en fonction de la pression (en dbar).

Station	: 1	Campagne	: ARCANE 98
Date	: 14-05-98	Navire	: LA THALASSA
Profondeur	: 1281	Organisme	: IFREMER
Position	: N 44 12.72		
	W 9 0.63		

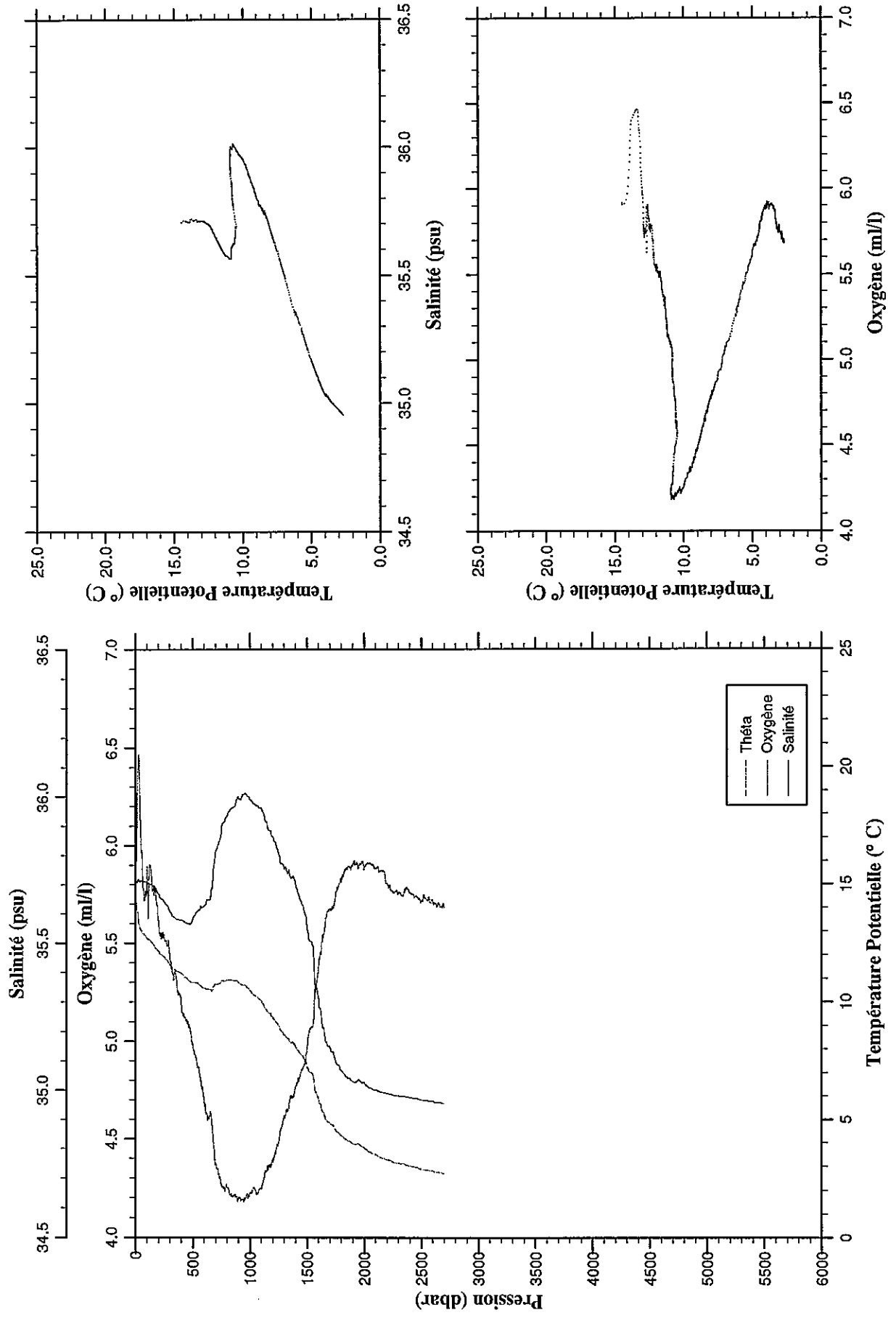
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	14.312	35.730	6.29	14.312
10.0	14.131	35.720	6.18	14.129
20.0	13.841	35.723	6.34	13.838
30.0	13.418	35.724	6.40	13.414
40.0	13.113	35.717	6.34	13.108
50.0	13.064	35.718	6.05	13.057
100.0	12.795	35.713	5.60	12.781
150.0	12.463	35.697	5.85	12.443
200.0	12.263	35.683	5.74	12.237
250.0	11.913	35.639	5.44	11.880
300.0	11.503	35.595	5.22	11.465
350.0	11.390	35.593	5.14	11.346
400.0	11.312	35.596	5.06	11.261
450.0	11.013	35.594	4.93	10.956
500.0	10.998	35.622	4.84	10.935
550.0	10.764	35.602	4.78	10.695
600.0	10.594	35.604	4.71	10.520
650.0	10.866	35.798	4.45	10.784
700.0	10.930	35.868	4.40	10.841
750.0	10.941	35.874	4.42	10.845
800.0	10.934	35.873	4.36	10.832
850.0	10.931	35.874	4.39	10.823
900.0	10.888	35.885	4.35	10.773
950.0	10.790	35.982	4.24	10.669
1000.0	10.938	36.062	4.20	10.809
1050.0	10.899	36.067	4.21	10.763
1100.0	10.784	36.060	4.25	10.643
1150.0	10.532	36.032	4.29	10.387
1200.0	10.048	35.975	4.42	9.900
1250.0	8.986	35.814	4.73	8.841
1276.0	8.703	35.772	4.78	8.557



Station 1

Station	: 2	Campagne	: ARCANE 98
Date	: 14-05-98	Navire	: LA THALASSA
Profondeur	: 2667	Organisme	: IFREMER
Position	: N 44 19.13		
	W 9 10.73		

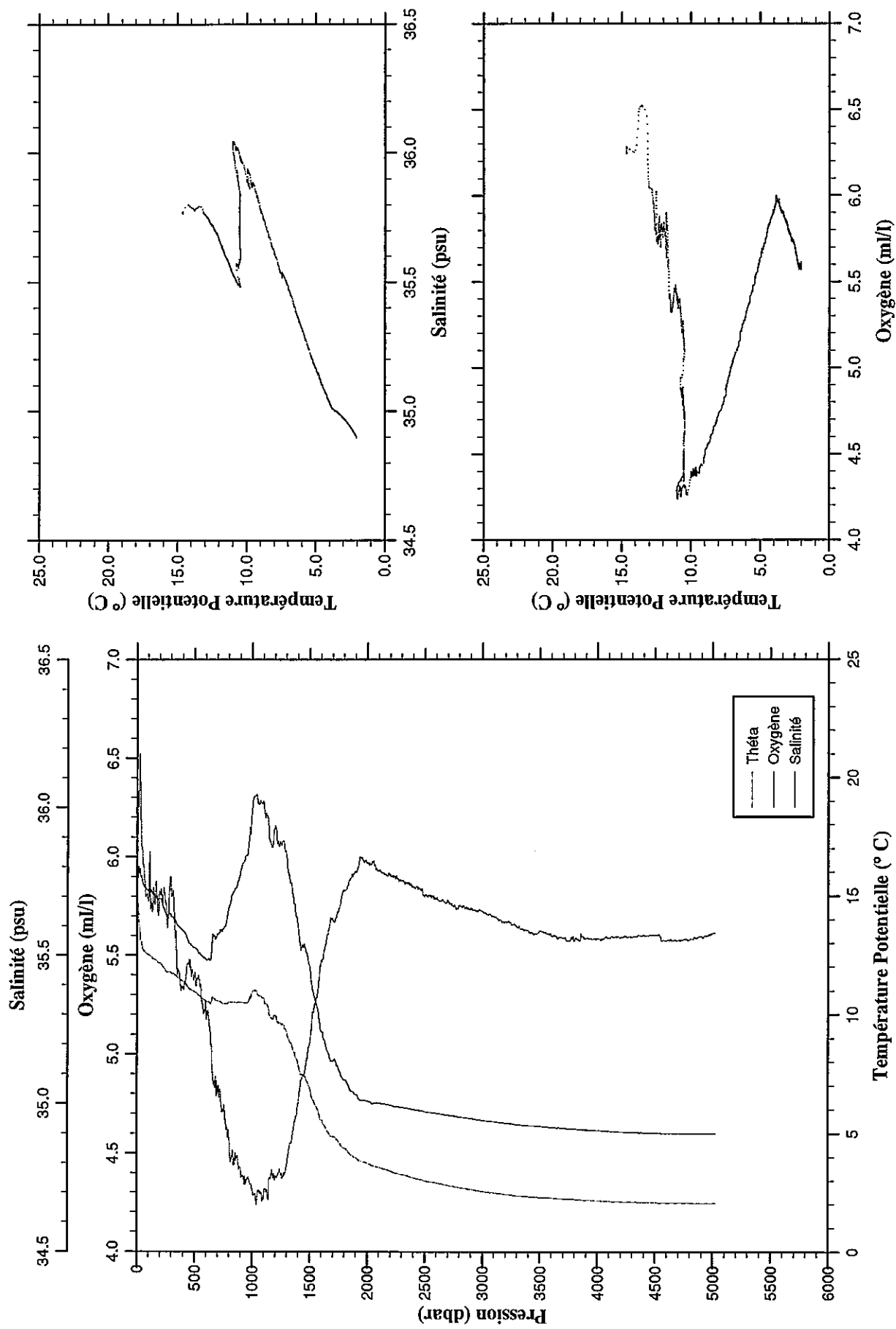
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	14.472	35.706	5.92	14.472
10.0	14.054	35.711	6.01	14.053
20.0	13.811	35.717	6.40	13.808
30.0	13.293	35.710	6.40	13.289
40.0	13.127	35.710	6.15	13.121
50.0	13.044	35.714	5.96	13.037
100.0	12.730	35.706	5.86	12.716
150.0	12.507	35.697	5.77	12.487
200.0	12.200	35.668	5.62	12.173
250.0	11.955	35.641	5.54	11.922
300.0	11.651	35.608	5.43	11.612
350.0	11.388	35.584	5.34	11.343
400.0	11.274	35.578	5.19	11.224
450.0	11.062	35.567	5.10	11.006
500.0	10.909	35.584	4.98	10.846
550.0	10.848	35.613	4.86	10.780
600.0	10.674	35.628	4.70	10.599
650.0	10.630	35.648	4.64	10.550
700.0	10.859	35.816	4.37	10.771
750.0	11.003	35.894	4.27	10.908
800.0	11.038	35.936	4.26	10.935
850.0	11.048	35.964	4.21	10.939
900.0	10.957	35.997	4.20	10.841
950.0	10.853	36.010	4.20	10.732
1000.0	10.624	35.990	4.23	10.498
1050.0	10.388	35.971	4.24	10.257
1100.0	10.189	35.959	4.25	10.052
1150.0	9.751	35.899	4.35	9.611
1200.0	9.513	35.862	4.39	9.370
1250.0	9.159	35.804	4.48	9.013
1300.0	8.753	35.757	4.62	8.604
1350.0	8.464	35.733	4.69	8.312
1400.0	8.253	35.698	4.77	8.097
1450.0	7.911	35.635	4.85	7.752
1500.0	7.397	35.547	4.97	7.238
1550.0	7.080	35.491	5.08	6.919
1600.0	6.053	35.315	5.38	5.899
1650.0	5.356	35.199	5.56	5.205
1700.0	4.997	35.142	5.68	4.845
1750.0	4.678	35.097	5.76	4.526
1800.0	4.461	35.066	5.84	4.306
1850.0	4.272	35.045	5.88	4.116
1900.0	4.130	35.029	5.91	3.970
1950.0	4.117	35.037	5.89	3.953
2000.0	3.951	35.026	5.89	3.784
2050.0	3.777	35.008	5.91	3.608
2100.0	3.672	35.001	5.88	3.499
2150.0	3.541	34.993	5.87	3.366
2200.0	3.455	34.988	5.81	3.277
2250.0	3.371	34.984	5.76	3.189
2300.0	3.316	34.981	5.76	3.130
2350.0	3.301	34.980	5.76	3.110
2400.0	3.216	34.975	5.76	3.022
2450.0	3.172	34.972	5.74	2.974
2500.0	3.083	34.967	5.72	2.881
2550.0	3.055	34.965	5.72	2.849
2600.0	3.014	34.962	5.71	2.803
2650.0	2.971	34.959	5.70	2.757
2699.0	2.924	34.956	5.68	2.706



Station 2

Station	: 3	Campagne	: ARCANE 98
Date	: 14-05-98	Navire	: LA THALASSA
Profondeur	: 4945	Organisme	: IFREMER
Position	: N 44 34.10		
	W 9 46.85		

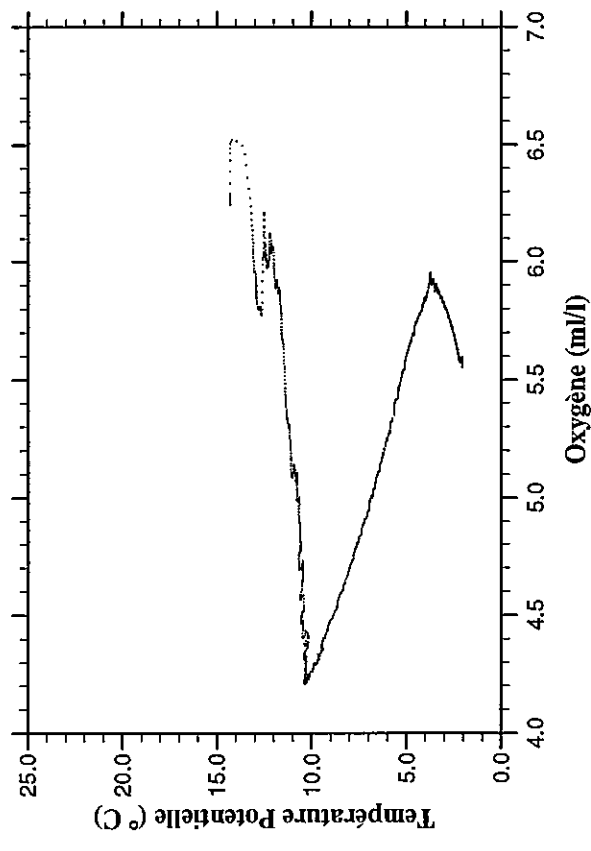
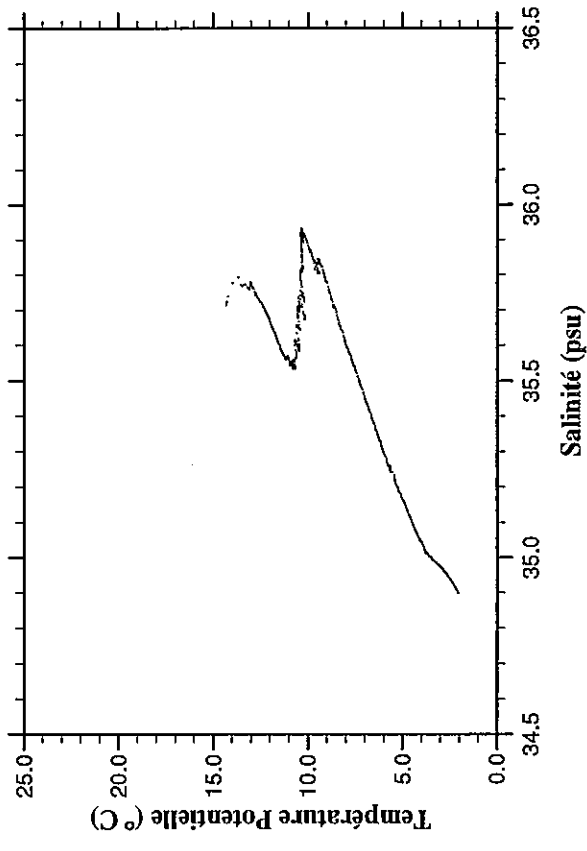
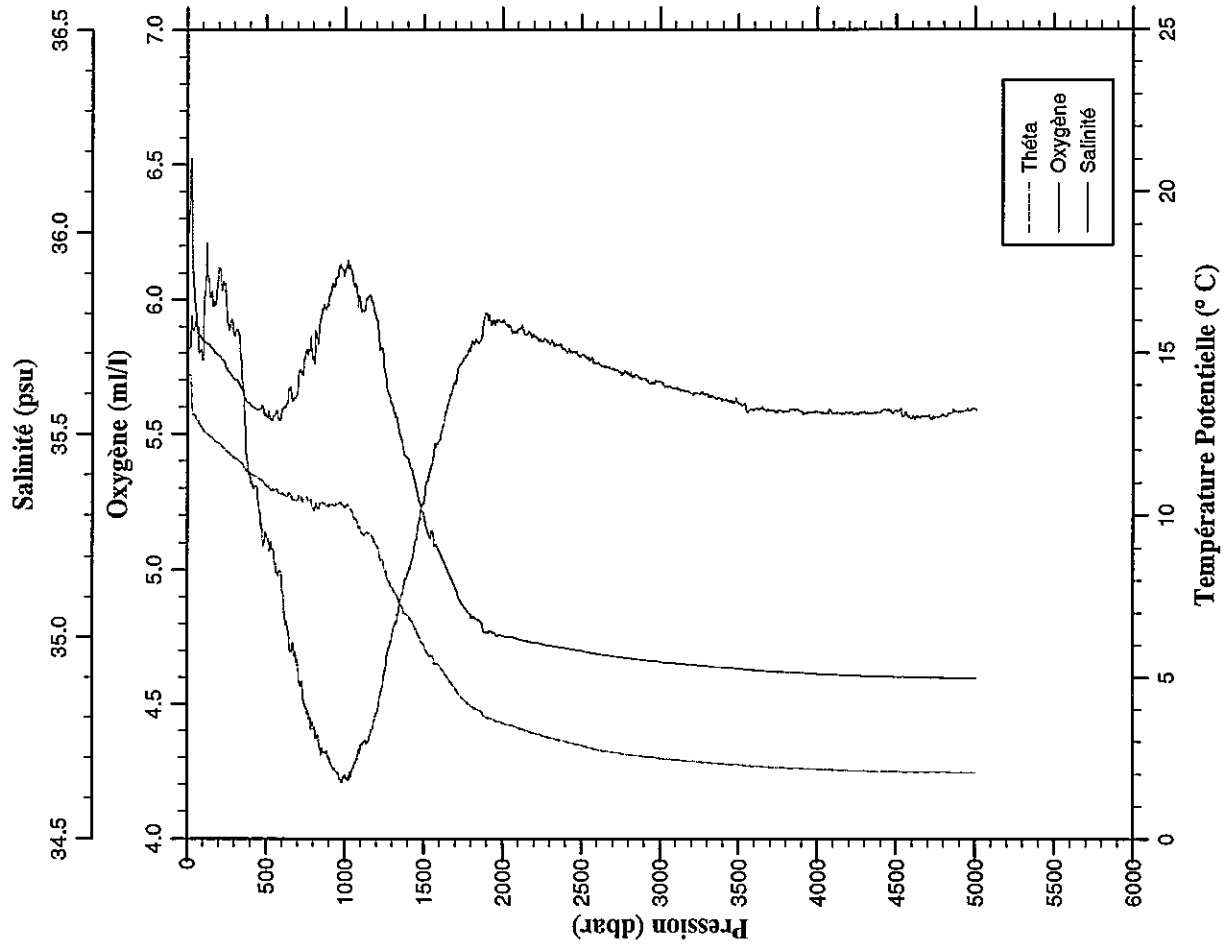
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	14.657	35.770	6.24	14.657	3050.0	2.772	34.943	5.71	2.521
10.0	14.625	35.773	6.28	14.623	3100.0	2.757	34.941	5.70	2.501
20.0	13.793	35.779	6.49	13.790	3150.0	2.724	34.938	5.68	2.464
30.0	13.140	35.769	6.27	13.136	3200.0	2.698	34.936	5.67	2.433
40.0	13.058	35.762	6.06	13.052	3250.0	2.683	34.934	5.66	2.413
50.0	12.765	35.741	5.97	12.758	3300.0	2.647	34.931	5.64	2.372
100.0	12.537	35.719	5.77	12.523	3350.0	2.634	34.929	5.63	2.354
150.0	12.358	35.704	5.80	12.338	3400.0	2.622	34.927	5.62	2.338
200.0	12.206	35.693	5.82	12.179	3450.0	2.617	34.926	5.61	2.327
250.0	11.871	35.640	5.77	11.838	3500.0	2.605	34.925	5.63	2.309
300.0	11.779	35.630	5.80	11.740	3550.0	2.590	34.923	5.61	2.290
350.0	11.611	35.603	5.41	11.566	3600.0	2.583	34.922	5.60	2.277
400.0	11.438	35.584	5.34	11.387	3650.0	2.570	34.920	5.58	2.259
450.0	11.156	35.542	5.48	11.099	3700.0	2.558	34.919	5.59	2.242
500.0	11.021	35.526	5.41	10.958	3750.0	2.547	34.917	5.57	2.226
550.0	10.834	35.504	5.35	10.765	3800.0	2.545	34.916	5.58	2.218
600.0	10.628	35.485	5.19	10.554	3850.0	2.533	34.915	5.59	2.201
650.0	10.754	35.521	4.94	10.672	3900.0	2.524	34.914	5.58	2.187
700.0	10.654	35.569	4.82	10.567	3950.0	2.521	34.912	5.58	2.178
750.0	10.557	35.591	4.71	10.464	4000.0	2.514	34.911	5.58	2.165
800.0	10.615	35.667	4.57	10.515	4050.0	2.505	34.910	5.58	2.151
850.0	10.623	35.724	4.47	10.517	4100.0	2.498	34.909	5.59	2.138
900.0	10.643	35.789	4.42	10.530	4150.0	2.494	34.907	5.59	2.128
950.0	10.619	35.838	4.35	10.500	4200.0	2.489	34.906	5.59	2.118
1000.0	11.088	35.994	4.31	10.958	4250.0	2.486	34.906	5.59	2.109
1050.0	10.964	36.013	4.30	10.828	4300.0	2.487	34.905	5.59	2.104
1100.0	10.831	36.020	4.28	10.690	4350.0	2.487	34.904	5.60	2.098
1150.0	10.118	35.891	4.37	9.975	4400.0	2.487	34.903	5.60	2.092
1200.0	10.111	35.938	4.38	9.962	4450.0	2.488	34.903	5.60	2.087
1250.0	9.742	35.873	4.39	9.590	4500.0	2.489	34.903	5.60	2.082
1300.0	9.394	35.828	4.44	9.239	4550.0	2.492	34.902	5.57	2.078
1350.0	8.761	35.708	4.59	8.606	4600.0	2.494	34.902	5.57	2.075
1400.0	8.041	35.597	4.75	7.887	4650.0	2.496	34.901	5.57	2.070
1450.0	7.589	35.537	4.90	7.434	4700.0	2.500	34.901	5.57	2.068
1500.0	7.044	35.461	5.06	6.889	4750.0	2.504	34.901	5.58	2.066
1550.0	6.335	35.344	5.27	6.182	4800.0	2.507	34.901	5.58	2.062
1600.0	5.697	35.242	5.48	5.547	4850.0	2.509	34.900	5.59	2.058
1650.0	5.279	35.179	5.60	5.128	4900.0	2.515	34.900	5.59	2.058
1700.0	5.023	35.146	5.67	4.871	4950.0	2.521	34.900	5.60	2.058
1750.0	4.811	35.116	5.73	4.656	5000.0	2.528	34.900	5.61	2.058
1800.0	4.547	35.080	5.83	4.391	5022.0	2.531	34.900	5.61	2.058
1850.0	4.276	35.045	5.89	4.119					
1900.0	4.141	35.030	5.93	3.981					
1950.0	4.002	35.012	5.99	3.839					
2000.0	3.929	35.011	5.97	3.763					
2050.0	3.806	35.002	5.97	3.637					
2100.0	3.759	35.003	5.93	3.585					
2150.0	3.687	35.001	5.91	3.509					
2200.0	3.603	34.996	5.91	3.422					
2250.0	3.526	34.991	5.90	3.341					
2300.0	3.469	34.988	5.88	3.281					
2350.0	3.417	34.986	5.87	3.225					
2400.0	3.343	34.981	5.85	3.146					
2450.0	3.284	34.979	5.84	3.084					
2500.0	3.203	34.973	5.81	2.999					
2550.0	3.168	34.971	5.79	2.960					
2600.0	3.128	34.969	5.79	2.916					
2650.0	3.087	34.966	5.78	2.871					
2700.0	3.031	34.962	5.77	2.810					
2750.0	2.993	34.959	5.75	2.768					
2800.0	2.944	34.956	5.76	2.715					
2850.0	2.908	34.953	5.74	2.675					
2900.0	2.881	34.951	5.74	2.644					
2950.0	2.832	34.948	5.73	2.590					
3000.0	2.802	34.945	5.72	2.556					



Station 3

Station	: 4	Campagne	: ARCANE 98
Date	: 14-05-98	Navire	: LA THALASSA
Profondeur	: 4936	Organisme	: IFREMER
Position	: N 44 25.98		
	W 9 28.73		

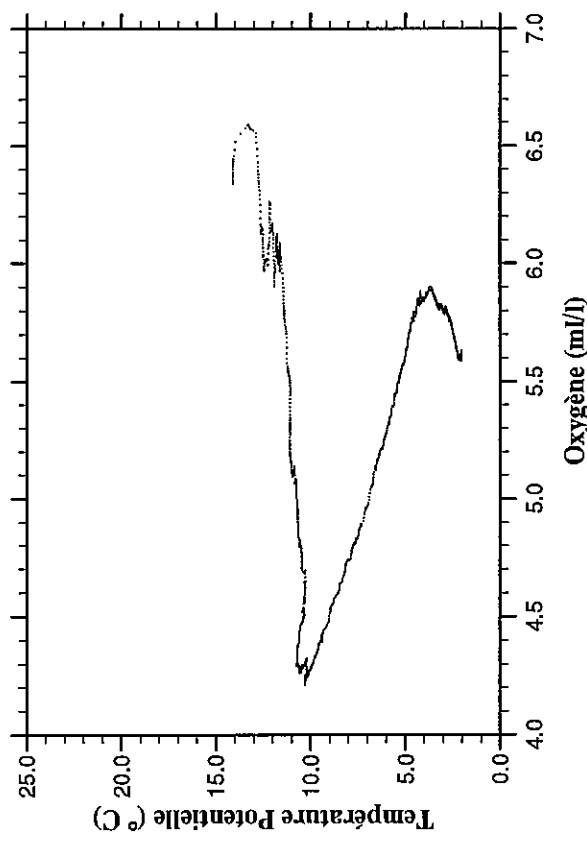
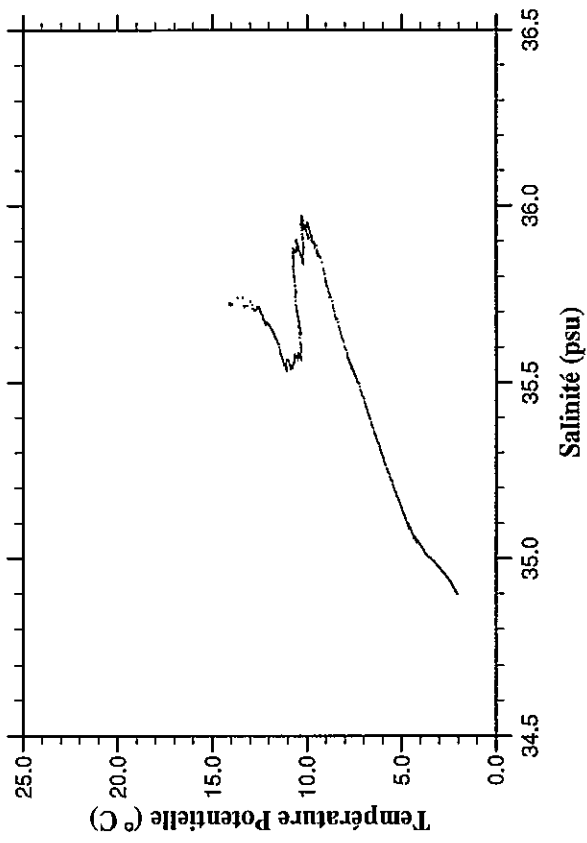
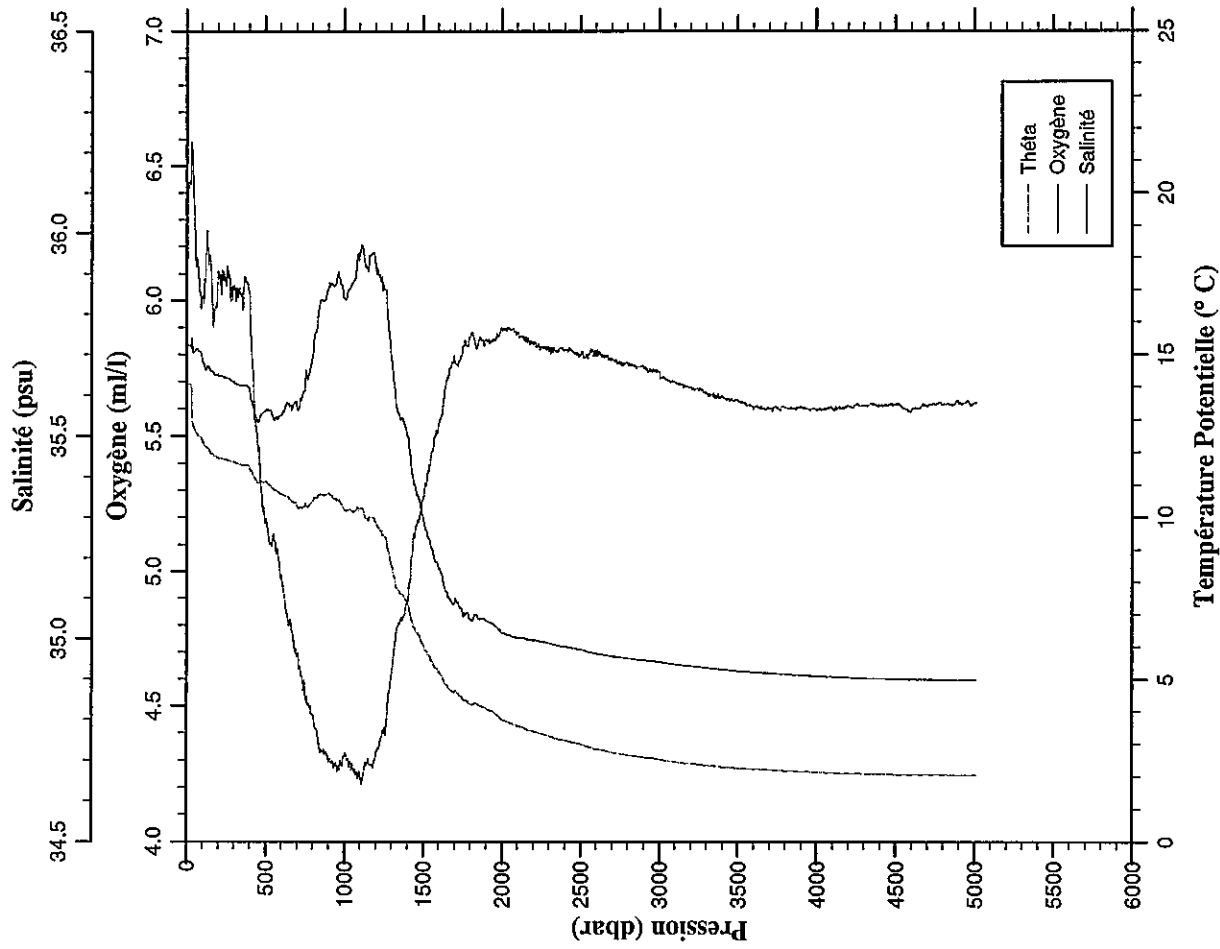
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	14.330	35.714	6.24	14.330	3050.0	2.722	34.938	5.68	2.472
10.0	14.334	35.714	6.28	14.333	3100.0	2.708	34.937	5.67	2.453
20.0	14.316	35.718	6.49	14.313	3150.0	2.686	34.935	5.66	2.427
30.0	13.276	35.772	6.27	13.272	3200.0	2.672	34.933	5.65	2.407
40.0	13.110	35.759	6.06	13.104	3250.0	2.650	34.931	5.65	2.380
50.0	13.073	35.778	5.97	13.066	3300.0	2.636	34.930	5.65	2.361
100.0	12.665	35.736	5.77	12.652	3350.0	2.623	34.928	5.64	2.343
150.0	12.434	35.715	6.01	12.414	3400.0	2.612	34.926	5.63	2.327
200.0	12.258	35.697	6.12	12.232	3450.0	2.600	34.925	5.62	2.311
250.0	12.021	35.663	5.96	11.988	3500.0	2.589	34.923	5.61	2.294
300.0	11.802	35.635	5.88	11.762	3550.0	2.569	34.921	5.58	2.270
350.0	11.634	35.611	5.69	11.588	3600.0	2.561	34.920	5.59	2.256
400.0	11.349	35.573	5.34	11.298	3650.0	2.548	34.918	5.60	2.238
450.0	11.197	35.562	5.24	11.140	3700.0	2.533	34.916	5.59	2.218
500.0	10.974	35.546	5.13	10.912	3750.0	2.529	34.916	5.59	2.208
550.0	10.853	35.544	5.03	10.784	3800.0	2.527	34.915	5.59	2.200
600.0	10.765	35.559	4.92	10.690	3850.0	2.524	34.914	5.59	2.192
650.0	10.754	35.609	4.70	10.672	3900.0	2.516	34.913	5.58	2.179
700.0	10.582	35.606	4.64	10.495	3950.0	2.511	34.911	5.58	2.168
750.0	10.665	35.702	4.49	10.571	4000.0	2.504	34.910	5.58	2.155
800.0	10.324	35.690	4.41	10.226	4050.0	2.498	34.910	5.58	2.144
850.0	10.493	35.789	4.32	10.388	4100.0	2.498	34.909	5.58	2.139
900.0	10.449	35.840	4.30	10.337	4150.0	2.494	34.907	5.57	2.128
950.0	10.473	35.888	4.24	10.354	4200.0	2.490	34.907	5.58	2.119
1000.0	10.399	35.905	4.24	10.275	4250.0	2.488	34.906	5.57	2.111
1050.0	10.178	35.895	4.26	10.048	4300.0	2.484	34.905	5.58	2.101
1100.0	9.644	35.813	4.34	9.512	4350.0	2.485	34.904	5.58	2.096
1150.0	9.601	35.839	4.37	9.463	4400.0	2.485	34.903	5.58	2.090
1200.0	9.216	35.786	4.47	9.075	4450.0	2.486	34.903	5.59	2.086
1250.0	8.488	35.658	4.62	8.347	4500.0	2.489	34.903	5.59	2.082
1300.0	7.933	35.573	4.76	7.791	4550.0	2.491	34.902	5.57	2.078
1350.0	7.427	35.498	4.89	7.285	4600.0	2.494	34.902	5.57	2.075
1400.0	7.069	35.439	4.99	6.925	4650.0	2.497	34.902	5.56	2.072
1450.0	6.618	35.369	5.11	6.473	4700.0	2.500	34.901	5.57	2.069
1500.0	6.161	35.299	5.25	6.016	4750.0	2.504	34.901	5.56	2.065
1550.0	5.814	35.262	5.38	5.667	4800.0	2.505	34.900	5.57	2.060
1600.0	5.520	35.210	5.48	5.372	4850.0	2.510	34.900	5.58	2.059
1650.0	5.157	35.166	5.61	5.009	4900.0	2.515	34.900	5.59	2.058
1700.0	4.817	35.122	5.70	4.668	4950.0	2.522	34.900	5.60	2.058
1750.0	4.486	35.079	5.78	4.336	5000.0	2.528	34.900	5.59	2.058
1800.0	4.243	35.049	5.83	4.091	5007.0	2.530	34.900	5.59	2.058
1850.0	4.140	35.041	5.84	3.985					
1900.0	3.914	35.012	5.94	3.757					
1950.0	3.836	35.012	5.91	3.676					
2000.0	3.750	35.004	5.92	3.586					
2050.0	3.693	35.002	5.90	3.525					
2100.0	3.606	34.995	5.89	3.435					
2150.0	3.534	34.992	5.87	3.359					
2200.0	3.449	34.988	5.86	3.271					
2250.0	3.390	34.985	5.84	3.208					
2300.0	3.312	34.980	5.83	3.126					
2350.0	3.258	34.977	5.83	3.068					
2400.0	3.208	34.973	5.81	3.014					
2450.0	3.150	34.970	5.81	2.953					
2500.0	3.099	34.968	5.79	2.897					
2550.0	3.027	34.963	5.77	2.821					
2600.0	2.974	34.959	5.76	2.764					
2650.0	2.934	34.956	5.75	2.721					
2700.0	2.896	34.953	5.74	2.678					
2750.0	2.857	34.950	5.72	2.635					
2800.0	2.836	34.948	5.73	2.609					
2850.0	2.810	34.946	5.72	2.579					
2900.0	2.784	34.944	5.71	2.548					
2950.0	2.764	34.942	5.69	2.524					
3000.0	2.732	34.940	5.70	2.487					



Station 4

Station : 5 Campagne : ARCANE 98
 Date : 15-05-98 Navire : LA THALASSA
 Profondeur : 4931 Organisme : IFREMER
 Position : N 44 40.92
 W 9 29.18

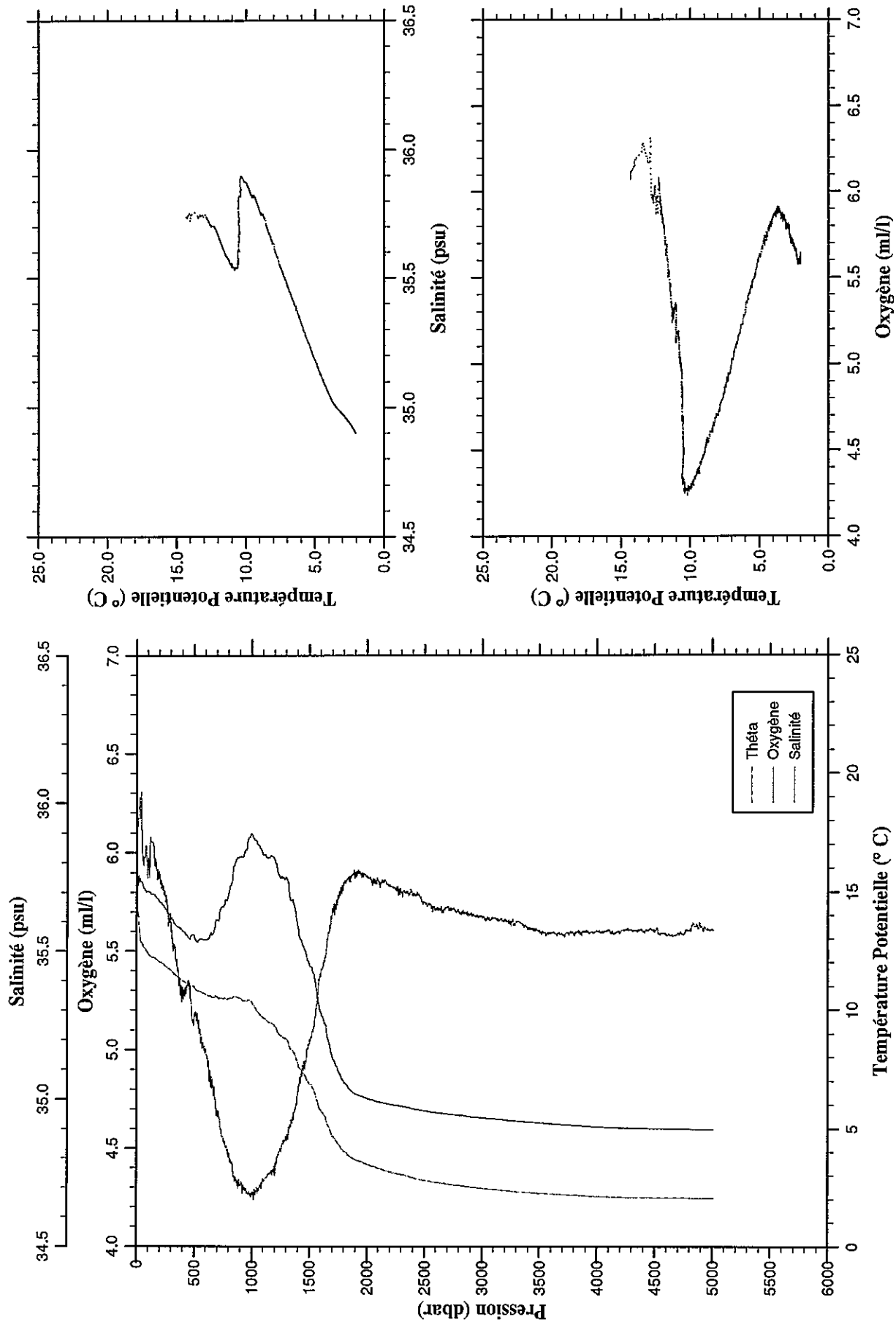
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	14.108	35.725	6.34	14.108	3050.0	2.757	34.941	5.71	2.506
10.0	14.110	35.724	6.40	14.108	3100.0	2.724	34.938	5.70	2.469
20.0	14.108	35.722	6.44	14.105	3150.0	2.696	34.936	5.68	2.436
30.0	13.431	35.741	6.58	13.427	3200.0	2.678	34.933	5.68	2.414
40.0	12.833	35.707	6.49	12.827	3250.0	2.663	34.932	5.67	2.394
50.0	12.707	35.709	6.31	12.700	3300.0	2.635	34.929	5.66	2.361
100.0	12.363	35.686	6.01	12.349	3350.0	2.619	34.927	5.64	2.340
150.0	12.037	35.662	6.15	12.017	3400.0	2.597	34.925	5.64	2.313
200.0	11.872	35.650	6.11	11.846	3450.0	2.582	34.923	5.63	2.293
250.0	11.820	35.644	6.06	11.788	3500.0	2.568	34.921	5.63	2.274
300.0	11.752	35.632	6.06	11.713	3550.0	2.558	34.920	5.62	2.259
350.0	11.683	35.625	6.03	11.638	3600.0	2.553	34.919	5.60	2.248
400.0	11.599	35.612	5.99	11.547	3650.0	2.544	34.918	5.60	2.234
450.0	11.138	35.537	5.47	11.081	3700.0	2.538	34.916	5.60	2.222
500.0	11.171	35.562	5.19	11.107	3750.0	2.527	34.914	5.61	2.206
550.0	10.947	35.540	5.14	10.877	3800.0	2.522	34.914	5.61	2.196
600.0	10.801	35.551	4.99	10.726	3850.0	2.514	34.913	5.60	2.182
650.0	10.675	35.573	4.80	10.595	3900.0	2.508	34.912	5.61	2.171
700.0	10.429	35.569	4.69	10.343	3950.0	2.501	34.910	5.60	2.158
750.0	10.483	35.628	4.55	10.390	4000.0	2.495	34.909	5.60	2.147
800.0	10.620	35.698	4.47	10.520	4050.0	2.492	34.908	5.60	2.138
850.0	10.845	35.834	4.33	10.737	4100.0	2.487	34.907	5.60	2.128
900.0	10.852	35.871	4.30	10.738	4150.0	2.484	34.906	5.60	2.119
950.0	10.648	35.876	4.29	10.529	4200.0	2.482	34.906	5.61	2.111
1000.0	10.369	35.840	4.32	10.245	4250.0	2.479	34.905	5.62	2.102
1050.0	10.316	35.873	4.29	10.185	4300.0	2.478	34.904	5.61	2.095
1100.0	10.404	35.954	4.23	10.266	4350.0	2.479	34.904	5.62	2.091
1150.0	10.063	35.911	4.30	9.921	4400.0	2.482	34.903	5.61	2.087
1200.0	9.966	35.920	4.33	9.819	4450.0	2.483	34.902	5.61	2.083
1250.0	9.621	35.875	4.41	9.470	4500.0	2.486	34.902	5.62	2.079
1300.0	8.653	35.687	4.61	8.505	4550.0	2.486	34.901	5.60	2.073
1350.0	7.856	35.553	4.81	7.710	4600.0	2.490	34.901	5.60	2.071
1400.0	7.501	35.503	4.90	7.353	4650.0	2.495	34.901	5.60	2.069
1450.0	6.693	35.375	5.14	6.547	4700.0	2.498	34.901	5.61	2.067
1500.0	6.206	35.299	5.27	6.060	4750.0	2.502	34.900	5.62	2.064
1550.0	5.742	35.227	5.43	5.597	4800.0	2.506	34.900	5.62	2.061
1600.0	5.374	35.173	5.55	5.228	4850.0	2.510	34.899	5.62	2.059
1650.0	4.973	35.118	5.71	4.826	4900.0	2.511	34.899	5.62	2.054
1700.0	4.760	35.087	5.77	4.611	4950.0	2.517	34.899	5.63	2.054
1750.0	4.567	35.069	5.82	4.416	5000.0	2.524	34.899	5.62	2.053
1800.0	4.382	35.047	5.87	4.228	5012.0	2.525	34.899	5.62	2.054
1850.0	4.357	35.050	5.85	4.199					
1900.0	4.253	35.044	5.86	4.092					
1950.0	4.133	35.037	5.85	3.968					
2000.0	3.924	35.015	5.89	3.758					
2050.0	3.830	35.009	5.90	3.660					
2100.0	3.730	35.003	5.88	3.557					
2150.0	3.647	35.001	5.86	3.470					
2200.0	3.578	34.998	5.84	3.397					
2250.0	3.517	34.995	5.83	3.332					
2300.0	3.437	34.991	5.83	3.249					
2350.0	3.374	34.985	5.81	3.182					
2400.0	3.322	34.982	5.82	3.126					
2450.0	3.258	34.977	5.81	3.058					
2500.0	3.214	34.974	5.80	3.010					
2550.0	3.131	34.969	5.80	2.923					
2600.0	3.067	34.964	5.81	2.856					
2650.0	3.024	34.961	5.79	2.809					
2700.0	2.976	34.957	5.79	2.756					
2750.0	2.936	34.955	5.77	2.713					
2800.0	2.904	34.953	5.77	2.676					
2850.0	2.874	34.950	5.76	2.641					
2900.0	2.843	34.948	5.75	2.606					
2950.0	2.824	34.947	5.74	2.582					
3000.0	2.791	34.943	5.73	2.545					



Station 5

Station	: 6	Campagne	: ARCANE 98
Date	: 15-05-98	Navire	: LA THALASSA
Profondeur	: 4926	Organisme	: IFREMER
Position	: N 44 50.21		
	W 9 10.58		

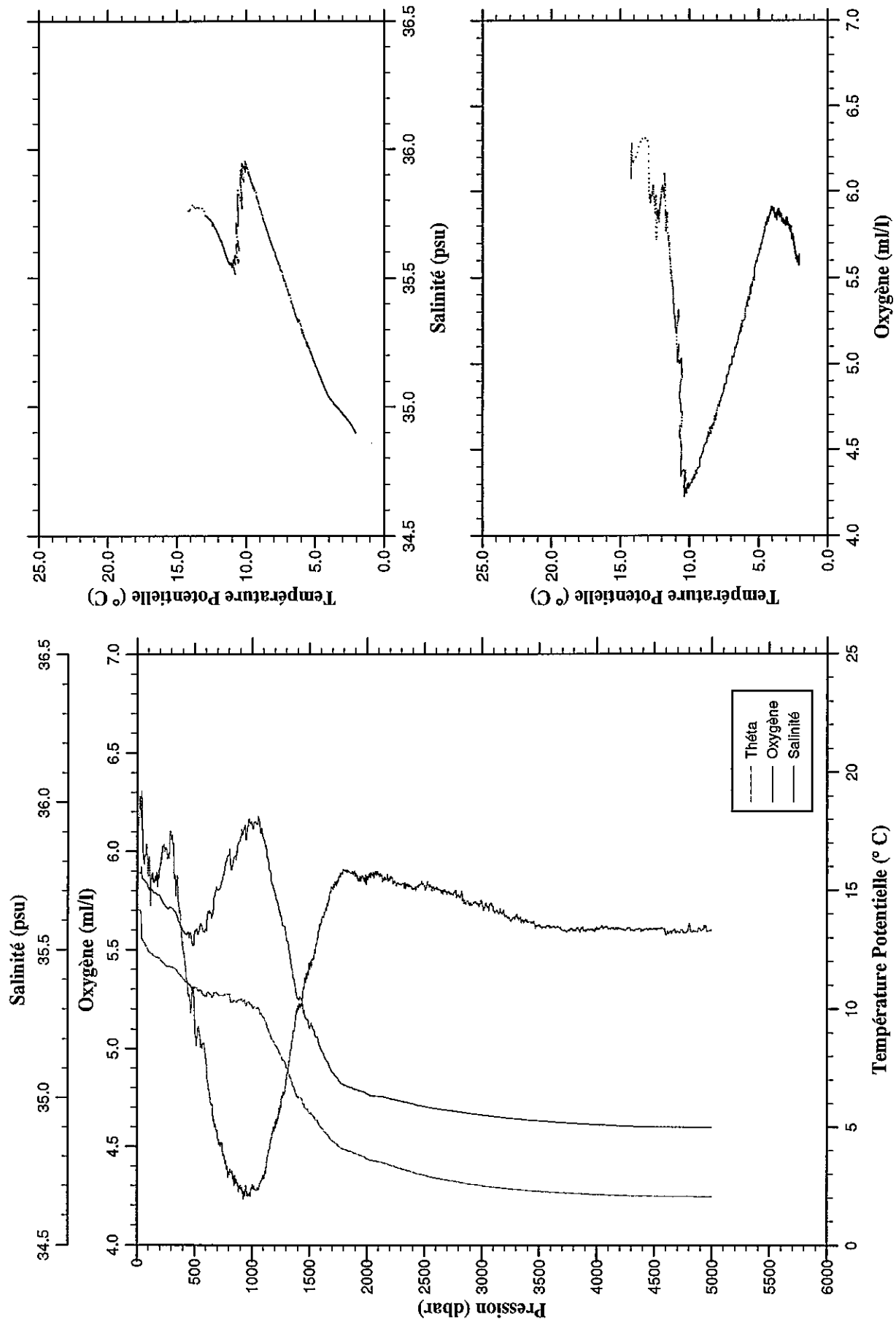
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	14.334	35.739	6.08	14.334	3050.0	2.703	34.935	5.66	2.453
10.0	14.242	35.743	6.12	14.241	3100.0	2.688	34.935	5.67	2.433
20.0	13.524	35.745	6.24	13.521	3150.0	2.667	34.933	5.66	2.408
30.0	13.086	35.739	6.18	13.082	3200.0	2.644	34.931	5.66	2.380
40.0	12.879	35.738	6.29	12.874	3250.0	2.627	34.928	5.63	2.358
50.0	12.821	35.732	5.98	12.814	3300.0	2.610	34.927	5.65	2.336
100.0	12.432	35.705	5.96	12.418	3350.0	2.602	34.926	5.63	2.324
150.0	12.251	35.695	6.03	12.231	3400.0	2.588	34.924	5.62	2.304
200.0	12.062	35.668	5.88	12.036	3450.0	2.576	34.922	5.60	2.287
250.0	11.901	35.644	5.77	11.869	3500.0	2.562	34.921	5.60	2.268
300.0	11.711	35.614	5.60	11.672	3550.0	2.558	34.919	5.59	2.259
350.0	11.486	35.586	5.46	11.441	3600.0	2.548	34.919	5.59	2.243
400.0	11.286	35.568	5.28	11.235	3650.0	2.540	34.917	5.58	2.230
450.0	11.111	35.545	5.35	11.055	3700.0	2.528	34.915	5.58	2.213
500.0	11.022	35.547	5.18	10.959	3750.0	2.519	34.914	5.59	2.199
550.0	10.858	35.541	5.11	10.790	3800.0	2.513	34.913	5.58	2.187
600.0	10.737	35.538	5.00	10.662	3850.0	2.506	34.912	5.59	2.174
650.0	10.628	35.555	4.86	10.548	3900.0	2.496	34.910	5.60	2.159
700.0	10.646	35.608	4.68	10.559	3950.0	2.488	34.909	5.60	2.146
750.0	10.589	35.653	4.54	10.495	4000.0	2.482	34.907	5.60	2.134
800.0	10.593	35.698	4.46	10.493	4050.0	2.482	34.907	5.59	2.128
850.0	10.689	35.792	4.33	10.582	4100.0	2.477	34.906	5.61	2.118
900.0	10.614	35.819	4.31	10.501	4150.0	2.474	34.905	5.59	2.109
950.0	10.501	35.843	4.29	10.382	4200.0	2.472	34.904	5.60	2.101
1000.0	10.467	35.896	4.28	10.341	4250.0	2.473	34.904	5.61	2.096
1050.0	10.069	35.862	4.27	9.940	4300.0	2.474	34.903	5.61	2.091
1100.0	9.799	35.826	4.34	9.665	4350.0	2.476	34.903	5.61	2.087
1150.0	9.625	35.816	4.37	9.487	4400.0	2.478	34.903	5.60	2.083
1200.0	9.470	35.809	4.36	9.327	4450.0	2.481	34.902	5.61	2.081
1250.0	9.069	35.749	4.49	8.923	4500.0	2.484	34.902	5.61	2.077
1300.0	8.953	35.751	4.55	8.802	4550.0	2.487	34.901	5.59	2.074
1350.0	8.502	35.676	4.63	8.349	4600.0	2.490	34.901	5.58	2.071
1400.0	7.927	35.583	4.78	7.774	4650.0	2.494	34.901	5.58	2.068
1450.0	7.463	35.515	4.90	7.310	4700.0	2.497	34.900	5.59	2.066
1500.0	7.039	35.453	5.03	6.885	4750.0	2.501	34.900	5.59	2.063
1550.0	6.648	35.396	5.17	6.492	4800.0	2.504	34.900	5.61	2.060
1600.0	5.952	35.293	5.39	5.799	4850.0	2.507	34.899	5.62	2.056
1650.0	5.447	35.221	5.52	5.295	4900.0	2.513	34.899	5.63	2.056
1700.0	4.850	35.140	5.72	4.700	4950.0	2.520	34.899	5.61	2.056
1750.0	4.500	35.096	5.78	4.350	5000.0	2.526	34.899	5.61	2.056
1800.0	4.193	35.056	5.85	4.042	5005.0	2.527	34.899	5.61	2.056
1850.0	4.002	35.035	5.88	3.849					
1900.0	3.845	35.019	5.91	3.689					
1950.0	3.764	35.011	5.90	3.605					
2000.0	3.658	35.004	5.88	3.496					
2050.0	3.591	34.999	5.85	3.424					
2100.0	3.490	34.993	5.84	3.320					
2150.0	3.420	34.988	5.86	3.246					
2200.0	3.357	34.983	5.84	3.180					
2250.0	3.290	34.979	5.81	3.109					
2300.0	3.247	34.978	5.80	3.062					
2350.0	3.191	34.974	5.80	3.002					
2400.0	3.119	34.970	5.80	2.927					
2450.0	3.064	34.965	5.79	2.867					
2500.0	3.016	34.962	5.75	2.815					
2550.0	2.975	34.960	5.74	2.770					
2600.0	2.939	34.956	5.72	2.730					
2650.0	2.910	34.953	5.70	2.696					
2700.0	2.875	34.952	5.73	2.658					
2750.0	2.840	34.948	5.72	2.618					
2800.0	2.823	34.947	5.70	2.597					
2850.0	2.801	34.945	5.69	2.570					
2900.0	2.764	34.942	5.69	2.529					
2950.0	2.753	34.941	5.69	2.513					
3000.0	2.728	34.939	5.67	2.483					



Station 6

Station	: 7	Campagne	: ARCANE 98
Date	: 15-05-98	Navire	: LA THALASSA
Profondeur	: 4927	Organisme	: IFREMER
Position	: N 44 33.99		
	W 9 10.45		

PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	14.204	35.761	6.08	14.204	3050.0	2.734	34.940	5.72	2.484
10.0	14.208	35.760	6.12	14.206	3100.0	2.713	34.938	5.70	2.458
20.0	14.206	35.761	6.24	14.203	3150.0	2.696	34.935	5.69	2.436
30.0	14.143	35.761	6.18	14.139	3200.0	2.669	34.933	5.67	2.404
40.0	13.050	35.759	6.29	13.044	3250.0	2.651	34.930	5.65	2.382
50.0	12.911	35.739	5.98	12.904	3300.0	2.633	34.929	5.68	2.359
100.0	12.451	35.706	5.96	12.437	3350.0	2.615	34.927	5.64	2.336
150.0	12.267	35.694	5.84	12.248	3400.0	2.594	34.925	5.64	2.310
200.0	12.129	35.678	5.93	12.103	3450.0	2.585	34.924	5.64	2.296
250.0	11.879	35.646	6.02	11.846	3500.0	2.576	34.922	5.63	2.282
300.0	11.820	35.642	6.07	11.780	3550.0	2.568	34.921	5.61	2.268
350.0	11.635	35.609	5.87	11.590	3600.0	2.557	34.920	5.62	2.252
400.0	11.338	35.563	5.48	11.287	3650.0	2.547	34.918	5.62	2.237
450.0	11.084	35.545	5.27	11.027	3700.0	2.540	34.917	5.60	2.224
500.0	10.985	35.565	5.14	10.922	3750.0	2.527	34.915	5.60	2.207
550.0	10.885	35.583	5.03	10.816	3800.0	2.521	34.915	5.60	2.194
600.0	10.615	35.570	4.94	10.541	3850.0	2.512	34.911	5.59	2.180
650.0	10.589	35.614	4.71	10.509	3900.0	2.505	34.911	5.60	2.168
700.0	10.707	35.704	4.53	10.619	3950.0	2.499	34.910	5.60	2.156
750.0	10.669	35.754	4.46	10.575	4000.0	2.497	34.909	5.60	2.149
800.0	10.726	35.823	4.36	10.626	4050.0	2.496	34.908	5.61	2.142
850.0	10.452	35.817	4.35	10.346	4100.0	2.493	34.907	5.61	2.133
900.0	10.513	35.882	4.30	10.400	4150.0	2.487	34.907	5.61	2.121
950.0	10.292	35.882	4.28	10.174	4200.0	2.481	34.906	5.61	2.110
1000.0	10.245	35.921	4.29	10.121	4250.0	2.480	34.905	5.60	2.103
1050.0	10.217	35.941	4.29	10.087	4300.0	2.479	34.904	5.61	2.096
1100.0	9.786	35.876	4.35	9.653	4350.0	2.479	34.903	5.60	2.091
1150.0	9.150	35.769	4.49	9.015	4400.0	2.481	34.903	5.60	2.086
1200.0	8.647	35.687	4.63	8.511	4450.0	2.483	34.902	5.60	2.082
1250.0	8.184	35.611	4.70	8.047	4500.0	2.486	34.902	5.61	2.079
1300.0	7.656	35.532	4.87	7.517	4550.0	2.489	34.902	5.61	2.076
1350.0	7.028	35.432	5.04	6.890	4600.0	2.493	34.901	5.57	2.074
1400.0	6.421	35.339	5.21	6.284	4650.0	2.497	34.901	5.59	2.071
1450.0	6.103	35.294	5.31	5.964	4700.0	2.500	34.901	5.59	2.068
1500.0	5.719	35.238	5.41	5.579	4750.0	2.503	34.901	5.59	2.065
1550.0	5.434	35.207	5.50	5.292	4800.0	2.508	34.900	5.63	2.063
1600.0	5.130	35.163	5.64	4.987	4850.0	2.510	34.900	5.59	2.059
1650.0	4.852	35.125	5.73	4.707	4900.0	2.515	34.900	5.60	2.058
1700.0	4.568	35.087	5.81	4.421	4950.0	2.522	34.900	5.61	2.058
1750.0	4.350	35.061	5.86	4.202	4993.0	2.527	34.900	5.60	2.058
1800.0	4.206	35.043	5.90	4.054					
1850.0	4.127	35.036	5.90	3.972					
1900.0	4.045	35.029	5.89	3.886					
1950.0	3.959	35.023	5.86	3.797					
2000.0	3.823	35.013	5.87	3.658					
2050.0	3.751	35.008	5.89	3.582					
2100.0	3.711	35.006	5.89	3.538					
2150.0	3.649	35.002	5.87	3.472					
2200.0	3.559	34.997	5.87	3.379					
2250.0	3.495	34.993	5.82	3.310					
2300.0	3.416	34.988	5.83	3.228					
2350.0	3.358	34.985	5.83	3.166					
2400.0	3.290	34.981	5.81	3.094					
2450.0	3.216	34.974	5.83	3.017					
2500.0	3.167	34.972	5.82	2.964					
2550.0	3.090	34.966	5.82	2.883					
2600.0	3.049	34.963	5.81	2.838					
2650.0	3.005	34.960	5.80	2.790					
2700.0	2.967	34.958	5.79	2.748					
2750.0	2.939	34.956	5.78	2.715					
2800.0	2.895	34.952	5.77	2.667					
2850.0	2.856	34.949	5.74	2.624					
2900.0	2.821	34.947	5.74	2.585					
2950.0	2.793	34.944	5.73	2.552					
3000.0	2.764	34.942	5.73	2.518					



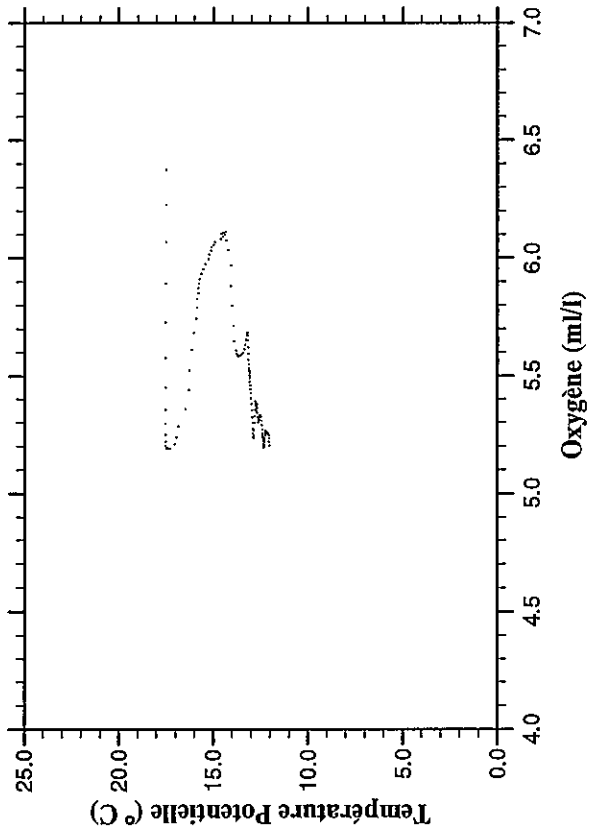
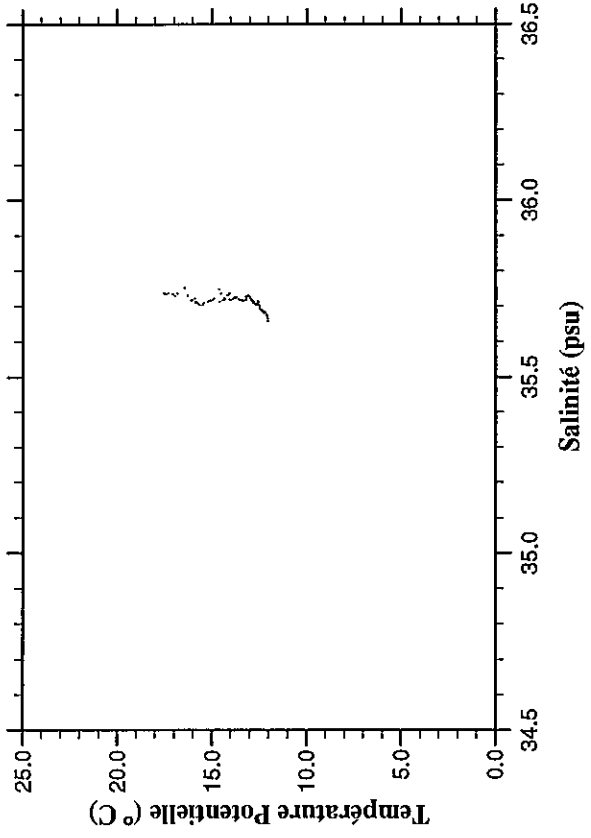
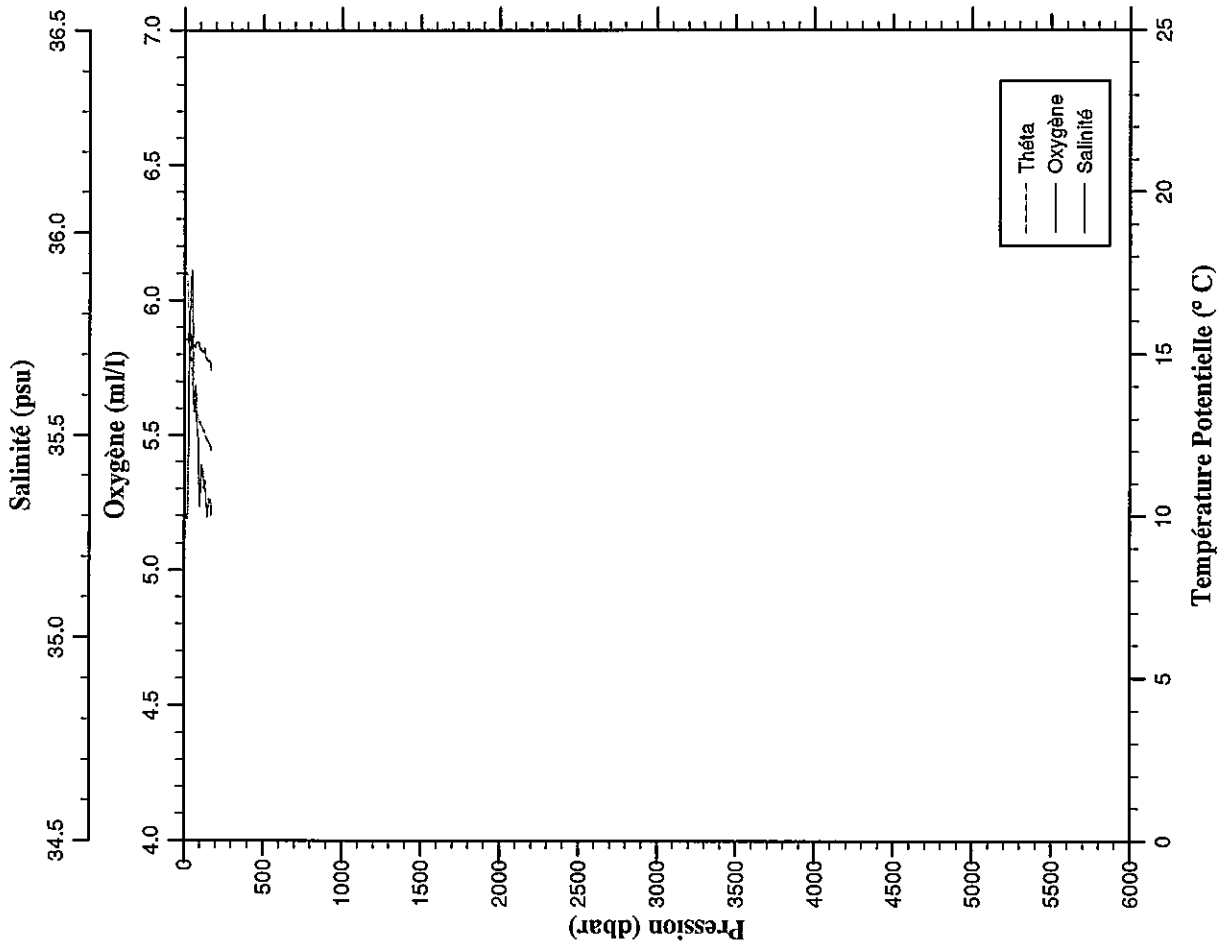
Station 7

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| Station   :    8      Campagne  : ARCANE 98  |
| Date      : 25-06-98  Navire    : LA THALASSA |
| Profondeur : 182      Organisme : IFREMER   |
| Position  : N 43 56.84 |
|            : W  8  0.35 |
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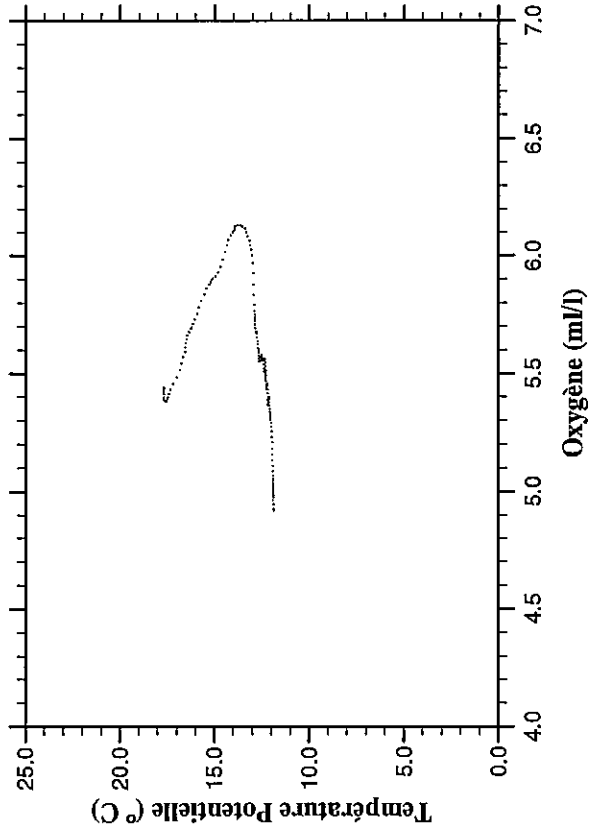
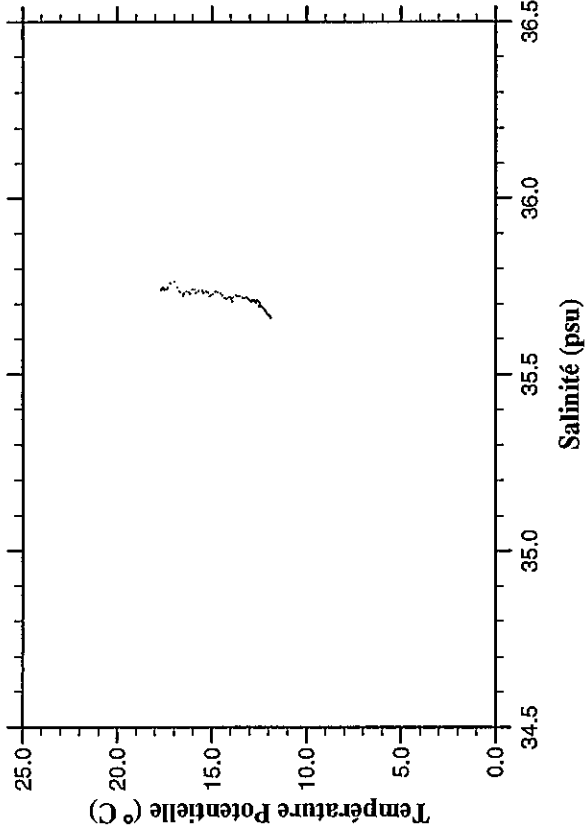
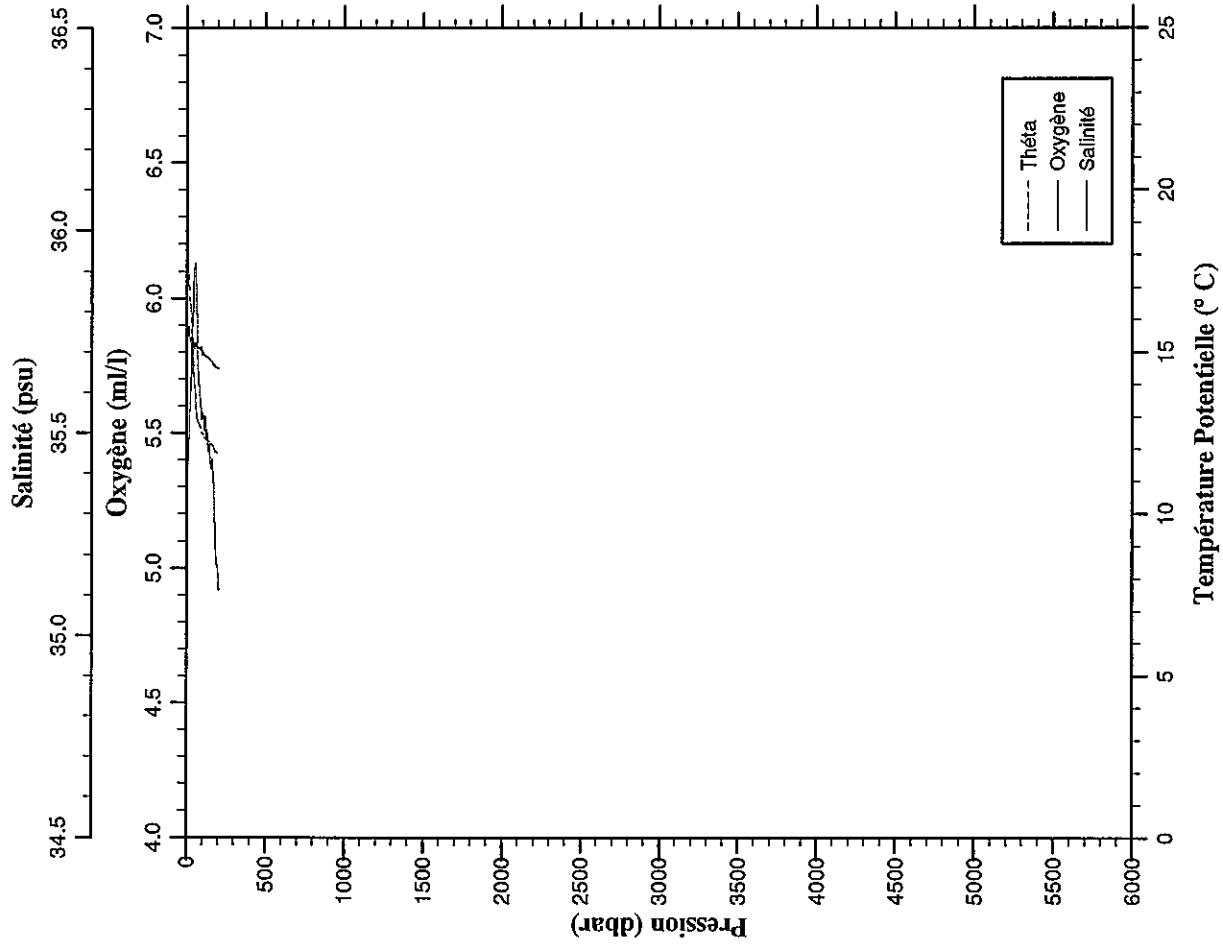
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.513	35.738	6.38	17.513
10.0	17.535	35.739	5.25	17.533
20.0	17.075	35.736	5.21	17.072
30.0	15.875	35.712	5.83	15.870
40.0	15.137	35.717	6.03	15.131
50.0	14.329	35.720	6.08	14.322
100.0	12.882	35.716	5.25	12.868
150.0	12.334	35.683	5.23	12.314
170.0	12.063	35.660	5.20	12.041



Station 8

Station	: 9	Campagne	: ARCANE 98
Date	: 25-06-98	Navire	: LA THALASSA
Profondeur	: 207	Organisme	: IFREMER
Position	: N 43 59.85		
	W 8 0.31		

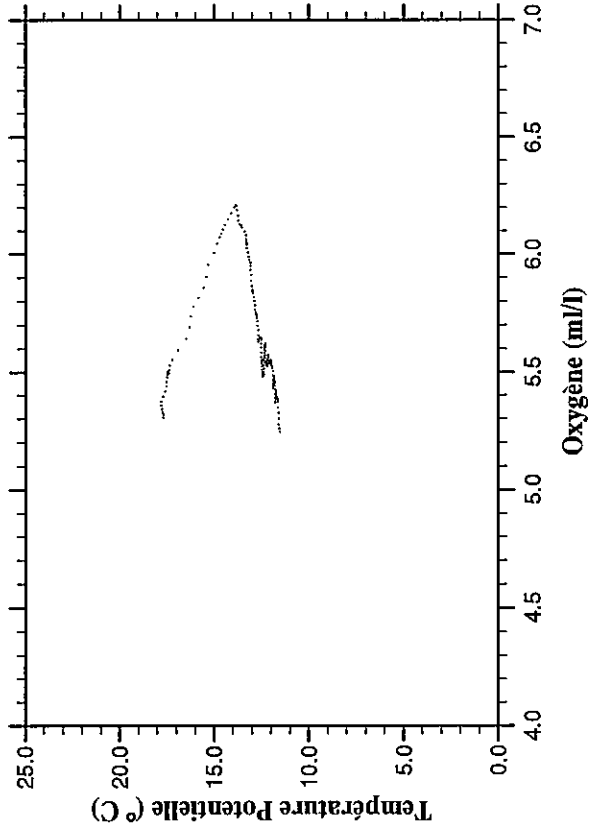
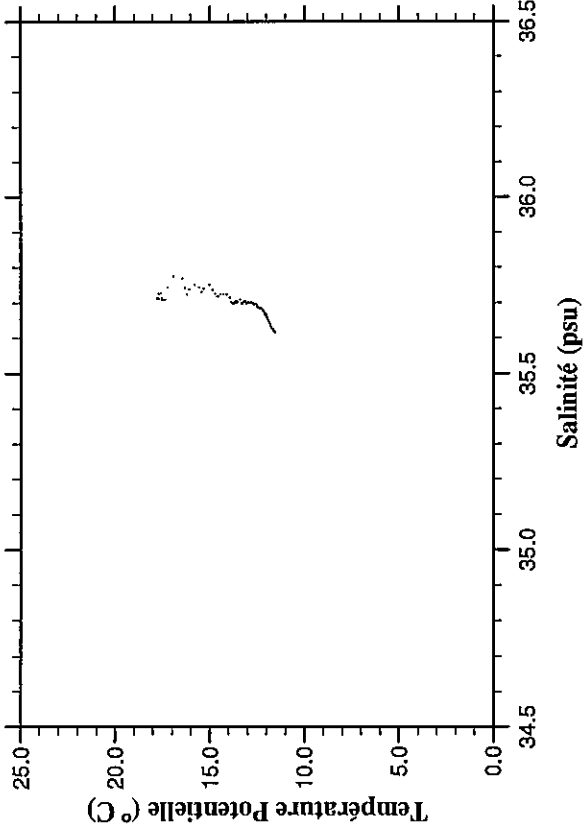
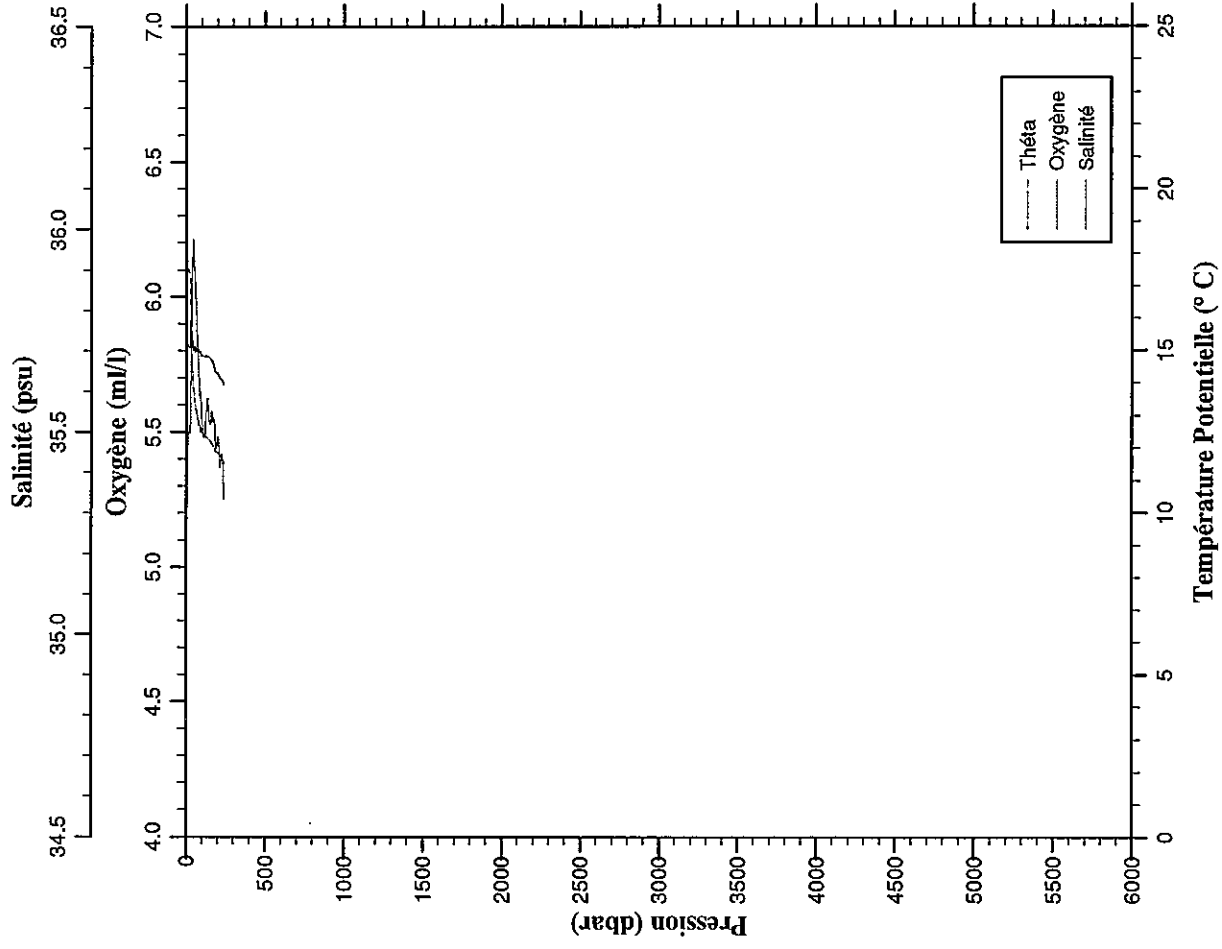
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.670	35.739	5.44	17.670
10.0	17.540	35.739	5.38	17.539
20.0	16.555	35.728	5.59	16.552
30.0	15.928	35.741	5.75	15.924
40.0	14.826	35.735	5.93	14.820
50.0	13.952	35.708	6.12	13.945
100.0	12.536	35.692	5.57	12.523
150.0	12.195	35.679	5.39	12.175
200.0	11.922	35.661	4.96	11.896
205.0	11.918	35.660	4.93	11.892



Station 9

Station	: 10	Campagne	: ARCANE 98
Date	: 25-06-98	Navire	: LA THALASSA
Profondeur	: 260	Organisme	: IFREMER
Position	: N 44 3.93		
	W 7 59.97		

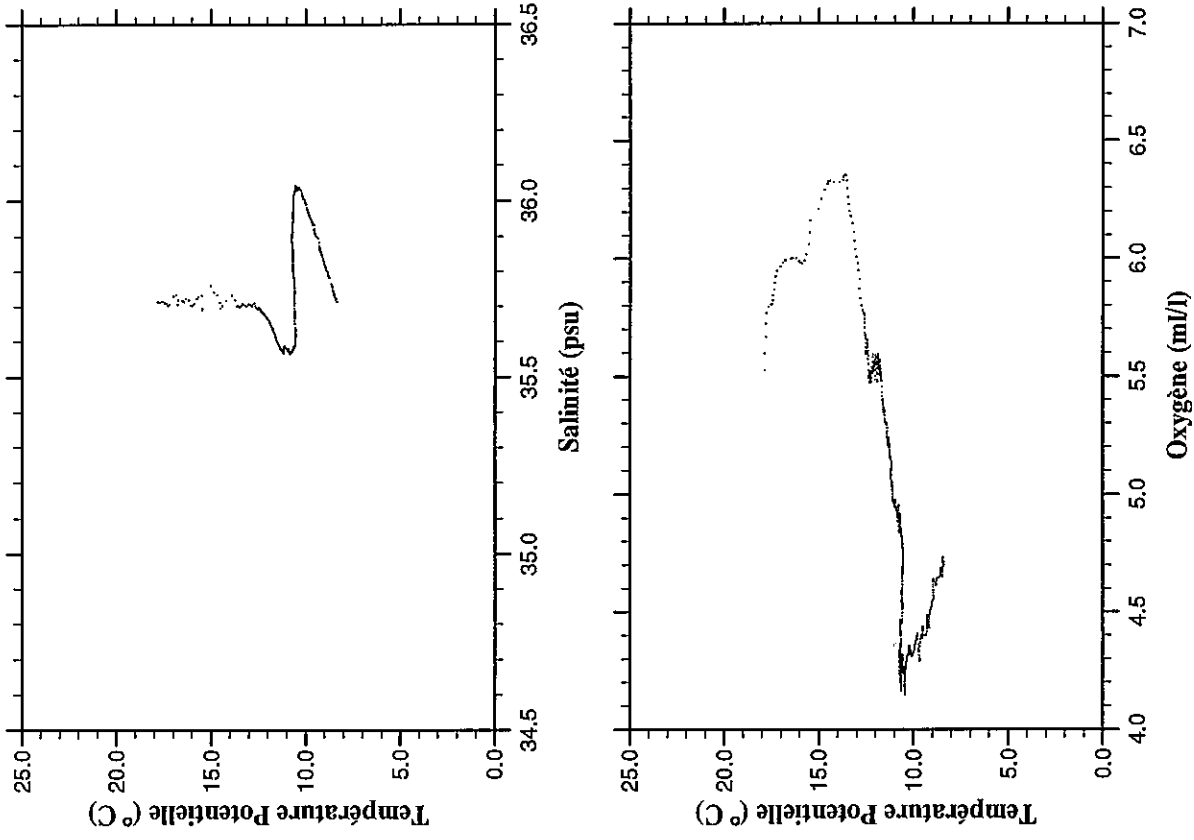
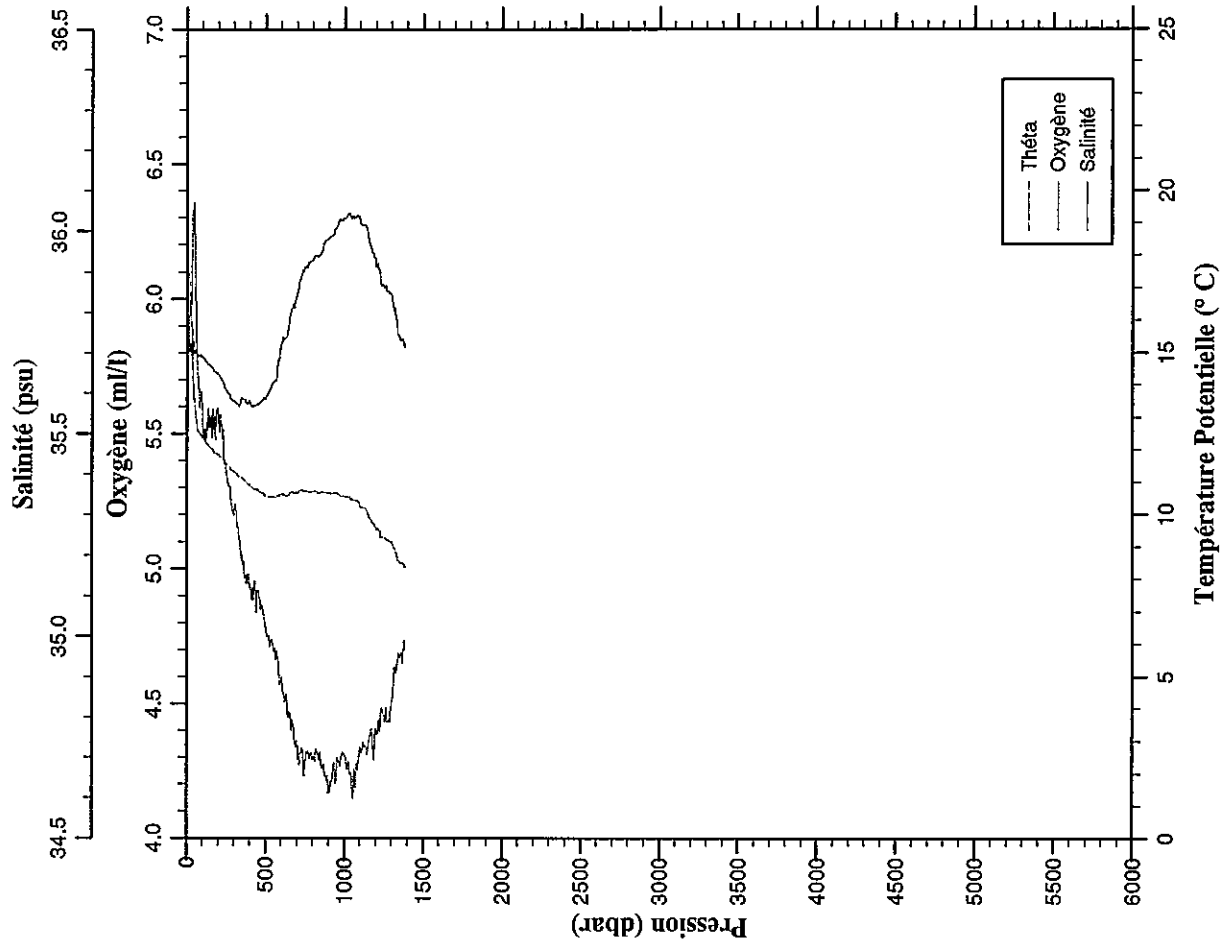
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.721	35.713	5.31	17.720
10.0	17.595	35.728	5.42	17.593
20.0	17.440	35.708	5.49	17.437
30.0	16.108	35.739	5.78	16.103
40.0	14.453	35.724	6.12	14.447
50.0	13.630	35.707	6.12	13.622
100.0	12.494	35.688	5.54	12.481
150.0	12.273	35.682	5.53	12.253
200.0	11.891	35.646	5.48	11.865
239.0	11.578	35.619	5.25	11.547



Station 10

Station	: 11	Campagne	: ARCANE 98
Date	: 25-06-98	Navire	: LA THALASSA
Profondeur	: 1387	Organisme	: IFREMER
Position	: N 44 8.20		
	W 7 59.98		

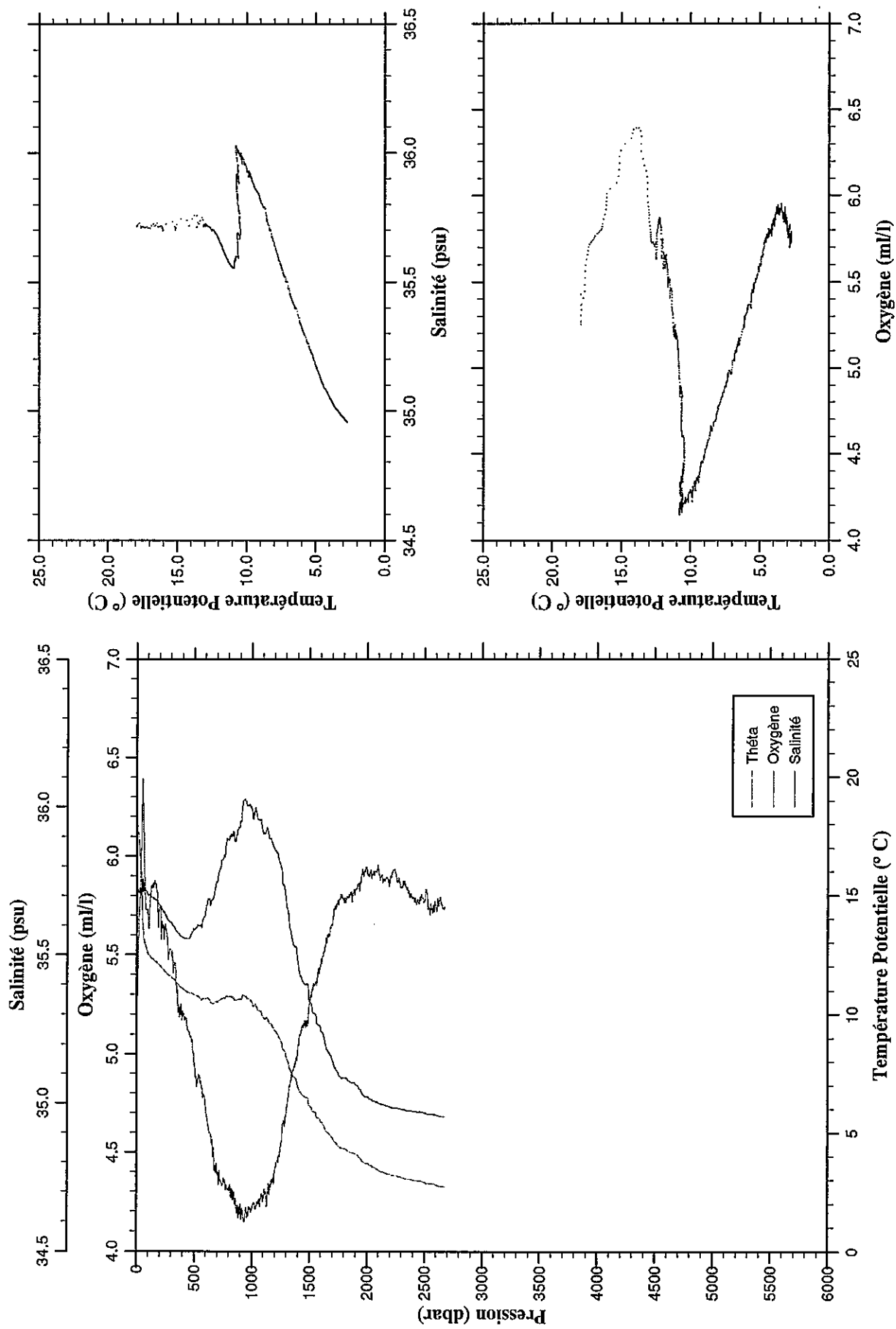
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.861	35.714	5.53	17.861
10.0	17.458	35.709	5.81	17.456
20.0	16.818	35.706	5.99	16.815
30.0	15.676	35.729	6.02	15.671
40.0	14.236	35.717	6.33	14.230
50.0	13.414	35.705	6.20	13.407
100.0	12.416	35.689	5.55	12.402
150.0	12.085	35.669	5.53	12.066
200.0	11.886	35.647	5.55	11.860
250.0	11.613	35.608	5.35	11.581
300.0	11.365	35.580	5.21	11.326
350.0	11.188	35.587	5.05	11.143
400.0	10.952	35.576	4.95	10.902
450.0	10.803	35.573	4.92	10.748
500.0	10.647	35.588	4.78	10.586
550.0	10.625	35.628	4.70	10.557
600.0	10.712	35.722	4.59	10.638
650.0	10.731	35.779	4.45	10.650
700.0	10.776	35.845	4.32	10.688
750.0	10.841	35.912	4.29	10.746
800.0	10.817	35.929	4.30	10.716
850.0	10.792	35.946	4.29	10.684
900.0	10.788	35.983	4.16	10.673
950.0	10.786	36.012	4.25	10.665
1000.0	10.683	36.032	4.31	10.556
1050.0	10.609	36.039	4.18	10.476
1100.0	10.377	36.018	4.34	10.239
1150.0	10.131	35.990	4.33	9.988
1200.0	9.711	35.914	4.40	9.566
1250.0	9.417	35.862	4.46	9.268
1300.0	9.287	35.842	4.50	9.132
1350.0	8.682	35.734	4.67	8.528
1382.0	8.535	35.714	4.70	8.378



Station II

Station	: 12	Campagne	: ARCANE 98
Date	: 25-06-98	Navire	: LA THALASSA
Profondeur	: 2656	Organisme	: IFREMER
Position	: N 44 10.36		
	W 7 59.96		

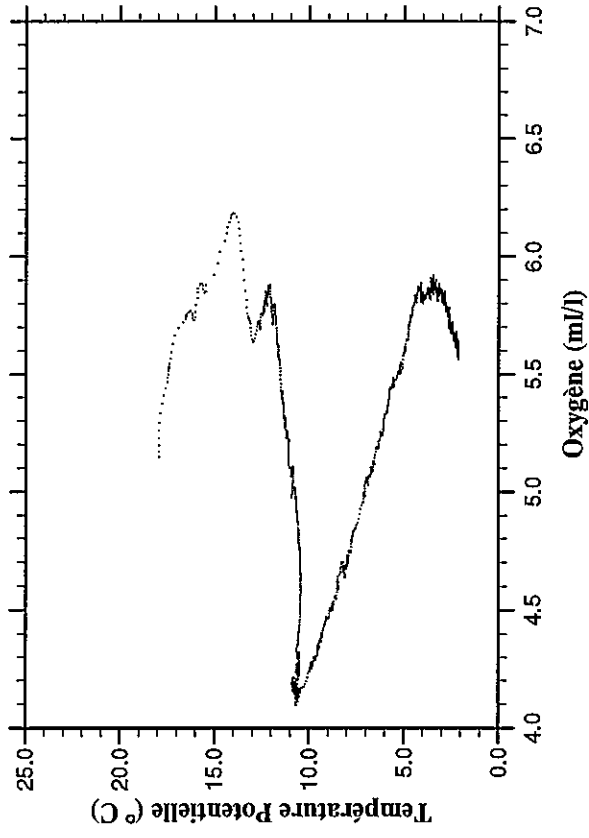
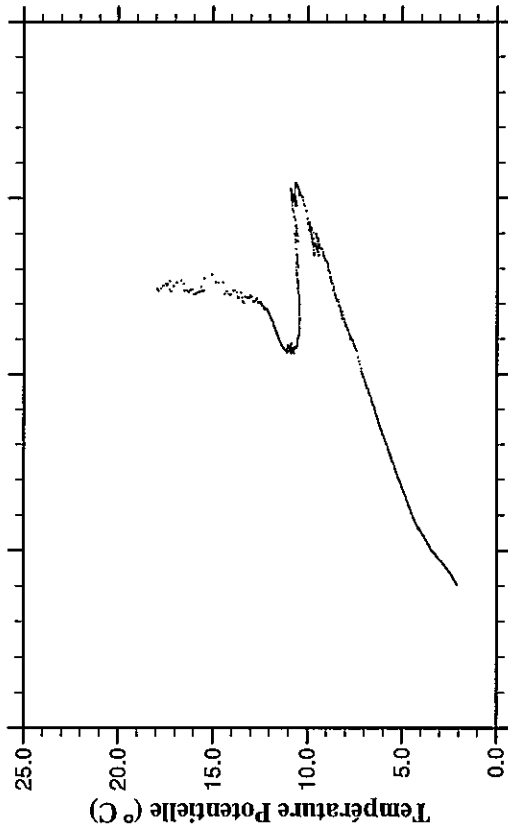
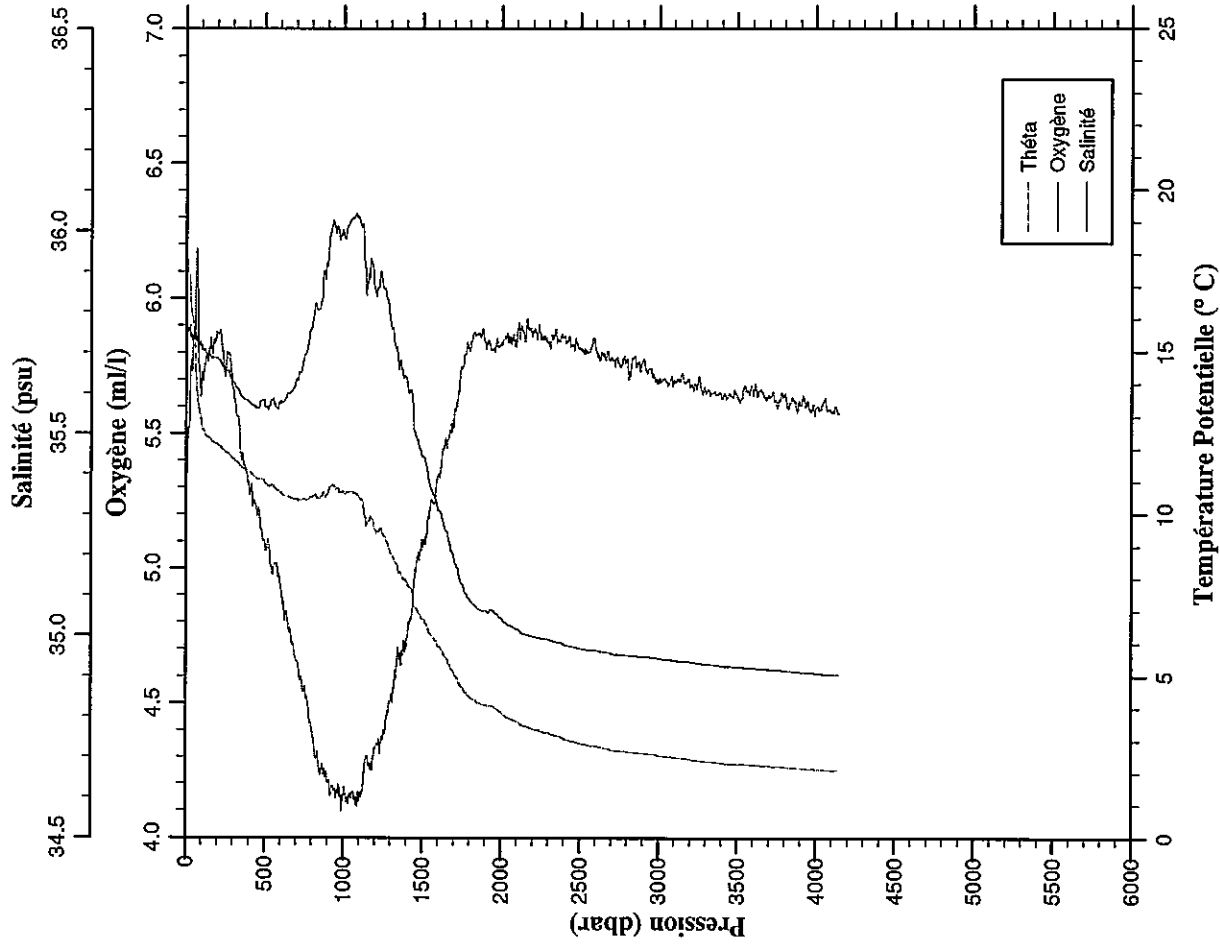
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.943	35.717	5.43	17.942
10.0	17.874	35.723	5.37	17.873
20.0	17.391	35.710	5.70	17.388
30.0	16.496	35.727	5.80	16.491
40.0	16.075	35.703	6.01	16.068
50.0	14.216	35.717	6.36	14.208
100.0	12.540	35.700	5.72	12.527
150.0	12.303	35.690	5.85	12.283
200.0	12.091	35.670	5.74	12.065
250.0	11.800	35.632	5.65	11.768
300.0	11.624	35.607	5.50	11.585
350.0	11.354	35.577	5.31	11.309
400.0	11.140	35.559	5.20	11.089
450.0	10.988	35.554	5.12	10.932
500.0	10.874	35.585	4.94	10.812
550.0	10.742	35.599	4.87	10.674
600.0	10.739	35.654	4.72	10.665
650.0	10.560	35.685	4.55	10.480
700.0	10.616	35.748	4.38	10.528
750.0	10.773	35.823	4.35	10.678
800.0	10.843	35.887	4.32	10.741
850.0	10.717	35.888	4.29	10.610
900.0	10.777	35.953	4.24	10.662
950.0	10.864	36.019	4.22	10.743
1000.0	10.653	35.993	4.21	10.527
1050.0	10.325	35.958	4.25	10.195
1100.0	10.007	35.908	4.28	9.872
1150.0	9.781	35.895	4.29	9.642
1200.0	9.454	35.855	4.41	9.311
1250.0	9.053	35.803	4.52	8.908
1300.0	8.313	35.671	4.71	8.168
1350.0	7.606	35.550	4.89	7.462
1400.0	7.139	35.475	5.03	6.994
1450.0	6.691	35.405	5.15	6.545
1500.0	6.291	35.343	5.26	6.145
1550.0	6.016	35.302	5.36	5.867
1600.0	5.617	35.245	5.46	5.468
1650.0	5.201	35.184	5.57	5.052
1700.0	4.938	35.145	5.65	4.787
1750.0	4.619	35.104	5.76	4.467
1800.0	4.489	35.086	5.77	4.334
1850.0	4.346	35.074	5.81	4.188
1900.0	4.261	35.064	5.83	4.100
1950.0	4.039	35.041	5.89	3.876
2000.0	3.882	35.022	5.93	3.716
2050.0	3.726	35.008	5.90	3.557
2100.0	3.596	35.002	5.92	3.425
2150.0	3.499	34.995	5.89	3.324
2200.0	3.419	34.988	5.89	3.241
2250.0	3.374	34.986	5.91	3.192
2300.0	3.302	34.981	5.84	3.116
2350.0	3.232	34.976	5.84	3.043
2400.0	3.199	34.974	5.79	3.005
2450.0	3.173	34.972	5.76	2.975
2500.0	3.117	34.968	5.78	2.915
2550.0	3.066	34.965	5.74	2.860
2600.0	3.012	34.961	5.73	2.802
2650.0	2.942	34.956	5.76	2.728
2673.0	2.934	34.955	5.75	2.718



Station 12

Station	: 13	Campagne	: ARCANE 98
Date	: 25-06-98	Navire	: LA THALASSA
Profondeur	: 4081	Organisme	: IFREMER
Position	: N 44 13.08		
	W 8 0.36		

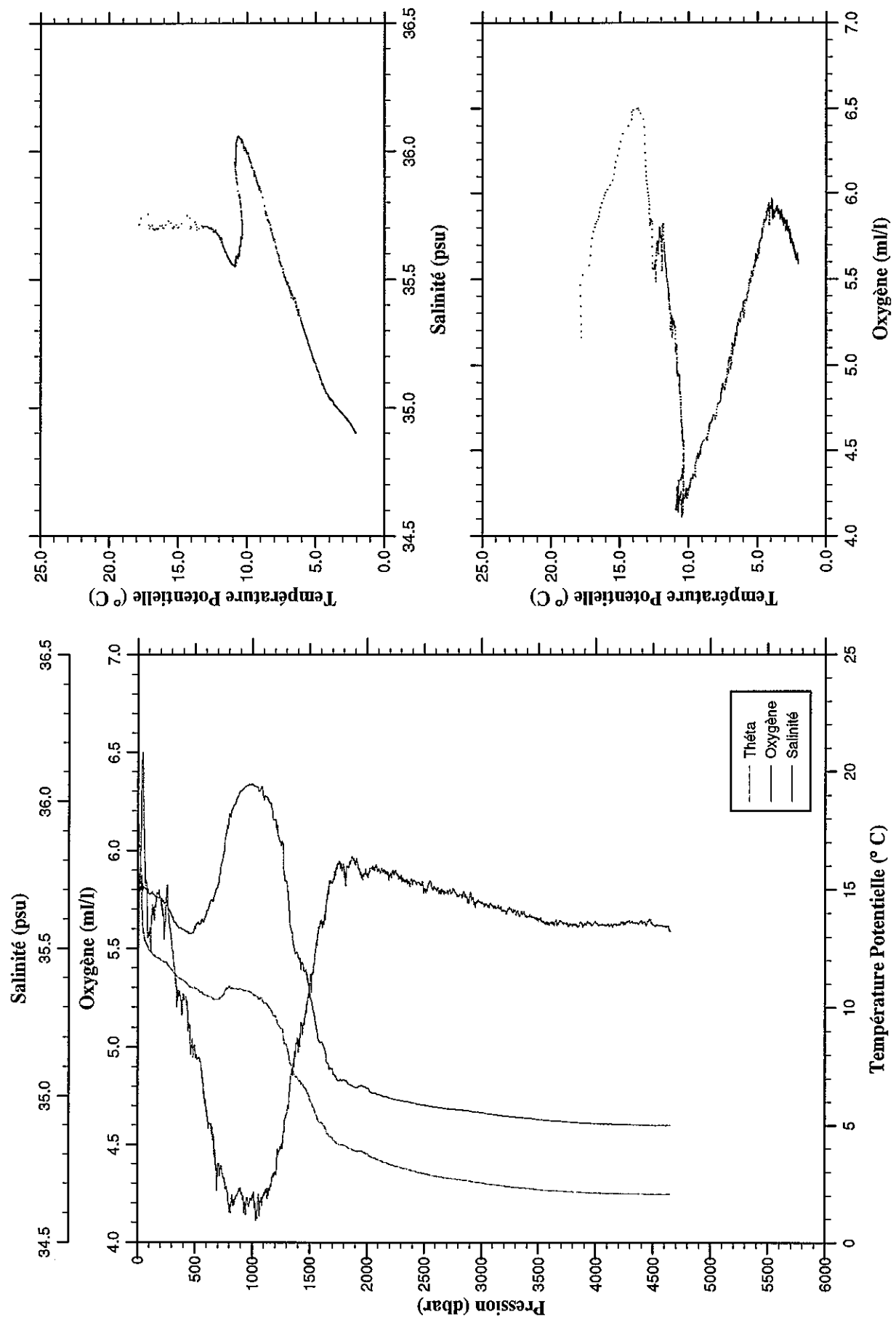
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.948	35.745	5.15	17.947	3050.0	2.778	34.942	5.69	2.526
10.0	17.603	35.754	5.44	17.601	3100.0	2.754	34.939	5.70	2.498
20.0	17.418	35.760	5.54	17.414	3150.0	2.732	34.938	5.72	2.471
30.0	16.432	35.740	5.76	16.427	3200.0	2.712	34.936	5.67	2.447
40.0	16.098	35.743	5.73	16.092	3250.0	2.685	34.933	5.70	2.415
50.0	15.718	35.738	5.89	15.710	3300.0	2.650	34.930	5.65	2.375
100.0	12.759	35.715	5.72	12.746	3350.0	2.639	34.929	5.65	2.359
150.0	12.380	35.694	5.82	12.360	3400.0	2.611	34.926	5.63	2.327
200.0	12.182	35.684	5.87	12.155	3450.0	2.604	34.925	5.65	2.314
250.0	11.972	35.656	5.72	11.939	3500.0	2.592	34.923	5.63	2.297
300.0	11.756	35.627	5.66	11.717	3550.0	2.589	34.923	5.67	2.289
350.0	11.511	35.593	5.41	11.466	3600.0	2.578	34.921	5.64	2.273
400.0	11.361	35.576	5.30	11.310	3650.0	2.566	34.919	5.66	2.255
450.0	11.152	35.562	5.20	11.095	3700.0	2.555	34.918	5.63	2.239
500.0	11.022	35.567	5.09	10.959	3750.0	2.549	34.917	5.60	2.228
550.0	10.984	35.585	4.98	10.915	3800.0	2.527	34.914	5.65	2.201
600.0	10.766	35.578	4.93	10.691	3850.0	2.519	34.913	5.63	2.187
650.0	10.626	35.600	4.78	10.546	3900.0	2.504	34.911	5.61	2.167
700.0	10.567	35.632	4.65	10.480	3950.0	2.500	34.910	5.60	2.157
750.0	10.564	35.690	4.55	10.471	4000.0	2.483	34.908	5.60	2.135
800.0	10.642	35.764	4.40	10.542	4050.0	2.473	34.907	5.63	2.120
850.0	10.617	35.808	4.24	10.510	4100.0	2.472	34.906	5.58	2.113
900.0	10.725	35.914	4.20	10.611	4144.0	2.469	34.905	5.58	2.105
950.0	10.889	35.994	4.17	10.767					
1000.0	10.773	35.990	4.16	10.646					
1050.0	10.828	36.029	4.15	10.694					
1100.0	10.661	36.027	4.13	10.521					
1150.0	9.885	35.873	4.30	9.745					
1200.0	9.669	35.852	4.33	9.524					
1250.0	9.519	35.859	4.37	9.369					
1300.0	8.935	35.772	4.52	8.784					
1350.0	8.331	35.658	4.68	8.180					
1400.0	8.090	35.632	4.72	7.935					
1450.0	7.299	35.504	4.96	7.147					
1500.0	6.907	35.444	5.08	6.754					
1550.0	6.427	35.367	5.23	6.273					
1600.0	6.079	35.311	5.35	5.924					
1650.0	5.740	35.261	5.48	5.584					
1700.0	5.240	35.191	5.53	5.085					
1750.0	4.831	35.128	5.74	4.677					
1800.0	4.524	35.088	5.81	4.369					
1850.0	4.344	35.066	5.87	4.186					
1900.0	4.290	35.062	5.83	4.127					
1950.0	4.244	35.062	5.81	4.077					
2000.0	4.065	35.043	5.84	3.897					
2050.0	3.883	35.025	5.84	3.712					
2100.0	3.794	35.016	5.86	3.619					
2150.0	3.655	35.003	5.84	3.478					
2200.0	3.574	34.998	5.88	3.394					
2250.0	3.500	34.994	5.85	3.316					
2300.0	3.458	34.991	5.83	3.269					
2350.0	3.362	34.984	5.85	3.170					
2400.0	3.276	34.980	5.85	3.080					
2450.0	3.200	34.973	5.83	3.001					
2500.0	3.132	34.969	5.82	2.930					
2550.0	3.079	34.966	5.80	2.873					
2600.0	3.063	34.965	5.81	2.852					
2650.0	3.015	34.960	5.78	2.800					
2700.0	2.952	34.956	5.78	2.733					
2750.0	2.928	34.954	5.75	2.704					
2800.0	2.905	34.953	5.78	2.677					
2850.0	2.878	34.950	5.78	2.645					
2900.0	2.869	34.949	5.77	2.632					
2950.0	2.848	34.948	5.74	2.606					
3000.0	2.803	34.945	5.69	2.557					



Station 13

Station	: 14	Campagne	: ARCANE 98
Date	: 26-06-98	Navire	: LA THALASSA
Profondeur	: 4584	Organisme	: IFREMER
Position	: N 44 17.98		
	W 7 59.98		

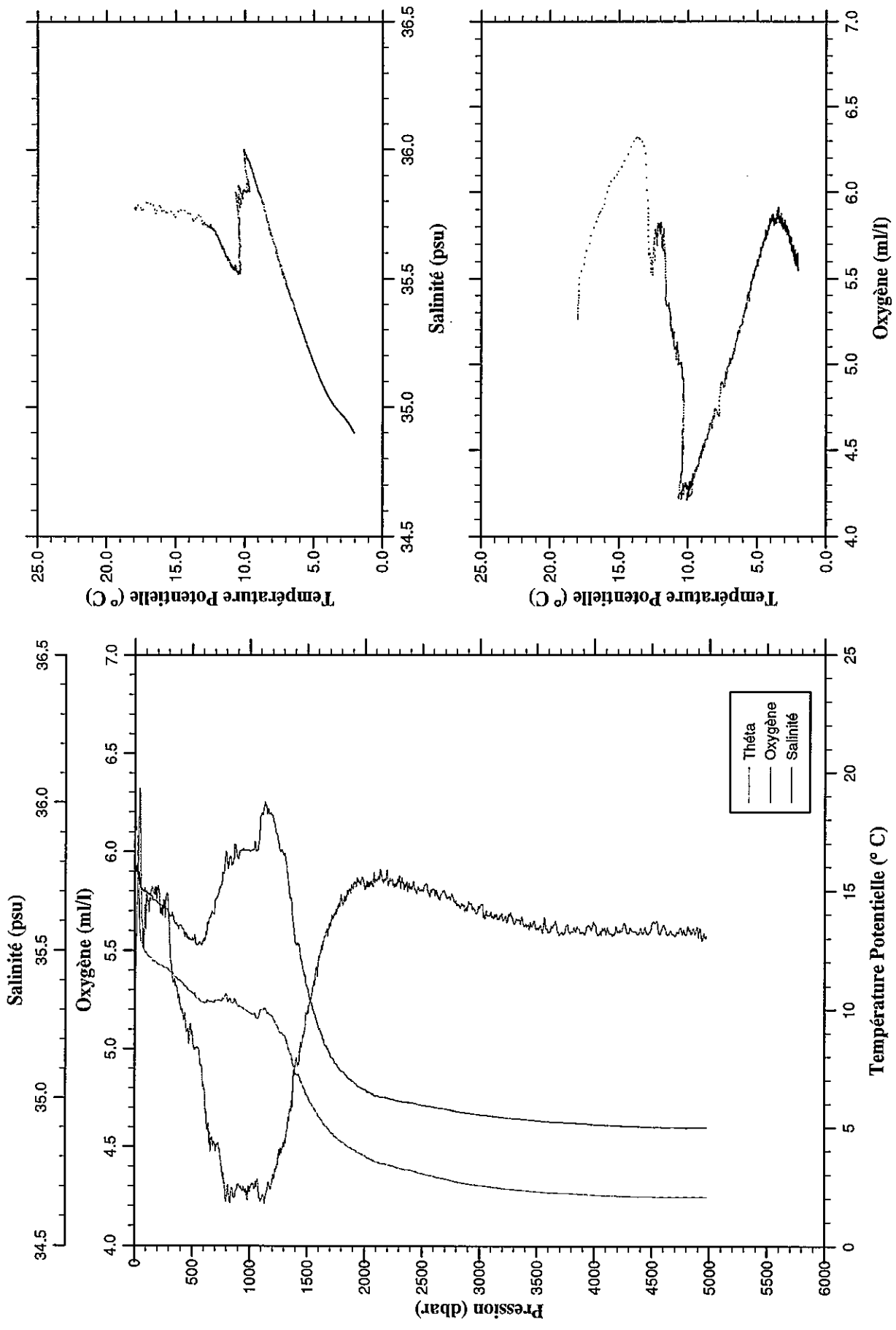
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.813	35.716	5.16	17.813	3050.0	2.764	34.941	5.72	2.513
10.0	17.129	35.713	5.64	17.127	3100.0	2.740	34.939	5.72	2.484
20.0	16.436	35.699	5.92	16.433	3150.0	2.712	34.936	5.71	2.452
30.0	15.306	35.707	6.19	15.301	3200.0	2.686	34.934	5.69	2.421
40.0	13.789	35.724	6.50	13.783	3250.0	2.670	34.932	5.70	2.401
50.0	13.138	35.708	6.20	13.131	3300.0	2.644	34.929	5.68	2.370
100.0	12.441	35.686	5.57	12.427	3350.0	2.629	34.928	5.69	2.349
150.0	12.203	35.679	5.72	12.183	3400.0	2.616	34.927	5.66	2.332
200.0	12.048	35.665	5.73	12.022	3450.0	2.598	34.924	5.66	2.308
250.0	11.957	35.662	5.79	11.924	3500.0	2.568	34.922	5.65	2.274
300.0	11.615	35.608	5.50	11.577	3550.0	2.548	34.919	5.64	2.248
350.0	11.304	35.576	5.28	11.259	3600.0	2.536	34.918	5.63	2.232
400.0	11.199	35.565	5.25	11.149	3650.0	2.528	34.917	5.65	2.218
450.0	10.956	35.551	5.10	10.900	3700.0	2.521	34.916	5.64	2.206
500.0	10.875	35.574	4.98	10.813	3750.0	2.508	34.914	5.63	2.188
550.0	10.728	35.589	4.92	10.659	3800.0	2.502	34.912	5.63	2.176
600.0	10.602	35.626	4.68	10.528	3850.0	2.494	34.911	5.62	2.163
650.0	10.499	35.664	4.59	10.419	3900.0	2.488	34.910	5.63	2.151
700.0	10.429	35.719	4.40	10.343	3950.0	2.480	34.909	5.63	2.138
750.0	10.652	35.831	4.33	10.558	4000.0	2.476	34.908	5.63	2.129
800.0	11.008	35.959	4.16	10.906	4050.0	2.471	34.907	5.63	2.118
850.0	10.912	35.991	4.22	10.803	4100.0	2.472	34.906	5.63	2.113
900.0	10.890	36.036	4.26	10.775	4150.0	2.470	34.906	5.62	2.105
950.0	10.838	36.052	4.21	10.717	4200.0	2.470	34.904	5.62	2.099
1000.0	10.707	36.057	4.24	10.580	4250.0	2.471	34.904	5.63	2.094
1050.0	10.530	36.044	4.22	10.398	4300.0	2.473	34.903	5.63	2.091
1100.0	10.310	36.005	4.24	10.173	4350.0	2.475	34.903	5.63	2.086
1150.0	10.132	35.994	4.27	9.989	4400.0	2.477	34.903	5.64	2.082
1200.0	9.780	35.936	4.36	9.634	4450.0	2.478	34.903	5.64	2.078
1250.0	9.240	35.853	4.48	9.093	4500.0	2.481	34.901	5.62	2.075
1300.0	8.547	35.724	4.66	8.400	4550.0	2.485	34.901	5.62	2.072
1350.0	7.589	35.553	4.87	7.445	4600.0	2.488	34.901	5.62	2.069
1400.0	7.098	35.473	4.99	6.954	4649.0	2.494	34.902	5.59	2.068
1450.0	6.795	35.424	5.11	6.648					
1500.0	6.234	35.350	5.32	6.088					
1550.0	5.671	35.248	5.49	5.526					
1600.0	5.276	35.186	5.65	5.130					
1650.0	4.812	35.115	5.75	4.667					
1700.0	4.598	35.092	5.84	4.451					
1750.0	4.351	35.054	5.93	4.203					
1800.0	4.318	35.055	5.87	4.166					
1850.0	4.168	35.040	5.94	4.012					
1900.0	4.063	35.031	5.93	3.904					
1950.0	4.075	35.038	5.86	3.911					
2000.0	3.953	35.029	5.88	3.786					
2050.0	3.800	35.012	5.92	3.630					
2100.0	3.703	35.008	5.90	3.530					
2150.0	3.602	35.000	5.89	3.426					
2200.0	3.523	34.995	5.87	3.343					
2250.0	3.442	34.990	5.89	3.259					
2300.0	3.380	34.986	5.85	3.193					
2350.0	3.334	34.984	5.83	3.143					
2400.0	3.255	34.978	5.84	3.060					
2450.0	3.183	34.973	5.84	2.985					
2500.0	3.148	34.971	5.80	2.945					
2550.0	3.093	34.967	5.84	2.887					
2600.0	3.046	34.964	5.80	2.836					
2650.0	3.009	34.961	5.80	2.794					
2700.0	2.970	34.958	5.79	2.751					
2750.0	2.953	34.957	5.81	2.729					
2800.0	2.929	34.955	5.77	2.701					
2850.0	2.894	34.952	5.78	2.661					
2900.0	2.864	34.949	5.78	2.626					
2950.0	2.831	34.947	5.73	2.589					
3000.0	2.804	34.945	5.74	2.557					



Station 14

Station	: 15	Campagne	: ARCANE 98
Date	: 27-06-98	Navire	: LA THALASSA
Profondeur	: 4893	Organisme	: IFREMER
Position	: N 44 30.17		
	W 7 59.86		

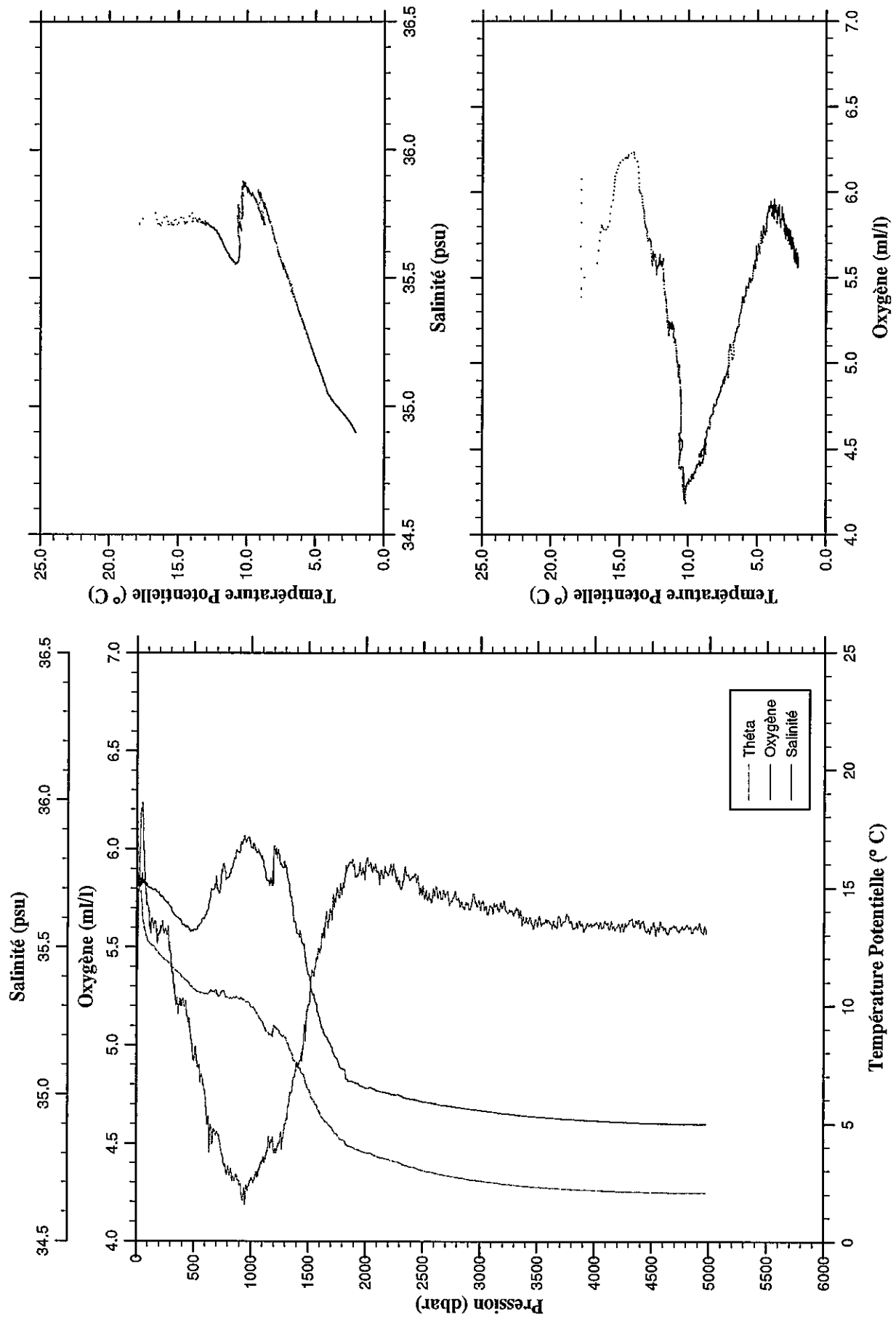
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.990	35.773	5.27	17.990	3050.0	2.776	34.941	5.69	2.524
10.0	17.921	35.769	5.39	17.919	3100.0	2.752	34.939	5.68	2.496
20.0	17.051	35.793	5.75	17.048	3150.0	2.721	34.937	5.66	2.461
30.0	15.895	35.764	6.00	15.890	3200.0	2.697	34.935	5.65	2.432
40.0	13.952	35.751	6.30	13.946	3250.0	2.668	34.932	5.69	2.399
50.0	13.018	35.716	6.01	13.011	3300.0	2.655	34.930	5.63	2.380
100.0	12.420	35.701	5.76	12.407	3350.0	2.642	34.929	5.64	2.362
150.0	12.158	35.683	5.82	12.138	3400.0	2.620	34.928	5.63	2.335
200.0	11.965	35.658	5.81	11.938	3450.0	2.604	34.925	5.62	2.314
250.0	11.858	35.646	5.74	11.825	3500.0	2.589	34.924	5.62	2.294
300.0	11.694	35.624	5.60	11.655	3550.0	2.575	34.920	5.61	2.275
350.0	11.439	35.592	5.34	11.394	3600.0	2.560	34.921	5.60	2.255
400.0	11.279	35.585	5.20	11.229	3650.0	2.556	34.918	5.64	2.246
450.0	11.008	35.551	5.09	10.951	3700.0	2.550	34.918	5.59	2.234
500.0	10.801	35.544	5.07	10.739	3750.0	2.544	34.918	5.63	2.223
550.0	10.575	35.523	5.00	10.508	3800.0	2.543	34.916	5.60	2.216
600.0	10.397	35.532	4.80	10.324	3850.0	2.531	34.914	5.61	2.199
650.0	10.435	35.609	4.58	10.356	3900.0	2.526	34.914	5.59	2.188
700.0	10.504	35.670	4.48	10.417	3950.0	2.517	34.913	5.62	2.174
750.0	10.484	35.722	4.42	10.391	4000.0	2.507	34.911	5.63	2.158
800.0	10.704	35.823	4.25	10.603	4050.0	2.499	34.910	5.60	2.145
850.0	10.385	35.793	4.29	10.280	4100.0	2.495	34.908	5.59	2.135
900.0	10.269	35.809	4.31	10.158	4150.0	2.491	34.908	5.58	2.126
950.0	10.145	35.839	4.28	10.028	4200.0	2.489	34.907	5.60	2.118
1000.0	9.994	35.835	4.28	9.872	4250.0	2.485	34.904	5.63	2.108
1050.0	9.826	35.844	4.32	9.699	4300.0	2.484	34.904	5.60	2.101
1100.0	10.148	35.958	4.24	10.012	4350.0	2.483	34.904	5.60	2.094
1150.0	9.989	35.963	4.28	9.848	4400.0	2.486	34.904	5.61	2.091
1200.0	9.799	35.950	4.35	9.653	4450.0	2.486	34.903	5.59	2.085
1250.0	9.309	35.863	4.46	9.160	4500.0	2.488	34.902	5.64	2.081
1300.0	9.058	35.827	4.50	8.906	4550.0	2.489	34.902	5.60	2.076
1350.0	8.300	35.677	4.69	8.149	4600.0	2.492	34.902	5.63	2.073
1400.0	7.418	35.523	4.93	7.270	4650.0	2.495	34.901	5.59	2.070
1450.0	7.064	35.465	5.02	6.914	4700.0	2.498	34.901	5.58	2.066
1500.0	6.499	35.375	5.19	6.351	4750.0	2.502	34.901	5.61	2.064
1550.0	6.009	35.299	5.32	5.860	4800.0	2.507	34.900	5.59	2.063
1600.0	5.610	35.235	5.47	5.461	4850.0	2.514	34.899	5.60	2.063
1650.0	5.229	35.181	5.57	5.079	4900.0	2.520	34.901	5.57	2.062
1700.0	4.965	35.147	5.64	4.814	4950.0	2.526	34.901	5.58	2.062
1750.0	4.736	35.115	5.70	4.583	4970.0	2.528	34.900	5.57	2.061
1800.0	4.537	35.091	5.75	4.381					
1850.0	4.362	35.070	5.81	4.203					
1900.0	4.235	35.055	5.82	4.074					
1950.0	4.071	35.038	5.85	3.907					
2000.0	3.977	35.029	5.81	3.810					
2050.0	3.836	35.017	5.85	3.666					
2100.0	3.726	35.008	5.86	3.552					
2150.0	3.656	35.003	5.86	3.479					
2200.0	3.609	35.000	5.83	3.428					
2250.0	3.542	34.996	5.84	3.357					
2300.0	3.468	34.991	5.88	3.279					
2350.0	3.418	34.987	5.82	3.225					
2400.0	3.388	34.985	5.81	3.191					
2450.0	3.324	34.981	5.79	3.123					
2500.0	3.256	34.977	5.81	3.051					
2550.0	3.203	34.974	5.80	2.994					
2600.0	3.151	34.970	5.81	2.938					
2650.0	3.091	34.966	5.76	2.874					
2700.0	3.046	34.963	5.79	2.825					
2750.0	2.996	34.960	5.77	2.771					
2800.0	2.929	34.955	5.74	2.701					
2850.0	2.893	34.952	5.73	2.660					
2900.0	2.861	34.949	5.74	2.624					
2950.0	2.826	34.946	5.71	2.584					
3000.0	2.797	34.944	5.72	2.550					



Station 15

Station	: 16	Campagne	: ARCANE 98
Date	: 27-06-98	Navire	: LA THALASSA
Profondeur	: 4893	Organisme	: IFREMER
Position	: N 44 49.15		
	W 7 59.66		

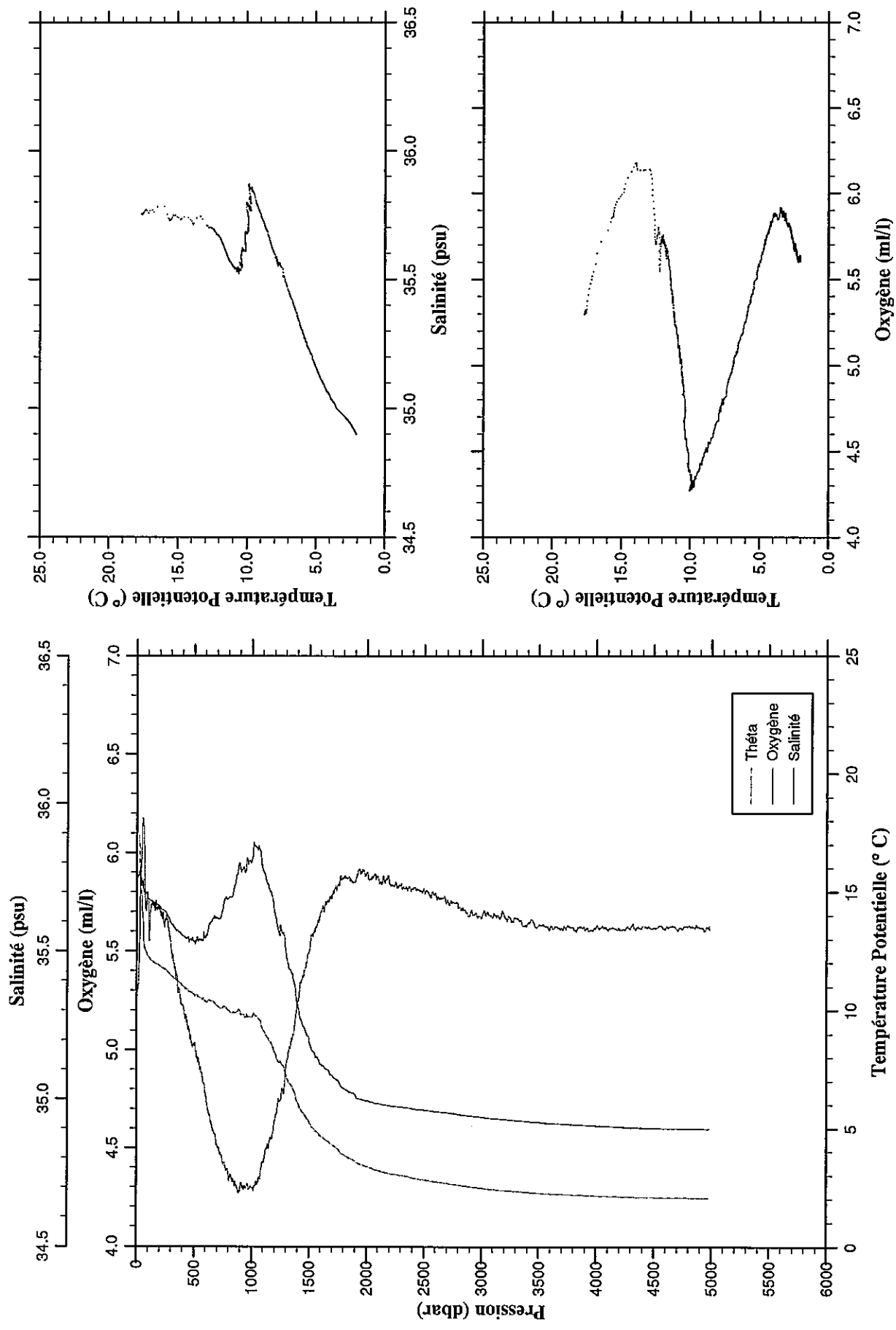
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.823	35.712	6.08	17.823	3050.0	2.801	34.944	5.71	2.549
10.0	17.805	35.713	5.43	17.803	3100.0	2.768	34.942	5.71	2.512
20.0	16.179	35.715	5.78	16.176	3150.0	2.743	34.939	5.69	2.482
30.0	15.390	35.710	6.06	15.385	3200.0	2.713	34.937	5.73	2.447
40.0	14.537	35.713	6.21	14.531	3250.0	2.693	34.934	5.68	2.423
50.0	13.984	35.720	6.22	13.976	3300.0	2.671	34.933	5.68	2.395
100.0	12.768	35.705	5.71	12.755	3350.0	2.648	34.931	5.69	2.368
150.0	12.553	35.695	5.60	12.533	3400.0	2.633	34.929	5.65	2.348
200.0	12.210	35.677	5.57	12.184	3450.0	2.616	34.926	5.62	2.326
250.0	11.995	35.657	5.59	11.962	3500.0	2.600	34.924	5.61	2.305
300.0	11.794	35.634	5.40	11.755	3550.0	2.590	34.923	5.62	2.290
350.0	11.531	35.603	5.22	11.486	3600.0	2.581	34.922	5.63	2.275
400.0	11.285	35.577	5.24	11.234	3650.0	2.573	34.921	5.61	2.262
450.0	11.079	35.568	5.12	11.022	3700.0	2.559	34.919	5.63	2.243
500.0	10.790	35.561	4.92	10.728	3750.0	2.549	34.916	5.66	2.228
550.0	10.660	35.577	4.86	10.592	3800.0	2.543	34.917	5.62	2.216
600.0	10.603	35.611	4.74	10.529	3850.0	2.537	34.914	5.60	2.205
650.0	10.754	35.698	4.59	10.672	3900.0	2.531	34.914	5.59	2.193
700.0	10.648	35.704	4.56	10.561	3950.0	2.526	34.913	5.61	2.183
750.0	10.752	35.773	4.44	10.658	4000.0	2.524	34.913	5.62	2.175
800.0	10.473	35.740	4.38	10.374	4050.0	2.517	34.911	5.62	2.163
850.0	10.472	35.802	4.33	10.366	4100.0	2.514	34.910	5.62	2.154
900.0	10.391	35.822	4.29	10.279	4150.0	2.509	34.909	5.61	2.143
950.0	10.303	35.855	4.20	10.186	4200.0	2.508	34.908	5.61	2.136
1000.0	10.085	35.838	4.32	9.962	4250.0	2.503	34.907	5.58	2.126
1050.0	9.818	35.822	4.33	9.691	4300.0	2.502	34.907	5.64	2.119
1100.0	9.465	35.797	4.41	9.334	4350.0	2.501	34.906	5.62	2.112
1150.0	8.995	35.728	4.51	8.863	4400.0	2.497	34.905	5.62	2.102
1200.0	9.297	35.835	4.45	9.155	4450.0	2.496	34.905	5.58	2.095
1250.0	8.958	35.785	4.50	8.813	4500.0	2.498	34.903	5.60	2.091
1300.0	8.820	35.779	4.60	8.670	4550.0	2.499	34.903	5.59	2.086
1350.0	8.192	35.668	4.75	8.043	4600.0	2.502	34.903	5.59	2.083
1400.0	7.573	35.547	4.91	7.423	4650.0	2.506	34.901	5.60	2.080
1450.0	7.261	35.514	4.98	7.109	4700.0	2.509	34.901	5.60	2.076
1500.0	6.615	35.407	5.20	6.464	4750.0	2.514	34.900	5.59	2.075
1550.0	6.090	35.331	5.37	5.940	4800.0	2.518	34.901	5.61	2.073
1600.0	5.622	35.255	5.48	5.473	4850.0	2.521	34.901	5.57	2.070
1650.0	5.247	35.196	5.65	5.097	4900.0	2.523	34.901	5.60	2.066
1700.0	5.002	35.162	5.66	4.850	4950.0	2.530	34.901	5.58	2.066
1750.0	4.716	35.121	5.80	4.563	4970.0	2.533	34.900	5.56	2.066
1800.0	4.485	35.086	5.83	4.330					
1850.0	4.224	35.044	5.92	4.068					
1900.0	4.141	35.041	5.90	3.981					
1950.0	4.026	35.029	5.92	3.863					
2000.0	3.948	35.021	5.93	3.781					
2050.0	3.912	35.023	5.90	3.741					
2100.0	3.790	35.012	5.89	3.616					
2150.0	3.738	35.009	5.86	3.560					
2200.0	3.677	35.004	5.88	3.495					
2250.0	3.606	35.000	5.89	3.420					
2300.0	3.526	34.997	5.80	3.336					
2350.0	3.429	34.988	5.87	3.236					
2400.0	3.358	34.984	5.85	3.162					
2450.0	3.302	34.980	5.86	3.101					
2500.0	3.217	34.976	5.80	3.013					
2550.0	3.171	34.973	5.78	2.963					
2600.0	3.120	34.970	5.76	2.908					
2650.0	3.068	34.966	5.77	2.852					
2700.0	3.031	34.963	5.78	2.810					
2750.0	2.995	34.960	5.73	2.770					
2800.0	2.962	34.958	5.74	2.733					
2850.0	2.921	34.954	5.71	2.687					
2900.0	2.881	34.952	5.69	2.643					
2950.0	2.854	34.949	5.75	2.612					
3000.0	2.828	34.946	5.69	2.581					



Station 16

Station	: 17	Campagne	: ARCANE 98
Date	: 27-06-98	Navire	: LA THALASSA
Profondeur	: 4908	Organisme	: IFREMER
Position	: N 44 49.31		
	W 8 35.44		

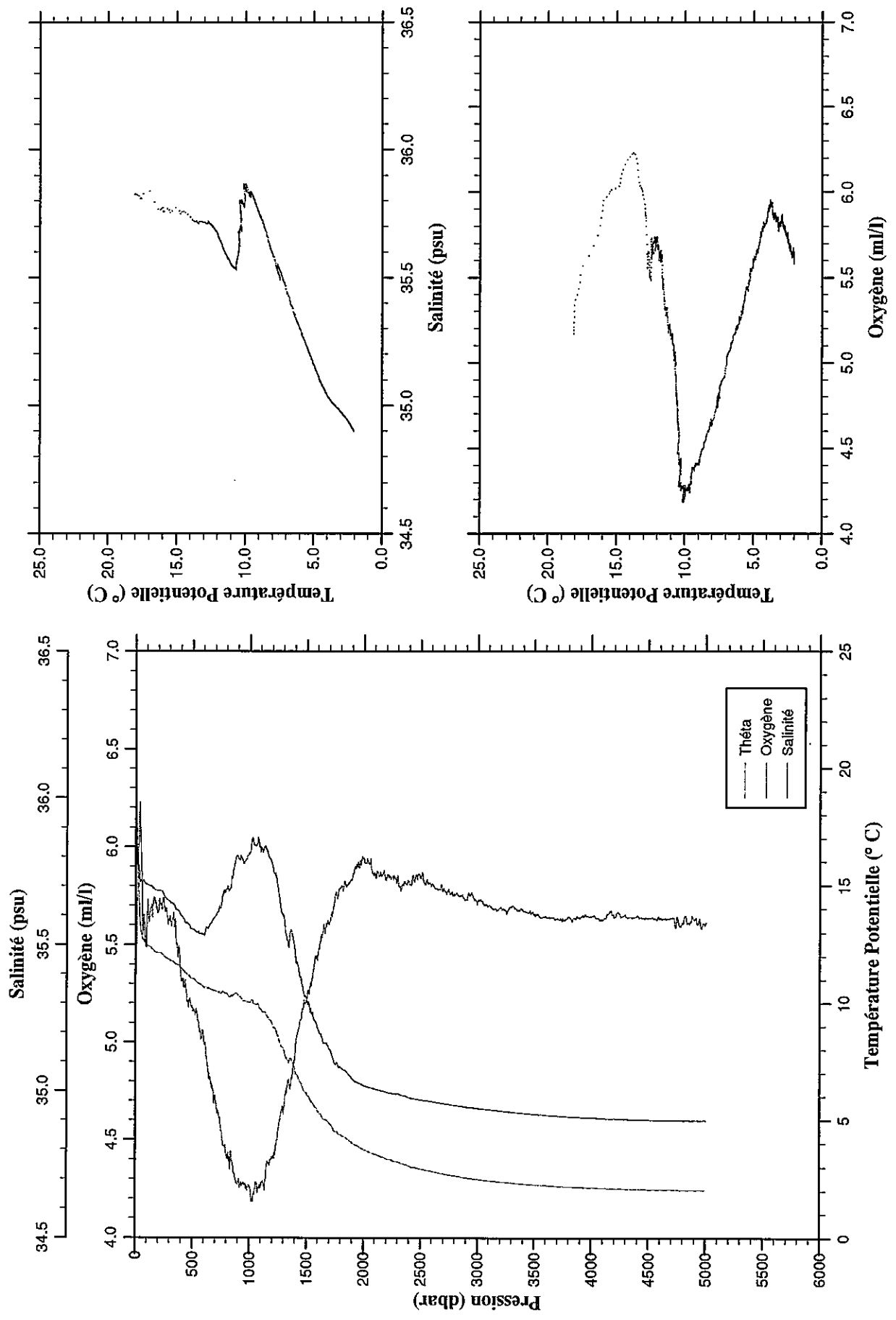
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.682	35.752	5.30	17.681	3050.0	2.696	34.937	5.70	2.447
10.0	17.571	35.752	5.30	17.569	3100.0	2.679	34.935	5.68	2.425
20.0	17.333	35.770	5.45	17.330	3150.0	2.663	34.933	5.67	2.404
30.0	15.709	35.737	5.86	15.704	3200.0	2.645	34.931	5.67	2.381
40.0	15.352	35.747	5.95	15.346	3250.0	2.630	34.930	5.67	2.361
50.0	14.034	35.724	6.17	14.027	3300.0	2.617	34.928	5.67	2.343
100.0	12.285	35.682	5.77	12.272	3350.0	2.600	34.927	5.64	2.322
150.0	12.035	35.665	5.72	12.016	3400.0	2.586	34.924	5.64	2.302
200.0	11.897	35.650	5.71	11.871	3450.0	2.574	34.923	5.65	2.286
250.0	11.763	35.633	5.65	11.731	3500.0	2.563	34.922	5.64	2.269
300.0	11.491	35.594	5.51	11.452	3550.0	2.551	34.920	5.63	2.252
350.0	11.311	35.573	5.38	11.267	3600.0	2.541	34.918	5.63	2.237
400.0	11.104	35.553	5.23	11.054	3650.0	2.539	34.918	5.63	2.229
450.0	10.888	35.544	5.12	10.832	3700.0	2.535	34.917	5.61	2.219
500.0	10.729	35.531	5.02	10.667	3750.0	2.527	34.915	5.63	2.206
550.0	10.616	35.538	4.90	10.548	3800.0	2.523	34.914	5.61	2.197
600.0	10.457	35.547	4.77	10.384	3850.0	2.519	34.914	5.62	2.187
650.0	10.480	35.600	4.62	10.400	3900.0	2.514	34.912	5.61	2.177
700.0	10.280	35.612	4.52	10.194	3950.0	2.511	34.912	5.60	2.168
750.0	10.234	35.648	4.42	10.143	4000.0	2.504	34.911	5.63	2.156
800.0	10.089	35.681	4.34	9.992	4050.0	2.502	34.909	5.63	2.148
850.0	10.010	35.720	4.31	9.907	4100.0	2.498	34.909	5.61	2.138
900.0	10.037	35.790	4.28	9.927	4150.0	2.493	34.907	5.62	2.127
950.0	9.831	35.771	4.30	9.717	4200.0	2.487	34.907	5.61	2.116
1000.0	9.837	35.805	4.30	9.717	4250.0	2.483	34.905	5.61	2.107
1050.0	9.856	35.852	4.32	9.729	4300.0	2.485	34.904	5.63	2.102
1100.0	9.298	35.774	4.42	9.169	4350.0	2.485	34.904	5.62	2.096
1150.0	8.873	35.714	4.51	8.741	4400.0	2.485	34.904	5.63	2.090
1200.0	8.351	35.628	4.64	8.218	4450.0	2.486	34.903	5.63	2.085
1250.0	7.982	35.586	4.75	7.846	4500.0	2.487	34.902	5.62	2.080
1300.0	7.352	35.491	4.92	7.216	4550.0	2.489	34.902	5.63	2.076
1350.0	6.937	35.425	5.06	6.800	4600.0	2.491	34.901	5.62	2.072
1400.0	6.253	35.316	5.23	6.117	4650.0	2.495	34.901	5.63	2.069
1450.0	5.785	35.246	5.37	5.649	4700.0	2.498	34.901	5.61	2.066
1500.0	5.394	35.195	5.50	5.258	4750.0	2.500	34.901	5.62	2.062
1550.0	5.070	35.151	5.60	4.932	4800.0	2.504	34.901	5.63	2.059
1600.0	4.819	35.117	5.70	4.680	4850.0	2.510	34.900	5.62	2.060
1650.0	4.655	35.101	5.74	4.512	4900.0	2.517	34.900	5.62	2.059
1700.0	4.467	35.080	5.79	4.322	4950.0	2.523	34.900	5.62	2.059
1750.0	4.269	35.062	5.84	4.122	4982.0	2.527	34.900	5.61	2.059
1800.0	4.045	35.037	5.87	3.896					
1850.0	3.907	35.024	5.86	3.755					
1900.0	3.782	35.017	5.85	3.627					
1950.0	3.630	34.999	5.90	3.473					
2000.0	3.546	34.994	5.90	3.386					
2050.0	3.471	34.990	5.87	3.307					
2100.0	3.398	34.986	5.86	3.230					
2150.0	3.324	34.981	5.86	3.152					
2200.0	3.265	34.978	5.84	3.090					
2250.0	3.231	34.975	5.85	3.052					
2300.0	3.203	34.974	5.84	3.019					
2350.0	3.167	34.972	5.81	2.979					
2400.0	3.092	34.967	5.81	2.900					
2450.0	3.054	34.965	5.81	2.858					
2500.0	3.025	34.963	5.80	2.825					
2550.0	2.984	34.961	5.78	2.779					
2600.0	2.951	34.958	5.79	2.742					
2650.0	2.923	34.956	5.77	2.710					
2700.0	2.897	34.954	5.76	2.679					
2750.0	2.863	34.951	5.75	2.641					
2800.0	2.831	34.949	5.73	2.604					
2850.0	2.801	34.946	5.71	2.569					
2900.0	2.771	34.943	5.69	2.536					
2950.0	2.748	34.941	5.70	2.507					
3000.0	2.725	34.939	5.67	2.480					



Station 17

Station	: 18	Campagne	: ARCANE 98
Date	: 27-06-98	Navire	: LA THALASSA
Profondeur	: 4925	Organisme	: IFREMER
Position	: N 44 50.06		
	W 9 10.04		

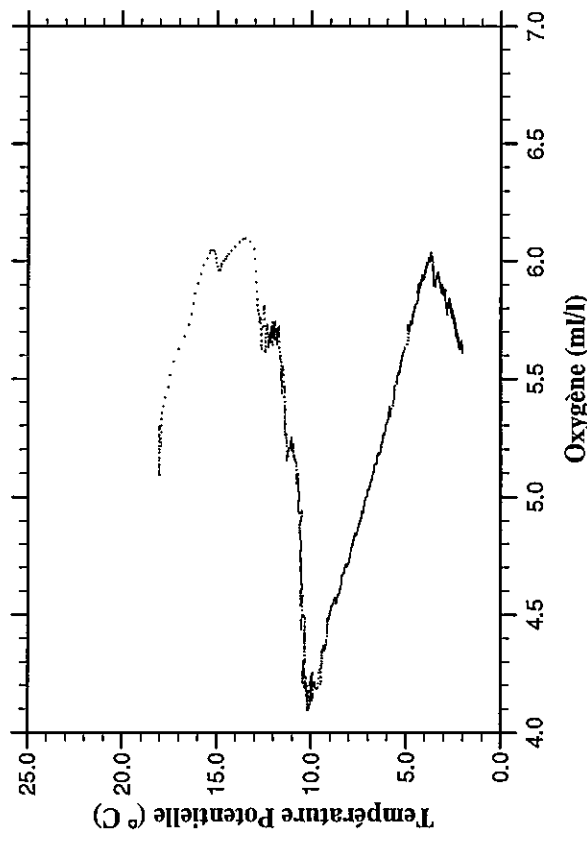
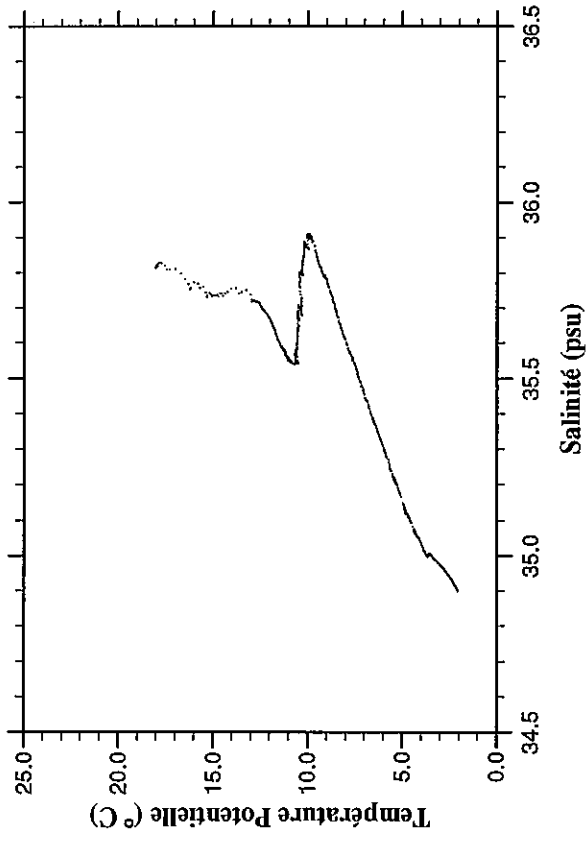
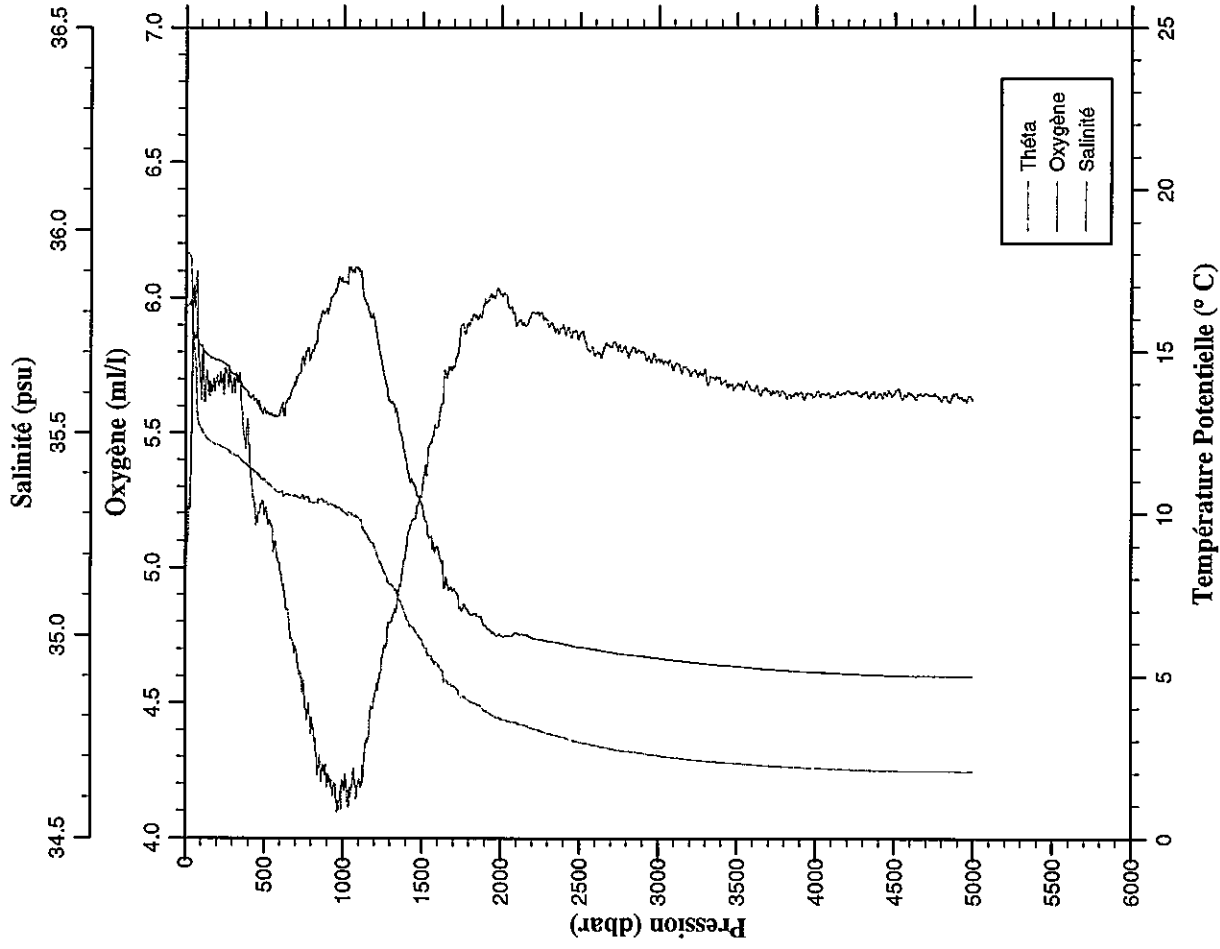
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.102	35.826	5.17	18.102	3050.0	2.720	34.939	5.71	2.470
10.0	17.769	35.818	5.43	17.767	3100.0	2.702	34.937	5.70	2.447
20.0	16.023	35.758	5.92	16.020	3150.0	2.679	34.935	5.68	2.420
30.0	14.667	35.757	6.11	14.663	3200.0	2.658	34.933	5.69	2.394
40.0	13.466	35.712	6.13	13.460	3250.0	2.642	34.931	5.66	2.373
50.0	12.972	35.715	5.93	12.965	3300.0	2.625	34.929	5.69	2.351
100.0	12.501	35.704	5.63	12.487	3350.0	2.604	34.927	5.68	2.325
150.0	12.326	35.691	5.70	12.306	3400.0	2.590	34.924	5.67	2.306
200.0	12.196	35.684	5.67	12.170	3450.0	2.579	34.923	5.66	2.290
250.0	12.045	35.667	5.71	12.012	3500.0	2.567	34.922	5.65	2.273
300.0	11.899	35.646	5.62	11.860	3550.0	2.556	34.920	5.63	2.256
350.0	11.727	35.622	5.61	11.681	3600.0	2.545	34.919	5.64	2.240
400.0	11.550	35.598	5.32	11.499	3650.0	2.536	34.917	5.64	2.226
450.0	11.307	35.575	5.21	11.250	3700.0	2.526	34.916	5.64	2.211
500.0	11.124	35.553	5.18	11.061	3750.0	2.518	34.914	5.62	2.197
550.0	10.920	35.543	5.11	10.851	3800.0	2.511	34.913	5.64	2.185
600.0	10.760	35.534	5.02	10.685	3850.0	2.506	34.912	5.63	2.174
650.0	10.713	35.566	4.83	10.632	3900.0	2.502	34.911	5.64	2.165
700.0	10.625	35.598	4.72	10.538	3950.0	2.499	34.910	5.65	2.156
750.0	10.510	35.626	4.55	10.417	4000.0	2.495	34.909	5.64	2.147
800.0	10.517	35.692	4.41	10.418	4050.0	2.487	34.907	5.63	2.133
850.0	10.409	35.727	4.38	10.304	4100.0	2.483	34.907	5.63	2.124
900.0	10.462	35.797	4.29	10.350	4150.0	2.483	34.905	5.66	2.117
950.0	10.213	35.778	4.27	10.096	4200.0	2.482	34.906	5.64	2.111
1000.0	10.158	35.810	4.26	10.035	4250.0	2.481	34.905	5.65	2.104
1050.0	10.087	35.838	4.26	9.958	4300.0	2.480	34.904	5.64	2.098
1100.0	9.870	35.825	4.26	9.736	4350.0	2.479	34.903	5.64	2.090
1150.0	9.619	35.821	4.36	9.481	4400.0	2.480	34.903	5.65	2.085
1200.0	9.257	35.766	4.41	9.116	4450.0	2.482	34.903	5.64	2.082
1250.0	8.702	35.687	4.54	8.559	4500.0	2.484	34.902	5.63	2.077
1300.0	8.157	35.599	4.64	8.013	4550.0	2.485	34.901	5.64	2.072
1350.0	7.690	35.516	4.78	7.545	4600.0	2.487	34.901	5.63	2.068
1400.0	7.271	35.475	4.92	7.125	4650.0	2.491	34.901	5.63	2.066
1450.0	6.727	35.384	5.12	6.581	4700.0	2.494	34.900	5.64	2.063
1500.0	6.297	35.321	5.22	6.151	4750.0	2.498	34.901	5.64	2.060
1550.0	5.932	35.270	5.33	5.784	4800.0	2.502	34.899	5.60	2.057
1600.0	5.530	35.214	5.46	5.382	4850.0	2.505	34.899	5.61	2.055
1650.0	5.199	35.164	5.60	5.049	4900.0	2.512	34.899	5.63	2.055
1700.0	5.027	35.143	5.61	4.875	4950.0	2.518	34.899	5.61	2.054
1750.0	4.673	35.092	5.75	4.520	5000.0	2.525	34.899	5.61	2.054
1800.0	4.525	35.080	5.79	4.370	5002.0	2.525	34.899	5.61	2.054
1850.0	4.395	35.066	5.80	4.237					
1900.0	4.202	35.042	5.84	4.042					
1950.0	4.073	35.029	5.92	3.909					
2000.0	3.931	35.020	5.94	3.764					
2050.0	3.820	35.013	5.91	3.650					
2100.0	3.738	35.007	5.86	3.564					
2150.0	3.638	35.002	5.86	3.461					
2200.0	3.556	34.997	5.84	3.375					
2250.0	3.480	34.993	5.85	3.296					
2300.0	3.427	34.991	5.82	3.239					
2350.0	3.347	34.984	5.81	3.156					
2400.0	3.256	34.978	5.81	3.062					
2450.0	3.196	34.974	5.84	2.998					
2500.0	3.141	34.970	5.84	2.939					
2550.0	3.097	34.967	5.83	2.891					
2600.0	3.051	34.964	5.81	2.840					
2650.0	2.997	34.961	5.78	2.782					
2700.0	2.951	34.957	5.79	2.732					
2750.0	2.915	34.955	5.76	2.691					
2800.0	2.877	34.952	5.75	2.650					
2850.0	2.837	34.948	5.75	2.605					
2900.0	2.799	34.946	5.73	2.563					
2950.0	2.775	34.943	5.76	2.534					
3000.0	2.750	34.941	5.72	2.505					



Station 18

Station	: 19	Campagne	: ARCANE 98
Date	: 28-06-98	Navire	: LA THALASSA
Profondeur	: 4914	Organisme	: IFREMER
Position	: N 44 49.55		
	W 9 48.37		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.061	35.814	5.29	18.061	3050.0	2.766	34.942	5.76	2.515
10.0	18.057	35.815	5.17	18.055	3100.0	2.741	34.940	5.75	2.486
20.0	18.053	35.816	5.24	18.050	3150.0	2.724	34.939	5.73	2.464
30.0	17.948	35.822	5.27	17.943	3200.0	2.699	34.936	5.71	2.434
40.0	16.745	35.799	5.68	16.738	3250.0	2.676	34.934	5.71	2.406
50.0	15.359	35.732	6.05	15.351	3300.0	2.659	34.932	5.71	2.384
100.0	12.641	35.715	5.64	12.627	3350.0	2.640	34.930	5.70	2.360
150.0	12.298	35.690	5.64	12.278	3400.0	2.628	34.928	5.68	2.344
200.0	12.167	35.680	5.71	12.141	3450.0	2.620	34.928	5.68	2.330
250.0	12.059	35.670	5.73	12.026	3500.0	2.606	34.926	5.68	2.311
300.0	11.879	35.646	5.67	11.840	3550.0	2.592	34.924	5.68	2.292
350.0	11.736	35.625	5.61	11.690	3600.0	2.580	34.922	5.66	2.274
400.0	11.491	35.591	5.45	11.439	3650.0	2.567	34.921	5.64	2.256
450.0	11.298	35.576	5.19	11.241	3700.0	2.555	34.919	5.66	2.239
500.0	11.108	35.559	5.20	11.045	3750.0	2.545	34.917	5.66	2.224
550.0	10.873	35.544	5.14	10.804	3800.0	2.536	34.916	5.65	2.209
600.0	10.741	35.555	4.99	10.666	3850.0	2.529	34.915	5.64	2.197
650.0	10.680	35.587	4.85	10.599	3900.0	2.522	34.913	5.65	2.185
700.0	10.652	35.627	4.70	10.565	3950.0	2.516	34.912	5.65	2.173
750.0	10.538	35.667	4.58	10.445	4000.0	2.511	34.911	5.65	2.163
800.0	10.468	35.704	4.43	10.369	4050.0	2.509	34.911	5.64	2.154
850.0	10.529	35.775	4.30	10.423	4100.0	2.504	34.910	5.64	2.144
900.0	10.399	35.800	4.23	10.288	4150.0	2.500	34.909	5.64	2.134
950.0	10.354	35.851	4.20	10.236	4200.0	2.495	34.907	5.66	2.124
1000.0	10.191	35.871	4.21	10.068	4250.0	2.492	34.906	5.65	2.115
1050.0	10.147	35.910	4.18	10.018	4300.0	2.489	34.905	5.65	2.106
1100.0	9.979	35.899	4.20	9.844	4350.0	2.488	34.905	5.65	2.099
1150.0	9.512	35.818	4.37	9.375	4400.0	2.487	34.904	5.65	2.093
1200.0	9.100	35.769	4.52	8.960	4450.0	2.488	34.903	5.65	2.087
1250.0	8.447	35.656	4.68	8.307	4500.0	2.488	34.903	5.65	2.081
1300.0	7.958	35.575	4.80	7.817	4550.0	2.489	34.902	5.63	2.076
1350.0	7.579	35.527	4.90	7.436	4600.0	2.493	34.902	5.65	2.074
1400.0	6.964	35.426	5.07	6.821	4650.0	2.497	34.902	5.64	2.071
1450.0	6.614	35.374	5.18	6.469	4700.0	2.500	34.901	5.65	2.068
1500.0	6.241	35.320	5.29	6.095	4750.0	2.505	34.901	5.65	2.067
1550.0	5.777	35.242	5.46	5.632	4800.0	2.509	34.901	5.63	2.065
1600.0	5.546	35.216	5.52	5.398	4850.0	2.513	34.901	5.62	2.062
1650.0	5.087	35.145	5.72	4.940	4900.0	2.515	34.900	5.63	2.058
1700.0	4.851	35.114	5.75	4.701	4950.0	2.521	34.900	5.61	2.057
1750.0	4.491	35.062	5.90	4.341	4993.0	2.526	34.900	5.62	2.057
1800.0	4.393	35.055	5.90	4.239					
1850.0	4.277	35.047	5.93	4.120					
1900.0	4.095	35.024	6.00	3.936					
1950.0	3.958	35.006	6.01	3.795					
2000.0	3.842	34.999	6.01	3.677					
2050.0	3.769	34.999	5.96	3.600					
2100.0	3.746	35.007	5.90	3.573					
2150.0	3.668	35.003	5.90	3.490					
2200.0	3.568	34.995	5.95	3.387					
2250.0	3.503	34.991	5.94	3.319					
2300.0	3.420	34.986	5.90	3.232					
2350.0	3.365	34.985	5.88	3.173					
2400.0	3.308	34.980	5.89	3.112					
2450.0	3.234	34.976	5.86	3.034					
2500.0	3.169	34.972	5.87	2.966					
2550.0	3.126	34.970	5.81	2.919					
2600.0	3.079	34.967	5.79	2.868					
2650.0	3.026	34.962	5.81	2.811					
2700.0	2.987	34.960	5.82	2.767					
2750.0	2.942	34.957	5.83	2.718					
2800.0	2.906	34.954	5.80	2.678					
2850.0	2.889	34.953	5.81	2.656					
2900.0	2.855	34.950	5.80	2.618					
2950.0	2.823	34.948	5.77	2.582					
3000.0	2.798	34.945	5.78	2.552					



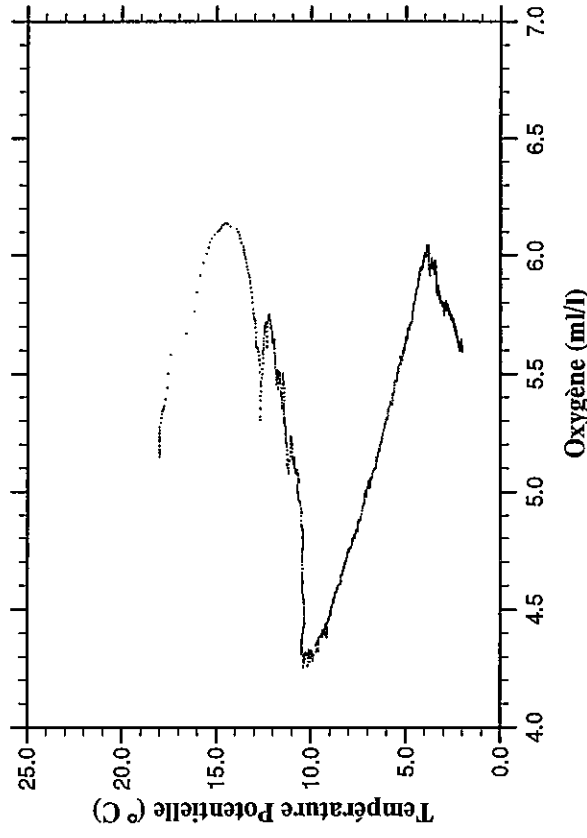
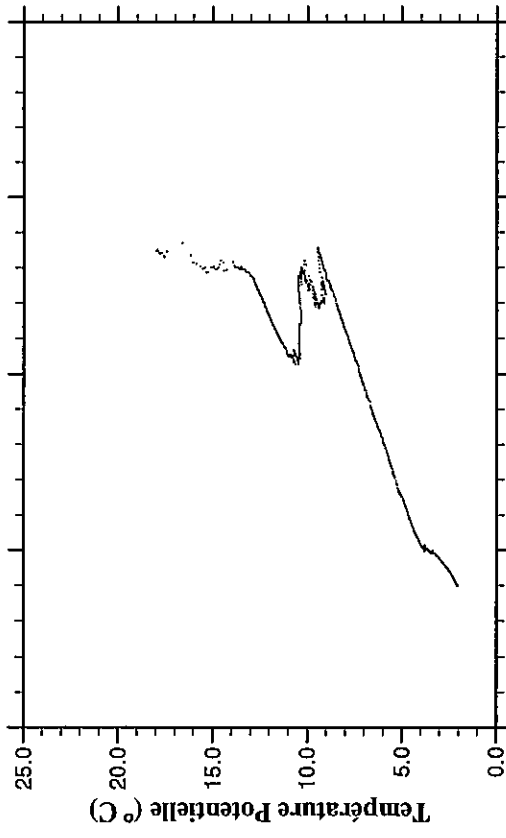
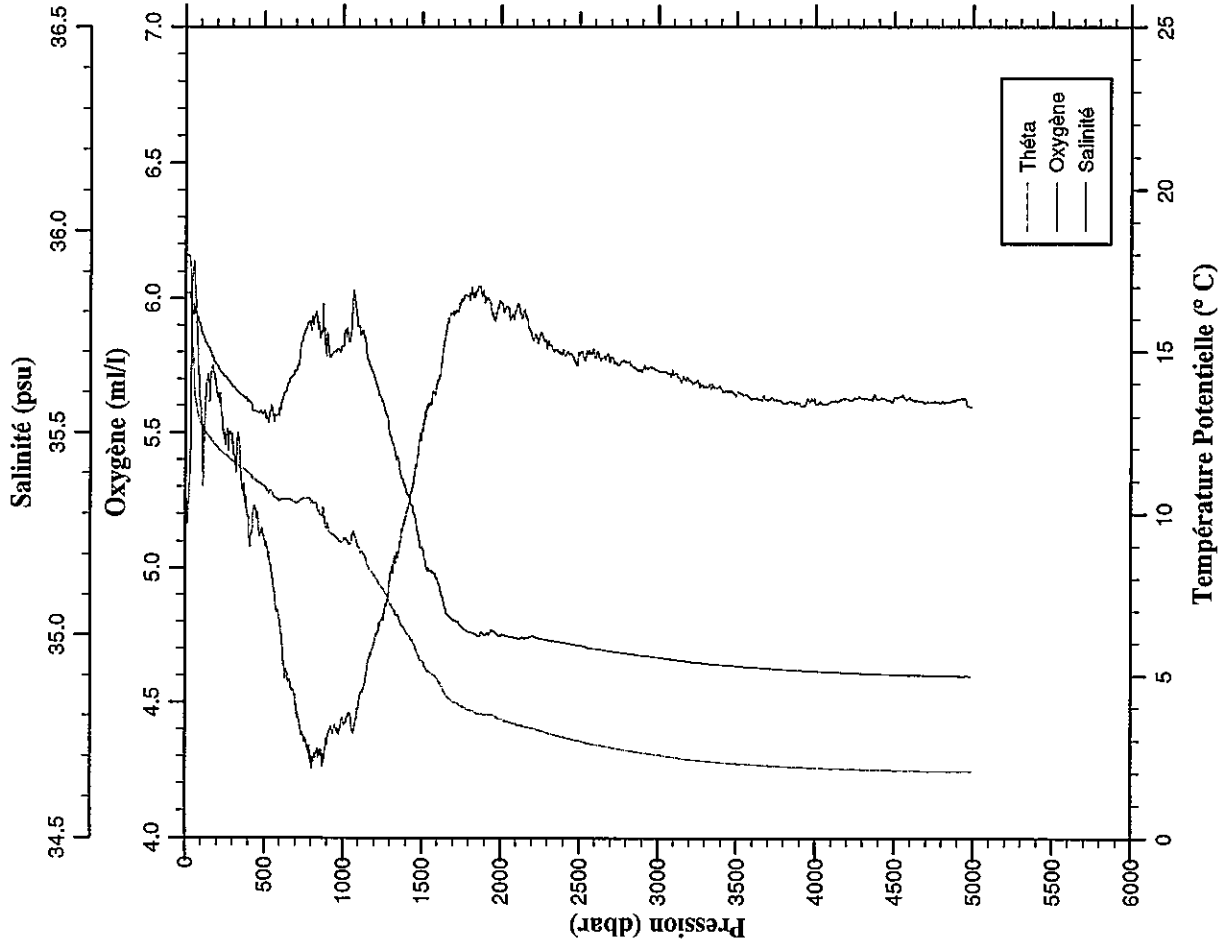
Station 19

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| Station   : 20           Campagne  : ARCANE 98
| Date     : 28-06-98    Navire    : LA THALASSA
| Profondeur : 4917      Organisme : IFREMER
| Position  : N 45 7.04
|           : W 10 12.00
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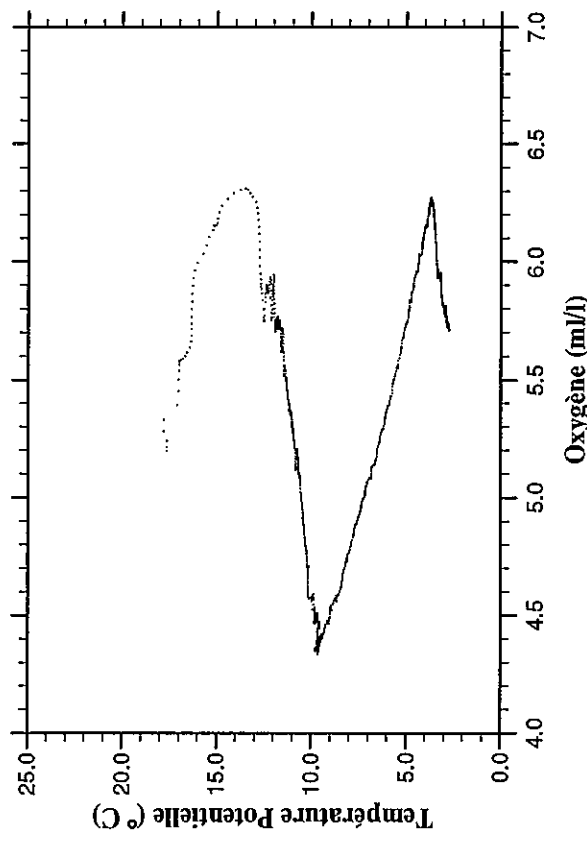
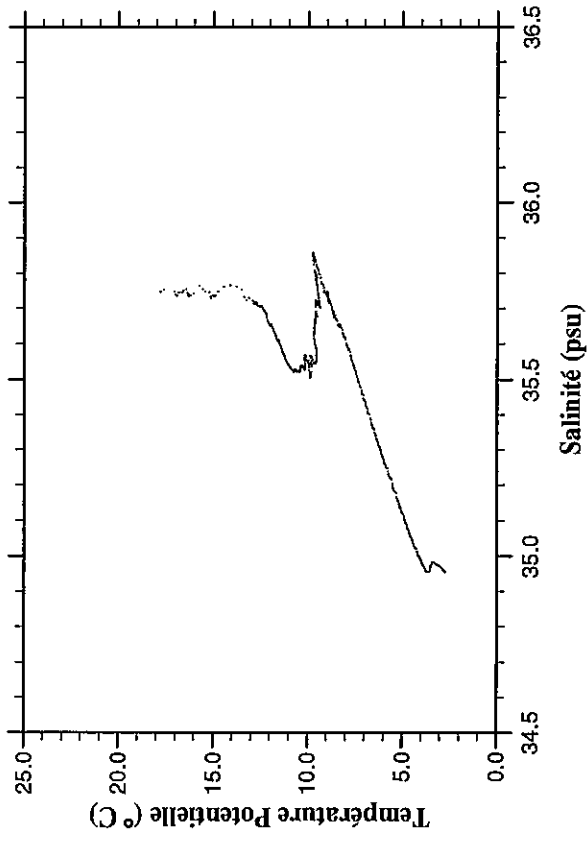
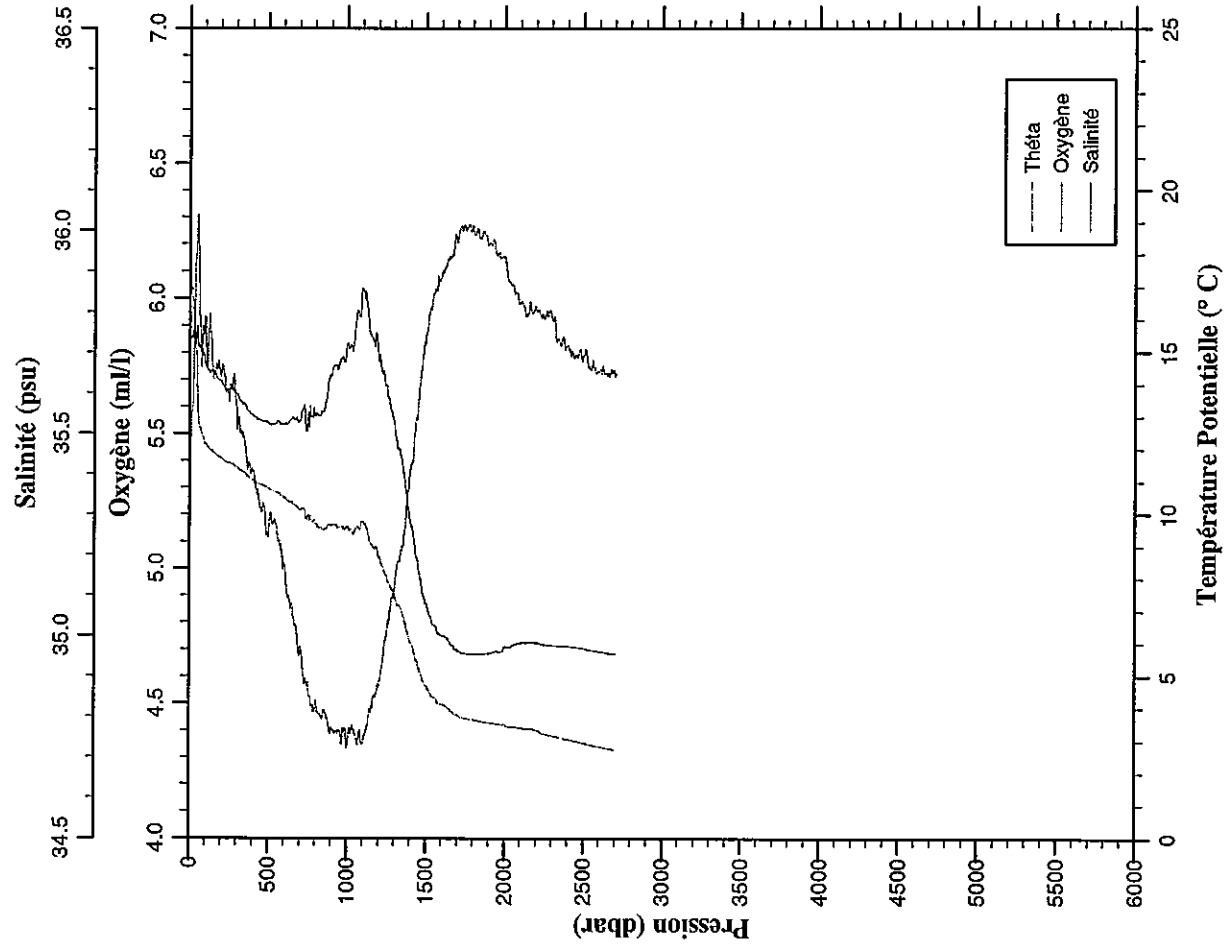
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.026	35.848	5.15	18.026	3050.0	2.777	34.943	5.73	2.526
10.0	18.020	35.847	5.22	18.018	3100.0	2.750	34.940	5.72	2.495
20.0	18.015	35.846	5.25	18.012	3150.0	2.720	34.938	5.69	2.459
30.0	17.809	35.840	5.35	17.804	3200.0	2.689	34.935	5.69	2.424
40.0	15.700	35.804	5.97	15.693	3250.0	2.668	34.933	5.70	2.398
50.0	14.757	35.800	6.12	14.750	3300.0	2.648	34.931	5.67	2.373
100.0	12.774	35.753	5.56	12.760	3350.0	2.631	34.929	5.67	2.352
150.0	12.409	35.712	5.68	12.389	3400.0	2.615	34.927	5.66	2.331
200.0	12.099	35.668	5.64	12.073	3450.0	2.600	34.925	5.65	2.311
250.0	11.870	35.640	5.50	11.838	3500.0	2.592	34.925	5.65	2.297
300.0	11.669	35.615	5.48	11.630	3550.0	2.578	34.923	5.64	2.278
350.0	11.478	35.594	5.37	11.433	3600.0	2.572	34.922	5.63	2.267
400.0	11.313	35.578	5.16	11.262	3650.0	2.561	34.920	5.62	2.251
450.0	11.081	35.553	5.19	11.025	3700.0	2.554	34.919	5.63	2.238
500.0	10.942	35.551	5.11	10.879	3750.0	2.545	34.917	5.62	2.224
550.0	10.751	35.564	4.97	10.683	3800.0	2.535	34.916	5.61	2.208
600.0	10.497	35.558	4.80	10.423	3850.0	2.529	34.915	5.61	2.197
650.0	10.550	35.623	4.59	10.470	3900.0	2.525	34.914	5.60	2.187
700.0	10.439	35.655	4.49	10.352	3950.0	2.520	34.912	5.63	2.177
750.0	10.587	35.743	4.38	10.494	4000.0	2.516	34.912	5.61	2.168
800.0	10.489	35.771	4.30	10.389	4050.0	2.512	34.911	5.60	2.157
850.0	10.135	35.764	4.32	10.031	4100.0	2.511	34.909	5.61	2.151
900.0	9.857	35.749	4.35	9.749	4150.0	2.507	34.909	5.62	2.141
950.0	9.428	35.703	4.42	9.316	4200.0	2.503	34.908	5.63	2.131
1000.0	9.271	35.714	4.44	9.155	4250.0	2.503	34.907	5.63	2.125
1050.0	9.279	35.748	4.44	9.156	4300.0	2.498	34.907	5.63	2.114
1100.0	9.094	35.766	4.49	8.966	4350.0	2.501	34.906	5.63	2.111
1150.0	8.613	35.698	4.61	8.483	4400.0	2.500	34.905	5.63	2.104
1200.0	8.215	35.634	4.73	8.083	4450.0	2.502	34.905	5.62	2.100
1250.0	7.859	35.578	4.82	7.724	4500.0	2.504	34.904	5.63	2.097
1300.0	7.340	35.493	4.98	7.204	4550.0	2.503	34.903	5.64	2.090
1350.0	6.980	35.437	5.06	6.842	4600.0	2.505	34.903	5.63	2.085
1400.0	6.492	35.361	5.20	6.354	4650.0	2.507	34.902	5.62	2.081
1450.0	6.102	35.300	5.33	5.963	4700.0	2.508	34.901	5.61	2.076
1500.0	5.607	35.219	5.50	5.469	4750.0	2.510	34.902	5.62	2.072
1550.0	5.233	35.159	5.61	5.093	4800.0	2.514	34.901	5.62	2.069
1600.0	5.018	35.133	5.69	4.876	4850.0	2.518	34.901	5.61	2.067
1650.0	4.577	35.067	5.86	4.436	4900.0	2.522	34.900	5.62	2.065
1700.0	4.341	35.037	5.95	4.197	4950.0	2.527	34.900	5.62	2.063
1750.0	4.215	35.023	6.00	4.069	4988.0	2.531	34.901	5.60	2.062
1800.0	4.079	35.007	6.02	3.929					
1850.0	3.979	35.000	6.03	3.826					
1900.0	3.953	35.001	5.99	3.796					
1950.0	3.945	35.012	5.94	3.783					
2000.0	3.818	35.001	5.99	3.653					
2050.0	3.742	34.998	5.96	3.573					
2100.0	3.678	34.994	5.96	3.505					
2150.0	3.605	34.993	5.96	3.428					
2200.0	3.578	34.998	5.85	3.397					
2250.0	3.496	34.993	5.87	3.311					
2300.0	3.430	34.990	5.84	3.242					
2350.0	3.360	34.986	5.81	3.169					
2400.0	3.311	34.982	5.80	3.115					
2450.0	3.245	34.979	5.79	3.045					
2500.0	3.199	34.975	5.79	2.996					
2550.0	3.125	34.969	5.80	2.918					
2600.0	3.093	34.967	5.78	2.881					
2650.0	3.050	34.964	5.78	2.834					
2700.0	3.006	34.961	5.78	2.786					
2750.0	2.972	34.959	5.75	2.747					
2800.0	2.940	34.956	5.76	2.711					
2850.0	2.904	34.953	5.74	2.671					
2900.0	2.871	34.950	5.73	2.633					
2950.0	2.840	34.949	5.75	2.598					
3000.0	2.811	34.946	5.73	2.564					



Station 20

Station	: 21	Campagne	: ARCANE 98
Date	: 28-06-98	Navire	: LA THALASSA
Profondeur	: 2706	Organisme	: IFREMER
Position	: N 45 23.63		
	W 10 37.15		

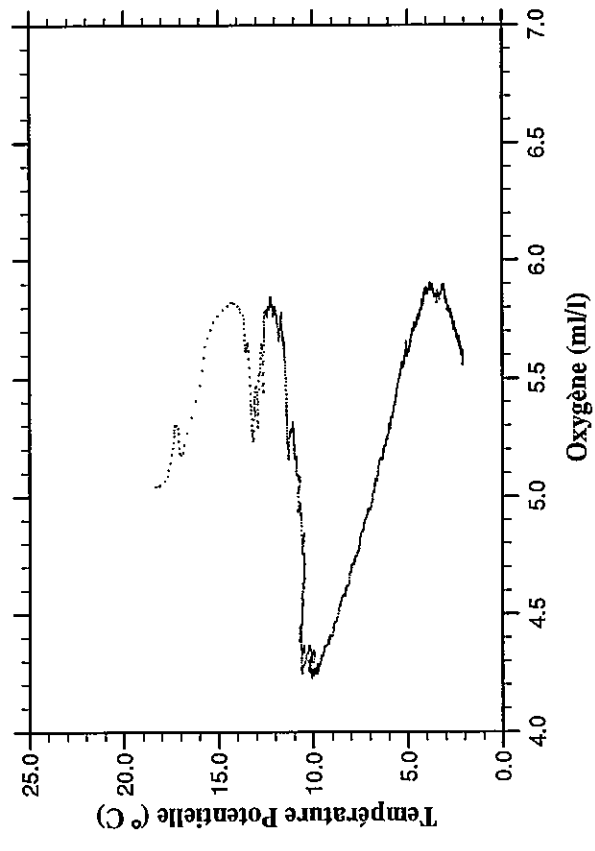
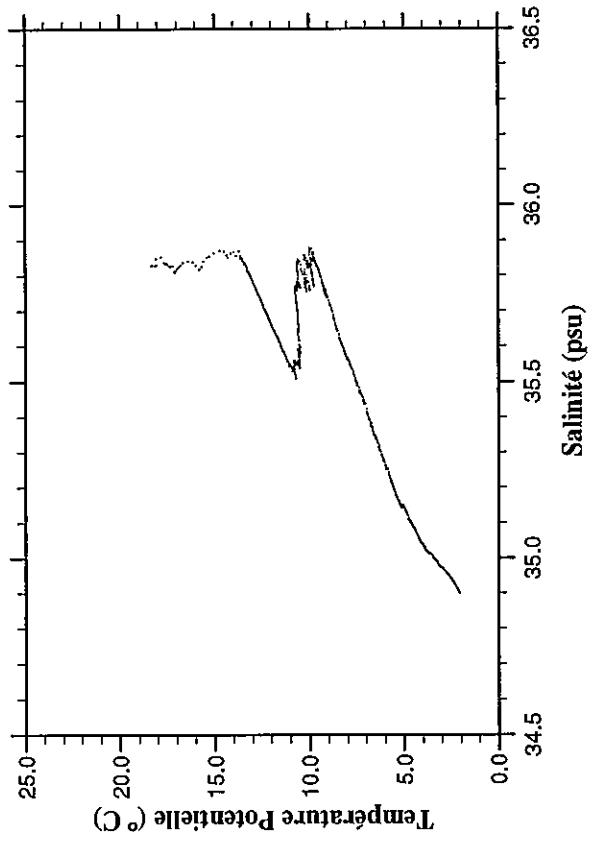
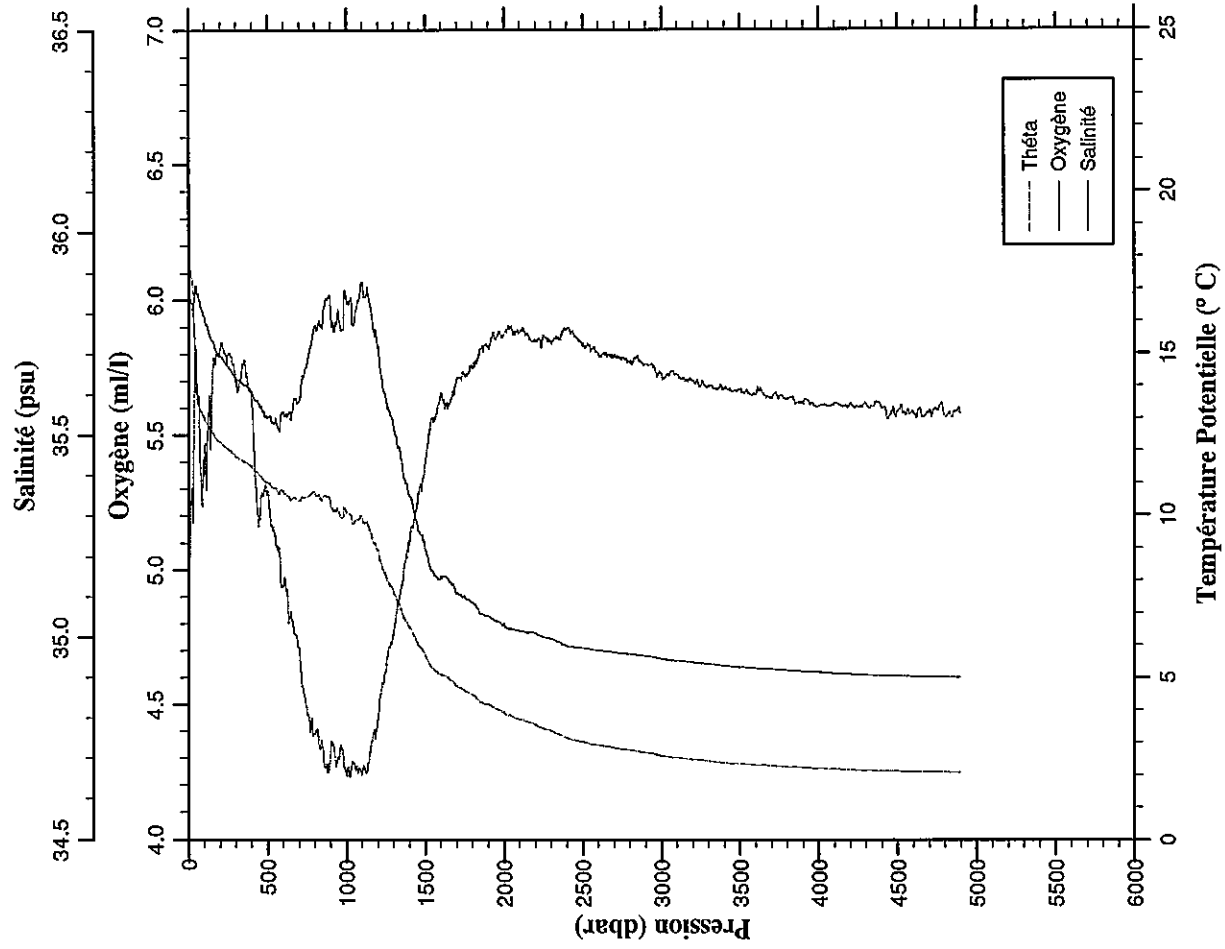
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.654	35.754	5.20	17.654
10.0	17.001	35.736	5.57	17.000
20.0	16.590	35.751	5.62	16.586
30.0	16.295	35.739	5.90	16.290
40.0	15.137	35.731	6.16	15.131
50.0	13.504	35.754	6.31	13.497
100.0	12.184	35.668	5.93	12.171
150.0	11.948	35.650	5.71	11.928
200.0	11.790	35.631	5.72	11.764
250.0	11.637	35.612	5.62	11.605
300.0	11.516	35.598	5.54	11.477
350.0	11.338	35.571	5.47	11.294
400.0	11.140	35.547	5.36	11.089
450.0	10.995	35.533	5.23	10.939
500.0	10.875	35.526	5.12	10.812
550.0	10.778	35.526	5.17	10.709
600.0	10.611	35.523	5.02	10.537
650.0	10.462	35.538	4.86	10.383
700.0	10.237	35.534	4.69	10.152
750.0	10.069	35.538	4.57	9.978
800.0	9.800	35.545	4.50	9.705
850.0	9.645	35.555	4.47	9.545
900.0	9.760	35.645	4.41	9.652
950.0	9.716	35.673	4.40	9.602
1000.0	9.753	35.722	4.33	9.633
1050.0	9.643	35.757	4.38	9.517
1100.0	9.895	35.853	4.35	9.761
1150.0	9.238	35.747	4.47	9.103
1200.0	8.815	35.685	4.56	8.678
1250.0	8.244	35.621	4.75	8.106
1300.0	7.661	35.526	4.92	7.522
1350.0	7.091	35.428	5.08	6.952
1400.0	6.214	35.284	5.36	6.079
1450.0	5.455	35.177	5.61	5.324
1500.0	4.858	35.078	5.87	4.728
1550.0	4.483	35.027	6.02	4.352
1600.0	4.268	35.001	6.09	4.136
1650.0	4.134	34.987	6.16	3.998
1700.0	3.938	34.966	6.21	3.800
1750.0	3.845	34.956	6.25	3.703
1800.0	3.812	34.955	6.25	3.667
1850.0	3.758	34.955	6.22	3.609
1900.0	3.729	34.956	6.20	3.575
1950.0	3.697	34.961	6.16	3.538
2000.0	3.670	34.973	6.15	3.508
2050.0	3.603	34.976	6.05	3.436
2100.0	3.589	34.983	5.99	3.418
2150.0	3.552	34.983	5.94	3.376
2200.0	3.526	34.983	5.95	3.347
2250.0	3.411	34.978	5.92	3.229
2300.0	3.357	34.976	5.93	3.170
2350.0	3.317	34.975	5.84	3.126
2400.0	3.259	34.974	5.83	3.064
2450.0	3.206	34.972	5.79	3.007
2500.0	3.162	34.969	5.79	2.959
2550.0	3.094	34.965	5.74	2.887
2600.0	3.044	34.961	5.73	2.833
2650.0	2.993	34.958	5.71	2.778
2700.0	2.966	34.956	5.71	2.746
2707.0	2.956	34.956	5.72	2.737



Station 21

Station	: 22	Campagne	: ARCANE 98
Date	: 28-06-98	Navire	: LA THALASSA
Profondeur	: 4819	Organisme	: IFREMER
Position	: N 45 38.44		
	W 11 4.51		

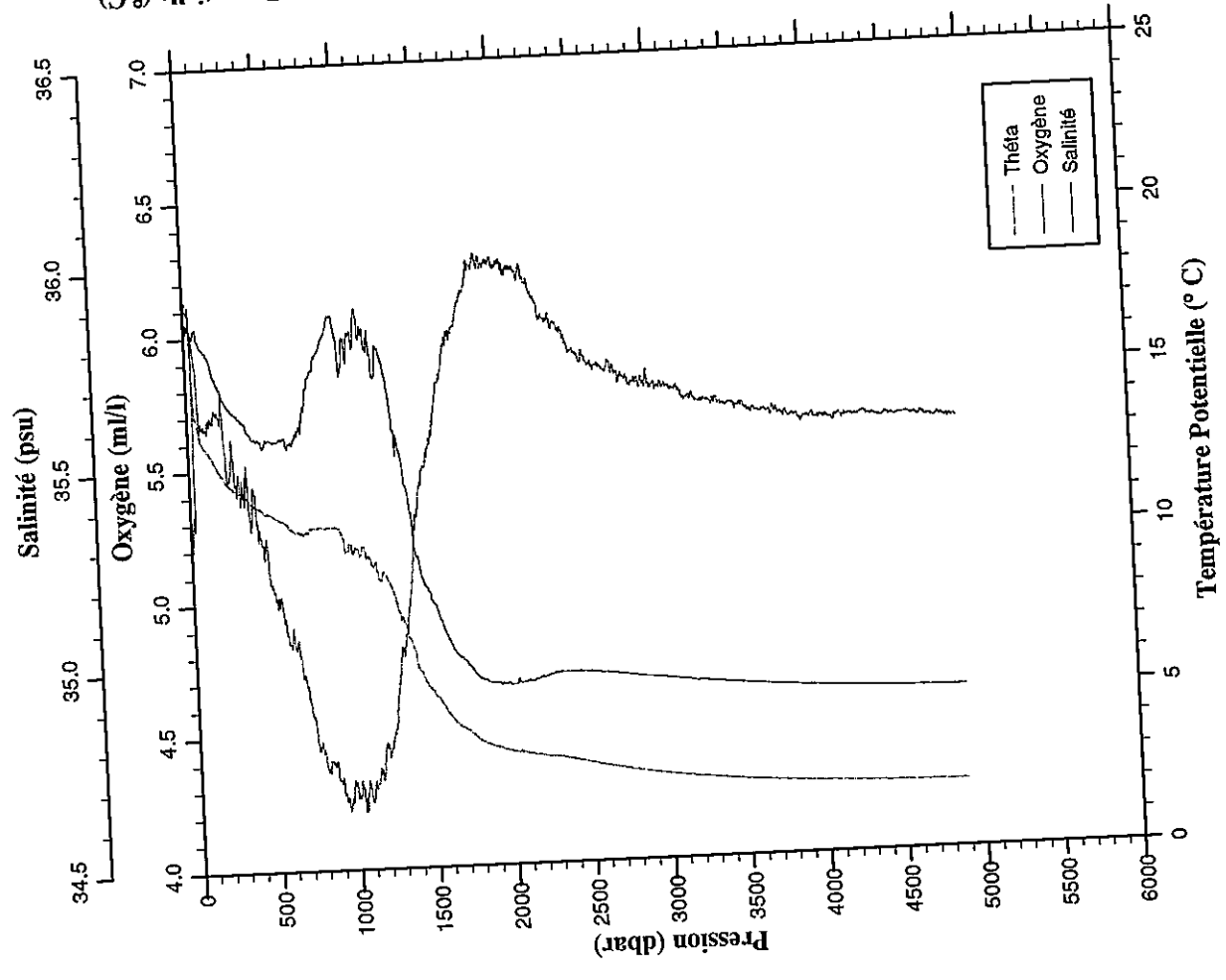
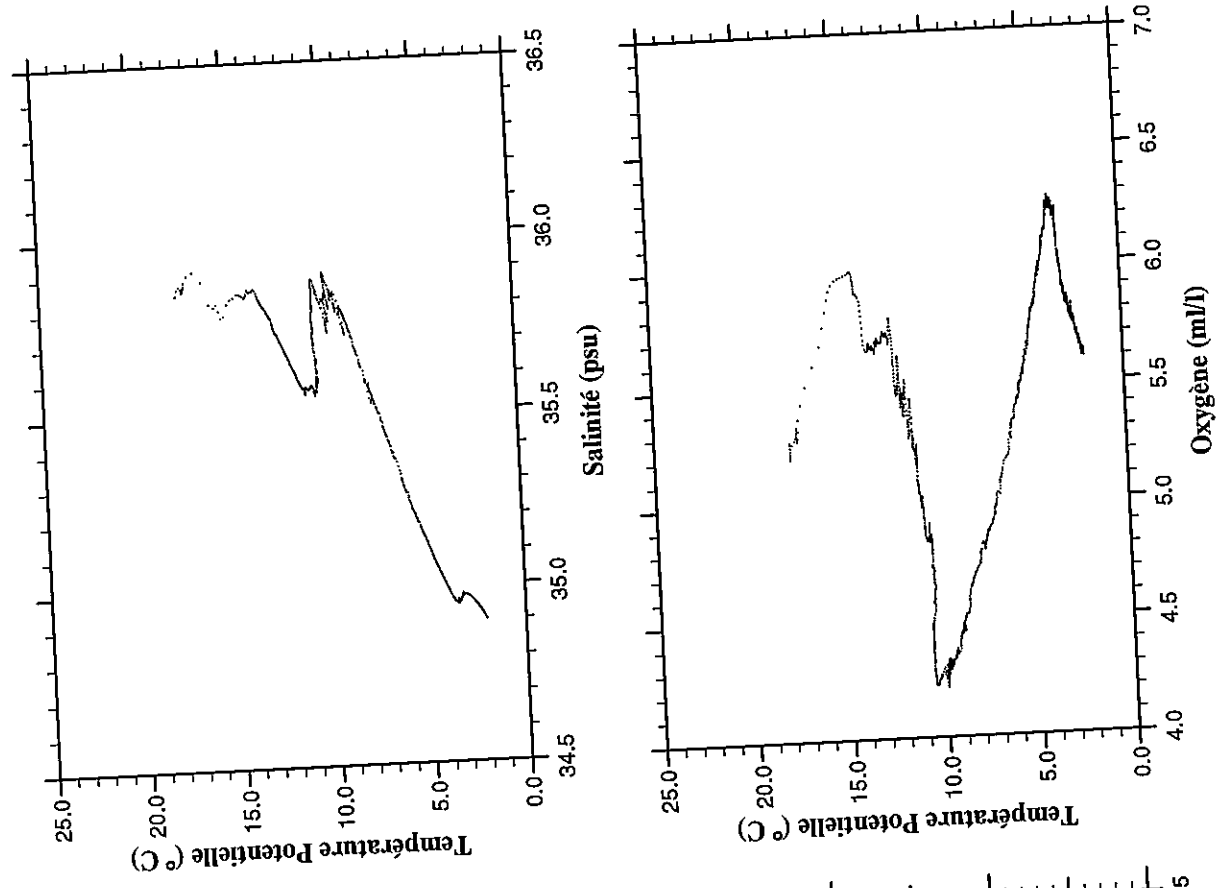
PRESSION	TEMPERA-TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA-TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.070	35.830	5.05	18.069	3050.0	2.792	34.943	5.73	2.540
10.0	17.671	35.837	5.09	17.669	3100.0	2.778	34.942	5.72	2.522
20.0	17.302	35.827	5.31	17.299	3150.0	2.764	34.941	5.70	2.503
30.0	16.654	35.837	5.27	16.649	3200.0	2.738	34.938	5.70	2.472
40.0	15.038	35.864	5.77	15.032	3250.0	2.716	34.935	5.68	2.445
50.0	13.662	35.856	5.75	13.655	3300.0	2.699	34.934	5.68	2.423
100.0	13.071	35.791	5.42	13.057	3350.0	2.668	34.932	5.67	2.388
150.0	12.605	35.733	5.70	12.585	3400.0	2.650	34.930	5.67	2.365
200.0	12.312	35.696	5.83	12.285	3450.0	2.636	34.928	5.66	2.346
250.0	12.106	35.670	5.80	12.072	3500.0	2.628	34.927	5.67	2.332
300.0	11.882	35.641	5.71	11.843	3550.0	2.613	34.925	5.65	2.313
350.0	11.725	35.624	5.78	11.680	3600.0	2.598	34.923	5.65	2.292
400.0	11.572	35.605	5.62	11.520	3650.0	2.594	34.922	5.65	2.283
450.0	11.314	35.572	5.19	11.257	3700.0	2.587	34.922	5.63	2.271
500.0	11.095	35.544	5.29	11.032	3750.0	2.574	34.919	5.64	2.252
550.0	10.955	35.540	5.12	10.886	3800.0	2.568	34.918	5.63	2.240
600.0	10.831	35.556	4.94	10.755	3850.0	2.559	34.917	5.61	2.226
650.0	10.592	35.549	4.83	10.512	3900.0	2.551	34.915	5.61	2.212
700.0	10.563	35.585	4.71	10.476	3950.0	2.544	34.914	5.62	2.200
750.0	10.689	35.677	4.48	10.595	4000.0	2.542	34.913	5.60	2.193
800.0	10.824	35.769	4.39	10.722	4050.0	2.532	34.912	5.60	2.177
850.0	10.647	35.778	4.34	10.540	4100.0	2.525	34.910	5.62	2.164
900.0	10.489	35.807	4.32	10.377	4150.0	2.519	34.909	5.60	2.153
950.0	10.235	35.783	4.30	10.118	4200.0	2.516	34.909	5.62	2.144
1000.0	10.223	35.823	4.24	10.099	4250.0	2.511	34.908	5.60	2.133
1050.0	9.919	35.782	4.28	9.791	4300.0	2.506	34.907	5.61	2.123
1100.0	10.110	35.873	4.25	9.975	4350.0	2.507	34.906	5.61	2.118
1150.0	9.684	35.819	4.32	9.546	4400.0	2.508	34.905	5.60	2.112
1200.0	9.076	35.722	4.44	8.936	4450.0	2.508	34.905	5.57	2.106
1250.0	8.299	35.586	4.62	8.160	4500.0	2.509	34.904	5.59	2.101
1300.0	7.784	35.520	4.77	7.644	4550.0	2.510	34.904	5.57	2.096
1350.0	7.250	35.437	4.95	7.110	4600.0	2.512	34.903	5.57	2.092
1400.0	6.700	35.350	5.09	6.560	4650.0	2.515	34.904	5.57	2.089
1450.0	6.225	35.277	5.24	6.084	4700.0	2.518	34.903	5.59	2.086
1500.0	5.820	35.217	5.39	5.679	4750.0	2.523	34.902	5.59	2.084
1550.0	5.439	35.163	5.55	5.297	4800.0	2.526	34.902	5.57	2.081
1600.0	5.256	35.152	5.65	5.111	4850.0	2.526	34.901	5.58	2.075
1650.0	5.113	35.139	5.61	4.965	4893.0	2.530	34.901	5.58	2.073
1700.0	4.892	35.110	5.71	4.742					
1750.0	4.773	35.101	5.72	4.620					
1800.0	4.645	35.086	5.76	4.487					
1850.0	4.413	35.058	5.82	4.254					
1900.0	4.353	35.053	5.83	4.190					
1950.0	4.210	35.041	5.85	4.044					
2000.0	4.101	35.034	5.88	3.931					
2050.0	3.986	35.020	5.89	3.813					
2100.0	3.894	35.016	5.88	3.718					
2150.0	3.818	35.012	5.87	3.638					
2200.0	3.744	35.010	5.85	3.561					
2250.0	3.622	35.000	5.87	3.436					
2300.0	3.545	34.996	5.84	3.355					
2350.0	3.445	34.988	5.85	3.252					
2400.0	3.339	34.978	5.90	3.143					
2450.0	3.270	34.976	5.86	3.070					
2500.0	3.222	34.973	5.83	3.017					
2550.0	3.158	34.969	5.81	2.950					
2600.0	3.133	34.968	5.80	2.921					
2650.0	3.094	34.966	5.81	2.878					
2700.0	3.054	34.963	5.80	2.833					
2750.0	3.011	34.960	5.79	2.786					
2800.0	2.990	34.959	5.77	2.760					
2850.0	2.952	34.956	5.79	2.717					
2900.0	2.919	34.953	5.76	2.680					
2950.0	2.889	34.951	5.76	2.645					
3000.0	2.834	34.947	5.73	2.586					



Station 22

Station	: 23	Campagne	: ARCANE 98
Date	: 29-06-98	Navire	: LA THALASSA
Profondeur	: 4815	Organisme	: IFREMER
Position	: N 45 52.97		
	W 11 31.90		

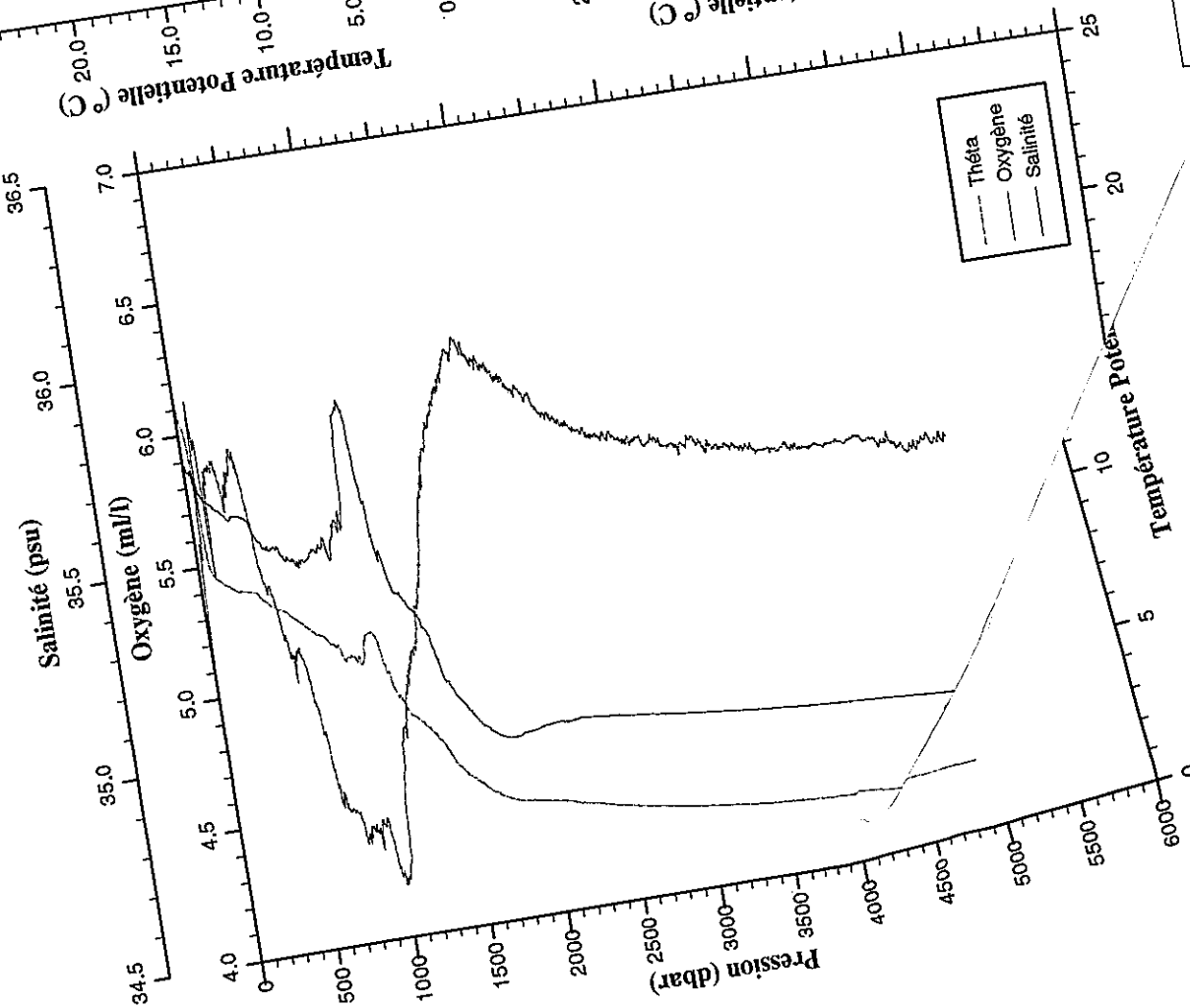
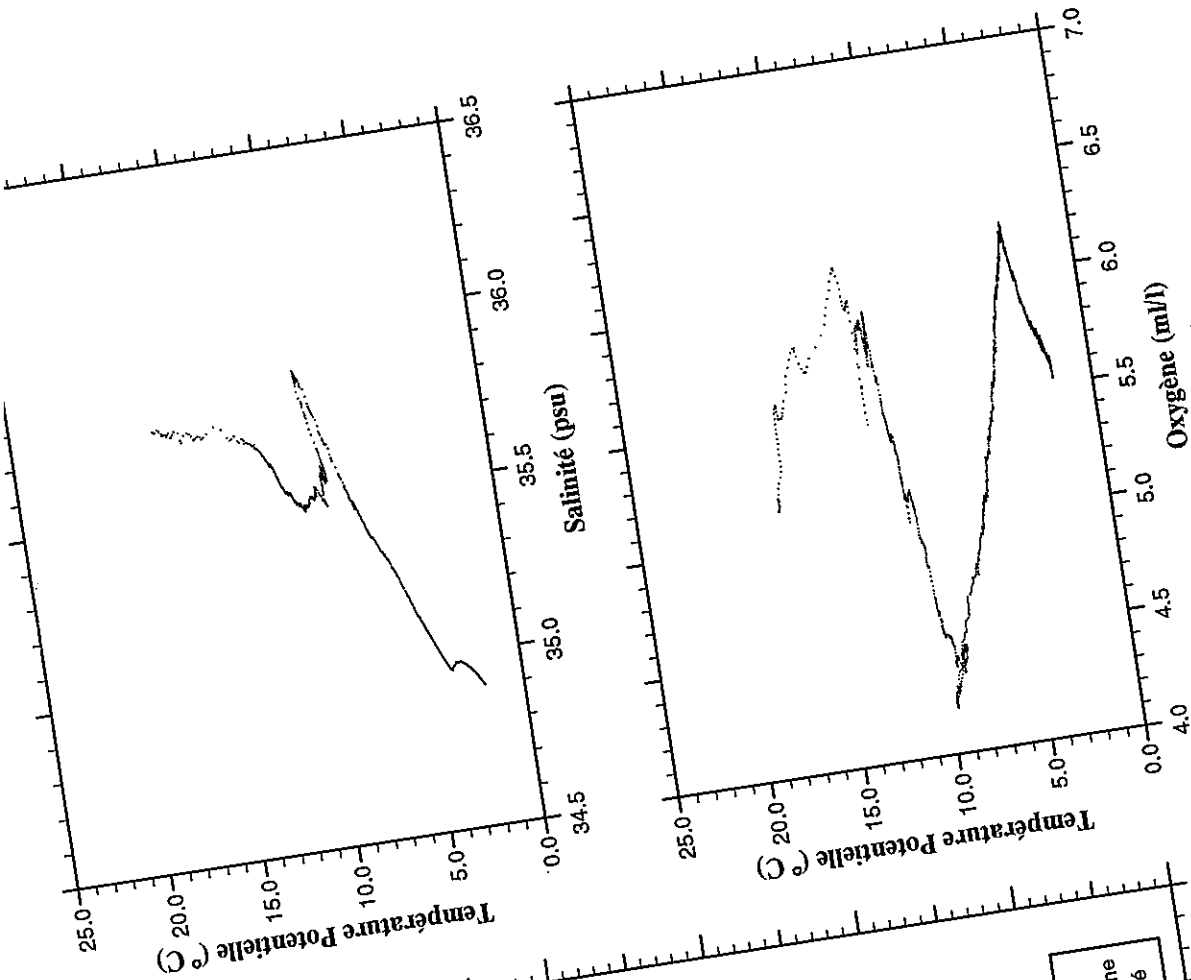
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.794	35.845	5.27	17.793	3050.0	2.828	34.945	5.76	2.576
10.0	17.816	35.845	5.21	17.814	3100.0	2.806	34.943	5.74	2.549
20.0	17.454	35.854	5.33	17.450	3150.0	2.775	34.940	5.73	2.514
30.0	17.341	35.882	5.37	17.336	3200.0	2.750	34.937	5.72	2.484
40.0	15.103	35.817	5.95	15.097	3250.0	2.735	34.936	5.70	2.464
50.0	14.184	35.831	5.96	14.177	3300.0	2.717	34.935	5.70	2.441
100.0	13.274	35.808	5.67	13.260	3350.0	2.696	34.933	5.69	2.414
150.0	12.933	35.776	5.68	12.913	3400.0	2.673	34.931	5.69	2.387
200.0	12.445	35.710	5.70	12.418	3450.0	2.650	34.929	5.68	2.359
250.0	12.081	35.665	5.46	12.048	3500.0	2.642	34.927	5.67	2.346
300.0	11.904	35.641	5.41	11.865	3550.0	2.624	34.925	5.67	2.323
350.0	11.713	35.620	5.48	11.668	3600.0	2.615	34.924	5.65	2.309
400.0	11.450	35.583	5.44	11.399	3650.0	2.598	34.922	5.65	2.286
450.0	11.311	35.572	5.22	11.254	3700.0	2.584	34.920	5.65	2.267
500.0	11.172	35.571	5.06	11.109	3750.0	2.576	34.918	5.65	2.254
550.0	11.046	35.570	4.99	10.976	3800.0	2.569	34.918	5.63	2.242
600.0	10.899	35.577	4.85	10.823	3850.0	2.556	34.917	5.63	2.224
650.0	10.663	35.567	4.84	10.582	3900.0	2.550	34.915	5.61	2.212
700.0	10.586	35.595	4.69	10.499	3950.0	2.544	34.914	5.62	2.200
750.0	10.687	35.675	4.49	10.593	4000.0	2.538	34.913	5.62	2.189
800.0	10.743	35.744	4.41	10.642	4050.0	2.534	34.912	5.62	2.179
850.0	10.737	35.795	4.40	10.629	4100.0	2.528	34.910	5.61	2.168
900.0	10.757	35.847	4.33	10.643	4150.0	2.524	34.909	5.62	2.157
950.0	10.562	35.851	4.24	10.443	4200.0	2.517	34.909	5.62	2.145
1000.0	10.248	35.816	4.26	10.124	4250.0	2.514	34.908	5.62	2.136
1050.0	10.087	35.832	4.23	9.958	4300.0	2.513	34.907	5.63	2.129
1100.0	10.016	35.868	4.28	9.881	4350.0	2.511	34.906	5.62	2.121
1150.0	9.530	35.789	4.35	9.393	4400.0	2.510	34.904	5.61	2.114
1200.0	9.107	35.724	4.45	8.967	4450.0	2.510	34.904	5.62	2.108
1250.0	9.038	35.761	4.51	8.893	4500.0	2.511	34.904	5.61	2.104
1300.0	8.136	35.589	4.75	7.993	4550.0	2.511	34.903	5.62	2.097
1350.0	7.607	35.513	4.87	7.463	4600.0	2.512	34.903	5.62	2.092
1400.0	6.824	35.381	5.11	6.683	4650.0	2.514	34.903	5.61	2.088
1450.0	5.987	35.239	5.40	5.849	4700.0	2.516	34.902	5.61	2.084
1500.0	5.630	35.184	5.50	5.491	4750.0	2.518	34.901	5.61	2.080
1550.0	5.289	35.139	5.61	5.149	4800.0	2.520	34.901	5.61	2.075
1600.0	4.867	35.077	5.80	4.727	4850.0	2.527	34.900	5.59	2.075
1650.0	4.560	35.036	5.94	4.419	4896.0	2.533	34.900	5.59	2.075
1700.0	4.403	35.016	5.99	4.259					
1750.0	4.216	34.993	6.10	4.070					
1800.0	4.003	34.967	6.16	3.854					
1850.0	3.898	34.958	6.23	3.746					
1900.0	3.802	34.951	6.26	3.647					
1950.0	3.742	34.950	6.25	3.583					
2000.0	3.659	34.945	6.22	3.496					
2050.0	3.676	34.958	6.19	3.508					
2100.0	3.590	34.951	6.22	3.419					
2150.0	3.530	34.952	6.22	3.355					
2200.0	3.520	34.961	6.17	3.340					
2250.0	3.480	34.964	6.08	3.296					
2300.0	3.449	34.968	6.01	3.261					
2350.0	3.407	34.971	6.01	3.215					
2400.0	3.369	34.972	5.99	3.172					
2450.0	3.317	34.972	5.89	3.116					
2500.0	3.264	34.971	5.88	3.060					
2550.0	3.211	34.969	5.86	3.002					
2600.0	3.166	34.966	5.83	2.953					
2650.0	3.123	34.965	5.84	2.906					
2700.0	3.075	34.963	5.85	2.853					
2750.0	3.032	34.960	5.82	2.806					
2800.0	2.985	34.957	5.79	2.755					
2850.0	2.945	34.954	5.77	2.711					
2900.0	2.913	34.952	5.79	2.675					
2950.0	2.879	34.949	5.77	2.636					
3000.0	2.853	34.948	5.75	2.606					



Station 23

Station : 24 Campagne : ARCANE 98
Date : 29-06-98 Navire : LA THALASSA
Profondeur : 4808 Organisme : IFREMER
Position : N 46 7.54
 W 11 59.53

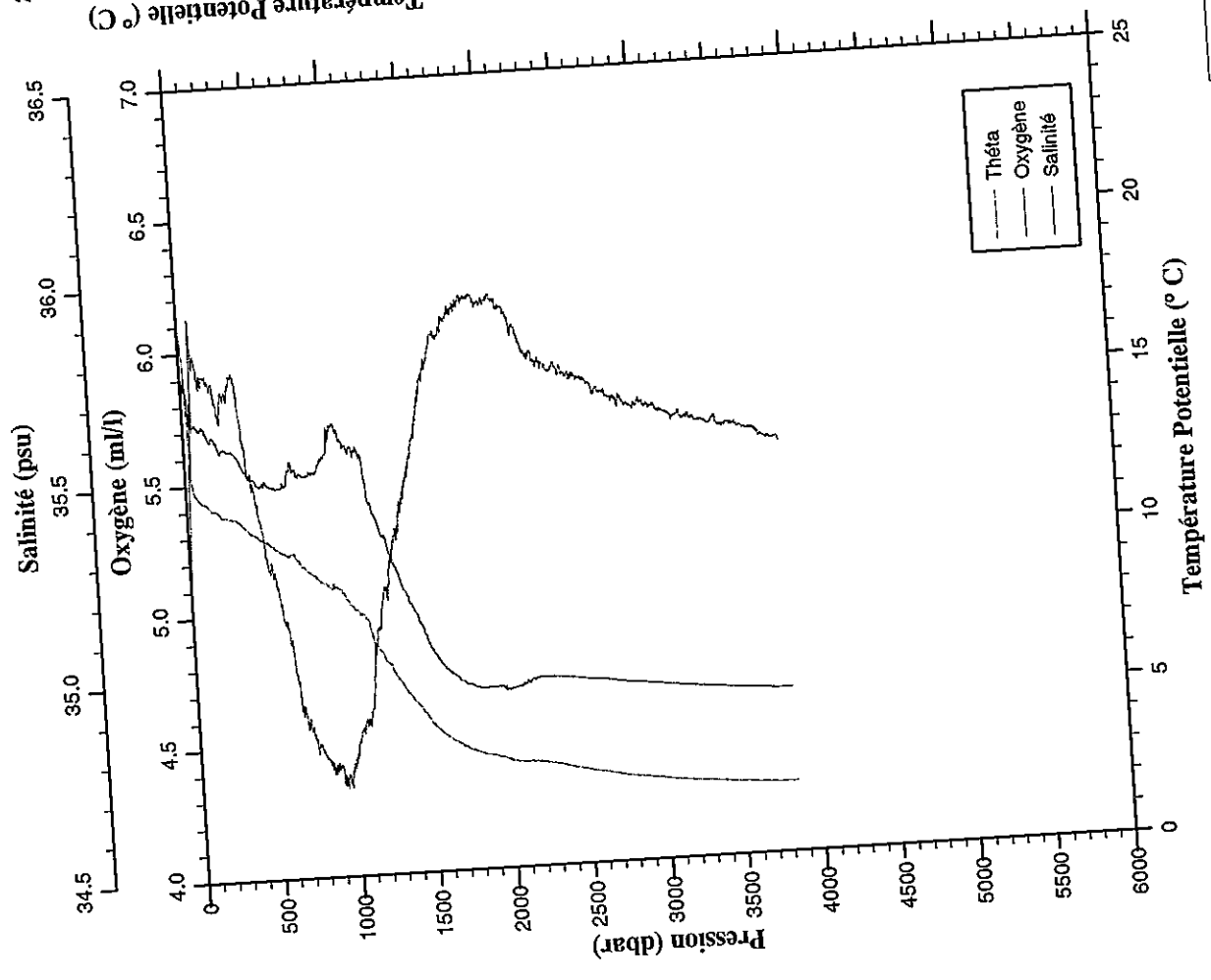
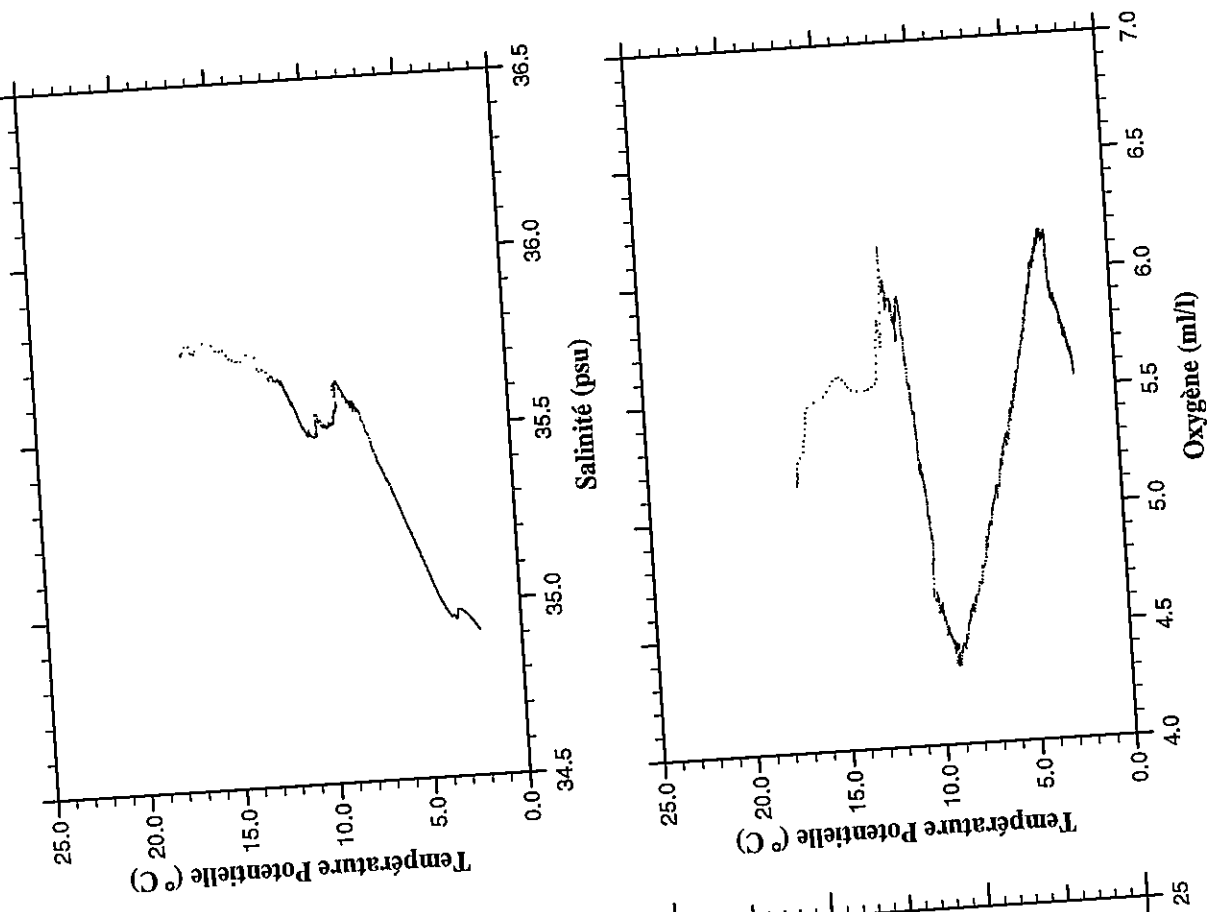
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.393	35.749	5.19	17.393	3050.0	2.798	34.943	5.71	2.547
10.0	17.342	35.750	5.18	17.341	3100.0	2.773	34.941	5.69	2.517
20.0	16.978	35.741	5.42	16.975	3150.0	2.746	34.939	5.68	2.485
30.0	16.784	35.735	5.58	16.780	3200.0	2.726	34.937	5.68	2.460
40.0	16.427	35.737	5.57	16.420	3250.0	2.701	34.935	5.70	2.431
50.0	15.364	35.712	5.80	15.357	3300.0	2.681	34.932	5.68	2.405
100.0	12.147	35.660	5.53	12.134	3350.0	2.662	34.930	5.64	2.381
150.0	11.896	35.641	5.86	11.877	3400.0	2.647	34.929	5.65	2.362
200.0	11.738	35.621	5.83	11.712	3450.0	2.628	34.927	5.65	2.338
250.0	11.619	35.612	5.77	11.587	3500.0	2.617	34.926	5.65	2.321
300.0	11.576	35.611	5.92	11.537	3550.0	2.604	34.924	5.64	2.304
350.0	11.490	35.598	5.72	11.445	3600.0	2.593	34.923	5.64	2.288
400.0	11.169	35.543	5.41	11.119	3650.0	2.581	34.920	5.62	2.270
450.0	10.963	35.524	5.34	10.907	3700.0	2.570	34.919	5.62	2.254
500.0	10.832	35.522	5.11	10.769	3750.0	2.560	34.918	5.62	2.238
550.0	10.592	35.494	5.13	10.524	3800.0	2.551	34.916	5.60	2.224
600.0	10.395	35.489	4.99	10.321	3850.0	2.543	34.915	5.62	2.211
650.0	10.139	35.482	4.79	10.061	3900.0	2.537	34.914	5.62	2.199
700.0	9.923	35.481	4.58	9.839	3950.0	2.530	34.912	5.60	2.186
750.0	9.699	35.503	4.51	9.610	4000.0	2.526	34.911	5.60	2.177
800.0	9.460	35.503	4.41	9.366	4050.0	2.520	34.911	5.61	2.165
850.0	8.980	35.470	4.43	8.884	4100.0	2.516	34.909	5.59	2.155
900.0	9.093	35.567	4.34	8.990	4150.0	2.515	34.909	5.60	2.148
950.0	8.845	35.553	4.45	8.737	4200.0	2.511	34.907	5.60	2.139
1000.0	9.744	35.832	4.24	9.624	4250.0	2.508	34.907	5.60	2.131
1050.0	9.654	35.836	4.26	9.528	4300.0	2.508	34.906	5.61	2.124
1100.0	8.442	35.597	4.60	8.319	4350.0	2.507	34.906	5.60	2.117
1150.0	7.625	35.453	4.78	7.503	4400.0	2.508	34.905	5.60	2.112
1200.0	7.153	35.388	4.92	7.030	4450.0	2.506	34.905	5.56	2.105
1250.0	6.887	35.361	5.01	6.762	4500.0	2.508	34.904	5.57	2.101
1300.0	6.570	35.319	5.06	6.442	4550.0	2.509	34.903	5.57	2.095
1350.0	6.294	35.293	5.22	6.163	4600.0	2.512	34.903	5.56	2.092
1400.0	5.844	35.233	5.37	5.713	4650.0	2.517	34.903	5.55	2.090
1450.0	5.263	35.135	5.57	5.134	4700.0	2.521	34.902	5.55	2.088
1500.0	4.964	35.097	5.69	4.833	4750.0	2.519	34.901	5.56	2.080
1550.0	4.734	35.065	5.81	4.600	4800.0	2.524	34.901	5.55	2.079
1600.0	4.497	35.036	5.90	4.362	4850.0	2.530	34.901	5.56	2.079
1650.0	4.266	35.004	5.99	4.129	4885.0	2.535	34.901	5.56	2.079
1700.0	4.112	34.986	6.07	3.972					
1750.0	3.971	34.967	6.14	3.828					
1800.0	3.871	34.958	6.13	3.725					
1850.0	3.803	34.954	6.20	3.653					
1900.0	3.775	34.958	6.14	3.620					
1950.0	3.742	34.963	6.09	3.583					
2000.0	3.698	34.965	6.09	3.535					
2050.0	3.664	34.971	6.06	3.497					
2100.0	3.622	34.974	6.03	3.450					
2150.0	3.583	34.976	5.98	3.407					
2200.0	3.491	34.972	5.99	3.312					
2250.0	3.455	34.974	5.96	3.272					
2300.0	3.414	34.977	5.90	3.226					
2350.0	3.356	34.976	5.87	3.164					
2400.0	3.297	34.973	5.86	3.101					
2450.0	3.241	34.971	5.82	3.041					
2500.0	3.191	34.969	5.81	2.987					
2550.0	3.146	34.967	5.80	2.938					
2600.0	3.102	34.965	5.78	2.890					
2650.0	3.064	34.963	5.77	2.848					
2700.0	3.031	34.960	5.77	2.810					
2750.0	2.999	34.958	5.77	2.774					
2800.0	2.950	34.955	5.74	2.721					
2850.0	2.924	34.953	5.73	2.690					
2900.0	2.884	34.950	5.73	2.646					
2950.0	2.850	34.948	5.70	2.607					
3000.0	2.823	34.945	5.73	2.576					



Station 24

Station : 25 Campagne : ARCANE 98
 Date : 29-06-98 Navire : LA THALASSA
 Profondeur : 3790 Organisme : IFREMER
 Position : N 46 21.99
 W 12 26.92

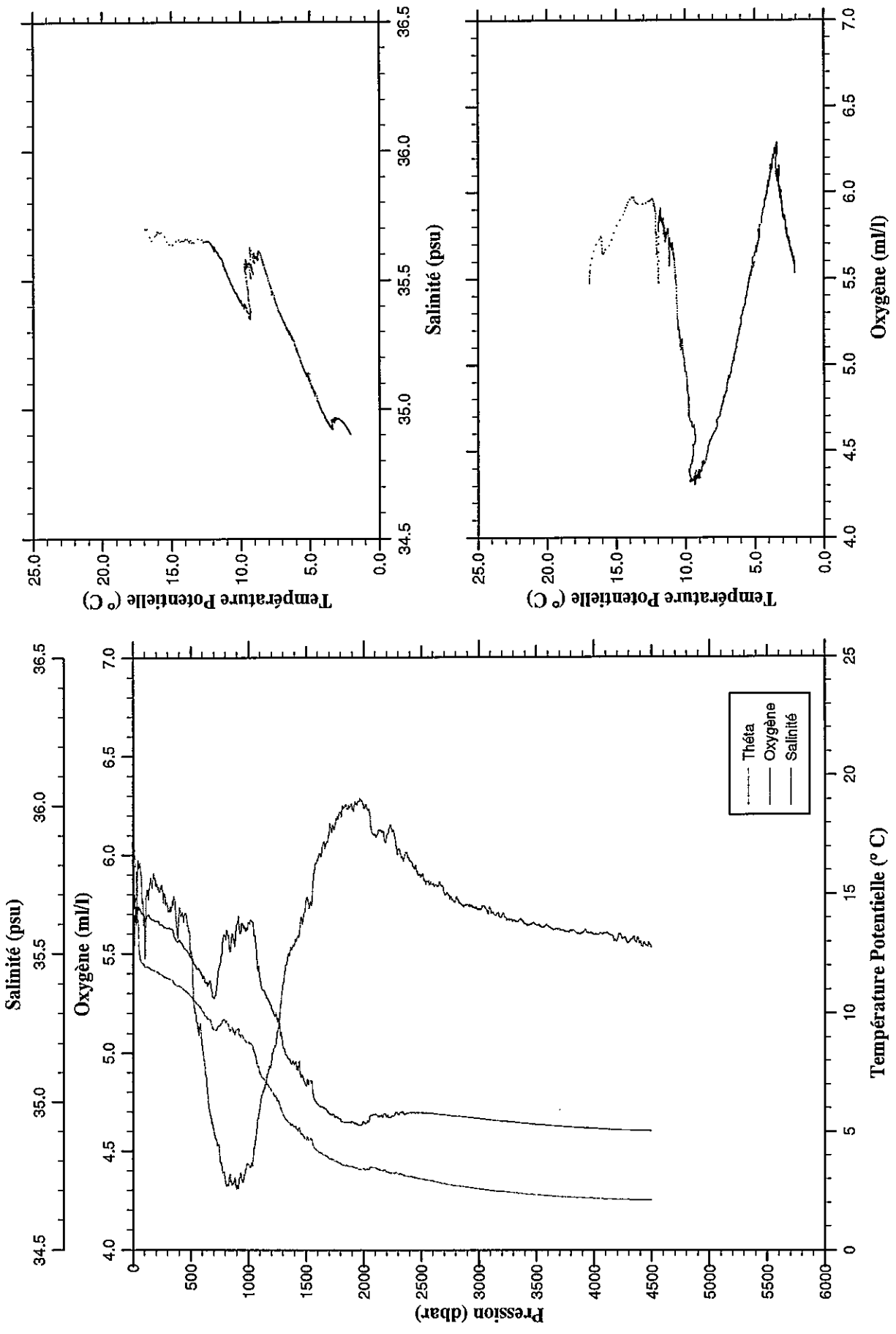
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.065	35.738	5.19	17.064	3050.0	2.742	34.939	5.71	2.468
10.0	17.104	35.743	5.18	17.102	3100.0	2.724	34.937	5.69	2.491
20.0	16.474	35.739	5.42	16.471	3150.0	2.700	34.935	5.67	2.440
30.0	14.418	35.715	5.58	14.413	3200.0	2.679	34.933	5.68	2.414
40.0	12.612	35.657	5.57	12.606	3250.0	2.661	34.931	5.65	2.392
50.0	12.411	35.640	5.80	12.404	3300.0	2.649	34.930	5.65	2.374
100.0	11.953	35.622	5.95	11.940	3350.0	2.629	34.928	5.64	2.349
150.0	11.786	35.605	5.90	11.767	3400.0	2.611	34.926	5.64	2.326
200.0	11.636	35.622	5.87	11.610	3450.0	2.611	34.926	5.63	2.299
250.0	11.502	35.589	5.83	11.470	3500.0	2.588	34.923	5.62	2.288
300.0	11.434	35.583	5.87	11.396	3550.0	2.582	34.922	5.63	2.272
350.0	11.262	35.556	5.85	11.218	3600.0	2.571	34.921	5.62	2.253
400.0	10.986	35.515	5.53	10.936	3650.0	2.558	34.919	5.61	2.239
450.0	10.803	35.498	5.42	10.747	3700.0	2.549	34.918	5.60	2.223
500.0	10.672	35.490	5.20	10.610	3750.0	2.549	34.918	5.59	2.223
550.0	10.507	35.487	5.13	10.439	3800.0	2.538	34.916	5.57	2.206
600.0	10.337	35.485	4.96	10.264	3840.0	2.526	34.914	5.56	2.204
650.0	10.285	35.514	4.77	10.206		2.530	34.914	5.54	
700.0	10.098	35.530	4.60	10.014		2.535			
750.0	9.786	35.509	4.52	9.697					
800.0	9.600	35.519	4.48	9.506					
850.0	9.384	35.532	4.42	9.286					
900.0	9.205	35.562	4.41	9.101					
950.0	9.175	35.562	4.41	9.065					
1000.0	8.811	35.631	4.38	8.697					
1050.0	8.484	35.594	4.45	8.368					
1100.0	8.349	35.566	4.55	8.368					
1150.0	7.733	35.566	4.57	8.227					
1200.0	7.167	35.569	4.57	7.611					
1250.0	6.766	35.492	4.75	7.044					
1300.0	6.327	35.402	4.93	6.642					
1350.0	5.924	35.350	5.07	6.201					
1400.0	5.559	35.293	5.23	5.798					
1450.0	5.289	35.236	5.29	5.431					
1500.0	4.920	35.182	5.47	5.159					
1550.0	4.617	35.144	5.57	4.789					
1600.0	4.396	35.096	5.70	4.485					
1650.0	4.231	35.048	5.87	4.262					
1700.0	4.089	35.019	5.95	4.094					
1750.0	3.942	35.002	6.02	3.949					
1800.0	3.860	34.983	6.07	3.800					
1850.0	3.773	34.969	6.12	3.714					
1900.0	3.723	34.962	6.12	3.623					
1950.0	3.657	34.956	6.15	3.569					
2000.0	3.537	34.957	6.16	3.499					
2050.0	3.492	34.959	6.13	3.376					
2100.0	3.469	34.947	6.15	3.328					
2150.0	3.460	34.952	6.13	3.300					
2200.0	3.466	34.956	6.11	3.286					
2250.0	3.411	34.963	6.02	3.287					
2300.0	3.385	34.974	5.98	3.229					
2350.0	3.332	34.974	5.93	3.198					
2400.0	3.267	34.974	5.89	3.141					
2450.0	3.218	34.974	5.87	3.072					
2500.0	3.157	34.971	5.87	3.019					
2550.0	3.105	34.970	5.88	2.954					
2600.0	3.066	34.966	5.85	2.898					
2650.0	3.025	34.964	5.83	2.855					
2700.0	2.972	34.962	5.82	2.809					
2750.0	2.925	34.960	5.79	2.752					
2800.0	2.892	34.957	5.77	2.702					
2850.0	2.862	34.953	5.75	2.664					
2900.0	2.835	34.951	5.75	2.630					
2950.0	2.808	34.949	5.73	2.598					
3000.0	2.781	34.947	5.71	2.567					
		34.945	5.74	2.535					
		34.942	5.72						



Station 25

Station : 26 Campagne : ARCANE 98
Date : 29-06-98 Navire : LA THALASSA
Profondeur : 4431 Organisme : IFREMER
Position : N 46 21.63
 W 13 9.60

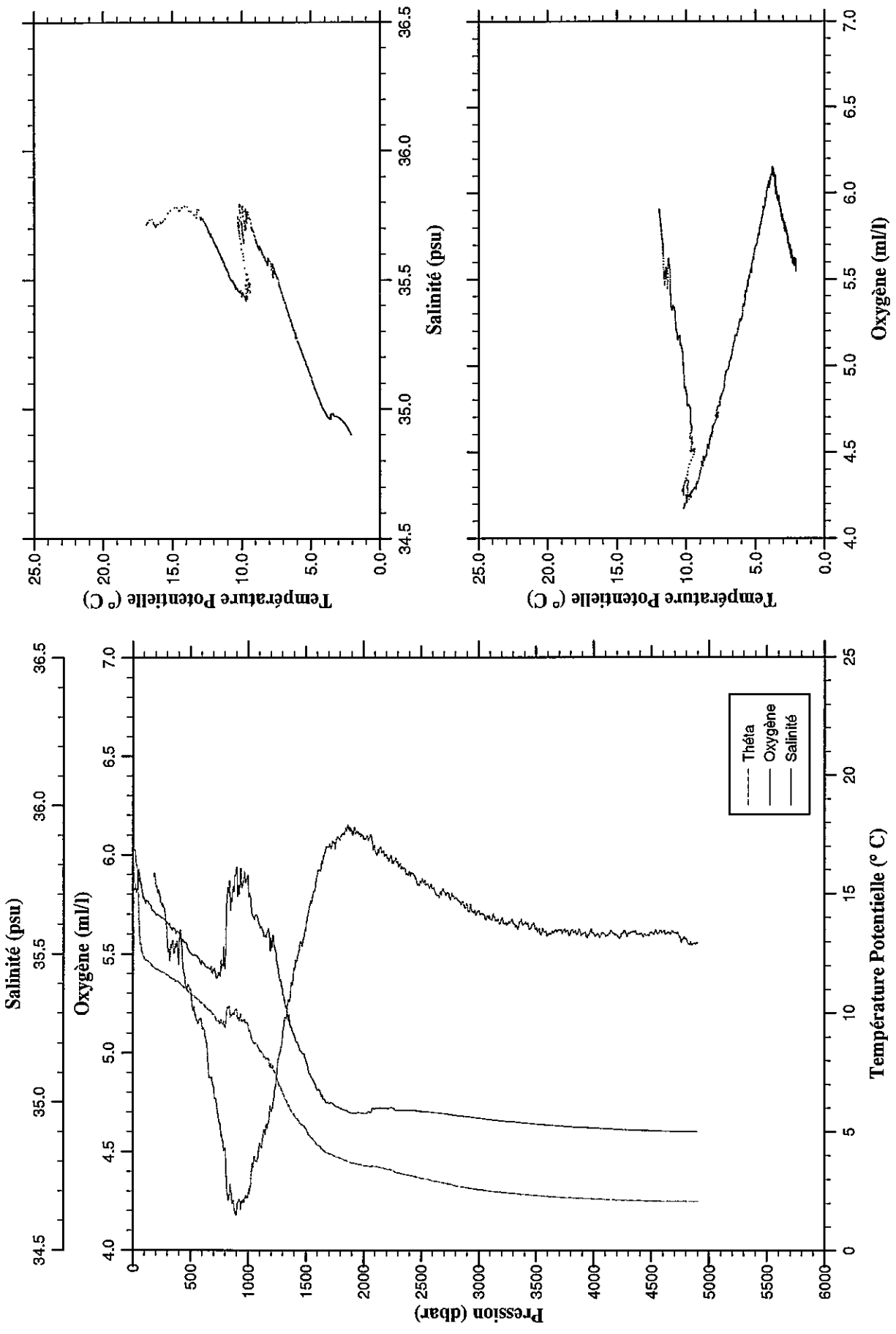
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	16.930	35.700	5.54	16.930	3050.0	2.795	34.942	5.74	2.543
10.0	16.915	35.699	5.52	16.913	3100.0	2.768	34.941	5.72	2.511
20.0	16.073	35.688	5.74	16.069	3150.0	2.749	34.939	5.69	2.488
30.0	15.517	35.670	5.69	15.512	3200.0	2.727	34.936	5.69	2.462
40.0	14.012	35.659	5.96	14.006	3250.0	2.710	34.935	5.67	2.439
50.0	12.857	35.657	5.94	12.850	3300.0	2.689	34.934	5.67	2.413
100.0	12.020	35.623	5.58	12.007	3350.0	2.668	34.931	5.67	2.388
150.0	11.902	35.622	5.88	11.882	3400.0	2.648	34.928	5.65	2.362
200.0	11.785	35.610	5.84	11.759	3450.0	2.633	34.927	5.65	2.343
250.0	11.650	35.598	5.84	11.618	3500.0	2.620	34.925	5.64	2.324
300.0	11.512	35.586	5.74	11.474	3550.0	2.608	34.924	5.63	2.308
350.0	11.371	35.570	5.78	11.326	3600.0	2.590	34.922	5.64	2.284
400.0	11.218	35.547	5.72	11.168	3650.0	2.581	34.921	5.62	2.270
450.0	11.013	35.517	5.71	10.957	3700.0	2.568	34.919	5.63	2.252
500.0	10.782	35.488	5.51	10.720	3750.0	2.558	34.917	5.61	2.237
550.0	10.486	35.451	5.16	10.419	3800.0	2.552	34.916	5.62	2.225
600.0	10.172	35.422	5.04	10.100	3850.0	2.547	34.915	5.61	2.214
650.0	9.877	35.403	4.77	9.800	3900.0	2.539	34.913	5.61	2.201
700.0	9.405	35.352	4.61	9.325	3950.0	2.534	34.913	5.60	2.191
750.0	9.573	35.460	4.48	9.485	4000.0	2.527	34.912	5.60	2.178
800.0	9.746	35.559	4.35	9.651	4050.0	2.520	34.911	5.60	2.165
850.0	9.483	35.541	4.35	9.384	4100.0	2.517	34.909	5.60	2.157
900.0	9.419	35.600	4.32	9.314	4150.0	2.511	34.908	5.59	2.145
950.0	9.151	35.595	4.36	9.042	4200.0	2.507	34.908	5.57	2.135
1000.0	8.925	35.606	4.43	8.811	4250.0	2.507	34.907	5.58	2.126
1050.0	8.515	35.561	4.52	8.398	4300.0	2.504	34.906	5.56	2.121
1100.0	7.611	35.414	4.73	7.496	4350.0	2.504	34.905	5.57	2.115
1150.0	7.227	35.362	4.84	7.109	4400.0	2.504	34.904	5.56	2.109
1200.0	6.852	35.317	4.96	6.732	4450.0	2.507	34.904	5.55	2.105
1250.0	6.444	35.272	5.11	6.323	4493.0	2.511	34.904	5.55	2.104
1300.0	5.832	35.188	5.35	5.711					
1350.0	5.531	35.148	5.51	5.409					
1400.0	5.340	35.129	5.55	5.214					
1450.0	5.091	35.100	5.66	4.963					
1500.0	4.803	35.057	5.77	4.673					
1550.0	4.837	35.070	5.77	4.702					
1600.0	4.321	34.994	5.97	4.188					
1650.0	4.170	34.980	6.06	4.034					
1700.0	4.017	34.960	6.12	3.878					
1750.0	3.893	34.948	6.15	3.751					
1800.0	3.790	34.940	6.21	3.645					
1850.0	3.714	34.934	6.25	3.565					
1900.0	3.674	34.934	6.24	3.521					
1950.0	3.581	34.924	6.27	3.425					
2000.0	3.598	34.934	6.24	3.436					
2050.0	3.586	34.940	6.21	3.420					
2100.0	3.641	34.959	6.10	3.469					
2150.0	3.557	34.955	6.12	3.381					
2200.0	3.476	34.950	6.10	3.297					
2250.0	3.436	34.953	6.12	3.253					
2300.0	3.397	34.958	6.03	3.210					
2350.0	3.346	34.963	5.99	3.155					
2400.0	3.300	34.964	5.97	3.104					
2450.0	3.243	34.964	5.95	3.044					
2500.0	3.205	34.964	5.90	3.001					
2550.0	3.158	34.963	5.87	2.950					
2600.0	3.126	34.961	5.85	2.913					
2650.0	3.068	34.959	5.84	2.852					
2700.0	3.014	34.957	5.81	2.794					
2750.0	2.971	34.955	5.78	2.747					
2800.0	2.940	34.953	5.78	2.711					
2850.0	2.920	34.952	5.74	2.687					
2900.0	2.890	34.949	5.75	2.652					
2950.0	2.856	34.947	5.73	2.614					
3000.0	2.828	34.945	5.72	2.581					



Station 26

Station	: 27	Campagne	: ARCANE 98
Date	: 30-06-98	Navire	: LA THALASSA
Profondeur	: 4823	Organisme	: IFREMER
Position	: N 46 20.25		
	W 13 52.59		

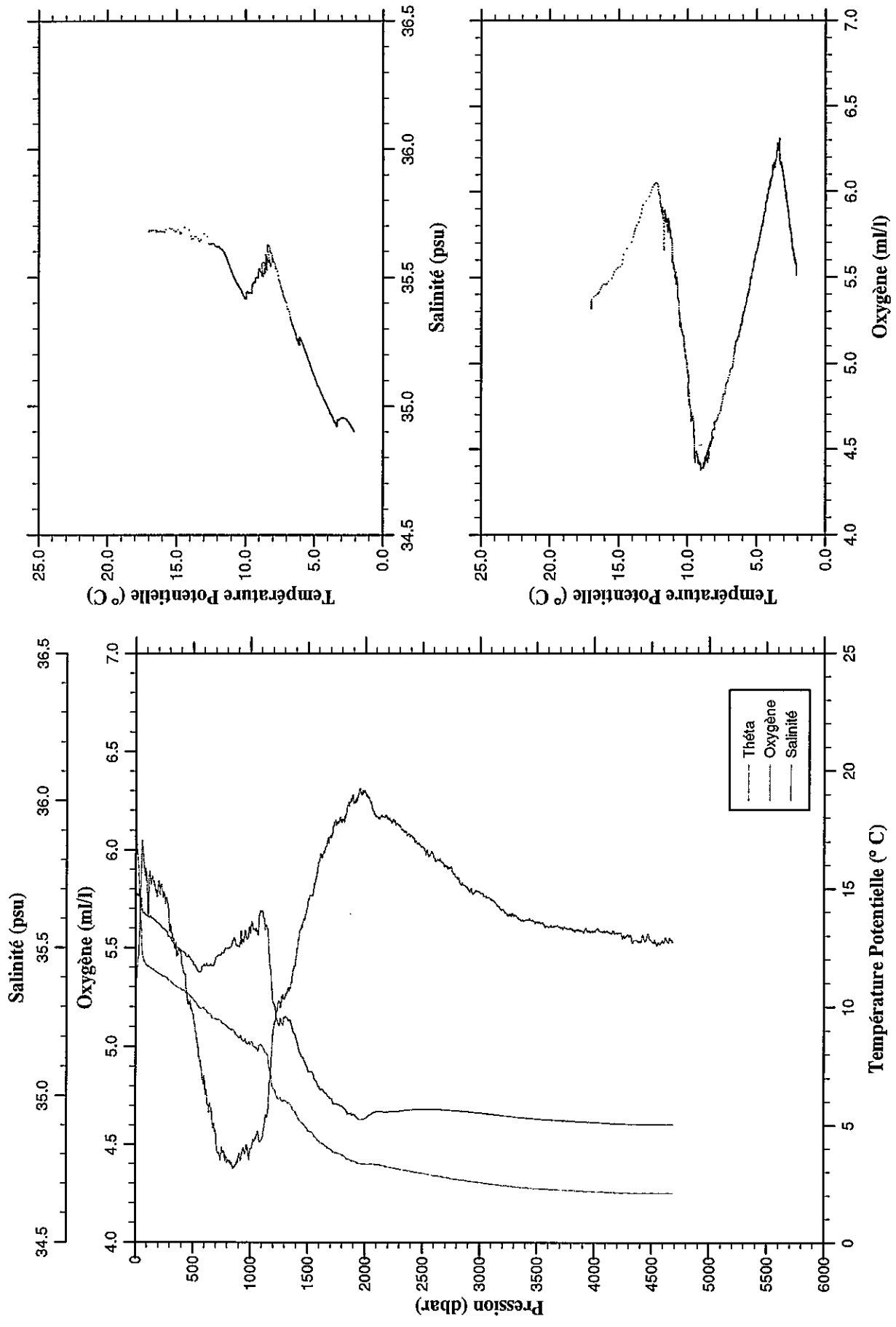
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	16.907	35.716	****	16.907	3050.0	2.806	34.944	5.69	2.554
10.0	16.900	35.717	****	16.898	3100.0	2.778	34.942	5.67	2.521
20.0	16.773	35.725	****	16.769	3150.0	2.754	34.939	5.67	2.493
30.0	16.237	35.709	****	16.232	3200.0	2.739	34.938	5.68	2.473
40.0	15.861	35.722	****	15.855	3250.0	2.719	34.936	5.66	2.448
50.0	14.326	35.781	****	14.318	3300.0	2.698	34.934	5.65	2.423
100.0	12.326	35.680	****	12.313	3350.0	2.683	34.933	5.65	2.402
150.0	12.145	35.665	****	12.126	3400.0	2.666	34.930	5.65	2.380
200.0	11.884	35.629	5.84	11.858	3450.0	2.647	34.929	5.63	2.356
250.0	11.790	35.622	5.75	11.757	3500.0	2.634	34.927	5.63	2.338
300.0	11.653	35.603	5.54	11.614	3550.0	2.626	34.926	5.62	2.325
350.0	11.487	35.584	5.55	11.442	3600.0	2.604	34.924	5.60	2.298
400.0	11.363	35.569	5.53	11.312	3650.0	2.595	34.922	5.61	2.284
450.0	11.144	35.541	5.37	11.087	3700.0	2.588	34.921	5.62	2.271
500.0	10.875	35.504	5.32	10.812	3750.0	2.578	34.919	5.61	2.256
550.0	10.720	35.495	5.16	10.652	3800.0	2.570	34.918	5.62	2.243
600.0	10.508	35.477	5.12	10.434	3850.0	2.559	34.916	5.60	2.226
650.0	10.253	35.455	4.96	10.174	3900.0	2.556	34.916	5.60	2.217
700.0	10.038	35.444	4.82	9.954	3950.0	2.550	34.915	5.59	2.206
750.0	9.700	35.434	4.64	9.612	4000.0	2.545	34.914	5.60	2.196
800.0	9.562	35.481	4.51	9.468	4050.0	2.543	34.913	5.58	2.188
850.0	10.056	35.675	4.30	9.953	4100.0	2.537	34.911	5.59	2.176
900.0	10.261	35.787	4.19	10.150	4150.0	2.533	34.911	5.62	2.166
950.0	9.781	35.728	4.25	9.667	4200.0	2.527	34.909	5.59	2.155
1000.0	9.515	35.735	4.30	9.397	4250.0	2.525	34.908	5.60	2.147
1050.0	8.867	35.619	4.47	8.747	4300.0	2.520	34.908	5.60	2.137
1100.0	8.550	35.592	4.54	8.427	4350.0	2.522	34.907	5.61	2.132
1150.0	8.271	35.564	4.60	8.145	4400.0	2.520	34.907	5.60	2.124
1200.0	7.830	35.525	4.70	7.702	4450.0	2.519	34.906	5.59	2.117
1250.0	7.350	35.466	4.91	7.220	4500.0	2.520	34.905	5.61	2.112
1300.0	6.746	35.367	5.11	6.616	4550.0	2.518	34.904	5.60	2.104
1350.0	6.222	35.273	5.27	6.093	4600.0	2.518	34.903	5.61	2.097
1400.0	5.833	35.225	5.43	5.702	4650.0	2.519	34.903	5.61	2.093
1450.0	5.476	35.173	5.56	5.344	4700.0	2.523	34.903	5.61	2.090
1500.0	5.256	35.141	5.63	5.121	4750.0	2.528	34.903	5.57	2.089
1550.0	4.877	35.081	5.76	4.742	4800.0	2.531	34.902	5.58	2.086
1600.0	4.576	35.040	5.91	4.440	4850.0	2.536	34.902	5.55	2.085
1650.0	4.363	35.011	5.98	4.225	4898.0	2.542	34.902	5.56	2.084
1700.0	4.229	34.996	6.04	4.087					
1750.0	4.135	34.989	6.05	3.990					
1800.0	4.038	34.979	6.09	3.889					
1850.0	3.955	34.972	6.13	3.803					
1900.0	3.856	34.963	6.12	3.700					
1950.0	3.817	34.964	6.11	3.657					
2000.0	3.759	34.963	6.08	3.595					
2050.0	3.728	34.968	6.08	3.559					
2100.0	3.729	34.979	6.03	3.556					
2150.0	3.684	34.981	6.04	3.507					
2200.0	3.623	34.980	6.00	3.441					
2250.0	3.586	34.982	5.96	3.400					
2300.0	3.481	34.974	5.95	3.292					
2350.0	3.426	34.973	5.93	3.233					
2400.0	3.385	34.973	5.91	3.188					
2450.0	3.332	34.972	5.88	3.131					
2500.0	3.258	34.969	5.86	3.053					
2550.0	3.234	34.968	5.85	3.025					
2600.0	3.172	34.966	5.83	2.959					
2650.0	3.131	34.964	5.79	2.914					
2700.0	3.087	34.962	5.81	2.866					
2750.0	3.040	34.959	5.77	2.814					
2800.0	2.981	34.956	5.78	2.751					
2850.0	2.943	34.953	5.75	2.709					
2900.0	2.904	34.952	5.74	2.666					
2950.0	2.866	34.949	5.72	2.623					
3000.0	2.834	34.947	5.72	2.587					



Station 27

Station	: 28	Campagne	: ARCANE 98
Date	: 30-06-98	Navire	: LA THALASSA
Profondeur	: 4616	Organisme	: IFREMER
Position	: N 46 20.88		
	W 14 34.87		

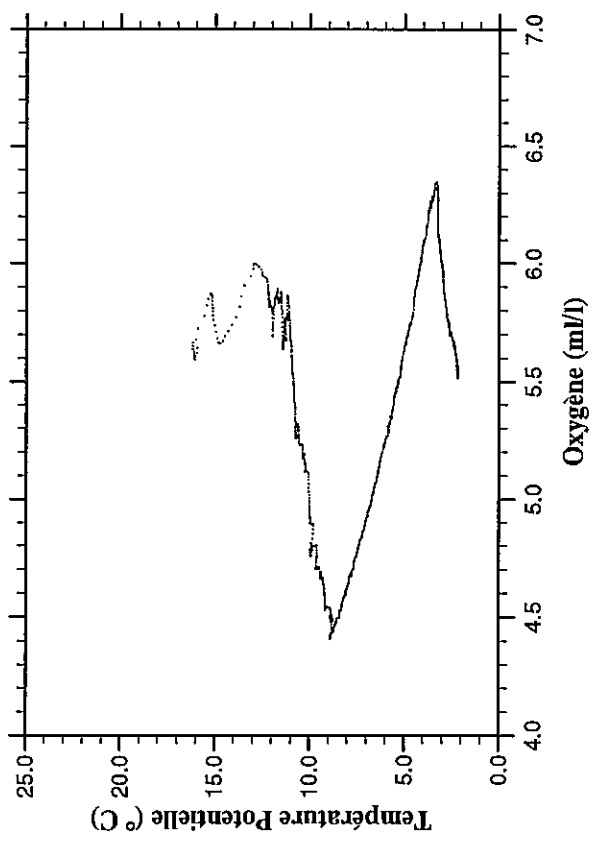
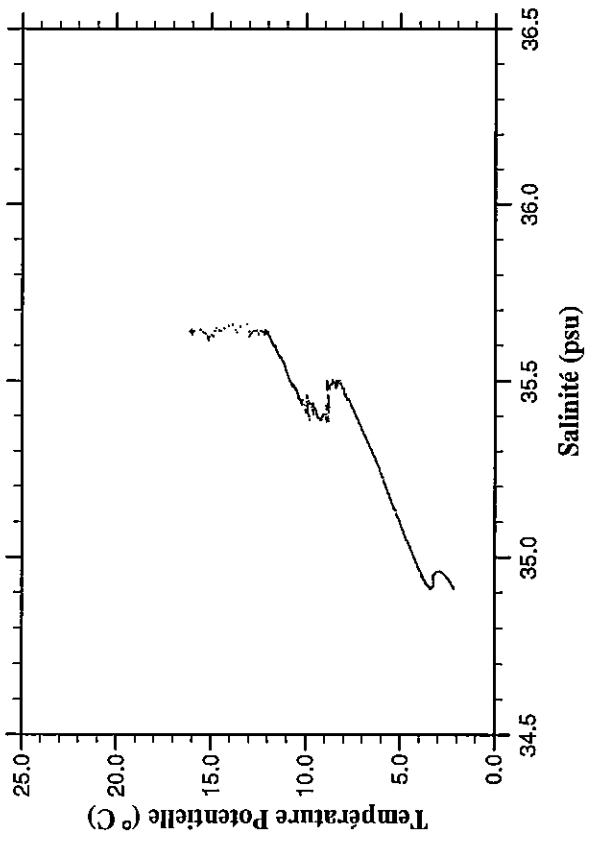
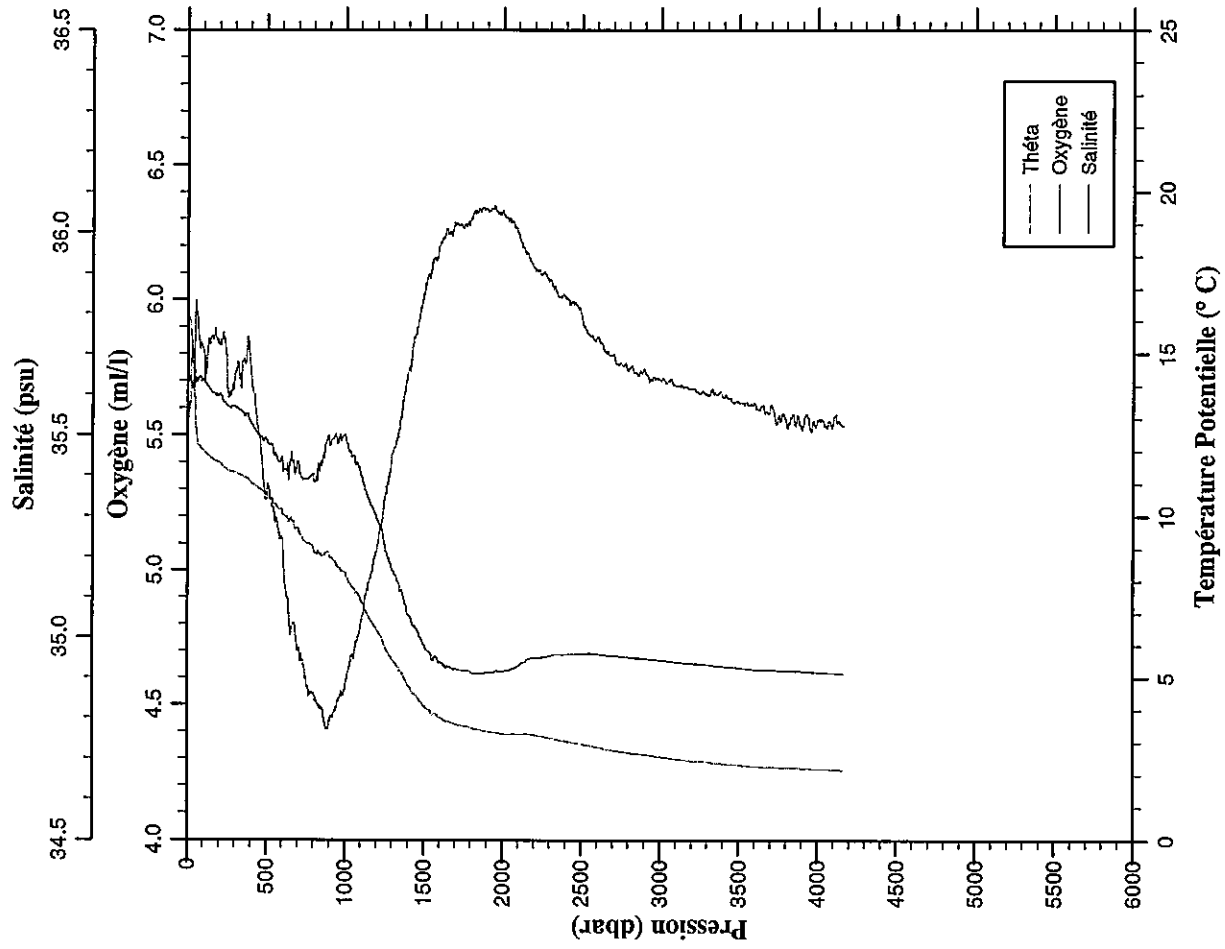
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.006	35.680	5.32	17.006	3050.0	2.782	34.941	5.76	2.530
10.0	16.993	35.679	5.36	16.991	3100.0	2.758	34.939	5.74	2.502
20.0	16.205	35.680	5.45	16.202	3150.0	2.729	34.937	5.72	2.469
30.0	15.204	35.684	5.54	15.199	3200.0	2.696	34.934	5.70	2.431
40.0	13.916	35.651	5.75	13.910	3250.0	2.683	34.932	5.67	2.413
50.0	13.027	35.669	5.94	13.020	3300.0	2.660	34.930	5.67	2.385
100.0	11.760	35.609	5.81	11.747	3350.0	2.639	34.928	5.65	2.359
150.0	11.611	35.599	5.84	11.592	3400.0	2.626	34.926	5.64	2.341
200.0	11.449	35.583	5.84	11.423	3450.0	2.615	34.925	5.64	2.325
250.0	11.319	35.565	5.77	11.287	3500.0	2.603	34.923	5.63	2.308
300.0	11.147	35.537	5.61	11.110	3550.0	2.586	34.921	5.62	2.286
350.0	10.919	35.507	5.53	10.876	3600.0	2.579	34.921	5.61	2.274
400.0	10.781	35.489	5.44	10.731	3650.0	2.576	34.919	5.61	2.266
450.0	10.629	35.470	5.24	10.574	3700.0	2.565	34.917	5.60	2.249
500.0	10.387	35.453	5.16	10.326	3750.0	2.559	34.917	5.60	2.237
550.0	10.071	35.420	4.95	10.005	3800.0	2.551	34.915	5.59	2.224
600.0	9.968	35.440	4.83	9.897	3850.0	2.548	34.914	5.59	2.215
650.0	9.787	35.441	4.70	9.710	3900.0	2.539	34.913	5.58	2.201
700.0	9.579	35.469	4.54	9.498	3950.0	2.535	34.912	5.59	2.191
750.0	9.442	35.486	4.49	9.355	4000.0	2.524	34.910	5.59	2.175
800.0	9.246	35.498	4.41	9.154	4050.0	2.521	34.910	5.58	2.166
850.0	9.147	35.526	4.38	9.050	4100.0	2.517	34.908	5.58	2.157
900.0	8.810	35.504	4.45	8.709	4150.0	2.510	34.906	5.57	2.144
950.0	8.755	35.546	4.46	8.648	4200.0	2.504	34.906	5.57	2.132
1000.0	8.545	35.554	4.48	8.434	4250.0	2.501	34.905	5.56	2.123
1050.0	8.389	35.564	4.54	8.273	4300.0	2.503	34.904	5.55	2.119
1100.0	8.497	35.626	4.53	8.374	4350.0	2.503	34.904	5.54	2.114
1150.0	8.119	35.565	4.66	7.994	4400.0	2.506	34.904	5.53	2.111
1200.0	6.688	35.313	5.10	6.570	4450.0	2.511	34.903	5.54	2.109
1250.0	6.229	35.238	5.23	6.109	4500.0	2.516	34.904	5.53	2.108
1300.0	6.177	35.263	5.25	6.053	4550.0	2.520	34.904	5.52	2.106
1350.0	6.021	35.249	5.30	5.893	4600.0	2.527	34.903	5.53	2.106
1400.0	5.601	35.191	5.46	5.473	4650.0	2.532	34.903	5.55	2.106
1450.0	5.235	35.133	5.61	5.106	4686.0	2.536	34.904	5.53	2.105
1500.0	4.923	35.089	5.73	4.792					
1550.0	4.747	35.072	5.80	4.613					
1600.0	4.434	35.028	5.94	4.300					
1650.0	4.285	35.013	6.00	4.148					
1700.0	4.123	34.993	6.06	3.982					
1750.0	3.973	34.975	6.13	3.830					
1800.0	3.886	34.966	6.15	3.740					
1850.0	3.693	34.943	6.23	3.545					
1900.0	3.633	34.937	6.24	3.480					
1950.0	3.514	34.921	6.31	3.359					
2000.0	3.491	34.924	6.29	3.331					
2050.0	3.497	34.938	6.24	3.333					
2100.0	3.491	34.948	6.17	3.322					
2150.0	3.447	34.948	6.17	3.273					
2200.0	3.394	34.946	6.16	3.216					
2250.0	3.354	34.948	6.14	3.172					
2300.0	3.313	34.950	6.12	3.127					
2350.0	3.270	34.952	6.09	3.080					
2400.0	3.236	34.954	6.07	3.041					
2450.0	3.192	34.955	6.03	2.994					
2500.0	3.155	34.956	6.02	2.952					
2550.0	3.119	34.955	5.97	2.912					
2600.0	3.070	34.955	5.96	2.859					
2650.0	3.038	34.955	5.96	2.822					
2700.0	3.007	34.954	5.92	2.787					
2750.0	2.955	34.953	5.91	2.731					
2800.0	2.922	34.951	5.86	2.694					
2850.0	2.896	34.950	5.82	2.663					
2900.0	2.865	34.947	5.80	2.628					
2950.0	2.835	34.945	5.78	2.593					
3000.0	2.814	34.943	5.78	2.567					



Station 28

Station	: 29	Campagne	: ARCANE 98
Date	: 30-06-98	Navire	: LA THALASSA
Profondeur	: 4113	Organisme	: IFREMER
Position	: N 46 20.10		
	W 15 17.38		

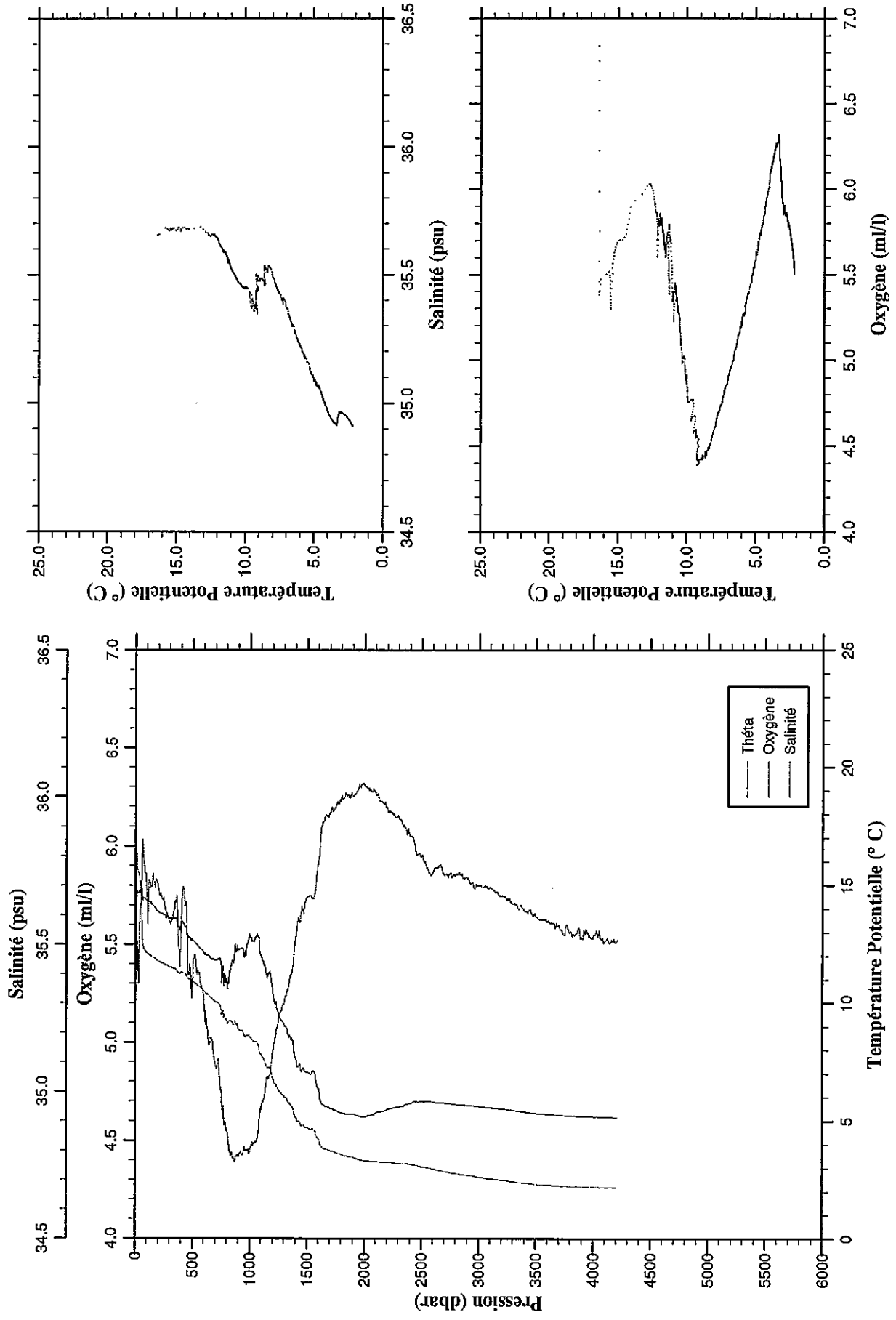
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	16.170	35.639	5.66	16.169	3050.0	2.778	34.942	5.70	2.527
10.0	16.056	35.641	5.59	16.054	3100.0	2.750	34.940	5.68	2.495
20.0	15.588	35.644	5.78	15.585	3150.0	2.719	34.938	5.68	2.458
30.0	15.152	35.615	5.81	15.147	3200.0	2.698	34.936	5.67	2.433
40.0	14.502	35.642	5.69	14.496	3250.0	2.699	34.935	5.65	2.429
50.0	12.957	35.632	6.00	12.950	3300.0	2.680	34.934	5.65	2.405
100.0	12.049	35.639	5.82	12.036	3350.0	2.650	34.930	5.65	2.370
150.0	11.809	35.607	5.86	11.790	3400.0	2.640	34.929	5.64	2.355
200.0	11.700	35.602	5.84	11.674	3450.0	2.623	34.928	5.63	2.333
250.0	11.483	35.573	5.69	11.451	3500.0	2.606	34.925	5.62	2.311
300.0	11.395	35.571	5.73	11.357	3550.0	2.586	34.923	5.62	2.286
350.0	11.284	35.557	5.77	11.240	3600.0	2.568	34.922	5.62	2.263
400.0	11.109	35.531	5.73	11.058	3650.0	2.566	34.920	5.61	2.255
450.0	10.924	35.501	5.51	10.868	3700.0	2.564	34.920	5.61	2.248
500.0	10.751	35.488	5.27	10.689	3750.0	2.563	34.919	5.57	2.242
550.0	10.449	35.451	5.21	10.382	3800.0	2.558	34.919	5.54	2.231
600.0	10.258	35.444	5.12	10.185	3850.0	2.552	34.917	5.55	2.220
650.0	10.006	35.431	4.80	9.928	3900.0	2.551	34.916	5.52	2.213
700.0	9.724	35.435	4.72	9.642	3950.0	2.545	34.916	5.52	2.201
750.0	9.282	35.391	4.60	9.196	4000.0	2.539	34.914	5.56	2.190
800.0	9.017	35.390	4.54	8.926	4050.0	2.538	34.913	5.53	2.182
850.0	8.855	35.425	4.49	8.760	4100.0	2.535	34.912	5.56	2.174
900.0	8.857	35.479	4.44	8.756	4150.0	2.524	34.911	5.54	2.158
950.0	8.530	35.480	4.50	8.425	4162.0	2.523	34.911	5.54	2.155
1000.0	8.366	35.500	4.56	8.256					
1050.0	7.911	35.450	4.69	7.799					
1100.0	7.503	35.405	4.80	7.389					
1150.0	7.003	35.343	4.95	6.887					
1200.0	6.592	35.293	5.07	6.475					
1250.0	6.093	35.227	5.27	5.975					
1300.0	5.661	35.164	5.43	5.542					
1350.0	5.310	35.115	5.56	5.190					
1400.0	4.882	35.058	5.74	4.761					
1450.0	4.580	35.023	5.87	4.458					
1500.0	4.258	34.981	6.02	4.135					
1550.0	3.998	34.945	6.14	3.873					
1600.0	3.909	34.940	6.21	3.781					
1650.0	3.788	34.929	6.25	3.657					
1700.0	3.709	34.923	6.29	3.575					
1750.0	3.651	34.919	6.27	3.512					
1800.0	3.600	34.913	6.30	3.457					
1850.0	3.546	34.911	6.33	3.400					
1900.0	3.508	34.914	6.34	3.357					
1950.0	3.470	34.916	6.34	3.315					
2000.0	3.422	34.915	6.32	3.263					
2050.0	3.419	34.920	6.29	3.256					
2100.0	3.430	34.930	6.24	3.261					
2150.0	3.438	34.942	6.18	3.264					
2200.0	3.408	34.949	6.12	3.230					
2250.0	3.378	34.951	6.09	3.196					
2300.0	3.330	34.955	6.07	3.143					
2350.0	3.282	34.958	6.01	3.092					
2400.0	3.238	34.959	6.00	3.044					
2450.0	3.193	34.959	5.98	2.994					
2500.0	3.157	34.961	5.93	2.954					
2550.0	3.118	34.961	5.86	2.910					
2600.0	3.081	34.959	5.86	2.869					
2650.0	3.016	34.957	5.81	2.801					
2700.0	2.987	34.955	5.80	2.768					
2750.0	2.947	34.953	5.76	2.723					
2800.0	2.911	34.951	5.75	2.683					
2850.0	2.893	34.950	5.73	2.660					
2900.0	2.866	34.949	5.74	2.628					
2950.0	2.842	34.947	5.71	2.599					
3000.0	2.804	34.945	5.71	2.557					



Station 29

Station	: 30	Campagne	: ARCANE 98
Date	: 30-06-98	Navire	: LA THALASSA
Profondeur	: 4160	Organisme	: IFREMER
Position	: N 46 19.96		
	W 15 59.98		

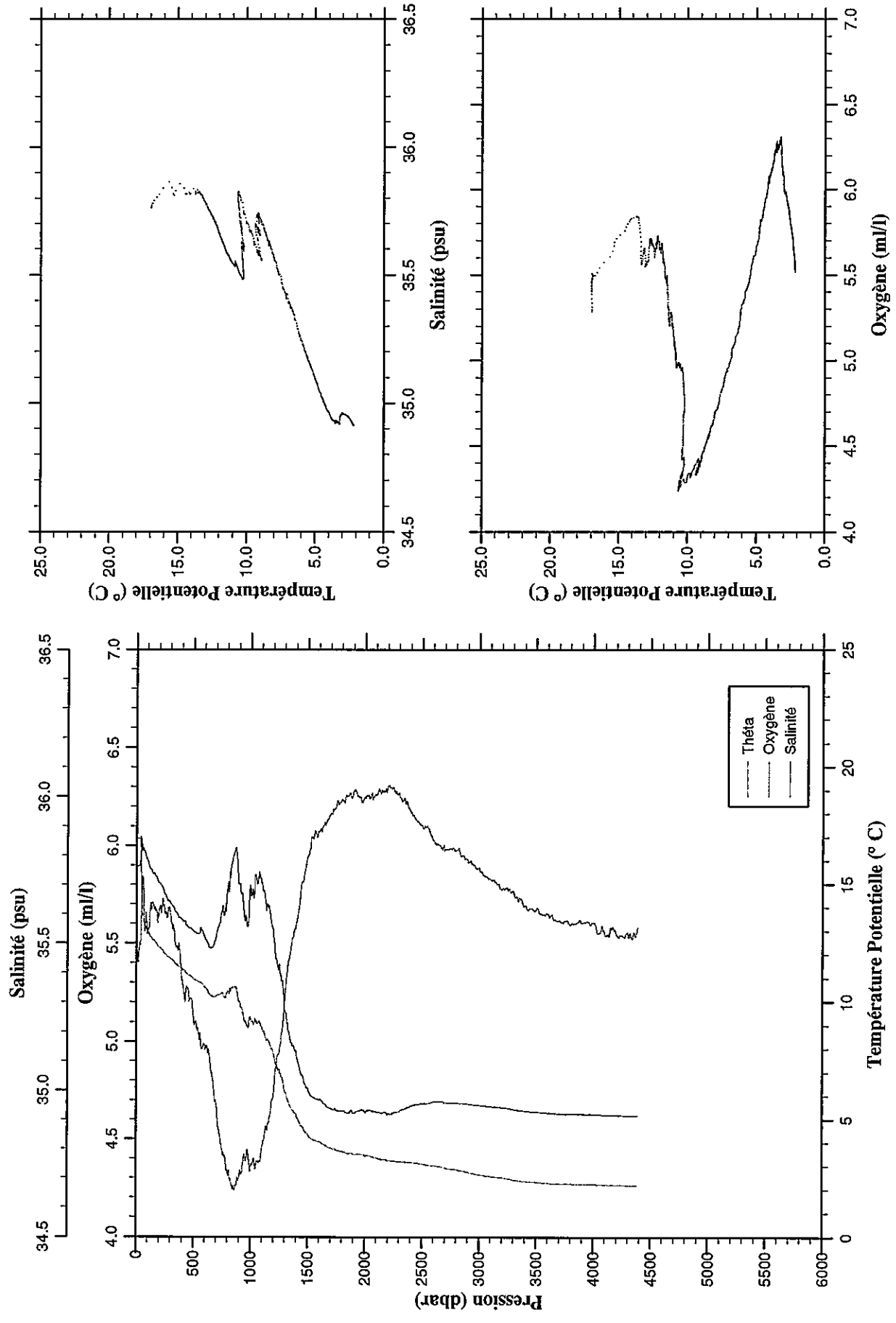
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	16.389	35.656	6.84	16.388	3050.0	2.846	34.947	5.79	2.593
10.0	16.381	35.656	5.40	16.379	3100.0	2.823	34.946	5.79	2.566
20.0	15.590	35.675	5.47	15.587	3150.0	2.794	34.943	5.77	2.532
30.0	15.533	35.675	5.38	15.529	3200.0	2.770	34.942	5.75	2.503
40.0	15.189	35.683	5.66	15.183	3250.0	2.750	34.940	5.73	2.479
50.0	14.432	35.686	5.74	14.425	3300.0	2.722	34.938	5.71	2.445
100.0	12.163	35.650	5.75	12.150	3350.0	2.684	34.934	5.68	2.403
150.0	11.997	35.635	5.85	11.977	3400.0	2.665	34.932	5.67	2.379
200.0	11.822	35.611	5.79	11.796	3450.0	2.643	34.929	5.67	2.352
250.0	11.713	35.599	5.72	11.681	3500.0	2.621	34.927	5.64	2.326
300.0	11.583	35.588	5.61	11.544	3550.0	2.605	34.925	5.62	2.304
350.0	11.510	35.588	5.72	11.465	3600.0	2.595	34.923	5.62	2.290
400.0	11.405	35.577	5.60	11.354	3650.0	2.586	34.922	5.61	2.275
450.0	11.172	35.541	5.56	11.115	3700.0	2.578	34.921	5.60	2.261
500.0	10.994	35.515	5.33	10.931	3750.0	2.567	34.919	5.55	2.245
550.0	10.793	35.492	5.36	10.725	3800.0	2.558	34.918	5.57	2.230
600.0	10.587	35.470	5.21	10.513	3850.0	2.556	34.918	5.56	2.224
650.0	10.368	35.458	4.99	10.289	3900.0	2.555	34.917	5.53	2.217
700.0	10.147	35.447	4.88	10.063	3950.0	2.555	34.916	5.56	2.211
750.0	9.622	35.376	4.77	9.534	4000.0	2.553	34.915	5.55	2.204
800.0	9.325	35.369	4.56	9.232	4050.0	2.553	34.914	5.56	2.197
850.0	9.250	35.447	4.41	9.152	4100.0	2.554	34.914	5.52	2.192
900.0	9.050	35.485	4.42	8.948	4150.0	2.554	34.914	5.52	2.187
950.0	8.726	35.458	4.47	8.620	4200.0	2.546	34.912	5.51	2.173
1000.0	8.680	35.532	4.44	8.568	4210.0	2.548	34.912	5.52	2.173
1050.0	8.472	35.526	4.49	8.355					
1100.0	7.931	35.467	4.66	7.813					
1150.0	7.369	35.390	4.82	7.250					
1200.0	6.920	35.338	4.95	6.799					
1250.0	6.469	35.269	5.11	6.348					
1300.0	6.155	35.227	5.20	6.031					
1350.0	5.862	35.187	5.33	5.736					
1400.0	5.304	35.112	5.54	5.179					
1450.0	4.939	35.068	5.68	4.813					
1500.0	4.847	35.065	5.74	4.718					
1550.0	4.808	35.070	5.73	4.674					
1600.0	4.401	35.009	5.93	4.266					
1650.0	3.976	34.953	6.14	3.842					
1700.0	3.882	34.943	6.16	3.745					
1750.0	3.820	34.936	6.20	3.679					
1800.0	3.733	34.928	6.26	3.589					
1850.0	3.663	34.923	6.26	3.515					
1900.0	3.624	34.924	6.26	3.472					
1950.0	3.544	34.919	6.30	3.388					
2000.0	3.480	34.915	6.31	3.320					
2050.0	3.469	34.920	6.28	3.305					
2100.0	3.457	34.927	6.26	3.288					
2150.0	3.439	34.933	6.23	3.266					
2200.0	3.453	34.942	6.19	3.274					
2250.0	3.424	34.944	6.16	3.241					
2300.0	3.400	34.948	6.14	3.212					
2350.0	3.389	34.952	6.09	3.197					
2400.0	3.369	34.960	6.05	3.172					
2450.0	3.327	34.966	5.97	3.126					
2500.0	3.274	34.966	5.95	3.069					
2550.0	3.248	34.967	5.89	3.039					
2600.0	3.186	34.964	5.87	2.972					
2650.0	3.140	34.963	5.90	2.922					
2700.0	3.089	34.961	5.85	2.868					
2750.0	3.047	34.958	5.86	2.821					
2800.0	3.002	34.956	5.86	2.772					
2850.0	2.973	34.955	5.86	2.738					
2900.0	2.951	34.954	5.84	2.712					
2950.0	2.915	34.952	5.80	2.671					
3000.0	2.875	34.950	5.80	2.627					



Station 30

Station	: 31	Campagne	: ARCANE 98
Date	: 01-07-98	Navire	: LA THALASSA
Profondeur	: 4310	Organisme	: IFREMER
Position	: N 46 2.49		
	W 16 30.08		

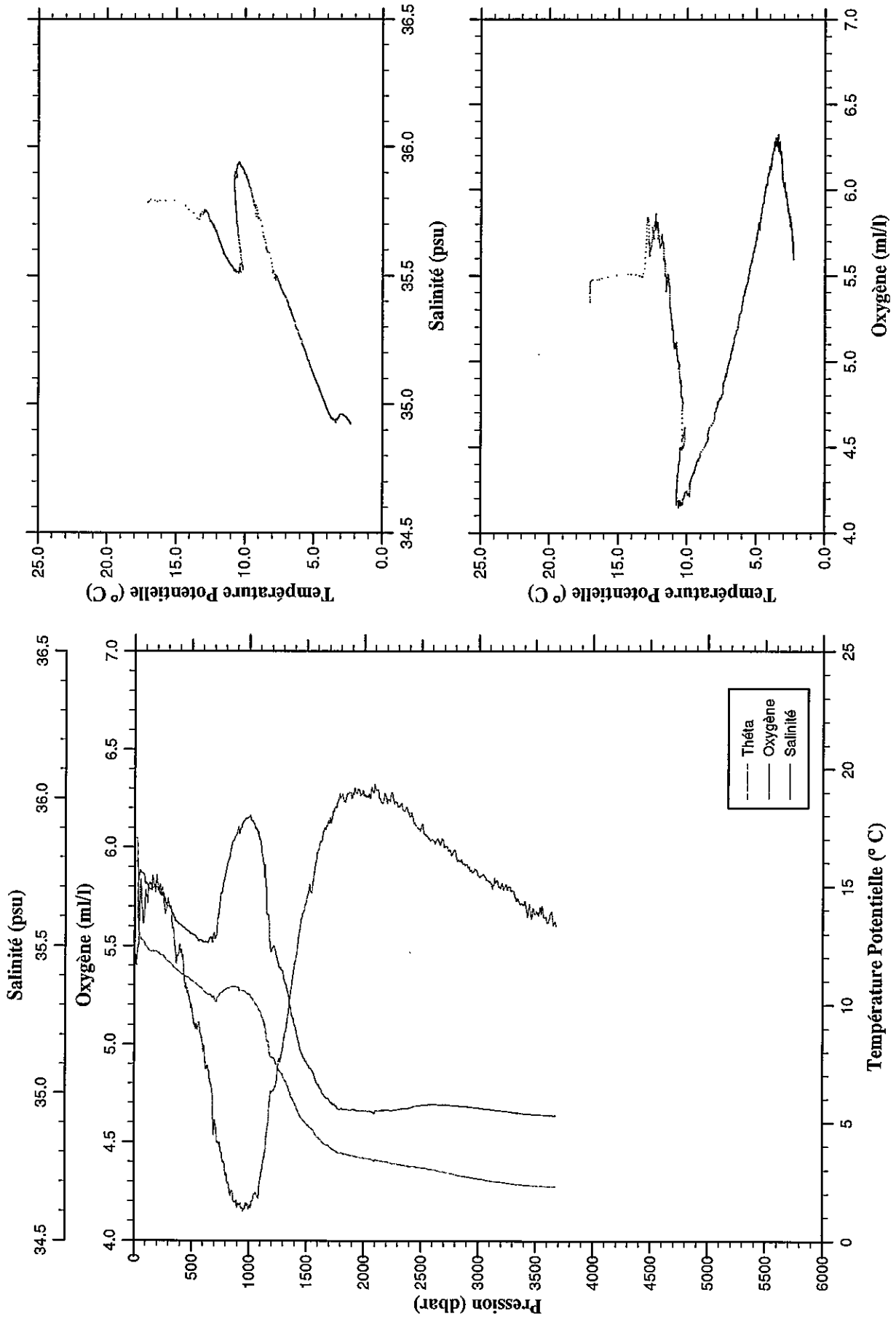
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	16.973	35.763	5.28	16.973	3050.0	2.863	34.948	5.84	2.610
10.0	16.982	35.763	5.46	16.980	3100.0	2.835	34.946	5.83	2.577
20.0	16.982	35.764	5.44	16.978	3150.0	2.809	34.944	5.80	2.546
30.0	16.967	35.769	5.51	16.962	3200.0	2.783	34.942	5.78	2.516
40.0	15.696	35.865	5.61	15.690	3250.0	2.756	34.941	5.77	2.484
50.0	14.177	35.818	5.82	14.169	3300.0	2.705	34.936	5.75	2.429
100.0	13.022	35.780	5.56	13.008	3350.0	2.668	34.933	5.73	2.387
150.0	12.654	35.737	5.68	12.633	3400.0	2.646	34.930	5.69	2.360
200.0	12.346	35.705	5.68	12.319	3450.0	2.639	34.928	5.68	2.349
250.0	12.088	35.666	5.66	12.055	3500.0	2.631	34.927	5.68	2.335
300.0	11.865	35.636	5.64	11.826	3550.0	2.615	34.926	5.64	2.314
350.0	11.659	35.604	5.48	11.614	3600.0	2.603	34.924	5.65	2.297
400.0	11.461	35.581	5.31	11.409	3650.0	2.586	34.922	5.62	2.275
450.0	11.233	35.556	5.27	11.175	3700.0	2.583	34.921	5.62	2.266
500.0	11.045	35.540	5.12	10.981	3750.0	2.582	34.920	5.61	2.260
550.0	10.923	35.533	5.01	10.854	3800.0	2.586	34.921	5.60	2.258
600.0	10.688	35.516	4.97	10.614	3850.0	2.589	34.920	5.60	2.256
650.0	10.371	35.483	4.86	10.292	3900.0	2.591	34.920	5.60	2.252
700.0	10.361	35.527	4.68	10.275	3950.0	2.593	34.919	5.61	2.248
750.0	10.455	35.607	4.45	10.363	4000.0	2.595	34.919	5.60	2.244
800.0	10.585	35.702	4.32	10.485	4050.0	2.589	34.918	5.55	2.232
850.0	10.747	35.800	4.26	10.640	4100.0	2.582	34.917	5.54	2.220
900.0	10.132	35.705	4.30	10.022	4150.0	2.581	34.915	5.57	2.212
950.0	9.260	35.577	4.41	9.149	4200.0	2.582	34.916	5.54	2.208
1000.0	9.375	35.686	4.36	9.257	4250.0	2.581	34.915	5.54	2.201
1050.0	9.287	35.717	4.38	9.164	4300.0	2.581	34.914	5.53	2.195
1100.0	9.024	35.696	4.46	8.897	4350.0	2.585	34.914	5.56	2.193
1150.0	8.520	35.629	4.58	8.391	4383.0	2.586	34.914	5.58	2.190
1200.0	7.918	35.524	4.73	7.789					
1250.0	7.278	35.430	4.94	7.148					
1300.0	6.326	35.270	5.24	6.200					
1350.0	5.651	35.167	5.46	5.527					
1400.0	5.318	35.128	5.61	5.193					
1450.0	4.852	35.051	5.82	4.727					
1500.0	4.504	35.007	5.94	4.378					
1550.0	4.268	34.976	6.04	4.140					
1600.0	4.187	34.968	6.07	4.055					
1650.0	4.046	34.954	6.10	3.912					
1700.0	3.922	34.938	6.16	3.784					
1750.0	3.838	34.933	6.22	3.697					
1800.0	3.779	34.930	6.24	3.634					
1850.0	3.715	34.926	6.25	3.567					
1900.0	3.667	34.924	6.28	3.514					
1950.0	3.677	34.931	6.25	3.519					
2000.0	3.618	34.928	6.25	3.457					
2050.0	3.597	34.932	6.26	3.431					
2100.0	3.525	34.927	6.26	3.355					
2150.0	3.472	34.923	6.28	3.298					
2200.0	3.422	34.919	6.31	3.244					
2250.0	3.413	34.922	6.28	3.230					
2300.0	3.392	34.929	6.25	3.205					
2350.0	3.382	34.938	6.21	3.190					
2400.0	3.373	34.947	6.17	3.176					
2450.0	3.343	34.952	6.13	3.142					
2500.0	3.314	34.956	6.10	3.109					
2550.0	3.264	34.956	6.09	3.054					
2600.0	3.246	34.962	6.02	3.031					
2650.0	3.214	34.962	6.00	2.995					
2700.0	3.159	34.959	5.98	2.936					
2750.0	3.122	34.958	5.99	2.895					
2800.0	3.099	34.957	5.98	2.867					
2850.0	3.052	34.957	5.95	2.816					
2900.0	2.993	34.955	5.91	2.752					
2950.0	2.945	34.953	5.90	2.700					
3000.0	2.888	34.950	5.87	2.640					



Station 31

Station	: 32	Campagne	: ARCANE 98
Date	: 01-07-98	Navire	: LA THALASSA
Profondeur	: 3620	Organisme	: IFREMER
Position	: N 45 33.14		
	W 16 35.45		

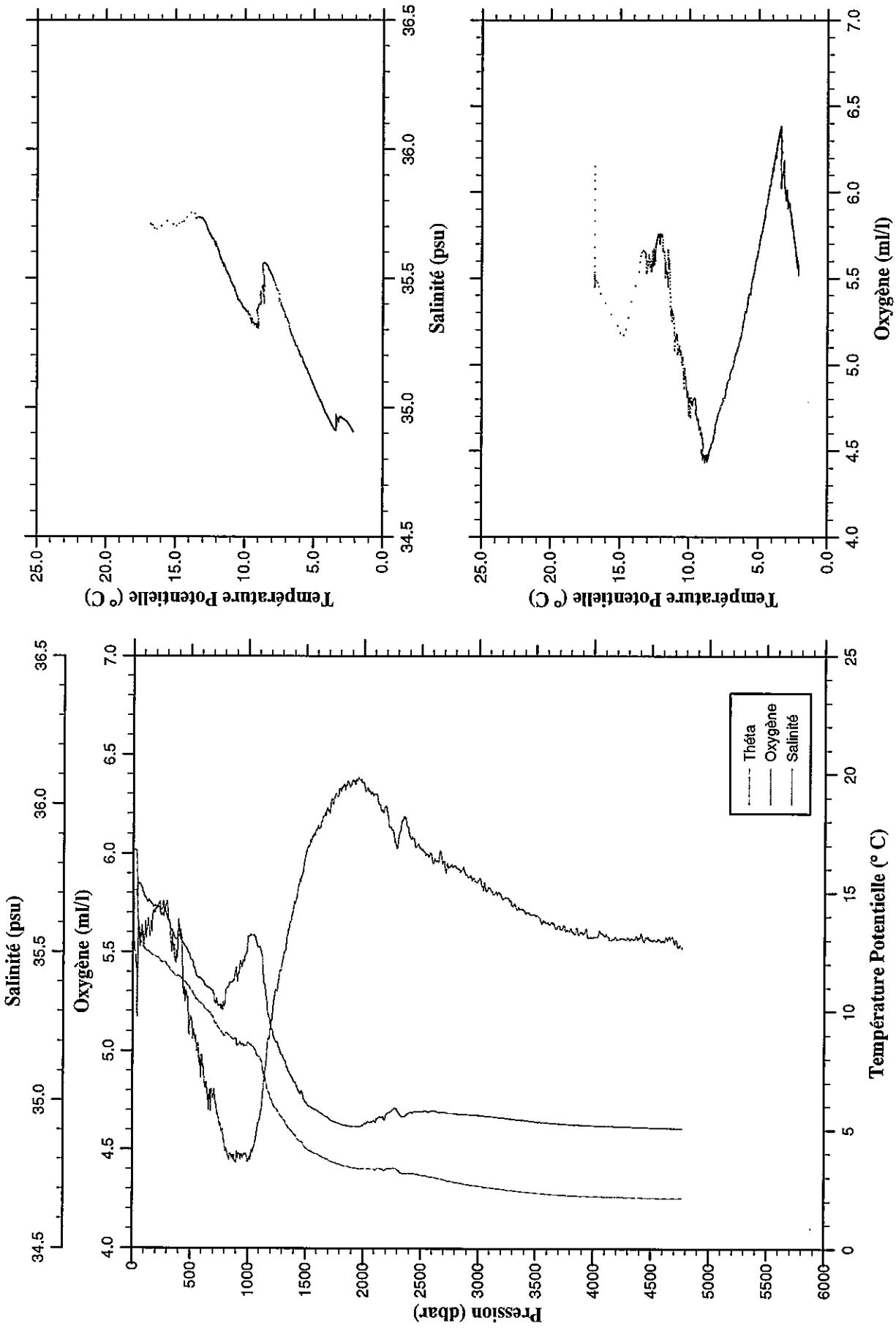
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.067	35.785	5.35	17.067	3050.0	2.851	34.947	5.85	2.598
10.0	17.063	35.785	5.46	17.061	3100.0	2.815	34.944	5.82	2.557
20.0	17.050	35.785	5.44	17.047	3150.0	2.784	34.943	5.83	2.523
30.0	14.323	35.771	5.51	14.318	3200.0	2.769	34.942	5.81	2.502
40.0	13.074	35.737	5.61	13.069	3250.0	2.742	34.939	5.79	2.471
50.0	12.908	35.748	5.82	12.901	3300.0	2.704	34.936	5.78	2.428
100.0	12.522	35.715	5.76	12.509	3350.0	2.686	34.934	5.72	2.405
150.0	12.304	35.689	5.78	12.284	3400.0	2.660	34.931	5.73	2.374
200.0	12.282	35.697	5.81	12.256	3450.0	2.648	34.930	5.67	2.357
250.0	12.145	35.678	5.72	12.112	3500.0	2.638	34.928	5.68	2.342
300.0	11.882	35.635	5.71	11.843	3550.0	2.629	34.927	5.70	2.328
350.0	11.622	35.595	5.50	11.576	3600.0	2.618	34.926	5.62	2.311
400.0	11.417	35.572	5.46	11.366	3650.0	2.615	34.924	5.61	2.303
450.0	11.261	35.555	5.29	11.203	3672.0	2.617	34.925	5.60	2.303
500.0	11.090	35.541	5.18	11.027					
550.0	10.901	35.523	5.08	10.832					
600.0	10.691	35.516	4.96	10.617					
650.0	10.514	35.522	4.86	10.434					
700.0	10.252	35.525	4.61	10.167					
750.0	10.626	35.677	4.46	10.533					
800.0	10.780	35.762	4.34	10.679					
850.0	10.879	35.845	4.26	10.770					
900.0	10.858	35.893	4.17	10.744					
950.0	10.711	35.922	4.15	10.590					
1000.0	10.582	35.938	4.17	10.456					
1050.0	10.184	35.899	4.24	10.054					
1100.0	9.834	35.846	4.31	9.701					
1150.0	8.767	35.648	4.52	8.636					
1200.0	7.916	35.494	4.75	7.787					
1250.0	7.465	35.447	4.88	7.334					
1300.0	7.005	35.389	5.02	6.873					
1350.0	6.448	35.302	5.21	6.316					
1400.0	5.930	35.229	5.42	5.798					
1450.0	5.355	35.144	5.63	5.224					
1500.0	5.071	35.104	5.74	4.938					
1550.0	4.847	35.076	5.81	4.713					
1600.0	4.518	35.029	5.99	4.383					
1650.0	4.265	34.993	6.09	4.128					
1700.0	4.107	34.973	6.13	3.967					
1750.0	3.961	34.957	6.21	3.818					
1800.0	3.857	34.946	6.26	3.711					
1850.0	3.816	34.944	6.27	3.665					
1900.0	3.763	34.945	6.27	3.608					
1950.0	3.697	34.940	6.29	3.539					
2000.0	3.669	34.940	6.26	3.506					
2050.0	3.636	34.939	6.25	3.469					
2100.0	3.588	34.936	6.30	3.417					
2150.0	3.564	34.941	6.23	3.388					
2200.0	3.537	34.944	6.23	3.357					
2250.0	3.466	34.941	6.26	3.282					
2300.0	3.430	34.945	6.21	3.243					
2350.0	3.390	34.947	6.19	3.198					
2400.0	3.358	34.950	6.16	3.162					
2450.0	3.351	34.957	6.11	3.150					
2500.0	3.319	34.958	6.11	3.113					
2550.0	3.289	34.961	6.06	3.079					
2600.0	3.240	34.962	6.03	3.025					
2650.0	3.180	34.961	6.03	2.961					
2700.0	3.148	34.961	6.00	2.925					
2750.0	3.099	34.959	5.98	2.872					
2800.0	3.039	34.958	5.96	2.808					
2850.0	2.997	34.956	5.93	2.762					
2900.0	2.962	34.955	5.91	2.723					
2950.0	2.925	34.952	5.87	2.681					
3000.0	2.886	34.951	5.85	2.638					



Station 32

Station : 33 Campagne : ARCANE 98
 Date : 01-07-98 Navire : LA THALASSA
 Profondeur : 4693 Organisme : IFREMER
 Position : N 45 45.31
 W 17 0.67

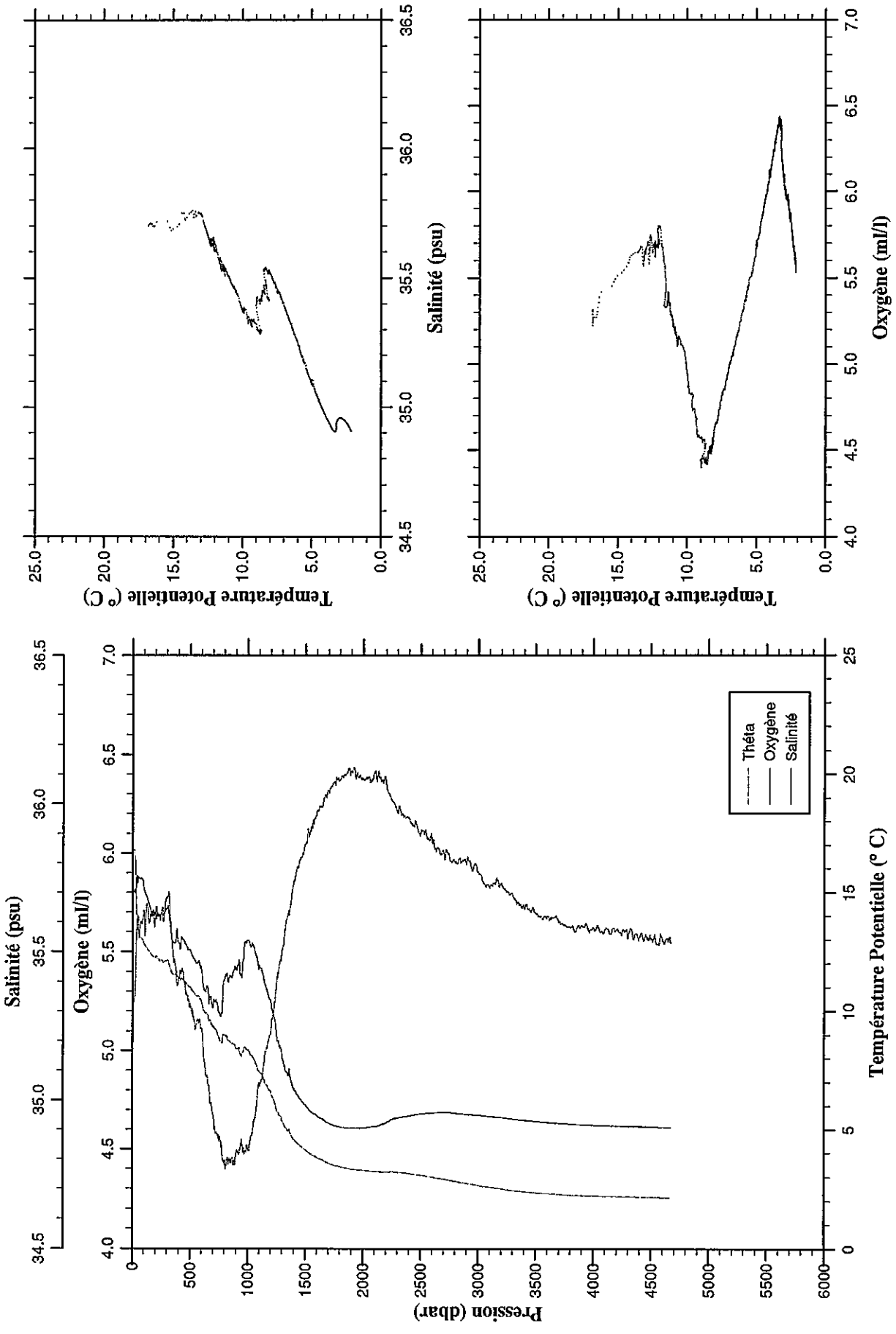
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	16.829	35.711	6.15	16.829	3050.0	2.859	34.948	5.83	2.606
10.0	16.833	35.710	5.62	16.831	3100.0	2.838	34.946	5.82	2.581
20.0	16.834	35.710	5.49	16.831	3150.0	2.800	34.944	5.81	2.538
30.0	16.709	35.706	5.49	16.704	3200.0	2.776	34.942	5.77	2.509
40.0	14.386	35.722	5.27	14.380	3250.0	2.755	34.940	5.77	2.484
50.0	13.181	35.736	5.65	13.174	3300.0	2.728	34.938	5.74	2.452
100.0	12.696	35.689	5.58	12.683	3350.0	2.703	34.936	5.72	2.421
150.0	12.512	35.670	5.62	12.492	3400.0	2.687	34.934	5.70	2.401
200.0	12.340	35.653	5.72	12.314	3450.0	2.665	34.931	5.69	2.374
250.0	12.131	35.626	5.72	12.098	3500.0	2.645	34.929	5.69	2.349
300.0	11.964	35.609	5.73	11.925	3550.0	2.631	34.927	5.65	2.329
350.0	11.677	35.564	5.53	11.632	3600.0	2.619	34.926	5.65	2.313
400.0	11.553	35.555	5.61	11.502	3650.0	2.608	34.925	5.65	2.297
450.0	11.305	35.520	5.29	11.247	3700.0	2.594	34.923	5.63	2.278
500.0	10.974	35.477	5.18	10.911	3750.0	2.583	34.921	5.61	2.261
550.0	10.582	35.423	5.04	10.514	3800.0	2.575	34.919	5.61	2.248
600.0	10.391	35.408	4.98	10.318	3850.0	2.572	34.919	5.62	2.239
650.0	10.102	35.383	4.81	10.024	3900.0	2.566	34.918	5.60	2.228
700.0	9.792	35.359	4.78	9.710	3950.0	2.562	34.917	5.58	2.218
750.0	9.370	35.319	4.65	9.284	4000.0	2.560	34.916	5.58	2.210
800.0	9.066	35.325	4.52	8.975	4050.0	2.558	34.915	5.60	2.203
850.0	9.041	35.399	4.48	8.944	4100.0	2.558	34.914	5.59	2.197
900.0	8.906	35.444	4.45	8.804	4150.0	2.559	34.914	5.56	2.192
950.0	8.734	35.465	4.47	8.628	4200.0	2.558	34.913	5.57	2.185
1000.0	8.812	35.554	4.44	8.699	4250.0	2.558	34.913	5.57	2.179
1050.0	8.603	35.559	4.51	8.486	4300.0	2.557	34.912	5.57	2.172
1100.0	8.216	35.518	4.65	8.096	4350.0	2.559	34.911	5.57	2.167
1150.0	7.303	35.375	4.91	7.185	4400.0	2.559	34.910	5.58	2.162
1200.0	6.429	35.240	5.16	6.313	4450.0	2.558	34.910	5.57	2.155
1250.0	6.007	35.198	5.30	5.889	4500.0	2.557	34.909	5.56	2.148
1300.0	5.631	35.150	5.46	5.513	4550.0	2.557	34.908	5.56	2.141
1350.0	5.223	35.099	5.62	5.104	4600.0	2.558	34.908	5.56	2.137
1400.0	4.948	35.064	5.75	4.826	4650.0	2.560	34.908	5.58	2.132
1450.0	4.632	35.027	5.86	4.509	4700.0	2.563	34.906	5.55	2.129
1500.0	4.377	34.995	6.01	4.253	4750.0	2.567	34.907	5.53	2.127
1550.0	4.213	34.976	6.08	4.086	4766.0	2.569	34.907	5.53	2.127
1600.0	4.107	34.967	6.13	3.977					
1650.0	3.982	34.952	6.19	3.848					
1700.0	3.862	34.940	6.21	3.725					
1750.0	3.763	34.928	6.29	3.623					
1800.0	3.682	34.921	6.31	3.538					
1850.0	3.621	34.916	6.35	3.473					
1900.0	3.569	34.912	6.37	3.417					
1950.0	3.537	34.912	6.38	3.381					
2000.0	3.528	34.918	6.35	3.367					
2050.0	3.539	34.929	6.32	3.374					
2100.0	3.490	34.929	6.30	3.320					
2150.0	3.537	34.945	6.22	3.362					
2200.0	3.540	34.952	6.22	3.360					
2250.0	3.561	34.966	6.12	3.376					
2300.0	3.504	34.964	6.08	3.315					
2350.0	3.359	34.945	6.19	3.167					
2400.0	3.373	34.959	6.08	3.176					
2450.0	3.351	34.963	6.03	3.150					
2500.0	3.309	34.963	6.02	3.104					
2550.0	3.267	34.964	6.00	3.057					
2600.0	3.237	34.966	5.95	3.023					
2650.0	3.177	34.961	5.96	2.958					
2700.0	3.137	34.962	5.96	2.914					
2750.0	3.067	34.957	5.94	2.841					
2800.0	3.027	34.956	5.93	2.796					
2850.0	2.991	34.954	5.91	2.756					
2900.0	2.953	34.953	5.89	2.714					
2950.0	2.915	34.951	5.88	2.671					
3000.0	2.895	34.949	5.87	2.647					



Station 33

Station	: 34	Campagne	: ARCANE 98
Date	: 02-07-98	Navire	: LA THALASSA
Profondeur	: 4599	Organisme	: IFREMER
Position	: N 45 27.45		
	W 17 30.00		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	16.815	35.703	5.22	16.815	3050.0	2.864	34.947	5.85	2.610
10.0	16.829	35.702	5.29	16.828	3100.0	2.842	34.947	5.83	2.584
20.0	16.558	35.706	5.28	16.555	3150.0	2.808	34.943	5.85	2.545
30.0	15.033	35.688	5.51	15.029	3200.0	2.788	34.943	5.85	2.521
40.0	13.641	35.758	5.65	13.635	3250.0	2.756	34.940	5.81	2.484
50.0	13.256	35.749	5.66	13.249	3300.0	2.724	34.938	5.78	2.448
100.0	12.831	35.710	5.71	12.818	3350.0	2.704	34.935	5.74	2.422
150.0	12.489	35.650	5.66	12.469	3400.0	2.688	34.934	5.72	2.402
200.0	12.297	35.626	5.68	12.271	3450.0	2.673	34.931	5.71	2.382
250.0	12.196	35.632	5.69	12.162	3500.0	2.654	34.929	5.69	2.358
300.0	12.174	35.646	5.77	12.134	3550.0	2.639	34.927	5.67	2.338
350.0	11.604	35.532	5.50	11.559	3600.0	2.628	34.926	5.68	2.321
400.0	11.476	35.531	5.36	11.425	3650.0	2.615	34.924	5.67	2.303
450.0	11.306	35.535	5.35	11.248	3700.0	2.604	34.922	5.65	2.286
500.0	11.065	35.506	5.24	11.002	3750.0	2.594	34.922	5.63	2.271
550.0	10.743	35.465	5.12	10.675	3800.0	2.586	34.920	5.62	2.259
600.0	10.452	35.436	5.11	10.378	3850.0	2.582	34.919	5.62	2.248
650.0	9.949	35.380	4.87	9.871	3900.0	2.577	34.918	5.63	2.238
700.0	9.420	35.324	4.68	9.340	3950.0	2.575	34.918	5.61	2.230
750.0	8.968	35.295	4.54	8.884	4000.0	2.574	34.917	5.62	2.223
800.0	9.078	35.417	4.44	8.987	4050.0	2.574	34.915	5.60	2.217
850.0	8.776	35.419	4.43	8.681	4100.0	2.573	34.915	5.61	2.211
900.0	8.544	35.445	4.48	8.445	4150.0	2.570	34.914	5.59	2.202
950.0	8.289	35.428	4.53	8.186	4200.0	2.573	34.913	5.61	2.199
1000.0	8.477	35.540	4.50	8.367	4250.0	2.573	34.913	5.61	2.194
1050.0	8.146	35.519	4.62	8.032	4300.0	2.574	34.913	5.59	2.188
1100.0	7.545	35.450	4.83	7.430	4350.0	2.574	34.912	5.57	2.183
1150.0	7.097	35.389	4.98	6.981	4400.0	2.574	34.912	5.58	2.177
1200.0	6.717	35.334	5.10	6.598	4450.0	2.578	34.912	5.59	2.174
1250.0	5.953	35.215	5.37	5.836	4500.0	2.579	34.911	5.57	2.169
1300.0	5.470	35.141	5.51	5.353	4550.0	2.578	34.910	5.54	2.162
1350.0	5.067	35.083	5.70	4.949	4600.0	2.574	34.909	5.55	2.152
1400.0	4.692	35.037	5.87	4.573	4650.0	2.571	34.908	5.57	2.143
1450.0	4.466	35.006	5.96	4.346	4667.0	2.573	34.908	5.54	2.143
1500.0	4.269	34.984	6.05	4.146					
1550.0	4.090	34.962	6.14	3.964					
1600.0	3.951	34.948	6.21	3.822					
1650.0	3.851	34.938	6.25	3.719					
1700.0	3.723	34.924	6.31	3.588					
1750.0	3.635	34.914	6.37	3.497					
1800.0	3.574	34.909	6.38	3.432					
1850.0	3.526	34.906	6.40	3.380					
1900.0	3.486	34.906	6.42	3.335					
1950.0	3.462	34.905	6.41	3.307					
2000.0	3.443	34.906	6.38	3.284					
2050.0	3.424	34.909	6.39	3.260					
2100.0	3.407	34.911	6.41	3.239					
2150.0	3.399	34.917	6.38	3.226					
2200.0	3.393	34.924	6.35	3.216					
2250.0	3.412	34.935	6.27	3.229					
2300.0	3.399	34.942	6.20	3.212					
2350.0	3.377	34.944	6.18	3.185					
2400.0	3.351	34.948	6.18	3.155					
2450.0	3.320	34.951	6.16	3.120					
2500.0	3.294	34.954	6.11	3.089					
2550.0	3.254	34.957	6.09	3.044					
2600.0	3.217	34.958	6.05	3.003					
2650.0	3.180	34.959	6.02	2.961					
2700.0	3.141	34.960	6.00	2.919					
2750.0	3.100	34.959	5.96	2.873					
2800.0	3.049	34.956	5.95	2.818					
2850.0	3.010	34.954	5.96	2.774					
2900.0	2.976	34.952	5.96	2.736					
2950.0	2.943	34.952	5.91	2.699					
3000.0	2.902	34.950	5.91	2.653					



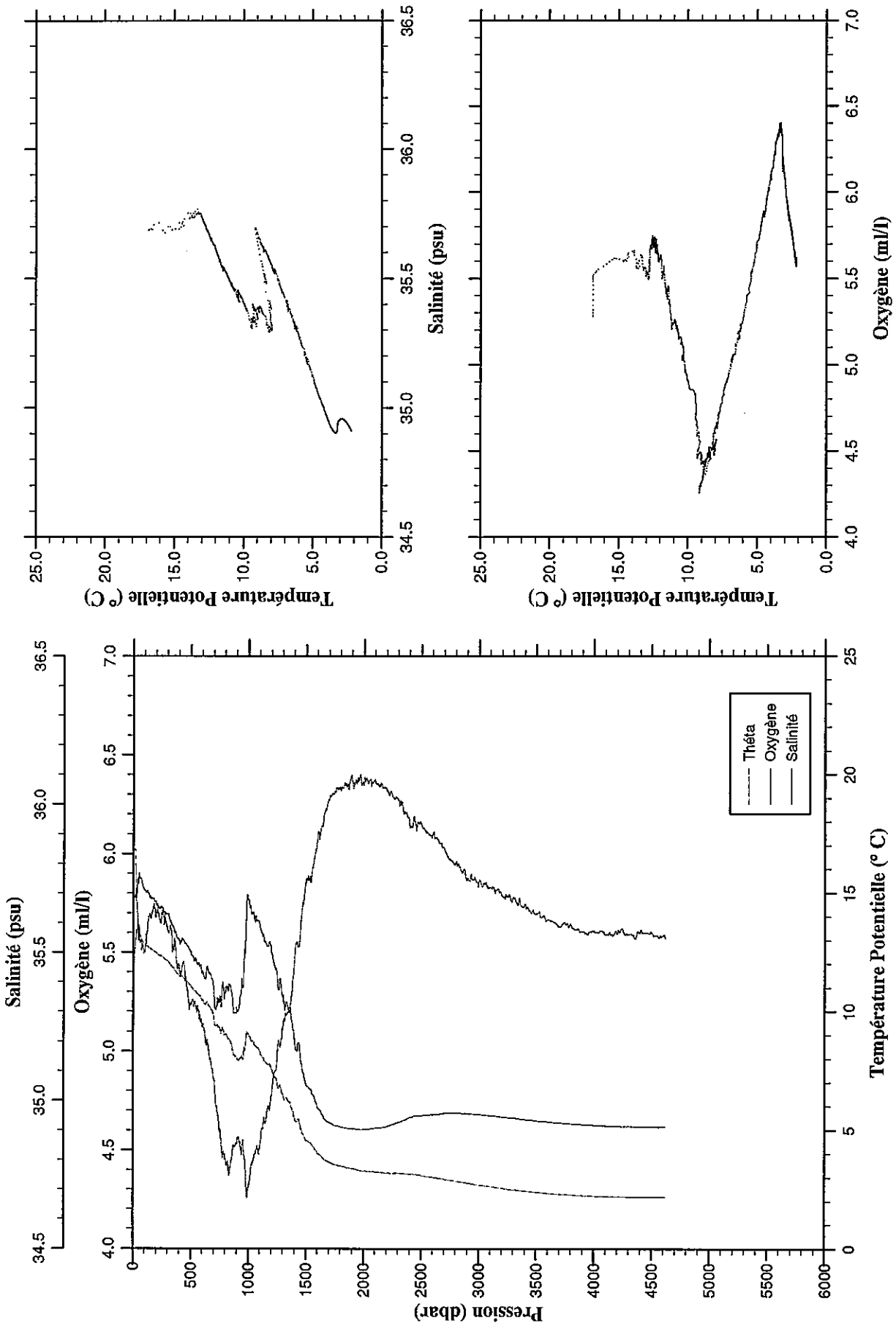
Station 34

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| Station   : 35           Campagne  : ARCANE 98
| Date      : 02-07-98    Navire    : LA THALASSA
| Profondeur : 4554       Organisme : IFREMER
| Position  : N 45 9.97
|            W 18 0.06
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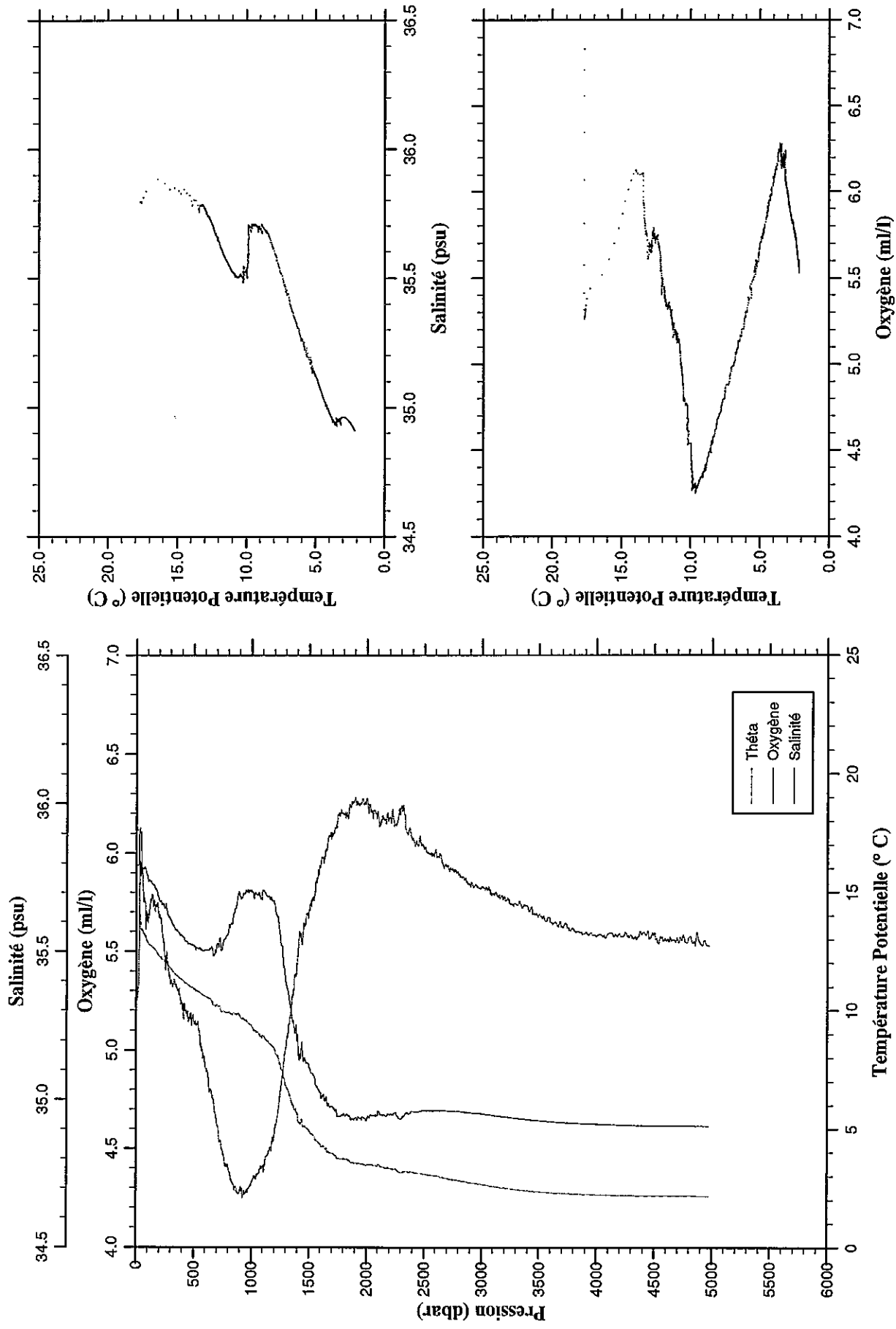
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	16.858	35.687	5.28	16.858	3050.0	2.932	34.952	5.84	2.677
10.0	16.861	35.686	5.48	16.860	3100.0	2.898	34.951	5.83	2.639
20.0	16.109	35.715	5.57	16.106	3150.0	2.869	34.949	5.82	2.605
30.0	14.451	35.712	5.60	14.446	3200.0	2.837	34.946	5.79	2.568
40.0	13.888	35.735	5.63	13.883	3250.0	2.804	34.944	5.78	2.531
50.0	13.419	35.750	5.63	13.412	3300.0	2.789	34.942	5.77	2.511
100.0	12.846	35.710	5.50	12.832	3350.0	2.756	34.940	5.77	2.473
150.0	12.669	35.684	5.69	12.649	3400.0	2.736	34.938	5.75	2.449
200.0	12.502	35.662	5.70	12.475	3450.0	2.713	34.935	5.70	2.421
250.0	12.367	35.654	5.70	12.333	3500.0	2.693	34.933	5.69	2.396
300.0	12.181	35.632	5.62	12.141	3550.0	2.679	34.932	5.68	2.377
350.0	11.894	35.584	5.51	11.848	3600.0	2.660	34.930	5.67	2.352
400.0	11.591	35.541	5.41	11.539	3650.0	2.644	34.927	5.65	2.331
450.0	11.418	35.531	5.35	11.360	3700.0	2.635	34.926	5.63	2.317
500.0	11.137	35.501	5.24	11.074	3750.0	2.627	34.924	5.64	2.304
550.0	10.852	35.464	5.20	10.783	3800.0	2.617	34.923	5.63	2.288
600.0	10.581	35.438	5.12	10.507	3850.0	2.608	34.921	5.62	2.274
650.0	10.408	35.442	5.03	10.328	3900.0	2.598	34.920	5.61	2.259
700.0	9.826	35.376	4.86	9.743	3950.0	2.595	34.919	5.60	2.249
750.0	9.416	35.348	4.59	9.329	4000.0	2.590	34.918	5.61	2.239
800.0	9.121	35.362	4.46	9.030	4050.0	2.585	34.917	5.61	2.228
850.0	8.764	35.372	4.44	8.669	4100.0	2.584	34.916	5.59	2.221
900.0	8.166	35.307	4.53	8.069	4150.0	2.581	34.916	5.59	2.213
950.0	8.107	35.385	4.55	8.005	4200.0	2.582	34.914	5.59	2.209
1000.0	9.171	35.680	4.31	9.055	4250.0	2.581	34.914	5.61	2.201
1050.0	8.715	35.617	4.46	8.597	4300.0	2.582	34.914	5.59	2.196
1100.0	8.390	35.586	4.51	8.269	4350.0	2.586	34.914	5.57	2.194
1150.0	7.994	35.532	4.64	7.870	4400.0	2.588	34.913	5.61	2.190
1200.0	7.661	35.495	4.78	7.534	4450.0	2.592	34.912	5.60	2.187
1250.0	7.073	35.417	4.98	6.946	4500.0	2.598	34.913	5.60	2.187
1300.0	6.645	35.357	5.12	6.517	4550.0	2.603	34.912	5.58	2.186
1350.0	6.313	35.304	5.21	6.182	4600.0	2.609	34.912	5.59	2.186
1400.0	5.674	35.210	5.46	5.545	4617.0	2.611	34.912	5.57	2.186
1450.0	5.331	35.154	5.61	5.201					
1500.0	4.721	35.053	5.87	4.592					
1550.0	4.525	35.025	5.91	4.394					
1600.0	4.176	34.977	6.09	4.045					
1650.0	3.970	34.949	6.18	3.836					
1700.0	3.818	34.927	6.28	3.681					
1750.0	3.703	34.917	6.32	3.564					
1800.0	3.651	34.912	6.32	3.508					
1850.0	3.589	34.908	6.34	3.442					
1900.0	3.547	34.906	6.36	3.395					
1950.0	3.490	34.903	6.37	3.335					
2000.0	3.459	34.903	6.37	3.300					
2050.0	3.444	34.905	6.37	3.280					
2100.0	3.435	34.908	6.36	3.266					
2150.0	3.408	34.909	6.36	3.236					
2200.0	3.397	34.914	6.32	3.220					
2250.0	3.389	34.920	6.29	3.206					
2300.0	3.400	34.928	6.27	3.212					
2350.0	3.383	34.935	6.20	3.191					
2400.0	3.380	34.945	6.14	3.183					
2450.0	3.357	34.949	6.15	3.155					
2500.0	3.320	34.950	6.15	3.114					
2550.0	3.283	34.952	6.11	3.073					
2600.0	3.249	34.953	6.10	3.034					
2650.0	3.222	34.955	6.06	3.002					
2700.0	3.179	34.958	6.02	2.955					
2750.0	3.141	34.959	5.97	2.913					
2800.0	3.111	34.959	5.96	2.879					
2850.0	3.072	34.959	5.91	2.835					
2900.0	3.026	34.957	5.88	2.785					
2950.0	2.993	34.955	5.87	2.747					
3000.0	2.962	34.954	5.86	2.712					



Station 35

Station : 36 Campagne : ARCANE 98
 Date : 02-07-98 Navire : LA THALASSA
 Profondeur : 4894 Organisme : IFREMER
 Position : N 44 52.51
 W 18 30.12

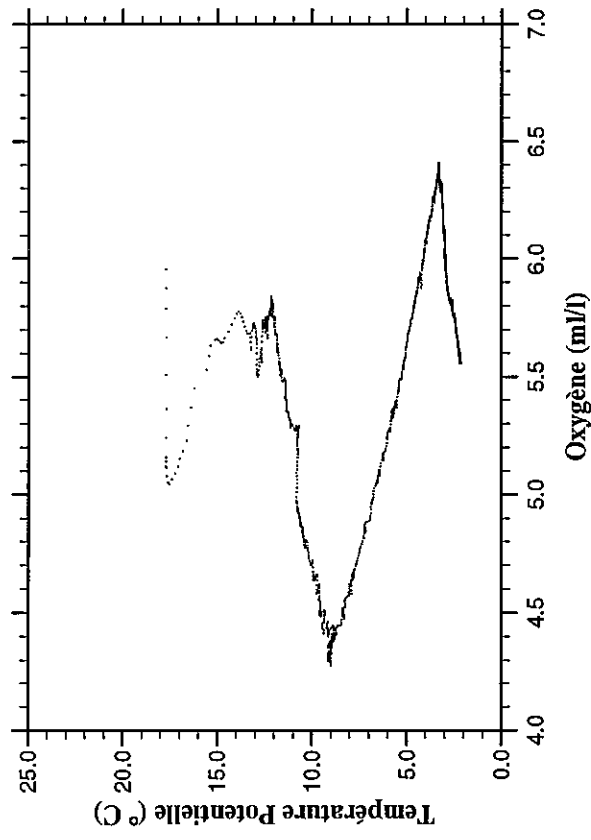
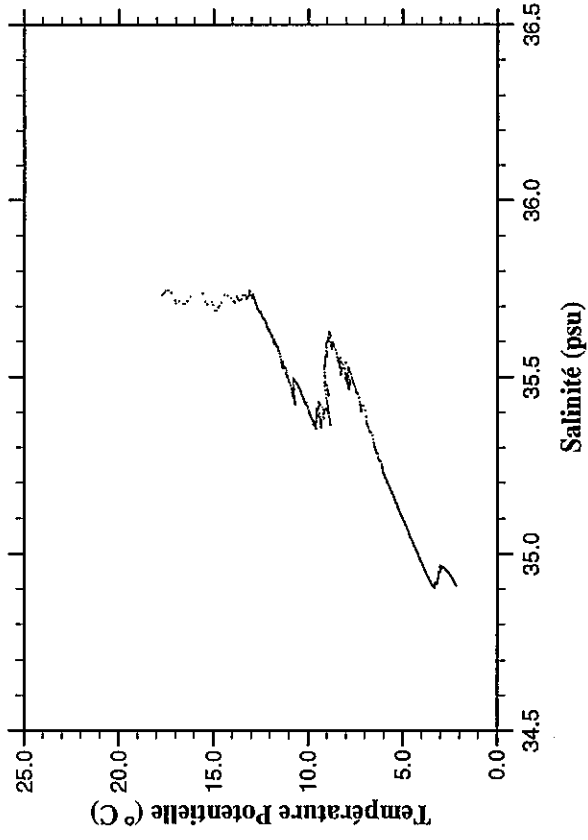
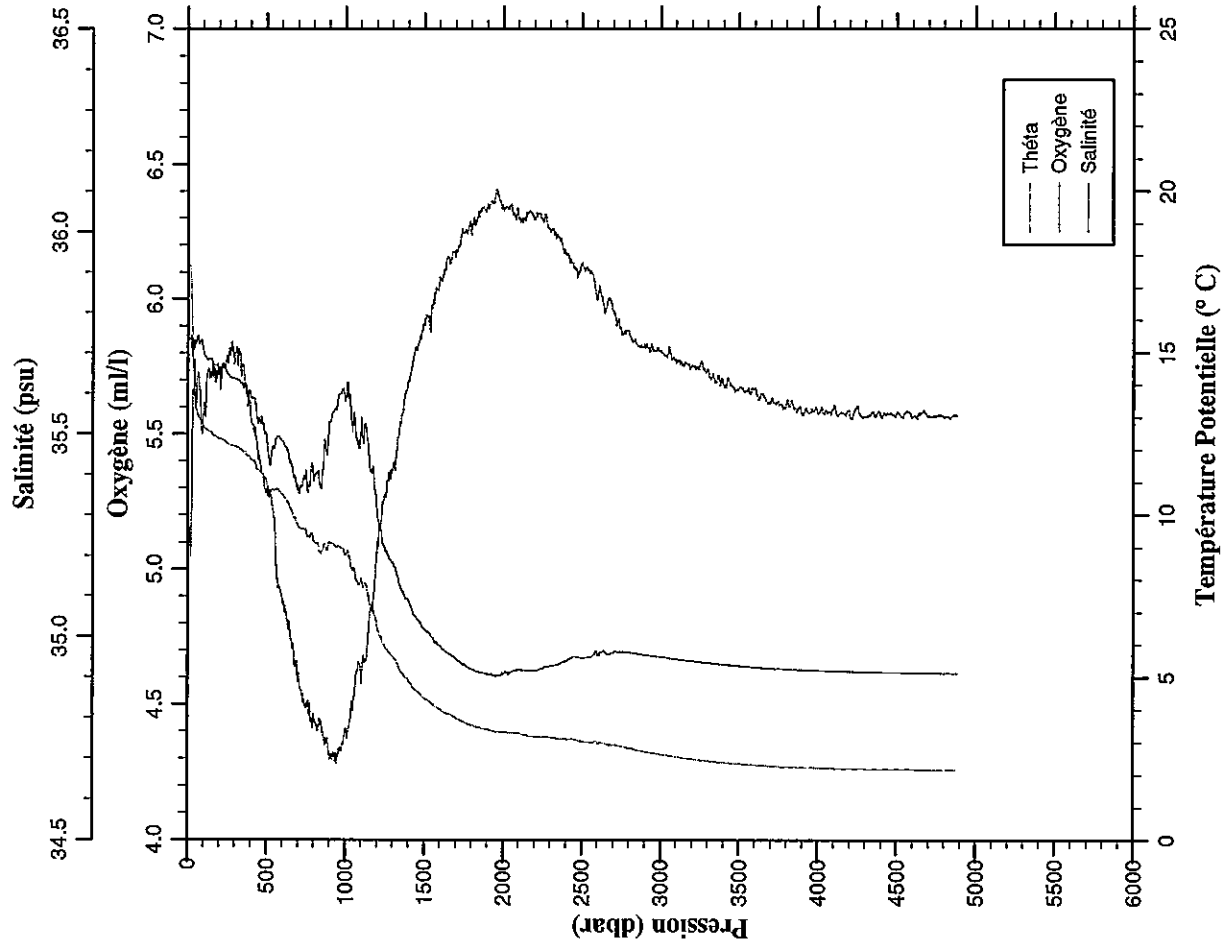
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.691	35.794	6.83	17.691	3050.0	2.882	34.950	5.81	2.629
10.0	17.683	35.796	5.28	17.681	3100.0	2.841	34.948	5.80	2.583
20.0	17.604	35.793	5.32	17.600	3150.0	2.808	34.945	5.79	2.546
30.0	14.541	35.844	6.01	14.537	3200.0	2.790	34.943	5.77	2.523
40.0	13.450	35.759	6.11	13.444	3250.0	2.758	34.941	5.74	2.486
50.0	13.416	35.782	5.93	13.409	3300.0	2.728	34.937	5.74	2.452
100.0	12.881	35.751	5.67	12.867	3350.0	2.709	34.936	5.72	2.428
150.0	12.666	35.724	5.75	12.646	3400.0	2.691	34.934	5.72	2.405
200.0	12.318	35.675	5.67	12.291	3450.0	2.671	34.931	5.69	2.379
250.0	12.108	35.645	5.43	12.075	3500.0	2.655	34.930	5.69	2.358
300.0	11.803	35.604	5.34	11.764	3550.0	2.643	34.928	5.66	2.341
350.0	11.534	35.574	5.32	11.489	3600.0	2.628	34.926	5.65	2.321
400.0	11.351	35.551	5.22	11.299	3650.0	2.619	34.925	5.64	2.307
450.0	11.127	35.525	5.17	11.070	3700.0	2.612	34.924	5.63	2.295
500.0	11.006	35.518	5.14	10.943	3750.0	2.604	34.923	5.62	2.281
550.0	10.849	35.513	5.09	10.780	3800.0	2.601	34.922	5.61	2.272
600.0	10.678	35.504	4.93	10.604	3850.0	2.594	34.920	5.60	2.260
650.0	10.545	35.511	4.80	10.464	3900.0	2.593	34.919	5.60	2.254
700.0	10.341	35.524	4.62	10.256	3950.0	2.590	34.919	5.59	2.245
750.0	10.064	35.518	4.48	9.974	4000.0	2.587	34.918	5.58	2.236
800.0	9.998	35.568	4.40	9.901	4050.0	2.586	34.917	5.58	2.230
850.0	9.976	35.630	4.30	9.874	4100.0	2.585	34.917	5.59	2.223
900.0	9.877	35.685	4.29	9.768	4150.0	2.584	34.916	5.58	2.216
950.0	9.723	35.707	4.28	9.609	4200.0	2.584	34.916	5.58	2.210
1000.0	9.493	35.708	4.32	9.374	4250.0	2.586	34.915	5.59	2.206
1050.0	9.204	35.691	4.37	9.082	4300.0	2.587	34.914	5.58	2.201
1100.0	9.069	35.706	4.41	8.942	4350.0	2.589	34.913	5.57	2.197
1150.0	8.815	35.688	4.48	8.684	4400.0	2.591	34.914	5.59	2.193
1200.0	8.514	35.660	4.57	8.379	4450.0	2.596	34.913	5.57	2.191
1250.0	7.857	35.558	4.78	7.722	4500.0	2.599	34.913	5.60	2.189
1300.0	6.979	35.397	5.01	6.847	4550.0	2.604	34.912	5.57	2.187
1350.0	6.277	35.285	5.23	6.147	4600.0	2.608	34.912	5.56	2.185
1400.0	5.846	35.215	5.44	5.715	4650.0	2.612	34.912	5.56	2.183
1450.0	5.240	35.135	5.61	5.110	4700.0	2.618	34.912	5.56	2.182
1500.0	5.066	35.117	5.71	4.933	4750.0	2.623	34.912	5.58	2.181
1550.0	4.807	35.073	5.79	4.673	4800.0	2.629	34.912	5.57	2.181
1600.0	4.509	35.027	5.95	4.373	4850.0	2.634	34.911	5.53	2.179
1650.0	4.350	35.009	6.01	4.212	4900.0	2.638	34.912	5.54	2.176
1700.0	4.120	34.977	6.09	3.979	4950.0	2.644	34.911	5.53	2.176
1750.0	3.886	34.943	6.20	3.744	4969.0	2.647	34.911	5.53	2.176
1800.0	3.890	34.950	6.20	3.743					
1850.0	3.837	34.947	6.25	3.687					
1900.0	3.727	34.938	6.28	3.573					
1950.0	3.701	34.938	6.25	3.543					
2000.0	3.622	34.931	6.28	3.461					
2050.0	3.657	34.946	6.19	3.490					
2100.0	3.675	34.957	6.19	3.502					
2150.0	3.566	34.948	6.17	3.390					
2200.0	3.519	34.950	6.18	3.340					
2250.0	3.502	34.956	6.15	3.318					
2300.0	3.350	34.935	6.23	3.163					
2350.0	3.400	34.955	6.10	3.207					
2400.0	3.384	34.960	6.08	3.187					
2450.0	3.330	34.959	6.05	3.129					
2500.0	3.307	34.963	6.02	3.101					
2550.0	3.271	34.963	6.00	3.061					
2600.0	3.234	34.963	6.01	3.020					
2650.0	3.188	34.964	5.96	2.969					
2700.0	3.133	34.962	5.93	2.910					
2750.0	3.096	34.961	5.92	2.869					
2800.0	3.060	34.960	5.89	2.828					
2850.0	3.022	34.958	5.87	2.786					
2900.0	2.972	34.955	5.83	2.733					
2950.0	2.957	34.955	5.84	2.712					
3000.0	2.920	34.953	5.83	2.671					



Station 36

Station	: 37	Campagne	: ARCANE 98
Date	: 02-07-98	Navire	: LA THALASSA
Profondeur	: 4792	Organisme	: IFREMER
Position	: N 44 35.38		
	W 18 59.85		

PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.721	35.734	5.96	17.721	3050.0	2.858	34.948	5.82	2.606
10.0	17.721	35.733	5.12	17.720	3100.0	2.828	34.946	5.76	2.571
20.0	17.230	35.739	5.09	17.227	3150.0	2.793	34.944	5.76	2.531
30.0	15.359	35.706	5.63	15.355	3200.0	2.770	34.941	5.76	2.503
40.0	14.086	35.724	5.75	14.080	3250.0	2.744	34.938	5.76	2.472
50.0	13.286	35.726	5.69	13.279	3300.0	2.721	34.937	5.74	2.445
100.0	12.772	35.706	5.58	12.759	3350.0	2.701	34.934	5.69	2.420
150.0	12.573	35.687	5.72	12.553	3400.0	2.685	34.933	5.68	2.399
200.0	12.398	35.666	5.75	12.371	3450.0	2.667	34.931	5.68	2.376
250.0	12.254	35.650	5.78	12.220	3500.0	2.655	34.929	5.67	2.359
300.0	12.172	35.637	5.80	12.132	3550.0	2.641	34.928	5.66	2.339
350.0	12.019	35.620	5.75	11.973	3600.0	2.624	34.926	5.67	2.318
400.0	11.779	35.590	5.56	11.727	3650.0	2.617	34.924	5.64	2.305
450.0	11.471	35.540	5.42	11.413	3700.0	2.608	34.924	5.62	2.291
500.0	11.110	35.492	5.30	11.047	3750.0	2.602	34.923	5.61	2.279
550.0	10.811	35.464	5.18	10.742	3800.0	2.597	34.921	5.62	2.269
600.0	10.714	35.482	4.88	10.640	3850.0	2.593	34.921	5.60	2.259
650.0	10.316	35.436	4.77	10.237	3900.0	2.590	34.919	5.57	2.251
700.0	9.759	35.367	4.61	9.676	3950.0	2.588	34.919	5.58	2.243
750.0	9.670	35.409	4.49	9.582	4000.0	2.585	34.918	5.58	2.234
800.0	9.303	35.394	4.45	9.210	4050.0	2.583	34.917	5.59	2.226
850.0	8.959	35.376	4.40	8.863	4100.0	2.580	34.916	5.61	2.218
900.0	9.272	35.531	4.31	9.168	4150.0	2.581	34.916	5.58	2.212
950.0	9.149	35.574	4.32	9.040	4200.0	2.582	34.915	5.57	2.208
1000.0	8.870	35.581	4.41	8.756	4250.0	2.583	34.915	5.60	2.203
1050.0	8.494	35.540	4.50	8.377	4300.0	2.584	34.914	5.57	2.198
1100.0	8.194	35.524	4.59	8.074	4350.0	2.586	34.914	5.58	2.194
1150.0	7.494	35.452	4.79	7.374	4400.0	2.589	34.913	5.57	2.191
1200.0	6.647	35.309	5.07	6.529	4450.0	2.591	34.912	5.58	2.187
1250.0	6.060	35.216	5.27	5.942	4500.0	2.595	34.912	5.58	2.185
1300.0	5.784	35.185	5.36	5.664	4550.0	2.600	34.912	5.58	2.183
1350.0	5.316	35.121	5.54	5.196	4600.0	2.602	34.912	5.56	2.179
1400.0	5.021	35.087	5.70	4.899	4650.0	2.605	34.911	5.58	2.176
1450.0	4.718	35.046	5.82	4.594	4700.0	2.609	34.912	5.56	2.174
1500.0	4.505	35.020	5.92	4.379	4750.0	2.613	34.911	5.56	2.171
1550.0	4.327	34.999	5.96	4.199	4800.0	2.618	34.910	5.56	2.170
1600.0	4.159	34.978	6.08	4.028	4850.0	2.623	34.910	5.57	2.169
1650.0	4.017	34.960	6.15	3.883	4881.0	2.626	34.911	5.57	2.167
1700.0	3.908	34.947	6.16	3.771					
1750.0	3.782	34.934	6.25	3.642					
1800.0	3.679	34.920	6.25	3.535					
1850.0	3.613	34.913	6.32	3.466					
1900.0	3.566	34.910	6.35	3.415					
1950.0	3.491	34.904	6.39	3.336					
2000.0	3.479	34.907	6.34	3.319					
2050.0	3.462	34.913	6.35	3.298					
2100.0	3.450	34.919	6.30	3.281					
2150.0	3.402	34.918	6.32	3.229					
2200.0	3.364	34.916	6.30	3.187					
2250.0	3.356	34.923	6.29	3.175					
2300.0	3.345	34.928	6.25	3.158					
2350.0	3.317	34.932	6.24	3.126					
2400.0	3.307	34.942	6.17	3.111					
2450.0	3.311	34.952	6.12	3.111					
2500.0	3.249	34.949	6.12	3.044					
2550.0	3.210	34.951	6.10	3.001					
2600.0	3.209	34.958	6.01	2.995					
2650.0	3.190	34.962	5.96	2.971					
2700.0	3.149	34.961	5.96	2.926					
2750.0	3.123	34.964	5.88	2.895					
2800.0	3.071	34.962	5.88	2.839					
2850.0	3.016	34.960	5.83	2.780					
2900.0	2.969	34.955	5.82	2.729					
2950.0	2.931	34.954	5.81	2.687					
3000.0	2.900	34.952	5.81	2.652					



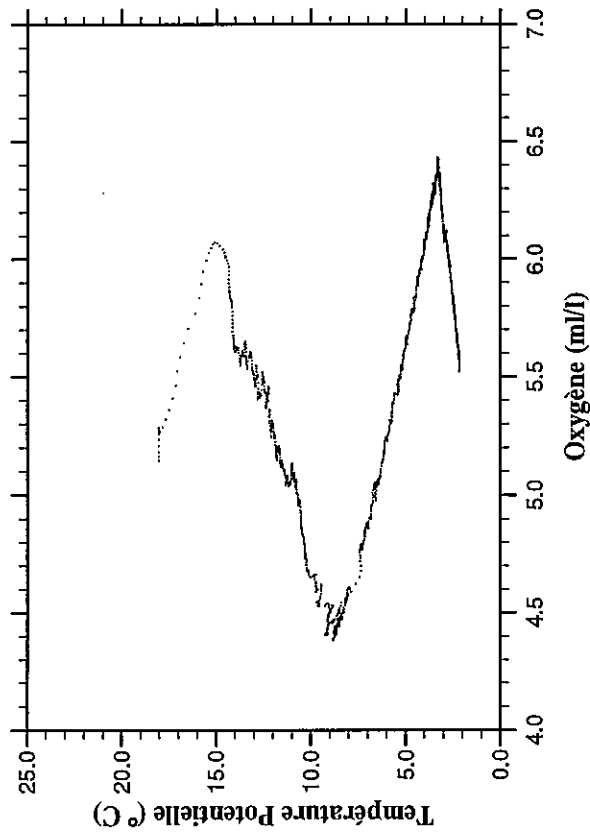
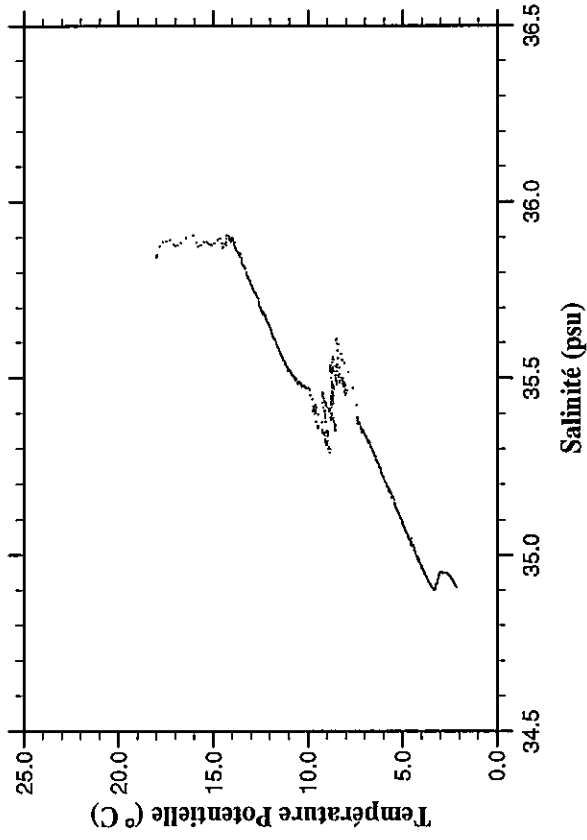
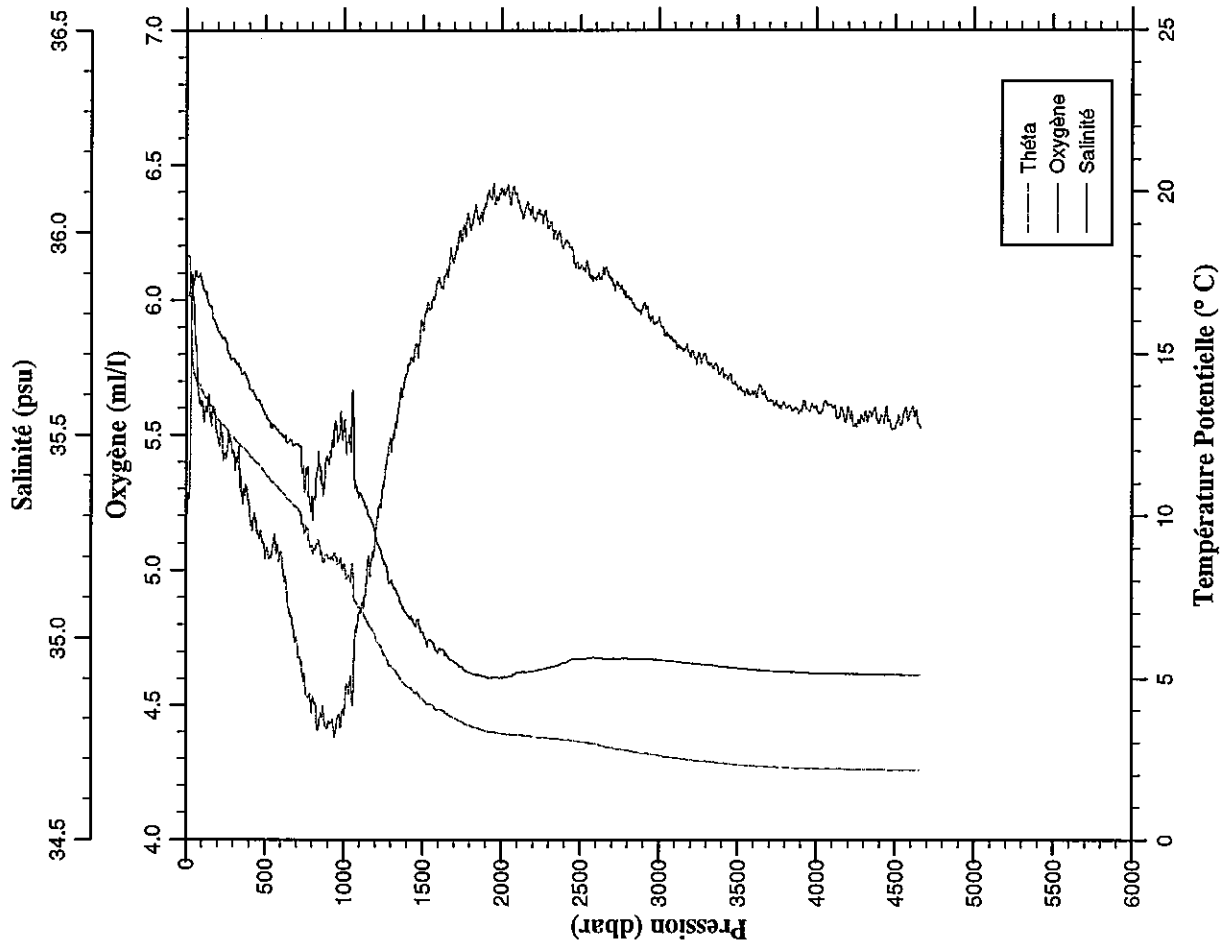
Station 37

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| Station      : 38           Campagne   : ARCANE 98
| Date         : 03-07-98    Navire    : LA THALASSA
| Profondeur  : 4579        Organisme : IFREMER
| Position     : N 44 17.47
|              : W 19 29.91
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PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.029	35.844	5.15	18.028	3050.0	2.834	34.946	5.88	2.581
10.0	18.045	35.843	5.28	18.044	3100.0	2.807	34.944	5.85	2.550
20.0	17.985	35.852	5.27	17.982	3150.0	2.772	34.941	5.81	2.511
30.0	16.109	35.905	5.77	16.104	3200.0	2.746	34.939	5.79	2.480
40.0	14.817	35.893	6.06	14.811	3250.0	2.728	34.937	5.81	2.456
50.0	14.367	35.880	5.97	14.359	3300.0	2.713	34.936	5.78	2.437
100.0	13.888	35.875	5.62	13.874	3350.0	2.696	34.934	5.76	2.415
150.0	13.463	35.819	5.56	13.441	3400.0	2.668	34.932	5.75	2.382
200.0	13.001	35.761	5.49	12.973	3450.0	2.650	34.929	5.73	2.359
250.0	12.768	35.732	5.41	12.734	3500.0	2.629	34.927	5.67	2.333
300.0	12.482	35.690	5.44	12.441	3550.0	2.618	34.926	5.66	2.317
350.0	12.175	35.651	5.27	12.128	3600.0	2.607	34.924	5.65	2.301
400.0	11.936	35.620	5.23	11.884	3650.0	2.599	34.922	5.67	2.287
450.0	11.694	35.588	5.14	11.635	3700.0	2.586	34.921	5.63	2.269
500.0	11.389	35.551	5.04	11.325	3750.0	2.578	34.920	5.61	2.256
550.0	11.131	35.528	5.09	11.061	3800.0	2.574	34.919	5.61	2.246
600.0	10.880	35.504	5.07	10.804	3850.0	2.571	34.918	5.60	2.238
650.0	10.579	35.484	4.86	10.499	3900.0	2.570	34.916	5.59	2.231
700.0	10.350	35.479	4.74	10.264	3950.0	2.566	34.917	5.59	2.222
750.0	9.570	35.363	4.62	9.483	4000.0	2.566	34.915	5.60	2.216
800.0	9.027	35.336	4.52	8.937	4050.0	2.567	34.914	5.63	2.211
850.0	9.111	35.419	4.46	9.014	4100.0	2.569	34.915	5.60	2.207
900.0	8.848	35.441	4.43	8.747	4150.0	2.570	34.914	5.60	2.202
950.0	8.865	35.517	4.41	8.757	4200.0	2.571	34.914	5.60	2.197
1000.0	8.625	35.535	4.46	8.514	4250.0	2.574	34.913	5.54	2.195
1050.0	8.551	35.556	4.53	8.434	4300.0	2.575	34.913	5.55	2.189
1100.0	7.312	35.358	4.85	7.199	4350.0	2.576	34.913	5.57	2.184
1150.0	6.856	35.306	5.00	6.742	4400.0	2.579	34.912	5.55	2.181
1200.0	6.389	35.257	5.13	6.274	4450.0	2.582	34.911	5.55	2.178
1250.0	5.917	35.192	5.31	5.801	4500.0	2.587	34.911	5.53	2.176
1300.0	5.542	35.144	5.44	5.425	4550.0	2.589	34.911	5.58	2.173
1350.0	5.177	35.101	5.61	5.059	4600.0	2.593	34.911	5.60	2.171
1400.0	4.883	35.062	5.73	4.763	4650.0	2.596	34.910	5.54	2.167
1450.0	4.674	35.030	5.82	4.551	4657.0	2.596	34.911	5.53	2.167
1500.0	4.509	35.015	5.92	4.383					
1550.0	4.343	34.995	5.97	4.214					
1600.0	4.163	34.970	6.08	4.031					
1650.0	4.079	34.963	6.11	3.944					
1700.0	3.910	34.942	6.15	3.773					
1750.0	3.804	34.928	6.23	3.663					
1800.0	3.689	34.916	6.27	3.545					
1850.0	3.622	34.911	6.30	3.474					
1900.0	3.533	34.905	6.35	3.382					
1950.0	3.494	34.904	6.43	3.339					
2000.0	3.459	34.904	6.41	3.300					
2050.0	3.438	34.908	6.39	3.275					
2100.0	3.434	34.916	6.38	3.265					
2150.0	3.397	34.917	6.34	3.225					
2200.0	3.371	34.918	6.31	3.194					
2250.0	3.360	34.923	6.32	3.178					
2300.0	3.342	34.928	6.27	3.156					
2350.0	3.325	34.932	6.23	3.134					
2400.0	3.299	34.940	6.21	3.103					
2450.0	3.277	34.950	6.19	3.077					
2500.0	3.245	34.950	6.12	3.040					
2550.0	3.218	34.952	6.12	3.009					
2600.0	3.187	34.953	6.07	2.974					
2650.0	3.114	34.950	6.11	2.897					
2700.0	3.074	34.951	6.08	2.852					
2750.0	3.042	34.950	6.04	2.816					
2800.0	2.998	34.952	6.02	2.768					
2850.0	2.949	34.950	5.97	2.715					
2900.0	2.931	34.950	5.98	2.692					
2950.0	2.900	34.950	5.94	2.656					
3000.0	2.873	34.949	5.94	2.625					



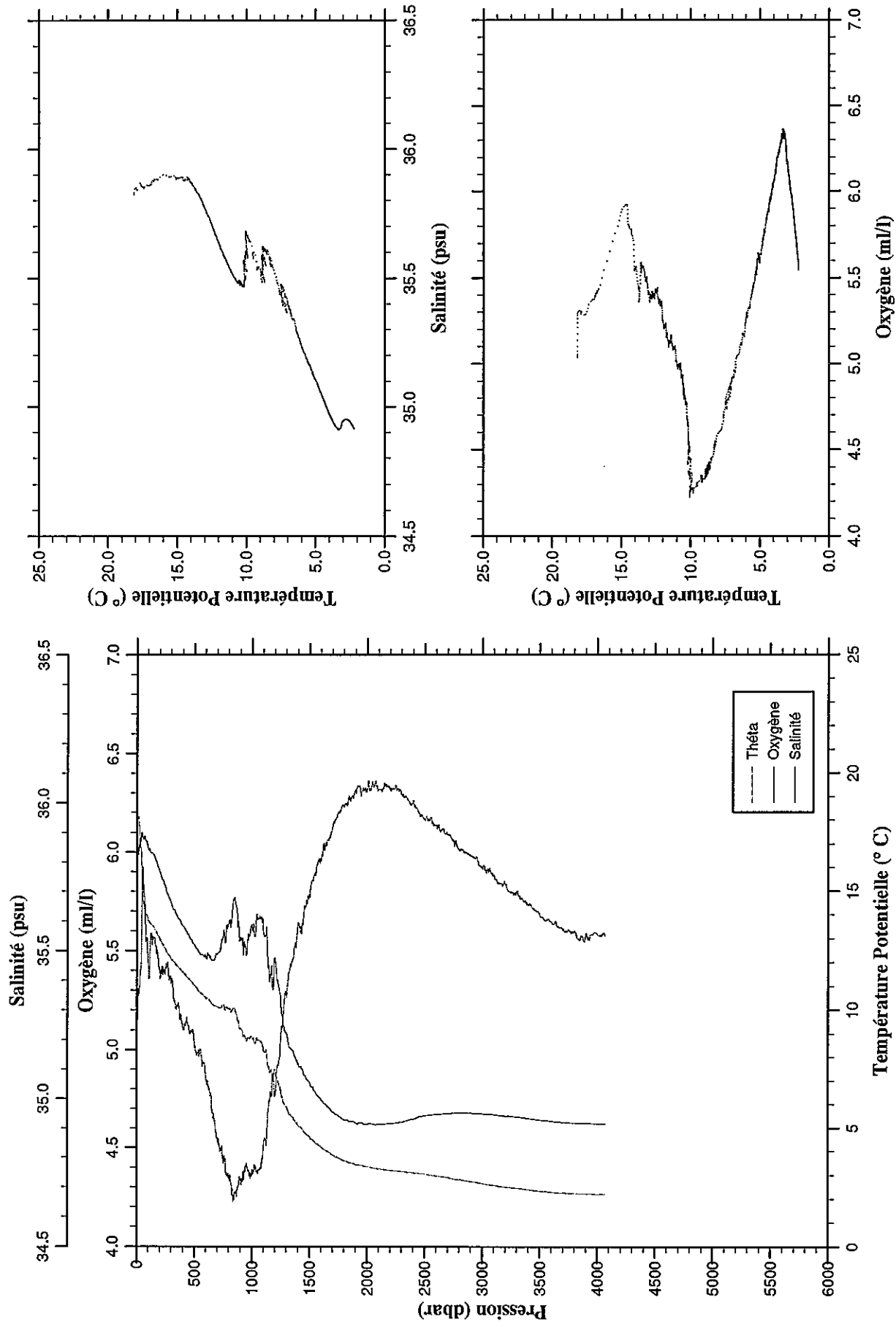
Station 38

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| Station   : 39           Campagne  : ARCANE 98
| Date     : 03-07-98    Navire    : LA THALASSA
| Profondeur : 3998      Organisme : IFREMER
| Position  : N 43 59.97
|           : W 19 59.95
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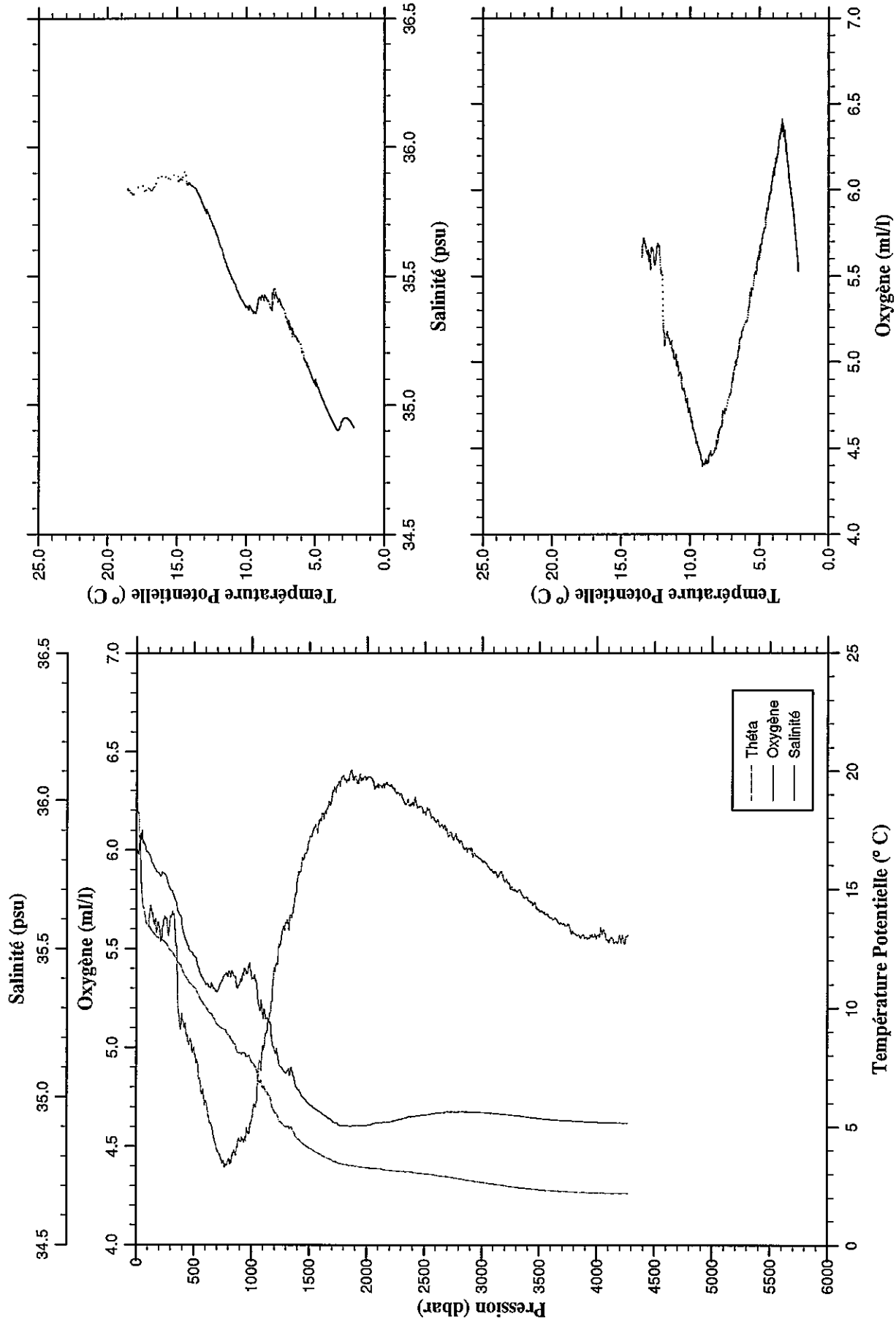
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.171	35.824	5.04	18.171	3050.0	2.877	34.948	5.90	2.624
10.0	18.172	35.824	5.24	18.171	3100.0	2.849	34.947	5.89	2.591
20.0	17.716	35.867	5.29	17.713	3150.0	2.807	34.944	5.84	2.544
30.0	16.966	35.861	5.38	16.961	3200.0	2.785	34.942	5.83	2.518
40.0	16.276	35.890	5.55	16.269	3250.0	2.763	34.940	5.80	2.491
50.0	14.835	35.890	5.91	14.828	3300.0	2.741	34.938	5.80	2.464
100.0	13.747	35.843	5.43	13.733	3350.0	2.717	34.936	5.76	2.435
150.0	13.451	35.821	5.57	13.430	3400.0	2.691	34.933	5.73	2.405
200.0	13.010	35.764	5.37	12.982	3450.0	2.662	34.931	5.71	2.371
250.0	12.592	35.714	5.43	12.558	3500.0	2.640	34.928	5.67	2.344
300.0	12.195	35.655	5.35	12.155	3550.0	2.627	34.926	5.65	2.326
350.0	11.910	35.615	5.22	11.864	3600.0	2.604	34.923	5.64	2.298
400.0	11.650	35.582	5.10	11.598	3650.0	2.591	34.922	5.62	2.279
450.0	11.388	35.554	5.11	11.330	3700.0	2.580	34.921	5.61	2.264
500.0	11.109	35.520	5.01	11.046	3750.0	2.574	34.919	5.60	2.252
550.0	10.798	35.491	5.00	10.730	3800.0	2.569	34.918	5.60	2.242
600.0	10.568	35.476	4.85	10.494	3850.0	2.566	34.918	5.56	2.233
650.0	10.355	35.468	4.70	10.276	3900.0	2.565	34.916	5.59	2.226
700.0	10.229	35.490	4.53	10.144	3950.0	2.563	34.916	5.58	2.219
750.0	10.282	35.552	4.45	10.190	4000.0	2.566	34.916	5.58	2.216
800.0	10.164	35.601	4.36	10.067	4050.0	2.572	34.915	5.59	2.216
850.0	10.111	35.674	4.27	10.007	4064.0	2.574	34.915	5.57	2.216
900.0	9.323	35.546	4.34	9.218					
950.0	8.795	35.486	4.41	8.688					
1000.0	8.923	35.577	4.39	8.809					
1050.0	8.852	35.607	4.37	8.732					
1100.0	8.403	35.558	4.51	8.281					
1150.0	7.490	35.409	4.75	7.370					
1200.0	7.579	35.470	4.78	7.452					
1250.0	6.623	35.324	5.07	6.500					
1300.0	6.031	35.223	5.27	5.908					
1350.0	5.592	35.162	5.45	5.469					
1400.0	5.257	35.118	5.64	5.132					
1450.0	4.958	35.080	5.71	4.831					
1500.0	4.752	35.055	5.77	4.623					
1550.0	4.512	35.024	5.88	4.381					
1600.0	4.327	34.996	5.97	4.194					
1650.0	4.168	34.976	6.05	4.032					
1700.0	3.997	34.956	6.14	3.858					
1750.0	3.876	34.941	6.20	3.734					
1800.0	3.751	34.928	6.23	3.606					
1850.0	3.686	34.923	6.28	3.537					
1900.0	3.613	34.918	6.31	3.461					
1950.0	3.592	34.919	6.31	3.435					
2000.0	3.531	34.914	6.32	3.370					
2050.0	3.481	34.914	6.34	3.317					
2100.0	3.449	34.914	6.32	3.280					
2150.0	3.417	34.915	6.35	3.244					
2200.0	3.392	34.916	6.32	3.215					
2250.0	3.382	34.918	6.33	3.200					
2300.0	3.352	34.921	6.29	3.166					
2350.0	3.331	34.927	6.27	3.140					
2400.0	3.314	34.932	6.26	3.118					
2450.0	3.294	34.940	6.20	3.094					
2500.0	3.259	34.943	6.16	3.054					
2550.0	3.226	34.945	6.17	3.017					
2600.0	3.195	34.948	6.14	2.981					
2650.0	3.170	34.949	6.11	2.952					
2700.0	3.137	34.950	6.09	2.915					
2750.0	3.089	34.952	6.06	2.862					
2800.0	3.055	34.953	6.01	2.824					
2850.0	3.020	34.953	6.00	2.784					
2900.0	2.990	34.952	5.98	2.750					
2950.0	2.954	34.951	5.98	2.709					
3000.0	2.911	34.949	5.91	2.662					



Station 39

Station	: 40	Campagne	: ARCANE 98
Date	: 03-07-98	Navire	: LA THALASSA
Profondeur	: 4209	Organisme	: IFREMER
Position	: N 43 42.55		
	W 20 29.98		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.546	35.839	****	18.546	3050.0	2.883	34.948	5.92	2.629
10.0	18.485	35.833	****	18.483	3100.0	2.853	34.946	5.89	2.595
20.0	18.115	35.818	****	18.111	3150.0	2.827	34.945	5.88	2.564
30.0	16.825	35.833	****	16.820	3200.0	2.797	34.943	5.84	2.530
40.0	15.477	35.877	****	15.471	3250.0	2.771	34.941	5.81	2.499
50.0	14.642	35.874	****	14.634	3300.0	2.740	34.938	5.79	2.463
100.0	13.525	35.824	****	13.510	3350.0	2.723	34.937	5.77	2.441
150.0	13.184	35.780	5.64	13.163	3400.0	2.698	34.934	5.74	2.411
200.0	12.955	35.754	5.59	12.927	3450.0	2.676	34.932	5.73	2.384
250.0	12.815	35.750	5.65	12.781	3500.0	2.653	34.929	5.69	2.357
300.0	12.460	35.699	5.66	12.419	3550.0	2.637	34.927	5.68	2.336
350.0	12.077	35.647	5.51	12.030	3600.0	2.624	34.926	5.66	2.318
400.0	11.644	35.569	5.14	11.592	3650.0	2.614	34.924	5.65	2.302
450.0	11.241	35.510	5.03	11.184	3700.0	2.604	34.923	5.63	2.286
500.0	10.953	35.477	5.00	10.890	3750.0	2.597	34.922	5.62	2.274
550.0	10.508	35.420	4.84	10.440	3800.0	2.591	34.921	5.58	2.263
600.0	10.135	35.384	4.73	10.063	3850.0	2.585	34.920	5.56	2.251
650.0	9.868	35.383	4.61	9.792	3900.0	2.579	34.918	5.56	2.240
700.0	9.407	35.356	4.49	9.327	3950.0	2.578	34.918	5.57	2.233
750.0	9.218	35.400	4.42	9.132	4000.0	2.577	34.917	5.57	2.227
800.0	8.970	35.424	4.43	8.880	4050.0	2.576	34.916	5.60	2.220
850.0	8.593	35.409	4.48	8.499	4100.0	2.575	34.916	5.53	2.213
900.0	8.218	35.391	4.53	8.121	4150.0	2.577	34.915	5.53	2.210
950.0	8.096	35.429	4.54	7.994	4200.0	2.578	34.915	5.55	2.205
1000.0	7.818	35.400	4.64	7.713	4250.0	2.579	34.914	5.56	2.200
1050.0	7.257	35.345	4.81	7.150	4268.0	2.580	34.914	5.56	2.198
1100.0	6.735	35.265	5.01	6.627					
1150.0	6.434	35.259	5.14	6.323					
1200.0	5.718	35.153	5.39	5.609					
1250.0	5.327	35.103	5.53	5.217					
1300.0	5.115	35.080	5.63	5.001					
1350.0	5.056	35.089	5.67	4.938					
1400.0	4.625	35.028	5.86	4.507					
1450.0	4.393	34.999	5.95	4.273					
1500.0	4.218	34.976	6.05	4.096					
1550.0	4.088	34.962	6.12	3.962					
1600.0	3.981	34.950	6.15	3.852					
1650.0	3.848	34.935	6.21	3.716					
1700.0	3.724	34.921	6.29	3.589					
1750.0	3.622	34.910	6.34	3.484					
1800.0	3.571	34.905	6.37	3.429					
1850.0	3.522	34.902	6.38	3.376					
1900.0	3.496	34.905	6.38	3.346					
1950.0	3.467	34.904	6.36	3.312					
2000.0	3.442	34.905	6.36	3.283					
2050.0	3.428	34.910	6.36	3.265					
2100.0	3.405	34.914	6.32	3.237					
2150.0	3.375	34.916	6.32	3.202					
2200.0	3.348	34.917	6.32	3.172					
2250.0	3.334	34.922	6.28	3.153					
2300.0	3.319	34.927	6.28	3.133					
2350.0	3.310	34.932	6.25	3.119					
2400.0	3.291	34.937	6.25	3.096					
2450.0	3.255	34.938	6.22	3.055					
2500.0	3.236	34.941	6.20	3.031					
2550.0	3.213	34.943	6.19	3.004					
2600.0	3.177	34.946	6.14	2.963					
2650.0	3.148	34.948	6.13	2.930					
2700.0	3.122	34.952	6.08	2.899					
2750.0	3.083	34.952	6.06	2.856					
2800.0	3.047	34.952	6.04	2.816					
2850.0	3.009	34.951	6.01	2.774					
2900.0	2.984	34.951	6.00	2.744					
2950.0	2.946	34.950	5.97	2.701					
3000.0	2.917	34.948	5.94	2.668					



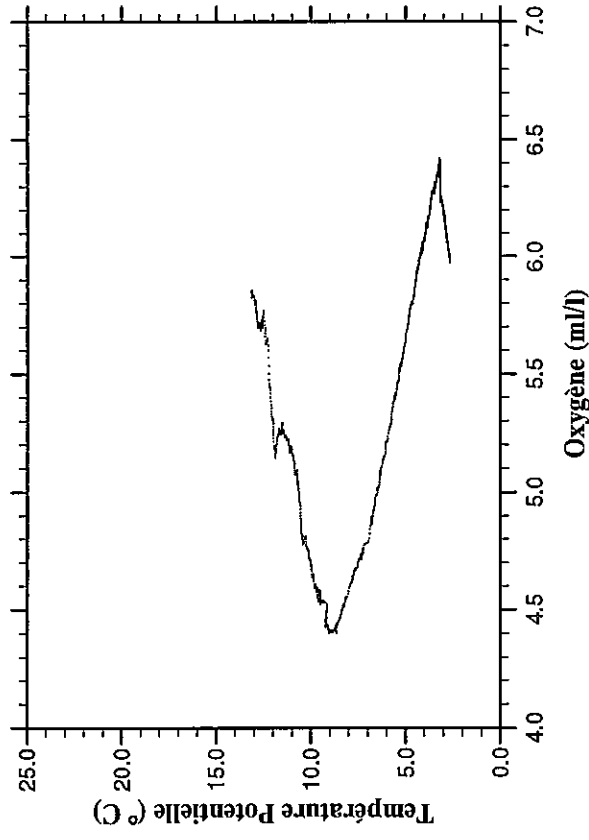
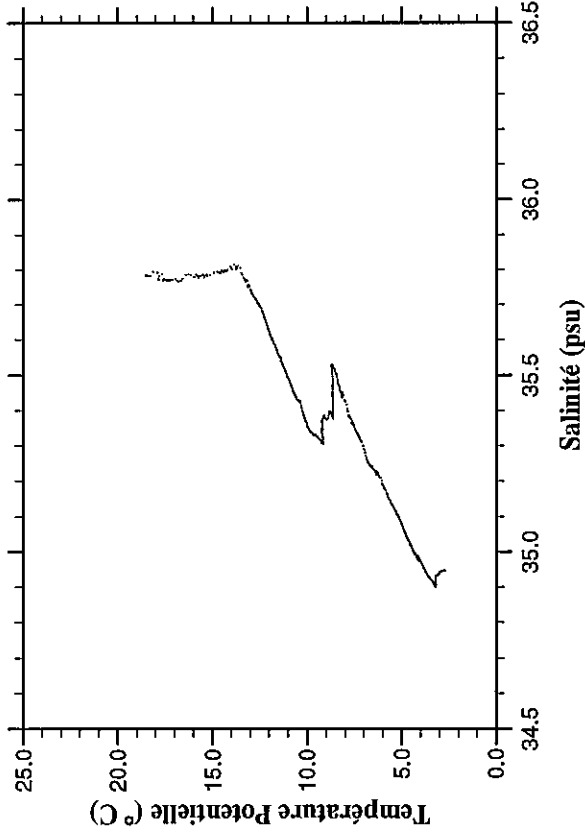
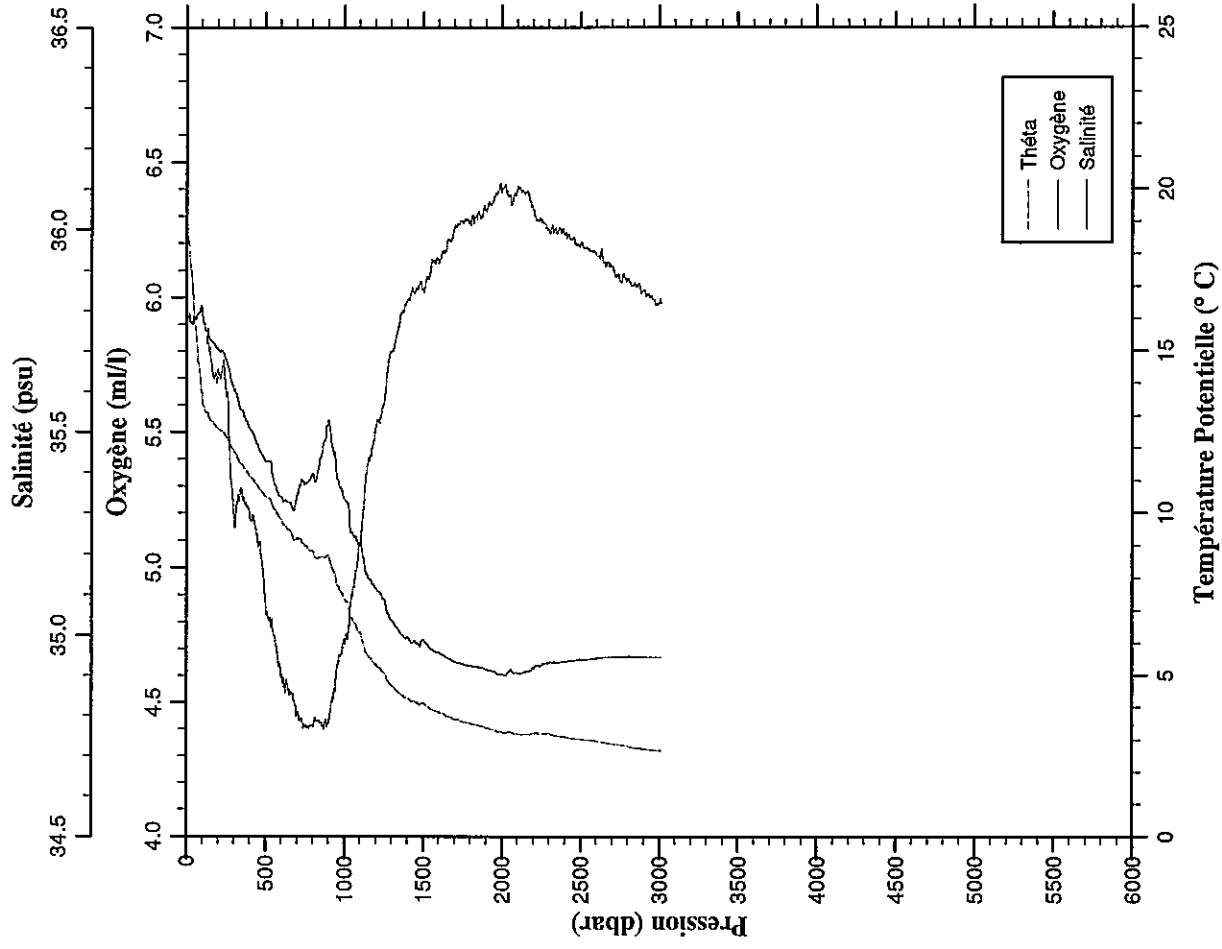
Station 40

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| Station      : 41          Campagne   : ARCANE 98      |
| Date        : 03-07-98   Navire     : LA THALASSA    |
| Profondeur  : 3016      Organisme  : IFREMER      |
| Position    : N 43 25.03 |
|              W 21 0.19  |
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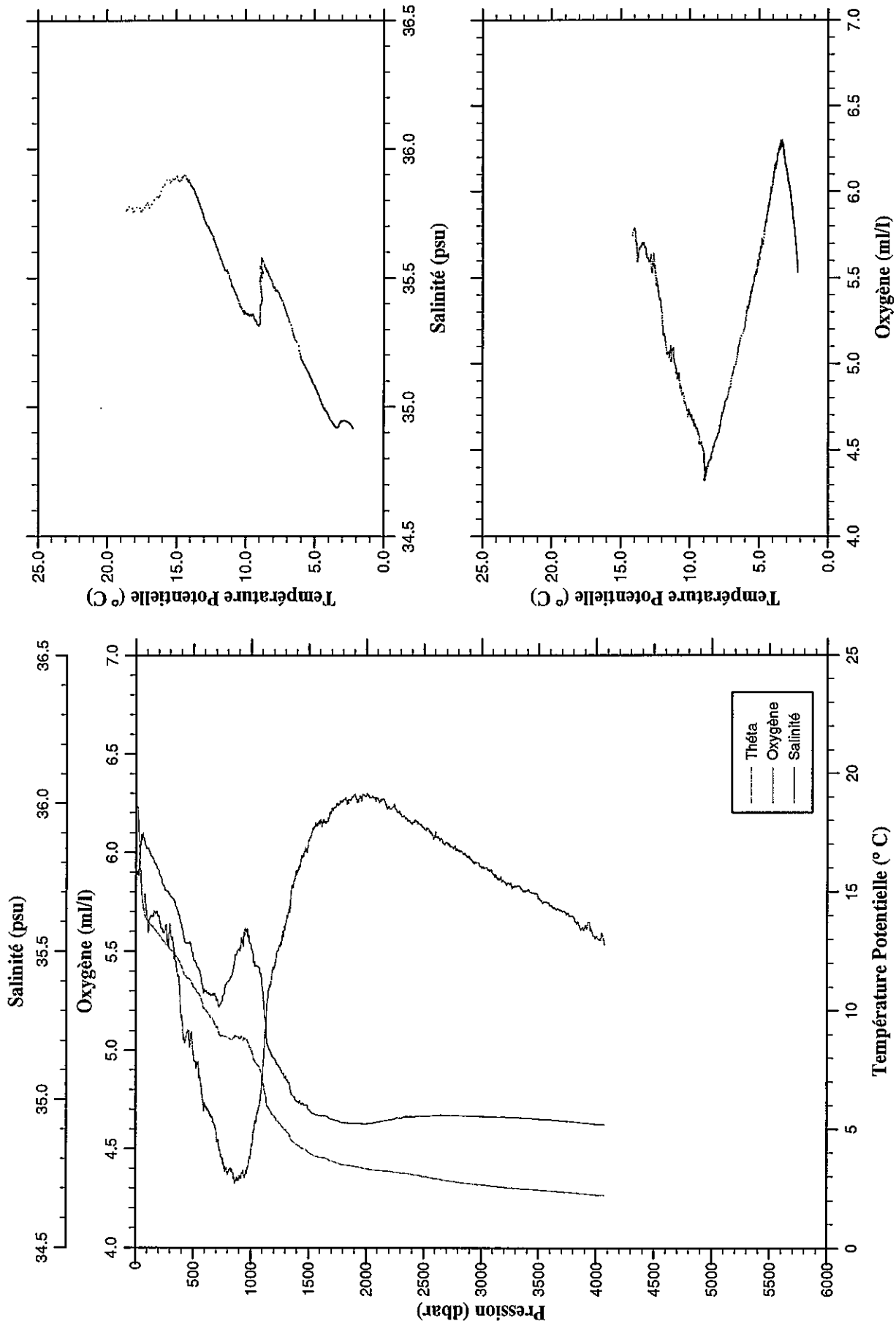
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.531	35.785	****	18.531	3010.0	2.923	34.946	5.98	2.673
10.0	18.533	35.784	****	18.531					
20.0	17.864	35.773	****	17.861					
30.0	17.420	35.770	****	17.415					
40.0	16.830	35.767	****	16.824					
50.0	15.812	35.784	****	15.804					
100.0	13.548	35.805	****	13.534					
150.0	12.905	35.725	5.78	12.885					
200.0	12.640	35.703	5.73	12.613					
250.0	12.416	35.682	5.63	12.382					
300.0	11.954	35.607	5.18	11.914					
350.0	11.562	35.556	5.28	11.516					
400.0	11.202	35.509	5.19	11.151					
450.0	10.922	35.470	5.09	10.865					
500.0	10.592	35.430	4.87	10.531					
550.0	10.262	35.386	4.76	10.196					
600.0	9.875	35.339	4.59	9.804					
650.0	9.580	35.327	4.53	9.505					
700.0	9.307	35.344	4.46	9.227					
750.0	9.089	35.374	4.41	9.004					
800.0	8.918	35.399	4.42	8.828					
850.0	8.748	35.436	4.42	8.653					
900.0	8.799	35.530	4.42	8.698					
950.0	7.980	35.401	4.61	7.879					
1000.0	7.471	35.336	4.74	7.368					
1050.0	6.890	35.251	4.89	6.786					
1100.0	6.462	35.229	5.09	6.356					
1150.0	5.740	35.147	5.38	5.635					
1200.0	5.454	35.117	5.52	5.347					
1250.0	5.209	35.088	5.60	5.100					
1300.0	4.812	35.038	5.80	4.701					
1350.0	4.559	35.010	5.91	4.446					
1400.0	4.424	34.997	5.99	4.309					
1450.0	4.309	34.984	6.02	4.190					
1500.0	4.270	34.989	6.03	4.146					
1550.0	4.078	34.966	6.11	3.952					
1600.0	3.995	34.958	6.13	3.865					
1650.0	3.875	34.945	6.20	3.742					
1700.0	3.783	34.935	6.27	3.647					
1750.0	3.718	34.929	6.28	3.578					
1800.0	3.657	34.924	6.27	3.513					
1850.0	3.608	34.922	6.32	3.461					
1900.0	3.525	34.915	6.32	3.374					
1950.0	3.463	34.910	6.37	3.309					
2000.0	3.404	34.905	6.40	3.246					
2050.0	3.415	34.914	6.38	3.252					
2100.0	3.353	34.906	6.41	3.186					
2150.0	3.347	34.909	6.39	3.175					
2200.0	3.389	34.923	6.33	3.212					
2250.0	3.372	34.926	6.29	3.190					
2300.0	3.379	34.933	6.25	3.192					
2350.0	3.319	34.933	6.24	3.128					
2400.0	3.289	34.935	6.23	3.093					
2450.0	3.257	34.938	6.22	3.058					
2500.0	3.220	34.940	6.20	3.016					
2550.0	3.209	34.941	6.18	3.001					
2600.0	3.173	34.943	6.16	2.960					
2650.0	3.144	34.946	6.13	2.926					
2700.0	3.105	34.947	6.11	2.883					
2750.0	3.075	34.947	6.06	2.849					
2800.0	3.034	34.948	6.07	2.803					
2850.0	2.989	34.947	6.04	2.754					
2900.0	2.967	34.946	6.03	2.727					
2950.0	2.940	34.946	6.01	2.696					
3000.0	2.930	34.946	5.98	2.681					



Station 41

Station	: 42	Campagne	: ARCANE 98
Date	: 04-07-98	Navire	: LA THALASSA
Profondeur	: 4016	Organisme	: IFREMER
Position	: N 43 7.50		
	W 21 30.00		

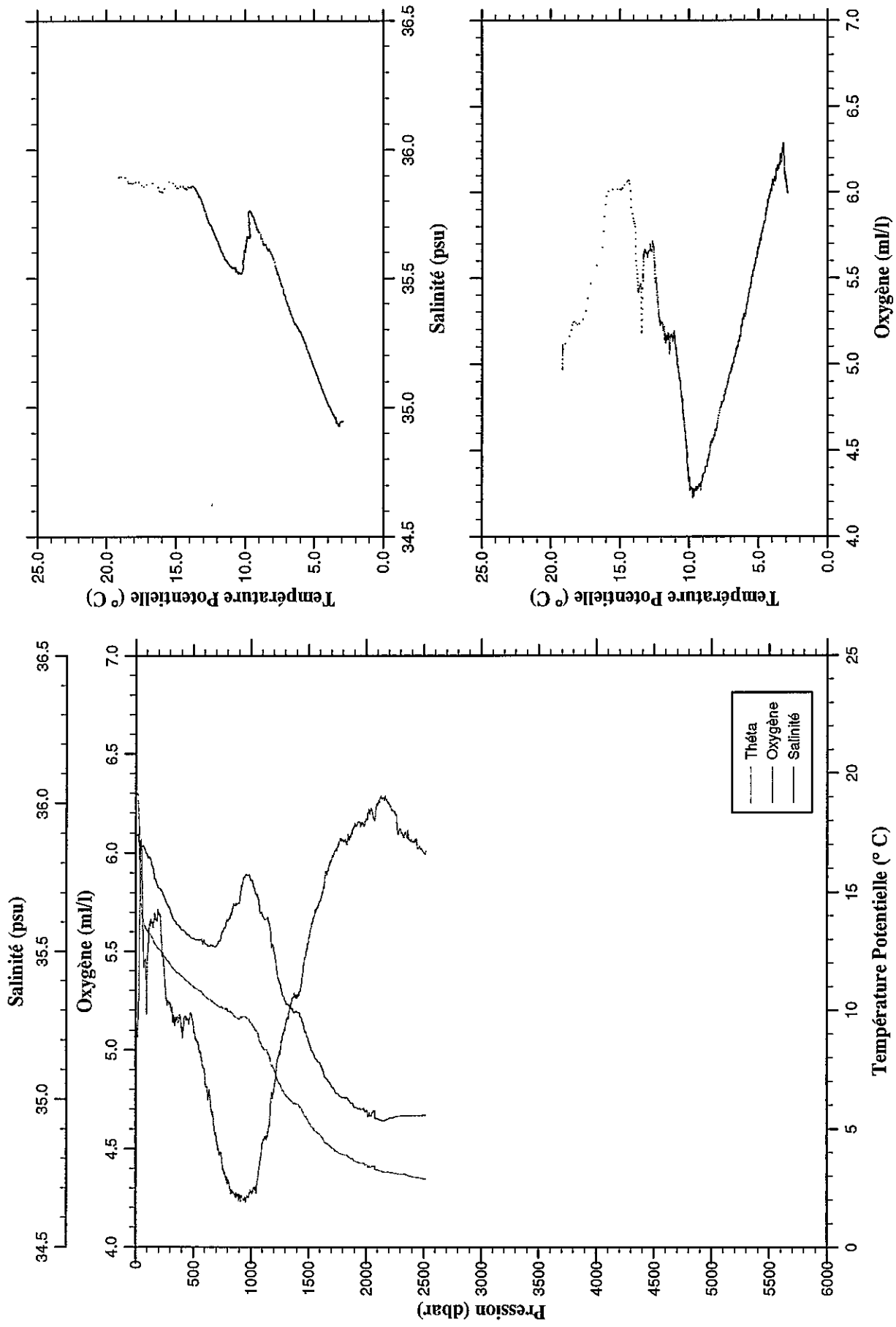
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.624	35.761	****	18.624	3050.0	2.882	34.943	5.91	2.628
10.0	18.625	35.761	****	18.623	3100.0	2.861	34.942	5.89	2.603
20.0	18.043	35.759	****	18.040	3150.0	2.836	34.941	5.87	2.573
30.0	16.962	35.774	****	16.957	3200.0	2.819	34.941	5.85	2.552
40.0	15.977	35.854	****	15.970	3250.0	2.800	34.940	5.84	2.527
50.0	14.936	35.888	****	14.928	3300.0	2.796	34.939	5.83	2.518
100.0	13.843	35.847	5.66	13.828	3350.0	2.774	34.938	5.81	2.491
150.0	13.547	35.813	5.68	13.525	3400.0	2.767	34.937	5.81	2.479
200.0	13.234	35.766	5.68	13.206	3450.0	2.750	34.936	5.79	2.457
250.0	12.898	35.711	5.60	12.863	3500.0	2.728	34.935	5.77	2.430
300.0	12.629	35.685	5.61	12.588	3550.0	2.721	34.933	5.75	2.418
350.0	12.352	35.650	5.44	12.305	3600.0	2.711	34.932	5.73	2.402
400.0	11.889	35.579	5.17	11.836	3650.0	2.696	34.931	5.71	2.382
450.0	11.451	35.530	5.10	11.393	3700.0	2.682	34.929	5.70	2.363
500.0	11.078	35.475	4.98	11.015	3750.0	2.666	34.927	5.69	2.342
550.0	10.786	35.438	4.86	10.718	3800.0	2.654	34.926	5.67	2.325
600.0	10.145	35.370	4.72	10.073	3850.0	2.631	34.923	5.63	2.296
650.0	9.803	35.354	4.66	9.727	3900.0	2.620	34.922	5.63	2.280
700.0	9.398	35.333	4.56	9.318	3950.0	2.600	34.920	5.61	2.254
750.0	9.027	35.334	4.45	8.942	4000.0	2.582	34.917	5.57	2.232
800.0	8.967	35.399	4.38	8.876	4050.0	2.585	34.917	5.58	2.228
850.0	8.969	35.449	4.35	8.872	4067.0	2.585	34.917	5.53	2.227
900.0	8.936	35.502	4.36	8.834					
950.0	8.942	35.573	4.37	8.834					
1000.0	8.443	35.514	4.50	8.333					
1050.0	7.867	35.454	4.67	7.756					
1100.0	7.214	35.375	4.86	7.102					
1150.0	6.022	35.177	5.30	5.915					
1200.0	5.669	35.141	5.42	5.560					
1250.0	5.365	35.107	5.53	5.254					
1300.0	5.088	35.080	5.64	4.975					
1350.0	4.654	35.019	5.83	4.541					
1400.0	4.463	34.996	5.91	4.347					
1450.0	4.314	34.987	5.99	4.195					
1500.0	4.136	34.965	6.06	4.015					
1550.0	4.015	34.952	6.13	3.890					
1600.0	3.939	34.946	6.16	3.810					
1650.0	3.902	34.945	6.15	3.769					
1700.0	3.801	34.935	6.23	3.665					
1750.0	3.728	34.929	6.24	3.588					
1800.0	3.658	34.924	6.27	3.514					
1850.0	3.629	34.921	6.26	3.481					
1900.0	3.589	34.921	6.29	3.437					
1950.0	3.557	34.920	6.28	3.401					
2000.0	3.501	34.919	6.29	3.341					
2050.0	3.468	34.921	6.29	3.304					
2100.0	3.439	34.926	6.27	3.270					
2150.0	3.423	34.929	6.27	3.250					
2200.0	3.411	34.932	6.22	3.233					
2250.0	3.386	34.937	6.22	3.204					
2300.0	3.337	34.938	6.19	3.150					
2350.0	3.327	34.942	6.17	3.136					
2400.0	3.296	34.943	6.15	3.100					
2450.0	3.262	34.944	6.15	3.062					
2500.0	3.208	34.944	6.12	3.005					
2550.0	3.175	34.946	6.11	2.967					
2600.0	3.137	34.947	6.11	2.924					
2650.0	3.099	34.948	6.07	2.882					
2700.0	3.064	34.948	6.04	2.843					
2750.0	3.025	34.947	6.03	2.800					
2800.0	2.998	34.947	6.01	2.768					
2850.0	2.967	34.945	5.99	2.732					
2900.0	2.943	34.945	5.97	2.704					
2950.0	2.925	34.944	5.95	2.681					
3000.0	2.904	34.944	5.92	2.655					



Station 42

Station	: 43	Campagne	: ARCANE 98
Date	: 04-07-98	Navire	: LA THALASSA
Profondeur	: 2506	Organisme	: IFREMER
Position	: N 42 45.02		
	W 21 3.97		

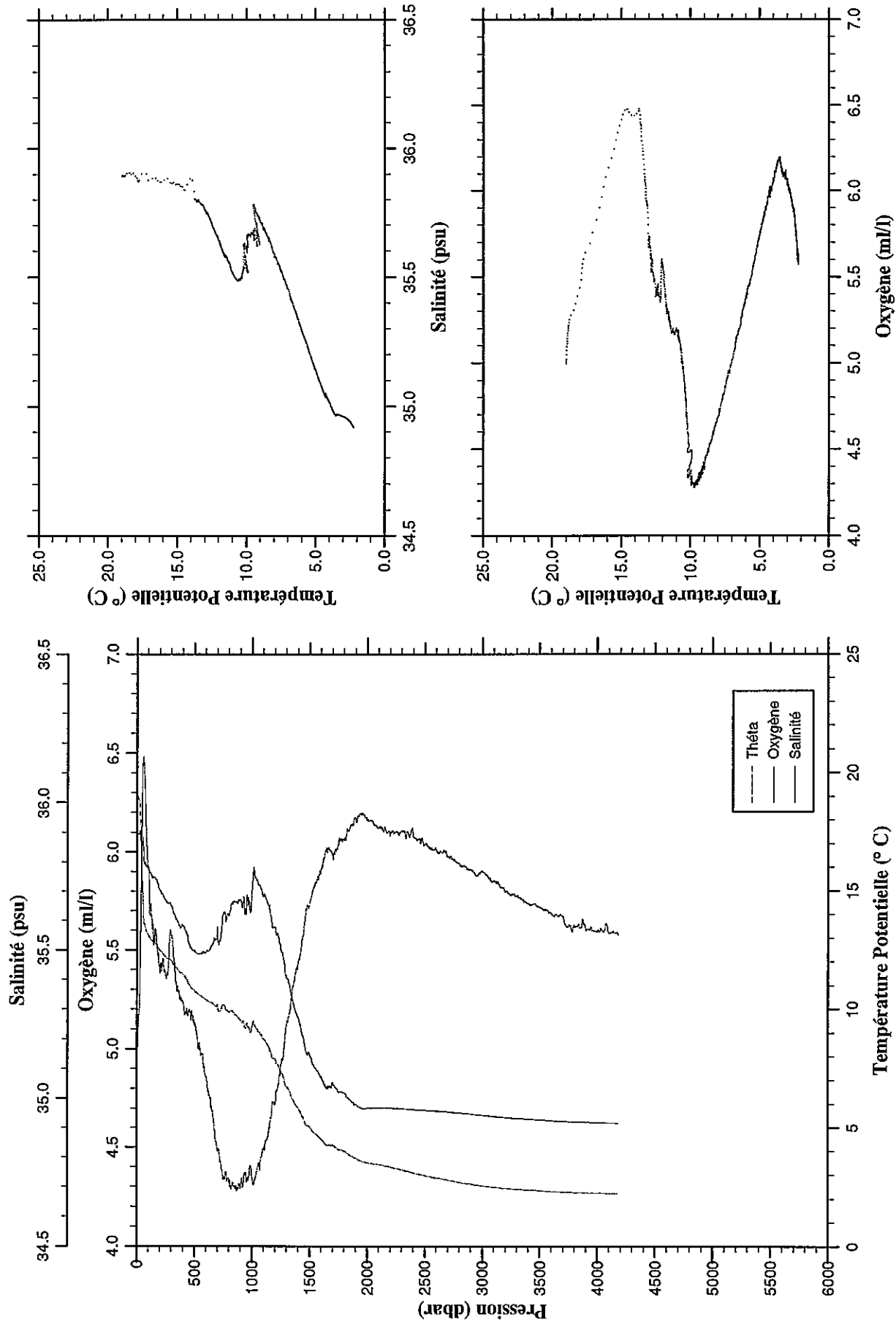
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.151	35.894	4.97	19.151
10.0	19.155	35.893	5.11	19.154
20.0	18.663	35.893	5.16	18.660
30.0	17.322	35.857	5.38	17.317
40.0	15.198	35.872	6.02	15.192
50.0	14.240	35.846	5.96	14.232
100.0	13.382	35.820	5.38	13.368
150.0	13.036	35.781	5.62	13.016
200.0	12.650	35.716	5.69	12.623
250.0	12.310	35.679	5.36	12.276
300.0	11.972	35.635	5.24	11.933
350.0	11.673	35.595	5.15	11.627
400.0	11.491	35.573	5.12	11.440
450.0	11.278	35.557	5.15	11.221
500.0	11.080	35.546	5.12	11.016
550.0	10.915	35.539	4.99	10.846
600.0	10.692	35.528	4.87	10.617
650.0	10.529	35.523	4.73	10.448
700.0	10.325	35.522	4.55	10.239
750.0	10.222	35.570	4.42	10.131
800.0	10.064	35.603	4.35	9.967
850.0	9.892	35.658	4.28	9.790
900.0	9.746	35.669	4.26	9.638
950.0	9.863	35.760	4.24	9.748
1000.0	9.590	35.740	4.29	9.471
1050.0	9.240	35.688	4.32	9.118
1100.0	8.587	35.622	4.53	8.463
1150.0	8.297	35.605	4.58	8.170
1200.0	7.632	35.497	4.81	7.505
1250.0	7.029	35.392	4.98	6.902
1300.0	6.577	35.329	5.13	6.449
1350.0	6.319	35.306	5.23	6.188
1400.0	6.185	35.294	5.26	6.050
1450.0	5.869	35.257	5.39	5.732
1500.0	5.438	35.196	5.57	5.301
1550.0	5.095	35.146	5.69	4.957
1600.0	4.941	35.122	5.76	4.800
1650.0	4.577	35.071	5.90	4.436
1700.0	4.371	35.044	5.97	4.227
1750.0	4.205	35.020	6.03	4.059
1800.0	4.090	35.008	6.07	3.940
1850.0	3.981	34.998	6.07	3.828
1900.0	3.807	34.973	6.15	3.652
1950.0	3.734	34.967	6.15	3.575
2000.0	3.668	34.960	6.17	3.506
2050.0	3.608	34.957	6.21	3.441
2100.0	3.445	34.935	6.26	3.276
2150.0	3.365	34.928	6.28	3.193
2200.0	3.361	34.936	6.25	3.184
2250.0	3.322	34.941	6.20	3.141
2300.0	3.294	34.944	6.10	3.108
2350.0	3.268	34.945	6.08	3.078
2400.0	3.191	34.945	6.06	2.998
2450.0	3.151	34.946	6.02	2.953
2500.0	3.102	34.946	6.00	2.900
2517.0	3.098	34.947	6.01	2.894



Station 43

Station	: 44	Campagne	: ARCANE 98
Date	: 04-07-98	Navire	: LA THALASSA
Profondeur	: 4126	Organisme	: IFREMER
Position	: N 42 22.51		
	W 20 37.96		

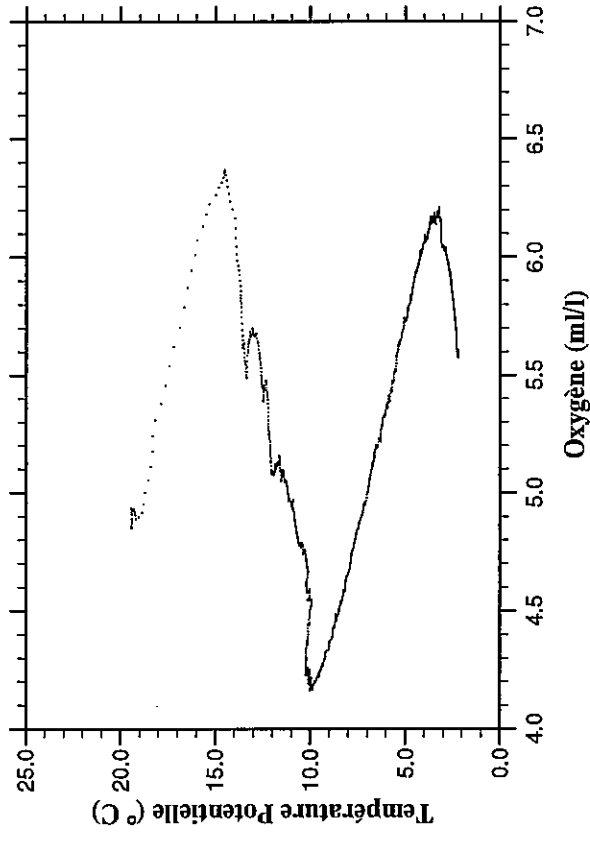
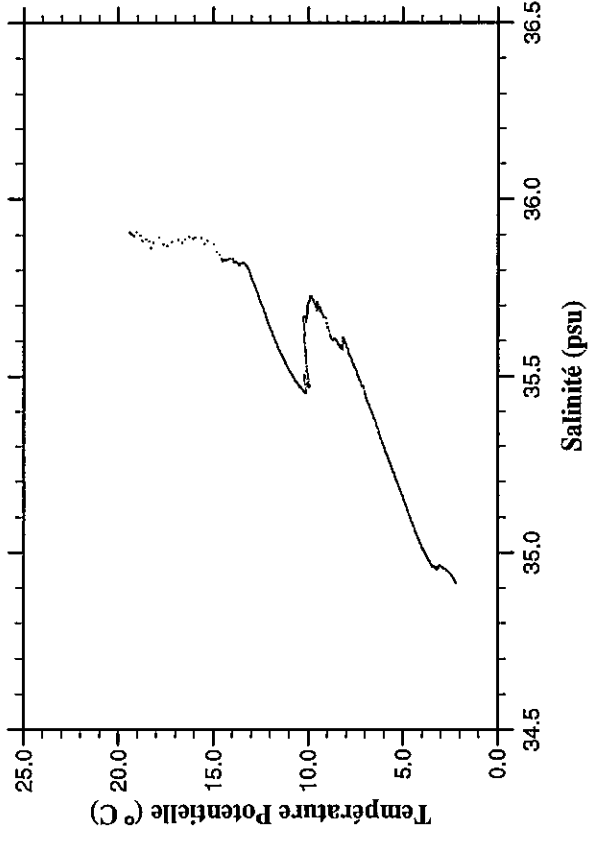
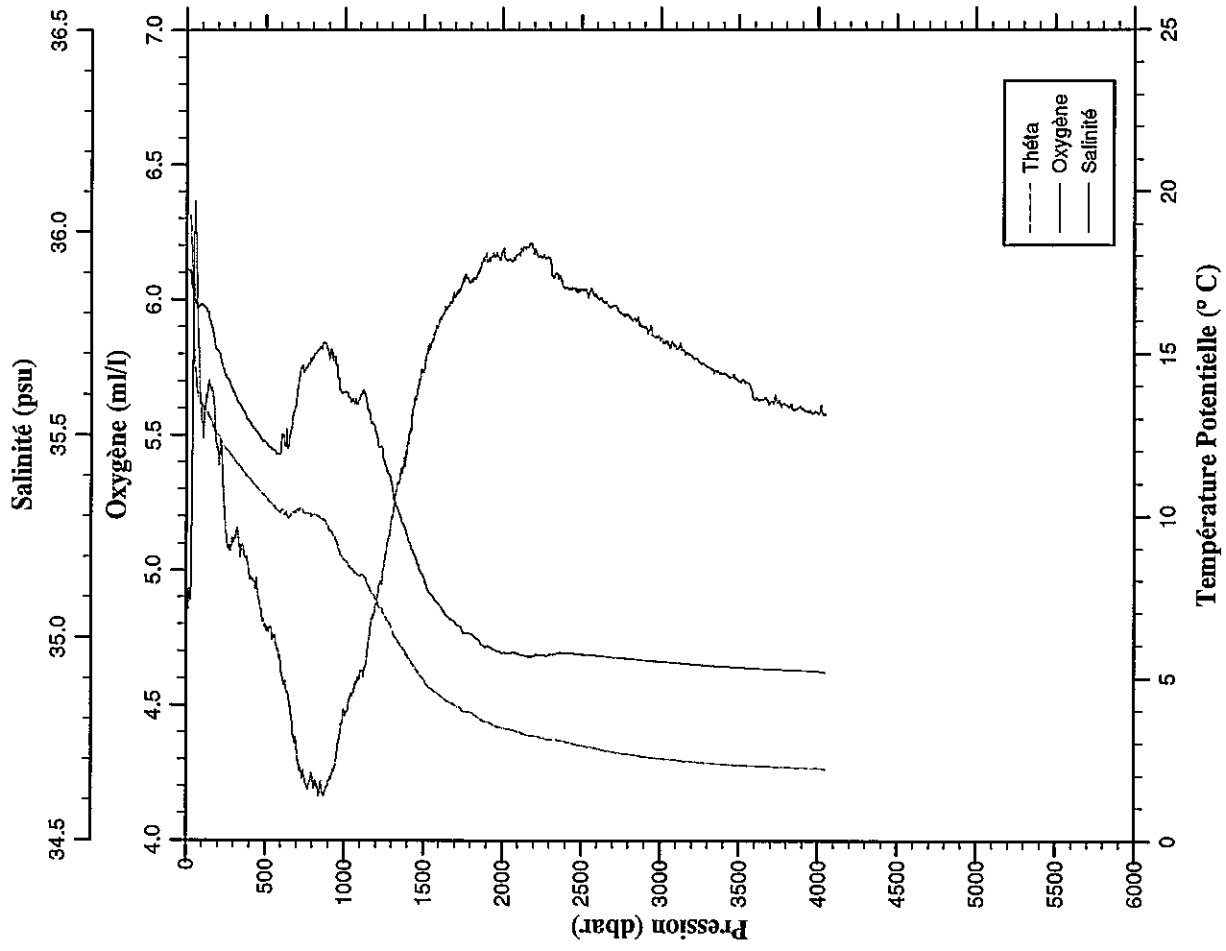
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.002	35.893	5.02	19.002	3050.0	2.768	34.941	5.87	2.517
10.0	18.957	35.893	5.07	18.955	3100.0	2.744	34.940	5.85	2.488
20.0	18.844	35.894	5.21	18.840	3150.0	2.726	34.937	5.82	2.465
30.0	17.886	35.875	5.52	17.881	3200.0	2.705	34.936	5.79	2.440
40.0	16.274	35.869	6.02	16.268	3250.0	2.691	34.934	5.78	2.420
50.0	14.771	35.852	6.47	14.763	3300.0	2.682	34.933	5.77	2.406
100.0	13.121	35.776	5.92	13.107	3350.0	2.670	34.932	5.76	2.390
150.0	12.855	35.748	5.54	12.834	3400.0	2.658	34.930	5.74	2.372
200.0	12.530	35.704	5.40	12.502	3450.0	2.650	34.929	5.74	2.359
250.0	12.257	35.669	5.36	12.223	3500.0	2.643	34.928	5.72	2.347
300.0	12.083	35.648	5.58	12.044	3550.0	2.630	34.926	5.71	2.329
350.0	11.753	35.599	5.32	11.707	3600.0	2.620	34.925	5.69	2.314
400.0	11.540	35.582	5.24	11.489	3650.0	2.612	34.924	5.68	2.301
450.0	11.121	35.524	5.19	11.064	3700.0	2.607	34.923	5.67	2.290
500.0	10.846	35.497	5.12	10.784	3750.0	2.602	34.922	5.63	2.280
550.0	10.662	35.489	4.99	10.594	3800.0	2.601	34.921	5.62	2.273
600.0	10.478	35.494	4.86	10.404	3850.0	2.599	34.921	5.61	2.265
650.0	10.368	35.516	4.70	10.289	3900.0	2.599	34.920	5.60	2.259
700.0	10.170	35.554	4.49	10.085	3950.0	2.598	34.919	5.60	2.252
750.0	10.277	35.625	4.35	10.185	4000.0	2.595	34.919	5.60	2.244
800.0	9.963	35.619	4.32	9.867	4050.0	2.596	34.918	5.59	2.239
850.0	9.882	35.664	4.30	9.780	4100.0	2.596	34.917	5.59	2.234
900.0	9.660	35.670	4.30	9.553	4150.0	2.597	34.917	5.59	2.228
950.0	9.499	35.662	4.34	9.388	4178.0	2.595	34.917	5.57	2.223
1000.0	9.407	35.709	4.34	9.289					
1050.0	9.194	35.726	4.40	9.072					
1100.0	8.879	35.687	4.49	8.753					
1150.0	8.508	35.654	4.60	8.380					
1200.0	8.027	35.576	4.72	7.896					
1250.0	7.456	35.498	4.92	7.325					
1300.0	6.851	35.406	5.13	6.720					
1350.0	6.348	35.330	5.31	6.217					
1400.0	5.997	35.272	5.44	5.865					
1450.0	5.456	35.188	5.62	5.324					
1500.0	5.150	35.144	5.74	5.016					
1550.0	4.875	35.102	5.85	4.739					
1600.0	4.659	35.070	5.91	4.522					
1650.0	4.435	35.040	6.00	4.296					
1700.0	4.409	35.051	5.98	4.265					
1750.0	4.208	35.022	6.05	4.062					
1800.0	4.162	35.018	6.06	4.012					
1850.0	3.987	34.994	6.12	3.834					
1900.0	3.874	34.981	6.17	3.718					
1950.0	3.742	34.968	6.19	3.583					
2000.0	3.695	34.968	6.17	3.532					
2050.0	3.633	34.968	6.15	3.467					
2100.0	3.610	34.969	6.12	3.439					
2150.0	3.559	34.970	6.13	3.384					
2200.0	3.520	34.968	6.10	3.341					
2250.0	3.462	34.967	6.10	3.279					
2300.0	3.405	34.966	6.11	3.218					
2350.0	3.351	34.965	6.10	3.159					
2400.0	3.286	34.963	6.07	3.091					
2450.0	3.230	34.961	6.06	3.031					
2500.0	3.188	34.961	6.04	2.985					
2550.0	3.140	34.960	6.02	2.932					
2600.0	3.097	34.958	6.00	2.885					
2650.0	3.058	34.957	6.00	2.842					
2700.0	3.014	34.955	5.97	2.794					
2750.0	2.960	34.953	5.96	2.736					
2800.0	2.918	34.951	5.94	2.690					
2850.0	2.886	34.949	5.92	2.653					
2900.0	2.861	34.948	5.91	2.624					
2950.0	2.820	34.946	5.88	2.579					
3000.0	2.798	34.944	5.90	2.551					



Station 44

Station	: 45	Campagne	: ARCANE 98
Date	: 04-07-98	Navire	: LA THALASSA
Profondeur	: 3989	Organisme	: IFREMER
Position	: N 42 0.24		
	W 20 11.84		

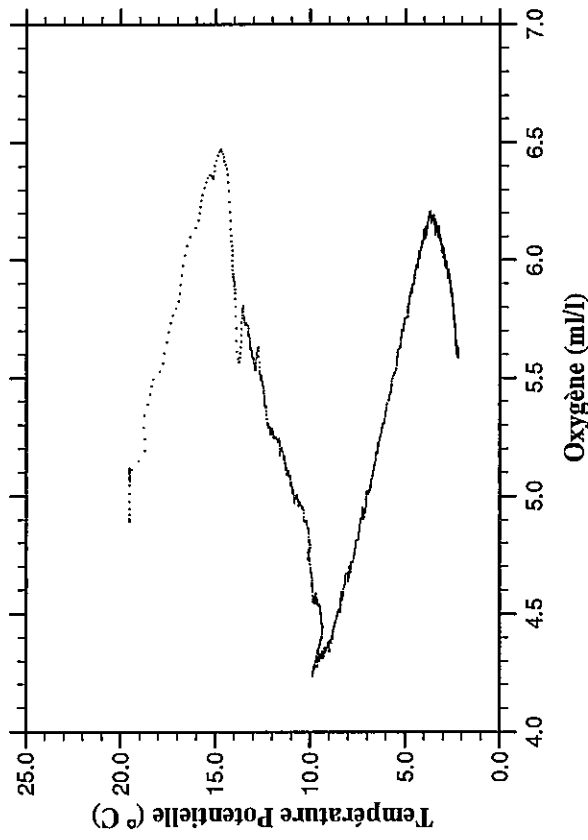
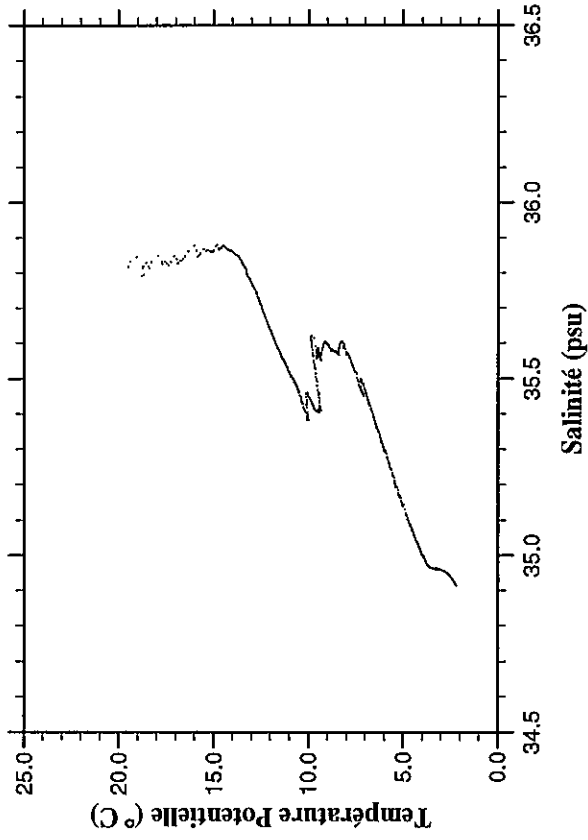
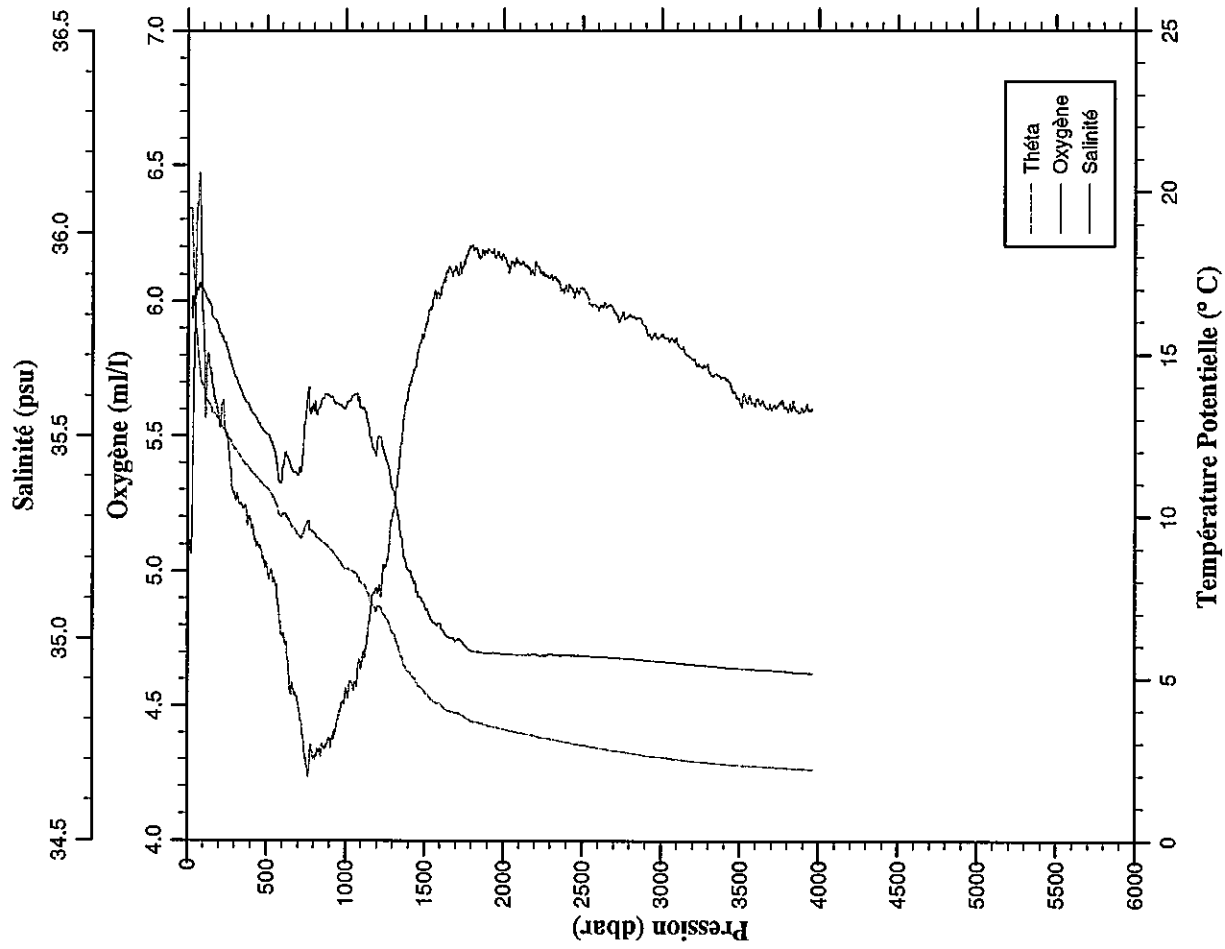
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.417	35.906	4.88	19.416	3050.0	2.773	34.942	5.84	2.521
10.0	19.435	35.906	4.89	19.433	3100.0	2.756	34.940	5.82	2.500
20.0	19.307	35.902	4.93	19.303	3150.0	2.731	34.938	5.81	2.471
30.0	18.729	35.881	5.00	18.724	3200.0	2.714	34.937	5.79	2.448
40.0	16.886	35.885	5.70	16.879	3250.0	2.696	34.935	5.77	2.426
50.0	14.843	35.852	6.30	14.835	3300.0	2.681	34.933	5.75	2.405
100.0	13.456	35.821	5.55	13.442	3350.0	2.671	34.932	5.74	2.391
150.0	13.053	35.780	5.68	13.032	3400.0	2.659	34.930	5.73	2.374
200.0	12.532	35.707	5.46	12.505	3450.0	2.649	34.929	5.71	2.358
250.0	12.110	35.645	5.13	12.077	3500.0	2.644	34.928	5.70	2.348
300.0	11.831	35.606	5.12	11.792	3550.0	2.636	34.927	5.69	2.335
350.0	11.513	35.567	5.09	11.468	3600.0	2.627	34.926	5.63	2.320
400.0	11.222	35.533	4.97	11.172	3650.0	2.623	34.925	5.63	2.311
450.0	10.947	35.508	4.93	10.891	3700.0	2.618	34.924	5.62	2.300
500.0	10.687	35.484	4.80	10.626	3750.0	2.614	34.923	5.63	2.291
550.0	10.411	35.465	4.76	10.344	3800.0	2.610	34.923	5.61	2.281
600.0	10.259	35.477	4.63	10.187	3850.0	2.607	34.922	5.59	2.272
650.0	10.059	35.486	4.52	9.981	3900.0	2.603	34.921	5.60	2.264
700.0	10.310	35.606	4.32	10.225	3950.0	2.599	34.920	5.59	2.254
750.0	10.191	35.664	4.23	10.100	4000.0	2.594	34.918	5.58	2.243
800.0	10.138	35.688	4.22	10.041	4046.0	2.563	34.915	5.58	2.208
850.0	10.057	35.717	4.22	9.954					
900.0	9.721	35.695	4.22	9.614					
950.0	9.327	35.672	4.31	9.216					
1000.0	8.772	35.607	4.47	8.659					
1050.0	8.493	35.590	4.54	8.377					
1100.0	8.299	35.598	4.62	8.178					
1150.0	7.975	35.561	4.72	7.851					
1200.0	7.557	35.506	4.87	7.431					
1250.0	7.075	35.437	5.03	6.947					
1300.0	6.667	35.380	5.20	6.538					
1350.0	6.190	35.304	5.33	6.061					
1400.0	5.813	35.252	5.48	5.682					
1450.0	5.434	35.199	5.63	5.303					
1500.0	5.111	35.150	5.73	4.978					
1550.0	4.817	35.105	5.84	4.682					
1600.0	4.636	35.079	5.93	4.499					
1650.0	4.453	35.053	5.97	4.313					
1700.0	4.330	35.037	6.01	4.187					
1750.0	4.142	35.012	6.07	3.996					
1800.0	4.107	35.010	6.07	3.957					
1850.0	3.961	34.995	6.11	3.808					
1900.0	3.828	34.979	6.16	3.673					
1950.0	3.725	34.970	6.16	3.567					
2000.0	3.636	34.961	6.18	3.474					
2050.0	3.590	34.961	6.15	3.423					
2100.0	3.528	34.960	6.17	3.358					
2150.0	3.447	34.955	6.19	3.273					
2200.0	3.403	34.955	6.17	3.226					
2250.0	3.362	34.957	6.16	3.180					
2300.0	3.324	34.958	6.15	3.138					
2350.0	3.298	34.962	6.09	3.107					
2400.0	3.250	34.963	6.04	3.056					
2450.0	3.194	34.962	6.04	2.995					
2500.0	3.141	34.960	6.04	2.938					
2550.0	3.103	34.958	6.03	2.897					
2600.0	3.061	34.956	6.01	2.850					
2650.0	3.007	34.955	5.99	2.792					
2700.0	2.968	34.953	5.98	2.749					
2750.0	2.933	34.951	5.95	2.709					
2800.0	2.900	34.950	5.94	2.672					
2850.0	2.871	34.947	5.93	2.638					
2900.0	2.836	34.946	5.90	2.599					
2950.0	2.807	34.944	5.87	2.565					
3000.0	2.791	34.943	5.86	2.544					



Station 45

Station	: 46	Campagne	: ARCANE 98
Date	: 05-07-98	Navire	: LA THALASSA
Profondeur	: 3917	Organisme	: IFREMER
Position	: N 41 37.46		
	W 19 46.16		

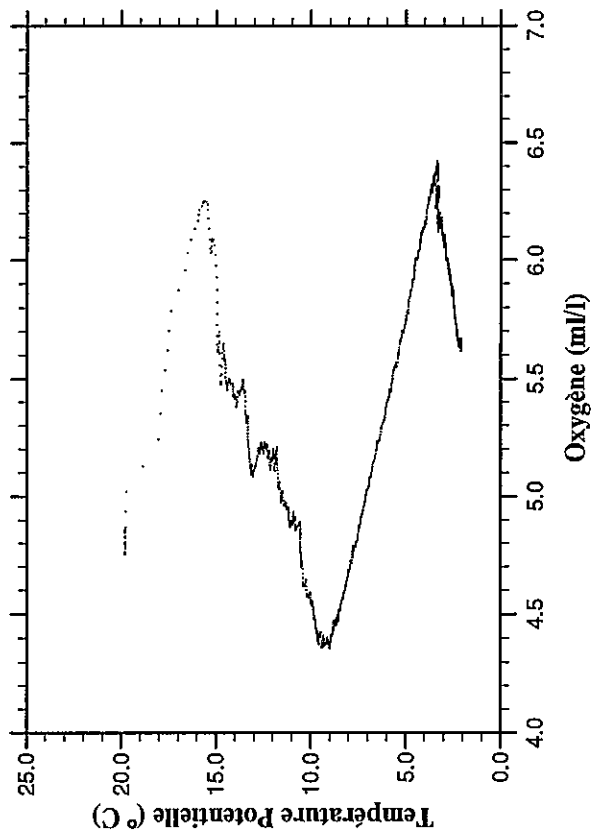
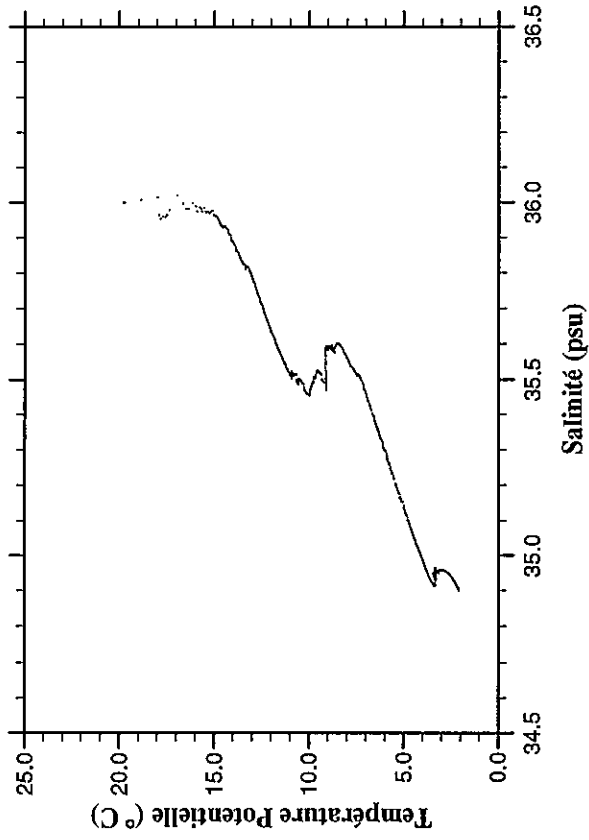
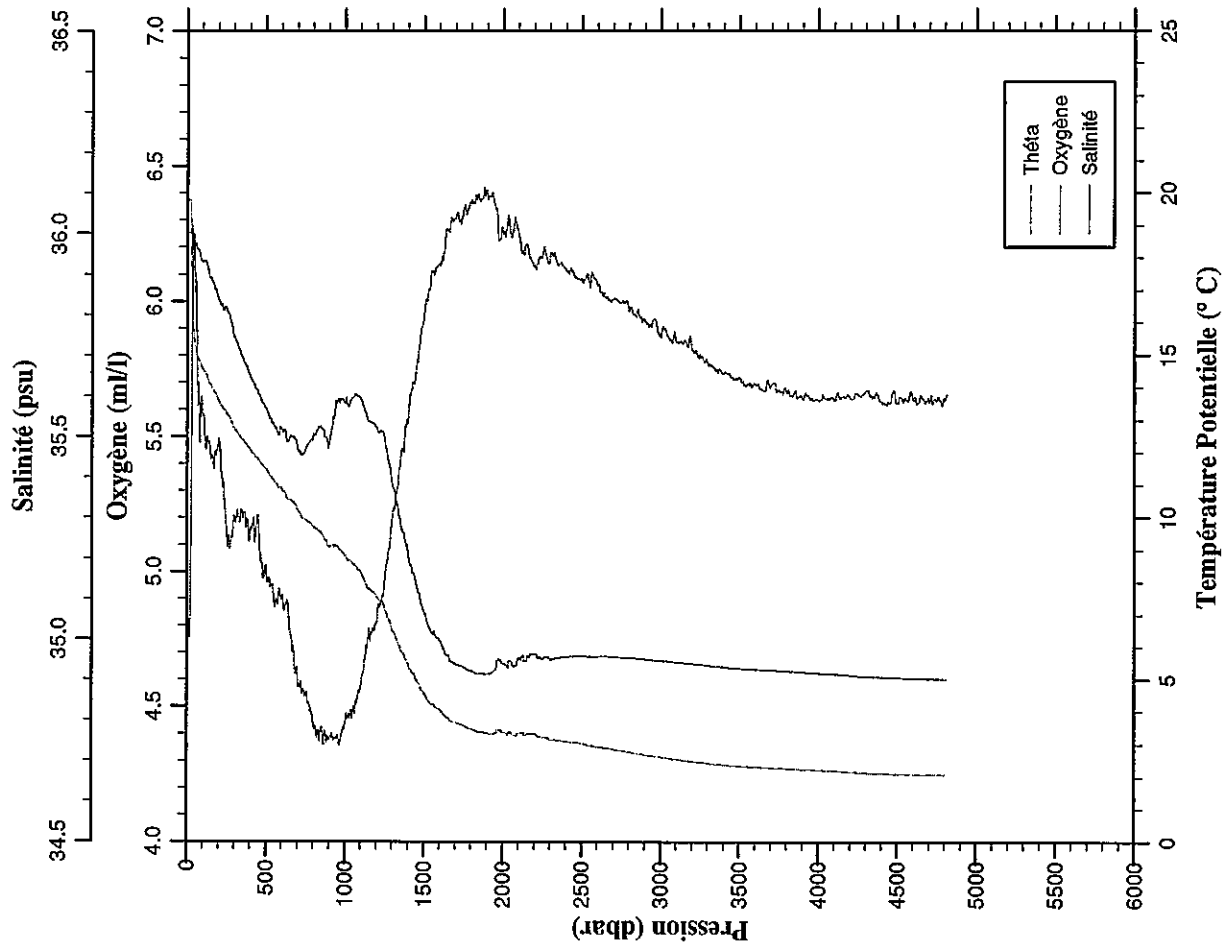
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.526	35.817	4.89	19.526	3050.0	2.796	34.943	5.85	2.545
10.0	19.530	35.816	5.09	19.528	3100.0	2.774	34.941	5.84	2.517
20.0	19.519	35.817	5.07	19.516	3150.0	2.751	34.939	5.81	2.490
30.0	18.764	35.814	5.34	18.758	3200.0	2.727	34.937	5.78	2.461
40.0	17.382	35.823	5.73	17.375	3250.0	2.708	34.935	5.76	2.437
50.0	16.365	35.862	6.10	16.357	3300.0	2.687	34.933	5.74	2.411
100.0	14.038	35.861	5.91	14.023	3350.0	2.672	34.932	5.73	2.392
150.0	13.402	35.817	5.73	13.380	3400.0	2.656	34.929	5.72	2.370
200.0	12.960	35.764	5.54	12.932	3450.0	2.636	34.928	5.67	2.346
250.0	12.607	35.716	5.51	12.573	3500.0	2.632	34.927	5.62	2.336
300.0	12.154	35.648	5.27	12.114	3550.0	2.619	34.925	5.63	2.318
350.0	11.779	35.598	5.23	11.733	3600.0	2.611	34.925	5.64	2.305
400.0	11.493	35.564	5.18	11.441	3650.0	2.609	34.924	5.62	2.297
450.0	11.215	35.531	5.09	11.158	3700.0	2.603	34.922	5.60	2.286
500.0	10.982	35.506	5.03	10.919	3750.0	2.593	34.922	5.63	2.270
550.0	10.600	35.463	4.96	10.533	3800.0	2.573	34.919	5.59	2.246
600.0	10.146	35.407	4.76	10.074	3850.0	2.555	34.917	5.60	2.222
650.0	9.889	35.430	4.57	9.812	3900.0	2.556	34.916	5.59	2.218
700.0	9.530	35.406	4.50	9.448	3950.0	2.545	34.915	5.60	2.202
750.0	9.830	35.552	4.29	9.741	3959.0	2.545	34.915	5.60	2.200
800.0	9.574	35.568	4.31	9.481					
850.0	9.341	35.593	4.36	9.242					
900.0	9.126	35.598	4.38	9.022					
950.0	8.833	35.580	4.45	8.725					
1000.0	8.510	35.570	4.56	8.399					
1050.0	8.432	35.601	4.56	8.316					
1100.0	8.107	35.575	4.66	7.987					
1150.0	7.683	35.521	4.81	7.561					
1200.0	7.374	35.489	4.93	7.249					
1250.0	7.060	35.453	5.02	6.932					
1300.0	6.556	35.366	5.21	6.428					
1350.0	5.846	35.251	5.47	5.720					
1400.0	5.341	35.167	5.68	5.216					
1450.0	5.002	35.117	5.79	4.875					
1500.0	4.751	35.082	5.89	4.622					
1550.0	4.466	35.042	6.00	4.336					
1600.0	4.384	35.036	6.02	4.250					
1650.0	4.164	35.005	6.12	4.028					
1700.0	4.086	34.997	6.13	3.946					
1750.0	3.976	34.984	6.14	3.833					
1800.0	3.839	34.969	6.20	3.693					
1850.0	3.797	34.967	6.17	3.647					
1900.0	3.719	34.964	6.19	3.565					
1950.0	3.671	34.966	6.16	3.513					
2000.0	3.613	34.963	6.17	3.451					
2050.0	3.563	34.962	6.14	3.397					
2100.0	3.514	34.962	6.14	3.344					
2150.0	3.466	34.961	6.13	3.292					
2200.0	3.425	34.963	6.14	3.247					
2250.0	3.367	34.959	6.11	3.185					
2300.0	3.334	34.962	6.10	3.148					
2350.0	3.283	34.960	6.07	3.093					
2400.0	3.244	34.960	6.04	3.049					
2450.0	3.197	34.960	6.02	2.998					
2500.0	3.166	34.959	6.04	2.963					
2550.0	3.120	34.958	5.99	2.913					
2600.0	3.094	34.957	5.97	2.882					
2650.0	3.046	34.956	5.98	2.830					
2700.0	3.002	34.954	5.96	2.782					
2750.0	2.971	34.953	5.95	2.746					
2800.0	2.941	34.951	5.95	2.712					
2850.0	2.913	34.950	5.94	2.679					
2900.0	2.868	34.947	5.90	2.630					
2950.0	2.842	34.945	5.87	2.600					
3000.0	2.824	34.945	5.88	2.577					



Station 46

Station	: 47	Campagne	: ARCANE 98
Date	: 05-07-98	Navire	: LA THALASSA
Profondeur	: 4738	Organisme	: IFREMER
Position	: N 41 14.99		
	W 19 19.98		

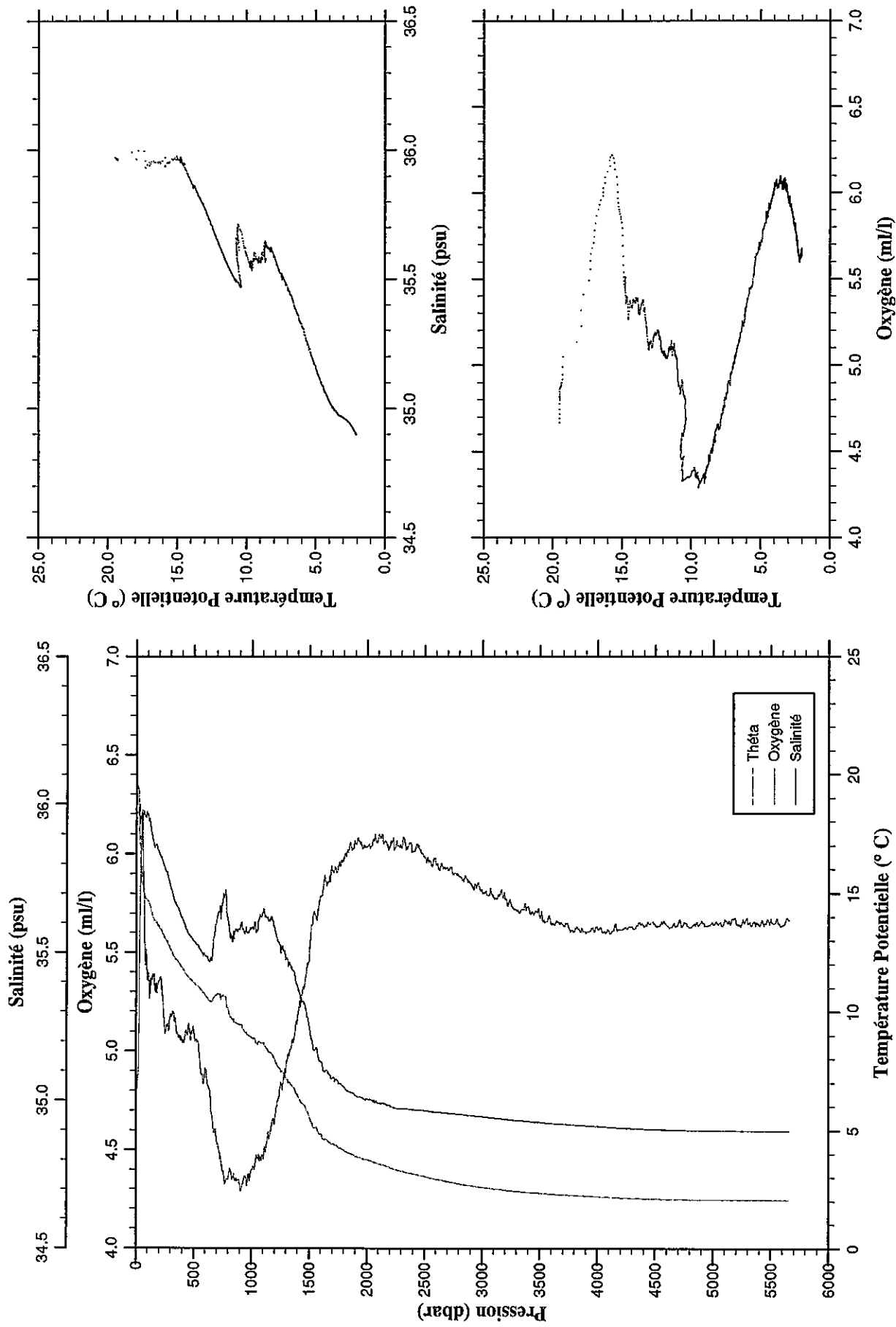
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.791	36.002	4.79	19.791	3050.0	2.853	34.946	5.87	2.600
10.0	19.793	36.003	4.85	19.791	3100.0	2.816	34.944	5.85	2.559
20.0	19.795	36.002	4.83	19.791	3150.0	2.789	34.942	5.86	2.527
30.0	17.502	35.966	5.70	17.497	3200.0	2.762	34.940	5.82	2.495
40.0	15.795	35.988	6.23	15.789	3250.0	2.743	34.938	5.79	2.471
50.0	15.325	35.971	6.05	15.318	3300.0	2.716	34.936	5.76	2.440
100.0	14.577	35.929	5.58	14.562	3350.0	2.693	34.933	5.75	2.412
150.0	14.107	35.893	5.43	14.085	3400.0	2.677	34.932	5.73	2.391
200.0	13.631	35.837	5.49	13.602	3450.0	2.658	34.930	5.72	2.367
250.0	13.269	35.817	5.15	13.234	3500.0	2.646	34.928	5.71	2.350
300.0	12.805	35.747	5.20	12.763	3550.0	2.638	34.927	5.70	2.336
350.0	12.459	35.695	5.22	12.411	3600.0	2.634	34.926	5.69	2.327
400.0	12.151	35.650	5.16	12.098	3650.0	2.627	34.925	5.67	2.314
450.0	11.846	35.606	5.19	11.786	3700.0	2.622	34.925	5.69	2.304
500.0	11.573	35.571	5.02	11.508	3750.0	2.612	34.923	5.67	2.289
550.0	11.228	35.529	4.90	11.158	3800.0	2.605	34.922	5.67	2.277
600.0	10.962	35.518	4.90	10.886	3850.0	2.600	34.921	5.67	2.266
650.0	10.641	35.499	4.79	10.561	3900.0	2.591	34.919	5.64	2.251
700.0	10.325	35.470	4.60	10.240	3950.0	2.584	34.919	5.64	2.239
750.0	10.038	35.470	4.55	9.948	4000.0	2.576	34.917	5.63	2.225
800.0	9.804	35.507	4.44	9.708	4050.0	2.570	34.915	5.64	2.214
850.0	9.613	35.521	4.42	9.513	4100.0	2.566	34.914	5.63	2.204
900.0	9.207	35.485	4.38	9.103	4150.0	2.559	34.914	5.65	2.191
950.0	9.230	35.586	4.38	9.120	4200.0	2.546	34.912	5.64	2.173
1000.0	8.940	35.583	4.44	8.826	4250.0	2.532	34.910	5.66	2.154
1050.0	8.718	35.596	4.49	8.600	4300.0	2.526	34.908	5.67	2.142
1100.0	8.451	35.595	4.57	8.328	4350.0	2.526	34.907	5.64	2.136
1150.0	7.947	35.539	4.78	7.823	4400.0	2.523	34.907	5.63	2.127
1200.0	7.695	35.521	4.81	7.568	4450.0	2.521	34.906	5.62	2.119
1250.0	7.376	35.499	4.95	7.246	4500.0	2.519	34.905	5.62	2.111
1300.0	6.658	35.382	5.21	6.529	4550.0	2.517	34.905	5.64	2.103
1350.0	6.124	35.296	5.41	5.995	4600.0	2.518	34.904	5.64	2.098
1400.0	5.581	35.207	5.57	5.453	4650.0	2.520	34.903	5.65	2.094
1450.0	5.142	35.137	5.75	5.013	4700.0	2.522	34.902	5.63	2.090
1500.0	4.698	35.069	5.95	4.569	4750.0	2.523	34.902	5.64	2.084
1550.0	4.368	35.017	6.11	4.239	4800.0	2.525	34.901	5.63	2.080
1600.0	4.199	34.996	6.14	4.067	4812.0	2.526	34.902	5.66	2.080
1650.0	3.956	34.959	6.26	3.823					
1700.0	3.808	34.939	6.31	3.671					
1750.0	3.727	34.931	6.34	3.587					
1800.0	3.622	34.921	6.37	3.479					
1850.0	3.549	34.914	6.38	3.402					
1900.0	3.501	34.914	6.39	3.350					
1950.0	3.503	34.924	6.35	3.347					
2000.0	3.545	34.939	6.25	3.384					
2050.0	3.538	34.946	6.25	3.373					
2100.0	3.530	34.954	6.24	3.360					
2150.0	3.471	34.947	6.21	3.297					
2200.0	3.517	34.964	6.13	3.337					
2250.0	3.406	34.951	6.17	3.224					
2300.0	3.350	34.951	6.18	3.163					
2350.0	3.335	34.955	6.14	3.144					
2400.0	3.302	34.957	6.11	3.107					
2450.0	3.280	34.959	6.10	3.080					
2500.0	3.250	34.959	6.08	3.045					
2550.0	3.195	34.957	6.05	2.986					
2600.0	3.150	34.957	6.06	2.937					
2650.0	3.121	34.959	6.02	2.903					
2700.0	3.086	34.958	6.01	2.865					
2750.0	3.051	34.956	6.00	2.825					
2800.0	3.012	34.955	5.96	2.781					
2850.0	2.969	34.953	5.96	2.735					
2900.0	2.943	34.952	5.93	2.704					
2950.0	2.902	34.949	5.93	2.659					
3000.0	2.885	34.948	5.87	2.636					



Station 47

Station	: 48	Campagne	: ARCANE 98
Date	: 05-07-98	Navire	: LA THALASSA
Profondeur	: 5581	Organisme	: IFREMER
Position	: N 40 52.58		
	W 18 54.19		

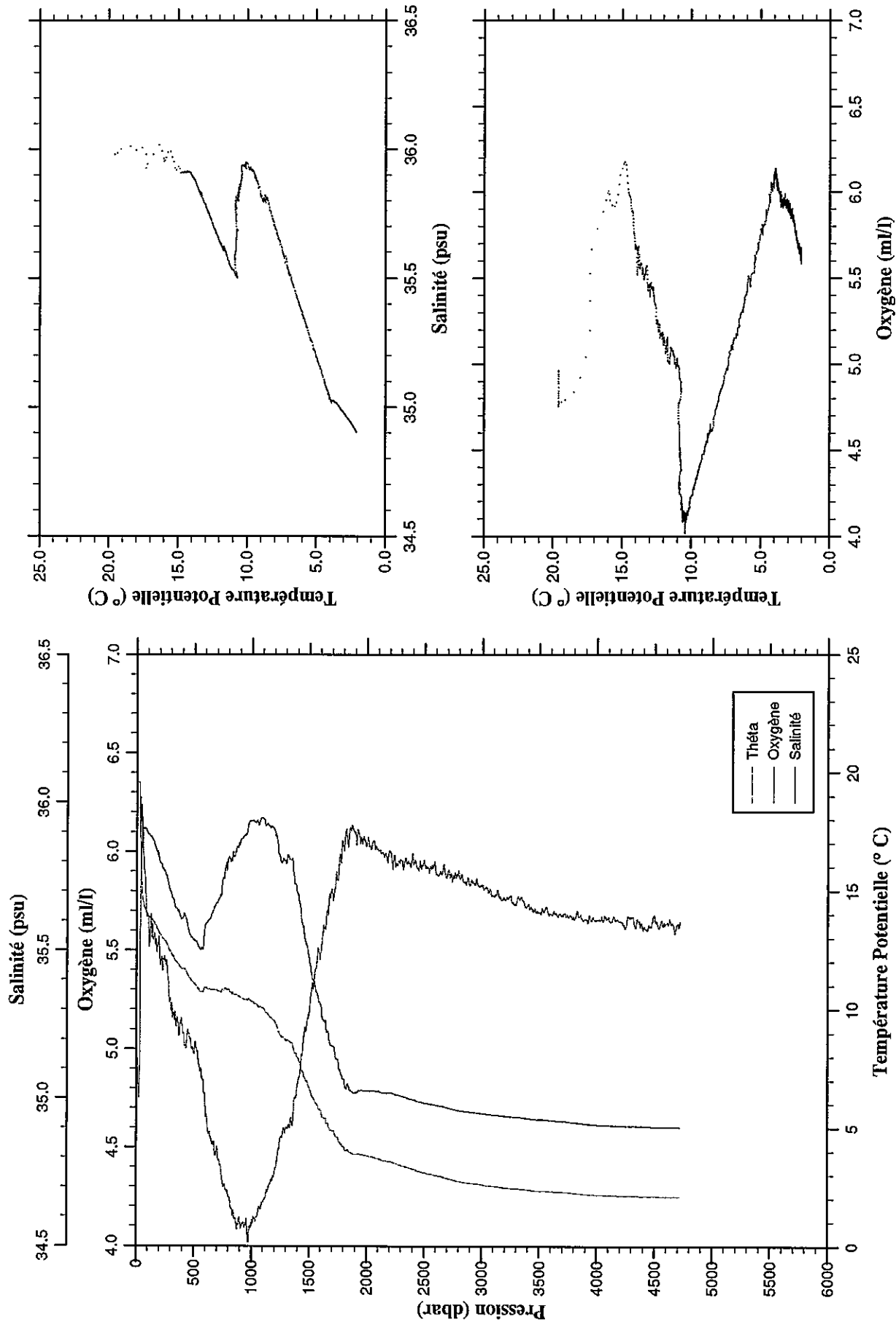
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.515	35.973	4.67	19.515	3050.0	2.819	34.946	5.79	2.567
10.0	19.511	35.972	4.82	19.509	3100.0	2.789	34.943	5.78	2.533
20.0	19.316	35.968	4.92	19.312	3150.0	2.772	34.941	5.79	2.511
30.0	17.309	35.934	5.61	17.304	3200.0	2.745	34.940	5.77	2.478
40.0	16.571	35.955	5.96	16.564	3250.0	2.725	34.937	5.74	2.454
50.0	15.766	35.952	6.22	15.759	3300.0	2.703	34.935	5.72	2.427
100.0	14.727	35.965	5.36	14.712	3350.0	2.688	34.933	5.72	2.407
150.0	13.956	35.870	5.37	13.934	3400.0	2.673	34.932	5.73	2.387
200.0	13.588	35.834	5.36	13.559	3450.0	2.656	34.929	5.70	2.365
250.0	13.120	35.783	5.09	13.085	3500.0	2.649	34.928	5.68	2.353
300.0	12.654	35.717	5.19	12.613	3550.0	2.628	34.927	5.66	2.326
350.0	12.230	35.658	5.09	12.183	3600.0	2.612	34.925	5.64	2.306
400.0	11.898	35.615	5.06	11.845	3650.0	2.604	34.923	5.66	2.293
450.0	11.513	35.564	5.12	11.454	3700.0	2.600	34.923	5.64	2.283
500.0	11.295	35.539	5.09	11.231	3750.0	2.592	34.921	5.63	2.270
550.0	11.066	35.513	4.95	10.997	3800.0	2.586	34.921	5.62	2.258
600.0	10.749	35.487	4.91	10.674	3850.0	2.579	34.920	5.60	2.246
650.0	10.480	35.475	4.70	10.400	3900.0	2.571	34.918	5.60	2.232
700.0	10.816	35.616	4.53	10.728	3950.0	2.564	34.917	5.62	2.220
750.0	10.764	35.672	4.39	10.670	4000.0	2.554	34.916	5.62	2.204
800.0	10.118	35.597	4.36	10.021	4050.0	2.548	34.914	5.60	2.192
850.0	9.699	35.567	4.36	9.598	4100.0	2.541	34.912	5.60	2.180
900.0	9.521	35.578	4.32	9.415	4150.0	2.536	34.911	5.65	2.169
950.0	9.242	35.574	4.36	9.132	4200.0	2.528	34.910	5.62	2.156
1000.0	9.023	35.583	4.40	8.909	4250.0	2.525	34.909	5.62	2.146
1050.0	8.735	35.579	4.46	8.617	4300.0	2.521	34.908	5.63	2.137
1100.0	8.814	35.642	4.46	8.689	4350.0	2.516	34.907	5.65	2.126
1150.0	8.410	35.609	4.55	8.282	4400.0	2.513	34.906	5.63	2.117
1200.0	8.075	35.582	4.64	7.944	4450.0	2.510	34.905	5.65	2.109
1250.0	7.610	35.512	4.83	7.478	4500.0	2.511	34.905	5.64	2.103
1300.0	7.303	35.479	4.93	7.168	4550.0	2.511	34.904	5.66	2.097
1350.0	6.995	35.443	5.05	6.857	4600.0	2.511	34.904	5.64	2.092
1400.0	6.589	35.386	5.19	6.450	4650.0	2.513	34.903	5.64	2.087
1450.0	6.239	35.334	5.32	6.099	4700.0	2.517	34.903	5.65	2.085
1500.0	5.723	35.245	5.49	5.583	4750.0	2.520	34.902	5.66	2.081
1550.0	5.259	35.172	5.70	5.119	4800.0	2.522	34.902	5.63	2.077
1600.0	4.978	35.131	5.79	4.837	4850.0	2.527	34.901	5.65	2.075
1650.0	4.757	35.102	5.84	4.613	4900.0	2.530	34.901	5.66	2.072
1700.0	4.572	35.076	5.92	4.426	4950.0	2.534	34.901	5.63	2.070
1750.0	4.441	35.061	5.94	4.292	5000.0	2.538	34.901	5.64	2.068
1800.0	4.325	35.047	5.98	4.172	5050.0	2.544	34.900	5.65	2.066
1850.0	4.197	35.030	6.05	4.041	5100.0	2.548	34.900	5.67	2.064
1900.0	4.086	35.019	6.05	3.927	5150.0	2.554	34.901	5.65	2.063
1950.0	4.015	35.012	6.05	3.852	5200.0	2.560	34.900	5.64	2.063
2000.0	3.937	35.007	6.04	3.770	5250.0	2.567	34.899	5.65	2.063
2050.0	3.854	35.001	6.07	3.684	5300.0	2.572	34.900	5.65	2.061
2100.0	3.766	34.991	6.09	3.592	5350.0	2.578	34.900	5.66	2.061
2150.0	3.715	34.991	6.06	3.537	5400.0	2.585	34.899	5.64	2.060
2200.0	3.616	34.984	6.04	3.434	5450.0	2.591	34.900	5.64	2.060
2250.0	3.542	34.975	6.05	3.357	5500.0	2.598	34.899	5.67	2.060
2300.0	3.471	34.972	6.03	3.282	5550.0	2.605	34.900	5.67	2.060
2350.0	3.417	34.973	6.03	3.224	5600.0	2.611	34.900	5.64	2.059
2400.0	3.363	34.971	6.02	3.166	5650.0	2.618	34.899	5.66	2.059
2450.0	3.308	34.970	6.04	3.107	5656.0	2.619	34.899	5.67	2.059
2500.0	3.268	34.968	5.98	3.063					
2550.0	3.198	34.965	5.96	2.990					
2600.0	3.145	34.963	5.94	2.933					
2650.0	3.110	34.962	5.94	2.893					
2700.0	3.061	34.960	5.92	2.840					
2750.0	3.025	34.958	5.90	2.800					
2800.0	2.975	34.956	5.89	2.746					
2850.0	2.935	34.954	5.89	2.701					
2900.0	2.906	34.952	5.85	2.668					
2950.0	2.870	34.949	5.84	2.627					
3000.0	2.844	34.949	5.80	2.597					



Station 48

Station	: 49	Campagne	: ARCANE 98
Date	: 06-07-98	Navire	: LA THALASSA
Profondeur	: 4836	Organisme	: IFREMER
Position	: N 40 29.89		
	W 18 28.02		

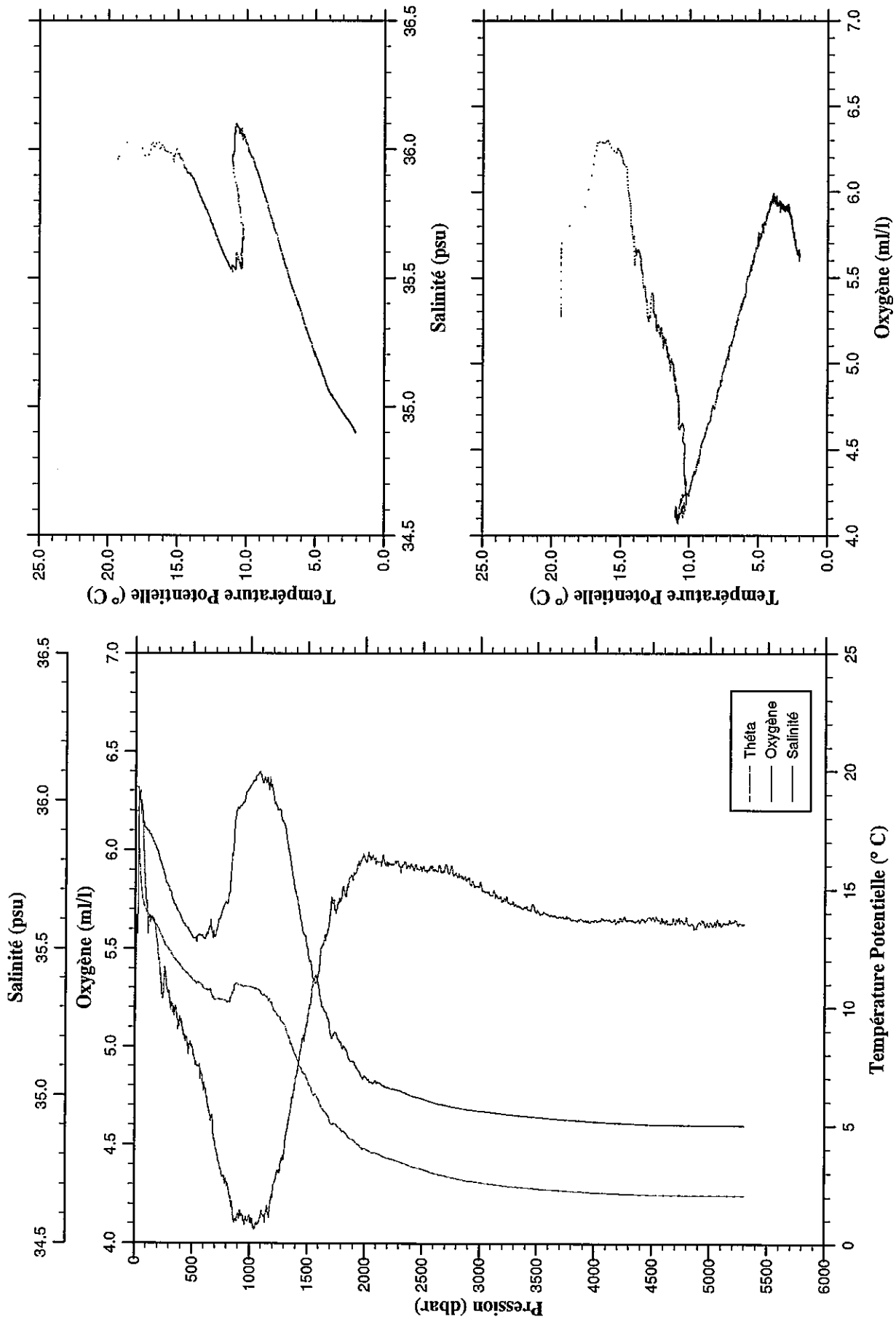
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.611	35.982	4.78	19.610	3050.0	2.820	34.947	5.80	2.568
10.0	19.609	35.980	4.94	19.608	3100.0	2.795	34.945	5.77	2.539
20.0	19.613	35.980	4.76	19.609	3150.0	2.776	34.943	5.77	2.515
30.0	17.347	35.981	5.20	17.342	3200.0	2.751	34.940	5.75	2.485
40.0	15.905	35.968	5.95	15.899	3250.0	2.733	34.939	5.77	2.462
50.0	14.807	35.909	6.17	14.800	3300.0	2.723	34.937	5.75	2.447
100.0	13.989	35.892	5.68	13.974	3350.0	2.699	34.935	5.75	2.418
150.0	13.716	35.865	5.57	13.695	3400.0	2.672	34.933	5.73	2.386
200.0	13.213	35.799	5.47	13.185	3450.0	2.655	34.930	5.70	2.364
250.0	12.909	35.758	5.45	12.875	3500.0	2.646	34.928	5.69	2.350
300.0	12.437	35.693	5.20	12.397	3550.0	2.644	34.928	5.72	2.343
350.0	12.032	35.639	5.15	11.986	3600.0	2.633	34.927	5.68	2.326
400.0	11.768	35.607	5.10	11.716	3650.0	2.620	34.926	5.68	2.308
450.0	11.475	35.569	5.08	11.417	3700.0	2.612	34.922	5.68	2.294
500.0	11.153	35.535	4.98	11.089	3750.0	2.594	34.922	5.67	2.271
550.0	10.836	35.503	4.88	10.768	3800.0	2.571	34.920	5.66	2.243
600.0	10.997	35.588	4.67	10.922	3850.0	2.559	34.917	5.68	2.226
650.0	10.923	35.620	4.54	10.841	3900.0	2.545	34.916	5.66	2.207
700.0	10.878	35.660	4.51	10.790	3950.0	2.537	34.913	5.65	2.193
750.0	10.914	35.745	4.32	10.819	4000.0	2.520	34.912	5.66	2.171
800.0	10.941	35.814	4.25	10.839	4050.0	2.515	34.910	5.65	2.161
850.0	10.726	35.817	4.14	10.619	4100.0	2.516	34.909	5.66	2.155
900.0	10.619	35.864	4.12	10.505	4150.0	2.511	34.909	5.66	2.145
950.0	10.529	35.892	4.12	10.410	4200.0	2.506	34.908	5.65	2.134
1000.0	10.458	35.937	4.11	10.332	4250.0	2.509	34.908	5.62	2.131
1050.0	10.296	35.933	4.15	10.166	4300.0	2.513	34.908	5.67	2.130
1100.0	10.181	35.947	4.22	10.045	4350.0	2.510	34.907	5.65	2.120
1150.0	9.873	35.922	4.30	9.733	4400.0	2.513	34.906	5.61	2.117
1200.0	9.648	35.904	4.38	9.503	4450.0	2.507	34.906	5.62	2.105
1250.0	9.058	35.799	4.55	8.912	4500.0	2.508	34.904	5.65	2.101
1300.0	8.829	35.794	4.60	8.679	4550.0	2.511	34.904	5.65	2.098
1350.0	8.755	35.808	4.61	8.600	4600.0	2.514	34.905	5.63	2.094
1400.0	8.124	35.691	4.82	7.969	4650.0	2.515	34.904	5.64	2.088
1450.0	7.384	35.585	5.06	7.231	4700.0	2.518	34.904	5.63	2.085
1500.0	6.830	35.473	5.19	6.678	4717.0	2.518	34.903	5.65	2.084
1550.0	6.250	35.376	5.40	6.099					
1600.0	5.877	35.317	5.49	5.724					
1650.0	5.332	35.223	5.69	5.181					
1700.0	5.040	35.177	5.79	4.887					
1750.0	4.706	35.125	5.87	4.553					
1800.0	4.352	35.065	6.01	4.198					
1850.0	4.122	35.027	6.12	3.967					
1900.0	4.050	35.021	6.10	3.891					
1950.0	4.054	35.027	6.07	3.890					
2000.0	3.998	35.026	6.05	3.831					
2050.0	3.948	35.025	6.05	3.776					
2100.0	3.879	35.024	6.00	3.703					
2150.0	3.798	35.019	5.97	3.618					
2200.0	3.757	35.020	6.00	3.574					
2250.0	3.682	35.014	5.94	3.495					
2300.0	3.608	35.008	5.95	3.416					
2350.0	3.528	35.002	5.94	3.334					
2400.0	3.464	34.996	5.95	3.266					
2450.0	3.379	34.989	5.91	3.177					
2500.0	3.307	34.984	5.93	3.101					
2550.0	3.260	34.980	5.92	3.050					
2600.0	3.203	34.977	5.89	2.990					
2650.0	3.167	34.974	5.89	2.948					
2700.0	3.088	34.968	5.89	2.867					
2750.0	3.029	34.964	5.88	2.804					
2800.0	2.971	34.959	5.87	2.741					
2850.0	2.937	34.957	5.84	2.704					
2900.0	2.911	34.954	5.85	2.673					
2950.0	2.888	34.953	5.86	2.645					
3000.0	2.852	34.950	5.83	2.605					



Station 49

Station	: 50	Campagne	: ARCANE 98
Date	: 06-07-98	Navire	: LA THALASSA
Profondeur	: 5214	Organisme	: IFREMER
Position	: N 40 7.53		
	W 18 2.23		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.337	35.965	5.27	19.337	3050.0	2.824	34.947	5.79	2.572
10.0	19.340	35.965	5.48	19.338	3100.0	2.798	34.945	5.77	2.541
20.0	19.340	35.964	5.59	19.336	3150.0	2.774	34.942	5.76	2.512
30.0	16.915	36.019	6.21	16.910	3200.0	2.744	34.939	5.74	2.478
40.0	16.026	36.009	6.30	16.020	3250.0	2.719	34.938	5.73	2.448
50.0	15.243	35.974	6.25	15.235	3300.0	2.703	34.936	5.72	2.427
100.0	14.075	35.903	5.74	14.060	3350.0	2.688	34.934	5.71	2.407
150.0	13.762	35.871	5.66	13.741	3400.0	2.672	34.932	5.70	2.386
200.0	13.410	35.819	5.45	13.381	3450.0	2.656	34.929	5.72	2.365
250.0	12.867	35.755	5.30	12.832	3500.0	2.639	34.928	5.69	2.343
300.0	12.460	35.695	5.25	12.419	3550.0	2.626	34.927	5.68	2.325
350.0	12.102	35.647	5.19	12.056	3600.0	2.612	34.925	5.67	2.306
400.0	11.809	35.604	5.12	11.756	3650.0	2.602	34.924	5.67	2.291
450.0	11.538	35.573	5.05	11.479	3700.0	2.591	34.923	5.66	2.274
500.0	11.240	35.539	5.00	11.177	3750.0	2.582	34.921	5.66	2.260
550.0	11.137	35.548	4.90	11.067	3800.0	2.571	34.919	5.65	2.243
600.0	10.882	35.534	4.80	10.807	3850.0	2.563	34.917	5.65	2.230
650.0	10.811	35.575	4.66	10.730	3900.0	2.555	34.916	5.64	2.216
700.0	10.417	35.548	4.49	10.332	3950.0	2.547	34.915	5.64	2.203
750.0	10.434	35.617	4.37	10.342	4000.0	2.539	34.914	5.65	2.189
800.0	10.312	35.651	4.29	10.214	4050.0	2.532	34.913	5.65	2.177
850.0	10.742	35.824	4.19	10.635	4100.0	2.524	34.911	5.65	2.163
900.0	11.085	35.974	4.15	10.968	4150.0	2.519	34.910	5.64	2.153
950.0	11.029	36.003	4.11	10.906	4200.0	2.512	34.909	5.64	2.141
1000.0	11.023	36.051	4.14	10.893	4250.0	2.509	34.907	5.66	2.131
1050.0	10.959	36.086	4.09	10.824	4300.0	2.508	34.907	5.65	2.124
1100.0	10.701	36.074	4.15	10.561	4350.0	2.508	34.906	5.64	2.119
1150.0	10.541	36.065	4.17	10.395	4400.0	2.506	34.905	5.64	2.111
1200.0	10.142	36.023	4.26	9.993	4450.0	2.505	34.904	5.65	2.104
1250.0	9.776	35.971	4.37	9.623	4500.0	2.504	34.905	5.66	2.096
1300.0	9.387	35.916	4.47	9.232	4550.0	2.505	34.903	5.64	2.092
1350.0	8.736	35.797	4.66	8.581	4600.0	2.509	34.904	5.64	2.090
1400.0	8.098	35.684	4.85	7.943	4650.0	2.511	34.903	5.63	2.085
1450.0	7.498	35.577	5.02	7.344	4700.0	2.515	34.903	5.63	2.082
1500.0	7.071	35.502	5.12	6.916	4750.0	2.518	34.903	5.65	2.080
1550.0	6.441	35.399	5.34	6.288	4800.0	2.522	34.902	5.63	2.077
1600.0	6.155	35.362	5.39	5.999	4850.0	2.525	34.902	5.62	2.074
1650.0	5.718	35.287	5.57	5.563	4900.0	2.532	34.901	5.64	2.075
1700.0	5.259	35.209	5.71	5.104	4950.0	2.537	34.902	5.62	2.072
1750.0	5.194	35.212	5.70	5.034	5000.0	2.543	34.902	5.63	2.072
1800.0	4.900	35.164	5.80	4.740	5050.0	2.547	34.902	5.62	2.070
1850.0	4.714	35.141	5.81	4.551	5100.0	2.552	34.902	5.62	2.068
1900.0	4.538	35.114	5.88	4.372	5150.0	2.558	34.900	5.63	2.068
1950.0	4.330	35.082	5.93	4.162	5200.0	2.564	34.901	5.64	2.067
2000.0	4.196	35.064	5.95	4.025	5250.0	2.571	34.901	5.63	2.067
2050.0	4.053	35.046	5.96	3.880	5298.0	2.578	34.900	5.63	2.067
2100.0	3.976	35.041	5.94	3.799					
2150.0	3.889	35.035	5.97	3.708					
2200.0	3.807	35.029	5.93	3.622					
2250.0	3.740	35.024	5.93	3.551					
2300.0	3.667	35.019	5.92	3.475					
2350.0	3.583	35.011	5.94	3.387					
2400.0	3.487	35.001	5.93	3.288					
2450.0	3.421	34.995	5.91	3.218					
2500.0	3.370	34.991	5.92	3.164					
2550.0	3.285	34.984	5.90	3.075					
2600.0	3.209	34.978	5.90	2.995					
2650.0	3.146	34.972	5.91	2.928					
2700.0	3.097	34.967	5.93	2.875					
2750.0	3.043	34.963	5.92	2.817					
2800.0	2.996	34.960	5.87	2.766					
2850.0	2.947	34.956	5.86	2.713					
2900.0	2.903	34.953	5.86	2.665					
2950.0	2.881	34.951	5.81	2.638					
3000.0	2.848	34.949	5.84	2.601					



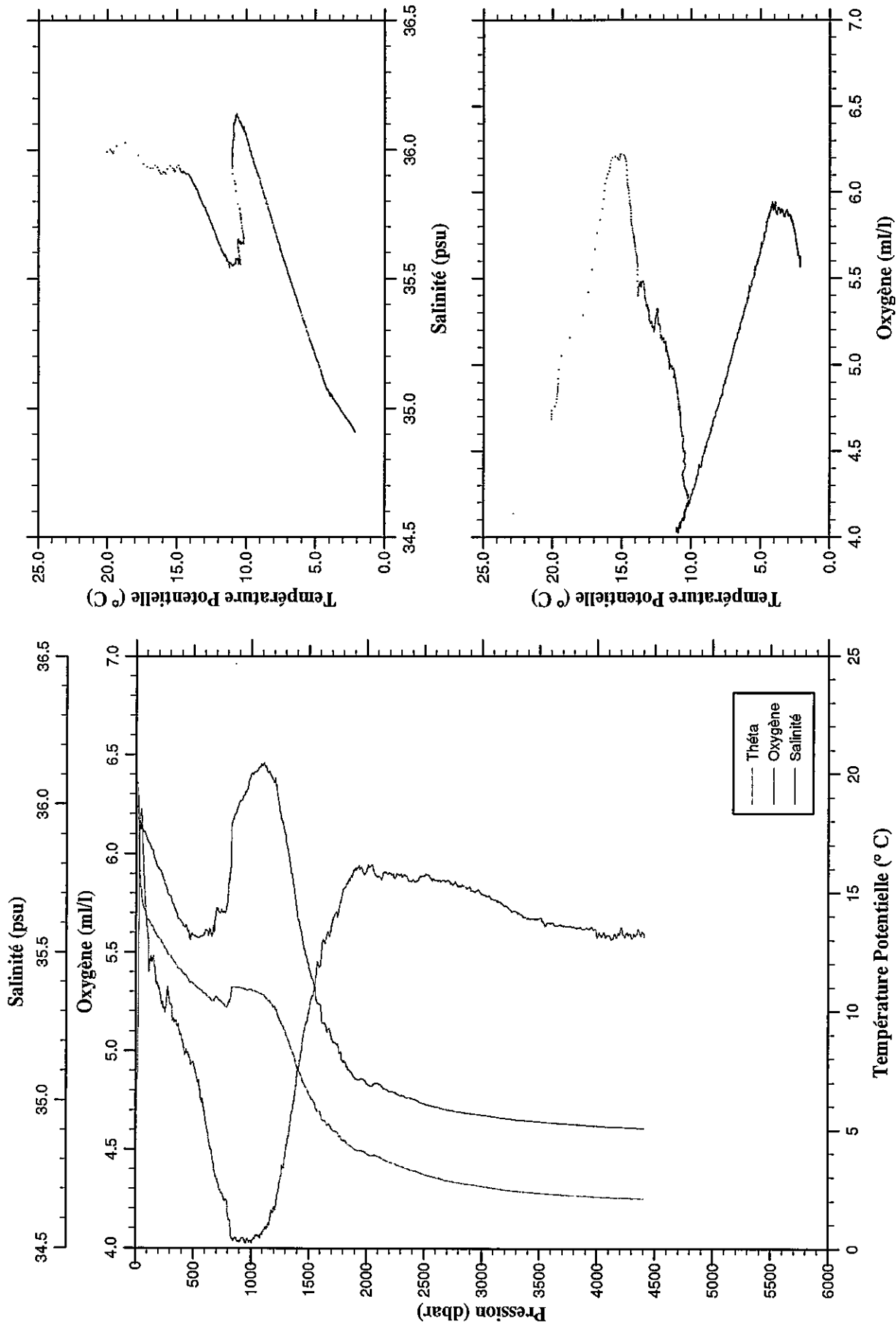
Station 50

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| Station   : 51           Campagne  : ARCANE 98
| Date     : 07-07-98    Navire    : LA THALASSA
| Profondeur : 4341      Organisme : IFREMER
| Position  : N 39 47.31
|           : W 18  3.11
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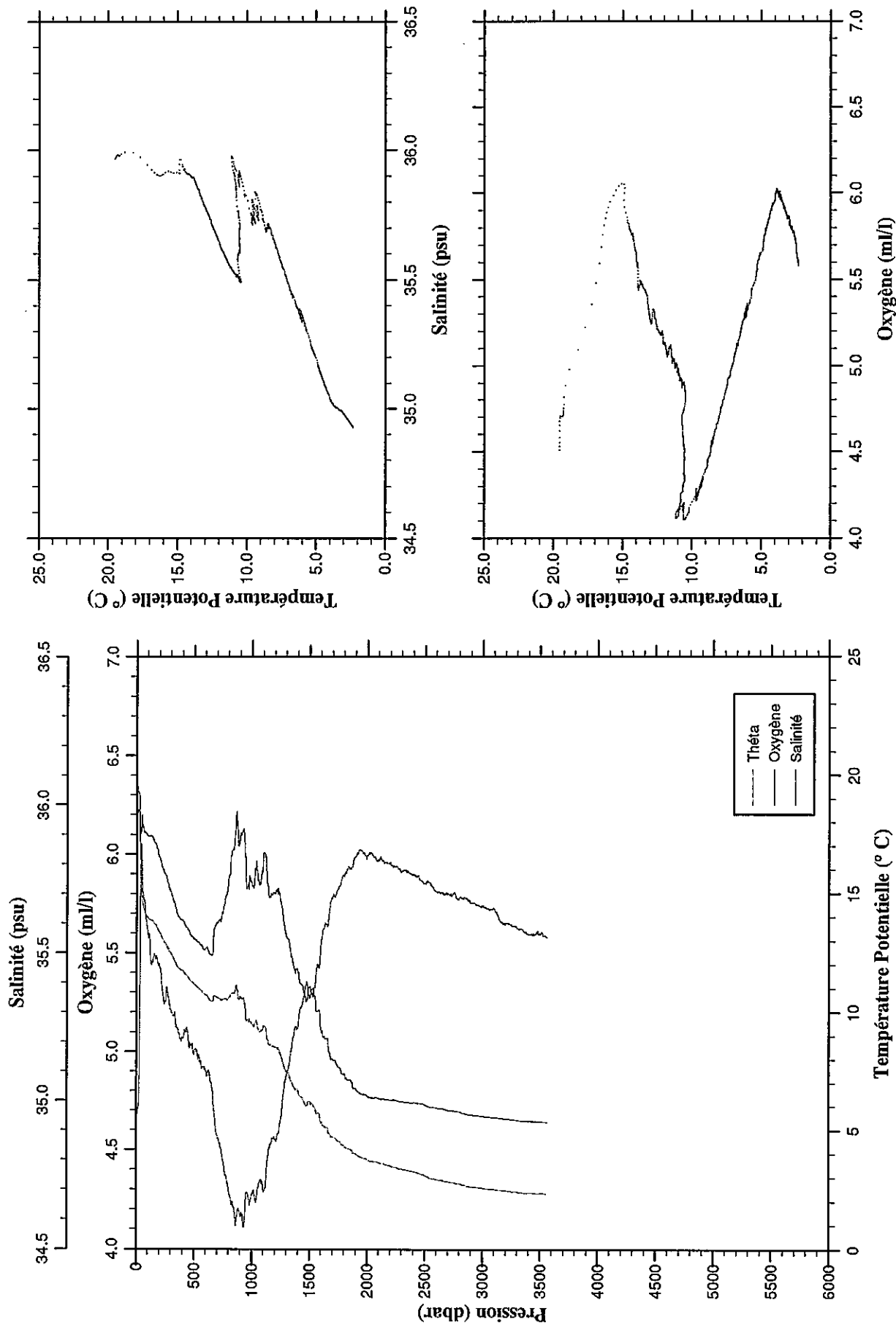
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	20.086	35.993	4.69	20.086	3050.0	2.843	34.950	5.78	2.590
10.0	19.648	35.990	4.85	19.646	3100.0	2.810	34.947	5.77	2.553
20.0	18.767	36.029	5.16	18.763	3150.0	2.772	34.944	5.76	2.511
30.0	16.203	35.908	6.05	16.198	3200.0	2.741	34.942	5.74	2.475
40.0	15.296	35.920	6.19	15.290	3250.0	2.719	34.939	5.71	2.448
50.0	14.759	35.921	6.19	14.751	3300.0	2.693	34.936	5.70	2.417
100.0	13.924	35.876	5.61	13.910	3350.0	2.678	34.934	5.68	2.398
150.0	13.533	35.835	5.48	13.511	3400.0	2.666	34.933	5.67	2.381
200.0	13.119	35.782	5.31	13.091	3450.0	2.648	34.931	5.67	2.357
250.0	12.723	35.731	5.20	12.689	3500.0	2.641	34.930	5.67	2.345
300.0	12.412	35.690	5.24	12.371	3550.0	2.628	34.928	5.64	2.326
350.0	12.033	35.635	5.15	11.987	3600.0	2.611	34.926	5.65	2.305
400.0	11.740	35.599	5.05	11.688	3650.0	2.600	34.925	5.64	2.289
450.0	11.459	35.569	4.99	11.401	3700.0	2.590	34.923	5.63	2.274
500.0	11.222	35.558	4.94	11.158	3750.0	2.579	34.921	5.63	2.257
550.0	11.023	35.551	4.81	10.953	3800.0	2.578	34.921	5.63	2.251
600.0	10.837	35.575	4.66	10.762	3850.0	2.567	34.919	5.63	2.234
650.0	10.582	35.563	4.50	10.502	3900.0	2.560	34.918	5.63	2.221
700.0	10.680	35.646	4.36	10.592	3950.0	2.544	34.916	5.63	2.200
750.0	10.454	35.639	4.27	10.361	4000.0	2.538	34.915	5.58	2.189
800.0	10.502	35.728	4.16	10.403	4050.0	2.531	34.913	5.60	2.176
850.0	11.140	35.956	4.04	11.030	4100.0	2.525	34.913	5.59	2.164
900.0	11.132	36.009	4.03	11.015	4150.0	2.522	34.911	5.59	2.156
950.0	11.060	36.041	4.03	10.937	4200.0	2.526	34.911	5.62	2.153
1000.0	11.062	36.102	4.03	10.932	4250.0	2.525	34.910	5.60	2.147
1050.0	10.959	36.111	4.06	10.823	4300.0	2.521	34.910	5.57	2.137
1100.0	10.854	36.133	4.09	10.713	4350.0	2.516	34.908	5.62	2.127
1150.0	10.596	36.107	4.12	10.450	4400.0	2.514	34.908	5.60	2.118
1200.0	10.364	36.080	4.21	10.213	4406.0	2.514	34.908	5.58	2.118
1250.0	9.747	35.972	4.34	9.595					
1300.0	9.157	35.871	4.50	9.004					
1350.0	8.548	35.768	4.69	8.394					
1400.0	7.725	35.620	4.90	7.574					
1450.0	7.150	35.522	5.07	6.999					
1500.0	6.662	35.445	5.21	6.511					
1550.0	6.286	35.384	5.33	6.134					
1600.0	5.884	35.317	5.45	5.732					
1650.0	5.454	35.247	5.58	5.302					
1700.0	5.192	35.206	5.66	5.038					
1750.0	5.055	35.189	5.69	4.897					
1800.0	4.721	35.129	5.82	4.563					
1850.0	4.527	35.101	5.87	4.367					
1900.0	4.342	35.075	5.92	4.179					
1950.0	4.303	35.073	5.93	4.136					
2000.0	4.164	35.056	5.92	3.994					
2050.0	4.089	35.048	5.93	3.915					
2100.0	4.063	35.057	5.89	3.885					
2150.0	3.918	35.038	5.91	3.737					
2200.0	3.820	35.031	5.90	3.635					
2250.0	3.750	35.027	5.88	3.561					
2300.0	3.662	35.019	5.90	3.470					
2350.0	3.565	35.011	5.88	3.370					
2400.0	3.500	35.007	5.87	3.301					
2450.0	3.416	34.996	5.87	3.213					
2500.0	3.338	34.990	5.89	3.132					
2550.0	3.261	34.984	5.88	3.051					
2600.0	3.203	34.979	5.87	2.989					
2650.0	3.152	34.975	5.86	2.934					
2700.0	3.085	34.968	5.87	2.863					
2750.0	3.050	34.967	5.84	2.824					
2800.0	3.009	34.963	5.84	2.779					
2850.0	2.966	34.959	5.83	2.732					
2900.0	2.939	34.957	5.82	2.700					
2950.0	2.903	34.955	5.81	2.659					
3000.0	2.865	34.952	5.79	2.617					



Station 51

Station	: 52	Campagne	: ARCANE 98
Date	: 07-07-98	Navire	: LA THALASSA
Profondeur	: 3504	Organisme	: IFREMER
Position	: N 39 44.92		
	W 17 36.08		

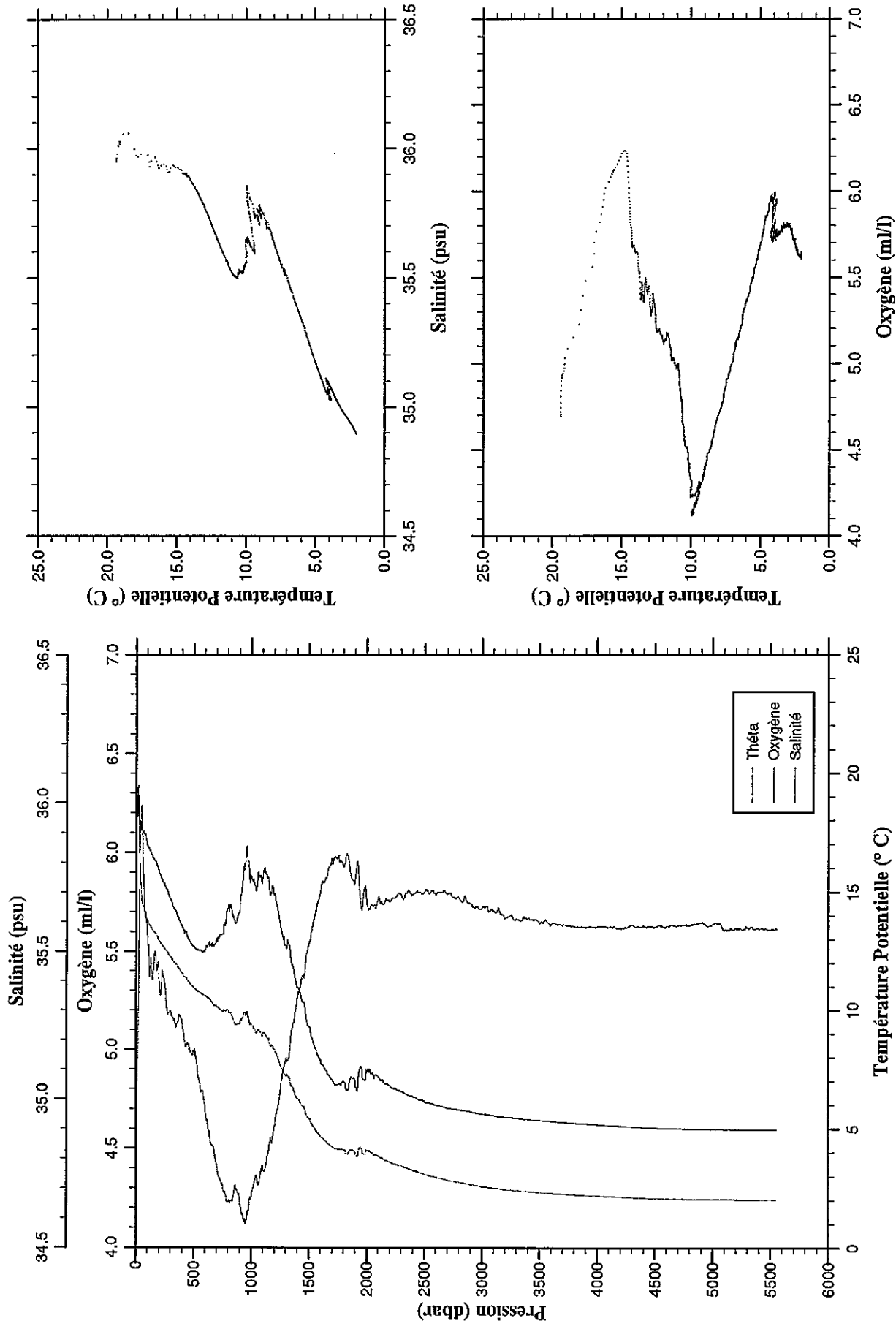
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.538	35.968	4.51	19.538	3050.0	2.792	34.946	5.72	2.541
10.0	19.472	35.974	4.71	19.470	3100.0	2.778	34.944	5.72	2.522
20.0	19.258	35.979	4.74	19.255	3150.0	2.745	34.941	5.66	2.484
30.0	16.704	35.914	5.60	16.699	3200.0	2.728	34.939	5.65	2.462
40.0	15.322	35.913	6.04	15.316	3250.0	2.700	34.937	5.64	2.430
50.0	14.649	35.936	5.83	14.642	3300.0	2.678	34.935	5.62	2.403
100.0	13.969	35.893	5.58	13.954	3350.0	2.657	34.932	5.61	2.376
150.0	13.780	35.879	5.50	13.759	3400.0	2.650	34.931	5.59	2.365
200.0	13.393	35.823	5.43	13.365	3450.0	2.649	34.930	5.59	2.358
250.0	12.946	35.764	5.25	12.911	3500.0	2.640	34.929	5.59	2.344
300.0	12.485	35.702	5.21	12.445	3550.0	2.633	34.928	5.58	2.331
350.0	11.992	35.632	5.12	11.945	3556.0	2.630	34.927	5.58	2.328
400.0	11.805	35.609	5.07	11.753					
450.0	11.519	35.577	5.05	11.461					
500.0	11.245	35.550	5.00	11.182					
550.0	11.025	35.530	4.95	10.955					
600.0	10.807	35.517	4.90	10.732					
650.0	10.540	35.494	4.84	10.460					
700.0	10.706	35.603	4.57	10.618					
750.0	10.645	35.647	4.44	10.552					
800.0	10.739	35.754	4.29	10.638					
850.0	10.983	35.882	4.19	10.874					
900.0	10.773	35.901	4.17	10.659					
950.0	9.776	35.718	4.28	9.662					
1000.0	9.594	35.727	4.28	9.475					
1050.0	9.449	35.750	4.30	9.325					
1100.0	9.563	35.839	4.29	9.431					
1150.0	8.762	35.687	4.51	8.632					
1200.0	8.653	35.699	4.55	8.517					
1250.0	8.331	35.674	4.66	8.192					
1300.0	7.603	35.552	4.89	7.465					
1350.0	7.111	35.475	5.05	6.972					
1400.0	6.814	35.435	5.13	6.672					
1450.0	6.374	35.368	5.28	6.232					
1500.0	6.365	35.386	5.27	6.217					
1550.0	6.028	35.340	5.36	5.879					
1600.0	5.461	35.236	5.56	5.314					
1650.0	5.273	35.212	5.65	5.123					
1700.0	4.867	35.141	5.78	4.717					
1750.0	4.688	35.115	5.83	4.535					
1800.0	4.518	35.092	5.89	4.362					
1850.0	4.371	35.072	5.93	4.212					
1900.0	4.185	35.042	5.99	4.024					
1950.0	4.025	35.023	6.02	3.862					
2000.0	3.927	35.016	5.99	3.760					
2050.0	3.856	35.010	5.99	3.685					
2100.0	3.813	35.009	5.97	3.639					
2150.0	3.749	35.006	5.96	3.570					
2200.0	3.679	35.003	5.96	3.497					
2250.0	3.616	35.002	5.94	3.430					
2300.0	3.554	34.997	5.91	3.364					
2350.0	3.510	34.995	5.91	3.316					
2400.0	3.471	34.994	5.90	3.272					
2450.0	3.392	34.992	5.87	3.190					
2500.0	3.305	34.987	5.85	3.099					
2550.0	3.188	34.978	5.84	2.980					
2600.0	3.142	34.976	5.81	2.929					
2650.0	3.114	34.974	5.80	2.897					
2700.0	3.052	34.968	5.80	2.831					
2750.0	3.022	34.966	5.81	2.797					
2800.0	2.993	34.963	5.78	2.763					
2850.0	2.907	34.956	5.78	2.673					
2900.0	2.865	34.952	5.75	2.627					
2950.0	2.849	34.951	5.74	2.607					
3000.0	2.821	34.948	5.74	2.574					



Station 52

Station	: 53	Campagne	: ARCANE 98
Date	: 08-07-98	Navire	: LA THALASSA
Profondeur	: 5457	Organisme	: IFREMER
Position	: N 39 42.84		
	W 16 58.24		

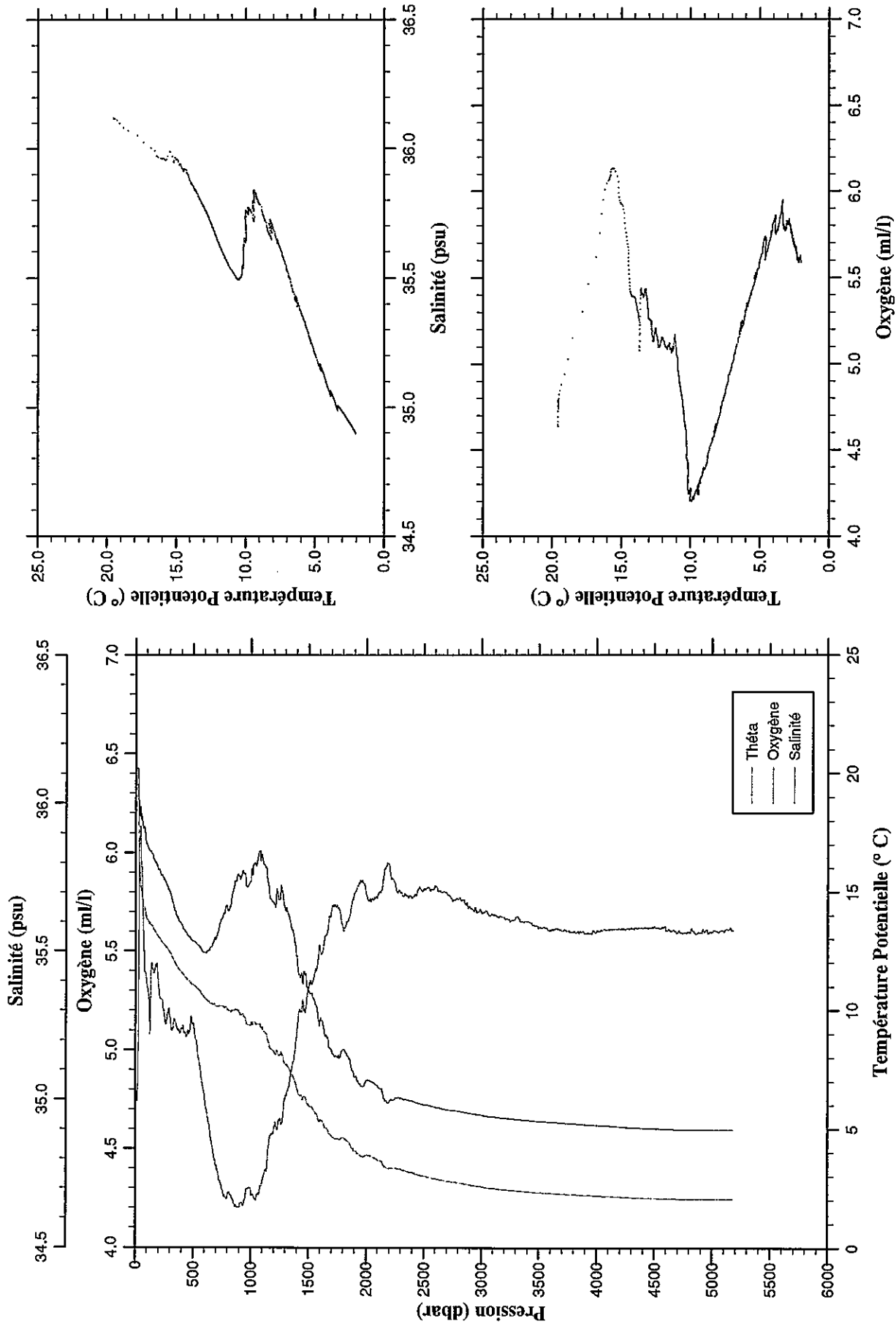
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.390	35.951	4.69	19.389	3050.0	2.811	34.948	5.71	2.559
10.0	19.368	35.958	4.90	19.366	3100.0	2.780	34.945	5.70	2.523
20.0	18.092	36.000	5.23	18.088	3150.0	2.754	34.942	5.70	2.493
30.0	16.393	35.936	5.91	16.388	3200.0	2.732	34.940	5.67	2.466
40.0	15.477	35.925	6.14	15.471	3250.0	2.716	34.938	5.69	2.445
50.0	14.594	35.905	6.17	14.587	3300.0	2.696	34.936	5.66	2.420
100.0	13.796	35.857	5.55	13.781	3350.0	2.680	34.934	5.67	2.399
150.0	13.397	35.813	5.41	13.376	3400.0	2.664	34.932	5.67	2.378
200.0	12.974	35.763	5.33	12.946	3450.0	2.646	34.930	5.66	2.355
250.0	12.632	35.721	5.32	12.598	3500.0	2.636	34.929	5.65	2.340
300.0	12.314	35.675	5.20	12.273	3550.0	2.626	34.928	5.66	2.325
350.0	11.985	35.632	5.13	11.939	3600.0	2.612	34.926	5.64	2.305
400.0	11.617	35.584	5.12	11.565	3650.0	2.596	34.923	5.64	2.284
450.0	11.311	35.544	5.03	11.254	3700.0	2.588	34.922	5.64	2.271
500.0	11.049	35.519	4.99	10.986	3750.0	2.578	34.921	5.63	2.256
550.0	10.820	35.505	4.84	10.751	3800.0	2.569	34.920	5.63	2.242
600.0	10.689	35.507	4.71	10.614	3850.0	2.564	34.919	5.62	2.231
650.0	10.460	35.520	4.52	10.381	3900.0	2.555	34.918	5.62	2.216
700.0	10.216	35.537	4.42	10.131	3950.0	2.550	34.916	5.63	2.206
750.0	10.042	35.559	4.31	9.952	4000.0	2.543	34.915	5.63	2.194
800.0	10.106	35.656	4.23	10.009	4050.0	2.535	34.914	5.63	2.180
850.0	9.616	35.606	4.28	9.515	4100.0	2.528	34.912	5.62	2.168
900.0	9.601	35.645	4.24	9.494	4150.0	2.522	34.911	5.63	2.155
950.0	10.028	35.819	4.12	9.913	4200.0	2.515	34.910	5.62	2.143
1000.0	9.527	35.749	4.26	9.408	4250.0	2.510	34.908	5.62	2.132
1050.0	9.232	35.732	4.34	9.110	4300.0	2.503	34.907	5.64	2.119
1100.0	9.139	35.758	4.40	9.011	4350.0	2.500	34.906	5.63	2.111
1150.0	8.836	35.743	4.49	8.705	4400.0	2.497	34.905	5.63	2.102
1200.0	8.472	35.696	4.61	8.338	4450.0	2.497	34.905	5.63	2.096
1250.0	7.826	35.588	4.78	7.691	4500.0	2.497	34.904	5.63	2.089
1300.0	7.350	35.515	4.95	7.214	4550.0	2.497	34.903	5.63	2.083
1350.0	6.922	35.455	5.10	6.785	4600.0	2.495	34.902	5.63	2.075
1400.0	6.418	35.378	5.28	6.281	4650.0	2.497	34.902	5.63	2.071
1450.0	6.087	35.326	5.37	5.948	4700.0	2.495	34.902	5.63	2.064
1500.0	5.594	35.246	5.54	5.455	4750.0	2.497	34.900	5.63	2.059
1550.0	5.144	35.173	5.70	5.006	4800.0	2.499	34.900	5.63	2.055
1600.0	4.839	35.128	5.82	4.699	4850.0	2.503	34.900	5.64	2.053
1650.0	4.616	35.096	5.87	4.474	4900.0	2.507	34.899	5.65	2.050
1700.0	4.395	35.064	5.95	4.251	4950.0	2.511	34.899	5.63	2.048
1750.0	4.290	35.049	5.98	4.143	5000.0	2.516	34.899	5.64	2.046
1800.0	4.285	35.058	5.93	4.132	5050.0	2.521	34.899	5.64	2.045
1850.0	4.212	35.053	5.92	4.056	5100.0	2.525	34.899	5.61	2.042
1900.0	4.121	35.051	5.88	3.961	5150.0	2.531	34.899	5.62	2.041
1950.0	4.367	35.109	5.72	4.198	5200.0	2.536	34.899	5.61	2.040
2000.0	4.238	35.089	5.74	4.067	5250.0	2.542	34.898	5.61	2.039
2050.0	4.159	35.088	5.73	3.983	5300.0	2.549	34.898	5.62	2.039
2100.0	4.043	35.076	5.78	3.865	5350.0	2.555	34.899	5.61	2.038
2150.0	3.893	35.056	5.74	3.712	5400.0	2.562	34.898	5.61	2.038
2200.0	3.807	35.046	5.76	3.623	5450.0	2.568	34.898	5.62	2.038
2250.0	3.717	35.035	5.77	3.529	5500.0	2.575	34.898	5.61	2.038
2300.0	3.637	35.026	5.79	3.446	5548.0	2.581	34.898	5.61	2.038
2350.0	3.547	35.016	5.80	3.352					
2400.0	3.473	35.010	5.79	3.274					
2450.0	3.392	34.999	5.80	3.190					
2500.0	3.309	34.992	5.81	3.103					
2550.0	3.255	34.987	5.80	3.045					
2600.0	3.191	34.981	5.79	2.978					
2650.0	3.145	34.976	5.80	2.927					
2700.0	3.073	34.970	5.79	2.852					
2750.0	3.039	34.968	5.78	2.813					
2800.0	2.995	34.964	5.77	2.765					
2850.0	2.962	34.962	5.78	2.727					
2900.0	2.917	34.958	5.74	2.678					
2950.0	2.873	34.954	5.72	2.630					
3000.0	2.835	34.950	5.72	2.587					



Station 53

Station	: 54	Campagne	: ARCANE 98
Date	: 08-07-98	Navire	: LA THALASSA
Profondeur	: 5092	Organisme	: IFREMER
Position	: N 39 41.11		
	W 16 20.50		

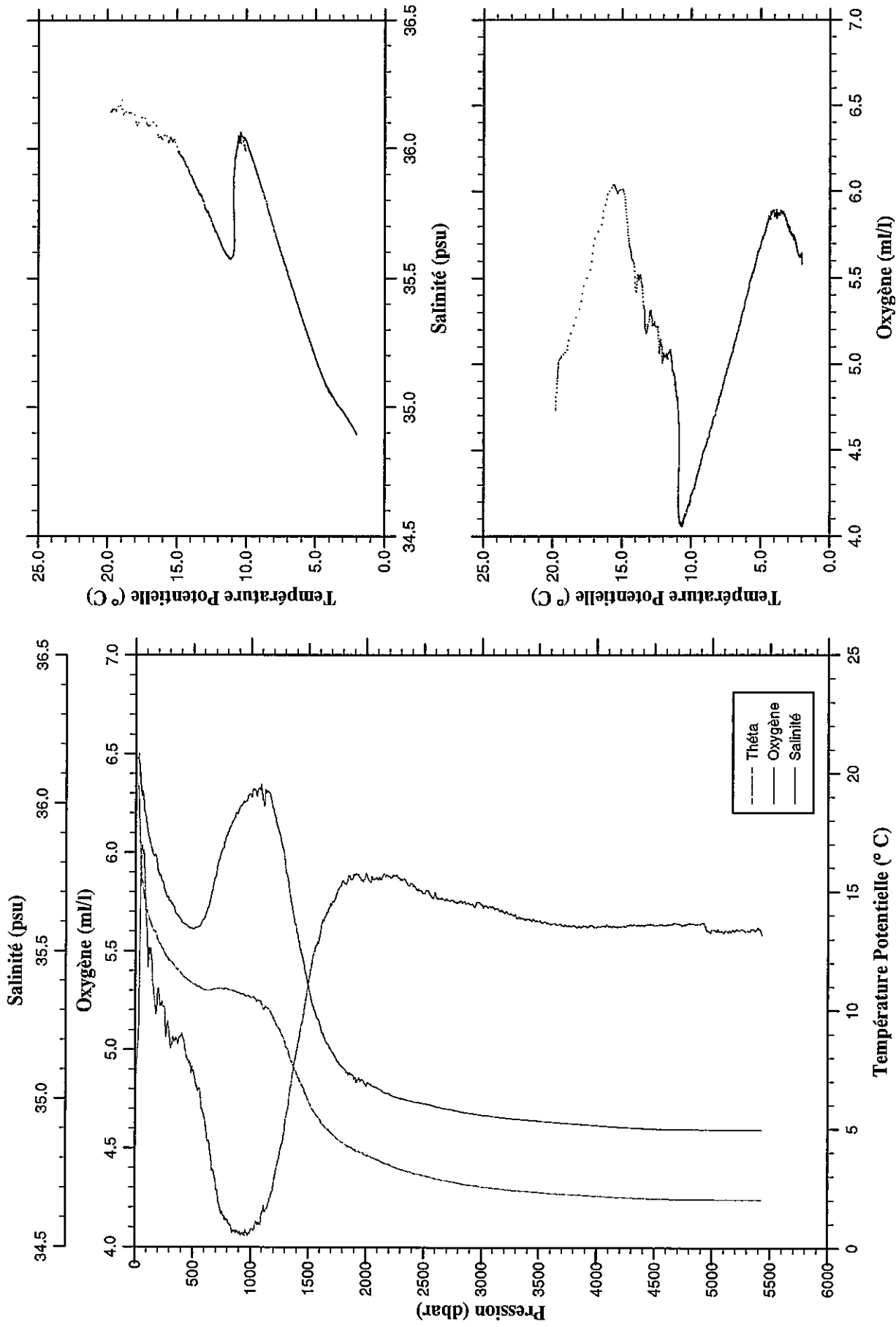
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.559	36.121	4.64	19.559	3050.0	2.780	34.944	5.69	2.529
10.0	19.549	36.117	4.79	19.547	3100.0	2.761	34.942	5.68	2.505
20.0	19.498	36.117	4.82	19.495	3150.0	2.736	34.940	5.67	2.475
30.0	16.425	35.972	5.87	16.420	3200.0	2.719	34.938	5.66	2.453
40.0	15.732	35.959	6.13	15.726	3250.0	2.701	34.936	5.65	2.431
50.0	15.068	35.967	5.94	15.060	3300.0	2.686	34.935	5.67	2.410
100.0	13.878	35.859	5.32	13.864	3350.0	2.665	34.932	5.65	2.385
150.0	13.543	35.826	5.41	13.522	3400.0	2.650	34.930	5.65	2.365
200.0	13.109	35.776	5.32	13.081	3450.0	2.630	34.928	5.63	2.340
250.0	12.801	35.747	5.17	12.766	3500.0	2.621	34.927	5.62	2.326
300.0	12.459	35.697	5.16	12.419	3550.0	2.615	34.926	5.62	2.314
350.0	11.953	35.627	5.13	11.907	3600.0	2.605	34.925	5.61	2.299
400.0	11.660	35.591	5.10	11.608	3650.0	2.595	34.923	5.61	2.284
450.0	11.359	35.554	5.09	11.301	3700.0	2.585	34.922	5.60	2.268
500.0	11.151	35.535	5.13	11.088	3750.0	2.576	34.920	5.60	2.254
550.0	10.946	35.518	4.95	10.877	3800.0	2.569	34.919	5.60	2.242
600.0	10.607	35.496	4.75	10.533	3850.0	2.561	34.917	5.60	2.229
650.0	10.387	35.512	4.56	10.308	3900.0	2.552	34.916	5.59	2.214
700.0	10.275	35.547	4.41	10.190	3950.0	2.545	34.915	5.59	2.202
750.0	10.274	35.611	4.29	10.183	4000.0	2.539	34.914	5.61	2.190
800.0	10.113	35.636	4.27	10.016	4050.0	2.532	34.912	5.61	2.177
850.0	10.117	35.712	4.23	10.014	4100.0	2.532	34.912	5.61	2.171
900.0	10.027	35.753	4.20	9.918	4150.0	2.520	34.910	5.61	2.154
950.0	9.782	35.764	4.25	9.668	4200.0	2.518	34.909	5.61	2.146
1000.0	9.503	35.736	4.28	9.385	4250.0	2.504	34.908	5.61	2.127
1050.0	9.516	35.790	4.26	9.391	4300.0	2.502	34.906	5.62	2.118
1100.0	9.360	35.816	4.34	9.231	4350.0	2.497	34.906	5.61	2.108
1150.0	8.804	35.730	4.49	8.673	4400.0	2.493	34.904	5.62	2.098
1200.0	8.399	35.664	4.61	8.265	4450.0	2.494	34.904	5.62	2.093
1250.0	8.253	35.677	4.65	8.115	4500.0	2.490	34.903	5.62	2.083
1300.0	7.861	35.639	4.77	7.720	4550.0	2.487	34.902	5.61	2.074
1350.0	7.478	35.581	4.89	7.336	4600.0	2.488	34.901	5.60	2.069
1400.0	6.859	35.475	5.09	6.717	4650.0	2.487	34.900	5.60	2.062
1450.0	6.390	35.393	5.25	6.247	4700.0	2.490	34.900	5.60	2.059
1500.0	6.144	35.365	5.31	5.999	4750.0	2.494	34.900	5.59	2.056
1550.0	5.917	35.334	5.38	5.770	4800.0	2.499	34.900	5.59	2.055
1600.0	5.551	35.274	5.50	5.403	4850.0	2.504	34.899	5.59	2.054
1650.0	5.217	35.218	5.58	5.068	4900.0	2.510	34.899	5.59	2.052
1700.0	4.870	35.165	5.71	4.720	4950.0	2.514	34.899	5.61	2.050
1750.0	4.730	35.143	5.73	4.577	5000.0	2.519	34.899	5.60	2.049
1800.0	4.799	35.168	5.61	4.640	5050.0	2.525	34.899	5.60	2.048
1850.0	4.590	35.138	5.67	4.429	5100.0	2.530	34.899	5.60	2.047
1900.0	4.231	35.076	5.80	4.070	5150.0	2.536	34.899	5.62	2.046
1950.0	4.037	35.048	5.86	3.874	5176.0	2.538	34.899	5.61	2.045
2000.0	4.072	35.064	5.79	3.903					
2050.0	4.013	35.060	5.77	3.840					
2100.0	3.871	35.042	5.79	3.696					
2150.0	3.645	35.006	5.88	3.468					
2200.0	3.527	34.993	5.94	3.347					
2250.0	3.537	35.005	5.84	3.352					
2300.0	3.496	35.005	5.79	3.307					
2350.0	3.419	35.000	5.78	3.226					
2400.0	3.370	34.996	5.77	3.173					
2450.0	3.280	34.988	5.82	3.079					
2500.0	3.220	34.984	5.82	3.016					
2550.0	3.169	34.980	5.81	2.961					
2600.0	3.110	34.975	5.83	2.898					
2650.0	3.056	34.970	5.80	2.840					
2700.0	3.011	34.966	5.79	2.791					
2750.0	2.994	34.964	5.76	2.769					
2800.0	2.962	34.961	5.77	2.732					
2850.0	2.924	34.958	5.75	2.690					
2900.0	2.884	34.954	5.72	2.646					
2950.0	2.850	34.951	5.71	2.607					
3000.0	2.818	34.948	5.69	2.571					



Station 54

Station	: 55	Campagne	: ARCANE 98
Date	: 08-07-98	Navire	: LA THALASSA
Profondeur	: 5334	Organisme	: IFREMER
Position	: N 39 38.90		
	W 15 42.93		

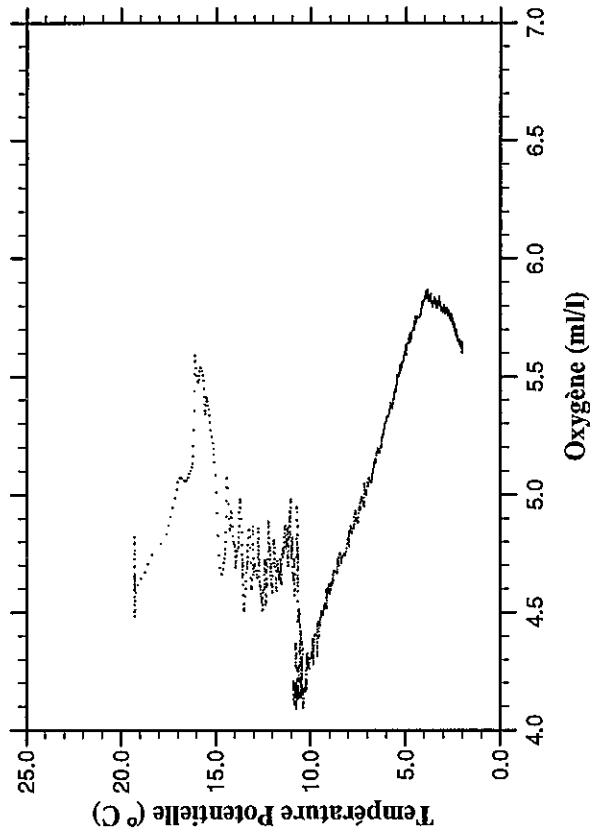
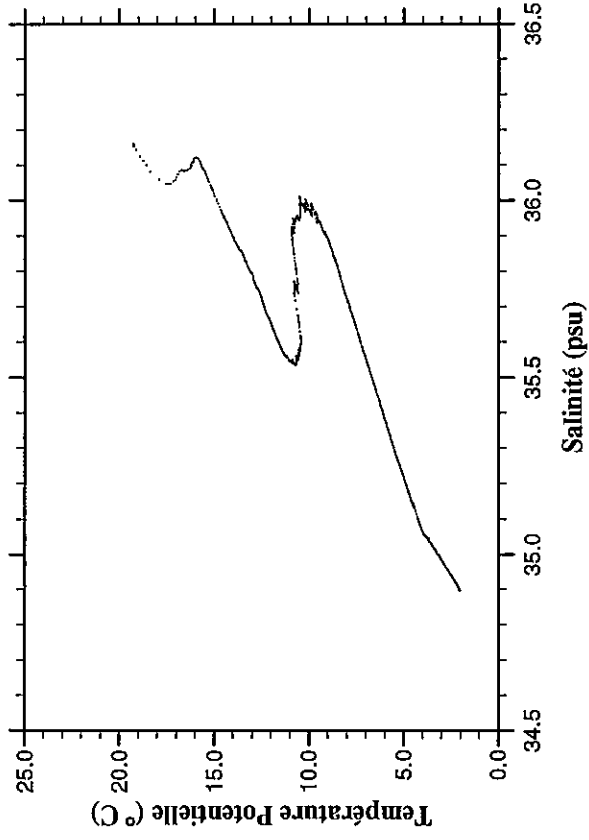
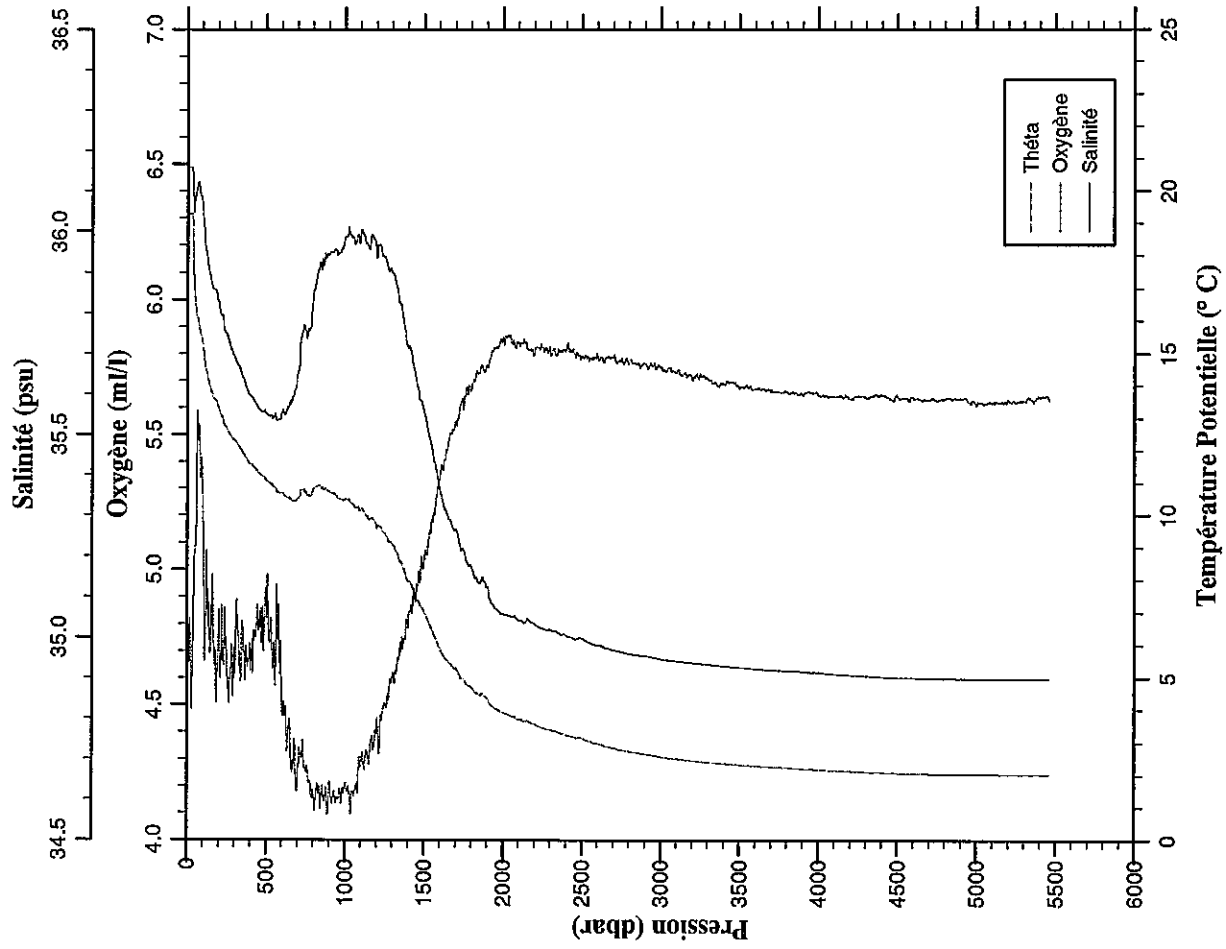
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.765	36.144	4.73	19.765	3050.0	2.791	34.944	5.72	2.539
10.0	19.661	36.156	4.92	19.659	3100.0	2.766	34.942	5.72	2.509
20.0	19.592	36.155	5.01	19.589	3150.0	2.742	34.940	5.71	2.481
30.0	18.698	36.143	5.18	18.692	3200.0	2.718	34.937	5.69	2.452
40.0	17.149	36.095	5.64	17.143	3250.0	2.696	34.935	5.69	2.426
50.0	15.911	36.053	6.00	15.903	3300.0	2.679	34.934	5.67	2.404
100.0	14.250	35.927	5.61	14.235	3350.0	2.665	34.932	5.67	2.385
150.0	13.463	35.827	5.32	13.442	3400.0	2.656	34.931	5.66	2.371
200.0	12.947	35.765	5.30	12.919	3450.0	2.643	34.929	5.66	2.353
250.0	12.466	35.705	5.22	12.433	3500.0	2.630	34.927	5.65	2.334
300.0	12.151	35.671	5.03	12.111	3550.0	2.615	34.925	5.65	2.314
350.0	11.848	35.628	5.06	11.802	3600.0	2.603	34.923	5.64	2.296
400.0	11.571	35.599	5.08	11.519	3650.0	2.590	34.922	5.64	2.279
450.0	11.361	35.585	4.95	11.303	3700.0	2.582	34.921	5.63	2.265
500.0	11.200	35.574	4.89	11.136	3750.0	2.572	34.919	5.63	2.250
550.0	11.077	35.583	4.81	11.008	3800.0	2.568	34.919	5.63	2.241
600.0	10.957	35.614	4.65	10.881	3850.0	2.559	34.916	5.63	2.226
650.0	10.949	35.677	4.47	10.867	3900.0	2.550	34.915	5.63	2.212
700.0	11.010	35.767	4.29	10.921	3950.0	2.539	34.914	5.63	2.196
750.0	11.038	35.846	4.17	10.942	4000.0	2.530	34.912	5.62	2.180
800.0	11.005	35.903	4.14	10.902	4050.0	2.520	34.911	5.63	2.165
850.0	10.947	35.946	4.08	10.838	4100.0	2.510	34.909	5.63	2.150
900.0	10.863	35.984	4.07	10.748	4150.0	2.500	34.908	5.63	2.135
950.0	10.753	36.007	4.08	10.632	4200.0	2.496	34.907	5.63	2.124
1000.0	10.666	36.027	4.08	10.540	4250.0	2.491	34.905	5.63	2.114
1050.0	10.516	36.023	4.12	10.383	4300.0	2.487	34.904	5.63	2.104
1100.0	10.329	36.027	4.18	10.192	4350.0	2.482	34.904	5.63	2.093
1150.0	10.209	36.037	4.21	10.066	4400.0	2.478	34.902	5.63	2.084
1200.0	9.762	35.966	4.34	9.616	4450.0	2.478	34.902	5.64	2.078
1250.0	9.331	35.895	4.48	9.183	4500.0	2.478	34.901	5.63	2.072
1300.0	8.640	35.775	4.64	8.492	4550.0	2.480	34.901	5.64	2.067
1350.0	8.015	35.663	4.82	7.867	4600.0	2.482	34.900	5.63	2.063
1400.0	7.453	35.566	5.00	7.305	4650.0	2.483	34.900	5.64	2.058
1450.0	6.907	35.477	5.16	6.759	4700.0	2.487	34.899	5.64	2.056
1500.0	6.309	35.378	5.34	6.162	4750.0	2.489	34.898	5.63	2.051
1550.0	5.849	35.302	5.50	5.702	4800.0	2.492	34.898	5.64	2.048
1600.0	5.530	35.253	5.59	5.382	4850.0	2.498	34.898	5.64	2.048
1650.0	5.174	35.195	5.68	5.025	4900.0	2.502	34.898	5.64	2.045
1700.0	4.962	35.164	5.74	4.810	4950.0	2.506	34.898	5.60	2.043
1750.0	4.721	35.129	5.81	4.568	5000.0	2.511	34.897	5.61	2.041
1800.0	4.556	35.106	5.85	4.400	5050.0	2.515	34.898	5.60	2.039
1850.0	4.417	35.090	5.88	4.258	5100.0	2.521	34.897	5.60	2.038
1900.0	4.280	35.070	5.89	4.118	5150.0	2.526	34.897	5.60	2.037
1950.0	4.168	35.063	5.87	4.002	5200.0	2.532	34.897	5.61	2.036
2000.0	4.030	35.044	5.89	3.862	5250.0	2.538	34.897	5.61	2.035
2050.0	3.957	35.044	5.87	3.785	5300.0	2.544	34.897	5.60	2.034
2100.0	3.863	35.036	5.86	3.687	5350.0	2.550	34.896	5.61	2.034
2150.0	3.740	35.023	5.89	3.561	5400.0	2.557	34.896	5.61	2.034
2200.0	3.667	35.017	5.88	3.485	5425.0	2.560	34.897	5.58	2.034
2250.0	3.568	35.007	5.89	3.383					
2300.0	3.483	35.002	5.86	3.294					
2350.0	3.407	34.998	5.84	3.215					
2400.0	3.342	34.993	5.84	3.145					
2450.0	3.281	34.989	5.81	3.081					
2500.0	3.231	34.985	5.79	3.026					
2550.0	3.190	34.982	5.79	2.981					
2600.0	3.112	34.975	5.78	2.900					
2650.0	3.065	34.970	5.77	2.849					
2700.0	3.032	34.967	5.76	2.811					
2750.0	2.995	34.964	5.76	2.770					
2800.0	2.952	34.960	5.75	2.723					
2850.0	2.899	34.955	5.75	2.666					
2900.0	2.872	34.952	5.74	2.634					
2950.0	2.846	34.950	5.74	2.604					
3000.0	2.805	34.946	5.73	2.558					



Station 55

Station	: 56	Campagne	: ARCANE 98
Date	: 09-07-98	Navire	: LA THALASSA
Profondeur	: 5363	Organisme	: IFREMER
Position	: N 39 37.02		
	W 15 5.11		

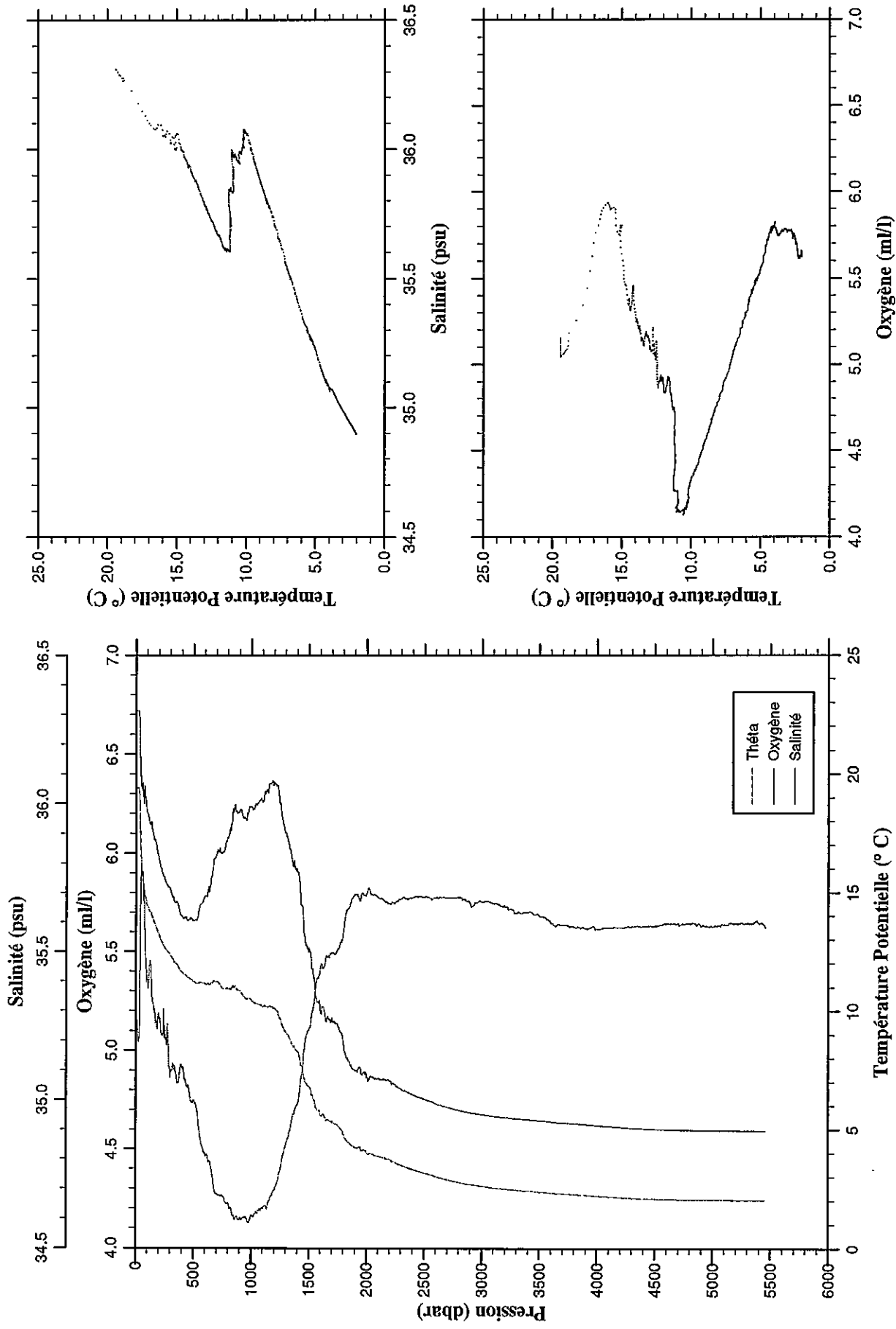
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.289	36.154	4.66	19.289	3050.0	2.801	34.945	5.75	2.549
10.0	19.291	36.160	4.62	19.289	3100.0	2.778	34.942	5.73	2.522
20.0	19.294	36.160	4.75	19.290	3150.0	2.757	34.940	5.73	2.496
30.0	19.285	36.159	4.51	19.279	3200.0	2.733	34.938	5.70	2.467
40.0	17.495	36.049	4.87	17.488	3250.0	2.713	34.937	5.72	2.442
50.0	16.627	36.085	5.06	16.619	3300.0	2.695	34.934	5.71	2.419
100.0	15.187	36.037	5.22	15.172	3350.0	2.679	34.933	5.69	2.398
150.0	13.869	35.876	4.78	13.847	3400.0	2.668	34.931	5.69	2.382
200.0	13.353	35.826	4.79	13.325	3450.0	2.649	34.928	5.69	2.358
250.0	12.746	35.751	4.65	12.712	3500.0	2.639	34.927	5.67	2.343
300.0	12.374	35.692	4.64	12.334	3550.0	2.624	34.925	5.68	2.323
350.0	11.998	35.643	4.81	11.951	3600.0	2.613	34.924	5.67	2.306
400.0	11.645	35.597	4.63	11.593	3650.0	2.602	34.923	5.67	2.291
450.0	11.379	35.566	4.78	11.321	3700.0	2.594	34.921	5.67	2.277
500.0	11.159	35.552	4.91	11.095	3750.0	2.585	34.920	5.66	2.263
550.0	10.955	35.547	4.72	10.886	3800.0	2.572	34.918	5.66	2.244
600.0	10.775	35.558	4.51	10.700	3850.0	2.560	34.919	5.66	2.227
650.0	10.599	35.574	4.42	10.518	3900.0	2.552	34.917	5.65	2.214
700.0	10.624	35.649	4.24	10.537	3950.0	2.548	34.915	5.66	2.204
750.0	10.811	35.758	4.26	10.717	4000.0	2.538	34.915	5.65	2.189
800.0	10.939	35.855	4.17	10.837	4050.0	2.533	34.912	5.65	2.178
850.0	10.930	35.906	4.17	10.821	4100.0	2.524	34.911	5.64	2.164
900.0	10.853	35.946	4.20	10.738	4150.0	2.516	34.909	5.64	2.150
950.0	10.658	35.944	4.16	10.538	4200.0	2.512	34.908	5.63	2.140
1000.0	10.644	35.989	4.21	10.517	4250.0	2.507	34.907	5.65	2.130
1050.0	10.468	35.988	4.18	10.336	4300.0	2.501	34.906	5.64	2.118
1100.0	10.356	36.005	4.29	10.218	4350.0	2.497	34.905	5.65	2.108
1150.0	10.014	35.959	4.28	9.873	4400.0	2.493	34.904	5.65	2.098
1200.0	9.726	35.936	4.41	9.580	4450.0	2.490	34.903	5.63	2.089
1250.0	9.586	35.938	4.50	9.435	4500.0	2.486	34.902	5.64	2.079
1300.0	9.257	35.900	4.60	9.103	4550.0	2.486	34.901	5.64	2.073
1350.0	8.720	35.820	4.73	8.565	4600.0	2.487	34.901	5.63	2.068
1400.0	8.122	35.713	4.80	7.967	4650.0	2.489	34.901	5.63	2.063
1450.0	7.662	35.639	4.91	7.506	4700.0	2.491	34.900	5.63	2.059
1500.0	7.181	35.557	5.05	7.024	4750.0	2.494	34.900	5.62	2.056
1550.0	6.669	35.469	5.19	6.512	4800.0	2.497	34.899	5.63	2.053
1600.0	6.049	35.361	5.34	5.894	4850.0	2.500	34.899	5.63	2.050
1650.0	5.690	35.300	5.46	5.534	4900.0	2.504	34.899	5.63	2.047
1700.0	5.459	35.266	5.55	5.301	4950.0	2.508	34.899	5.62	2.045
1750.0	5.134	35.213	5.59	4.975	5000.0	2.514	34.899	5.61	2.045
1800.0	4.883	35.172	5.69	4.722	5050.0	2.519	34.898	5.61	2.042
1850.0	4.648	35.135	5.73	4.486	5100.0	2.523	34.899	5.62	2.040
1900.0	4.555	35.125	5.76	4.389	5150.0	2.529	34.898	5.62	2.039
1950.0	4.233	35.072	5.83	4.067	5200.0	2.534	34.898	5.63	2.038
2000.0	4.106	35.058	5.86	3.936	5250.0	2.540	34.898	5.62	2.037
2050.0	4.007	35.051	5.85	3.834	5300.0	2.546	34.898	5.62	2.036
2100.0	3.905	35.042	5.84	3.728	5350.0	2.550	34.898	5.63	2.034
2150.0	3.857	35.042	5.83	3.677	5400.0	2.557	34.898	5.64	2.034
2200.0	3.771	35.035	5.80	3.587	5450.0	2.564	34.898	5.64	2.034
2250.0	3.663	35.024	5.83	3.476	5458.0	2.565	34.898	5.63	2.034
2300.0	3.603	35.020	5.79	3.412					
2350.0	3.531	35.014	5.82	3.336					
2400.0	3.453	35.005	5.82	3.255					
2450.0	3.390	34.999	5.80	3.188					
2500.0	3.355	34.998	5.79	3.148					
2550.0	3.266	34.989	5.79	3.056					
2600.0	3.198	34.981	5.78	2.984					
2650.0	3.130	34.975	5.79	2.912					
2700.0	3.069	34.969	5.79	2.848					
2750.0	3.018	34.965	5.78	2.792					
2800.0	2.974	34.961	5.77	2.744					
2850.0	2.941	34.958	5.76	2.707					
2900.0	2.911	34.955	5.77	2.672					
2950.0	2.876	34.952	5.76	2.633					
3000.0	2.832	34.948	5.75	2.584					



Station 56

Station	: 57	Campagne	: ARCANE 98
Date	: 09-07-98	Navire	: LA THALASSA
Profondeur	: 5360	Organisme	: IFREMER
Position	: N 39 35.02		
	W 14 27.98		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.445	36.313	5.09	19.445	3050.0	2.837	34.948	5.76	2.584
10.0	19.421	36.312	5.13	19.419	3100.0	2.810	34.946	5.74	2.552
20.0	19.433	36.313	5.05	19.430	3150.0	2.786	34.944	5.74	2.524
30.0	19.076	36.286	5.08	19.070	3200.0	2.770	34.941	5.73	2.504
40.0	17.023	36.100	5.70	17.016	3250.0	2.754	34.940	5.72	2.482
50.0	15.985	36.051	5.93	15.977	3300.0	2.736	34.938	5.70	2.459
100.0	14.458	35.967	5.37	14.444	3350.0	2.719	34.936	5.70	2.438
150.0	13.874	35.896	5.24	13.853	3400.0	2.704	34.934	5.70	2.417
200.0	13.239	35.813	5.18	13.211	3450.0	2.692	34.933	5.69	2.400
250.0	12.708	35.745	5.12	12.673	3500.0	2.669	34.930	5.68	2.372
300.0	12.389	35.709	4.88	12.348	3550.0	2.658	34.929	5.67	2.356
350.0	12.037	35.669	4.87	11.991	3600.0	2.638	34.927	5.64	2.331
400.0	11.682	35.619	4.91	11.630	3650.0	2.625	34.925	5.64	2.313
450.0	11.464	35.605	4.82	11.406	3700.0	2.612	34.924	5.64	2.295
500.0	11.306	35.604	4.75	11.242	3750.0	2.605	34.922	5.63	2.282
550.0	11.249	35.648	4.59	11.179	3800.0	2.596	34.921	5.63	2.268
600.0	11.226	35.688	4.47	11.149	3850.0	2.589	34.919	5.62	2.255
650.0	11.243	35.743	4.41	11.160	3900.0	2.579	34.918	5.61	2.240
700.0	11.323	35.831	4.27	11.232	3950.0	2.565	34.916	5.63	2.220
750.0	11.058	35.834	4.27	10.962	4000.0	2.554	34.915	5.62	2.204
800.0	11.024	35.888	4.23	10.922	4050.0	2.544	34.914	5.62	2.189
850.0	11.118	35.975	4.16	11.008	4100.0	2.536	34.912	5.62	2.176
900.0	10.976	35.981	4.15	10.860	4150.0	2.525	34.910	5.62	2.158
950.0	10.656	35.951	4.16	10.535	4200.0	2.514	34.909	5.62	2.142
1000.0	10.593	35.991	4.16	10.467	4250.0	2.506	34.907	5.63	2.128
1050.0	10.429	35.998	4.18	10.298	4300.0	2.499	34.906	5.63	2.116
1100.0	10.315	36.007	4.20	10.178	4350.0	2.494	34.905	5.63	2.105
1150.0	10.329	36.053	4.23	10.185	4400.0	2.491	34.904	5.63	2.096
1200.0	10.276	36.073	4.29	10.125	4450.0	2.487	34.903	5.63	2.086
1250.0	9.832	35.998	4.39	9.679	4500.0	2.487	34.902	5.63	2.080
1300.0	9.281	35.902	4.52	9.126	4550.0	2.487	34.901	5.64	2.074
1350.0	8.791	35.816	4.64	8.635	4600.0	2.487	34.901	5.64	2.067
1400.0	8.456	35.771	4.73	8.298	4650.0	2.489	34.900	5.64	2.064
1450.0	7.523	35.612	4.95	7.368	4700.0	2.490	34.900	5.64	2.058
1500.0	6.945	35.505	5.11	6.791	4750.0	2.493	34.899	5.64	2.055
1550.0	6.297	35.389	5.27	6.145	4800.0	2.497	34.899	5.64	2.053
1600.0	5.751	35.299	5.42	5.600	4850.0	2.500	34.899	5.64	2.050
1650.0	5.526	35.265	5.48	5.372	4900.0	2.505	34.898	5.63	2.048
1700.0	5.529	35.278	5.49	5.370	4950.0	2.510	34.898	5.63	2.046
1750.0	5.332	35.250	5.51	5.170	5000.0	2.514	34.898	5.63	2.045
1800.0	4.964	35.187	5.61	4.803	5050.0	2.519	34.898	5.63	2.043
1850.0	4.622	35.131	5.73	4.460	5100.0	2.525	34.898	5.64	2.042
1900.0	4.414	35.100	5.79	4.250	5150.0	2.530	34.898	5.64	2.040
1950.0	4.313	35.092	5.78	4.145	5200.0	2.535	34.898	5.64	2.039
2000.0	4.187	35.076	5.80	4.016	5250.0	2.541	34.897	5.65	2.038
2050.0	4.125	35.076	5.79	3.951	5300.0	2.547	34.898	5.65	2.037
2100.0	4.057	35.073	5.77	3.879	5350.0	2.553	34.897	5.64	2.037
2150.0	3.988	35.069	5.76	3.805	5400.0	2.559	34.897	5.64	2.036
2200.0	3.911	35.065	5.75	3.724	5450.0	2.565	34.897	5.62	2.035
2250.0	3.797	35.051	5.75	3.607	5452.0	2.566	34.897	5.62	2.035
2300.0	3.693	35.038	5.77	3.501					
2350.0	3.600	35.029	5.77	3.404					
2400.0	3.518	35.018	5.78	3.318					
2450.0	3.441	35.010	5.78	3.238					
2500.0	3.379	35.004	5.78	3.172					
2550.0	3.312	34.996	5.77	3.101					
2600.0	3.234	34.989	5.78	3.020					
2650.0	3.164	34.983	5.78	2.946					
2700.0	3.108	34.977	5.78	2.886					
2750.0	3.052	34.971	5.77	2.826					
2800.0	3.012	34.967	5.77	2.782					
2850.0	2.962	34.962	5.77	2.727					
2900.0	2.919	34.957	5.74	2.681					
2950.0	2.899	34.955	5.75	2.655					
3000.0	2.865	34.952	5.75	2.617					



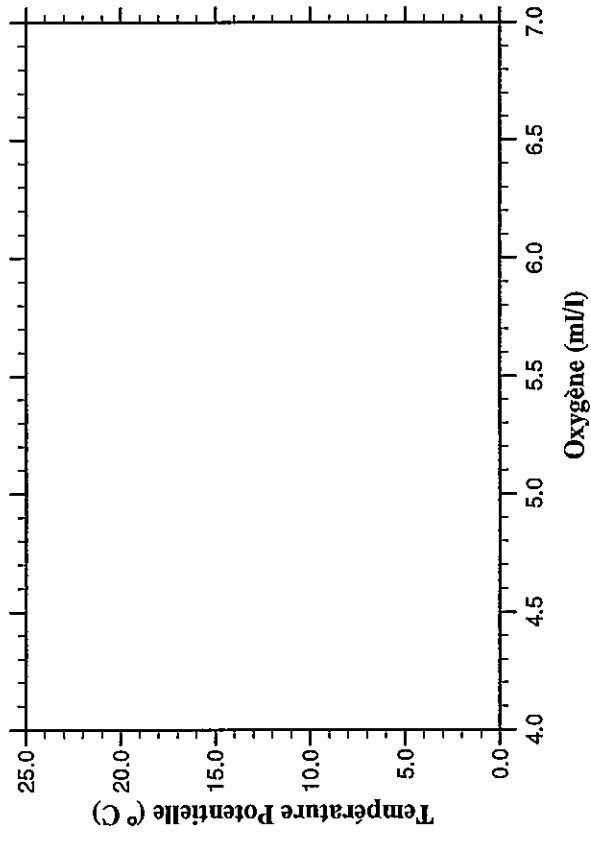
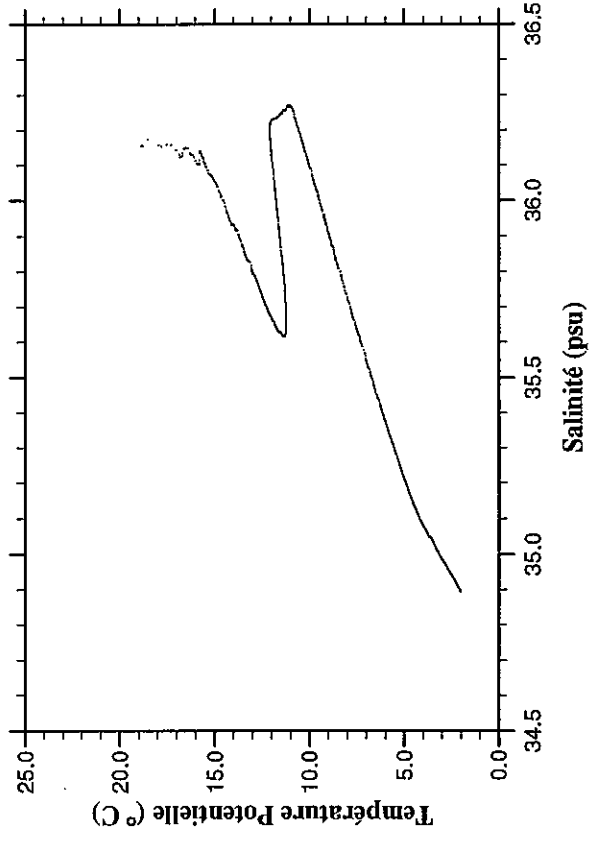
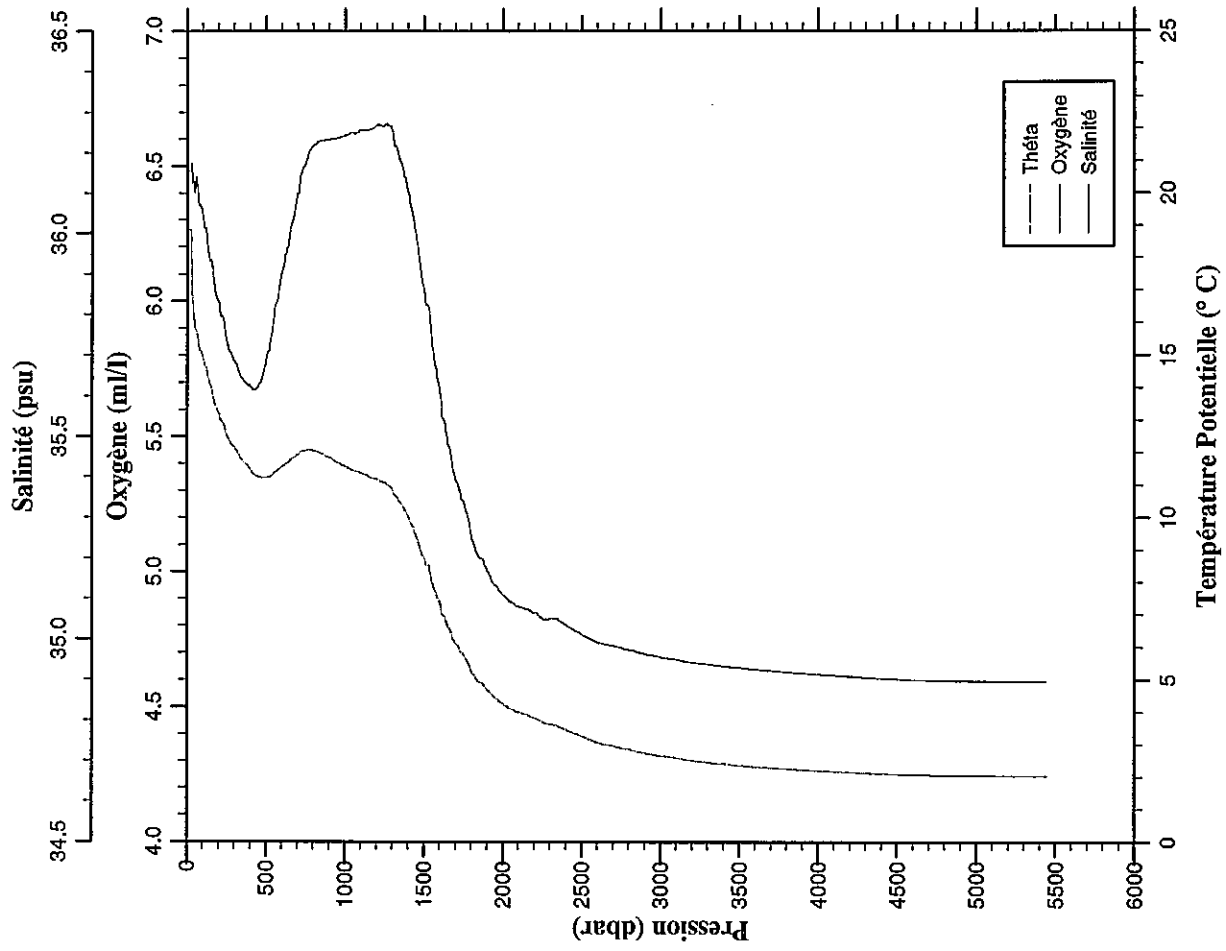
Station 57

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| Station   : 58           Campagne  : ARCANE 98
| Date     : 09-07-98    Navire    : LA THALASSA
| Profondeur : 5349      Organisme : IFREMER
| Position  : N 39 33.08
|           : W 13 49.67
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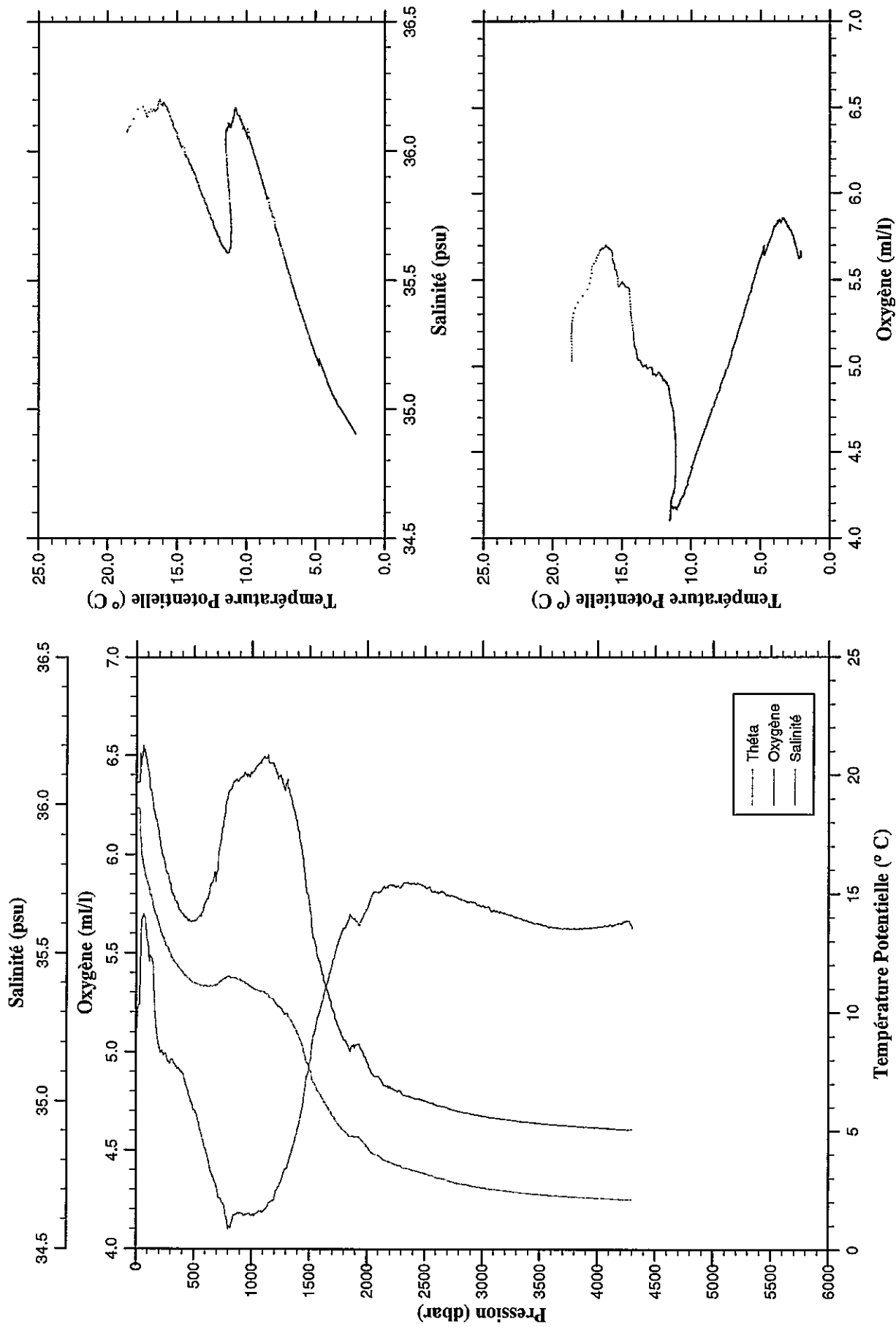
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.879	36.157	****	18.879	3050.0	2.892	34.954	****	2.639
10.0	18.883	36.156	****	18.881	3100.0	2.870	34.951	****	2.611
20.0	18.881	36.156	****	18.877	3150.0	2.824	34.946	****	2.561
30.0	17.324	36.159	****	17.319	3200.0	2.796	34.944	****	2.528
40.0	16.295	36.136	****	16.288	3250.0	2.764	34.940	****	2.492
50.0	15.861	36.102	****	15.853	3300.0	2.746	34.939	****	2.469
100.0	14.927	36.046	****	14.912	3350.0	2.719	34.937	****	2.437
150.0	14.096	35.934	****	14.074	3400.0	2.708	34.935	****	2.421
200.0	13.264	35.830	****	13.236	3450.0	2.687	34.932	****	2.396
250.0	12.560	35.735	****	12.526	3500.0	2.668	34.930	****	2.371
300.0	12.188	35.685	****	12.148	3550.0	2.652	34.928	****	2.350
350.0	11.818	35.643	****	11.772	3600.0	2.637	34.927	****	2.330
400.0	11.534	35.622	****	11.482	3650.0	2.623	34.924	****	2.311
450.0	11.320	35.628	****	11.263	3700.0	2.608	34.923	****	2.291
500.0	11.308	35.689	****	11.244	3750.0	2.598	34.921	****	2.275
550.0	11.447	35.795	****	11.376	3800.0	2.587	34.920	****	2.259
600.0	11.666	35.906	****	11.587	3850.0	2.576	34.918	****	2.243
650.0	11.853	36.000	****	11.767	3900.0	2.569	34.917	****	2.230
700.0	12.039	36.100	****	11.944	3950.0	2.558	34.915	****	2.214
750.0	12.178	36.174	****	12.076	4000.0	2.549	34.914	****	2.200
800.0	12.182	36.219	****	12.072	4050.0	2.541	34.912	****	2.186
850.0	12.095	36.231	****	11.979	4100.0	2.535	34.912	****	2.174
900.0	11.972	36.234	****	11.850	4150.0	2.526	34.910	****	2.160
950.0	11.824	36.238	****	11.695	4200.0	2.522	34.909	****	2.150
1000.0	11.723	36.244	****	11.589	4250.0	2.514	34.908	****	2.136
1050.0	11.602	36.250	****	11.461	4300.0	2.507	34.907	****	2.124
1100.0	11.531	36.256	****	11.384	4350.0	2.505	34.905	****	2.115
1150.0	11.416	36.257	****	11.262	4400.0	2.500	34.904	****	2.104
1200.0	11.346	36.268	****	11.187	4450.0	2.496	34.903	****	2.095
1250.0	11.252	36.267	****	11.086	4500.0	2.491	34.902	****	2.083
1300.0	11.028	36.257	****	10.857	4550.0	2.484	34.901	****	2.071
1350.0	10.630	36.180	****	10.456	4600.0	2.485	34.900	****	2.066
1400.0	10.223	36.103	****	10.047	4650.0	2.489	34.900	****	2.063
1450.0	9.609	35.992	****	9.432	4700.0	2.492	34.899	****	2.061
1500.0	8.909	35.862	****	8.734	4750.0	2.493	34.899	****	2.055
1550.0	8.174	35.729	****	8.000	4800.0	2.495	34.899	****	2.051
1600.0	7.524	35.610	****	7.352	4850.0	2.499	34.898	****	2.049
1650.0	6.813	35.484	****	6.644	4900.0	2.504	34.897	****	2.047
1700.0	6.279	35.393	****	6.111	4950.0	2.507	34.898	****	2.044
1750.0	5.945	35.338	****	5.775	5000.0	2.512	34.898	****	2.043
1800.0	5.430	35.253	****	5.262	5050.0	2.518	34.897	****	2.042
1850.0	5.107	35.203	****	4.938	5100.0	2.523	34.897	****	2.040
1900.0	4.886	35.169	****	4.715	5150.0	2.529	34.897	****	2.039
1950.0	4.640	35.134	****	4.467	5200.0	2.534	34.897	****	2.038
2000.0	4.438	35.109	****	4.264	5250.0	2.540	34.897	****	2.037
2050.0	4.301	35.094	****	4.124	5300.0	2.545	34.897	****	2.036
2100.0	4.197	35.081	****	4.016	5350.0	2.551	34.897	****	2.035
2150.0	4.130	35.075	****	3.945	5400.0	2.558	34.896	****	2.034
2200.0	4.028	35.066	****	3.840	5441.0	2.562	34.897	****	2.033
2250.0	3.911	35.052	****	3.720					
2300.0	3.838	35.051	****	3.643					
2350.0	3.793	35.050	****	3.594					
2400.0	3.686	35.036	****	3.483					
2450.0	3.575	35.023	****	3.370					
2500.0	3.484	35.014	****	3.275					
2550.0	3.392	35.002	****	3.180					
2600.0	3.293	34.993	****	3.078					
2650.0	3.246	34.988	****	3.027					
2700.0	3.205	34.986	****	2.981					
2750.0	3.143	34.980	****	2.915					
2800.0	3.106	34.976	****	2.873					
2850.0	3.046	34.970	****	2.809					
2900.0	2.991	34.965	****	2.751					
2950.0	2.954	34.961	****	2.709					
3000.0	2.914	34.956	****	2.665					



Station 58

Station	: 59	Campagne	: ARCANE 98
Date	: 10-07-98	Navire	: LA THALASSA
Profondeur	: 4218	Organisme	: IFREMER
Position	: N 39 30.90		
	W 13 12.02		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.634	36.077	5.03	18.633	3050.0	2.814	34.948	5.74	2.562
10.0	18.647	36.076	5.16	18.645	3100.0	2.793	34.945	5.72	2.536
20.0	18.634	36.076	5.24	18.630	3150.0	2.770	34.943	5.71	2.509
30.0	18.606	36.081	5.26	18.600	3200.0	2.746	34.940	5.70	2.480
40.0	17.188	36.133	5.56	17.181	3250.0	2.719	34.938	5.70	2.448
50.0	16.573	36.159	5.67	16.564	3300.0	2.697	34.935	5.68	2.421
100.0	15.434	36.121	5.55	15.419	3350.0	2.669	34.932	5.67	2.389
150.0	14.429	35.986	5.38	14.407	3400.0	2.655	34.930	5.66	2.370
200.0	13.650	35.892	5.02	13.621	3450.0	2.640	34.928	5.65	2.349
250.0	12.987	35.798	4.99	12.952	3500.0	2.617	34.926	5.65	2.322
300.0	12.457	35.724	4.96	12.417	3550.0	2.602	34.924	5.64	2.302
350.0	12.091	35.671	4.92	12.044	3600.0	2.584	34.922	5.63	2.279
400.0	11.794	35.634	4.89	11.741	3650.0	2.573	34.921	5.63	2.263
450.0	11.516	35.610	4.80	11.458	3700.0	2.567	34.919	5.62	2.251
500.0	11.326	35.609	4.71	11.262	3750.0	2.558	34.917	5.63	2.237
550.0	11.237	35.628	4.61	11.167	3800.0	2.551	34.917	5.63	2.224
600.0	11.212	35.673	4.51	11.135	3850.0	2.544	34.916	5.63	2.211
650.0	11.200	35.734	4.39	11.117	3900.0	2.533	34.914	5.63	2.195
700.0	11.255	35.778	4.30	11.165	3950.0	2.523	34.912	5.63	2.180
750.0	11.487	35.926	4.23	11.388	4000.0	2.518	34.910	5.63	2.170
800.0	11.631	36.042	4.11	11.525	4050.0	2.514	34.910	5.64	2.159
850.0	11.567	36.077	4.18	11.454	4100.0	2.504	34.909	5.64	2.144
900.0	11.513	36.092	4.18	11.393	4150.0	2.496	34.907	5.65	2.130
950.0	11.361	36.101	4.17	11.236	4200.0	2.483	34.905	5.65	2.112
1000.0	11.193	36.106	4.17	11.062	4250.0	2.482	34.904	5.66	2.105
1050.0	11.085	36.134	4.19	10.948	4297.0	2.483	34.904	5.63	2.101
1100.0	11.036	36.157	4.19	10.893					
1150.0	10.821	36.144	4.23	10.673					
1200.0	10.610	36.129	4.27	10.456					
1250.0	10.362	36.098	4.34	10.204					
1300.0	10.131	36.074	4.41	9.969					
1350.0	9.749	36.012	4.50	9.584					
1400.0	9.251	35.920	4.61	9.084					
1450.0	8.528	35.801	4.77	8.362					
1500.0	7.810	35.663	4.93	7.647					
1550.0	7.119	35.533	5.11	6.957					
1600.0	6.675	35.453	5.23	6.513					
1650.0	6.252	35.382	5.34	6.090					
1700.0	5.815	35.312	5.45	5.653					
1750.0	5.453	35.255	5.56	5.290					
1800.0	5.164	35.208	5.63	5.000					
1850.0	4.919	35.174	5.69	4.753					
1900.0	4.928	35.190	5.67	4.757					
1950.0	4.794	35.176	5.67	4.620					
2000.0	4.507	35.134	5.73	4.331					
2050.0	4.234	35.093	5.80	4.057					
2100.0	4.156	35.085	5.81	3.976					
2150.0	3.950	35.054	5.83	3.768					
2200.0	3.873	35.050	5.84	3.687					
2250.0	3.764	35.038	5.84	3.575					
2300.0	3.673	35.028	5.84	3.481					
2350.0	3.608	35.020	5.86	3.412					
2400.0	3.542	35.014	5.85	3.342					
2450.0	3.494	35.010	5.85	3.290					
2500.0	3.419	35.004	5.83	3.212					
2550.0	3.332	34.996	5.82	3.121					
2600.0	3.250	34.988	5.81	3.036					
2650.0	3.210	34.984	5.81	2.991					
2700.0	3.133	34.979	5.79	2.910					
2750.0	3.071	34.972	5.79	2.844					
2800.0	3.012	34.966	5.78	2.782					
2850.0	2.972	34.962	5.77	2.738					
2900.0	2.920	34.958	5.76	2.681					
2950.0	2.894	34.954	5.75	2.650					
3000.0	2.856	34.951	5.74	2.609					



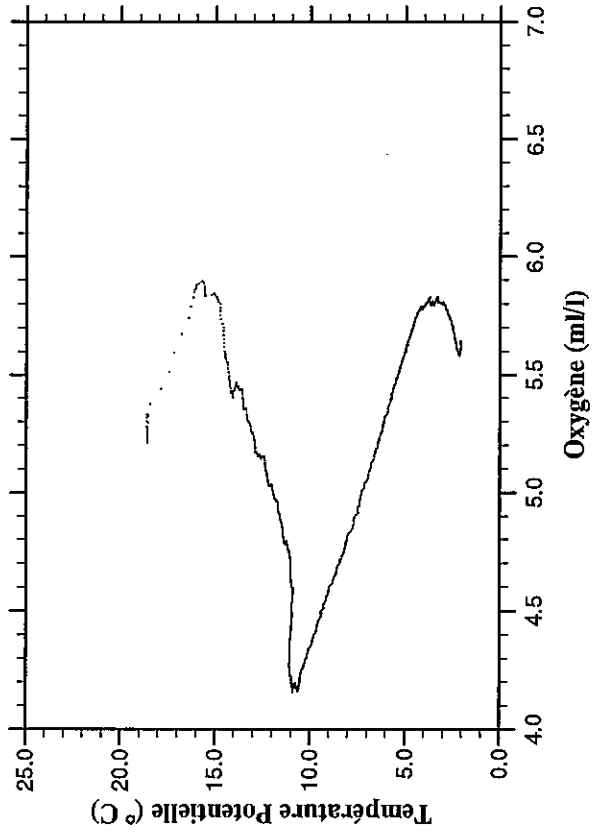
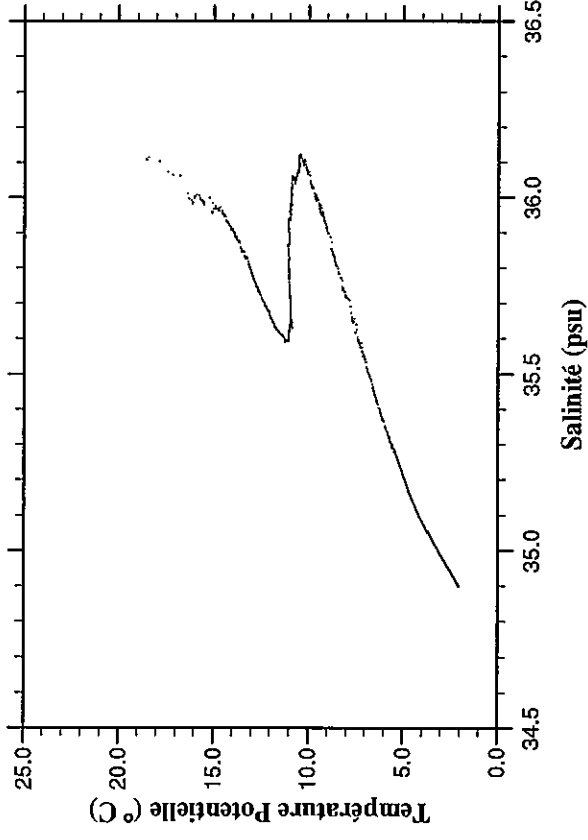
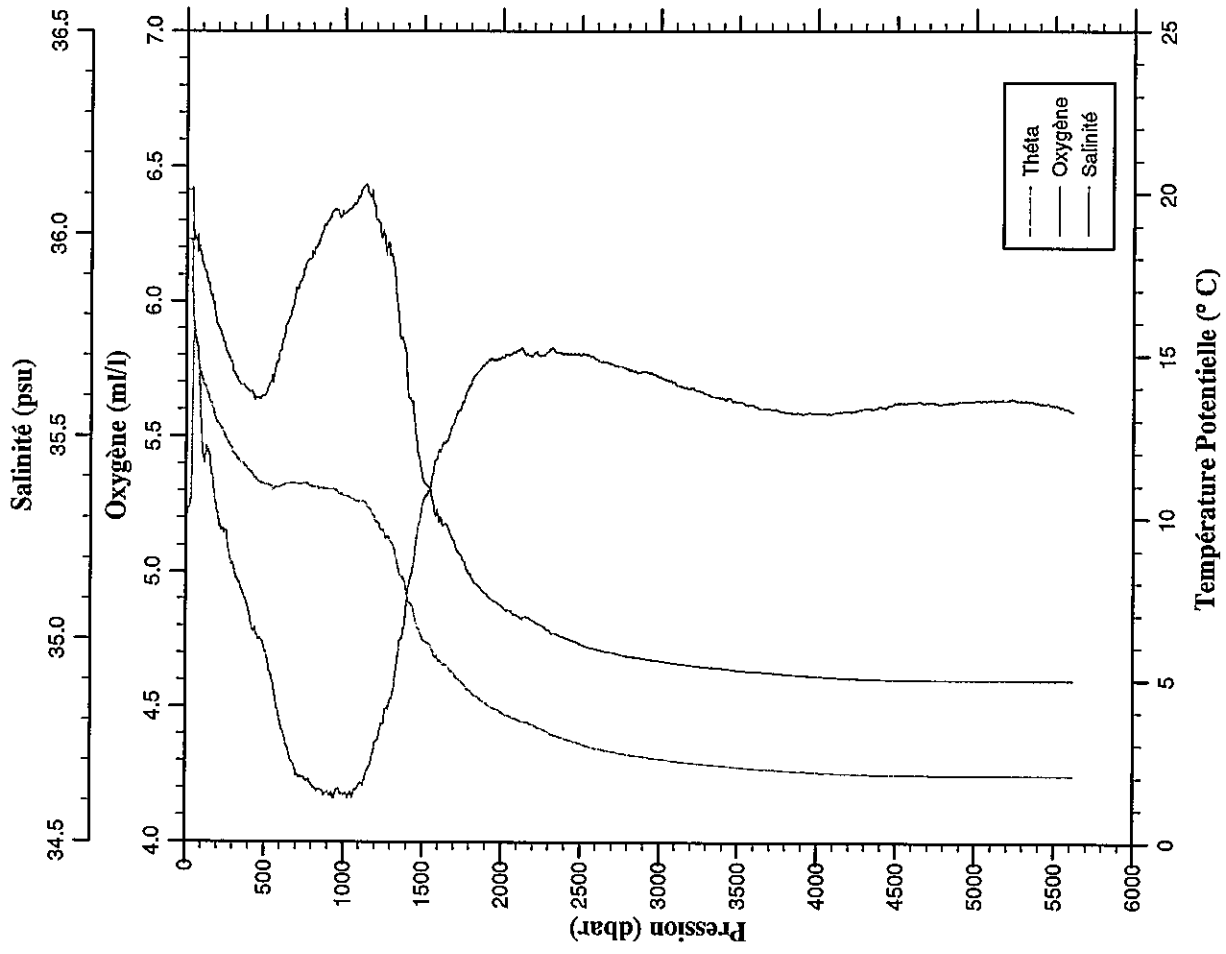
Station 59

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| Station   : 60           Campagne  : ARCANE 98
| Date     : 10-07-98    Navire   : LA THALASSA
| Profondeur : 5520      Organisme : IFREMER
| Position  : N 39 23.03
|           : W 12 50.91
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PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.605	36.112	5.33	18.604	3050.0	2.789	34.945	5.71	2.538
10.0	18.601	36.111	5.21	18.599	3100.0	2.761	34.942	5.70	2.505
20.0	18.598	36.109	5.24	18.594	3150.0	2.739	34.940	5.68	2.478
30.0	18.601	36.110	5.27	18.596	3200.0	2.715	34.938	5.68	2.449
40.0	17.190	36.064	5.59	17.183	3250.0	2.696	34.935	5.67	2.425
50.0	15.930	36.009	5.89	15.922	3300.0	2.679	34.933	5.66	2.403
100.0	14.304	35.929	5.49	14.289	3350.0	2.667	34.931	5.65	2.386
150.0	13.604	35.856	5.42	13.583	3400.0	2.651	34.930	5.64	2.365
200.0	12.961	35.772	5.22	12.933	3450.0	2.631	34.928	5.64	2.341
250.0	12.511	35.711	5.15	12.478	3500.0	2.607	34.925	5.63	2.311
300.0	12.048	35.660	5.02	12.009	3550.0	2.595	34.924	5.62	2.295
350.0	11.749	35.626	4.94	11.703	3600.0	2.587	34.921	5.61	2.281
400.0	11.504	35.611	4.85	11.453	3650.0	2.577	34.921	5.61	2.266
450.0	11.232	35.596	4.77	11.174	3700.0	2.568	34.919	5.60	2.252
500.0	11.104	35.601	4.71	11.040	3750.0	2.554	34.918	5.60	2.232
550.0	10.947	35.634	4.59	10.877	3800.0	2.541	34.916	5.59	2.215
600.0	11.047	35.712	4.44	10.971	3850.0	2.533	34.914	5.59	2.201
650.0	11.135	35.788	4.33	11.051	3900.0	2.524	34.913	5.59	2.186
700.0	11.152	35.863	4.24	11.062	3950.0	2.516	34.911	5.59	2.173
750.0	11.150	35.912	4.24	11.054	4000.0	2.508	34.910	5.59	2.159
800.0	11.065	35.952	4.21	10.963	4050.0	2.504	34.909	5.59	2.150
850.0	11.033	35.996	4.19	10.924	4100.0	2.498	34.908	5.59	2.138
900.0	11.018	36.036	4.19	10.902	4150.0	2.495	34.907	5.60	2.130
950.0	10.976	36.061	4.18	10.854	4200.0	2.493	34.906	5.60	2.122
1000.0	10.824	36.050	4.18	10.696	4250.0	2.490	34.905	5.60	2.113
1050.0	10.742	36.069	4.18	10.608	4300.0	2.485	34.904	5.61	2.102
1100.0	10.651	36.099	4.21	10.511	4350.0	2.486	34.904	5.60	2.097
1150.0	10.485	36.102	4.26	10.340	4400.0	2.487	34.903	5.61	2.092
1200.0	10.048	36.037	4.37	9.899	4450.0	2.489	34.903	5.62	2.088
1250.0	9.759	36.000	4.44	9.607	4500.0	2.493	34.902	5.62	2.086
1300.0	9.419	35.948	4.53	9.263	4550.0	2.494	34.902	5.63	2.081
1350.0	8.490	35.772	4.73	8.337	4600.0	2.500	34.902	5.63	2.081
1400.0	7.786	35.651	4.90	7.635	4650.0	2.506	34.903	5.63	2.080
1450.0	7.051	35.516	5.09	6.901	4700.0	2.512	34.902	5.63	2.080
1500.0	6.382	35.395	5.26	6.234	4750.0	2.515	34.902	5.63	2.077
1550.0	6.228	35.369	5.32	6.077	4800.0	2.522	34.901	5.63	2.077
1600.0	5.725	35.296	5.45	5.574	4850.0	2.527	34.902	5.63	2.076
1650.0	5.623	35.285	5.48	5.468	4900.0	2.534	34.901	5.63	2.077
1700.0	5.330	35.240	5.56	5.174	4950.0	2.541	34.901	5.63	2.076
1750.0	5.071	35.199	5.63	4.913	5000.0	2.547	34.902	5.64	2.076
1800.0	4.824	35.162	5.69	4.664	5050.0	2.554	34.901	5.64	2.076
1850.0	4.625	35.134	5.74	4.463	5100.0	2.560	34.901	5.64	2.075
1900.0	4.465	35.114	5.78	4.301	5150.0	2.565	34.901	5.64	2.074
1950.0	4.307	35.095	5.78	4.139	5200.0	2.572	34.901	5.64	2.074
2000.0	4.160	35.081	5.80	3.989	5250.0	2.579	34.901	5.64	2.074
2050.0	4.064	35.072	5.81	3.890	5300.0	2.586	34.901	5.63	2.074
2100.0	3.965	35.060	5.82	3.788	5350.0	2.592	34.901	5.63	2.074
2150.0	3.895	35.057	5.80	3.714	5400.0	2.599	34.901	5.62	2.074
2200.0	3.804	35.047	5.80	3.619	5450.0	2.606	34.901	5.63	2.074
2250.0	3.696	35.036	5.80	3.508	5500.0	2.613	34.901	5.62	2.074
2300.0	3.581	35.023	5.82	3.390	5550.0	2.620	34.901	5.61	2.074
2350.0	3.473	35.013	5.81	3.279	5600.0	2.626	34.901	5.60	2.074
2400.0	3.383	35.004	5.81	3.186	5618.0	2.630	34.901	5.59	2.075
2450.0	3.319	34.998	5.81	3.118					
2500.0	3.240	34.989	5.80	3.036					
2550.0	3.162	34.982	5.80	2.954					
2600.0	3.099	34.976	5.79	2.887					
2650.0	3.055	34.972	5.78	2.839					
2700.0	3.020	34.969	5.77	2.800					
2750.0	2.964	34.963	5.76	2.740					
2800.0	2.932	34.959	5.75	2.704					
2850.0	2.908	34.957	5.74	2.674					
2900.0	2.873	34.954	5.74	2.636					
2950.0	2.848	34.951	5.73	2.606					
3000.0	2.822	34.948	5.72	2.575					



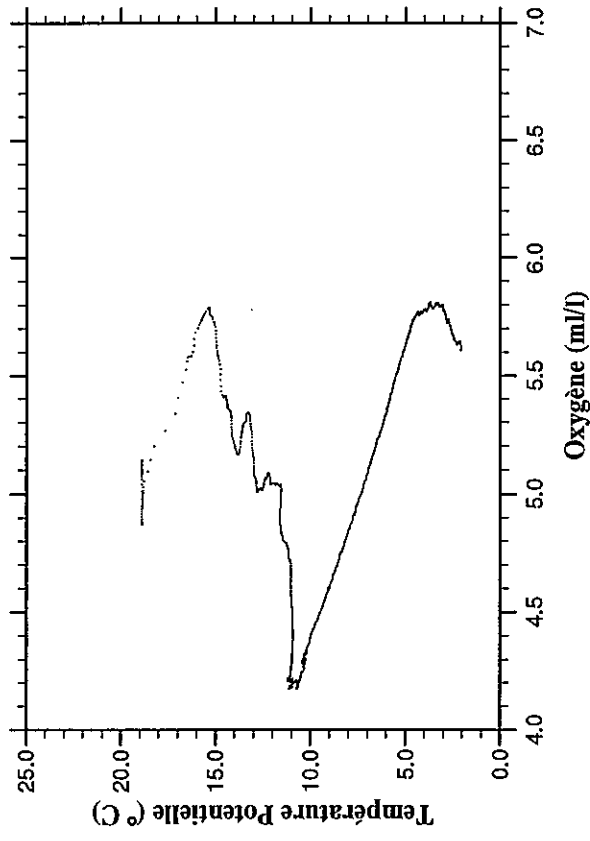
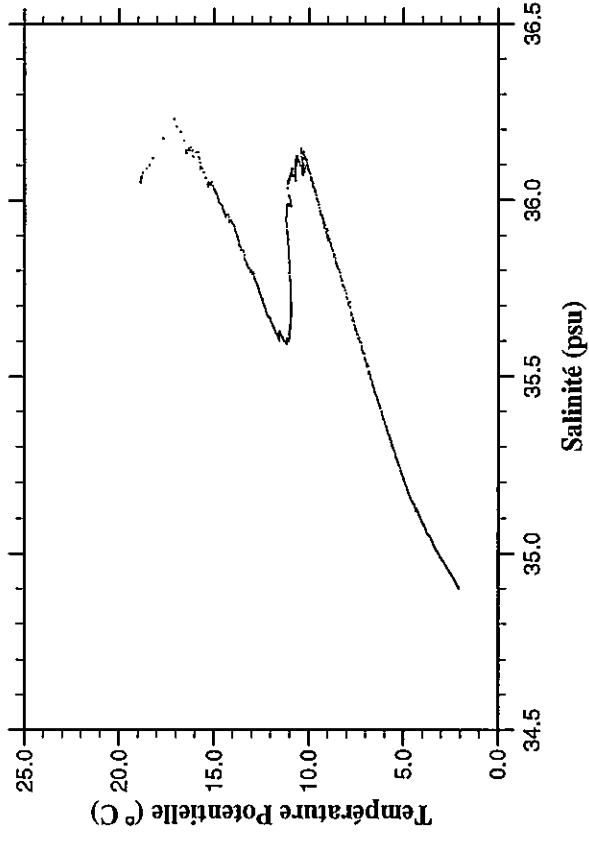
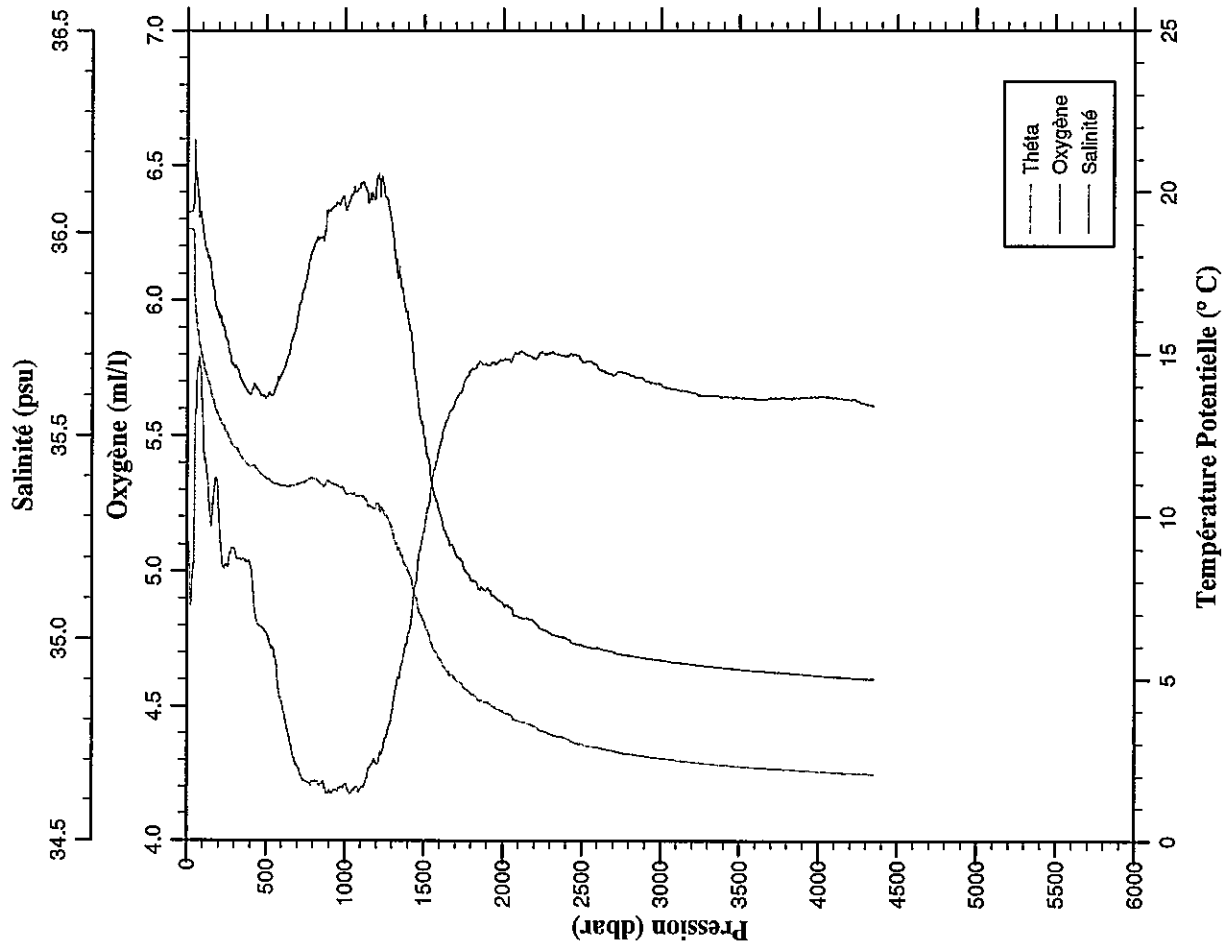
Station 60

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| Station   : 61           Campagne  : ARCANE 98
| Date     : 10-07-98    Navire    : LA THALASSA
| Profondeur : 4278      Organisme : IFREMER
| Position  : N 39 38.08
|           : W 12 33.13
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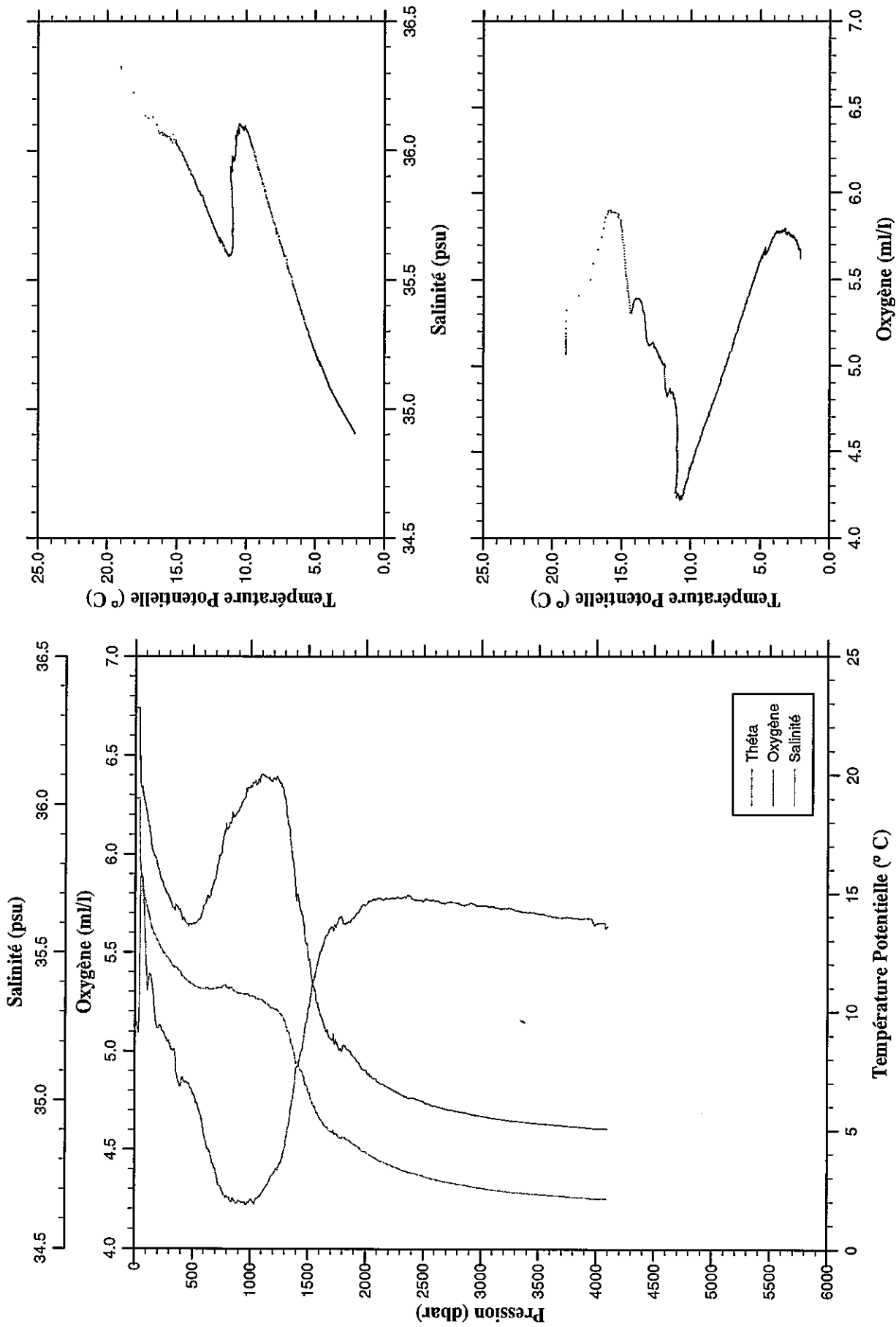
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.888	36.053	5.14	18.888	3050.0	2.793	34.946	5.68	2.542
10.0	18.883	36.052	5.09	18.882	3100.0	2.766	34.943	5.67	2.510
20.0	18.882	36.052	4.89	18.879	3150.0	2.744	34.941	5.67	2.483
30.0	18.878	36.054	4.95	18.873	3200.0	2.723	34.939	5.66	2.457
40.0	18.835	36.068	5.02	18.828	3250.0	2.706	34.936	5.65	2.435
50.0	16.595	36.170	5.53	16.587	3300.0	2.680	34.933	5.65	2.404
100.0	14.838	36.013	5.56	14.823	3350.0	2.660	34.931	5.65	2.380
150.0	13.925	35.914	5.17	13.903	3400.0	2.648	34.930	5.65	2.363
200.0	13.119	35.801	5.21	13.091	3450.0	2.631	34.928	5.65	2.341
250.0	12.644	35.739	5.02	12.610	3500.0	2.616	34.926	5.64	2.321
300.0	12.195	35.669	5.08	12.155	3550.0	2.598	34.924	5.64	2.298
350.0	11.863	35.632	5.04	11.817	3600.0	2.585	34.922	5.64	2.279
400.0	11.601	35.601	5.02	11.549	3650.0	2.579	34.921	5.64	2.268
450.0	11.483	35.611	4.81	11.425	3700.0	2.566	34.919	5.64	2.250
500.0	11.263	35.596	4.77	11.199	3750.0	2.563	34.918	5.64	2.241
550.0	11.113	35.608	4.70	11.043	3800.0	2.552	34.917	5.64	2.225
600.0	11.053	35.650	4.51	10.977	3850.0	2.540	34.915	5.64	2.208
650.0	11.030	35.708	4.37	10.948	3900.0	2.531	34.914	5.64	2.193
700.0	11.118	35.799	4.27	11.029	3950.0	2.516	34.912	5.64	2.173
750.0	11.189	35.880	4.22	11.092	4000.0	2.505	34.910	5.64	2.156
800.0	11.292	35.962	4.22	11.188	4050.0	2.499	34.908	5.64	2.145
850.0	11.123	35.989	4.21	11.013	4100.0	2.492	34.907	5.64	2.133
900.0	11.204	36.056	4.19	11.087	4150.0	2.484	34.906	5.64	2.118
950.0	11.094	36.074	4.19	10.971	4200.0	2.477	34.904	5.63	2.106
1000.0	10.903	36.070	4.21	10.775	4250.0	2.469	34.904	5.63	2.093
1050.0	10.846	36.097	4.19	10.711	4300.0	2.465	34.902	5.62	2.083
1100.0	10.804	36.124	4.19	10.663	4347.0	2.465	34.902	5.61	2.077
1150.0	10.484	36.074	4.27	10.338					
1200.0	10.567	36.141	4.28	10.414					
1250.0	10.208	36.091	4.37	10.052					
1300.0	9.749	36.001	4.48	9.591					
1350.0	9.058	35.890	4.63	8.900					
1400.0	8.490	35.784	4.76	8.332					
1450.0	7.683	35.633	4.96	7.527					
1500.0	6.931	35.498	5.14	6.778					
1550.0	6.246	35.384	5.33	6.095					
1600.0	5.791	35.310	5.46	5.640					
1650.0	5.428	35.252	5.56	5.276					
1700.0	5.161	35.211	5.63	5.007					
1750.0	4.933	35.177	5.69	4.777					
1800.0	4.702	35.144	5.75	4.544					
1850.0	4.528	35.124	5.77	4.367					
1900.0	4.484	35.124	5.76	4.319					
1950.0	4.312	35.106	5.76	4.145					
2000.0	4.173	35.088	5.78	4.002					
2050.0	4.083	35.078	5.78	3.909					
2100.0	3.914	35.056	5.80	3.738					
2150.0	3.847	35.052	5.80	3.667					
2200.0	3.741	35.042	5.78	3.558					
2250.0	3.600	35.025	5.81	3.414					
2300.0	3.509	35.016	5.81	3.319					
2350.0	3.439	35.008	5.80	3.246					
2400.0	3.390	35.004	5.79	3.193					
2450.0	3.261	34.990	5.80	3.061					
2500.0	3.211	34.987	5.78	3.007					
2550.0	3.148	34.981	5.78	2.941					
2600.0	3.121	34.980	5.75	2.909					
2650.0	3.064	34.974	5.74	2.848					
2700.0	3.025	34.970	5.72	2.805					
2750.0	2.968	34.963	5.74	2.744					
2800.0	2.940	34.961	5.73	2.711					
2850.0	2.905	34.957	5.72	2.672					
2900.0	2.881	34.955	5.71	2.643					
2950.0	2.848	34.952	5.70	2.605					
3000.0	2.817	34.949	5.69	2.570					



Station 61

Station	: 62	Campagne	: ARCANE 98
Date	: 10-07-98	Navire	: LA THALASSA
Profondeur	: 4024	Organisme	: IFREMER
Position	: N 39 41.52		
	W 12 0.51		

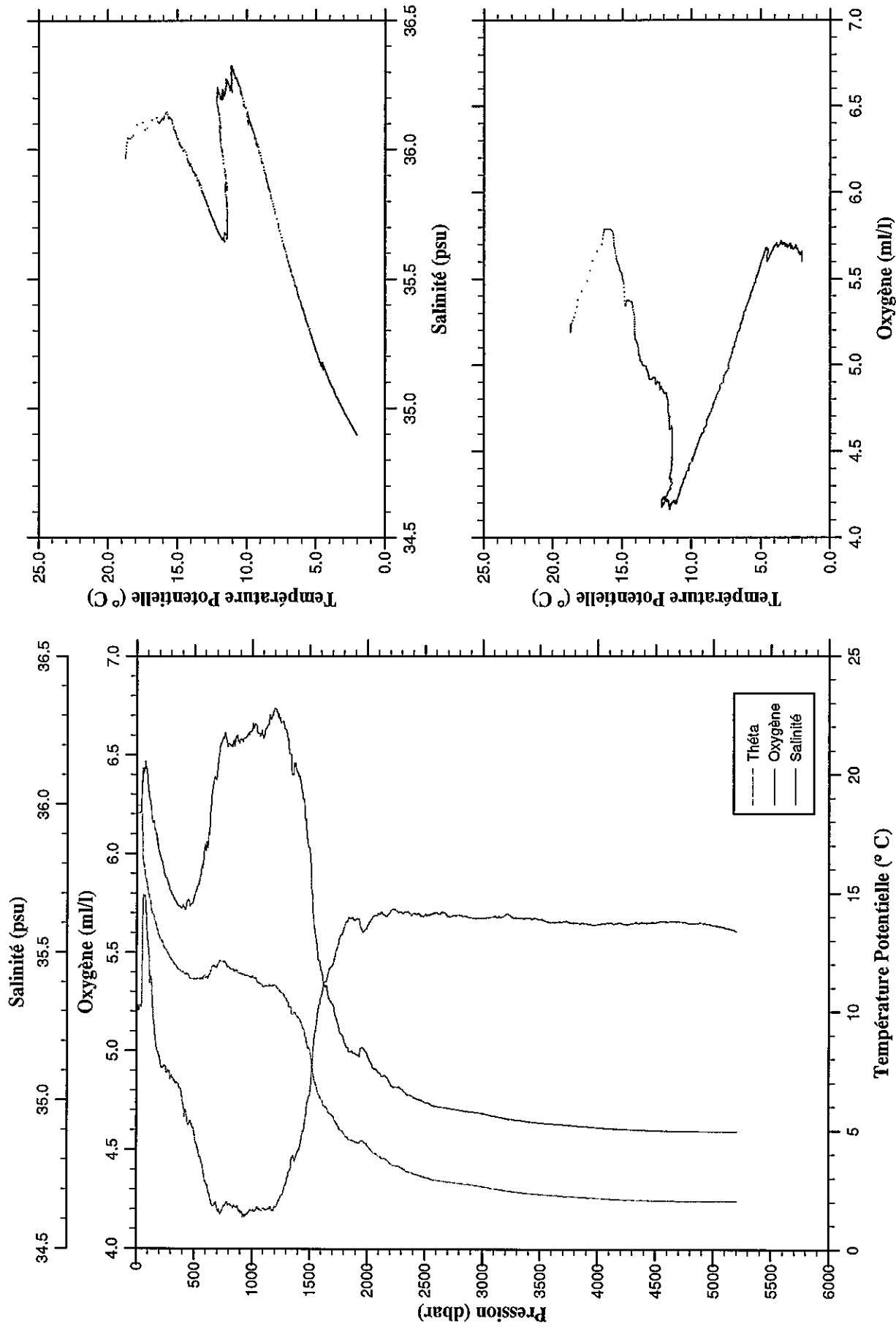
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.031	36.327	5.07	19.031	3050.0	2.781	34.945	5.74	2.529
10.0	19.034	36.327	5.15	19.032	3100.0	2.743	34.941	5.73	2.487
20.0	19.029	36.325	5.12	19.025	3150.0	2.716	34.938	5.73	2.456
30.0	19.038	36.326	5.11	19.032	3200.0	2.696	34.936	5.72	2.431
40.0	18.122	36.226	5.41	18.115	3250.0	2.671	34.933	5.73	2.401
50.0	16.002	36.061	5.90	15.994	3300.0	2.655	34.931	5.71	2.380
100.0	14.529	35.976	5.41	14.515	3350.0	2.640	34.930	5.71	2.360
150.0	13.509	35.847	5.33	13.488	3400.0	2.627	34.927	5.70	2.342
200.0	12.992	35.785	5.12	12.964	3450.0	2.606	34.925	5.70	2.317
250.0	12.511	35.721	5.09	12.477	3500.0	2.593	34.923	5.69	2.298
300.0	12.216	35.682	5.04	12.176	3550.0	2.584	34.922	5.69	2.284
350.0	11.965	35.662	4.97	11.919	3600.0	2.574	34.920	5.68	2.269
400.0	11.682	35.631	4.84	11.630	3650.0	2.559	34.919	5.68	2.249
450.0	11.368	35.597	4.84	11.311	3700.0	2.548	34.917	5.68	2.232
500.0	11.223	35.599	4.79	11.160	3750.0	2.531	34.915	5.68	2.210
550.0	11.088	35.611	4.71	11.018	3800.0	2.521	34.914	5.67	2.195
600.0	11.038	35.662	4.57	10.962	3850.0	2.508	34.912	5.67	2.177
650.0	11.032	35.691	4.49	10.950	3900.0	2.500	34.911	5.67	2.163
700.0	11.055	35.762	4.39	10.966	3950.0	2.481	34.908	5.67	2.139
750.0	11.136	35.850	4.30	11.040	4000.0	2.478	34.907	5.65	2.130
800.0	11.127	35.918	4.26	11.024	4050.0	2.480	34.907	5.65	2.127
850.0	11.015	35.957	4.25	10.906	4093.0	2.482	34.906	5.63	2.124
900.0	10.891	35.986	4.24	10.776					
950.0	10.849	36.026	4.24	10.728					
1000.0	10.777	36.062	4.24	10.649					
1050.0	10.663	36.067	4.25	10.530					
1100.0	10.639	36.103	4.28	10.499					
1150.0	10.458	36.090	4.32	10.313					
1200.0	10.300	36.091	4.38	10.150					
1250.0	10.108	36.075	4.43	9.952					
1300.0	9.763	36.018	4.51	9.604					
1350.0	8.861	35.861	4.71	8.705					
1400.0	8.002	35.680	4.92	7.848					
1450.0	7.584	35.627	5.01	7.429					
1500.0	6.753	35.481	5.21	6.601					
1550.0	6.157	35.380	5.36	6.006					
1600.0	5.631	35.294	5.49	5.481					
1650.0	5.301	35.242	5.58	5.151					
1700.0	5.093	35.209	5.63	4.940					
1750.0	4.950	35.192	5.64	4.793					
1800.0	4.876	35.185	5.65	4.716					
1850.0	4.743	35.171	5.66	4.580					
1900.0	4.573	35.148	5.68	4.406					
1950.0	4.380	35.119	5.72	4.212					
2000.0	4.260	35.104	5.74	4.088					
2050.0	4.092	35.082	5.77	3.918					
2100.0	3.926	35.063	5.78	3.750					
2150.0	3.845	35.055	5.77	3.665					
2200.0	3.734	35.043	5.78	3.551					
2250.0	3.634	35.032	5.78	3.447					
2300.0	3.542	35.022	5.78	3.352					
2350.0	3.471	35.015	5.78	3.277					
2400.0	3.405	35.009	5.77	3.208					
2450.0	3.345	35.004	5.76	3.144					
2500.0	3.275	34.997	5.76	3.070					
2550.0	3.201	34.989	5.77	2.992					
2600.0	3.145	34.983	5.76	2.932					
2650.0	3.090	34.977	5.75	2.873					
2700.0	3.038	34.972	5.75	2.817					
2750.0	3.007	34.969	5.76	2.782					
2800.0	2.959	34.964	5.75	2.730					
2850.0	2.930	34.961	5.74	2.696					
2900.0	2.887	34.956	5.75	2.649					
2950.0	2.850	34.952	5.74	2.607					
3000.0	2.817	34.949	5.74	2.570					



Station 62

Station	: 63	Campagne	: ARCANE 98
Date	: 11-07-98	Navire	: LA THALASSA
Profondeur	: 5112	Organisme	: IFREMER
Position	: N 39 45.01		
	W 11 28.06		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.740	35.967	5.19	18.739	3050.0	2.863	34.954	5.68	2.610
10.0	18.730	35.969	5.22	18.728	3100.0	2.819	34.949	5.69	2.561
20.0	18.732	35.970	5.21	18.728	3150.0	2.789	34.946	5.68	2.527
30.0	18.731	35.972	5.24	18.726	3200.0	2.753	34.941	5.70	2.487
40.0	18.702	36.003	5.23	18.695	3250.0	2.731	34.939	5.68	2.460
50.0	17.341	36.077	5.55	17.332	3300.0	2.701	34.936	5.68	2.425
100.0	15.078	36.056	5.54	15.063	3350.0	2.680	34.934	5.67	2.399
150.0	14.002	35.935	5.14	13.980	3400.0	2.656	34.931	5.68	2.371
200.0	13.162	35.828	4.95	13.134	3450.0	2.640	34.928	5.67	2.350
250.0	12.667	35.754	4.92	12.633	3500.0	2.620	34.926	5.67	2.325
300.0	12.255	35.705	4.88	12.215	3550.0	2.610	34.925	5.66	2.309
350.0	11.926	35.665	4.84	11.880	3600.0	2.600	34.924	5.66	2.294
400.0	11.764	35.662	4.73	11.712	3650.0	2.591	34.922	5.65	2.279
450.0	11.599	35.677	4.63	11.540	3700.0	2.573	34.920	5.66	2.257
500.0	11.464	35.692	4.58	11.399	3750.0	2.565	34.919	5.66	2.244
550.0	11.496	35.760	4.46	11.425	3800.0	2.557	34.918	5.65	2.230
600.0	11.505	35.846	4.34	11.427	3850.0	2.544	34.915	5.65	2.212
650.0	11.971	36.036	4.23	11.884	3900.0	2.536	34.914	5.65	2.198
700.0	12.078	36.124	4.20	11.984	3950.0	2.527	34.913	5.64	2.184
750.0	12.242	36.224	4.21	12.140	4000.0	2.515	34.911	5.64	2.166
800.0	11.996	36.205	4.23	11.888	4050.0	2.509	34.910	5.65	2.154
850.0	11.846	36.208	4.22	11.732	4100.0	2.500	34.908	5.65	2.140
900.0	11.750	36.220	4.19	11.630	4150.0	2.490	34.907	5.65	2.125
950.0	11.660	36.229	4.18	11.533	4200.0	2.487	34.905	5.65	2.116
1000.0	11.620	36.256	4.19	11.486	4250.0	2.485	34.905	5.64	2.108
1050.0	11.380	36.240	4.21	11.241	4300.0	2.483	34.905	5.65	2.100
1100.0	11.204	36.226	4.21	11.059	4350.0	2.481	34.902	5.65	2.092
1150.0	11.294	36.297	4.20	11.141	4400.0	2.480	34.903	5.65	2.085
1200.0	11.268	36.323	4.21	11.109	4450.0	2.477	34.902	5.65	2.077
1250.0	10.981	36.278	4.27	10.818	4500.0	2.479	34.902	5.65	2.073
1300.0	10.671	36.246	4.34	10.503	4550.0	2.481	34.901	5.66	2.068
1350.0	10.053	36.100	4.46	9.885	4600.0	2.483	34.901	5.66	2.064
1400.0	9.916	36.102	4.50	9.742	4650.0	2.486	34.900	5.66	2.061
1450.0	9.393	36.014	4.60	9.218	4700.0	2.489	34.899	5.66	2.058
1500.0	8.572	35.849	4.78	8.399	4750.0	2.493	34.899	5.66	2.055
1550.0	7.084	35.554	5.10	6.923	4800.0	2.496	34.899	5.65	2.052
1600.0	6.445	35.440	5.28	6.286	4850.0	2.500	34.899	5.65	2.050
1650.0	6.061	35.377	5.37	5.901	4900.0	2.505	34.899	5.65	2.048
1700.0	5.767	35.325	5.44	5.606	4950.0	2.510	34.898	5.64	2.046
1750.0	5.282	35.245	5.56	5.122	5000.0	2.515	34.898	5.64	2.045
1800.0	4.983	35.195	5.63	4.821	5050.0	2.521	34.898	5.63	2.044
1850.0	4.777	35.164	5.67	4.613	5100.0	2.528	34.898	5.62	2.045
1900.0	4.668	35.156	5.67	4.500	5150.0	2.535	34.898	5.62	2.045
1950.0	4.733	35.178	5.62	4.559	5200.0	2.542	34.897	5.61	2.045
2000.0	4.517	35.150	5.64	4.341	5202.0	2.541	34.898	5.60	2.045
2050.0	4.244	35.108	5.69	4.068					
2100.0	4.110	35.093	5.70	3.931					
2150.0	4.002	35.083	5.69	3.819					
2200.0	3.782	35.056	5.71	3.598					
2250.0	3.701	35.045	5.71	3.513					
2300.0	3.613	35.038	5.70	3.422					
2350.0	3.458	35.019	5.71	3.264					
2400.0	3.384	35.011	5.70	3.187					
2450.0	3.315	35.005	5.70	3.114					
2500.0	3.224	34.994	5.69	3.020					
2550.0	3.164	34.986	5.69	2.956					
2600.0	3.119	34.980	5.71	2.907					
2650.0	3.089	34.977	5.70	2.873					
2700.0	3.067	34.975	5.69	2.845					
2750.0	3.039	34.971	5.69	2.813					
2800.0	3.006	34.968	5.69	2.776					
2850.0	2.981	34.965	5.68	2.747					
2900.0	2.962	34.964	5.68	2.722					
2950.0	2.933	34.961	5.67	2.689					
3000.0	2.899	34.958	5.68	2.650					



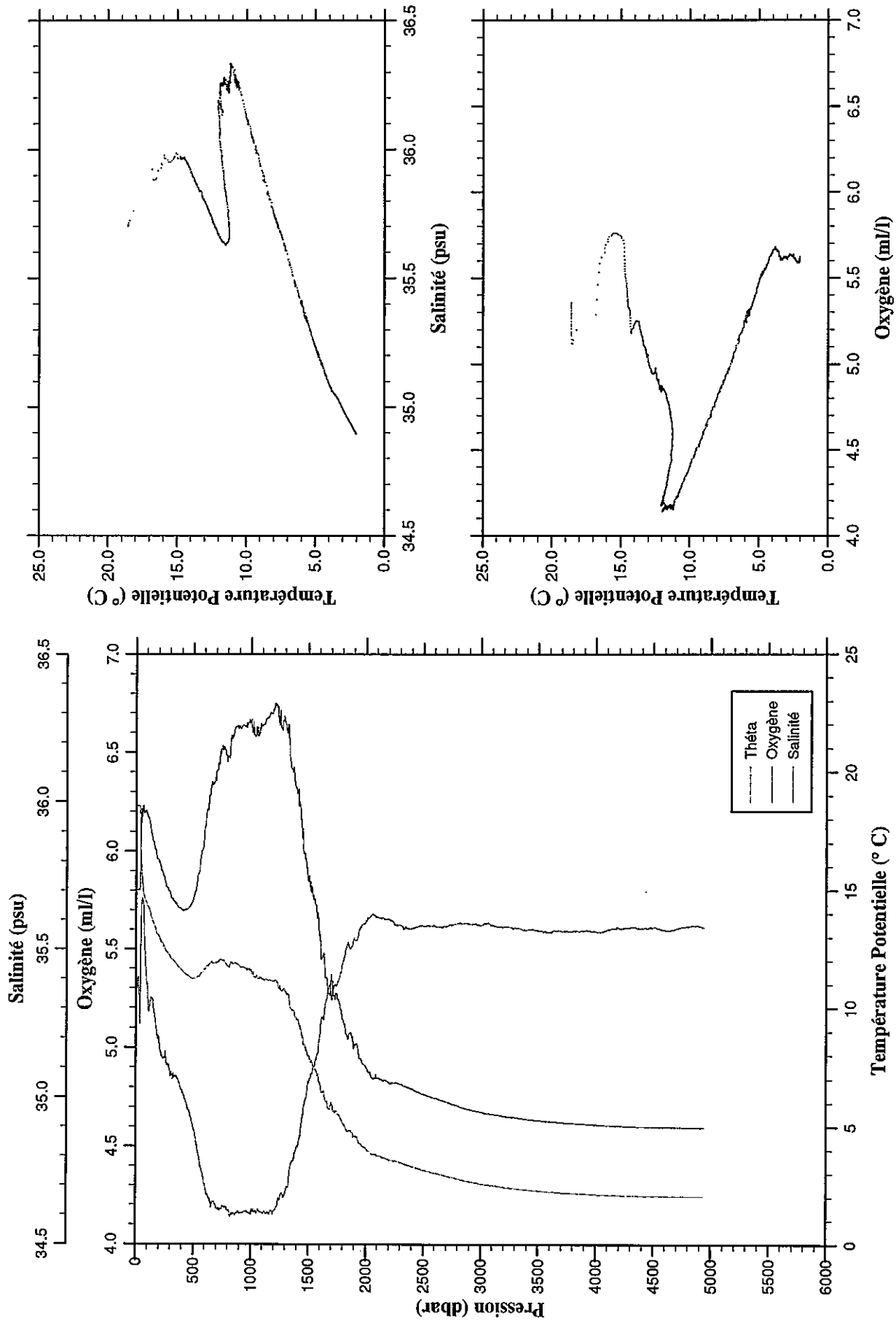
Station 63

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| Station   : 64           Campagne  : ARCANE 98
| Date     : 11-07-98    Navire    : LA THALASSA
| Profondeur : 4058      Organisme : IFREMER
| Position  : N 39 44.99
|           : W 10 57.02
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PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.597	35.703	5.17	18.597	3050.0	2.794	34.946	5.63	2.542
10.0	18.595	35.703	5.27	18.594	3100.0	2.772	34.945	5.63	2.516
20.0	18.592	35.703	5.36	18.588	3150.0	2.751	34.941	5.62	2.490
30.0	18.588	35.704	5.23	18.583	3200.0	2.705	34.938	5.62	2.440
40.0	16.695	35.883	5.46	16.689	3250.0	2.684	34.935	5.62	2.414
50.0	15.714	35.960	5.75	15.706	3300.0	2.668	34.933	5.61	2.393
100.0	14.381	35.955	5.31	14.366	3350.0	2.643	34.930	5.61	2.363
150.0	13.658	35.865	5.21	13.636	3400.0	2.621	34.927	5.60	2.336
200.0	13.065	35.799	5.05	13.037	3450.0	2.601	34.925	5.60	2.312
250.0	12.571	35.734	4.95	12.537	3500.0	2.588	34.924	5.60	2.293
300.0	12.200	35.689	4.85	12.160	3550.0	2.568	34.921	5.59	2.269
350.0	11.947	35.656	4.85	11.901	3600.0	2.558	34.919	5.59	2.253
400.0	11.634	35.634	4.78	11.582	3650.0	2.545	34.918	5.59	2.235
450.0	11.437	35.639	4.69	11.379	3700.0	2.531	34.916	5.59	2.216
500.0	11.319	35.673	4.59	11.254	3750.0	2.522	34.914	5.60	2.202
550.0	11.379	35.761	4.44	11.308	3800.0	2.517	34.914	5.60	2.191
600.0	11.741	35.917	4.31	11.662	3850.0	2.509	34.912	5.59	2.177
650.0	12.046	36.049	4.22	11.958	3900.0	2.500	34.911	5.60	2.163
700.0	12.046	36.107	4.19	11.952	3950.0	2.494	34.909	5.60	2.151
750.0	12.163	36.190	4.19	12.061	4000.0	2.490	34.908	5.59	2.142
800.0	11.896	36.155	4.17	11.789	4050.0	2.487	34.907	5.59	2.134
850.0	12.022	36.233	4.16	11.906	4100.0	2.479	34.907	5.60	2.120
900.0	11.925	36.256	4.16	11.803	4150.0	2.476	34.905	5.61	2.111
950.0	11.816	36.253	4.17	11.687	4200.0	2.473	34.904	5.61	2.102
1000.0	11.762	36.275	4.15	11.627	4250.0	2.469	34.903	5.61	2.092
1050.0	11.527	36.254	4.16	11.387	4300.0	2.470	34.902	5.61	2.087
1100.0	11.379	36.260	4.16	11.233	4350.0	2.469	34.902	5.61	2.081
1150.0	11.338	36.284	4.16	11.185	4400.0	2.468	34.902	5.61	2.074
1200.0	11.302	36.315	4.17	11.143	4450.0	2.471	34.901	5.61	2.071
1250.0	11.126	36.301	4.22	10.961	4500.0	2.472	34.900	5.61	2.066
1300.0	10.861	36.264	4.27	10.692	4550.0	2.476	34.899	5.61	2.063
1350.0	10.130	36.113	4.41	9.961	4600.0	2.478	34.900	5.60	2.060
1400.0	9.666	36.029	4.50	9.495	4650.0	2.484	34.900	5.60	2.059
1450.0	8.948	35.902	4.66	8.778	4700.0	2.488	34.900	5.61	2.056
1500.0	8.162	35.742	4.82	7.994	4750.0	2.491	34.898	5.62	2.054
1550.0	7.696	35.673	4.91	7.528	4800.0	2.494	34.899	5.61	2.050
1600.0	6.999	35.550	5.07	6.833	4850.0	2.499	34.898	5.62	2.048
1650.0	6.259	35.405	5.23	6.096	4900.0	2.502	34.898	5.62	2.045
1700.0	6.140	35.408	5.25	5.974	4939.0	2.507	34.898	5.61	2.045
1750.0	5.735	35.332	5.33	5.568					
1800.0	5.348	35.261	5.44	5.181					
1850.0	5.010	35.210	5.52	4.843					
1900.0	4.785	35.176	5.55	4.615					
1950.0	4.473	35.131	5.61	4.303					
2000.0	4.259	35.101	5.65	4.087					
2050.0	4.019	35.067	5.68	3.845					
2100.0	3.957	35.063	5.66	3.780					
2150.0	3.872	35.055	5.66	3.692					
2200.0	3.776	35.049	5.65	3.592					
2250.0	3.746	35.048	5.63	3.558					
2300.0	3.680	35.044	5.62	3.488					
2350.0	3.596	35.036	5.61	3.400					
2400.0	3.523	35.028	5.61	3.323					
2450.0	3.449	35.018	5.62	3.246					
2500.0	3.373	35.011	5.62	3.166					
2550.0	3.310	35.004	5.62	3.099					
2600.0	3.260	34.999	5.62	3.045					
2650.0	3.198	34.992	5.62	2.979					
2700.0	3.146	34.985	5.62	2.923					
2750.0	3.084	34.978	5.63	2.857					
2800.0	3.029	34.972	5.63	2.799					
2850.0	2.964	34.965	5.63	2.729					
2900.0	2.922	34.960	5.63	2.683					
2950.0	2.876	34.956	5.63	2.633					
3000.0	2.840	34.952	5.62	2.593					



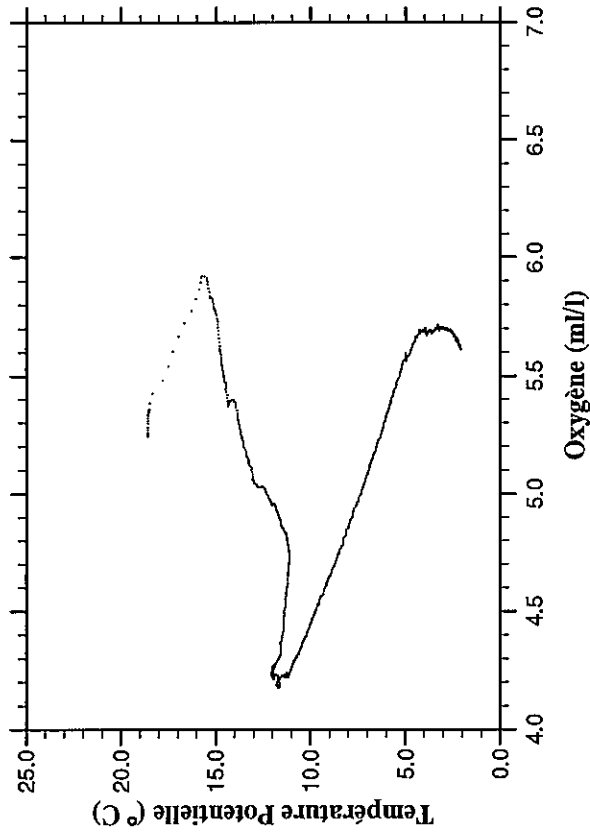
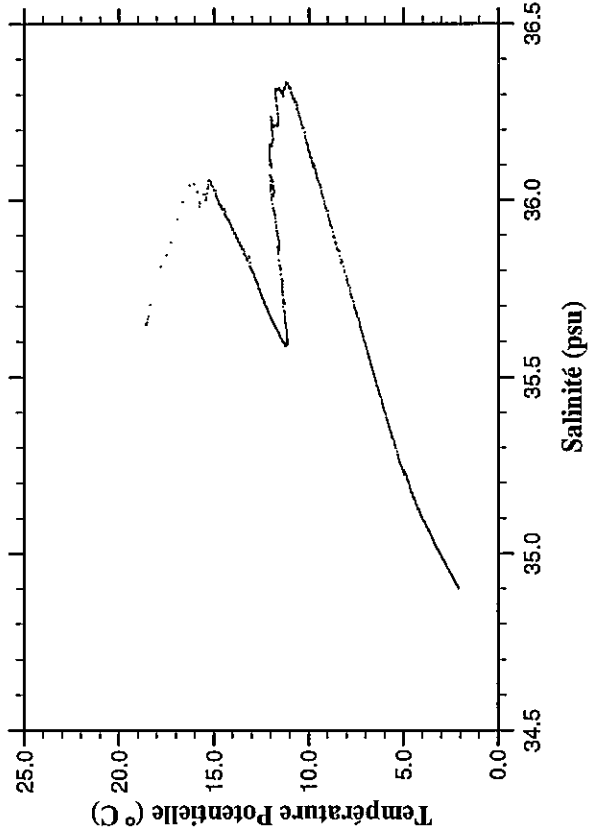
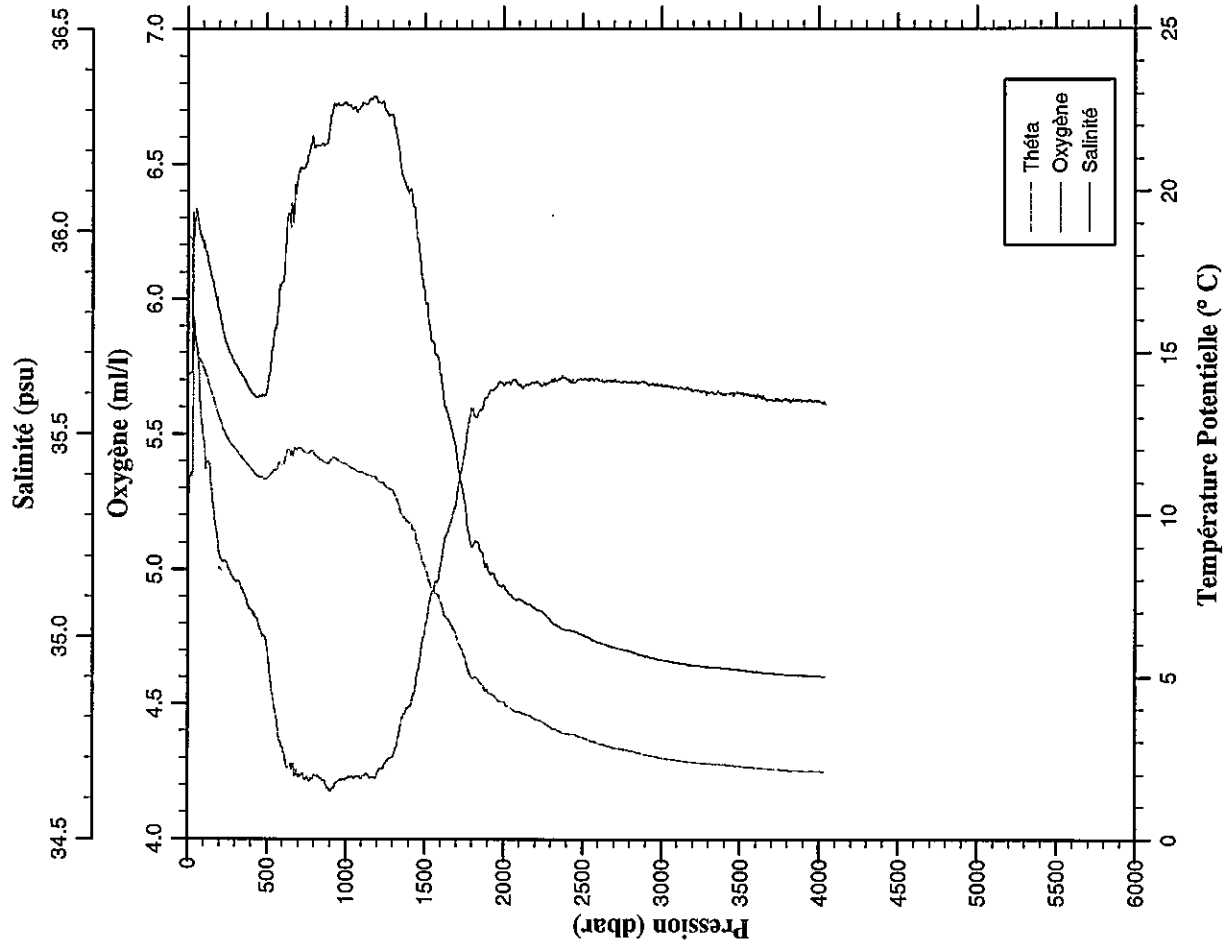
Station 64

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| Station   : 65           Campagne  : ARCANE 98
| Date      : 11-07-98    Navire    : LA THALASSA
| Profondeur : 3972       Organisme : IFREMER
| Position  : N 39 45.18
|            W 10 25.90
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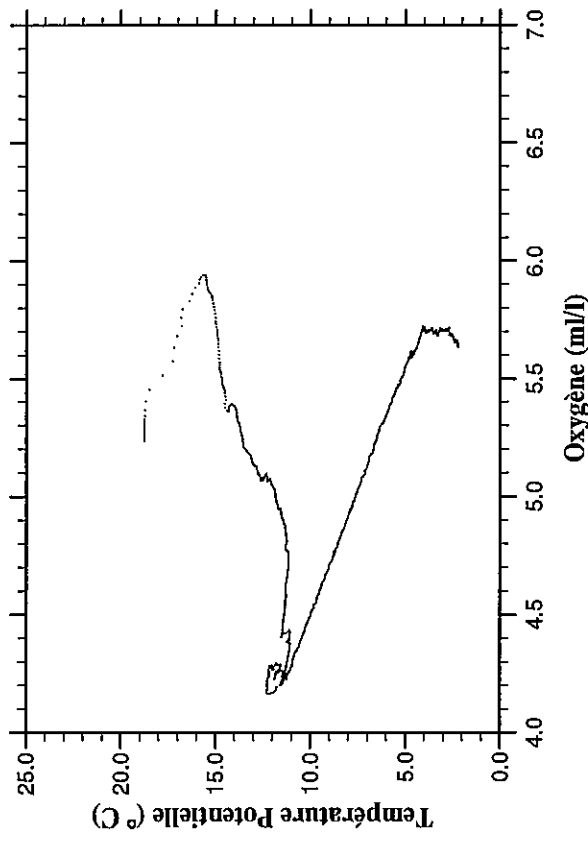
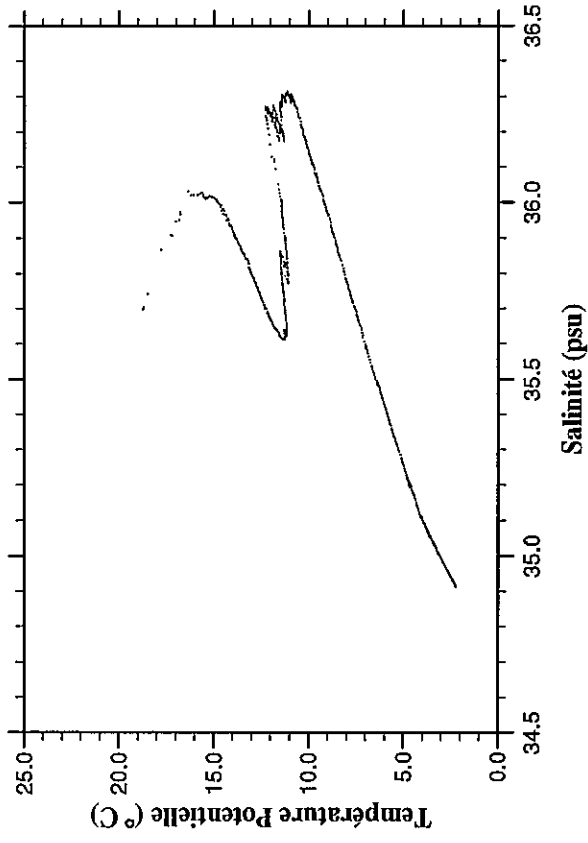
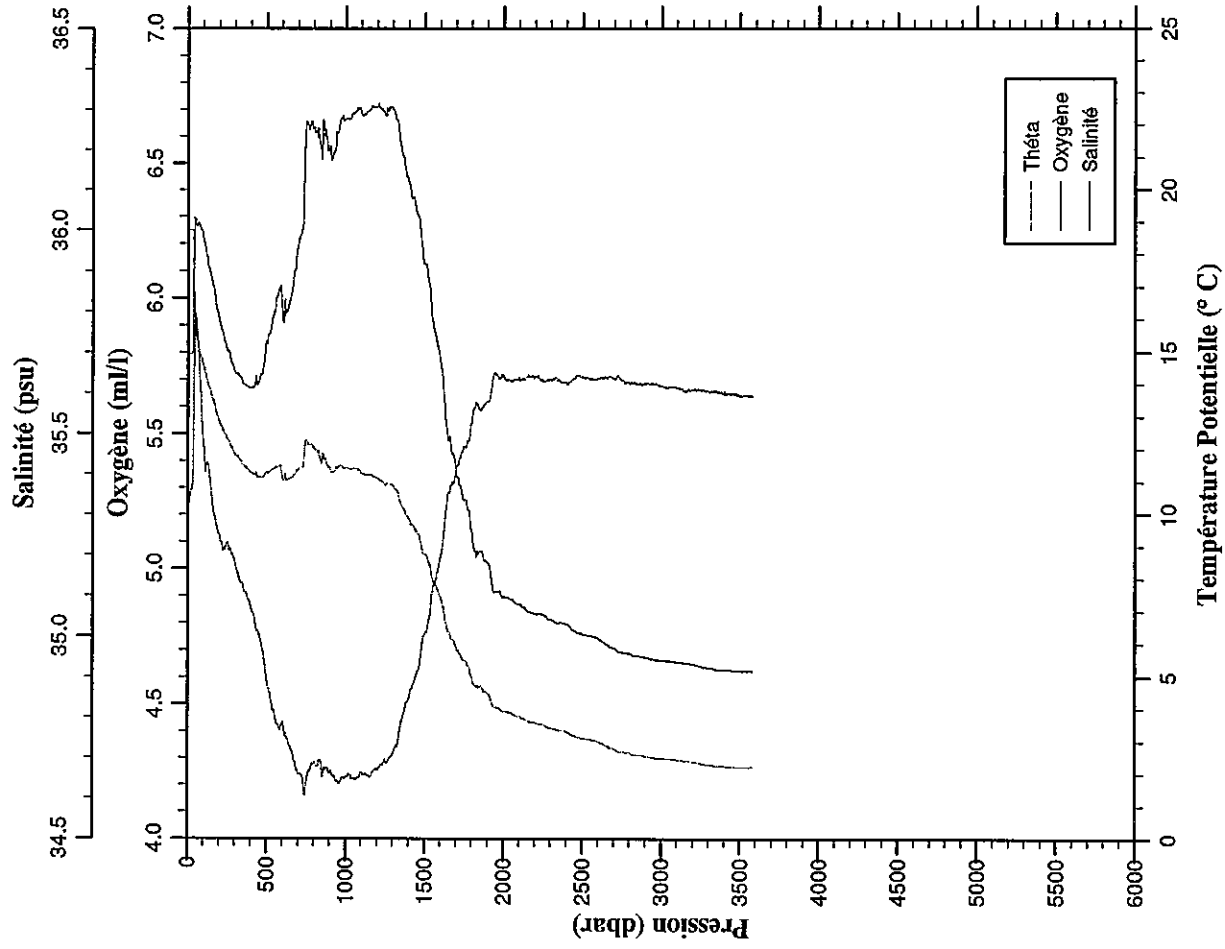
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.575	35.649	5.24	18.575	3050.0	2.734	34.941	5.68	2.483
10.0	18.587	35.648	5.31	18.586	3100.0	2.702	34.938	5.67	2.448
20.0	18.557	35.650	5.36	18.554	3150.0	2.672	34.933	5.67	2.412
30.0	18.355	35.704	5.43	18.349	3200.0	2.646	34.931	5.66	2.382
40.0	15.792	35.983	5.92	15.785	3250.0	2.628	34.928	5.66	2.359
50.0	15.318	36.038	5.84	15.310	3300.0	2.621	34.926	5.65	2.347
100.0	14.558	35.972	5.48	14.543	3350.0	2.606	34.925	5.65	2.327
150.0	13.802	35.892	5.30	13.781	3400.0	2.587	34.924	5.65	2.304
200.0	13.038	35.800	5.06	13.010	3450.0	2.570	34.920	5.65	2.282
250.0	12.423	35.717	5.02	12.389	3500.0	2.552	34.918	5.65	2.258
300.0	12.097	35.673	4.96	12.057	3550.0	2.530	34.916	5.65	2.231
350.0	11.787	35.640	4.92	11.741	3600.0	2.518	34.913	5.65	2.214
400.0	11.496	35.606	4.85	11.444	3650.0	2.502	34.911	5.64	2.193
450.0	11.262	35.595	4.79	11.205	3700.0	2.486	34.911	5.63	2.172
500.0	11.202	35.609	4.71	11.138	3750.0	2.478	34.909	5.63	2.159
550.0	11.475	35.757	4.48	11.403	3800.0	2.465	34.908	5.62	2.140
600.0	11.644	35.875	4.34	11.566	3850.0	2.460	34.907	5.63	2.129
650.0	11.963	36.030	4.28	11.876	3900.0	2.454	34.905	5.63	2.119
700.0	12.182	36.144	4.23	12.087	3950.0	2.451	34.904	5.62	2.110
750.0	12.048	36.167	4.23	11.946	4000.0	2.448	34.903	5.62	2.101
800.0	11.989	36.210	4.24	11.881	4038.0	2.448	34.903	5.61	2.097
850.0	11.810	36.219	4.22	11.696					
900.0	11.806	36.263	4.18	11.685					
950.0	11.840	36.318	4.21	11.711					
1000.0	11.720	36.320	4.22	11.586					
1050.0	11.573	36.305	4.23	11.433					
1100.0	11.486	36.310	4.22	11.339					
1150.0	11.388	36.324	4.23	11.235					
1200.0	11.227	36.322	4.25	11.069					
1250.0	11.080	36.299	4.28	10.916					
1300.0	10.912	36.282	4.31	10.742					
1350.0	10.242	36.159	4.43	10.072					
1400.0	9.939	36.094	4.49	9.765					
1450.0	9.333	35.985	4.61	9.159					
1500.0	8.611	35.857	4.77	8.438					
1550.0	7.940	35.728	4.92	7.769					
1600.0	7.500	35.647	5.01	7.328					
1650.0	6.928	35.547	5.15	6.758					
1700.0	6.463	35.456	5.25	6.292					
1750.0	5.817	35.336	5.42	5.649					
1800.0	5.147	35.224	5.59	4.983					
1850.0	4.989	35.214	5.59	4.822					
1900.0	4.691	35.166	5.64	4.523					
1950.0	4.533	35.142	5.67	4.363					
2000.0	4.419	35.130	5.68	4.245					
2050.0	4.197	35.101	5.69	4.021					
2100.0	4.109	35.094	5.68	3.929					
2150.0	4.015	35.083	5.68	3.832					
2200.0	3.908	35.070	5.69	3.721					
2250.0	3.801	35.060	5.68	3.611					
2300.0	3.629	35.039	5.70	3.437					
2350.0	3.530	35.026	5.70	3.335					
2400.0	3.453	35.017	5.71	3.255					
2450.0	3.419	35.015	5.69	3.216					
2500.0	3.350	35.007	5.70	3.143					
2550.0	3.255	34.997	5.70	3.045					
2600.0	3.171	34.988	5.70	2.958					
2650.0	3.107	34.982	5.70	2.890					
2700.0	3.046	34.975	5.70	2.825					
2750.0	3.006	34.970	5.69	2.780					
2800.0	2.967	34.967	5.69	2.738					
2850.0	2.902	34.957	5.69	2.668					
2900.0	2.848	34.954	5.69	2.611					
2950.0	2.812	34.949	5.68	2.570					
3000.0	2.767	34.944	5.68	2.521					



Station 65

Station	: 66	Campagne	: ARCANE 98
Date	: 11-07-98	Navire	: LA THALASSA
Profondeur	: 3515	Organisme	: IFREMER
Position	: N 39 45.00		
	W 10 11.92		

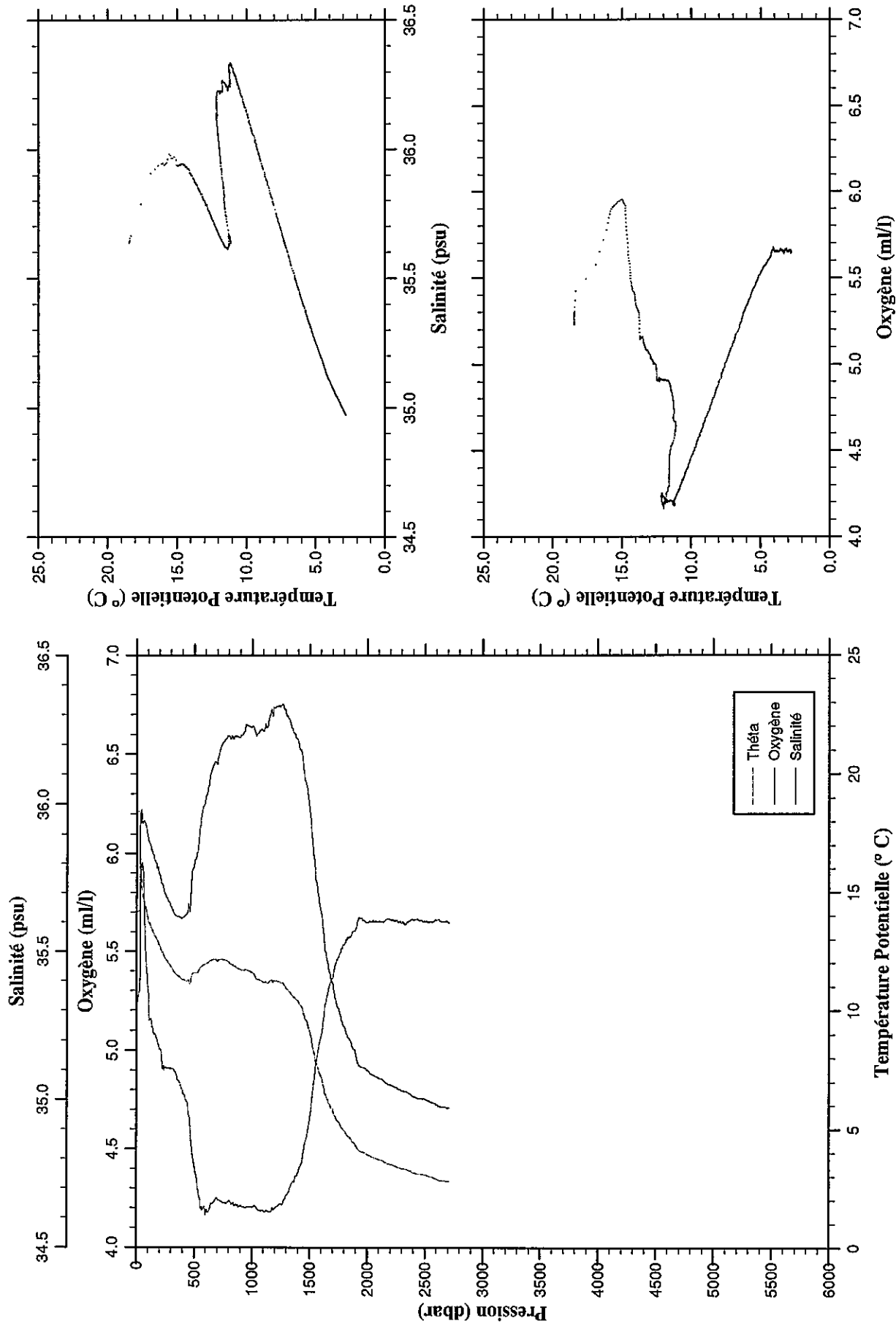
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.761	35.698	5.24	18.760	3050.0	2.739	34.941	5.67	2.488
10.0	18.760	35.697	5.25	18.759	3100.0	2.710	34.938	5.67	2.455
20.0	18.763	35.697	5.29	18.760	3150.0	2.689	34.935	5.66	2.429
30.0	18.750	35.700	5.32	18.745	3200.0	2.664	34.933	5.66	2.399
40.0	16.794	35.975	5.73	16.788	3250.0	2.615	34.927	5.66	2.347
50.0	15.586	36.022	5.94	15.578	3300.0	2.586	34.924	5.66	2.313
100.0	14.576	35.983	5.46	14.561	3350.0	2.545	34.920	5.66	2.267
150.0	13.701	35.881	5.27	13.679	3400.0	2.543	34.917	5.65	2.260
200.0	12.884	35.778	5.13	12.856	3450.0	2.531	34.917	5.65	2.243
250.0	12.359	35.705	5.10	12.325	3500.0	2.526	34.916	5.64	2.233
300.0	11.894	35.650	5.02	11.854	3550.0	2.527	34.916	5.64	2.228
350.0	11.586	35.624	4.93	11.541	3576.0	2.530	34.915	5.63	2.229
400.0	11.359	35.614	4.85	11.308					
450.0	11.221	35.628	4.76	11.164					
500.0	11.354	35.727	4.59	11.290					
550.0	11.496	35.801	4.46	11.424					
600.0	11.178	35.784	4.43	11.101					
650.0	11.213	35.830	4.34	11.129					
700.0	11.512	35.967	4.24	11.420					
750.0	12.385	36.270	4.20	12.281					
800.0	12.171	36.256	4.28	12.062					
850.0	11.829	36.212	4.25	11.715					
900.0	11.582	36.210	4.25	11.462					
950.0	11.587	36.244	4.21	11.461					
1000.0	11.585	36.277	4.23	11.451					
1050.0	11.575	36.290	4.22	11.434					
1100.0	11.421	36.289	4.25	11.275					
1150.0	11.391	36.299	4.23	11.238					
1200.0	11.289	36.306	4.25	11.130					
1250.0	11.094	36.284	4.29	10.930					
1300.0	11.079	36.301	4.31	10.908					
1350.0	10.505	36.203	4.43	10.332					
1400.0	10.061	36.121	4.52	9.886					
1450.0	9.615	36.043	4.61	9.438					
1500.0	8.951	35.919	4.76	8.774					
1550.0	8.189	35.781	4.92	8.015					
1600.0	7.625	35.680	5.04	7.451					
1650.0	6.541	35.483	5.28	6.375					
1700.0	6.040	35.407	5.37	5.874					
1750.0	5.671	35.336	5.45	5.505					
1800.0	5.159	35.258	5.56	4.995					
1850.0	4.877	35.209	5.59	4.711					
1900.0	4.671	35.181	5.62	4.503					
1950.0	4.246	35.110	5.72	4.079					
2000.0	4.125	35.097	5.71	3.955					
2050.0	4.074	35.091	5.70	3.900					
2100.0	3.965	35.078	5.70	3.787					
2150.0	3.845	35.063	5.71	3.665					
2200.0	3.789	35.055	5.71	3.605					
2250.0	3.742	35.052	5.70	3.553					
2300.0	3.641	35.041	5.70	3.449					
2350.0	3.575	35.034	5.70	3.379					
2400.0	3.535	35.030	5.69	3.335					
2450.0	3.409	35.014	5.71	3.207					
2500.0	3.325	35.006	5.71	3.119					
2550.0	3.303	35.002	5.70	3.092					
2600.0	3.234	34.995	5.71	3.019					
2650.0	3.113	34.981	5.71	2.896					
2700.0	3.025	34.973	5.71	2.804					
2750.0	2.930	34.962	5.70	2.707					
2800.0	2.901	34.960	5.69	2.673					
2850.0	2.839	34.953	5.68	2.608					
2900.0	2.806	34.949	5.69	2.569					
2950.0	2.769	34.945	5.69	2.528					
3000.0	2.749	34.942	5.68	2.504					



Station 66

Station	: 67	Campagne	: ARCANE 98
Date	: 11-07-98	Navire	: LA THALASSA
Profondeur	: 2679	Organisme	: IFREMER
Position	: N 39 44.94		
	W 9 57.91		

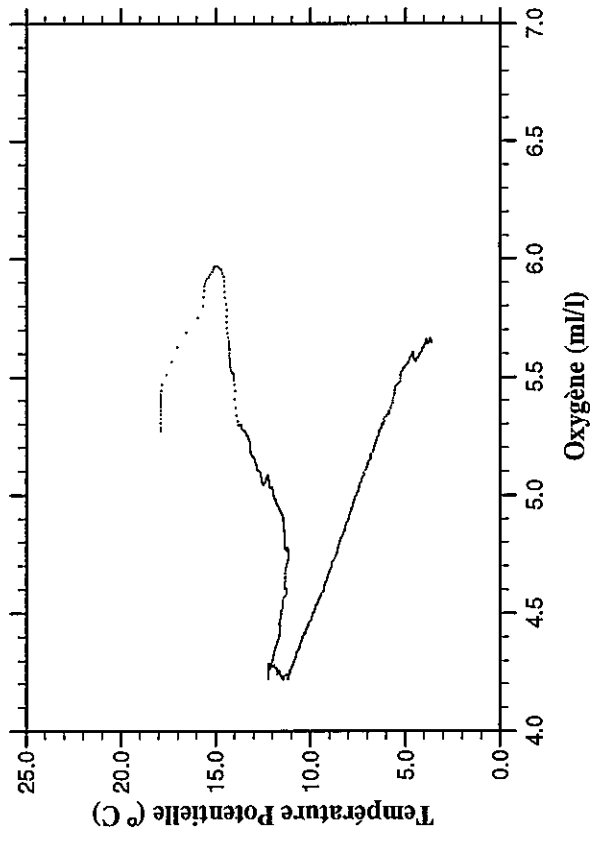
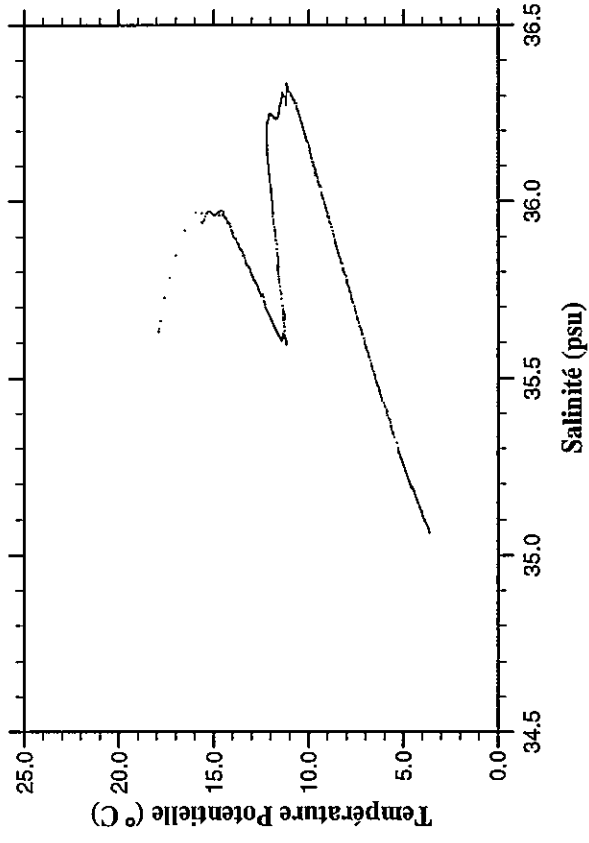
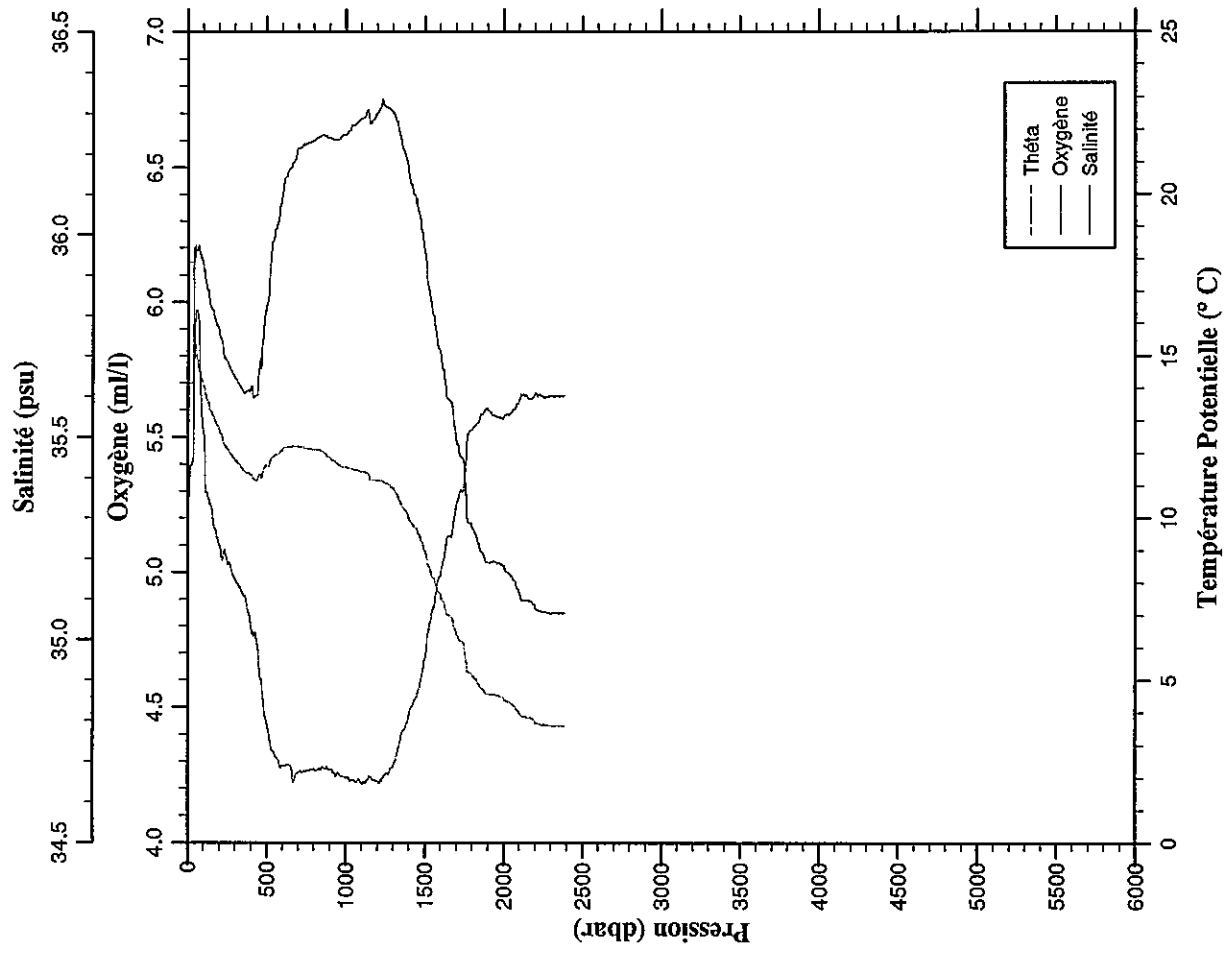
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.450	35.638	5.24	18.450
10.0	18.453	35.636	5.26	18.451
20.0	18.449	35.639	5.29	18.445
30.0	17.618	35.788	5.50	17.613
40.0	15.692	35.964	5.91	15.686
50.0	14.947	35.936	5.95	14.939
100.0	13.829	35.886	5.30	13.814
150.0	13.268	35.828	5.08	13.246
200.0	12.751	35.763	5.01	12.723
250.0	12.215	35.692	4.91	12.181
300.0	11.867	35.652	4.90	11.827
350.0	11.533	35.620	4.87	11.488
400.0	11.364	35.616	4.79	11.313
450.0	11.330	35.661	4.68	11.273
500.0	11.661	35.796	4.41	11.595
550.0	11.881	35.924	4.23	11.808
600.0	12.064	36.024	4.17	11.983
650.0	12.229	36.114	4.22	12.140
700.0	12.192	36.135	4.25	12.097
750.0	12.256	36.209	4.23	12.153
800.0	12.148	36.228	4.24	12.038
850.0	12.003	36.227	4.21	11.888
900.0	11.857	36.226	4.21	11.735
950.0	11.853	36.267	4.21	11.725
1000.0	11.739	36.263	4.20	11.605
1050.0	11.458	36.238	4.19	11.319
1100.0	11.333	36.245	4.19	11.187
1150.0	11.390	36.293	4.18	11.237
1200.0	11.408	36.323	4.20	11.248
1250.0	11.347	36.330	4.22	11.180
1300.0	11.093	36.298	4.27	10.921
1350.0	10.807	36.255	4.33	10.631
1400.0	10.562	36.211	4.38	10.382
1450.0	9.984	36.114	4.50	9.803
1500.0	9.291	35.981	4.66	9.111
1550.0	8.018	35.749	4.92	7.846
1600.0	7.378	35.631	5.08	7.208
1650.0	6.478	35.470	5.27	6.313
1700.0	6.024	35.393	5.37	5.859
1750.0	5.486	35.307	5.47	5.323
1800.0	5.122	35.246	5.54	4.958
1850.0	4.811	35.201	5.58	4.647
1900.0	4.479	35.148	5.62	4.314
1950.0	4.218	35.111	5.67	4.051
2000.0	4.116	35.100	5.65	3.946
2050.0	3.998	35.084	5.66	3.825
2100.0	3.903	35.074	5.65	3.727
2150.0	3.806	35.061	5.66	3.626
2200.0	3.720	35.051	5.66	3.537
2250.0	3.630	35.043	5.66	3.444
2300.0	3.527	35.031	5.65	3.338
2350.0	3.489	35.026	5.65	3.295
2400.0	3.373	35.012	5.66	3.176
2450.0	3.317	35.005	5.66	3.116
2500.0	3.279	35.002	5.65	3.073
2550.0	3.209	34.994	5.66	3.000
2600.0	3.120	34.984	5.66	2.908
2650.0	3.056	34.976	5.65	2.840
2700.0	3.030	34.973	5.65	2.810
2708.0	3.037	34.975	5.65	2.815



Station 67

Station	: 68	Campagne	: ARCANE 98
Date	: 12-07-98	Navire	: LA THALASSA
Profondeur	: 2362	Organisme	: IFREMER
Position	: N 39 45.10		
	W 9 50.03		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.907	35.633	5.27	17.907
10.0	17.909	35.633	5.32	17.907
20.0	17.910	35.633	5.39	17.907
30.0	17.908	35.634	5.42	17.903
40.0	15.956	35.968	5.75	15.949
50.0	15.215	35.973	5.95	15.208
100.0	14.072	35.916	5.51	14.058
150.0	13.288	35.819	5.24	13.267
200.0	12.700	35.756	5.10	12.672
250.0	12.189	35.686	5.03	12.156
300.0	11.841	35.645	4.97	11.802
350.0	11.534	35.613	4.92	11.489
400.0	11.430	35.623	4.79	11.379
450.0	11.392	35.667	4.65	11.334
500.0	11.669	35.826	4.44	11.603
550.0	12.010	36.001	4.33	11.937
600.0	12.213	36.102	4.29	12.131
650.0	12.293	36.165	4.29	12.205
700.0	12.313	36.216	4.26	12.217
750.0	12.273	36.226	4.27	12.170
800.0	12.238	36.235	4.27	12.129
850.0	12.196	36.247	4.28	12.079
900.0	12.001	36.241	4.27	11.879
950.0	11.788	36.237	4.26	11.660
1000.0	11.722	36.248	4.24	11.588
1050.0	11.656	36.271	4.23	11.515
1100.0	11.593	36.287	4.22	11.446
1150.0	11.381	36.286	4.25	11.228
1200.0	11.334	36.302	4.23	11.175
1250.0	11.256	36.317	4.25	11.090
1300.0	11.101	36.302	4.29	10.929
1350.0	10.600	36.236	4.40	10.426
1400.0	10.136	36.146	4.47	9.960
1450.0	9.838	36.084	4.54	9.659
1500.0	9.173	35.960	4.68	8.994
1550.0	8.350	35.805	4.86	8.174
1600.0	7.839	35.713	4.99	7.663
1650.0	7.182	35.593	5.14	7.008
1700.0	6.607	35.491	5.25	6.434
1750.0	6.159	35.424	5.34	5.987
1800.0	5.331	35.278	5.53	5.164
1850.0	4.958	35.222	5.58	4.791
1900.0	4.750	35.191	5.61	4.581
1950.0	4.739	35.193	5.58	4.565
2000.0	4.641	35.182	5.57	4.464
2050.0	4.464	35.157	5.59	4.284
2100.0	4.179	35.115	5.64	3.998
2150.0	4.042	35.097	5.65	3.859
2200.0	3.884	35.077	5.67	3.698
2250.0	3.838	35.070	5.65	3.648
2300.0	3.809	35.067	5.65	3.615
2350.0	3.818	35.066	5.65	3.618
2383.0	3.817	35.066	5.65	3.614



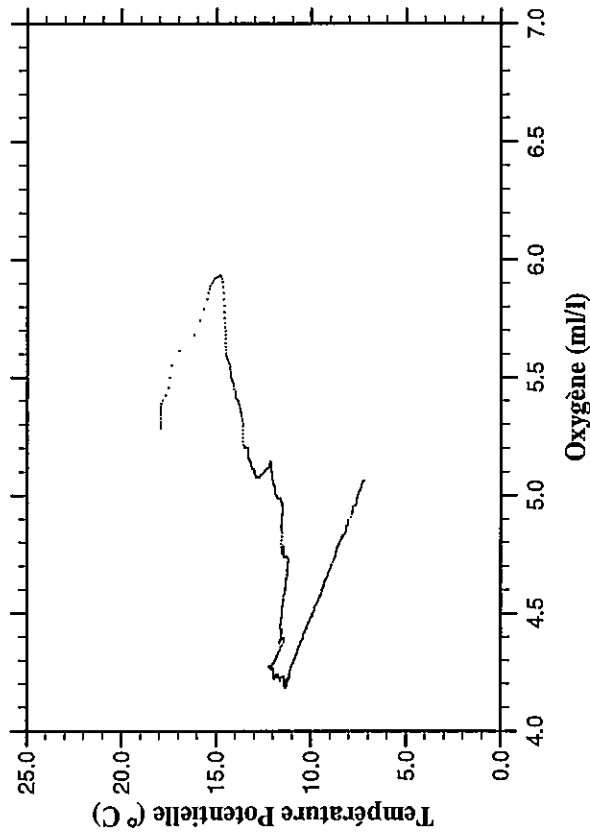
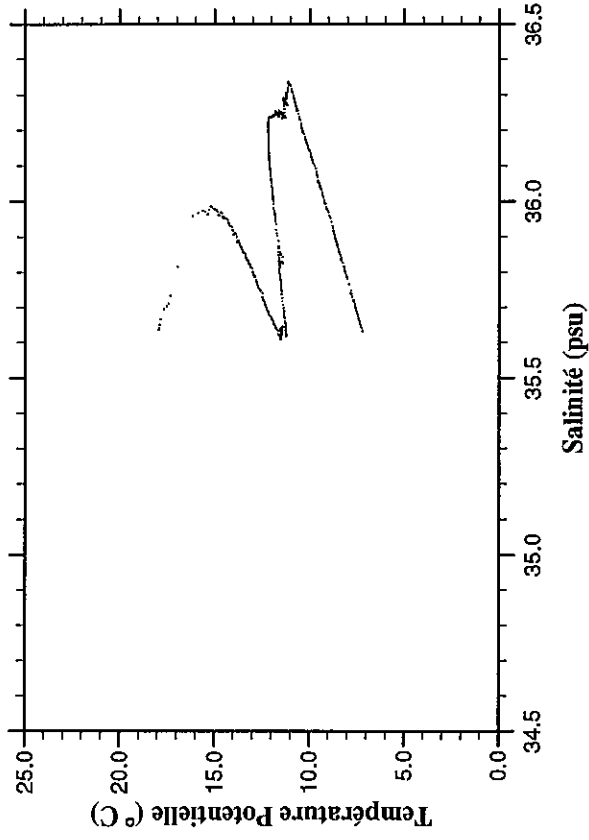
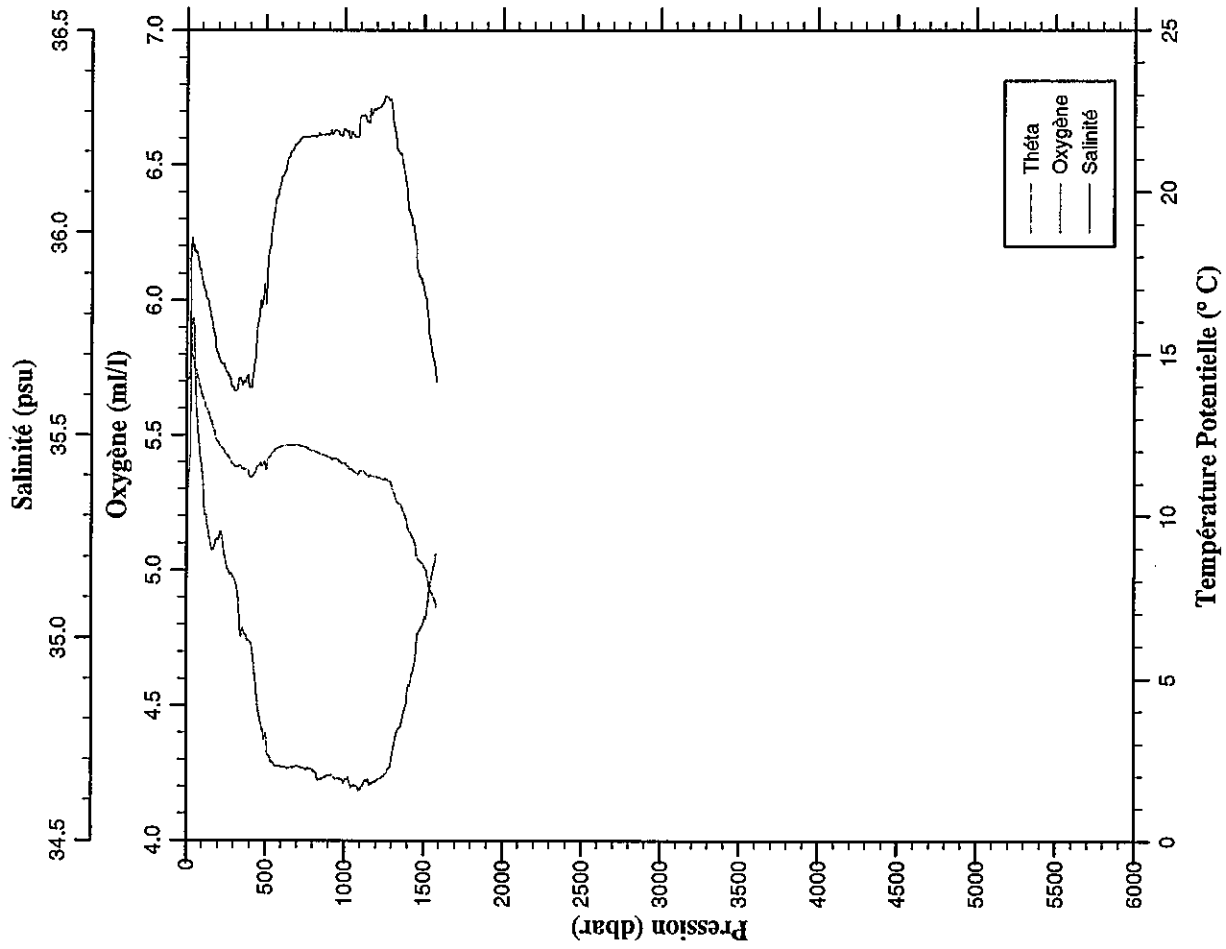
Station 68

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|-----|
| Station   : 69           Campagne  : ARCANE 98
| Date      : 12-07-98    Navire    : LA THALASSA
| Profondeur : 1590       Organisme : IFREMER
| Position  : N 39 44.76
|            W 9 43.07
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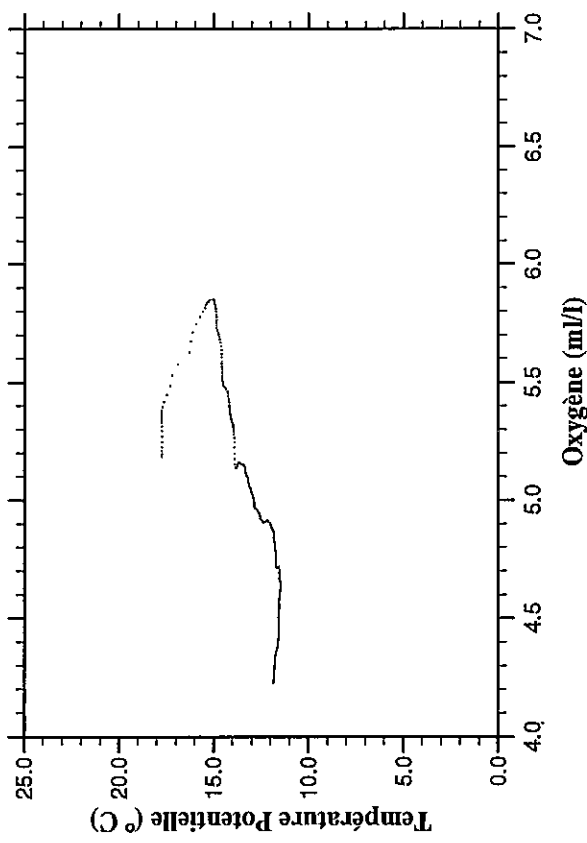
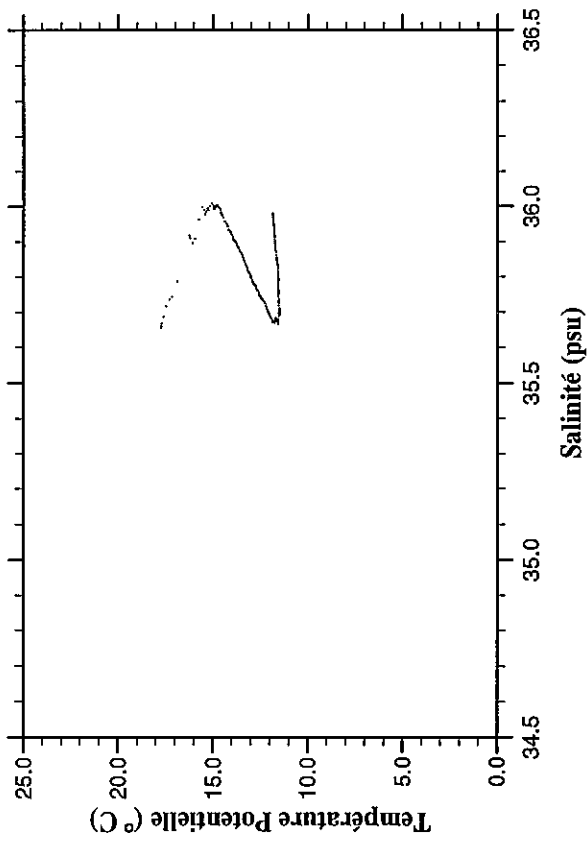
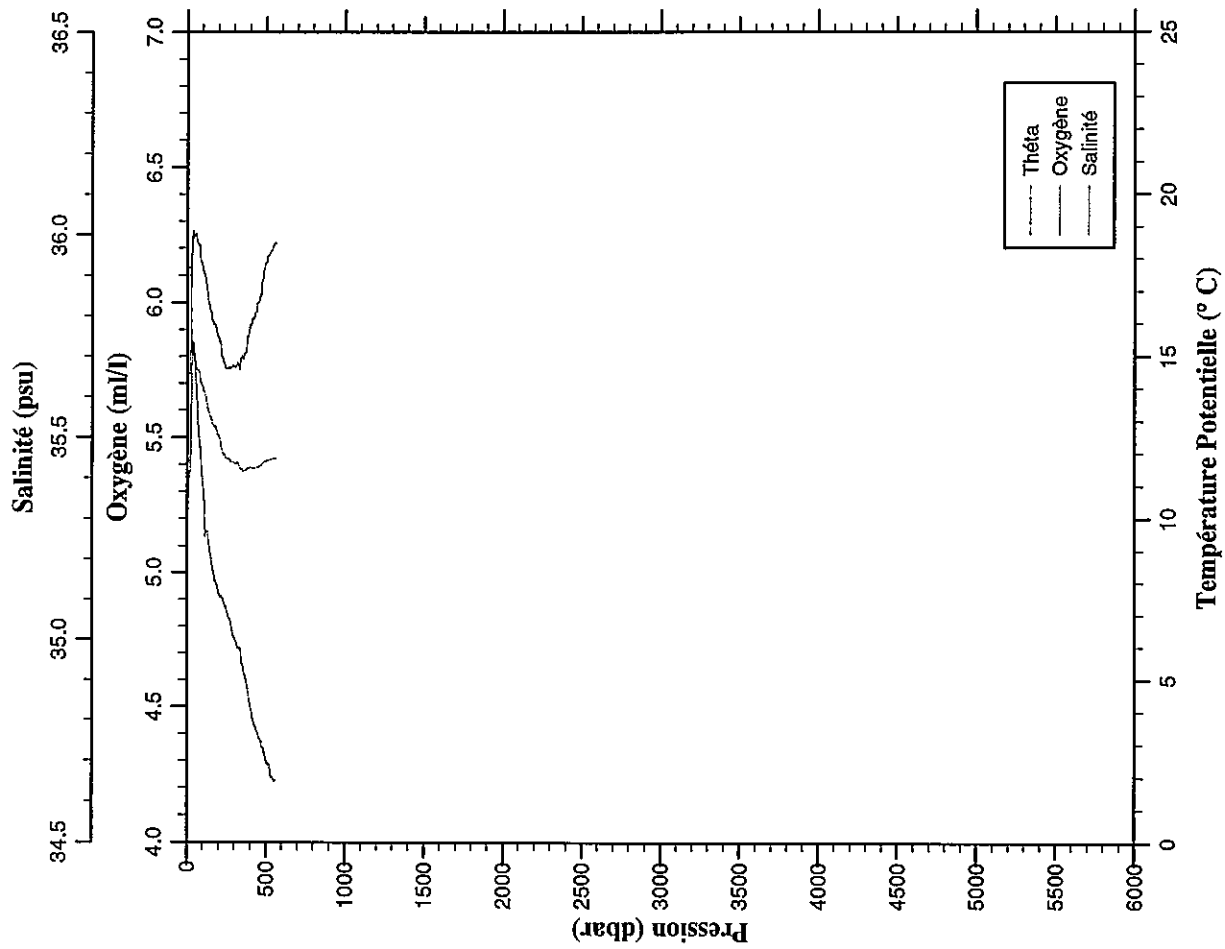
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.942	35.640	5.29	17.942
10.0	17.943	35.638	5.33	17.941
20.0	17.674	35.697	5.42	17.671
30.0	15.380	35.967	5.88	15.375
40.0	14.879	35.973	5.93	14.873
50.0	14.602	35.954	5.78	14.594
100.0	13.716	35.878	5.35	13.701
150.0	13.012	35.797	5.10	12.991
200.0	12.299	35.699	5.11	12.272
250.0	11.949	35.658	5.03	11.916
300.0	11.585	35.612	4.97	11.547
350.0	11.515	35.629	4.78	11.470
400.0	11.275	35.619	4.74	11.224
450.0	11.600	35.777	4.50	11.542
500.0	11.498	35.831	4.40	11.433
550.0	12.070	36.039	4.29	11.996
600.0	12.251	36.137	4.27	12.170
650.0	12.290	36.188	4.27	12.201
700.0	12.295	36.221	4.28	12.199
750.0	12.246	36.236	4.27	12.144
800.0	12.129	36.239	4.26	12.020
850.0	12.031	36.242	4.23	11.915
900.0	11.951	36.245	4.24	11.829
950.0	11.903	36.252	4.23	11.774
1000.0	11.771	36.255	4.22	11.636
1050.0	11.540	36.243	4.20	11.400
1100.0	11.550	36.288	4.19	11.403
1150.0	11.345	36.271	4.23	11.193
1200.0	11.380	36.307	4.22	11.220
1250.0	11.315	36.331	4.24	11.148
1300.0	11.022	36.292	4.31	10.852
1350.0	10.543	36.197	4.42	10.370
1400.0	9.776	36.072	4.56	9.604
1450.0	9.220	35.976	4.69	9.047
1500.0	8.625	35.859	4.81	8.452
1550.0	7.795	35.707	4.97	7.625
1581.0	7.380	35.633	5.06	7.211



Station 69

Station	: 70	Campagne	: ARCANE 98
Date	: 12-07-98	Navire	: LA THALASSA
Profondeur	: 562	Organisme	: IFREMER
Position	: N 39 44.89		
	W 9 36.04		

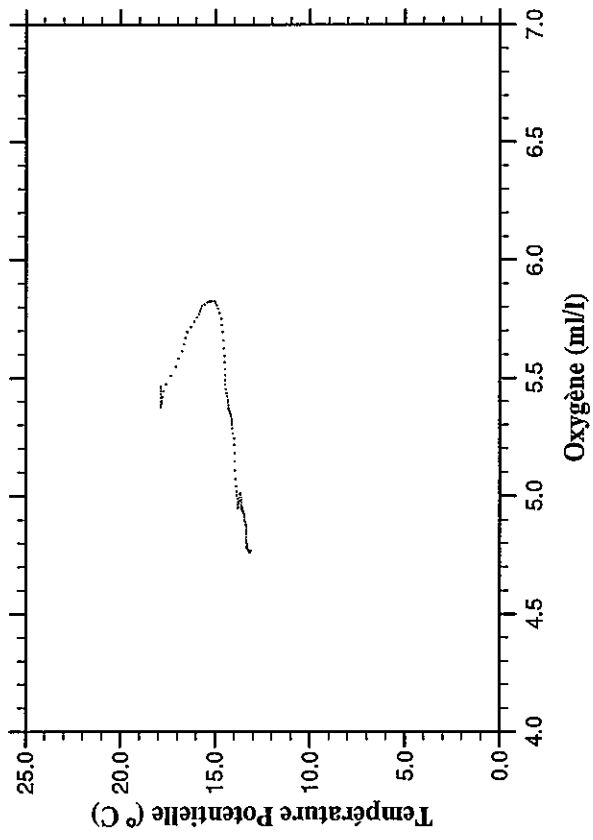
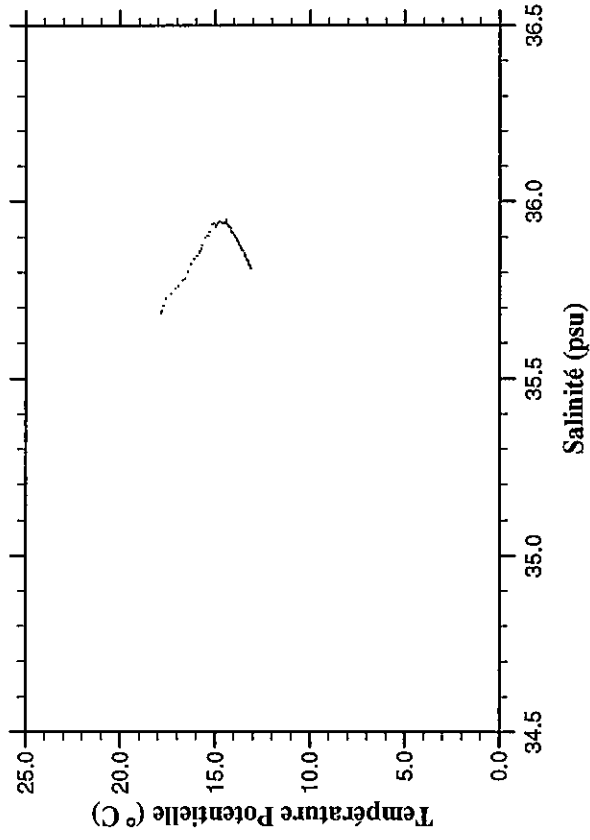
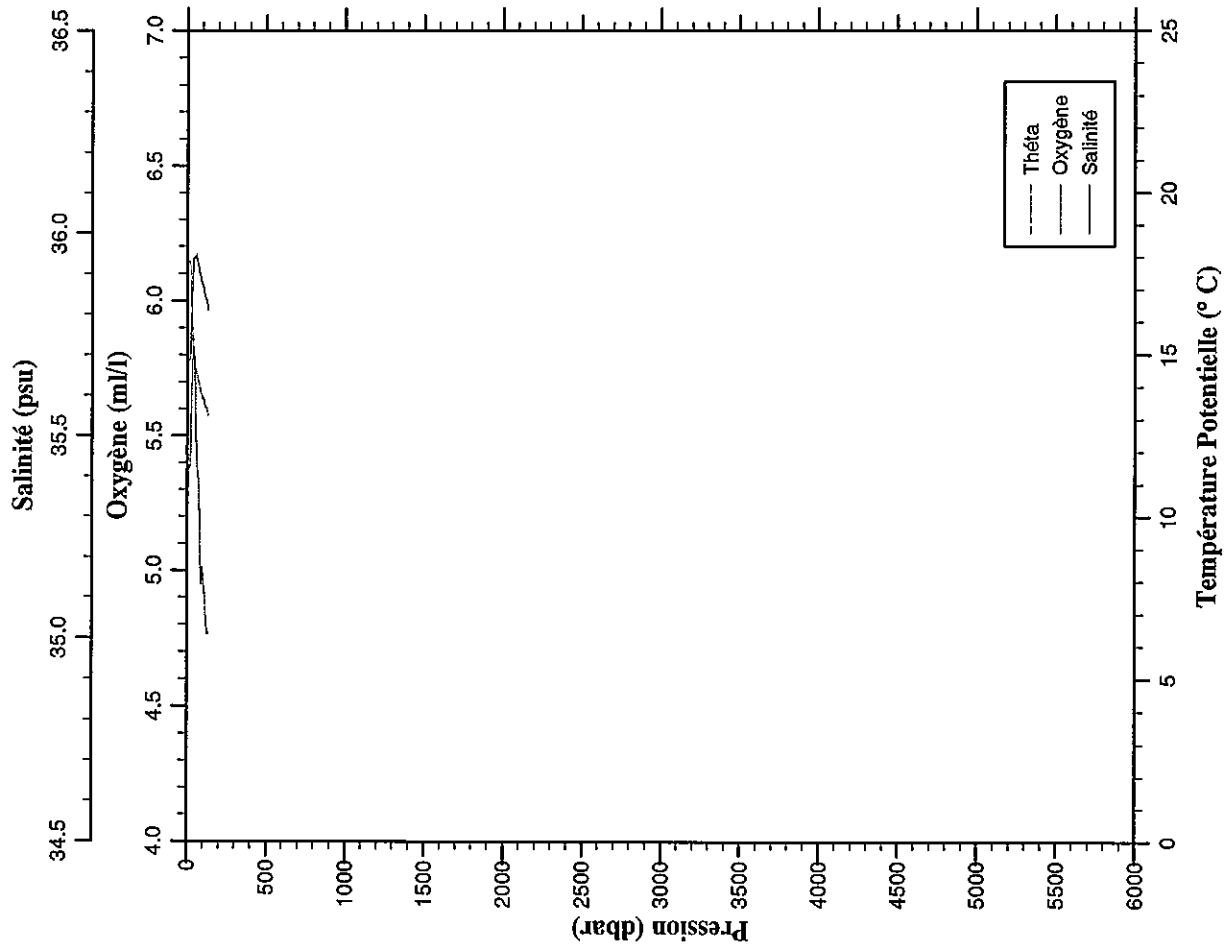
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.749	35.658	5.18	17.749
10.0	17.745	35.658	5.33	17.744
20.0	17.483	35.717	5.45	17.480
30.0	15.478	35.991	5.81	15.474
40.0	15.017	36.004	5.85	15.011
50.0	14.866	35.998	5.75	14.859
100.0	13.999	35.917	5.32	13.984
150.0	13.097	35.810	5.05	13.076
200.0	12.545	35.748	4.92	12.518
250.0	11.879	35.669	4.85	11.846
300.0	11.749	35.674	4.75	11.710
350.0	11.529	35.699	4.65	11.484
400.0	11.637	35.778	4.50	11.585
450.0	11.659	35.834	4.39	11.601
500.0	11.845	35.933	4.30	11.779
550.0	11.928	35.979	4.23	11.854
560.0	11.935	35.982	4.23	11.860



Station 70

Station	: 71	Campagne	: ARCANE 98
Date	: 12-07-98	Navire	: LA THALASSA
Profondeur	: 145	Organisme	: IFREMER
Position	: N 39 44.95		
	W 9 30.00		

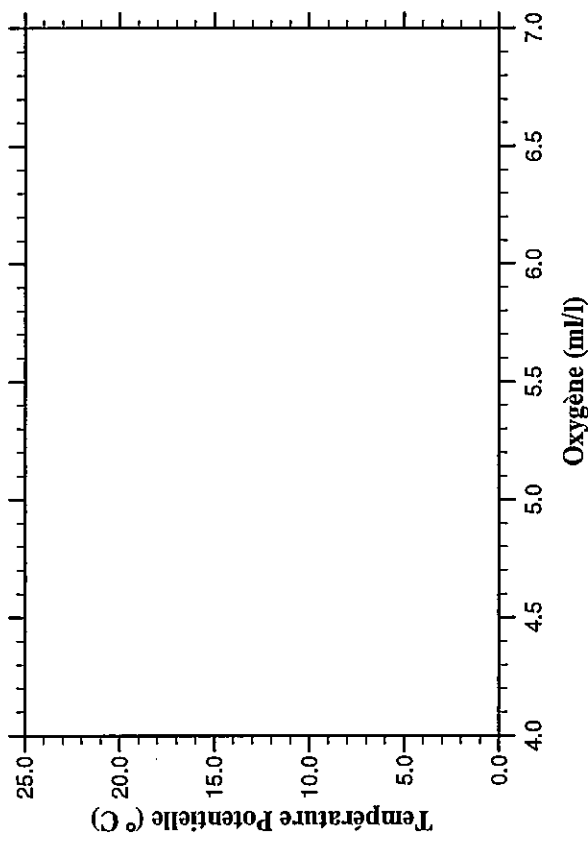
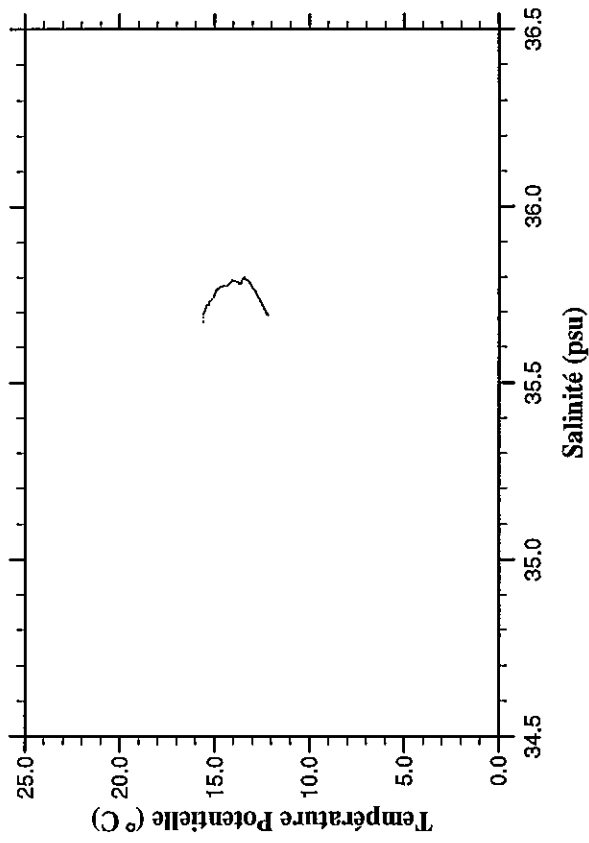
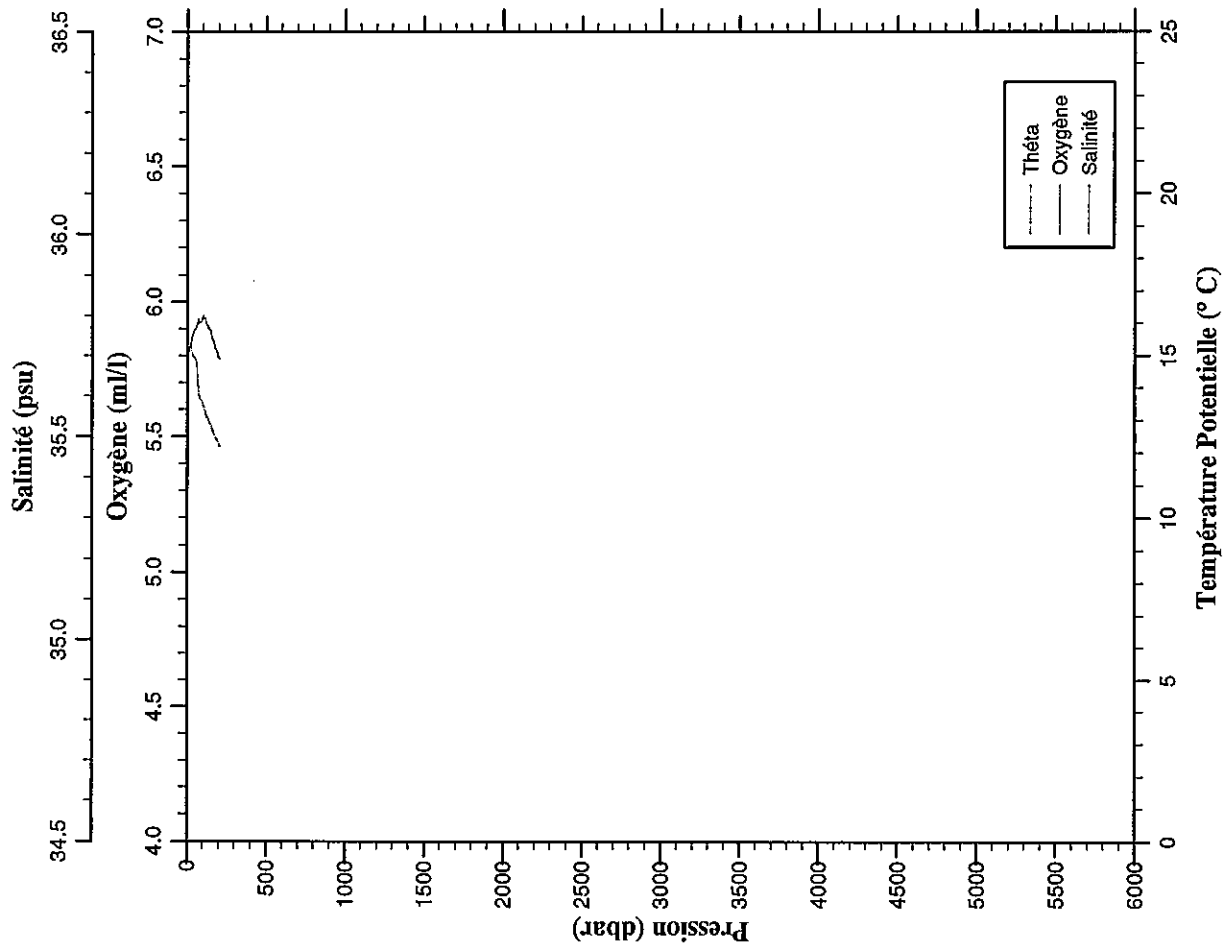
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	17.867	35.688	5.46	17.867
10.0	17.871	35.687	5.38	17.870
20.0	17.755	35.707	5.45	17.752
30.0	16.113	35.838	5.74	16.108
40.0	15.188	35.936	5.83	15.182
50.0	14.585	35.940	5.66	14.577
100.0	13.661	35.867	4.99	13.647
133.0	13.157	35.811	4.77	13.138



Station 71

Station	: 72	Campagne	: ARCANE 98
Date	: 13-07-98	Navire	: LA THALASSA
Profondeur	: 219	Organisme	: IFREMER
Position	: N 42 6.99		
	W 9 19.98		

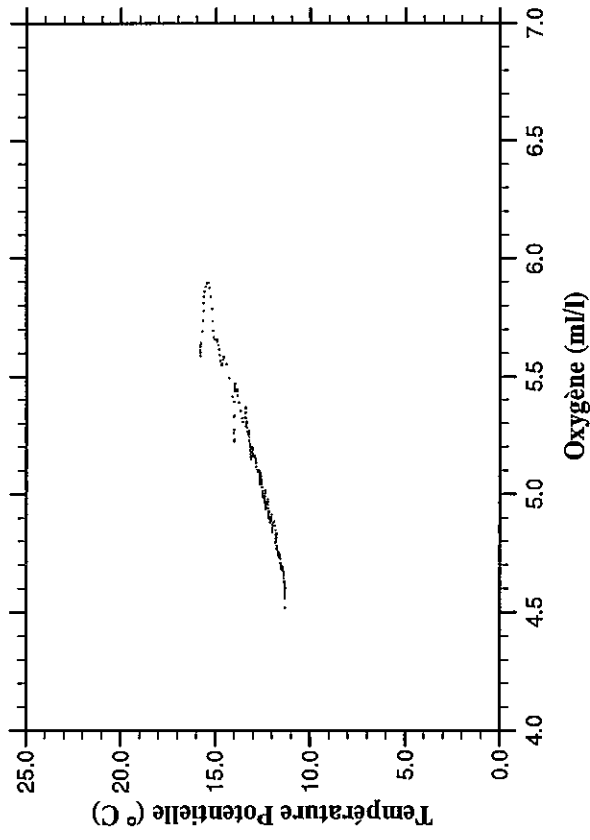
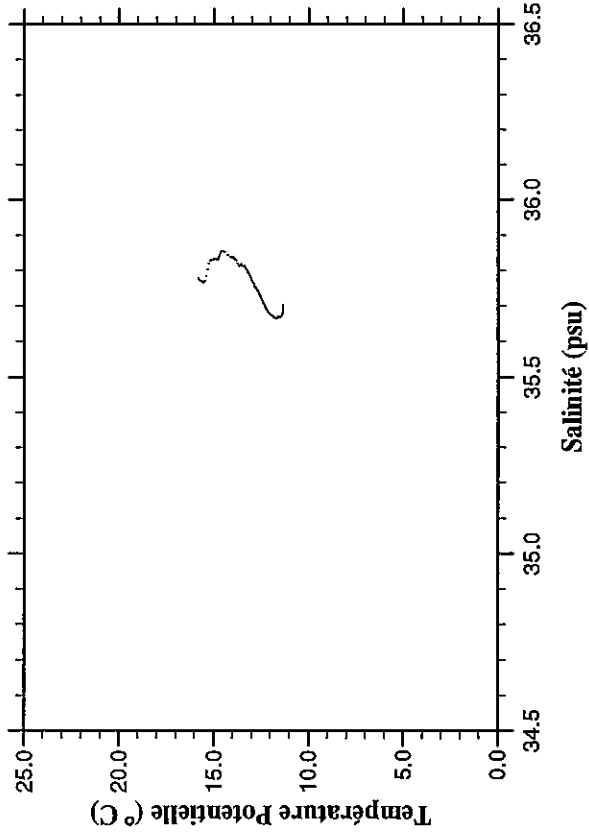
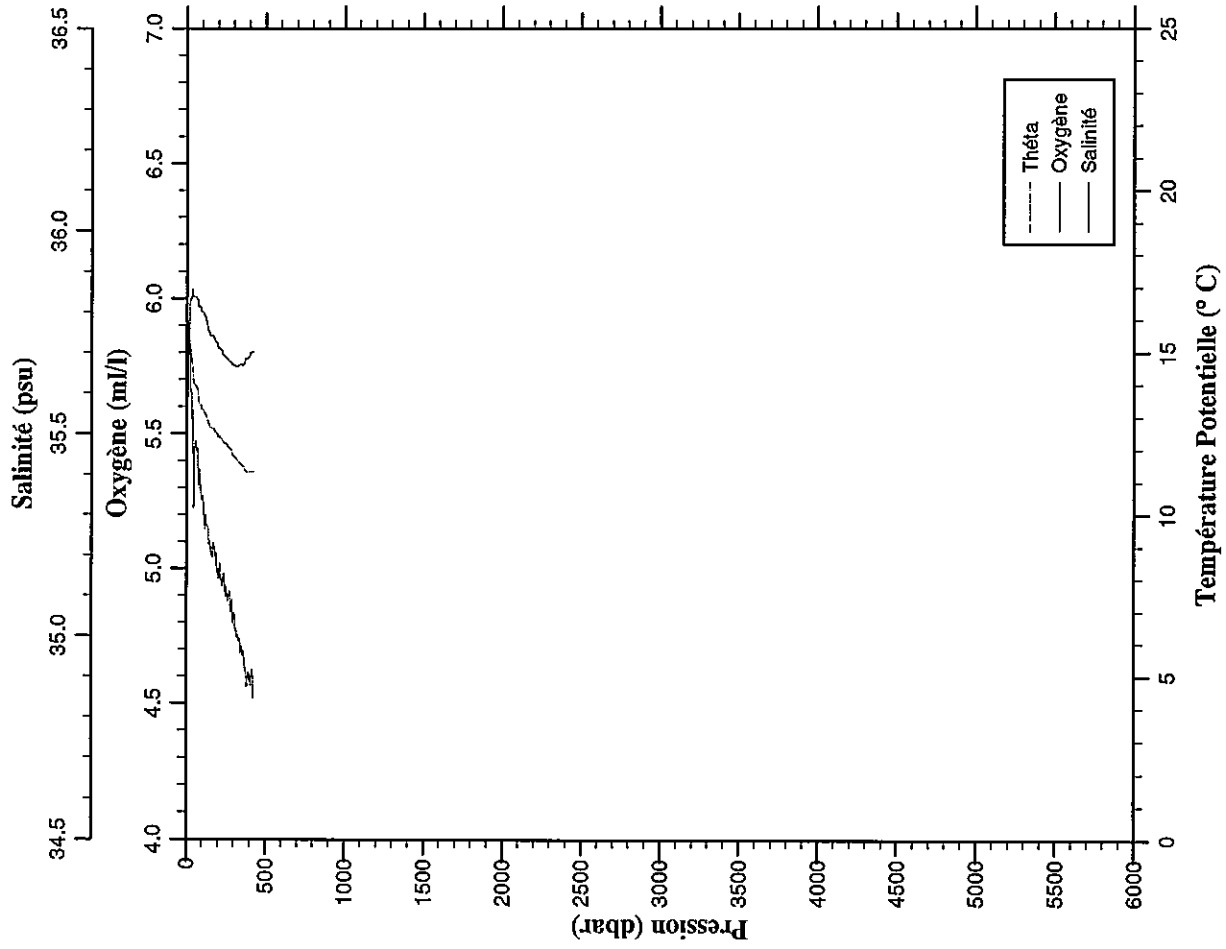
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	15.621	35.674	****	15.621
10.0	15.506	35.710	****	15.504
20.0	15.329	35.722	****	15.326
30.0	15.053	35.747	****	15.048
40.0	14.967	35.760	****	14.961
50.0	14.934	35.764	****	14.926
100.0	13.458	35.800	****	13.444
150.0	12.886	35.761	****	12.866
200.0	12.257	35.696	****	12.230
206.0	12.217	35.693	****	12.190



Station 72

Station	: 73	Campagne	: ARCANE 98
Date	: 13-07-98	Navire	: LA THALASSA
Profondeur	: 427	Organisme	: IFREMER
Position	: N 42 7.03		
	W 9 25.00		

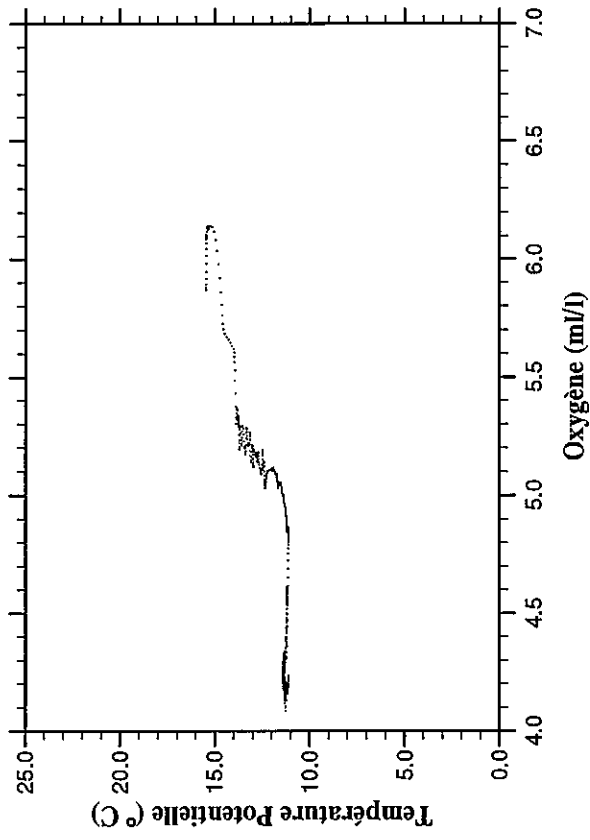
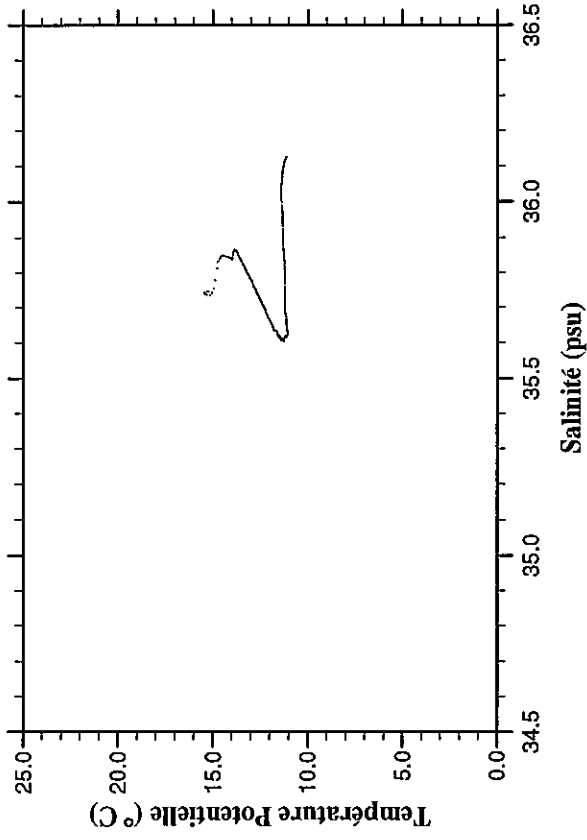
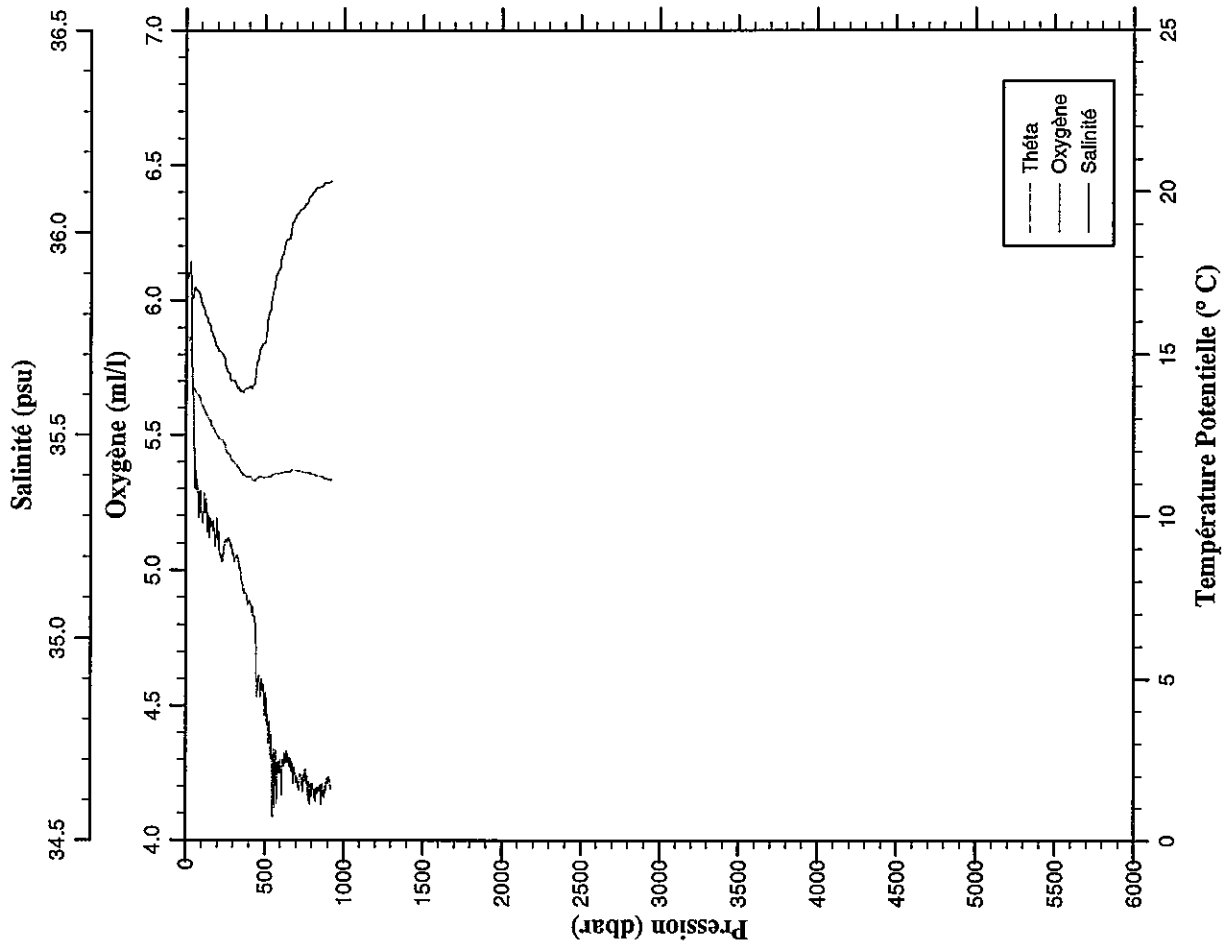
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	15.817	35.779	5.64	15.817
10.0	15.679	35.770	5.74	15.677
20.0	15.209	35.828	5.79	15.205
30.0	14.823	35.832	5.62	14.818
40.0	14.278	35.844	5.50	14.272
50.0	14.028	35.838	5.46	14.021
100.0	13.260	35.800	5.27	13.246
150.0	12.712	35.743	5.08	12.692
200.0	12.442	35.712	4.97	12.415
250.0	12.227	35.688	4.91	12.193
300.0	11.842	35.668	4.83	11.803
350.0	11.601	35.672	4.70	11.555
400.0	11.384	35.696	4.61	11.333
421.0	11.392	35.703	4.52	11.338



Station 73

Station	: 74	Campagne	: ARCANE 98
Date	: 13-07-98	Navire	: LA THALASSA
Profondeur	: 923	Organisme	: IFREMER
Position	: N 42 6.97		
	W 9 27.49		

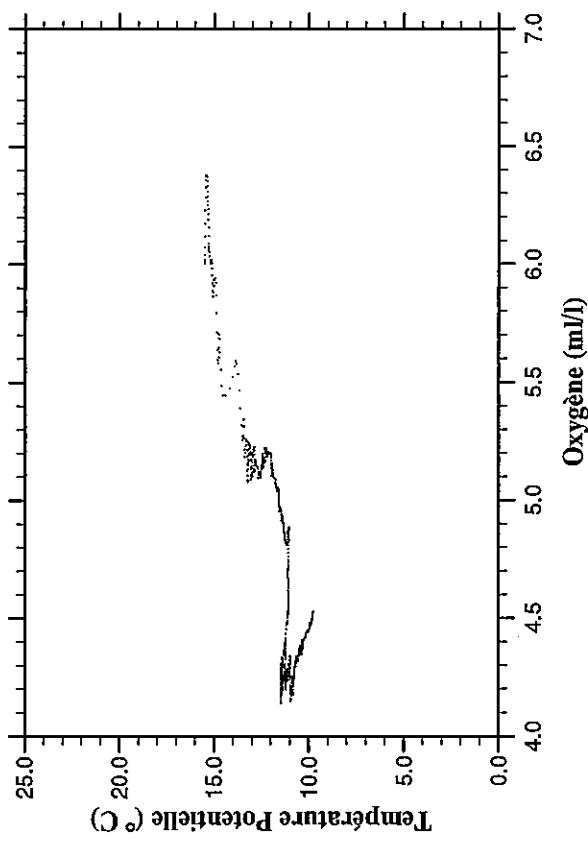
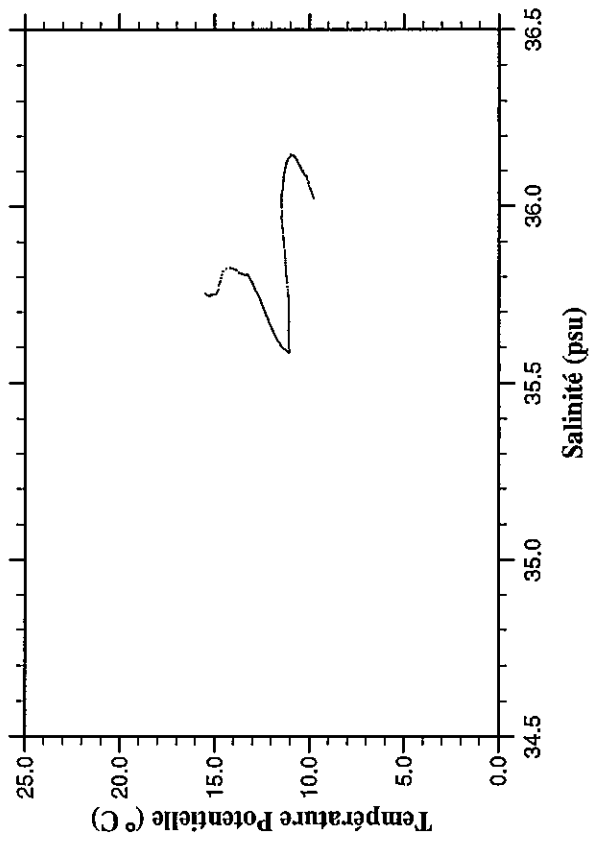
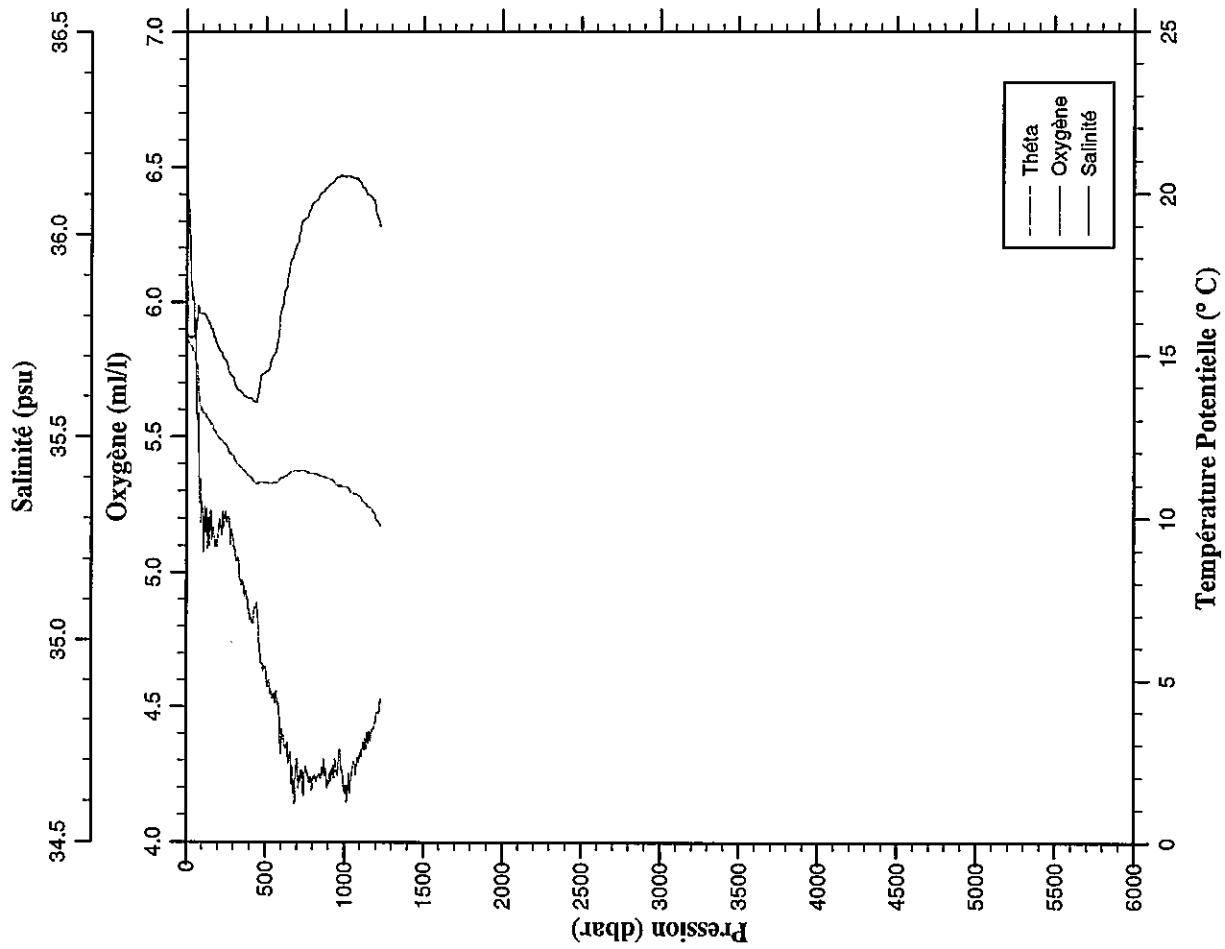
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	15.468	35.744	5.87	15.468
10.0	15.471	35.744	6.05	15.469
20.0	15.462	35.743	6.10	15.459
30.0	15.256	35.746	6.14	15.252
40.0	14.607	35.845	5.73	14.601
50.0	13.983	35.846	5.56	13.975
100.0	13.454	35.826	5.21	13.440
150.0	12.986	35.775	5.16	12.965
200.0	12.507	35.719	5.12	12.480
250.0	12.151	35.676	5.11	12.118
300.0	11.730	35.636	5.06	11.691
350.0	11.391	35.609	4.97	11.347
400.0	11.261	35.619	4.88	11.210
450.0	11.232	35.682	4.54	11.174
500.0	11.263	35.730	4.48	11.199
550.0	11.352	35.850	4.10	11.281
600.0	11.405	35.924	4.30	11.327
650.0	11.460	35.985	4.31	11.375
700.0	11.506	36.047	4.22	11.414
750.0	11.450	36.067	4.22	11.352
800.0	11.400	36.097	4.19	11.295
850.0	11.338	36.113	4.21	11.226
900.0	11.262	36.124	4.21	11.145
917.0	11.240	36.127	4.19	11.121



Station 74

Station	: 75	Campagne	: ARCANE 98
Date	: 14-07-98	Navire	: LA THALASSA
Profondeur	: 1238	Organisme	: IFREMER
Position	: N 42 7.00		
	W 9 29.97		

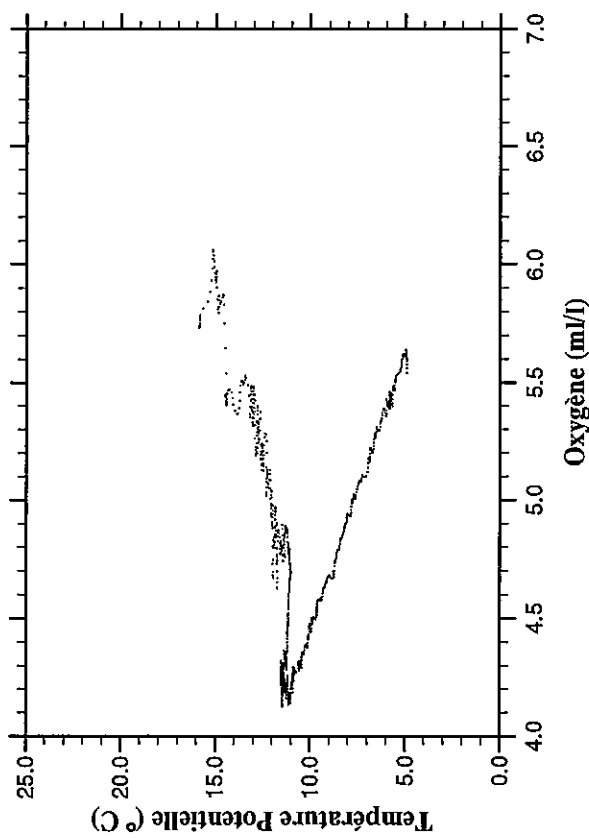
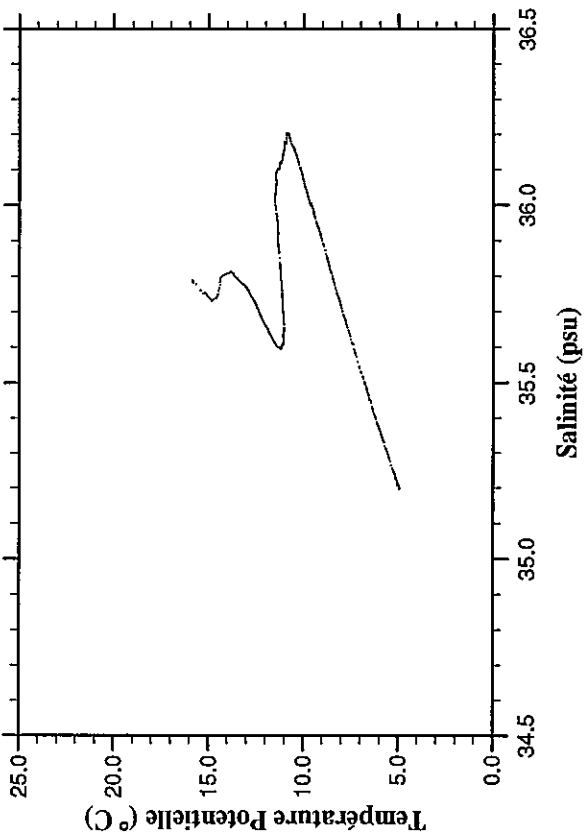
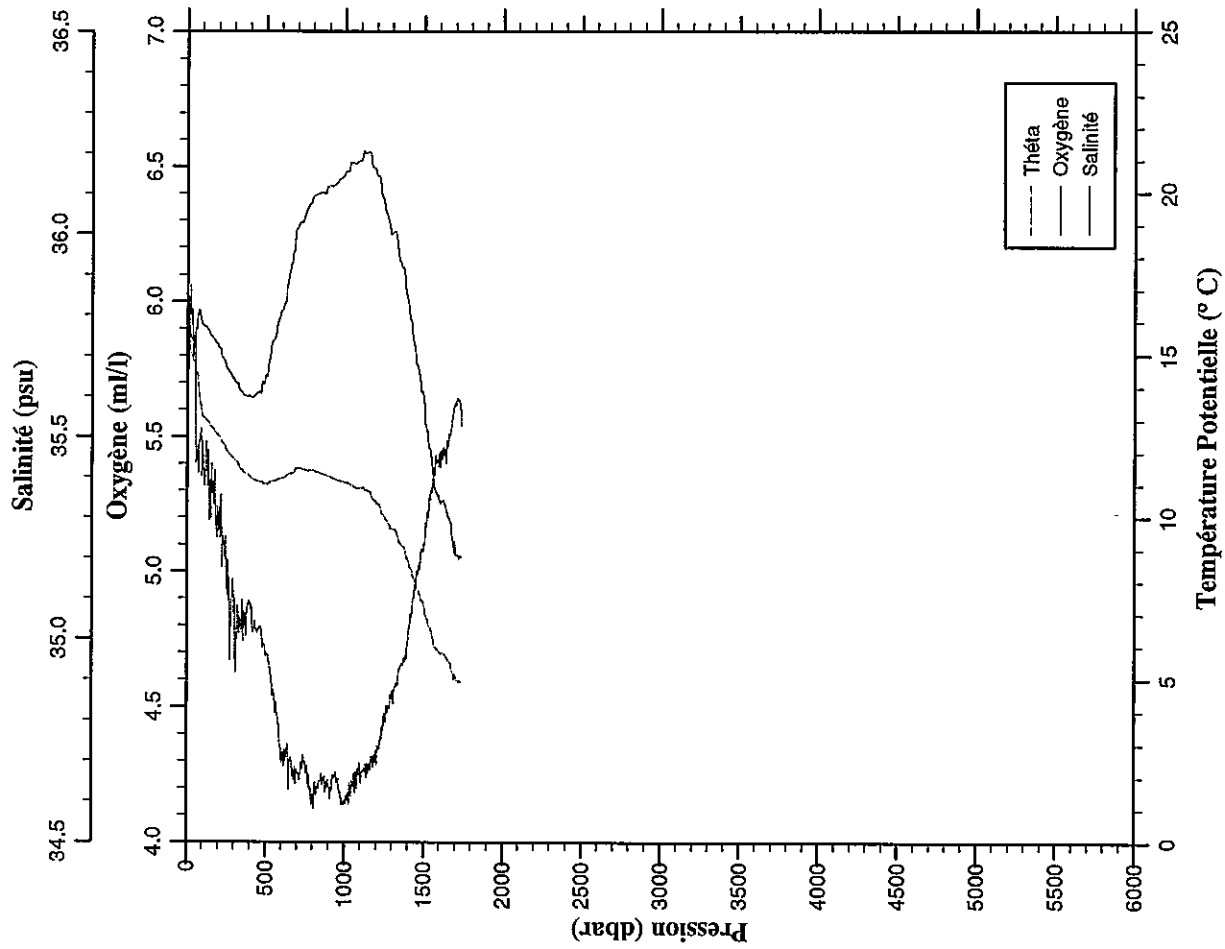
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	15.516	35.754	6.00	15.516
10.0	15.473	35.751	6.33	15.471
20.0	15.355	35.745	6.25	15.352
30.0	15.295	35.746	6.06	15.291
40.0	15.189	35.749	6.02	15.183
50.0	15.096	35.751	5.87	15.089
100.0	13.319	35.807	5.26	13.305
150.0	12.967	35.774	5.22	12.946
200.0	12.531	35.722	5.15	12.504
250.0	12.292	35.688	5.21	12.258
300.0	11.924	35.642	5.10	11.885
350.0	11.598	35.610	4.96	11.553
400.0	11.337	35.595	4.84	11.286
450.0	11.134	35.601	4.84	11.077
500.0	11.166	35.659	4.65	11.103
550.0	11.158	35.702	4.54	11.088
600.0	11.321	35.818	4.34	11.243
650.0	11.467	35.910	4.32	11.382
700.0	11.551	35.979	4.31	11.459
750.0	11.544	36.039	4.25	11.445
800.0	11.487	36.079	4.22	11.381
850.0	11.416	36.104	4.24	11.304
900.0	11.342	36.124	4.21	11.224
950.0	11.142	36.141	4.26	11.018
1000.0	11.103	36.145	4.21	10.973
1050.0	10.918	36.141	4.26	10.783
1100.0	10.819	36.131	4.32	10.678
1150.0	10.510	36.101	4.37	10.364
1200.0	10.104	36.050	4.47	9.955
1230.0	9.952	36.025	4.52	9.801



Station 75

Station	: 76	Campagne	: ARCANE 98
Date	: 14-07-98	Navire	: LA THALASSA
Profondeur	: 1729	Organisme	: IFREMER
Position	: N 42 6.90		
	W 9 33.03		

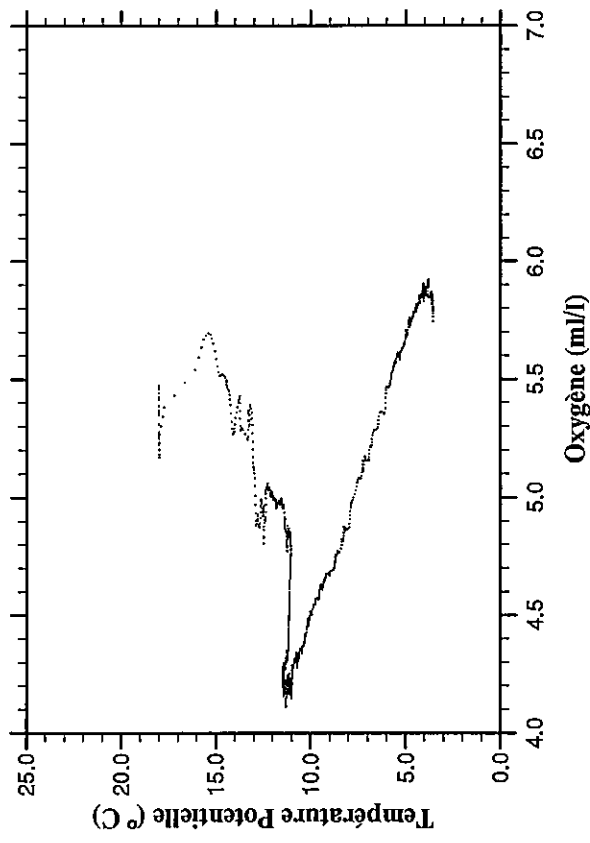
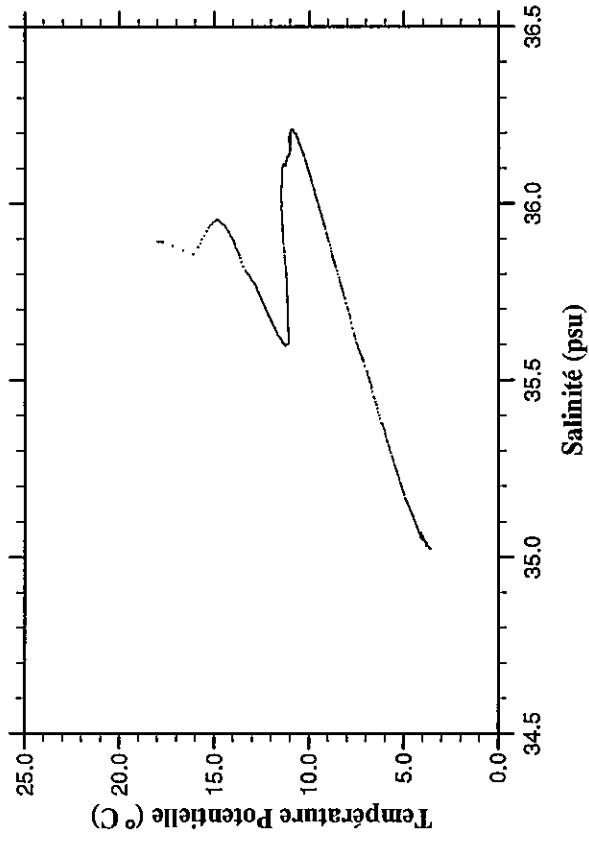
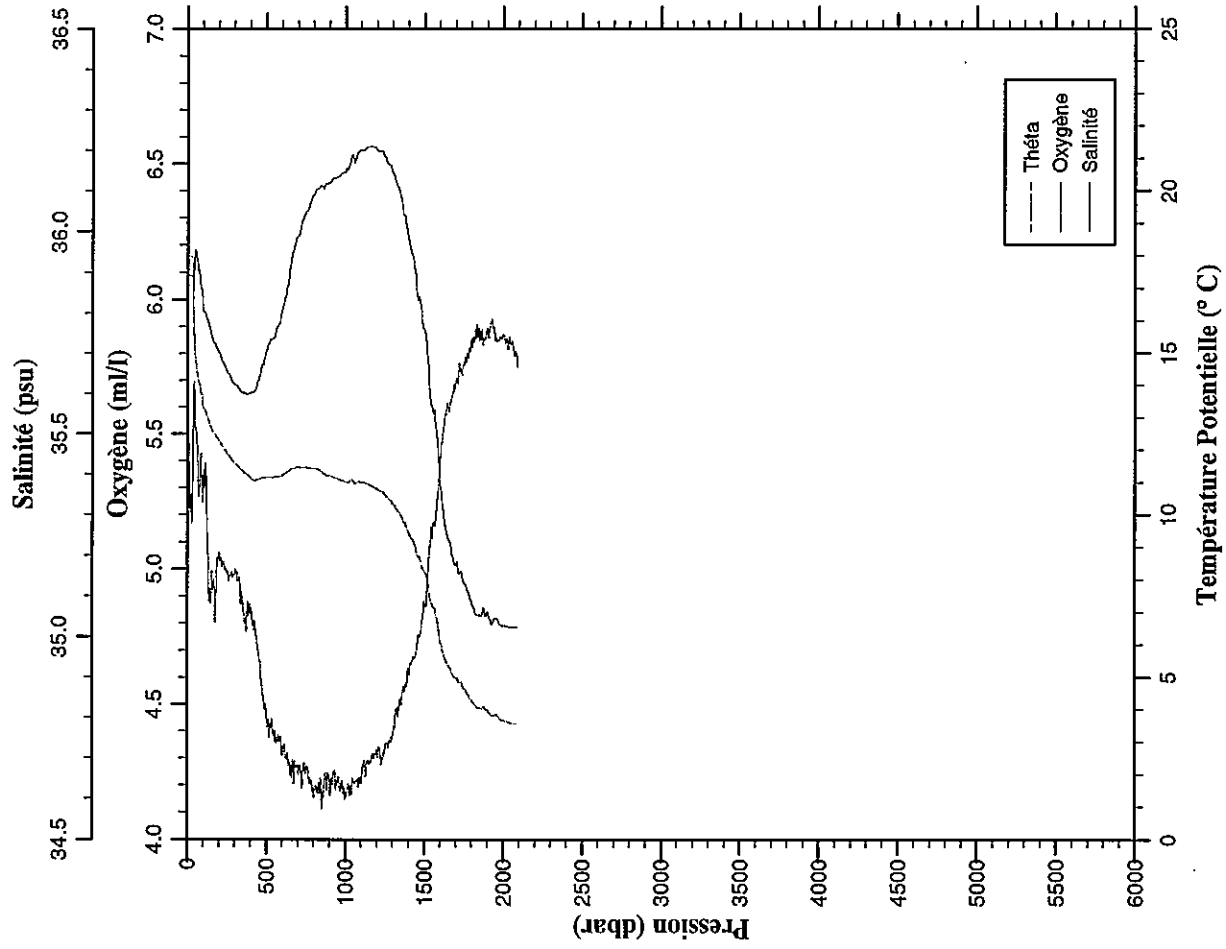
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	15.854	35.784	5.78	15.853
10.0	15.855	35.789	5.79	15.854
20.0	15.126	35.749	6.04	15.123
30.0	14.982	35.738	5.97	14.977
40.0	14.853	35.732	5.87	14.847
50.0	14.582	35.745	5.83	14.575
100.0	13.135	35.775	5.47	13.121
150.0	12.829	35.747	5.20	12.808
200.0	12.539	35.720	5.17	12.512
250.0	12.119	35.668	4.94	12.086
300.0	11.820	35.638	4.91	11.781
350.0	11.515	35.608	4.90	11.470
400.0	11.294	35.599	4.88	11.243
450.0	11.179	35.611	4.78	11.122
500.0	11.097	35.652	4.69	11.034
550.0	11.203	35.739	4.56	11.132
600.0	11.301	35.811	4.29	11.224
650.0	11.454	35.907	4.29	11.369
700.0	11.627	36.017	4.26	11.535
750.0	11.573	36.054	4.30	11.474
800.0	11.561	36.093	4.18	11.455
850.0	11.477	36.102	4.24	11.365
900.0	11.395	36.120	4.21	11.277
950.0	11.288	36.127	4.22	11.163
1000.0	11.203	36.153	4.15	11.073
1050.0	11.117	36.176	4.22	10.980
1100.0	11.052	36.182	4.25	10.909
1150.0	10.974	36.203	4.26	10.825
1200.0	10.581	36.145	4.31	10.428
1250.0	10.159	36.066	4.48	10.003
1300.0	9.800	36.003	4.55	9.641
1350.0	9.361	35.930	4.65	9.200
1400.0	8.818	35.829	4.75	8.655
1450.0	7.992	35.681	4.97	7.832
1500.0	7.444	35.586	5.10	7.285
1550.0	6.560	35.432	5.30	6.405
1600.0	5.988	35.341	5.44	5.834
1650.0	5.764	35.306	5.47	5.608
1700.0	5.224	35.223	5.62	5.070
1736.0	5.096	35.202	5.54	4.939



Station 76

Station	: 77	Campagne	: ARCANE 98
Date	: 14-07-98	Navire	: LA THALASSA
Profondeur	: 2076	Organisme	: IFREMER
Position	: N 42 7.00		
	W 9 40.08		

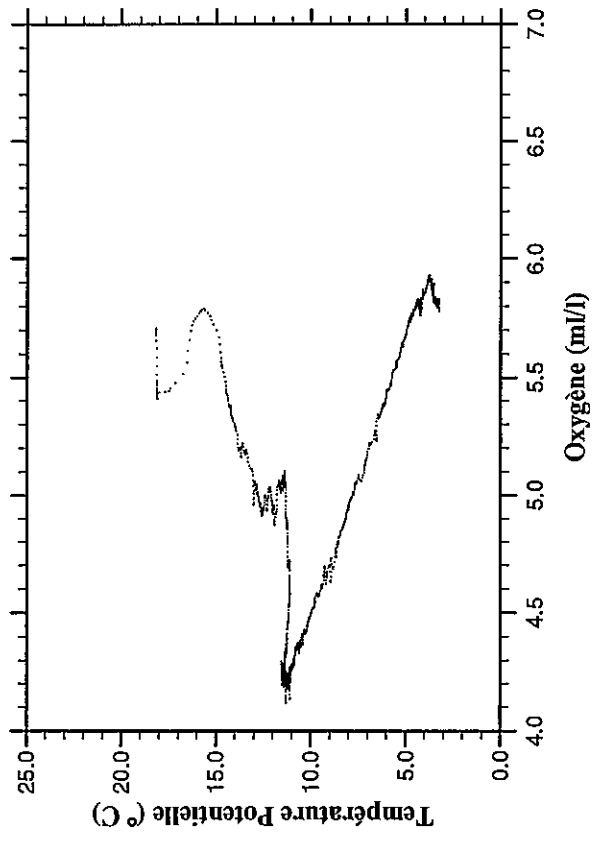
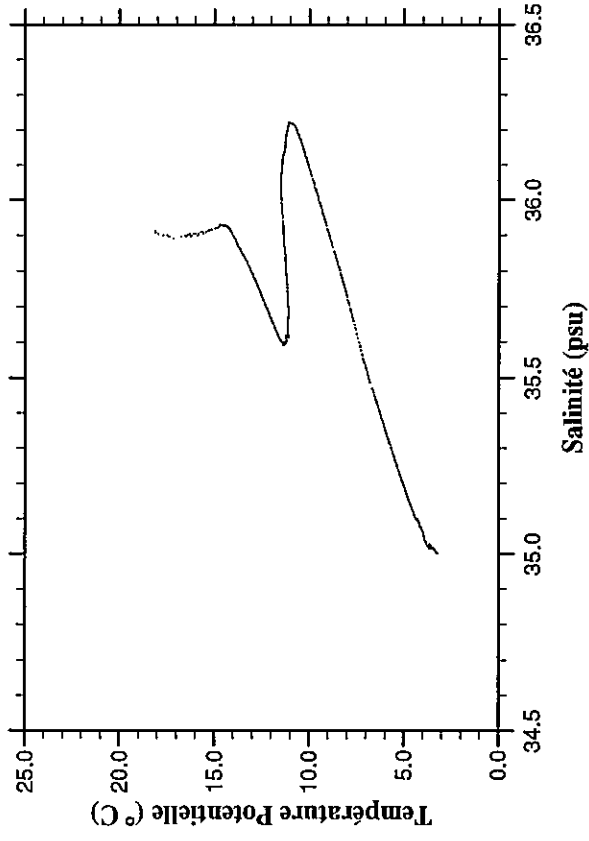
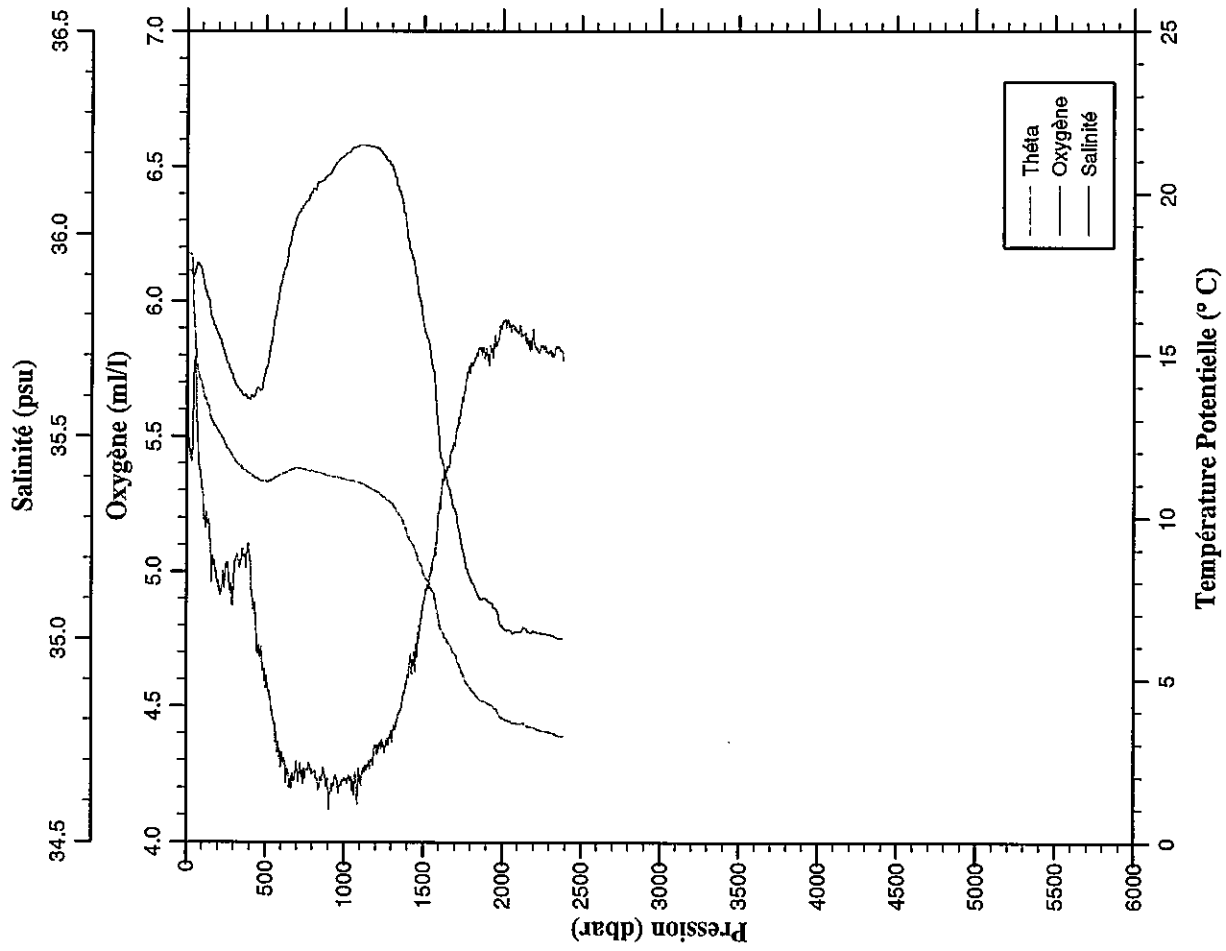
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.015	35.893	5.35	18.015
10.0	18.014	35.893	5.46	18.013
20.0	18.014	35.893	5.28	18.011
30.0	17.989	35.892	5.23	17.984
40.0	15.674	35.898	5.67	15.668
50.0	14.833	35.954	5.52	14.826
100.0	13.315	35.804	5.29	13.301
150.0	12.693	35.747	4.91	12.672
200.0	12.330	35.702	5.06	12.303
250.0	11.924	35.654	4.99	11.891
300.0	11.626	35.623	5.00	11.587
350.0	11.404	35.604	4.88	11.360
400.0	11.166	35.601	4.84	11.115
450.0	11.149	35.638	4.69	11.092
500.0	11.218	35.707	4.47	11.154
550.0	11.236	35.740	4.39	11.166
600.0	11.312	35.813	4.31	11.234
650.0	11.483	35.914	4.24	11.398
700.0	11.560	35.991	4.27	11.468
750.0	11.565	36.049	4.26	11.466
800.0	11.547	36.091	4.16	11.442
850.0	11.442	36.114	4.14	11.330
900.0	11.323	36.121	4.22	11.205
950.0	11.228	36.135	4.21	11.104
1000.0	11.144	36.147	4.16	11.013
1050.0	11.175	36.182	4.22	11.037
1100.0	11.155	36.201	4.21	11.011
1150.0	11.070	36.209	4.28	10.919
1200.0	10.944	36.201	4.33	10.787
1250.0	10.777	36.185	4.32	10.615
1300.0	10.504	36.145	4.39	10.338
1350.0	10.167	36.087	4.52	9.998
1400.0	9.614	35.982	4.63	9.443
1450.0	8.972	35.853	4.70	8.802
1500.0	8.433	35.758	4.87	8.262
1550.0	7.392	35.564	5.12	7.227
1600.0	6.252	35.371	5.38	6.095
1650.0	5.517	35.241	5.60	5.364
1700.0	5.130	35.176	5.69	4.977
1750.0	4.805	35.133	5.76	4.651
1800.0	4.435	35.081	5.84	4.281
1850.0	4.213	35.054	5.86	4.057
1900.0	4.165	35.061	5.89	4.004
1950.0	4.010	35.046	5.86	3.847
2000.0	3.841	35.028	5.87	3.676
2050.0	3.763	35.024	5.84	3.594
2089.0	3.749	35.024	5.75	3.576



Station 77

Station	: 78	Campagne	: ARCANE 98
Date	: 14-07-98	Navire	: LA THALASSA
Profondeur	: 2365	Organisme	: IFREMER
Position	: N 42 7.95		
	W 9 48.96		

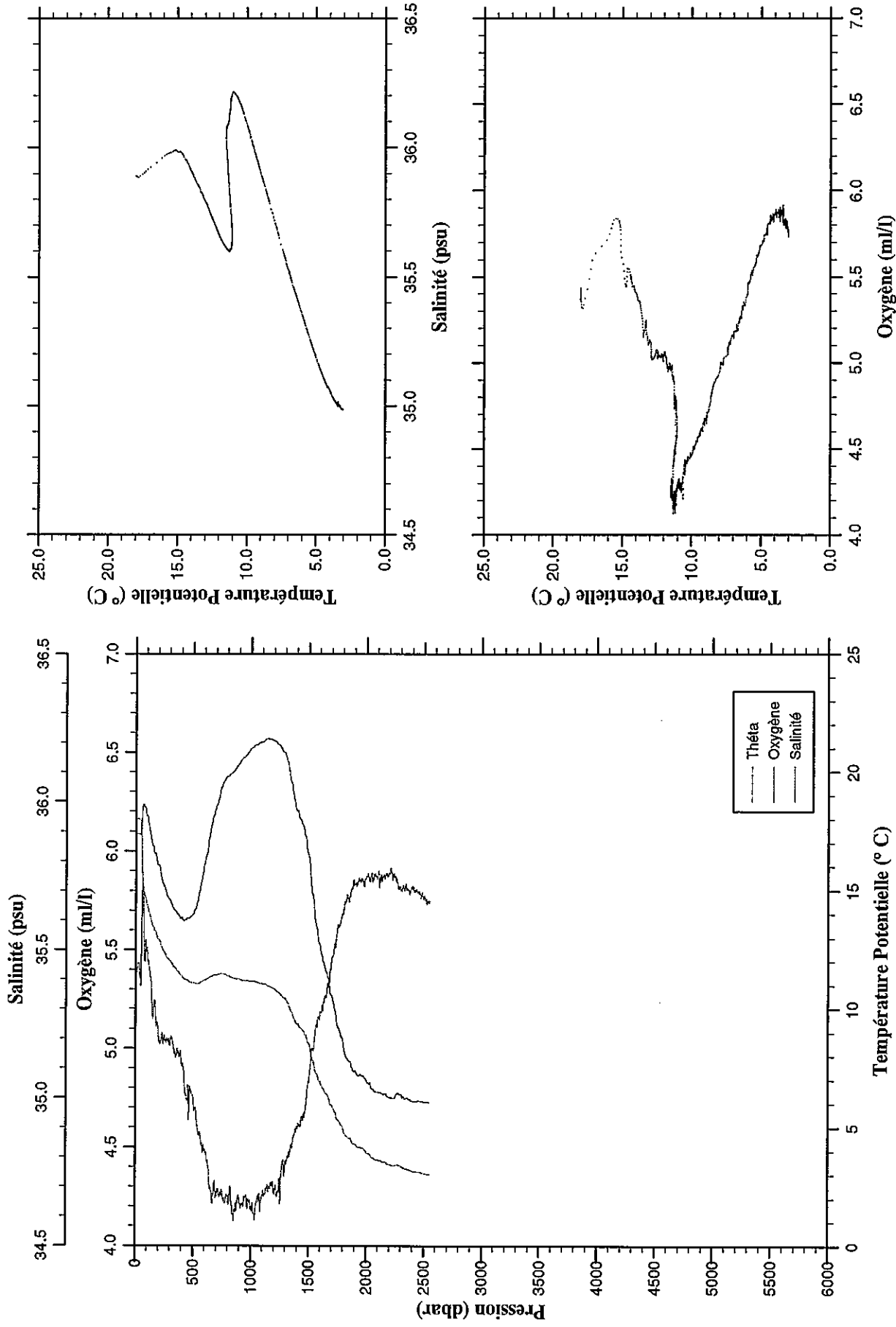
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.166	35.910	5.71	18.166
10.0	18.164	35.910	5.55	18.162
20.0	18.166	35.910	5.44	18.162
30.0	18.122	35.908	5.41	18.117
40.0	16.564	35.898	5.57	16.557
50.0	15.770	35.908	5.79	15.762
100.0	14.032	35.898	5.30	14.017
150.0	13.132	35.803	5.11	13.111
200.0	12.696	35.749	4.97	12.668
250.0	12.241	35.689	5.03	12.208
300.0	11.845	35.638	4.98	11.806
350.0	11.566	35.605	5.07	11.521
400.0	11.397	35.593	5.05	11.346
450.0	11.254	35.621	4.69	11.197
500.0	11.192	35.664	4.59	11.128
550.0	11.281	35.775	4.45	11.211
600.0	11.429	35.885	4.30	11.351
650.0	11.537	35.972	4.20	11.452
700.0	11.618	36.048	4.28	11.526
750.0	11.587	36.080	4.24	11.488
800.0	11.557	36.114	4.26	11.451
850.0	11.495	36.131	4.24	11.383
900.0	11.416	36.148	4.17	11.297
950.0	11.372	36.179	4.24	11.247
1000.0	11.326	36.195	4.23	11.194
1050.0	11.282	36.214	4.18	11.144
1100.0	11.223	36.221	4.23	11.078
1150.0	11.097	36.219	4.28	10.946
1200.0	10.964	36.213	4.35	10.807
1250.0	10.806	36.195	4.36	10.645
1300.0	10.612	36.167	4.39	10.445
1350.0	10.260	36.105	4.48	10.090
1400.0	9.614	35.988	4.62	9.444
1450.0	9.118	35.898	4.65	8.946
1500.0	8.419	35.773	4.88	8.248
1550.0	7.979	35.688	5.01	7.808
1600.0	6.971	35.487	5.23	6.806
1650.0	6.359	35.386	5.38	6.195
1700.0	5.945	35.317	5.48	5.781
1750.0	5.321	35.217	5.63	5.160
1800.0	4.879	35.149	5.77	4.719
1850.0	4.564	35.103	5.83	4.402
1900.0	4.466	35.099	5.83	4.301
1950.0	4.280	35.076	5.87	4.113
2000.0	3.985	35.030	5.92	3.817
2050.0	3.892	35.022	5.90	3.721
2100.0	3.817	35.018	5.88	3.642
2150.0	3.804	35.026	5.85	3.625
2200.0	3.715	35.019	5.85	3.532
2250.0	3.616	35.015	5.83	3.429
2300.0	3.572	35.011	5.81	3.382
2350.0	3.473	35.003	5.83	3.279
2382.0	3.460	35.002	5.78	3.263



Station 78

Station	: 79	Campagne	: ARCANE 98
Date	: 14-07-98	Navire	: LA THALASSA
Profondeur	: 2524	Organisme	: IFREMER
Position	: N 42 10.96		
	W 9 57.90		

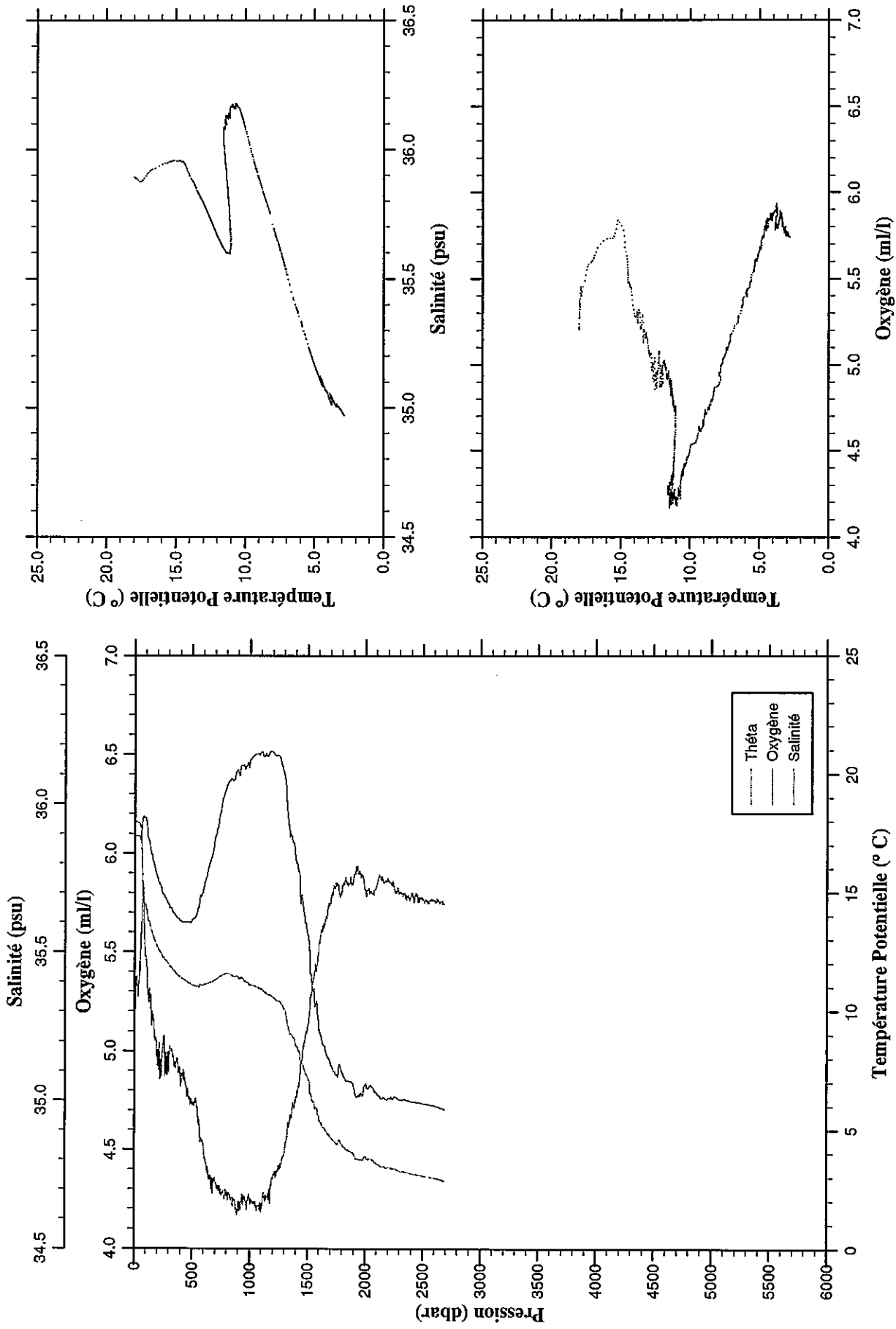
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.029	35.891	5.37	18.029
10.0	18.025	35.891	5.40	18.023
20.0	18.030	35.891	5.44	18.026
30.0	18.010	35.890	5.42	18.004
40.0	18.007	35.890	5.37	18.001
50.0	17.306	35.910	5.55	17.298
100.0	14.414	35.951	5.50	14.399
150.0	13.513	35.852	5.16	13.492
200.0	12.959	35.786	5.04	12.932
250.0	12.444	35.715	5.06	12.410
300.0	12.071	35.665	5.03	12.031
350.0	11.753	35.629	4.96	11.707
400.0	11.437	35.607	4.92	11.386
450.0	11.270	35.608	4.74	11.213
500.0	11.178	35.622	4.75	11.114
550.0	11.175	35.694	4.57	11.104
600.0	11.312	35.799	4.49	11.234
650.0	11.464	35.910	4.30	11.379
700.0	11.554	35.989	4.27	11.462
750.0	11.598	36.059	4.28	11.499
800.0	11.519	36.086	4.26	11.414
850.0	11.419	36.104	4.14	11.307
900.0	11.384	36.131	4.23	11.266
950.0	11.329	36.156	4.24	11.204
1000.0	11.312	36.182	4.20	11.181
1050.0	11.273	36.192	4.22	11.135
1100.0	11.229	36.204	4.26	11.085
1150.0	11.123	36.214	4.28	10.972
1200.0	11.018	36.207	4.28	10.862
1250.0	10.806	36.189	4.33	10.644
1300.0	10.549	36.153	4.43	10.382
1350.0	10.045	36.065	4.51	9.877
1400.0	9.537	35.970	4.60	9.367
1450.0	9.256	35.917	4.64	9.083
1500.0	8.712	35.816	4.83	8.538
1550.0	7.592	35.606	5.05	7.425
1600.0	7.049	35.505	5.18	6.882
1650.0	6.606	35.427	5.26	6.440
1700.0	6.121	35.345	5.46	5.955
1750.0	5.494	35.240	5.63	5.330
1800.0	5.096	35.178	5.71	4.932
1850.0	4.735	35.125	5.75	4.571
1900.0	4.490	35.092	5.84	4.325
1950.0	4.342	35.077	5.84	4.174
2000.0	4.160	35.060	5.88	3.990
2050.0	3.928	35.031	5.84	3.757
2100.0	3.827	35.020	5.89	3.652
2150.0	3.730	35.012	5.88	3.551
2200.0	3.636	35.003	5.89	3.455
2250.0	3.598	35.005	5.88	3.412
2300.0	3.584	35.014	5.81	3.394
2350.0	3.471	35.002	5.82	3.277
2400.0	3.361	34.989	5.82	3.164
2450.0	3.343	34.990	5.79	3.141
2500.0	3.271	34.988	5.78	3.066
2548.0	3.249	34.986	5.74	3.040



Station 79

Station	: 80	Campagne	: ARCANE 98
Date	: 14-07-98	Navire	: LA THALASSA
Profondeur	: 2662	Organisme	: IFREMER
Position	: N 42 14.55		
	W 10 6.99		

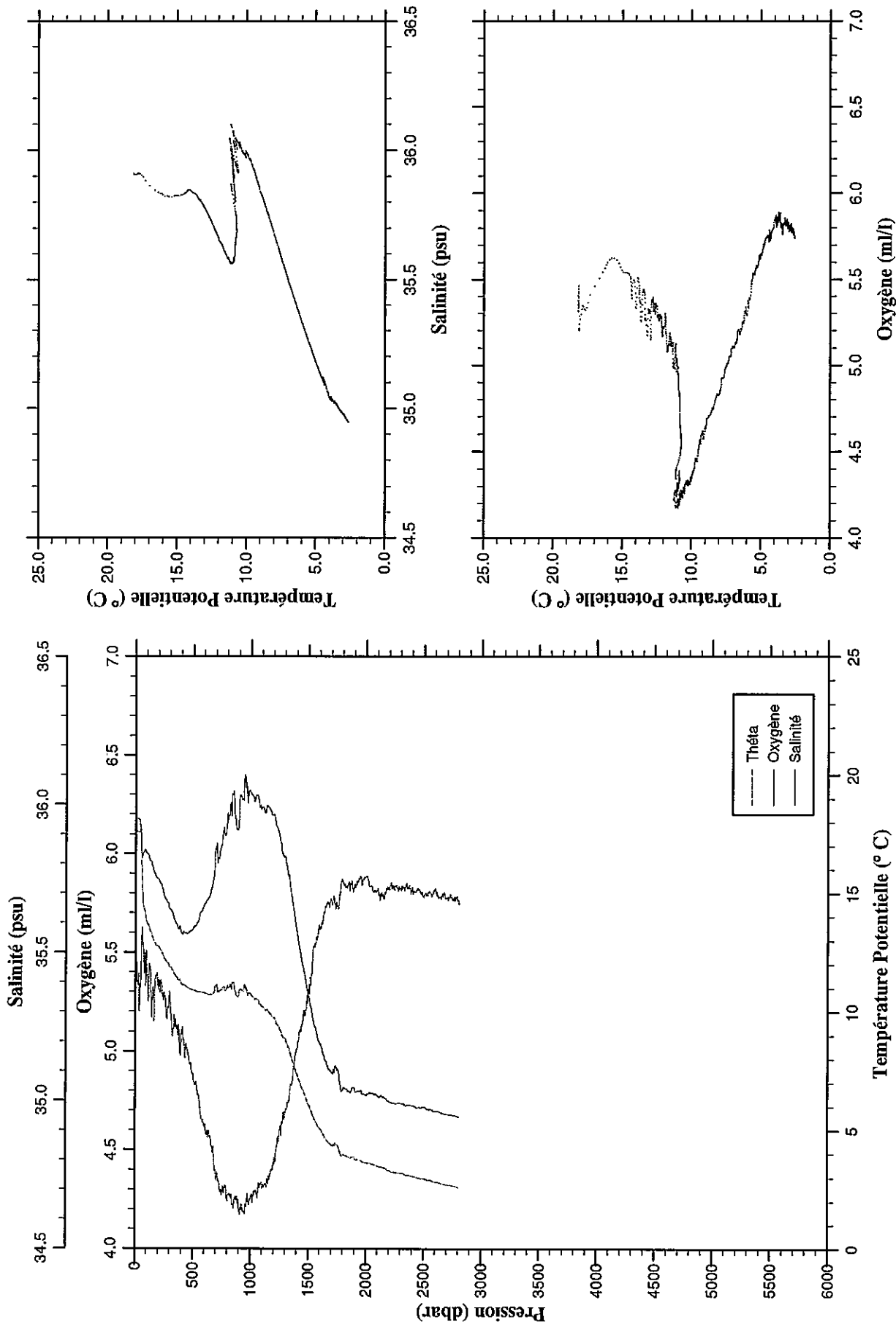
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.005	35.893	5.22	18.005
10.0	17.996	35.893	5.27	17.994
20.0	17.991	35.893	5.38	17.987
30.0	17.978	35.892	5.29	17.973
40.0	17.955	35.891	5.36	17.948
50.0	17.822	35.888	5.42	17.814
100.0	14.376	35.944	5.46	14.361
150.0	13.376	35.827	5.19	13.355
200.0	12.699	35.747	4.93	12.671
250.0	12.282	35.694	5.07	12.249
300.0	12.004	35.658	4.98	11.965
350.0	11.703	35.626	4.93	11.658
400.0	11.469	35.606	4.82	11.418
450.0	11.305	35.600	4.80	11.247
500.0	11.170	35.609	4.74	11.106
550.0	11.139	35.650	4.65	11.069
600.0	11.194	35.717	4.50	11.118
650.0	11.294	35.799	4.37	11.210
700.0	11.441	35.892	4.33	11.349
750.0	11.595	35.984	4.30	11.496
800.0	11.696	36.063	4.27	11.590
850.0	11.593	36.079	4.22	11.480
900.0	11.534	36.108	4.20	11.415
950.0	11.424	36.127	4.25	11.299
1000.0	11.259	36.150	4.24	11.128
1050.0	11.183	36.167	4.21	11.046
1100.0	11.083	36.176	4.19	10.939
1150.0	10.869	36.160	4.26	10.720
1200.0	10.760	36.173	4.35	10.605
1250.0	10.595	36.163	4.42	10.435
1300.0	10.217	36.094	4.48	10.054
1350.0	9.220	35.898	4.68	9.060
1400.0	8.705	35.805	4.77	8.544
1450.0	8.050	35.685	4.96	7.890
1500.0	7.340	35.557	5.12	7.182
1550.0	6.333	35.368	5.37	6.181
1600.0	5.568	35.234	5.55	5.419
1650.0	5.196	35.175	5.65	5.047
1700.0	4.840	35.122	5.75	4.690
1750.0	4.585	35.085	5.84	4.434
1800.0	4.532	35.093	5.83	4.376
1850.0	4.316	35.067	5.84	4.158
1900.0	4.110	35.041	5.89	3.951
1950.0	3.938	35.022	5.90	3.776
2000.0	4.044	35.054	5.81	3.876
2050.0	3.951	35.049	5.80	3.779
2100.0	3.759	35.024	5.84	3.585
2150.0	3.632	35.009	5.87	3.455
2200.0	3.598	35.009	5.86	3.417
2250.0	3.568	35.013	5.82	3.382
2300.0	3.468	35.004	5.80	3.279
2350.0	3.431	35.003	5.79	3.238
2400.0	3.361	34.997	5.79	3.164
2450.0	3.327	34.995	5.78	3.126
2500.0	3.271	34.991	5.77	3.066
2550.0	3.238	34.987	5.74	3.028
2600.0	3.193	34.983	5.76	2.979
2650.0	3.126	34.976	5.76	2.909
2684.0	3.064	34.970	5.74	2.845



Station 80

Station	: 81	Campagne	: ARCANE 98
Date	: 14-07-98	Navire	: LA THALASSA
Profondeur	: 2779	Organisme	: IFREMER
Position	: N 42 18.12		
	W 10 15.96		

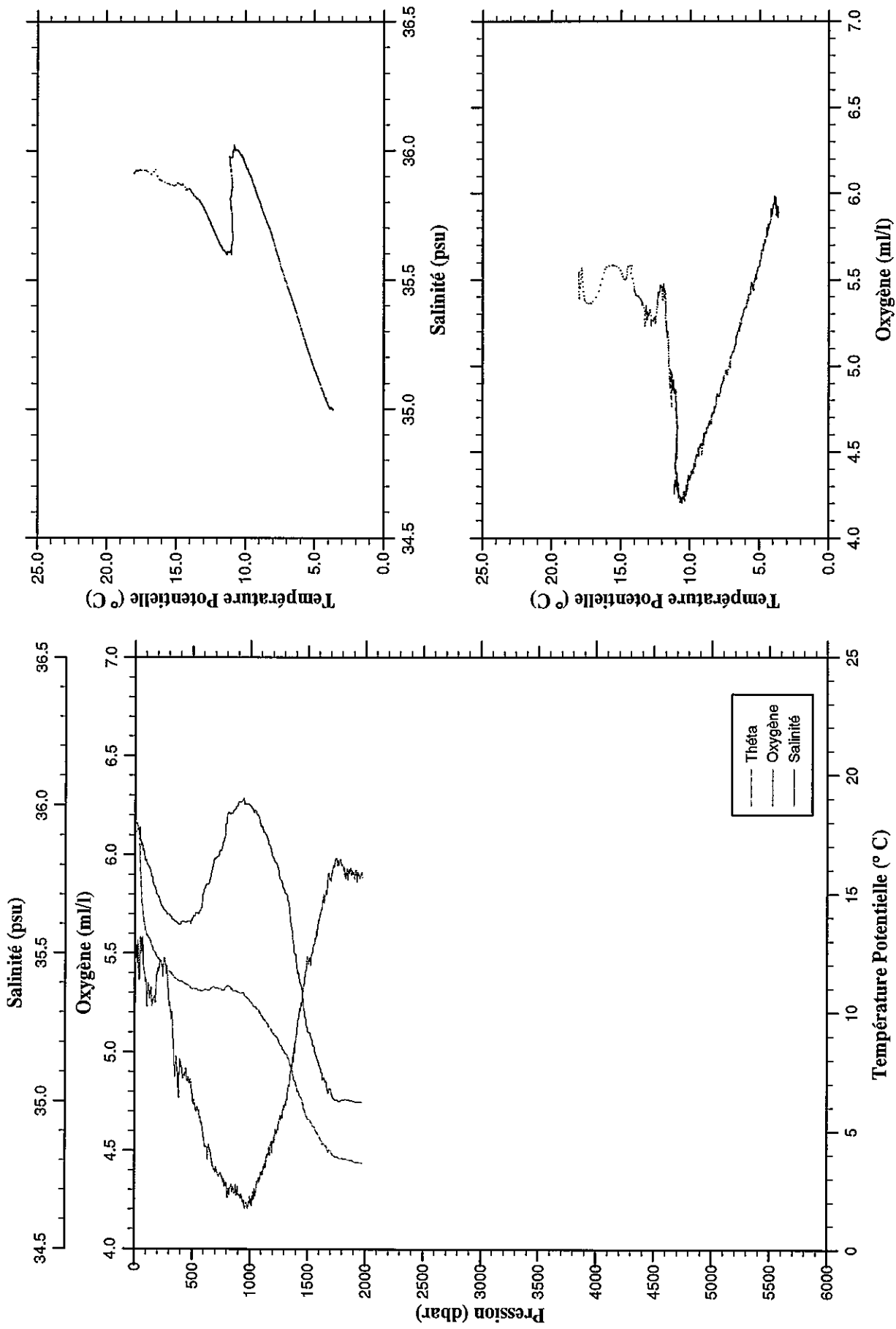
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.169	35.910	5.31	18.169
10.0	18.164	35.910	5.46	18.162
20.0	18.162	35.909	5.36	18.158
30.0	18.136	35.907	5.33	18.130
40.0	17.906	35.909	5.33	17.899
50.0	16.651	35.845	5.51	16.643
100.0	13.777	35.834	5.41	13.763
150.0	13.126	35.785	5.32	13.106
200.0	12.783	35.748	5.34	12.756
250.0	12.301	35.689	5.29	12.268
300.0	11.924	35.645	5.26	11.885
350.0	11.543	35.599	5.16	11.498
400.0	11.228	35.566	5.11	11.177
450.0	11.080	35.563	5.01	11.024
500.0	10.985	35.583	4.88	10.922
550.0	10.901	35.613	4.78	10.832
600.0	10.861	35.662	4.62	10.786
650.0	10.807	35.701	4.57	10.726
700.0	11.219	35.862	4.37	11.129
750.0	11.033	35.869	4.27	10.937
800.0	11.196	35.966	4.24	11.092
850.0	11.362	36.047	4.23	11.251
900.0	11.002	36.008	4.20	10.887
950.0	11.239	36.096	4.18	11.115
1000.0	10.870	36.040	4.26	10.742
1050.0	10.678	36.032	4.29	10.545
1100.0	10.372	35.993	4.31	10.234
1150.0	10.163	35.993	4.34	10.020
1200.0	9.921	35.968	4.43	9.774
1250.0	9.439	35.887	4.60	9.290
1300.0	9.001	35.819	4.69	8.849
1350.0	8.281	35.699	4.83	8.131
1400.0	7.561	35.572	5.01	7.412
1450.0	6.886	35.457	5.16	6.738
1500.0	6.245	35.351	5.31	6.099
1550.0	5.629	35.255	5.54	5.484
1600.0	5.223	35.193	5.63	5.079
1650.0	4.833	35.136	5.73	4.688
1700.0	4.541	35.097	5.76	4.395
1750.0	4.548	35.109	5.73	4.397
1800.0	4.111	35.041	5.86	3.961
1850.0	4.032	35.033	5.86	3.878
1900.0	4.008	35.041	5.85	3.849
1950.0	3.918	35.034	5.88	3.757
2000.0	3.795	35.019	5.88	3.630
2050.0	3.769	35.027	5.83	3.600
2100.0	3.681	35.016	5.82	3.508
2150.0	3.630	35.014	5.77	3.453
2200.0	3.495	34.998	5.82	3.316
2250.0	3.428	34.993	5.84	3.244
2300.0	3.396	34.992	5.82	3.208
2350.0	3.320	34.985	5.84	3.129
2400.0	3.279	34.985	5.82	3.084
2450.0	3.208	34.977	5.82	3.009
2500.0	3.185	34.978	5.79	2.981
2550.0	3.120	34.973	5.80	2.913
2600.0	3.042	34.963	5.81	2.831
2650.0	3.000	34.961	5.77	2.785
2700.0	2.942	34.955	5.78	2.723
2750.0	2.907	34.952	5.77	2.684
2800.0	2.831	34.946	5.75	2.605
2803.0	2.830	34.946	5.74	2.603



Station 81

Station	: 82	Campagne	: ARCANE 98
Date	: 14-07-98	Navire	: LA THALASSA
Profondeur	: 1963	Organisme	: IFREMER
Position	: N 42 24.13		
	W 10 38.07		

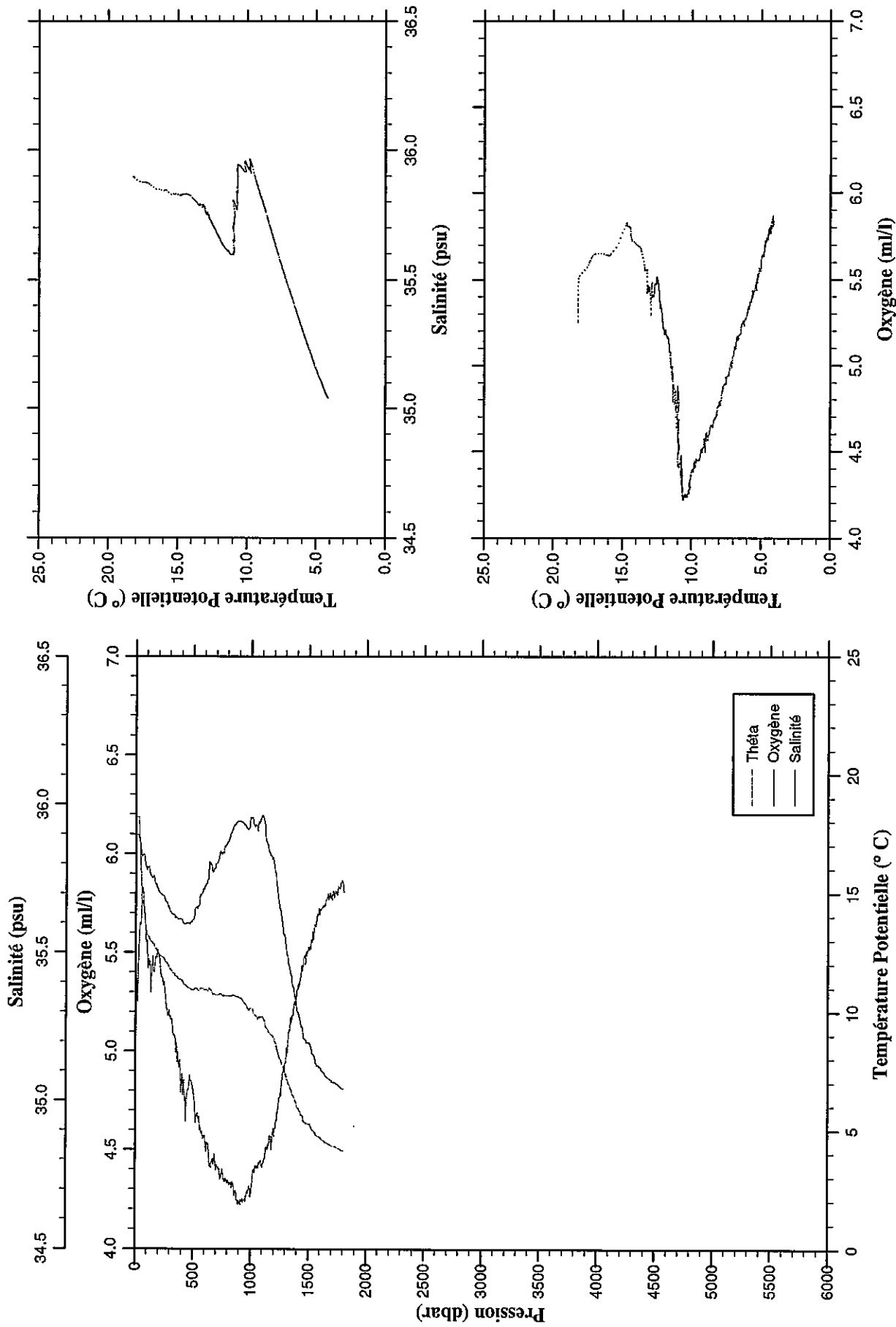
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.027	35.911	5.39	18.026
10.0	18.029	35.912	5.54	18.027
20.0	17.929	35.921	5.46	17.926
30.0	17.790	35.923	5.49	17.784
40.0	17.129	35.923	5.37	17.122
50.0	15.640	35.874	5.58	15.632
100.0	13.359	35.809	5.34	13.345
150.0	12.857	35.760	5.24	12.836
200.0	12.337	35.695	5.43	12.310
250.0	11.963	35.649	5.46	11.930
300.0	11.776	35.631	5.25	11.737
350.0	11.494	35.608	4.88	11.449
400.0	11.373	35.605	4.95	11.321
450.0	11.243	35.606	4.86	11.185
500.0	11.067	35.620	4.79	11.004
550.0	11.015	35.635	4.70	10.946
600.0	11.029	35.717	4.56	10.953
650.0	11.046	35.750	4.51	10.964
700.0	11.129	35.821	4.40	11.040
750.0	11.054	35.850	4.37	10.958
800.0	11.232	35.967	4.28	11.128
850.0	11.029	35.979	4.31	10.919
900.0	10.954	36.012	4.28	10.839
950.0	10.829	36.002	4.22	10.707
1000.0	10.597	35.999	4.27	10.471
1050.0	10.342	35.980	4.28	10.211
1100.0	10.012	35.930	4.38	9.877
1150.0	9.669	35.888	4.48	9.531
1200.0	9.273	35.826	4.54	9.131
1250.0	8.900	35.768	4.64	8.756
1300.0	8.462	35.706	4.73	8.315
1350.0	7.878	35.606	4.89	7.732
1400.0	7.057	35.467	5.08	6.913
1450.0	6.453	35.372	5.27	6.310
1500.0	5.659	35.235	5.47	5.519
1550.0	5.346	35.187	5.55	5.205
1600.0	4.889	35.120	5.68	4.749
1650.0	4.522	35.067	5.79	4.381
1700.0	4.297	35.037	5.87	4.154
1750.0	4.062	35.007	5.98	3.918
1800.0	3.989	35.007	5.94	3.840
1850.0	3.943	35.005	5.92	3.790
1900.0	3.870	35.001	5.90	3.714
1950.0	3.839	34.999	5.88	3.679
1971.0	3.817	34.998	5.88	3.655



Station 82

Station	: 83	Campagne	: ARCANE 98
Date	: 15-07-98	Navire	: LA THALASSA
Profondeur	: 1795	Organisme	: IFREMER
Position	: N 42 30.10		
	W 11 0.12		

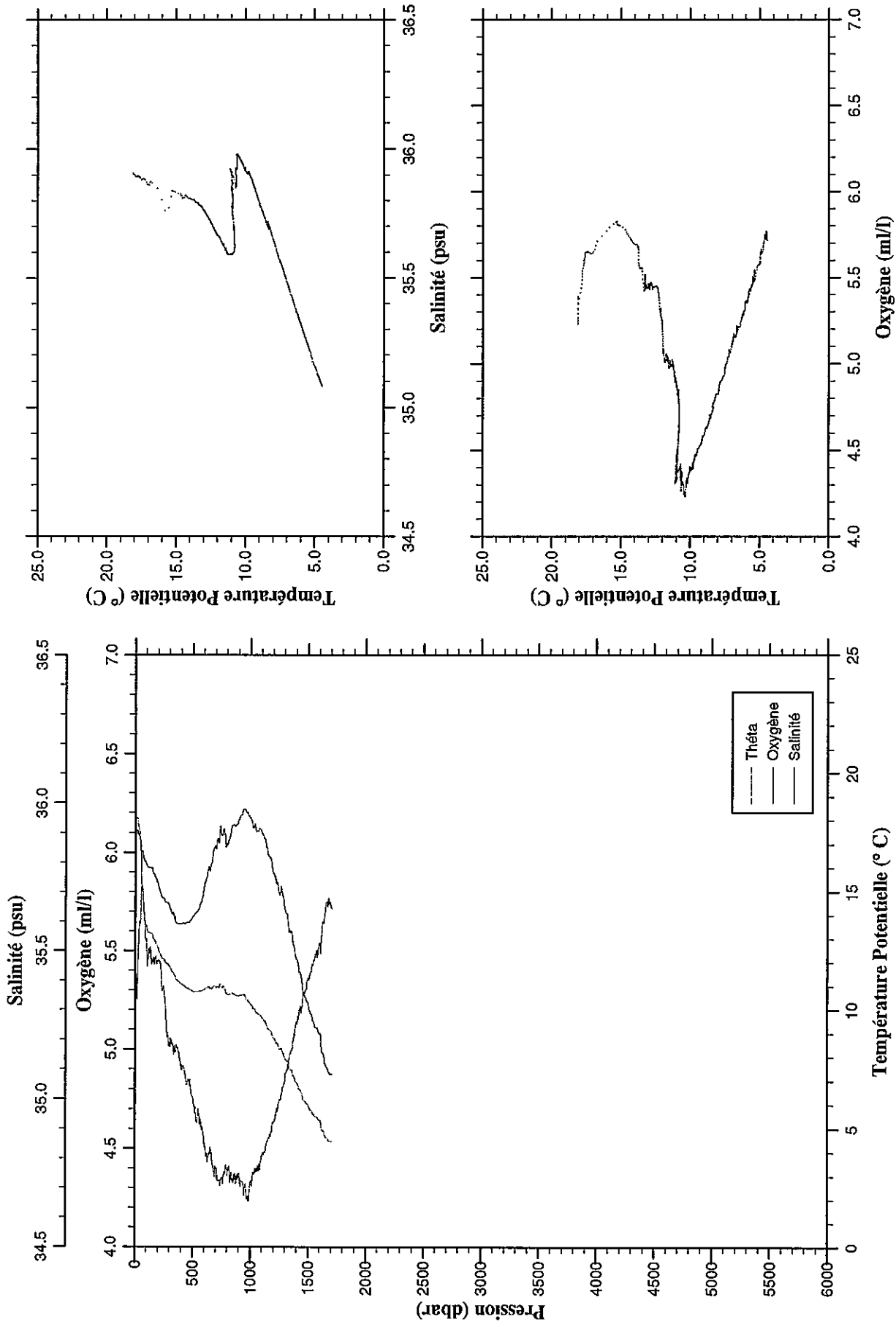
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.216	35.898	5.31	18.216
10.0	18.217	35.899	5.39	18.215
20.0	18.215	35.898	5.35	18.211
30.0	17.590	35.876	5.57	17.585
40.0	16.563	35.850	5.65	16.556
50.0	15.167	35.832	5.74	15.159
100.0	13.239	35.781	5.54	13.225
150.0	12.880	35.756	5.48	12.860
200.0	12.468	35.707	5.48	12.441
250.0	12.234	35.682	5.33	12.201
300.0	11.847	35.640	5.18	11.807
350.0	11.555	35.618	4.99	11.510
400.0	11.387	35.611	4.86	11.335
450.0	11.099	35.600	4.80	11.042
500.0	10.995	35.611	4.81	10.932
550.0	10.990	35.660	4.66	10.920
600.0	11.015	35.723	4.57	10.939
650.0	11.017	35.798	4.43	10.934
700.0	10.809	35.800	4.40	10.721
750.0	10.787	35.836	4.40	10.693
800.0	10.782	35.874	4.33	10.681
850.0	10.829	35.927	4.32	10.721
900.0	10.709	35.943	4.23	10.595
950.0	10.468	35.929	4.25	10.349
1000.0	10.280	35.957	4.30	10.156
1050.0	9.939	35.927	4.41	9.811
1100.0	9.912	35.962	4.42	9.778
1150.0	9.308	35.849	4.52	9.173
1200.0	8.980	35.794	4.57	8.841
1250.0	8.172	35.650	4.77	8.034
1300.0	7.492	35.529	4.94	7.355
1350.0	6.816	35.420	5.15	6.680
1400.0	6.119	35.304	5.31	5.985
1450.0	5.636	35.230	5.43	5.502
1500.0	5.410	35.196	5.53	5.273
1550.0	5.067	35.142	5.64	4.930
1600.0	4.835	35.111	5.72	4.695
1650.0	4.609	35.082	5.77	4.467
1700.0	4.478	35.063	5.77	4.333
1750.0	4.409	35.055	5.81	4.260
1800.0	4.289	35.041	5.82	4.136
1803.0	4.289	35.041	5.81	4.137



Station 83

Station	: 84	Campagne	: ARCANE 98
Date	: 15-07-98	Navire	: LA THALASSA
Profondeur	: 1699	Organisme	: IFREMER
Position	: N 42 36.00		
	W 11 22.22		

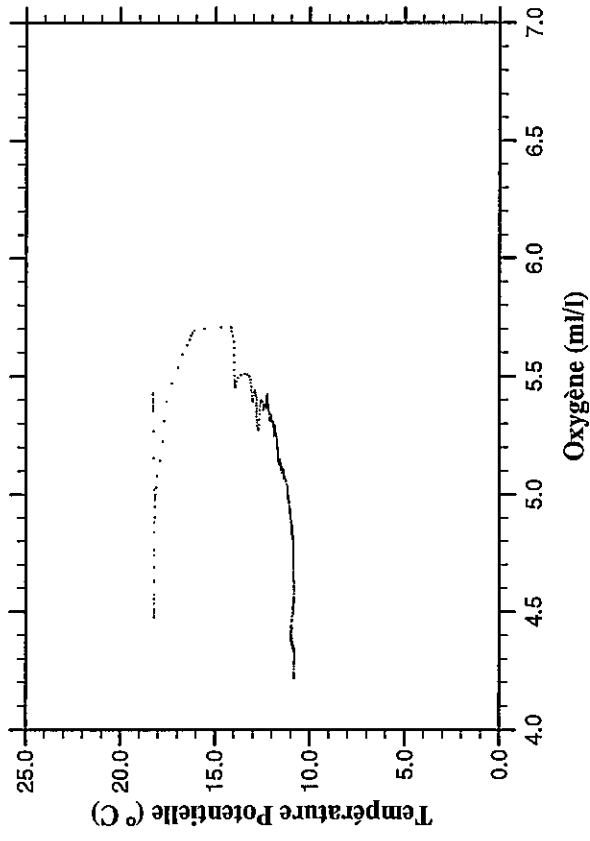
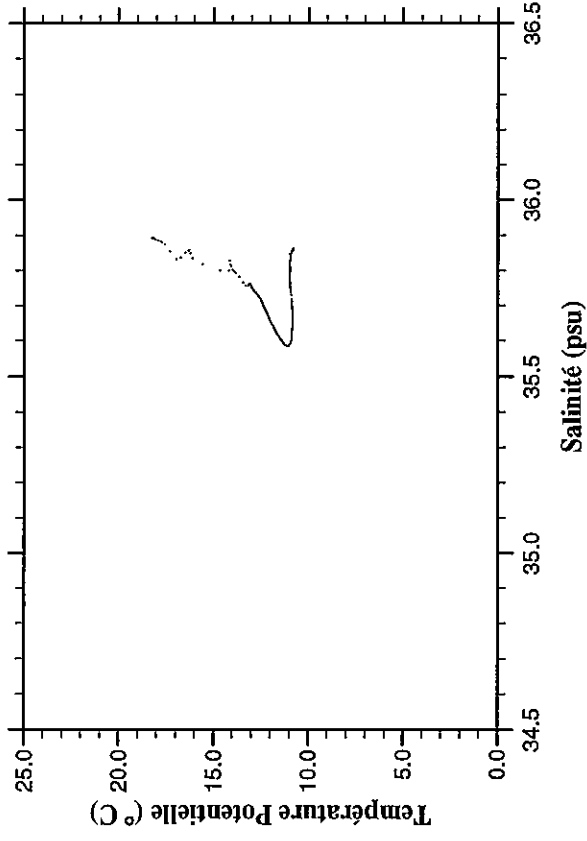
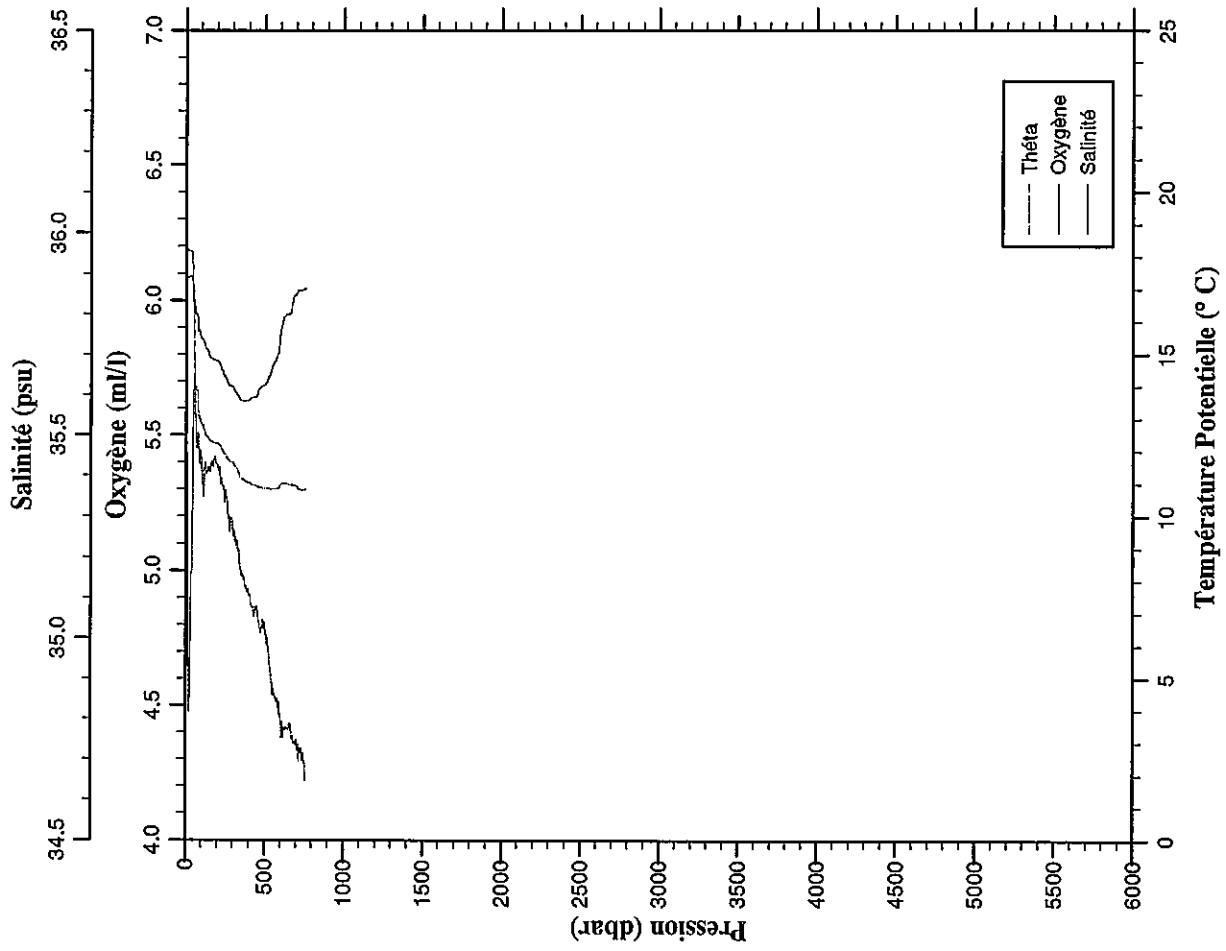
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.117	35.908	5.23	18.117
10.0	18.126	35.908	5.39	18.124
20.0	18.088	35.906	5.35	18.084
30.0	17.717	35.894	5.57	17.712
40.0	17.393	35.886	5.65	17.386
50.0	16.381	35.849	5.74	16.373
100.0	13.482	35.793	5.54	13.468
150.0	13.190	35.777	5.45	13.169
200.0	12.597	35.723	5.45	12.570
250.0	12.176	35.678	5.29	12.143
300.0	11.836	35.647	5.01	11.797
350.0	11.385	35.598	4.98	11.340
400.0	11.157	35.592	4.92	11.106
450.0	10.985	35.597	4.82	10.928
500.0	10.851	35.616	4.76	10.788
550.0	10.859	35.640	4.68	10.790
600.0	10.968	35.729	4.51	10.892
650.0	10.986	35.771	4.49	10.903
700.0	11.040	35.848	4.40	10.951
750.0	11.066	35.892	4.35	10.969
800.0	10.763	35.860	4.36	10.662
850.0	10.802	35.926	4.33	10.694
900.0	10.725	35.944	4.38	10.611
950.0	10.705	35.981	4.30	10.585
1000.0	10.383	35.948	4.33	10.258
1050.0	10.020	35.905	4.40	9.891
1100.0	9.812	35.900	4.46	9.678
1150.0	9.343	35.827	4.54	9.207
1200.0	8.943	35.761	4.63	8.804
1250.0	8.485	35.690	4.74	8.344
1300.0	8.069	35.638	4.86	7.926
1350.0	7.618	35.562	4.99	7.474
1400.0	7.068	35.473	5.13	6.924
1450.0	6.502	35.376	5.25	6.359
1500.0	6.153	35.322	5.35	6.008
1550.0	5.732	35.254	5.45	5.587
1600.0	5.522	35.221	5.54	5.374
1650.0	4.832	35.114	5.71	4.687
1700.0	4.626	35.084	5.72	4.479
1705.0	4.622	35.083	5.72	4.475



Station 84

Station	: 85	Campagne	: ARCANE 98
Date	: 15-07-98	Navire	: LA THALASSA
Profondeur	: 769	Organisme	: IFREMER
Position	: N 42 42.04		
	W 11 43.88		

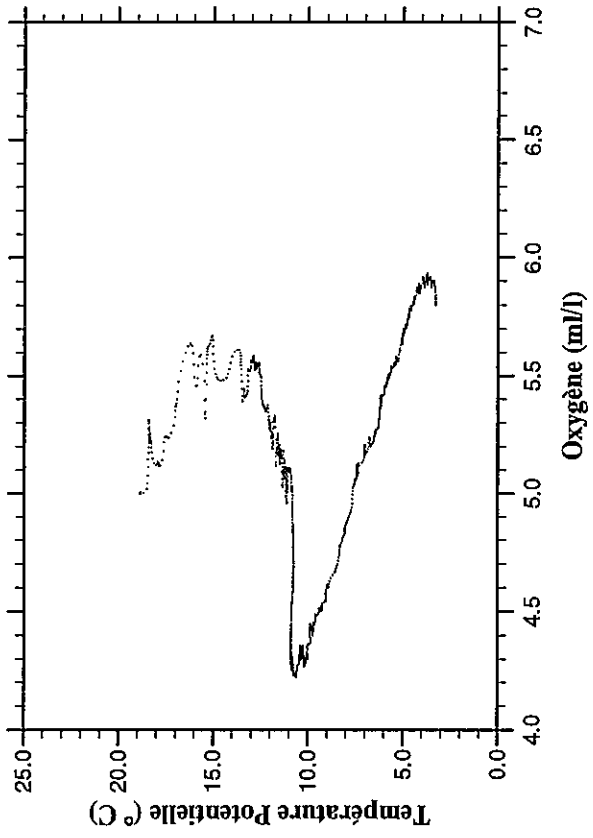
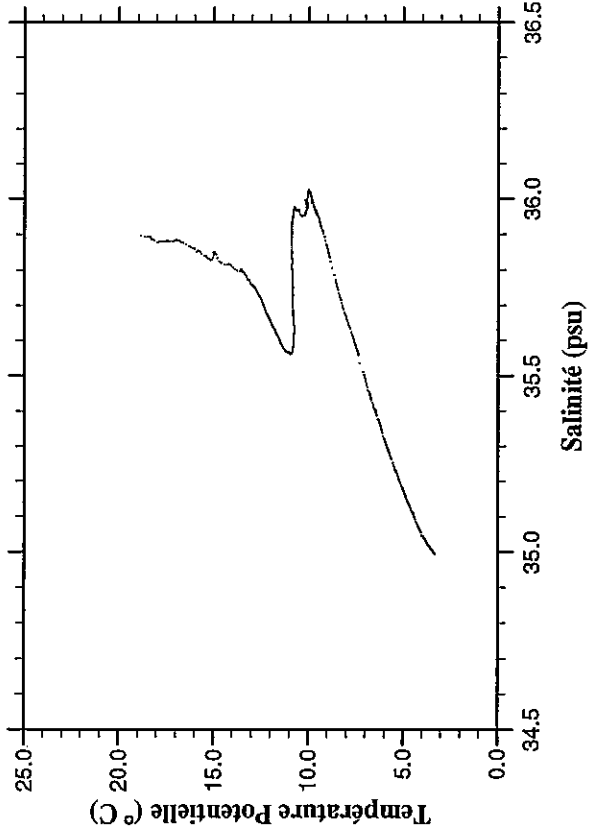
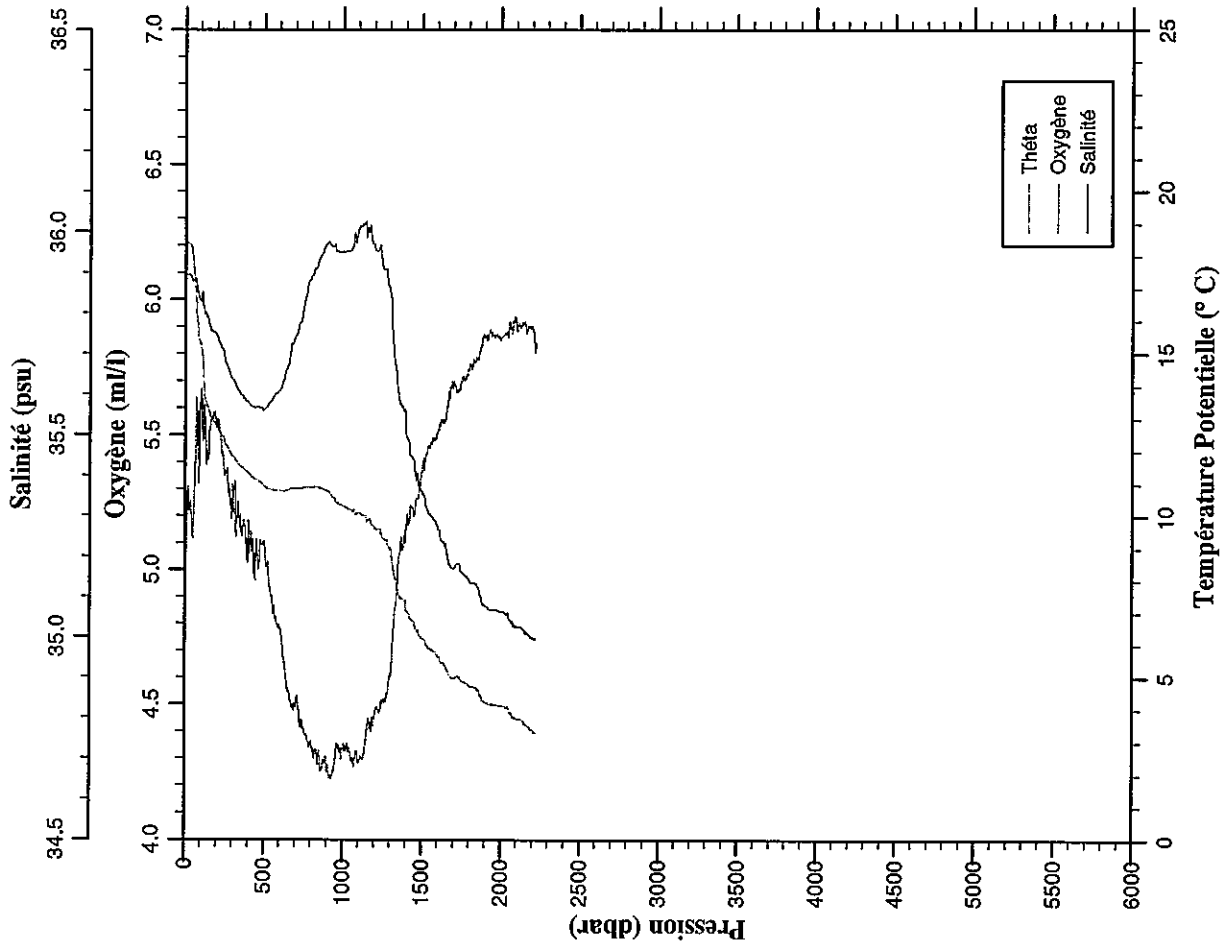
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.272	35.892	5.36	18.272
10.0	18.268	35.892	5.35	18.266
20.0	18.209	35.892	4.48	18.205
30.0	18.201	35.892	4.90	18.196
40.0	17.930	35.886	5.14	17.923
50.0	16.233	35.850	5.68	16.225
100.0	12.841	35.740	5.39	12.827
150.0	12.362	35.695	5.38	12.342
200.0	12.273	35.685	5.38	12.246
250.0	11.933	35.644	5.29	11.900
300.0	11.676	35.618	5.13	11.638
350.0	11.203	35.586	4.99	11.159
400.0	11.080	35.587	4.91	11.030
450.0	10.986	35.598	4.87	10.929
500.0	10.925	35.625	4.78	10.862
550.0	10.913	35.673	4.54	10.844
600.0	11.048	35.760	4.46	10.972
650.0	11.049	35.798	4.41	10.966
700.0	10.992	35.851	4.37	10.903
750.0	10.906	35.860	4.29	10.811
759.0	10.915	35.864	4.22	10.819



Station 85

Station	: 86	Campagne	: ARCANE 98
Date	: 15-07-98	Navire	: LA THALASSA
Profondeur	: 2205	Organisme	: IFREMER
Position	: N 42 29.92		
	W 12 5.03		

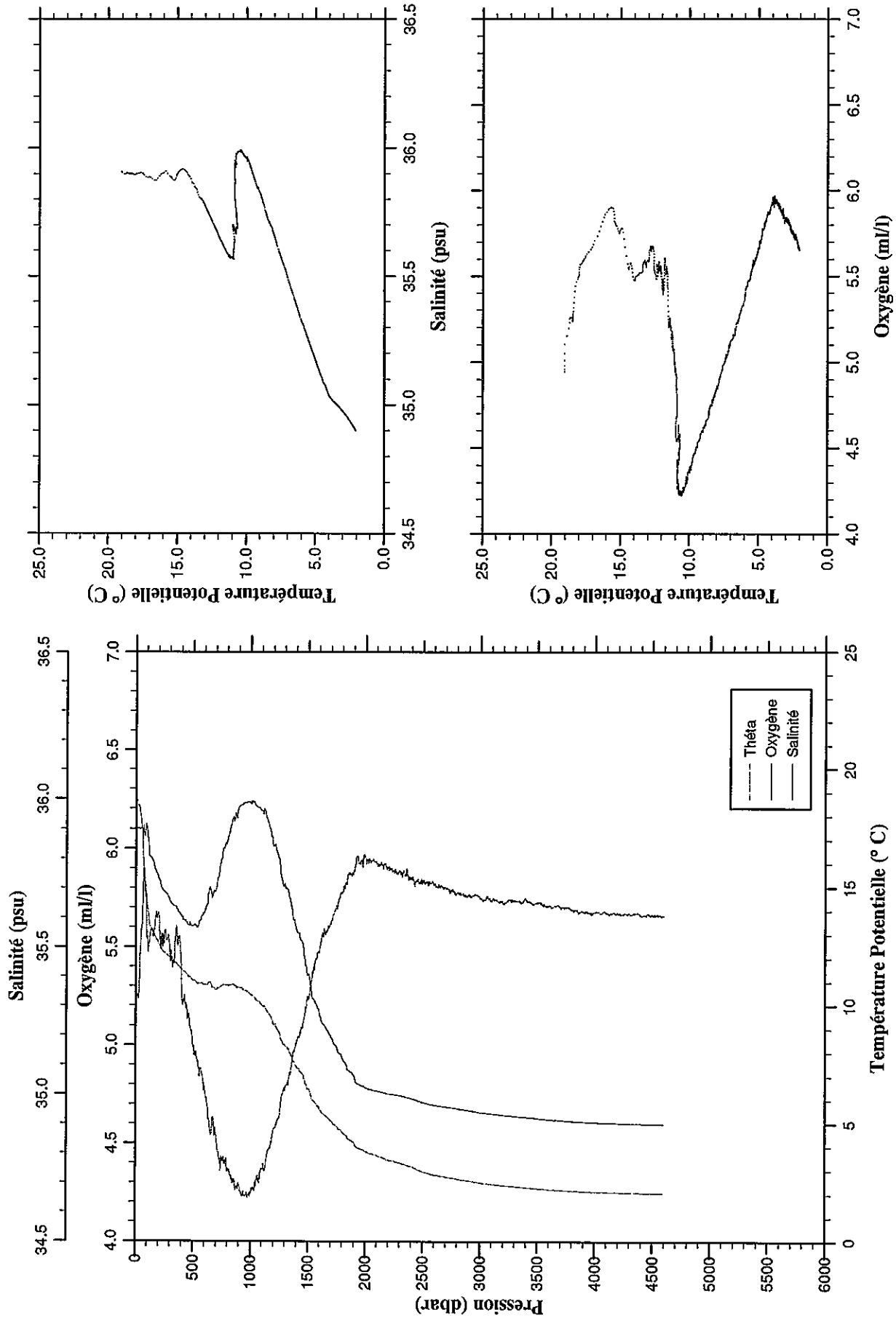
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.865	35.896	5.01	18.865
10.0	18.437	35.894	5.15	18.435
20.0	18.399	35.894	5.29	18.395
30.0	18.387	35.894	5.23	18.381
40.0	18.293	35.887	5.21	18.286
50.0	17.868	35.879	5.12	17.859
100.0	15.225	35.828	5.64	15.210
150.0	13.253	35.773	5.43	13.232
200.0	12.809	35.743	5.54	12.782
250.0	12.346	35.690	5.36	12.313
300.0	11.894	35.636	5.32	11.854
350.0	11.570	35.601	5.20	11.525
400.0	11.386	35.580	5.13	11.334
450.0	11.188	35.568	5.11	11.131
500.0	10.995	35.564	5.10	10.932
550.0	10.889	35.587	4.91	10.820
600.0	10.868	35.610	4.79	10.792
650.0	10.908	35.672	4.56	10.826
700.0	10.946	35.744	4.49	10.857
750.0	10.985	35.817	4.42	10.889
800.0	11.004	35.891	4.36	10.902
850.0	10.998	35.936	4.33	10.889
900.0	10.908	35.973	4.25	10.793
950.0	10.607	35.958	4.28	10.487
1000.0	10.435	35.953	4.34	10.310
1050.0	10.337	35.955	4.32	10.206
1100.0	10.245	36.010	4.28	10.108
1150.0	9.980	35.989	4.37	9.839
1200.0	9.790	35.959	4.45	9.644
1250.0	9.499	35.920	4.50	9.349
1300.0	9.117	35.848	4.61	8.964
1350.0	7.775	35.604	5.02	7.629
1400.0	7.211	35.501	5.16	7.066
1450.0	6.871	35.439	5.20	6.724
1500.0	6.368	35.360	5.36	6.221
1550.0	6.048	35.306	5.45	5.899
1600.0	5.835	35.273	5.51	5.683
1650.0	5.521	35.231	5.58	5.367
1700.0	5.143	35.171	5.70	4.990
1750.0	5.062	35.162	5.70	4.905
1800.0	4.901	35.140	5.76	4.741
1850.0	4.793	35.127	5.78	4.628
1900.0	4.404	35.077	5.86	4.241
1950.0	4.347	35.069	5.87	4.179
2000.0	4.297	35.064	5.86	4.125
2050.0	4.165	35.044	5.90	3.990
2100.0	3.917	35.026	5.90	3.741
2150.0	3.755	35.010	5.92	3.576
2200.0	3.570	35.001	5.90	3.389
2222.0	3.508	34.998	5.84	3.326



Station 86

Station	: 87	Campagne	: ARCANE 98
Date	: 15-07-98	Navire	: LA THALASSA
Profondeur	: 4511	Organisme	: IFREMER
Position	: N 42 22.53		
	W 12 17.09		

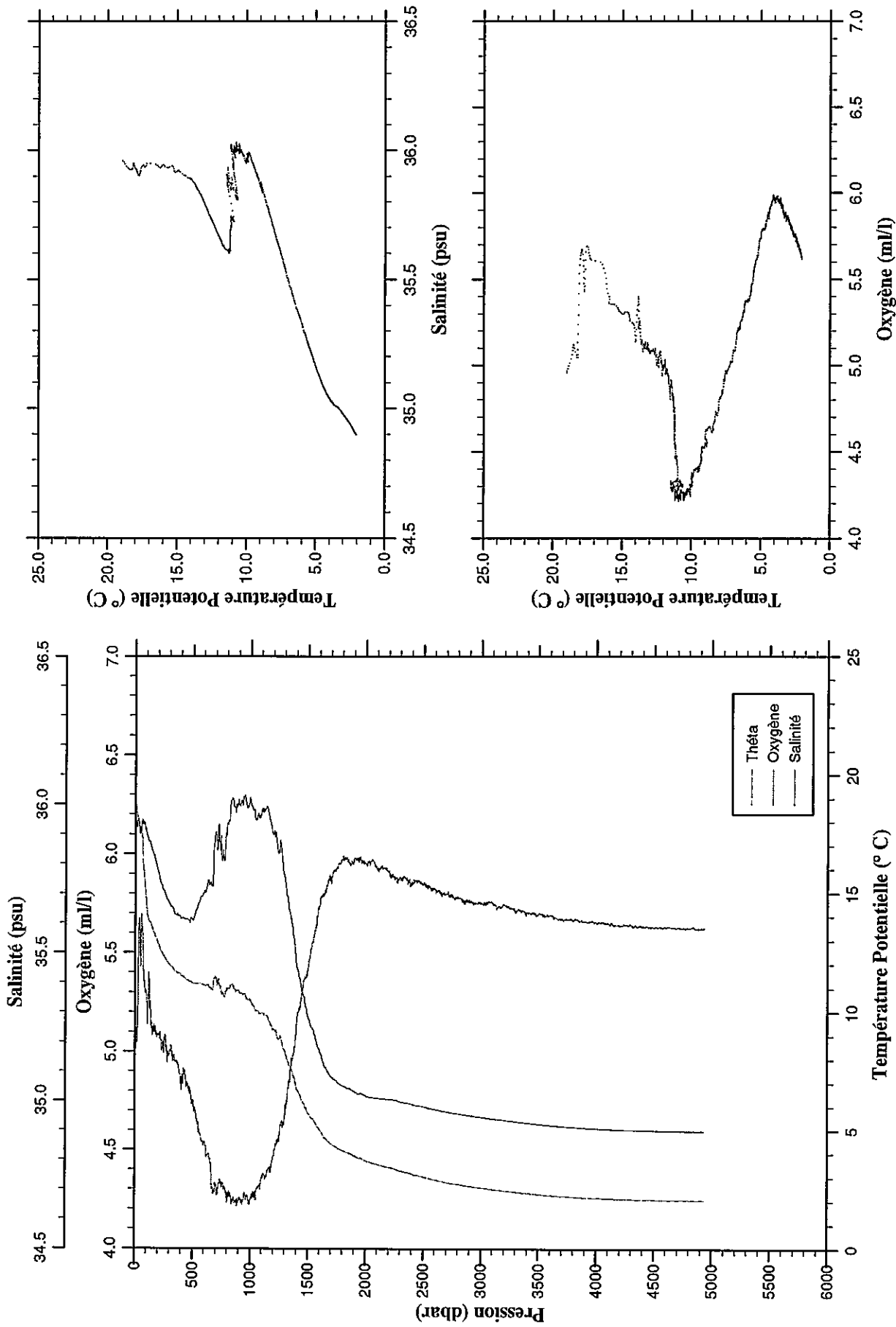
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.054	35.909	4.95	19.054	3050.0	2.738	34.937	5.75	2.488
10.0	18.684	35.904	5.25	18.682	3100.0	2.711	34.935	5.74	2.457
20.0	18.492	35.901	5.24	18.488	3150.0	2.686	34.933	5.73	2.427
30.0	18.452	35.902	5.28	18.446	3200.0	2.670	34.931	5.72	2.406
40.0	18.051	35.899	5.50	18.044	3250.0	2.656	34.929	5.74	2.386
50.0	17.707	35.905	5.59	17.699	3300.0	2.631	34.928	5.73	2.357
100.0	14.264	35.895	5.58	14.250	3350.0	2.612	34.925	5.73	2.333
150.0	13.169	35.790	5.56	13.148	3400.0	2.598	34.923	5.73	2.314
200.0	12.661	35.731	5.66	12.633	3450.0	2.583	34.922	5.72	2.294
250.0	12.297	35.687	5.57	12.263	3500.0	2.570	34.920	5.72	2.275
300.0	12.030	35.653	5.43	11.990	3550.0	2.555	34.918	5.72	2.256
350.0	11.866	35.636	5.59	11.820	3600.0	2.541	34.917	5.71	2.236
400.0	11.597	35.604	5.25	11.545	3650.0	2.530	34.915	5.71	2.220
450.0	11.349	35.576	5.16	11.291	3700.0	2.521	34.913	5.69	2.206
500.0	11.143	35.572	4.99	11.079	3750.0	2.511	34.912	5.70	2.190
550.0	11.032	35.585	4.87	10.963	3800.0	2.501	34.910	5.69	2.175
600.0	10.966	35.622	4.79	10.890	3850.0	2.492	34.909	5.68	2.161
650.0	11.031	35.696	4.56	10.948	3900.0	2.487	34.908	5.68	2.151
700.0	10.765	35.697	4.54	10.678	3950.0	2.484	34.907	5.67	2.142
750.0	10.938	35.796	4.41	10.843	4000.0	2.483	34.907	5.68	2.135
800.0	10.949	35.863	4.38	10.847	4050.0	2.477	34.905	5.67	2.124
850.0	11.015	35.938	4.30	10.906	4100.0	2.476	34.904	5.67	2.117
900.0	10.897	35.973	4.28	10.782	4150.0	2.474	34.904	5.67	2.109
950.0	10.762	35.987	4.23	10.641	4200.0	2.474	34.903	5.67	2.104
1000.0	10.603	35.987	4.25	10.477	4250.0	2.471	34.903	5.67	2.095
1050.0	10.366	35.975	4.31	10.235	4300.0	2.472	34.902	5.67	2.089
1100.0	10.156	35.960	4.37	10.020	4350.0	2.473	34.901	5.67	2.084
1150.0	9.851	35.923	4.46	9.711	4400.0	2.473	34.901	5.66	2.078
1200.0	9.337	35.842	4.57	9.195	4450.0	2.474	34.900	5.67	2.073
1250.0	8.998	35.795	4.63	8.852	4500.0	2.476	34.900	5.66	2.070
1300.0	8.449	35.705	4.78	8.302	4550.0	2.477	34.899	5.66	2.064
1350.0	8.070	35.646	4.86	7.922	4595.0	2.480	34.900	5.66	2.062
1400.0	7.563	35.558	5.01	7.413					
1450.0	7.283	35.516	5.11	7.131					
1500.0	6.655	35.408	5.23	6.505					
1550.0	6.126	35.320	5.39	5.976					
1600.0	5.757	35.266	5.49	5.606					
1650.0	5.521	35.230	5.56	5.368					
1700.0	5.275	35.193	5.63	5.120					
1750.0	5.052	35.158	5.70	4.894					
1800.0	4.788	35.119	5.78	4.629					
1850.0	4.519	35.081	5.87	4.358					
1900.0	4.352	35.063	5.89	4.189					
1950.0	4.132	35.034	5.93	3.968					
2000.0	4.000	35.024	5.95	3.833					
2050.0	3.905	35.017	5.93	3.734					
2100.0	3.830	35.013	5.92	3.655					
2150.0	3.737	35.008	5.90	3.559					
2200.0	3.647	35.003	5.89	3.465					
2250.0	3.602	35.000	5.88	3.416					
2300.0	3.527	34.996	5.88	3.338					
2350.0	3.458	34.992	5.87	3.264					
2400.0	3.377	34.987	5.85	3.180					
2450.0	3.276	34.980	5.84	3.076					
2500.0	3.177	34.974	5.83	2.974					
2550.0	3.106	34.969	5.82	2.900					
2600.0	3.059	34.965	5.82	2.848					
2650.0	3.010	34.961	5.80	2.795					
2700.0	2.978	34.959	5.80	2.759					
2750.0	2.940	34.957	5.78	2.716					
2800.0	2.900	34.953	5.78	2.672					
2850.0	2.866	34.949	5.77	2.633					
2900.0	2.836	34.947	5.76	2.599					
2950.0	2.790	34.943	5.77	2.549					
3000.0	2.757	34.940	5.74	2.511					



Station 87

Station	: 88	Campagne	: ARCANE 98
Date	: 15-07-98	Navire	: LA THALASSA
Profondeur	: 4848	Organisme	: IFREMER
Position	: N 42 14.98		
	W 12 28.01		

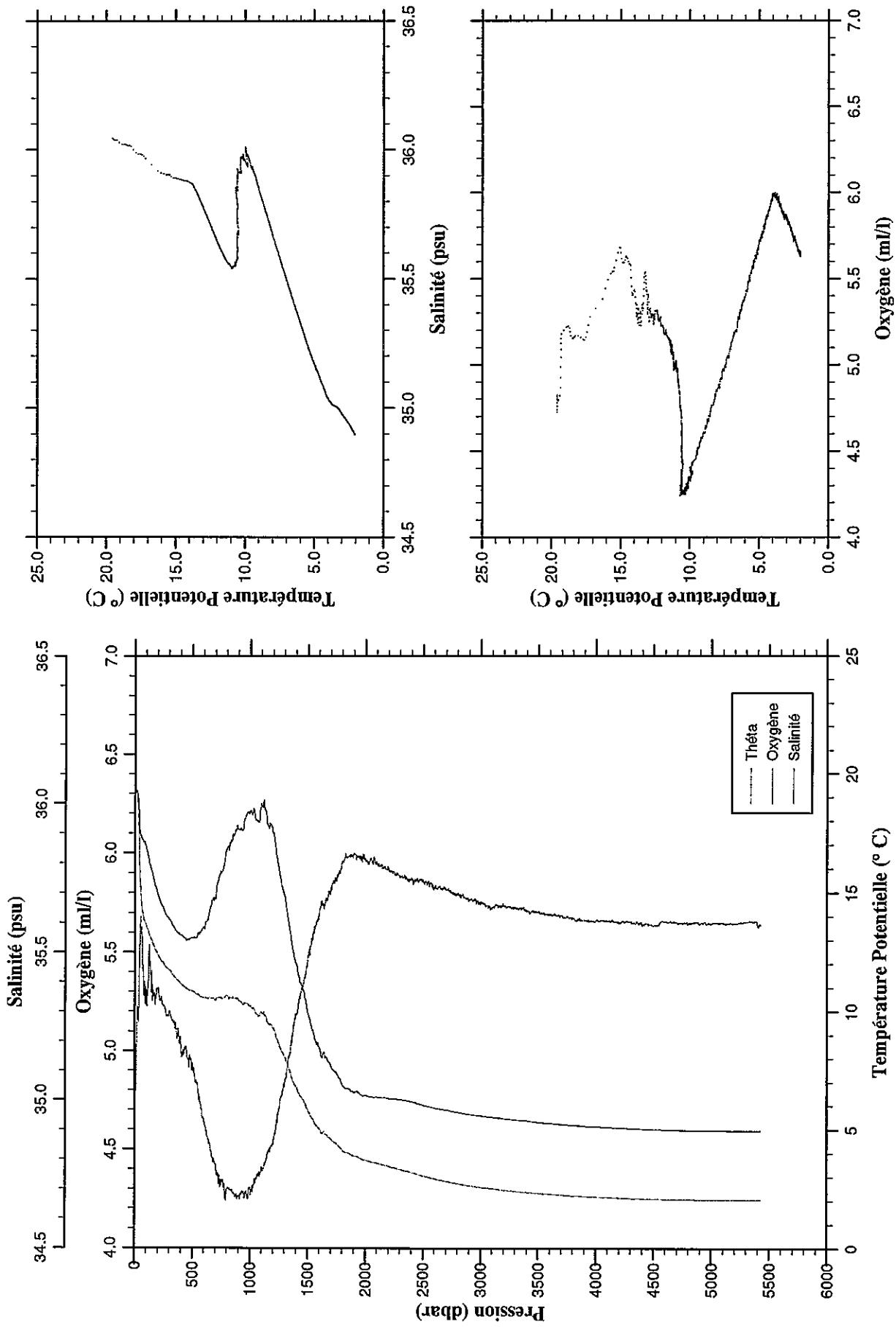
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dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.983	35.962	4.96	18.983	3050.0	2.801	34.944	5.75	2.549
10.0	18.556	35.930	5.09	18.554	3100.0	2.768	34.941	5.74	2.512
20.0	18.222	35.946	5.06	18.219	3150.0	2.746	34.939	5.74	2.485
30.0	18.077	35.933	5.58	18.072	3200.0	2.723	34.937	5.74	2.457
40.0	17.849	35.904	5.65	17.842	3250.0	2.701	34.934	5.73	2.430
50.0	17.720	35.915	5.46	17.712	3300.0	2.676	34.932	5.71	2.401
100.0	14.484	35.903	5.27	14.469	3350.0	2.655	34.929	5.71	2.375
150.0	13.513	35.843	5.09	13.492	3400.0	2.639	34.927	5.71	2.354
200.0	12.884	35.769	5.09	12.857	3450.0	2.617	34.925	5.70	2.327
250.0	12.397	35.709	5.00	12.363	3500.0	2.600	34.923	5.70	2.305
300.0	12.031	35.664	5.00	11.992	3550.0	2.584	34.921	5.69	2.284
350.0	11.755	35.629	4.95	11.709	3600.0	2.566	34.919	5.69	2.261
400.0	11.592	35.616	4.86	11.541	3650.0	2.556	34.916	5.68	2.246
450.0	11.414	35.613	4.84	11.356	3700.0	2.544	34.915	5.67	2.229
500.0	11.268	35.608	4.75	11.204	3750.0	2.532	34.914	5.67	2.211
550.0	11.263	35.667	4.62	11.192	3800.0	2.527	34.913	5.67	2.200
600.0	11.226	35.705	4.54	11.149	3850.0	2.518	34.911	5.66	2.186
650.0	11.101	35.731	4.46	11.018	3900.0	2.508	34.910	5.66	2.171
700.0	11.541	35.907	4.31	11.449	3950.0	2.499	34.908	5.66	2.156
750.0	10.889	35.818	4.32	10.794	4000.0	2.497	34.907	5.65	2.149
800.0	11.117	35.939	4.23	11.014	4050.0	2.491	34.907	5.65	2.138
850.0	11.209	36.013	4.23	11.099	4100.0	2.488	34.905	5.65	2.128
900.0	10.972	36.003	4.24	10.857	4150.0	2.484	34.905	5.64	2.119
950.0	10.897	36.032	4.28	10.775	4200.0	2.483	34.904	5.64	2.112
1000.0	10.608	36.011	4.23	10.482	4250.0	2.482	34.903	5.64	2.105
1050.0	10.185	35.949	4.25	10.055	4300.0	2.484	34.903	5.64	2.101
1100.0	10.125	35.986	4.36	9.989	4350.0	2.484	34.902	5.63	2.095
1150.0	9.915	35.982	4.40	9.775	4400.0	2.484	34.902	5.64	2.089
1200.0	9.420	35.907	4.47	9.277	4450.0	2.485	34.901	5.63	2.084
1250.0	9.041	35.848	4.57	8.895	4500.0	2.487	34.901	5.63	2.080
1300.0	8.450	35.743	4.68	8.304	4550.0	2.489	34.900	5.63	2.076
1350.0	7.765	35.618	4.91	7.620	4600.0	2.493	34.900	5.63	2.073
1400.0	6.896	35.457	5.15	6.754	4650.0	2.495	34.900	5.63	2.070
1450.0	6.384	35.367	5.32	6.242	4700.0	2.498	34.899	5.63	2.066
1500.0	5.872	35.282	5.43	5.731	4750.0	2.501	34.899	5.62	2.063
1550.0	5.582	35.234	5.58	5.439	4800.0	2.505	34.899	5.62	2.060
1600.0	5.159	35.166	5.74	5.015	4850.0	2.508	34.899	5.62	2.057
1650.0	4.809	35.114	5.81	4.665	4900.0	2.514	34.899	5.62	2.057
1700.0	4.572	35.082	5.85	4.426	4929.0	2.518	34.899	5.62	2.057
1750.0	4.422	35.065	5.93	4.273					
1800.0	4.282	35.051	5.99	4.130					
1850.0	4.188	35.042	5.95	4.032					
1900.0	4.083	35.033	5.98	3.924					
1950.0	3.979	35.024	5.98	3.817					
2000.0	3.879	35.018	5.95	3.714					
2050.0	3.795	35.012	5.97	3.626					
2100.0	3.727	35.010	5.92	3.554					
2150.0	3.673	35.009	5.93	3.496					
2200.0	3.614	35.007	5.91	3.432					
2250.0	3.550	35.004	5.88	3.365					
2300.0	3.468	34.998	5.87	3.279					
2350.0	3.416	34.994	5.87	3.223					
2400.0	3.358	34.990	5.84	3.161					
2450.0	3.295	34.985	5.86	3.094					
2500.0	3.242	34.982	5.85	3.037					
2550.0	3.178	34.977	5.84	2.970					
2600.0	3.125	34.973	5.82	2.913					
2650.0	3.068	34.968	5.81	2.852					
2700.0	3.023	34.965	5.80	2.802					
2750.0	2.980	34.961	5.78	2.756					
2800.0	2.952	34.958	5.78	2.723					
2850.0	2.913	34.955	5.77	2.680					
2900.0	2.882	34.952	5.76	2.644					
2950.0	2.851	34.949	5.75	2.608					
3000.0	2.823	34.947	5.75	2.576					



Station 88

Station	: 89	Campagne	: ARCANE 98
Date	: 16-07-98	Navire	: LA THALASSA
Profondeur	: 5330	Organisme	: IFREMER
Position	: N 42 17.91		
	W 13 5.02		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.567	36.044	4.73	19.567	3050.0	2.814	34.945	5.74	2.562
10.0	19.520	36.041	4.79	19.518	3100.0	2.793	34.943	5.73	2.537
20.0	19.266	36.037	5.18	19.262	3150.0	2.764	34.940	5.73	2.503
30.0	18.271	36.013	5.17	18.266	3200.0	2.738	34.938	5.74	2.472
40.0	16.330	35.918	5.38	16.324	3250.0	2.718	34.937	5.73	2.447
50.0	15.104	35.891	5.68	15.097	3300.0	2.699	34.934	5.72	2.423
100.0	13.641	35.848	5.25	13.626	3350.0	2.678	34.931	5.72	2.398
150.0	12.990	35.769	5.32	12.969	3400.0	2.663	34.931	5.71	2.377
200.0	12.424	35.694	5.31	12.398	3450.0	2.641	34.928	5.71	2.351
250.0	12.048	35.645	5.23	12.015	3500.0	2.633	34.926	5.71	2.337
300.0	11.777	35.611	5.20	11.738	3550.0	2.614	34.924	5.69	2.314
350.0	11.469	35.577	5.12	11.424	3600.0	2.604	34.922	5.69	2.298
400.0	11.219	35.556	5.01	11.168	3650.0	2.590	34.921	5.69	2.279
450.0	11.012	35.541	4.99	10.956	3700.0	2.581	34.919	5.69	2.265
500.0	10.926	35.549	4.94	10.863	3750.0	2.569	34.918	5.68	2.247
550.0	10.796	35.564	4.79	10.727	3800.0	2.558	34.917	5.67	2.231
600.0	10.631	35.579	4.64	10.557	3850.0	2.553	34.915	5.67	2.220
650.0	10.673	35.643	4.53	10.593	3900.0	2.543	34.914	5.66	2.205
700.0	10.550	35.679	4.42	10.464	3950.0	2.535	34.912	5.66	2.191
750.0	10.665	35.768	4.32	10.571	4000.0	2.528	34.911	5.66	2.179
800.0	10.792	35.852	4.30	10.691	4050.0	2.526	34.910	5.66	2.171
850.0	10.721	35.898	4.28	10.614	4100.0	2.520	34.909	5.66	2.159
900.0	10.585	35.913	4.26	10.472	4150.0	2.515	34.908	5.66	2.148
950.0	10.482	35.949	4.26	10.363	4200.0	2.510	34.907	5.65	2.138
1000.0	10.360	35.975	4.30	10.235	4250.0	2.505	34.906	5.65	2.128
1050.0	10.049	35.944	4.36	9.920	4300.0	2.500	34.906	5.66	2.117
1100.0	10.096	35.995	4.41	9.961	4350.0	2.500	34.904	5.65	2.110
1150.0	9.685	35.930	4.47	9.546	4400.0	2.498	34.903	5.64	2.103
1200.0	9.440	35.902	4.53	9.296	4450.0	2.497	34.902	5.64	2.095
1250.0	8.760	35.778	4.71	8.617	4500.0	2.496	34.902	5.64	2.088
1300.0	8.258	35.690	4.83	8.114	4550.0	2.497	34.901	5.65	2.084
1350.0	7.543	35.563	4.99	7.400	4600.0	2.497	34.900	5.66	2.078
1400.0	6.942	35.462	5.19	6.799	4650.0	2.498	34.900	5.65	2.072
1450.0	6.467	35.381	5.32	6.324	4700.0	2.501	34.900	5.65	2.069
1500.0	5.944	35.296	5.48	5.801	4750.0	2.504	34.899	5.65	2.066
1550.0	5.520	35.225	5.60	5.377	4800.0	2.507	34.899	5.64	2.063
1600.0	5.176	35.176	5.71	5.032	4850.0	2.511	34.899	5.65	2.060
1650.0	4.951	35.144	5.74	4.805	4900.0	2.515	34.899	5.65	2.058
1700.0	4.747	35.116	5.82	4.598	4950.0	2.519	34.898	5.64	2.056
1750.0	4.552	35.089	5.86	4.401	5000.0	2.523	34.898	5.65	2.053
1800.0	4.281	35.050	5.96	4.129	5050.0	2.529	34.898	5.65	2.052
1850.0	4.174	35.039	5.98	4.018	5100.0	2.534	34.898	5.65	2.050
1900.0	4.051	35.026	6.00	3.892	5150.0	2.538	34.897	5.64	2.048
1950.0	3.980	35.022	5.97	3.818	5200.0	2.544	34.897	5.65	2.047
2000.0	3.887	35.016	5.96	3.721	5250.0	2.551	34.898	5.65	2.047
2050.0	3.823	35.012	5.97	3.653	5300.0	2.557	34.897	5.65	2.047
2100.0	3.766	35.011	5.95	3.592	5350.0	2.564	34.897	5.66	2.048
2150.0	3.704	35.008	5.93	3.526	5400.0	2.571	34.898	5.63	2.047
2200.0	3.645	35.006	5.93	3.463	5421.0	2.574	34.897	5.64	2.047
2250.0	3.587	35.004	5.90	3.401					
2300.0	3.521	35.002	5.89	3.331					
2350.0	3.466	34.999	5.88	3.272					
2400.0	3.406	34.995	5.87	3.209					
2450.0	3.329	34.988	5.86	3.128					
2500.0	3.271	34.983	5.86	3.066					
2550.0	3.211	34.979	5.83	3.002					
2600.0	3.152	34.974	5.82	2.939					
2650.0	3.102	34.970	5.82	2.886					
2700.0	3.058	34.967	5.81	2.836					
2750.0	3.005	34.963	5.80	2.780					
2800.0	2.971	34.960	5.80	2.741					
2850.0	2.925	34.956	5.78	2.691					
2900.0	2.894	34.953	5.77	2.656					
2950.0	2.860	34.950	5.76	2.617					
3000.0	2.836	34.948	5.75	2.589					



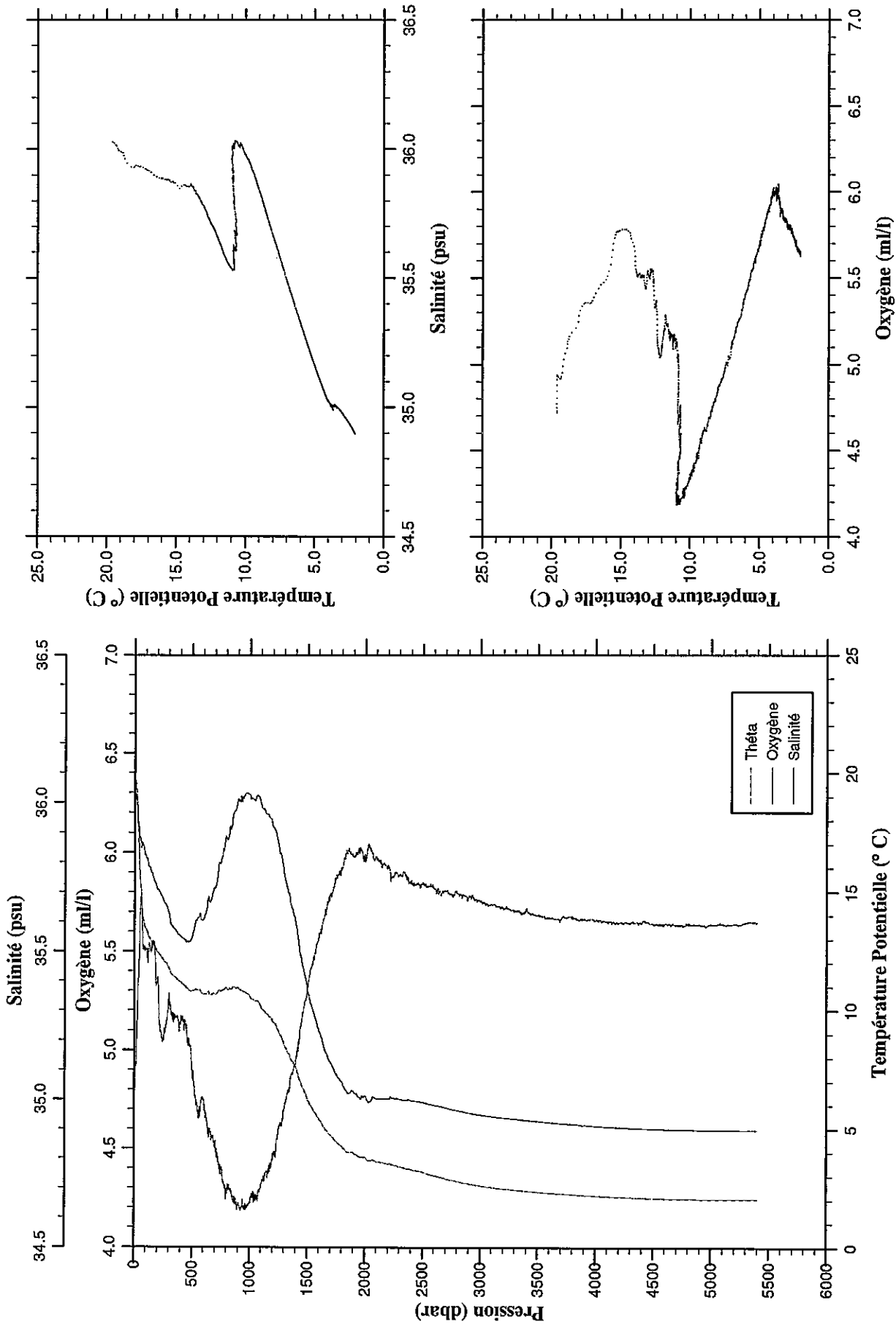
Station 89

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| Station   : 90      Campagne  : ARCANE 98
| Date     : 16-07-98 Navire   : LA THALASSA
| Profondeur : 5302   Organisme : IFREMER
| Position  : N 42 21.03
|           : W 13 41.94
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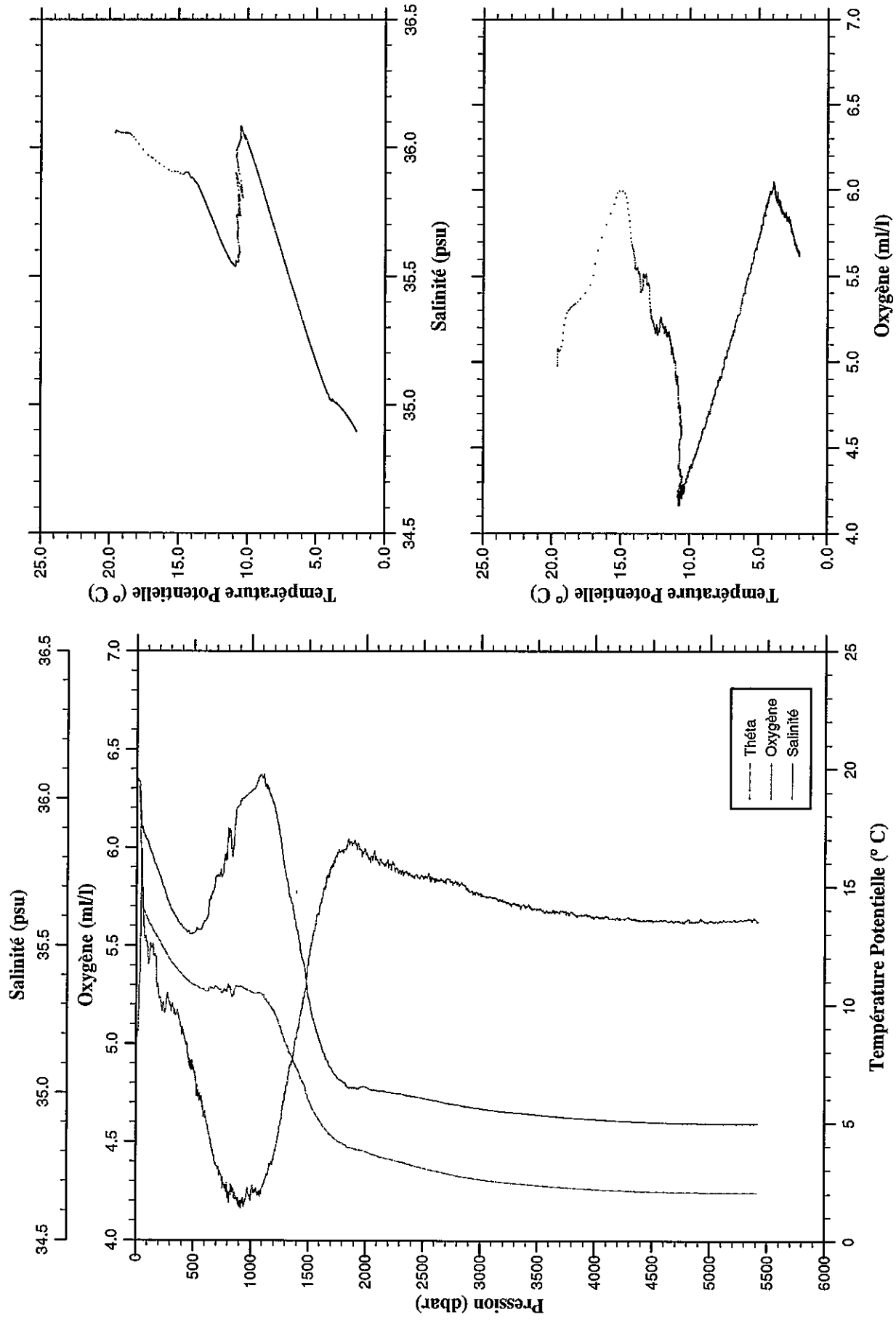
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.617	36.028	4.72	19.616	3050.0	2.838	34.947	5.74	2.586
10.0	19.610	36.029	4.93	19.608	3100.0	2.810	34.944	5.74	2.553
20.0	19.013	35.991	5.07	19.010	3150.0	2.784	34.942	5.73	2.522
30.0	17.939	35.936	5.31	17.934	3200.0	2.762	34.939	5.71	2.496
40.0	16.629	35.901	5.44	16.622	3250.0	2.744	34.937	5.72	2.472
50.0	15.471	35.879	5.73	15.463	3300.0	2.724	34.935	5.71	2.448
100.0	13.446	35.819	5.51	13.432	3350.0	2.704	34.933	5.69	2.423
150.0	12.928	35.766	5.55	12.907	3400.0	2.685	34.931	5.71	2.398
200.0	12.493	35.709	5.37	12.466	3450.0	2.670	34.929	5.70	2.379
250.0	12.174	35.674	5.05	12.141	3500.0	2.654	34.928	5.69	2.358
300.0	11.831	35.628	5.29	11.792	3550.0	2.636	34.925	5.68	2.335
350.0	11.460	35.576	5.17	11.415	3600.0	2.622	34.924	5.67	2.315
400.0	11.252	35.551	5.14	11.201	3650.0	2.610	34.922	5.67	2.299
450.0	11.008	35.531	5.13	10.952	3700.0	2.602	34.921	5.67	2.285
500.0	10.888	35.550	4.89	10.826	3750.0	2.590	34.919	5.67	2.267
550.0	10.938	35.614	4.68	10.869	3800.0	2.578	34.917	5.67	2.250
600.0	10.758	35.610	4.75	10.683	3850.0	2.568	34.915	5.66	2.235
650.0	10.757	35.667	4.60	10.675	3900.0	2.558	34.915	5.67	2.219
700.0	10.778	35.715	4.53	10.690	3950.0	2.547	34.913	5.66	2.203
750.0	10.912	35.802	4.37	10.817	4000.0	2.536	34.911	5.66	2.187
800.0	11.042	35.882	4.30	10.939	4050.0	2.532	34.910	5.65	2.177
850.0	11.081	35.950	4.25	10.972	4100.0	2.526	34.909	5.65	2.165
900.0	11.066	36.014	4.22	10.950	4150.0	2.519	34.908	5.65	2.153
950.0	10.904	36.024	4.20	10.782	4200.0	2.516	34.907	5.65	2.144
1000.0	10.735	36.028	4.23	10.607	4250.0	2.512	34.906	5.65	2.134
1050.0	10.544	36.015	4.24	10.412	4300.0	2.508	34.905	5.65	2.124
1100.0	10.265	35.992	4.31	10.128	4350.0	2.504	34.904	5.65	2.115
1150.0	9.996	35.963	4.39	9.855	4400.0	2.500	34.904	5.65	2.105
1200.0	9.672	35.920	4.46	9.527	4450.0	2.498	34.903	5.65	2.097
1250.0	9.250	35.855	4.59	9.102	4500.0	2.498	34.902	5.63	2.090
1300.0	8.669	35.753	4.70	8.520	4550.0	2.498	34.901	5.64	2.085
1350.0	8.184	35.669	4.83	8.034	4600.0	2.498	34.901	5.64	2.079
1400.0	7.749	35.595	4.94	7.597	4650.0	2.498	34.901	5.64	2.073
1450.0	7.015	35.467	5.15	6.866	4700.0	2.502	34.900	5.63	2.070
1500.0	6.448	35.372	5.32	6.300	4750.0	2.504	34.899	5.63	2.066
1550.0	5.970	35.295	5.46	5.821	4800.0	2.508	34.899	5.64	2.064
1600.0	5.575	35.232	5.58	5.426	4850.0	2.512	34.899	5.64	2.061
1650.0	5.172	35.168	5.69	5.024	4900.0	2.516	34.898	5.63	2.058
1700.0	4.890	35.125	5.79	4.740	4950.0	2.519	34.899	5.63	2.055
1750.0	4.622	35.086	5.88	4.471	5000.0	2.523	34.898	5.64	2.053
1800.0	4.428	35.059	5.92	4.274	5050.0	2.528	34.898	5.64	2.051
1850.0	4.175	35.023	6.00	4.019	5100.0	2.532	34.898	5.64	2.049
1900.0	4.150	35.026	5.98	3.990	5150.0	2.538	34.897	5.63	2.048
1950.0	4.007	35.009	6.00	3.844	5200.0	2.544	34.897	5.64	2.047
2000.0	3.979	35.013	5.95	3.811	5250.0	2.550	34.897	5.64	2.047
2050.0	3.824	34.996	6.01	3.654	5300.0	2.557	34.897	5.65	2.047
2100.0	3.806	35.005	5.97	3.631	5350.0	2.564	34.897	5.65	2.047
2150.0	3.770	35.005	5.94	3.591	5395.0	2.570	34.898	5.65	2.047
2200.0	3.721	35.005	5.92	3.538					
2250.0	3.677	35.007	5.88	3.490					
2300.0	3.610	35.003	5.89	3.419					
2350.0	3.545	35.000	5.89	3.350					
2400.0	3.500	34.998	5.86	3.301					
2450.0	3.449	34.996	5.85	3.246					
2500.0	3.393	34.992	5.85	3.186					
2550.0	3.313	34.986	5.83	3.102					
2600.0	3.260	34.982	5.82	3.045					
2650.0	3.203	34.978	5.80	2.984					
2700.0	3.134	34.973	5.80	2.911					
2750.0	3.086	34.968	5.78	2.859					
2800.0	3.034	34.964	5.80	2.803					
2850.0	2.986	34.961	5.78	2.751					
2900.0	2.943	34.957	5.79	2.704					
2950.0	2.899	34.952	5.76	2.656					
3000.0	2.866	34.949	5.76	2.618					



Station 90

Station	: 91	Campagne	: ARCANE 98
Date	: 16-07-98	Navire	: LA THALASSA
Profondeur	: 5326	Organisme	: IFREMER
Position	: N 42 23.98		
	W 14 18.94		

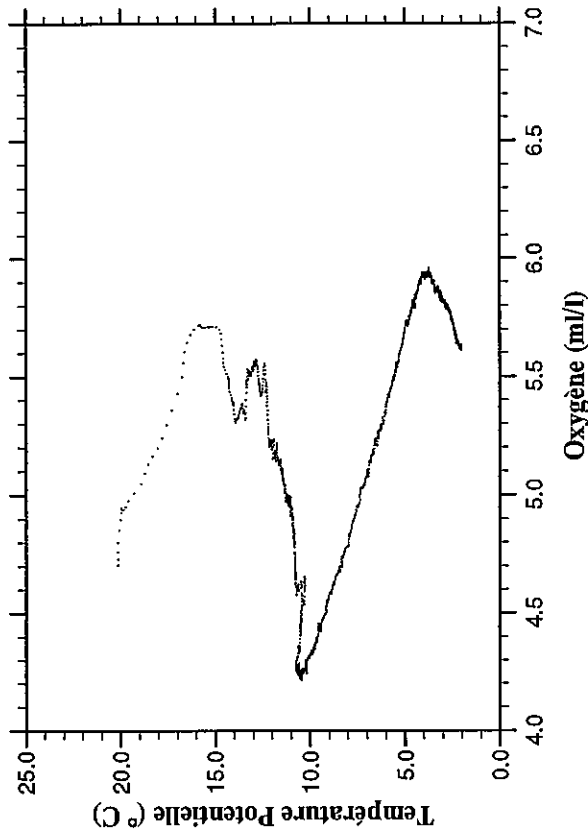
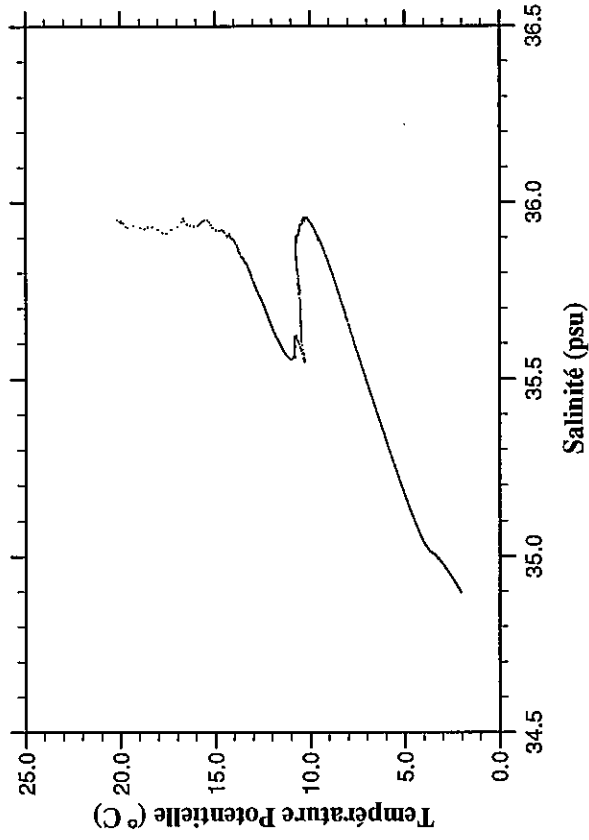
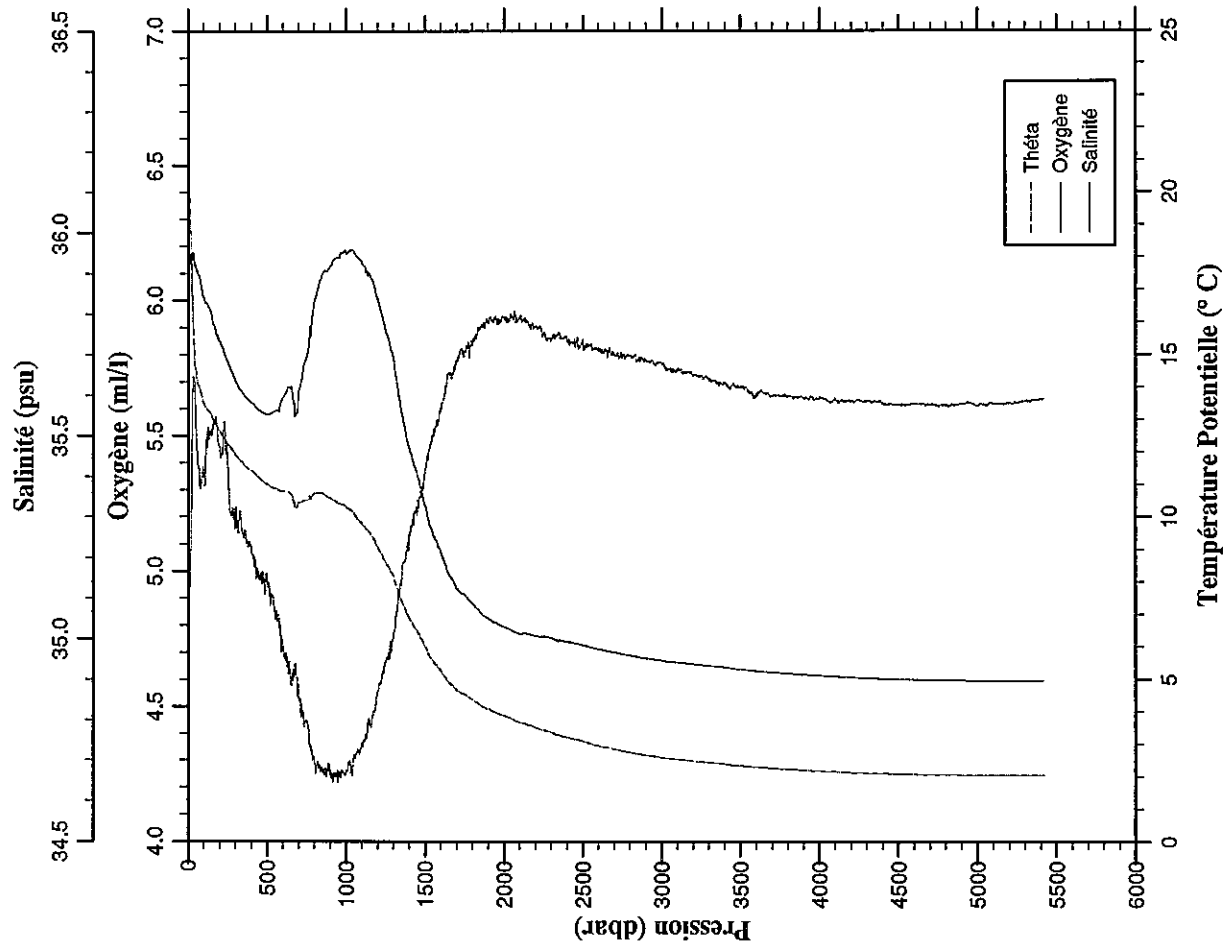
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.612	36.058	4.98	19.612	3050.0	2.820	34.945	5.75	2.568
10.0	19.588	36.062	5.07	19.586	3100.0	2.798	34.943	5.75	2.541
20.0	19.191	36.058	5.17	19.187	3150.0	2.768	34.940	5.73	2.506
30.0	18.422	36.048	5.33	18.417	3200.0	2.751	34.939	5.73	2.484
40.0	16.086	35.925	5.80	16.080	3250.0	2.730	34.937	5.72	2.459
50.0	14.513	35.903	5.89	14.505	3300.0	2.717	34.935	5.71	2.441
100.0	13.608	35.849	5.47	13.594	3350.0	2.704	34.934	5.70	2.423
150.0	13.139	35.792	5.45	13.118	3400.0	2.688	34.932	5.70	2.402
200.0	12.754	35.740	5.24	12.727	3450.0	2.670	34.929	5.69	2.378
250.0	12.316	35.682	5.17	12.283	3500.0	2.656	34.928	5.69	2.360
300.0	11.890	35.625	5.19	11.851	3550.0	2.638	34.926	5.68	2.337
350.0	11.609	35.593	5.16	11.564	3600.0	2.621	34.924	5.67	2.314
400.0	11.327	35.563	5.08	11.276	3650.0	2.607	34.922	5.68	2.295
450.0	11.097	35.550	4.93	11.040	3700.0	2.596	34.920	5.67	2.279
500.0	10.920	35.544	4.88	10.857	3750.0	2.584	34.919	5.67	2.261
550.0	10.787	35.555	4.72	10.718	3800.0	2.575	34.918	5.67	2.248
600.0	10.689	35.584	4.65	10.614	3850.0	2.568	34.916	5.66	2.235
650.0	10.802	35.662	4.49	10.720	3900.0	2.559	34.915	5.65	2.221
700.0	10.862	35.736	4.37	10.774	3950.0	2.549	34.913	5.65	2.206
750.0	10.633	35.742	4.27	10.539	4000.0	2.541	34.913	5.65	2.191
800.0	10.969	35.896	4.23	10.867	4050.0	2.534	34.911	5.65	2.179
850.0	10.614	35.869	4.25	10.507	4100.0	2.528	34.910	5.65	2.167
900.0	10.891	35.982	4.17	10.776	4150.0	2.522	34.909	5.64	2.156
950.0	10.798	36.009	4.21	10.677	4200.0	2.520	34.907	5.64	2.148
1000.0	10.685	36.025	4.23	10.558	4250.0	2.516	34.907	5.64	2.138
1050.0	10.633	36.056	4.25	10.500	4300.0	2.513	34.906	5.64	2.129
1100.0	10.560	36.070	4.27	10.421	4350.0	2.509	34.905	5.63	2.120
1150.0	10.235	36.033	4.35	10.091	4400.0	2.507	34.905	5.63	2.111
1200.0	9.857	35.974	4.43	9.710	4450.0	2.504	34.903	5.63	2.103
1250.0	9.240	35.869	4.58	9.093	4500.0	2.502	34.903	5.62	2.095
1300.0	8.533	35.743	4.75	8.386	4550.0	2.503	34.902	5.63	2.090
1350.0	7.963	35.644	4.91	7.816	4600.0	2.503	34.901	5.63	2.083
1400.0	7.439	35.553	5.06	7.291	4650.0	2.504	34.901	5.62	2.078
1450.0	6.867	35.453	5.20	6.720	4700.0	2.506	34.900	5.63	2.074
1500.0	6.117	35.324	5.43	5.972	4750.0	2.508	34.900	5.62	2.070
1550.0	5.608	35.239	5.57	5.464	4800.0	2.511	34.899	5.63	2.067
1600.0	5.193	35.173	5.71	5.049	4850.0	2.514	34.899	5.62	2.063
1650.0	4.837	35.118	5.81	4.693	4900.0	2.518	34.899	5.62	2.061
1700.0	4.611	35.085	5.90	4.464	4950.0	2.521	34.899	5.62	2.058
1750.0	4.381	35.052	5.97	4.232	5000.0	2.526	34.899	5.63	2.055
1800.0	4.266	35.040	5.97	4.114	5050.0	2.530	34.899	5.62	2.053
1850.0	4.100	35.019	6.03	3.945	5100.0	2.536	34.898	5.62	2.052
1900.0	4.040	35.017	6.04	3.881	5150.0	2.539	34.898	5.63	2.049
1950.0	4.002	35.019	5.99	3.840	5200.0	2.546	34.898	5.63	2.049
2000.0	3.944	35.019	5.96	3.777	5250.0	2.552	34.898	5.63	2.049
2050.0	3.838	35.012	5.95	3.668	5300.0	2.559	34.898	5.63	2.049
2100.0	3.767	35.009	5.93	3.593	5350.0	2.566	34.898	5.64	2.049
2150.0	3.698	35.007	5.92	3.520	5400.0	2.573	34.898	5.63	2.049
2200.0	3.641	35.004	5.92	3.459	5416.0	2.575	34.898	5.62	2.049
2250.0	3.592	35.001	5.88	3.406					
2300.0	3.536	34.999	5.88	3.346					
2350.0	3.471	34.994	5.88	3.278					
2400.0	3.405	34.991	5.85	3.208					
2450.0	3.342	34.987	5.85	3.140					
2500.0	3.283	34.984	5.85	3.078					
2550.0	3.226	34.980	5.84	3.016					
2600.0	3.182	34.976	5.84	2.969					
2650.0	3.124	34.971	5.84	2.907					
2700.0	3.075	34.967	5.84	2.854					
2750.0	3.034	34.965	5.83	2.808					
2800.0	2.974	34.962	5.82	2.745					
2850.0	2.946	34.958	5.81	2.712					
2900.0	2.914	34.954	5.78	2.675					
2950.0	2.877	34.951	5.76	2.634					
3000.0	2.852	34.949	5.75	2.605					



Station 91

Station : 92 Campagne : ARCANE 98
 Date : 16-07-98 Navire : LA THALASSA
 Profondeur : 5326 Organisme : IFREMER
 Position : N 42 26.99
 W 14 56.18

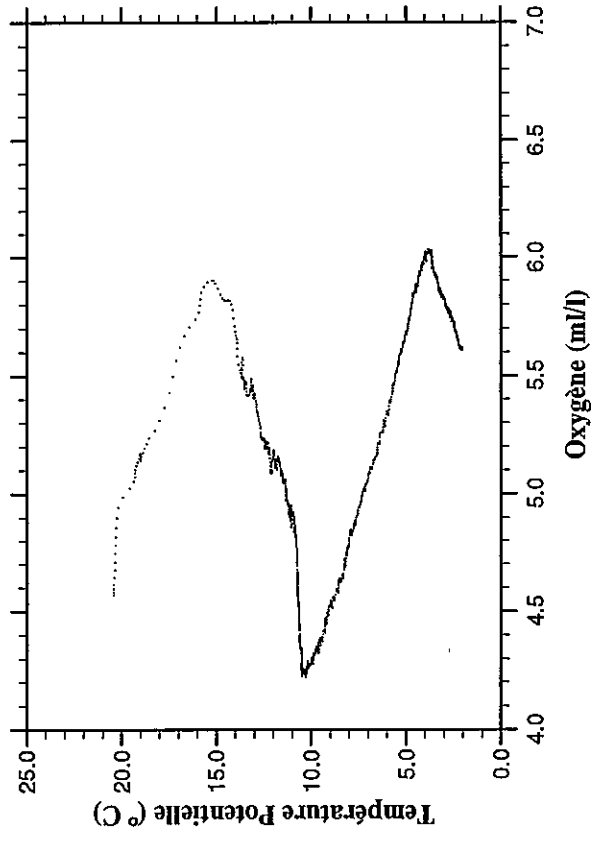
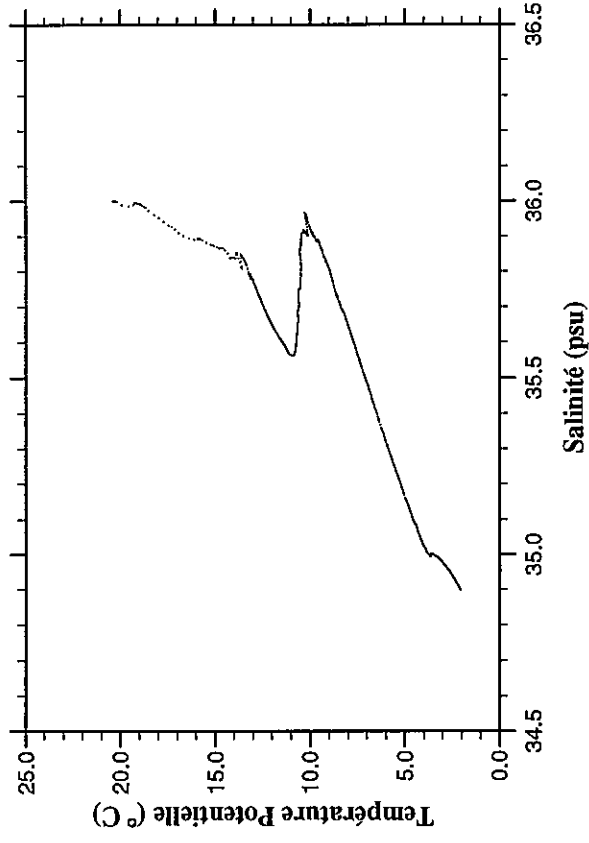
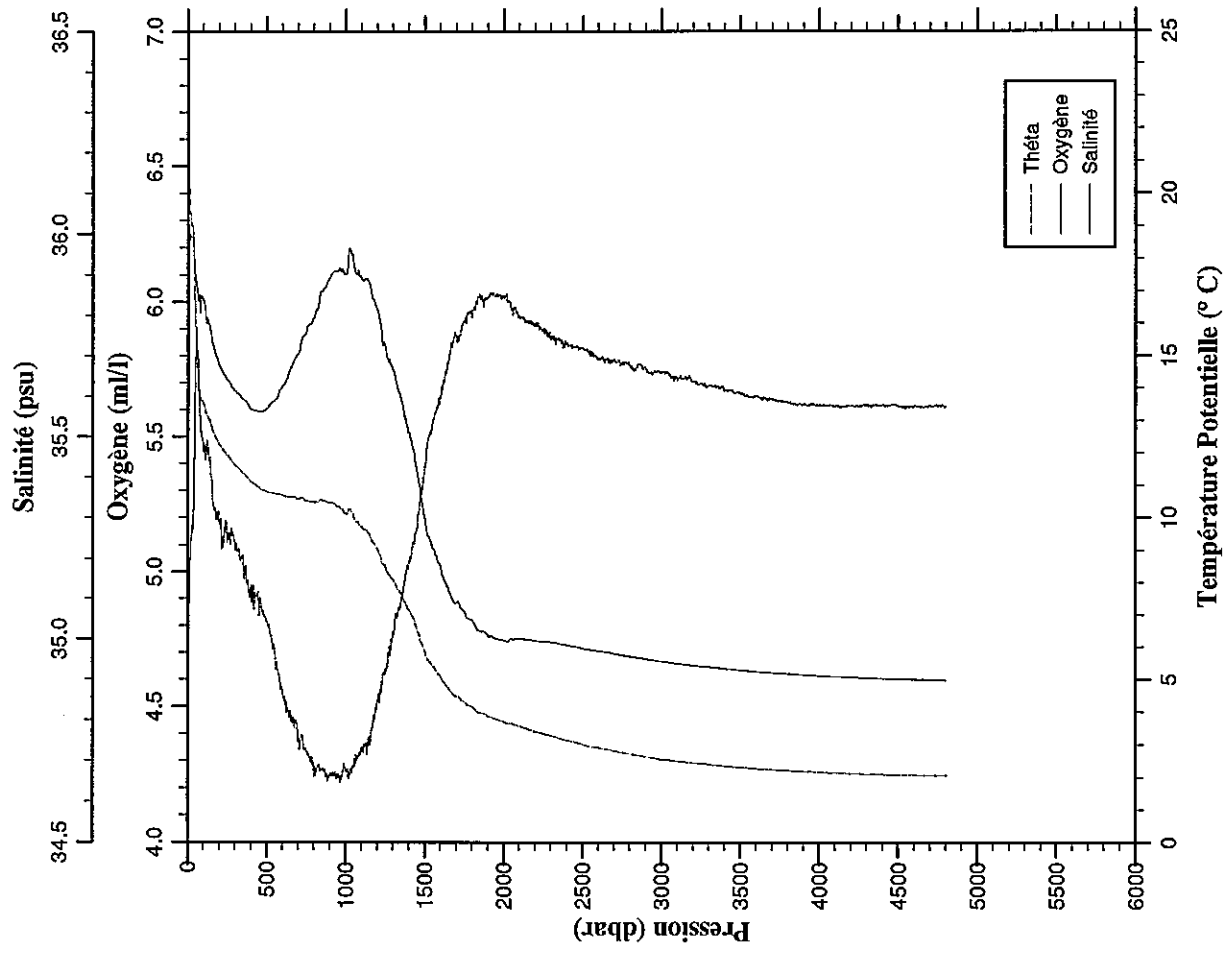
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	20.150	35.950	4.71	20.150	3050.0	2.821	34.946	5.75	2.569
10.0	19.959	35.947	4.94	19.957	3100.0	2.800	34.943	5.75	2.543
20.0	17.802	35.915	5.24	17.798	3150.0	2.779	34.941	5.73	2.517
30.0	15.921	35.935	5.72	15.917	3200.0	2.753	34.939	5.72	2.487
40.0	14.977	35.922	5.71	14.971	3250.0	2.734	34.937	5.72	2.463
50.0	14.429	35.907	5.51	14.422	3300.0	2.714	34.934	5.71	2.438
100.0	13.533	35.838	5.36	13.519	3350.0	2.700	34.933	5.69	2.419
150.0	13.128	35.790	5.51	13.107	3400.0	2.682	34.931	5.70	2.396
200.0	12.678	35.732	5.45	12.651	3450.0	2.656	34.928	5.69	2.365
250.0	12.309	35.683	5.41	12.276	3500.0	2.644	34.927	5.69	2.348
300.0	11.956	35.634	5.22	11.917	3550.0	2.624	34.925	5.67	2.323
350.0	11.685	35.604	5.13	11.639	3600.0	2.605	34.922	5.65	2.299
400.0	11.490	35.583	5.08	11.438	3650.0	2.594	34.921	5.66	2.283
450.0	11.268	35.564	4.99	11.210	3700.0	2.586	34.920	5.65	2.270
500.0	11.079	35.554	4.96	11.015	3750.0	2.576	34.918	5.65	2.254
550.0	10.959	35.561	4.83	10.890	3800.0	2.565	34.917	5.65	2.237
600.0	10.884	35.596	4.71	10.808	3850.0	2.554	34.914	5.65	2.221
650.0	10.800	35.621	4.59	10.718	3900.0	2.549	34.914	5.64	2.210
700.0	10.550	35.613	4.55	10.464	3950.0	2.540	34.912	5.64	2.196
750.0	10.609	35.697	4.45	10.515	4000.0	2.533	34.912	5.65	2.184
800.0	10.836	35.836	4.30	10.735	4050.0	2.528	34.910	5.63	2.173
850.0	10.841	35.902	4.26	10.733	4100.0	2.522	34.909	5.63	2.162
900.0	10.703	35.919	4.26	10.589	4150.0	2.515	34.908	5.63	2.149
950.0	10.547	35.939	4.25	10.428	4200.0	2.509	34.907	5.63	2.138
1000.0	10.417	35.948	4.26	10.292	4250.0	2.506	34.906	5.63	2.128
1050.0	10.227	35.951	4.32	10.097	4300.0	2.503	34.905	5.63	2.119
1100.0	9.915	35.925	4.36	9.781	4350.0	2.501	34.905	5.63	2.112
1150.0	9.666	35.897	4.43	9.527	4400.0	2.500	34.903	5.62	2.104
1200.0	9.211	35.834	4.56	9.070	4450.0	2.499	34.903	5.62	2.098
1250.0	8.721	35.756	4.67	8.578	4500.0	2.498	34.902	5.62	2.091
1300.0	8.318	35.688	4.77	8.173	4550.0	2.499	34.902	5.61	2.085
1350.0	7.549	35.557	4.97	7.405	4600.0	2.500	34.901	5.62	2.080
1400.0	7.029	35.470	5.14	6.885	4650.0	2.501	34.900	5.62	2.076
1450.0	6.615	35.403	5.21	6.470	4700.0	2.504	34.900	5.61	2.072
1500.0	6.155	35.328	5.38	6.010	4750.0	2.506	34.899	5.61	2.068
1550.0	5.699	35.256	5.51	5.554	4800.0	2.510	34.899	5.62	2.066
1600.0	5.415	35.212	5.60	5.268	4850.0	2.513	34.900	5.61	2.062
1650.0	5.069	35.160	5.74	4.922	4900.0	2.517	34.899	5.62	2.059
1700.0	4.830	35.125	5.78	4.680	4950.0	2.521	34.899	5.62	2.057
1750.0	4.711	35.109	5.82	4.558	5000.0	2.525	34.898	5.61	2.055
1800.0	4.551	35.087	5.85	4.395	5050.0	2.530	34.898	5.61	2.053
1850.0	4.379	35.064	5.90	4.220	5100.0	2.535	34.898	5.62	2.051
1900.0	4.271	35.051	5.92	4.110	5150.0	2.540	34.898	5.62	2.050
1950.0	4.166	35.040	5.93	4.001	5200.0	2.546	34.898	5.62	2.049
2000.0	4.069	35.030	5.94	3.901	5250.0	2.552	34.898	5.62	2.049
2050.0	3.952	35.021	5.94	3.780	5300.0	2.559	34.898	5.63	2.049
2100.0	3.847	35.012	5.93	3.672	5350.0	2.566	34.898	5.63	2.049
2150.0	3.787	35.013	5.92	3.608	5400.0	2.573	34.898	5.64	2.049
2200.0	3.703	35.008	5.90	3.520	5417.0	2.575	34.898	5.64	2.049
2250.0	3.639	35.007	5.88	3.452					
2300.0	3.564	35.003	5.87	3.374					
2350.0	3.484	34.998	5.87	3.290					
2400.0	3.423	34.994	5.85	3.225					
2450.0	3.365	34.989	5.83	3.163					
2500.0	3.306	34.985	5.85	3.100					
2550.0	3.235	34.980	5.84	3.026					
2600.0	3.170	34.975	5.82	2.957					
2650.0	3.123	34.972	5.82	2.906					
2700.0	3.081	34.968	5.80	2.859					
2750.0	3.031	34.964	5.80	2.805					
2800.0	2.982	34.960	5.80	2.752					
2850.0	2.944	34.957	5.78	2.710					
2900.0	2.908	34.954	5.78	2.670					
2950.0	2.878	34.951	5.76	2.635					
3000.0	2.846	34.948	5.77	2.599					



Station 92

Station : 93 Campagne : ARCANE 98
 Date : 17-07-98 Navire : LA THALASSA
 Profondeur : 4714 Organisme : IFREMER
 Position : N 42 30.05
 W 15 33.01

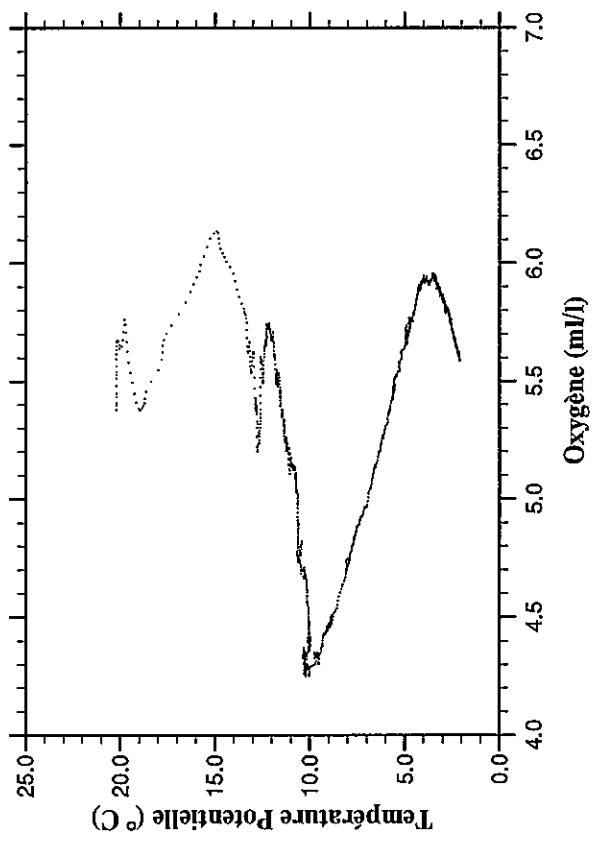
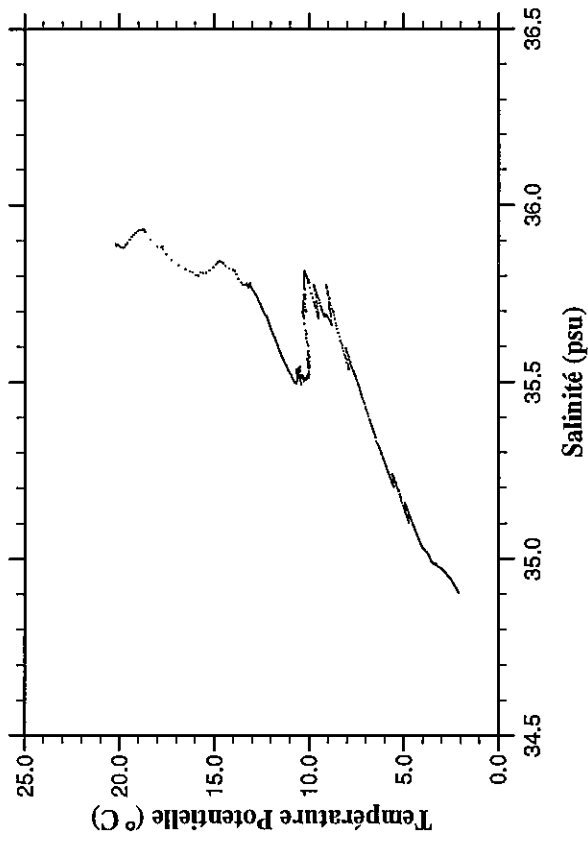
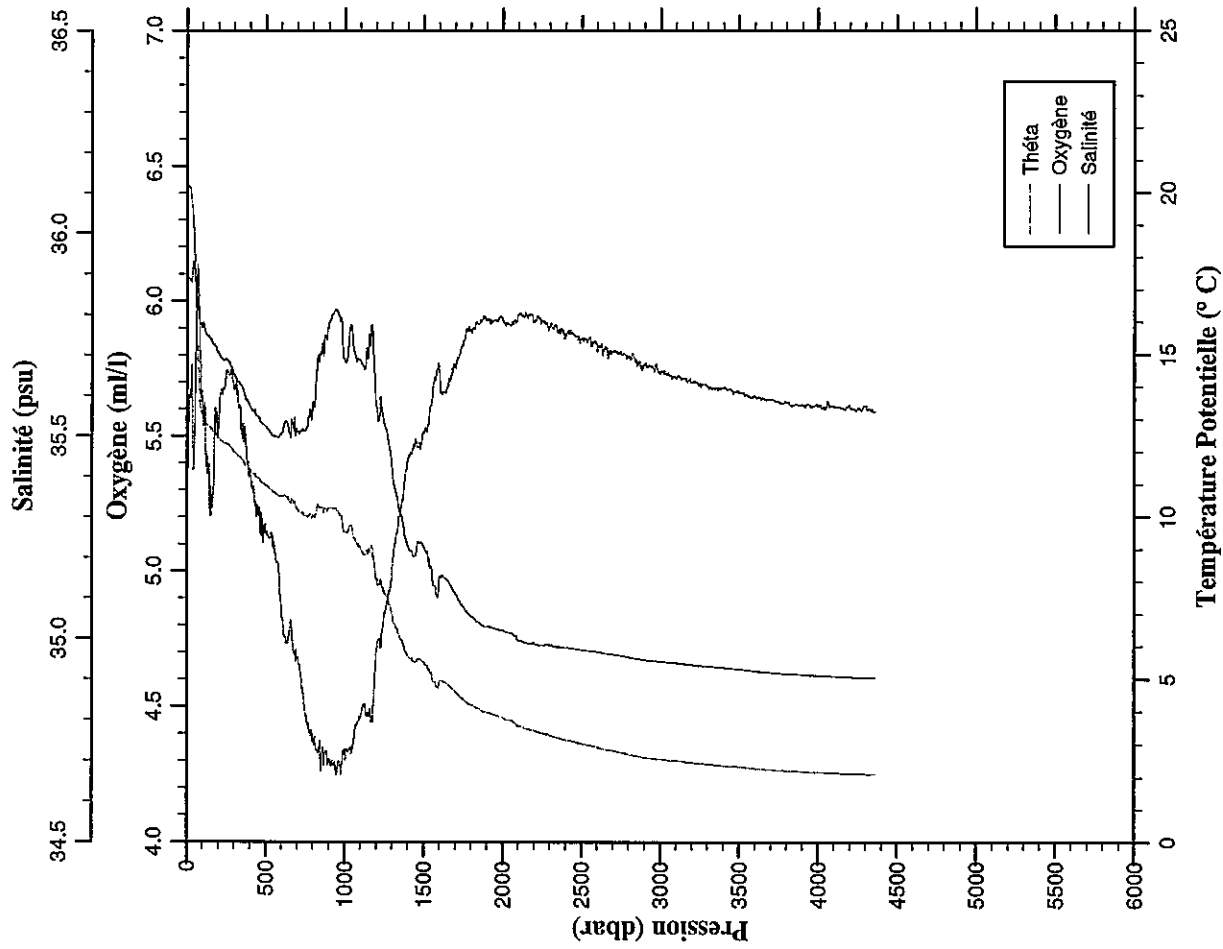
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	20.417	36.001	4.57	20.417	3050.0	2.792	34.943	5.73	2.541
10.0	20.321	36.001	4.82	20.319	3100.0	2.756	34.940	5.71	2.500
20.0	19.242	35.997	5.12	19.239	3150.0	2.739	34.938	5.72	2.478
30.0	19.007	35.994	5.14	19.001	3200.0	2.716	34.936	5.71	2.451
40.0	17.758	35.942	5.37	17.751	3250.0	2.698	34.934	5.70	2.428
50.0	15.849	35.893	5.83	15.842	3300.0	2.680	34.932	5.69	2.405
100.0	13.535	35.836	5.45	13.520	3350.0	2.662	34.930	5.69	2.381
150.0	12.834	35.746	5.34	12.813	3400.0	2.641	34.928	5.67	2.356
200.0	12.291	35.676	5.17	12.265	3450.0	2.626	34.926	5.67	2.336
250.0	11.963	35.641	5.11	11.930	3500.0	2.609	34.924	5.66	2.314
300.0	11.659	35.613	5.08	11.620	3550.0	2.596	34.922	5.65	2.296
350.0	11.411	35.593	5.05	11.366	3600.0	2.584	34.920	5.65	2.278
400.0	11.150	35.567	4.95	11.099	3650.0	2.574	34.918	5.65	2.263
450.0	10.998	35.563	4.84	10.941	3700.0	2.565	34.917	5.64	2.249
500.0	10.873	35.570	4.81	10.810	3750.0	2.554	34.916	5.64	2.232
550.0	10.827	35.591	4.72	10.759	3800.0	2.547	34.914	5.63	2.220
600.0	10.773	35.627	4.55	10.698	3850.0	2.536	34.913	5.62	2.204
650.0	10.731	35.671	4.47	10.650	3900.0	2.533	34.912	5.62	2.195
700.0	10.670	35.708	4.38	10.582	3950.0	2.525	34.911	5.62	2.181
750.0	10.632	35.762	4.34	10.538	4000.0	2.517	34.910	5.62	2.168
800.0	10.591	35.795	4.25	10.491	4050.0	2.513	34.909	5.62	2.159
850.0	10.646	35.860	4.27	10.539	4100.0	2.510	34.908	5.61	2.150
900.0	10.596	35.894	4.25	10.483	4150.0	2.511	34.907	5.61	2.145
950.0	10.469	35.910	4.25	10.350	4200.0	2.503	34.906	5.62	2.132
1000.0	10.265	35.901	4.26	10.141	4250.0	2.500	34.905	5.61	2.123
1050.0	10.152	35.925	4.28	10.023	4300.0	2.500	34.905	5.62	2.116
1100.0	9.842	35.888	4.34	9.708	4350.0	2.497	34.904	5.62	2.108
1150.0	9.655	35.880	4.36	9.517	4400.0	2.495	34.903	5.62	2.100
1200.0	9.190	35.812	4.52	9.049	4450.0	2.495	34.902	5.62	2.094
1250.0	8.664	35.722	4.64	8.522	4500.0	2.498	34.902	5.61	2.090
1300.0	8.241	35.664	4.77	8.097	4550.0	2.498	34.901	5.61	2.084
1350.0	7.805	35.593	4.87	7.659	4600.0	2.501	34.901	5.62	2.081
1400.0	7.314	35.511	5.04	7.168	4650.0	2.502	34.900	5.61	2.076
1450.0	6.737	35.416	5.16	6.591	4700.0	2.502	34.900	5.62	2.070
1500.0	6.008	35.299	5.39	5.864	4750.0	2.504	34.899	5.61	2.066
1550.0	5.540	35.225	5.55	5.396	4800.0	2.506	34.899	5.61	2.062
1600.0	5.239	35.179	5.65	5.095	4804.0	2.506	34.899	5.61	2.061
1650.0	4.894	35.127	5.78	4.749					
1700.0	4.641	35.089	5.88	4.493					
1750.0	4.476	35.068	5.93	4.327					
1800.0	4.321	35.046	5.97	4.168					
1850.0	4.139	35.022	6.01	3.984					
1900.0	4.029	35.009	6.02	3.871					
1950.0	3.945	35.002	6.02	3.783					
2000.0	3.870	34.998	6.01	3.704					
2050.0	3.816	35.001	5.97	3.646					
2100.0	3.756	35.003	5.95	3.582					
2150.0	3.670	34.999	5.92	3.493					
2200.0	3.587	34.996	5.91	3.406					
2250.0	3.532	34.994	5.89	3.347					
2300.0	3.472	34.993	5.87	3.284					
2350.0	3.403	34.989	5.86	3.210					
2400.0	3.339	34.985	5.85	3.142					
2450.0	3.291	34.982	5.83	3.090					
2500.0	3.219	34.977	5.83	3.015					
2550.0	3.162	34.974	5.80	2.954					
2600.0	3.130	34.972	5.79	2.917					
2650.0	3.080	34.968	5.79	2.864					
2700.0	3.038	34.964	5.79	2.817					
2750.0	3.000	34.962	5.77	2.775					
2800.0	2.958	34.958	5.76	2.729					
2850.0	2.924	34.955	5.77	2.690					
2900.0	2.882	34.952	5.75	2.644					
2950.0	2.851	34.949	5.74	2.608					
3000.0	2.813	34.945	5.74	2.567					



Station 93

Station	: 94	Campagne	: ARCANE 98
Date	: 17-07-98	Navire	: LA THALASSA
Profondeur	: 4297	Organisme	: IFREMER
Position	: N 42 50.02		
	W 15 58.49		

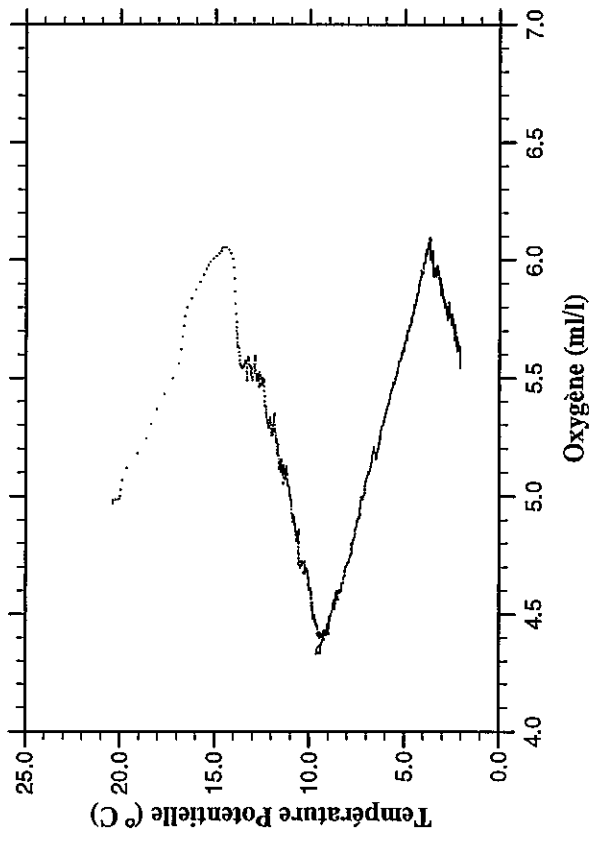
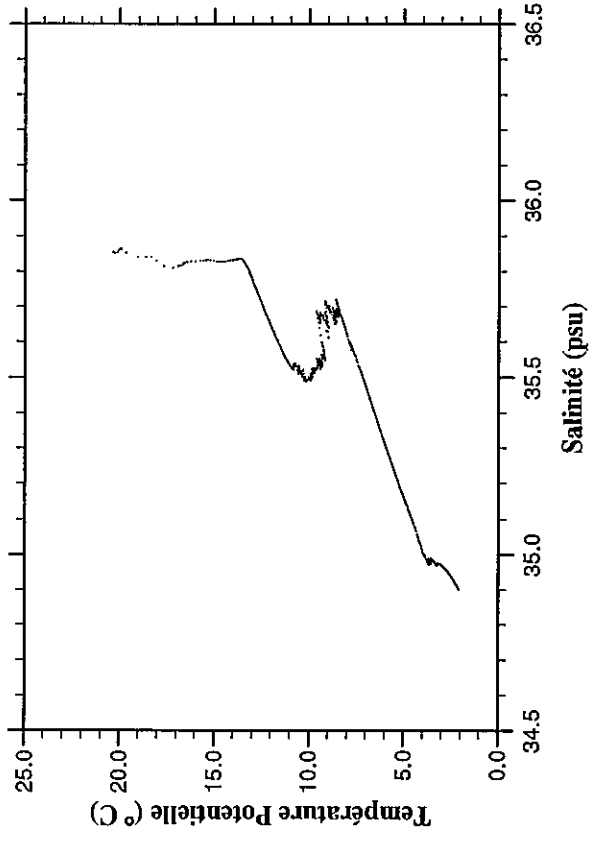
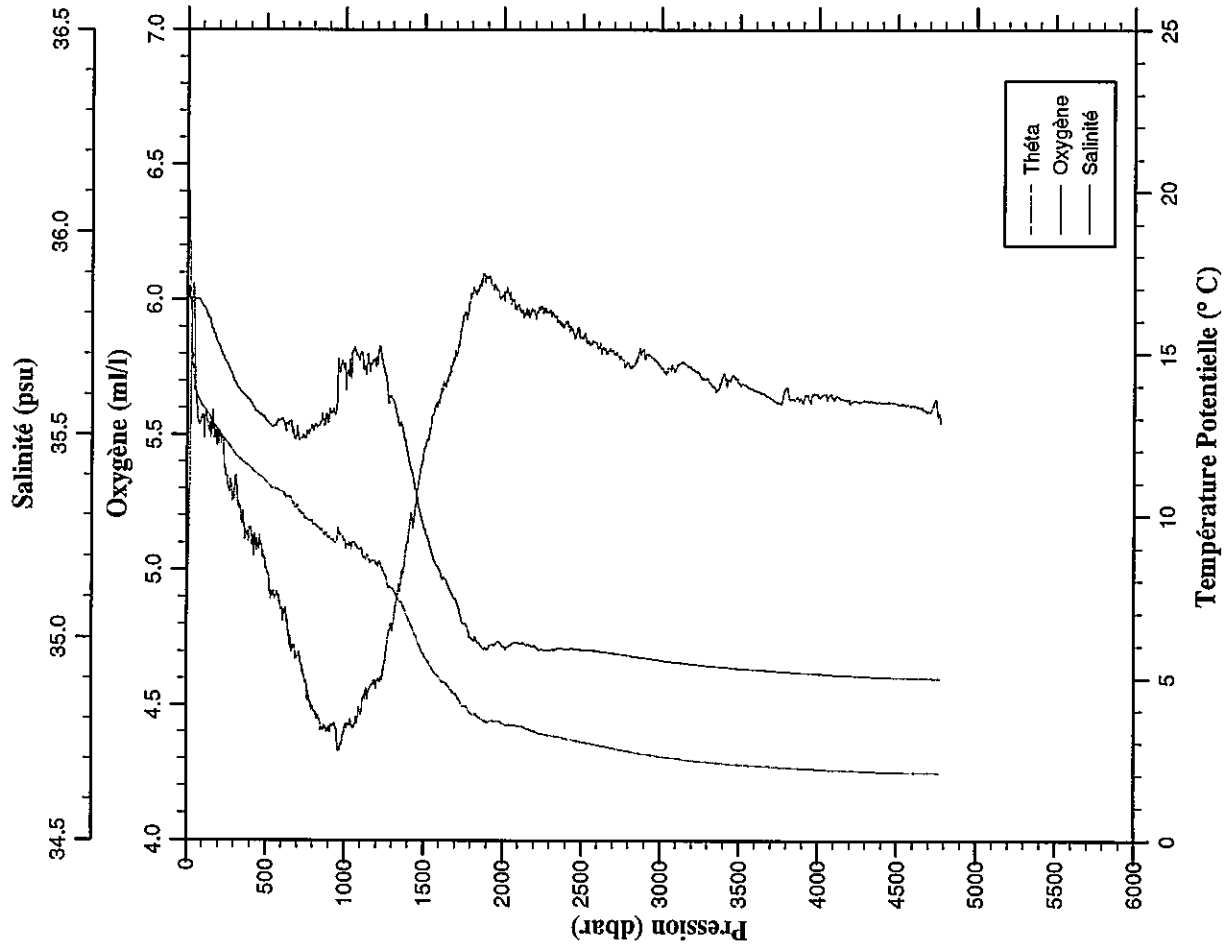
PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	20.225	35.891	5.54	20.224	3050.0	2.785	34.943	5.73	2.533
10.0	20.218	35.891	5.48	20.216	3100.0	2.774	34.941	5.71	2.517
20.0	20.111	35.887	5.67	20.107	3150.0	2.747	34.939	5.71	2.486
30.0	19.751	35.885	5.74	19.746	3200.0	2.724	34.937	5.70	2.459
40.0	19.000	35.930	5.38	18.993	3250.0	2.702	34.934	5.70	2.432
50.0	17.846	35.881	5.59	17.838	3300.0	2.685	34.932	5.68	2.409
100.0	13.174	35.777	5.58	13.160	3350.0	2.669	34.930	5.68	2.388
150.0	12.775	35.740	5.23	12.755	3400.0	2.659	34.929	5.68	2.373
200.0	12.490	35.705	5.54	12.463	3450.0	2.639	34.927	5.67	2.348
250.0	12.302	35.689	5.74	12.268	3500.0	2.630	34.925	5.66	2.334
300.0	12.056	35.651	5.68	12.016	3550.0	2.609	34.924	5.65	2.308
350.0	11.811	35.618	5.49	11.765	3600.0	2.584	34.921	5.65	2.278
400.0	11.488	35.571	5.38	11.436	3650.0	2.573	34.919	5.64	2.262
450.0	11.284	35.548	5.21	11.226	3700.0	2.561	34.917	5.64	2.245
500.0	11.048	35.523	5.14	10.985	3750.0	2.549	34.916	5.63	2.227
550.0	10.843	35.501	5.11	10.774	3800.0	2.541	34.915	5.63	2.215
600.0	10.716	35.508	4.84	10.642	3850.0	2.537	34.914	5.62	2.204
650.0	10.563	35.506	4.76	10.483	3900.0	2.529	34.913	5.62	2.191
700.0	10.319	35.509	4.68	10.234	3950.0	2.520	34.911	5.61	2.177
750.0	10.116	35.513	4.47	10.026	4000.0	2.517	34.910	5.61	2.168
800.0	10.184	35.586	4.38	10.086	4050.0	2.512	34.908	5.61	2.157
850.0	10.396	35.703	4.28	10.290	4100.0	2.508	34.908	5.61	2.148
900.0	10.394	35.779	4.29	10.283	4150.0	2.504	34.907	5.60	2.138
950.0	10.322	35.808	4.26	10.204	4200.0	2.501	34.906	5.60	2.129
1000.0	9.667	35.687	4.33	9.548	4250.0	2.502	34.905	5.60	2.124
1050.0	9.645	35.737	4.34	9.520	4300.0	2.501	34.905	5.61	2.118
1100.0	9.164	35.687	4.46	9.036	4350.0	2.499	34.904	5.59	2.110
1150.0	9.117	35.736	4.48	8.983	4361.0	2.499	34.904	5.59	2.109
1200.0	8.230	35.573	4.70	8.098					
1250.0	7.790	35.529	4.84	7.656					
1300.0	7.078	35.414	5.01	6.945					
1350.0	6.408	35.310	5.23	6.277					
1400.0	5.858	35.228	5.41	5.727					
1450.0	5.677	35.209	5.49	5.543					
1500.0	5.662	35.226	5.51	5.523					
1550.0	5.282	35.165	5.63	5.141					
1600.0	5.106	35.156	5.72	4.963					
1650.0	5.003	35.145	5.70	4.856					
1700.0	4.761	35.110	5.75	4.612					
1750.0	4.551	35.080	5.85	4.400					
1800.0	4.371	35.055	5.90	4.217					
1850.0	4.257	35.041	5.92	4.100					
1900.0	4.143	35.029	5.93	3.983					
1950.0	4.078	35.026	5.93	3.915					
2000.0	3.992	35.021	5.93	3.825					
2050.0	3.910	35.015	5.91	3.738					
2100.0	3.744	34.996	5.95	3.571					
2150.0	3.669	34.990	5.95	3.492					
2200.0	3.618	34.988	5.92	3.437					
2250.0	3.534	34.983	5.92	3.349					
2300.0	3.477	34.982	5.91	3.288					
2350.0	3.410	34.980	5.88	3.217					
2400.0	3.351	34.978	5.87	3.154					
2450.0	3.320	34.976	5.88	3.119					
2500.0	3.240	34.973	5.86	3.035					
2550.0	3.197	34.971	5.87	2.988					
2600.0	3.147	34.969	5.82	2.935					
2650.0	3.078	34.964	5.82	2.861					
2700.0	3.051	34.962	5.81	2.830					
2750.0	3.000	34.959	5.81	2.775					
2800.0	2.950	34.956	5.80	2.721					
2850.0	2.893	34.952	5.76	2.660					
2900.0	2.851	34.948	5.76	2.614					
2950.0	2.830	34.946	5.75	2.588					
3000.0	2.806	34.945	5.73	2.559					



Station 94

Station	: 95	Campagne	: ARCANE 98
Date	: 17-07-98	Navire	: LA THALASSA
Profondeur	: 4698	Organisme	: IFREMER
Position	: N 43 9.97		
	W 16 23.90		

PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	20.372	35.854	4.97	20.372	3050.0	2.801	34.944	5.75	2.549
10.0	19.995	35.864	5.00	19.993	3100.0	2.786	34.942	5.76	2.529
20.0	16.939	35.814	5.56	16.936	3150.0	2.752	34.939	5.77	2.491
30.0	15.483	35.832	5.96	15.478	3200.0	2.734	34.937	5.74	2.468
40.0	14.424	35.827	6.05	14.418	3250.0	2.712	34.935	5.72	2.441
50.0	13.872	35.833	5.72	13.865	3300.0	2.692	34.933	5.70	2.416
100.0	13.395	35.818	5.56	13.381	3350.0	2.679	34.932	5.66	2.399
150.0	13.019	35.773	5.51	12.998	3400.0	2.659	34.929	5.73	2.373
200.0	12.647	35.723	5.48	12.619	3450.0	2.644	34.928	5.72	2.353
250.0	12.326	35.679	5.35	12.293	3500.0	2.631	34.925	5.69	2.335
300.0	11.973	35.634	5.30	11.933	3550.0	2.619	34.924	5.68	2.318
350.0	11.740	35.604	5.17	11.694	3600.0	2.613	34.924	5.66	2.307
400.0	11.553	35.582	5.15	11.501	3650.0	2.604	34.922	5.65	2.293
450.0	11.322	35.554	5.09	11.265	3700.0	2.593	34.920	5.64	2.276
500.0	11.115	35.536	5.00	11.052	3750.0	2.581	34.918	5.62	2.259
550.0	10.922	35.525	4.92	10.853	3800.0	2.574	34.918	5.68	2.246
600.0	10.831	35.539	4.85	10.756	3850.0	2.560	34.916	5.63	2.227
650.0	10.662	35.533	4.74	10.581	3900.0	2.555	34.915	5.62	2.216
700.0	10.426	35.522	4.68	10.341	3950.0	2.548	34.914	5.63	2.204
750.0	10.003	35.493	4.59	9.913	4000.0	2.541	34.912	5.64	2.192
800.0	9.835	35.512	4.49	9.739	4050.0	2.533	34.911	5.64	2.178
850.0	9.656	35.536	4.41	9.556	4100.0	2.529	34.910	5.63	2.169
900.0	9.443	35.547	4.41	9.338	4150.0	2.527	34.910	5.64	2.160
950.0	9.424	35.592	4.39	9.312	4200.0	2.524	34.908	5.62	2.152
1000.0	9.399	35.678	4.42	9.282	4250.0	2.521	34.907	5.62	2.143
1050.0	9.291	35.706	4.42	9.169	4300.0	2.517	34.906	5.63	2.133
1100.0	9.123	35.705	4.46	8.995	4350.0	2.514	34.905	5.62	2.124
1150.0	8.824	35.680	4.54	8.692	4400.0	2.510	34.904	5.62	2.114
1200.0	8.688	35.688	4.57	8.551	4450.0	2.507	34.904	5.62	2.106
1250.0	8.364	35.659	4.65	8.225	4500.0	2.509	34.903	5.61	2.101
1300.0	7.911	35.589	4.78	7.770	4550.0	2.512	34.903	5.61	2.098
1350.0	7.504	35.530	4.94	7.362	4600.0	2.513	34.902	5.61	2.093
1400.0	7.008	35.451	5.10	6.864	4650.0	2.517	34.902	5.60	2.091
1450.0	6.447	35.361	5.25	6.305	4700.0	2.520	34.901	5.59	2.088
1500.0	5.872	35.271	5.44	5.730	4750.0	2.518	34.901	5.59	2.079
1550.0	5.474	35.210	5.57	5.331	4772.0	2.518	34.901	5.54	2.077
1600.0	5.171	35.166	5.64	5.027					
1650.0	4.937	35.133	5.70	4.791					
1700.0	4.674	35.095	5.81	4.526					
1750.0	4.299	35.035	5.94	4.152					
1800.0	4.067	35.001	6.02	3.918					
1850.0	3.954	34.988	6.06	3.802					
1900.0	3.813	34.972	6.09	3.658					
1950.0	3.825	34.983	6.06	3.664					
2000.0	3.754	34.979	6.02	3.590					
2050.0	3.725	34.983	5.99	3.557					
2100.0	3.686	34.988	5.97	3.513					
2150.0	3.619	34.982	5.96	3.442					
2200.0	3.539	34.979	5.95	3.359					
2250.0	3.469	34.973	5.96	3.286					
2300.0	3.416	34.971	5.96	3.228					
2350.0	3.391	34.976	5.92	3.199					
2400.0	3.328	34.973	5.91	3.132					
2450.0	3.299	34.975	5.87	3.099					
2500.0	3.244	34.971	5.86	3.039					
2550.0	3.203	34.971	5.83	2.994					
2600.0	3.160	34.969	5.82	2.947					
2650.0	3.111	34.967	5.82	2.894					
2700.0	3.064	34.964	5.81	2.843					
2750.0	3.018	34.961	5.78	2.793					
2800.0	2.980	34.958	5.76	2.750					
2850.0	2.936	34.955	5.78	2.702					
2900.0	2.898	34.952	5.78	2.659					
2950.0	2.873	34.949	5.79	2.630					
3000.0	2.838	34.947	5.75	2.591					



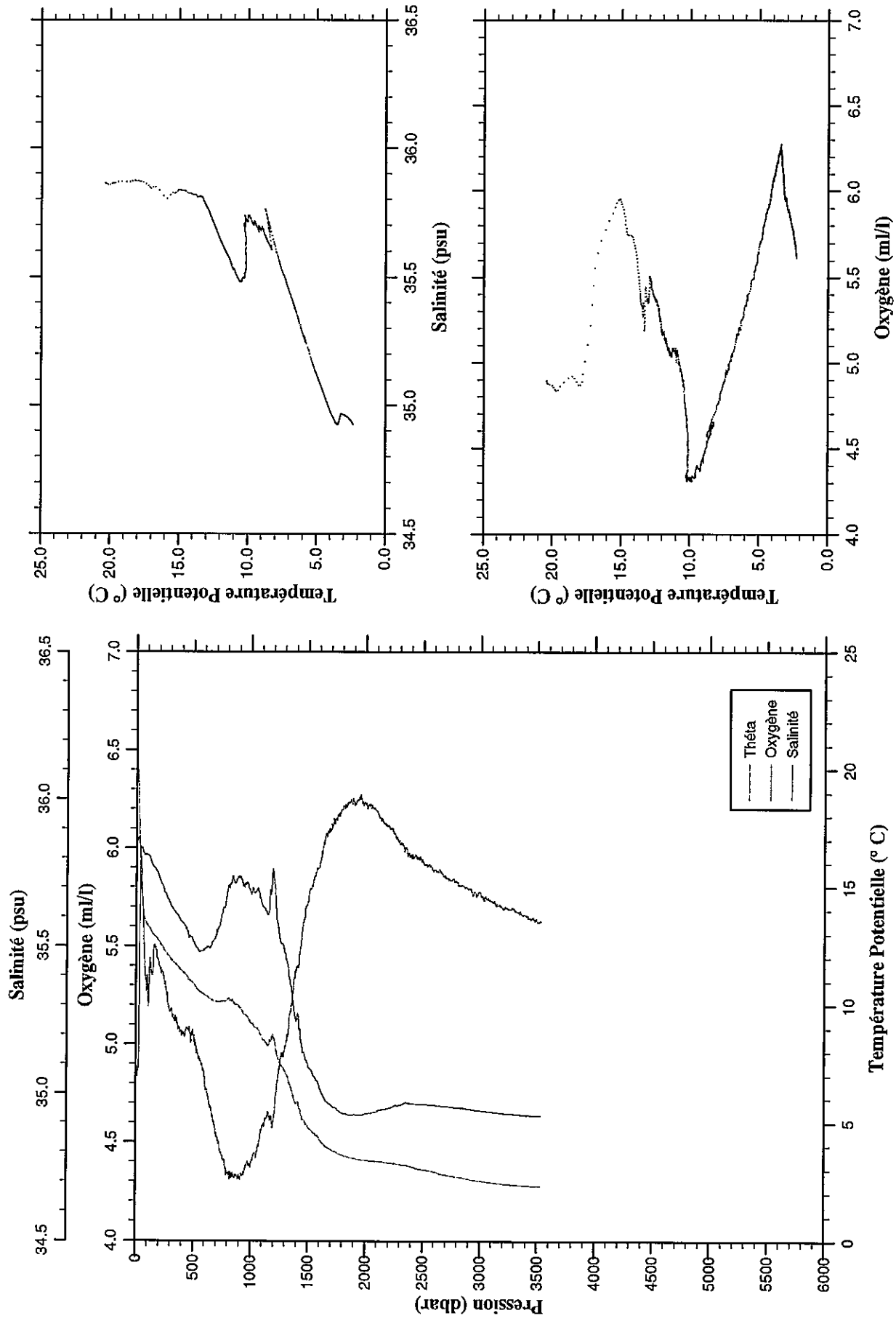
Station 95

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| Station   : 96           Campagne  : ARCANE 98
| Date     : 17-07-98    Navire    : LA THALASSA
| Profondeur : 3488      Organisme : IFREMER
| Position  : N 43 29.98
|           : W 16 49.55
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PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	20.408	35.864	4.90	20.408	3050.0	2.763	34.940	5.74	2.512
10.0	20.185	35.857	4.87	20.183	3100.0	2.746	34.938	5.73	2.490
20.0	18.397	35.871	4.91	18.394	3150.0	2.714	34.936	5.71	2.454
30.0	17.040	35.842	5.45	17.035	3200.0	2.688	34.933	5.69	2.423
40.0	15.129	35.832	5.95	15.123	3250.0	2.671	34.932	5.69	2.401
50.0	14.679	35.832	5.79	14.671	3300.0	2.661	34.930	5.68	2.386
100.0	13.407	35.810	5.34	13.393	3350.0	2.647	34.929	5.68	2.368
150.0	13.015	35.770	5.41	12.995	3400.0	2.634	34.927	5.66	2.349
200.0	12.730	35.734	5.41	12.703	3450.0	2.624	34.926	5.64	2.333
250.0	12.331	35.681	5.31	12.298	3500.0	2.619	34.924	5.62	2.323
300.0	12.018	35.640	5.17	11.979	3530.0	2.622	34.925	5.63	2.323
350.0	11.764	35.610	5.12	11.718					
400.0	11.511	35.583	5.05	11.459					
450.0	11.254	35.549	5.07	11.197					
500.0	10.964	35.515	5.05	10.901					
550.0	10.670	35.483	4.94	10.602					
600.0	10.501	35.491	4.81	10.428					
650.0	10.332	35.500	4.69	10.252					
700.0	10.226	35.542	4.54	10.141					
750.0	10.242	35.610	4.43	10.151					
800.0	10.385	35.697	4.34	10.286					
850.0	10.252	35.723	4.33	10.148					
900.0	10.047	35.734	4.33	9.938					
950.0	9.712	35.713	4.36	9.598					
1000.0	9.373	35.682	4.37	9.255					
1050.0	9.143	35.688	4.42	9.021					
1100.0	8.710	35.638	4.57	8.586					
1150.0	8.413	35.607	4.65	8.286					
1200.0	8.726	35.729	4.61	8.589					
1250.0	7.705	35.532	4.88	7.572					
1300.0	7.327	35.476	4.99	7.191					
1350.0	6.637	35.365	5.17	6.503					
1400.0	5.955	35.250	5.38	5.823					
1450.0	5.287	35.140	5.59	5.157					
1500.0	4.944	35.092	5.73	4.813					
1550.0	4.703	35.058	5.84	4.570					
1600.0	4.456	35.022	5.92	4.321					
1650.0	4.154	34.979	6.07	4.018					
1700.0	4.000	34.960	6.11	3.862					
1750.0	3.897	34.949	6.16	3.755					
1800.0	3.776	34.934	6.21	3.631					
1850.0	3.691	34.927	6.24	3.542					
1900.0	3.650	34.929	6.22	3.497					
1950.0	3.597	34.927	6.26	3.440					
2000.0	3.573	34.931	6.23	3.412					
2050.0	3.541	34.933	6.21	3.375					
2100.0	3.527	34.939	6.19	3.357					
2150.0	3.525	34.947	6.14	3.350					
2200.0	3.486	34.949	6.11	3.307					
2250.0	3.470	34.958	6.08	3.286					
2300.0	3.427	34.962	6.03	3.239					
2350.0	3.415	34.970	6.01	3.222					
2400.0	3.353	34.967	5.96	3.157					
2450.0	3.283	34.964	5.95	3.083					
2500.0	3.225	34.964	5.93	3.020					
2550.0	3.190	34.962	5.91	2.981					
2600.0	3.146	34.962	5.89	2.934					
2650.0	3.068	34.958	5.88	2.851					
2700.0	3.019	34.957	5.85	2.799					
2750.0	2.981	34.955	5.84	2.757					
2800.0	2.945	34.953	5.83	2.716					
2850.0	2.914	34.952	5.81	2.681					
2900.0	2.861	34.948	5.80	2.623					
2950.0	2.820	34.945	5.78	2.578					
3000.0	2.785	34.942	5.77	2.538					



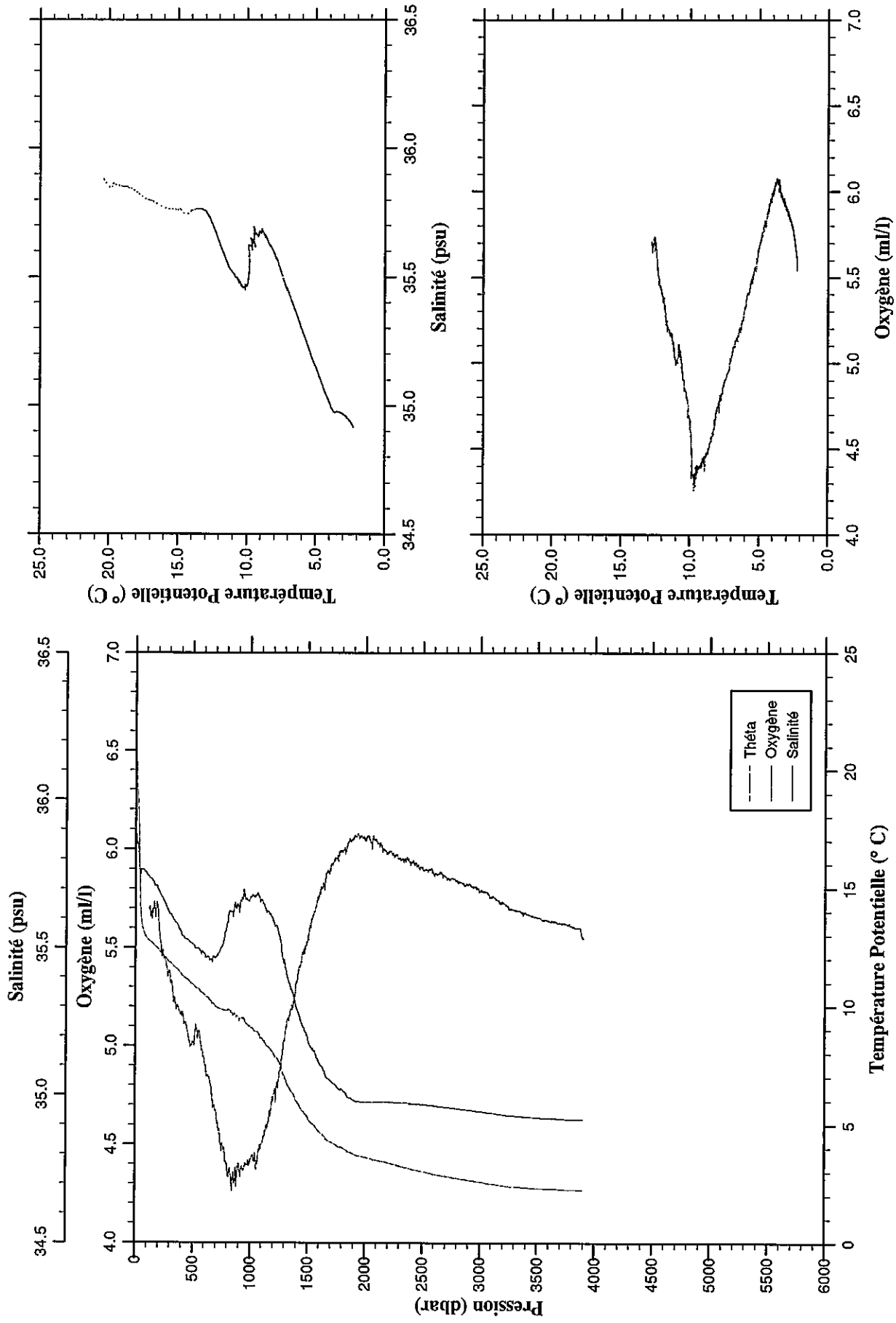
Station 96

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| Station   : 97           Campagne  : ARCANE 98
| Date     : 18-07-98    Navire    : LA THALASSA
| Profondeur : 3831      Organisme : IFREMER
| Position  : N 43 50.04
|           : W 17 15.01
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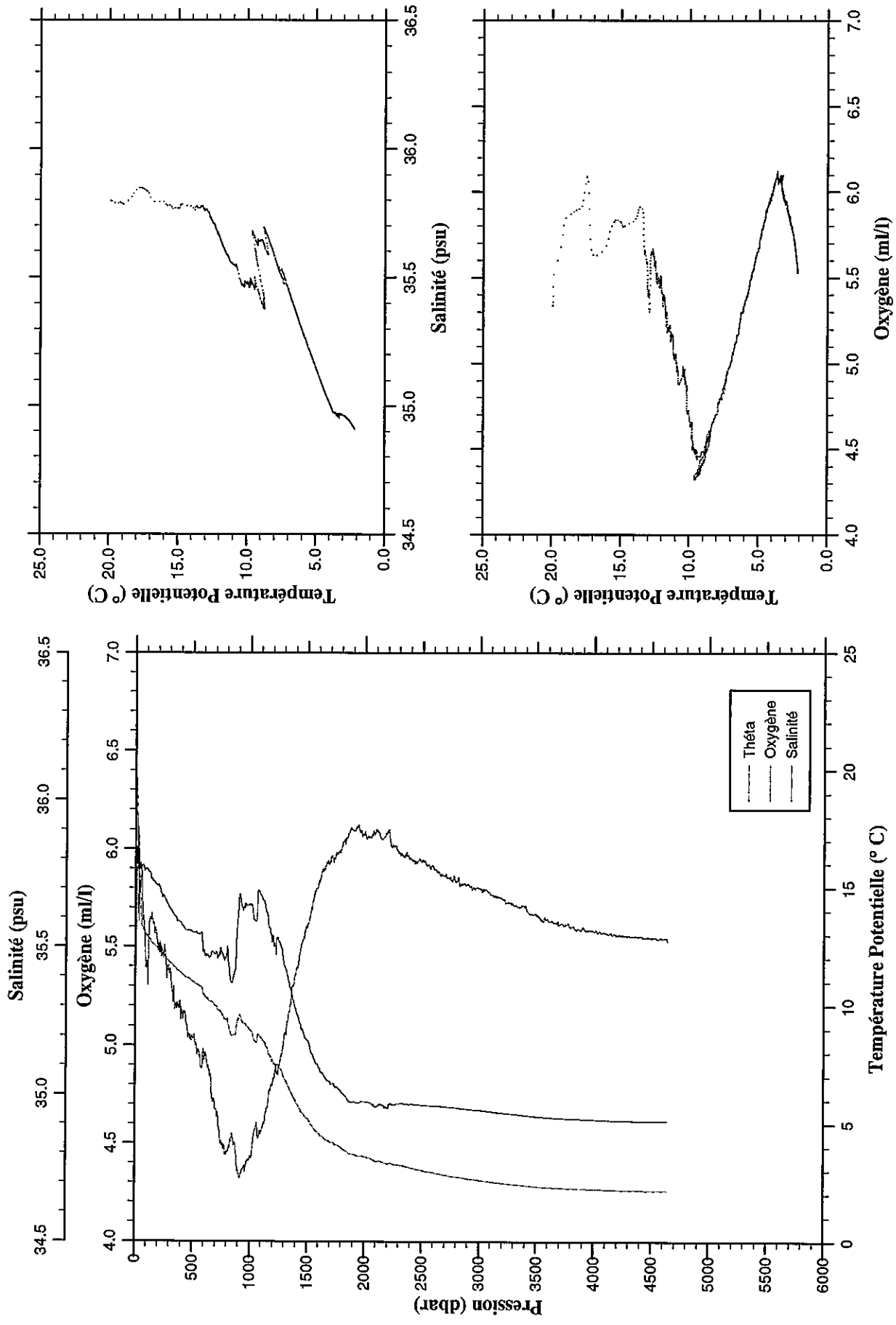
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	20.408	35.880	****	20.408	3050.0	2.810	34.943	5.78	2.559
10.0	19.975	35.850	****	19.973	3100.0	2.777	34.941	5.75	2.520
20.0	18.834	35.851	****	18.830	3150.0	2.745	34.938	5.74	2.484
30.0	17.177	35.800	****	17.172	3200.0	2.709	34.935	5.73	2.444
40.0	15.009	35.761	****	15.003	3250.0	2.686	34.933	5.70	2.415
50.0	13.704	35.764	****	13.697	3300.0	2.676	34.931	5.69	2.401
100.0	12.929	35.748	****	12.916	3350.0	2.660	34.930	5.68	2.379
150.0	12.705	35.727	5.67	12.685	3400.0	2.648	34.928	5.67	2.363
200.0	12.456	35.695	5.65	12.429	3450.0	2.633	34.927	5.66	2.343
250.0	12.191	35.656	5.45	12.157	3500.0	2.625	34.926	5.65	2.330
300.0	11.914	35.615	5.37	11.874	3550.0	2.619	34.924	5.64	2.318
350.0	11.699	35.586	5.21	11.653	3600.0	2.617	34.924	5.64	2.311
400.0	11.443	35.549	5.17	11.392	3650.0	2.615	34.923	5.63	2.303
450.0	11.237	35.529	5.08	11.180	3700.0	2.610	34.922	5.62	2.293
500.0	11.018	35.512	5.02	10.955	3750.0	2.598	34.920	5.62	2.276
550.0	10.820	35.499	5.07	10.752	3800.0	2.590	34.918	5.60	2.262
600.0	10.600	35.482	4.92	10.526	3850.0	2.591	34.919	5.60	2.257
650.0	10.349	35.459	4.82	10.269	3896.0	2.592	34.918	5.54	2.253
700.0	10.077	35.468	4.67	9.993					
750.0	9.986	35.503	4.47	9.896					
800.0	9.952	35.586	4.40	9.856					
850.0	9.708	35.605	4.32	9.608					
900.0	9.584	35.631	4.40	9.478					
950.0	9.549	35.684	4.39	9.437					
1000.0	9.255	35.671	4.42	9.139					
1050.0	9.053	35.677	4.40	8.932					
1100.0	8.775	35.662	4.50	8.650					
1150.0	8.448	35.624	4.59	8.320					
1200.0	8.131	35.588	4.72	8.000					
1250.0	7.789	35.543	4.83	7.655					
1300.0	7.151	35.447	5.03	7.017					
1350.0	6.602	35.365	5.18	6.469					
1400.0	6.160	35.298	5.32	6.026					
1450.0	5.754	35.239	5.47	5.619					
1500.0	5.450	35.191	5.56	5.313					
1550.0	5.134	35.149	5.67	4.996					
1600.0	4.856	35.109	5.77	4.716					
1650.0	4.613	35.073	5.84	4.471					
1700.0	4.435	35.048	5.92	4.291					
1750.0	4.291	35.030	5.96	4.144					
1800.0	4.191	35.018	5.98	4.040					
1850.0	4.024	34.993	6.03	3.870					
1900.0	3.920	34.983	6.06	3.764					
1950.0	3.858	34.979	6.06	3.698					
2000.0	3.804	34.976	6.05	3.639					
2050.0	3.744	34.977	6.03	3.576					
2100.0	3.692	34.977	6.04	3.519					
2150.0	3.642	34.978	6.00	3.466					
2200.0	3.596	34.978	5.99	3.415					
2250.0	3.521	34.976	5.96	3.337					
2300.0	3.455	34.975	5.95	3.266					
2350.0	3.410	34.975	5.94	3.218					
2400.0	3.350	34.973	5.93	3.153					
2450.0	3.291	34.971	5.91	3.091					
2500.0	3.244	34.970	5.90	3.040					
2550.0	3.188	34.966	5.90	2.979					
2600.0	3.139	34.965	5.87	2.927					
2650.0	3.091	34.962	5.88	2.875					
2700.0	3.059	34.961	5.86	2.838					
2750.0	3.023	34.959	5.85	2.797					
2800.0	2.985	34.956	5.84	2.755					
2850.0	2.939	34.954	5.83	2.705					
2900.0	2.912	34.951	5.82	2.673					
2950.0	2.878	34.949	5.81	2.635					
3000.0	2.842	34.946	5.79	2.595					



Station 97

Station	: 98	Campagne	: ARCANE 98
Date	: 18-07-98	Navire	: LA THALASSA
Profondeur	: 4571	Organisme	: IFREMER
Position	: N 44 9.89		
	W 17 40.52		

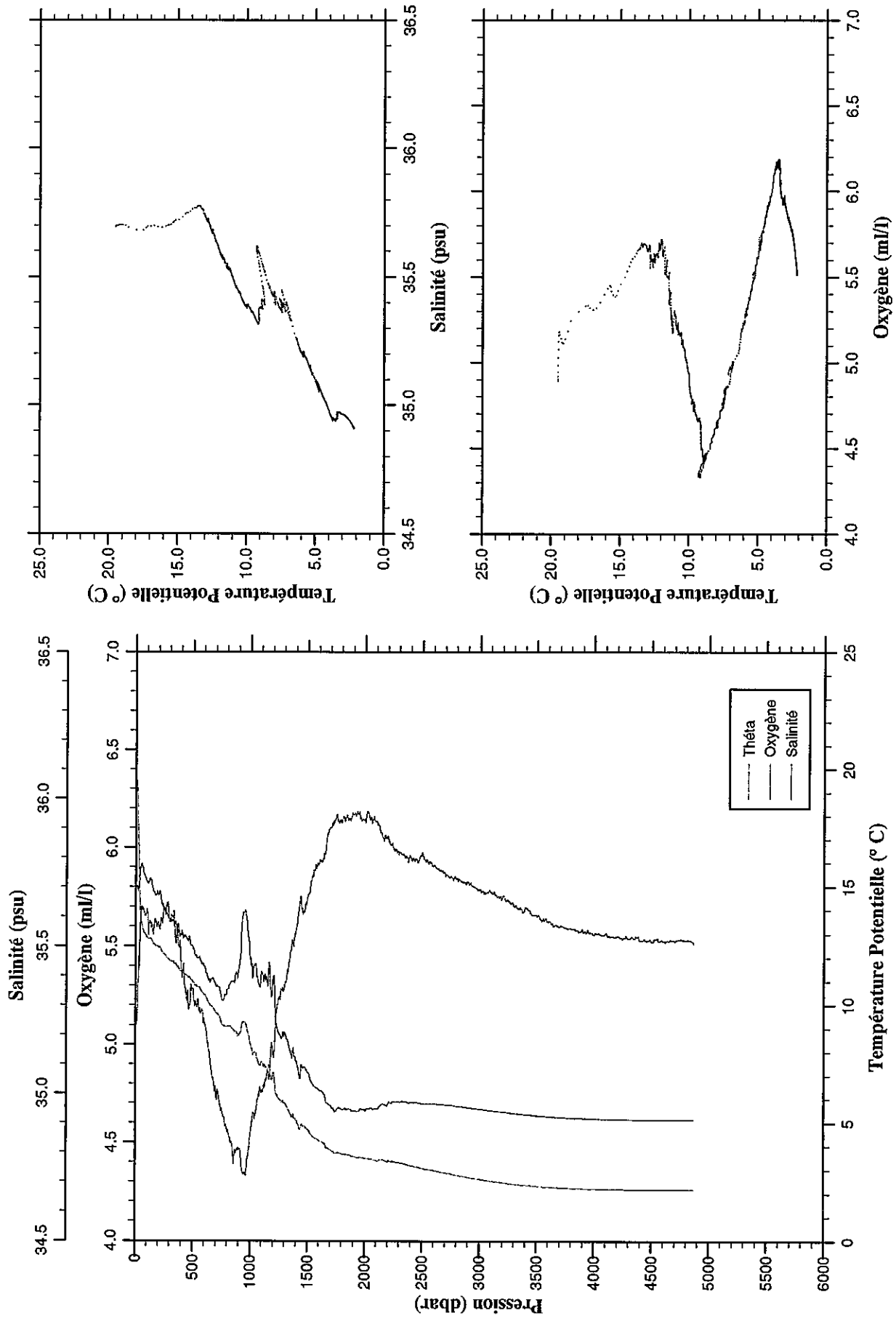
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.925	35.798	5.34	19.925	3050.0	2.829	34.945	5.80	2.577
10.0	19.239	35.791	5.75	19.237	3100.0	2.808	34.943	5.77	2.551
20.0	17.569	35.845	6.05	17.566	3150.0	2.776	34.941	5.76	2.514
30.0	16.761	35.793	5.63	16.756	3200.0	2.752	34.939	5.75	2.486
40.0	14.994	35.765	5.82	14.988	3250.0	2.732	34.937	5.73	2.460
50.0	13.779	35.771	5.88	13.772	3300.0	2.713	34.934	5.71	2.437
100.0	12.982	35.764	5.40	12.968	3350.0	2.694	34.933	5.71	2.413
150.0	12.653	35.726	5.64	12.633	3400.0	2.672	34.931	5.71	2.386
200.0	12.453	35.710	5.48	12.427	3450.0	2.650	34.928	5.67	2.360
250.0	12.170	35.673	5.48	12.137	3500.0	2.635	34.926	5.66	2.339
300.0	11.878	35.630	5.38	11.838	3550.0	2.622	34.925	5.64	2.321
350.0	11.656	35.602	5.21	11.611	3600.0	2.613	34.924	5.63	2.307
400.0	11.444	35.579	5.16	11.393	3650.0	2.607	34.923	5.63	2.295
450.0	11.244	35.556	5.10	11.187	3700.0	2.604	34.921	5.62	2.287
500.0	11.103	35.550	5.04	11.040	3750.0	2.597	34.920	5.61	2.274
550.0	10.944	35.544	4.97	10.875	3800.0	2.592	34.920	5.60	2.264
600.0	10.552	35.485	4.93	10.478	3850.0	2.587	34.919	5.59	2.254
650.0	10.268	35.465	4.85	10.189	3900.0	2.583	34.917	5.60	2.244
700.0	10.086	35.476	4.68	10.001	3950.0	2.581	34.917	5.58	2.236
750.0	9.788	35.483	4.51	9.700	4000.0	2.579	34.916	5.58	2.228
800.0	9.589	35.500	4.46	9.495	4050.0	2.576	34.915	5.58	2.220
850.0	8.839	35.390	4.54	8.744	4100.0	2.574	34.915	5.57	2.212
900.0	9.662	35.653	4.35	9.555	4150.0	2.572	34.914	5.57	2.204
950.0	9.363	35.639	4.38	9.252	4200.0	2.571	34.913	5.56	2.197
1000.0	9.099	35.646	4.42	8.984	4250.0	2.573	34.912	5.56	2.193
1050.0	8.595	35.586	4.58	8.478	4300.0	2.575	34.912	5.55	2.189
1100.0	8.748	35.671	4.56	8.623	4350.0	2.576	34.912	5.56	2.184
1150.0	8.352	35.614	4.68	8.224	4400.0	2.579	34.911	5.55	2.181
1200.0	7.826	35.534	4.80	7.698	4450.0	2.581	34.911	5.55	2.177
1250.0	7.549	35.519	4.88	7.417	4500.0	2.585	34.910	5.54	2.175
1300.0	7.026	35.434	5.06	6.893	4550.0	2.589	34.910	5.54	2.173
1350.0	6.572	35.362	5.20	6.439	4600.0	2.595	34.911	5.54	2.172
1400.0	6.077	35.285	5.37	5.943	4637.0	2.599	34.911	5.53	2.172
1450.0	5.660	35.226	5.51	5.526					
1500.0	5.363	35.182	5.60	5.227					
1550.0	5.012	35.130	5.73	4.875					
1600.0	4.746	35.092	5.83	4.608					
1650.0	4.525	35.061	5.89	4.385					
1700.0	4.372	35.038	5.94	4.228					
1750.0	4.262	35.026	5.97	4.115					
1800.0	4.126	35.008	6.01	3.976					
1850.0	3.953	34.985	6.07	3.800					
1900.0	3.852	34.975	6.10	3.696					
1950.0	3.790	34.972	6.10	3.630					
2000.0	3.769	34.976	6.09	3.605					
2050.0	3.704	34.973	6.06	3.536					
2100.0	3.581	34.958	6.09	3.410					
2150.0	3.571	34.966	6.05	3.395					
2200.0	3.465	34.954	6.09	3.287					
2250.0	3.476	34.967	6.02	3.292					
2300.0	3.439	34.969	5.98	3.251					
2350.0	3.389	34.968	5.96	3.196					
2400.0	3.325	34.968	5.94	3.129					
2450.0	3.276	34.967	5.93	3.076					
2500.0	3.234	34.965	5.95	3.029					
2550.0	3.177	34.964	5.92	2.969					
2600.0	3.141	34.962	5.90	2.929					
2650.0	3.097	34.962	5.87	2.880					
2700.0	3.051	34.959	5.87	2.830					
2750.0	3.012	34.958	5.84	2.786					
2800.0	2.984	34.956	5.84	2.754					
2850.0	2.950	34.953	5.82	2.715					
2900.0	2.912	34.951	5.82	2.674					
2950.0	2.887	34.949	5.80	2.643					
3000.0	2.859	34.947	5.80	2.611					



Station 98

Station	: 99	Campagne	: ARCANE 98
Date	: 18-07-98	Navire	: LA THALASSA
Profondeur	: 4794	Organisme	: IFREMER
Position	: N 44 30.97		
	W 18 4.81		

PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERATURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.510	35.695	4.89	19.510	3050.0	2.838	34.946	5.77	2.586
10.0	19.432	35.700	5.18	19.431	3100.0	2.807	34.943	5.78	2.550
20.0	17.518	35.683	5.33	17.515	3150.0	2.779	34.940	5.75	2.518
30.0	15.637	35.703	5.42	15.632	3200.0	2.757	34.938	5.75	2.491
40.0	14.119	35.756	5.61	14.114	3250.0	2.727	34.936	5.73	2.456
50.0	13.479	35.775	5.70	13.472	3300.0	2.699	34.933	5.70	2.423
100.0	12.881	35.717	5.68	12.868	3350.0	2.680	34.932	5.70	2.399
150.0	12.666	35.691	5.57	12.646	3400.0	2.663	34.930	5.70	2.377
200.0	12.483	35.671	5.60	12.456	3450.0	2.647	34.928	5.66	2.356
250.0	12.194	35.628	5.69	12.161	3500.0	2.632	34.926	5.65	2.336
300.0	11.923	35.584	5.64	11.884	3550.0	2.618	34.924	5.64	2.317
350.0	11.800	35.578	5.52	11.754	3600.0	2.609	34.923	5.62	2.303
400.0	11.478	35.539	5.37	11.426	3650.0	2.596	34.921	5.61	2.284
450.0	11.291	35.522	5.26	11.234	3700.0	2.589	34.920	5.60	2.273
500.0	11.060	35.495	5.29	10.997	3750.0	2.584	34.920	5.60	2.262
550.0	10.850	35.463	5.20	10.781	3800.0	2.580	34.918	5.59	2.252
600.0	10.528	35.432	5.13	10.455	3850.0	2.577	34.917	5.58	2.243
650.0	10.071	35.380	4.93	9.994	3900.0	2.575	34.916	5.57	2.236
700.0	9.761	35.364	4.75	9.678	3950.0	2.572	34.916	5.57	2.227
750.0	9.328	35.322	4.68	9.242	4000.0	2.573	34.915	5.56	2.222
800.0	9.209	35.354	4.55	9.117	4050.0	2.573	34.915	5.56	2.217
850.0	9.081	35.381	4.45	8.984	4100.0	2.573	34.914	5.57	2.211
900.0	8.854	35.424	4.46	8.752	4150.0	2.575	34.913	5.55	2.207
950.0	9.379	35.614	4.35	9.268	4200.0	2.577	34.914	5.55	2.204
1000.0	8.473	35.458	4.53	8.362	4250.0	2.580	34.913	5.54	2.200
1050.0	8.090	35.437	4.65	7.977	4300.0	2.581	34.912	5.54	2.196
1100.0	7.709	35.412	4.76	7.593	4350.0	2.585	34.912	5.54	2.193
1150.0	7.332	35.370	4.86	7.214	4400.0	2.588	34.912	5.53	2.190
1200.0	7.253	35.401	4.94	7.129	4450.0	2.593	34.912	5.53	2.188
1250.0	6.151	35.204	5.24	6.033	4500.0	2.597	34.911	5.53	2.186
1300.0	5.979	35.208	5.29	5.857	4550.0	2.601	34.912	5.53	2.185
1350.0	5.533	35.146	5.47	5.410	4600.0	2.605	34.911	5.53	2.182
1400.0	5.221	35.110	5.58	5.097	4650.0	2.610	34.911	5.53	2.181
1450.0	5.069	35.099	5.69	4.942	4700.0	2.616	34.911	5.53	2.181
1500.0	4.860	35.073	5.75	4.730	4750.0	2.622	34.911	5.54	2.180
1550.0	4.545	35.030	5.86	4.414	4800.0	2.629	34.911	5.53	2.180
1600.0	4.386	35.012	5.93	4.252	4850.0	2.634	34.911	5.52	2.179
1650.0	4.256	34.996	5.97	4.119	4864.0	2.636	34.911	5.51	2.179
1700.0	3.999	34.959	6.10	3.860					
1750.0	3.859	34.942	6.17	3.718					
1800.0	3.835	34.946	6.14	3.689					
1850.0	3.796	34.945	6.14	3.646					
1900.0	3.741	34.943	6.17	3.587					
1950.0	3.686	34.940	6.18	3.528					
2000.0	3.670	34.945	6.14	3.508					
2050.0	3.650	34.951	6.16	3.483					
2100.0	3.584	34.948	6.13	3.413					
2150.0	3.625	34.965	6.06	3.449					
2200.0	3.561	34.964	6.06	3.380					
2250.0	3.566	34.973	5.99	3.381					
2300.0	3.503	34.972	5.98	3.314					
2350.0	3.465	34.973	5.95	3.271					
2400.0	3.400	34.970	5.94	3.203					
2450.0	3.361	34.971	5.94	3.160					
2500.0	3.293	34.965	5.97	3.088					
2550.0	3.259	34.965	5.92	3.049					
2600.0	3.214	34.965	5.91	3.000					
2650.0	3.163	34.964	5.89	2.945					
2700.0	3.122	34.962	5.85	2.900					
2750.0	3.084	34.961	5.85	2.858					
2800.0	3.023	34.958	5.85	2.792					
2850.0	2.993	34.955	5.82	2.758					
2900.0	2.947	34.953	5.82	2.708					
2950.0	2.905	34.950	5.80	2.661					
3000.0	2.871	34.948	5.79	2.623					



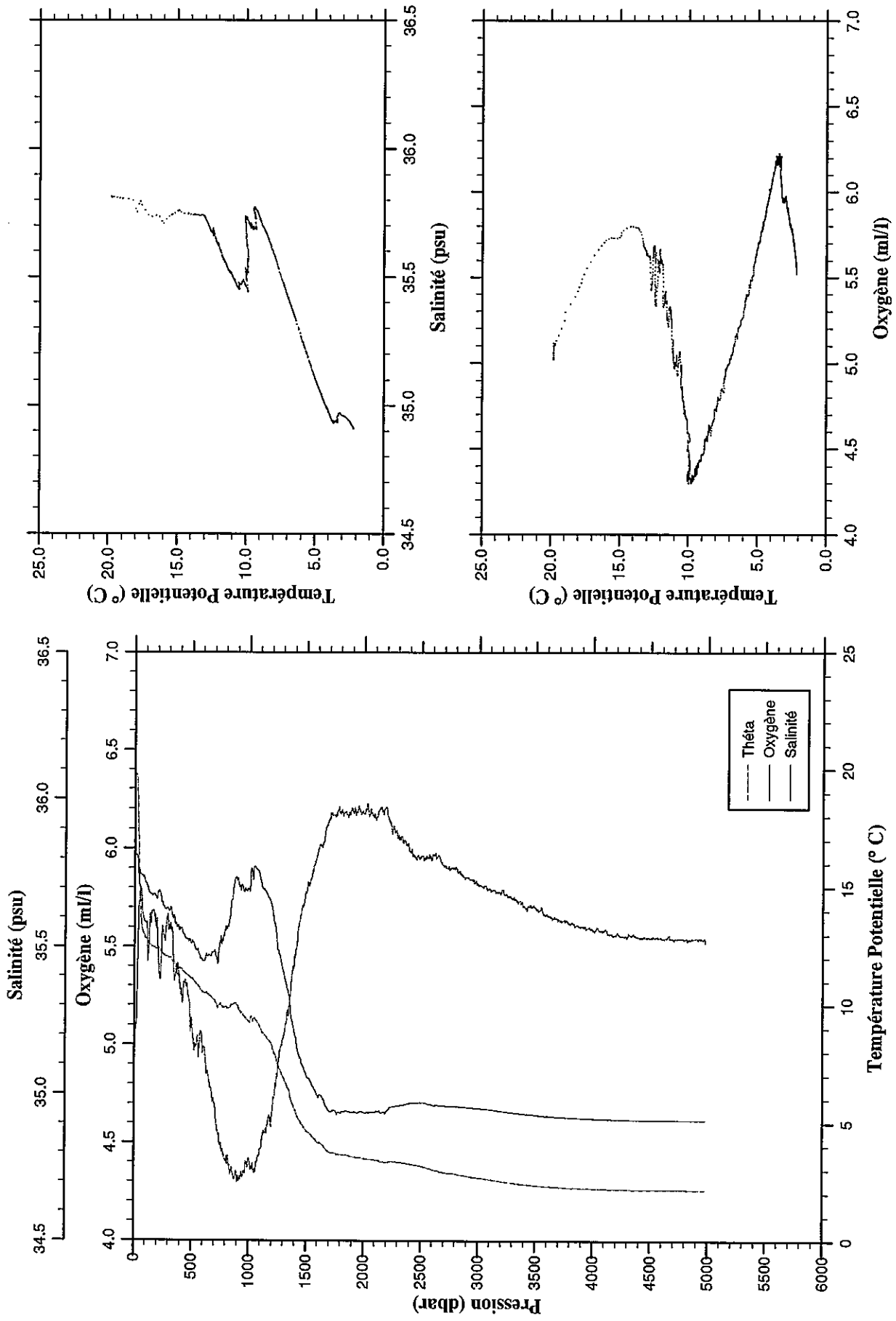
Station 99

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| Station   : 100           Campagne  : ARCANE 98
| Date     : 18-07-98     Navire   : LA THALASSA
| Profondeur : 4892       Organisme : IFREMER
| Position  : N 44 52.46
|           : W 18 29.70
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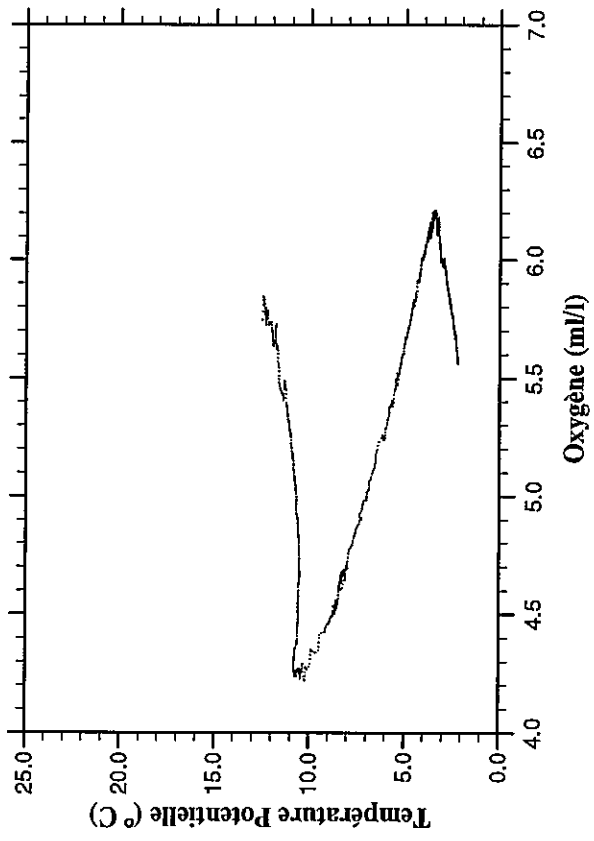
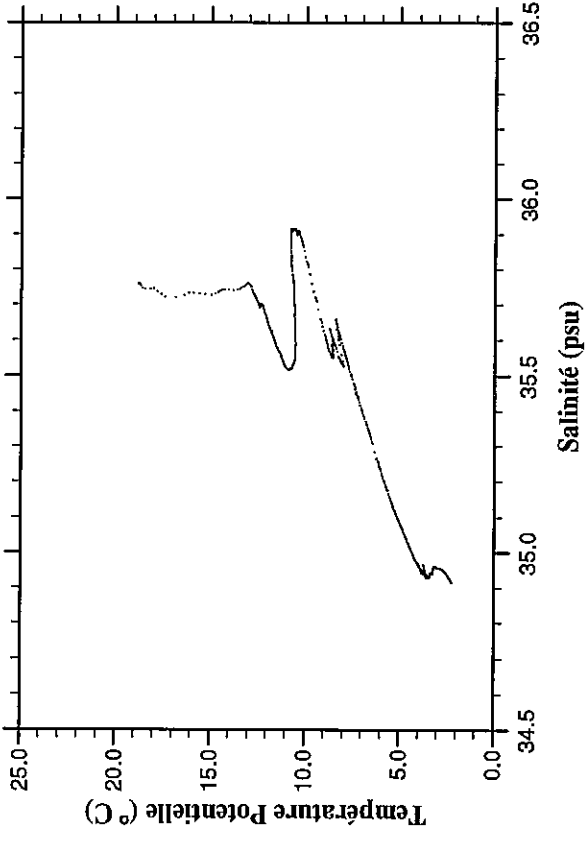
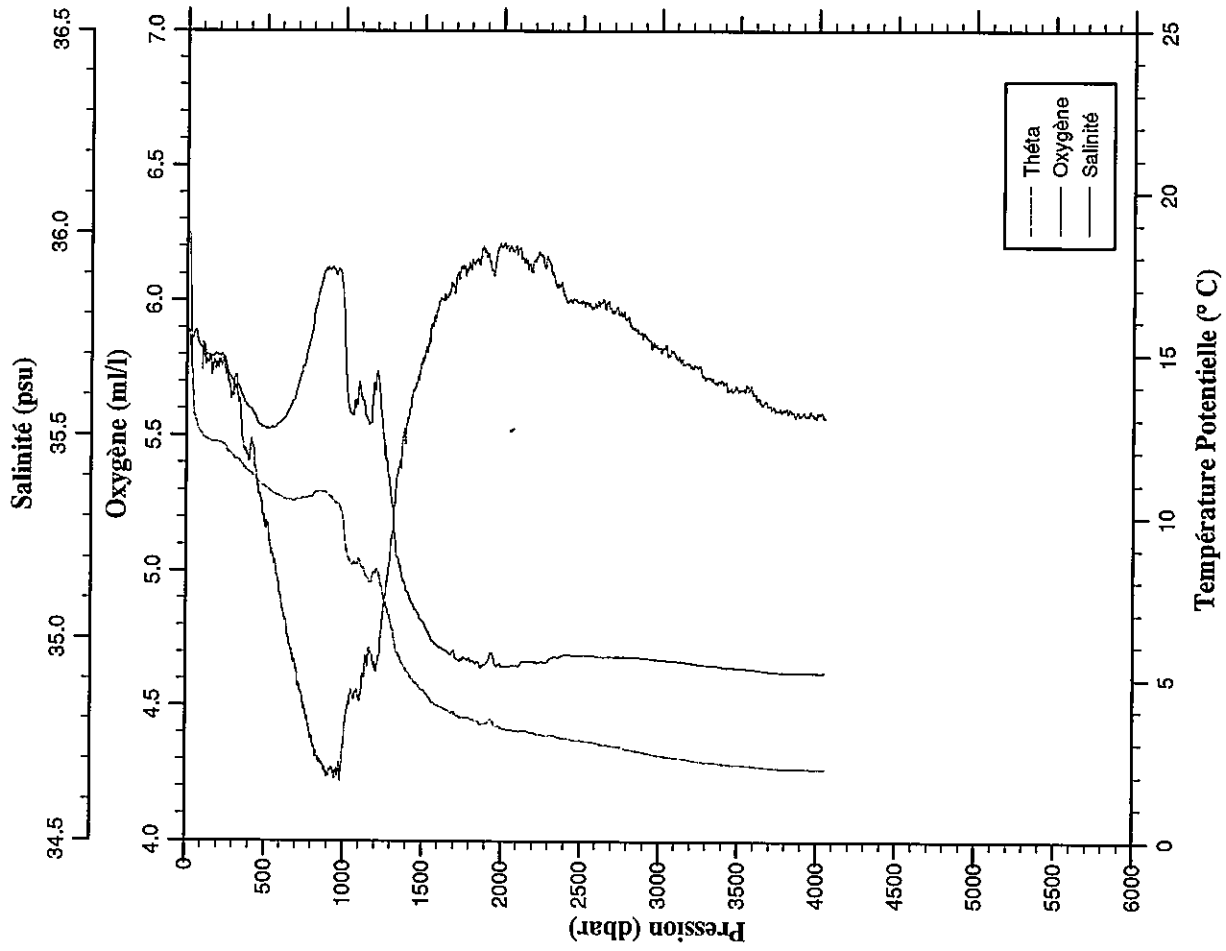
PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	19.803	35.814	5.12	19.802	3050.0	2.902	34.950	5.81	2.648
10.0	19.814	35.814	5.06	19.812	3100.0	2.869	34.948	5.79	2.611
20.0	19.619	35.812	5.13	19.615	3150.0	2.838	34.945	5.78	2.575
30.0	17.731	35.795	5.49	17.726	3200.0	2.809	34.943	5.79	2.541
40.0	15.636	35.736	5.73	15.630	3250.0	2.770	34.940	5.76	2.497
50.0	14.267	35.747	5.80	14.260	3300.0	2.743	34.938	5.75	2.466
100.0	12.894	35.717	5.62	12.880	3350.0	2.720	34.935	5.73	2.439
150.0	12.569	35.677	5.67	12.548	3400.0	2.698	34.933	5.71	2.411
200.0	12.452	35.677	5.56	12.425	3450.0	2.680	34.931	5.70	2.389
250.0	12.215	35.639	5.57	12.182	3500.0	2.666	34.929	5.69	2.369
300.0	12.069	35.623	5.60	12.029	3550.0	2.651	34.927	5.69	2.349
350.0	11.892	35.598	5.33	11.846	3600.0	2.636	34.925	5.66	2.329
400.0	11.627	35.559	5.29	11.575	3650.0	2.625	34.924	5.64	2.312
450.0	11.387	35.528	5.30	11.329	3700.0	2.615	34.923	5.64	2.298
500.0	11.192	35.515	5.12	11.128	3750.0	2.609	34.921	5.63	2.286
550.0	10.937	35.492	5.05	10.868	3800.0	2.600	34.920	5.62	2.272
600.0	10.621	35.451	4.99	10.547	3850.0	2.596	34.919	5.61	2.262
650.0	10.523	35.473	4.82	10.443	3900.0	2.593	34.918	5.61	2.254
700.0	10.301	35.489	4.69	10.216	3950.0	2.591	34.917	5.59	2.246
750.0	10.136	35.521	4.49	10.045	4000.0	2.587	34.917	5.58	2.237
800.0	10.036	35.570	4.41	9.939	4050.0	2.586	34.916	5.58	2.230
850.0	10.103	35.658	4.37	10.000	4100.0	2.585	34.916	5.59	2.223
900.0	10.089	35.735	4.30	9.979	4150.0	2.583	34.914	5.57	2.215
950.0	9.663	35.690	4.35	9.549	4200.0	2.584	34.914	5.56	2.210
1000.0	9.410	35.692	4.42	9.293	4250.0	2.585	34.914	5.56	2.205
1050.0	9.550	35.773	4.35	9.426	4300.0	2.587	34.913	5.56	2.201
1100.0	9.105	35.723	4.47	8.977	4350.0	2.589	34.913	5.56	2.197
1150.0	8.777	35.681	4.57	8.646	4400.0	2.592	34.913	5.55	2.194
1200.0	8.409	35.631	4.64	8.275	4450.0	2.595	34.912	5.55	2.191
1250.0	7.555	35.489	4.87	7.423	4500.0	2.599	34.912	5.55	2.189
1300.0	7.070	35.414	5.04	6.938	4550.0	2.604	34.912	5.55	2.187
1350.0	6.548	35.332	5.20	6.415	4600.0	2.609	34.912	5.54	2.186
1400.0	5.694	35.195	5.44	5.565	4650.0	2.614	34.911	5.56	2.185
1450.0	5.191	35.115	5.66	5.063	4700.0	2.618	34.911	5.53	2.183
1500.0	4.807	35.060	5.78	4.678	4750.0	2.622	34.911	5.54	2.180
1550.0	4.562	35.028	5.88	4.431	4800.0	2.627	34.911	5.54	2.179
1600.0	4.302	34.991	5.99	4.169	4850.0	2.632	34.911	5.54	2.177
1650.0	4.185	34.982	6.04	4.048	4900.0	2.638	34.911	5.54	2.176
1700.0	3.919	34.944	6.15	3.781	4950.0	2.645	34.910	5.53	2.177
1750.0	3.876	34.943	6.16	3.734	4974.0	2.647	34.911	5.52	2.176
1800.0	3.781	34.934	6.19	3.636					
1850.0	3.791	34.942	6.17	3.641					
1900.0	3.722	34.937	6.19	3.569					
1950.0	3.684	34.935	6.22	3.526					
2000.0	3.658	34.936	6.17	3.495					
2050.0	3.624	34.937	6.18	3.458					
2100.0	3.595	34.938	6.15	3.424					
2150.0	3.533	34.935	6.21	3.358					
2200.0	3.529	34.943	6.19	3.349					
2250.0	3.552	34.957	6.10	3.367					
2300.0	3.531	34.960	6.06	3.341					
2350.0	3.503	34.964	6.04	3.308					
2400.0	3.470	34.968	5.99	3.272					
2450.0	3.429	34.970	5.95	3.226					
2500.0	3.382	34.970	5.96	3.175					
2550.0	3.322	34.968	5.96	3.111					
2600.0	3.251	34.962	5.97	3.036					
2650.0	3.195	34.962	5.97	2.976					
2700.0	3.128	34.960	5.92	2.905					
2750.0	3.106	34.959	5.90	2.879					
2800.0	3.078	34.958	5.90	2.846					
2850.0	3.035	34.957	5.86	2.799					
2900.0	2.998	34.955	5.86	2.758					
2950.0	2.955	34.953	5.84	2.710					
3000.0	2.931	34.952	5.81	2.681					



Station 100

Station	: 101	Campagne	: ARCANE 98
Date	: 19-07-98	Navire	: LA THALASSA
Profondeur	: 3927	Organisme	: IFREMER
Position	: N 45 59.08		
	W 16 35.88		

PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.	PRESSION	TEMPERA- TURE	SALINITE	OXYGENE DISSOUS	TEMP. POTENT.
dbar	deg.cels.	psu	ml/l	deg.cels.	dbar	deg.cels.	psu	ml/l	deg.cels.
1.0	18.791	35.759	****	18.791	3050.0	2.865	34.947	5.80	2.612
10.0	18.787	35.757	****	18.785	3100.0	2.845	34.945	5.79	2.587
20.0	18.037	35.745	****	18.033	3150.0	2.819	34.944	5.77	2.557
30.0	14.976	35.728	****	14.971	3200.0	2.778	34.941	5.76	2.511
40.0	14.061	35.742	****	14.055	3250.0	2.740	34.938	5.76	2.469
50.0	13.146	35.757	****	13.139	3300.0	2.721	34.935	5.72	2.445
100.0	12.548	35.710	5.75	12.534	3350.0	2.712	34.935	5.70	2.431
150.0	12.370	35.696	5.78	12.350	3400.0	2.680	34.931	5.70	2.394
200.0	12.323	35.698	5.76	12.297	3450.0	2.667	34.930	5.68	2.375
250.0	12.194	35.679	5.74	12.160	3500.0	2.669	34.930	5.67	2.372
300.0	11.883	35.625	5.69	11.843	3550.0	2.656	34.928	5.69	2.354
350.0	11.701	35.602	5.55	11.656	3600.0	2.632	34.925	5.66	2.325
400.0	11.441	35.568	5.41	11.390	3650.0	2.610	34.923	5.61	2.298
450.0	11.188	35.532	5.32	11.131	3700.0	2.580	34.919	5.61	2.264
500.0	10.992	35.518	5.17	10.930	3750.0	2.582	34.919	5.60	2.259
550.0	10.828	35.519	5.06	10.759	3800.0	2.573	34.917	5.60	2.245
600.0	10.710	35.533	4.90	10.635	3850.0	2.576	34.918	5.58	2.242
650.0	10.616	35.565	4.75	10.536	3900.0	2.579	34.917	5.58	2.240
700.0	10.638	35.614	4.64	10.551	3950.0	2.583	34.917	5.58	2.238
750.0	10.660	35.676	4.49	10.566	4000.0	2.584	34.917	5.58	2.233
800.0	10.758	35.768	4.39	10.657	4049.0	2.586	34.917	5.56	2.229
850.0	10.901	35.868	4.30	10.793					
900.0	10.809	35.911	4.24	10.694					
950.0	10.552	35.898	4.26	10.433					
1000.0	9.797	35.758	4.34	9.677					
1050.0	8.683	35.553	4.55	8.565					
1100.0	8.791	35.623	4.52	8.666					
1150.0	8.226	35.538	4.65	8.100					
1200.0	8.405	35.621	4.64	8.271					
1250.0	7.692	35.498	4.86	7.559					
1300.0	6.749	35.343	5.12	6.620					
1350.0	5.839	35.185	5.39	5.713					
1400.0	5.349	35.114	5.55	5.223					
1450.0	5.024	35.073	5.69	4.897					
1500.0	4.795	35.043	5.78	4.666					
1550.0	4.494	35.004	5.91	4.363					
1600.0	4.300	34.981	6.00	4.167					
1650.0	4.188	34.970	6.01	4.052					
1700.0	4.118	34.967	6.04	3.978					
1750.0	3.938	34.946	6.13	3.796					
1800.0	3.915	34.949	6.12	3.768					
1850.0	3.844	34.942	6.15	3.693					
1900.0	3.765	34.937	6.16	3.610					
1950.0	3.797	34.952	6.12	3.638					
2000.0	3.628	34.930	6.20	3.466					
2050.0	3.583	34.932	6.21	3.417					
2100.0	3.561	34.933	6.19	3.390					
2150.0	3.566	34.944	6.14	3.391					
2200.0	3.514	34.942	6.15	3.335					
2250.0	3.460	34.944	6.17	3.277					
2300.0	3.436	34.948	6.14	3.248					
2350.0	3.400	34.954	6.07	3.207					
2400.0	3.359	34.961	6.01	3.162					
2450.0	3.320	34.960	6.01	3.119					
2500.0	3.300	34.960	6.00	3.094					
2550.0	3.271	34.960	5.99	3.061					
2600.0	3.233	34.958	5.99	3.019					
2650.0	3.177	34.955	5.98	2.959					
2700.0	3.153	34.956	5.96	2.930					
2750.0	3.133	34.956	5.96	2.906					
2800.0	3.073	34.955	5.93	2.841					
2850.0	3.028	34.955	5.90	2.792					
2900.0	2.980	34.953	5.88	2.740					
2950.0	2.933	34.951	5.83	2.688					
3000.0	2.900	34.950	5.83	2.651					



Station 101