

**COOPERATION FRANCO-INDONESIENNE**

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Pusat Penelitian Dan Pengembangan  
Oseanologi ( P3O -LIPI )  
Centre for Oceanological Research  
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**Recueil des Données**

de la campagne

**MD 71 / JADE 92**

à bord du "MARION DUFRESNE"

19 février - 23 mars 1992

Volume 1 : Hydrologie

(listing des stations et diagrammes correspondants)

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## RAPPORT PRELIMINAIRE SUR LA CAMPAGNE

### JADE 92

réalisée à bord du "MARION DUFRESNE"  
navire des Terres Australes et Antarctiques Françaises

19 février - 23 mars 1992

Michèle Fieux, Chef de Mission

#### 1 - Objectifs Scientifiques

La région des mers indonésiennes est la zone de convection atmosphérique la plus importante du globe; ceci est la conséquence de températures de surface de la mer exceptionnellement élevées ( $>28^{\circ}\text{C}$ ). Or cette zone est aussi la zone de connexion intertropicale entre l'océan Pacifique et l'océan Indien et le siège d'un flux de chaleur important. Une anomalie dans cette zone entraîne de fortes modifications climatiques aussi bien locales que globales comme le montrent les études théoriques du système couplé océan-atmosphère qui mettent en relief l'importance de cette zone.

Afin d'étudier le transport de masse et de chaleur entre l'océan Pacifique et l'océan Indien, le programme JADE (Java Australia Dynamic Experiment) a été proposé en 1987.

En raison de la forte variabilité saisonnière de la circulation atmosphérique dans cette région due au système de moussons, deux types d'approches expérimentales ont été abordées : un suivi continu de la circulation dans le chenal le plus profond (chenal de Timor) à l'aide de lignes de mouillage et des campagnes hydrologiques incluant des mesures de traceurs, aux 2 saisons opposées.

La campagne JADE 92 à bord du Marion Dufresne, effectuée pendant la fin de la mousson d'Ouest, fait suite à la première campagne JADE 89, réalisée en août 1989 pendant la mousson d'Est, à bord du même navire des Terres Australes et Antarctiques Françaises.

Un accord spécifique à la campagne JADE 92 a été signé entre le Laboratoire

d'Océanographie Dynamique et de Climatologie et le BPPT (Ministère de la Recherche et de la Technologie Indonésien) en février 92. Cet accord inclut la participation de scientifiques indonésiens pendant la campagne et est considérablement élargi par rapport à celui de 1989 : le navire indonésien Baruna Jaya 1 participe à la couverture hydrologique des détroits parallèlement au Marion Dufresne qui a eu cette fois-ci l'autorisation de travailler dans les eaux territoriales indonésiennes.

## **2 - Opérations réalisées**

- Le trajet de la campagne et la position des différentes stations sont indiqués sur la Figure 1 (voir liste des stations Table 1). La Figure 2 présente le détail des stations dans les chenaux indonésiens dont plusieurs ont été répétées .

- Un profileur de courant acoustique à effet Doppler installé en octobre 91 sur la coque du Marion Dufresne, co-financé par les TAAF et l'INSU, a été utilisé afin de mesurer les profils de courant en continu. Cependant, le navire étant léger, la qualité des résultats a été réduite lors des quelques jours de mauvais temps.

- La bathysonde utilisée est une bathysonde Neil Brown Mark III, acquise en 1986, associée à une rosette de prélèvement General Oceanics ; 12 bouteilles Niskin de 12 litres, General Oceanics, ont été prêtées par l'INSU (Brest) ; 4 bouteilles neuves identiques ont été acquises par le LODYC, ce qui a permis de choisir les meilleures 12 bouteilles.

154 palanquées à 12 niveaux de prélèvement ont été effectuées, en 51 stations : toutes les stations dépassant 2000 m comportaient au-moins 3 palanquées pour obtenir une discrétisation correcte de toute la colonne d'eau (36 niveaux) ; afin de mesurer la variabilité à court terme, certaines stations dans les chenaux ont été répétées jusqu'à 12 fois en 48 heures.

- Les analyses prévues sur les échantillons d'eau sont les suivantes :

- \* oxygène : analysé à bord,
- \* TCO<sub>2</sub> et alcalinité : analysés à bord,
- \* pCO<sub>2</sub> : mesures (air et eau) réalisées à bord en continu de même que le pH,
- \* CFC F11 et F12, analysés à bord,
- \* salinité : mesures faites à bord sur un salinomètre Guildline Portasal,
- \* phosphates, nitrates et silicates : échantillons congelés, analysés ultérieurement au COM-Marseille,
- \* hélium-3 : échantillons prélevés dans des tubes de cuivre et analysés ultérieurement au LGI,

\* néodyme : 30 prélèvements de 5 ou 10 litres réalisés sur 4 stations pour analyse au Laboratoire LA MOUETTE, Toulouse.

- Les mesures de salinité et d'oxygène seront utilisées pour étalonner la sonde Neil Brown.

En outre, des mesures de température et de salinité de surface ont été enregistrées pendant toute la campagne (thermosalinographe), ainsi que des mesures météorologiques faites par les officiers à la passerelle toutes les heures.

- Deux mouillages de courantométrie ont été installés sur le seuil de la fosse de Timor pour 13 mois. Ils comportent chacun 1 profileur acoustique à effet Doppler (ADCP - SC 150 KHz) en tête, situé vers 250 m de profondeur, et un largeur acoustique Oceano Instruments. Le mouillage M1, mouillé sur le seuil par 1895 m comprend, sous le Doppler, 5 courantomètres MORS et 3 courantomètres Aanderaa (Figure 3) ; le mouillage M2, mouillé par 1197 m comprend, sous le Doppler, 4 courantomètres MORS et 2 courantomètres Aanderaa ; sur chaque bord du chenal, un largeur-marégraphe MORS a été installé : à 140 m de profondeur près de l'île Roti et à 225 m près de Hibernia reef, au bord du plateau continental australien. Tous ces appareils devraient être récupérés à l'aide du navire indonésien Baruna Jaya 1 en 1993.

Une bathymétrie préalable très détaillée a été réalisée avant la mise en place des mouillages afin de définir les meilleurs lieux de mouillages.

Des filtrations d'air ont été réalisées du 1er au 23 mars pour le CFR de Gif sur Yvette.

Une palanquée a été effectuée pour analyse de l'Iode 129 .

### **3 - Déroulement des opérations**

Nous avons embarquer dès l'arrivée du Marion Dufresne à Port-Hedland le 17 février au matin afin d'installer le matériel qui avait déjà été distribué dans les locaux correspondants par le bord.

Pendant l'escale de Port-Hedland, un ingénieur de RDI (USA) est venu vérifier le bon fonctionnement des 2 ADCP prévus pour les mouillages.

Un ingénieur de chez MORS (France) s'est également déplacé pour changer plusieurs pièces sur les courantomètres MORS neufs qui nous ont été livrés sans avoir subi tous les tests nécessaires : malgré cette intervention 2 appareils n'ont pas fonctionné.

Nous avons appareillé de Port-Hedland le 19 février 1992 à 11h30 en direction de Bali.

La première station s'est déroulée dès 15h, sur le plateau continental australien : celle-ci a permis à la fois de tester l'acquisition de la sonde CTD-O<sub>2</sub>, le fonctionnement de la rosette et la non-contamination en CFC des bouteilles de prélèvement. En ce qui concerne les analyses de CFC, deux personnes avaient embarqué dès le transit La Réunion-Port Hedland afin d'implanter au mieux la chaîne d'analyse et d'équiper et décontaminer les bouteilles GO. Ceci s'est avéré indispensable.

La première section fermant le passage entre l'Australie et l'Indonésie a été réalisée entre le 19 février et le 3 mars (29 stations soient 74 palanquées). Au cours de cette section nous avons dû rejoindre Port-Hedland le 21 février pour débarquer un membre de l'équipage ; le 28 février nous avons subi, sans dégâts, le cyclone IAN qui nous a aussi retardés de 24 heures.

La rosette General Oceanic du LODYC fonctionnait bien en surface mais a présenté fréquemment des doubles déclenchements ou des déclenchements sans retour sur l'appareil de bord. N'ayant que 3 capteurs de pression et 2 thermomètres sur les bouteilles il a été parfois difficile de retrouver à quels niveaux les bouteilles s'étaient fermées. Nous avons utilisé des pièces de la rosette de l'INSU mais les mêmes dysfonctionnements ont continué.

L'escale de Banyuwangi s'est déroulée du 3 au 5 mars.

Cinq scientifiques indonésiens et un officier de liaison ont embarqué le 4 mars.

Ayant encore 2 courantomètres MORS neufs en panne, nous avons demandé qu'un ingénieur vienne les remettre en état à Banyuwangi. MORS s'est contenté de faire parvenir 3 cartes CPU par le représentant du Territoire. Nous avons dû les installer nous-mêmes. Une seule des cartes a permis de remettre en fonctionnement un appareil.

Nous avons dû attendre la fin des formalités (passeports) pour pouvoir appareiller le 5 mars à 16 heures.

Les stations 25, 27 et 29 ont été effectuées après l'escale ainsi qu'une répétition de la palanquée de surface de la station 24 (mauvais fonctionnement de la rosette le 2 mars).

Nous avons réalisé une bathymétrie détaillée du seuil de Timor pendant 48 heures (voir carte bathymétrique figure 14) avant d'implanter les mouillages M1, M2, M3 et M4, tout en effectuant des sections de courant avec le profileur Doppler de coque. Nous avons eu de nouveau un problème avec un appareil MORS : un des marégraphes-largueurs était en panne et nous avons réussi à le dépanner *in extremis* en utilisant un élément du courantomètre hors d'usage (l'horloge du marégraphe ne fonctionnant pas, les batteries avaient été complètement déchargées au cours du test chez MORS).

Une fois choisis les emplacements des grands mouillages, leurs implantations se sont très bien déroulées les 10 et 11 mars. Les marégraphes-largueurs ont été installés sur des tripodes construits à bord et placés sur un disque servant de lest afin que le marégraphe ne bouge pas. La difficulté fut de trouver une zone relativement plane entre 150m et 250m .

Le travail d'hydrologie et de prélèvements rosette a repris sur 7 stations dans le chenal de Timor, dont les 3 plus profondes ont été répétées pendant 48 heures afin d'estimer la variabilité due à la marée. Entre le chenal de Timor et le chenal de Roti la station 33 de JADE 89 a été réoccupée dans le but d'échantillonner une station plus éloignée du seuil et de vérifier si la situation trouvée en 92 n'était pas due à une position différente par rapport au seuil. Dans le chenal de Roti, 4 stations ont été effectuées avec répétitions et sections Doppler ; au cours de la station 41-1, le navire indonésien Baruna Jaya 1 nous a rejoint et les 5 scientifiques indonésiens y ont embarqué pour assurer la répétition des stations occupées dans les chenaux et d'une section, plus à l'Est, dans la mer de Timor . Dans le chenal de Savu, 5 stations ont été effectuées avec répétitions et section Doppler. Dans le dernier chenal de Sumba, 4 stations ont été effectuées après positionnement selon la bathymétrie qui nous était totalement inconnue: les 3 stations du Nord ont été répétées pendant 24 heures et 4 sections Doppler ont été réalisées. La chronologie des opérations dans les chenaux est indiquée sur la Figure 4.

Nous avons rejoint à nouveau le Baruna Jaya 1 en rade de Waingapu le 19 mars au matin , à bord duquel nous avons discuté avec nos collègues indonésiens de nos résultats préliminaires respectifs. Les sections présentent la même structure mais les valeurs absolues sont un peu différentes. Il faudra étalonner les sondes entre elles.

Nous avons quitté Waingapu le 20 mars à 18h30 pour rejoindre Port-Hedland le 23 mars à 9h. Nous avons débarqué le 24 mars à 8h45.

#### 4 - Quelques résultats préliminaires

A partir des données brutes de la bathysonde les coupes de salinité et d'oxygène ont été tracées à bord. Les Figures 5a et 5b présentent la situation observée sur la section Australie-Bali avec un front en profondeur très marqué vers 13°S séparant l'eau Centrale de l'Océan Indien et l'eau de la mer de Banda, situation très semblable à celle qui avait été rencontrée en 1989. L'eau centrale présente un maximum d'oxygène et de F11 et F12. Dans la partie nord de la coupe, entre 300 et 700 m, l'eau équatoriale indienne était présente (minimum d'oxygène, maximum relatif de salinité, teneurs relativement élevées en F12 et F11). Les diagrammes theta-S et theta-O<sub>2</sub> des stations situées au sud de la section, dans la zone de l'eau centrale indienne, au centre, dans la zone de l'eau de la mer de Banda et au nord, dans la zone influencée par l'eau équatoriale indienne, sont

présentés sur la Figure 6.

Dans les détroits, les Figures 7, 8, 9 et 10 présentent les coupes de salinité et d'oxygène : contrairement à la situation de 1989, la distribution des caractéristiques est la même sur toute la largeur du chenal avec un minimum de salinité vers 50m-150m et parfois un maximum de salinité de subsurface associé à un maximum d'oxygène vers 25m-50m. Les salinités rencontrées dans le chenal de Timor sont plus élevées (jusqu'à 34.8) de 0m à 60m que dans tous les autres chenaux. Dans le chenal de Sumba (le plus nord) apparaît en profondeur, collée au bord nord, entre 400m et 700m, la continuité de la masse d'eau équatoriale indienne avec un maximum relatif de salinité ( $>34.6$ ) associé à un minimum d'oxygène ( $< 2$  ml/l) et associé à des teneurs relativement plus élevées en F11 et F12. Les diagrammes theta-S et theta-O<sub>2</sub> représentatifs de chaque chenal sont présentés sur la Figure 11.

Les profils de salinité, de température et d'oxygène de la station 34, répétée douze fois en 48 heures, sur le bord sud du chenal de Timor, montrent une forte variabilité particulièrement au niveau de la thermocline ( Figure 12). Les profils de salinité de la station 32, répétée douze fois en 36 heures, sur le bord nord du chenal de Timor, indiquent une plus forte variabilité que sur le bord sud (Figure 13) .

En dehors des quatre jours perturbés par la présence du cyclone "Ian", les vents étaient faibles, toujours inférieurs à 6-7 noeuds, de secteur nord-ouest à sud-ouest.

## 5 - Bilan technique

La rosette du LODYC est à revoir entièrement, ainsi que celle de l'INSU. Nous avons trop souvent eu des doubles déclenchements en profondeur, alors qu'en surface tout se passait correctement. Il est nécessaire de l'envoyer en révision chez General Oceanics et d'en acquérir une autre.

La sonde Neil Brown (acquise en 1986) semble avoir bien fonctionné autant qu'on puisse en juger à bord avant les étalonnages.

Le système de navigation GPS fonctionne maintenant 24h sur 24h; il a été indispensable au moment de la bathymétrie et du largage des mouillages.

La chaîne de coulométrie nouvellement implantée à bord semble avoir donné pleine satisfaction.

La chaîne d'analyse des CFC a donné de très bons résultats. Elle était installée dans un conteneur spécial à l'avant, loin des sources possibles de contamination. Les bouteilles de prélèvement de 12 l ont été équipées de ressorts en remplacement du caoutchouc central (risque d'absorption des CFC) et les joints toriques préalablement étuvés dans une étuve à vide embarquée.

Equipement MORS : Nous avons acquis pour la campagne JADE dix courantomètres et deux marégraphes-largueurs MORS pour acheter du matériel français qu'on nous avait promis opérationnel. Nous avons été de déboires en déboires. Nous attendions avec impatience la récupération de mouillages de l'INSU comportant ces courantomètres en avril-mai 91, mais, malheureusement, ils n'ont pu être récupérés à temps avant notre commande. Ensuite, le test d'intercomparaison réalisé par l'IFREMER en juillet 91 a montré que les courantomètres MORS ne mesuraient pas les courants élevés! Les tests en bassin à l'IFREMER en octobre 91 ont décelé que les directions n'étaient pas bonnes non plus à faibles vitesses. Enfin, les tests de janvier 92, après modifications des supports de rotors et de girouettes, ont montré que l'horloge s'arrêtait fin janvier! La campagne commençant le 16 février de Port-Hedland, il a fallu changer toutes ces pièces sur les 10 appareils partis de France en novembre. Deux appareils sont restés hors service ; l'un des deux a pu être dépanné à Banyuwangi quelques jours avant la mise à l'eau. Quant aux marégraphes, un des deux ne fonctionnait pas ; son horloge ne s'étant pas arrêtée à la fin des tests en usine les piles étaient épuisées. Nous avons réussi au dernier moment, à le remettre en état avec un quartz du courantomètre hors d'usage.

Pour conclure, il est tout à fait inadmissible que des appareils soit-disant de série soient vendus sans avoir subi les tests nécessaires à la vérification de leur bon fonctionnement. Les campagnes à la mer sont très longues à organiser, leur financement difficile à obtenir et la négligence de fournisseurs tel que MORS risque d'anéantir les résultats de campagnes si coûteuses. Nous resterons inquiets jusqu'au relevage des appareils en 1993.

## 6 - Remerciements

Cette campagne n'aurait pu avoir lieu sans le soutien constant des Terres Australes et Antarctiques Françaises qui ont mis le Marion Dufresne à notre disposition (seul navire permettant de réaliser ce programme) et de l'INSU(CNRS) qui nous a permis d'acquérir le matériel de courantométrie.

L'accueil chaleureux que le Commandant C.Loudes et son équipage nous ont réservé, leur efficacité et leur générosité dans le travail ont largement contribué à la réussite de cette campagne.

Nous sommes particulièrement reconnaissants à B.Ollivier des TAAF d'avoir, entre autres tâches, avec l'aide de F.X. Saury, pris en charge l'installation et la mise en oeuvre de l'ADCP de coque.

Fait à bord , le 23 mars 1992

Equipes participantes :**CTD + salinité + courantométrie + CFC**

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MESSIAS Marie-José	LGI/LODYC	CFC
TERNON Jean-François	ORSTOM (Brest)	CFC

**Oxygène + TCO<sub>2</sub> (coulométrie) + alcalinité  
PCO<sub>2</sub> eau et air., pH en continu (surface)**

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**Nutritifs (phosphates, nitrates et silicates)**

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**Helium-3**

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PLOUZENNEC Gaëlle	étudiante	Helium
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Table 1

Station	Date	Prof.atteinte	Latitude	Longitude	Fond
<b>Section Australie-Java (Banyuwangui)</b>					
1-1	19/02/92	5 m	19°39,61S	118°22,15E	30m
1-2	19/02/92	10m	19°39,81S	118°22,96E	34m
2-1	19/02/92	70m	19°11,48S	118°12,47E	83m
3-1	20/02/92	120m	18°42S	118°05E	150m
4-1	20/02/92	270m	18°23,11S	117°58,66E	292m
5-1	20/02/92	715m	18°03,97S	117°53,53E	760m
6-1	20/02/92	1750m	17°44,45S	117°48,10E	1800m He
6-2	20/02/92	302m	17°43,70S	117°47,97E	1800m He
7-1	20/02/92	2750m	17°25,12S	117°41,84E	2820m
7-2	20/02/92	1200m	17°25,25S	117°41,77E	2820m
7-3	20/02/92	300m	17°25,45S	117°42,69E	2797m
8-1	21/02/92	3380m	17°06,12S	117°35,85E	3450m He
	21/02/92	retour à Port-Hedland			
8-2	22/02/92	1700m	17°05,87S	117°35,67E	3450m He
8-3	22/02/92	300m	17°06,03S	117°35,60E	3450m
9-1	22/02/92	3450m	16°46,55S	117°30,68E	3510m
9-2	22/02/92	1500m	16°47,02S	117°28,78E	3510m
9-3	22/02/92	300m	16°46,39S	117°30,76E	3510m
10-1	23/02/92	5600m	16°18,44S	117°22,07E	5685m He
10-2	23/02/92	1500m	16°18,05S	117°22,16E	5685m He
10-3	23/02/92	300m	16°18,12S	117°22,10E	5700m
10-4	23/02/92	3000m	16°17,99S	117°22,14E	5700m Nd
11-1	23/02/92	5615m	15°49,00S	117°13,50E	5677m
11-2	23/02/92	1500m	15°45,91S	117°12,11E	5677m
11-3	24/02/92	300m	15°49,12S	117°13,57E	5677m
11-4	24/02/92	1300m	15°49,36S	117°14,07E	5677m
12-1	24/02/92	5600m	15°20,47S	117°05,61E	5680m He
12-2	24/02/92	1500m	15°21,25S	117°04,28E	5680m He
12-3	24/02/92	300m	15°20,95S	117°04,95E	5680m
13-1	24/02/92	5500m	14°53,14S	117°57,69E	5677m
13-2	25/02/92	1500m	14°53,84S	116°57,83E	5677m
13-3	25/02/92	300m	14°53,49S	116°57,22E	5677m
14-1	25/02/92	5577m	14°24,68S	116°49,04E	5677m
14-2	25/02/92	1500m	14°23,74S	116°48,38E	5677m
14-3	25/02/92	300m	14°24,17S	116°48,20E	5677m
15-1	26/02/92	5670m	13°55,24S	116°39,60E	5677m He
15-2	25/02/92	1500m	13°55,24S	116°39,52E	5677m He
15-3	25/02/92	300m	13°56,45S	116°40,41E	5677m
16-1	26/02/92	5570m	13°26,05S	116°30,92E	5677m
16-2	26/02/92	1500m	13°26,50S	116°30,80E	5655m
16-3	26/02/92	300m	13°26,47S	116°30,28E	5655m
17-1	26/02/92	5412m	12°58,00S	116°22,73E	5512m
17-2	27/02/92	1500m	12°57,15S	116°21,92E	5512m
17-3	27/02/92	300m	12°58,22S	116°22,09E	5512m
18-1	27/02/92	5000m	12°27,46S	116°12,34E	5145m He
18-2	27/02/92	1500m	12°26,75S	116°12,88E	5152m He
18-3	27/02/92	300m	12°29,57S	116°12,36E	5154m
19-1	27/02/92	5200m	11°58,18S	116°06,05E	5325m
19-2	28/02/92	1500m	11°59,67S	116°04,47E	5310m
19-3	28/02/92	300m	11°58,73S	116°04,65E	5332m
	28/02/92	Passage du cyclone tropical "Ian"			

20-1	29/02/92	5350m	11°30,50S	115°56,54E	5475m Nd
20-2	29/02/92	1500m	11°28,98S	115°57,89E	5400m Nd
20-3	29/02/92	300m	11°30,50S	115°56,00E	5500m
21-2	29/02/92	1500m	11°04,75S	115°48,77E	5840m He
21-3	29/02/92	300m	11°05,20S	115°48,00E	5840m
21-1	01/03/92	5800m	11°02,0S	115°56,5E	5840m He
22-1	01/03/92	3000m	10°43,03S	115°41,38E	3100m
22-2	01/03/92	1300m	10°42,94S	115°41,53E	3037m
22-3	01/03/92	300m	10°43,37S	115°42,67E	3090m
23-1	01/03/92	3400m	10°24S	115°36,89E	3480m
23-2	01/03/92	1500m	10°23,16S	115°36,30E	3382m
23-3	01/03/92	300m	10°23,46S	115°35,72E	3465m
24-1	02/03/92	4300m	10°04,20S	115°30,17E	4350m
24-2	02/03/92	1500m	10°04,54S	115°30,01E	4350m
24-3	02/03/92	300m	10°04,41S	115°29,95E	4350m
26-1	02/03/92	4000m	9°26,30S	115°18,63E	4060m
26-2	02/03/92	4060m	9°26,66S	115°18,99E	4060m
26-3	02/03/92	300m	9°25,88S	115°17,36E	4065m
28-1	02/03/92	1807m	9°01,46S	115°16,72E	1837m
28-2	02/03/92	300m	9°00,85S	115°13,87E	1687m
	03-05/03/92	Escale à Banyuwangi (Java Est)			
29-1	05/03/92	597m	8°57,16S	115°14,34E	655m
27-1	06/03/92	2178m	9°07,83S	115°12,69E	2175m
27-2	06/03/92	385m	9°07,44S	115°12,89E	2197m
25-1	06/03/92	4200m	9°45,5S	115°24,5E	4305m
25-2	07/03/92	1500m	9°45,39S	115°24,45E	4310m
25-3	07/03/92	300m	9°45,45S	115°24,80E	4312m
24-4	07/03/92	300m	10°04,69S	115°30,00E	4350m

**Chenal de Timor**

	08-09/03/92	Bathymétrie			
	10/03/92	Mouillage M1 par 1895m avec ADCP			
	10/03/92	Mouillage M3 avec Marégraphe au large de l'île de Roti par 156m			
	11/03/92	Mouillage M2 par 1197m			
30-1	11/03/92	213m	11°03,90S	122°51,18E	238m
31-1	11/03/92	514m	11°04,84S	122°52,73E	510m
32-1	11/03/92	1194m	11°09,88S	122°55,12E	1220m
32-2	11/03/92	286m	11°09,81S	122°54,97E	1215m
33-1	11/03/92	1885m	11°15,02S	122°57,54E	1912m He
33-2	12/03/92	298m	11°14,70S	122°58,68E	1860m He
32-3	12/03/92	50m	11°09,32S	122°55,93E	1125m
32-4	12/03/92	1100m	11°09,54S	122°56,13E	1405m
32-5	12/03/92	1140m	11°07,73S	122°56,20E	1325m
32-6	12/03/92	941m	11°09,25S	122°25,70E	1080m
32-7	12/03/92	1182m	11°07,92S	122°56,81E	1350m
32-8	12/03/92	889m	11°07,24S	122°56,53E	990m
34-1	12/03/92	1162m	11°23,00S	123°02,96E	1195m
34-2	12/03/92	286m	11°23,00S	123°02,50E	1195m
35-1	12/03/92	803m	11°31,04S	123°05,13E	835m
36-1	12/03/92	491m	11°40,09S	123°10,05E	532m
37-1	12/03/92	310m	11°45,01S	123°11,98E	360m
	12/03/92	Mouillage M4 avec Marégraphe sur le bord du plateau continental			
Australien par 225m de fond					
32-9	13/03/92	1160m	11°10,21S	122°56,29E	1200m
32-10	13/03/92	1009m	11°09,64S	122°55,52E	1050m
32-11	13/03/92	1070m	11°09,85S	122°55,41E	1125m
32-12	13/03/92	1142m	11°09,44S	122°55,84E	1237m
33-3	13/03/92	1926m	11°14,00S	122°58,50E	1920m
33-4	13/03/92	1877m	11°13,85S	122°58,01E	1912m

33-5	13/03/92	1864m	11°14,29S	122°58,31E	1950m
33-6	13/03/92	1782m	11°13,51S	122°56,76E	1882m
33-7	13/03/92	1908m	11°12,88S	122°58,88E	1950m
34-3	13/03/92	1175m	11°23,04S	123°02,50E	1195m
34-4	13/03/92	1170m	11°23,06S	123°07,50E	1195m
34-5	13/03/92	1165m	11°22,92S	123°02,50E	1185m
34-6	13/03/92	250m	11°22,94S	123°01,48E	1185m
34-7	13/03/92	1185m	11°23,00S	123°02,50E	1185m
34-8	13/03/92	1200m	11°24,19S	123°00,59E	1200m
34-9	13/03/92	1215m	11°22,46S	123°02,71E	1215m
34-10	13/03/92	1222m	11°21,93S	123°03,06E	1215m He
34-11	13/03/92	1185m	11°23,26S	123°02,54E	1185m
34-12	13/03/92	250m	11°23,48S	123°02,03E	1185m
38-1(89)	14/03/92	495m	11°10,50S	122°35,75E	585m

**Chenal Roti - Savu**

39-1	14/03/92	635m	10°44,33S	122°27,55E	675m
40-1	14/03/92	975m	10°40,51S	122°17,09E	990m
40-2	14/03/92	986m	10°39,16S	122°18,50E	1000m
41-1	14/03/92	985m	10°37,23S	122°08,83E	1010m
41-2	14/03/92	995m	10°36,73S	122°08,92E	1015m
42-1	14/03/92	545m	10°34,76S	122°04,68E	570m
40-3	15/03/92	980m	10°40,94S	122°17,98E	995m
40-4	15/03/92	930m	10°41,10S	122°17,99E	990m
40-5	15/03/92	982m	10°40,69S	122°17,64E	997m
41-3	15/03/92	1170m	10°37,80S	122°09,88E	1185m He
41-4	15/03/92	1117m	10°37,00S	122°09,98E	1147m
41-5	15/03/92	1187m	10°36,04S	122°10,12E	1207m He

**Chenal Savu - Sumba**

43-1	16/03/92	447m	10°09,64S	121°04,25E	472m
44-1	16/03/92	765m	10°11,99S	121°09,42E	790m
44-2	16/03/92	765m	10°12,07S	121°09,41E	790m
44-3	16/03/92	770m	10°11,89S	121°09,00E	810m
45-1	16/03/92	1240m	10°16,64S	121°19,60E	1290m He
45-2	16/03/92	1332m	10°16,41S	121°19,51E	1357m He
46-1	16/03/92	885m	10°23,00S	121°34,35E	900m
46-2	16/03/92	885m	10°22,78S	121°34,37E	900m
46-3	16/03/92	847m	10°22,65S	121°33,61E	892m
47-1	16/03/92	370m	10°27,92S	121°47,57E	390m
44-4	17/03/92	768m	10°12,01S	121°09,12E	788m
46-4	17/03/92	888m	10°23,20S	121°33,86E	900m

**Chenal Sumba - Flores**

48-1	17/03/92	730m	08°59,21S	120°15,91E	745m
49-1	17/03/92	815m	09°05,22S	120°14,96E	830m
49-2	17/02/92	737m	09°03,34S	120°13,60E	787m He
50-1	17/03/92	700m	09°14,95S	120°13,93E	735m
48-2	18/03/92	725m	08°59,09S	120°15,56E	750m
48-3	18/03/92	735m	08°59,21S	120°16,02E	745m
49-3	18/03/92	811m	09°05,08S	120°14,71E	836m Nd
49-4	18/03/92	795m	09°05,23S	120°15,10E	825m He
49-5	18/03/92	820m	09°05,08S	120°14,92E	840m He
50-2	18/03/92	740m	09°14,87S	120°13,78E	750m
50-3	18/03/92	728m	09°14,91S	120°13,85E	740m
50-4	18/03/92	705m	09°15,12S	120°13,70E	735m
50-5	18/03/92	715m	09°15,08S	120°13,66E	735m
51-1	18/03/92	435m	09°21,74S	120°13,03E	450m
	19-20/03/92				
	23/03/92				

Escale à Waingapu (Sumba)

Fin de la campagne à Port Hedland (Australie)

### Légende des figures

- Figure 1** : Trajet de la campagne JADE 92 et position des différentes stations.
- Figure 2** : Carte des stations dans les chenaux indonésiens.
- Figure 3** : Schémas des mouillages M1 et M2.
- Figure 4** : Chronologie des opérations dans les chenaux.
- Figure 5** : Section Australie-Bali (salinité et oxygène)
- Figure 6** : Theta-S et Theta-O<sub>2</sub> des stations 7, 15, 18 et 28
- Figure 7** : Section Australie-Timor (salinité et oxygène)
- Figure 8** : Section Roti-Savu (salinité et oxygène)
- Figure 9** : Section Savu-Sumba (salinité et oxygène)
- Figure 10** : Section Sumba-Flores (salinité et oxygène)
- Figure 11** : Theta-S et Theta-O<sub>2</sub> dans chaque chenal.
- Figure 12** : Profils répétés de salinité, oxygène et température de la station 34
- Figure 13** : Profils répétés de salinité de la station 32
- Figure 14** : Bathymétrie détaillée du seuil de Timor avec positions des 2 mouillages profonds.

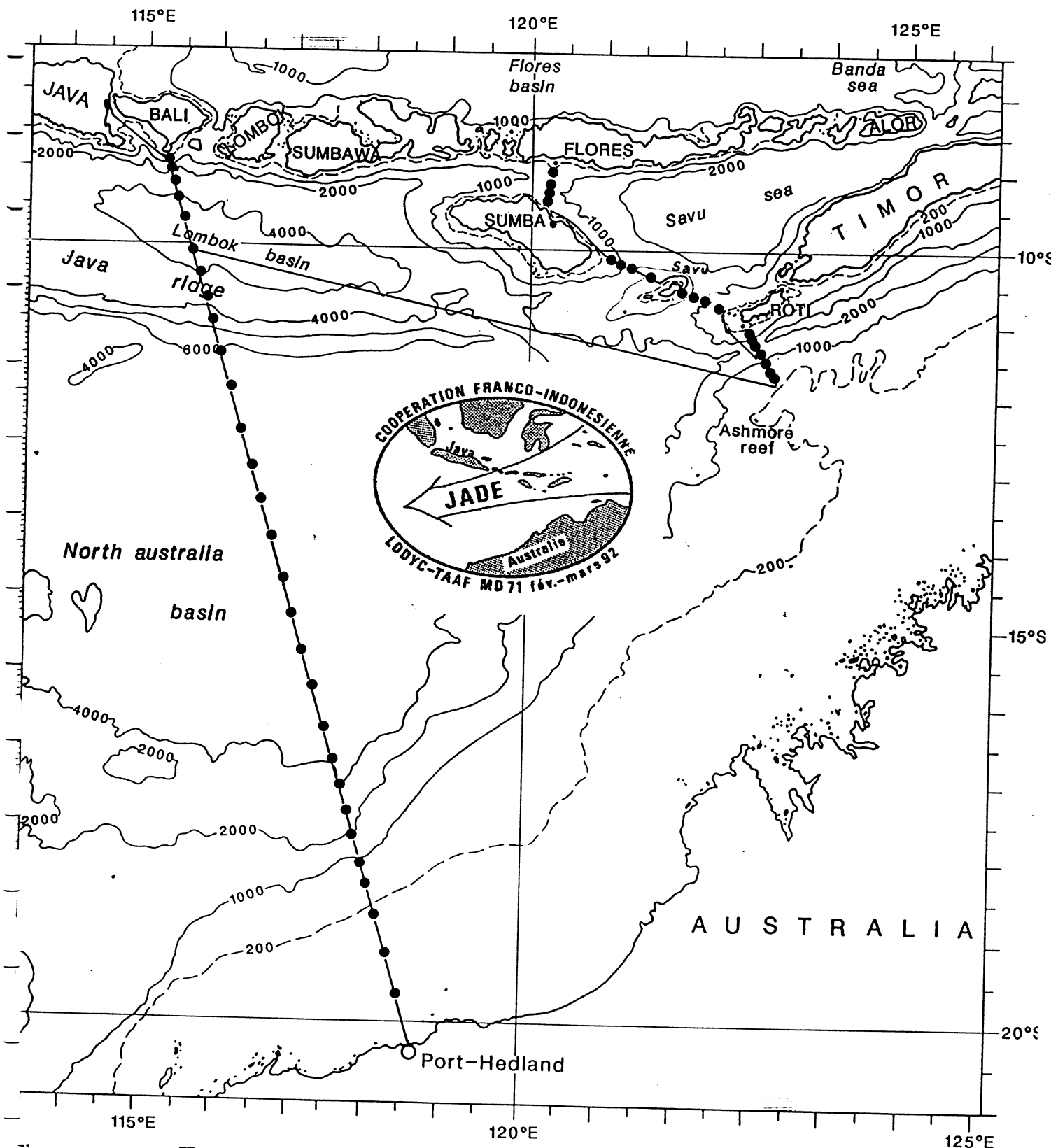


Figure 1 Trajet de la campagne Jade et position des différentes stations.

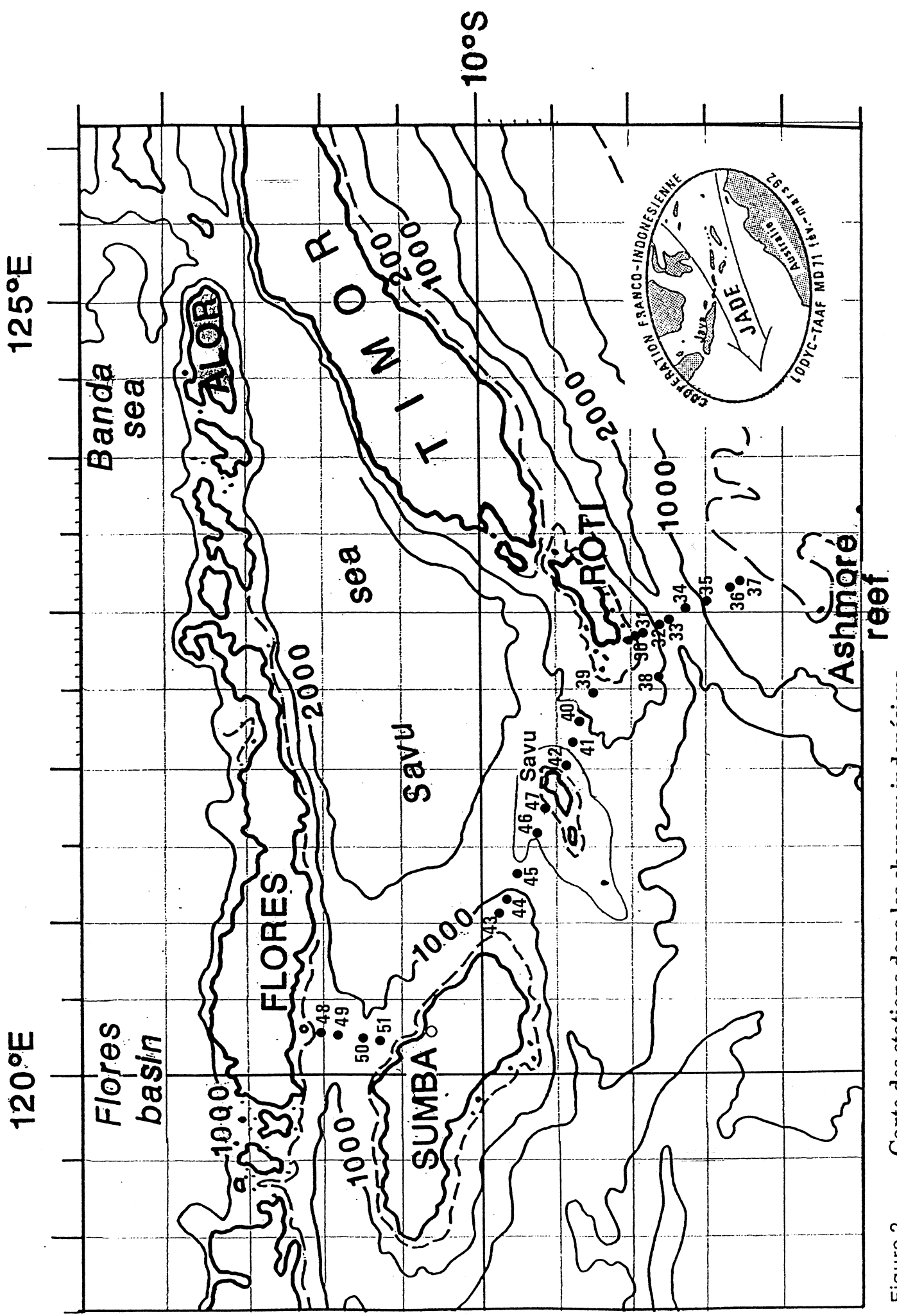
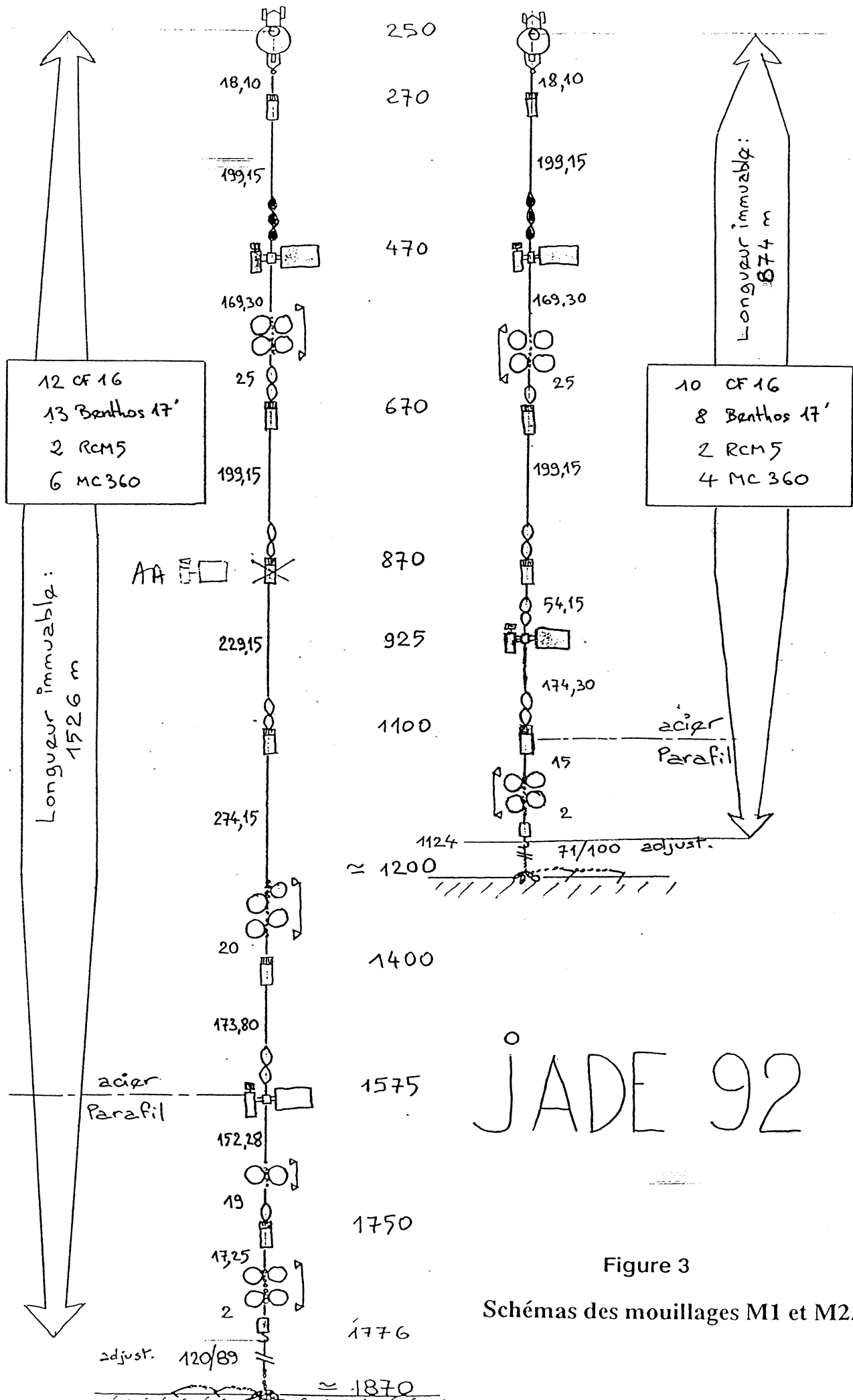


Figure 2 Carte des stations dans les chenaux indonésiens.

M1

M2



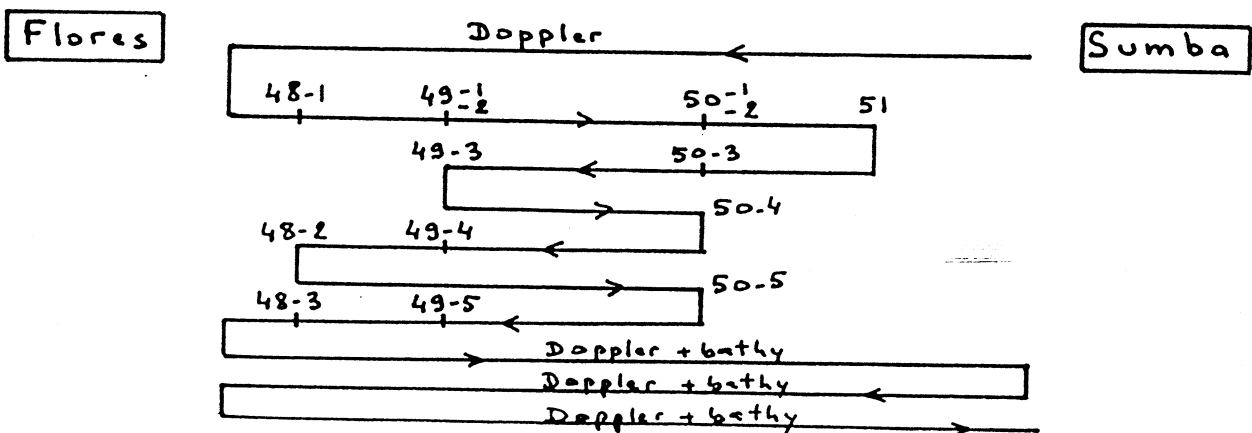
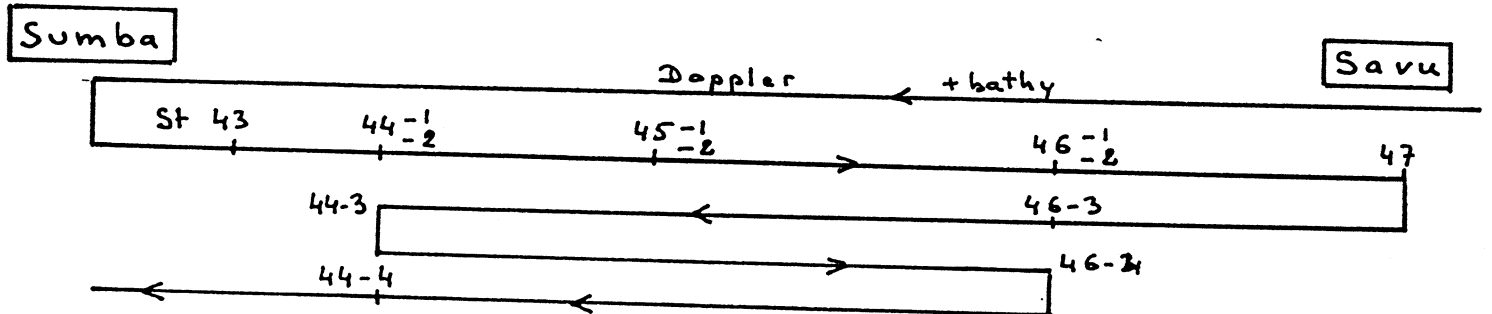
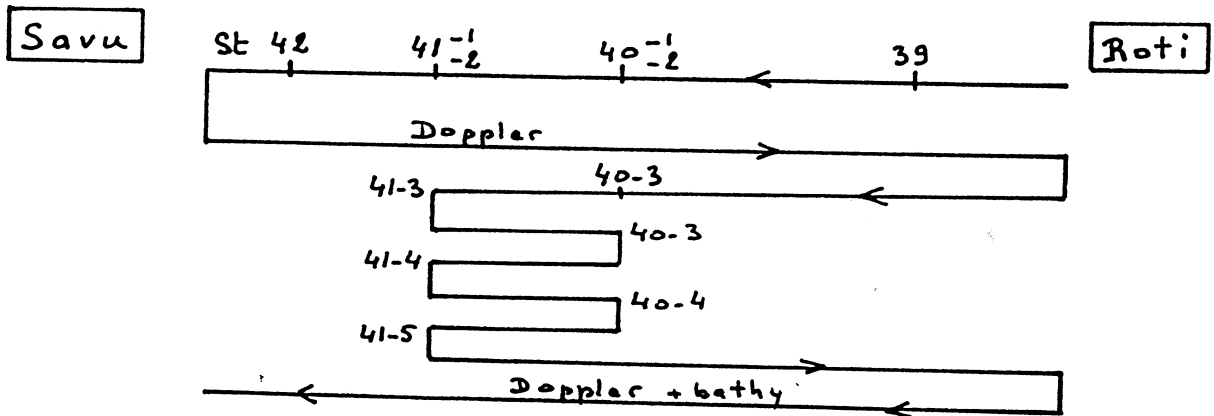
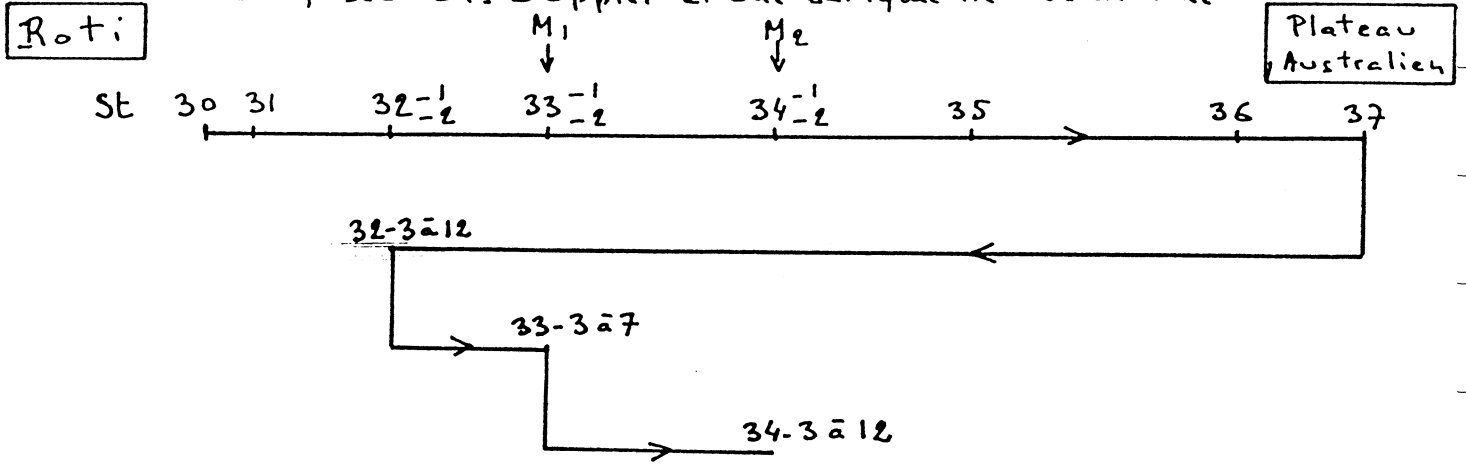
# JADE 92

Figure 3

Schémas des mouillages M1 et M2.

Figure 4 Chronologie des opérations dans les chenaux.

cing sections Doppler et une bathymétrie très détaillée



PLAN DE REPETITION DES STATIONS DANS LES CHENAUX



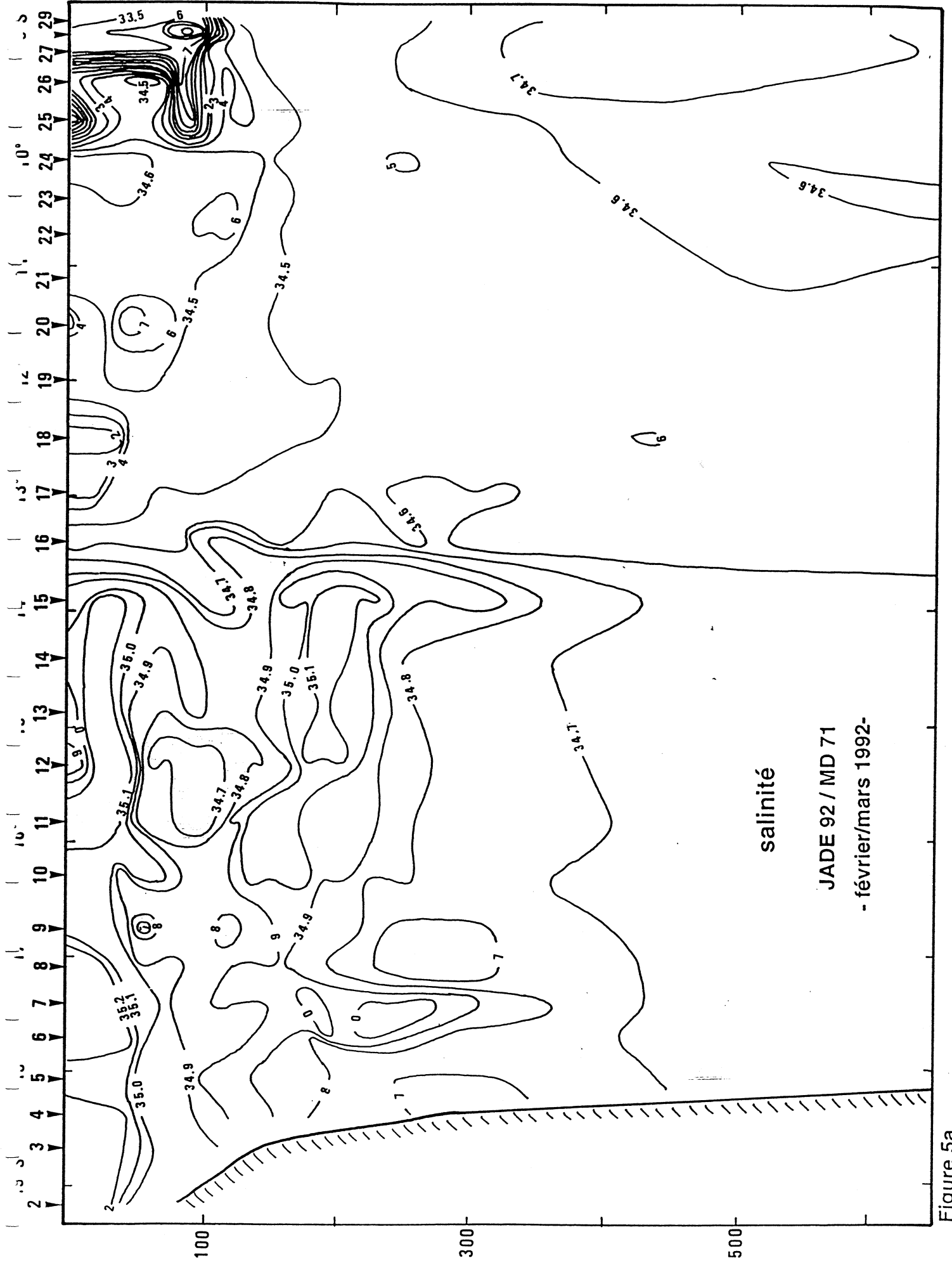
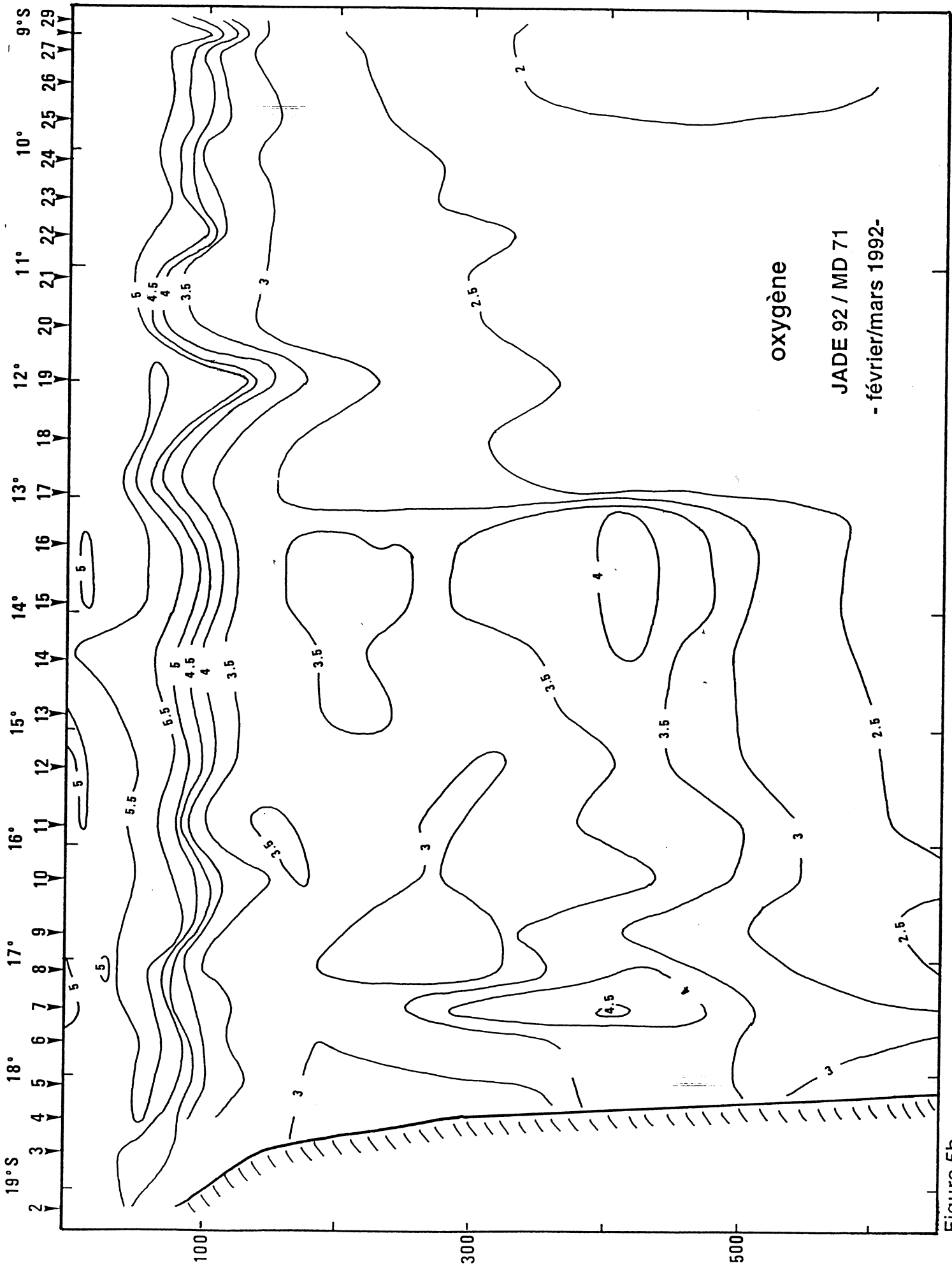


Figure 5a



oxygène

JADE 92 / MD 71

- février/mars 1992-

Figure 5b

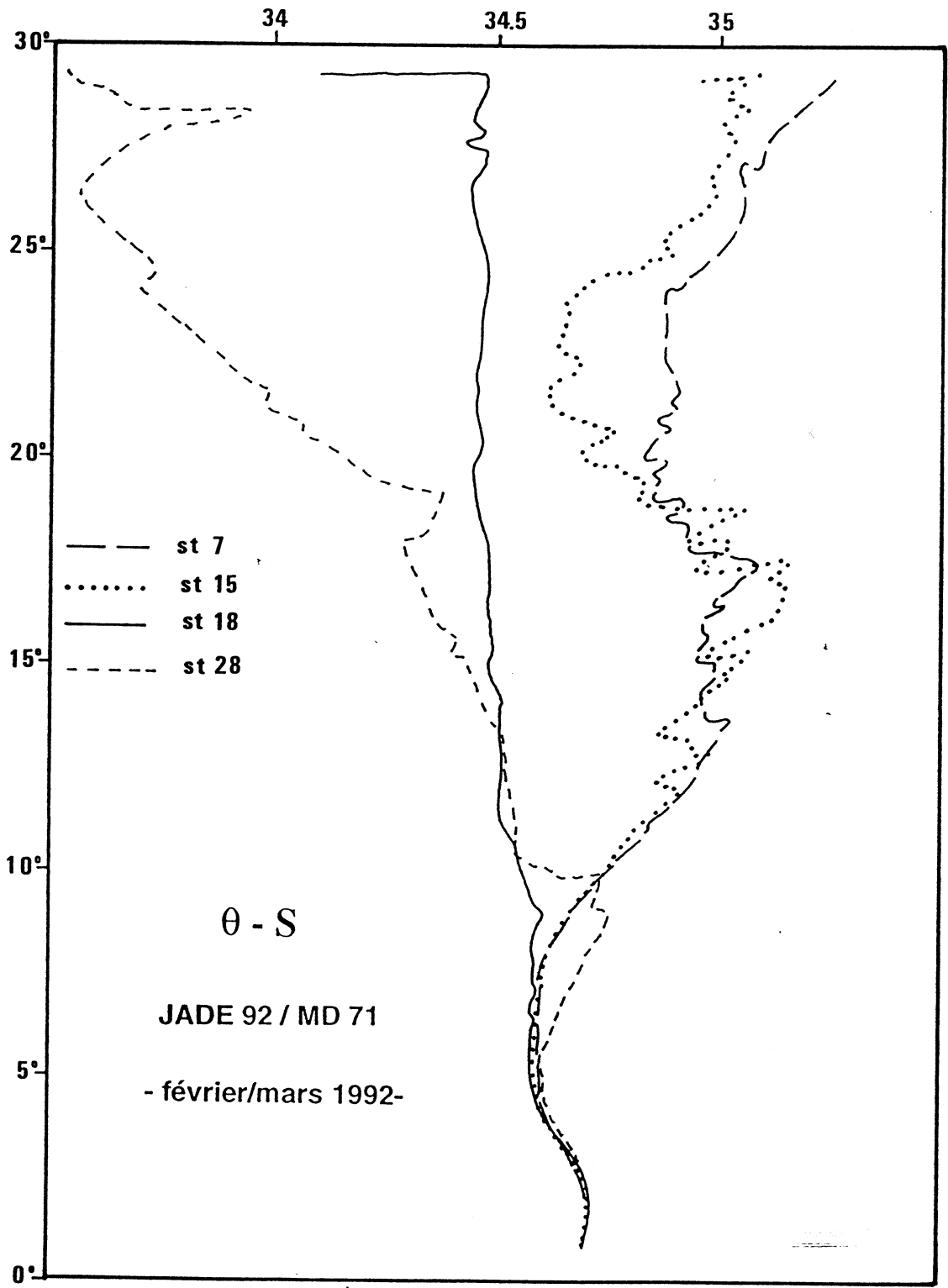


Figure 6a

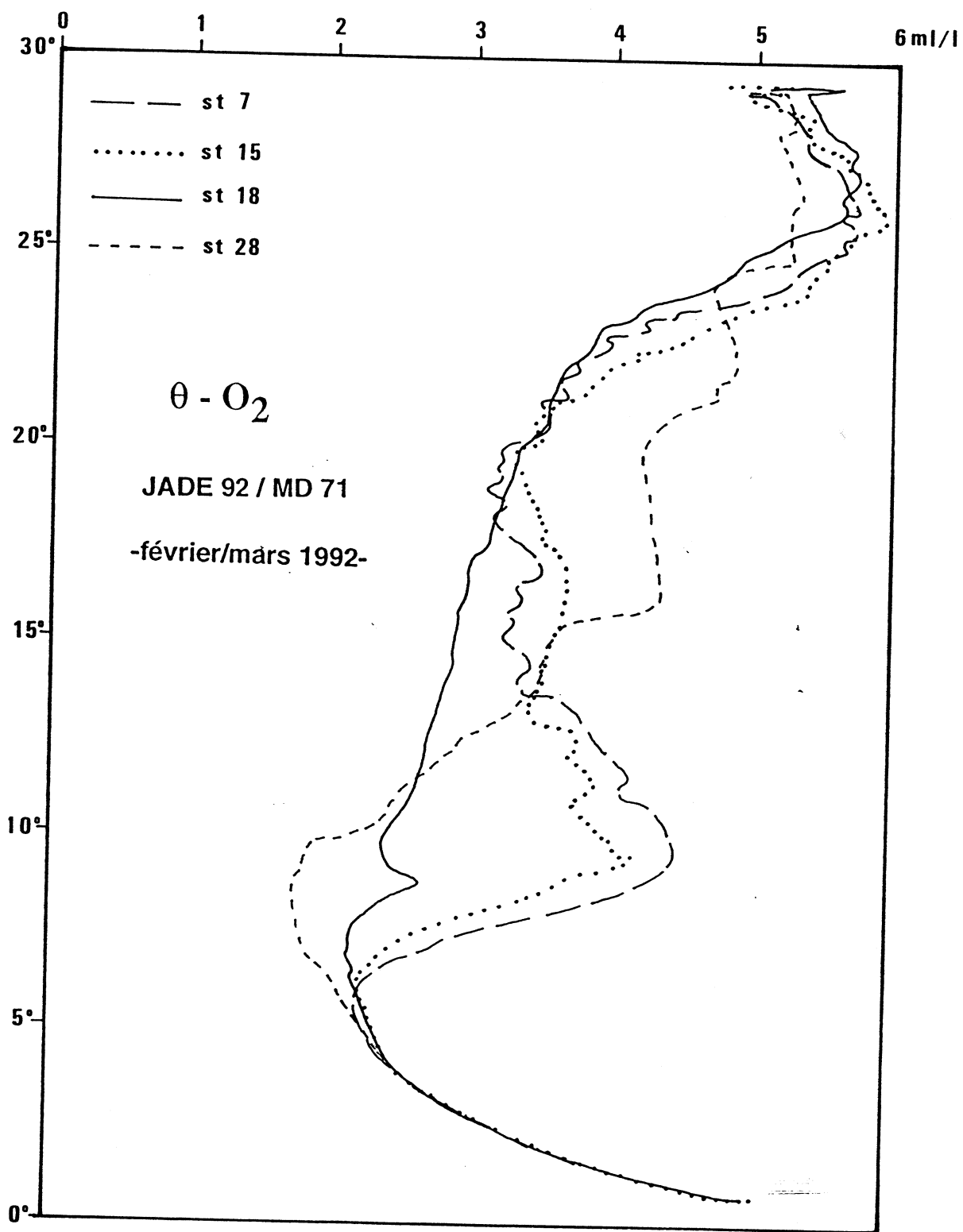


Figure 6b

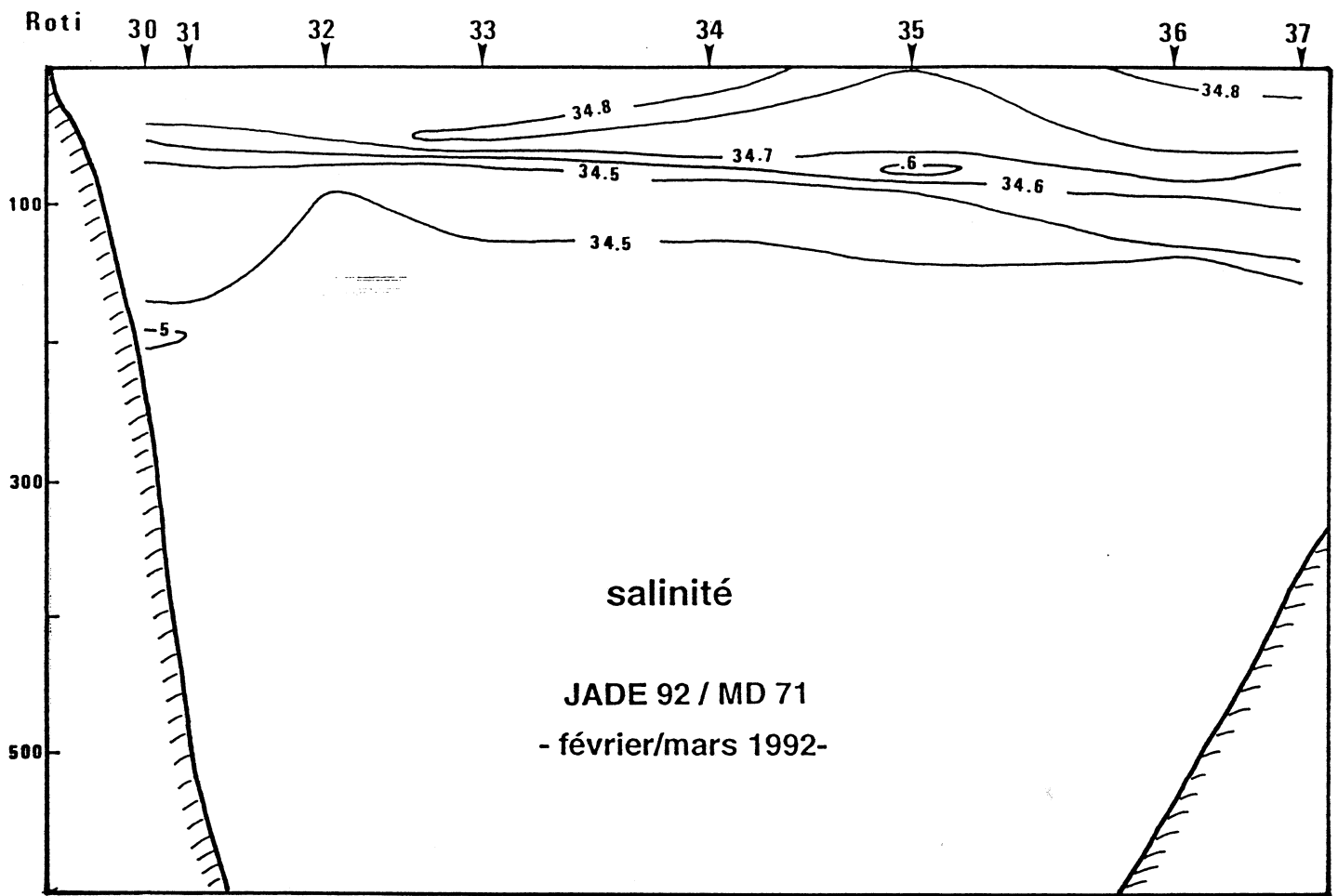


Figure 7a

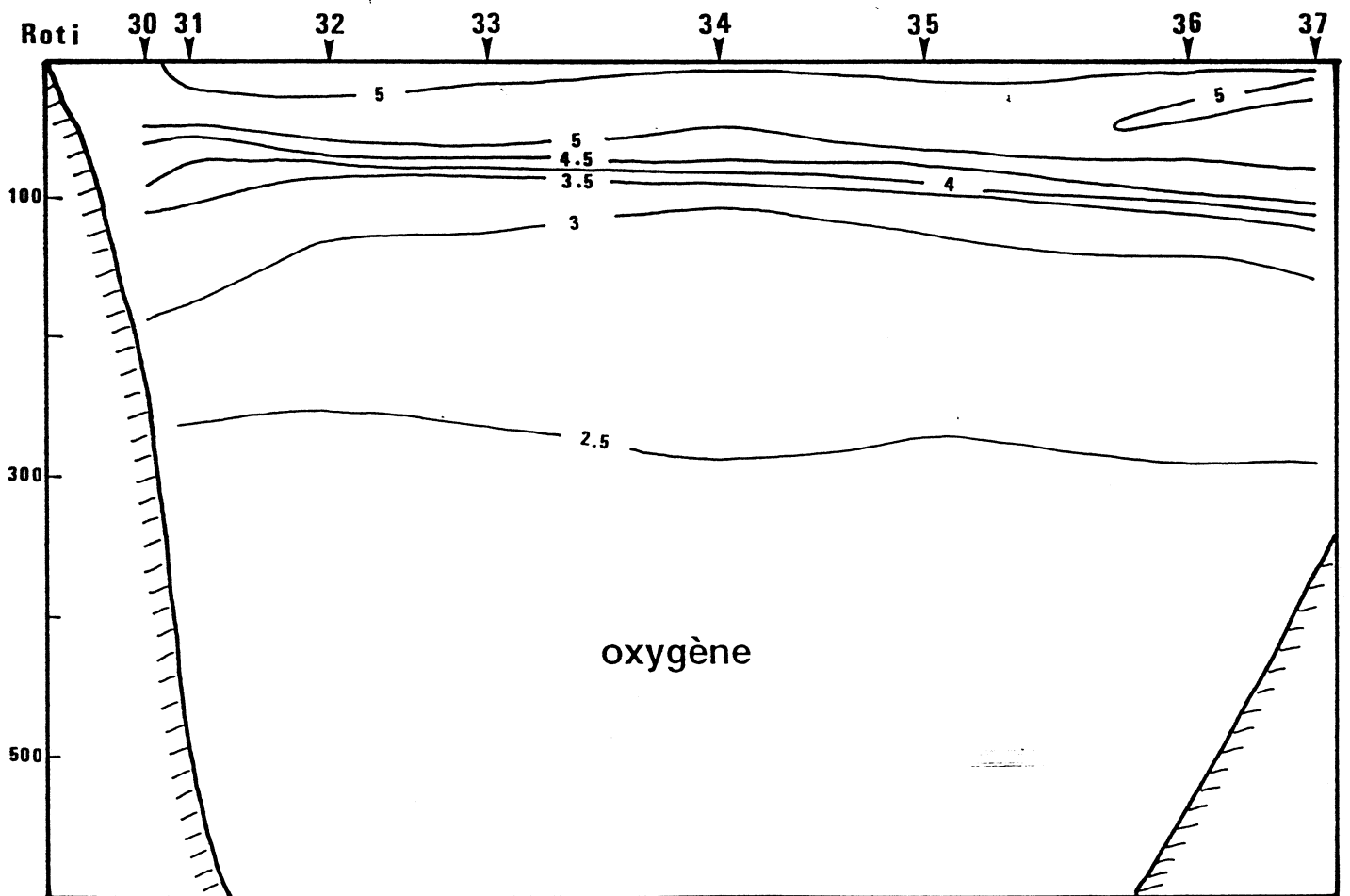
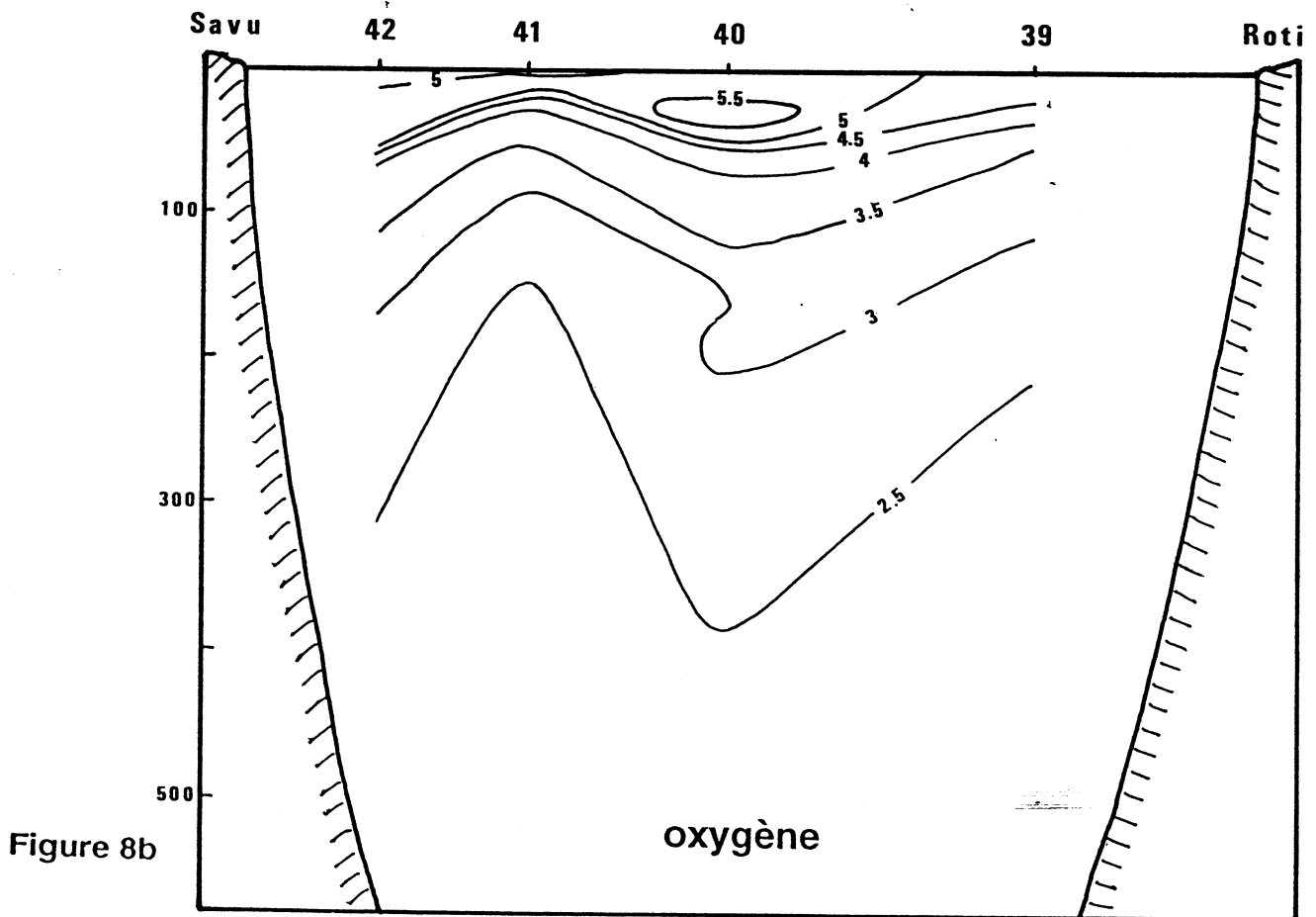
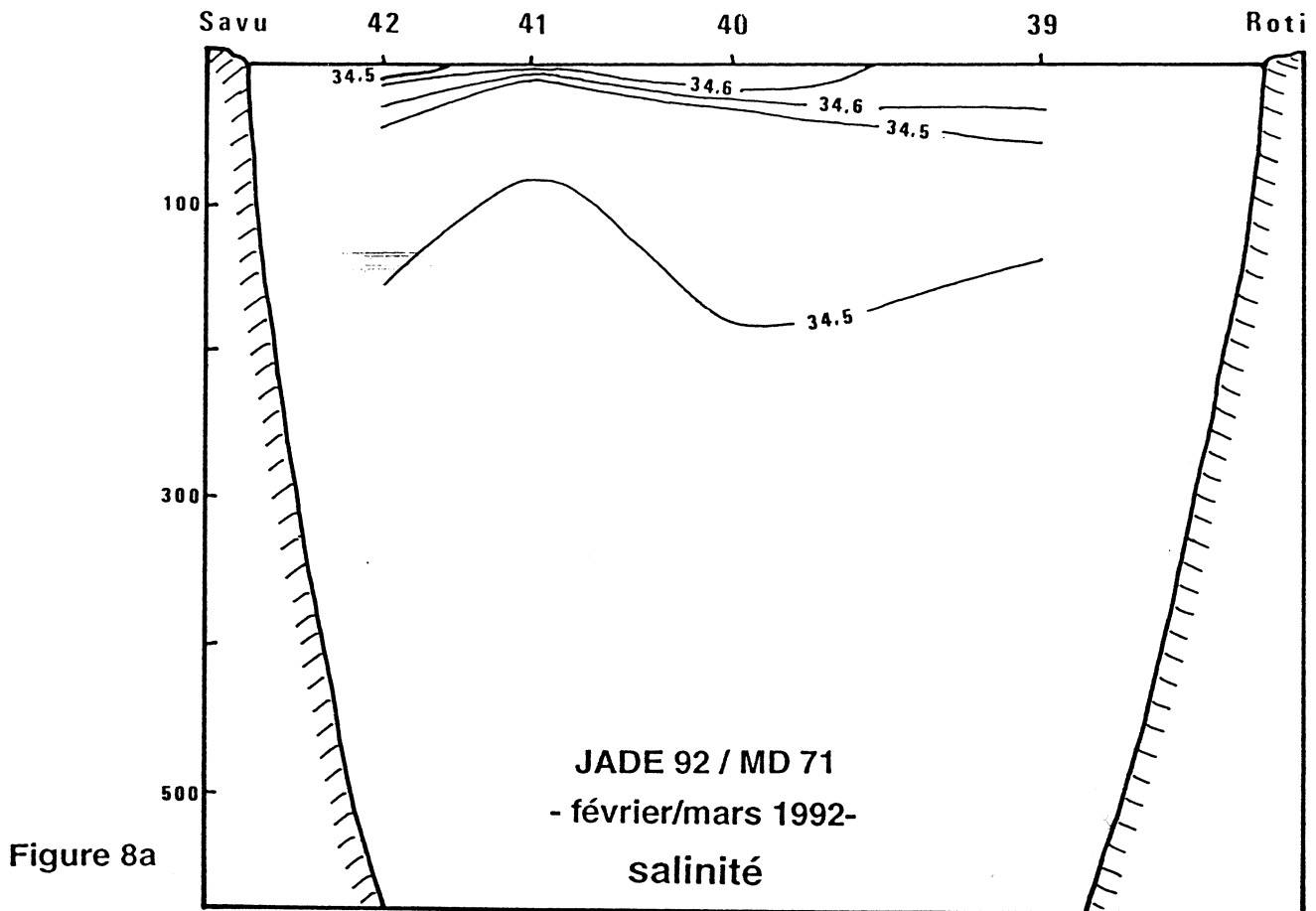


Figure 7b



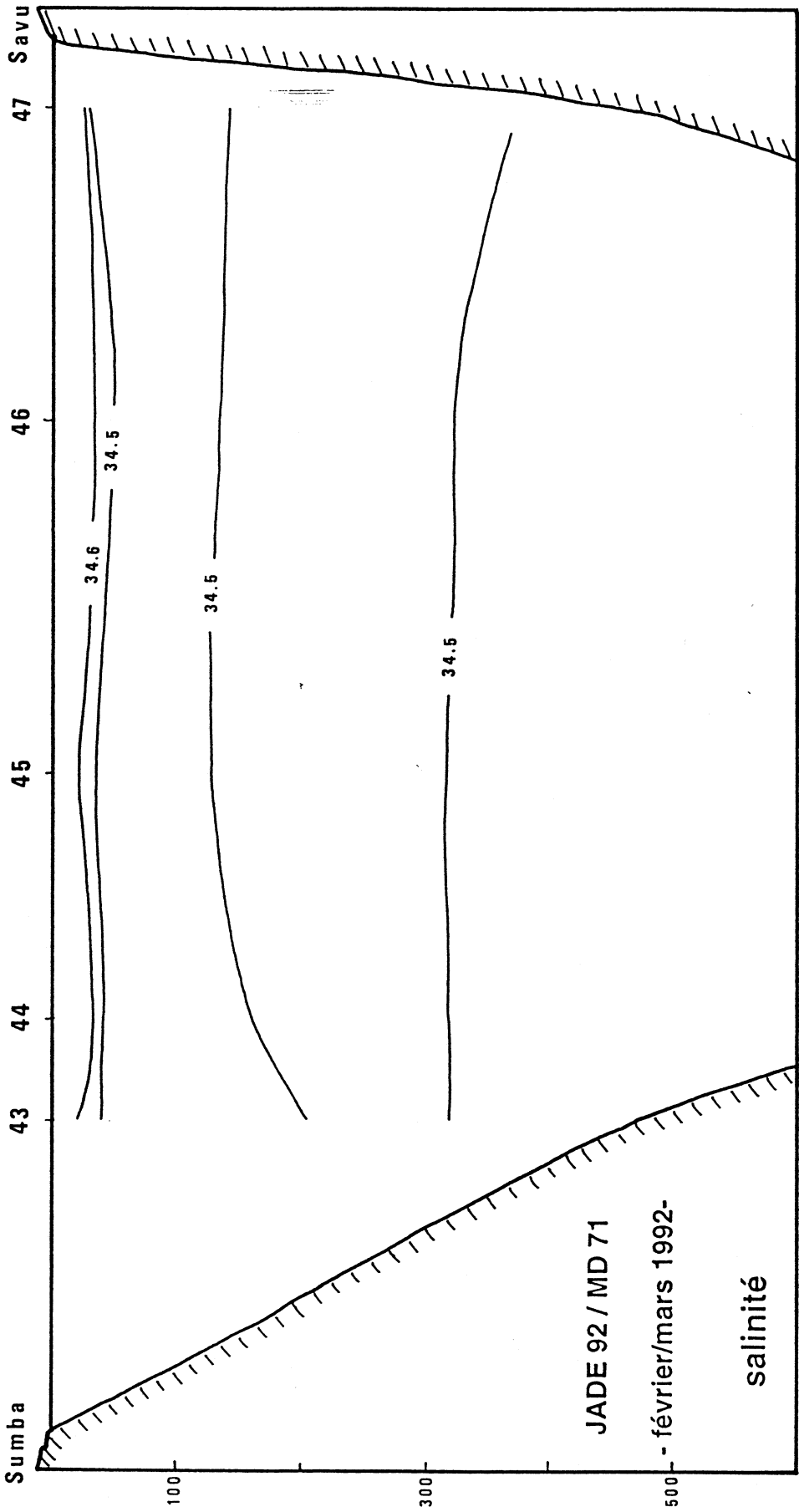


Figure 9a

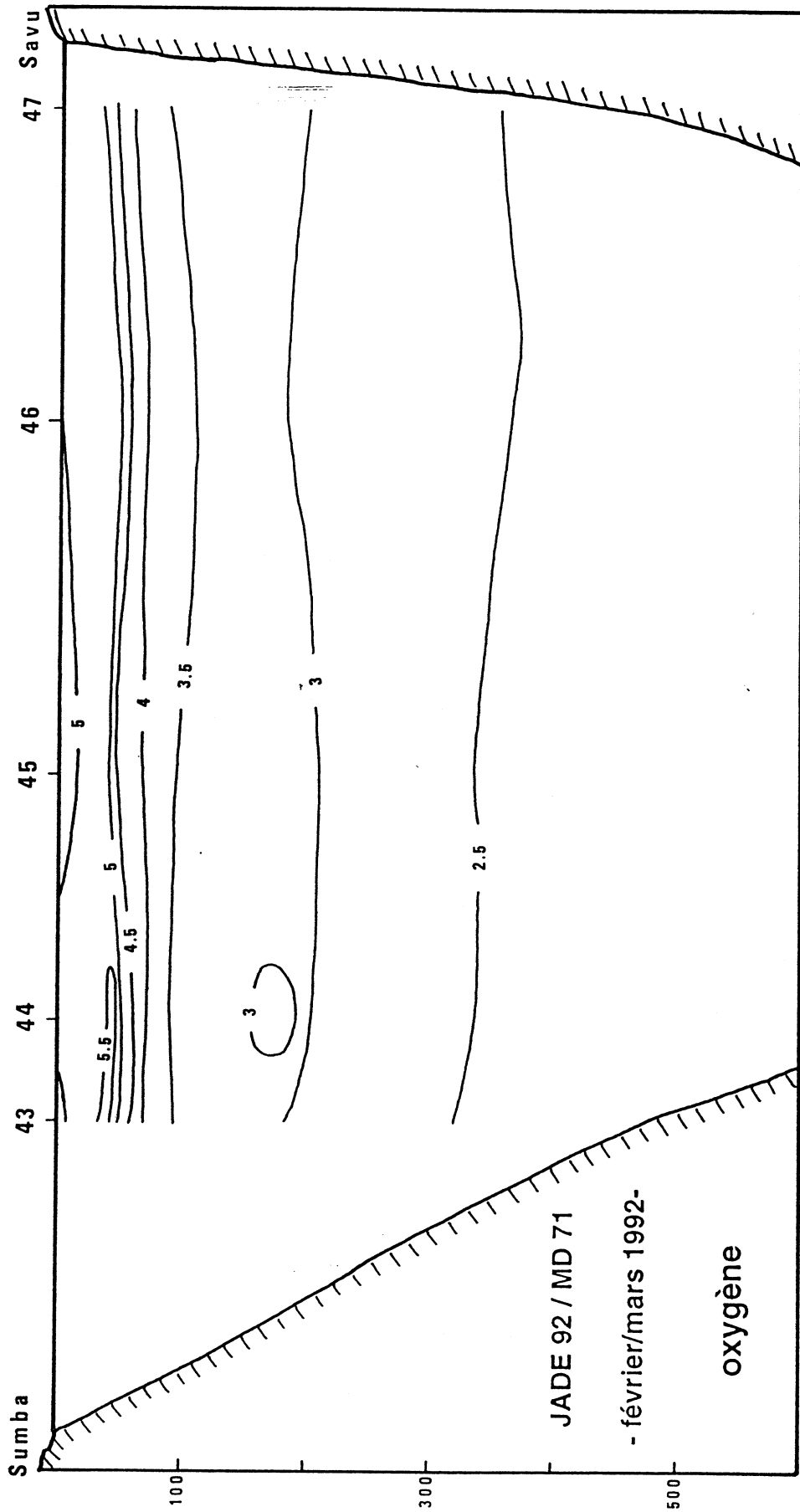
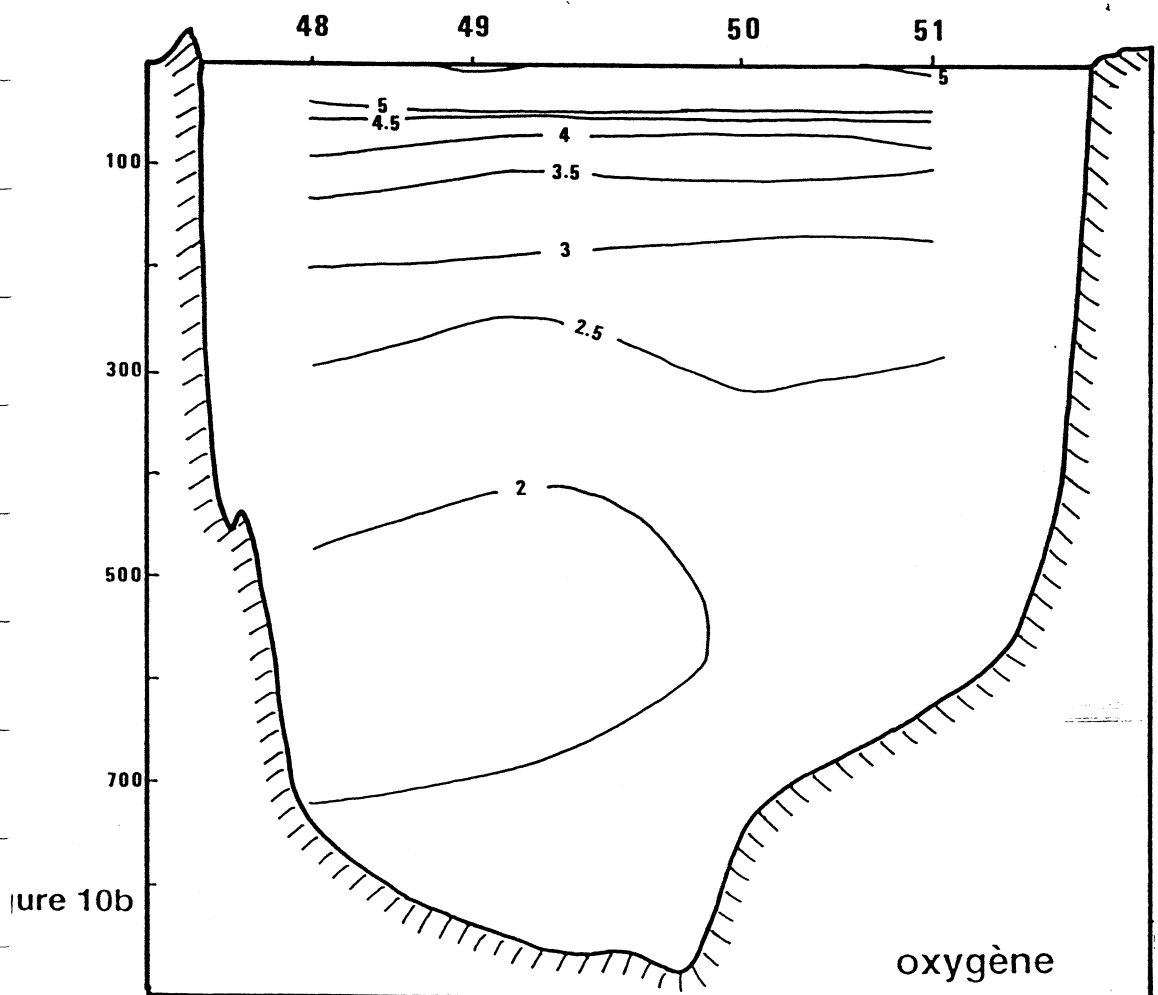
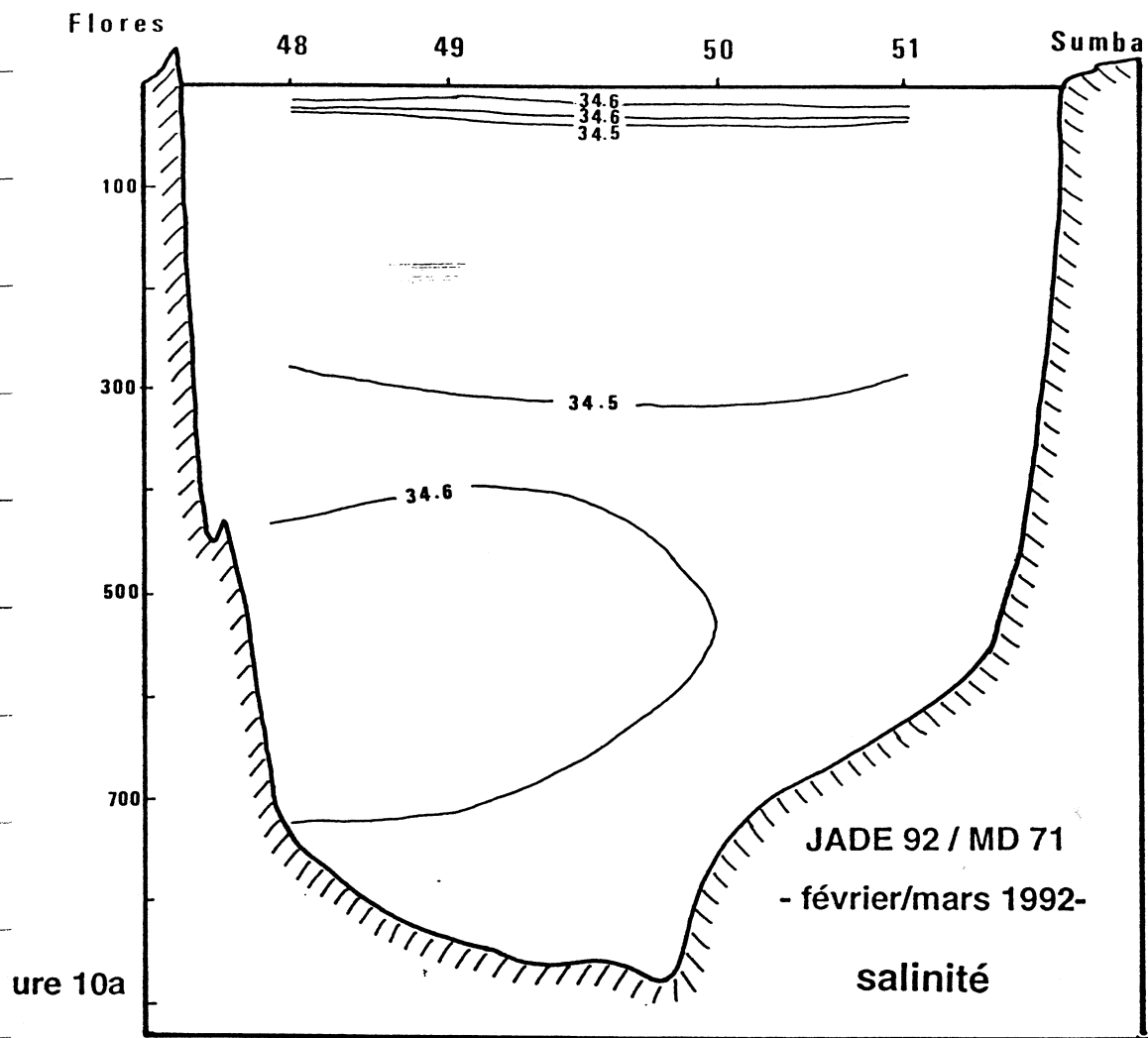


Figure 9b





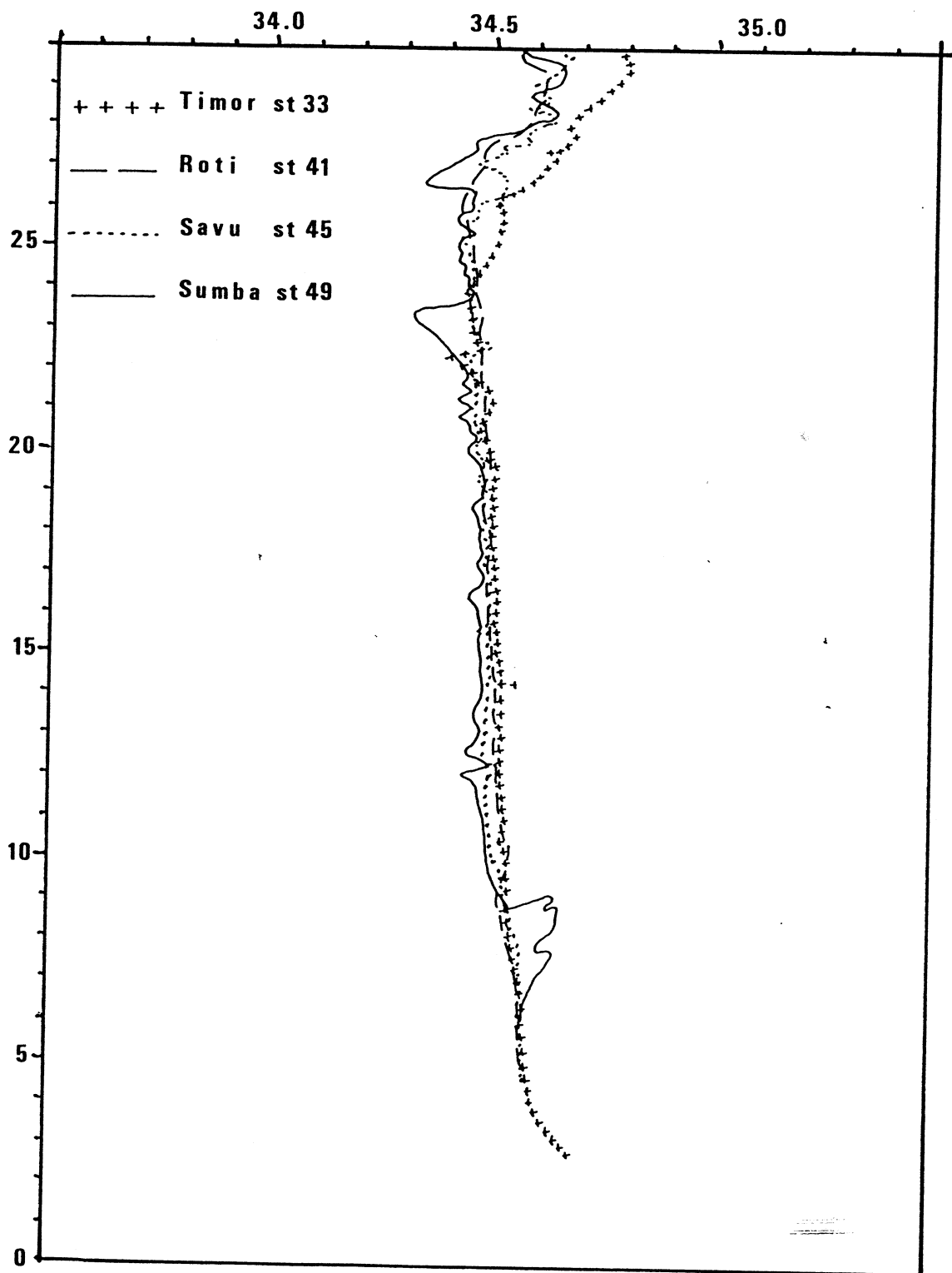


Figure11a       $\theta - S$

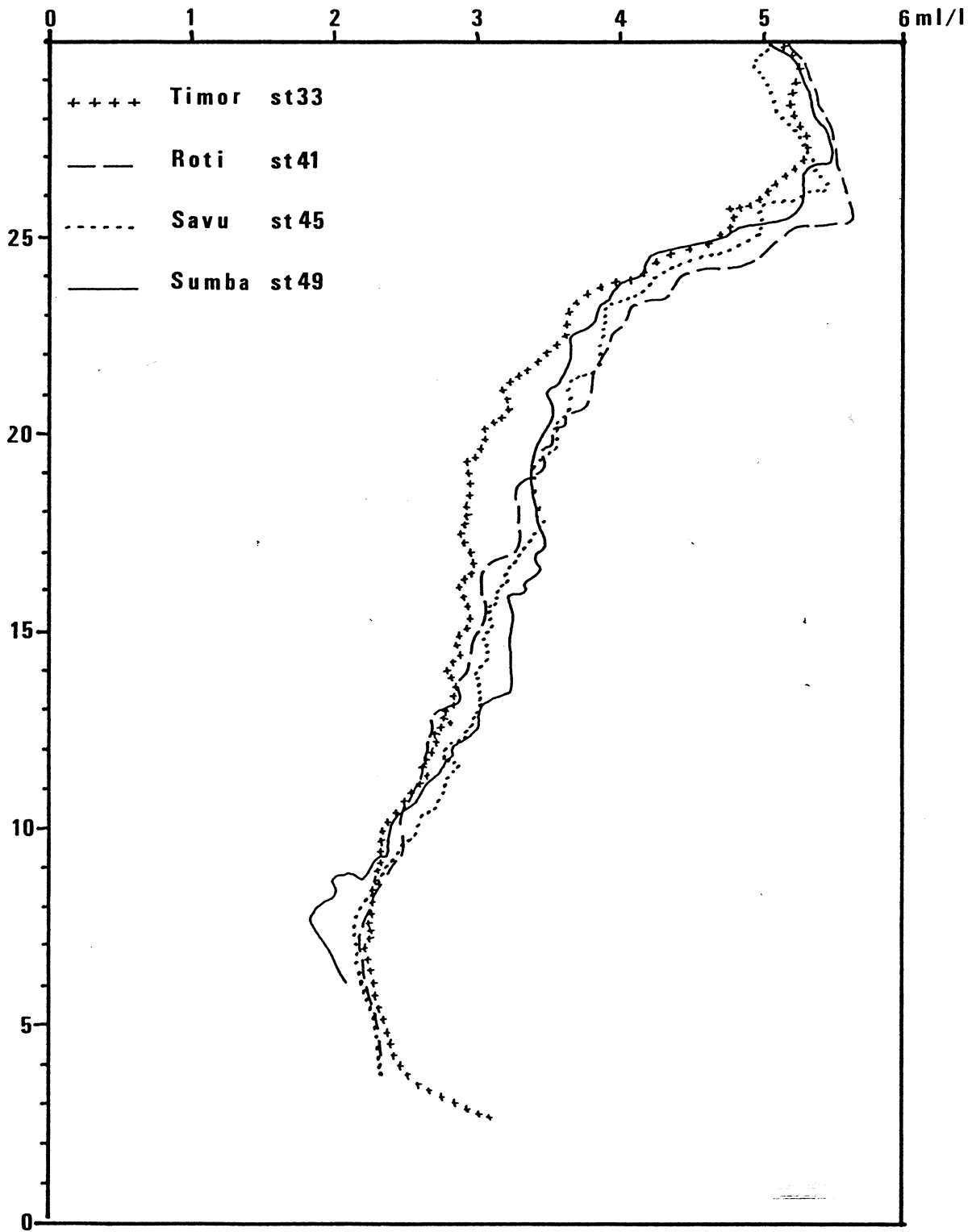


Figure 11b  $\theta - O_2$  dans chaque chenal.

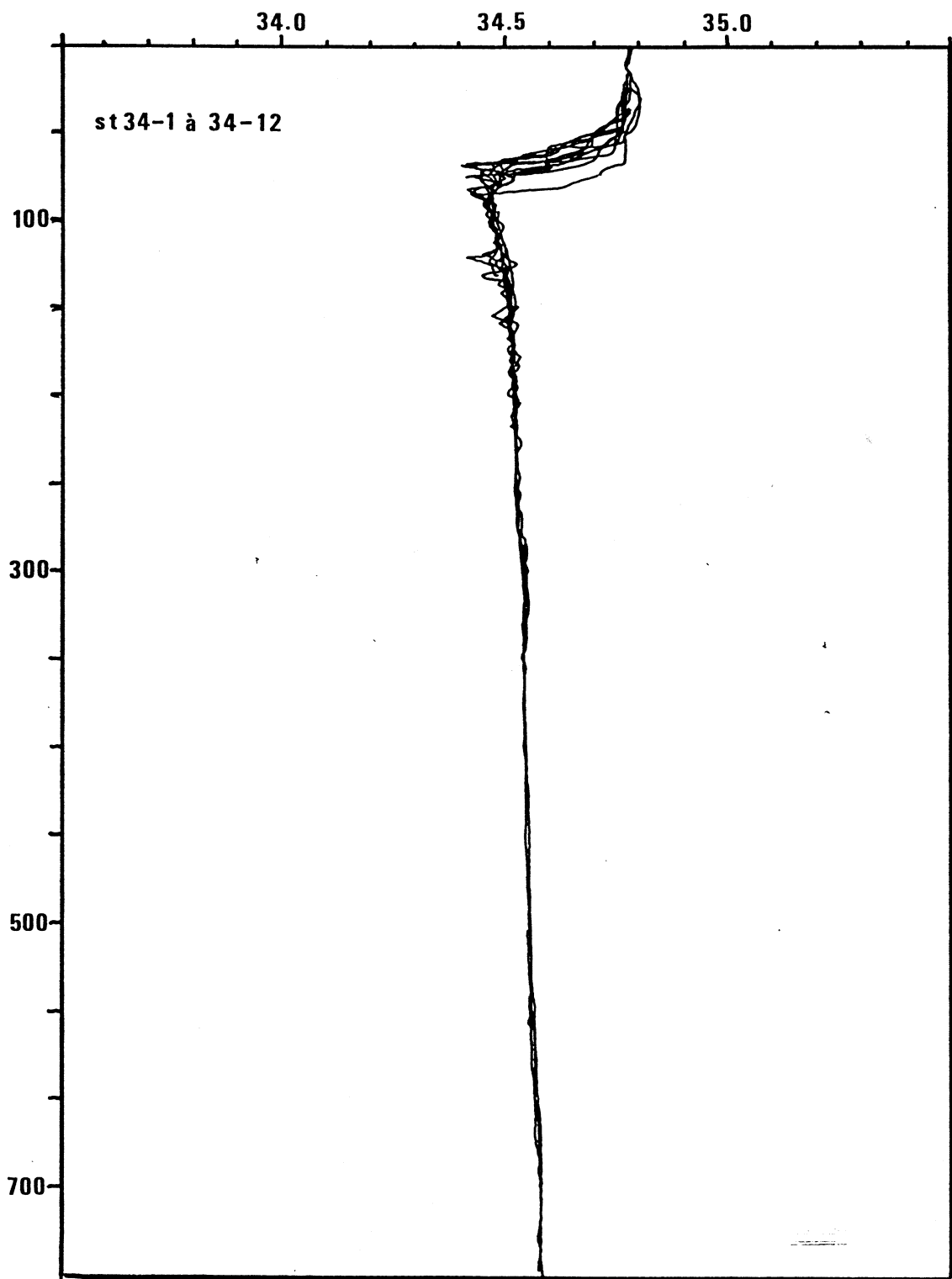


Figure 12a Profils répétés de salinité de la station 34

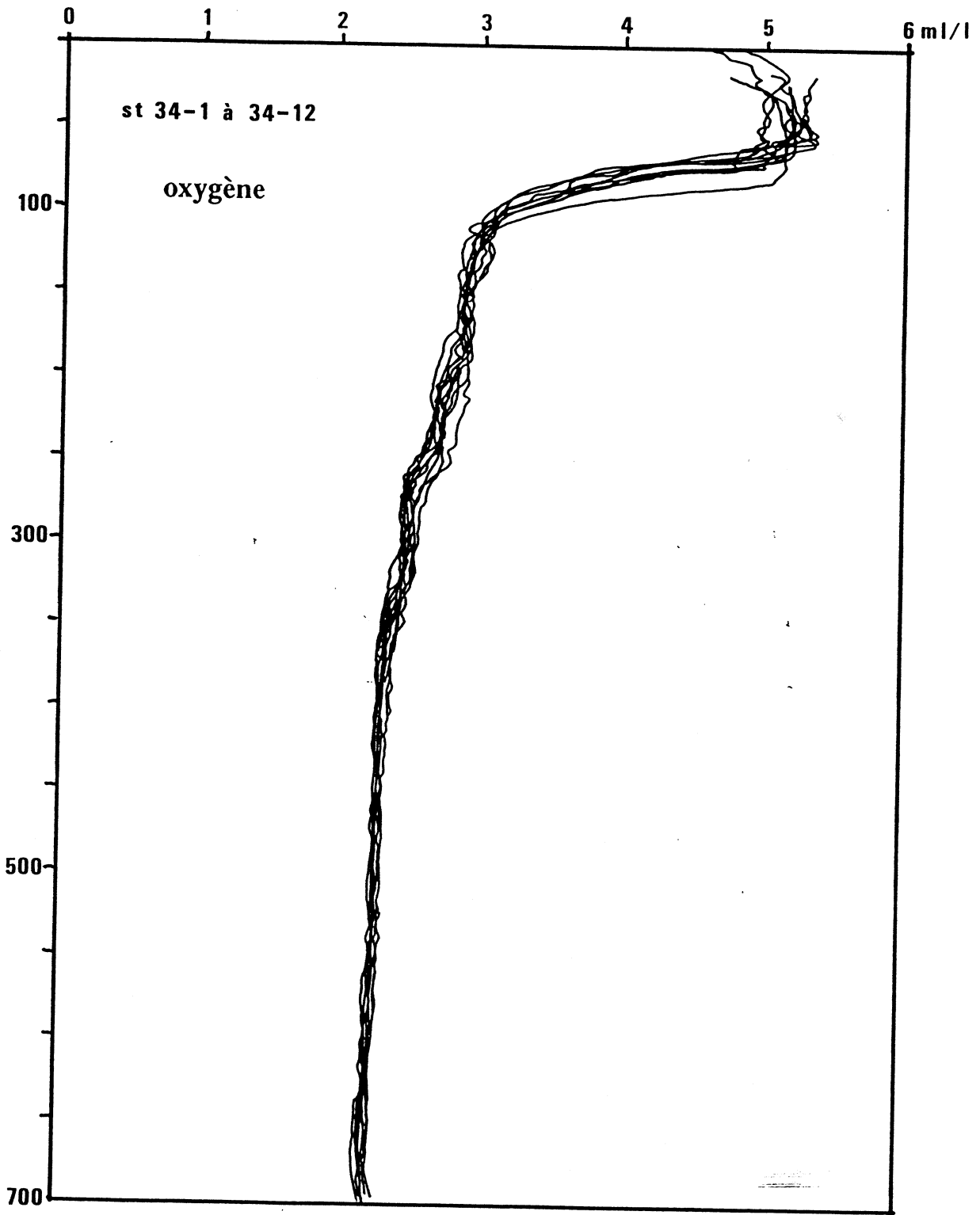


Figure 12b

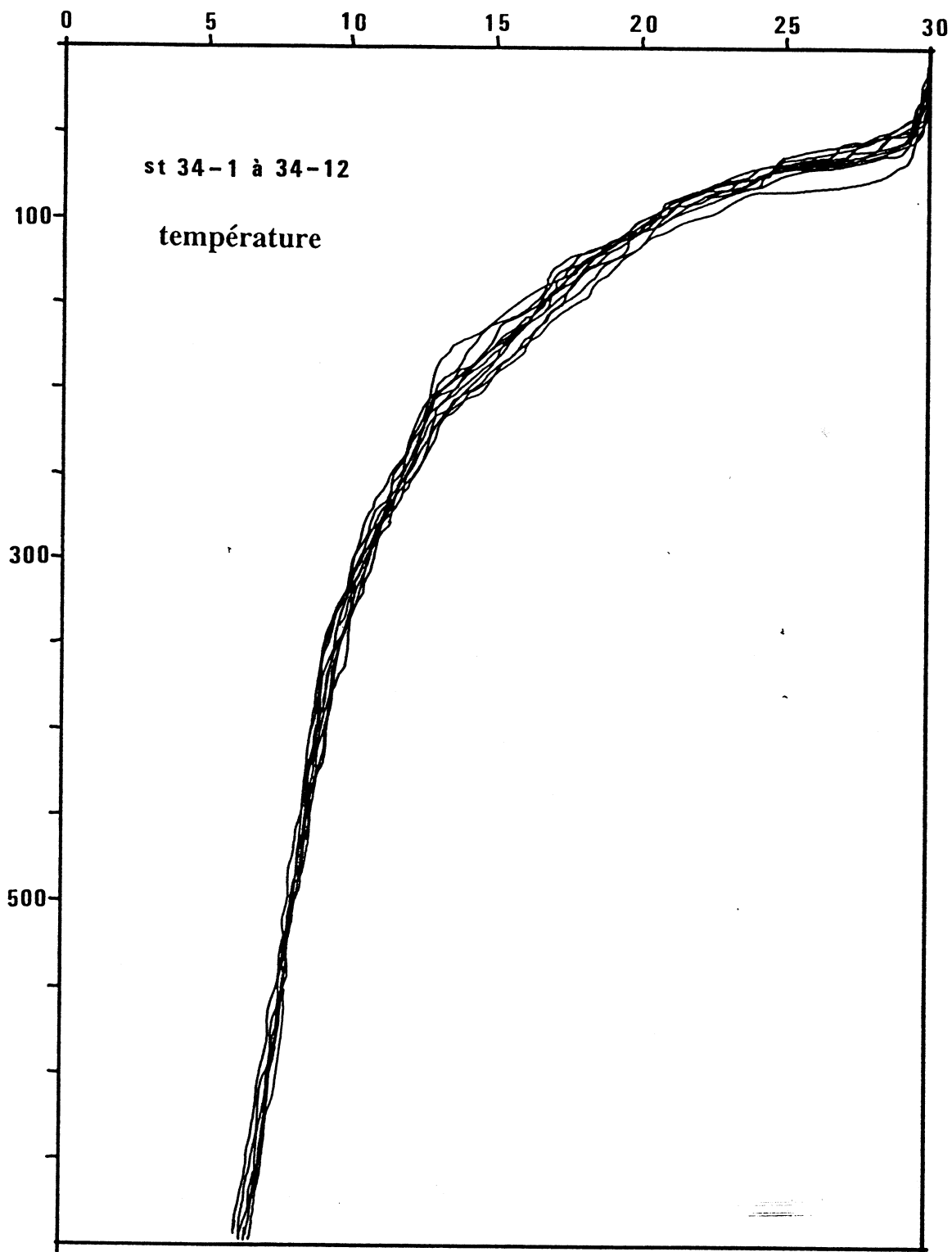


Figure 12c

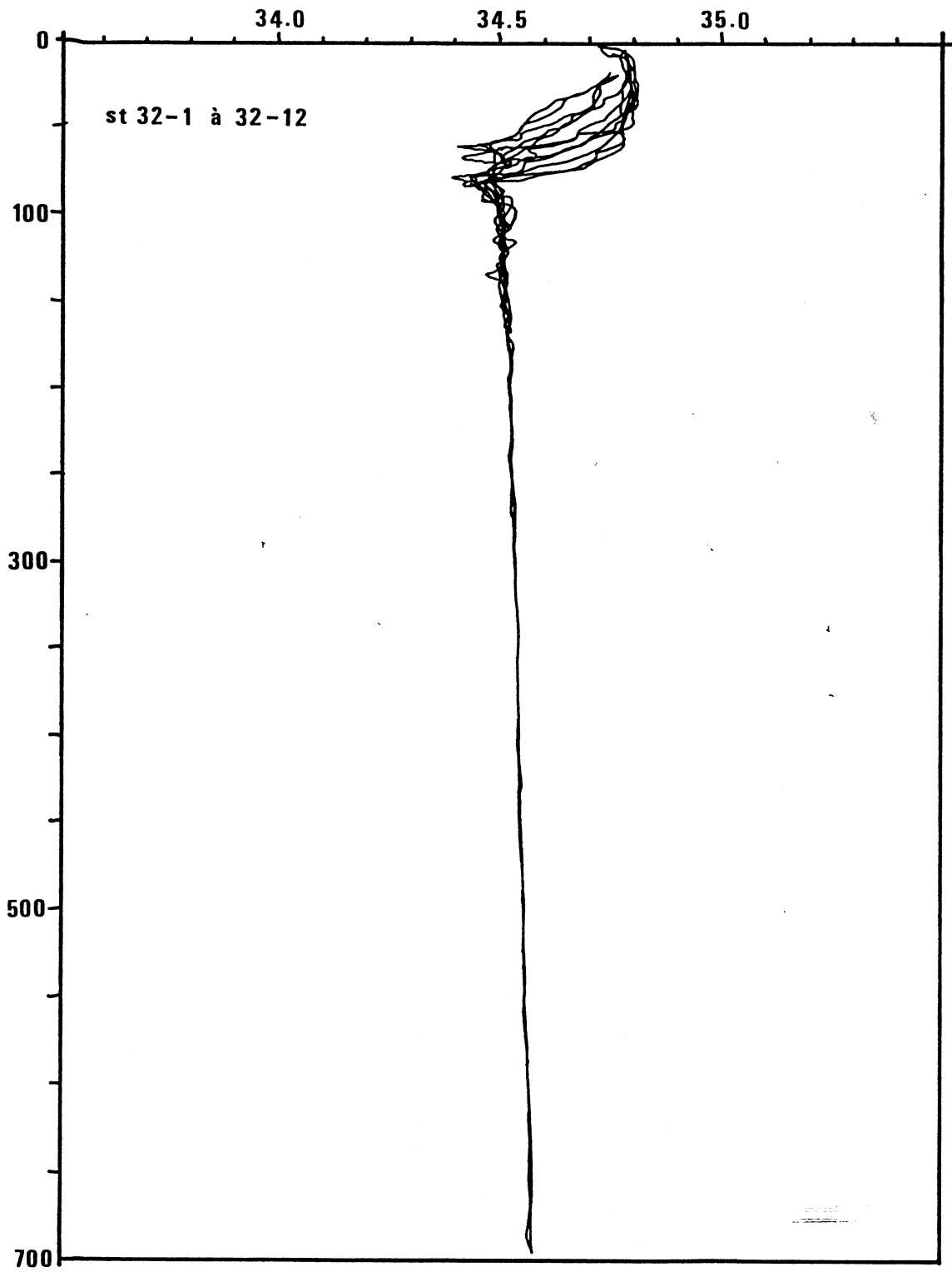
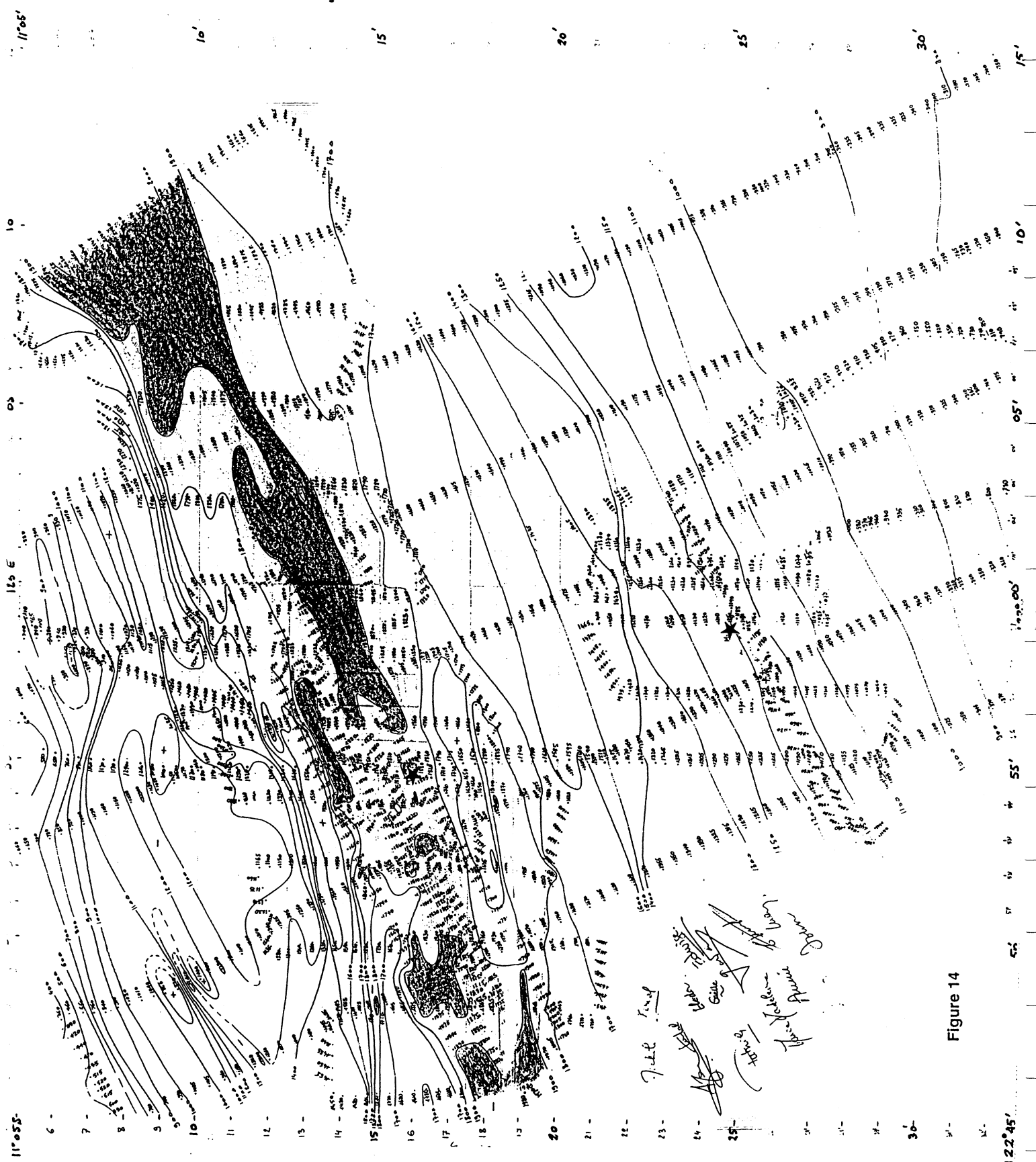


Figure 13 Profils répétés de salinité de la station 32

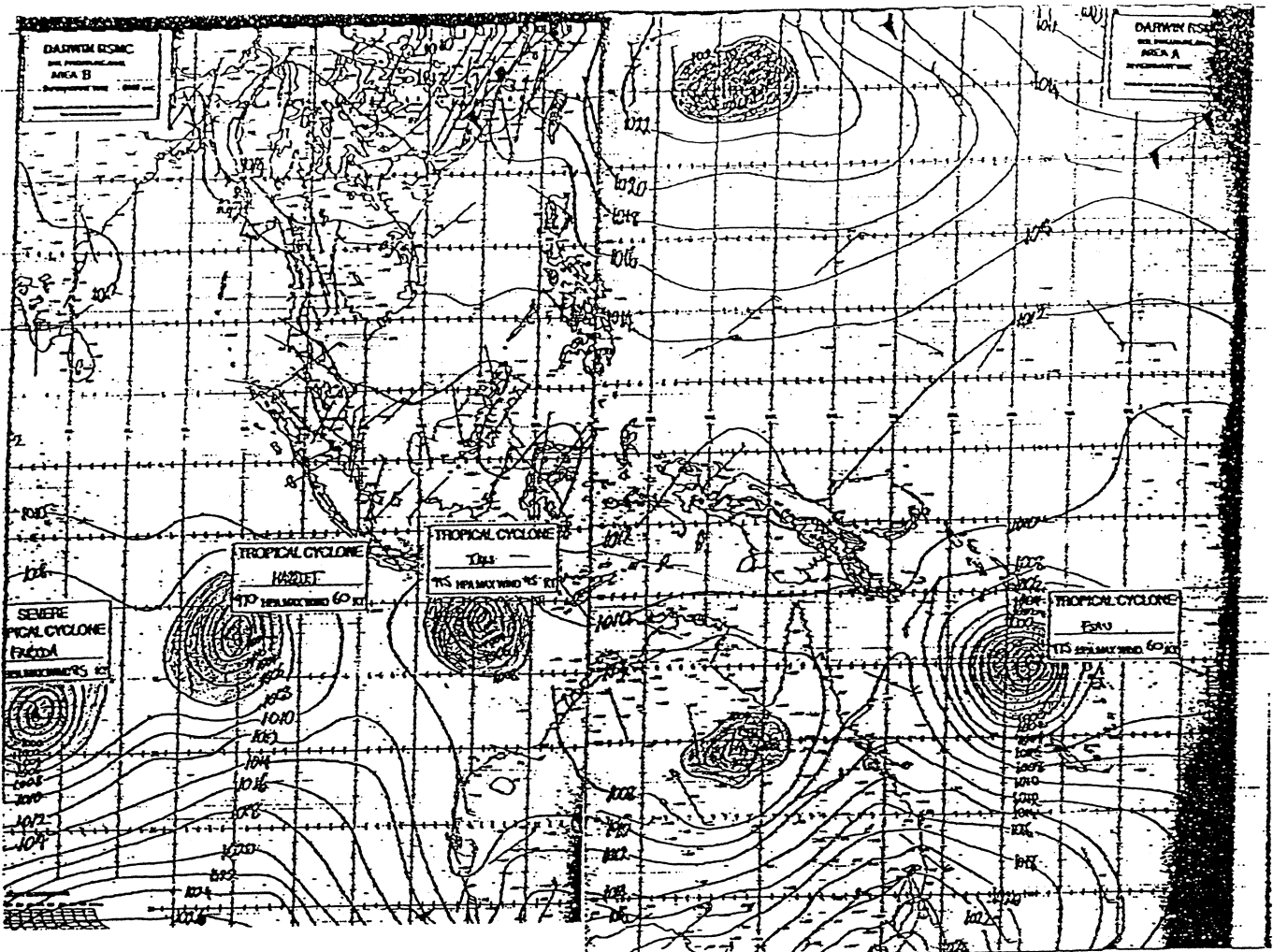


- Bathymétrie du seuil de Timor -

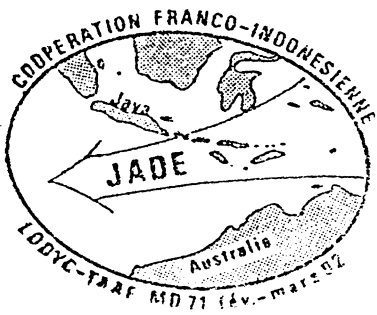
Figure 14

12245'





- Cyclone "Ian" -



## MESURES CTD

### ETALONNAGE des CAPTEURS de la SONDE NEIL-BROWN REDUCTION et VALIDATION des DONNEES

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Muséum National d'Histoire Naturelle

Les stations de la campagne MD71 / JADE-92 ont été effectuées à l'aide de la bathysonde Neil Brown Mark III n° 01-1116, équipée d'une rosette de 12 bouteilles hydrologiques de 12 litres.

Les différentes étapes pour obtenir les données hydrologiques définitives sont les suivantes:

- 1° Etalonnage des 4 capteurs : pression, température, conductivité et oxygène.
- 2° Validation et réduction des données brutes.
- 3° Calculs des paramètres hydrologiques.

#### I - ETALONNAGE DES CAPTEURS

Les capteurs de pression et de température ont été étalonnés en laboratoire, au centre de métrologie de l'IFREMER à Brest par Martine Cambon en mai 1992 (rapport d'essais n° 044-92). Les capteurs de conductivité et d'oxygène sont étalonnés in situ à partir des prélèvements effectués sur les bouteilles hydrologiques.

#### A - PRESSION

Trois cycles de mesures ont été effectués entre 0 et 6000 dbar par pas de 400 dbar (tableau 1).

Pression référence	Descente	Montée	Descente	Montée	Descente	Montée	Descente	Montée
	1er cycle		2ème cycle		3ème cycle		Moyenne des 3 cycles	
0,2	37,5	39,0	38,1	39,1	38,5	39,4	38,0	39,2
400,3	434,1	439,6	435,0	439,5	435,1	439,6	434,7	439,6
800,4	834,0	839,8	834,0	839,8	834,4	839,9	834,1	839,8
1200,5	1235,6	1240,4	1235,5	1240,4	1235,7	1240,5	1235,6	1240,4
1600,5	1637,4	1641,2	1637,4	1641,2	1637,5	1641,2	1637,4	1641,2
2000,6	2038,8	2041,7	2038,8	2041,8	2038,8	2041,8	2038,8	2041,8
2400,7	2439,7	2442,0	2439,6	2442,1	2439,7	2442,1	2439,7	2442,1
2800,8	2840,2	2842,1	2840,2	2842,1	2840,3	2842,2	2840,2	2842,1
3200,9	3240,2	3242,0	3240,5	3242,0	3240,5	3241,1	3240,5	3242,0
3601,0	3640,5	3641,7	3640,6	3641,8	3640,6	3641,8	3640,6	3641,8
4001,1	4040,6	4041,6	4040,6	4041,6	4041,7	4041,6	4040,6	4041,6
4401,2	4440,6	4441,5	4440,6	4441,5	4440,7	4441,4	4440,6	4441,5
4801,3	4840,7	4841,2	4840,7	4841,0	4840,9	4841,4	4840,8	4841,3
5201,5	5240,8	5241,2	5240,9	5241,3	5241,0	5241,3	5240,9	5241,3
5601,6	5641,1	5641,3	5641,1	5641,3	5641,2	5641,3	5641,1	5641,3
6001,7	6041,5	6041,5	6041,5	6041,5	6041,5	6041,5	6041,5	6041,5

TABLEAU 1 : ETALONNAGE DU CAPTEUR DE PRESSION

L'étalonnage précédent (avant la campagne), également effectué à Brest par Martine Cambon, datait de juillet 1991 (rapport d'essais n° 006-91). 10 mois environ séparent donc les 2 étalonnages. La dérive sur ces 10 mois est de l'ordre de 5 dbar sur toute l'échelle des pressions à la descente comme à la montée (figure 1).

On calcule, par la méthode des moindres carrés, les polynômes (degré 1 à 5) passant au mieux par les 16 points d'étalonnage (moyenne des trois cycles). Les figures 2 et 3 permet-

tent de choisir les meilleurs polynômes de correction: degré 5 pour la pression descente et degré 5 pour la montée.

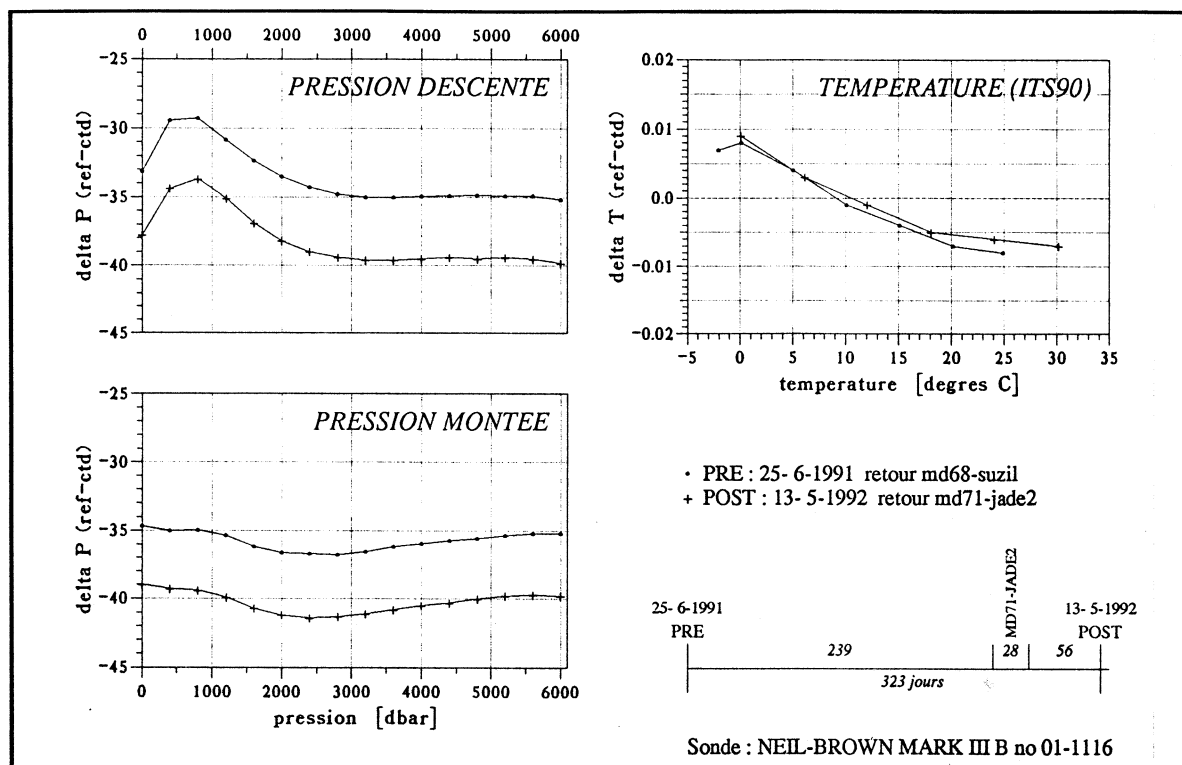


FIGURE 1: DÉRIVE DE PRESSION ET DE TEMPÉRATURE ENTRE LES ÉTALONNAGES PRÉ- ET POST-CAMPAGNE

Pour la descente, la correction passe par un minimum de -34 dbar à 800 m et se stabilise vers -40 dbar de 3000 à 6000 dbar. L'écart maximum entre les valeurs données par le polynôme choisi et les points d'étalonnage est inférieur à 0,4 dbar, l'écart-type étant de 0,20 dbar.

Pour la montée, la correction est plus homogène. Elle est comprise entre -39 et -41,5 dbar. Le polynôme choisi s'écarte au plus de 0,5 dbar des points d'étalonnage et l'écart-type de l'ajustement polynomial est de 0,21 dbar.

La figure 4 montre l'évolution, au cours de la campagne, de la pression sur le pont (décalage du zéro) avant et après chaque profil, ainsi que les décalages du zéro à l'étalonnage. Le décalage est compris entre 32 et 36 dbar durant la campagne. Entre la fin de la campagne et l'étalonnage effectué 3 mois après, le capteur a dérivé de 2 dbar à la descente et de 3 dbar à la remontée.

La pression recalée est obtenue en appliquant le polynôme choisi puis en translatant les valeurs d'une quantité  $\Delta P$  égale à la différence entre le décalage du zéro à l'étalonnage et le décalage du zéro du profil considéré.

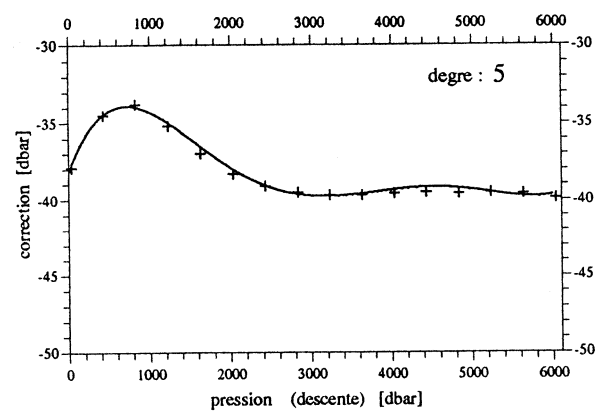
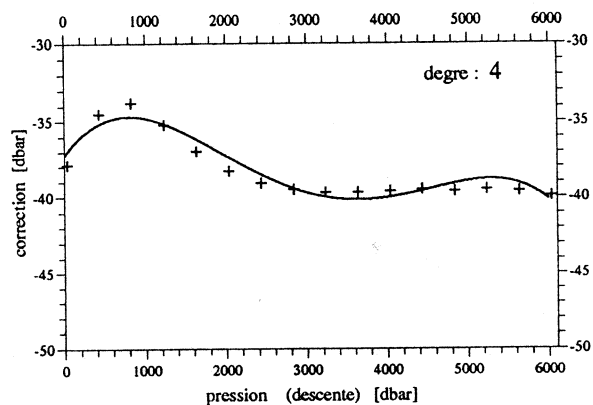
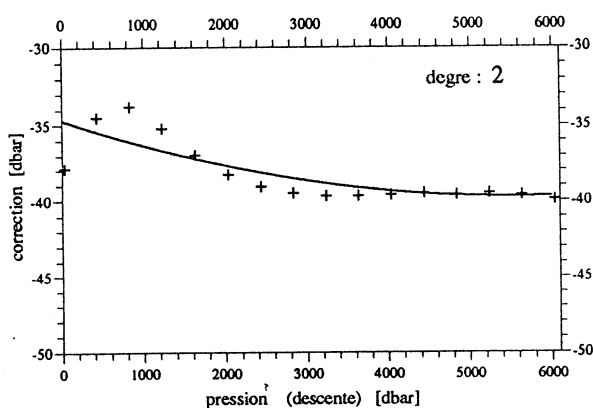
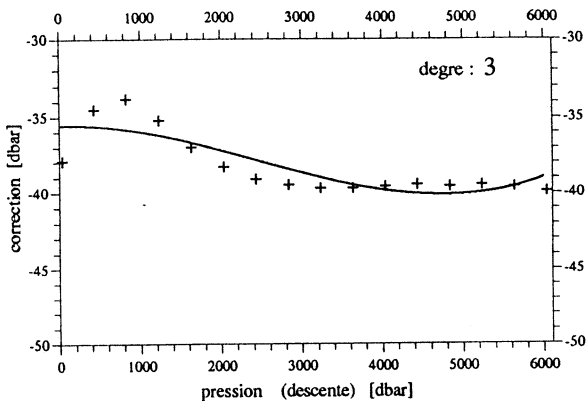
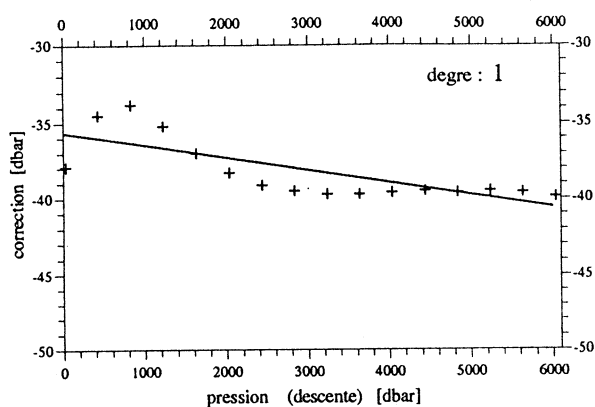
On a alors:

$$\begin{array}{ll} \text{pression descente recalée} & P_{dr} = f(P_d) + \Delta P_d \\ \text{pression montée recalée} & P_{mr} = f(P_m) + \Delta P_m \end{array}$$

## B - TEMPERATURE

L'étalonnage en température a été effectué entre 0 et 30°C par pas de 6°C (Martine Cambon, certificat d'étalonnage n° 055-92). La figure 1 montre que l'écart maximum entre cet étalonnage et celui de juillet 1991 n'excède pas 0,002 °C. (Echelle internationale de température EIT90).

A partir des points d'étalonnage (tableau 2), on calcule les 5 polynômes par la méthode des moindres carrés (figure 5). Le degré 3 a été retenu. On peut noter qu'entre 0 et 30°C, l'écart maximum entre les valeurs données par le polynôme choisi et les points d'étalonnage est inférieur à 0,0005 °C.



NEIL-BROWN MARK III no : 01-1116

Pas de calcul : 10.0 dbar

Coefficients des 5 polynomes :

degre 1 :  $-.356667E+02, 0.999175E+00,$

degre 2 :  $-.346871E+02, 0.998153E+00, 0.168175E-06,$

degre 3 :  $-.355832E+02, 0.100018E+01, -.688432E-06, 0.939404E-10,$

degre 4 :  $-.372694E+02, 0.100728E+01, -.624185E-05, 0.153658E-08, -.118640E-12,$

degre 5 :  $-.382105E+02, 0.101405E+01, -.147237E-04, 0.537025E-08, -.834915E-12, 0.471161E-16,$

Rapport d'étalonnage IFREMER no : 019-92 (044-92)

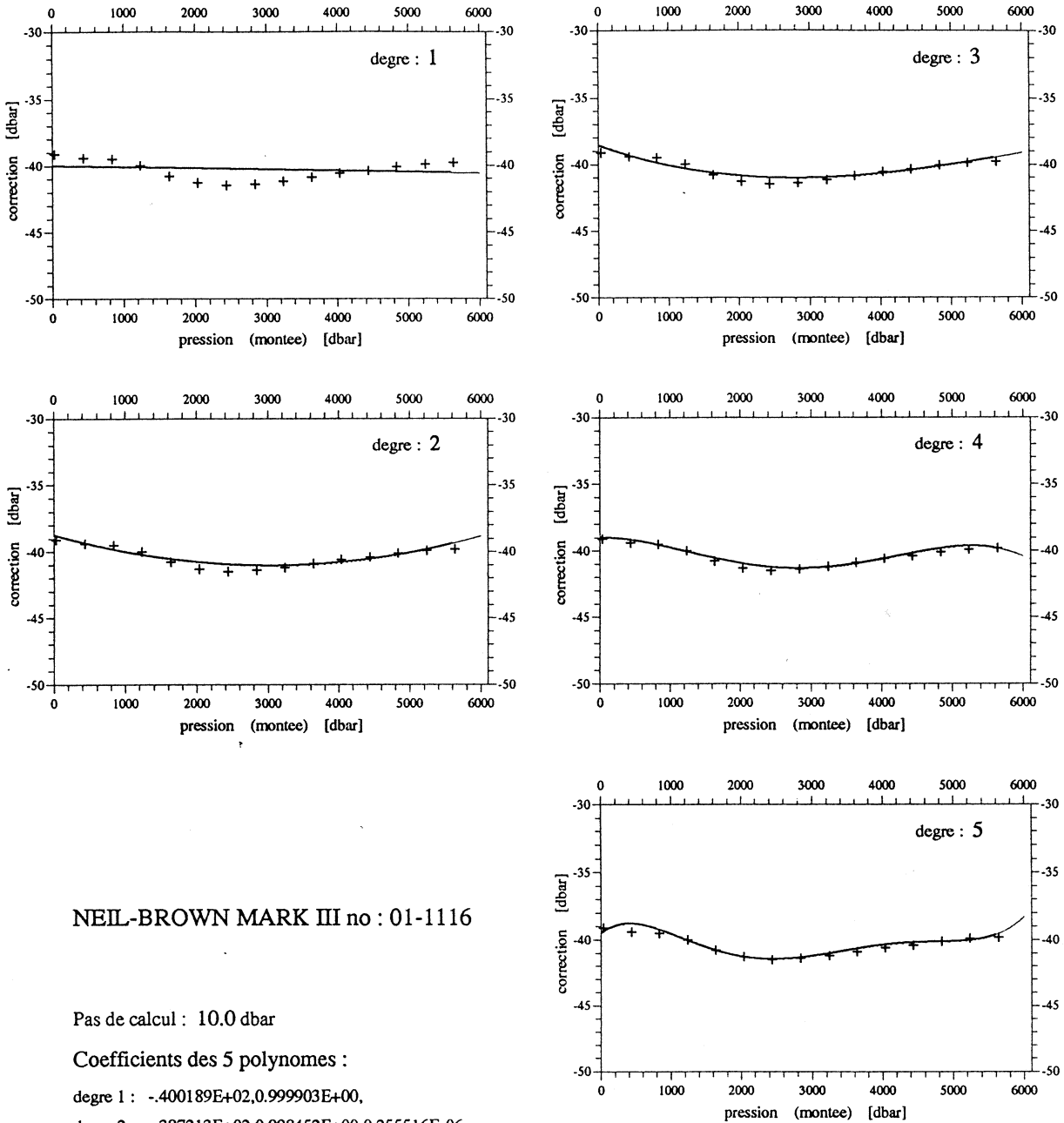
Polynomes UTILISABLES entre 0 et 6002 dbar

Degré choisi : 5

MD71 / JADE-2

PRESSION DESCENTE : polynomes et points d'étalonnage

FIGURE 2



NEIL-BROWN MARK III no : 01-1116

Pas de calcul : 10.0 dbar

Coefficients des 5 polynomes :

degre 1 :  $-.400189E+02, 0.999903E+00,$

degre 2 :  $-.387213E+02, 0.998452E+00, 0.255516E-06,$

degre 3 :  $-.385607E+02, 0.998060E+00, 0.432706E-06, -.207941E-10,$

degre 4 :  $-.390239E+02, 0.100018E+01, -.134384E-05, 0.473472E-09, -.435025E-13,$

degre 5 :  $-.394818E+02, 0.100377E+01, -.617845E-05, 0.281393E-08, -.511575E-12, 0.329480E-16,$

Rapport d'etalonnage IFREMER no : 019-92 (044-92)

Polynomes UTILISABLES entre 0 et 5602 dbar

Degré choisi : 5

MD71 / JADE-2

PRESSION MONTEE : polynomes et points d'etalonnage

FIGURE 3

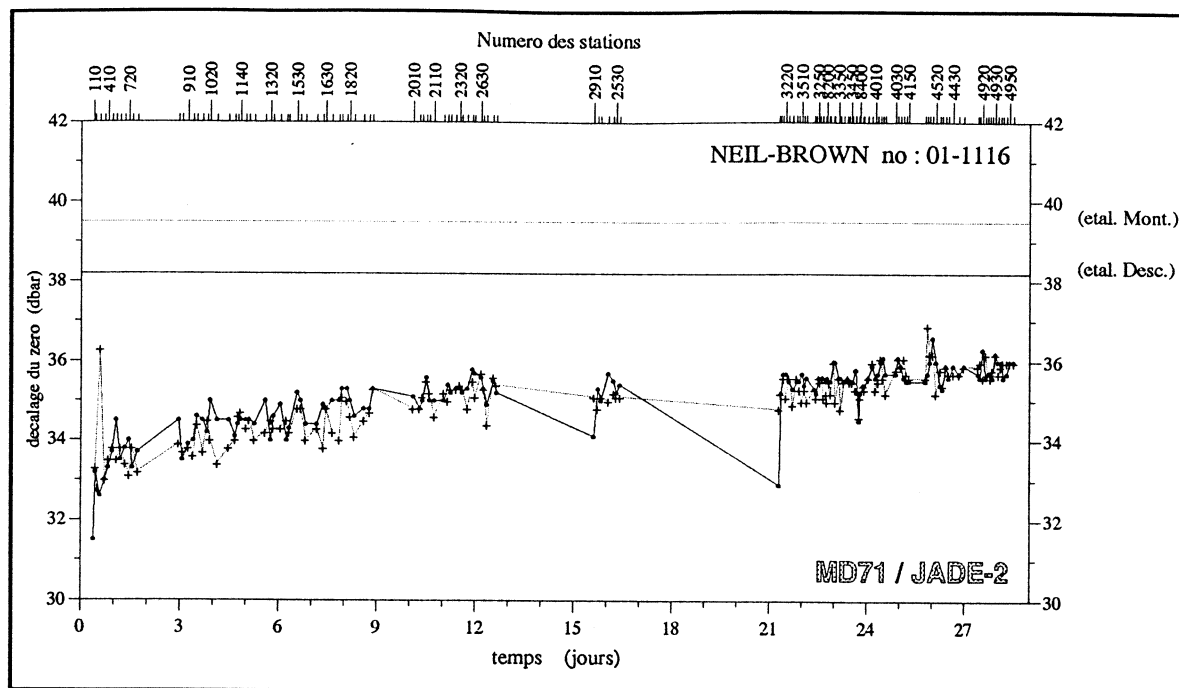


FIGURE 4 : DÉRIVE DU ZÉRO DURANT LA CAMPAGNE

Température de référence (°C)	Température mesurée (°C)	delta T (°C)
30,177	30,184	-0,007
24,088	24,094	-0,006
18,101	18,106	-0,005
12,040	12,041	-0,001
6,112	6,109	+0,003
0,076	0,067	+0,009

TABLEAU 2 : ETALONNAGE DU CAPTEUR DE TEMPÉRATURE

## C - CONDUCTIVITE

### 1- MÉTHODE

La salinité mesurée sur l'échantillon prélevé ( $S_{\text{hydro}}$ ) permet de calculer la conductivité in situ ( $C_{\text{hydro}}$ ), aux conditions de pression ( $P_{\text{sonde recalée}}$ ) et de température ( $T_{\text{sonde recalée}}$ ) du prélèvement en utilisant l'algorithme de Fofonoff et Millard (1983)

$$(S_{\text{hydro}}, T_{\text{sonde recalée}}, P_{\text{sonde recalée}}) \xrightarrow{C(35,15,0): 42.9140 \text{ mmho/cm (Culkin \& Smith, 1980)}} C_{\text{hydro}}$$

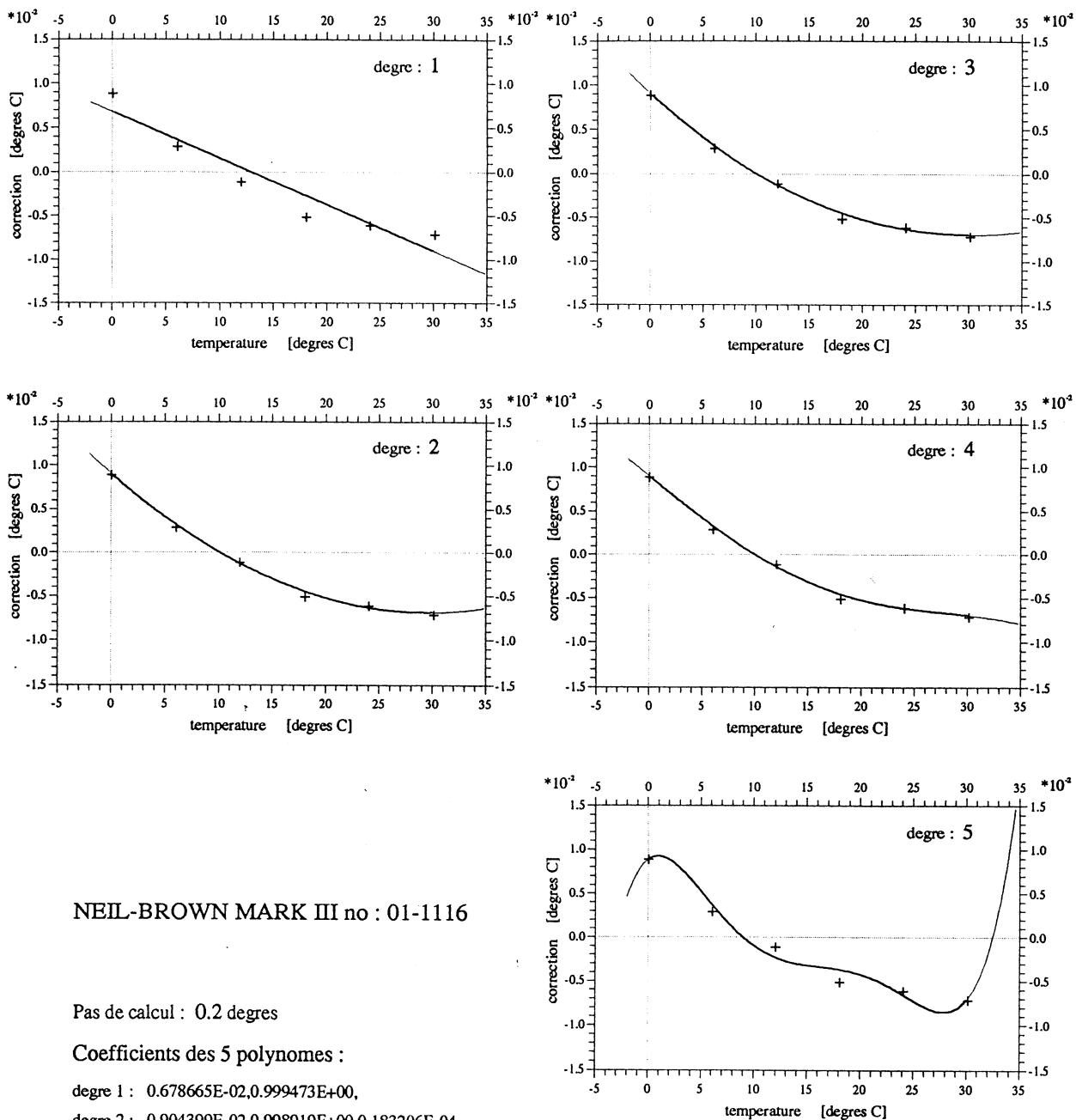
Les conductivités brutes (C) données par la sonde sont tout d'abord corrigées de l'effet de température et de pression sur le capteur; cette correction est établie par le constructeur et est de la forme:

$$C_s = C (1 + \alpha (T_r - 15) + \beta P_r) \quad \text{où} \quad \alpha = -6,5 \times 10^{-6}$$

$$\beta = 1,5 \times 10^{-8}$$

$T_r$  est la température recalée (°C)  
et  $P_r$  est la pression recalée (dbar).

La calibration du capteur de conductivité consiste à comparer la conductivité brute corrigée de l'effet de température et de pression ( $C_s$ ) et la conductivité in situ ( $C_{\text{hydro}}$ ), et à faire coïncider au mieux ces deux valeurs par une correction déterminée par la méthode des moindres carrés selon le processus suivant:



NEIL-BROWN MARK III no : 01-1116

Pas de calcul : 0.2 degrees

Coefficients des 5 polynomes :

- degre 1 : 0.678665E-02,0.999473E+00,
- degre 2 : 0.904399E-02,0.998919E+00,0.183206E-04,
- degre 3 : 0.907860E-02,0.998894E+00,0.205943E-04,-.501055E-07,
- degre 4 : 0.902413E-02,0.999025E+00,-.257280E-05,0.119494E-05,-.205839E-07,
- degre 5 : 0.881259E-02,0.100085E+01,-.512561E-03,0.488516E-04,-.182688E-05,0.238928E-07,

Rapport d'etalonnage IFREMER no : 055-92 (044-92)  
 Polynomes UTILISABLES entre 0.08 et 30.18 degrees C  
 Degre choisi : 3

MD71 / JADE-2

TEMPERATURE : polynomes et points d'etalonnage

poly5.f

FIGURE 5

Un premier calcul est fait avec l'ensemble des points retenus; on élimine ensuite les points pour lesquels la différence de conductivité est supérieure au filtre (égal à 2 fois l'écart-type). Le calcul est renouvelé et les points dont l'écart est supérieur à 2 fois le nouvel écart-type sont de nouveau éliminés et ainsi de suite. Le processus est arrêté lorsqu'il n'y a plus de points à éliminer.

## 2 - RÉSULTATS

Les 151 profils de la campagne ont permis d'effectuer 1510 prélèvements. La salinité de ces prélèvements a été mesurée à bord à l'aide d'un salinomètre GUILDLINE modèle PORTASAL-8410. La distribution des écarts  $C_{\text{hydro}} - C_s$  des 1329 points utilisables en fonction du temps (figure 6) et pour une seule période (figure 7), montre qu'il est nécessaire de scinder la campagne en trois périodes.

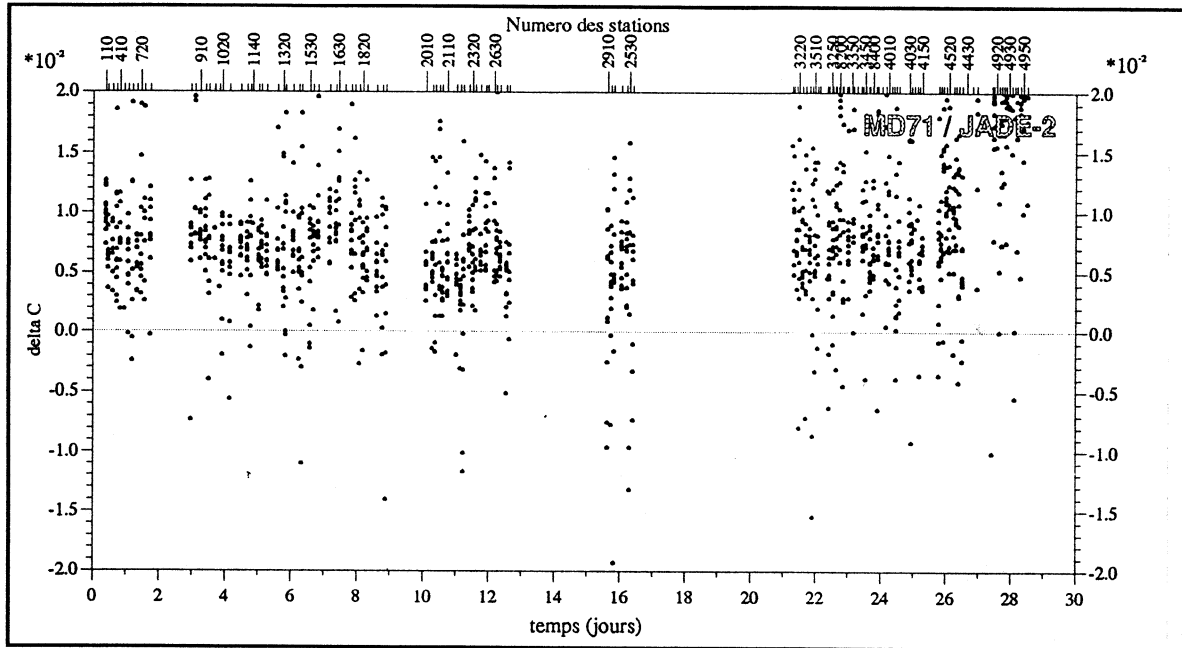


FIGURE 6 : RÉPARTITION DES ÉCARTS  $C_{\text{HYDRO}} - C_{\text{SONDE}}$  EN FONCTION DU TEMPS AVANT ÉTALONNAGE

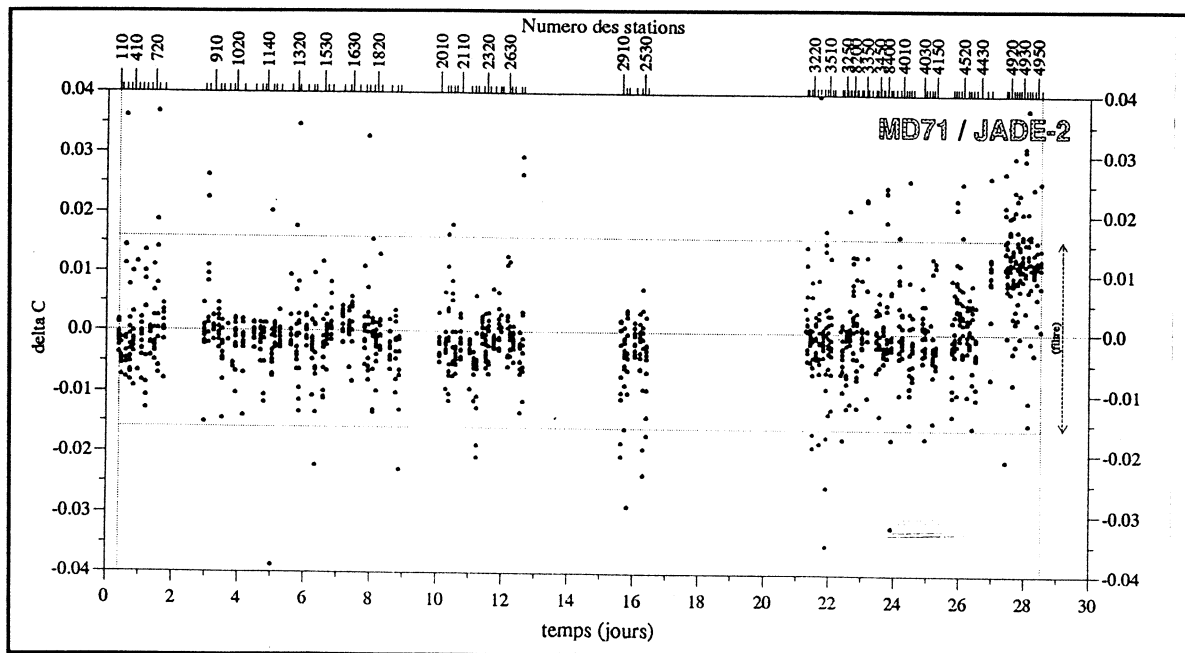


FIGURE 7 : RÉPARTITION DES ÉCARTS  $C_{\text{HYDRO}} - C_{\text{SONDE}}$  EN FONCTION DU TEMPS (UNE PÉRIODE)



Le processus de calcul a donné les résultats suivants:  
sur les 1329 points disponibles, 918 points ont permis, de calculer les 3 polynômes de correction de degré 2 (tableau 3):

	Nb de points	Nb de passages	Nb de points retenus	Nb de points éliminés	Ecart-type $\sigma$	Filtre $2 * \sigma$
1	1096	15	763 (69,6%)	333	0,0019	0,0037
2	82	7	63 (76,8%)	19	0,0028	0,0055
3	151	9	92 (60,9%)	59	0,0018	0,0035

TABLEAU 3 : CAPTEUR DE CONDUCTIVITÉ: CALCUL DES COEFFICIENTS

1ère période (du 19/2 au 15/3) :  $C_{bts} = 0,431715E-01 + 0,998167 * C_s + 0,222434E-04 * C_s^2$

2ème période (15-16/3) :  $C_{bts} = 0,264126E-01 + 0,998854 * C_s + 0,182951E-04 * C_s^2$

3ème période (du 16 au 18/3) :  $C_{bts} = 0,769589E-01 + 0,997157 * C_s + 0,350904E-04 * C_s^2$

où  $C_{bts}$  est la conductivité définitive.

Les figures 8, 9 et 10 présentent la distribution des écarts  $C_{hydro} - C_{bts}$  en fonction respectivement du temps, de la conductivité hydro et de la pression; on peut noter une bonne répartition des valeurs autour du zéro de chaque variable, l'étalonnage est donc satisfaisant.

La figure 11 donne les histogrammes des écarts en conductivité et salinité après étalonnage. 68% des écarts en conductivité et en salinité sont à l'intérieur des filtres respectifs à chaque période.

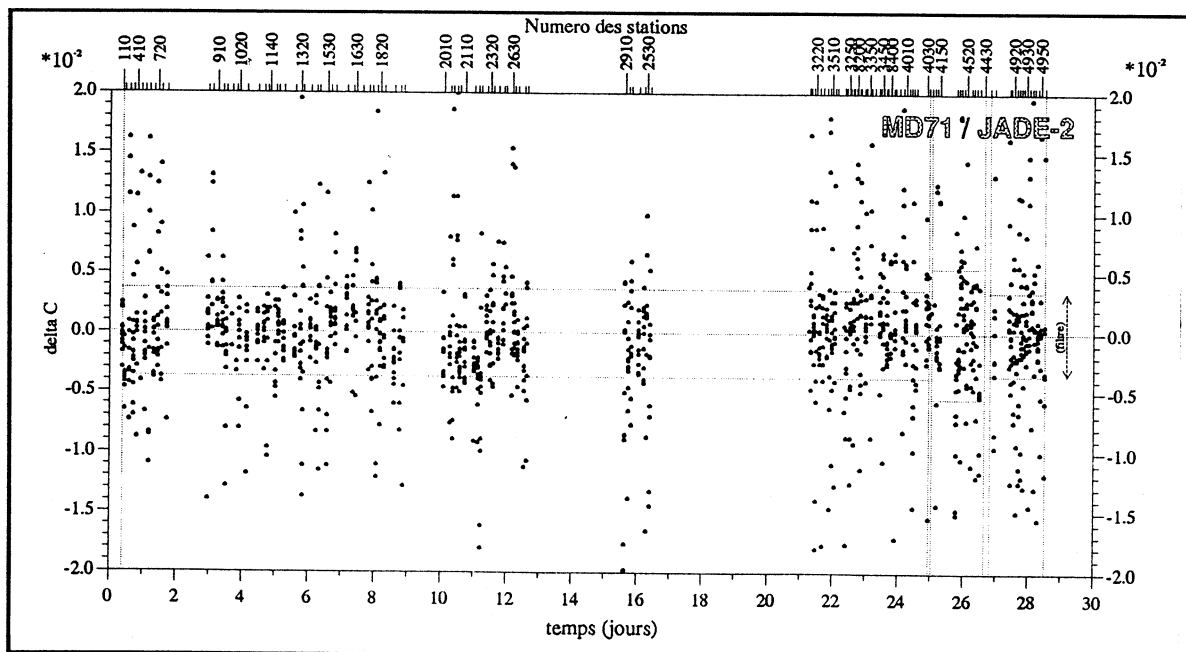


FIGURE 8 : RÉPARTITION DES ÉCARTS  $C_{HYDRO} - C_{SONDE}$  EN FONCTION DU TEMPS APRÈS ÉTALONNAGE (TROIS PÉRIODES)

## D - OXYGENE

### 1 - MÉTHODE

La sonde transmet 2 paramètres pour le calcul de l'oxygène: le courant oxygène (OC) et la température de l'électrolyte (OT).

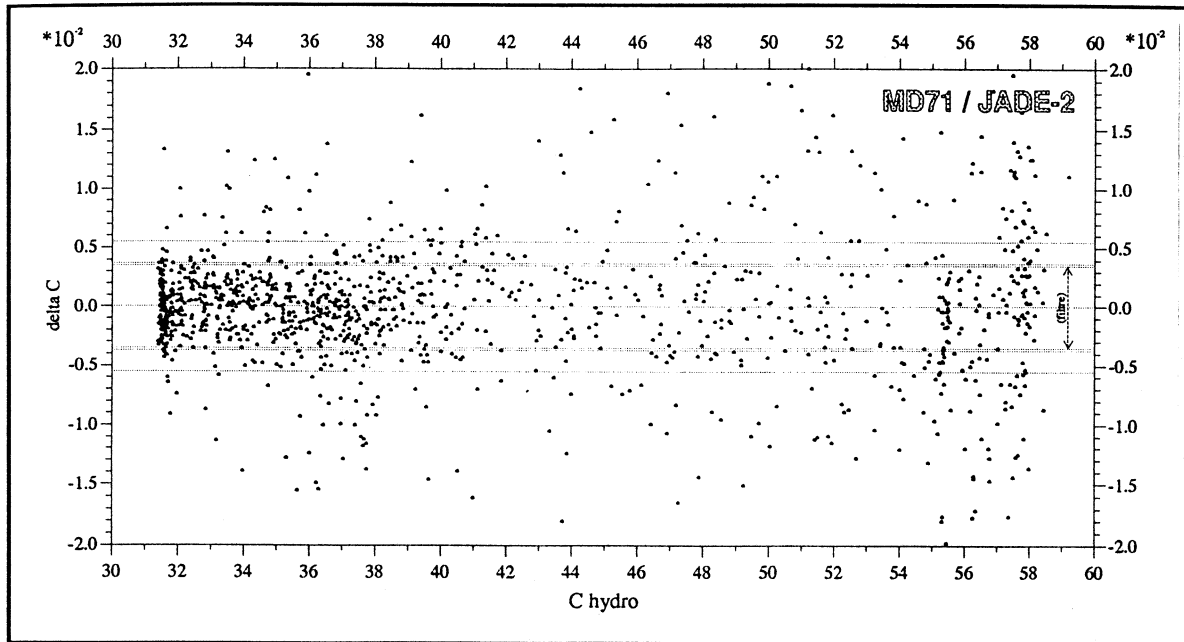


FIGURE 9 : RÉPARTITION DES ÉCARTS  $C_{HYDRO} - C_{SONDE}$  EN FONCTION DE  $C_{HYDRO}$  APRÈS ÉTALONNAGE (3 PÉRIODES)

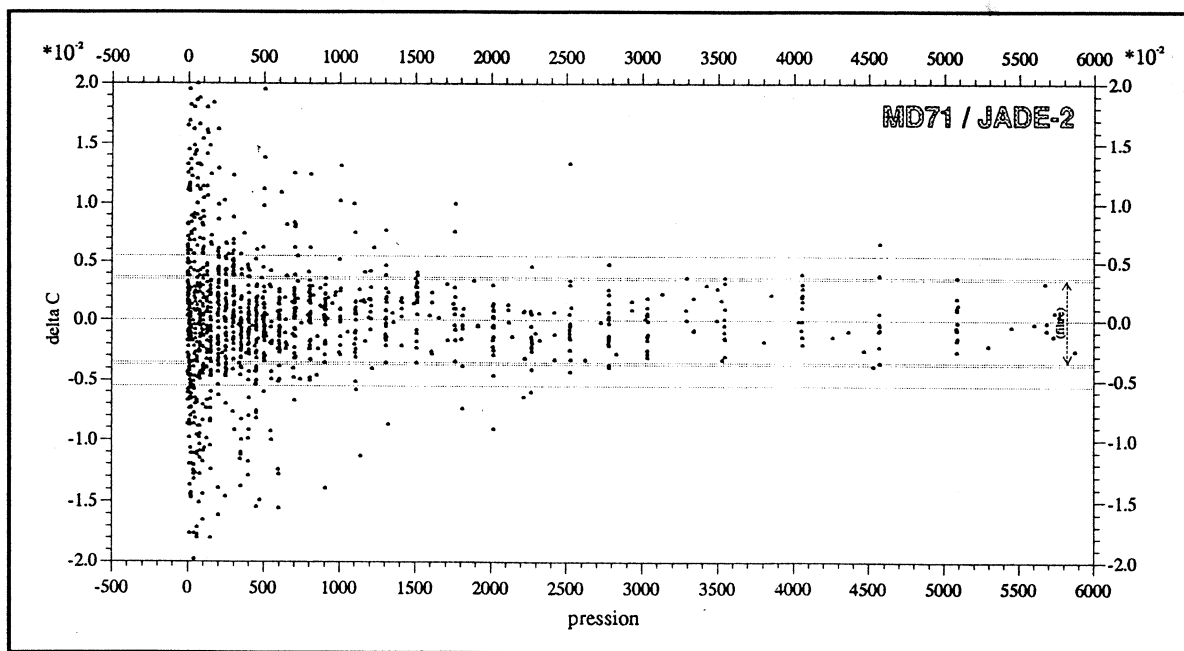


FIGURE 10 : RÉPARTITION DES ÉCARTS  $C_{HYDRO} - C_{SONDE}$  EN FONCTION DE LA PRESSION APRÈS ÉTALONNAGE (3 PÉRIODES)

L'algorithme de calcul de l'oxygène dissous à partir du courant oxygène et de la température de l'électrolyte est le nouvel algorithme de W.Brechner Owens and Robert C. Millard (1985) :

$$O_2 \text{ (ml/l)} = [ Soc * (Oc + \tau * dOc/dt) + Boc ] * OXSAT * \exp [ tcor * (Tc + wt * (OT - Tc)) + pcor * Pc ]$$

où :

Oc = Courant Oxygène

OT= Température de l'électrolyte du capteur

Tc= température de l'eau de mer donnée par la sonde (température calibrée)

Pc= pression donnée par la sonde (pression calibrée)

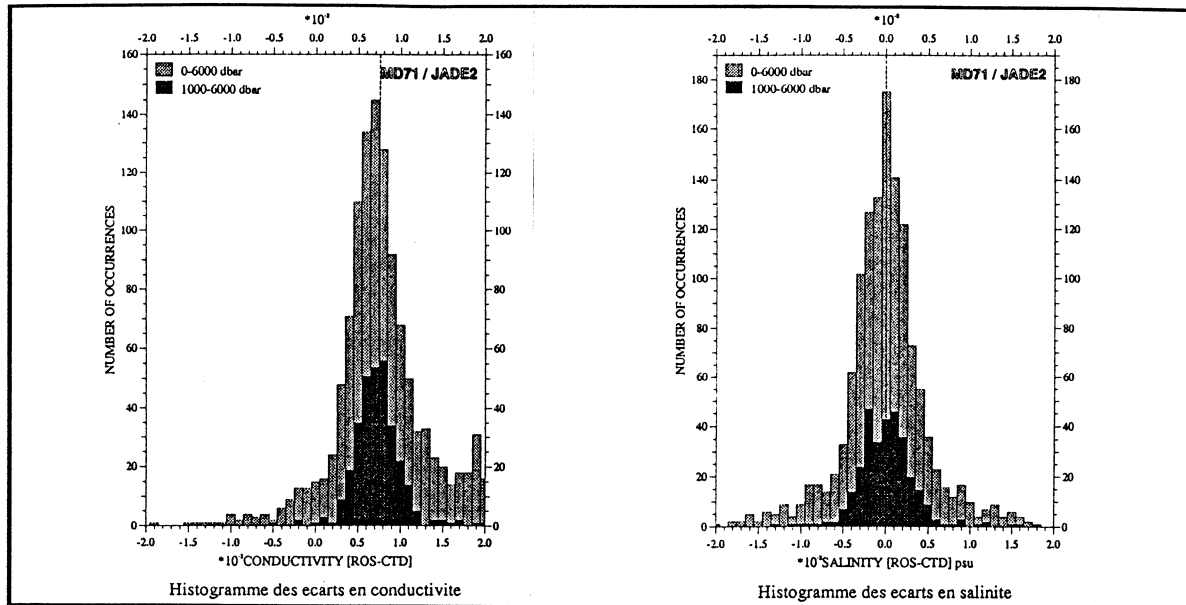


FIGURE 11

par OXSAT = valeur d'oxygène à saturation (à la température  $T_c$  et la salinité  $S$  données

la sonde ( formule de Weiss (1970)

$t_{cor}$  = facteur de correction de l'effet de température sur la membrane

$p_{cor}$  = facteur de correction de l'effet de pression sur la membrane

$w_t$  = facteur de pondération de l'écart ( $O_T - T_c$ )

$Soc$  = pente du courant oxygène

$Boc$  = biais du courant oxygène

$\tau$  = temps de reponse du capteur

$(dO_c/dt)$  = gradient du courant oxygène en fonction du temps obtenue par la méthode des moindres carrés sur un intervalle de 11 dbar

Les 6 coefficients  $Soc$ ,  $Boc$ ,  $\tau$ ,  $t_{cor}$ ,  $w_t$  et  $p_{cor}$  sont déterminés par une procédure d'ajustement itérative. Les valeurs d'oxygène de la sonde sont ajustées aux valeurs d'oxygène des prélèvements par une méthode minimisant la somme des carrés des différences. Les calculs sont renouvelés après élimination des points pour lesquels la différence  $O_2(hdro) - O_2(ctd)$  est supérieure à 2 fois l'écart-type.

Le processus s'arrête quand il n'y a plus de valeurs à éliminer (processus analogue à celui de la conductivité).

## 2 - RÉSULTATS

L'évolution des écarts  $\Delta O_2$  ( $O_2$ échantillon- $O_2$ sonde) en fonction du temps (figure 16) a conduit à scinder l'ensemble des points en 5 groupes ou périodes. La méthode de calcul appliquée à chacun des groupes donne les résultats indiqués dans le tableau 4 ci-dessous.

Groupe stations	Nb de points	Nb de passages	Nb de points retenus	Nb de points $\Delta O_2 < 0,075$	$\sigma$
1 (210-1140)	213	12	140 (65,7%)	65,7%	0,039
2 (1230-1930)	248	15	142 (57,3%)	67,7%	0,023
3 (2010-2820)	203	11	141 (69,5%)	80,8%	0,023
4 (2910-2440)	77	10	55 (71,4%)	75,3%	0,028
5 (3110-4830)	528	17	314 (59,5%)	72,7%	0,022
total	1269		792 (62,4%)		

TABLEAU 4 : CAPTEUR D'OXYGÈNE - CALCUL DES COEFFICIENTS

COEFFICIENTS des 5 périodes :

	Soc	Boc	tau	tcor	wt	pcor
1ère période	-0,107511E-01	0,404400E-02	0,149940E-03	-0,324574E-01	0,796146	5,82673
2ème période	-0,333015E-01	0,423073E-02	0,152078E-03	-0,347006E-01	0,723559	3,57674
3ème période	-0,129833E-01	0,401118E-02	0,151028E-03	-0,327703E-01	0,734998	3,89619
4ème période	0,641019E-02	0,364725E-02	0,167205E-03	-0,290904E-01	0,741434	1,90483
5ème période	0,260462E-01	0,315956E-02	0,204136E-03	-0,247157E-01	0,690700	5,79880

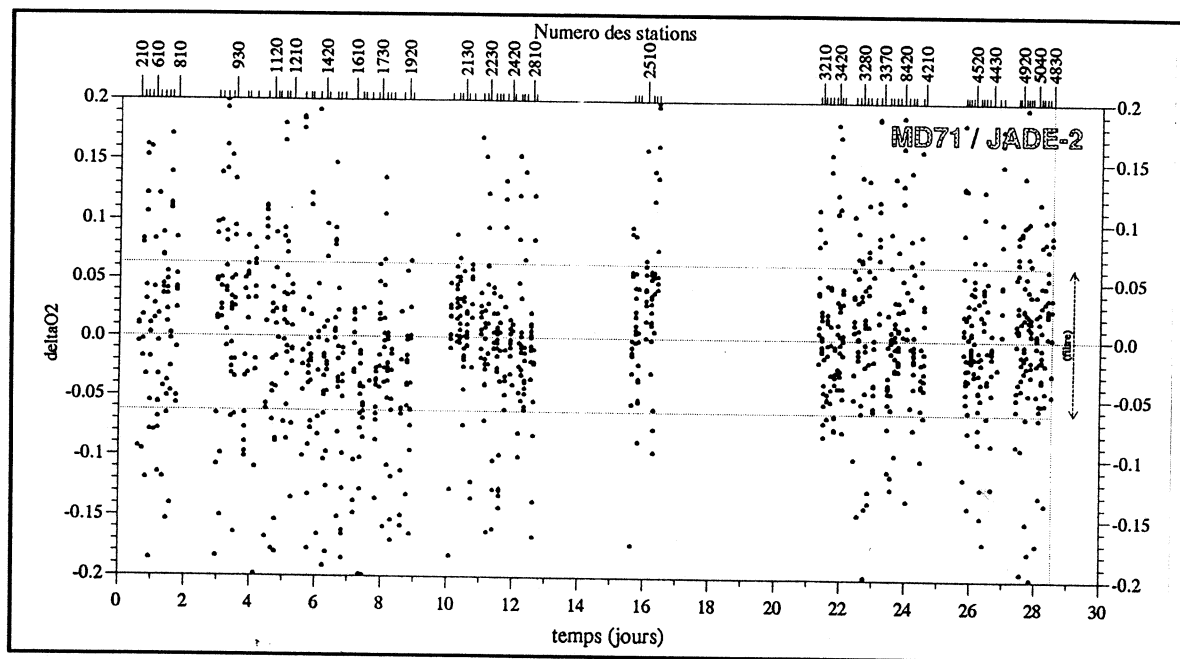


FIGURE 12 : RÉPARTITION DE ÉCARTS O<sub>2</sub> (HYDRO) - O<sub>2</sub>(SONDE) EN FONCTION DU TEMPS  
(UNE SEULE PÉRIODE)

La figure 13 présente la distribution des écarts en fonction du temps en utilisant les 5 séries de coefficients.

Les figures 14 et 15 présentent les distributions de delta O<sub>2</sub> en fonction respectivement de l'oxygène et de la pression. La figure 16 donne l'histogramme des écarts d'oxygène après étalonnage.

## II - VALIDATION ET REDUCTION DES DONNEES CALCUL DES PARAMETRES HYDROLOGIQUES

La sonde transmet 32 fois par seconde un cycle complet de 5 mesures (pression, température, conductivité, courant oxygène et température oxygène). Les 2 mesures d'oxygène sont moyennées sur 1024 millisecondes, la même valeur est donc transmise dans 32 cycles consécutifs.

La réduction des mesures consiste à obtenir des valeurs moyennes tous les décibars suivant la méthode mise au point par A. Billant (1984, 1986):

Les pressions brutes sont d'abord recalées selon la méthode indiquée en I, A.

Ensuite, à chaque cycle de mesure, chacun des paramètres est comparé à sa valeur précédente validée; si l'écart entre 2 valeurs consécutives est supérieur au filtre choisi, le cycle complet de mesures est supprimé. Les mesures de chaque cycle sont rangées dans un tableau centré sur  $P_{ref}$ , entre  $P_{ref} - 1$  dbar et  $P_{ref} + 1$  dbar; la moyenne est calculée et affectée à  $P_{ref}$ .

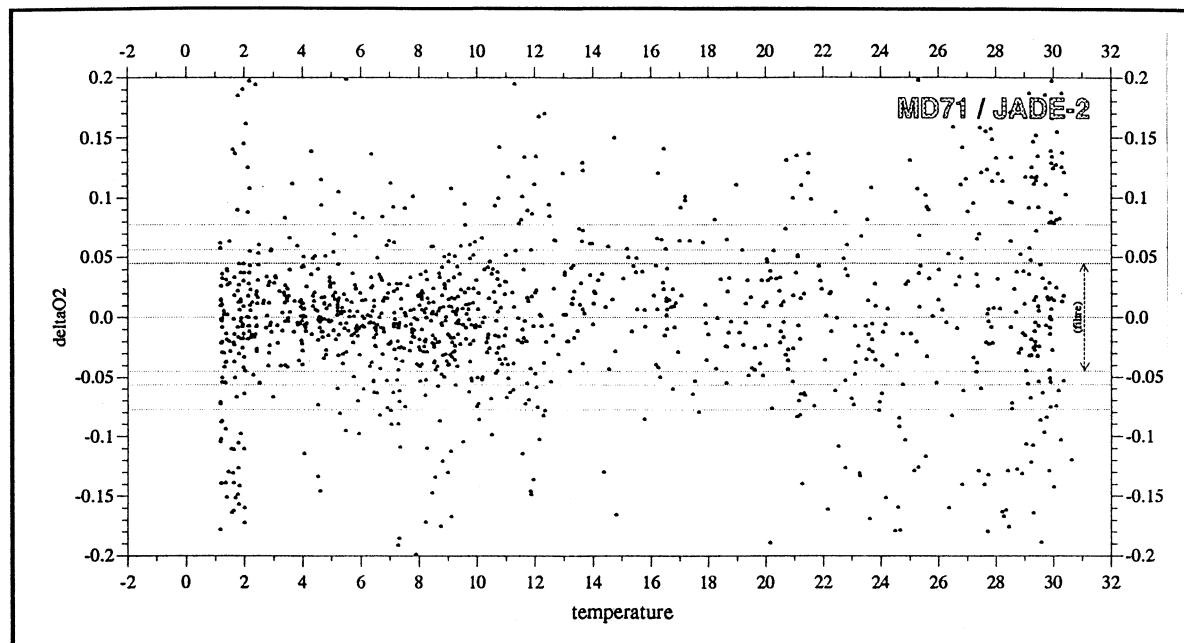


FIGURE 13 : RÉPARTITION DE ÉCARTS  $O_2$  (HYDRO) -  $O_2$ (SONDE) EN FONCTION DU TEMPS (5 PÉRIODES)

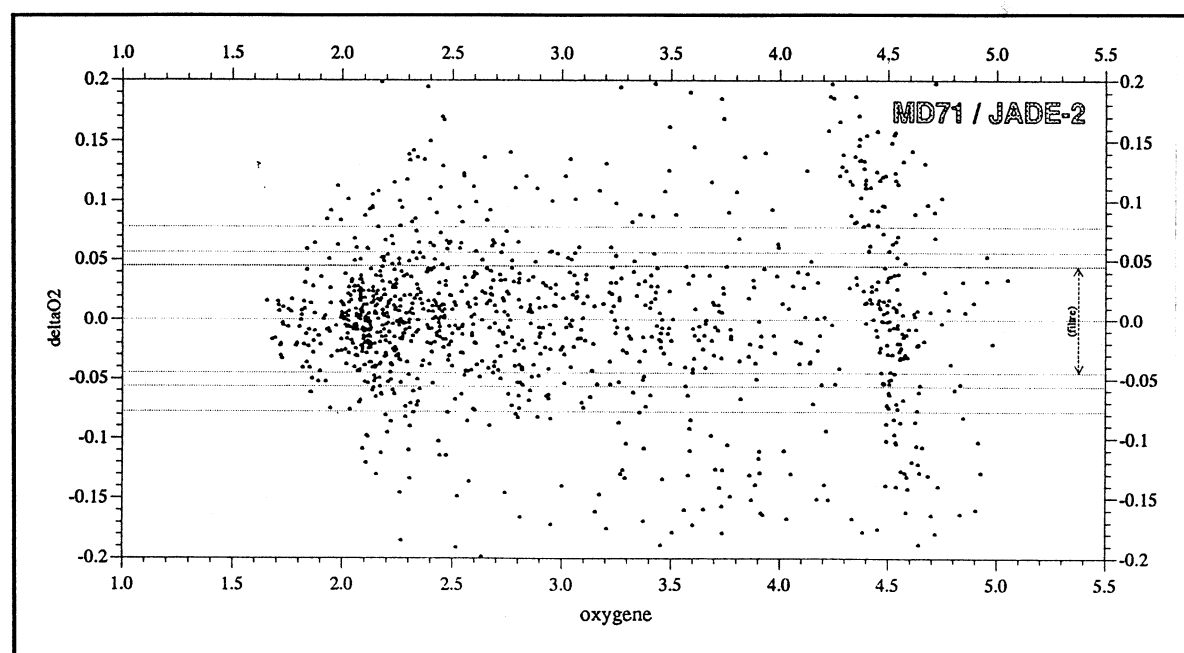


FIGURE 14 : RÉPARTITION DE ÉCARTS  $O_2$  (HYDRO) -  $O_2$ (SONDE) EN FONCTION DE  $O_2$  (APRÈS ÉTALONNAGE)

D'autre part pour tenir compte de la différence entre les temps de réponse des capteurs, la mesure de conductivité est décalée de 5 cycles avant d'être rangée au même indice que la mesure de température correspondante.

Le programme de réduction (1 dbar) et de validation des données laisse apparaître, dans les forts gradients, des inversions de densité créées par des pics de salinité. Des anomalies de salinité sont parfois également rencontrées dans les couches profondes homogènes. L'examen des valeurs P, T, S, sigma de part et d'autre de ces inversions permet de déceler les valeurs aberrantes éventuelles. Les niveaux des valeurs manifestement aberrantes sont alors supprimés. Cinquante niveaux ont été supprimés sur l'ensemble des stations de la campagne.

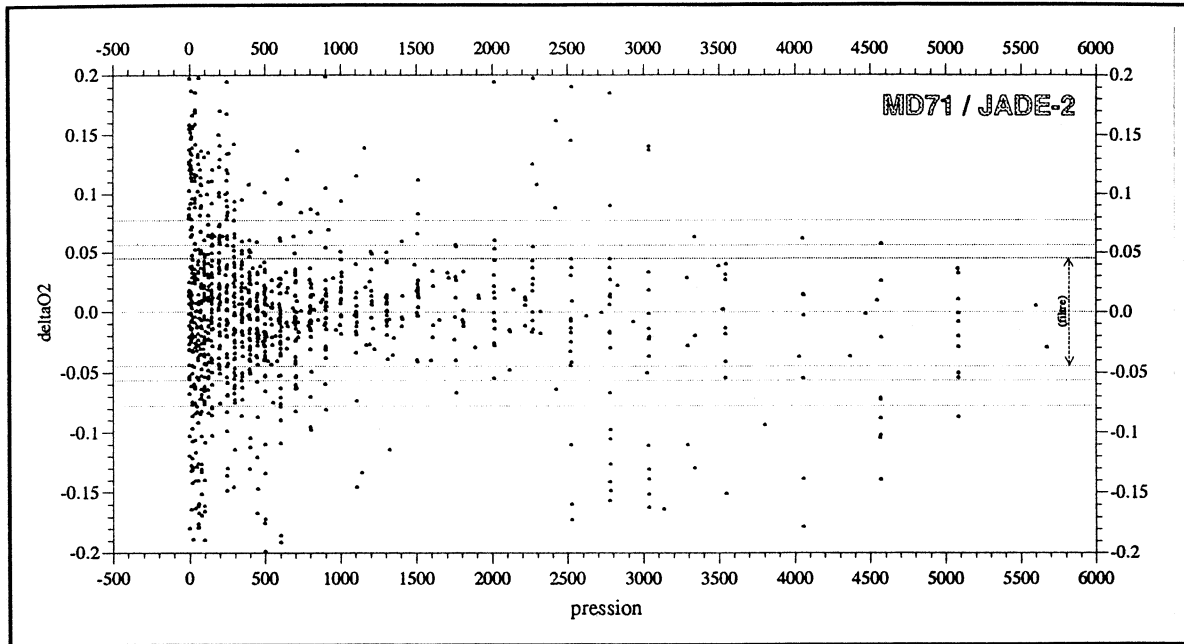


FIGURE 15 : RÉPARTITION DE ÉCARTS O<sub>2</sub> (HYDRO) - O<sub>2</sub>(SONDE) EN FONCTION DE LA PRESSION (APRÈS ÉTALONNAGE)

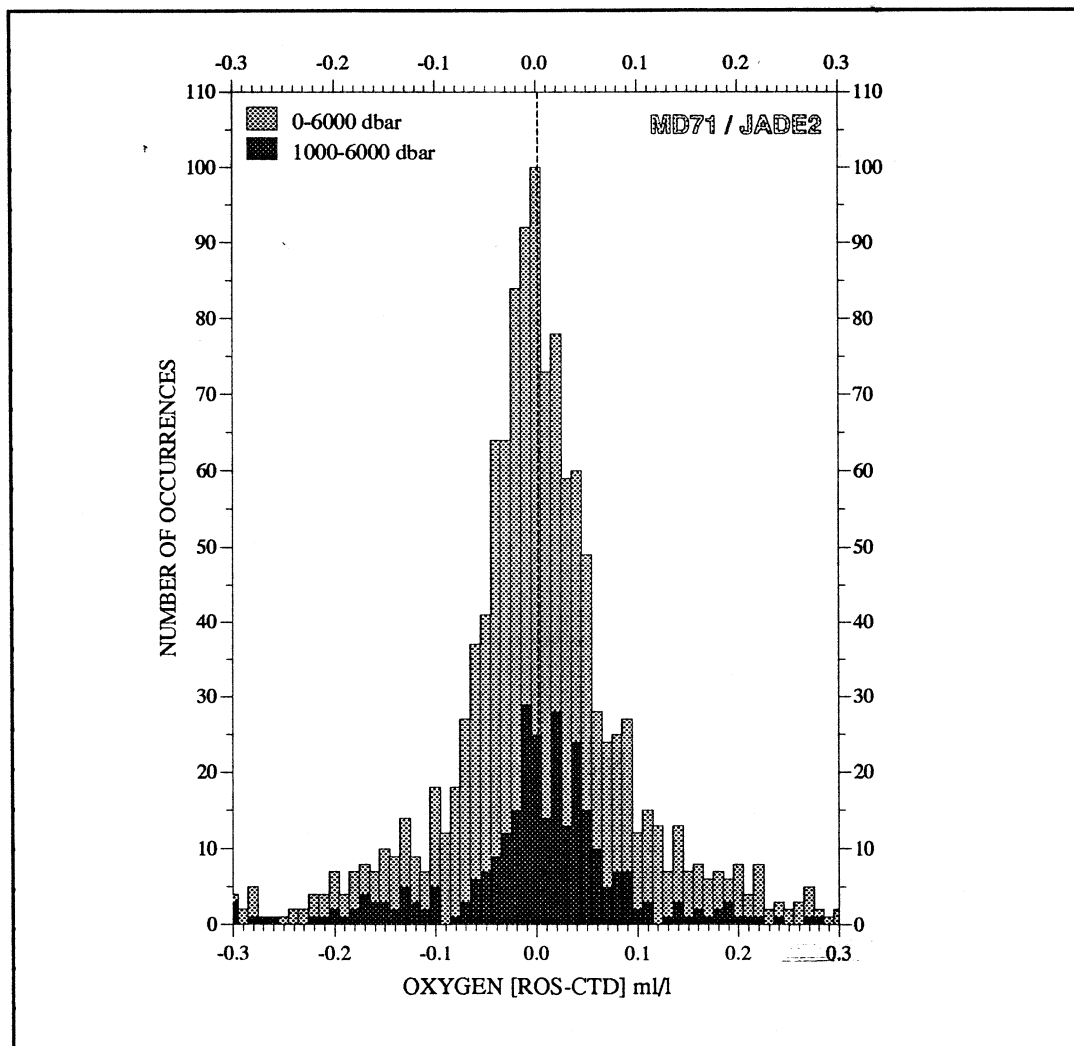


FIGURE 16 : HISTOGRAMME DES ÉCARTS EN OXYGÈNE

La station 4430 présentait un décalage brutal (0,3) en salinité à 150 m; les niveaux de 150 à 750m ont été supprimés. Les 400 derniers niveaux de la station 1711 (profil remontée) de 400 dbar à la surface ont été rejetés, car manifestement erronés.

Une seconde réduction, à 10 décibars, est obtenue en faisant la moyenne arithmétique des grandeurs mesurées T, S et O<sub>2</sub> dans la couche à plus ou moins 5 dbar de part et d'autre de la pression P<sub>ref</sub>. A partir de ces valeurs moyennées, on calcule les températures potentielles et sigma<sub>0</sub>-théta.

En résumé, deux séries de données sont disponibles:

- données réduites au décibar: P, T, S, O<sub>2</sub>
- données réduites à 10 décibars: P, T, Tp, S, sigma, O<sub>2</sub>

(Les valeurs d'oxygène sont exprimées en ml/l).

### III - FORMULES UTILISEES

- Salinité : échelle pratique de salinité 1978 (PSU 78)
- Gamma : nouvelle équation d'état de l'eau de mer, 1980 (EOS 80)
- Température potentielle : formule de BRYDEN H., 1973. *Deep Sea Res.*, 1976,23,109-11.

En ce qui concerne les calculs de conductivité *in situ* à partir d'une salinité et inversement, d'une salinité à partir d'une conductivité *in situ*, l'algorithme utilisé est celui de Fofonoff et Millard (1983)

$$C(s,t,p) = C(s,t,p)/C(s,t,0) \times C(s,t,0)/C(35,t,0) \times C(35,t,0)/C(35,15,0) \times C(35,15,0)$$

$$C(s,t,p) = R_p \times R_t \times r_t \times C(35,15,0)$$

avec : conductivité de l'eau, 35 PSU, à 15 °C et à P=1 atmosphère standard

C(35,15,0) = 42.9140 mmho cm<sup>-1</sup>, valeur proposée par CULKIN et SMITH (1980)

- Saturation de l'oxygène : formule de Benson et Krause (1984),
- Conversion de l'oxygène de ml/l en micromole/kg : équation de Culberson (1991):  

$$O_2 \text{ (micromole/kg)} = 44.660 \times O_2 \text{ (ml/l)} / r_{sw}$$
 ( r<sub>sw</sub> = densité de l'eau de mer à la température à laquelle l'échantillon a été prélevé)

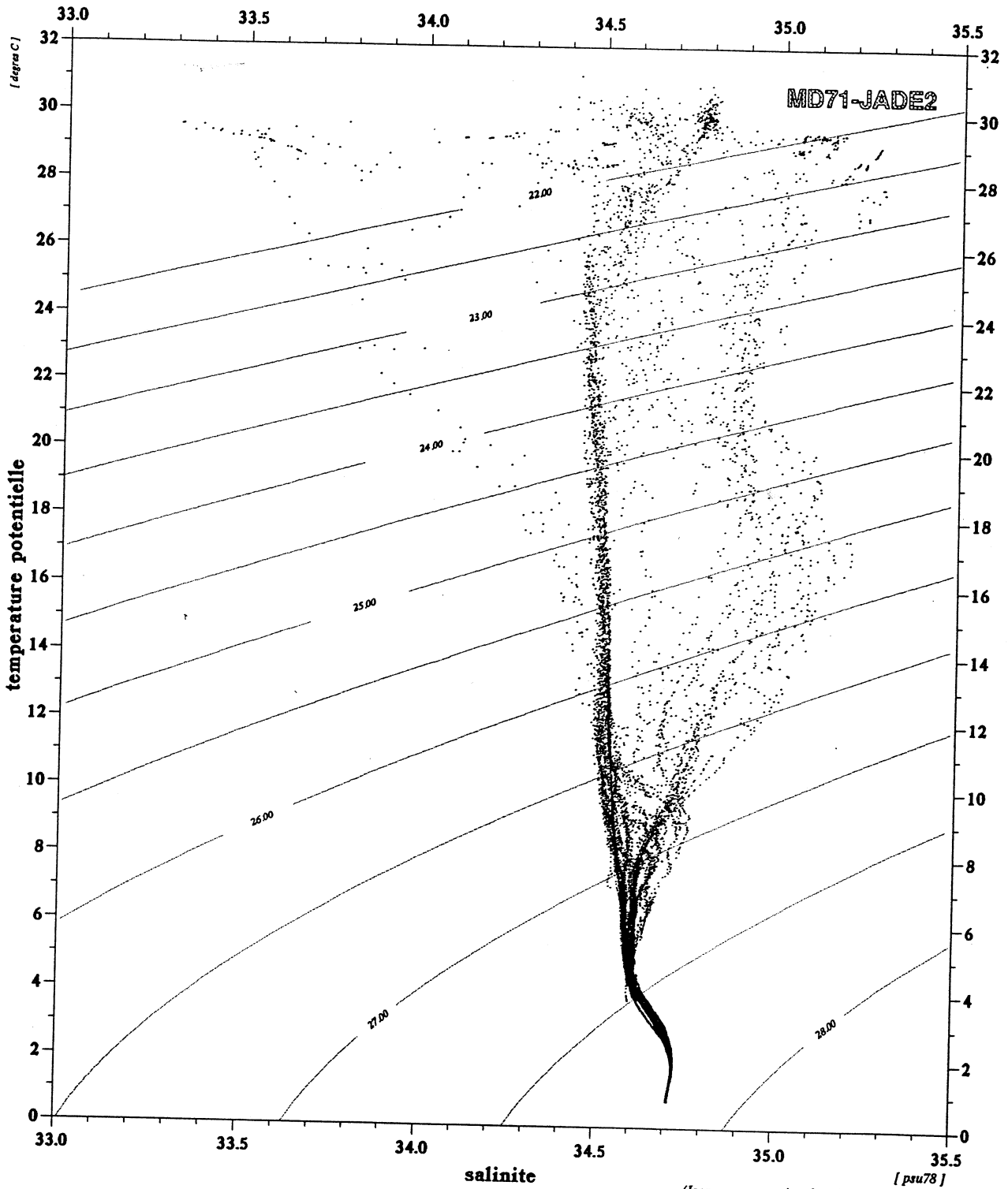
### IV - REFERENCES

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**Diagrammes Theta / S, S / O<sub>2</sub> et Theta / O<sub>2</sub>  
pour toute la campagne**

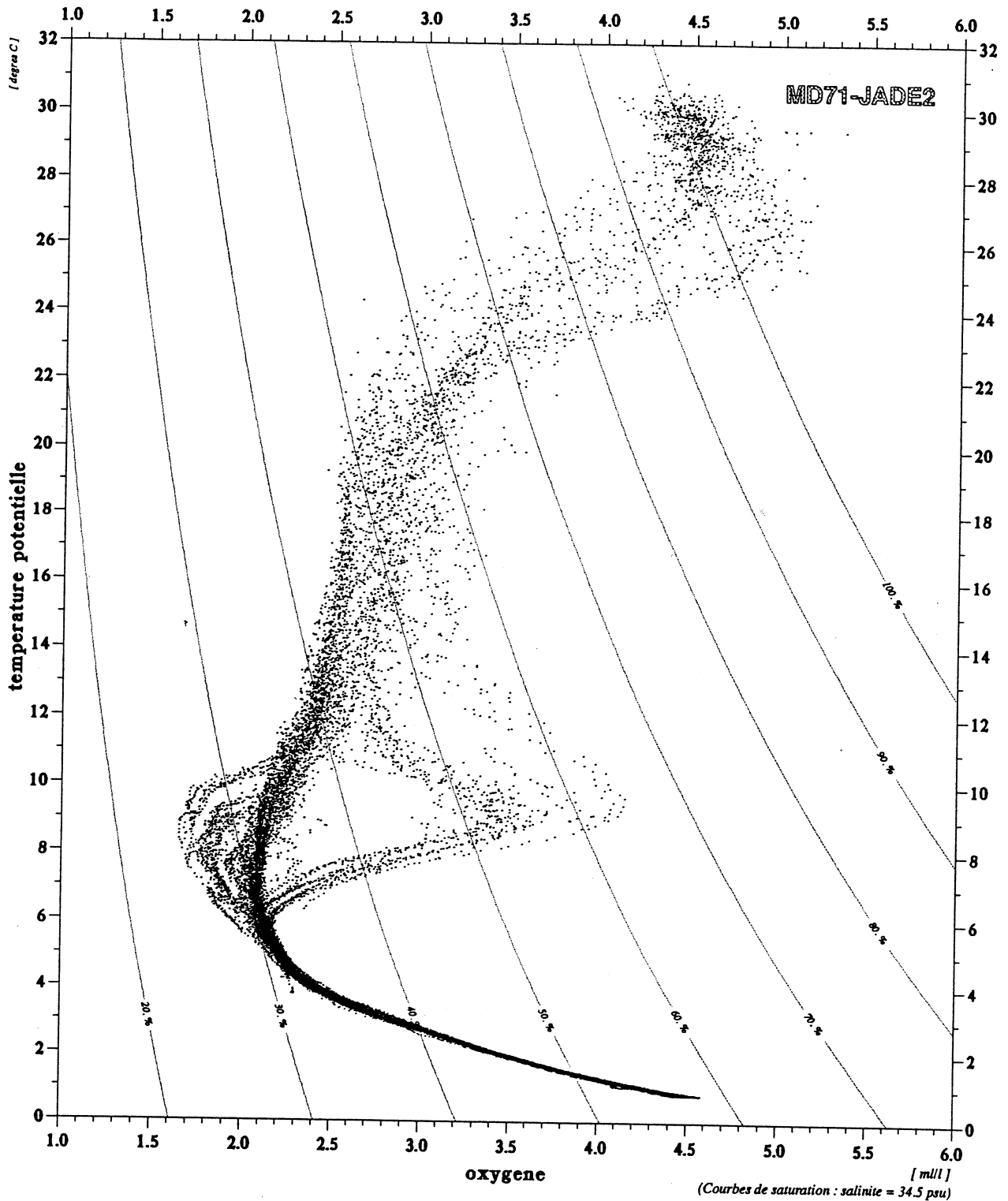


# Diagramme temperature potentielle / salinite



Niveaux reduits a 10 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
Entre les pressions 0 et 6000  
Ensemble des points (10dbars) des stations

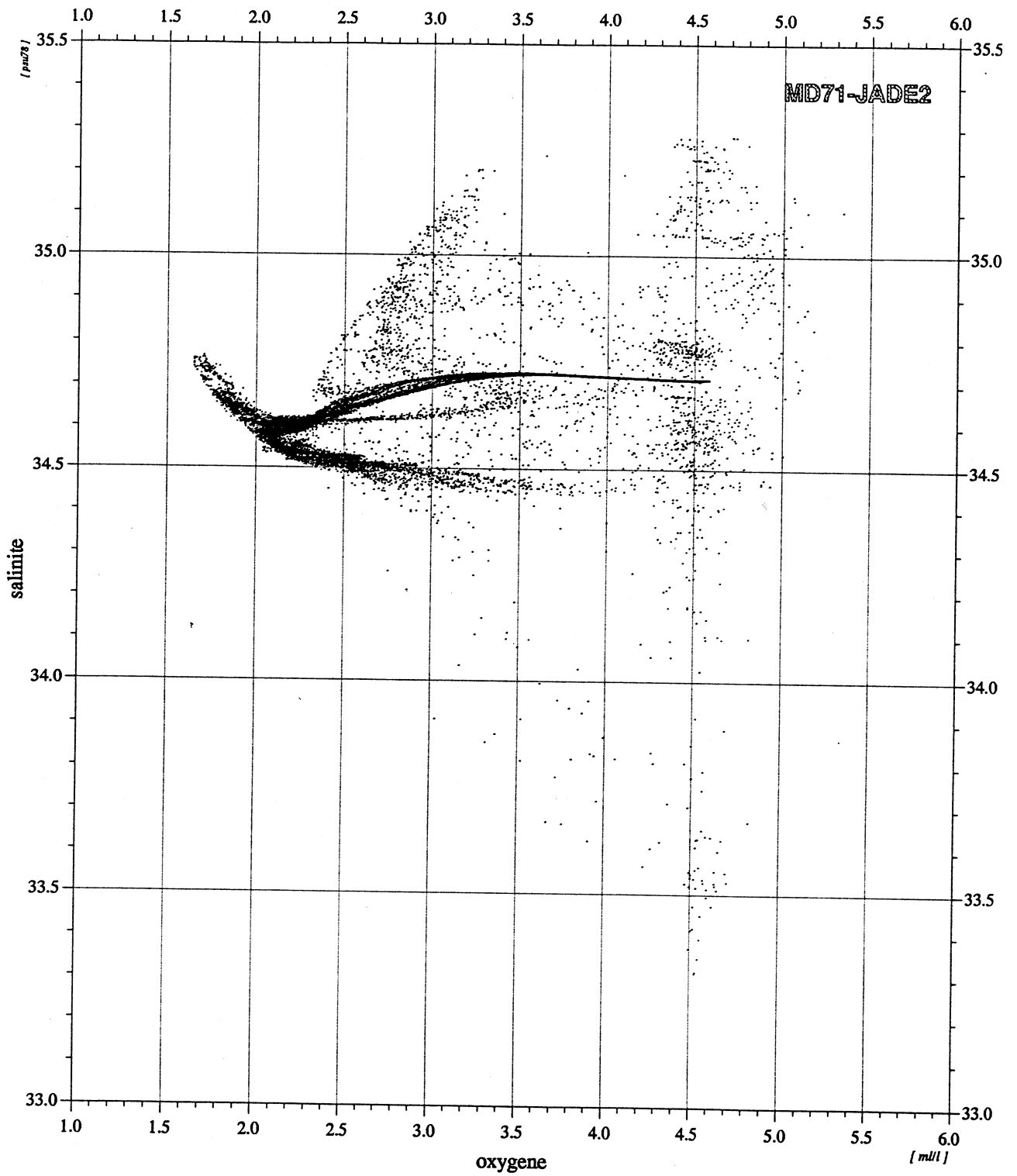
# Diagramme temperature potentielle / oxygene



Niveaux reduits a 10 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
Entre les pressions 0 et 6000  
Ensemble des points (10dbars) des stations

(Courbes de saturation : salinite = 34.5 psu)

# Diagramme salinite / oxygene



Niveaux reduits a 10 dbar

Bathysonde : NEIL-BROWN type Mark III no 01-1116

Entre les pressions 0 et 6000

Ensemble des points (10dbars) des stations

## **Listing réduit des données**

**Profils verticaux de  $\theta$ , S, O<sub>2</sub>,  $\sigma_\theta$  pour chaque station**

**Diagrammes  $\theta$ -S,  $\theta$  - O<sub>2</sub> et S - O<sub>2</sub> pour chaque station**

94/01/24  
13:33:29

STATION-0110

1

JADE 92

station : 1.10

donnees reduites a 10 dbar

le 19/ 2/1992 a 9.21 tu -19.3907 118.2315 sonde: 35 m ( 35.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
	3.	3.0	27.030	27.030	35.237	22.889	22.886	39.049	159.1	3.64	79.6	496.5	0.000	1539.5	0.00
fin	8.	8.0	27.016	27.014	35.236	22.893	22.890	39.054	159.2	3.65	79.7	496.3	0.025	1539.5	2.77

Vitesse verticale moyenne du son entre 3. et 8. dbar : 1539.5 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

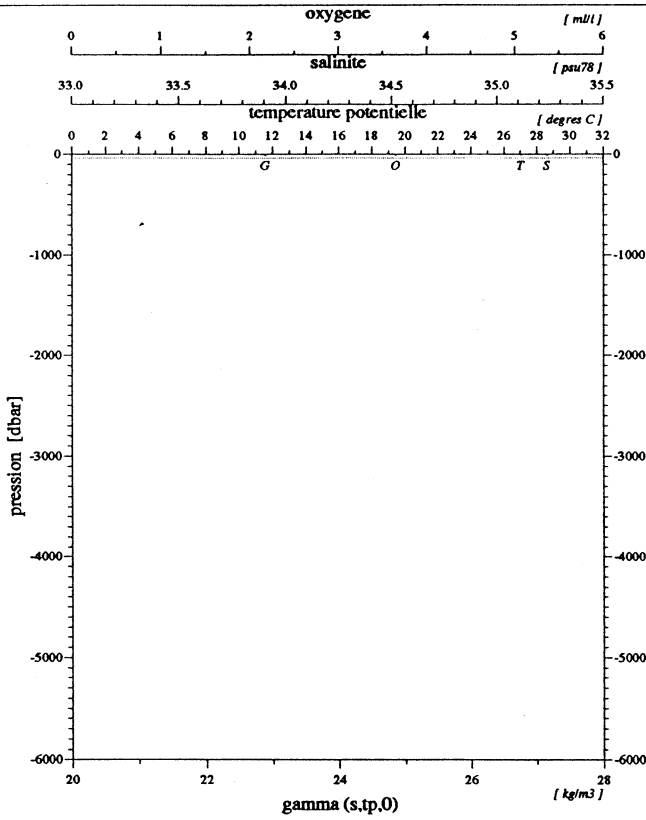


Diagramme salinite / oxygene

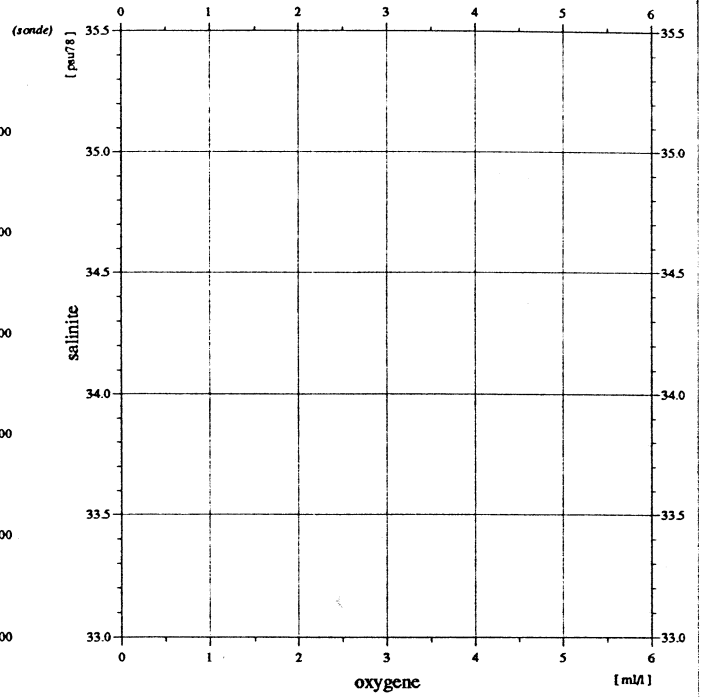


Diagramme temperature potentielle / salinite

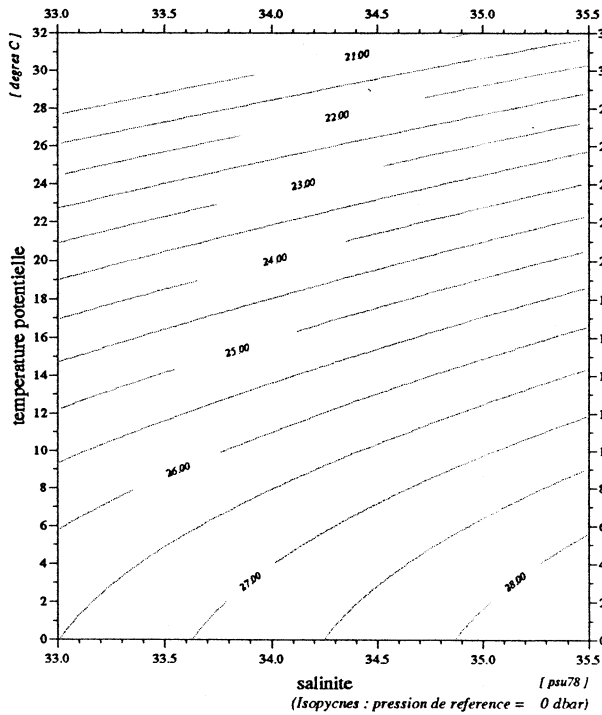
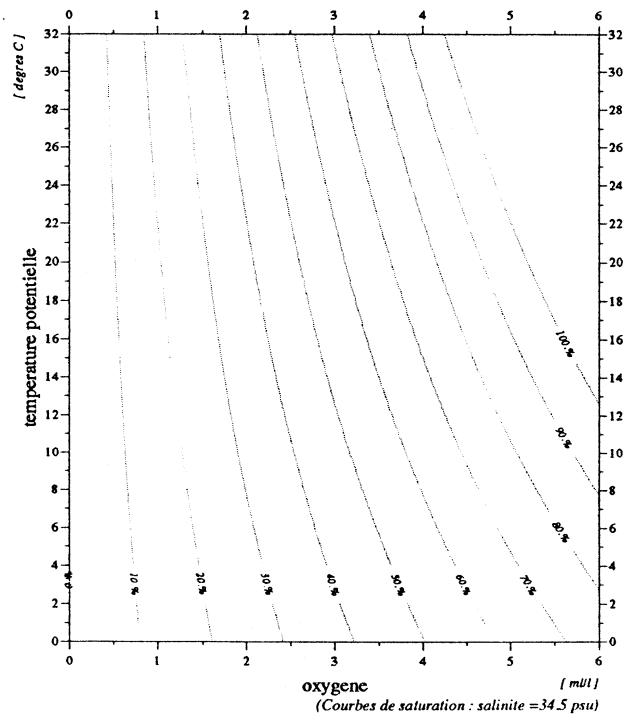


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	8.
temperature	27.030	27.016
theta	27.030	27.014
salinite	35.237	35.236
gamma (s,tp,0)	22.889	22.893
oxygene	3.64	3.65

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 35 m ( 35 dbar)	
19- 2-1992	19.39' 0 S
9.21 tu	118.23' 1 E

MD71/JADE2

Station 1.10

94/01/24  
13:33:29

STATION-0120

1

JADE 92

station : 1.20

donnees reduites a 10 dbar

le 19/ 2/1992 a 10.44 tu -19.3902 118.2381 sonde: 35 m ( 35.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
	2.	2.0	26.955	26.954	35.236	22.913	22.910	39.076	200.0	4.58	100.1	494.2	0.000	1539.3	0.00
	10.	9.9	26.936	26.934	35.235	22.918	22.915	39.083	200.4	4.59	100.2	494.0	0.040	1539.4	3.10
fin	11.	10.9	26.909	26.906	35.235	22.927	22.924	39.093	200.7	4.60	100.3	493.3	0.044	1539.3	5.13

Vitesse verticale moyenne du son entre 2. et 11. dbar : 1539.3 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

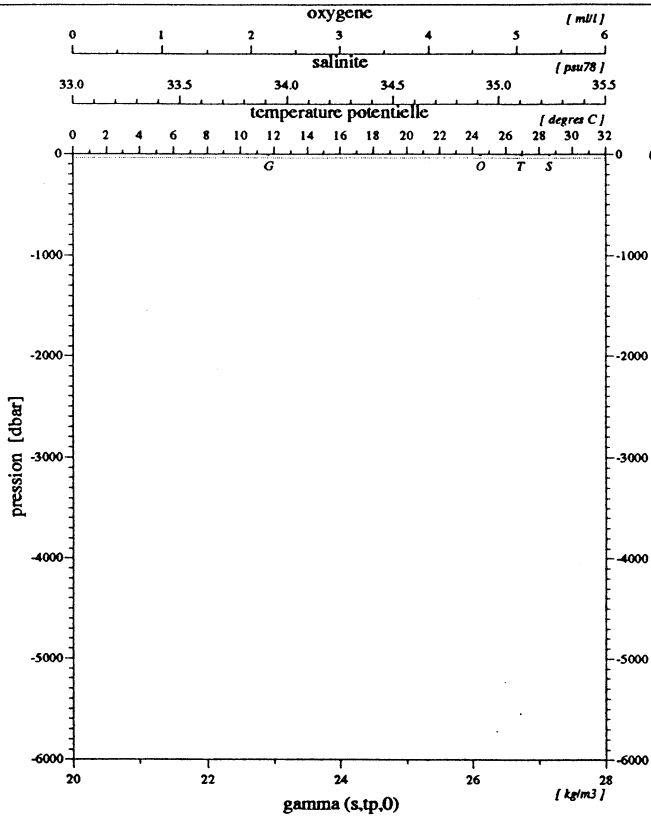


Diagramme salinite / oxygene

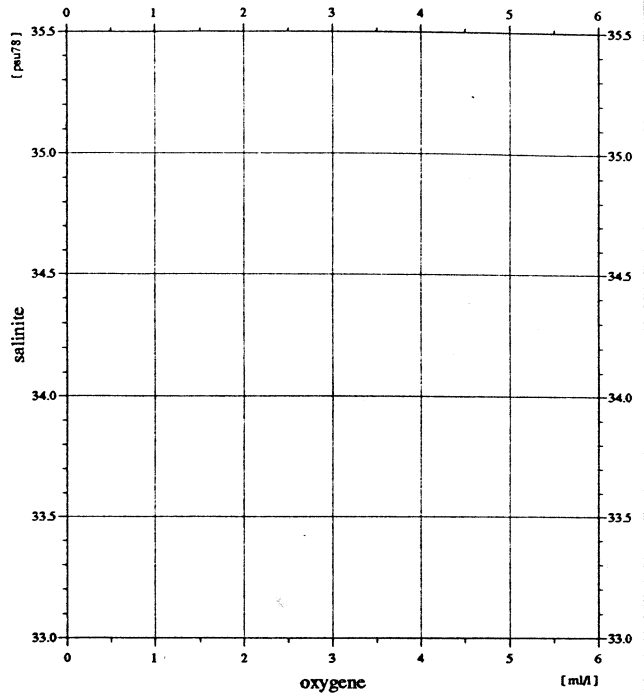


Diagramme temperature potentielle / salinite

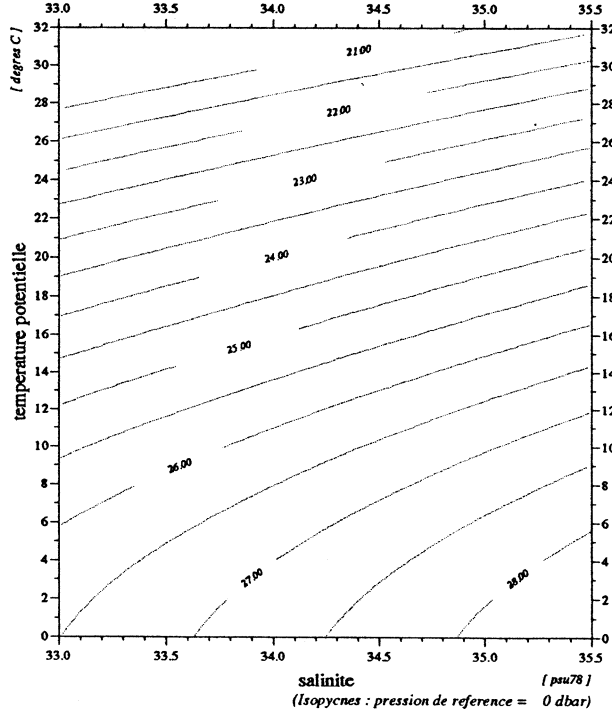
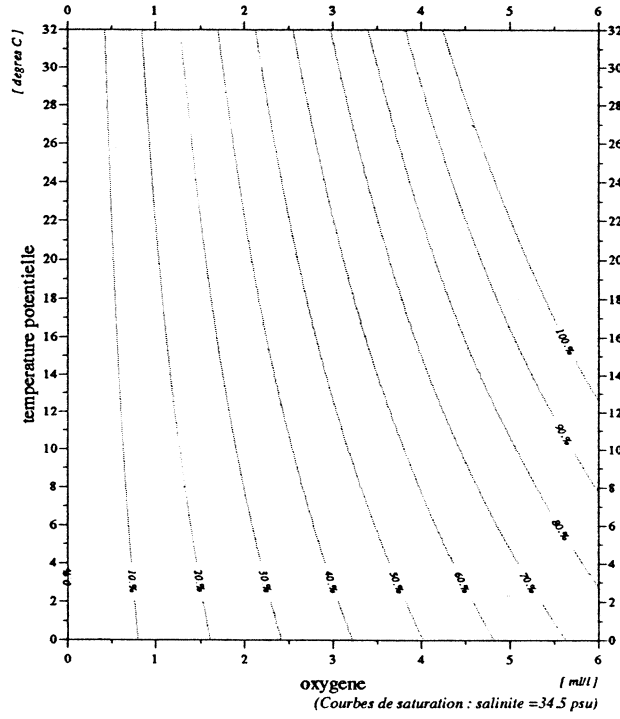


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	11
temperature	26.955	26.909
theta	26.954	26.906
salinite	35.236	35.235
gamma (s,tp,0)	22.913	22.927
oxygene	4.58	4.60

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
13/1/94

sonde	35 m ( 35 dbar)
19- 2-1992	19.39' 0 S
10.44 tu	118.23' 8 E

MD71/JADE2

Station 1.20



94/01/24  
13:33:30

STATION-0210

1

JADE 92

station : 2.10

donnees reduites a 10 dbar

le 19/ 2/1992 a 14.15 tu -19.1106 118.1427 sonde: 85 m ( 86.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son) (cph)	bva (cph)
2.	2.0	27.874	27.874	35.278	22.647	22.645	38.768	192.6	4.41	97.8	519.5	0.000	1541.4	0.00
10.	9.9	27.872	27.869	35.279	22.649	22.646	38.770	193.3	4.43	98.1	519.7	0.042	1541.5	0.00
20.	19.9	27.881	27.876	35.278	22.647	22.643	38.767	196.9	4.51	100.0	520.5	0.094	1541.7	1.24
30.	29.8	27.799	27.792	35.274	22.670	22.666	38.795	197.4	4.52	100.1	518.7	0.146	1541.7	4.66
40.	39.8	25.622	25.613	35.042	23.187	23.182	39.419	194.6	4.46	95.1	469.7	0.195	1536.6	12.93
50.	49.7	23.737	23.726	34.993	23.718	23.713	40.047	148.8	3.41	70.4	419.3	0.239	1532.1	4.68
60.	59.6	23.704	23.692	34.992	23.728	23.723	40.059	150.7	3.45	71.3	418.8	0.281	1532.2	0.88
70.	69.6	23.699	23.684	34.991	23.730	23.724	40.061	150.1	3.44	71.0	419.1	0.323	1532.4	0.62
fin	71.	70.6	23.702	23.687	34.992	23.729	23.723	40.060	150.2	71.1	419.2	0.327	1532.4	0.00

Vitesse verticale moyenne du son entre 2. et 71. dbar : 1537.3 m/s

Pression de reference pour gamprf : 4000. dbar

Profils verticaux

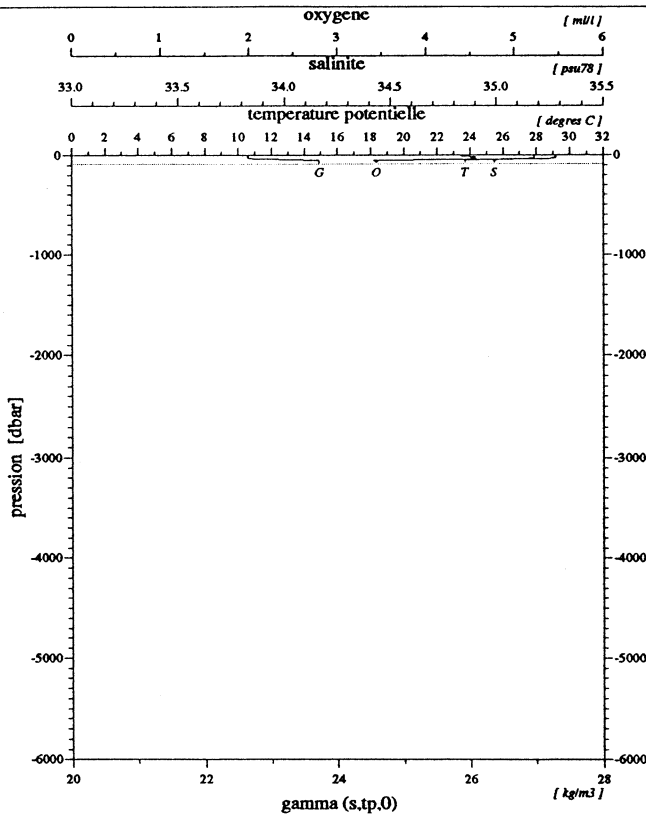


Diagramme salinite / oxygene

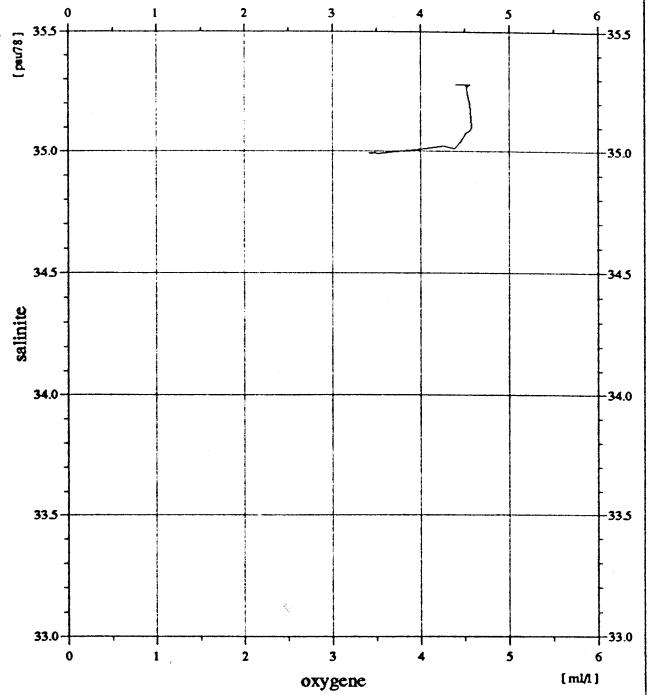


Diagramme temperature potentielle / salinite

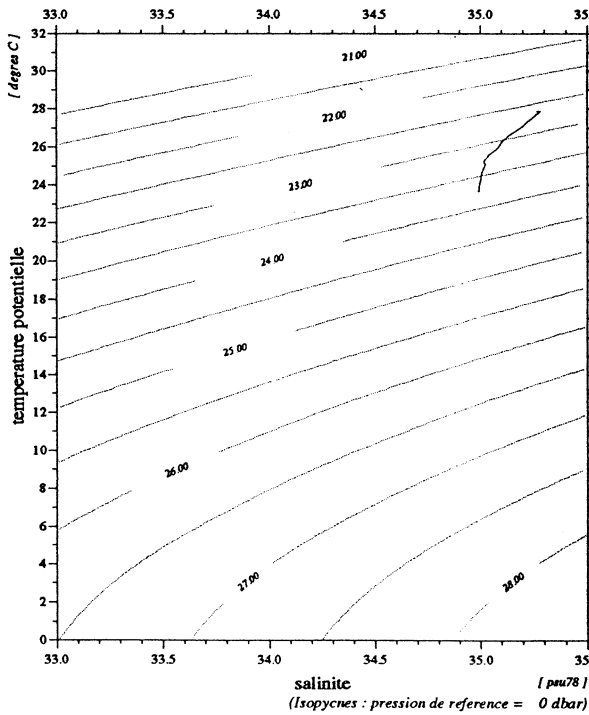
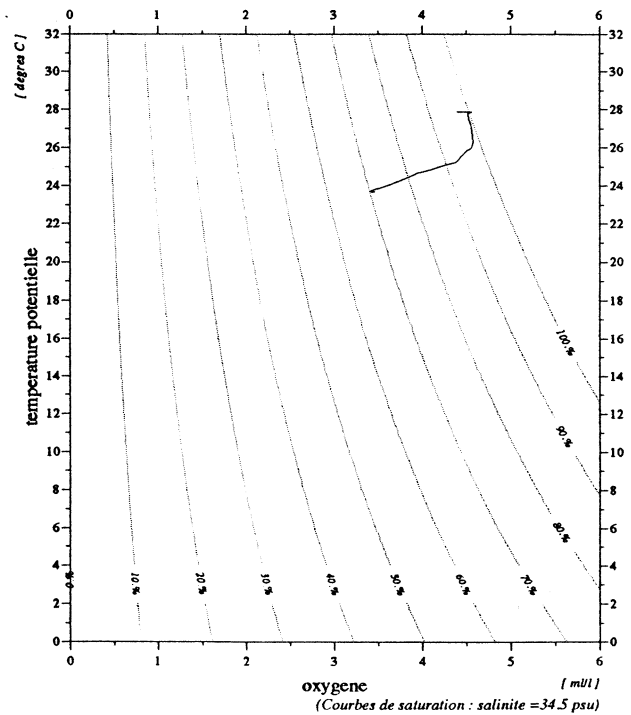


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	71.
temperature	27.874	23.702
theta	27.874	23.688
salinite	35.278	34.992
gamma (s,tp,0)	22.647	23.729
oxygene	4.41	3.44

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 85 m ( 86 dbar)	
19- 2-1992	19.11' 0 S
14.15 tu	118.14' 2 E

MD71/JADE2

Station 2.10

94/01/24  
13:33:30

STATION-0310

1

JADE 92

station : 3.10

donnees reduites a 10 dbar

le 19/ 2/1992 a 17.19 tu -18.4193 118.0491 sonde: 153 m ( 154.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	27.722	27.721	35.282	22.699	22.697	38.827	205.8	4.71	104.2	514.5	0.000	1541.0	0.00
10.	9.9	27.730	27.728	35.282	22.698	22.695	38.825	205.5	4.71	104.1	515.1	0.041	1541.2	0.00
20.	19.9	27.733	27.729	35.282	22.697	22.694	38.824	206.7	4.73	104.7	515.6	0.093	1541.4	0.88
30.	29.8	27.518	27.511	35.263	22.753	22.749	38.891	209.9	4.81	106.0	510.7	0.144	1541.0	6.10
40.	39.8	26.981	26.972	35.228	22.900	22.895	39.063	203.1	4.65	101.6	497.1	0.195	1540.0	4.66
50.	49.7	25.899	25.888	35.126	23.165	23.160	39.382	204.1	4.68	100.3	472.2	0.243	1537.5	10.15
60.	59.6	24.923	24.910	35.072	23.424	23.419	39.691	183.0	4.19	88.4	447.8	0.289	1535.3	6.97
70.	69.6	23.916	23.901	35.012	23.681	23.675	40.001	170.5	3.91	80.9	423.7	0.332	1532.9	3.28
80.	79.5	23.343	23.326	35.005	23.844	23.838	40.194	155.2	3.56	73.0	408.5	0.374	1531.7	6.67
90.	89.4	22.655	22.637	34.943	23.996	23.989	40.384	144.7	3.32	67.2	394.4	0.414	1530.0	8.80
100.	99.4	21.777	21.757	34.912	24.220	24.213	40.657	136.3	3.12	62.3	373.4	0.453	1527.9	9.33
110.	109.3	21.299	21.278	34.911	24.352	24.345	40.816	130.7	3.00	59.2	361.1	0.489	1526.7	4.72
120.	119.2	20.263	20.241	34.867	24.598	24.590	41.123	121.6	2.79	54.1	337.9	0.524	1524.1	9.14
fin	126.	125.2	19.816	19.793	34.864	24.713	24.706	41.265	2.81	54.1	327.1	0.544	1522.9	4.95

Vitesse verticale moyenne du son entre 2. et 126. dbar : 1534.2 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

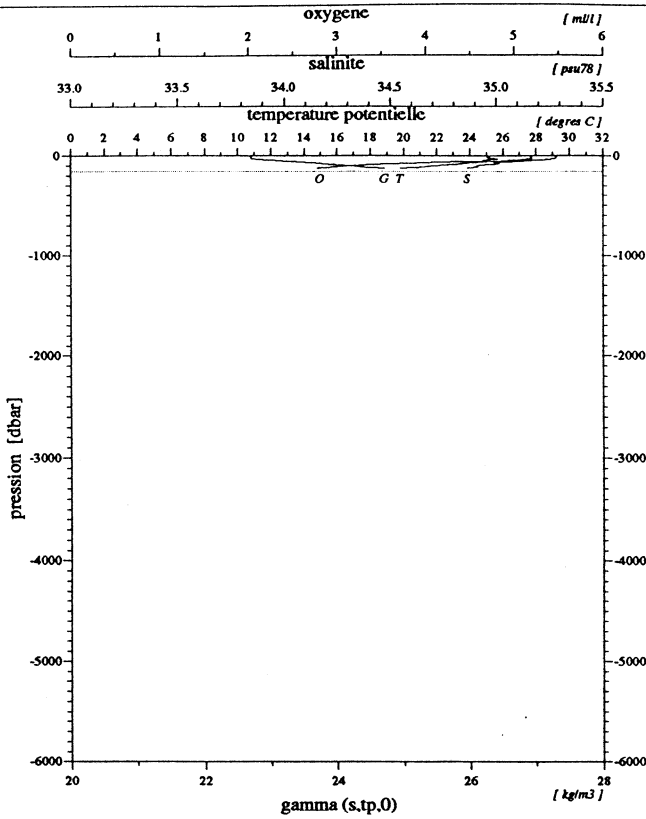


Diagramme salinite / oxygene

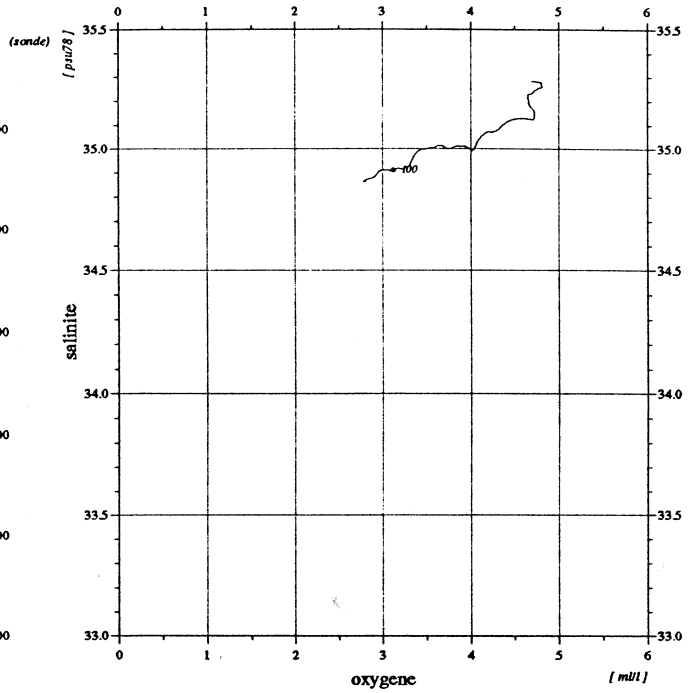


Diagramme temperature potentielle / salinite

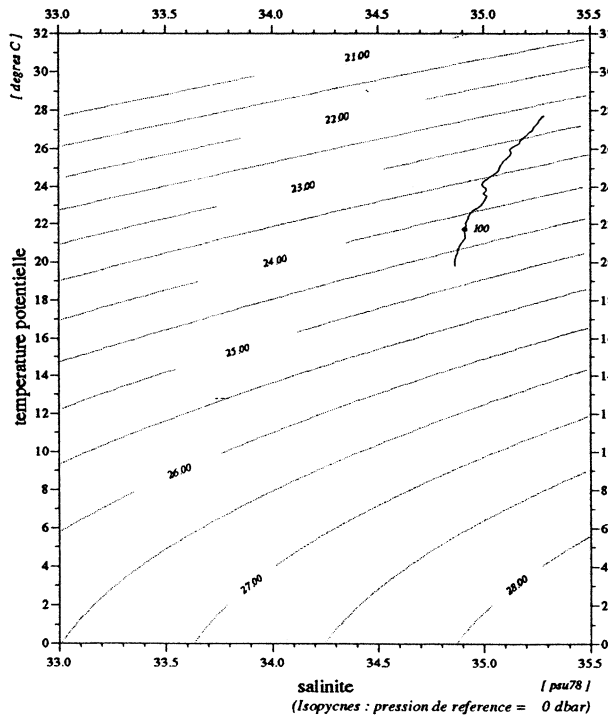
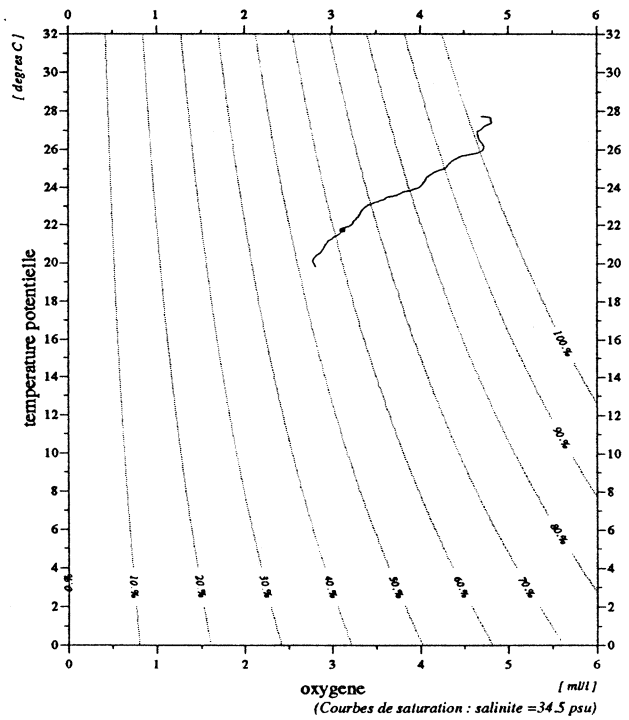


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	126
temperature	27.722	19.816
theta	27.721	19.793
salinite	35.282	34.864
gamma (s,tp,0)	22.699	24.713
oxygene	4.71	2.81

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 153 m ( 154 dbar)	
19- 2-1992	18.41' 9 S
17.19 tu	118.4' 9 E

MD71/JADE2

Station 3.10

94/01/24  
13:33:31

STATION-0410

1

JADE 92

station : 4.10

donnees reduites a 10 dbar

le 19/ 2/1992 a 19.49 tu -18.2302 117.5891 sonde: 297 m ( 299.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	27.685	27.685	35.229	22.672	22.670	38.802	195.7	4.48	99.0	517.2	0.000	1540.9	0.00	
10.	9.9	27.690	27.687	35.229	22.671	22.668	38.801	197.5	4.52	100.0	517.7	0.041	1541.1	0.00	
20.	19.9	27.676	27.671	35.226	22.674	22.670	38.805	197.1	4.51	99.7	517.9	0.093	1541.2	1.07	
30.	29.8	27.185	27.178	35.208	22.820	22.815	38.974	201.5	4.61	101.1	504.4	0.144	1540.2	8.64	
40.	39.8	27.042	27.033	35.215	22.871	22.866	39.032	200.7	4.60	100.5	499.9	0.195	1540.1	3.94	
50.	49.7	26.194	26.183	35.047	23.014	23.008	39.218	208.8	4.78	103.0	486.7	0.244	1538.1	8.90	
60.	59.6	25.007	24.994	34.938	23.298	23.292	39.563	206.0	4.72	99.5	459.9	0.291	1535.4	3.77	
70.	69.6	23.976	23.962	34.943	23.611	23.605	39.929	188.5	4.32	89.5	430.4	0.336	1533.0	8.11	
80.	79.5	23.284	23.268	34.932	23.806	23.800	40.161	166.9	3.83	78.3	412.1	0.378	1531.4	6.59	
90.	89.4	22.618	22.600	34.917	23.987	23.980	40.378	151.8	3.48	70.4	395.3	0.418	1529.9	5.36	
100.	99.4	21.582	21.563	34.891	24.259	24.252	40.707	135.6	3.11	61.8	369.6	0.457	1527.3	9.29	
110.	109.3	20.495	20.474	34.879	24.545	24.538	41.056	128.0	2.94	57.2	342.6	0.493	1524.5	10.34	
120.	119.2	20.184	20.162	34.904	24.647	24.640	41.176	126.3	2.90	56.1	333.2	0.526	1523.9	5.40	
130.	129.2	19.412	19.389	34.928	24.868	24.860	41.442	125.3	2.88	54.9	312.5	0.559	1521.9	9.79	
140.	139.1	18.719	18.694	34.918	25.037	25.030	41.654	123.9	2.84	53.6	296.6	0.589	1520.1	4.76	
150.	149.0	18.445	18.419	34.924	25.111	25.104	41.745	122.0	2.80	52.5	289.8	0.619	1519.5	10.15	
160.	159.0	17.711	17.684	34.888	25.265	25.257	41.946	118.1	2.71	50.2	275.4	0.647	1517.5	5.03	
170.	168.9	16.826	16.798	34.861	25.456	25.449	42.196	113.7	2.61	47.5	257.3	0.673	1515.0	4.67	
180.	178.8	16.340	16.311	34.814	25.534	25.526	42.306	109.8	2.52	45.4	250.2	0.699	1513.6	6.07	
190.	188.8	14.953	14.925	34.767	25.809	25.802	42.678	106.4	2.44	42.8	223.9	0.723	1509.4	5.74	
200.	198.7	14.314	14.284	34.753	25.937	25.930	42.851	106.0	2.43	42.1	211.9	0.745	1507.5	5.21	
220.	218.6	13.439	13.408	34.713	26.089	26.082	43.067	102.5	2.36	40.0	197.7	0.785	1504.9	2.84	
240.	238.4	12.537	12.505	34.708	26.265	26.259	43.311	104.3	2.40	40.0	181.2	0.823	1502.3	1.96	
260.	258.3	12.086	12.052	34.697	26.345	26.338	43.425	105.6	2.43	40.1	174.0	0.858	1501.0	1.07	
fin	268.	266.2	11.945	11.910	34.683	26.361	26.354	43.453	104.1	2.39	39.4	172.6	0.872	1500.7	3.50

Vitesse verticale moyenne du son entre 2. et 268. dbar : 1521.1 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

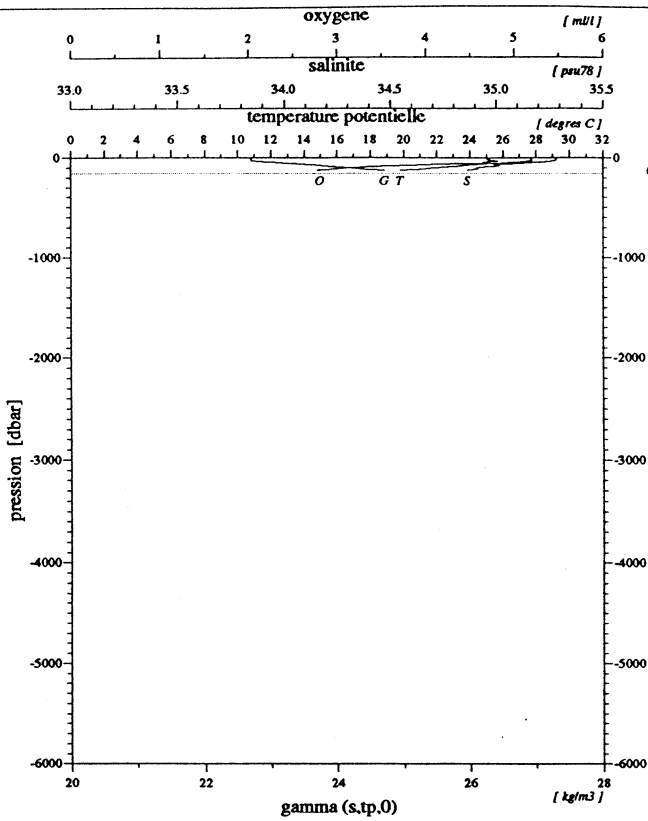


Diagramme salinite / oxygene

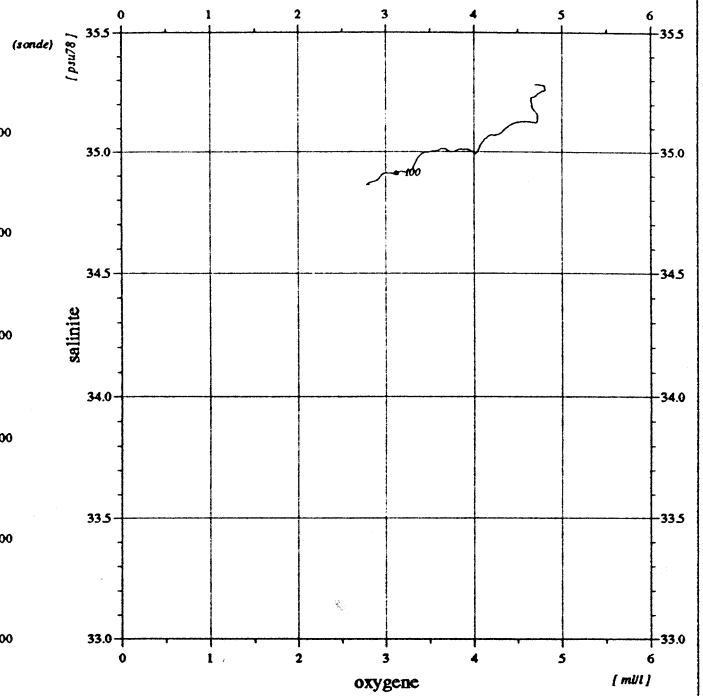


Diagramme temperature potentielle / salinite

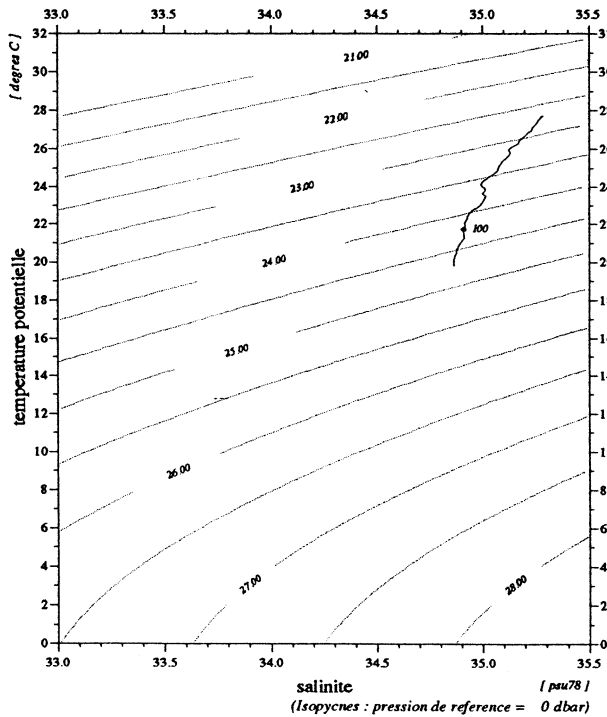
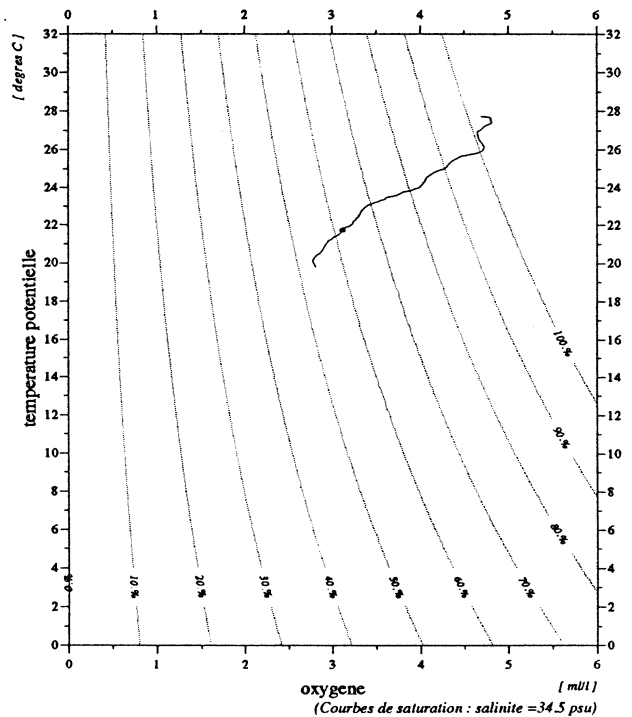


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	126
temperature	27.722	19.816
theta	27.721	19.793
salinite	35.282	34.864
gamma (s,tp,0)	22.699	24.713
oxygene	4.71	2.81

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 153 m ( 154 dbar)	
19- 2-1992	18.41' 9 S
17.19 tu	118.4' 9 E

MD71/JADE2

Station 3.10

94/01/24  
13:33:31

STATION-0410

1

JADE 92

station : 4.10

donnees reduites a 10 dbar

le 19/ 2/1992 a 19.49 tu -18.2302 117.5891 sonde: 297 m ( 299.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	27.685	27.685	35.229	22.672	22.670	38.802	195.7	4.48	99.0	517.2	0.000	1540.9	0.00
10.	9.9	27.690	27.687	35.229	22.671	22.668	38.801	197.5	4.52	100.0	517.7	0.041	1541.1	0.00
20.	19.9	27.676	27.671	35.226	22.674	22.670	38.805	197.1	4.51	99.7	517.9	0.093	1541.2	1.07
30.	29.8	27.185	27.178	35.208	22.820	22.815	38.974	201.5	4.61	101.1	504.4	0.144	1540.2	8.64
40.	39.8	27.042	27.033	35.215	22.871	22.866	39.032	200.7	4.60	100.5	499.9	0.195	1540.1	3.94
50.	49.7	26.194	26.183	35.047	23.014	23.008	39.218	208.8	4.78	103.0	486.7	0.244	1538.1	8.90
60.	59.6	25.007	24.994	34.938	23.298	23.292	39.563	206.0	4.72	99.5	459.9	0.291	1535.4	3.77
70.	69.6	23.976	23.962	34.943	23.611	23.605	39.929	188.5	4.32	89.5	430.4	0.336	1533.0	8.11
80.	79.5	23.284	23.268	34.932	23.806	23.800	40.161	166.9	3.83	78.3	412.1	0.378	1531.4	6.59
90.	89.4	22.618	22.600	34.917	23.987	23.980	40.378	151.8	3.48	70.4	395.3	0.418	1529.9	5.36
100.	99.4	21.582	21.563	34.891	24.259	24.252	40.707	135.6	3.11	61.8	369.6	0.457	1527.3	9.29
110.	109.3	20.495	20.474	34.879	24.545	24.538	41.056	128.0	2.94	57.2	342.6	0.493	1524.5	10.34
120.	119.2	20.184	20.162	34.904	24.647	24.640	41.176	126.3	2.90	56.1	333.2	0.526	1523.9	5.40
130.	129.2	19.412	19.389	34.928	24.868	24.860	41.442	125.3	2.88	54.9	312.5	0.559	1521.9	9.79
140.	139.1	18.719	18.694	34.918	25.037	25.030	41.654	123.9	2.84	53.6	296.6	0.589	1520.1	4.76
150.	149.0	18.445	18.419	34.924	25.111	25.104	41.745	122.0	2.80	52.5	289.8	0.619	1519.5	10.15
160.	159.0	17.711	17.684	34.888	25.265	25.257	41.946	118.1	2.71	50.2	275.4	0.647	1517.5	5.03
170.	168.9	16.826	16.798	34.861	25.456	25.449	42.196	113.7	2.61	47.5	257.3	0.673	1515.0	4.67
180.	178.8	16.340	16.311	34.814	25.534	25.526	42.306	109.8	2.52	45.4	250.2	0.699	1513.6	6.07
190.	188.8	14.953	14.925	34.767	25.809	25.802	42.678	106.4	2.44	42.8	223.9	0.723	1509.4	5.74
200.	198.7	14.314	14.284	34.753	25.937	25.930	42.851	106.0	2.43	42.1	211.9	0.745	1507.5	5.21
220.	218.6	13.439	13.408	34.713	26.089	26.082	43.067	102.5	2.36	40.0	197.7	0.785	1504.9	2.84
240.	238.4	12.537	12.505	34.708	26.265	26.259	43.311	104.3	2.40	40.0	181.2	0.823	1502.3	1.96
260.	258.3	12.086	12.052	34.697	26.345	26.338	43.425	105.6	2.43	40.1	174.0	0.858	1501.0	1.07
fin 268.	266.2	11.945	11.910	34.683	26.361	26.354	43.453	104.1	2.39	39.4	172.6	0.872	1500.7	3.50

Vitesse verticale moyenne du son entre 2. et 268. dbar : 1521.1 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

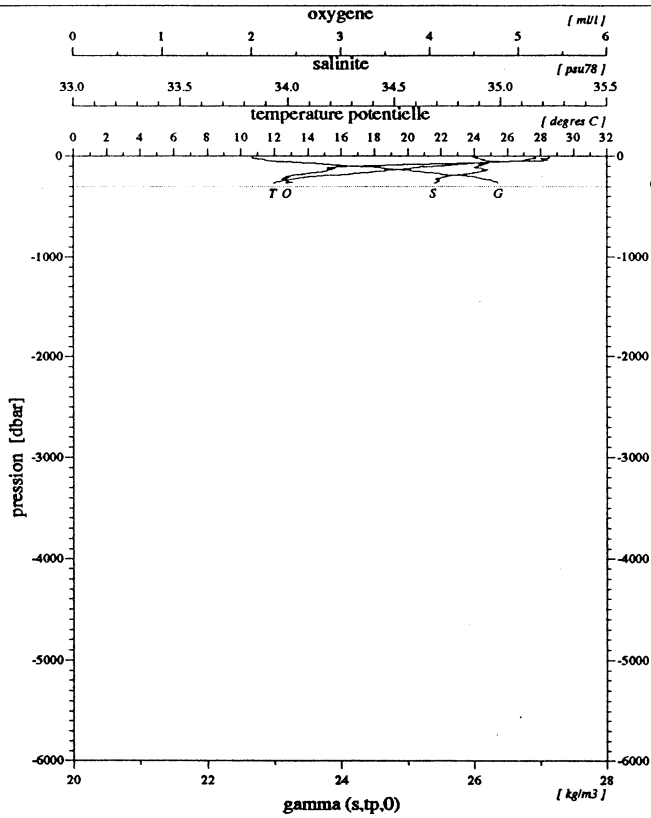


Diagramme salinite / oxygene

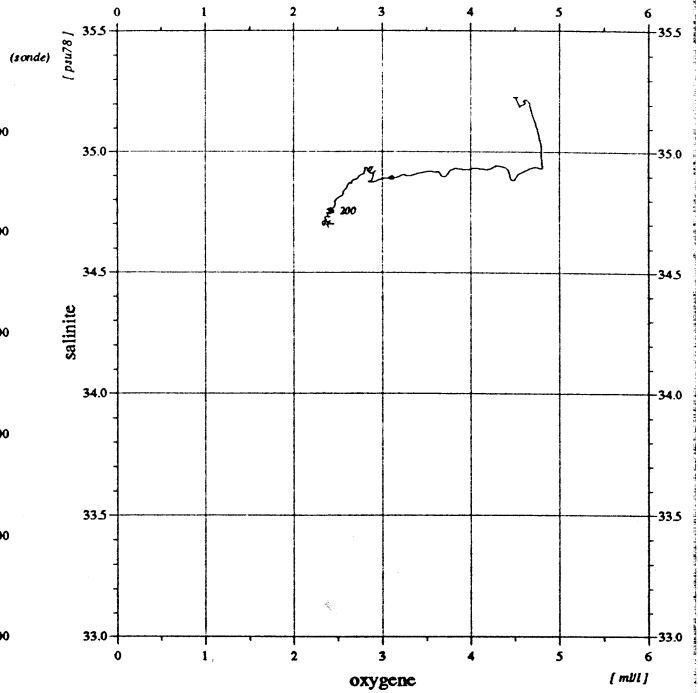


Diagramme temperature potentielle / salinite

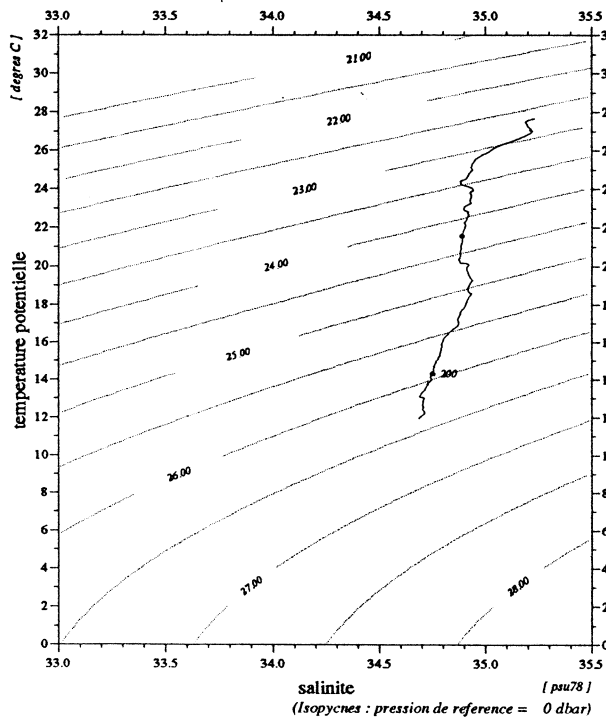
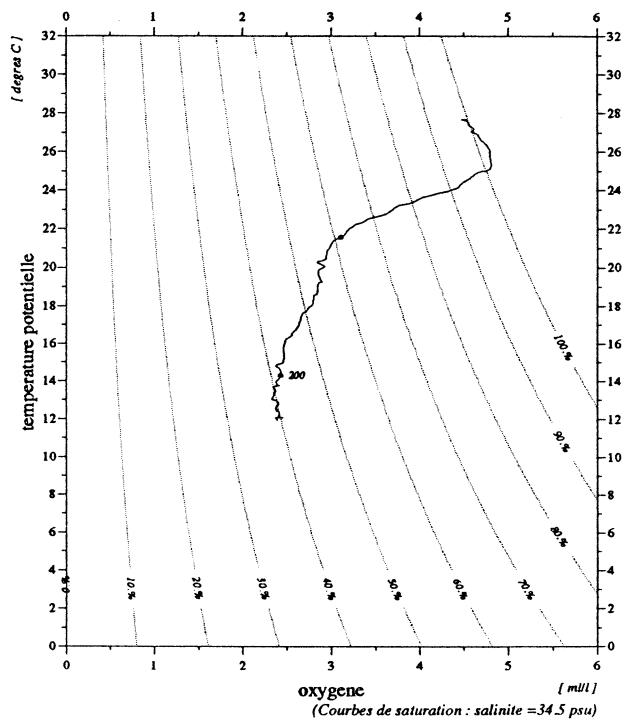


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	268
temperature	27.685	11.945
theta	27.684	11.910
salinite	35.229	34.683
gamma (s,tp,0)	22.672	26.361
oxygene	4.48	2.39

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 297 m ( 299 dbar)	
19- 2-1992	18.23' 0 S
19.49 tu	117.58' 9 E



94/01/24  
13:33:35

STATION-0510

1

JADE 92

station : 5.10

donnees reduites a 10 dbar

le 19/ 2/1992 a 22.49 tu -18.0425 117.5417 sonde: 753 m ( 759.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	28.317	28.316	35.179	22.428	22.425	38.530	195.0	4.46	99.6	540.5	0.000	1542.2	0.00
10.	9.9	28.320	28.317	35.178	22.426	22.423	38.529	198.1	4.54	101.3	541.1	0.043	1542.4	0.00
20.	19.9	28.323	28.318	35.177	22.426	22.422	38.528	197.2	4.51	100.8	541.6	0.097	1542.6	0.00
30.	29.8	28.324	28.317	35.178	22.427	22.422	38.529	203.6	4.66	104.1	542.0	0.152	1542.7	0.00
40.	39.8	28.319	28.309	35.180	22.430	22.425	38.533	190.3	4.36	97.3	542.1	0.206	1542.9	2.59
50.	49.7	26.557	26.546	34.993	22.859	22.853	39.047	212.8	4.87	105.5	501.6	0.259	1538.9	14.79
60.	59.6	25.667	25.654	34.910	23.074	23.068	39.308	211.1	4.84	103.1	481.3	0.308	1536.9	7.57
70.	69.6	25.057	25.041	34.946	23.290	23.283	39.552	201.4	4.61	97.4	461.2	0.354	1535.7	3.16
80.	79.5	24.487	24.470	34.909	23.434	23.427	39.726	188.2	4.31	90.2	447.8	0.400	1534.4	4.84
90.	89.4	23.629	23.610	34.906	23.686	23.679	40.023	167.7	3.84	79.1	424.0	0.443	1532.4	8.34
100.	99.4	23.073	23.053	34.901	23.844	23.837	40.211	152.8	3.50	71.4	409.3	0.485	1531.2	7.12
110.	109.3	22.222	22.200	34.917	24.100	24.092	40.513	143.0	3.28	65.9	385.3	0.525	1529.2	12.23
120.	119.2	21.475	21.451	34.922	24.312	24.305	40.767	135.2	3.10	61.5	365.3	0.562	1527.4	3.66
130.	129.2	21.249	21.224	34.920	24.373	24.365	40.840	132.5	3.04	60.0	359.9	0.599	1527.0	4.06
140.	139.1	20.014	19.989	34.898	24.688	24.680	41.228	124.7	2.86	55.2	330.1	0.633	1523.7	9.39
150.	149.0	19.723	19.695	34.900	24.766	24.758	41.323	122.1	2.80	53.8	322.9	0.666	1523.1	4.59
160.	159.0	18.523	18.495	34.873	25.053	25.045	41.683	117.7	2.70	50.7	295.8	0.697	1519.8	16.01
170.	168.9	17.685	17.656	34.847	25.240	25.232	41.924	112.6	2.58	47.8	278.1	0.726	1517.5	8.21
180.	178.8	17.158	17.128	34.828	25.353	25.344	42.071	110.5	2.54	46.4	267.6	0.753	1516.1	8.95
190.	188.8	16.708	16.677	34.810	25.446	25.438	42.194	108.1	2.48	45.0	259.0	0.779	1514.9	3.56
200.	198.7	16.372	16.340	34.803	25.519	25.510	42.290	108.8	2.50	45.0	252.3	0.805	1514.0	4.06
220.	218.6	14.773	14.740	34.738	25.828	25.820	42.710	103.8	2.38	41.6	223.0	0.853	1509.3	3.61
240.	238.4	14.149	14.114	34.713	25.942	25.934	42.869	103.0	2.37	40.7	212.5	0.897	1507.6	4.11
260.	258.3	13.425	13.388	34.683	26.069	26.061	43.050	101.4	2.33	39.5	200.7	0.938	1505.5	5.07
280.	278.1	12.761	12.723	34.673	26.196	26.187	43.226	101.2	2.33	38.9	189.0	0.976	1503.6	4.29
300.	298.0	11.985	11.946	34.679	26.350	26.343	43.439	104.3	2.40	39.5	174.4	1.012	1501.3	4.38
320.	317.8	11.423	11.383	34.665	26.445	26.437	43.578	104.5	2.40	39.1	165.6	1.046	1499.7	3.03
340.	337.7	10.985	10.943	34.711	26.561	26.553	43.728	117.1	2.69	43.4	154.8	1.078	1498.6	4.29
360.	357.5	10.753	10.709	34.749	26.633	26.625	43.817	128.3	2.95	47.3	148.4	1.109	1498.1	3.91
380.	377.4	10.420	10.374	34.752	26.694	26.686	43.906	137.1	3.15	50.2	142.8	1.138	1497.3	4.20
400.	397.2	10.161	10.114	34.744	26.733	26.724	43.965	144.5	3.32	52.7	139.4	1.166	1496.7	1.38
420.	417.1	9.904	9.856	34.731	26.767	26.758	44.021	149.8	3.44	54.3	136.5	1.194	1496.1	1.24
440.	436.9	9.495	9.445	34.707	26.817	26.808	44.105	153.9	3.54	55.3	131.8	1.221	1494.9	2.23
460.	456.7	9.139	9.088	34.684	26.857	26.848	44.176	151.2	3.48	53.9	128.1	1.247	1493.9	1.07
480.	476.6	9.058	9.005	34.678	26.865	26.857	44.192	150.3	3.46	53.4	127.6	1.272	1493.9	2.05
500.	496.4	8.664	8.610	34.652	26.908	26.899	44.268	139.3	3.20	49.1	123.7	1.297	1492.8	4.55
550.	546.0	7.956	7.900	34.629	26.998	26.989	44.421	124.1	2.85	43.0	115.3	1.357	1490.9	2.31
600.	595.5	7.529	7.470	34.621	27.054	27.046	44.516	115.9	2.67	39.8	110.3	1.413	1490.1	1.07
650.	645.1	7.168	7.104	34.614	27.100	27.091	44.594	109.1	2.51	37.1	106.3	1.467	1489.5	0.62
700.	694.6	6.619	6.553	34.612	27.174	27.165	44.719	103.9	2.39	34.9	99.4	1.518	1488.2	0.00
fin	722.	716.4	6.306	6.240	34.607	27.212	27.203	44.785	102.6	2.36	95.6	1.539	1487.3	3.96

Vitesse verticale moyenne du son entre 2. et 722. dbar : 1505.2 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

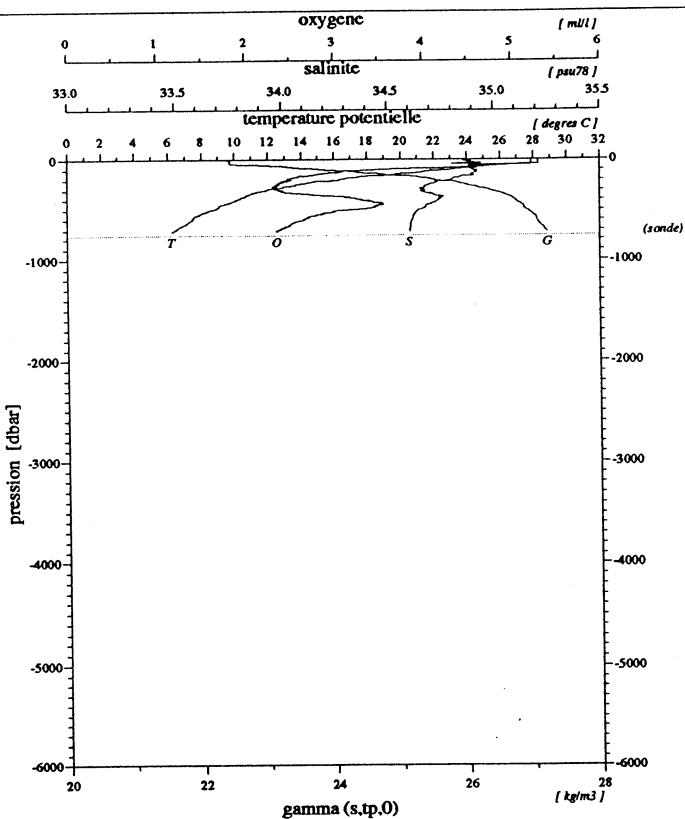


Diagramme salinite / oxygene

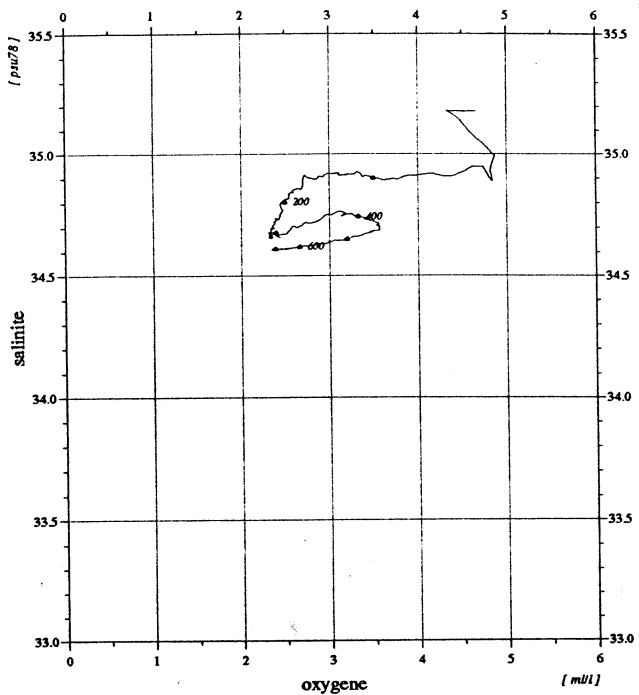


Diagramme temperature potentielle / salinite

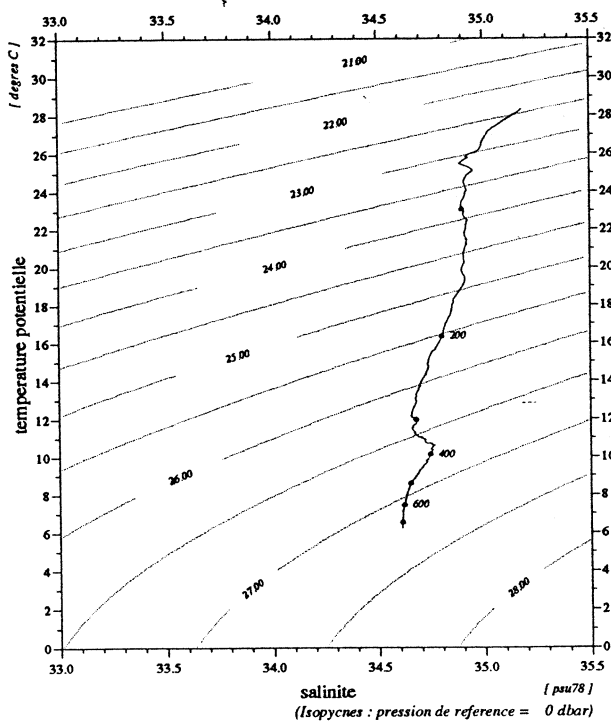
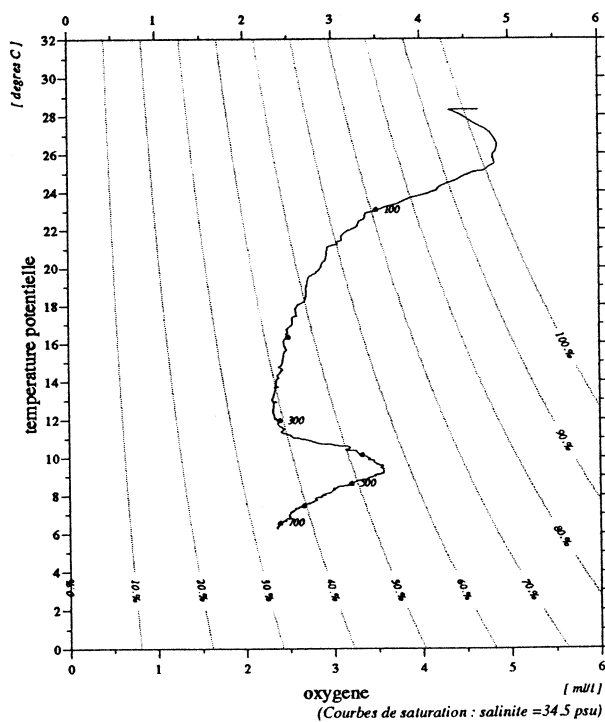


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	722
temperature	28.317	6.306
theta	28.316	6.240
salinite	35.179	34.607
gamma (s,tp,0)	22.428	27.212
oxygene	4.46	2.36

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 13/1/94

sonde 753 m ( 759 dbar)	
19-2-1992	18.4' 2 S
22.49 tu	117.54' 1 E

MD71/JADE2

Station 5.10

94/01/24  
13:33:41

## STATION-0610

1

JADE 92

station : 6.10

donnees reduites a 10 dbar

le 20/ 2/1992 a 2.02 tu -17.4408 117.4815 sonde: 1794 m (1813.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
1.	1.0	28.595	28.595	35.227	22.372	22.369	38.461	196.1	4.49	100.7	545.8	0.000	1542.9	0.00	
10.	9.9	28.577	28.575	35.227	22.378	22.375	38.468	197.2	4.51	101.2	545.7	0.049	1543.0	1.07	
20.	19.9	28.568	28.563	35.227	22.382	22.378	38.473	199.1	4.56	102.2	545.8	0.104	1543.1	1.24	
30.	29.8	28.557	28.550	35.227	22.386	22.382	38.477	201.0	4.60	103.1	545.9	0.158	1543.3	1.39	
40.	39.8	28.535	28.525	35.225	22.393	22.388	38.486	201.0	4.60	103.1	545.7	0.213	1543.4	2.87	
50.	49.7	28.267	28.255	35.190	22.456	22.450	38.561	201.1	4.61	102.7	540.2	0.267	1543.0	5.24	
60.	59.6	26.320	26.306	34.964	22.912	22.906	39.113	216.0	4.95	106.7	496.9	0.319	1538.5	15.24	
70.	69.6	25.239	25.223	34.927	23.220	23.214	39.474	204.1	4.68	99.0	467.8	0.367	1536.1	8.79	
80.	79.5	24.456	24.439	34.907	23.442	23.435	39.736	190.1	4.36	91.0	447.0	0.413	1534.3	5.71	
90.	89.4	23.512	23.493	34.883	23.704	23.696	40.047	162.9	3.73	76.7	422.4	0.456	1532.1	10.10	
100.	99.4	22.454	22.434	34.889	24.013	24.006	40.414	137.5	3.15	63.6	393.2	0.497	1529.6	9.68	
110.	109.3	22.046	22.024	34.863	24.109	24.101	40.532	135.2	3.10	62.1	384.4	0.536	1528.7	6.53	
120.	119.2	20.983	20.960	34.891	24.423	24.416	40.906	127.6	2.93	57.5	354.7	0.573	1526.0	9.29	
130.	129.2	20.661	20.637	34.894	24.513	24.505	41.014	125.5	2.88	56.2	346.5	0.608	1525.3	4.11	
140.	139.1	20.437	20.411	34.899	24.577	24.569	41.092	124.2	2.85	55.5	340.7	0.642	1524.9	4.25	
150.	149.0	20.013	19.985	34.914	24.702	24.693	41.241	122.8	2.82	54.4	329.2	0.676	1523.9	9.43	
160.	159.0	19.130	19.101	34.906	24.925	24.916	41.517	120.1	2.76	52.4	308.1	0.708	1521.6	9.14	
170.	168.9	18.132	18.103	34.892	25.165	25.157	41.820	115.1	2.64	49.3	285.4	0.737	1518.9	7.33	
180.	178.8	17.317	17.287	34.853	25.334	25.326	42.041	111.6	2.56	47.0	269.5	0.765	1516.6	8.33	
190.	188.8	16.361	16.330	34.796	25.516	25.508	42.287	107.6	2.47	44.5	252.2	0.791	1513.8	4.67	
200.	198.7	16.291	16.259	35.022	25.706	25.698	42.477	125.6	2.88	52.0	234.5	0.816	1514.0	8.86	
220.	218.6	15.329	15.295	34.993	25.902	25.893	42.739	124.7	2.87	50.6	216.3	0.861	1511.3	8.35	
240.	238.4	14.475	14.439	34.973	26.074	26.066	42.971	124.6	2.86	49.7	200.2	0.903	1508.9	8.02	
260.	258.3	13.349	13.312	34.883	26.240	26.232	43.221	121.5	2.79	47.4	184.5	0.941	1505.5	5.71	
280.	278.1	12.302	12.265	34.825	26.403	26.395	43.464	120.1	2.76	45.8	169.1	0.977	1502.3	5.32	
300.	298.0	11.598	11.560	34.763	26.489	26.481	43.605	117.9	2.71	44.3	161.1	1.010	1500.1	3.61	
320.	317.8	11.125	11.085	34.759	26.573	26.566	43.727	123.9	2.85	46.1	153.3	1.041	1498.8	5.90	
340.	337.7	10.611	10.570	34.739	26.650	26.642	43.845	128.9	2.96	47.4	146.2	1.071	1497.3	2.40	
360.	357.5	10.194	10.152	34.732	26.717	26.709	43.947	135.5	3.12	49.4	140.1	1.100	1496.1	2.70	
380.	377.4	9.822	9.778	34.727	26.777	26.769	44.037	149.1	3.43	53.9	134.6	1.127	1495.1	2.97	
400.	397.2	9.519	9.474	34.706	26.811	26.803	44.098	149.7	3.44	53.8	131.5	1.154	1494.3	3.09	
420.	417.1	9.128	9.082	34.682	26.856	26.849	44.176	150.0	3.45	53.4	127.3	1.180	1493.2	0.87	
440.	436.9	8.936	8.888	34.672	26.879	26.871	44.216	152.3	3.50	54.0	125.4	1.205	1492.8	1.86	
460.	456.7	8.702	8.653	34.659	26.906	26.898	44.263	151.6	3.49	53.5	123.0	1.230	1492.3	0.87	
480.	476.6	8.414	8.364	34.641	26.937	26.929	44.319	144.6	3.33	50.7	120.2	1.254	1491.5	2.83	
500.	496.4	8.198	8.146	34.634	26.965	26.957	44.366	143.6	3.30	50.1	117.7	1.278	1491.0	2.47	
550.	546.0	7.730	7.675	34.622	27.025	27.017	44.468	130.9	3.01	45.2	112.4	1.335	1490.0	1.38	
600.	595.5	7.302	7.243	34.617	27.083	27.074	44.565	117.7	2.71	40.2	107.3	1.390	1489.2	2.23	
650.	645.1	6.946	6.883	34.613	27.130	27.122	44.645	107.4	2.47	36.4	103.2	1.443	1488.7	1.64	
700.	694.6	6.507	6.442	34.613	27.189	27.181	44.744	99.0	2.28	33.2	97.7	1.493	1487.8	1.96	
750.	744.2	6.151	6.083	34.611	27.235	27.226	44.823	94.4	2.17	31.4	93.6	1.541	1487.2	1.75	
800.	793.7	5.938	5.867	34.612	27.263	27.254	44.872	95.3	2.19	31.6	91.3	1.587	1487.2	2.05	
850.	843.2	5.723	5.648	34.610	27.288	27.279	44.917	95.6	2.20	31.5	89.2	1.632	1487.1	0.62	
900.	892.7	5.529	5.451	34.611	27.313	27.304	44.961	95.2	2.19	31.2	87.1	1.676	1487.2	1.64	
950.	942.2	5.307	5.226	34.612	27.341	27.331	45.010	94.8	2.18	30.9	84.7	1.719	1487.1	1.86	
1000.	991.6	5.155	5.070	34.611	27.359	27.349	45.043	96.8	2.23	31.4	83.2	1.761	1487.3	1.24	
1100.	1090.5	4.806	4.715	34.611	27.399	27.389	45.118	99.6	2.29	32.1	79.8	1.843	1487.6	1.07	
1200.	1189.4	4.446	4.349	34.616	27.444	27.433	45.198	102.8	2.36	32.8	75.7	1.920	1487.8	0.87	
1300.	1288.2	4.190	4.087	34.624	27.478	27.467	45.258	105.4	2.42	33.5	72.7	1.994	1488.4	0.87	
1400.	1387.0	3.817	3.709	34.640	27.530	27.519	45.347	110.3	2.54	34.7	67.6	2.064	1488.5	1.24	
1500.	1485.7	3.532	3.418	34.658	27.572	27.561	45.419	116.3	2.67	36.3	63.5	2.130	1489.0	1.24	
1600.	1584.4	3.227	3.108	34.676	27.616	27.605	45.494	123.3	2.84	38.3	59.1	2.192	1489.4	1.07	
1700.	1683.0	3.032	2.907	34.687	27.644	27.633	45.542	128.1	2.95	39.5	56.5	2.250	1490.2	1.24	
fin	1756.	1738.2	2.862	2.734	34.696	27.667	27.655	45.582	132.8	3.06	40.8	54.0	2.281	1490.5	1.38

Vitesse verticale moyenne du son entre 1. et 1756. dbar : 1495.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

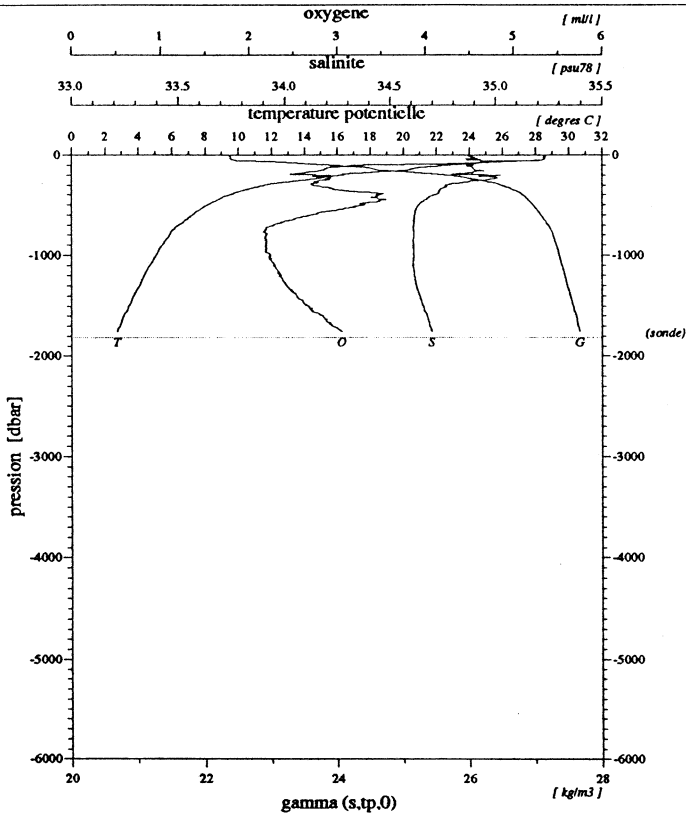


Diagramme salinite / oxygene

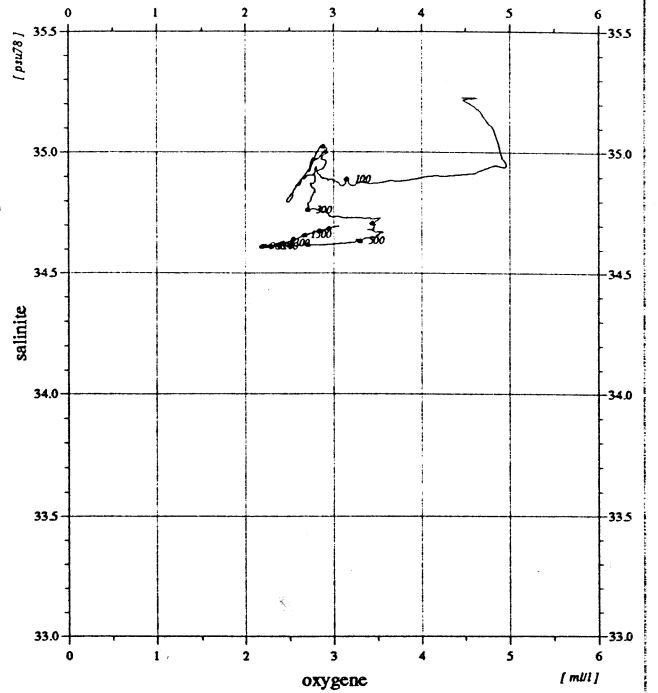


Diagramme temperature potentielle / salinite

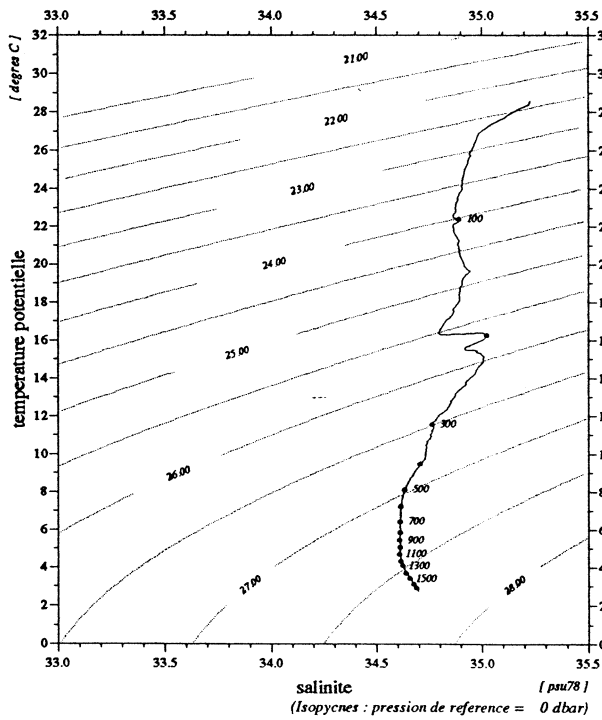
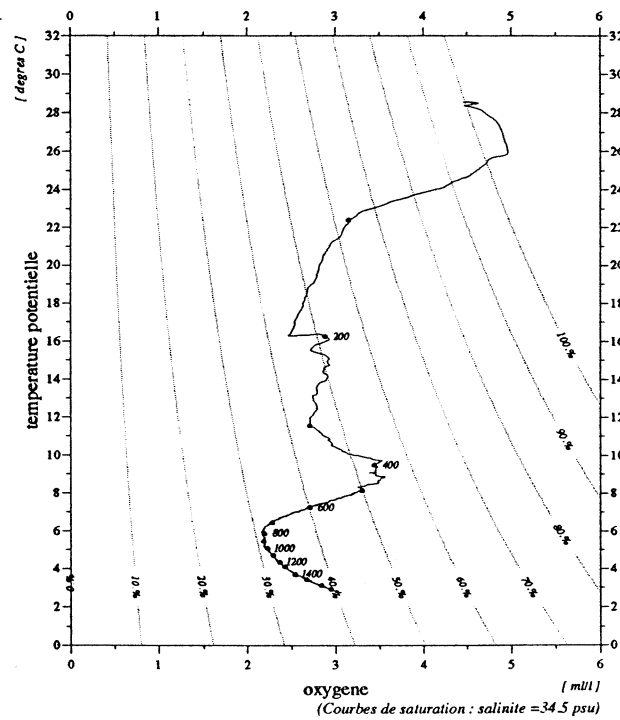


Diagramme temperature potentielle / oxygene



	debut	fin
pression	1.	1756.
temperature	28.595	2.862
theta	28.595	2.734
salinite	35.227	34.696
gamma (s.tp,0)	22.372	27.667
oxygene	4.49	3.06

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 1794 m (1813 dbar)	
20- 2-1992	17.44' 0 S
2.02 tu	117.48' 1 E

94/01/24  
13:33:42

STATION-0620

1

JADE 92

station : 6.20

donnees reduites a 10 dbar

le 20/ 2/1992 a 4.51 tu -17.4397 117.4832 sonde: 1794 m (1813.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
12.	11.9	28.649	28.647	35.228	22.355	22.352	38.442	197.6	4.52	101.5	548.0	0.000	1543.2	0.00
20.	19.9	28.614	28.609	35.228	22.368	22.364	38.457	198.6	4.55	102.0	547.1	0.044	1543.2	1.64
30.	29.8	28.590	28.583	35.228	22.376	22.372	38.466	200.7	4.59	103.0	546.8	0.098	1543.4	2.06
40.	39.8	28.369	28.359	35.202	22.431	22.426	38.531	207.7	4.76	106.3	542.1	0.153	1543.0	5.13
50.	49.7	26.142	26.131	34.954	22.960	22.954	39.169	219.4	5.03	108.1	491.9	0.205	1537.9	17.05
60.	59.6	25.381	25.368	34.935	23.182	23.176	39.428	212.0	4.86	103.1	471.1	0.253	1536.3	7.46
70.	69.6	24.677	24.662	34.918	23.383	23.377	39.666	202.8	4.65	97.5	452.2	0.299	1534.7	10.67
80.	79.5	23.971	23.954	34.903	23.584	23.577	39.903	183.2	4.20	87.0	433.4	0.344	1533.1	9.82
90.	89.4	22.876	22.858	34.864	23.873	23.866	40.251	150.7	3.46	70.2	406.1	0.386	1530.5	12.84
100.	99.4	22.425	22.405	34.915	24.040	24.033	40.442	146.0	3.35	67.5	390.6	0.426	1529.5	8.22
110.	109.3	22.027	22.005	34.891	24.135	24.128	40.559	137.5	3.15	63.1	381.9	0.465	1528.7	8.24
120.	119.2	20.780	20.757	34.876	24.467	24.459	40.962	127.8	2.93	57.4	350.5	0.502	1525.5	11.80
130.	129.2	20.478	20.453	34.895	24.563	24.555	41.075	126.3	2.90	56.4	341.7	0.536	1524.8	3.61
140.	139.1	20.288	20.262	34.907	24.622	24.614	41.146	125.0	2.87	55.7	336.4	0.570	1524.5	3.82
150.	149.0	19.522	19.494	34.926	24.839	24.831	41.407	123.3	2.83	54.1	316.0	0.603	1522.6	7.25
160.	159.0	18.862	18.834	34.905	24.992	24.983	41.601	119.0	2.73	51.6	301.7	0.634	1520.8	6.84
170.	168.9	18.050	18.021	34.890	25.184	25.175	41.843	114.4	2.62	48.9	283.6	0.663	1518.6	6.00
180.	178.8	16.961	16.932	34.824	25.397	25.389	42.128	111.2	2.55	46.5	263.4	0.690	1515.5	9.03
190.	188.8	16.696	16.665	34.945	25.552	25.544	42.298	114.1	2.62	47.5	248.9	0.716	1515.0	11.28
200.	198.7	16.577	16.544	34.992	25.616	25.608	42.369	122.6	2.82	51.0	243.1	0.740	1514.9	5.87
220.	218.6	15.397	15.363	34.973	25.871	25.863	42.704	123.0	2.83	50.0	219.2	0.786	1511.5	5.22
240.	238.4	14.434	14.398	34.973	26.083	26.074	42.983	128.9	2.96	51.4	199.4	0.828	1508.8	4.75
260.	258.3	13.162	13.126	34.877	26.273	26.265	43.267	121.1	2.78	47.0	181.4	0.866	1504.9	3.22
280.	278.1	12.325	12.288	34.829	26.401	26.393	43.460	122.4	2.81	46.7	169.3	0.901	1502.4	3.45
300.	298.0	11.721	11.682	34.782	26.480	26.473	43.587	123.2	2.83	46.4	162.0	0.934	1500.6	0.00
fin	303.	301.0	11.596	11.557	34.767	26.492	26.485	43.609	124.8	2.87	160.9	0.939	1500.2	4.20

Vitesse verticale moyenne du son entre 12. et 303. dbar : 1521.2 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

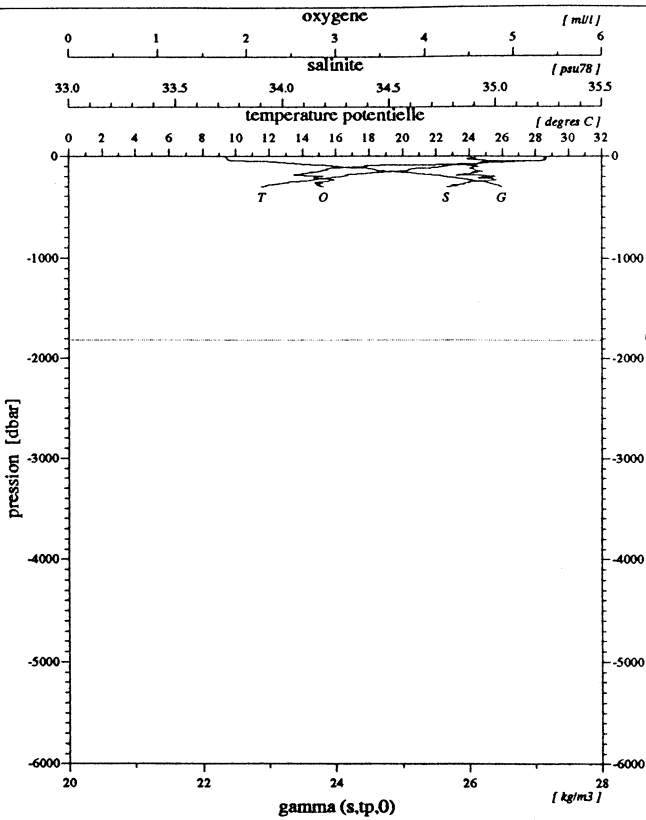


Diagramme salinite / oxygene

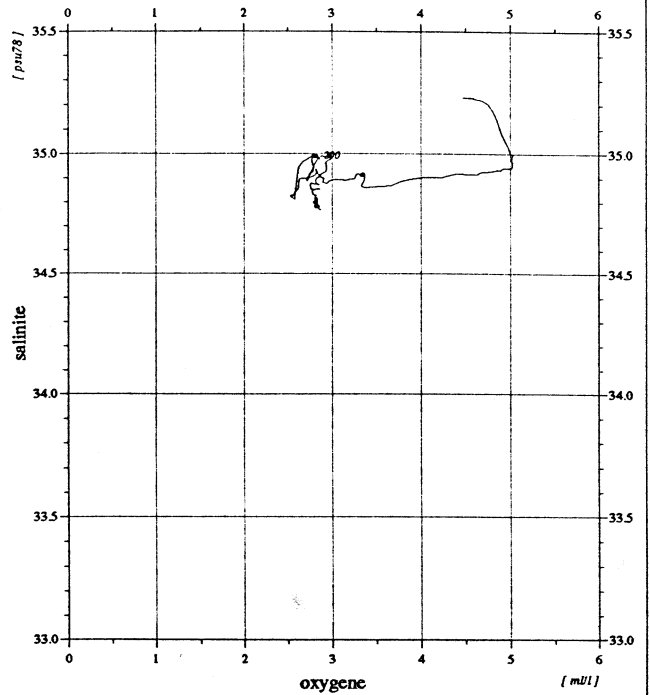


Diagramme temperature potentielle / salinite

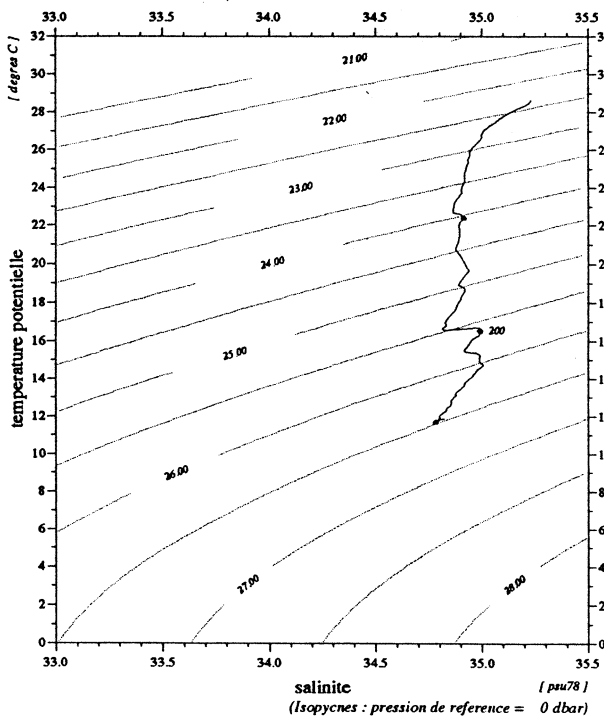
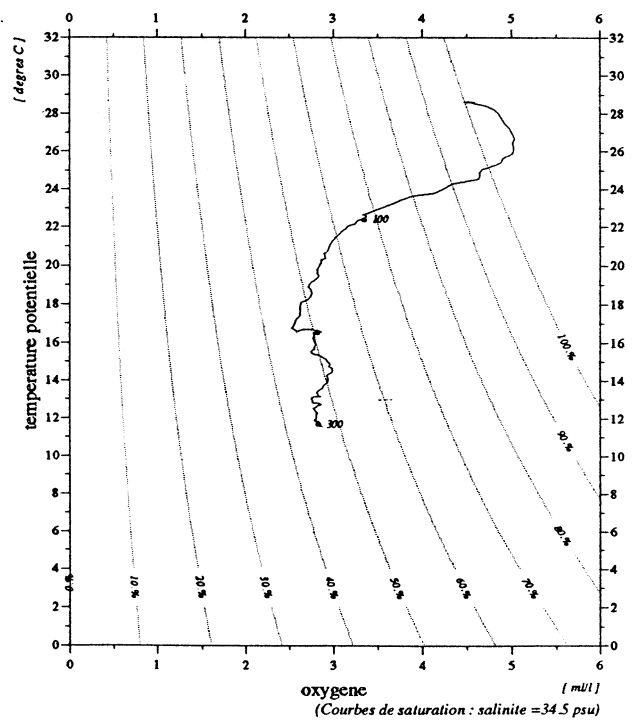


Diagramme temperature potentielle / oxygene



	debut	fin
pression	12.	303.
temperature	28.649	11.596
theta	28.647	11.557
salinite	35.228	34.767
gamma (s.tp,0)	22.355	26.492
oxygene	4.52	2.87

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 1794 m (1813 dbar)	
20- 2-1992	17.43' 9 S
4.51 tu	117.48' 3 E

MD71/JADE2

Station 6.20



Profils verticaux

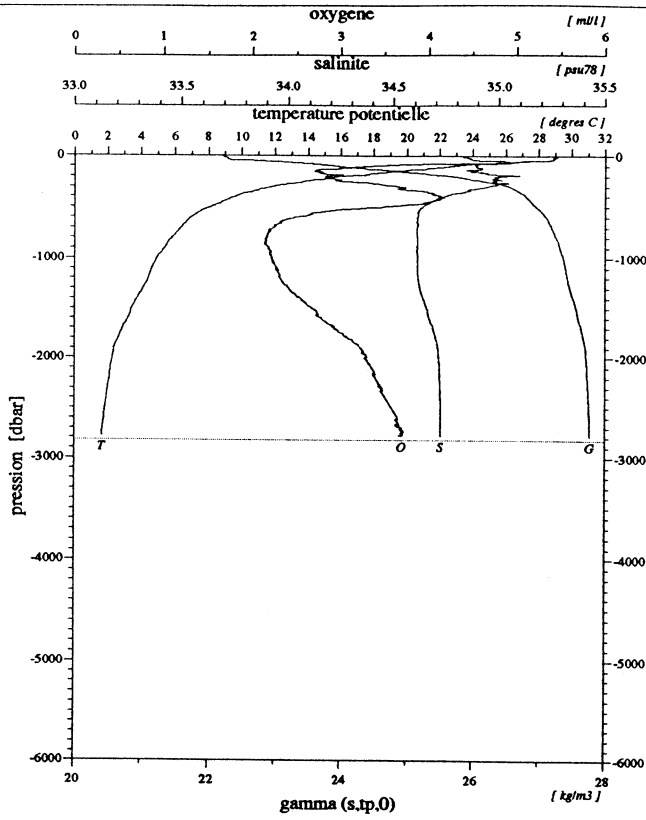


Diagramme salinite / oxygene

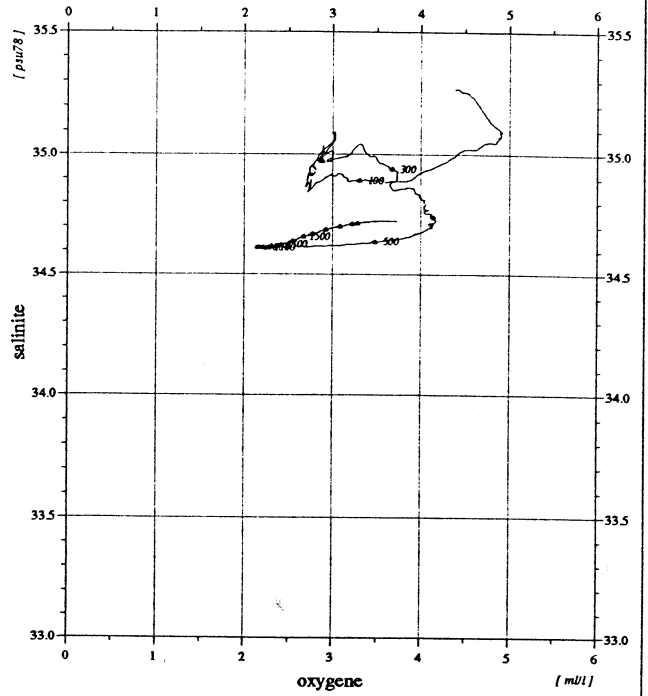


Diagramme temperature potentielle / salinite

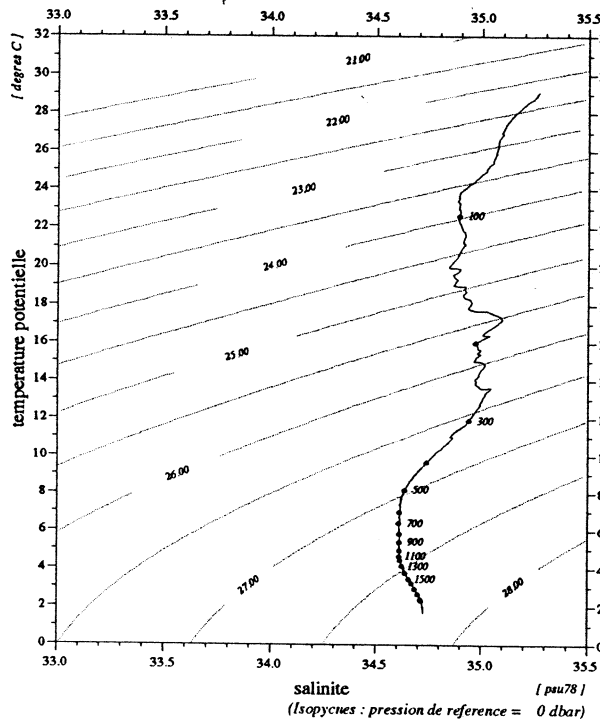
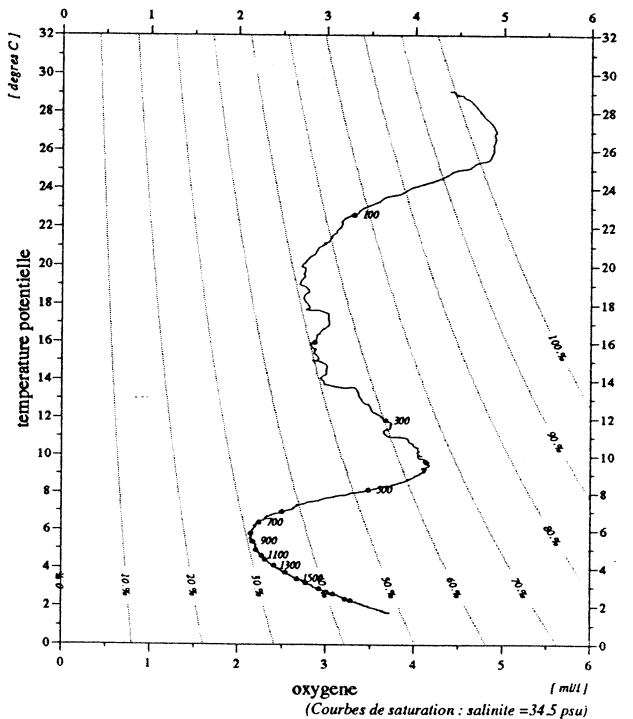


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	2786.
temperature	29.106	1.868
theta	29.105	1.663
salinite	35.267	34.723
gamma (s,tp,0)	22.232	27.776
oxygene	4.39	3.70

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 2789 m ( 2825 dbar)	
20- 2-1992	17.25' 0 S
8.03 tu	117.42' 2 E

MD71/JADE2

Station 7.10



94/01/24  
13:33:58

1

STATION-0720

JADE 92

station : 7.20

donnees reduites a 10 dbar

le 20/ 2/1992 a 10.58 tu -17.2521 117.4244 sonde: 2812 m (2848.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
1.	1.0	29.056	29.056	35.263	22.245	22.243	38.313	198.0	4.53	102.5	557.9	0.000	1543.9	0.00
10.	9.9	29.035	29.032	35.262	22.253	22.249	38.322	201.3	4.61	104.1	557.7	0.050	1544.0	1.52
20.	19.9	28.912	28.907	35.256	22.289	22.285	38.364	203.4	4.66	105.0	554.7	0.106	1543.9	4.43
30.	29.8	28.880	28.873	35.256	22.301	22.296	38.377	203.6	4.66	105.0	554.1	0.161	1544.0	1.39
40.	39.8	28.602	28.592	35.213	22.362	22.357	38.452	207.8	4.76	106.7	548.7	0.217	1543.5	10.36
50.	49.7	26.580	26.568	35.070	22.910	22.904	39.095	220.3	5.05	109.4	496.7	0.268	1539.0	12.22
60.	59.6	25.308	25.295	35.040	23.283	23.277	39.531	207.9	4.76	101.1	461.4	0.315	1536.2	8.28
70.	69.6	24.184	24.169	34.931	23.541	23.534	39.848	185.1	4.24	88.2	437.1	0.360	1533.5	8.97
80.	79.5	23.218	23.202	34.893	23.796	23.790	40.155	157.7	3.62	73.9	413.1	0.403	1531.2	7.01
90.	89.4	22.550	22.532	34.891	23.986	23.980	40.381	141.7	3.25	65.7	395.3	0.443	1529.7	5.47
100.	99.4	21.699	21.680	34.902	24.234	24.227	40.676	135.6	3.11	61.9	372.0	0.481	1527.6	7.14
110.	109.3	21.001	20.980	34.908	24.431	24.424	40.912	130.9	3.00	59.0	353.6	0.517	1525.9	10.67
120.	119.2	19.976	19.954	34.852	24.663	24.656	41.205	119.7	2.75	53.0	331.7	0.551	1523.2	6.44
130.	129.2	19.286	19.263	34.850	24.840	24.833	41.424	117.0	2.68	51.1	315.0	0.584	1521.5	7.83
140.	139.1	18.885	18.860	34.911	24.990	24.982	41.597	118.3	2.71	51.3	301.1	0.614	1520.6	6.73
150.	149.1	18.081	18.056	34.941	25.214	25.207	41.871	120.1	2.76	51.4	280.0	0.643	1518.5	6.31
160.	159.0	17.714	17.687	34.958	25.317	25.310	41.997	120.3	2.76	51.1	270.4	0.670	1517.6	6.00
170.	168.9	17.505	17.476	35.063	25.450	25.442	42.140	128.8	2.96	54.5	258.2	0.697	1517.2	3.82
180.	178.8	16.563	16.534	35.034	25.651	25.643	42.403	125.6	2.88	52.2	239.2	0.722	1514.5	10.26
190.	188.8	15.712	15.683	34.985	25.809	25.801	42.620	121.3	2.79	49.6	224.2	0.745	1512.0	4.29
200.	198.7	15.394	15.363	34.988	25.883	25.876	42.716	125.0	2.87	50.8	217.4	0.767	1511.2	3.76
220.	218.6	14.686	14.653	35.009	26.056	26.056	42.937	128.6	2.95	51.5	201.4	0.809	1509.3	5.47
240.	238.4	13.781	13.747	34.986	26.230	26.222	43.176	129.5	2.98	51.0	185.2	0.847	1506.7	5.39
260.	258.3	13.191	13.155	35.010	26.370	26.362	43.359	142.7	3.28	55.5	172.2	0.883	1505.1	5.43
280.	278.1	12.505	12.468	34.970	26.476	26.468	43.518	147.2	3.38	56.4	162.3	0.916	1503.1	2.84
300.	298.0	11.986	11.947	34.937	26.551	26.543	43.633	151.7	3.49	57.6	155.5	0.948	1501.7	3.03
320.	317.8	11.429	11.388	34.887	26.617	26.609	43.743	156.3	3.59	58.6	149.4	0.978	1500.0	3.33
340.	337.7	10.785	10.743	34.842	26.699	26.692	43.878	167.3	3.85	61.8	141.7	1.007	1498.0	2.31
360.	357.5	10.485	10.442	34.815	26.731	26.723	43.935	172.9	3.97	63.5	138.9	1.035	1497.3	2.84
380.	377.4	10.087	10.043	34.775	26.769	26.761	44.006	173.1	3.98	63.0	135.5	1.063	1496.1	1.64
400.	397.2	9.736	9.690	34.744	26.805	26.797	44.072	174.1	4.00	62.8	132.3	1.090	1495.2	1.52
420.	417.1	9.400	9.353	34.716	26.839	26.831	44.135	176.0	4.05	63.1	129.2	1.116	1494.2	1.52
440.	436.9	9.145	9.096	34.694	26.863	26.855	44.181	175.0	4.02	62.4	127.1	1.141	1493.6	2.83
460.	456.7	8.918	8.868	34.677	26.887	26.878	44.225	170.0	3.91	60.3	125.1	1.167	1493.1	2.14
480.	476.6	8.548	8.497	34.652	26.925	26.917	44.296	164.0	3.77	57.7	121.5	1.191	1492.0	2.62
500.	496.4	8.247	8.194	34.638	26.960	26.952	44.358	151.9	3.49	53.0	118.2	1.215	1491.2	1.75
550.	546.0	7.573	7.519	34.618	27.045	27.036	44.502	123.2	2.83	42.4	110.4	1.273	1489.4	1.38
600.	595.6	7.157	7.099	34.615	27.102	27.094	44.597	111.9	2.57	38.1	105.3	1.326	1488.7	1.86
650.	645.1	6.751	6.689	34.613	27.157	27.148	44.689	101.6	2.34	34.3	100.4	1.378	1487.9	2.14
700.	694.7	6.505	6.440	34.613	27.190	27.181	44.745	97.4	2.24	32.7	97.7	1.427	1487.8	1.07
750.	744.2	6.192	6.124	34.610	27.229	27.220	44.813	94.7	2.18	31.6	94.2	1.475	1487.4	1.75
800.	793.7	5.927	5.856	34.612	27.265	27.256	44.874	93.6	2.15	31.0	91.1	1.522	1487.1	1.38
850.	843.2	5.737	5.662	34.613	27.289	27.280	44.917	92.9	2.14	30.6	89.1	1.567	1487.2	0.00
900.	892.7	5.556	5.478	34.614	27.312	27.303	44.958	92.7	2.13	30.4	87.2	1.611	1487.3	1.24
950.	942.2	5.326	5.245	34.610	27.338	27.328	45.005	93.7	2.16	30.6	85.0	1.654	1487.2	1.07
1000.	991.6	5.077	4.993	34.612	27.369	27.359	45.060	94.9	2.18	30.8	82.1	1.695	1487.0	0.00
1100.	1090.6	4.790	4.699	34.612	27.402	27.392	45.122	96.9	2.23	31.2	79.4	1.776	1487.5	1.07
1200.	1189.4	4.484	4.387	34.617	27.441	27.430	45.191	100.4	2.31	32.1	76.1	1.853	1487.9	1.24
fin	1214.	1203.2	4.443	4.344	34.618	27.446	27.436	45.201	100.3	2.31	75.6	1.864	1488.0	1.07

Vitesse verticale moyenne du son entre 1. et 1214. dbar : 1497.2 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

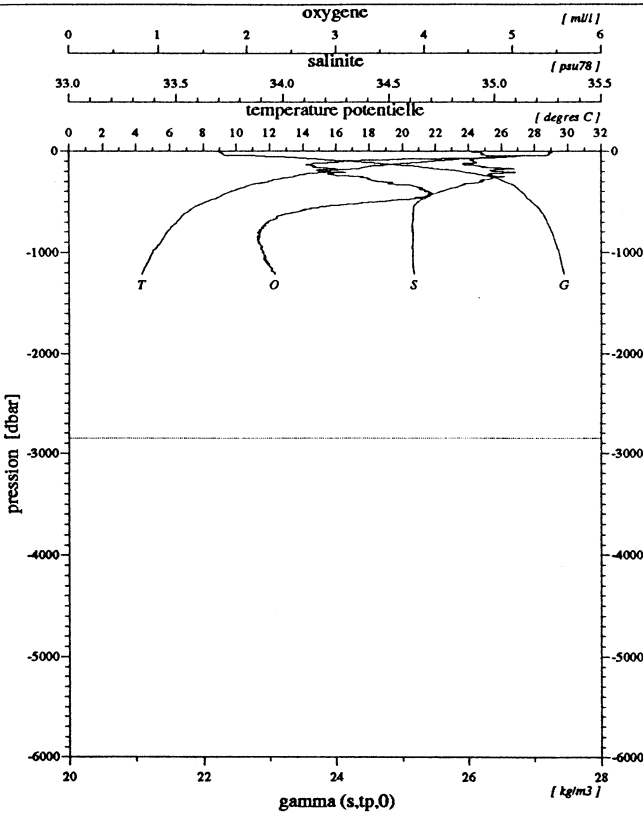


Diagramme salinite / oxygene

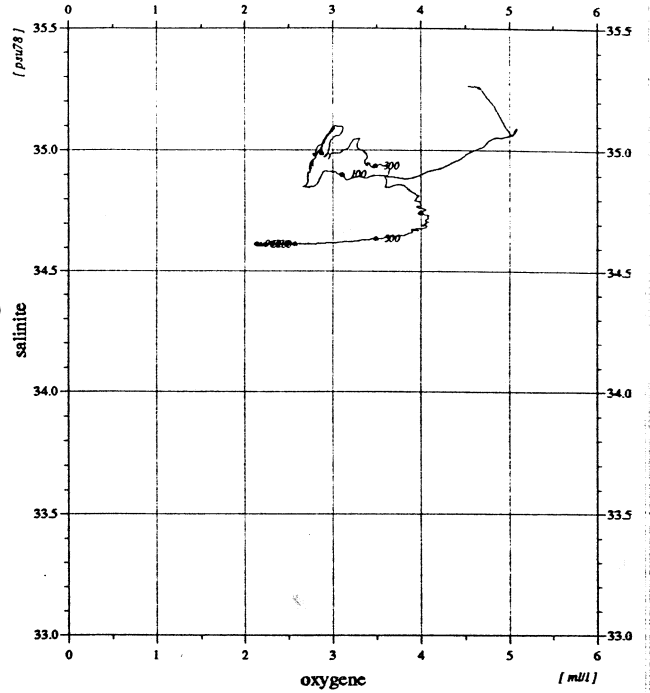


Diagramme temperature potentielle / salinite

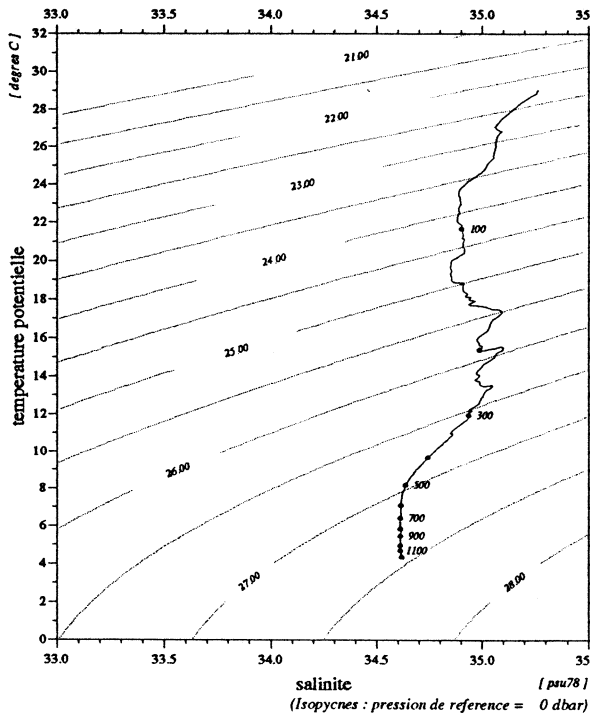
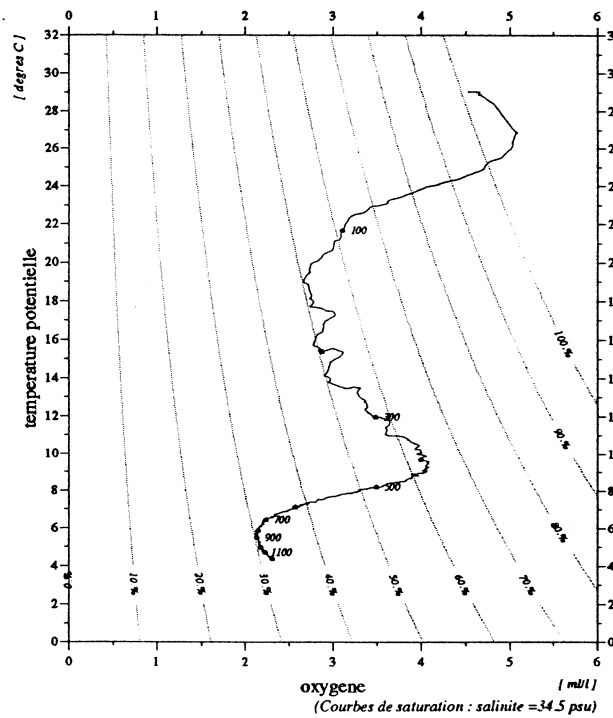


Diagramme temperature potentielle / oxygene



	debut	fin
pression	1.	1214.
temperature	29.056	4.443
theta	29.056	4.344
salinite	35.263	34.618
gamma (s.tp,0)	22.246	27.446
oxygene	4.53	2.31

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 2812 m ( 2848 dbar)	
20- 2-1992	17.25' 2 S
10.58 tu	117.42' 4 E

MD71/JADE2

Station 7.20

94/01/24  
13:33:59

STATION-0730

1

JADE 92

station : 7.30

donnees reduites a 10 dbar

le 20/ 2/1992 a 13.24 tu -17.2489 117.4211 sonde: 2804 m (2840.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	28.990	28.990	35.263	22.267	22.264	38.338	194.3	4.45	100.4	556.0	0.000	1543.8	0.00
10.	9.9	28.993	28.991	35.263	22.267	22.263	38.338	196.6	4.50	101.6	556.3	0.039	1543.9	0.62
20.	19.9	28.991	28.986	35.261	22.267	22.263	38.339	191.4	4.38	98.9	556.8	0.095	1544.1	1.24
30.	29.8	28.928	28.920	35.257	22.286	22.281	38.360	194.8	4.46	100.5	555.5	0.150	1544.1	2.63
40.	39.8	28.868	28.859	35.251	22.302	22.297	38.379	199.2	4.56	102.7	554.4	0.206	1544.2	2.40
50.	49.7	28.310	28.298	35.176	22.431	22.425	38.535	206.4	4.73	105.5	542.5	0.261	1543.0	11.92
60.	59.6	26.412	26.398	35.052	22.950	22.944	39.144	219.0	5.02	108.4	493.3	0.312	1538.8	11.59
70.	69.6	25.265	25.249	35.024	23.285	23.279	39.536	207.6	4.76	100.8	461.6	0.360	1536.2	9.89
80.	79.5	24.430	24.413	34.960	23.490	23.483	39.784	192.1	4.40	92.0	442.4	0.405	1534.3	7.44
90.	89.4	23.660	23.642	34.891	23.666	23.659	40.002	168.6	3.86	79.6	426.0	0.449	1532.5	8.59
100.	99.4	22.884	22.863	34.882	23.885	23.878	40.262	149.3	3.42	69.6	405.4	0.491	1530.7	15.92
110.	109.3	22.211	22.189	34.885	24.079	24.071	40.493	136.7	3.13	63.0	387.3	0.530	1529.1	6.64
120.	119.2	21.529	21.506	34.920	24.296	24.288	40.747	135.9	3.12	61.8	366.9	0.568	1527.5	8.22
130.	129.2	20.732	20.707	34.937	24.526	24.518	41.023	130.6	2.99	58.6	345.2	0.603	1525.6	8.56
140.	139.1	19.589	19.563	34.873	24.780	24.772	41.345	120.6	2.77	53.0	321.2	0.637	1522.5	7.91
150.	149.1	18.800	18.774	34.857	24.970	24.963	41.584	118.1	2.71	51.2	303.3	0.668	1520.4	10.83
160.	159.0	18.145	18.117	34.907	25.173	25.165	41.826	120.1	2.76	51.4	284.3	0.698	1518.8	5.50
170.	168.9	17.716	17.687	35.017	25.363	25.355	42.041	126.6	2.91	53.8	266.5	0.725	1517.8	7.25
180.	178.8	17.571	17.540	35.089	25.454	25.446	42.139	131.9	3.03	55.9	258.2	0.751	1517.6	3.45
190.	188.8	16.465	16.434	34.994	25.644	25.636	42.404	123.6	2.84	51.3	240.1	0.776	1514.4	6.72
200.	198.7	15.913	15.881	35.005	25.779	25.771	42.576	125.8	2.89	51.7	227.4	0.800	1512.8	10.77
220.	218.6	15.558	15.523	35.101	25.934	25.926	42.753	134.7	3.09	55.0	213.3	0.844	1512.2	4.99
240.	238.4	14.786	14.750	35.110	26.112	26.104	42.984	137.7	3.16	55.3	196.7	0.885	1510.1	5.47
260.	258.3	13.779	13.742	35.004	26.245	26.236	43.191	133.5	3.07	52.6	184.3	0.923	1507.1	3.71
280.	278.1	13.061	13.022	35.023	26.407	26.399	43.406	147.8	3.40	57.3	169.2	0.959	1505.1	5.43
300.	298.0	12.511	12.471	34.979	26.483	26.474	43.524	152.0	3.49	58.3	162.3	0.992	1503.5	1.24
fin 302.	300.0	12.389	12.348	34.971	26.500	26.492	43.551	152.5	3.51	58.4	160.6	0.995	1503.1	6.78

Vitesse verticale moyenne du son entre 3. et 302. dbar : 1523.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

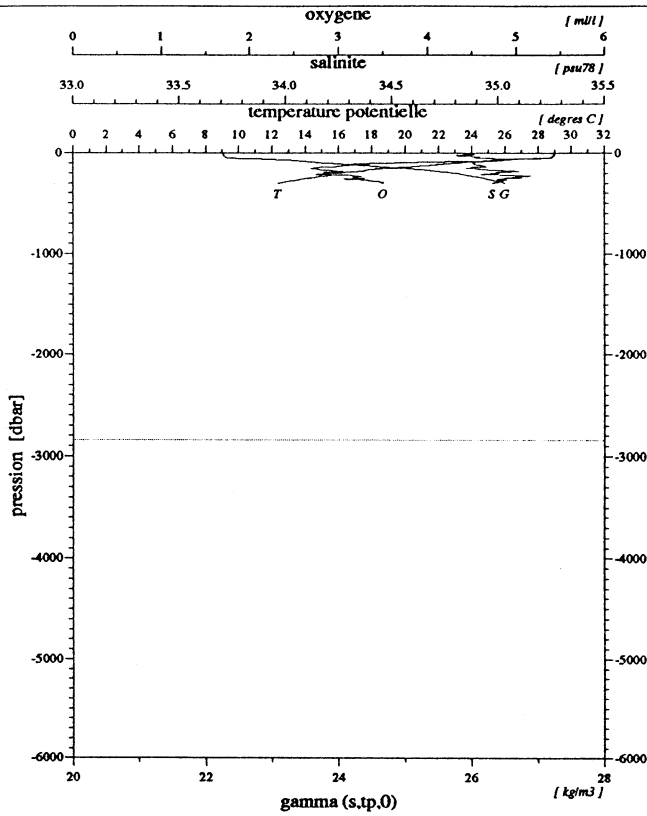


Diagramme salinite / oxygene

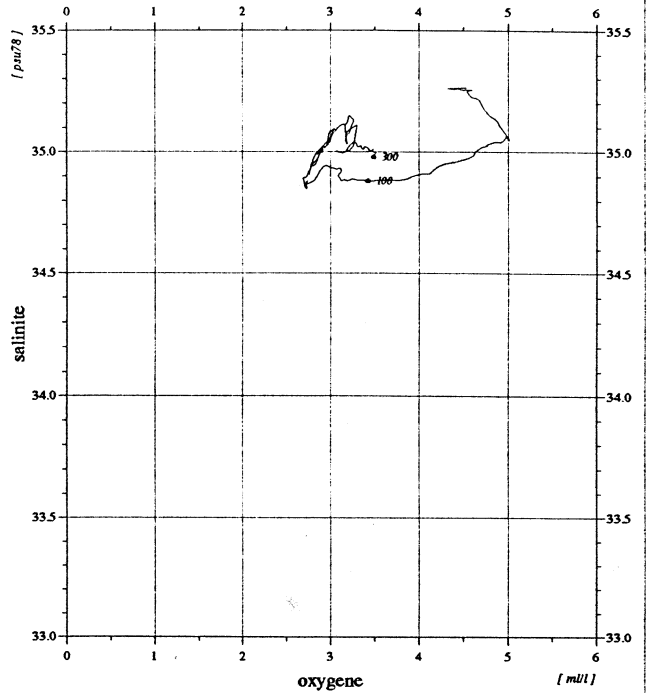


Diagramme temperature potentielle / salinite

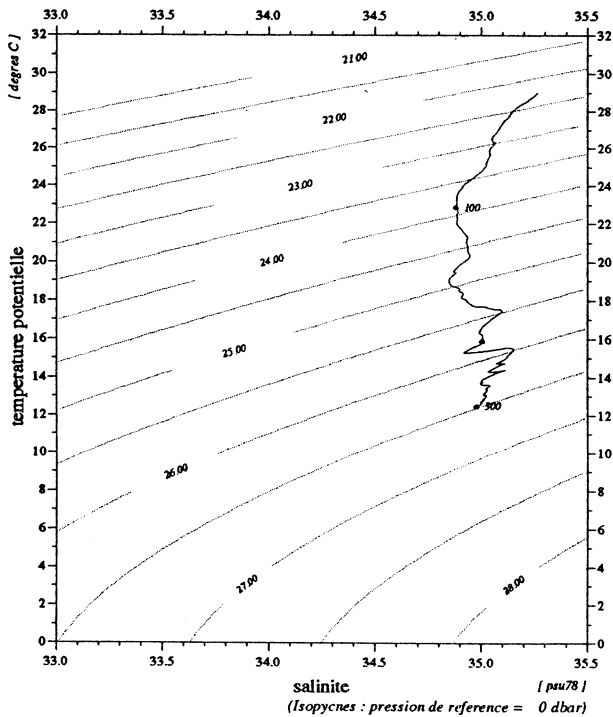
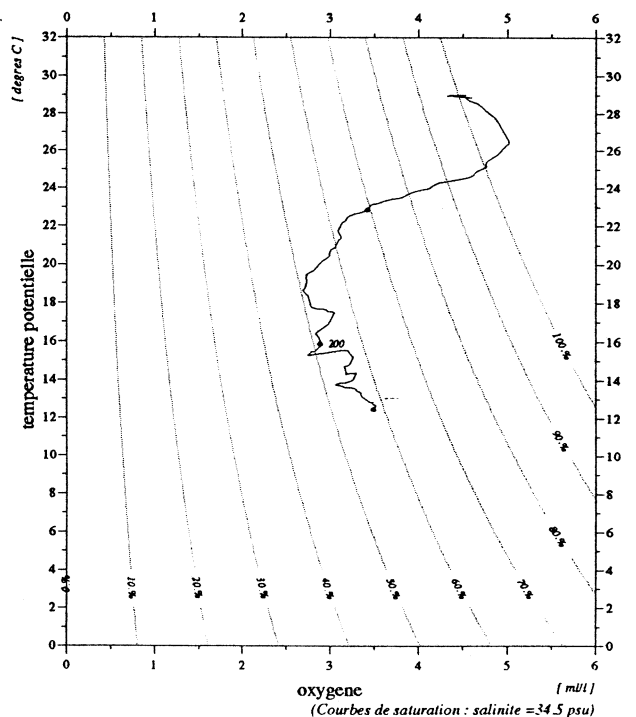


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	302.
temperature	28.990	12.389
theta	28.990	12.348
salinite	35.263	34.971
gamma (s,tp,0)	22.267	26.500
oxygene	4.45	3.51

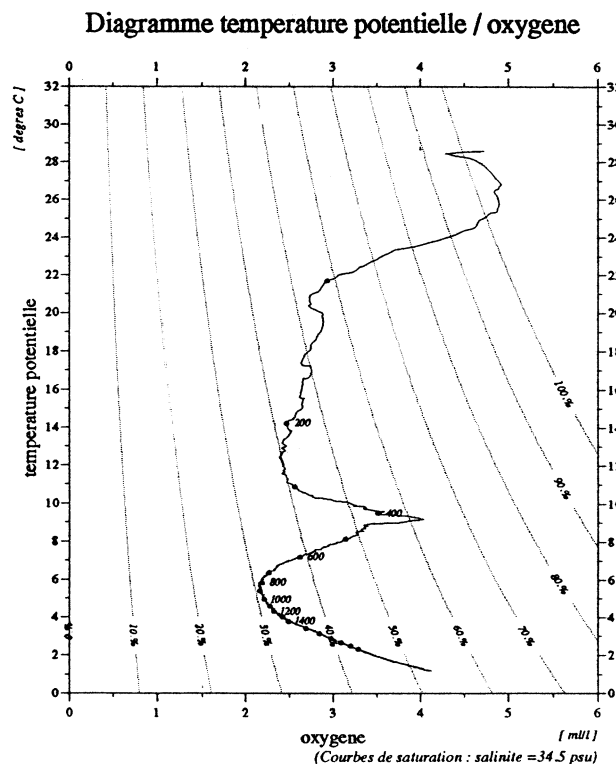
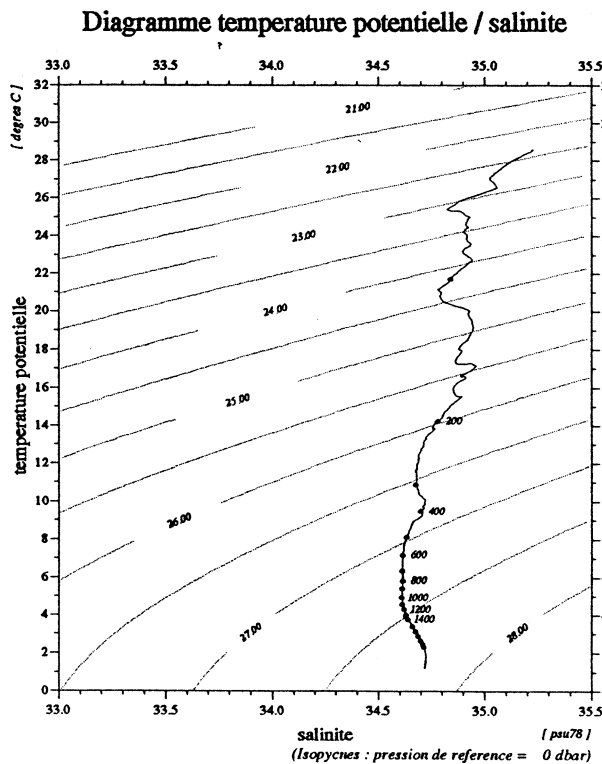
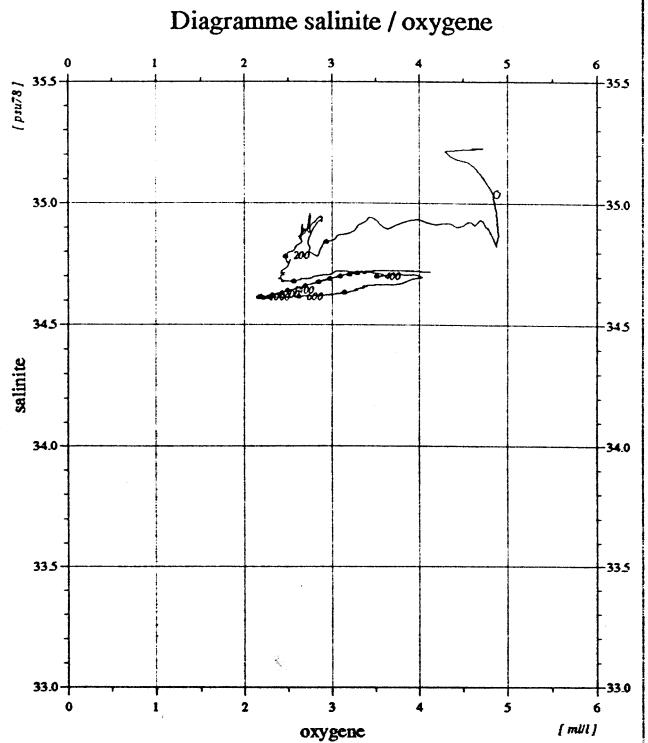
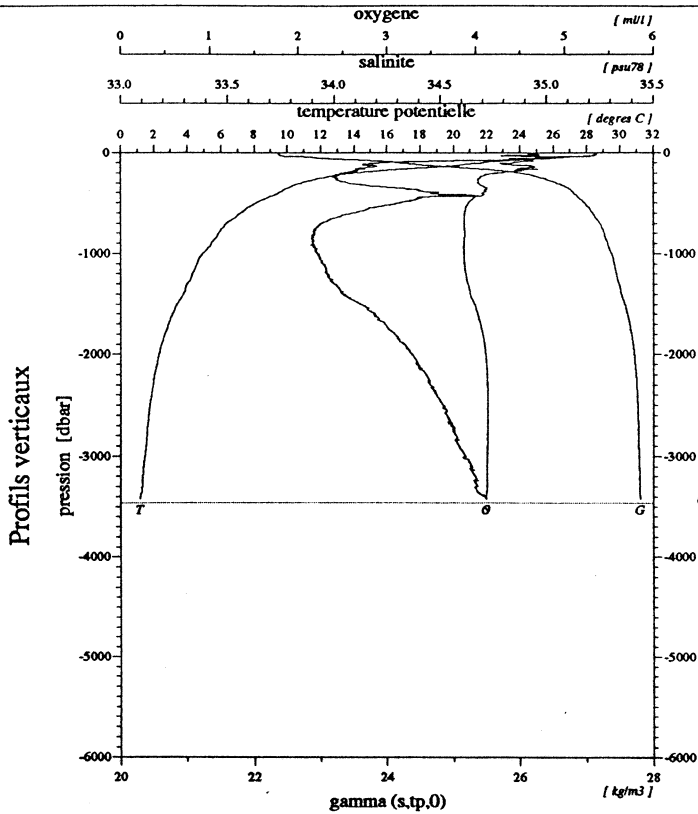
Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 2804 m ( 2840 dbar)	
20- 2-1992	17.24' 8 S
13.24 tu	117.42' 1 E

MD71/JADE2

Station 7.30





	debut	fin
pression	2.	3427.
temperature	28.593	1.429
theta	28.593	1.172
salinite	35.227	34.718
gamma (s,tp,0)	22.372	27.807
oxygene	4.60	4.12

Niveaux reduits a 1 dbar  
Bathysonde : NEE-BROWN type Mark III no 01-1116  
13/1/94

sonde 3414 m (3463 dbar)	
20- 2-1992	17. 6' 4 S
17.25 tu	117.36' 3 E

MD71/JADE2

Station 8.10



Profils verticaux

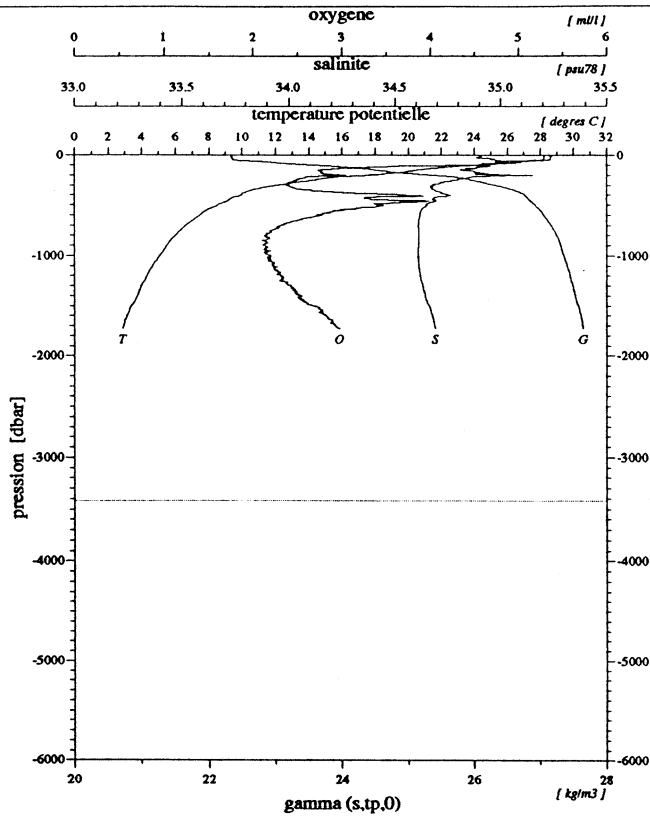


Diagramme salinite / oxygene

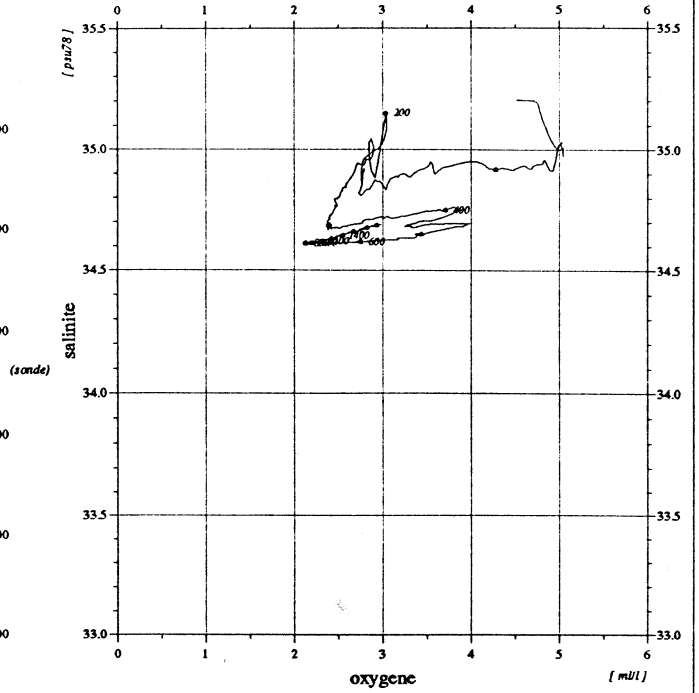


Diagramme temperature potentielle / salinite

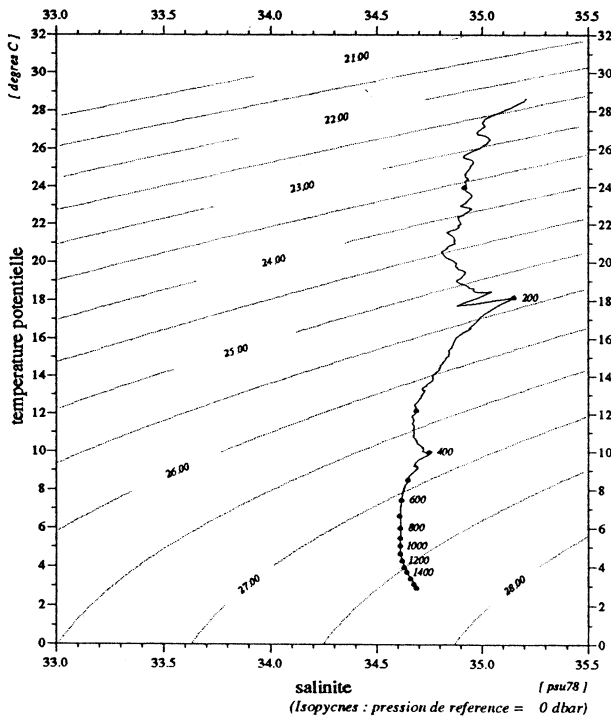
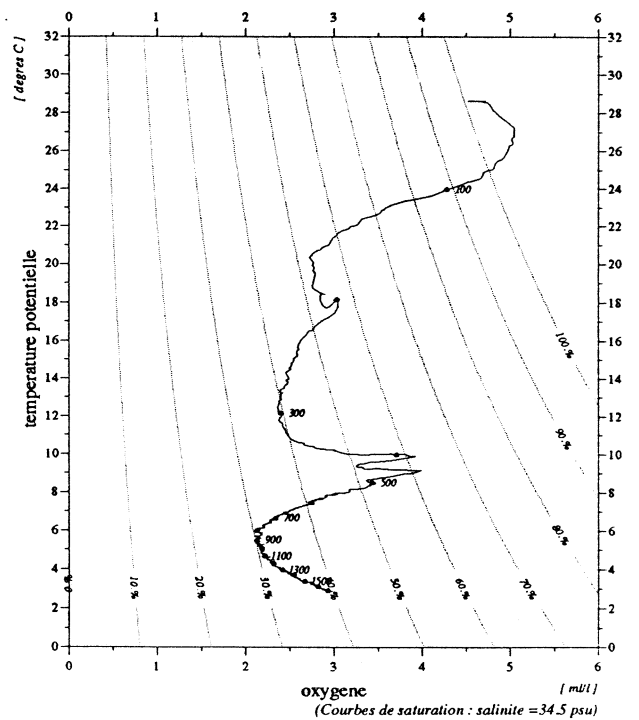


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1732.
temperature	28.616	2.997
theta	28.615	2.869
salinite	35.205	34.690
gamma (s, tp, 0)	22.348	27.650
oxygene	4.57	2.97

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 3369 m ( 3417 dbar)	
21- 2-1992	17. 6' 1 S
22.56 tu	117.36' 2 E

MD71/JADE2

Station 8.20



94/01/24  
13:34:22

STATION-0830

1

JADE 92

station : 8.30

donnees reduites a 10 dbar

le 22/ 2/1992 a 1.50 tu -17.0629 117.3581 sonde: 3481 m (3531.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/Kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	28.694	28.693	35.209	22.326	22.323	38.411	199.4	4.57	102.5	550.3	0.000	1543.1	0.00
10.	9.9	28.646	28.643	35.208	22.341	22.338	38.428	200.2	4.58	102.8	549.2	0.038	1543.1	1.39
20.	19.9	28.613	28.608	35.203	22.349	22.345	38.438	199.2	4.56	102.3	548.9	0.093	1543.2	0.00
30.	29.8	28.589	28.582	35.197	22.354	22.349	38.444	178.7	4.09	91.7	549.0	0.148	1543.3	0.88
40.	39.8	28.250	28.241	35.147	22.428	22.423	38.535	190.2	4.35	97.1	542.3	0.203	1542.7	8.21
50.	49.7	26.791	26.780	34.982	22.777	22.771	38.954	212.9	4.88	106.0	509.4	0.256	1539.4	12.64
60.	59.6	26.387	26.373	35.013	22.928	22.922	39.124	215.3	4.93	106.5	495.3	0.306	1538.7	6.31
70.	69.6	25.263	25.248	34.959	23.236	23.230	39.488	207.8	4.76	100.9	466.3	0.354	1536.2	8.00
80.	79.5	24.075	24.058	34.930	23.573	23.566	39.886	192.7	4.42	91.7	434.5	0.399	1533.4	12.38
90.	89.4	23.278	23.260	34.933	23.809	23.802	40.164	163.8	3.76	76.9	412.3	0.441	1531.6	3.67
100.	99.4	22.837	22.817	34.961	23.958	23.951	40.336	157.2	3.61	73.2	398.4	0.482	1530.7	5.44
110.	109.3	22.184	22.162	34.905	24.102	24.094	40.517	142.0	3.26	65.4	385.1	0.521	1529.1	8.49
120.	119.3	21.590	21.567	34.862	24.235	24.227	40.684	131.2	3.01	59.8	372.7	0.559	1527.6	8.45
130.	129.2	20.293	20.269	34.828	24.560	24.553	41.085	118.7	2.72	52.8	341.9	0.594	1524.3	7.56
140.	139.1	19.573	19.548	34.896	24.802	24.794	41.368	122.3	2.81	53.8	319.1	0.627	1522.5	7.11
150.	149.1	18.977	18.950	34.924	24.977	24.969	41.578	122.3	2.81	53.2	302.8	0.658	1521.0	4.15
160.	159.0	18.589	18.561	34.995	25.130	25.121	41.753	127.9	2.93	55.2	288.5	0.688	1520.2	8.17
170.	168.9	18.122	18.092	35.151	25.366	25.358	42.015	128.7	2.95	55.1	266.3	0.716	1519.1	6.07
180.	178.9	16.205	16.176	34.873	25.610	25.603	42.390	113.5	2.61	46.8	242.9	0.741	1513.3	7.95
190.	188.8	15.420	15.391	34.841	25.764	25.756	42.598	111.2	2.56	45.2	228.4	0.765	1511.0	6.03
200.	198.7	14.592	14.563	34.798	25.912	25.905	42.805	108.4	2.49	43.3	214.4	0.787	1508.5	4.38
220.	218.6	13.809	13.778	34.756	26.046	26.038	42.996	104.9	2.41	41.3	202.0	0.828	1506.2	3.03
240.	238.4	13.008	12.975	34.715	26.177	26.170	43.188	103.9	2.39	40.2	189.7	0.867	1503.8	4.42
260.	258.3	12.409	12.374	34.684	26.272	26.265	43.328	102.3	2.35	39.1	181.0	0.905	1502.1	5.53
280.	278.1	11.882	11.846	34.669	26.361	26.354	43.459	103.7	2.38	39.2	172.8	0.940	1500.6	4.01
300.	298.0	11.450	11.412	34.677	26.449	26.442	43.580	105.4	2.42	39.5	164.7	0.973	1499.5	3.39
320.	317.9	11.047	11.008	34.676	26.523	26.515	43.685	108.1	2.48	40.1	158.1	1.006	1498.4	3.71
340.	337.7	10.510	10.469	34.687	26.627	26.619	43.832	115.8	2.66	42.5	148.3	1.036	1496.9	3.03
360.	357.5	10.063	10.021	34.717	26.728	26.720	43.969	135.0	3.10	49.1	138.9	1.065	1495.6	5.36
380.	377.4	9.937	9.893	34.730	26.760	26.752	44.011	149.7	3.44	54.3	136.3	1.093	1495.5	1.38
400.	397.2	9.502	9.457	34.685	26.797	26.789	44.086	140.6	3.23	50.5	132.8	1.119	1494.2	2.05
420.	417.1	9.330	9.283	34.681	26.823	26.815	44.126	144.1	3.31	51.5	130.7	1.146	1493.9	1.07
440.	436.9	9.125	9.077	34.687	26.861	26.853	44.181	168.5	3.87	60.0	127.3	1.171	1493.5	2.40
460.	456.8	8.856	8.806	34.659	26.882	26.874	44.226	156.3	3.59	55.3	125.5	1.197	1492.8	0.00
480.	476.6	8.519	8.468	34.647	26.926	26.917	44.299	147.1	3.38	51.7	121.4	1.221	1491.9	1.24
486.	482.5	8.465	8.414	34.645	26.933	26.925	44.311	148.4	3.41	52.1	120.8	1.229	1491.8	1.64

Vitesse verticale moyenne du son entre 3. et 486. dbar : 1510.8 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

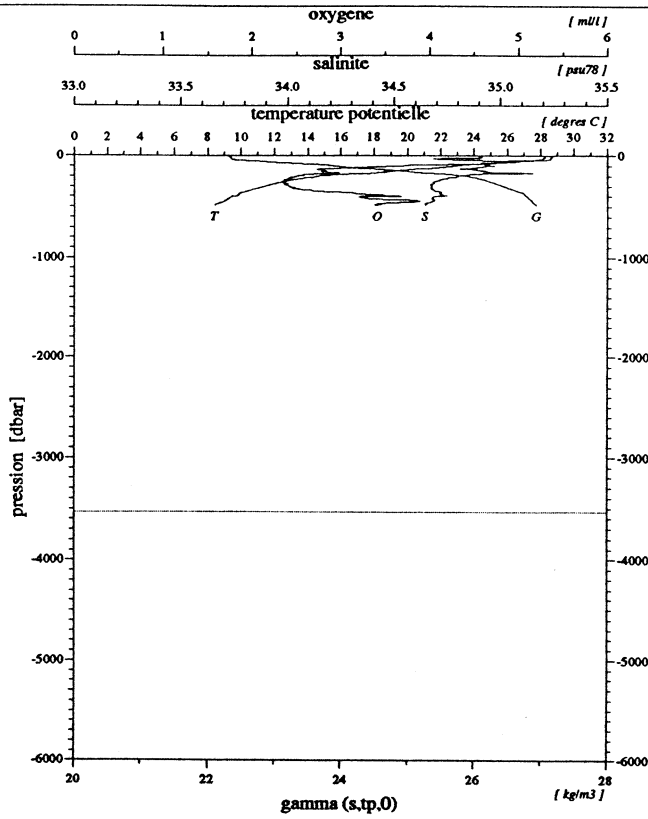


Diagramme salinite / oxygene

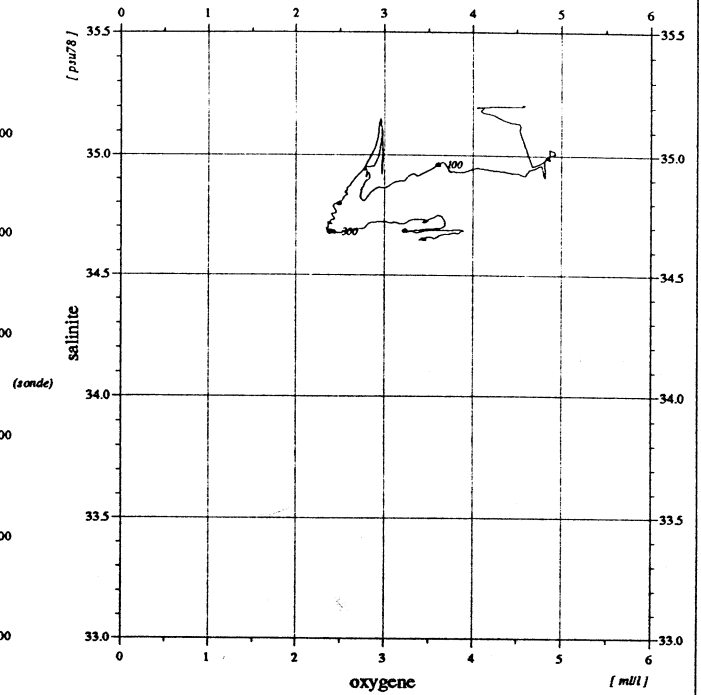


Diagramme temperature potentielle / salinite

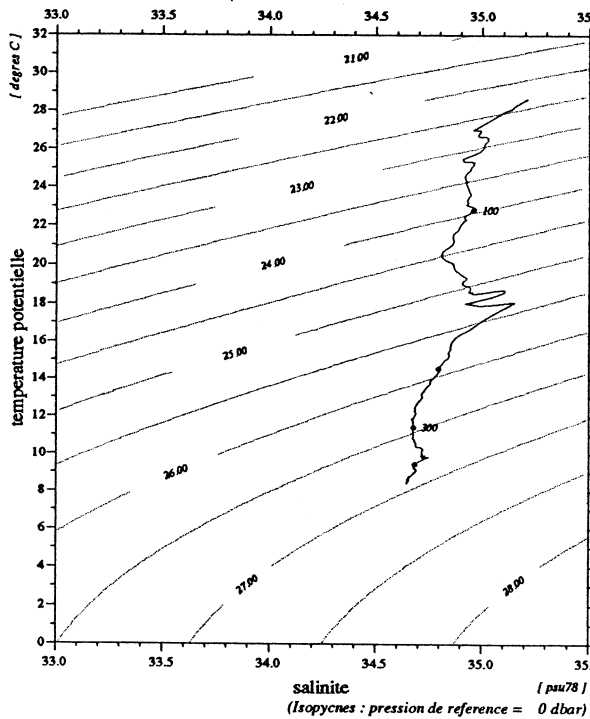
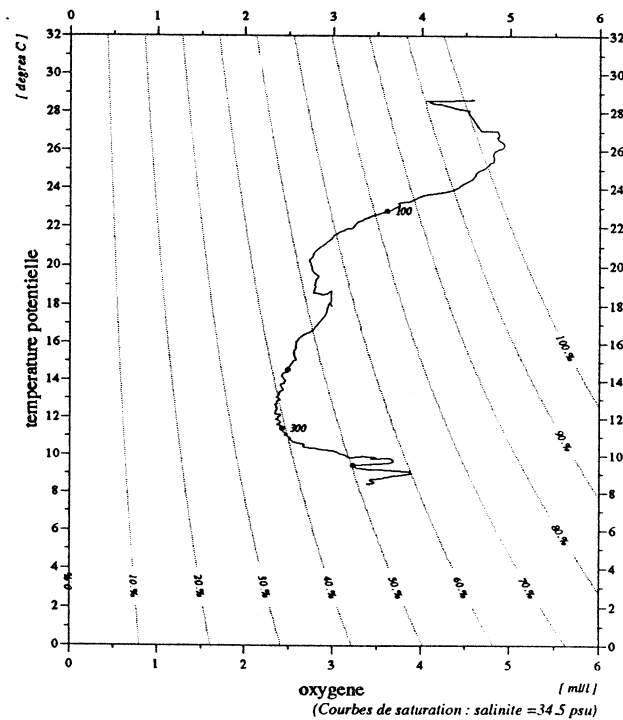


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	486.
temperature	28.694	8.465
theta	28.694	8.414
salinite	35.209	34.645
gamma (s,tp,0)	22.326	26.933
oxygene	4.57	3.41

Niveaux reduits a -1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 3481 m (3531 dbar)	
22- 2-1992	17. 6' 2 S
1.50 tu	117.35' 8 E

MD71/JADE2

Station 8.30



Profils verticaux

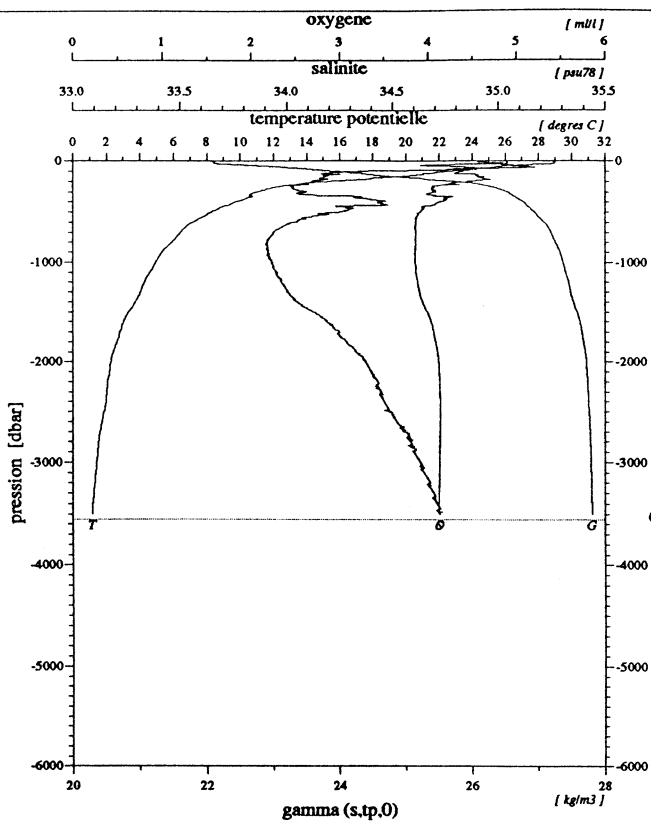


Diagramme salinite / oxygene

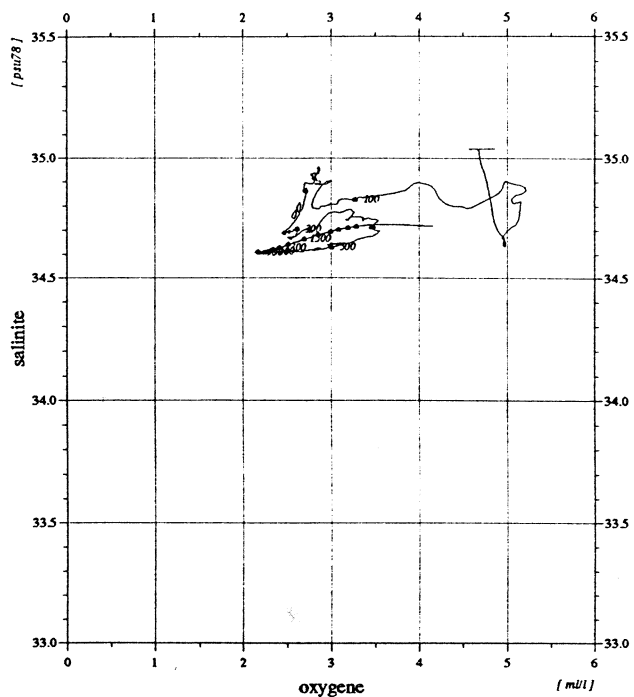


Diagramme temperature potentielle / salinite

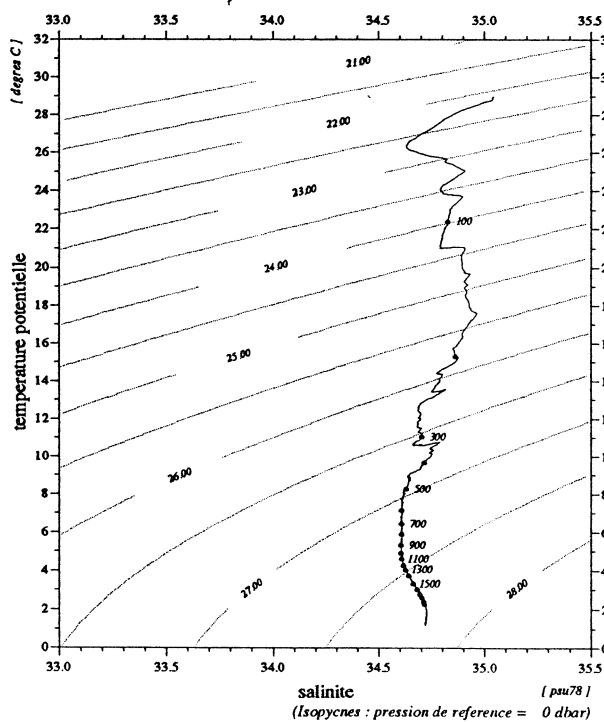
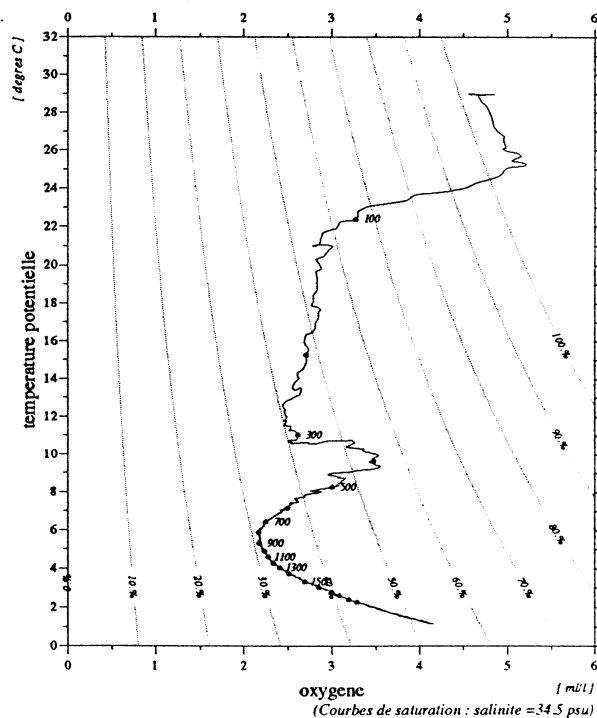


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	3502.
temperature	28.955	1.414
theta	28.955	1.150
salinite	35.038	34.718
gamma (s,tp,0)	22.110	27.809
oxygene	4.59	4.14

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 3505 m (3556 dbar)	
22- 2-1992	16.46' 3 S
5.54 tu	117.30' 5 E

MD71/JADE2

Station 9.10

Profils verticaux

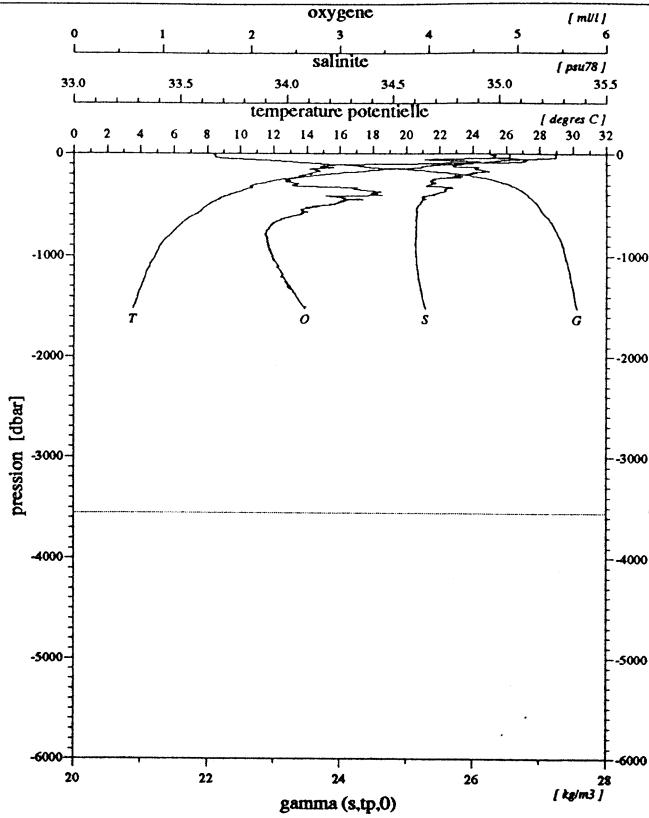


Diagramme salinite / oxygene

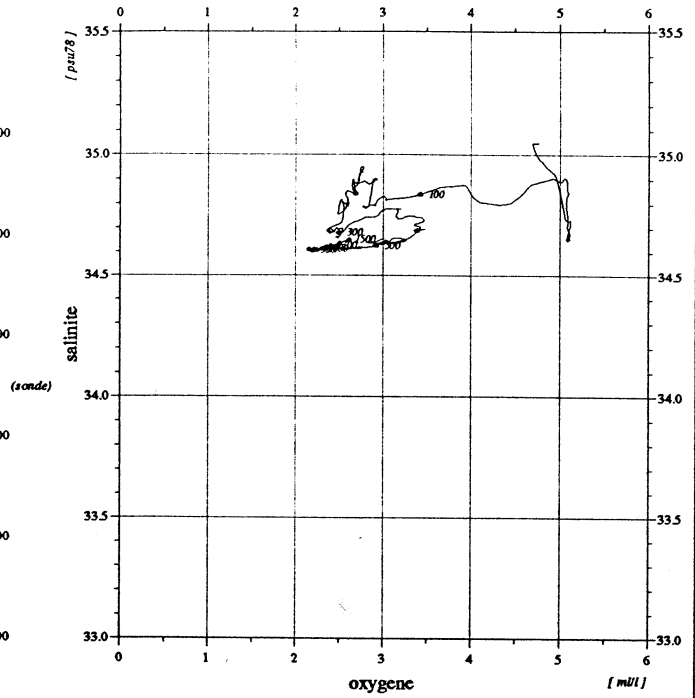


Diagramme temperature potentielle / salinite

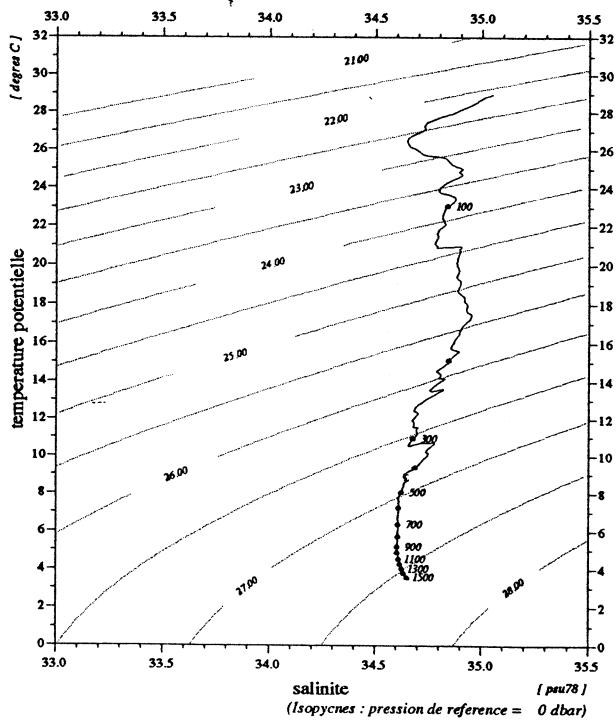
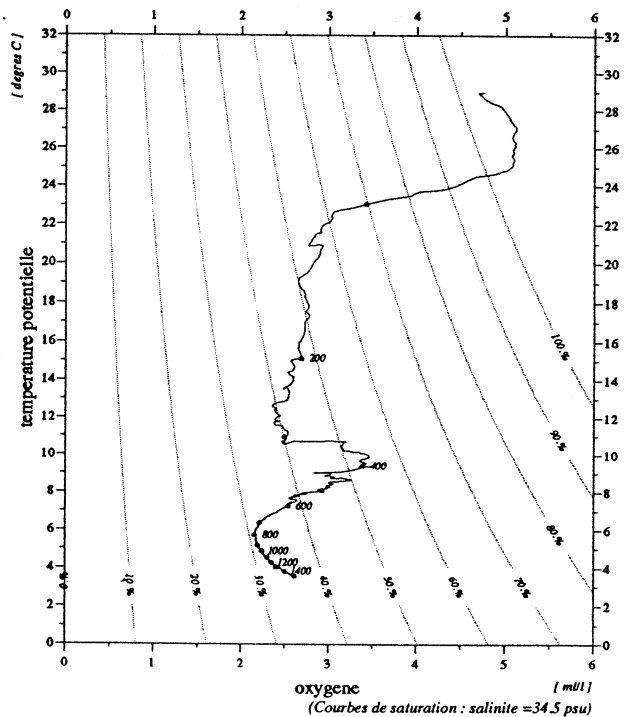


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1518.
temperature	28.958	3.647
theta	28.958	3.530
salinite	35.048	34.652
gamma (s, tp, 0)	22.117	27.557
oxygene	4.70	2.60

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 3505 m (3556 dbar)	
22- 2-1992	16.46' S
9.36 tu	117.30' E

MD71/JADE2

Station 9.20

94/01/24  
13:34:43

STATION-0930

1

JADE 92

station : 9.30

donnees reduites a 10 dbar

le 22/ 2/1992 a 12.00 tu -16.4654 117.3058 sonde: 3505 m (3556.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	28.925	28.925	35.045	22.125	22.123	38.203	199.6	4.57	102.9	569.5	0.000	1543.4	0.00	
10.	9.9	28.931	28.929	35.046	22.125	22.121	38.203	200.3	4.59	103.3	569.9	0.046	1543.6	1.24	
20.	19.9	28.936	28.931	35.046	22.124	22.120	38.202	198.8	4.55	102.5	570.5	0.103	1543.8	0.00	
30.	29.8	28.937	28.929	35.046	22.124	22.120	38.202	198.6	4.55	102.4	570.9	0.160	1543.9	0.62	
40.	39.8	28.490	28.481	34.966	22.213	22.208	38.313	205.3	4.70	105.1	562.9	0.217	1543.0	7.48	
50.	49.7	26.889	26.877	34.727	22.553	22.547	38.731	211.9	4.85	105.5	530.8	0.272	1539.4	8.58	
60.	59.6	25.972	25.958	34.698	22.820	22.814	39.043	217.1	4.97	106.5	505.6	0.324	1537.4	10.84	
70.	69.6	25.413	25.398	34.850	23.108	23.102	39.355	217.2	4.97	105.6	478.5	0.372	1536.4	4.64	
80.	79.5	24.919	24.901	34.878	23.281	23.274	39.552	218.6	5.01	105.5	462.4	0.419	1535.4	6.80	
90.	89.4	23.765	23.747	34.805	23.570	23.563	39.902	183.2	4.20	86.6	435.2	0.464	1532.7	9.60	
100.	99.4	23.300	23.279	34.869	23.755	23.748	40.111	159.2	3.65	74.7	417.8	0.507	1531.7	6.84	
110.	109.3	22.042	22.020	34.820	24.077	24.070	40.502	134.8	3.09	61.9	387.4	0.548	1528.6	9.60	
120.	119.3	21.424	21.401	34.793	24.229	24.221	40.689	126.5	2.90	57.4	373.3	0.586	1527.1	4.64	
130.	129.2	20.927	20.902	34.789	24.361	24.353	40.850	122.2	2.80	55.0	361.0	0.622	1525.9	4.34	
140.	139.1	20.760	20.734	34.896	24.488	24.480	40.984	127.7	2.93	57.3	349.2	0.658	1525.8	9.35	
150.	149.1	19.334	19.307	34.885	24.856	24.848	41.436	121.8	2.79	53.3	314.3	0.691	1522.0	8.87	
160.	159.0	18.282	18.255	34.913	25.144	25.136	41.788	119.4	2.74	51.3	287.1	0.721	1519.2	12.51	
170.	168.9	17.573	17.544	34.932	25.333	25.325	42.022	119.7	2.75	50.7	269.3	0.749	1517.3	9.55	
180.	178.9	16.737	16.707	34.904	25.511	25.503	42.255	119.1	2.73	49.6	252.5	0.775	1514.9	10.28	
190.	188.8	16.060	16.030	34.895	25.661	25.653	42.450	117.4	2.70	48.3	238.4	0.800	1513.0	7.19	
200.	198.7	15.353	15.322	34.859	25.792	25.785	42.631	115.0	2.64	46.7	226.0	0.823	1510.9	5.67	
220.	218.6	14.288	14.255	34.811	25.988	25.980	42.902	112.0	2.57	44.5	207.7	0.867	1507.8	5.97	
240.	238.4	13.174	13.141	34.744	26.167	26.159	43.164	108.9	2.50	42.3	190.8	0.906	1504.4	5.71	
260.	258.3	12.401	12.367	34.697	26.283	26.276	43.340	104.4	2.40	39.9	179.9	0.943	1502.1	4.24	
280.	278.2	11.849	11.813	34.682	26.378	26.371	43.477	104.2	2.39	39.3	171.2	0.978	1500.6	4.15	
300.	298.0	11.600	11.562	34.682	26.425	26.418	43.544	105.2	2.42	39.5	167.1	1.012	1500.0	1.75	
fin	305.	303.0	11.538	11.499	34.701	26.452	26.444	43.575	107.9	2.48	40.5	164.7	1.021	1499.9	5.93

Vitesse verticale moyenne du son entre 2. et 305. dbar : 1521.2 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

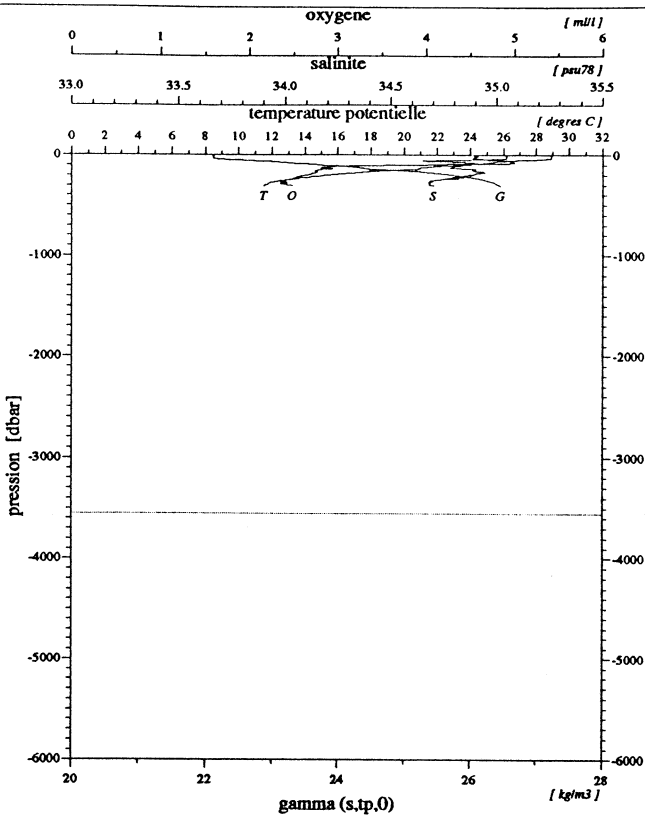


Diagramme salinite / oxygene

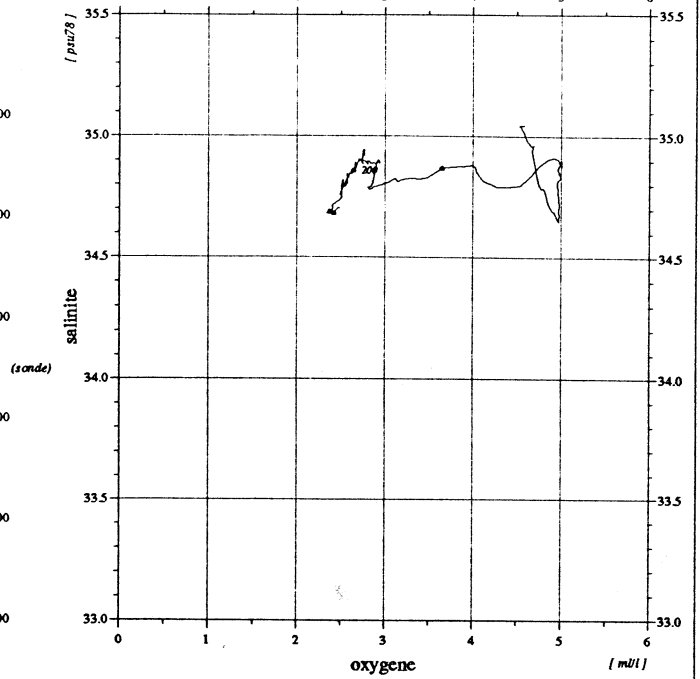


Diagramme temperature potentielle / salinite

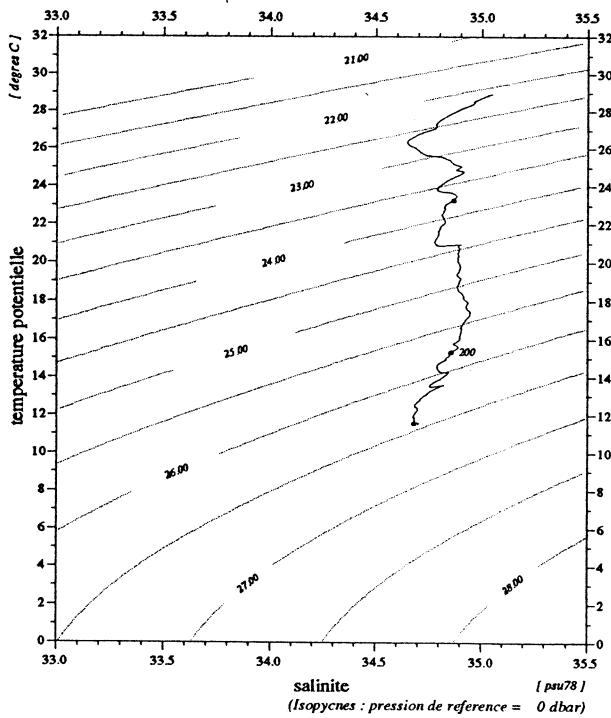
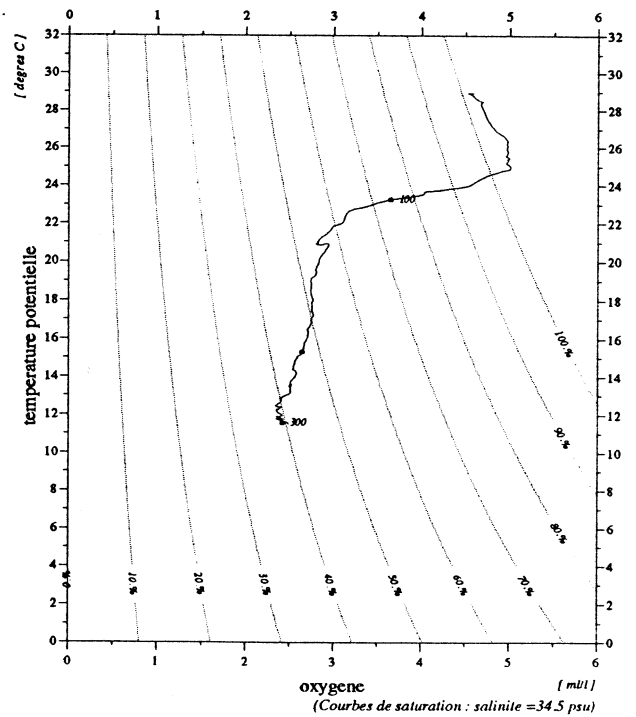


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	305.
temperature	28.925	11.538
theta	28.925	11.499
salinite	35.045	34.701
gamma (s,tp,0)	22.125	26.452
oxygene	4.57	2.48

Niveaux reduits a 1 dbar  
Bathysonde : NEE-BROWN type Mark III no 01-1116  
13/1/94

sonde 3505 m (3556 dbar)	
22- 2-1992	16.46' 5 S
12.00 tu	117.30' 5 E

MD71/JADE2

Station 9.30





Profils verticaux

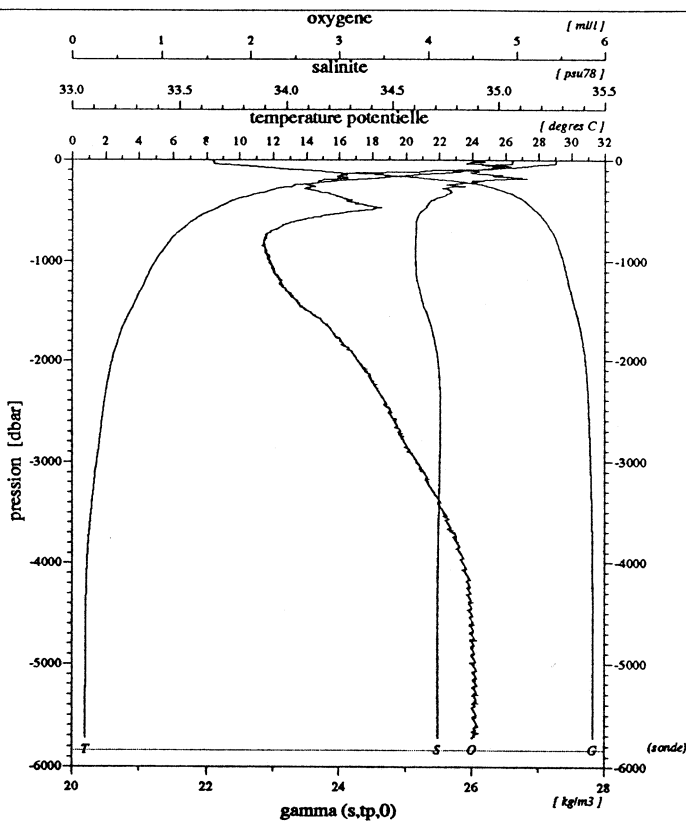


Diagramme salinite / oxygene

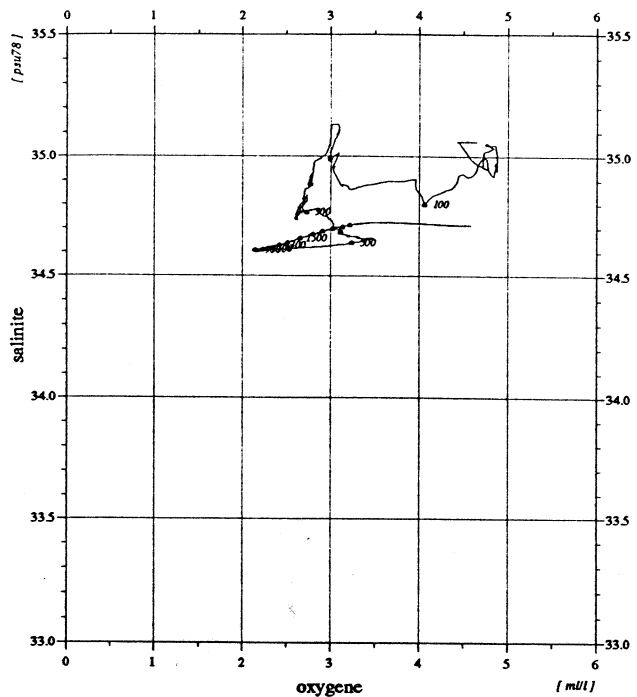


Diagramme temperature potentielle / salinite

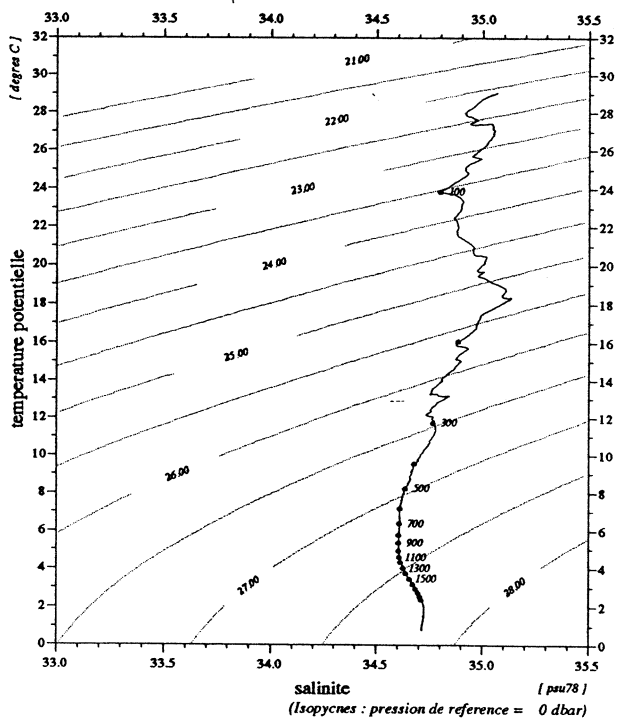
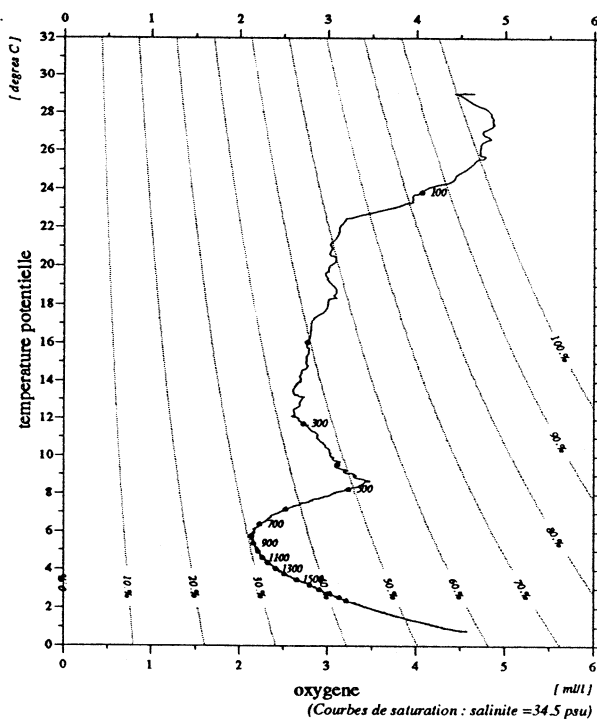


Diagramme temperature potentielle / oxygene



	debut	fin
pression	4.	5726.
temperature	29.054	1.314
theta	29.053	0.795
salinite	35.065	34.714
gamma (s,tp,0)	22.097	27.829
oxygene	4.54	4.51

Niveaux reduits a -1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 5729 m (5841 dbar)	
23- 2-1992	16.19' 1 S
3.00 tu	117.22' 4 E

MD71/JADE2

Station 10.10

94/01/24  
13:34:58

1

## STATION-1020

JADE 92

station : 10.20

donnees reduites a 10 dbar

le 22/ 2/1992 a 21.57 tu -16.1804 117.2217 sonde: 5729 m (5841.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	28.999	28.999	35.046	22.101	22.099	38.176	205.9	4.71	106.3	571.8	0.000	1543.6	0.00
10.	9.9	29.006	29.003	35.045	22.099	22.096	38.174	207.6	4.75	107.2	572.4	0.046	1543.7	0.88
20.	19.9	29.019	29.015	35.044	22.095	22.091	38.169	201.3	4.61	104.0	573.3	0.103	1543.9	0.00
30.	29.8	29.008	29.000	35.043	22.098	22.094	38.173	198.0	4.53	102.2	573.4	0.160	1544.1	2.06
40.	39.8	27.525	27.516	34.855	22.445	22.440	38.590	212.2	4.86	106.8	540.7	0.216	1540.8	11.78
50.	49.7	27.430	27.418	35.041	22.617	22.611	38.763	213.7	4.89	107.6	524.7	0.270	1540.9	8.93
60.	59.6	26.865	26.851	35.047	22.803	22.796	38.975	213.9	4.90	106.7	507.4	0.321	1539.8	8.12
70.	69.6	26.296	26.280	35.017	22.960	22.953	39.161	211.0	4.83	104.2	492.7	0.372	1538.7	6.54
80.	79.5	25.593	25.576	34.994	23.162	23.155	39.397	204.5	4.68	99.8	473.9	0.420	1537.2	6.18
90.	89.4	24.334	24.315	34.875	23.455	23.447	39.756	189.0	4.33	90.3	446.2	0.466	1534.2	6.44
100.	99.4	23.670	23.649	34.858	23.639	23.631	39.975	172.6	3.96	81.5	429.0	0.510	1532.7	4.47
110.	109.3	23.014	22.991	34.898	23.860	23.852	40.230	165.1	3.79	77.1	408.2	0.552	1531.2	10.35
120.	119.3	21.770	21.746	34.878	24.198	24.190	40.636	136.0	3.12	62.2	376.3	0.591	1528.1	13.13
130.	129.2	20.768	20.744	34.957	24.532	24.524	41.026	136.7	3.14	61.4	344.7	0.626	1525.7	8.91
140.	139.1	20.457	20.431	35.020	24.664	24.656	41.175	137.4	3.15	61.4	332.4	0.660	1525.1	6.16
150.	149.1	19.710	19.683	34.984	24.834	24.826	41.390	129.7	2.98	57.2	316.5	0.693	1523.2	6.81
160.	159.0	19.098	19.069	35.023	25.022	25.014	41.614	129.4	2.97	56.4	298.9	0.724	1521.6	11.65
170.	168.9	18.695	18.665	35.104	25.187	25.179	41.802	134.3	3.08	58.2	283.4	0.753	1520.7	6.07
180.	178.9	18.090	18.059	35.031	25.282	25.273	41.936	130.7	3.00	55.9	274.6	0.781	1519.1	8.93
190.	188.8	16.969	16.937	34.979	25.514	25.505	42.241	122.5	2.81	51.3	252.7	0.807	1515.9	8.07
200.	198.7	15.798	15.767	34.859	25.693	25.685	42.501	120.3	2.76	49.3	235.5	0.832	1512.3	6.31
220.	218.6	14.765	14.732	34.894	25.949	25.941	42.828	121.8	2.80	48.9	211.5	0.876	1509.5	3.27
240.	238.4	13.348	13.315	34.760	26.144	26.137	43.128	116.6	2.68	45.4	193.0	0.916	1505.0	2.77
260.	258.3	12.619	12.584	34.771	26.299	26.291	43.337	115.6	2.66	44.4	178.6	0.953	1502.9	1.96
280.	278.2	12.113	12.077	34.778	26.403	26.395	43.479	118.3	2.72	44.9	169.0	0.988	1501.6	3.81
300.	298.0	11.584	11.546	34.774	26.500	26.492	43.618	121.6	2.80	45.7	160.0	1.021	1500.1	1.38
320.	317.9	11.087	11.048	34.764	26.583	26.576	43.740	124.7	2.87	46.4	152.4	1.052	1498.7	3.86
340.	337.7	10.699	10.658	34.749	26.642	26.634	43.830	127.5	2.93	47.0	147.0	1.082	1497.6	2.90
360.	357.6	10.220	10.177	34.717	26.701	26.693	43.929	131.1	3.02	47.8	141.6	1.111	1496.2	3.50
380.	377.4	9.891	9.846	34.700	26.744	26.736	43.999	132.4	3.04	48.0	137.7	1.139	1495.3	2.90
400.	397.3	9.494	9.449	34.673	26.789	26.782	44.079	134.2	3.09	48.2	133.5	1.166	1494.2	3.09
420.	417.1	9.283	9.236	34.674	26.825	26.817	44.132	141.0	3.24	50.4	130.4	1.192	1493.8	2.14
440.	436.9	9.003	8.954	34.661	26.861	26.853	44.192	144.6	3.33	51.4	127.2	1.218	1493.0	2.47
460.	456.8	8.776	8.726	34.660	26.896	26.887	44.246	150.0	3.45	53.0	124.1	1.243	1492.5	0.87
480.	476.6	8.576	8.524	34.650	26.920	26.911	44.288	148.3	3.41	52.2	122.0	1.268	1492.1	0.00
500.	496.4	8.364	8.311	34.640	26.944	26.936	44.331	142.8	3.28	50.0	119.9	1.292	1491.6	1.96
550.	546.0	7.708	7.652	34.618	27.026	27.017	44.471	123.9	2.85	42.7	112.3	1.350	1489.9	2.05
600.	595.6	7.255	7.197	34.611	27.085	27.076	44.571	109.6	2.52	37.4	107.1	1.405	1489.0	1.75
650.	645.1	6.836	6.775	34.608	27.141	27.132	44.665	102.7	2.36	34.7	102.0	1.457	1488.2	2.83
700.	694.7	6.483	6.418	34.608	27.189	27.180	44.746	96.7	2.22	32.4	97.7	1.507	1487.7	1.52
750.	744.2	6.172	6.104	34.608	27.230	27.221	44.816	94.5	2.17	31.5	94.1	1.555	1487.3	1.24
800.	793.7	5.922	5.850	34.606	27.261	27.252	44.871	92.6	2.13	30.6	91.5	1.601	1487.1	0.00
850.	843.3	5.682	5.608	34.605	27.290	27.280	44.923	92.4	2.12	30.4	89.0	1.646	1487.0	1.07
900.	892.7	5.409	5.332	34.605	27.323	27.313	44.982	93.6	2.15	30.6	85.9	1.690	1486.7	0.87
950.	942.2	5.166	5.085	34.605	27.352	27.343	45.035	93.9	2.16	30.5	83.3	1.732	1486.5	1.51
1000.	991.7	4.982	4.899	34.606	27.375	27.365	45.076	95.2	2.19	30.8	81.3	1.773	1486.6	1.38
1100.	1090.6	4.670	4.580	34.608	27.412	27.402	45.144	97.2	2.24	31.2	78.2	1.853	1487.0	0.62
1200.	1189.5	4.384	4.287	34.617	27.452	27.441	45.212	100.8	2.32	32.1	74.8	1.929	1487.5	0.00
1300.	1288.3	4.040	3.938	34.631	27.499	27.488	45.294	106.1	2.44	33.5	70.3	2.002	1487.7	1.51
1400.	1387.1	3.735	3.628	34.645	27.542	27.531	45.367	110.5	2.54	34.7	66.3	2.070	1488.2	1.38
1500.	1485.8	3.434	3.321	34.665	27.587	27.576	45.443	118.2	2.72	36.8	61.8	2.134	1488.6	0.87
fin	1517.	1502.6	3.380	3.266	34.668	27.595	27.584	45.457	118.8	2.73	37.0	2.145	1488.6	1.24

Vitesse verticale moyenne du son entre 2. et 1517. dbar : 1495.6 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

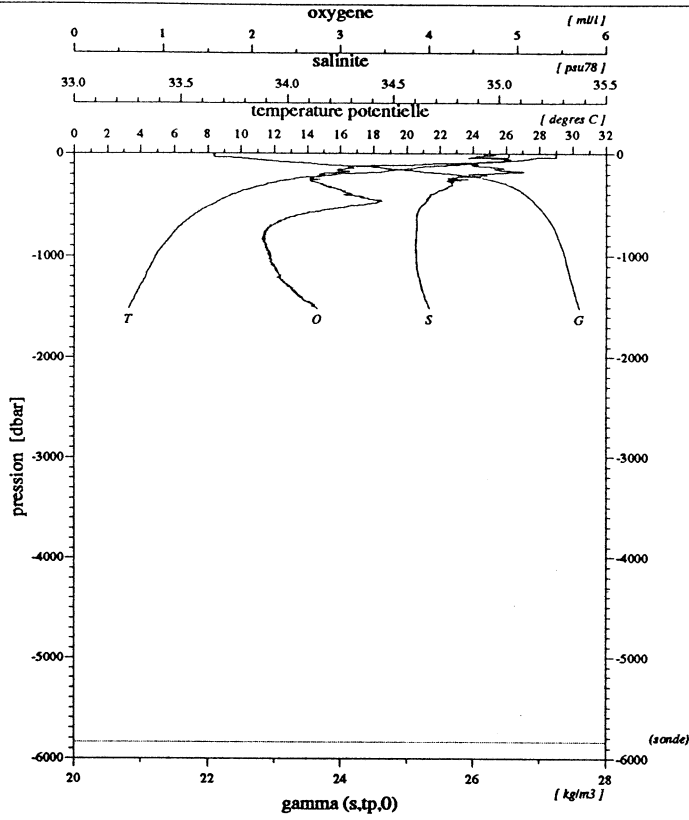


Diagramme salinite / oxygene

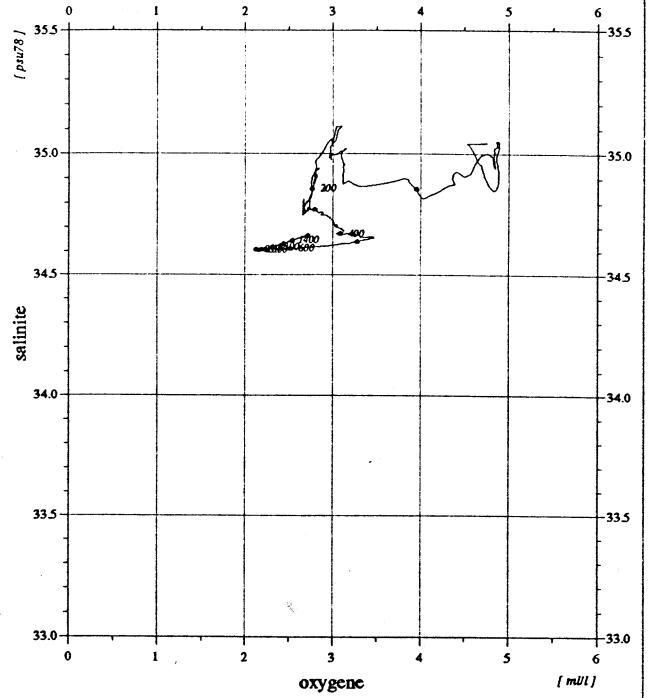


Diagramme temperature potentielle / salinite

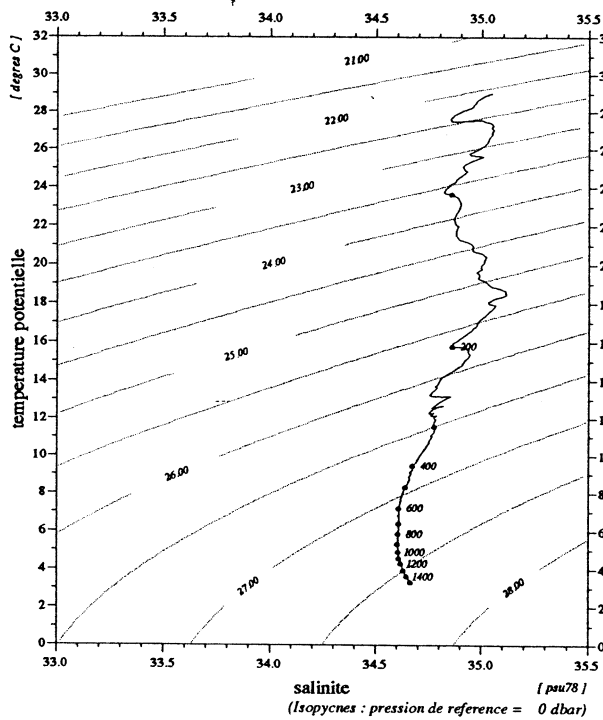
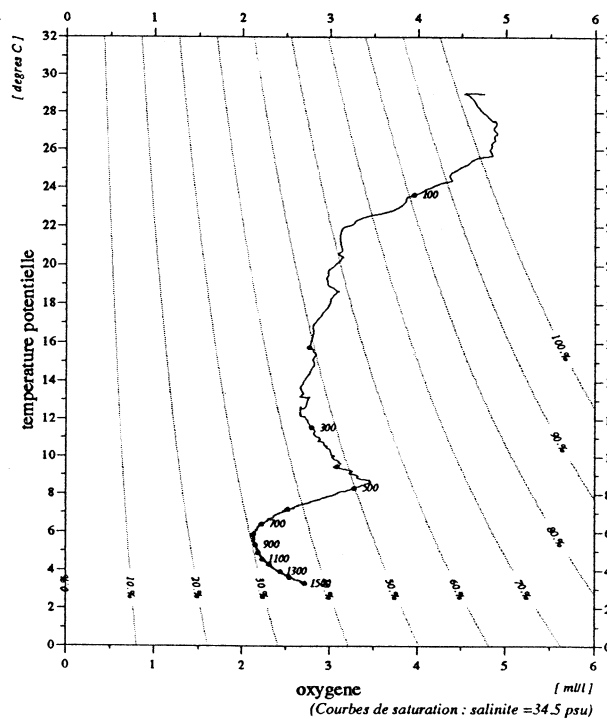


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1517.
temperature	28.999	3.380
theta	28.999	3.266
salinite	35.046	34.668
gamma (s,tp,0)	22.101	27.595
oxygene	4.71	2.73

Niveaux reduits a 1 dbar  
Bathysonde : NEE-BROWN type Mark III no 01-1116  
13/1/94

sonde 5729 m (5841 dbar)	
22- 2-1992	16.18' 0 S
21.57 tu	117.22' 1 E

MD71/JADE2

Station 10.20

94/01/24  
13:34:52

STATION-1030

1

JADE 92

station : 10.30

donnees reduites a 10 dbar

le 22/ 2/1992 a 19.53 tu -16.1798 117.2242 sonde: 5744 m (5857.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
3.	3.0	29.027	29.027	35.047	22.093	22.090	38.167	191.6	4.39	99.0	572.6	0.000	1543.7	0.00	
10.	9.9	29.038	29.035	35.048	22.090	22.087	38.164	192.3	4.40	99.3	573.2	0.040	1543.8	1.07	
20.	19.9	29.041	29.036	35.047	22.090	22.086	38.163	194.2	4.45	100.3	573.8	0.097	1544.0	0.00	
30.	29.8	29.044	29.037	35.047	22.089	22.084	38.162	200.9	4.60	103.8	574.3	0.155	1544.2	0.62	
40.	39.8	27.505	27.495	34.969	22.538	22.533	38.682	216.2	4.95	108.9	531.8	0.211	1540.9	11.48	
50.	49.7	26.900	26.888	35.061	22.801	22.795	38.972	214.1	4.90	106.9	507.1	0.263	1539.8	6.83	
60.	59.6	26.441	26.428	35.029	22.924	22.917	39.117	215.4	4.93	106.7	495.8	0.313	1538.8	6.59	
70.	69.6	25.675	25.660	34.981	23.126	23.120	39.358	211.2	4.84	103.3	476.8	0.362	1537.2	10.69	
80.	79.5	24.939	24.922	34.919	23.306	23.299	39.575	201.8	4.62	97.4	460.1	0.408	1535.5	9.86	
90.	89.4	23.901	23.883	34.833	23.552	23.544	39.876	177.0	4.06	83.9	436.9	0.453	1533.0	8.09	
100.	99.4	23.566	23.546	34.876	23.683	23.675	40.024	169.4	3.88	79.8	424.8	0.496	1532.4	6.53	
110.	109.3	22.686	22.664	34.882	23.942	23.934	40.331	152.4	3.49	70.8	400.4	0.537	1530.4	8.85	
120.	119.3	21.489	21.466	34.875	24.273	24.265	40.728	131.2	3.01	59.7	369.1	0.576	1527.4	15.84	
130.	129.2	21.028	21.003	34.958	24.463	24.455	40.942	136.1	3.12	61.4	351.3	0.612	1526.4	7.38	
140.	139.1	20.574	20.548	35.012	24.626	24.618	41.130	136.4	3.13	61.1	336.1	0.646	1525.4	9.00	
150.	149.1	20.265	20.237	35.016	24.712	24.704	41.234	133.8	3.07	59.6	328.2	0.680	1524.7	7.98	
160.	159.0	19.782	19.752	35.053	24.868	24.859	41.418	133.3	3.06	58.9	313.7	0.712	1523.6	6.84	
170.	168.9	18.856	18.826	35.050	25.105	25.096	41.711	131.2	3.01	57.0	291.3	0.742	1521.1	7.83	
180.	178.9	18.541	18.509	35.089	25.215	25.206	41.839	134.2	3.08	57.9	281.2	0.771	1520.5	3.50	
190.	188.8	17.341	17.309	34.986	25.431	25.422	42.134	123.8	2.84	52.2	260.6	0.798	1517.0	5.74	
200.	198.7	16.447	16.415	34.919	25.590	25.582	42.354	119.9	2.75	49.7	245.5	0.823	1514.4	3.71	
220.	218.6	15.160	15.126	34.928	25.890	25.881	42.740	123.6	2.84	50.0	217.3	0.869	1510.7	5.03	
240.	238.4	13.591	13.557	34.787	26.115	26.107	43.080	115.6	2.65	45.2	195.9	0.910	1505.9	3.45	
260.	258.3	13.234	13.198	34.877	26.259	26.251	43.248	120.7	2.77	46.9	182.7	0.948	1505.1	3.50	
280.	278.2	12.166	12.129	34.737	26.360	26.353	43.434	111.4	2.56	42.4	173.1	0.984	1501.7	0.62	
300.	298.0	11.688	11.649	34.775	26.481	26.473	43.590	120.9	2.78	45.5	161.9	1.017	1500.4	2.40	
fin	304.	302.0	11.648	11.609	34.777	26.490	26.483	43.603	121.6	2.79	45.7	161.1	1.023	1500.4	1.52

Vitesse verticale moyenne du son entre 3. et 304. dbar : 1522.6 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

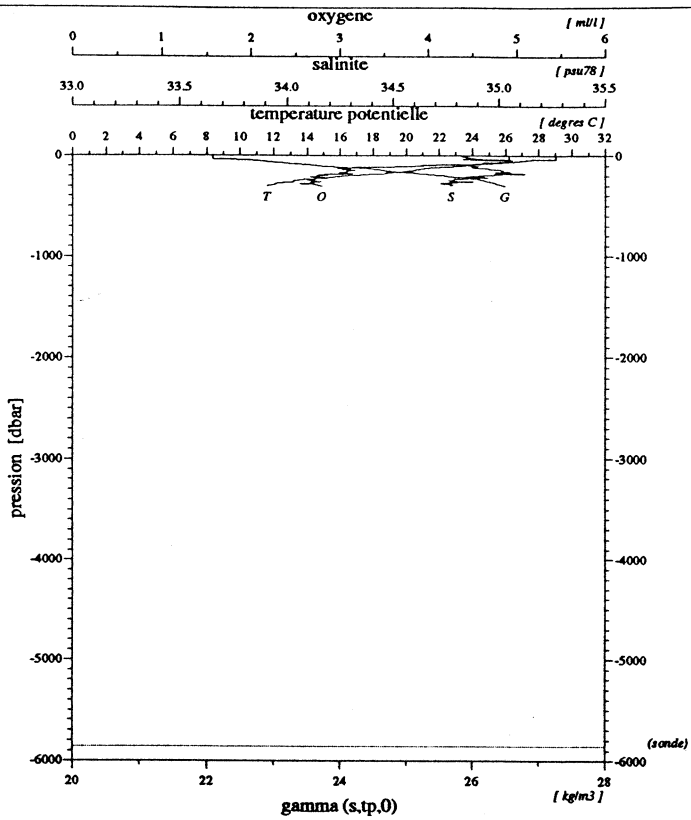


Diagramme salinite / oxygene

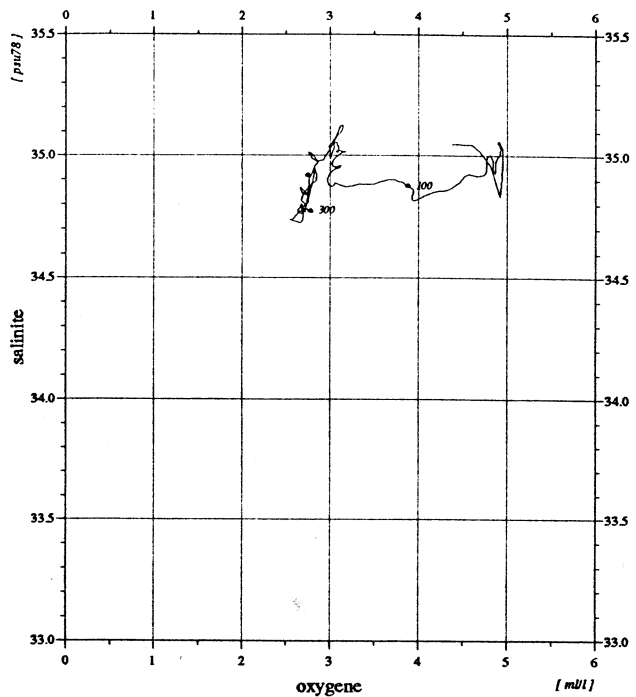


Diagramme temperature potentielle / salinite

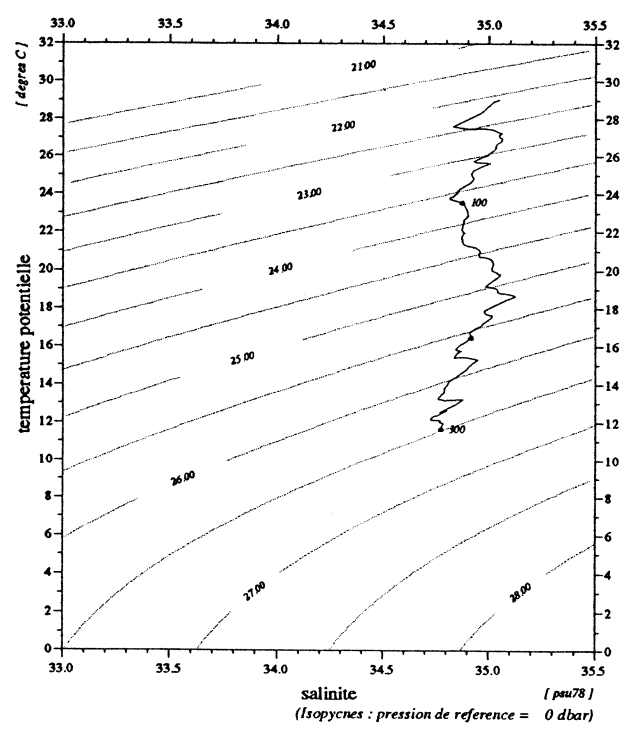
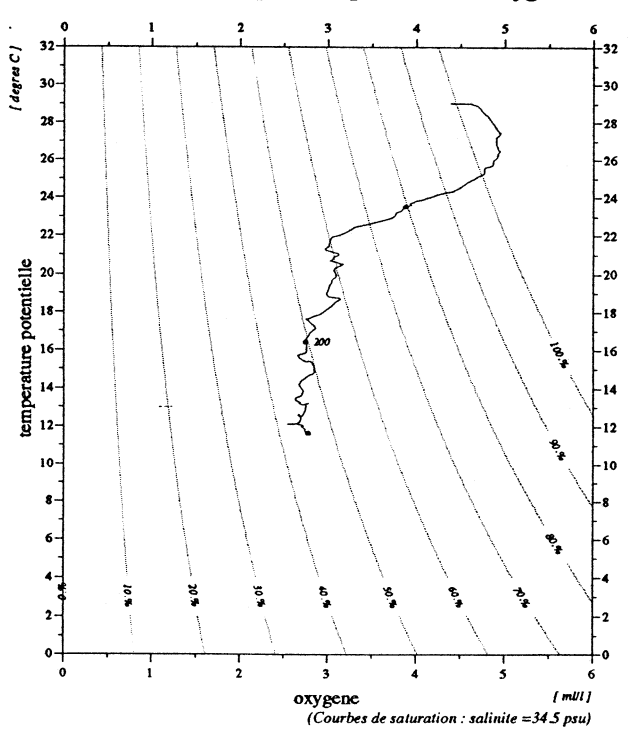


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	304.
temperature	29.027	11.648
theta	29.027	11.609
salinite	35.047	34.777
gamma (s,tp,0)	22.093	26.490
oxygene	4.39	2.79

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 5744 m ( 5857 dbar )	
22- 2-1992	16.17' 9 S
19.53 tu	117.22' 4 E

MD71/JADE2

Station 10.30

94/02/04  
10:13:09

STATION-1040

1

JADE 92

station : 10.40

donnees reduites a 10 dbar

le 22/ 2/1992 a 16.40 tu -16.1822 117.2229 sonde: 5744 m (5857.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	29.025	29.024	35.036	22.086	22.083	38.160	203.7	4.66	105.2	573.3	0.000	1543.6	0.00	
10.	9.9	29.031	29.029	35.035	22.084	22.080	38.158	202.4	4.63	104.5	573.9	0.046	1543.8	0.62	
20.	19.9	29.039	29.034	35.035	22.082	22.078	38.155	201.0	4.60	103.8	574.6	0.103	1544.0	0.00	
30.	29.8	29.042	29.035	35.035	22.081	22.076	38.155	203.8	4.66	105.3	575.1	0.161	1544.1	0.00	
40.	39.8	28.524	28.514	34.974	22.208	22.203	38.306	210.8	4.82	107.9	563.4	0.218	1543.1	15.03	
50.	49.7	27.444	27.432	35.030	22.603	22.598	38.749	213.3	4.88	107.3	526.0	0.273	1541.0	9.25	
60.	59.6	26.942	26.929	35.063	22.790	22.784	38.959	216.2	4.95	108.0	508.6	0.324	1540.0	7.78	
70.	69.6	25.990	25.975	34.971	23.021	23.014	39.237	208.7	4.78	102.6	486.9	0.374	1537.9	9.57	
80.	79.5	25.202	25.185	34.920	23.226	23.219	39.483	194.8	4.46	94.4	467.7	0.422	1536.2	8.15	
90.	89.4	23.985	23.966	34.865	23.551	23.544	39.870	180.2	4.13	85.5	437.0	0.467	1533.3	7.75	
100.	99.4	23.169	23.149	34.897	23.815	23.807	40.176	162.4	3.72	76.1	412.2	0.509	1531.4	8.83	
110.	109.3	22.083	22.061	34.881	24.112	24.104	40.533	135.8	3.11	62.4	384.1	0.549	1528.8	11.03	
120.	119.3	21.262	21.239	34.907	24.359	24.351	40.826	131.8	3.02	59.7	360.8	0.586	1526.8	6.19	
130.	129.2	20.829	20.804	34.948	24.509	24.501	41.000	131.8	3.02	59.3	346.9	0.621	1525.9	7.09	
140.	139.1	20.268	20.241	35.009	24.706	24.698	41.228	136.1	3.12	60.6	328.4	0.655	1524.6	9.47	
150.	149.1	19.569	19.541	35.040	24.913	24.905	41.476	133.7	3.07	58.8	309.0	0.687	1522.8	9.23	
160.	159.0	18.790	18.762	35.078	25.142	25.134	41.751	133.0	3.05	57.7	287.4	0.717	1520.8	8.31	
170.	168.9	18.098	18.068	35.070	25.310	25.302	41.963	134.8	3.09	57.7	271.6	0.745	1519.0	8.58	
180.	178.9	17.191	17.161	35.052	25.517	25.509	42.228	129.9	2.98	54.7	252.1	0.771	1516.4	5.18	
190.	188.8	16.302	16.272	34.941	25.640	25.632	42.412	123.5	2.84	51.1	240.4	0.795	1513.8	4.33	
200.	198.7	15.715	15.684	34.942	25.775	25.767	42.587	122.7	2.82	50.2	227.7	0.819	1512.2	5.64	
220.	218.6	14.881	14.847	34.893	25.923	25.915	42.794	121.1	2.78	48.7	214.0	0.862	1509.8	4.33	
240.	238.4	13.415	13.382	34.765	26.134	26.127	43.113	114.3	2.63	44.6	194.0	0.903	1505.3	6.31	
260.	258.3	12.341	12.306	34.736	26.326	26.318	43.385	110.3	2.54	42.1	175.9	0.940	1502.0	2.70	
280.	278.2	12.079	12.042	34.796	26.423	26.415	43.501	118.6	2.73	45.0	167.1	0.975	1501.5	4.10	
300.	298.0	11.520	11.482	34.780	26.517	26.509	43.639	120.5	2.77	45.2	158.4	1.007	1499.9	3.09	
320.	317.9	10.900	10.861	34.752	26.608	26.601	43.780	126.1	2.90	46.7	149.9	1.038	1498.0	4.55	
329.	326.8	10.654	10.614	34.739	26.642	26.634	43.834	-9.0	-9.00	-9.0	146.8	1.051	1497.3	3.21	
1400.	1387.1	3.787	3.678	34.644	27.536	27.525	45.356	112.3	2.58	35.3	67.0	2.183	1488.4	1.07	
1500.	1485.8	3.556	3.442	34.658	27.570	27.559	45.414	117.4	2.70	36.7	63.9	2.249	1489.1	1.24	
1600.	1584.5	3.271	3.151	34.674	27.611	27.599	45.484	122.4	2.82	38.0	59.8	2.311	1489.6	1.24	
1700.	1683.1	3.016	2.890	34.688	27.646	27.635	45.546	128.8	2.96	39.7	56.2	2.368	1490.2	0.87	
1800.	1781.7	2.797	2.666	34.700	27.676	27.664	45.598	134.4	3.09	41.2	53.2	2.423	1490.9	1.51	
1900.	1880.2	2.642	2.505	34.707	27.696	27.683	45.635	137.8	3.17	42.1	51.3	2.475	1491.9	1.38	
2000.	1978.7	2.495	2.351	34.712	27.713	27.700	45.668	141.7	3.26	43.1	49.6	2.526	1493.0	0.62	
2200.	2175.6	2.281	2.123	34.720	27.738	27.725	45.717	147.4	3.39	44.6	47.3	2.622	1495.5	0.87	
2400.	2372.3	2.108	1.934	34.723	27.755	27.741	45.754	152.5	3.51	45.9	45.8	2.715	1498.1	0.00	
2600.	2568.7	1.978	1.789	34.724	27.767	27.753	45.782	157.2	3.62	47.2	44.8	2.806	1500.9	0.00	
2800.	2765.1	1.834	1.629	34.723	27.779	27.763	45.811	163.6	3.77	48.9	43.6	2.894	1503.7	0.62	
3000.	2961.2	1.678	1.457	34.722	27.790	27.773	45.840	168.3	3.87	50.1	42.3	2.980	1506.4	1.07	
fin	3041.	3001.4	1.625	1.401	34.721	27.794	27.777	45.850	171.0	3.93	50.8	41.7	2.998	1506.9	0.62

Vitesse verticale moyenne du son entre 2. et 3041. dbar : 1497.5 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

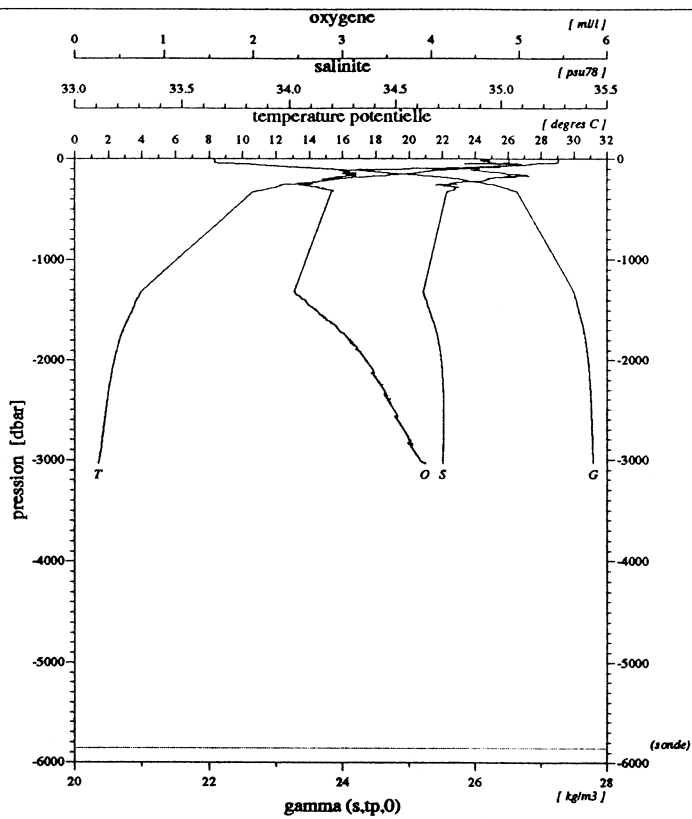


Diagramme salinite / oxygene

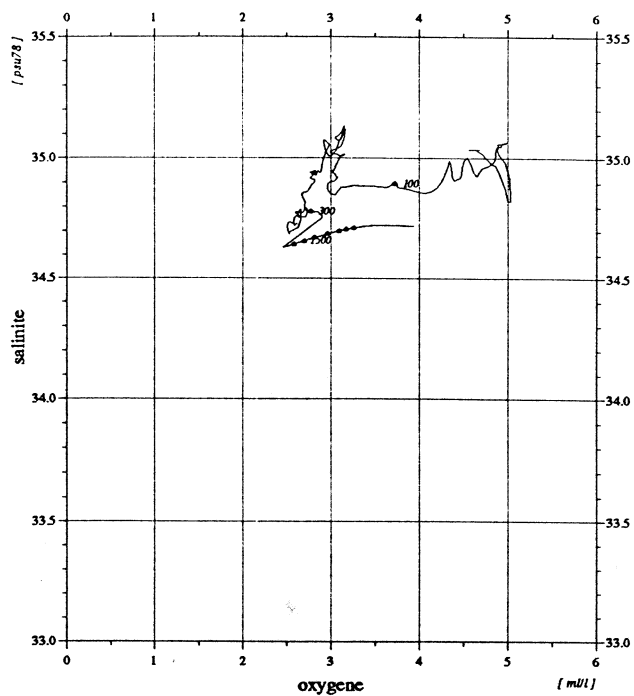


Diagramme temperature potentielle / salinite

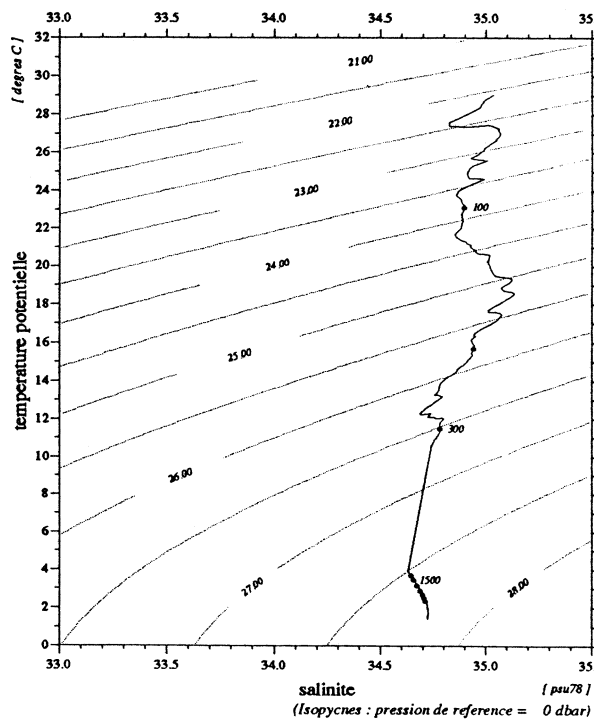
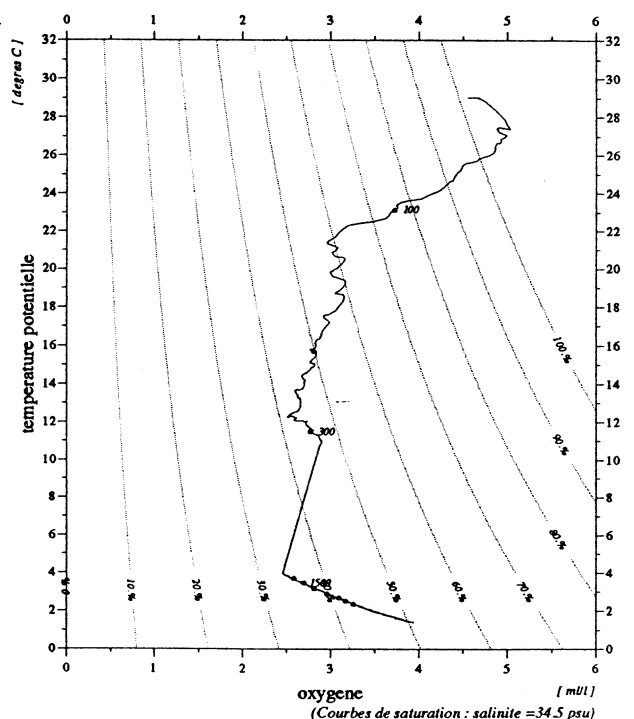


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	3041
temperature	29.025	1.625
theta	29.024	1.401
salinite	35.036	34.721
gamma (s,tp,0)	22.086	27.794
oxygene	4.66	3.93

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 5744 m (5857 dbar)	
22- 2-1992	16.18' 2 S
16.40 tu	117.22' 2 E

MD71/JADE2

Station 10.40





Profils verticaux

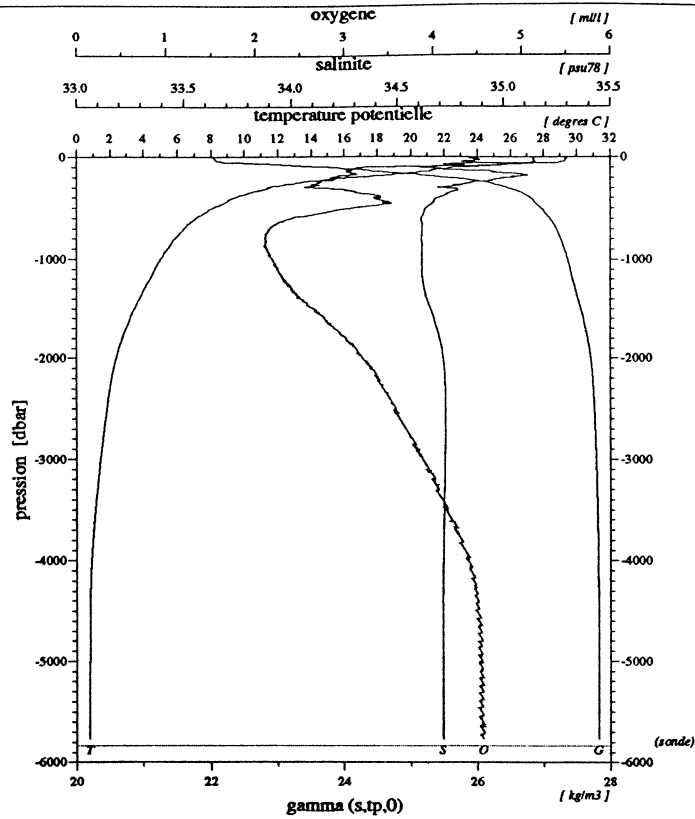


Diagramme salinite / oxygene

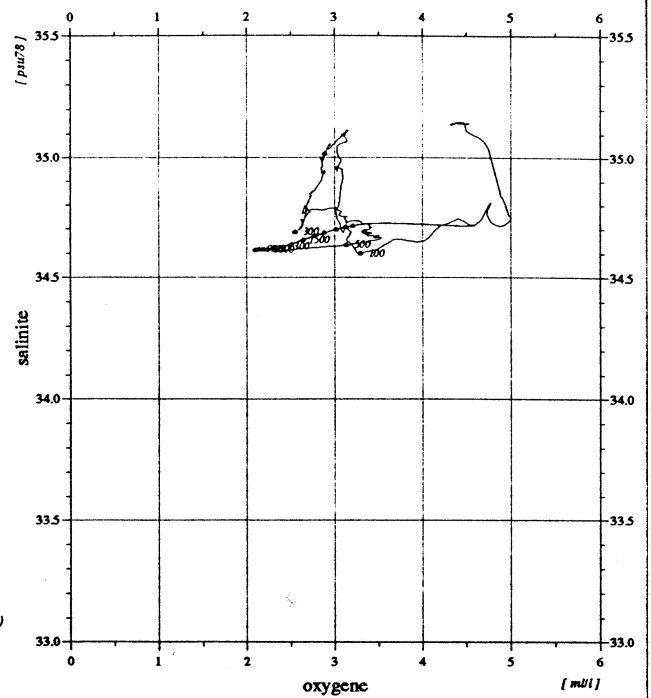


Diagramme temperature potentielle / salinite

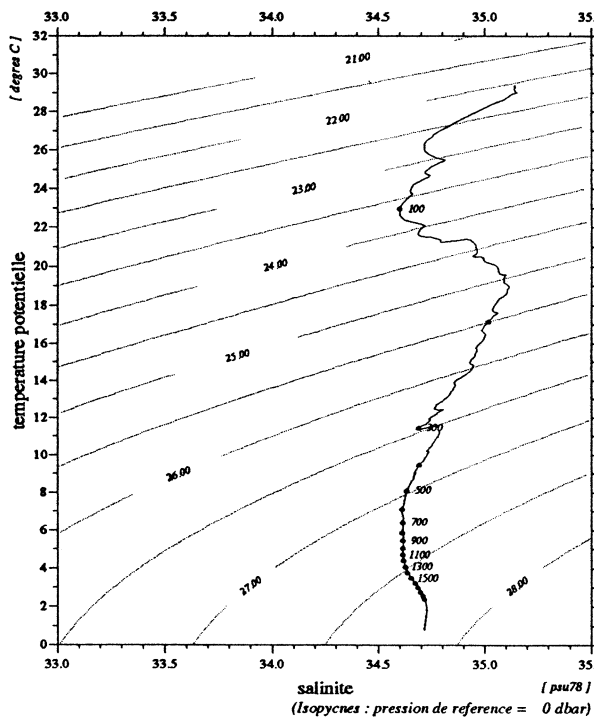
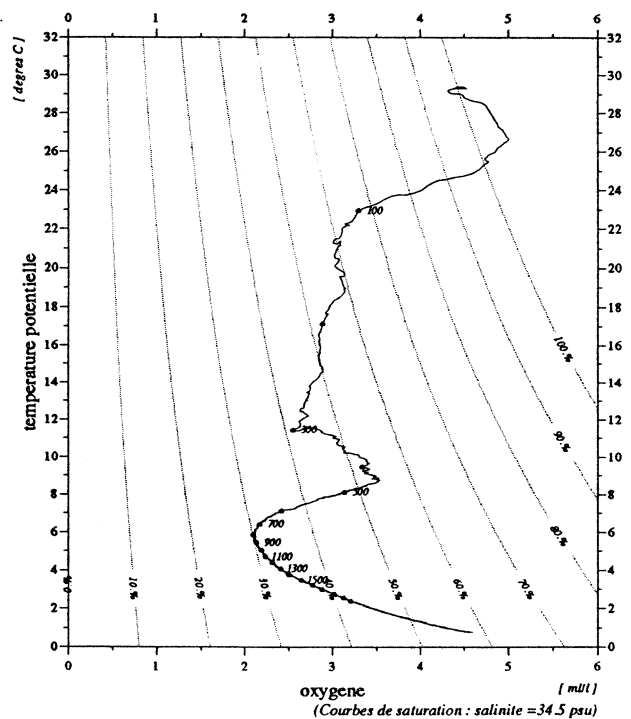


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	5769.
temperature	29.369	1.319
theta	29.369	0.794
salinite	35.143	34.713
gamma (s,tp,0)	22.050	27.828
oxygene	4.41	4.57

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
13/1/94

sonde 5722 m (5834 dbar)	
23- 2-1992	15.49' 4 S
11.11 tu	117.13' 5 E

MD71/JADE2

Station 11.10

94/01/24  
13:35:48

STATION-1120

1

JADE 92

station : 11.20

donnees reduites a 10 dbar

le 23/ 2/1992 a 16.04 tu -15.4917 117.1392 sonde: 5722 m (5834.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
3.	3.0	29.305	29.304	35.135	22.066	22.063	38.126	195.2	4.47	101.3	575.2	0.000	1544.3	0.00	
10.	9.9	29.304	29.301	35.133	22.065	22.062	38.125	195.1	4.47	101.2	575.6	0.040	1544.5	1.52	
20.	19.9	29.287	29.283	35.131	22.070	22.066	38.131	204.3	4.68	106.0	575.7	0.098	1544.6	1.24	
30.	29.8	29.100	29.093	35.138	22.139	22.134	38.208	197.1	4.51	102.0	569.6	0.155	1544.4	8.00	
40.	39.8	28.540	28.531	35.071	22.276	22.271	38.371	206.4	4.72	105.8	556.9	0.212	1543.3	9.45	
50.	49.7	27.052	27.040	34.798	22.555	22.549	38.724	220.5	5.05	110.1	530.6	0.266	1539.8	6.40	
60.	59.6	25.836	25.823	34.728	22.885	22.879	39.114	211.5	4.84	103.5	499.4	0.317	1537.1	7.12	
70.	69.6	25.070	25.055	34.743	23.132	23.126	39.399	197.6	4.53	95.5	476.2	0.366	1535.5	11.82	
80.	79.5	23.709	23.692	34.616	23.443	23.436	39.782	167.7	3.84	79.1	446.8	0.412	1532.2	10.13	
90.	89.5	22.460	22.442	34.613	23.801	23.794	40.208	134.4	3.08	62.1	412.9	0.455	1529.1	10.60	
100.	99.4	21.607	21.587	34.647	24.066	24.059	40.519	131.7	3.02	60.0	388.0	0.495	1527.1	5.18	
110.	109.3	21.198	21.177	34.644	24.176	24.169	40.652	128.3	2.94	58.0	377.8	0.533	1526.2	7.04	
120.	119.3	20.876	20.853	34.791	24.376	24.368	40.867	129.1	2.96	58.0	359.2	0.570	1525.6	9.17	
130.	129.2	20.203	20.179	34.814	24.574	24.566	41.104	125.8	2.88	55.9	340.6	0.605	1524.0	7.33	
140.	139.1	19.940	19.914	35.083	24.849	24.841	41.389	138.2	3.17	61.2	314.7	0.638	1523.7	5.11	
150.	149.1	19.132	19.105	35.111	25.080	25.073	41.668	138.4	3.18	60.4	292.9	0.668	1521.7	4.99	
160.	159.0	18.508	18.480	35.089	25.222	25.214	41.848	136.0	3.12	58.7	279.7	0.697	1520.0	8.02	
170.	168.9	17.549	17.521	35.024	25.408	25.401	42.097	127.0	2.91	53.8	262.1	0.724	1517.3	6.31	
180.	178.9	16.577	16.548	34.981	25.607	25.599	42.360	125.5	2.88	52.2	243.3	0.749	1514.5	6.37	
190.	188.8	16.329	16.298	34.984	25.667	25.659	42.437	124.3	2.85	51.4	237.9	0.773	1513.9	8.00	
200.	198.7	15.827	15.796	34.959	25.764	25.756	42.567	122.2	2.81	50.1	228.9	0.796	1512.5	2.55	
220.	218.6	14.888	14.855	34.937	25.956	25.948	42.825	124.9	2.87	50.3	210.9	0.841	1509.9	5.67	
240.	238.4	13.958	13.923	34.863	26.098	26.090	43.035	121.1	2.78	47.8	197.7	0.881	1507.1	6.09	
260.	258.3	13.002	12.966	34.818	26.259	26.252	43.268	118.2	2.71	45.7	182.5	0.919	1504.3	5.84	
280.	278.2	12.152	12.115	34.799	26.411	26.403	43.484	119.4	2.74	45.4	168.3	0.954	1501.7	2.77	
300.	298.0	11.435	11.397	34.775	26.528	26.521	43.657	122.6	2.82	45.9	157.3	0.986	1499.6	3.33	
320.	317.9	11.252	11.211	34.784	26.569	26.561	43.713	128.9	2.96	48.1	153.8	1.018	1499.3	1.38	
340.	337.7	10.994	10.952	34.779	26.613	26.604	43.776	134.9	3.10	50.0	150.0	1.048	1498.7	2.23	
360.	357.6	10.591	10.548	34.754	26.666	26.657	43.863	137.9	3.17	50.7	145.2	1.077	1497.6	3.66	
380.	377.4	10.160	10.115	34.734	26.725	26.717	43.957	138.2	3.18	50.4	139.8	1.106	1496.3	2.97	
400.	397.3	9.824	9.778	34.717	26.769	26.761	44.030	148.1	3.40	53.6	135.7	1.133	1495.4	3.03	
420.	417.1	9.429	9.381	34.688	26.813	26.804	44.107	145.5	3.35	52.2	131.7	1.160	1494.3	2.62	
440.	436.9	9.176	9.127	34.673	26.842	26.834	44.158	147.6	3.39	52.6	129.1	1.186	1493.7	1.64	
460.	456.8	8.974	8.924	34.668	26.870	26.862	44.204	150.2	3.45	53.3	126.7	1.212	1493.3	0.87	
480.	476.6	8.692	8.640	34.659	26.909	26.900	44.267	153.7	3.54	54.2	123.2	1.237	1492.5	2.47	
500.	496.5	8.367	8.314	34.643	26.946	26.938	44.333	144.8	3.33	50.7	119.7	1.261	1491.6	2.14	
550.	546.0	7.792	7.736	34.627	27.020	27.012	44.458	122.9	2.83	42.5	113.0	1.319	1490.3	2.23	
600.	595.6	7.325	7.266	34.618	27.080	27.072	44.560	111.1	2.56	38.0	107.6	1.374	1489.3	1.64	
650.	645.2	6.902	6.840	34.613	27.136	27.127	44.654	100.0	2.30	33.9	102.6	1.427	1488.5	2.55	
700.	694.7	6.610	6.545	34.612	27.176	27.167	44.721	95.7	2.20	32.2	99.2	1.477	1488.2	2.47	
750.	744.2	6.302	6.233	34.616	27.219	27.210	44.793	92.4	2.13	30.9	95.3	1.526	1487.8	1.38	
800.	793.8	5.969	5.897	34.612	27.260	27.250	44.865	92.0	2.12	30.5	91.7	1.572	1487.3	2.14	
850.	843.3	5.724	5.650	34.617	27.294	27.284	44.922	91.9	2.11	30.3	88.7	1.617	1487.2	1.24	
900.	892.8	5.524	5.446	34.617	27.319	27.309	44.967	92.1	2.12	30.2	86.6	1.661	1487.2	0.87	
950.	942.3	5.269	5.188	34.617	27.350	27.340	45.022	93.2	2.14	30.4	83.7	1.704	1487.0	1.38	
1000.	991.7	5.101	5.016	34.616	27.369	27.359	45.058	95.3	2.19	30.9	82.2	1.745	1487.1	1.51	
1100.	1090.6	4.673	4.583	34.615	27.417	27.407	45.149	99.8	2.30	32.1	77.7	1.825	1487.0	1.07	
1200.	1189.5	4.381	4.285	34.621	27.455	27.444	45.215	101.8	2.34	32.5	74.5	1.902	1487.5	0.62	
1300.	1288.3	4.050	3.948	34.631	27.498	27.487	45.292	107.1	2.46	33.9	70.4	1.974	1487.8	1.38	
1400.	1387.1	3.737	3.629	34.646	27.542	27.531	45.368	112.2	2.58	35.2	66.2	2.042	1488.2	1.24	
1500.	1485.8	3.423	3.310	34.665	27.589	27.578	45.446	116.4	2.68	36.3	61.6	2.106	1488.5	0.00	
fin	1511.	1496.7	3.382	3.268	34.668	27.595	27.584	45.456	118.1	2.72	36.8	61.0	2.113	1488.5	0.00

Vitesse verticale moyenne du son entre 3. et 1511. dbar : 1495.6 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

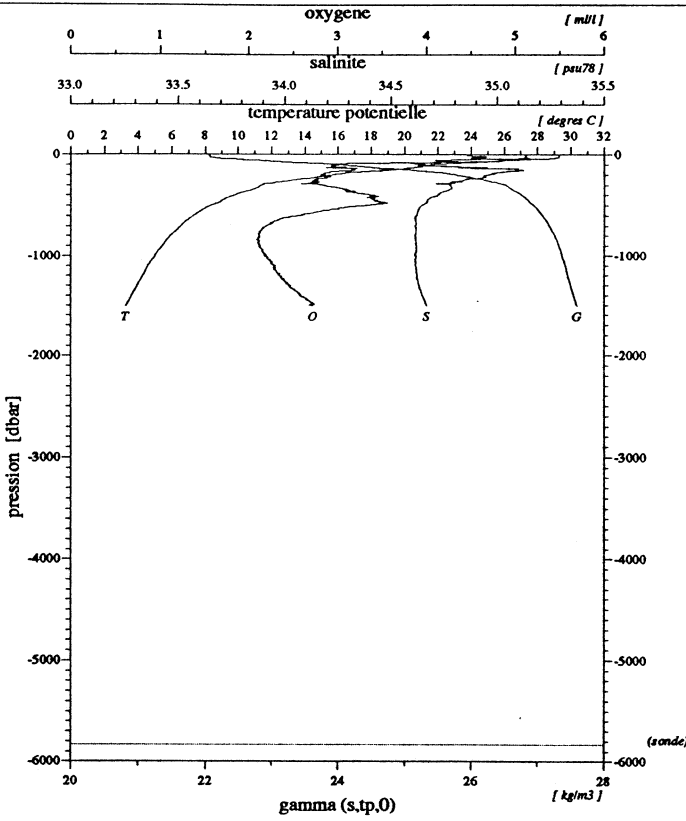


Diagramme salinite / oxygene

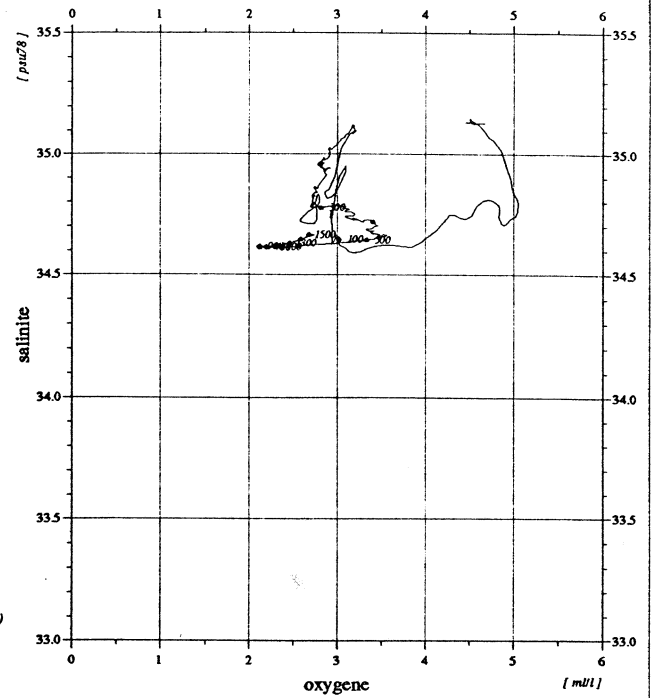


Diagramme temperature potentielle / salinite

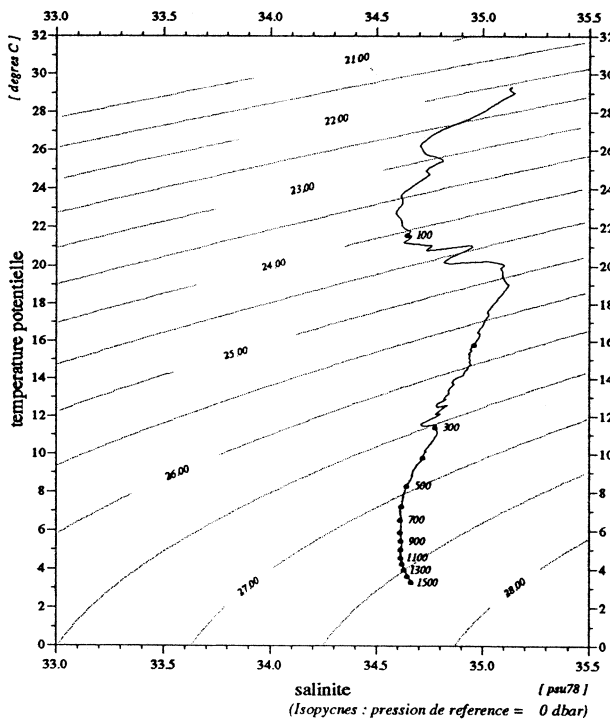
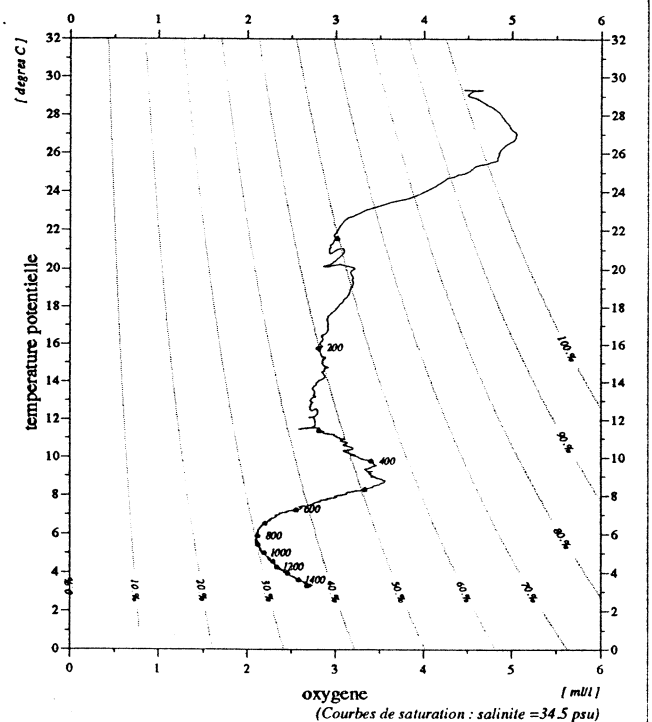


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	1511.
temperature	29.305	3.382
theta	29.304	3.268
salinite	35.135	34.668
gamma (s, tp, 0)	22.066	27.595
oxygene	4.47	2.72

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 5722 m (5834 dbar)  
 23- 2-1992 15.49' 1 S  
 16.04 tu 117.13' 9 E

MD71/JADE2

Station 11.20

94/01/24  
13:35:49

STATION-1130

1

JADE 92

station : 11.30

donnees reduites a 10 dbar

le 23/ 2/1992 a 18.17 tu -15.4919 117.1363 sonde: 5722 m (5834.dbar)

press.	prof	temp.	teta	salin	gateta	gammata	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.283	29.282	35.133	22.072	22.069	38.133	199.9	4.57	103.7	574.6	0.000	1544.3	0.00
10.	9.9	29.312	29.309	35.134	22.063	22.060	38.123	202.5	4.64	105.1	575.8	0.046	1544.5	0.88
20.	19.9	29.289	29.284	35.129	22.068	22.064	38.129	205.5	4.70	106.6	575.8	0.104	1544.6	2.15
30.	29.8	29.246	29.238	35.133	22.086	22.082	38.149	204.2	4.67	105.9	574.6	0.161	1544.7	5.44
40.	39.8	28.995	28.986	35.141	22.177	22.172	38.251	205.3	4.70	106.0	566.4	0.218	1544.3	4.32
50.	49.7	28.290	28.278	35.012	22.315	22.308	38.422	212.1	4.86	108.2	553.7	0.274	1542.8	8.17
60.	59.6	26.860	26.846	34.738	22.572	22.565	38.751	223.7	5.12	111.3	529.5	0.328	1539.5	8.78
70.	69.6	25.903	25.887	34.721	22.860	22.853	39.086	216.9	4.97	106.3	502.3	0.380	1537.4	5.85
80.	79.5	25.172	25.154	34.757	23.112	23.105	39.373	206.9	4.74	100.2	478.6	0.429	1535.9	9.98
90.	89.5	23.831	23.812	34.628	23.417	23.409	39.749	174.3	3.99	82.4	449.8	0.476	1532.6	12.77
100.	99.4	22.855	22.835	34.589	23.671	23.664	40.057	144.2	3.31	67.0	425.8	0.519	1530.3	6.59
110.	109.3	22.327	22.305	34.621	23.845	23.838	40.259	136.1	3.12	62.7	409.5	0.561	1529.1	4.64
120.	119.3	21.325	21.302	34.621	24.124	24.117	40.594	126.1	2.89	57.1	383.2	0.600	1526.7	3.56
130.	129.2	20.848	20.823	34.727	24.335	24.327	40.830	131.1	3.01	58.9	363.4	0.638	1525.7	6.98
140.	139.1	20.624	20.598	34.931	24.551	24.543	41.054	136.1	3.12	61.0	343.2	0.673	1525.4	8.22
150.	149.1	20.152	20.124	35.082	24.793	24.784	41.320	140.4	3.22	62.4	320.6	0.707	1524.5	11.11
160.	159.0	19.519	19.490	35.074	24.953	24.944	41.518	136.4	3.13	59.9	305.5	0.738	1522.9	3.77
170.	168.9	19.025	18.995	35.114	25.111	25.102	41.705	138.1	3.17	60.2	290.8	0.767	1521.7	2.77
180.	178.9	18.333	18.302	35.089	25.266	25.257	41.903	132.2	3.03	56.8	276.2	0.796	1519.9	7.76
190.	188.8	17.397	17.365	35.022	25.444	25.436	42.143	126.2	2.90	53.3	259.4	0.823	1517.2	7.30
200.	198.7	16.406	16.374	34.969	25.638	25.630	42.403	122.4	2.81	50.7	241.0	0.848	1514.3	5.94
220.	218.6	15.689	15.655	34.953	25.791	25.782	42.604	122.9	2.82	50.2	226.9	0.894	1512.4	3.45
240.	238.4	14.515	14.480	34.910	26.016	26.008	42.912	123.6	2.84	49.3	205.7	0.938	1509.0	6.43
260.	258.3	13.575	13.538	34.851	26.169	26.161	43.134	118.6	2.72	46.4	191.4	0.978	1506.2	3.71
280.	278.2	12.623	12.585	34.793	26.316	26.308	43.353	116.4	2.67	44.7	177.5	1.015	1503.3	4.42
fin 297.	295.0	11.618	11.580	34.707	26.442	26.434	43.558	120.3	2.77	45.2	165.5	1.044	1500.1	4.46

Vitesse verticale moyenne du son entre 2. et 297. dbar : 1524.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

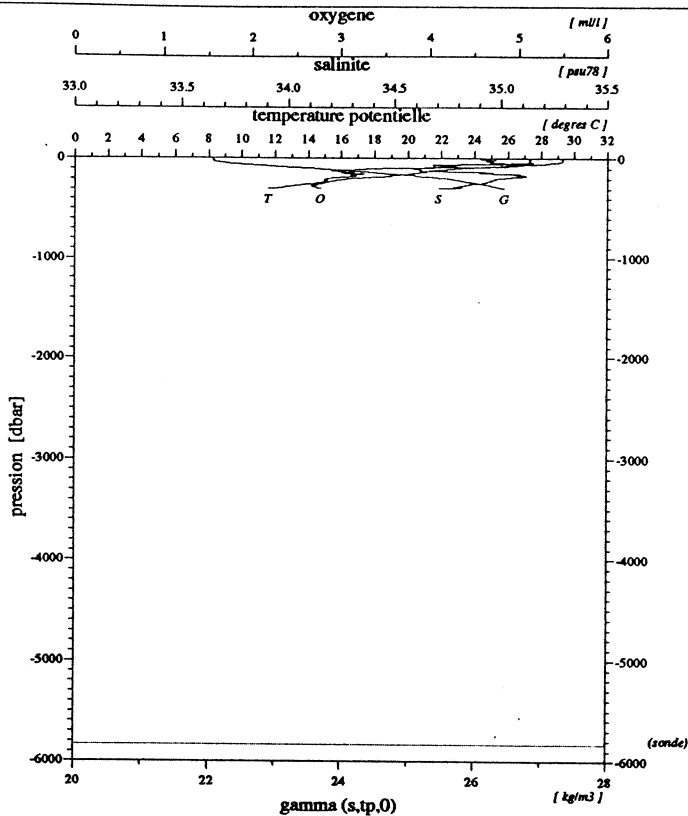


Diagramme salinite / oxygene

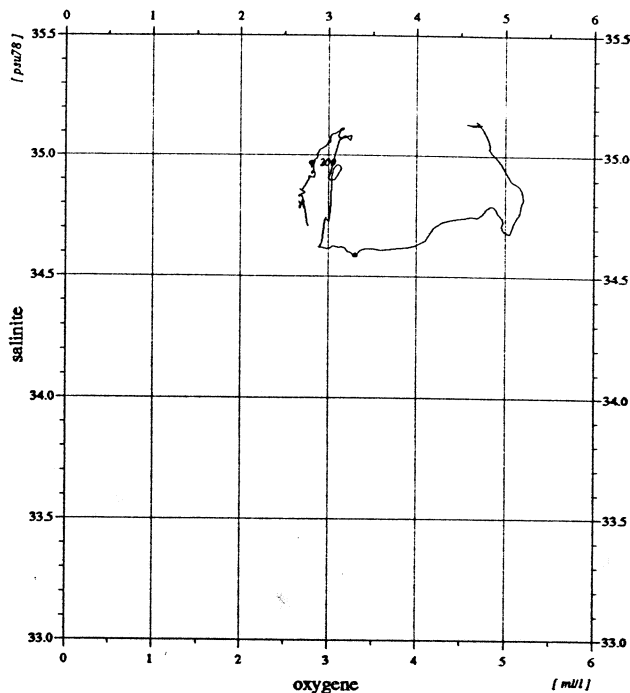


Diagramme temperature potentielle / salinite

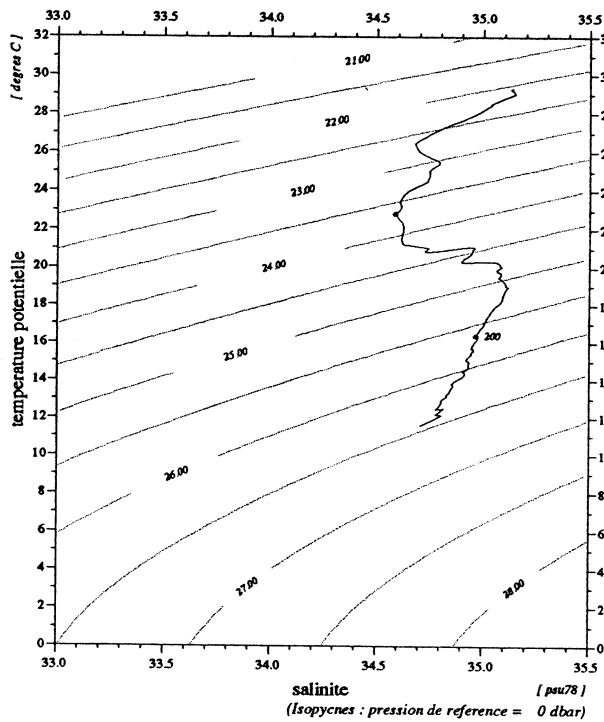
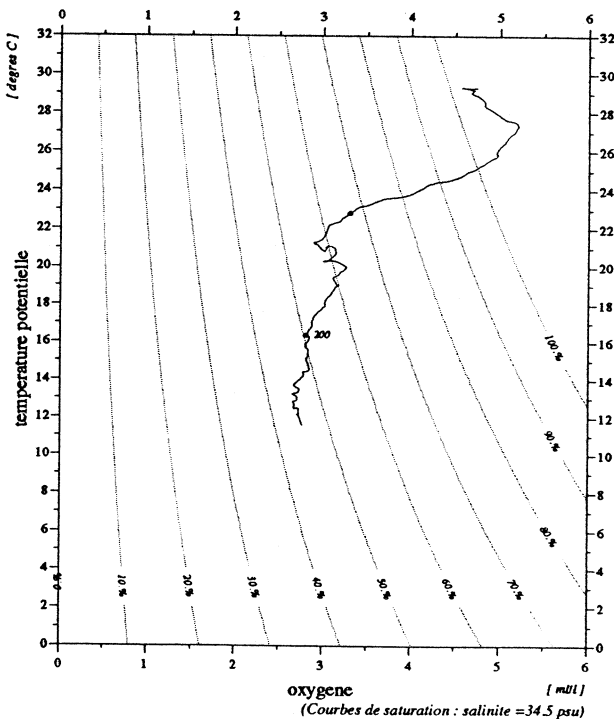


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	297.
temperature	29.283	11.618
theta	29.282	11.580
salinite	35.133	34.707
gamma (s,tp,0)	22.072	26.441
oxygene	4.57	2.77

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 5722 m (5834 dbar)	
23- 2-1992	15.49' 1 S
18.17 tu	117.13' 6 E

MD71/JADE2

Station 11.30

94/01/24  
13:35:55

STATION-1140

1

JADE 92

station : 11.40

donnees reduites a 10 dbar

le 23/ 2/1992 a 20.14 tu -15.4886 117.1392 sonde: 5722 m (5834.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son) (cph)	bva	
6.	6.0	29.236	29.234	34.932	21.937	21.934	38.004	212.2	4.86	109.9	587.7	0.000	1544.0	0.00	
10.	9.9	29.302	29.300	35.091	22.034	22.031	38.095	210.5	4.82	109.2	578.6	0.023	1544.4	12.93	
20.	19.9	29.310	29.305	35.133	22.064	22.060	38.124	212.4	4.86	110.2	576.2	0.081	1544.6	1.64	
30.	29.8	29.254	29.246	35.133	22.084	22.079	38.146	200.6	4.59	104.0	574.9	0.139	1544.7	4.38	
40.	39.8	29.007	28.997	35.143	22.175	22.169	38.248	208.1	4.76	107.5	566.6	0.196	1544.3	3.64	
50.	49.7	28.430	28.418	35.054	22.300	22.294	38.401	218.1	4.99	111.6	555.1	0.252	1543.2	4.18	
60.	59.6	27.415	27.401	34.850	22.479	22.472	38.630	222.9	5.10	112.0	538.4	0.306	1540.9	3.82	
70.	69.6	26.329	26.313	34.684	22.699	22.692	38.905	219.3	5.02	108.2	517.7	0.359	1538.4	8.44	
80.	79.5	25.671	25.653	34.772	22.971	22.963	39.207	217.4	4.98	106.1	492.1	0.410	1537.1	9.06	
90.	89.5	24.705	24.686	34.746	23.246	23.238	39.531	194.6	4.46	93.5	466.2	0.458	1534.9	7.53	
100.	99.4	23.220	23.200	34.611	23.582	23.575	39.948	154.1	3.53	72.1	434.3	0.503	1531.3	11.54	
110.	109.3	22.478	22.455	34.611	23.795	23.787	40.201	140.5	3.22	64.9	414.3	0.545	1529.5	8.65	
120.	119.3	21.364	21.340	34.618	24.112	24.104	40.579	126.5	2.90	57.3	384.4	0.586	1526.8	8.58	
130.	129.2	20.842	20.817	34.768	24.368	24.360	40.862	132.1	3.03	59.3	360.3	0.623	1525.7	7.81	
140.	139.1	20.103	20.077	34.828	24.611	24.603	41.147	129.7	2.97	57.5	337.4	0.657	1523.9	2.77	
150.	149.1	20.041	20.013	35.104	24.839	24.830	41.372	152.2	3.49	67.6	316.1	0.690	1524.2	3.96	
160.	159.0	19.174	19.146	35.107	25.067	25.059	41.652	141.4	3.25	61.8	294.6	0.721	1521.9	9.10	
170.	168.9	19.056	19.025	35.121	25.109	25.099	41.700	141.7	3.25	61.8	291.0	0.750	1521.8	3.87	
180.	178.9	17.889	17.858	35.050	25.346	25.338	42.012	132.8	3.05	56.6	268.5	0.778	1518.5	5.40	
190.	188.8	17.335	17.303	35.025	25.462	25.453	42.164	128.0	2.94	54.0	257.7	0.804	1517.0	5.57	
200.	198.7	16.641	16.609	34.982	25.594	25.586	42.343	126.0	2.89	52.5	245.2	0.829	1515.0	3.39	
220.	218.6	15.535	15.501	34.918	25.798	25.790	42.623	122.9	2.82	50.1	226.1	0.876	1511.9	3.61	
240.	238.4	14.482	14.446	34.912	26.025	26.017	42.923	127.2	2.92	50.8	204.8	0.919	1508.9	4.91	
260.	258.3	13.442	13.406	34.870	26.210	26.202	43.185	122.6	2.82	47.9	187.4	0.959	1505.8	6.40	
280.	278.2	12.769	12.730	34.862	26.341	26.333	43.365	123.5	2.84	47.6	175.3	0.995	1503.9	3.39	
300.	298.0	11.466	11.428	34.746	26.500	26.492	43.627	117.9	2.71	44.2	160.0	1.028	1499.6	3.27	
320.	317.9	11.176	11.136	34.770	26.572	26.564	43.722	127.1	2.92	47.3	153.5	1.059	1499.0	1.24	
340.	337.7	10.818	10.777	34.757	26.627	26.619	43.805	129.5	2.98	47.9	148.6	1.089	1498.0	2.97	
360.	357.6	10.469	10.426	34.743	26.678	26.670	43.885	136.7	3.14	50.2	144.0	1.119	1497.1	4.59	
380.	377.4	9.947	9.903	34.713	26.745	26.737	43.995	142.7	3.28	51.7	137.7	1.147	1495.6	3.61	
400.	397.3	9.600	9.555	34.699	26.793	26.785	44.072	149.4	3.43	53.8	133.3	1.174	1494.6	2.90	
420.	417.1	9.287	9.240	34.677	26.827	26.819	44.134	146.1	3.36	52.2	130.2	1.201	1493.8	2.05	
440.	436.9	9.085	9.036	34.676	26.859	26.851	44.183	154.3	3.55	54.9	127.4	1.226	1493.4	2.31	
460.	456.8	8.925	8.875	34.673	26.882	26.874	44.220	158.0	3.63	56.0	125.5	1.252	1493.1	1.38	
480.	476.6	8.574	8.523	34.652	26.921	26.913	44.289	150.9	3.47	53.1	121.9	1.276	1492.1	2.05	
500.	496.5	8.286	8.234	34.639	26.955	26.947	44.349	140.6	3.23	49.1	118.7	1.300	1491.3	1.64	
550.	546.0	7.718	7.663	34.623	27.028	27.019	44.472	122.4	2.82	42.2	112.2	1.358	1490.0	2.31	
600.	595.6	7.324	7.265	34.617	27.080	27.071	44.560	109.0	2.51	37.3	107.6	1.413	1489.3	1.75	
650.	645.2	6.847	6.785	34.612	27.143	27.134	44.666	98.8	2.27	33.4	101.8	1.465	1488.3	3.03	
700.	694.7	6.459	6.395	34.612	27.195	27.187	44.754	94.1	2.16	31.5	97.1	1.515	1487.6	0.87	
750.	744.2	6.129	6.061	34.613	27.239	27.230	44.829	93.2	2.14	31.0	93.1	1.562	1487.1	1.75	
800.	793.8	5.860	5.789	34.610	27.271	27.262	44.887	93.6	2.15	30.9	90.3	1.608	1486.9	1.64	
850.	843.3	5.642	5.568	34.615	27.303	27.293	44.939	94.0	2.16	30.9	87.7	1.653	1486.8	1.38	
900.	892.8	5.395	5.318	34.616	27.333	27.324	44.994	94.5	2.17	30.9	84.9	1.696	1486.7	0.87	
950.	942.3	5.183	5.102	34.615	27.358	27.349	45.039	95.5	2.20	31.1	82.8	1.738	1486.6	1.38	
1000.	991.7	5.003	4.920	34.611	27.376	27.367	45.075	97.7	2.25	31.6	81.2	1.779	1486.7	0.62	
1100.	1090.6	4.622	4.533	34.613	27.422	27.412	45.158	101.0	2.32	32.4	77.2	1.858	1486.8	1.07	
1200.	1189.5	4.318	4.222	34.619	27.460	27.450	45.227	104.4	2.40	33.2	73.8	1.934	1487.2	1.51	
1300.	1288.3	4.032	3.930	34.630	27.499	27.489	45.295	108.3	2.49	34.3	70.2	2.006	1487.7	1.38	
fin	1317.	1305.1	3.997	3.894	34.633	27.505	27.494	45.304	108.8	2.50	34.4	69.8	2.017	1487.9	0.00

Vitesse verticale moyenne du son entre 6. et 1317. dbar : 1496.8 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

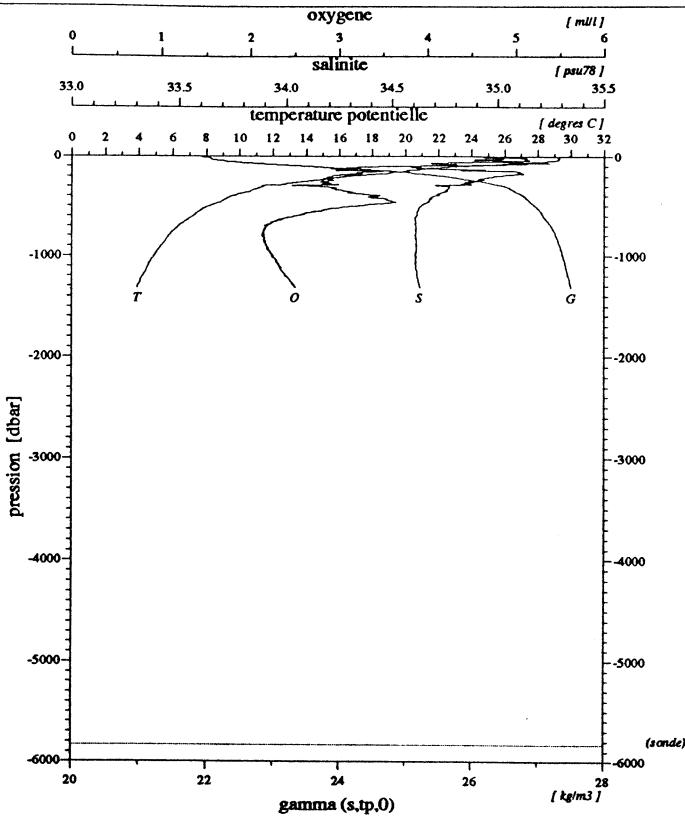


Diagramme salinite / oxygene

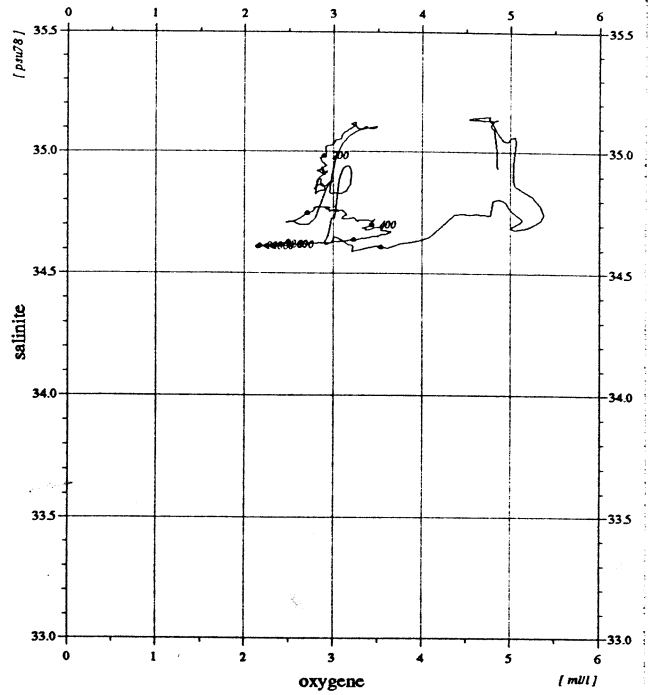


Diagramme temperature potentielle / salinite

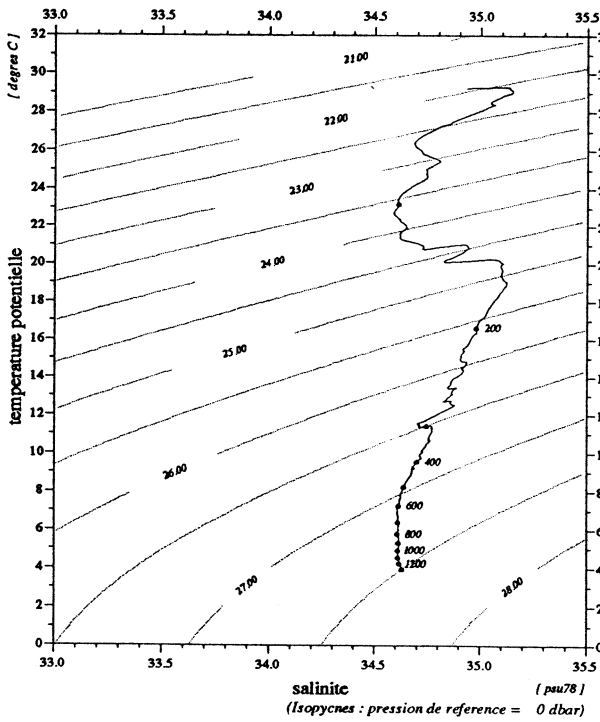
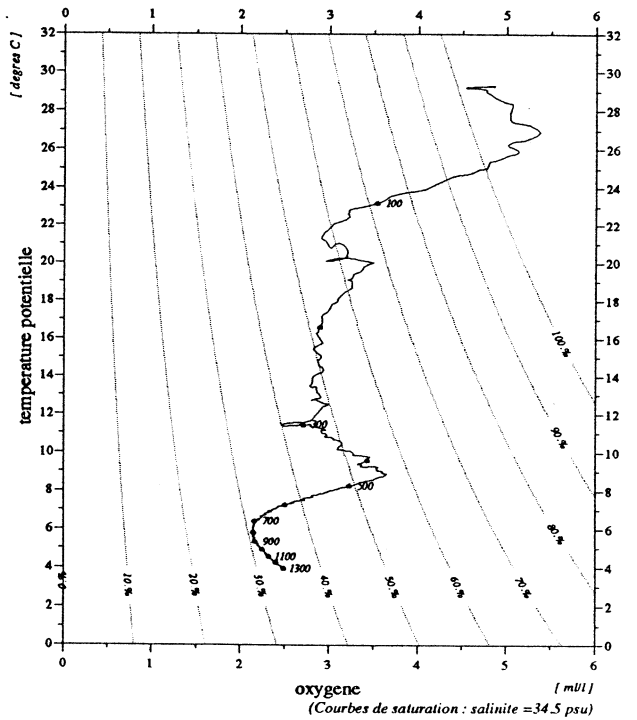


Diagramme temperature potentielle / oxygene



	debut	fin
pression	6.	1317.
temperature	29.236	3.997
theta	29.234	3.894
salinite	34.932	34.633
gamma (s,tp,0)	21.937	27.505
oxygene	4.86	2.50

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 5722 m (5834 dbar)	
23- 2-1992	15.48' 8 S
20.14 tu	117.13' 9 E

MD71/JADE2

Station 11.40





Profils verticaux

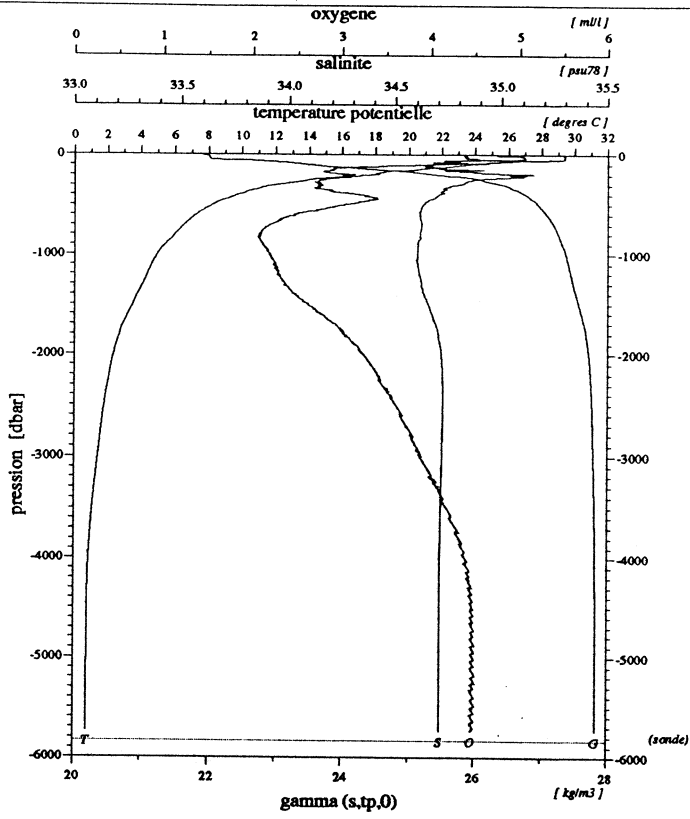


Diagramme salinite / oxygene

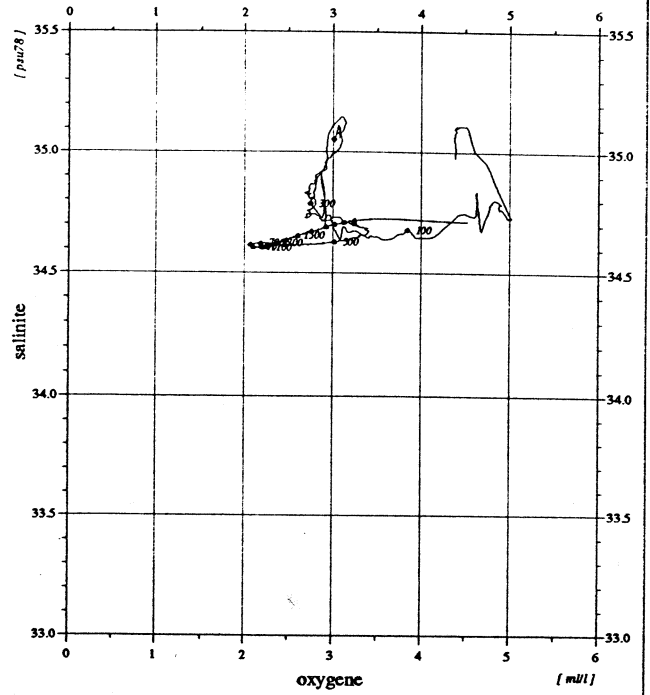


Diagramme temperature potentielle / salinite

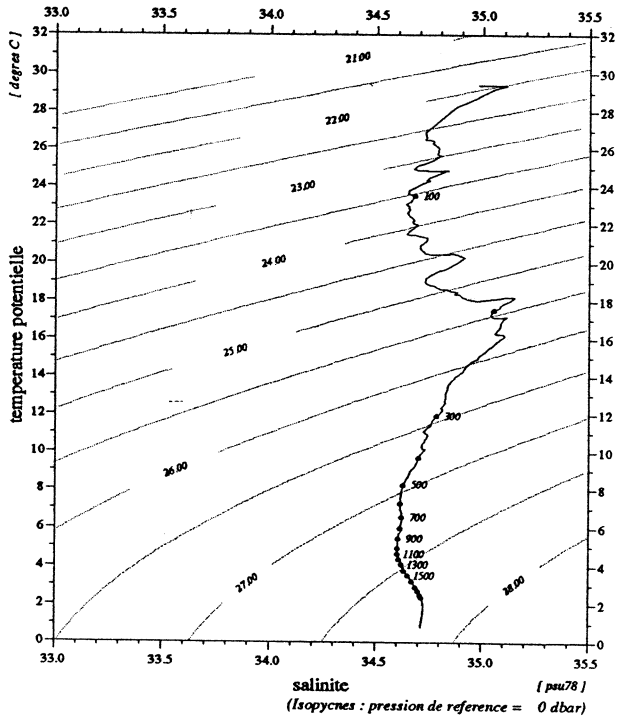
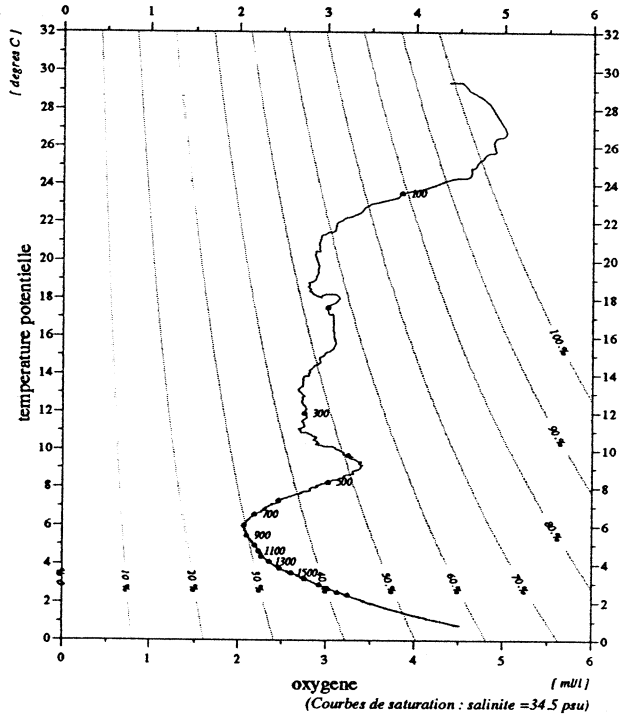


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	5739
temperature	29.371	1.314
theta	29.370	0.793
salinite	34.990	34.712
gamma (s,tp,0)	21.935	27.828
oxygene	4.39	4.47

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 5721 m (5833 dbar)	
24- 2-1992	15.21' 1 S
5.51 tu	117.5' 2 E

MD71/JADE2

Station 12.10

94/01/24  
13:36:02

1

STATION-1220

JADE 92

station : 12.20

donnees reduites a 10 dbar

le 24/ 2/1992 a 2.27 tu -15.2088 117.0502 sonde: 5721 m (5833.dbar)

press.	prof	temp.	teta	salin	gateta	gammatt	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.253	29.252	34.862	21.879	21.876	37.947	187.4	4.29	97.0	593.1	0.000	1543.9	0.00
10.	9.9	29.288	29.286	34.874	21.876	21.873	37.942	187.2	4.28	97.0	593.7	0.047	1544.2	3.54
20.	19.9	29.393	29.388	35.100	22.011	22.007	38.068	198.2	4.53	103.0	581.3	0.106	1544.8	5.77
30.	29.8	29.403	29.395	35.107	22.014	22.009	38.071	200.5	4.59	104.2	581.5	0.164	1545.0	0.88
40.	39.8	29.404	29.394	35.109	22.016	22.010	38.072	199.7	4.57	103.7	581.8	0.223	1545.2	0.62
50.	49.7	29.279	29.267	35.074	22.032	22.026	38.095	203.8	4.66	105.7	580.7	0.281	1545.0	5.39
60.	59.6	26.550	26.537	34.662	22.612	22.606	38.808	220.7	5.05	109.2	525.6	0.336	1538.7	9.83
70.	69.6	25.636	25.621	34.771	22.980	22.973	39.218	218.0	4.99	106.3	490.8	0.387	1536.9	9.51
80.	79.5	24.412	24.395	34.616	23.235	23.228	39.538	202.6	4.64	96.7	466.8	0.435	1533.9	9.37
90.	89.5	23.903	23.884	34.653	23.414	23.407	39.743	182.5	4.18	86.4	450.0	0.481	1532.9	4.66
100.	99.4	23.269	23.248	34.661	23.607	23.599	39.969	165.8	3.80	77.7	432.0	0.525	1531.4	5.38
110.	109.3	22.504	22.482	34.619	23.794	23.787	40.198	146.1	3.35	67.5	414.4	0.568	1529.6	9.23
120.	119.3	21.602	21.579	34.659	24.077	24.069	40.531	134.5	3.08	61.2	387.7	0.608	1527.4	8.61
130.	129.2	21.096	21.071	34.751	24.286	24.278	40.766	129.2	2.96	58.3	368.1	0.646	1526.4	6.56
140.	139.1	20.470	20.444	34.852	24.532	24.524	41.046	127.2	2.92	56.8	345.0	0.681	1524.9	9.87
150.	149.1	19.089	19.062	34.743	24.811	24.802	41.409	123.3	2.83	53.7	318.6	0.715	1521.1	10.76
160.	159.0	18.666	18.637	34.835	24.988	24.980	41.610	121.9	2.80	52.7	302.0	0.745	1520.2	7.86
170.	168.9	18.308	18.278	34.903	25.130	25.121	41.773	124.3	2.85	53.4	288.8	0.775	1519.4	8.76
180.	178.9	18.228	18.197	35.069	25.277	25.269	41.922	130.1	2.99	55.8	275.1	0.803	1519.5	6.55
190.	188.8	17.603	17.571	35.069	25.431	25.422	42.115	131.9	3.03	56.0	260.7	0.830	1517.9	5.74
200.	198.7	17.172	17.139	35.103	25.561	25.552	42.272	131.4	3.02	55.3	248.6	0.855	1516.8	0.00
220.	218.6	15.670	15.636	35.056	25.874	25.865	42.686	133.3	3.06	54.5	219.0	0.902	1512.5	5.43
240.	238.5	14.214	14.179	34.902	26.074	26.066	42.991	122.2	2.81	48.5	200.1	0.943	1508.0	3.45
260.	258.3	13.354	13.317	34.836	26.203	26.195	43.184	117.4	2.70	45.8	188.1	0.982	1505.5	3.16
280.	278.2	12.331	12.294	34.798	26.376	26.368	43.435	118.2	2.72	45.1	171.7	1.018	1502.3	4.75
300.	298.0	11.530	11.491	34.753	26.494	26.486	43.616	117.4	2.70	44.0	160.6	1.051	1499.9	3.03
320.	317.9	11.104	11.065	34.726	26.551	26.543	43.707	116.4	2.67	43.3	155.4	1.083	1498.7	2.70
340.	337.7	10.657	10.616	34.731	26.635	26.627	43.827	123.6	2.84	45.5	147.7	1.113	1497.4	1.75
360.	357.6	10.281	10.238	34.713	26.687	26.679	43.910	128.5	2.95	47.0	142.9	1.142	1496.4	1.07
380.	377.4	9.967	9.922	34.716	26.744	26.735	43.992	139.2	3.20	50.5	137.8	1.170	1495.6	3.50
400.	397.3	9.594	9.548	34.694	26.789	26.781	44.070	143.5	3.30	51.6	133.6	1.197	1494.6	1.86
420.	417.1	9.307	9.260	34.681	26.827	26.819	44.132	148.3	3.41	53.0	130.3	1.223	1493.9	2.70
440.	437.0	8.930	8.882	34.657	26.869	26.861	44.206	144.6	3.32	51.3	126.4	1.249	1492.8	2.05
460.	456.8	8.632	8.583	34.643	26.905	26.897	44.269	142.9	3.29	50.3	123.1	1.274	1492.0	1.96
480.	476.6	8.352	8.301	34.630	26.938	26.930	44.326	133.8	3.08	46.8	120.1	1.298	1491.2	3.33
500.	496.5	8.100	8.048	34.621	26.969	26.961	44.380	127.5	2.93	44.4	117.2	1.322	1490.6	2.77
550.	546.1	7.574	7.519	34.613	27.041	27.033	44.498	113.9	2.62	39.2	110.7	1.379	1489.4	2.23
600.	595.6	7.171	7.113	34.616	27.100	27.092	44.594	106.1	2.44	36.1	105.5	1.433	1488.7	2.14
650.	645.2	6.767	6.705	34.621	27.161	27.152	44.691	97.5	2.24	32.9	100.0	1.485	1488.0	2.05
700.	694.7	6.484	6.419	34.621	27.199	27.191	44.756	93.1	2.14	31.2	96.8	1.534	1487.7	1.52
750.	744.3	6.171	6.103	34.615	27.235	27.227	44.822	89.9	2.07	29.9	93.6	1.581	1487.3	0.87
800.	793.8	5.887	5.816	34.611	27.269	27.260	44.882	89.0	2.05	29.4	90.7	1.627	1487.0	0.87
850.	843.3	5.569	5.495	34.607	27.305	27.296	44.948	90.3	2.08	29.6	87.3	1.672	1486.5	1.24
900.	892.8	5.285	5.209	34.602	27.335	27.326	45.006	92.2	2.12	30.1	84.5	1.715	1486.2	1.64
950.	942.3	5.080	5.000	34.602	27.360	27.350	45.051	93.9	2.16	30.4	82.4	1.756	1486.2	0.87
1000.	991.8	4.927	4.844	34.599	27.376	27.366	45.082	94.1	2.16	30.4	81.1	1.797	1486.4	0.87
1100.	1090.7	4.658	4.568	34.606	27.412	27.401	45.145	96.5	2.22	31.0	78.2	1.877	1486.9	0.00
1200.	1189.5	4.365	4.269	34.616	27.453	27.442	45.215	99.4	2.29	31.7	74.6	1.953	1487.4	1.64
1300.	1288.4	4.068	3.966	34.625	27.492	27.481	45.284	103.1	2.37	32.6	71.1	2.026	1487.9	0.87
1400.	1387.1	3.767	3.659	34.642	27.536	27.526	45.359	109.1	2.51	34.3	66.8	2.095	1488.3	1.51
1500.	1485.9	3.506	3.393	34.661	27.578	27.566	45.426	116.7	2.68	36.4	63.0	2.160	1488.9	0.62
fin	1515.	1500.7	3.456	3.342	34.663	27.584	27.573	45.438	116.6	2.68	62.3	2.170	1488.9	1.38

Vitesse verticale moyenne du son entre 2. et 1515. dbar : 1495.6 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

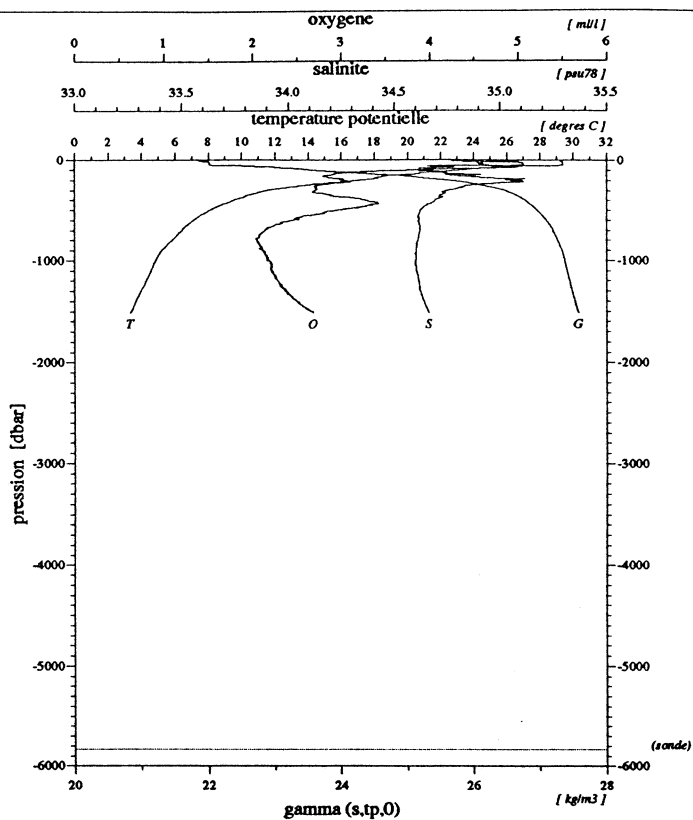


Diagramme salinite / oxygene

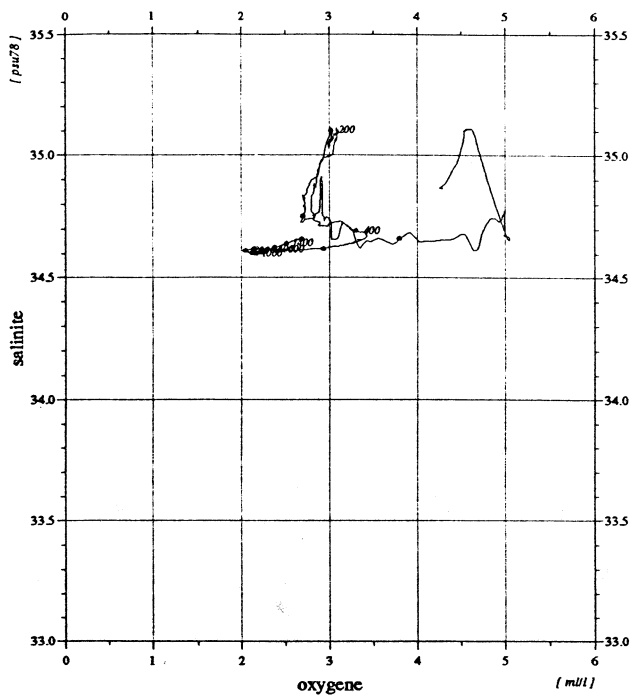


Diagramme temperature potentielle / salinite

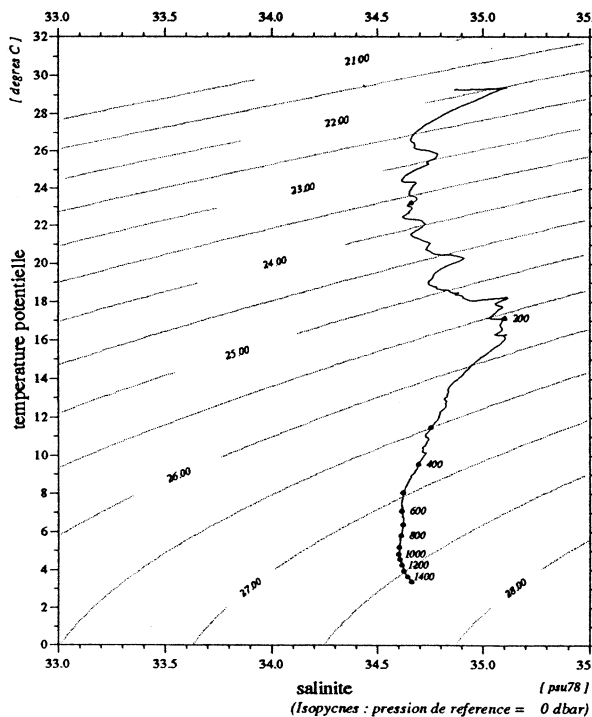
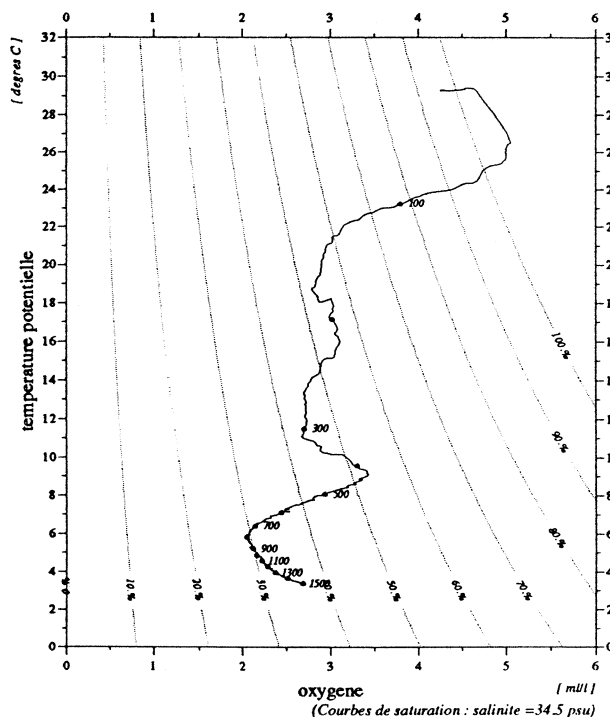


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1515
temperature	29.253	3.456
theta	29.252	3.342
salinite	34.862	34.663
gamma (s,tp,0)	21.879	27.584
oxygene	4.29	2.68

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 5721 m (5833 dbar)	
24-2-1992	15.20' 8 S
2.27 tu	117.5' 0 E

MD71/JADE2

Station 12.20

94/01/24  
13:35:56

STATION-1230

1

JADE 92

station : 12.30

donnees reduites a 10 dbar

le 24/ 2/1992 a 0.13 tu -15.2095 117.0508 sonde: 5721 m (5833.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	29.337	29.336	35.045	21.988	21.985	38.048	186.3	4.26	96.7	582.7	0.000	1544.3	0.00
11.	10.9	29.337	29.335	35.030	21.977	21.974	38.038	188.7	4.32	97.9	584.1	0.047	1544.4	0.69
20.	19.9	29.399	29.394	35.108	22.015	22.011	38.072	195.4	4.47	101.5	580.9	0.099	1544.8	1.64
30.	29.8	29.395	29.388	35.111	22.019	22.014	38.076	190.7	4.36	99.1	581.0	0.157	1545.0	0.62
40.	39.8	28.605	28.595	34.938	22.154	22.149	38.249	195.6	4.48	100.2	568.6	0.215	1543.3	12.24
50.	49.7	26.150	26.139	34.635	22.717	22.711	38.932	210.1	4.81	103.3	515.1	0.269	1537.6	14.24
60.	59.6	25.412	25.399	34.730	23.017	23.012	39.267	209.5	4.80	101.8	486.7	0.319	1536.1	6.49
70.	69.6	24.317	24.302	34.673	23.306	23.300	39.612	193.3	4.43	92.2	459.5	0.366	1533.6	11.06
80.	79.5	23.830	23.813	34.655	23.437	23.430	39.769	178.2	4.08	84.3	447.4	0.411	1532.5	6.47
90.	89.5	23.220	23.202	34.647	23.609	23.602	39.974	161.2	3.69	75.4	431.3	0.455	1531.1	6.54
100.	99.4	22.708	22.688	34.642	23.753	23.746	40.146	146.9	3.37	68.1	418.0	0.497	1530.0	5.58
110.	109.3	22.280	22.258	34.718	23.933	23.925	40.347	136.3	3.13	62.8	401.2	0.538	1529.1	7.14
120.	119.3	21.524	21.501	34.655	24.095	24.088	40.553	130.3	2.99	59.2	386.0	0.578	1527.2	8.29
130.	129.2	20.963	20.938	34.738	24.313	24.305	40.800	122.6	2.81	55.2	365.6	0.615	1526.0	7.48
140.	139.1	20.460	20.433	34.811	24.504	24.496	41.019	122.7	2.81	54.7	347.7	0.651	1524.9	8.10
150.	149.1	20.008	19.980	34.872	24.671	24.662	41.211	122.9	2.82	54.4	332.1	0.685	1523.9	7.43
160.	159.0	18.844	18.815	34.760	24.886	24.877	41.499	120.1	2.76	52.0	311.7	0.717	1520.6	5.71
170.	168.9	18.466	18.436	34.843	25.045	25.036	41.679	122.1	2.80	52.6	296.9	0.747	1519.8	6.67
180.	178.9	18.087	18.056	34.969	25.236	25.227	41.891	125.7	2.88	53.8	279.0	0.776	1519.0	8.02
190.	188.8	17.907	17.874	35.141	25.412	25.403	42.075	133.9	3.07	57.1	262.6	0.803	1518.8	6.19
200.	198.7	17.009	16.976	35.109	25.604	25.595	42.326	134.0	3.08	56.2	244.4	0.829	1516.3	8.84
220.	218.6	14.986	14.953	34.972	25.962	25.954	42.823	128.3	2.95	51.7	210.4	0.874	1510.2	5.47
240.	238.5	13.449	13.415	34.833	26.180	26.173	43.155	118.1	2.71	46.1	189.7	0.913	1505.4	4.59
260.	258.3	12.652	12.616	34.825	26.334	26.326	43.368	119.4	2.74	45.9	175.3	0.950	1503.1	5.39
280.	278.2	11.777	11.741	34.774	26.463	26.456	43.566	119.6	2.75	45.1	163.1	0.984	1500.4	2.63
300.	298.0	11.118	11.081	34.728	26.550	26.542	43.705	120.1	2.76	44.7	155.1	1.015	1498.4	2.90
fin	301.	299.0	11.108	11.070	34.728	26.551	26.544	43.707	121.4	2.79	154.9	1.017	1498.4	2.31

Vitesse verticale mbyenne du son entre 3. et 301. dbar : 1522.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

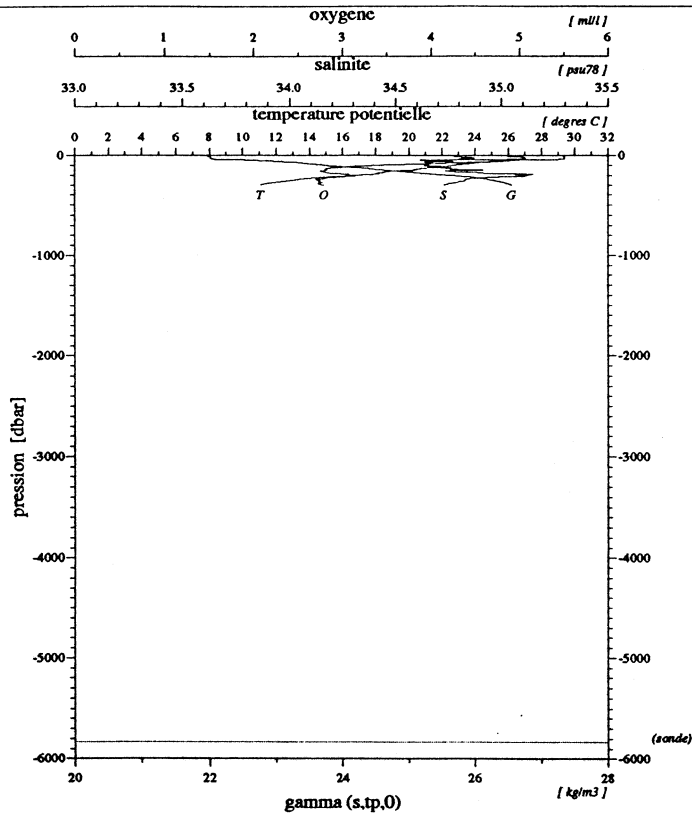


Diagramme salinite / oxygene

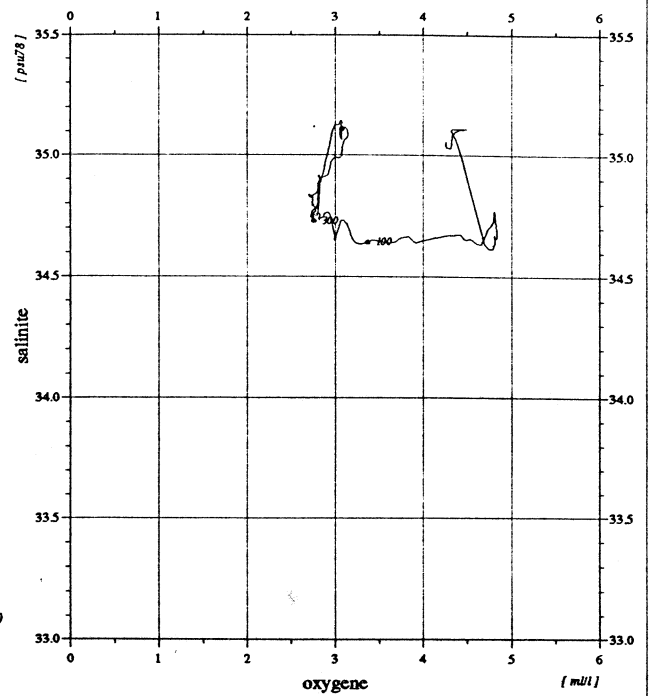


Diagramme temperature potentielle / salinite

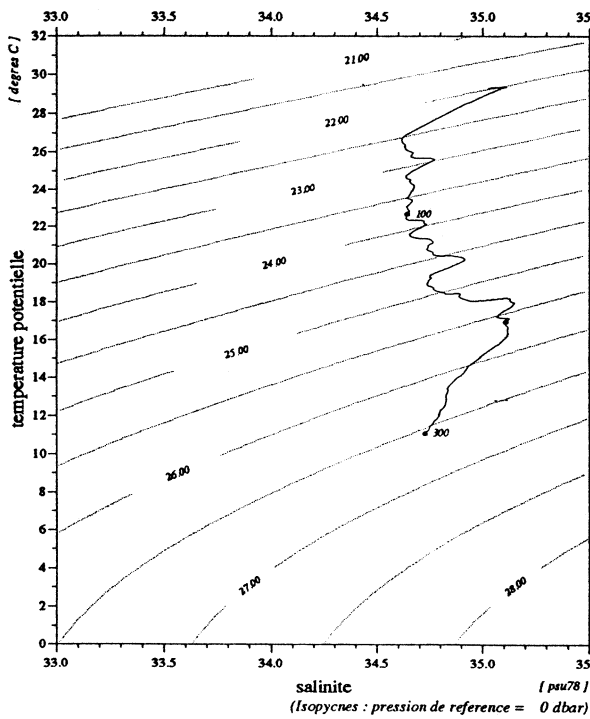
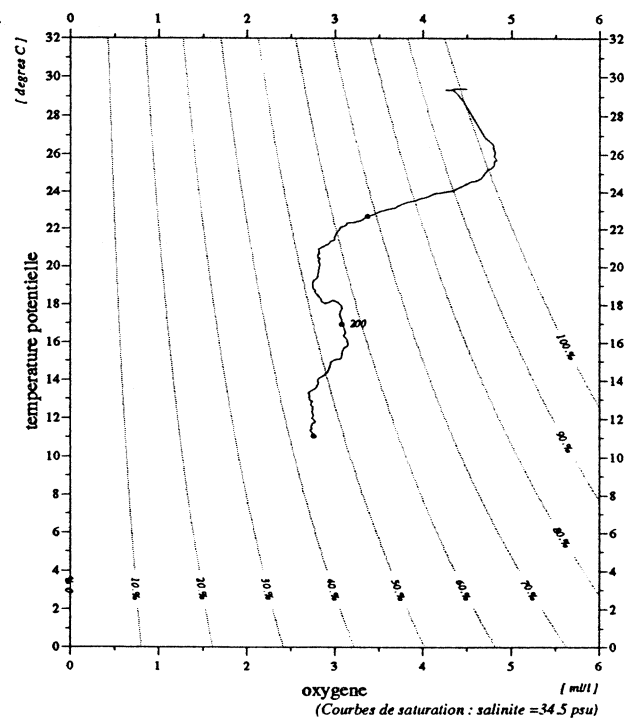


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	301.
temperature	29.337	11.108
theta	29.336	11.070
salinite	35.045	34.728
gamma (s,tp,0)	21.988	26.551
oxygene	4.26	2.79

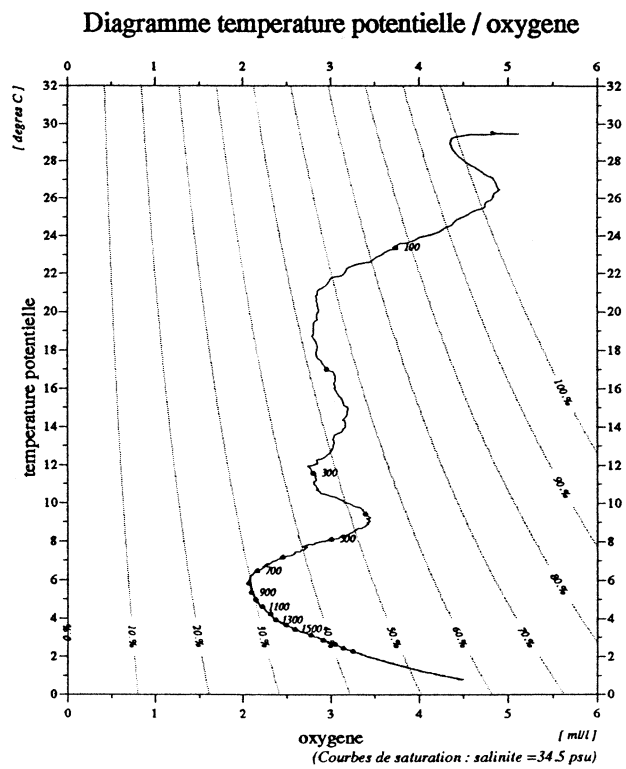
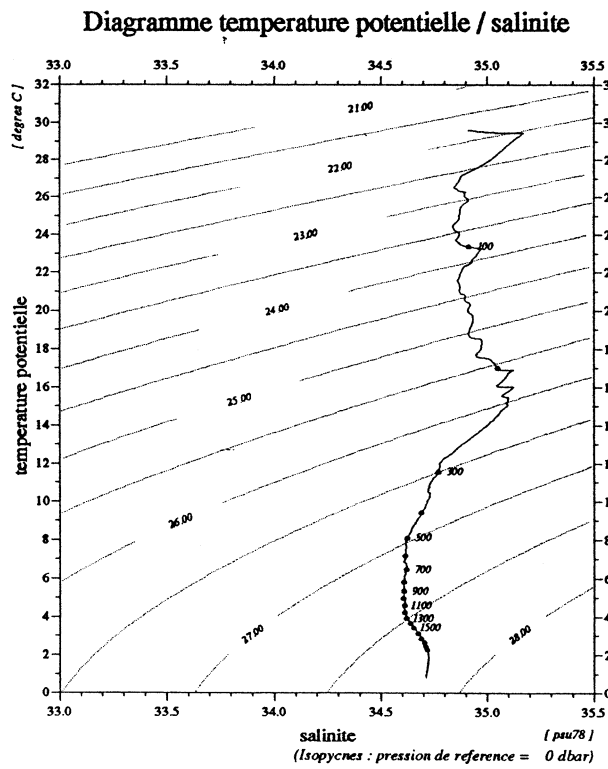
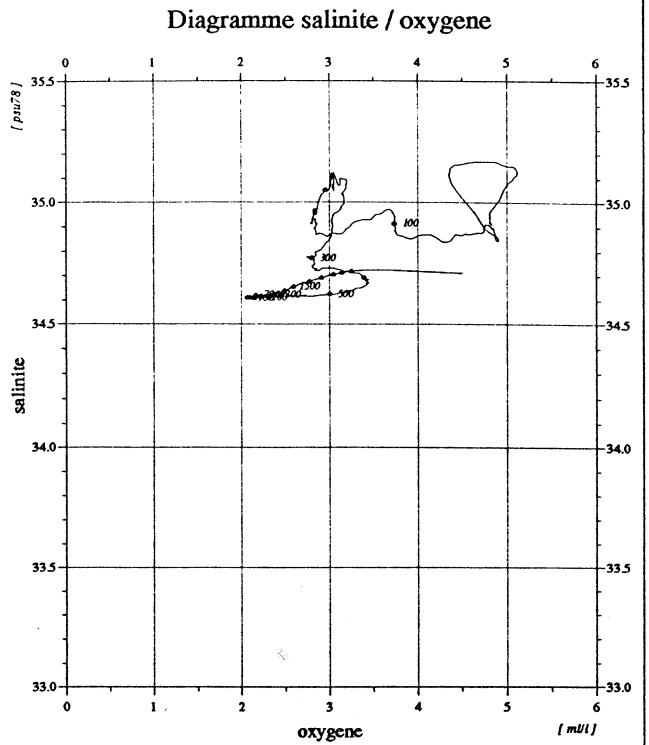
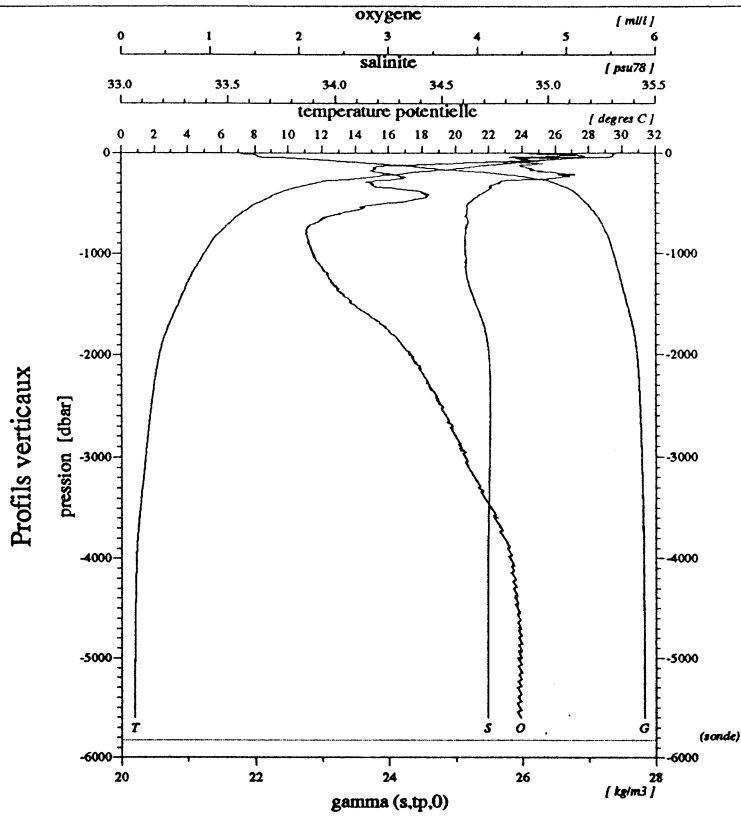
Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 13/1/94

sonde 5721 m ( 5833 dbar)	
24- 2-1992	15.20' 9 S
0.13 tu	117.5' 0 E

MD71/JADE2

Station 12.30





	debut	fin
pression	2	5603
temperature	29.611	1.297
theta	29.611	0.795
salinite	34.912	34.713
gamma (s,tp,0)	21.795	27.828
oxygene	4.83	4.47

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 5717 m (5829 dbar)	
24-2-1992	14.53' 2 S
14.04 tu	116.57' 6 E

MD71/JADE2

Station 13.10

94/01/24  
13:36:57

STATION-1320

1

JADE 92

station : 13.20

donnees reduites a 10 dbar

le 24/ 2/1992 a 18.11 tu -14.5350 116.5752 sonde: 5717 m (5829.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son) (cph)	bva
2.	2.0	29.323	29.323	34.955	21.924	21.921	37.987	195.9	4.48	101.6	588.8	0.000	1544.2	0.00
10.	9.9	29.426	29.424	35.098	21.998	21.995	38.054	197.5	4.52	102.7	582.1	0.047	1544.7	7.87
20.	19.9	29.456	29.452	35.166	22.039	22.035	38.092	199.6	4.57	103.9	578.6	0.105	1545.0	2.32
30.	29.8	29.431	29.424	35.169	22.051	22.046	38.105	199.4	4.56	103.7	578.0	0.163	1545.1	2.56
40.	39.8	27.764	27.755	34.945	22.435	22.430	38.568	216.1	4.95	109.3	541.6	0.219	1541.4	15.51
50.	49.7	26.970	26.959	34.914	22.668	22.662	38.838	224.0	5.13	111.8	519.8	0.273	1539.8	10.19
60.	59.6	25.920	25.907	34.906	22.993	22.987	39.214	221.6	5.07	108.7	489.1	0.323	1537.5	12.84
70.	69.6	25.106	25.091	34.870	23.217	23.211	39.479	210.2	4.82	101.7	468.1	0.371	1535.7	3.04
80.	79.5	24.158	24.141	34.849	23.487	23.480	39.798	189.6	4.35	90.3	442.7	0.417	1533.5	9.43
90.	89.5	23.485	23.466	34.903	23.727	23.720	40.072	170.5	3.91	80.3	420.1	0.460	1532.1	9.06
100.	99.4	22.710	22.690	34.925	23.967	23.960	40.353	157.7	3.62	73.3	397.6	0.501	1530.3	13.69
110.	109.3	21.443	21.421	34.882	24.290	24.283	40.747	135.8	3.12	61.7	367.0	0.539	1527.1	8.93
120.	119.3	20.717	20.694	34.882	24.488	24.481	40.987	130.9	3.00	58.7	348.4	0.575	1525.3	7.33
130.	129.2	19.928	19.904	34.925	24.731	24.723	41.275	129.2	2.96	57.2	325.6	0.608	1523.4	6.95
141.	140.1	18.803	18.779	34.913	25.012	25.005	41.624	125.5	2.88	54.4	299.0	0.643	1520.4	10.27
150.	149.1	18.105	18.080	34.903	25.179	25.172	41.835	123.1	2.83	52.7	283.3	0.669	1518.5	6.55
160.	159.0	17.286	17.260	34.909	25.384	25.376	42.092	120.4	2.76	50.7	264.0	0.697	1516.2	4.83
170.	168.9	16.827	16.799	35.047	25.599	25.591	42.333	129.8	2.98	54.2	243.8	0.722	1515.2	4.83
180.	178.9	16.347	16.318	35.067	25.727	25.719	42.493	132.6	3.05	54.9	231.9	0.745	1513.9	3.22
190.	188.8	16.045	16.015	35.079	25.806	25.798	42.592	132.8	3.05	54.7	224.6	0.768	1513.2	7.97
200.	198.7	15.527	15.496	35.112	25.949	25.941	42.769	137.3	3.15	56.0	211.2	0.790	1511.8	3.61
220.	218.6	14.785	14.752	35.067	26.079	26.071	42.951	139.2	3.20	55.9	199.3	0.831	1509.7	4.59
240.	238.5	13.823	13.788	34.974	26.212	26.204	43.156	135.1	3.11	53.2	186.9	0.870	1506.8	5.25
260.	258.3	12.350	12.316	34.813	26.383	26.376	43.441	124.6	2.86	47.6	170.4	0.905	1502.1	2.70
280.	278.2	11.848	11.812	34.769	26.446	26.439	43.543	118.2	2.72	44.7	164.8	0.939	1500.7	4.10
300.	298.0	11.295	11.257	34.749	26.534	26.526	43.674	120.3	2.76	44.9	156.7	0.971	1499.0	3.96
320.	317.9	10.842	10.802	34.734	26.604	26.597	43.781	121.8	2.80	45.0	150.2	1.001	1497.8	2.31
340.	337.7	10.434	10.393	34.732	26.675	26.668	43.885	128.9	2.96	47.3	143.7	1.031	1496.7	3.91
360.	357.6	10.092	10.050	34.721	26.726	26.718	43.964	134.5	3.09	48.9	139.2	1.059	1495.8	2.97
380.	377.4	9.714	9.670	34.706	26.778	26.771	44.048	143.0	3.29	51.6	134.3	1.086	1494.7	2.40
400.	397.3	9.293	9.248	34.682	26.829	26.822	44.135	146.3	3.36	52.3	129.6	1.113	1493.5	3.50
420.	417.1	8.942	8.897	34.661	26.870	26.862	44.206	145.6	3.35	51.6	125.9	1.138	1492.5	3.55
440.	437.0	8.653	8.606	34.645	26.903	26.895	44.264	141.6	3.26	49.9	122.9	1.163	1491.7	2.83
460.	456.8	8.353	8.304	34.633	26.940	26.932	44.328	134.4	3.09	47.0	119.5	1.187	1490.9	1.38
480.	476.6	8.164	8.115	34.626	26.963	26.955	44.368	126.9	2.92	44.2	117.5	1.211	1490.5	0.62
500.	496.5	7.922	7.871	34.616	26.992	26.984	44.418	119.5	2.75	41.4	114.9	1.234	1489.9	2.40
550.	546.1	7.471	7.417	34.615	27.057	27.049	44.524	112.0	2.58	38.4	109.1	1.290	1489.0	2.23
600.	595.6	7.044	6.987	34.612	27.116	27.107	44.621	101.7	2.34	34.5	103.9	1.344	1488.2	2.55
650.	645.2	6.760	6.698	34.619	27.160	27.151	44.691	96.4	2.22	32.5	100.1	1.395	1487.9	1.52
700.	694.7	6.408	6.344	34.615	27.204	27.196	44.768	92.6	2.13	31.0	96.1	1.444	1487.4	0.87
750.	744.3	6.103	6.035	34.608	27.239	27.230	44.832	91.2	2.10	30.3	93.1	1.491	1487.0	0.87
800.	793.8	5.851	5.780	34.609	27.272	27.263	44.888	90.8	2.09	30.0	90.3	1.537	1486.8	0.87
850.	843.3	5.630	5.556	34.608	27.298	27.289	44.936	91.4	2.10	30.0	88.0	1.582	1486.8	2.47
900.	892.8	5.427	5.350	34.610	27.325	27.315	44.982	92.6	2.13	30.3	85.8	1.625	1486.8	0.00
950.	942.3	5.238	5.157	34.609	27.347	27.338	45.023	93.6	2.15	30.5	83.9	1.668	1486.8	0.87
1000.	991.8	5.013	4.930	34.608	27.372	27.363	45.070	94.9	2.18	30.7	81.6	1.709	1486.7	2.05
1100.	1090.7	4.622	4.532	34.609	27.418	27.408	45.155	98.3	2.26	31.5	77.5	1.788	1486.8	1.51
1200.	1189.6	4.296	4.200	34.613	27.457	27.447	45.226	101.6	2.34	32.3	74.0	1.864	1487.1	0.87
1300.	1288.4	4.022	3.921	34.624	27.495	27.484	45.292	105.7	2.43	33.4	70.6	1.937	1487.7	0.87
1400.	1387.2	3.763	3.655	34.640	27.535	27.524	45.358	109.2	2.51	34.3	67.0	2.006	1488.3	0.62
1500.	1485.9	3.520	3.406	34.658	27.574	27.563	45.422	115.5	2.66	36.1	63.4	2.071	1488.9	1.07
fin	1519.	1504.6	3.455	3.340	34.662	27.583	27.572	45.438	116.4	2.68	62.4	2.083	1489.0	0.00

Vitesse verticale moyenne du son entre 2. et 1519. dbar : 1495.0 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

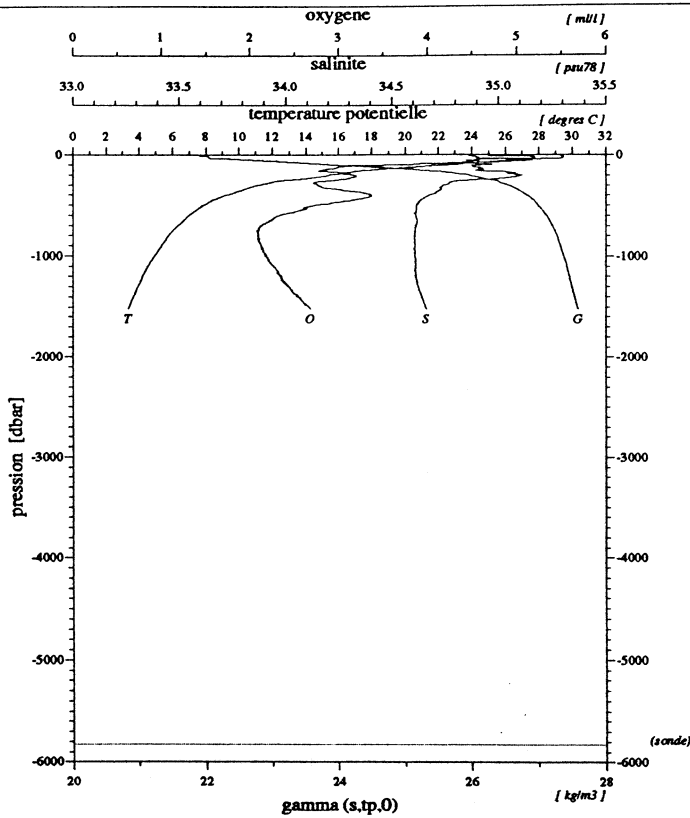


Diagramme salinite / oxygene

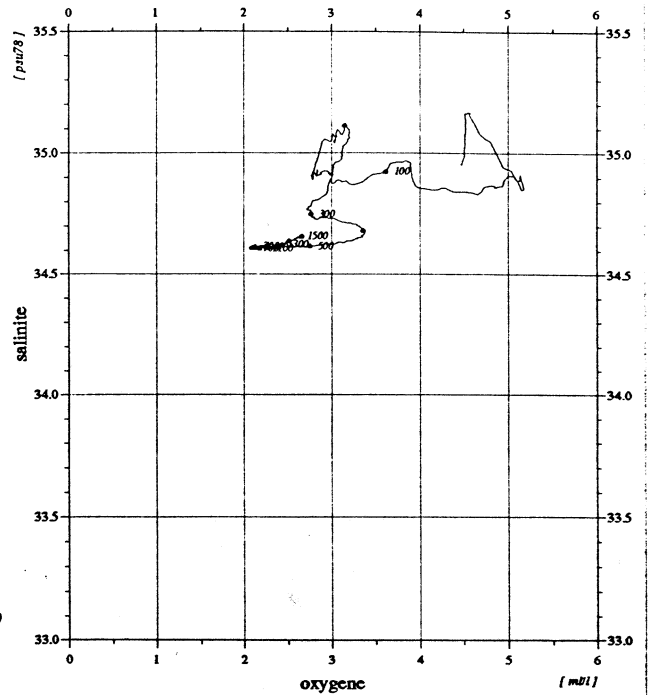


Diagramme temperature potentielle / salinite

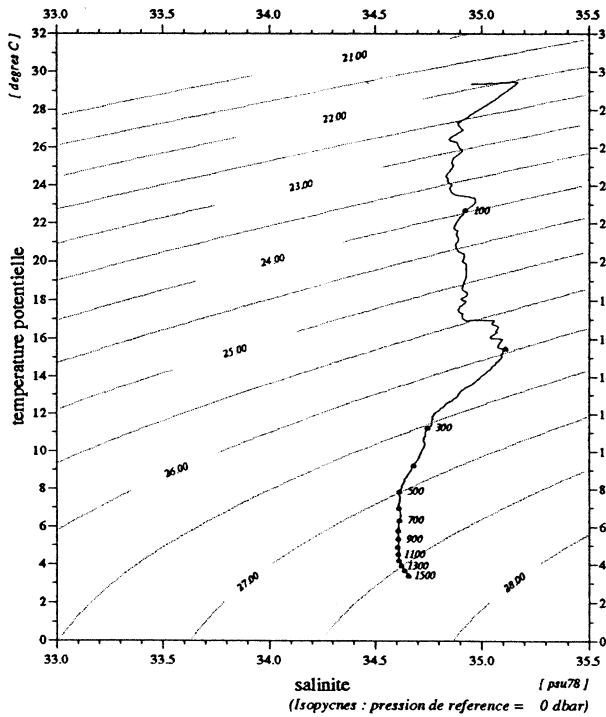
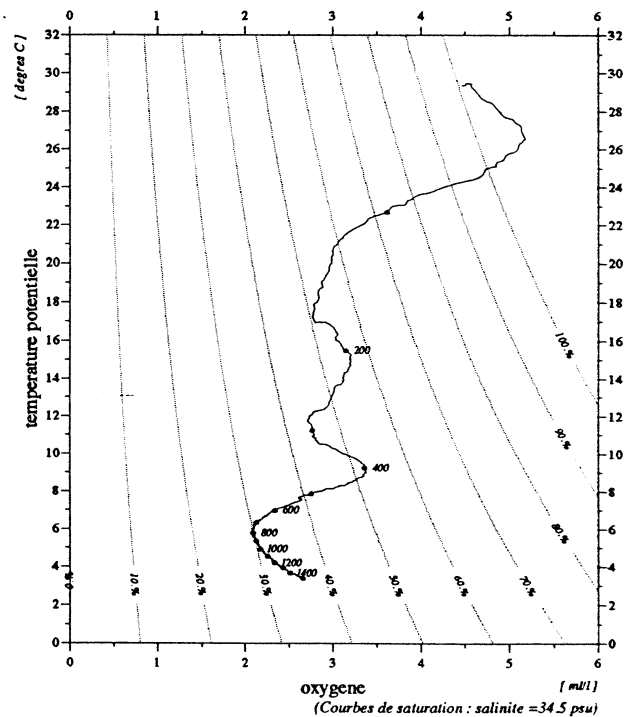


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1519.
temperature	29.323	3.455
theta	29.323	3.340
salinite	34.955	34.662
gamma (s,tp,0)	21.924	27.583
oxygene	4.48	2.68

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5717 m ( 5829 dbar)	
24- 2-1992	14.53' 5 S
18.11 tu	116.57' 5 E

MD71/JADE2

Station 13.20

94/01/24  
13:36:59

STATION-1330

1

JADE 92

station : 13.30

donnees reduites a 10 dbar

le 24/ 2/1992 a 20.15 tu -14.5325 116.5696 sonde: 5717 m (5829.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.371	29.370	35.021	21.958	21.955	38.017	189.7	4.34	98.5	585.5	0.000	1544.3	0.00
10.	9.9	29.402	29.400	35.029	21.954	21.951	38.012	192.9	4.41	100.2	586.3	0.047	1544.6	1.75
20.	19.9	29.450	29.445	35.160	22.037	22.033	38.090	199.9	4.57	104.0	578.8	0.105	1545.0	3.04
30.	29.8	29.373	29.365	35.164	22.067	22.062	38.124	197.2	4.51	102.5	576.4	0.163	1545.0	5.41
40.	39.8	27.662	27.652	34.948	22.471	22.466	38.609	214.8	4.92	108.5	538.2	0.218	1541.2	7.14
50.	49.7	26.453	26.442	34.845	22.780	22.775	38.976	218.1	4.99	107.9	509.0	0.271	1538.5	9.47
60.	59.6	25.330	25.317	34.850	23.133	23.127	39.384	208.2	4.77	101.1	475.7	0.320	1536.0	12.90
70.	69.6	24.698	24.683	34.850	23.326	23.319	39.608	196.7	4.51	94.5	457.7	0.367	1534.7	10.17
80.	79.5	23.767	23.750	34.847	23.601	23.594	39.932	173.3	3.97	82.0	431.8	0.411	1532.6	9.62
90.	89.5	23.432	23.413	34.955	23.781	23.774	40.127	165.8	3.80	78.0	415.0	0.454	1532.0	8.81
100.	99.4	22.558	22.538	34.906	23.996	23.989	40.391	148.0	3.39	68.6	394.8	0.494	1529.9	9.97
110.	109.3	21.472	21.451	34.886	24.285	24.278	40.740	133.0	3.05	60.5	367.5	0.532	1527.2	6.10
120.	119.3	20.821	20.798	34.879	24.458	24.451	40.951	126.4	2.90	56.8	351.3	0.568	1525.6	10.33
130.	129.2	19.987	19.963	34.912	24.706	24.698	41.246	126.2	2.89	55.9	328.0	0.602	1523.5	7.51
140.	139.1	19.077	19.052	34.912	24.942	24.935	41.537	124.1	2.85	54.1	305.7	0.634	1521.1	9.37
150.	149.1	18.310	18.284	34.889	25.118	25.110	41.761	120.7	2.77	51.8	289.2	0.664	1519.1	5.25
160.	159.0	17.836	17.809	34.896	25.240	25.233	41.914	118.3	2.71	50.3	277.8	0.692	1517.9	5.57
170.	168.9	16.887	16.859	34.916	25.484	25.476	42.218	118.9	2.73	49.7	254.8	0.719	1515.2	6.34
180.	178.9	16.796	16.766	35.077	25.630	25.622	42.366	129.7	2.98	54.2	241.2	0.744	1515.3	8.37
190.	188.8	16.183	16.153	35.054	25.755	25.747	42.532	130.5	3.00	53.9	229.5	0.767	1513.6	5.18
200.	198.7	15.447	15.416	35.076	25.939	25.932	42.766	135.9	3.12	55.3	212.1	0.789	1511.5	5.25
220.	218.6	14.495	14.463	35.044	26.124	26.116	43.018	137.7	3.16	55.0	194.9	0.830	1508.8	6.03
240.	238.5	12.929	12.896	34.875	26.318	26.311	43.330	129.5	2.98	50.1	176.4	0.867	1503.8	6.86
260.	258.3	11.978	11.944	34.777	26.427	26.420	43.514	120.2	2.76	45.5	166.1	0.901	1500.8	3.66
280.	278.2	11.210	11.175	34.749	26.549	26.542	43.696	122.2	2.81	45.5	154.7	0.933	1498.4	4.79
300.	298.0	10.672	10.635	34.730	26.631	26.624	43.822	124.5	2.86	45.9	147.1	0.963	1496.8	2.23
fin	306.	304.0	10.571	10.534	34.730	26.649	26.642	43.848	127.7	2.94	145.4	0.972	1496.6	4.01

Vitesse verticale moyenne du son entre 2. et 306. dbar : 1520.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

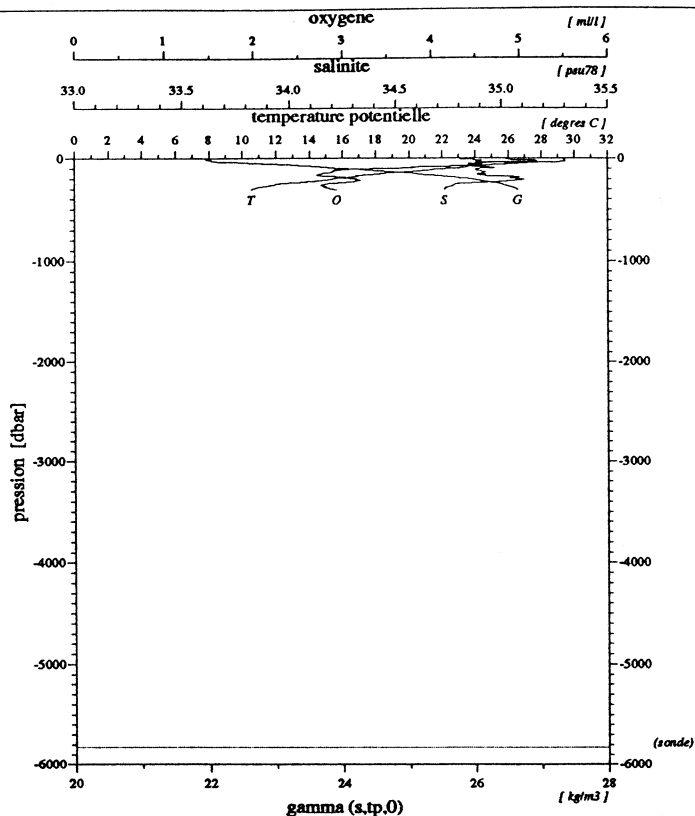


Diagramme salinite / oxygene

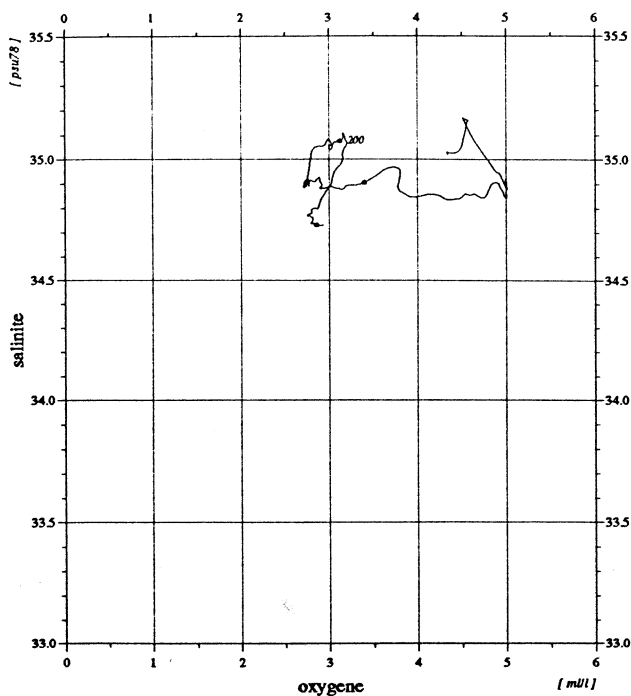


Diagramme temperature potentielle / salinite

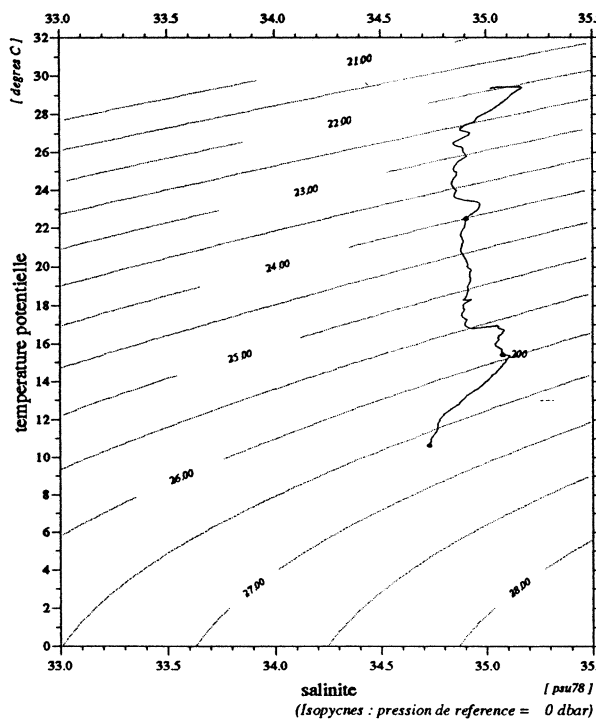
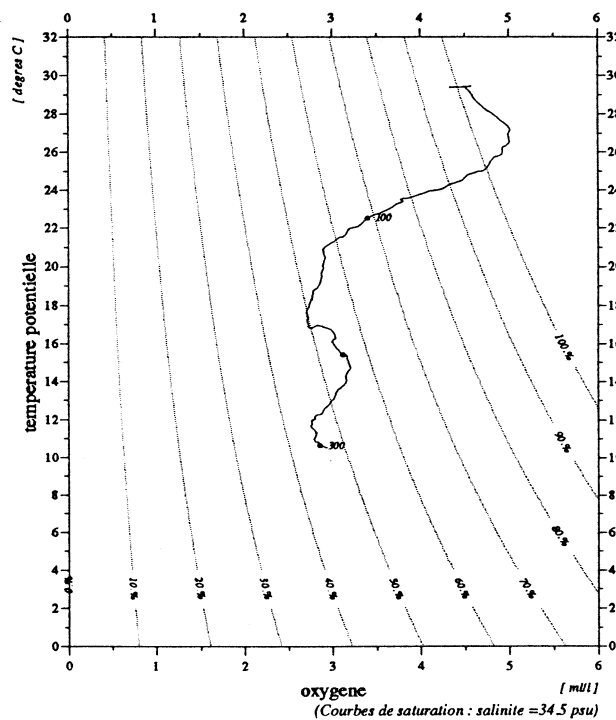


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	306.
temperature	29.371	10.571
theta	29.370	10.534
salinite	35.021	34.730
gamma (s,tp,0)	21.958	26.649
oxygene	4.34	2.94

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 5717 m (5829 dbar)	
24- 2-1992	14.53' 2 S
20.15 tu	116.56' 9 E

MD71/JADE2

Station 13.30



Profils verticaux

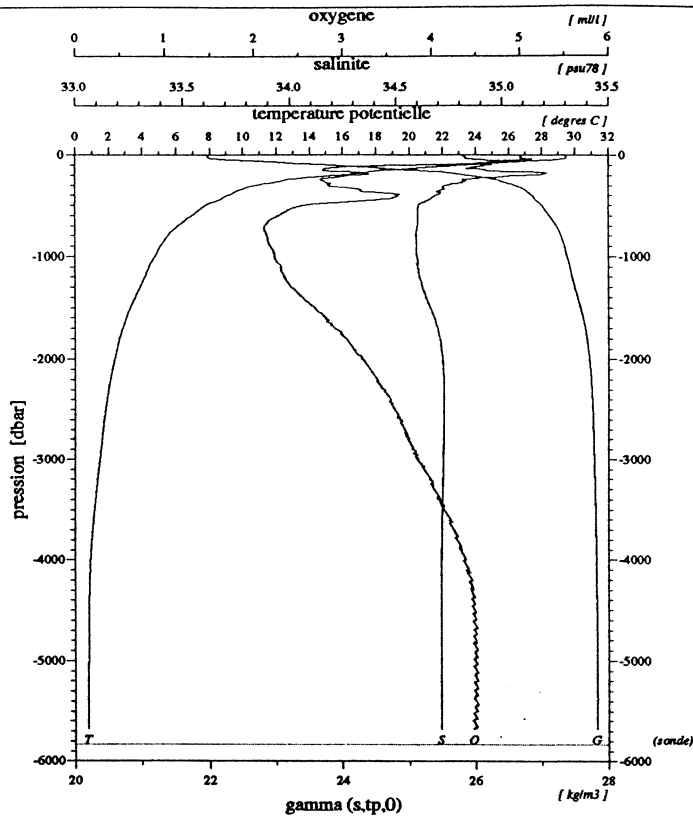


Diagramme salinite / oxygene

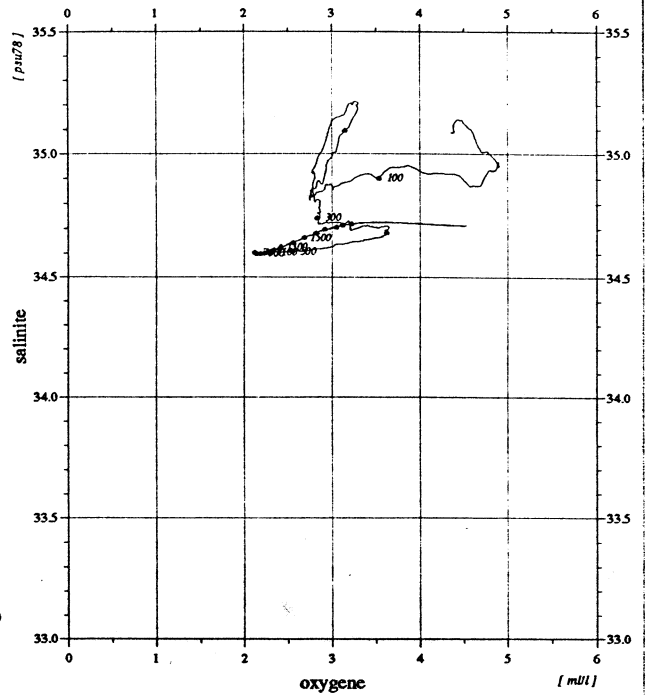


Diagramme temperature potentielle / salinite

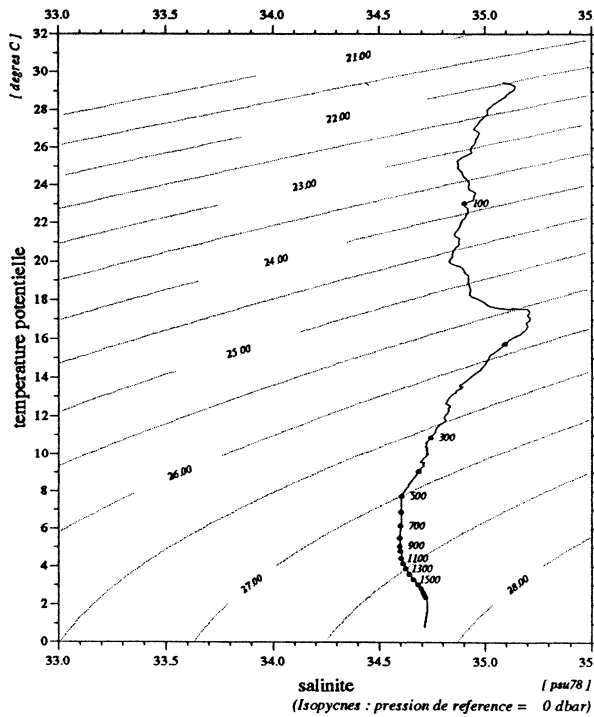
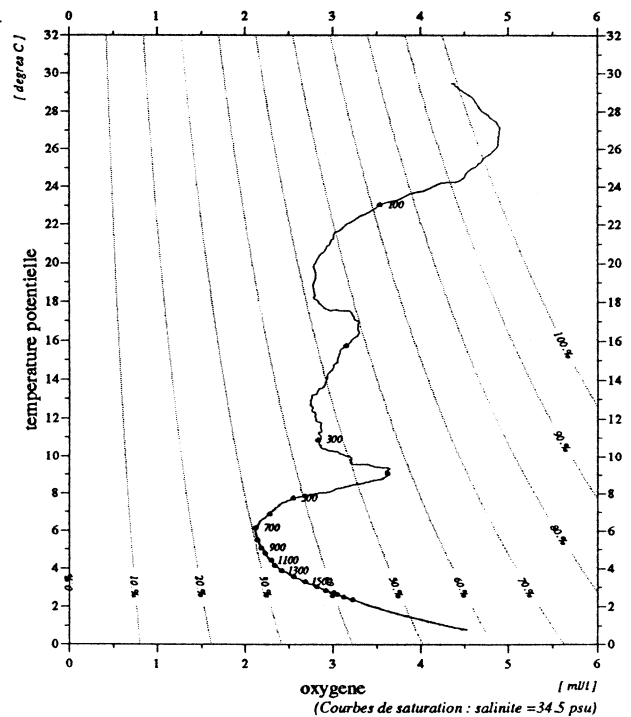


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	5683
temperature	29.478	1.307
theta	29.478	0.794
salinite	35.090	34.713
gamma (s, tp, 0)	21.973	27.828
oxygene	4.36	4.48

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5718 m (5829 dbar)	
25- 2-1992	14.23' 7 S
1.20 tu	116.48' 1 E

MD71/JADE2

Station 14.10

94/01/24  
13:37:25

STATION-1420

1

JADE 92

station : 14.20

donnees reduites a 10 dbar

le 25/ 2/1992 a 5.47 tu -14.2390 116.4825 sonde: 5718 m (5829.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son) (cph)	bva
3.	3.0	29.443	29.443	35.048	21.953	21.951	38.009	218.8	5.01	113.7	586.0	0.000	1544.5	0.00
10.	9.9	29.473	29.471	35.104	21.987	21.983	38.040	223.3	5.11	116.2	583.2	0.041	1544.8	1.64
20.	19.9	29.462	29.457	35.103	21.990	21.986	38.044	235.0	5.38	122.2	583.3	0.099	1544.9	2.15
30.	29.8	29.196	29.189	35.153	22.118	22.113	38.182	219.3	5.02	113.6	571.6	0.157	1544.6	6.55
40.	39.8	28.210	28.200	35.030	22.354	22.349	38.465	223.9	5.13	114.1	549.4	0.213	1542.5	10.93
50.	49.7	26.830	26.818	34.942	22.734	22.729	38.911	219.4	5.03	109.3	513.4	0.267	1539.5	9.59
60.	59.6	25.623	25.609	34.923	23.098	23.092	39.334	214.2	4.91	104.6	479.0	0.316	1536.8	14.36
70.	69.6	24.822	24.806	34.883	23.313	23.307	39.589	202.9	4.65	97.7	458.9	0.363	1535.0	6.26
80.	79.5	24.095	24.078	34.924	23.562	23.556	39.875	183.3	4.20	87.2	435.5	0.407	1533.5	6.62
90.	89.5	23.428	23.409	34.958	23.785	23.778	40.131	161.8	3.71	76.1	414.6	0.450	1532.0	6.50
100.	99.4	22.606	22.586	34.903	23.980	23.973	40.372	150.7	3.45	69.9	396.3	0.491	1530.0	8.65
110.	109.3	21.948	21.926	34.869	24.140	24.133	40.569	138.7	3.18	63.6	381.4	0.530	1528.4	7.96
120.	119.3	21.255	21.232	34.867	24.331	24.323	40.799	130.0	2.98	58.9	363.5	0.567	1526.7	13.31
130.	129.2	20.835	20.810	34.851	24.433	24.425	40.926	126.4	2.90	56.8	354.1	0.603	1525.8	5.61
140.	139.1	20.171	20.145	34.867	24.623	24.615	41.154	123.4	2.83	54.8	336.3	0.637	1524.1	6.50
150.	149.1	19.417	19.390	34.867	24.821	24.813	41.397	122.0	2.80	53.4	317.7	0.670	1522.2	8.22
160.	159.0	18.707	18.679	34.922	25.044	25.036	41.662	123.2	2.83	53.3	296.7	0.700	1520.4	5.61
170.	168.9	18.203	18.173	34.940	25.185	25.176	41.833	122.7	2.82	52.6	283.6	0.729	1519.1	4.67
180.	178.9	17.729	17.698	35.028	25.369	25.360	42.046	129.1	2.96	54.9	266.3	0.757	1518.0	7.14
190.	188.8	17.587	17.555	35.214	25.546	25.537	42.228	142.6	3.27	60.5	249.8	0.783	1518.0	8.88
200.	198.7	16.820	16.787	35.199	25.719	25.710	42.450	145.3	3.34	60.8	233.5	0.807	1515.8	6.25
220.	218.6	15.299	15.265	35.038	25.943	25.935	42.781	136.6	3.14	55.4	212.3	0.851	1511.3	5.84
240.	238.5	13.545	13.511	34.867	26.187	26.179	43.154	124.9	2.87	48.9	189.1	0.892	1505.8	2.97
260.	258.3	12.371	12.337	34.807	26.375	26.368	43.431	119.6	2.75	45.7	171.3	0.928	1502.1	4.33
280.	278.2	11.857	11.821	34.814	26.479	26.472	43.574	126.3	2.90	47.8	161.7	0.961	1500.7	3.27
300.	298.0	11.010	10.973	34.738	26.577	26.570	43.741	124.0	2.85	46.0	152.4	0.992	1498.0	2.14
320.	317.9	10.523	10.485	34.716	26.646	26.639	43.850	125.7	2.89	46.1	146.0	1.022	1496.6	4.37
340.	337.7	10.158	10.118	34.723	26.716	26.709	43.949	136.8	3.15	49.9	139.6	1.050	1495.7	3.21
360.	357.6	9.856	9.815	34.717	26.762	26.755	44.020	142.2	3.27	51.5	135.5	1.078	1494.9	2.97
380.	377.4	9.541	9.498	34.693	26.797	26.789	44.081	143.2	3.29	51.5	132.5	1.105	1494.1	3.39
400.	397.3	9.322	9.277	34.699	26.838	26.831	44.141	158.9	3.65	56.9	128.8	1.131	1493.6	2.62
420.	417.1	9.017	8.971	34.678	26.871	26.863	44.200	160.0	3.68	56.8	125.8	1.156	1492.8	2.55
440.	437.0	8.792	8.744	34.664	26.896	26.888	44.245	154.6	3.56	54.7	123.7	1.181	1492.3	2.05
460.	456.8	8.475	8.426	34.640	26.927	26.919	44.304	136.7	3.14	48.0	120.8	1.206	1491.4	1.24
480.	476.7	8.189	8.139	34.625	26.958	26.951	44.361	129.6	2.98	45.2	117.9	1.230	1490.6	2.90
500.	496.5	7.902	7.851	34.608	26.989	26.981	44.417	115.1	2.65	39.9	115.2	1.253	1489.8	1.96
550.	546.1	7.522	7.467	34.603	27.040	27.032	44.502	105.3	2.42	36.2	110.8	1.309	1489.2	2.31
600.	595.6	7.091	7.033	34.603	27.101	27.093	44.603	100.6	2.31	34.2	105.3	1.363	1488.4	1.24
650.	645.2	6.701	6.640	34.604	27.156	27.148	44.693	96.7	2.22	32.6	100.4	1.415	1487.7	1.24
700.	694.8	6.349	6.285	34.597	27.197	27.189	44.767	92.9	2.14	31.1	96.7	1.464	1487.1	1.64
750.	744.3	6.079	6.012	34.601	27.236	27.227	44.831	92.7	2.13	30.8	93.4	1.511	1486.9	1.07
800.	793.8	5.774	5.704	34.596	27.271	27.262	44.895	93.8	2.16	30.9	90.2	1.557	1486.5	1.38
850.	843.3	5.563	5.490	34.596	27.297	27.288	44.941	94.8	2.18	31.1	88.1	1.602	1486.5	1.24
900.	892.8	5.346	5.269	34.598	27.325	27.316	44.991	95.2	2.19	31.1	85.6	1.645	1486.4	1.38
950.	942.3	5.091	5.012	34.598	27.355	27.346	45.045	96.5	2.22	31.3	82.8	1.687	1486.2	1.38
1000.	991.8	4.939	4.856	34.598	27.374	27.364	45.079	97.8	2.25	31.6	81.3	1.728	1486.4	1.07
1100.	1090.7	4.564	4.476	34.602	27.419	27.409	45.161	100.0	2.30	32.0	77.3	1.807	1486.6	0.87
1200.	1189.6	4.260	4.165	34.614	27.462	27.452	45.235	102.9	2.37	32.7	73.4	1.883	1487.0	0.87
1300.	1288.4	3.956	3.855	34.627	27.504	27.494	45.307	107.1	2.46	33.8	69.5	1.954	1487.4	1.38
1400.	1387.2	3.628	3.522	34.647	27.554	27.543	45.390	112.3	2.58	35.2	64.8	2.022	1487.7	1.24
1500.	1485.9	3.351	3.239	34.668	27.598	27.587	45.462	119.4	2.75	37.1	60.5	2.084	1488.2	0.87
fin	1519.	1504.7	3.300	3.187	34.674	27.607	27.597	45.477	119.9	2.76	59.6	2.095	1488.3	1.51

Vitesse verticale moyenne du son entre 3. et 1519. dbar : 1494.9 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

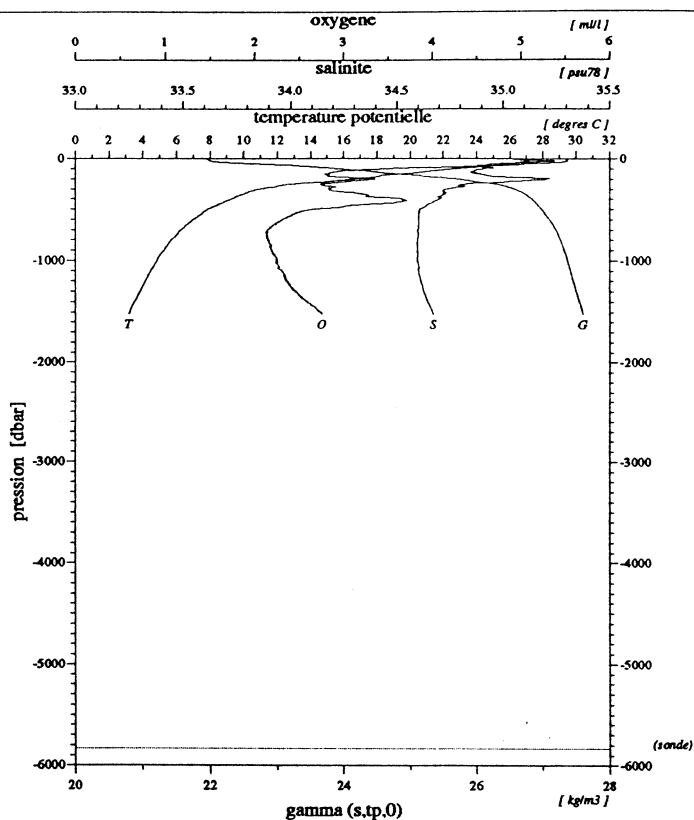


Diagramme salinite / oxygene

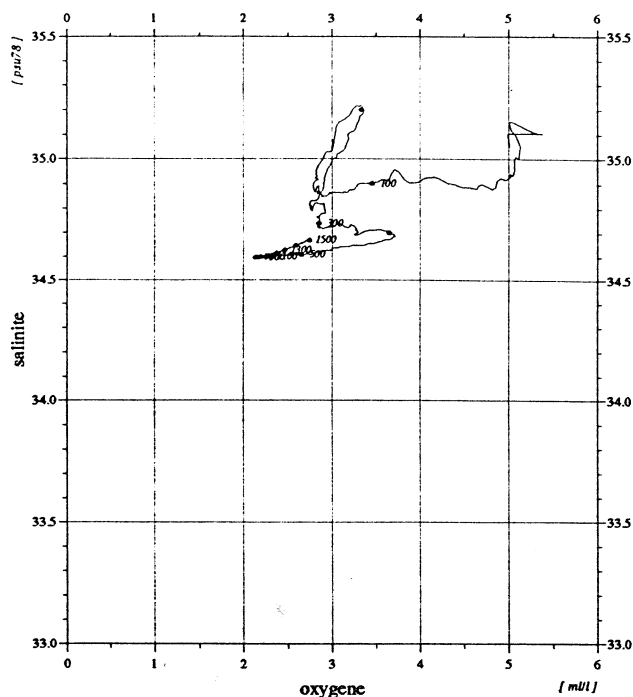


Diagramme temperature potentielle / salinite

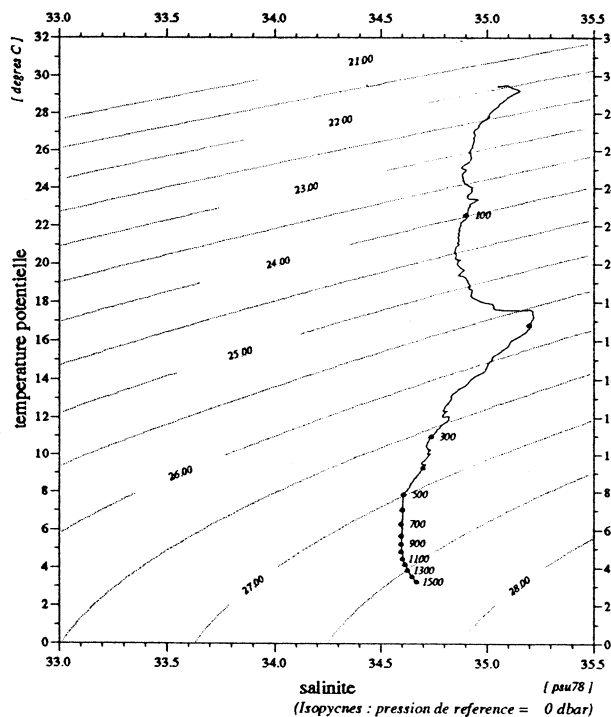
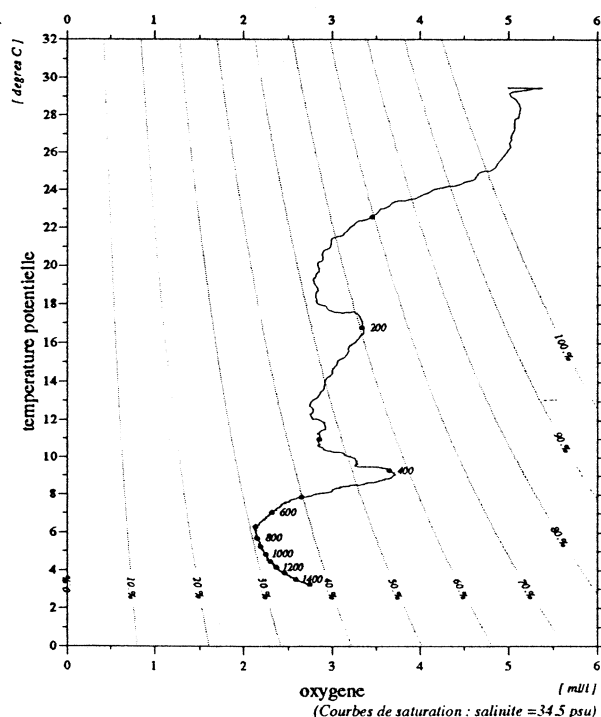


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	1519.
temperature	29.443	3.300
theta	29.443	3.187
salinite	35.048	34.674
gamma (s,tp,0)	21.953	27.607
oxygene	5.01	2.76

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5718 m (5829 dbar)	
25- 2-1992	14.23' 9 S
5.47 tu	116.48' 2 E

MD71/JADE2

Station 14.20

94/01/24  
13:37:27

STATION-1430

1

JADE 92

station : 14.30

donnees reduites a 10 dbar

le 25/ 2/1992 a 7.42 tu -14.2422 116.4826 sonde: 5718 m (5829.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.230	29.230	34.643	21.722	21.719	37.795	190.2	4.35	98.3	608.1	0.000	1543.7	0.00
10.	9.9	29.458	29.456	35.070	21.966	21.963	38.021	189.5	4.34	98.5	585.1	0.048	1544.7	4.54
20.	19.9	29.472	29.467	35.104	21.988	21.984	38.041	199.0	4.55	103.5	583.5	0.106	1545.0	1.07
30.	29.8	29.327	29.320	35.133	22.059	22.054	38.118	197.0	4.51	102.3	577.2	0.164	1544.8	8.25
41.	40.8	28.012	28.002	35.001	22.397	22.392	38.518	211.3	4.84	107.3	545.3	0.226	1542.0	14.81
50.	49.7	27.249	27.238	34.963	22.616	22.610	38.772	218.7	5.01	109.7	524.8	0.275	1540.5	7.04
60.	59.6	26.157	26.144	34.918	22.929	22.923	39.138	215.6	4.94	106.2	495.3	0.325	1538.1	10.88
70.	69.6	25.063	25.048	34.898	23.252	23.245	39.515	206.4	4.73	99.8	464.8	0.373	1535.6	7.20
80.	79.5	24.216	24.199	34.904	23.511	23.505	39.818	188.7	4.32	90.0	440.4	0.418	1533.7	4.02
90.	89.5	23.454	23.435	34.917	23.746	23.739	40.092	166.4	3.82	78.3	418.3	0.461	1532.0	9.44
100.	99.4	22.811	22.790	34.902	23.921	23.914	40.302	149.5	3.43	69.6	402.0	0.502	1530.5	9.60
110.	109.3	22.121	22.099	34.882	24.102	24.095	40.521	139.7	3.20	64.2	385.0	0.542	1528.9	5.71
120.	119.3	21.347	21.323	34.856	24.297	24.290	40.760	131.0	3.01	59.4	366.7	0.579	1527.0	4.34
130.	129.2	20.839	20.814	34.847	24.429	24.421	40.921	126.2	2.89	56.7	354.5	0.615	1525.8	2.15
140.	139.1	19.909	19.883	34.871	24.695	24.687	41.242	124.5	2.86	55.0	329.4	0.649	1523.4	7.86
150.	149.1	19.553	19.526	34.904	24.814	24.806	41.381	122.7	2.82	53.9	318.4	0.682	1522.6	6.07
160.	159.0	18.824	18.796	34.922	25.015	25.006	41.625	123.1	2.83	53.4	299.5	0.713	1520.7	7.91
170.	168.9	18.257	18.227	34.933	25.166	25.157	41.811	121.8	2.80	52.3	285.4	0.742	1519.3	5.33
180.	178.9	18.009	17.978	34.973	25.258	25.249	41.919	123.1	2.83	52.6	276.9	0.770	1518.8	6.61
190.	188.8	17.530	17.498	35.103	25.475	25.466	42.163	130.3	2.99	55.2	256.5	0.797	1517.7	7.48
200.	198.7	17.203	17.169	35.199	25.628	25.619	42.334	142.0	3.26	59.8	242.3	0.822	1517.0	9.37
220.	218.6	15.032	14.999	35.016	25.985	25.977	42.842	132.6	3.05	53.5	208.2	0.867	1510.4	5.25
240.	238.5	13.420	13.386	34.863	26.209	26.202	43.185	122.2	2.81	47.7	186.9	0.907	1505.4	3.81
260.	258.3	12.536	12.501	34.814	26.348	26.341	43.391	118.4	2.72	45.4	173.9	0.943	1502.7	5.21
280.	278.2	11.958	11.921	34.817	26.463	26.455	43.550	122.1	2.81	46.2	163.3	0.976	1501.1	4.50
300.	298.0	11.269	11.231	34.765	26.551	26.544	43.694	125.0	2.87	46.6	155.0	1.008	1499.0	2.47
fin 302.	300.0	11.229	11.191	34.761	26.555	26.547	43.700	125.5	2.88	46.8	154.7	1.011	1498.9	2.55

Vitesse verticale moyenne du son entre 2. et 302. dbar : 1522.3 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

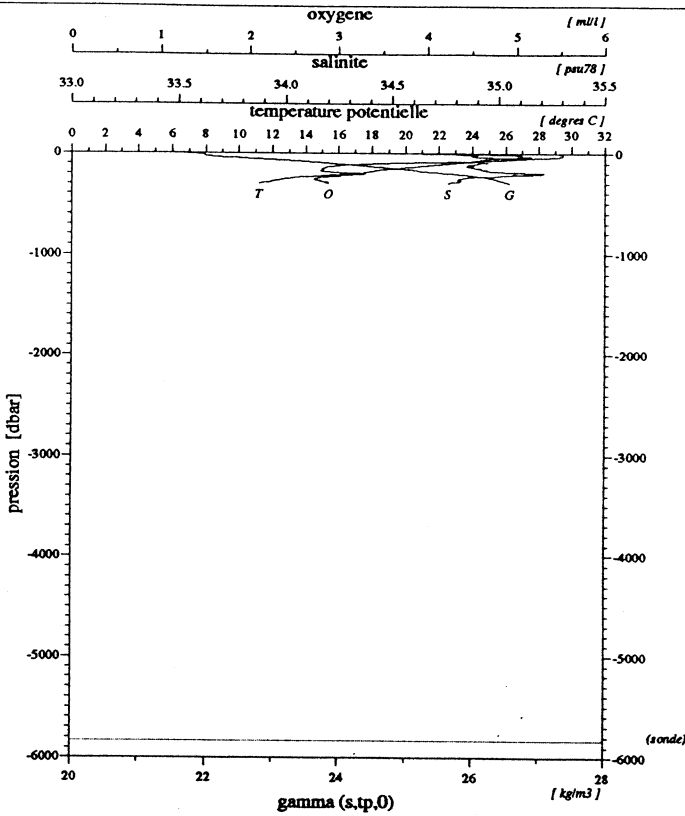


Diagramme salinite / oxygene

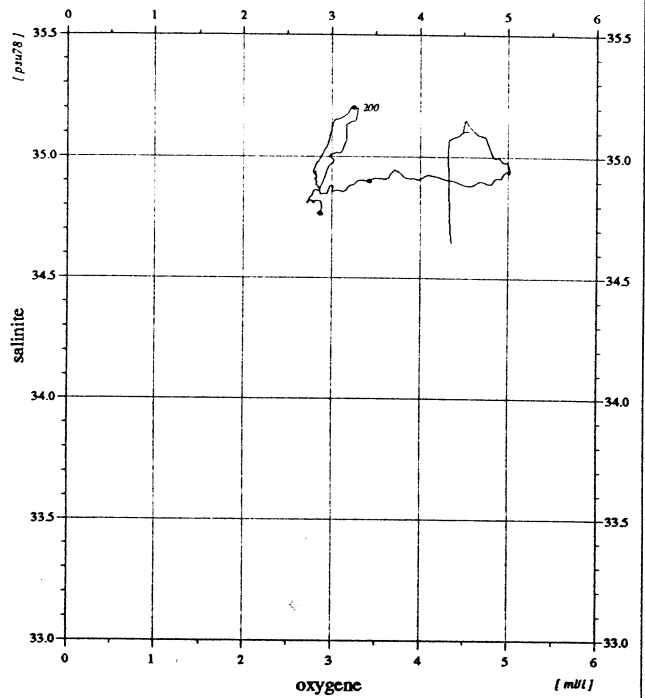


Diagramme temperature potentielle / salinite

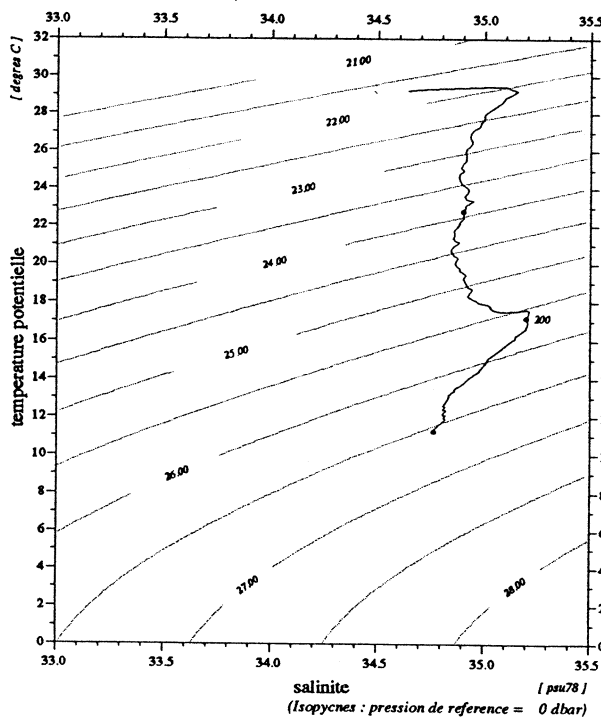
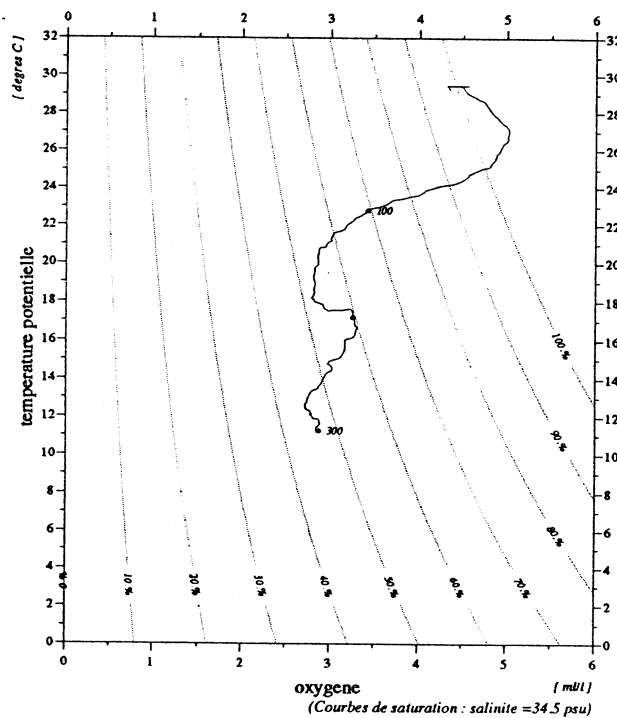


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	302
temperature	29.230	11.229
theta	29.230	11.191
salinite	34.643	34.761
gamma (s.tp.0)	21.722	26.555
oxygene	4.35	2.88

Niveaux reduits a -1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5718 m (5829 dbar)	
25- 2-1992	14.24' 2 S
7.42 tu	116.48' 2 E

MD71/JADE2

Station 14.30



Profils verticaux

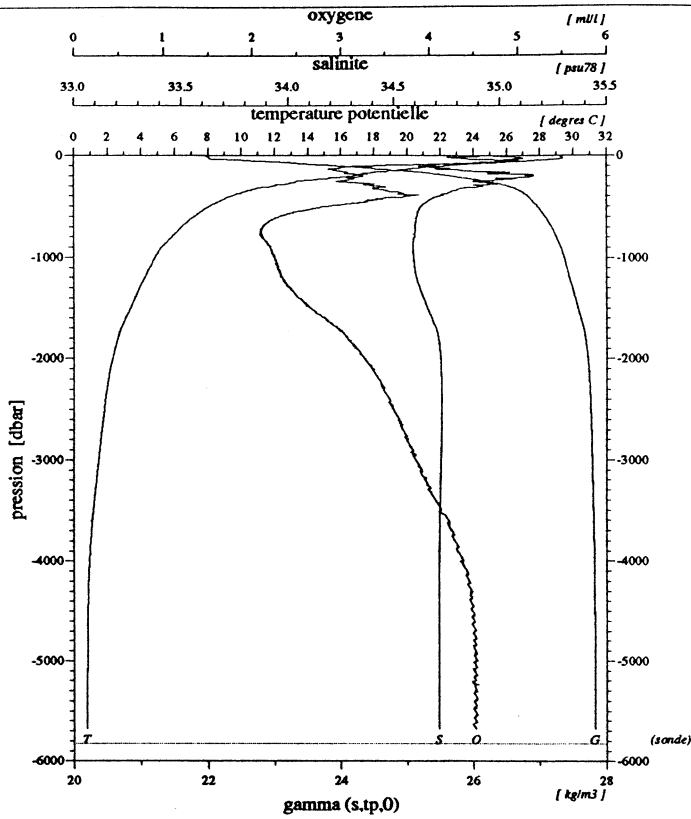


Diagramme salinite / oxygene

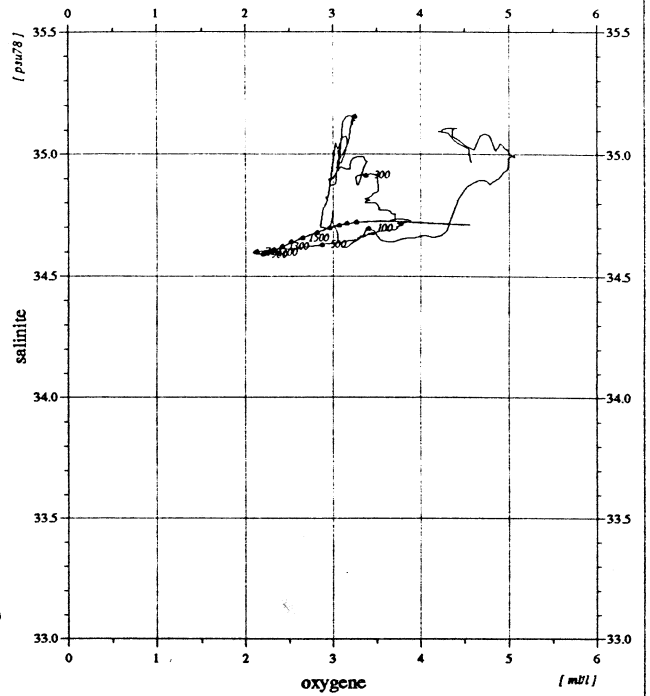


Diagramme temperature potentielle / salinite

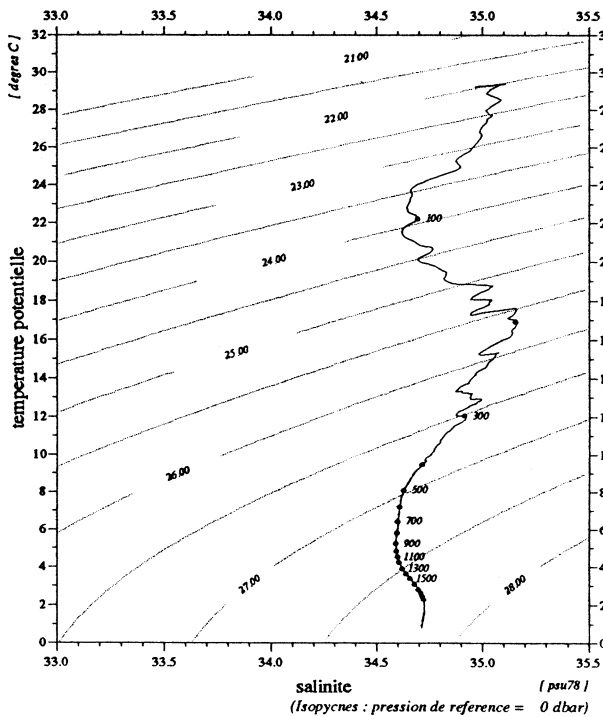
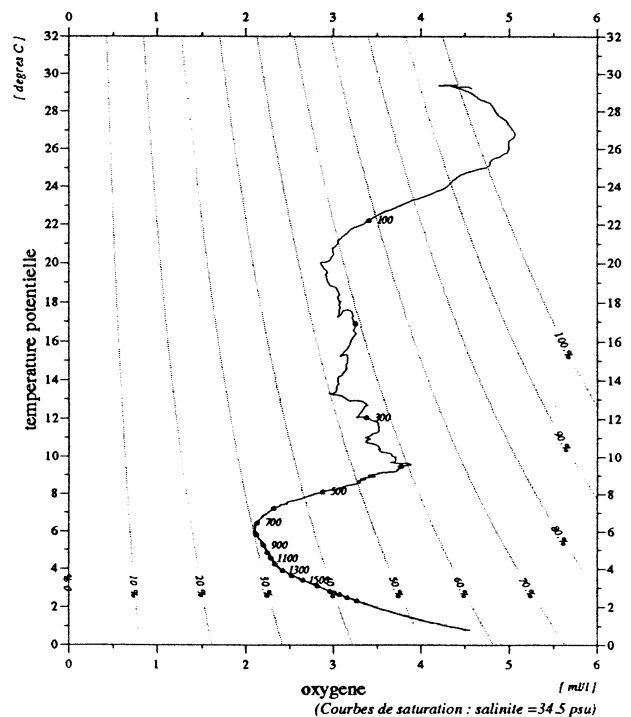


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	5683.
temperature	29.206	1.306
theta	29.206	0.793
salinite	34.968	34.712
gamma (s,tp,0)	21.973	27.827
oxygene	4.57	4.53

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5712 m (5823 dbar)	
25- 2-1992	13.55° 6 S
19.38 tu	116.40° 1 E

MD71/JADE2

Station 15.10

94/01/24  
13:37:34

STATION-1520

1

JADE 92

station : 15.20

donnees reduites a 10 dbar

le 25/ 2/1992 a 16.05 tu -13.5538 116.3946 sonde: 5712 m (5823.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.222	29.221	34.970	21.970	21.967	38.037	192.5	4.40	99.6	584.4	0.000	1544.0	0.00
10.	9.9	29.248	29.245	34.973	21.964	21.961	38.030	189.0	4.32	97.9	585.3	0.047	1544.2	0.00
20.	19.9	29.395	29.390	35.109	22.018	22.014	38.074	191.8	4.39	99.7	580.7	0.105	1544.8	2.63
30.	29.8	29.399	29.391	35.121	22.026	22.021	38.083	192.5	4.41	100.1	580.4	0.163	1545.0	0.62
40.	39.8	29.378	29.368	35.117	22.031	22.025	38.089	193.8	4.43	100.6	580.4	0.221	1545.1	1.52
50.	49.7	28.934	28.922	35.028	22.113	22.107	38.192	197.2	4.51	101.7	573.0	0.279	1544.2	10.07
60.	59.6	27.613	27.599	34.991	22.520	22.513	38.659	210.7	4.82	106.3	534.5	0.334	1541.5	6.86
70.	69.6	26.957	26.941	34.989	22.730	22.723	38.900	210.6	4.82	105.1	514.8	0.387	1540.2	5.98
80.	79.5	25.496	25.478	34.905	23.125	23.118	39.367	206.5	4.73	100.6	477.4	0.436	1536.8	5.93
90.	89.5	24.427	24.408	34.793	23.365	23.358	39.663	191.4	4.39	91.5	454.8	0.483	1534.3	11.53
100.	99.4	23.373	23.353	34.674	23.586	23.578	39.942	167.5	3.84	78.6	434.0	0.527	1531.7	8.38
110.	109.3	22.047	22.026	34.678	23.968	23.960	40.395	141.1	3.23	64.7	397.8	0.569	1528.5	7.66
120.	119.3	21.046	21.023	34.695	24.257	24.250	40.741	132.6	3.04	59.8	370.5	0.607	1526.0	4.29
130.	129.2	20.270	20.246	34.721	24.485	24.477	41.013	127.1	2.92	56.5	349.0	0.643	1524.1	6.44
140.	139.1	19.567	19.542	34.800	24.730	24.722	41.299	124.8	2.86	54.8	326.0	0.677	1522.4	8.12
150.	149.1	19.371	19.344	34.843	24.814	24.806	41.393	125.7	2.88	55.0	318.3	0.709	1522.0	5.03
160.	159.0	18.834	18.806	34.992	25.065	25.057	41.674	130.6	3.00	56.7	294.7	0.740	1520.9	7.46
170.	168.9	18.374	18.344	35.024	25.206	25.198	41.842	132.9	3.05	57.2	281.6	0.768	1519.7	1.52
180.	178.9	17.766	17.736	35.025	25.357	25.348	42.031	132.0	3.03	56.1	267.4	0.796	1518.1	4.63
190.	188.8	17.588	17.555	35.162	25.506	25.497	42.188	135.6	3.11	57.5	253.6	0.822	1517.9	6.75
200.	198.7	17.051	17.018	35.163	25.636	25.628	42.354	137.9	3.17	57.9	241.4	0.846	1516.5	6.06
220.	218.6	16.116	16.081	35.120	25.822	25.813	42.603	136.1	3.13	56.2	224.1	0.893	1513.9	2.05
240.	238.5	15.030	14.994	35.034	26.000	25.991	42.857	135.8	3.12	54.8	207.5	0.936	1510.8	6.13
260.	258.3	13.803	13.766	34.939	26.190	26.181	43.136	131.6	3.02	51.8	189.5	0.976	1507.1	3.76
280.	278.2	13.224	13.185	34.918	26.292	26.284	43.281	130.8	3.01	50.9	180.1	1.012	1505.5	3.45
300.	298.0	12.826	12.785	34.986	26.425	26.416	43.442	145.4	3.34	56.1	167.9	1.047	1504.6	2.47
320.	317.9	12.049	12.007	34.910	26.518	26.510	43.596	145.9	3.35	55.4	159.1	1.080	1502.2	0.00
340.	337.8	11.098	11.056	34.813	26.621	26.612	43.776	144.9	3.33	53.9	149.3	1.110	1499.1	3.39
360.	357.6	10.749	10.705	34.795	26.670	26.661	43.853	147.3	3.39	54.4	145.0	1.140	1498.2	3.96
380.	377.4	10.335	10.290	34.768	26.722	26.713	43.939	152.3	3.50	55.7	140.2	1.168	1497.0	3.61
400.	397.3	10.022	9.975	34.754	26.765	26.756	44.008	161.4	3.71	58.6	136.3	1.196	1496.2	0.00
420.	417.1	9.574	9.526	34.721	26.814	26.806	44.096	168.9	3.88	60.8	131.7	1.223	1494.9	2.90
440.	437.0	9.280	9.231	34.695	26.843	26.834	44.149	162.3	3.73	58.0	129.2	1.249	1494.1	1.52
460.	456.8	8.970	8.919	34.671	26.874	26.865	44.208	149.7	3.44	53.1	126.4	1.274	1493.3	2.77
480.	476.7	8.635	8.583	34.653	26.912	26.904	44.276	142.4	3.28	50.2	122.8	1.299	1492.3	2.23
500.	496.5	8.264	8.212	34.634	26.955	26.946	44.350	130.7	3.01	45.6	118.8	1.324	1491.2	1.86
550.	546.1	7.775	7.719	34.616	27.014	27.005	44.453	111.9	2.57	38.7	113.5	1.382	1490.2	2.23
600.	595.7	7.394	7.335	34.612	27.067	27.058	44.540	101.9	2.34	34.9	109.0	1.437	1489.6	2.55
650.	645.2	6.914	6.852	34.604	27.128	27.119	44.645	94.4	2.17	32.0	103.4	1.490	1488.5	2.62
700.	694.8	6.580	6.515	34.600	27.170	27.161	44.718	91.8	2.11	30.8	99.7	1.541	1488.0	1.38
750.	744.3	6.218	6.149	34.599	27.217	27.208	44.799	90.3	2.08	30.1	95.4	1.590	1487.4	1.52
800.	793.8	5.905	5.834	34.596	27.254	27.245	44.866	91.0	2.09	30.1	92.0	1.637	1487.0	1.96
850.	843.3	5.583	5.509	34.591	27.291	27.281	44.933	92.9	2.14	30.5	88.7	1.682	1486.6	1.24
900.	892.8	5.304	5.227	34.591	27.325	27.315	44.994	95.2	2.19	31.0	85.5	1.725	1486.3	2.14
950.	942.3	5.102	5.022	34.593	27.350	27.341	45.039	96.6	2.22	31.4	83.3	1.767	1486.3	1.51
1000.	991.8	4.919	4.836	34.594	27.373	27.363	45.080	97.1	2.23	31.4	81.4	1.809	1486.3	0.62
1100.	1090.7	4.634	4.544	34.598	27.408	27.398	45.144	98.9	2.28	31.7	78.4	1.889	1486.8	1.07
1200.	1189.6	4.347	4.251	34.607	27.447	27.437	45.211	100.8	2.32	32.1	75.1	1.965	1487.3	1.07
1300.	1288.4	4.038	3.936	34.621	27.491	27.481	45.287	104.2	2.40	33.0	71.0	2.039	1487.7	1.86
1400.	1387.2	3.785	3.677	34.638	27.531	27.521	45.352	108.7	2.50	34.2	67.4	2.108	1488.4	1.24
1500.	1486.0	3.496	3.383	34.658	27.576	27.565	45.426	114.8	2.64	35.8	63.1	2.173	1488.8	1.64
fin	1518.	1503.7	3.451	3.337	34.662	27.584	27.572	45.438	115.7	2.66	62.3	2.184	1488.9	1.07

Vitesse verticale moyenne du son entre 2. et 1518. dbar : 1496.1 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

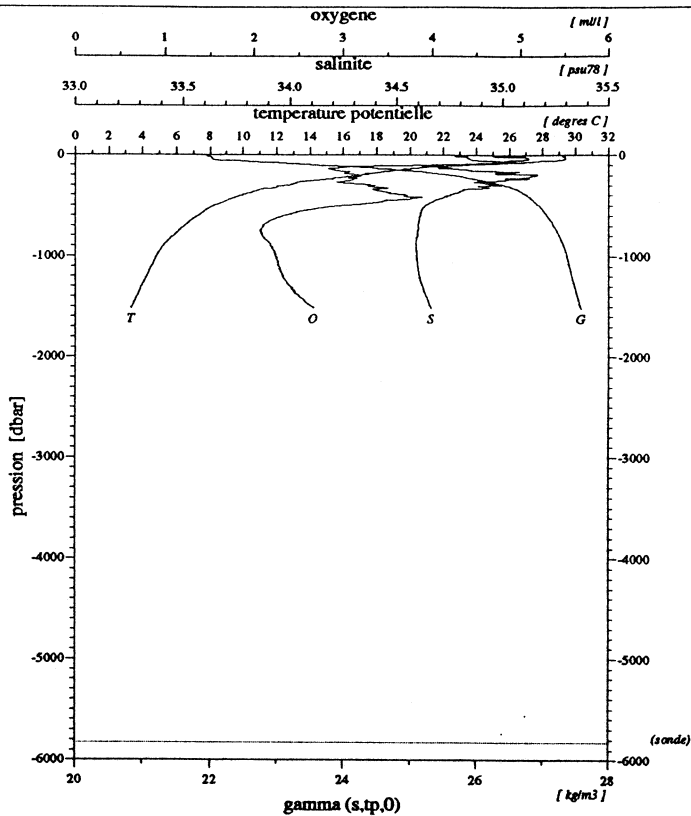


Diagramme salinite / oxygene

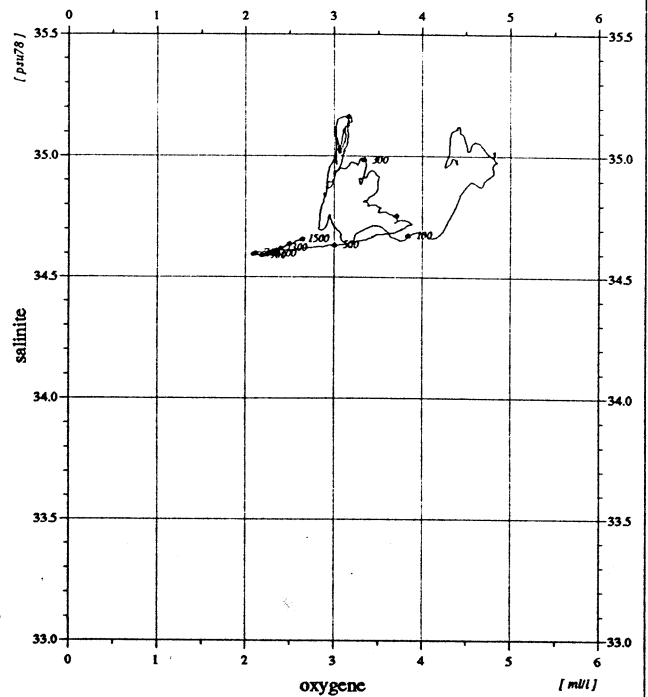


Diagramme temperature potentielle / salinite

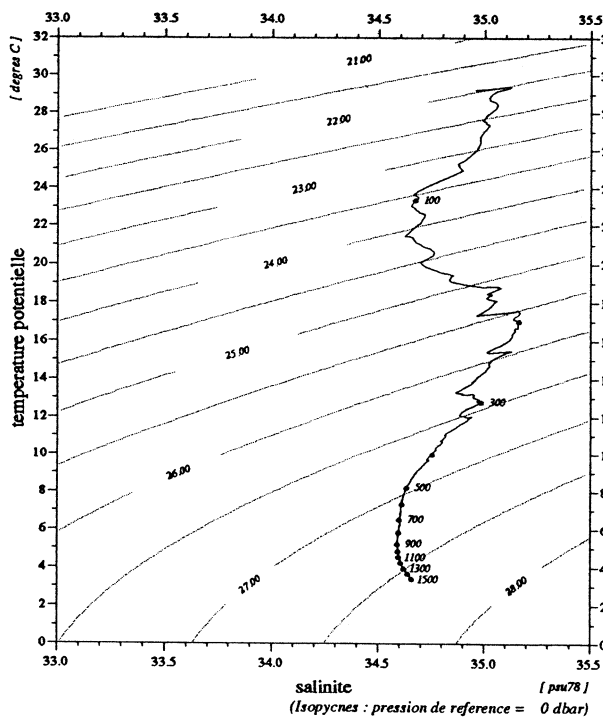
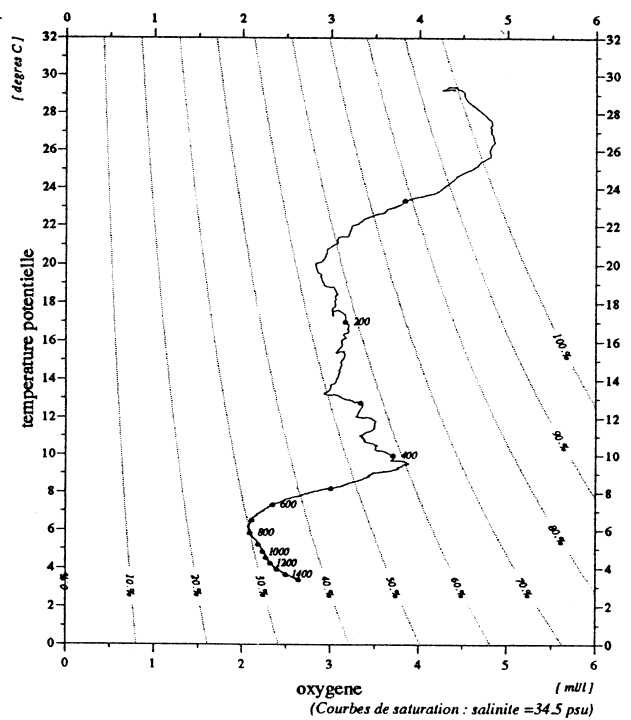


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1518.
temperature	29.222	3.451
theta	29.221	3.337
salinite	34.970	34.662
gamma (s,tp,0)	21.970	27.584
oxygene	4.40	2.66

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5712 m ( 5823 dbar)  
 25- 2-1992 13.55' 3 S  
 16.05 tu 116.39' 4 E

MD71/JADE2

Station 15.20

94/01/24  
13:37:28

# STATION-1530

1

JADE 92

station : 15.30

donnees reduites a 10 dbar

le 25/ 2/1992 a 13.36 tu -13.5525 116.3944 sonde: 5712 m (5823.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son) (cph)	bva (cph)	
4.	4.0	29.154	29.153	34.873	21.920	21.917	37.992	188.8	4.32	97.6	589.2	0.000	1543.8	0.00	
10.	9.9	29.163	29.161	34.878	21.921	21.917	37.992	189.1	4.33	97.7	589.5	0.035	1543.9	1.24	
20.	19.9	29.409	29.404	35.095	22.002	21.998	38.058	192.1	4.39	99.8	582.2	0.094	1544.8	1.75	
30.	29.8	29.395	29.387	35.112	22.021	22.016	38.078	192.2	4.40	99.9	580.9	0.152	1545.0	2.84	
40.	39.8	29.396	29.386	35.119	22.026	22.021	38.083	192.3	4.40	99.9	580.8	0.210	1545.1	1.39	
50.	49.7	29.337	29.325	35.110	22.041	22.034	38.100	194.7	4.45	101.0	580.0	0.268	1545.2	1.39	
60.	59.6	28.479	28.465	35.062	22.291	22.284	38.389	202.2	4.63	103.5	556.5	0.326	1543.5	14.21	
70.	69.6	27.333	27.316	35.018	22.632	22.625	38.783	212.5	4.86	106.7	524.2	0.379	1541.0	7.32	
80.	79.5	25.750	25.732	34.950	23.081	23.073	39.309	208.4	4.78	102.0	481.7	0.430	1537.5	15.03	
90.	89.5	25.019	25.000	34.891	23.261	23.253	39.527	199.6	4.57	96.5	464.8	0.478	1535.8	11.83	
100.	99.4	23.568	23.547	34.689	23.541	23.533	39.886	177.6	4.07	83.6	438.3	0.522	1532.2	4.88	
110.	109.3	22.661	22.639	34.726	23.831	23.823	40.224	158.0	3.62	73.3	410.9	0.565	1530.1	14.11	
120.	119.3	21.062	21.039	34.690	24.249	24.241	40.732	137.3	3.15	61.9	371.3	0.604	1526.0	5.78	
130.	129.2	20.797	20.772	34.743	24.361	24.353	40.858	130.8	3.00	58.7	361.0	0.641	1525.5	11.93	
140.	139.1	19.631	19.606	34.786	24.703	24.695	41.268	127.4	2.92	56.0	328.6	0.675	1522.5	5.47	
150.	149.1	19.368	19.341	34.844	24.816	24.808	41.395	127.3	2.92	55.7	318.1	0.707	1522.0	6.28	
160.	159.0	18.872	18.844	34.984	25.050	25.042	41.656	128.9	2.96	56.0	296.2	0.738	1521.0	5.50	
170.	168.9	18.113	18.084	34.937	25.204	25.196	41.859	131.0	3.01	56.1	281.7	0.767	1518.9	4.76	
180.	178.9	17.497	17.466	35.004	25.407	25.398	42.099	133.7	3.07	56.6	262.6	0.794	1517.3	10.30	
190.	188.8	17.115	17.084	35.146	25.607	25.599	42.320	139.5	3.20	58.7	243.8	0.819	1516.5	8.78	
200.	198.7	16.540	16.508	35.147	25.744	25.735	42.495	139.6	3.21	58.1	231.0	0.843	1514.9	5.54	
220.	218.6	15.215	15.181	35.062	25.981	25.972	42.824	137.4	3.16	55.7	208.7	0.887	1511.1	7.19	
240.	238.5	13.935	13.900	34.959	26.177	26.169	43.114	132.3	3.04	52.2	190.2	0.927	1507.2	3.81	
260.	258.3	13.233	13.197	34.949	26.314	26.306	43.302	131.8	3.03	51.3	177.5	0.963	1505.2	3.96	
280.	278.2	12.200	12.163	34.916	26.493	26.485	43.559	142.0	3.26	54.1	160.5	0.997	1502.0	4.46	
300.	298.0	11.913	11.874	34.926	26.556	26.548	43.644	148.7	3.42	56.3	155.0	1.029	1501.4	2.40	
fin	302.	300.0	11.898	11.859	34.924	26.558	26.550	43.647	149.0	3.43	56.4	154.9	1.032	1501.4	1.52

Vitesse verticale moyenne du son entre 4. et 302. dbar : 1523.2 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

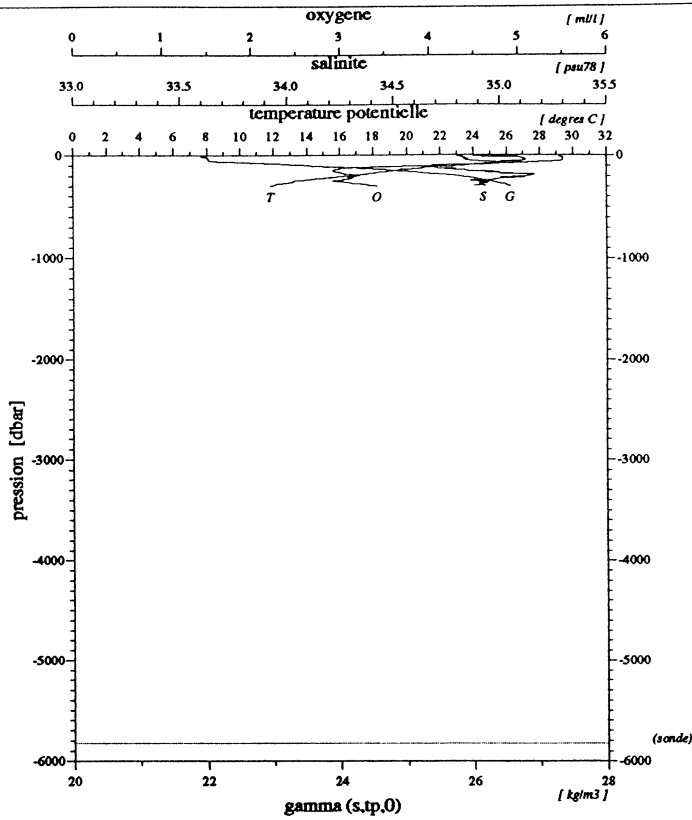


Diagramme salinite / oxygene

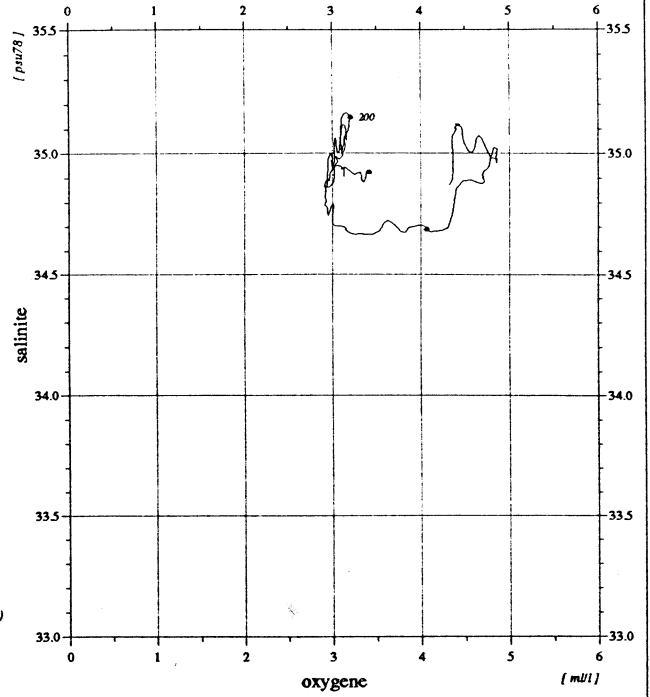


Diagramme temperature potentielle / salinite

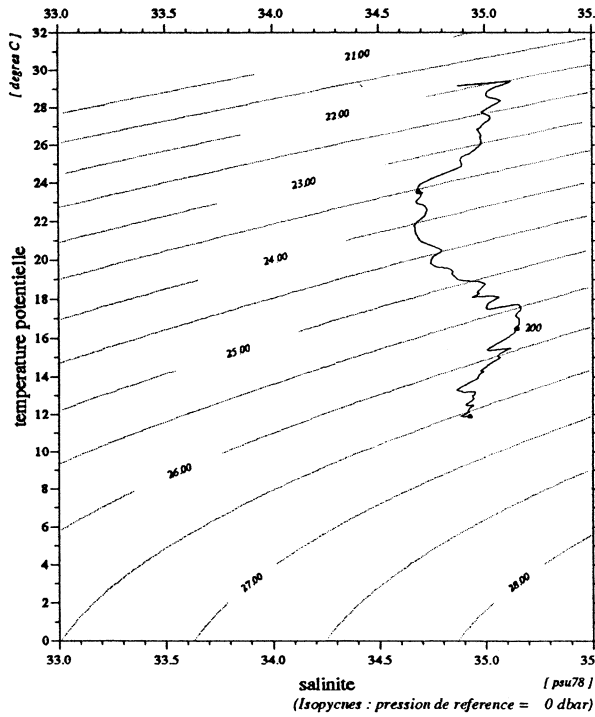
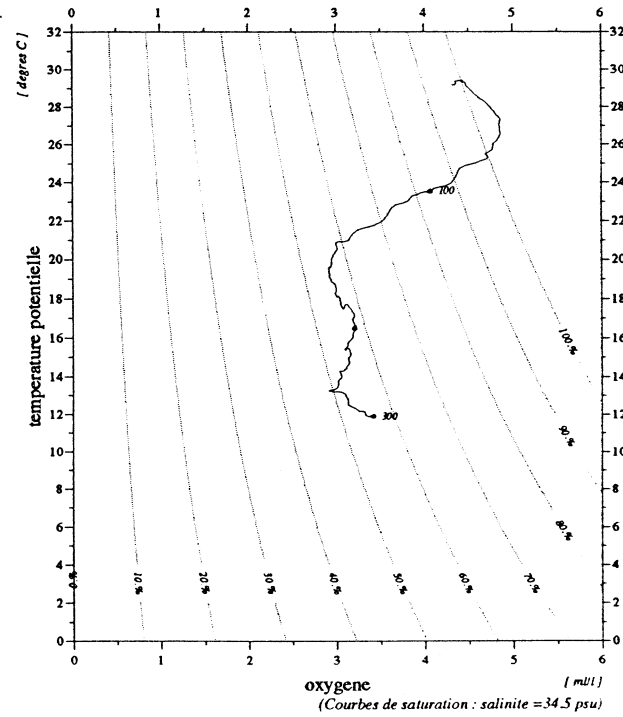


Diagramme temperature potentielle / oxygene



	debut	fin
pression	4.	302.
temperature	29.154	11.898
theta	29.153	11.859
salinite	34.873	34.924
gamma (s,tp,0)	21.920	26.558
oxygene	4.32	3.43

Niveaux reduits a -1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5712 m (5823 dbar)	
25- 2-1992	13.55' 2 S
13.36 tu	116.39' 4 E

MD71/JADE2

Station 15.30





Profils verticaux

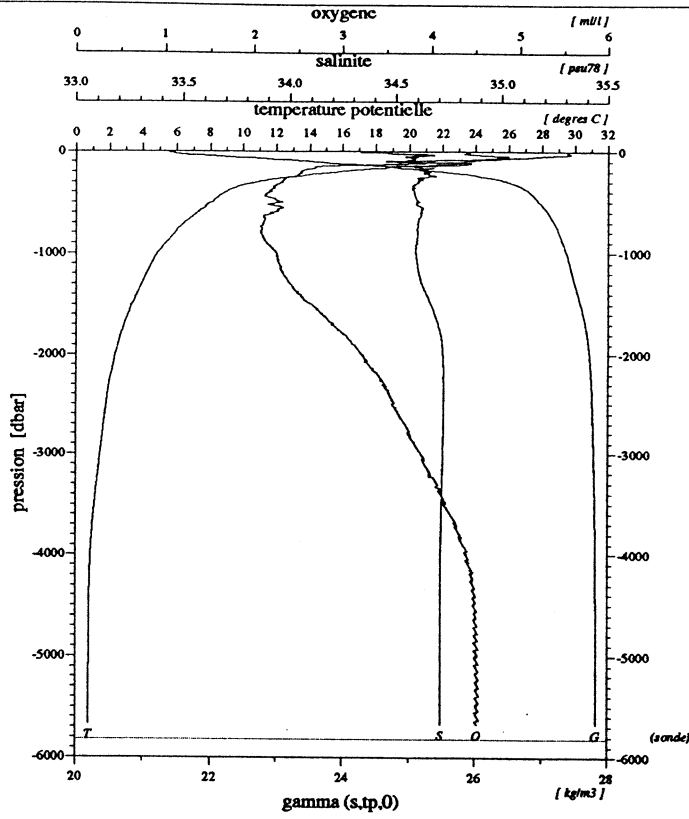


Diagramme salinite / oxygene

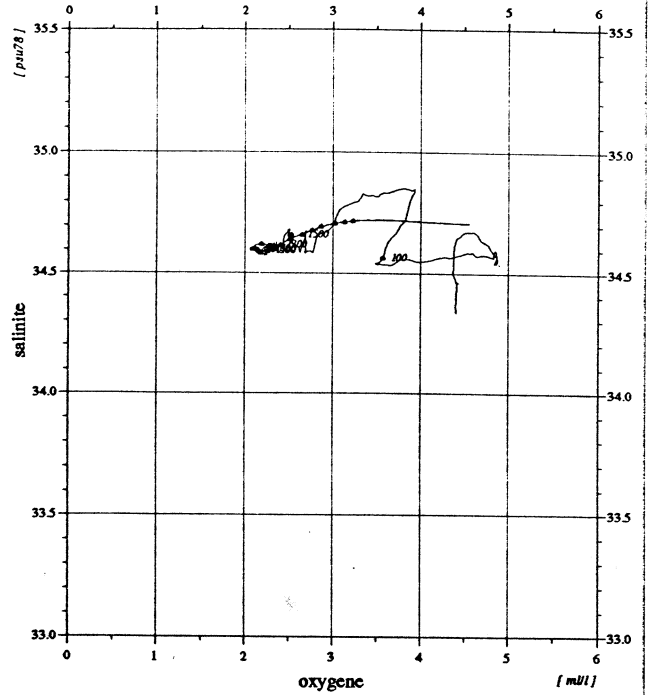


Diagramme temperature potentielle / salinite

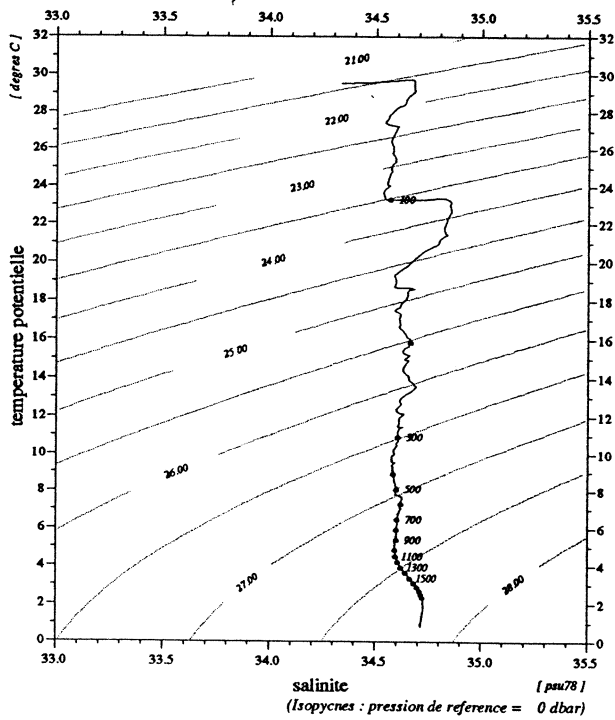
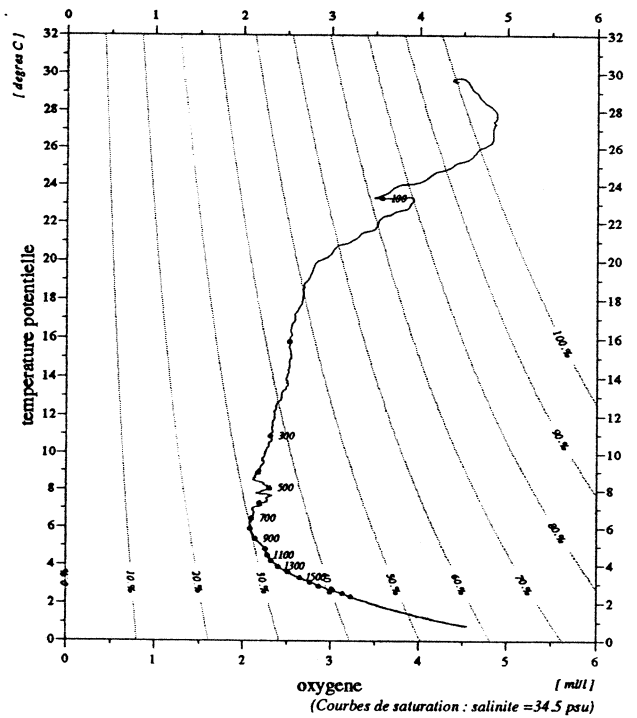


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	5675.
temperature	29.523	1.300
theta	29.522	0.788
salinite	34.337	34.712
gamma (s,tp,0)	21.394	27.828
oxygene	4.41	4.53

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5711 m (5822 dbar)	
26-2-1992	13.27' 1 S
3.56 tu	116.31' 1 E

MD71/JADE2

Station 16.10

94/01/24  
13:38:25

STATION-1620

1

JADE 92

station : 16.20

donnees reduites a 10 dbar

le 26/ 2/1992 a 8.43 tu -13.2708 116.3106 sonde: 5696 m (5806.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	29.697	29.696	34.559	21.501	21.499	37.556	194.6	4.45	101.2	629.3	0.000	1544.6	0.00	
10.	9.9	29.711	29.709	34.550	21.490	21.487	37.544	194.1	4.44	101.0	630.7	0.050	1544.7	0.00	
20.	19.9	29.781	29.776	34.592	21.499	21.495	37.550	193.1	4.42	100.6	630.3	0.114	1545.1	2.94	
30.	29.8	29.736	29.728	34.667	21.571	21.566	37.622	196.3	4.49	102.3	623.9	0.176	1545.2	8.77	
40.	39.8	27.767	27.757	34.545	22.133	22.128	38.275	215.2	4.93	108.6	570.5	0.236	1541.0	11.62	
50.	49.7	27.015	27.003	34.567	22.393	22.387	38.568	205.7	4.71	102.5	546.1	0.291	1539.5	6.12	
60.	59.6	25.909	25.895	34.583	22.754	22.747	38.982	205.0	4.69	100.3	512.0	0.344	1537.1	7.24	
70.	69.6	25.183	25.168	34.583	22.977	22.970	39.241	200.6	4.59	97.0	491.0	0.395	1535.6	9.35	
80.	79.5	24.135	24.119	34.557	23.272	23.266	39.591	174.3	3.99	82.8	463.1	0.442	1533.2	12.16	
90.	89.5	23.137	23.118	34.662	23.645	23.638	40.014	162.8	3.73	76.1	427.9	0.487	1530.9	11.05	
100.	99.4	22.889	22.868	34.713	23.755	23.748	40.136	162.3	3.72	75.6	417.8	0.529	1530.5	5.37	
110.	109.3	22.524	22.502	34.832	23.950	23.943	40.349	163.1	3.74	75.5	399.6	0.570	1529.9	2.91	
120.	119.3	21.820	21.796	34.830	24.147	24.139	40.584	155.9	3.58	71.3	381.1	0.609	1528.2	12.51	
130.	129.2	21.143	21.119	34.817	24.323	24.315	40.799	145.1	3.33	65.6	364.6	0.646	1526.6	7.71	
140.	139.1	20.261	20.235	34.773	24.528	24.520	41.056	133.7	3.07	59.5	345.4	0.682	1524.3	7.56	
150.	149.1	19.136	19.109	34.616	24.701	24.693	41.300	121.9	2.80	53.0	329.0	0.716	1521.1	6.95	
160.	159.0	18.046	18.018	34.633	24.987	24.980	41.654	119.3	2.74	50.9	301.8	0.747	1518.2	11.62	
170.	168.9	17.197	17.169	34.622	25.185	25.177	41.906	115.8	2.66	48.6	283.2	0.777	1515.8	8.44	
180.	178.9	16.614	16.585	34.622	25.323	25.315	42.082	113.4	2.60	47.1	270.3	0.804	1514.2	7.35	
190.	188.8	15.955	15.925	34.638	25.487	25.479	42.290	113.1	2.60	46.4	254.8	0.830	1512.4	4.79	
200.	198.7	15.649	15.617	34.673	25.583	25.575	42.406	113.7	2.61	46.3	245.9	0.855	1511.6	7.38	
220.	218.6	15.192	15.159	34.785	25.772	25.763	42.623	115.4	2.65	46.7	228.5	0.903	1510.7	5.97	
240.	238.5	13.703	13.668	34.678	26.008	26.000	42.968	110.6	2.54	43.4	206.1	0.946	1506.1	5.03	
260.	258.3	12.631	12.596	34.618	26.178	26.171	43.219	105.9	2.43	40.6	190.0	0.986	1502.8	4.38	
280.	278.2	12.162	12.125	34.653	26.296	26.288	43.372	106.9	2.46	40.6	179.1	1.022	1501.6	3.55	
300.	298.1	11.168	11.130	34.605	26.445	26.438	43.599	103.9	2.39	38.7	165.0	1.057	1498.4	5.10	
320.	317.9	10.608	10.569	34.599	26.541	26.533	43.740	103.8	2.38	38.1	156.0	1.089	1496.8	3.50	
340.	337.8	10.143	10.103	34.588	26.613	26.606	43.850	100.9	2.32	36.7	149.4	1.119	1495.4	3.66	
360.	357.6	9.708	9.667	34.580	26.680	26.673	43.954	98.6	2.27	35.5	143.1	1.149	1494.2	2.47	
380.	377.5	9.392	9.349	34.589	26.740	26.733	44.040	101.4	2.33	36.3	137.6	1.176	1493.4	2.14	
400.	397.3	9.114	9.070	34.587	26.784	26.776	44.107	98.0	2.25	34.9	133.7	1.204	1492.7	2.97	
420.	417.1	8.933	8.888	34.589	26.814	26.807	44.153	96.7	2.22	34.3	131.1	1.230	1492.4	2.40	
440.	437.0	8.776	8.728	34.588	26.839	26.831	44.191	93.6	2.15	33.1	129.0	1.256	1492.1	1.75	
460.	456.8	8.602	8.553	34.589	26.867	26.859	44.235	93.2	2.14	32.8	126.6	1.282	1491.8	2.05	
480.	476.7	8.391	8.340	34.595	26.905	26.897	44.291	97.3	2.24	34.1	123.2	1.307	1491.3	3.55	
500.	496.5	8.262	8.209	34.603	26.931	26.922	44.327	98.9	2.27	34.5	121.0	1.331	1491.2	1.86	
550.	546.1	7.785	7.729	34.608	27.006	26.998	44.445	97.9	2.25	33.8	114.3	1.390	1490.2	2.40	
600.	595.7	7.350	7.291	34.619	27.078	27.069	44.555	99.6	2.29	34.1	107.8	1.445	1489.4	1.38	
650.	645.2	6.849	6.788	34.609	27.140	27.131	44.663	93.0	2.14	31.4	102.1	1.498	1488.3	1.52	
700.	694.8	6.460	6.396	34.603	27.188	27.180	44.748	92.7	2.13	31.1	97.7	1.548	1487.6	2.55	
750.	744.3	6.084	6.017	34.599	27.234	27.225	44.828	91.4	2.10	30.4	93.6	1.596	1486.9	1.07	
800.	793.8	5.808	5.738	34.599	27.269	27.260	44.890	91.8	2.11	30.3	90.5	1.642	1486.6	1.51	
850.	843.4	5.526	5.453	34.597	27.302	27.293	44.950	92.7	2.13	30.4	87.5	1.686	1486.3	2.31	
900.	892.9	5.242	5.166	34.594	27.334	27.325	45.009	95.4	2.19	31.1	84.5	1.729	1486.0	0.62	
950.	942.4	5.001	4.922	34.593	27.362	27.352	45.060	98.2	2.26	31.8	82.0	1.771	1485.9	1.38	
1000.	991.8	4.832	4.750	34.596	27.383	27.374	45.099	98.2	2.26	31.7	80.2	1.811	1486.0	0.87	
1100.	1090.8	4.534	4.445	34.601	27.421	27.411	45.167	99.9	2.30	32.0	77.0	1.890	1486.4	0.00	
1200.	1189.6	4.231	4.136	34.611	27.463	27.452	45.238	102.2	2.35	32.5	73.3	1.965	1486.9	0.62	
1300.	1288.5	3.917	3.816	34.627	27.509	27.498	45.316	106.6	2.45	33.6	69.0	2.037	1487.2	1.38	
1400.	1387.2	3.689	3.582	34.647	27.548	27.537	45.378	110.1	2.53	34.5	65.5	2.104	1488.0	1.51	
1500.	1486.0	3.416	3.303	34.667	27.590	27.580	45.448	116.0	2.67	36.1	61.4	2.168	1488.5	1.24	
fin	1520.	1505.7	3.381	3.266	34.669	27.596	27.585	45.458	117.2	2.70	36.5	61.0	2.180	1488.7	1.24

Vitesse verticale moyenne du son entre 2. et 1520. dbar : 1494.9 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

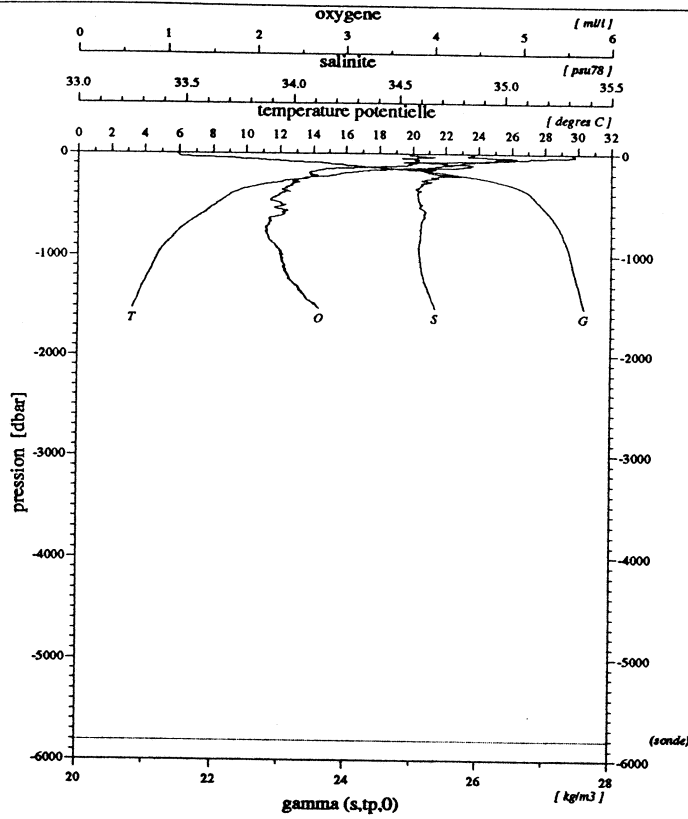


Diagramme salinite / oxygene

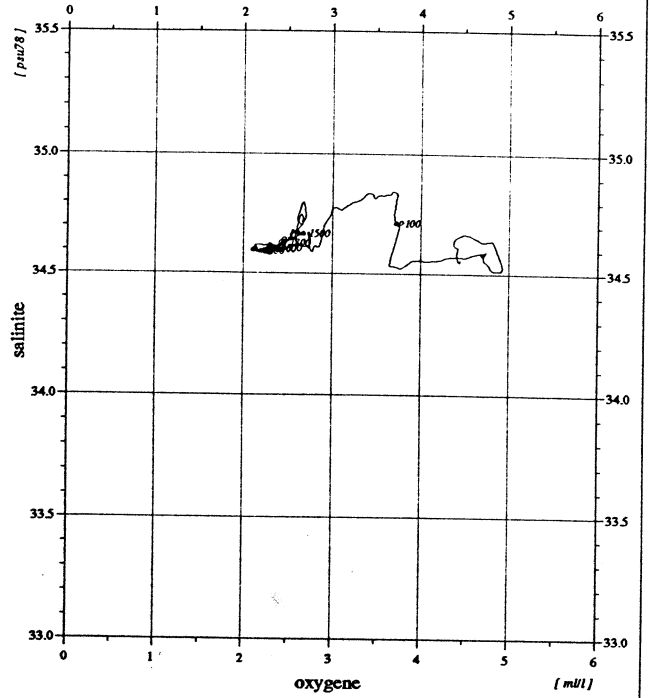


Diagramme temperature potentielle / salinite

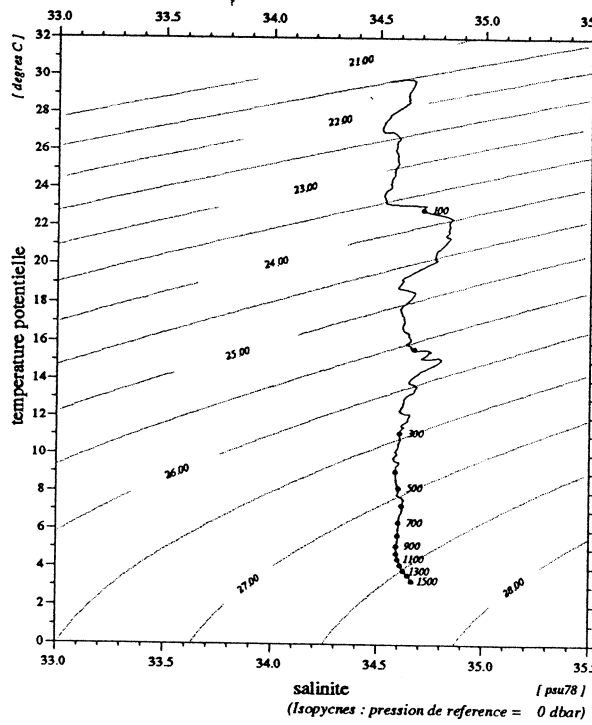
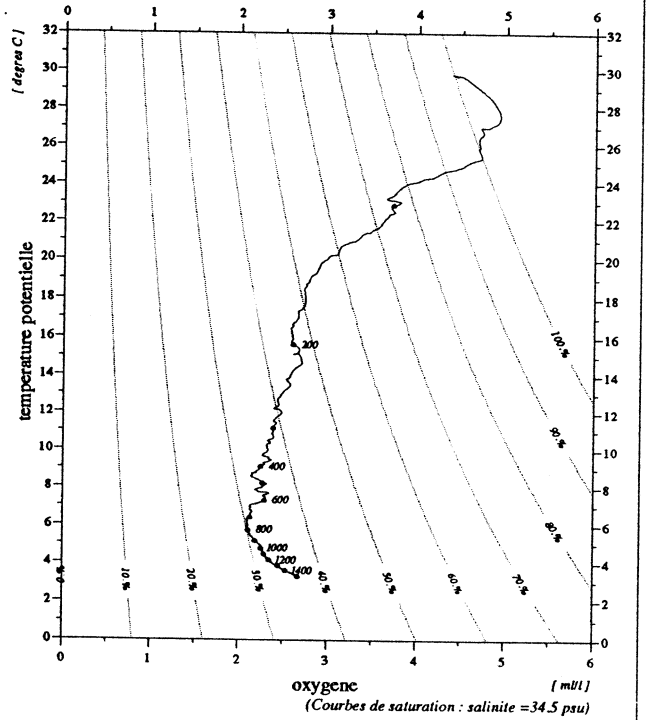


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1520
temperature	29.697	3.381
theta	29.696	3.266
salinite	34.559	34.669
gamma (s,tp,0)	21.501	27.596
oxygene	4.45	2.70

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 5696 m ( 5806 dbar)	
26-2-1992	13.27' 0 S
8.43 tu	116.31' 0 E

MD71/JADE2

Station 16.20

94/01/24  
13:38:26

# STATION 1630

1

JADE 92

station : 16.30

donnees reduites a 10 dbar

le 26/ 2/1992 a 10.29 tu -13.2647 116.3095 sonde: 5696 m (5806.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.465	29.464	34.580	21.595	21.593	37.660	198.3	4.54	102.8	620.3	0.000	1544.1	0.00
10.	9.9	29.498	29.495	34.576	21.582	21.579	37.645	198.8	4.55	103.1	621.9	0.050	1544.3	0.00
20.	19.9	29.425	29.420	34.576	21.608	21.604	37.674	201.0	4.60	104.1	619.9	0.112	1544.3	0.00
30.	29.8	29.283	29.276	34.668	21.725	21.720	37.795	207.2	4.74	107.2	609.2	0.174	1544.3	9.22
40.	39.8	27.651	27.642	34.542	22.169	22.163	38.315	218.3	5.00	109.9	567.1	0.232	1540.7	9.49
50.	49.7	26.631	26.619	34.541	22.495	22.489	38.689	216.6	4.96	107.2	536.3	0.287	1538.6	8.35
60.	59.6	25.928	25.915	34.591	22.753	22.747	38.980	212.2	4.86	103.9	512.0	0.339	1537.2	7.22
70.	69.6	24.863	24.848	34.569	23.063	23.057	39.344	194.8	4.46	93.7	482.7	0.389	1534.8	10.67
80.	79.5	23.336	23.319	34.524	23.482	23.476	39.843	159.7	3.66	74.8	443.0	0.436	1531.1	11.38
90.	89.5	22.992	22.974	34.656	23.682	23.675	40.059	155.6	3.57	72.6	424.4	0.479	1530.6	12.39
100.	99.4	22.541	22.521	34.759	23.890	23.882	40.288	158.3	3.63	73.3	404.9	0.521	1529.7	11.67
110.	109.3	22.108	22.086	34.839	24.073	24.065	40.494	156.6	3.59	72.0	387.8	0.561	1528.8	9.48
120.	119.3	21.044	21.021	34.807	24.342	24.335	40.824	143.1	3.28	64.5	362.4	0.598	1526.1	9.69
130.	129.2	19.924	19.900	34.712	24.569	24.562	41.118	128.2	2.94	56.6	340.9	0.633	1523.1	8.87
140.	139.1	18.861	18.837	34.592	24.752	24.744	41.368	120.9	2.78	52.4	323.7	0.667	1520.1	7.11
150.	149.1	17.635	17.610	34.607	25.067	25.060	41.760	118.4	2.72	50.1	293.8	0.697	1516.8	10.95
160.	159.0	16.920	16.894	34.619	25.248	25.241	41.987	114.1	2.62	47.6	276.8	0.726	1514.8	10.99
170.	168.9	16.442	16.414	34.644	25.379	25.372	42.149	111.5	2.56	46.2	264.5	0.753	1513.6	5.47
180.	178.9	15.757	15.729	34.639	25.532	25.525	42.348	111.9	2.57	45.7	250.1	0.779	1511.6	6.49
190.	188.8	15.569	15.540	34.699	25.621	25.613	42.448	112.0	2.57	45.6	242.0	0.804	1511.3	5.77
200.	198.7	15.224	15.194	34.761	25.746	25.738	42.596	114.9	2.64	46.5	230.3	0.827	1510.4	4.75
220.	218.6	13.889	13.857	34.651	25.948	25.940	42.895	110.5	2.54	43.5	211.3	0.871	1506.3	3.96
240.	238.5	13.024	12.991	34.641	26.117	26.110	43.128	109.0	2.50	42.1	195.4	0.912	1503.8	5.81
260.	258.3	12.215	12.181	34.621	26.261	26.254	43.333	102.4	2.35	38.9	182.0	0.950	1501.4	5.47
280.	278.2	11.662	11.626	34.610	26.358	26.350	43.473	103.7	2.38	39.0	173.0	0.985	1499.8	3.39
300.	298.1	11.039	11.002	34.604	26.467	26.460	43.632	103.0	2.37	38.2	162.8	1.019	1498.0	3.39
fin	302.	300.0	11.011	10.973	34.609	26.476	43.643	104.9	2.41	38.9	162.0	1.022	1497.9	3.44

Vitesse verticale moyenne du son entre 2. et 302. dbar : 1519.8 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

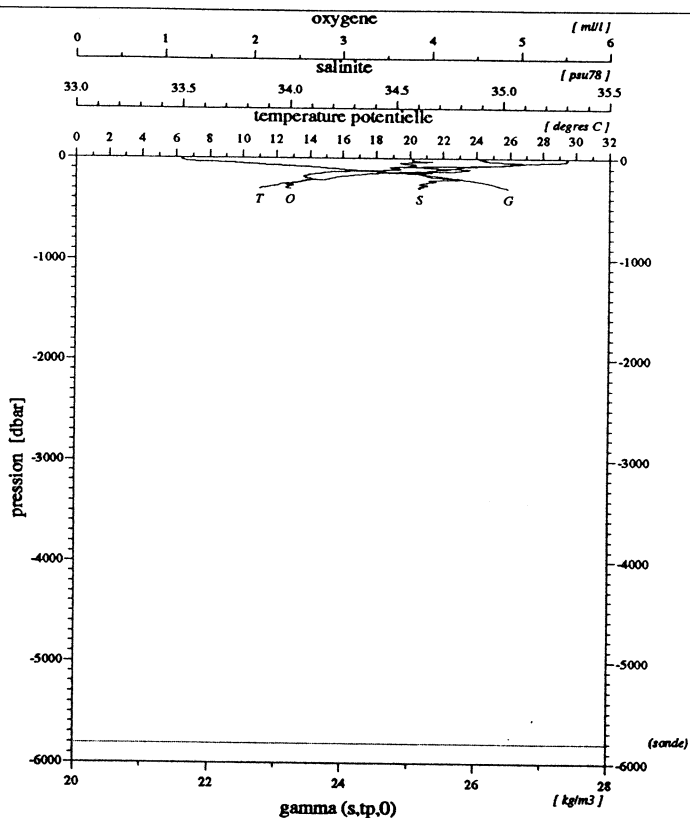


Diagramme salinite / oxygene

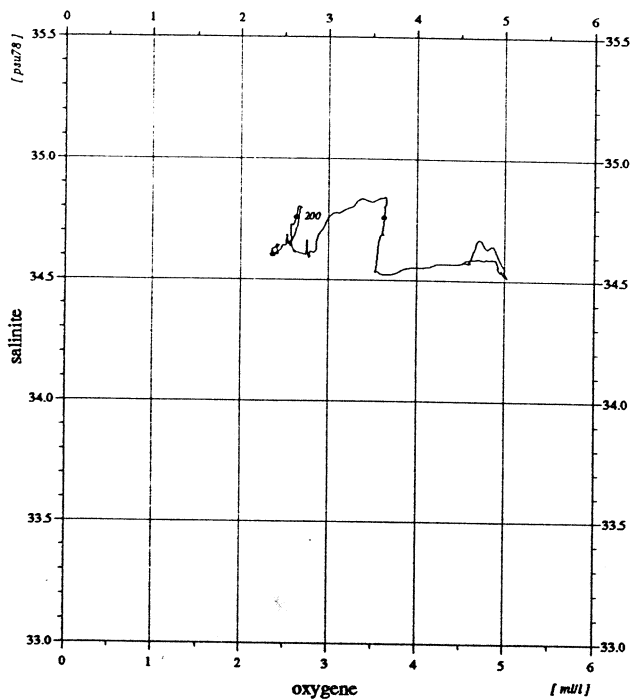


Diagramme temperature potentielle / salinite

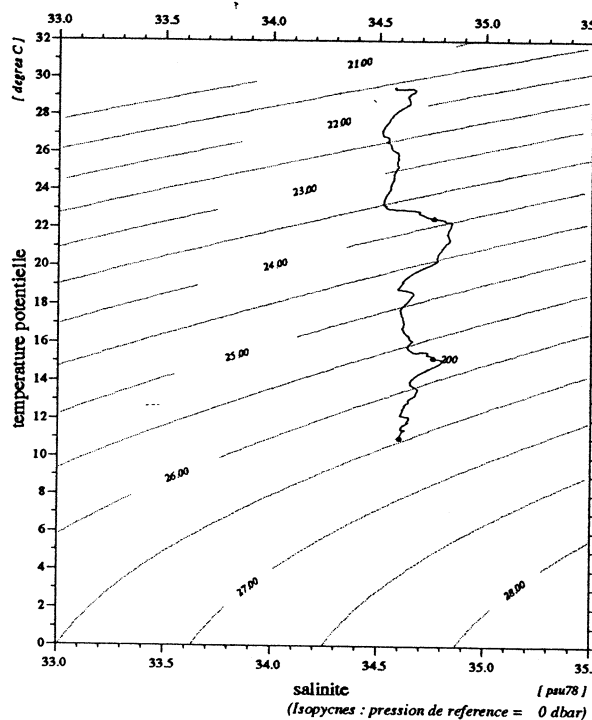
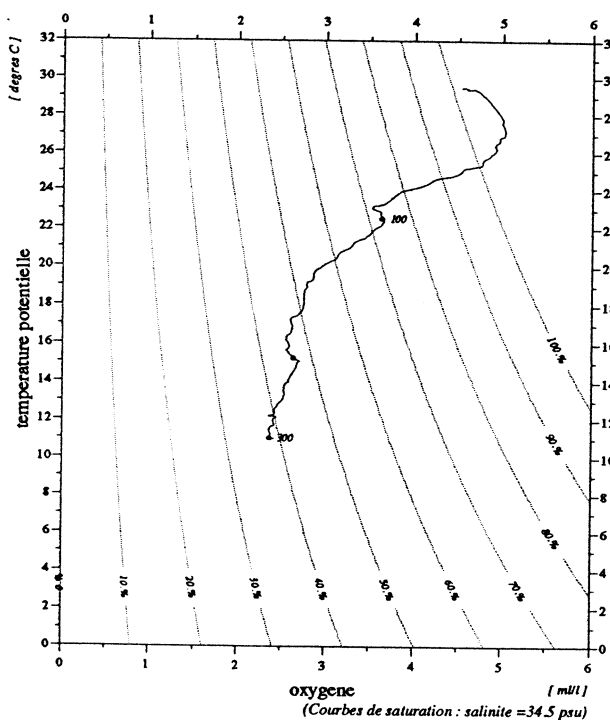


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	302
temperature	29.465	11.011
theta	29.464	10.974
salinite	34.580	34.609
gamma (s, tp, 0)	21.595	26.476
oxygene	4.54	2.41

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01,02/94

sonde 5696 m (5806 dbar)	
26-2-1992	13.26' 4 S
10.29 tu	116.30' 9 E

MD71/JADE2

Station 16.30

94/01/24  
13:38:42

STATION-1711

1

JADE 92

station : 17.11

donnees reduites a 10 dbar

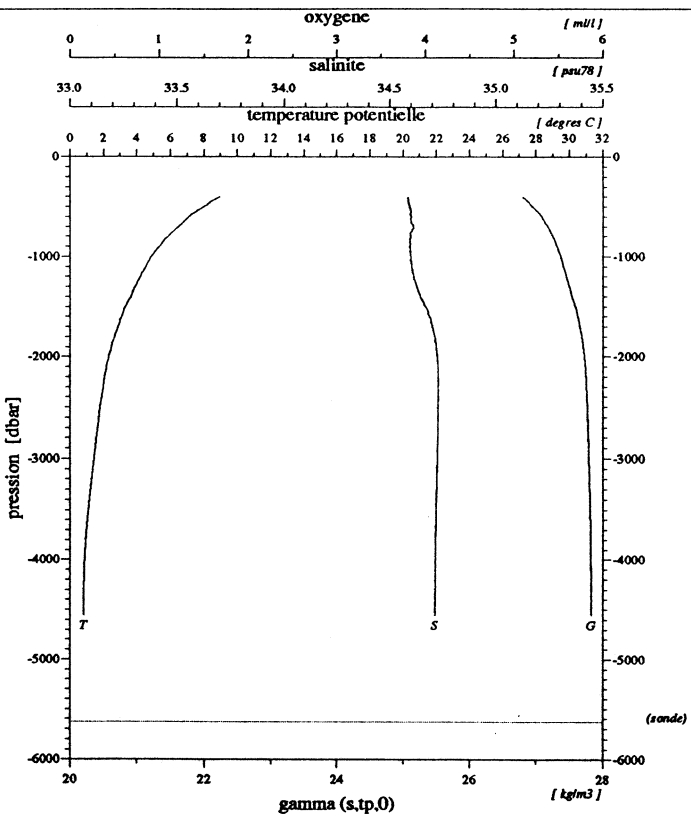
le 26/ 2/1992 a 15.22 tu -12.5818 116.2198 sonde: 5524 m (5629.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
400.	397.3	8.972	8.928	34.585	26.805	26.798	44.141	-9.0	-9.00	-9.0	131.6	0.000	1492.2	0.00
401.	398.3	8.972	8.928	34.587	26.806	26.799	44.142	-9.0	-9.00	-9.0	131.5	0.001	1492.2	2.14
420.	417.2	8.744	8.699	34.587	26.843	26.835	44.198	-9.0	-9.00	-9.0	128.2	0.026	1491.7	1.64
440.	437.0	8.528	8.482	34.588	26.878	26.870	44.251	-9.0	-9.00	-9.0	125.1	0.051	1491.2	2.05
460.	456.8	8.389	8.340	34.592	26.902	26.895	44.288	-9.0	-9.00	-9.0	123.0	0.076	1491.0	3.39
480.	476.7	8.225	8.175	34.595	26.930	26.922	44.330	-9.0	-9.00	-9.0	120.7	0.101	1490.7	2.83
500.	496.5	8.038	7.986	34.594	26.957	26.949	44.374	-9.0	-9.00	-9.0	118.3	0.124	1490.3	1.38
550.	546.1	7.579	7.525	34.598	27.029	27.020	44.486	-9.0	-9.00	-9.0	111.9	0.182	1489.4	0.00
600.	595.7	7.156	7.098	34.604	27.094	27.085	44.589	-9.0	-9.00	-9.0	106.1	0.236	1488.6	4.01
650.	645.2	6.883	6.821	34.603	27.131	27.122	44.651	-9.0	-9.00	-9.0	103.0	0.289	1488.4	1.38
700.	694.8	6.560	6.495	34.609	27.180	27.171	44.730	-9.0	-9.00	-9.0	98.7	0.339	1488.0	1.86
750.	744.3	6.237	6.169	34.604	27.218	27.209	44.798	-9.0	-9.00	-9.0	95.3	0.388	1487.5	2.31
800.	793.9	5.951	5.880	34.598	27.250	27.241	44.857	-9.0	-9.00	-9.0	92.5	0.434	1487.2	1.07
850.	843.4	5.656	5.581	34.596	27.286	27.276	44.921	-9.0	-9.00	-9.0	89.3	0.480	1486.8	0.00
900.	892.9	5.451	5.373	34.591	27.307	27.298	44.963	-9.0	-9.00	-9.0	87.5	0.524	1486.8	0.87
950.	942.4	5.181	5.101	34.598	27.345	27.335	45.026	-9.0	-9.00	-9.0	84.0	0.567	1486.6	1.96
1000.	991.9	4.944	4.861	34.600	27.374	27.364	45.079	-9.0	-9.00	-9.0	81.3	0.608	1486.5	1.07
1100.	1090.8	4.648	4.558	34.604	27.411	27.401	45.145	-9.0	-9.00	-9.0	78.2	0.688	1486.9	1.07
1200.	1189.7	4.315	4.219	34.615	27.457	27.446	45.224	-9.0	-9.00	-9.0	74.1	0.764	1487.2	1.07
1300.	1288.5	4.011	3.909	34.628	27.500	27.489	45.297	-9.0	-9.00	-9.0	70.2	0.836	1487.6	2.40
1400.	1387.3	3.769	3.661	34.643	27.537	27.526	45.359	-9.0	-9.00	-9.0	66.8	0.904	1488.3	1.24
1500.	1486.0	3.433	3.320	34.670	27.592	27.581	45.448	-9.0	-9.00	-9.0	61.4	0.968	1488.6	2.40
1600.	1584.7	3.206	3.087	34.689	27.629	27.618	45.508	-9.0	-9.00	-9.0	57.8	1.028	1489.3	2.31
1700.	1683.4	2.997	2.872	34.700	27.657	27.646	45.558	-9.0	-9.00	-9.0	55.1	1.084	1490.1	0.62
1800.	1782.0	2.804	2.673	34.711	27.684	27.673	45.606	-9.0	-9.00	-9.0	52.5	1.138	1491.0	0.00
1900.	1880.5	2.615	2.478	34.718	27.706	27.694	45.648	-9.0	-9.00	-9.0	50.2	1.189	1491.8	1.24
2000.	1979.0	2.465	2.321	34.724	27.724	27.712	45.682	-9.0	-9.00	-9.0	48.4	1.239	1492.9	1.75
2200.	2175.9	2.220	2.062	34.728	27.749	27.736	45.734	-9.0	-9.00	-9.0	46.0	1.333	1495.2	1.38
2400.	2372.6	2.064	1.891	34.729	27.763	27.749	45.766	-9.0	-9.00	-9.0	44.8	1.424	1497.9	1.38
2600.	2569.1	1.912	1.724	34.728	27.775	27.760	45.796	-9.0	-9.00	-9.0	43.7	1.512	1500.6	0.00
2800.	2765.5	1.774	1.570	34.727	27.786	27.770	45.824	-9.0	-9.00	-9.0	42.6	1.598	1503.4	0.62
3000.	2961.6	1.652	1.432	34.724	27.794	27.778	45.847	-9.0	-9.00	-9.0	41.7	1.683	1506.3	0.00
3200.	3157.6	1.531	1.294	34.721	27.801	27.784	45.869	-9.0	-9.00	-9.0	40.9	1.765	1509.2	0.00
3400.	3353.4	1.411	1.157	34.720	27.810	27.792	45.893	-9.0	-9.00	-9.0	39.8	1.846	1512.1	1.64
3600.	3549.1	1.314	1.042	34.717	27.815	27.796	45.911	-9.0	-9.00	-9.0	39.1	1.925	1515.1	0.00
3800.	3744.5	1.239	0.949	34.716	27.820	27.801	45.927	-9.0	-9.00	-9.0	38.5	2.002	1518.2	0.00
4000.	3939.8	1.191	0.880	34.714	27.824	27.803	45.938	-9.0	-9.00	-9.0	38.2	2.079	1521.4	0.87
4200.	4135.0	1.174	0.842	34.714	27.826	27.804	45.944	-9.0	-9.00	-9.0	38.4	2.156	1524.8	0.00
4400.	4329.9	1.176	0.822	34.714	27.827	27.804	45.948	-9.0	-9.00	-9.0	38.8	2.233	1528.3	0.00
fin	4555.	4480.9	1.183	0.812	34.714	27.828	27.803	45.949	-9.0	-9.00	39.3	2.293	1531.0	1.24

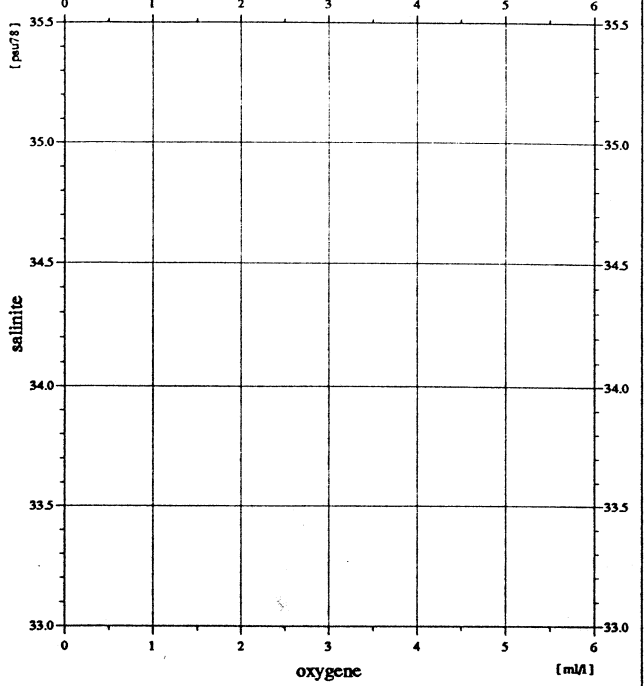
Vitesse verticale moyenne du son entre 400. et 4555. dbar : 1502.3 m/s

Pression de reference pour gamprf : 4000. dbar

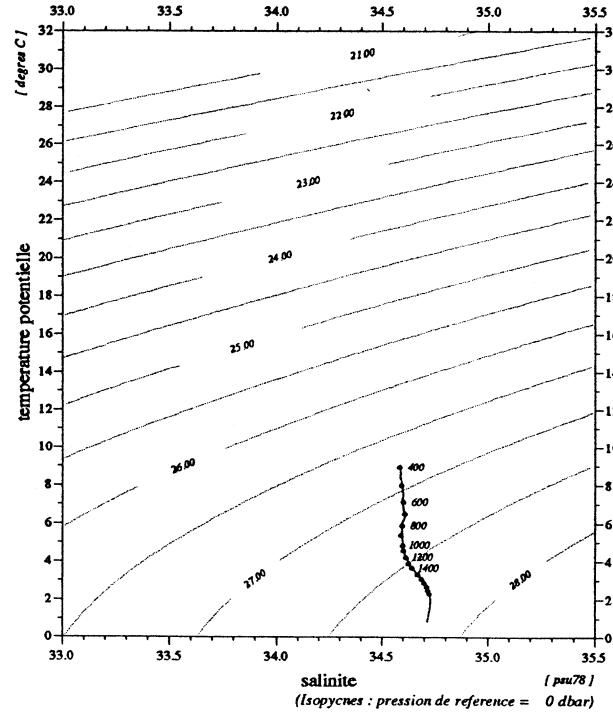
**Profils verticaux**



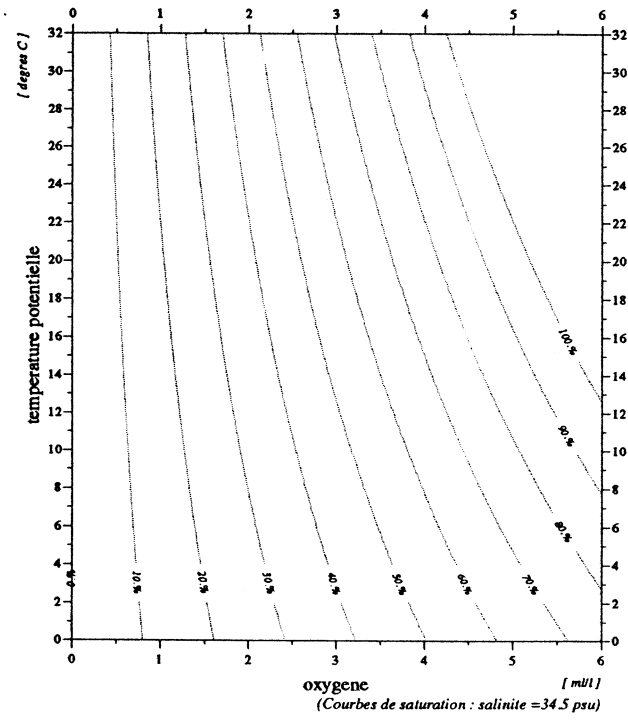
**Diagramme salinite / oxygene**



**Diagramme temperature potentielle / salinite**



**Diagramme temperature potentielle / oxygene**



	debut	fin
pression	400.	4555.
temperature	8.972	1.183
theta	8.928	0.812
salinite	34.585	34.714
gamma (s,tp,0)	26.805	27.828
oxygene	*****	*****

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5524 m (5629 dbar)	
26- 2-1992	12.58' 1 S
15.22 tu	116.21' 9 E

MD71/JADE2

Station 17.11

STATION-1720

JADE 92

station : 17.20

donnees reduites a 10 dbar

le 26/ 2/1992 a 20.06 tu -12.5825 116.2303 sonde: 5524 m (5629.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	ozyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.394	29.394	34.244	21.367	21.365	37.442	197.4	4.51	102.0	642.1	0.000	1543.6	0.00
10.	9.9	29.418	29.416	34.242	21.358	21.355	37.432	196.5	4.49	101.6	643.4	0.051	1543.8	0.00
20.	19.9	29.417	29.412	34.257	21.371	21.367	37.444	196.7	4.50	101.7	642.6	0.116	1544.0	4.07
30.	29.8	28.652	28.645	34.452	21.773	21.769	37.876	203.3	4.65	104.0	604.5	0.179	1542.7	13.50
40.	39.8	27.603	27.594	34.476	22.135	22.130	38.285	207.1	4.74	104.2	570.3	0.238	1540.6	7.24
50.	49.7	26.660	26.648	34.465	22.428	22.422	38.623	208.6	4.78	103.3	542.7	0.293	1538.6	6.82
60.	59.6	25.465	25.452	34.506	22.832	22.826	39.084	194.6	4.46	94.5	504.4	0.346	1536.0	12.82
70.	69.6	24.610	24.595	34.521	23.103	23.097	39.398	173.6	3.98	83.1	478.9	0.395	1534.1	4.64
80.	79.5	23.959	23.943	34.546	23.317	23.310	39.644	155.7	3.57	73.7	458.9	0.442	1532.7	7.40
90.	89.5	22.940	22.922	34.456	23.545	23.538	39.929	141.7	3.25	65.9	437.4	0.487	1530.2	8.04
100.	99.4	22.348	22.328	34.453	23.712	23.705	40.128	134.9	3.09	62.1	421.8	0.529	1528.8	4.88
110.	109.3	21.870	21.848	34.493	23.876	23.869	40.318	128.5	2.94	58.7	406.5	0.571	1527.8	6.64
120.	119.3	21.088	21.065	34.524	24.115	24.108	40.601	119.0	2.73	53.6	384.0	0.610	1525.9	10.42
130.	129.2	20.363	20.339	34.543	24.325	24.317	40.852	116.2	2.67	51.7	364.3	0.648	1524.1	6.67
140.	139.1	19.646	19.620	34.559	24.526	24.518	41.095	114.5	2.63	50.3	345.4	0.683	1522.3	10.04
150.	149.1	18.895	18.869	34.592	24.743	24.736	41.358	113.2	2.60	49.0	324.9	0.717	1520.4	9.89
160.	159.0	17.385	17.358	34.540	25.077	25.070	41.788	112.7	2.59	47.4	293.2	0.748	1516.1	11.09
170.	169.0	16.734	16.707	34.525	25.220	25.212	41.973	108.7	2.49	45.2	279.7	0.776	1514.3	3.66
180.	178.9	16.025	15.997	34.565	25.415	25.408	42.215	108.8	2.50	44.6	261.3	0.803	1512.4	5.77
190.	188.8	15.591	15.562	34.566	25.514	25.506	42.343	109.0	2.50	44.3	252.2	0.829	1511.2	7.66
200.	198.8	15.446	15.416	34.649	25.610	25.602	42.447	109.4	2.51	44.4	243.3	0.854	1511.0	5.43
220.	218.6	14.512	14.479	34.578	25.760	25.752	42.665	109.5	2.52	43.6	229.3	0.901	1508.3	2.63
240.	238.5	13.543	13.509	34.607	25.986	25.978	42.959	107.0	2.46	41.8	208.1	0.944	1505.5	5.32
260.	258.3	12.725	12.689	34.653	26.187	26.179	43.220	108.0	2.48	41.5	189.3	0.984	1503.2	2.84
280.	278.2	11.833	11.796	34.626	26.338	26.330	43.440	105.3	2.42	39.7	175.0	1.020	1500.4	5.60
300.	298.1	11.240	11.202	34.617	26.441	26.434	43.589	102.8	2.36	38.3	165.4	1.054	1498.7	4.01
320.	317.9	10.929	10.889	34.677	26.545	26.537	43.716	108.7	2.50	40.2	155.9	1.086	1498.0	4.55
340.	337.8	10.161	10.121	34.598	26.618	26.610	43.854	103.9	2.39	37.8	148.9	1.117	1495.5	3.71
360.	357.6	9.910	9.868	34.594	26.658	26.650	43.914	100.7	2.32	36.5	145.4	1.146	1494.9	2.90
380.	377.5	9.420	9.377	34.575	26.725	26.717	44.023	98.7	2.27	35.4	139.1	1.174	1493.5	2.84
400.	397.3	9.212	9.168	34.580	26.762	26.755	44.078	97.9	2.25	34.9	135.8	1.202	1493.0	1.38
420.	417.2	8.969	8.923	34.590	26.810	26.802	44.146	98.5	2.27	34.9	131.5	1.229	1492.5	2.90
440.	437.0	8.797	8.750	34.589	26.836	26.828	44.187	98.2	2.26	34.7	129.3	1.255	1492.2	1.86
460.	456.8	8.557	8.508	34.586	26.872	26.864	44.243	96.3	2.21	33.8	126.1	1.280	1491.6	3.33
480.	476.7	8.416	8.366	34.590	26.897	26.889	44.281	95.6	2.20	33.5	123.9	1.305	1491.4	1.52
500.	496.5	8.261	8.208	34.591	26.922	26.913	44.319	93.6	2.15	32.7	121.9	1.330	1491.2	2.31
550.	546.1	7.803	7.747	34.595	26.993	26.985	44.431	89.8	2.06	31.0	115.5	1.389	1490.3	1.24
600.	595.7	7.367	7.308	34.597	27.058	27.050	44.535	90.4	2.08	30.9	109.7	1.446	1489.4	1.38
650.	645.2	6.974	6.911	34.600	27.116	27.107	44.628	90.3	2.08	30.6	104.6	1.499	1488.7	2.31
700.	694.8	6.675	6.609	34.604	27.161	27.151	44.700	90.6	2.08	30.5	100.7	1.551	1488.4	1.75
750.	744.3	6.335	6.266	34.595	27.199	27.190	44.770	90.5	2.08	30.2	97.3	1.600	1487.9	1.24
800.	793.9	5.981	5.909	34.591	27.241	27.232	44.846	92.6	2.13	30.7	93.4	1.648	1487.3	2.47
850.	843.4	5.650	5.576	34.592	27.283	27.274	44.919	94.2	2.17	31.0	89.5	1.694	1486.8	1.96
900.	892.9	5.417	5.340	34.591	27.311	27.302	44.970	95.5	2.20	31.2	87.0	1.738	1486.7	0.62
950.	942.4	5.182	5.102	34.592	27.340	27.331	45.022	96.5	2.22	31.4	84.4	1.781	1486.6	1.24
1000.	991.9	5.032	4.948	34.594	27.359	27.350	45.056	97.2	2.24	31.5	82.9	1.823	1486.8	0.87
1100.	1090.8	4.707	4.617	34.599	27.401	27.391	45.130	99.6	2.29	32.0	79.3	1.904	1487.1	1.24
1200.	1189.7	4.416	4.319	34.606	27.439	27.428	45.196	101.2	2.33	32.3	76.0	1.982	1487.6	0.00
1300.	1288.5	4.078	3.976	34.620	27.487	27.476	45.278	104.5	2.40	33.1	71.6	2.055	1487.9	1.07
1400.	1387.3	3.815	3.707	34.637	27.527	27.516	45.345	109.0	2.51	34.3	67.9	2.125	1488.5	1.38
1500.	1486.0	3.533	3.418	34.658	27.572	27.561	45.419	114.0	2.62	35.6	63.6	2.190	1489.0	1.24
fin	1517.	1502.8	3.476	3.361	34.663	27.582	27.571	45.434	115.0	2.65	62.6	2.201	1489.0	0.00

Vitesse verticale moyenne du son entre 2. et 1517. dbar : 1495.1 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

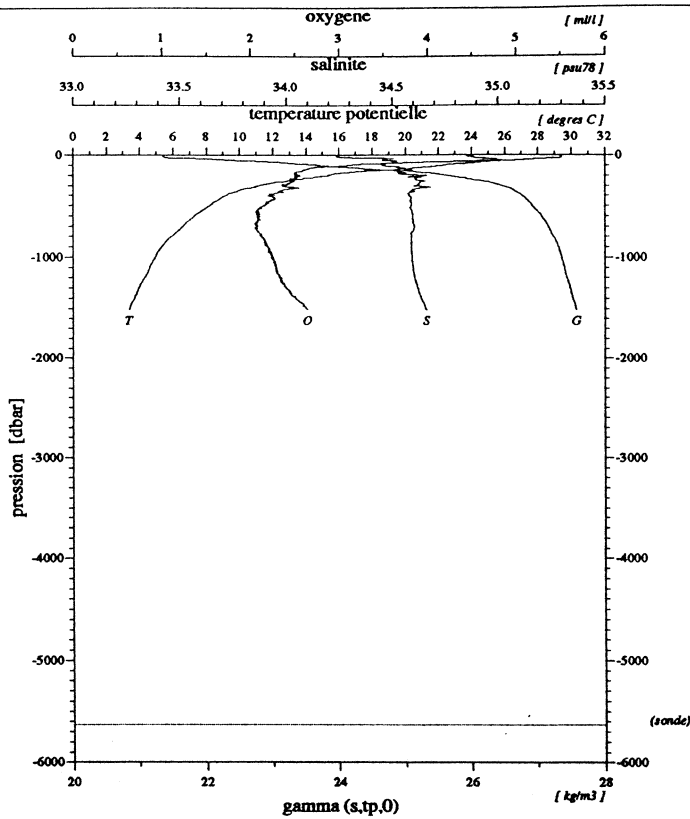


Diagramme salinite / oxygene

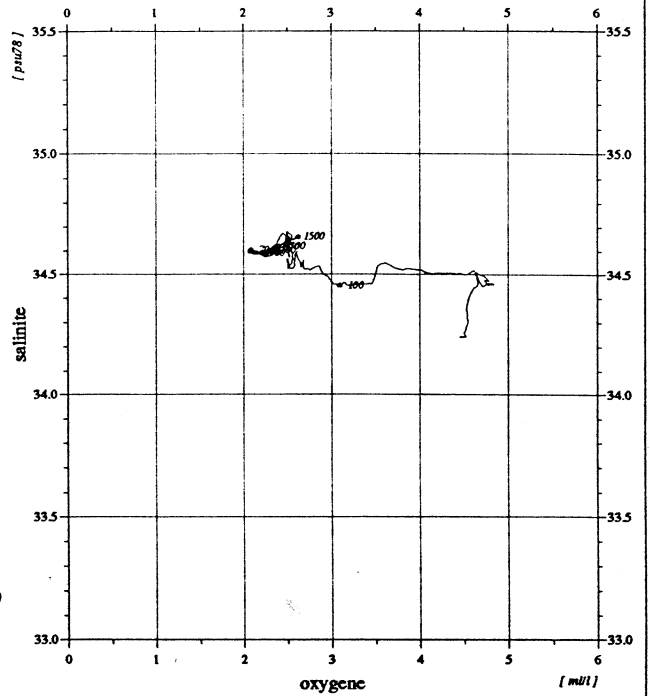


Diagramme temperature potentielle / salinite

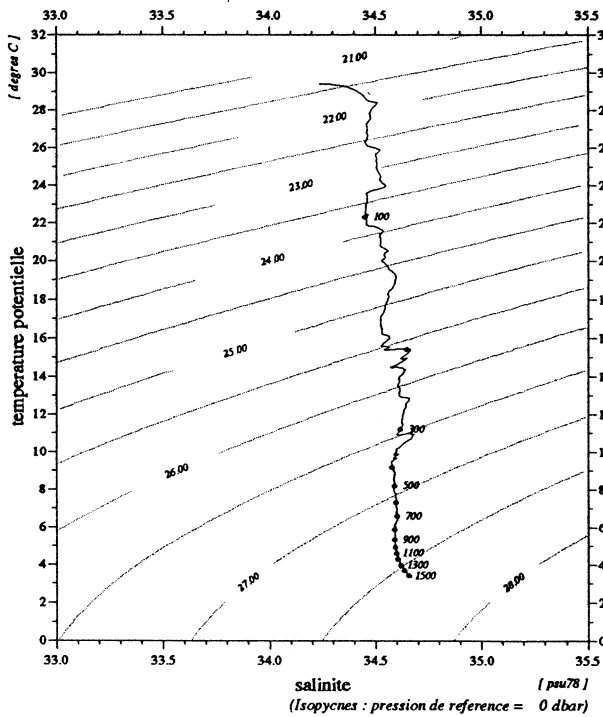
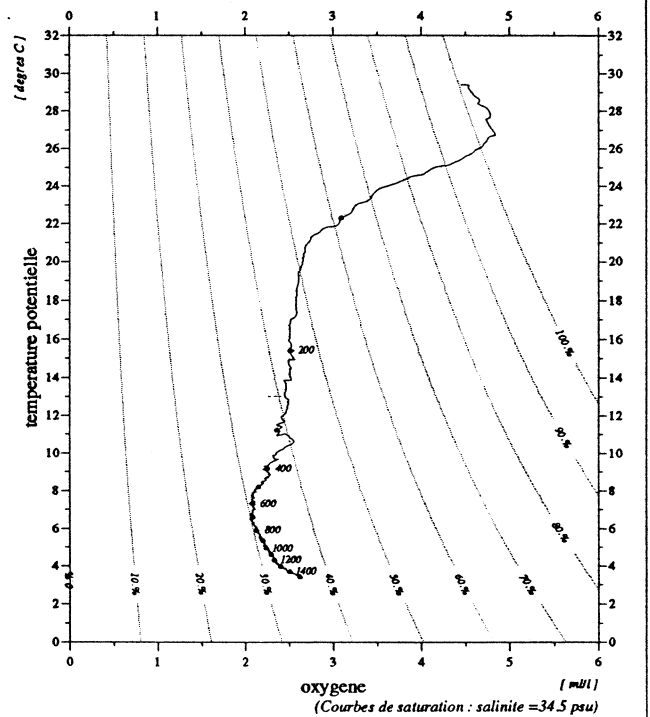


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1517.
temperature	29.394	3.476
theta	29.394	3.361
salinite	34.244	34.663
gamma (s,tp,0)	21.367	27.582
oxygene	4.51	2.65

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5524 m ( 5629 dbar)	
26- 2-1992	12.58' 2 S
20.06 tu	116.23' 0 E

MD71/JADE2

Station 17.20

94/01/24  
13:38:49

STATION-1730

1

JADE 92

station : 17.30

donnees reduites a 10 dbar

le 26/ 2/1992 a 22.12 tu -12.5799 116.2182 sonde: 5524 m (5629.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/Kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
4.	4.0	29.474	29.473	34.352	21.421	21.419	37.490	192.8	4.41	99.8	637.0	0.000	1543.9	0.00
10.	9.9	29.483	29.480	34.352	21.419	21.416	37.487	192.7	4.41	99.8	637.5	0.038	1544.0	0.00
20.	19.9	29.485	29.480	34.355	21.421	21.417	37.489	198.6	4.54	102.9	637.8	0.102	1544.2	0.88
30.	29.8	28.945	28.938	34.468	21.688	21.683	37.777	207.5	4.75	106.6	612.8	0.165	1543.3	14.59
40.	39.8	28.102	28.093	34.453	21.955	21.950	38.083	214.3	4.90	108.6	587.5	0.225	1541.7	10.70
50.	49.7	27.226	27.214	34.470	22.252	22.246	38.420	213.5	4.89	106.7	559.6	0.282	1539.9	9.61
60.	59.6	26.014	26.001	34.516	22.670	22.664	38.895	205.6	4.71	100.8	520.0	0.336	1537.3	8.65
70.	69.6	24.930	24.914	34.509	22.998	22.992	39.277	183.9	4.21	88.5	489.0	0.386	1534.9	8.82
80.	79.5	24.236	24.219	34.518	23.213	23.206	39.527	164.4	3.77	78.2	468.8	0.434	1533.4	5.54
90.	89.5	23.455	23.437	34.473	23.409	23.402	39.765	150.1	3.44	70.4	450.4	0.480	1531.5	9.15
100.	99.4	22.847	22.827	34.450	23.568	23.560	39.957	141.5	3.24	65.7	435.7	0.525	1530.1	9.23
110.	109.3	22.345	22.323	34.494	23.744	23.736	40.160	134.4	3.08	61.9	419.2	0.567	1529.0	9.44
120.	119.3	21.455	21.431	34.550	24.035	24.027	40.499	122.3	2.80	55.5	391.7	0.608	1526.9	5.44
130.	129.2	20.763	20.739	34.559	24.230	24.222	40.733	117.6	2.70	52.7	373.4	0.646	1525.2	9.83
140.	139.1	19.971	19.945	34.559	24.441	24.433	40.991	115.8	2.66	51.2	353.5	0.682	1523.2	9.27
150.	149.1	19.201	19.174	34.597	24.670	24.662	41.265	113.6	2.61	49.5	332.0	0.716	1521.3	9.29
160.	159.0	18.151	18.124	34.546	24.895	24.887	41.557	111.8	2.57	47.7	310.7	0.749	1518.4	7.98
170.	169.0	17.119	17.091	34.523	25.128	25.120	41.857	111.1	2.55	46.5	288.6	0.779	1515.5	6.67
180.	178.9	16.583	16.554	34.527	25.257	25.249	42.020	108.0	2.48	44.8	276.5	0.807	1514.0	7.95
190.	188.8	15.900	15.870	34.543	25.427	25.419	42.236	107.9	2.48	44.1	260.5	0.834	1512.1	7.38
200.	198.8	15.397	15.366	34.530	25.530	25.522	42.374	108.3	2.49	43.9	250.9	0.859	1510.7	3.66
220.	218.6	15.190	15.156	34.635	25.657	25.649	42.513	108.2	2.48	43.7	239.4	0.909	1510.5	3.82
240.	238.5	14.187	14.152	34.599	25.846	25.838	42.773	106.8	2.45	42.3	221.7	0.955	1507.6	4.87
260.	258.3	13.439	13.402	34.603	26.005	25.997	42.987	105.0	2.41	41.0	206.8	0.998	1505.5	5.97
280.	278.2	12.709	12.671	34.650	26.188	26.180	43.223	105.3	2.42	40.4	189.7	1.038	1503.4	2.70
297.	295.1	11.906	11.867	34.585	26.292	26.285	43.390	106.0	2.44	40.0	179.8	1.069	1500.9	4.10

Vitesse verticale moyenne du son entre 4. et 297. dbar : 1521.9 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

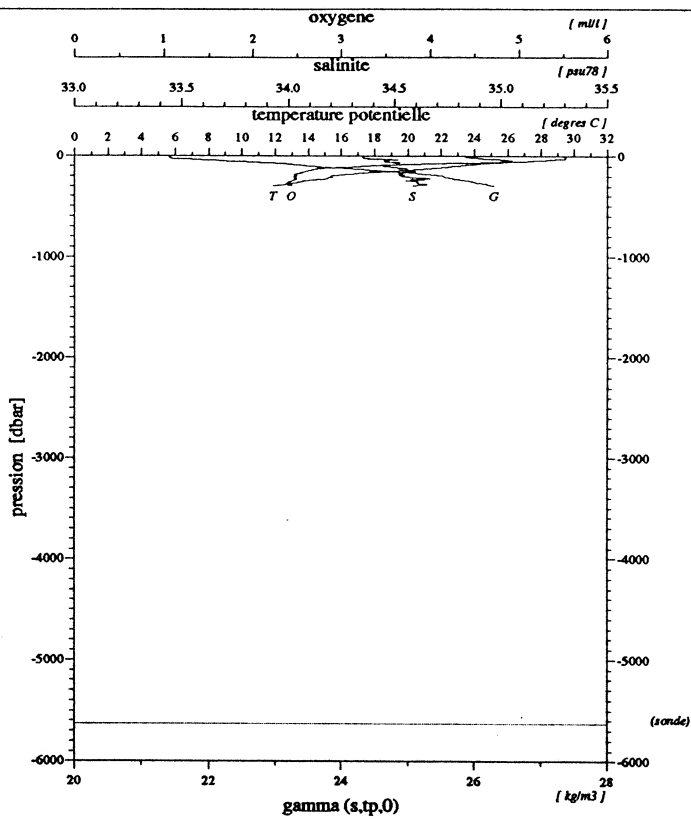


Diagramme salinite / oxygene

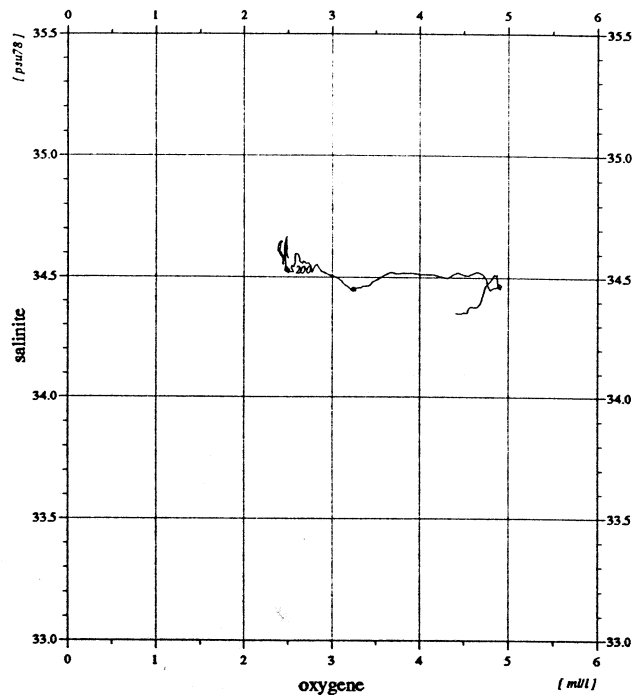


Diagramme temperature potentielle / salinite

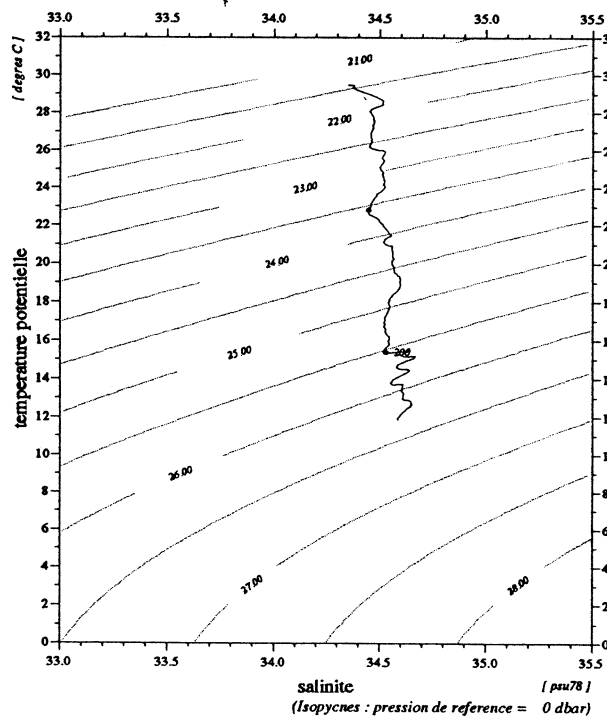
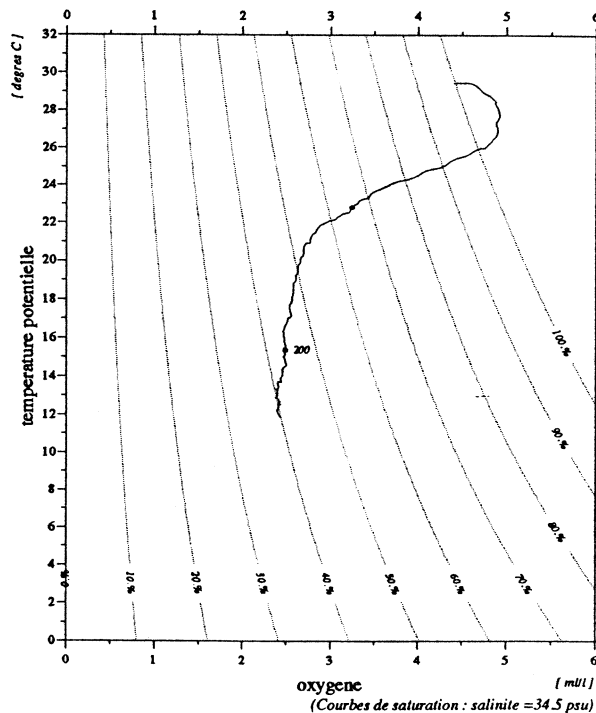


Diagramme temperature potentielle / oxygene



	debut	fin
pression	4.	297.
temperature	29.474	11.906
theta	29.473	11.867
salinite	34.352	34.585
gamma (s,tp,0)	21.421	26.292
oxygene	4.41	2.44

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5524 m (5629 dbar)	
26- 2-1992	12.57° 9 S
22.12 tu	116.21° 8 E

MD71/JADE2

Station 17.30



Profils verticaux

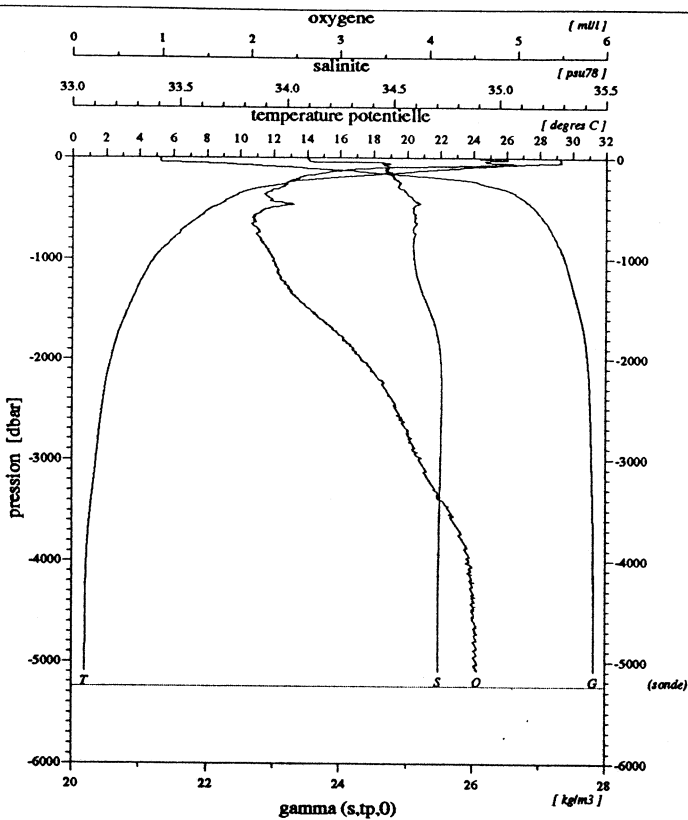


Diagramme salinite / oxygene

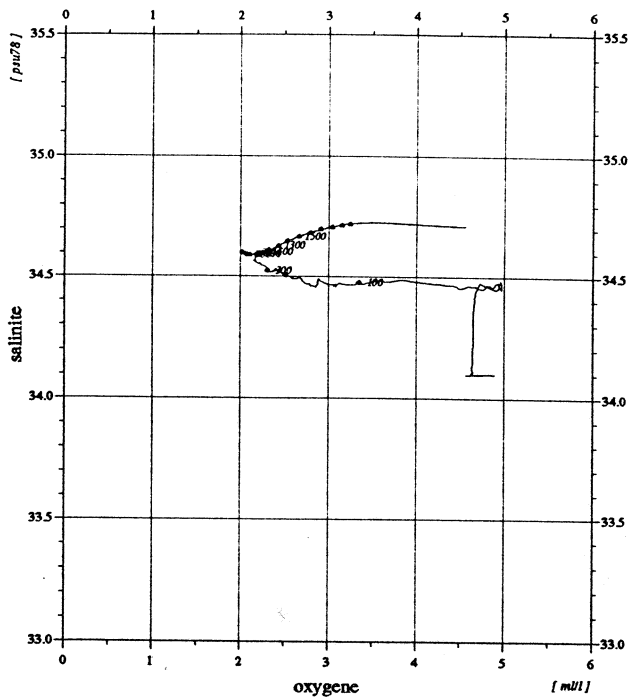


Diagramme temperature potentielle / salinite

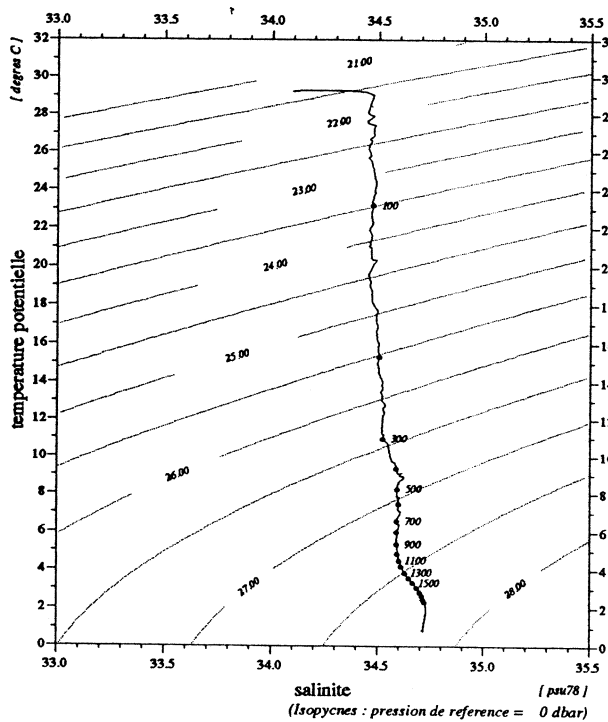
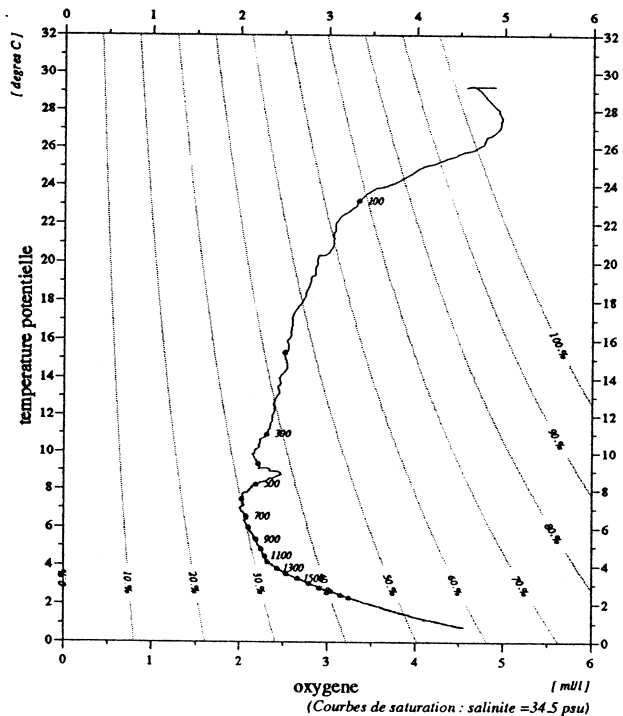


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	5093.
temperature	29.232	1.230
theta	29.231	0.794
salinite	34.099	34.713
gamma (s,tp,0)	21.313	27.828
oxygen	4.58	4.55

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 5146 m (5239 dbar)	
27- 2-1992	12.28' 5 S
7.28 tu	116.12' 6 E

MD71/JADE2

Station 18.10

94/01/24  
13:38:56

STATION-1820

1

JADE 92

station : 18.20

donnees reduites a 10 dbar

le 27/ 2/1992 a 4.14 tu -12.2714 116.1302 sonde: 5191 m (5285.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.239	29.238	34.167	21.361	21.359	37.444	198.8	4.55	102.5	642.7	0.000	1543.2	0.00
10.	9.9	29.249	29.247	34.166	21.358	21.355	37.441	196.4	4.49	101.2	643.4	0.051	1543.3	0.88
20.	19.9	29.262	29.257	34.172	21.359	21.355	37.441	194.9	4.46	100.5	643.8	0.116	1543.5	0.00
30.	29.8	29.264	29.257	34.173	21.359	21.355	37.441	195.7	4.48	100.9	644.2	0.180	1543.7	0.00
40.	39.8	29.301	29.291	34.212	21.377	21.372	37.457	195.0	4.46	100.6	643.0	0.245	1544.0	3.70
50.	49.7	28.093	28.081	34.456	21.961	21.955	38.089	206.4	4.72	104.6	587.5	0.307	1541.8	15.26
60.	59.6	26.612	26.599	34.470	22.448	22.442	38.645	207.5	4.75	102.7	541.2	0.363	1538.6	10.22
70.	69.6	26.098	26.082	34.477	22.615	22.608	38.837	199.6	4.57	98.0	525.7	0.417	1537.6	3.82
80.	79.5	25.226	25.208	34.468	22.878	22.871	39.143	182.7	4.18	88.4	500.9	0.468	1535.7	9.16
90.	89.5	24.257	24.238	34.475	23.175	23.168	39.489	158.9	3.64	75.6	472.9	0.517	1533.5	9.61
100.	99.4	23.598	23.577	34.473	23.368	23.361	39.717	146.8	3.36	69.0	454.8	0.563	1532.1	9.53
110.	109.3	22.878	22.855	34.466	23.572	23.564	39.959	140.6	3.22	65.3	435.7	0.608	1530.4	11.07
120.	119.3	21.593	21.570	34.467	23.934	23.926	40.392	132.9	3.05	60.4	401.4	0.650	1527.2	6.38
130.	129.2	20.931	20.907	34.470	24.117	24.109	40.613	131.7	3.02	59.1	384.2	0.689	1525.6	6.35
140.	139.1	20.198	20.172	34.456	24.303	24.295	40.842	124.6	2.86	55.2	366.7	0.726	1523.7	8.38
150.	149.1	19.226	19.199	34.471	24.567	24.559	41.164	122.5	2.81	53.4	341.7	0.761	1521.2	5.07
160.	159.0	18.318	18.291	34.496	24.815	24.807	41.468	115.7	2.66	49.6	318.3	0.794	1518.8	5.47
170.	169.0	17.397	17.369	34.491	25.037	25.029	41.748	113.0	2.59	47.6	297.3	0.825	1516.3	5.57
180.	178.9	16.678	16.649	34.488	25.205	25.197	41.963	113.1	2.60	47.0	281.5	0.854	1514.3	7.03
190.	188.8	15.833	15.804	34.494	25.404	25.396	42.219	111.0	2.55	45.4	262.6	0.881	1511.8	6.49
200.	198.8	15.011	14.981	34.501	25.592	25.585	42.464	110.4	2.54	44.4	244.8	0.907	1509.4	13.94
220.	218.6	13.949	13.917	34.515	25.830	25.823	42.777	106.6	2.45	42.0	222.4	0.953	1506.4	8.90
240.	238.5	13.021	12.988	34.528	26.030	26.023	43.044	105.3	2.42	40.7	203.7	0.995	1503.7	2.32
260.	258.3	12.443	12.409	34.525	26.142	26.135	43.200	104.6	2.40	40.0	193.3	1.035	1502.1	3.86
280.	278.2	11.608	11.572	34.519	26.297	26.289	43.419	103.1	2.37	38.7	178.8	1.072	1499.5	3.66
300.	298.1	11.019	10.982	34.526	26.410	26.403	43.578	101.7	2.34	37.7	168.2	1.107	1497.8	2.84
320.	317.9	10.616	10.578	34.548	26.500	26.492	43.700	98.2	2.26	36.1	159.9	1.140	1496.8	3.09
340.	337.8	10.177	10.137	34.557	26.583	26.576	43.819	96.6	2.22	35.2	152.2	1.171	1495.5	1.96
360.	357.6	9.909	9.867	34.563	26.634	26.626	43.891	95.5	2.20	34.6	147.7	1.201	1494.9	1.86
380.	377.5	9.625	9.581	34.581	26.695	26.688	43.976	96.7	2.22	34.8	142.1	1.230	1494.2	2.55
400.	397.3	9.270	9.225	34.587	26.759	26.751	44.069	98.6	2.27	35.2	136.2	1.258	1493.3	4.75
420.	417.2	9.124	9.077	34.607	26.798	26.790	44.121	98.0	2.25	34.9	132.8	1.284	1493.1	3.33
440.	437.0	8.824	8.776	34.614	26.851	26.844	44.199	107.5	2.47	38.0	127.9	1.310	1492.3	1.86
460.	456.9	8.400	8.351	34.590	26.899	26.891	44.284	98.1	2.26	34.4	123.4	1.336	1491.0	1.86
480.	476.7	8.149	8.100	34.594	26.940	26.932	44.347	92.4	2.12	32.2	119.6	1.360	1490.4	1.86
500.	496.5	7.951	7.899	34.589	26.966	26.958	44.390	91.9	2.11	31.9	117.3	1.383	1490.0	2.23
550.	546.1	7.606	7.551	34.593	27.021	27.012	44.476	89.6	2.06	30.8	112.7	1.441	1489.5	1.64
600.	595.7	7.179	7.121	34.599	27.086	27.078	44.579	88.9	2.04	30.3	106.8	1.496	1488.7	2.05
650.	645.3	6.843	6.781	34.594	27.130	27.121	44.654	88.5	2.04	29.9	103.1	1.548	1488.2	1.64
700.	694.8	6.508	6.443	34.588	27.170	27.161	44.725	90.8	2.09	30.5	99.6	1.599	1487.7	1.52
750.	744.3	6.176	6.108	34.594	27.218	27.209	44.805	90.6	2.09	30.2	95.2	1.648	1487.3	2.23
800.	793.9	5.875	5.804	34.591	27.255	27.245	44.869	92.3	2.12	30.5	92.0	1.695	1486.9	2.05
850.	843.4	5.622	5.548	34.589	27.284	27.275	44.923	93.9	2.16	30.9	89.3	1.740	1486.7	1.86
900.	892.9	5.321	5.244	34.591	27.323	27.313	44.991	95.6	2.20	31.2	85.8	1.784	1486.3	1.38
950.	942.4	5.090	5.011	34.593	27.351	27.342	45.042	97.2	2.24	31.5	83.2	1.826	1486.2	1.51
1000.	991.9	4.890	4.807	34.595	27.376	27.367	45.086	98.4	2.26	31.8	81.0	1.867	1486.2	0.87
1100.	1090.8	4.556	4.467	34.603	27.420	27.411	45.163	99.6	2.29	31.9	77.1	1.946	1486.5	1.38
1200.	1189.7	4.252	4.156	34.612	27.461	27.451	45.234	101.5	2.34	32.3	73.5	2.021	1486.9	0.00
1300.	1288.5	3.974	3.873	34.627	27.502	27.492	45.304	105.6	2.43	33.4	69.8	2.093	1487.5	1.75
1400.	1387.3	3.700	3.593	34.645	27.546	27.535	45.374	111.3	2.56	34.9	65.8	2.161	1488.0	0.87
1500.	1486.0	3.450	3.337	34.664	27.585	27.574	45.440	115.7	2.66	36.1	62.0	2.225	1488.6	1.38
fin	1519.	1504.8	3.395	3.281	34.668	27.594	27.583	45.454	116.4	2.68	61.2	2.236	1488.7	1.51

Vitesse verticale moyenne du son entre 2. et 1519. dbar : 1494.9 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

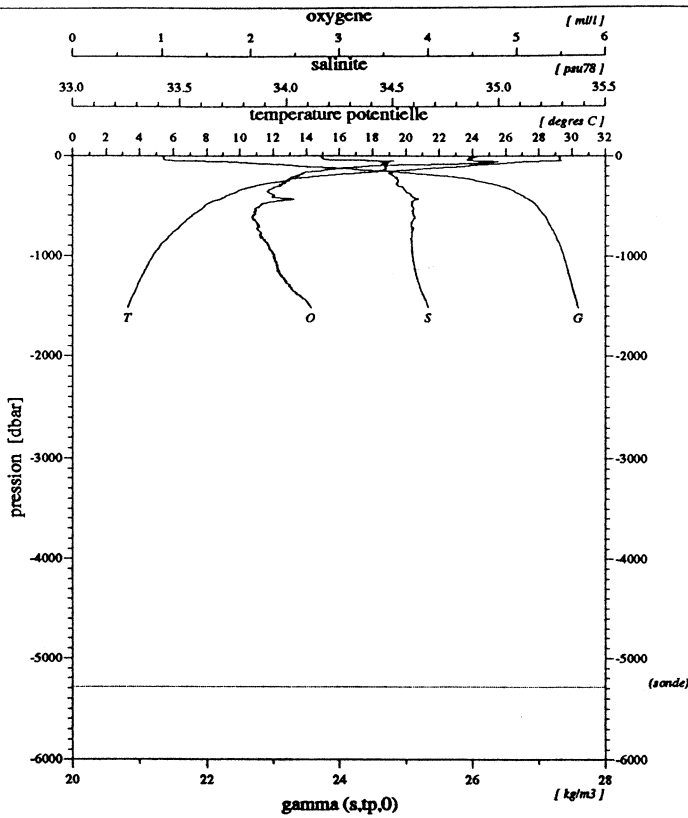


Diagramme salinite / oxygene

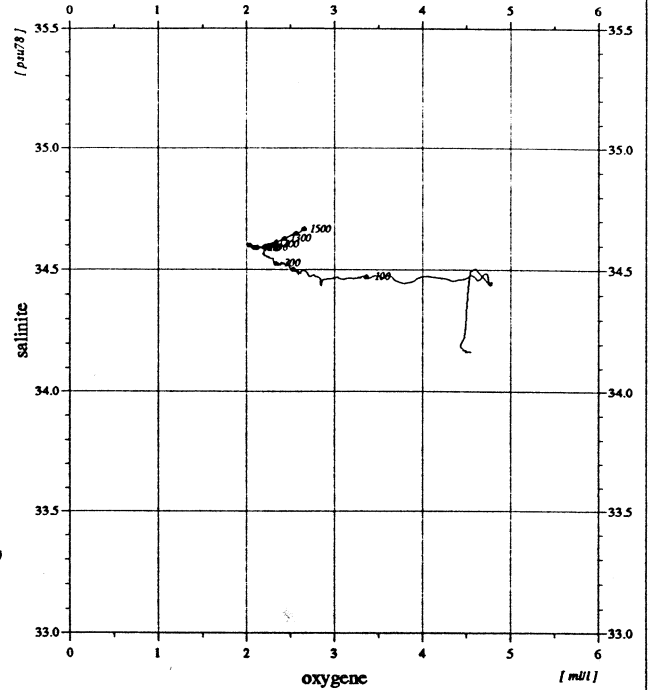


Diagramme temperature potentielle / salinite

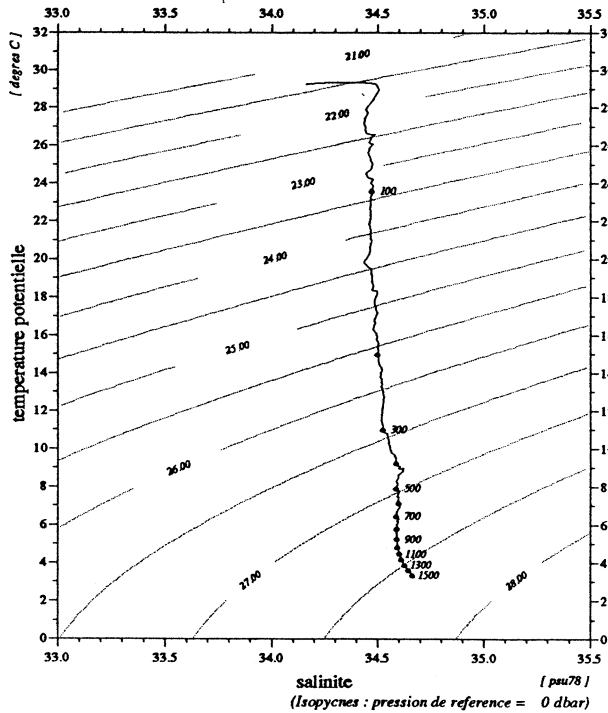
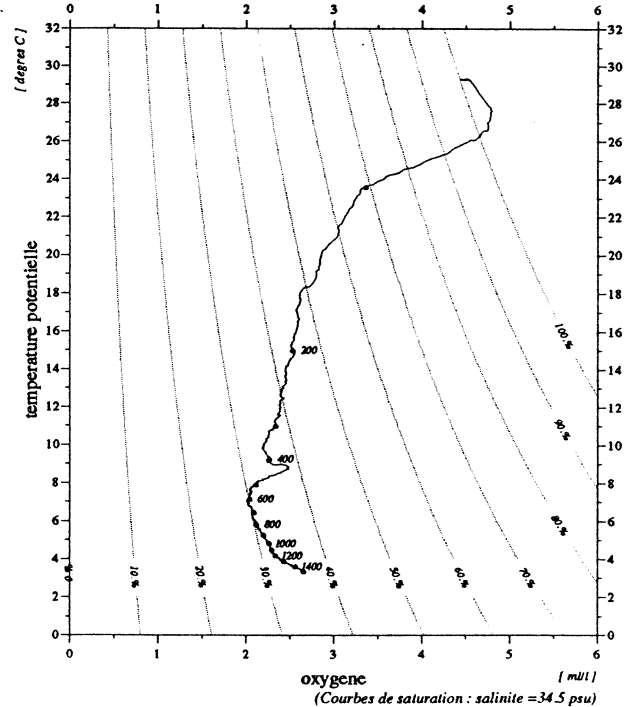


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1519.
temperature	29.239	3.395
theta	29.238	3.281
salinite	34.167	34.668
gamma (s,tp,0)	21.361	27.594
oxygene	4.55	2.68

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5191 m (5285 dbar)	
27- 2-1992	12.27' 1 S
4.14 tu	116.13' 0 E

MD71/JADE2

Station 18.20

94/01/24  
13:38:51

# STATION-1830

1

JADE 92

station : 18.30

donnees reduites a 10 dbar

le 27/ 2/1992 a 1.54 tu -12.2855 116.1262 sonde: 5176 m (5270.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	29.300	29.299	34.211	21.374	21.372	37.453	189.6	4.34	97.8	641.5	0.000	1543.4	0.00
10.	9.9	29.306	29.303	34.212	21.374	21.371	37.453	190.3	4.35	98.2	641.9	0.045	1543.5	0.00
20.	19.9	29.315	29.311	34.217	21.375	21.371	37.454	192.5	4.40	99.3	642.2	0.109	1543.7	0.62
30.	29.8	29.363	29.356	34.278	21.405	21.401	37.481	187.7	4.29	97.0	639.8	0.173	1544.0	5.06
40.	39.8	27.330	27.321	34.455	22.206	22.201	38.370	205.3	4.70	102.8	563.5	0.233	1539.9	19.16
50.	49.7	25.697	25.686	34.459	22.724	22.719	38.966	192.4	4.41	93.8	514.3	0.287	1536.3	11.38
60.	59.6	24.508	24.495	34.439	23.071	23.066	39.373	164.9	3.78	78.8	481.5	0.336	1533.6	7.44
70.	69.6	23.930	23.915	34.472	23.268	23.262	39.599	153.3	3.51	72.5	463.1	0.383	1532.4	6.35
80.	79.5	23.526	23.510	34.475	23.389	23.383	39.741	146.5	3.36	68.8	451.9	0.429	1531.5	4.72
90.	89.5	22.957	22.939	34.460	23.543	23.536	39.926	142.5	3.27	66.3	437.6	0.474	1530.3	9.83
100.	99.4	21.997	21.977	34.455	23.812	23.805	40.247	134.3	3.08	61.5	412.3	0.516	1527.9	8.83
110.	109.3	21.236	21.214	34.463	24.028	24.021	40.506	133.0	3.05	60.1	391.9	0.556	1526.1	10.37
120.	119.3	20.504	20.481	34.459	24.223	24.216	40.744	128.7	2.95	57.3	373.6	0.595	1524.3	10.75
130.	129.2	19.860	19.836	34.459	24.393	24.386	40.952	123.3	2.83	54.3	357.7	0.631	1522.6	7.38
140.	139.1	19.155	19.130	34.457	24.574	24.567	41.176	120.8	2.77	52.5	340.6	0.666	1520.8	8.38
150.	149.1	18.146	18.120	34.475	24.842	24.834	41.505	115.5	2.65	49.3	315.4	0.699	1518.1	6.58
160.	159.0	17.477	17.450	34.495	25.020	25.013	41.726	111.3	2.55	46.9	298.6	0.730	1516.3	6.70
170.	169.0	16.876	16.848	34.500	25.167	25.160	41.912	111.3	2.55	46.4	284.8	0.759	1514.7	5.81
180.	178.9	16.270	16.241	34.488	25.299	25.292	42.084	110.6	2.54	45.6	272.4	0.786	1513.0	8.40
190.	188.8	15.607	15.577	34.500	25.459	25.452	42.289	110.7	2.54	45.0	257.3	0.813	1511.1	7.03
200.	198.8	15.110	15.079	34.500	25.570	25.562	42.434	110.3	2.53	44.4	247.0	0.838	1509.8	9.69
220.	218.6	14.094	14.062	34.520	25.804	25.796	42.740	108.8	2.50	43.0	225.0	0.885	1506.9	6.03
240.	238.5	13.403	13.369	34.520	25.947	25.940	42.933	107.6	2.47	41.9	211.7	0.929	1504.9	8.62
260.	258.3	12.678	12.643	34.519	26.092	26.084	43.132	106.2	2.44	40.8	198.2	0.970	1502.8	3.03
280.	278.2	12.118	12.081	34.523	26.203	26.196	43.286	105.2	2.42	39.9	187.9	1.009	1501.3	5.39
300.	298.1	11.353	11.316	34.517	26.343	26.335	43.485	104.5	2.40	39.0	174.8	1.045	1499.0	3.61

fin  
dernier niveau : 300. dbar

Vitesse verticale moyenne du son entre 3. et 300. dbar : 1519.7 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

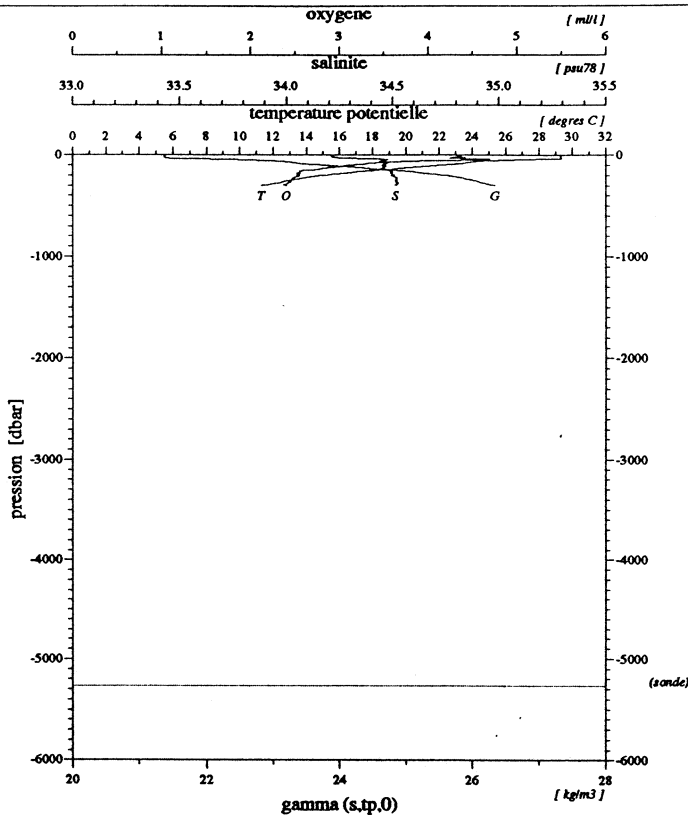


Diagramme salinite / oxygene

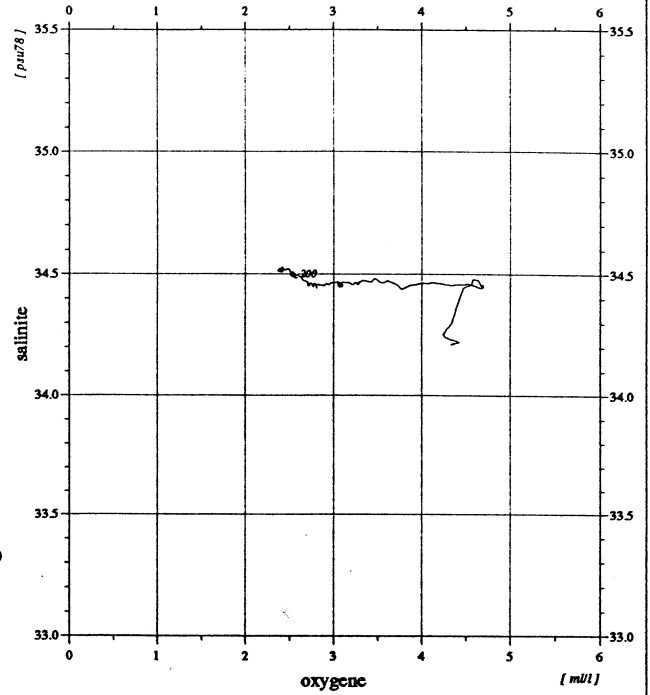


Diagramme temperature potentielle / salinite

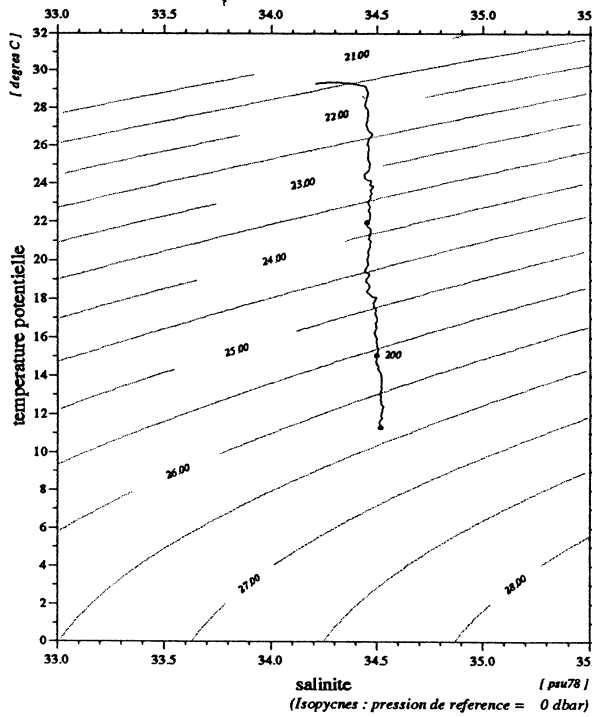
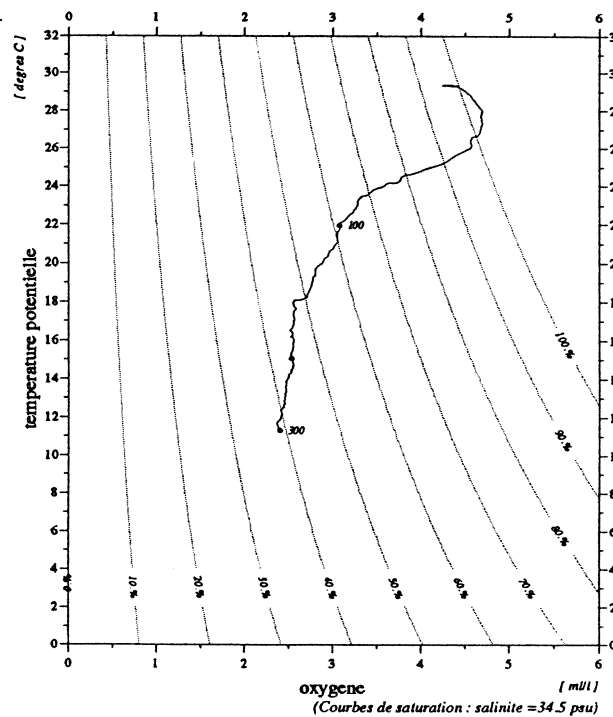


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	300.
temperature	29.300	11.353
theta	29.299	11.316
salinite	34.211	34.517
gamma (s,tp,0)	21.374	26.342
oxygene	4.34	2.40

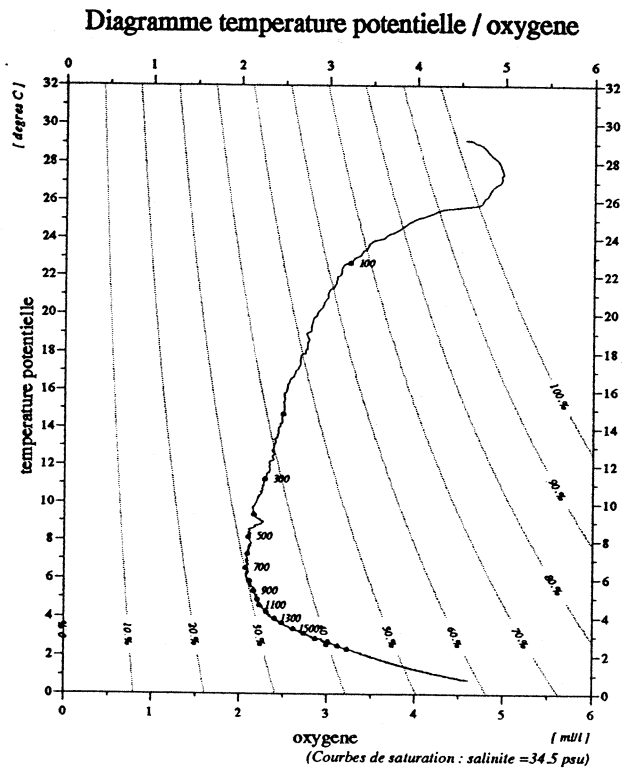
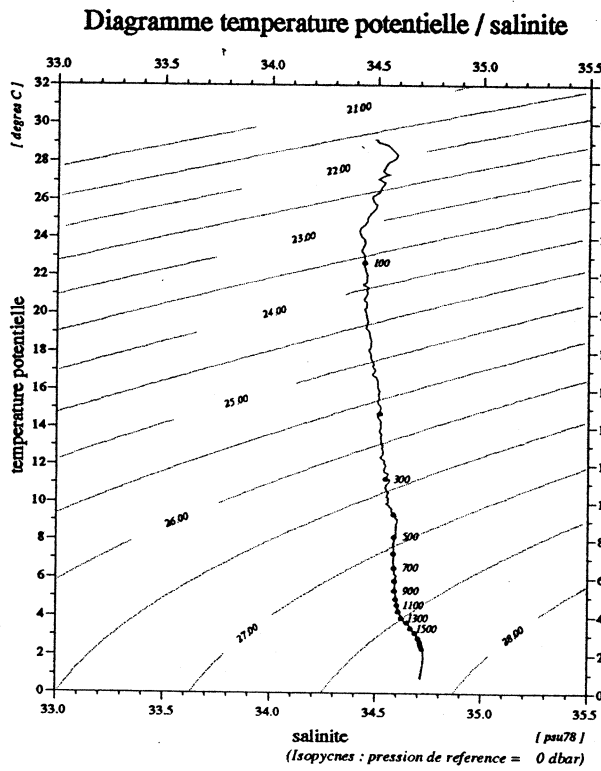
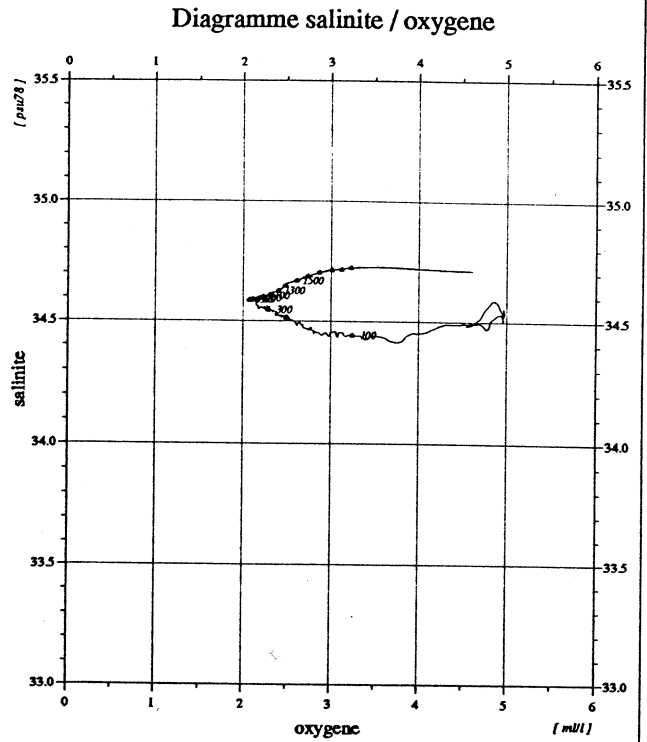
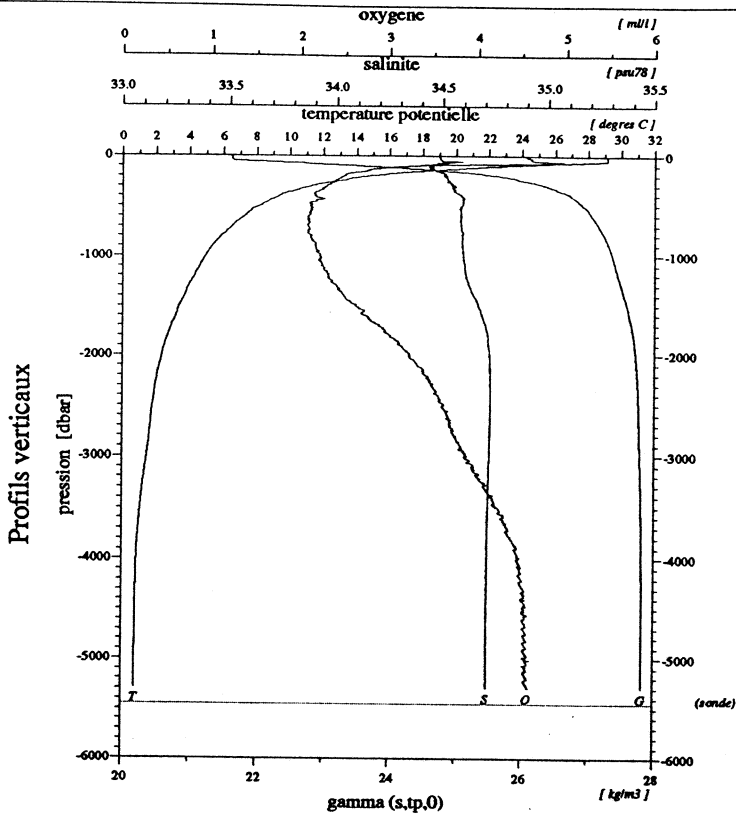
Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5176 m (5270 dbar)	
27- 2-1992	12.28' 5 S
1.54 tu	116.12' 6 E

MD71/JADE2

Station 18.30





	debut	fin
pression	3.	5296.
temperature	29.158	1.255
theta	29.157	0.793
salinite	34.484	34.714
gamma (s, tp, 0)	21.627	27.829
oxygene	4.56	4.58

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5354 m (5453 dbar)	
27- 2-1992	11.58' 9 S
14.26 tu	116. 4' 7 E

MD71/JADE2

Station 19.10

94/01/24  
13:39:41

STATION-1920

1

JADE 92

station : 19.20

donnees reduites a 10 dbar

le 27/ 2/1992 a 18.46 tu -11.5951 116.0443 sonde: 5339 m (5438.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.082	29.082	34.490	21.656	21.653	37.739	196.1	4.49	101.0	614.4	0.000	1543.2	0.00
10.	9.9	29.110	29.108	34.493	21.650	21.647	37.732	196.8	4.50	101.4	615.4	0.049	1543.4	0.62
20.	19.9	29.118	29.113	34.497	21.651	21.647	37.733	197.6	4.52	101.8	615.8	0.111	1543.6	0.98
30.	29.8	29.130	29.122	34.505	21.654	21.649	37.735	196.8	4.50	101.5	616.0	0.172	1543.8	0.00
40.	39.8	29.135	29.125	34.513	21.659	21.653	37.740	198.7	4.55	102.4	616.0	0.234	1544.0	1.07
50.	49.7	29.124	29.112	34.514	21.664	21.658	37.745	200.9	4.60	103.6	615.9	0.296	1544.1	1.32
60.	59.6	27.589	27.575	34.554	22.200	22.193	38.349	212.2	4.86	106.8	565.1	0.355	1541.0	9.18
70.	69.6	25.988	25.973	34.492	22.661	22.654	38.887	208.0	4.76	101.9	521.3	0.410	1537.4	14.96
80.	79.5	24.961	24.944	34.466	22.956	22.949	39.235	177.6	4.07	85.5	493.4	0.461	1535.1	11.46
90.	89.5	23.962	23.943	34.412	23.215	23.207	39.545	157.6	3.61	74.6	469.1	0.509	1532.7	8.82
100.	99.4	23.321	23.301	34.434	23.419	23.412	39.783	145.4	3.33	68.1	449.9	0.555	1531.3	7.45
110.	109.3	22.444	22.421	34.439	23.675	23.667	40.086	138.6	3.18	63.9	425.8	0.598	1529.2	10.44
120.	119.3	21.365	21.342	34.459	23.990	23.982	40.461	132.4	3.04	59.9	396.0	0.639	1526.6	3.56
130.	129.2	20.456	20.432	34.451	24.230	24.222	40.754	126.9	2.91	56.5	373.3	0.678	1524.3	10.60
140.	139.2	19.399	19.373	34.451	24.508	24.500	41.094	123.1	2.82	53.8	347.1	0.714	1521.5	13.08
150.	149.1	18.607	18.581	34.468	24.721	24.713	41.356	120.6	2.77	51.9	326.9	0.748	1519.4	6.81
160.	159.0	17.858	17.830	34.468	24.907	24.900	41.590	121.9	2.80	51.8	309.4	0.780	1517.4	8.05
170.	169.0	17.167	17.139	34.490	25.091	25.083	41.817	115.4	2.65	48.4	292.1	0.810	1515.6	6.16
180.	178.9	16.588	16.559	34.508	25.241	25.234	42.005	111.6	2.56	46.2	278.0	0.838	1514.0	9.12
190.	188.8	16.155	16.125	34.506	25.340	25.332	42.133	110.1	2.53	45.3	268.8	0.866	1512.8	4.59
200.	198.8	15.551	15.520	34.493	25.467	25.459	42.301	111.1	2.55	45.1	256.9	0.892	1511.1	8.31
220.	218.6	14.376	14.344	34.512	25.738	25.730	42.654	108.1	2.48	42.9	231.4	0.940	1507.8	4.91
240.	238.5	13.557	13.524	34.520	25.916	25.908	42.891	105.9	2.43	41.4	214.7	0.985	1505.4	4.67
260.	258.4	12.560	12.525	34.536	26.128	26.121	43.177	103.4	2.38	39.6	194.7	1.025	1502.5	3.39
280.	278.2	11.987	11.950	34.547	26.248	26.240	43.340	100.5	2.31	38.0	183.6	1.063	1500.9	2.90
300.	298.1	11.288	11.251	34.546	26.377	26.370	43.524	100.1	2.30	37.3	171.5	1.099	1498.8	6.43
320.	317.9	10.700	10.661	34.552	26.488	26.480	43.681	96.9	2.23	35.7	161.1	1.132	1497.1	3.91
340.	337.8	10.205	10.165	34.558	26.579	26.571	43.812	96.4	2.21	35.1	152.6	1.163	1495.6	3.71
360.	357.6	9.811	9.770	34.569	26.655	26.648	43.921	94.3	2.17	34.1	145.6	1.193	1494.6	1.64
380.	377.5	9.423	9.381	34.580	26.728	26.721	44.026	93.7	2.15	33.6	138.8	1.221	1493.5	2.05
400.	397.3	9.191	9.147	34.592	26.776	26.768	44.092	96.0	2.21	34.2	134.6	1.249	1493.0	2.55
420.	417.2	8.922	8.877	34.592	26.818	26.811	44.158	95.6	2.20	33.9	130.7	1.275	1492.3	2.47
440.	437.0	8.645	8.598	34.596	26.866	26.858	44.229	92.1	2.12	32.4	126.4	1.301	1491.6	2.14
460.	456.9	8.423	8.375	34.596	26.900	26.892	44.283	90.4	2.08	31.7	123.3	1.326	1491.1	0.00
480.	476.7	8.188	8.138	34.584	26.927	26.919	44.330	91.3	2.10	31.8	120.9	1.350	1490.6	1.64
500.	496.5	7.964	7.913	34.586	26.962	26.954	44.385	92.5	2.13	32.1	117.8	1.374	1490.1	1.64
550.	546.1	7.627	7.571	34.585	27.011	27.003	44.465	92.2	2.12	31.7	113.6	1.432	1489.6	2.14
600.	595.7	7.149	7.091	34.587	27.081	27.072	44.577	90.5	2.08	30.8	107.3	1.487	1488.6	1.52
650.	645.3	6.728	6.667	34.586	27.138	27.130	44.673	91.8	2.11	30.9	102.1	1.539	1487.8	1.38
700.	694.8	6.431	6.367	34.587	27.179	27.170	44.742	91.6	2.11	30.7	98.6	1.589	1487.4	0.62
750.	744.4	6.179	6.111	34.599	27.222	27.213	44.808	90.6	2.08	30.2	94.9	1.638	1487.3	1.64
800.	793.9	5.826	5.756	34.594	27.263	27.254	44.882	91.4	2.10	30.2	91.1	1.684	1486.7	0.87
850.	843.4	5.498	5.425	34.591	27.301	27.292	44.951	94.3	2.17	30.9	87.6	1.729	1486.2	2.31
900.	892.9	5.273	5.196	34.595	27.331	27.322	45.004	94.8	2.18	30.9	84.9	1.772	1486.1	1.24
950.	942.4	5.058	4.979	34.596	27.358	27.349	45.051	95.9	2.21	31.1	82.5	1.814	1486.1	0.87
1000.	991.9	4.806	4.724	34.601	27.390	27.381	45.108	97.2	2.24	31.3	79.5	1.854	1485.9	1.38
1100.	1090.8	4.480	4.391	34.607	27.432	27.422	45.183	99.8	2.30	31.9	75.8	1.932	1486.2	1.86
1200.	1189.7	4.233	4.138	34.616	27.466	27.456	45.241	101.5	2.33	32.2	73.0	2.007	1486.9	0.87
1300.	1288.5	3.954	3.853	34.631	27.508	27.498	45.311	105.5	2.43	33.3	69.2	2.078	1487.4	1.64
1400.	1387.3	3.656	3.549	34.658	27.560	27.549	45.393	109.4	2.52	34.3	64.3	2.145	1487.8	1.64
1500.	1486.1	3.389	3.277	34.676	27.600	27.590	45.461	116.4	2.68	36.2	60.4	2.207	1488.4	1.24
fin	1518.	1503.8	3.360	3.246	34.680	27.607	27.596	45.470	116.8	2.69	59.8	2.218	1488.6	0.62

Vitesse verticale moyenne du son entre 2. et 1518. dbar : 1494.8 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

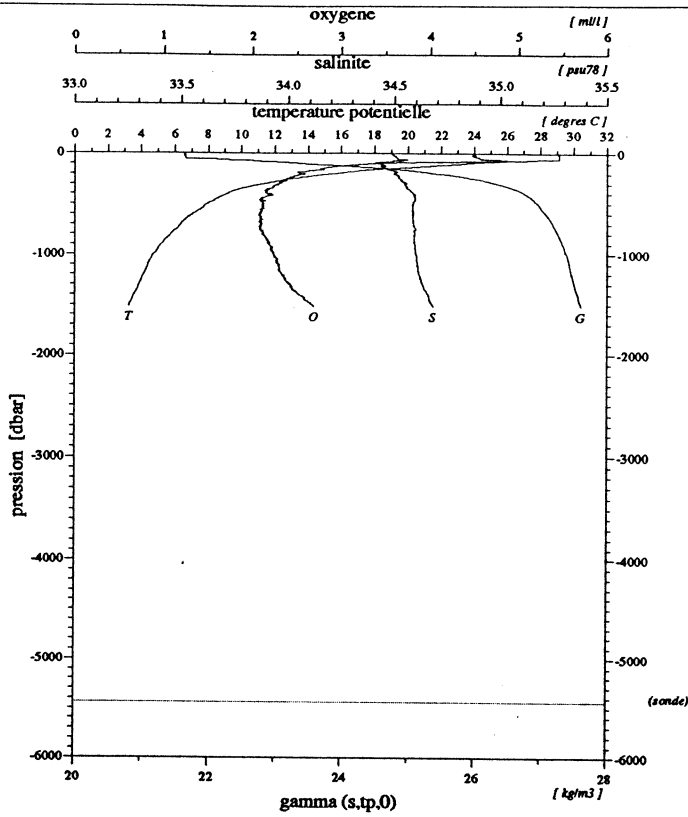


Diagramme salinite / oxygene

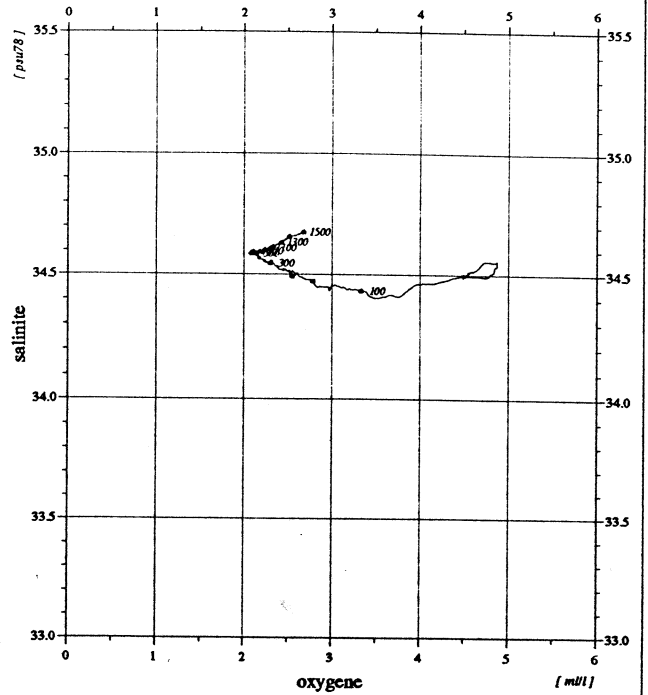


Diagramme temperature potentielle / salinite

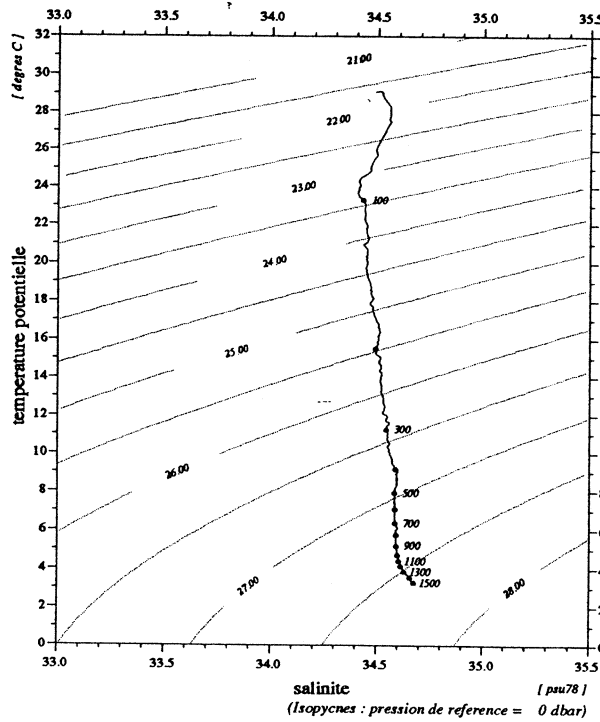
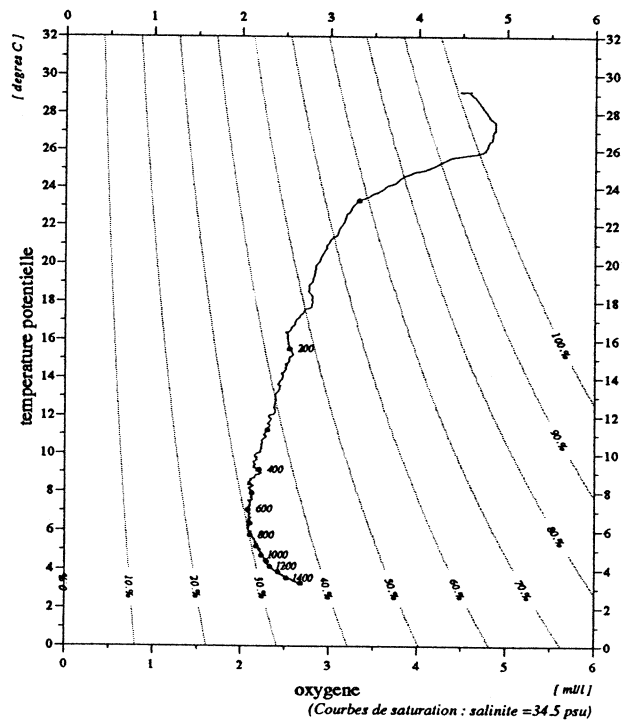


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1518.
temperature	29.082	3.360
theta	29.082	3.246
salinite	34.490	34.680
gamma (s,tp,0)	21.656	27.607
oxygene	4.49	2.69

Niveaux reduits a 1 dbar  
Bathysonde : NEE-BROWN type Mark III no 01-1116  
01/02/94

sonde 5339 m (5438 dbar)	
27- 2-1992	11.59' 5 S
18.46 tu	116.4' 4 E

MD71/JADE2

Station 19.20

94/01/24  
13:39:43

STATION-1930

1

JADE 92

station : 19.30

donnees reduites a 10 dbar

le 27/ 2/1992 a 21.05 tu -11.5874 116.0451 sonde: 5362 m (5462.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
1.	1.0	29.135	29.135	34.515	21.657	21.655	37.738	196.5	4.49	101.3	614.3	0.000	1543.3	0.00
10.	9.9	29.148	29.145	34.516	21.654	21.651	37.734	194.8	4.46	100.5	615.0	0.055	1543.5	1.39
20.	19.9	29.141	29.136	34.512	21.654	21.651	37.735	196.8	4.50	101.5	615.4	0.117	1543.6	0.00
30.	29.8	29.164	29.156	34.522	21.655	21.650	37.734	196.5	4.50	101.4	615.9	0.178	1543.9	0.62
40.	39.8	29.163	29.154	34.519	21.654	21.648	37.733	196.5	4.49	101.3	616.5	0.240	1544.0	0.00
50.	49.7	28.735	28.723	34.489	21.775	21.769	37.874	201.0	4.60	102.9	605.3	0.302	1543.2	12.75
60.	59.6	26.670	26.656	34.511	22.460	22.454	38.654	209.2	4.79	103.6	540.1	0.358	1538.8	14.47
70.	69.6	25.363	25.347	34.489	22.851	22.845	39.109	189.2	4.33	91.7	503.0	0.411	1535.9	8.33
80.	79.5	24.319	24.302	34.445	23.133	23.126	39.445	164.6	3.77	78.4	476.4	0.459	1533.5	8.80
90.	89.5	23.207	23.189	34.430	23.449	23.442	39.819	147.0	3.37	68.7	446.6	0.505	1530.9	10.87
100.	99.4	22.081	22.062	34.446	23.781	23.774	40.212	138.4	3.17	63.4	415.2	0.548	1528.1	8.05
110.	109.3	21.097	21.076	34.455	24.060	24.053	40.546	132.5	3.04	59.7	388.9	0.588	1525.7	6.90
120.	119.3	20.377	20.354	34.443	24.245	24.238	40.773	128.3	2.94	57.0	371.5	0.626	1523.9	7.66
130.	129.2	19.141	19.118	34.454	24.575	24.568	41.178	123.6	2.84	53.7	340.2	0.662	1520.6	8.12
140.	139.2	18.512	18.487	34.475	24.751	24.744	41.391	122.9	2.82	52.8	323.7	0.695	1519.0	10.36
150.	149.1	17.481	17.456	34.483	25.009	25.002	41.715	120.6	2.77	50.9	299.3	0.727	1516.2	7.86
160.	159.0	16.911	16.885	34.501	25.160	25.152	41.902	114.8	2.64	47.9	285.2	0.756	1514.6	9.04
170.	169.0	16.420	16.392	34.518	25.288	25.281	42.062	111.7	2.57	46.2	273.2	0.784	1513.3	4.20
180.	178.9	16.142	16.114	34.512	25.347	25.339	42.140	110.6	2.54	45.5	267.8	0.811	1512.7	4.42
190.	188.8	15.753	15.723	34.508	25.433	25.426	42.253	110.2	2.53	45.0	259.8	0.837	1511.6	4.83
200.	198.8	15.314	15.283	34.499	25.524	25.517	42.375	112.9	2.59	45.6	251.3	0.863	1510.4	4.46
220.	218.6	14.282	14.250	34.519	25.764	25.756	42.686	109.1	2.51	43.2	228.9	0.911	1507.5	4.91
240.	238.5	13.598	13.564	34.523	25.909	25.902	42.881	107.0	2.46	41.8	215.3	0.955	1505.6	3.03
260.	258.4	12.757	12.722	34.532	26.086	26.079	43.120	104.8	2.41	40.3	198.8	0.997	1503.1	3.27
280.	278.2	12.052	12.015	34.542	26.231	26.223	43.318	102.7	2.36	38.9	185.2	1.035	1501.1	5.87
300.	298.1	11.321	11.283	34.547	26.372	26.364	43.516	100.9	2.32	37.6	172.0	1.071	1498.9	5.80
fin	305.	303.0	11.172	11.134	34.552	26.403	43.558	101.8	2.34	37.9	169.1	1.079	1498.5	2.55

Vitesse verticale moyenne du son entre 1. et 305. dbar : 1520.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

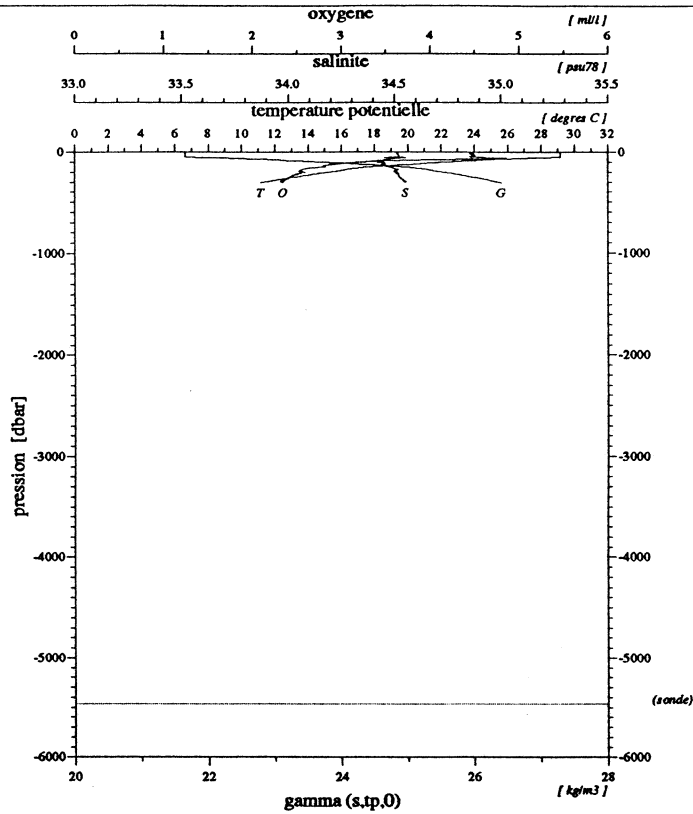


Diagramme salinite / oxygene

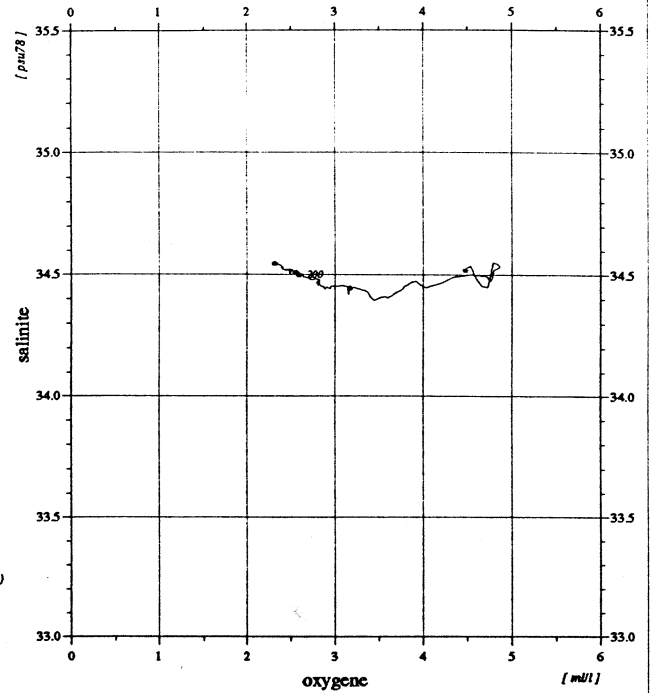


Diagramme temperature potentielle / salinite

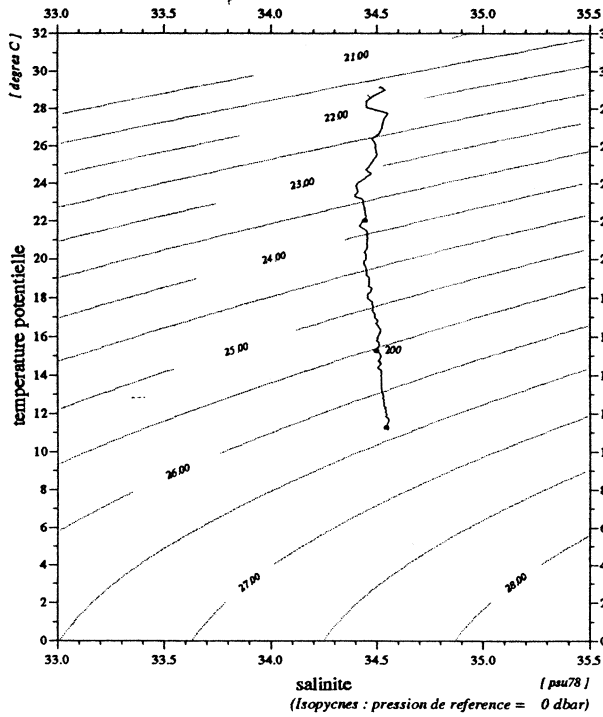
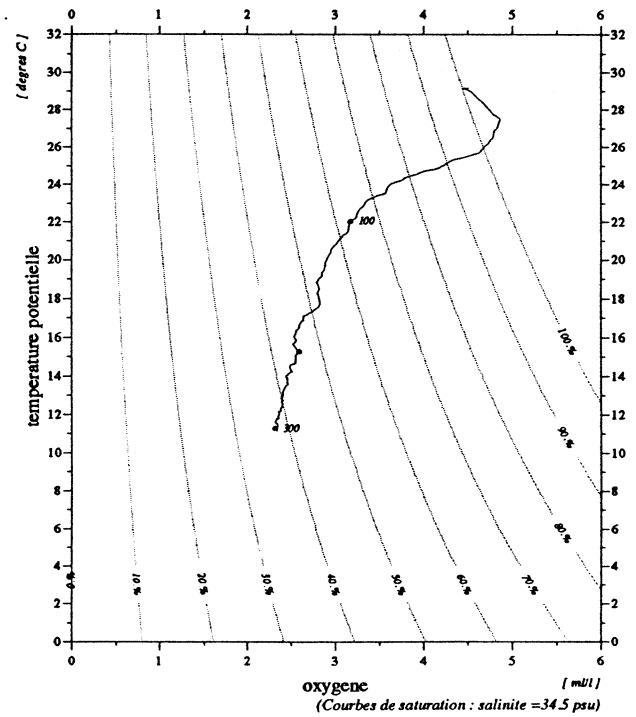


Diagramme temperature potentielle / oxygene



	debut	fin
pression	1.	305.
temperature	29.135	11.172
theta	29.135	11.134
salinite	34.515	34.552
gamma (s,tp,0)	21.657	26.403
oxygene	4.49	2.34

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 5362 m ( 5462 dbar)	
27- 2-1992	11.58' 7 S
21.05 tu	116. 4' 5 E

MD71/JADE2

Station 19.30





Profils verticaux

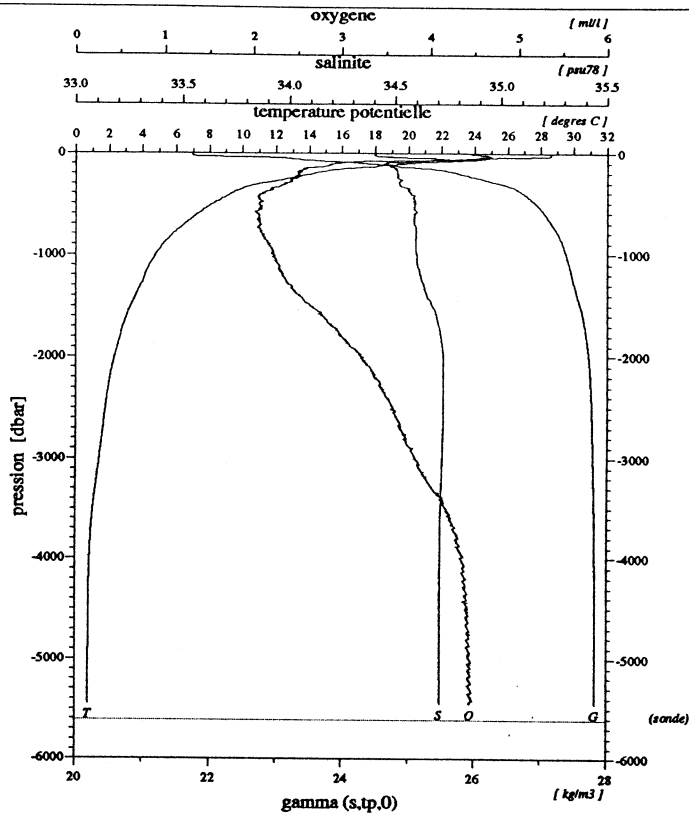


Diagramme salinite / oxygene

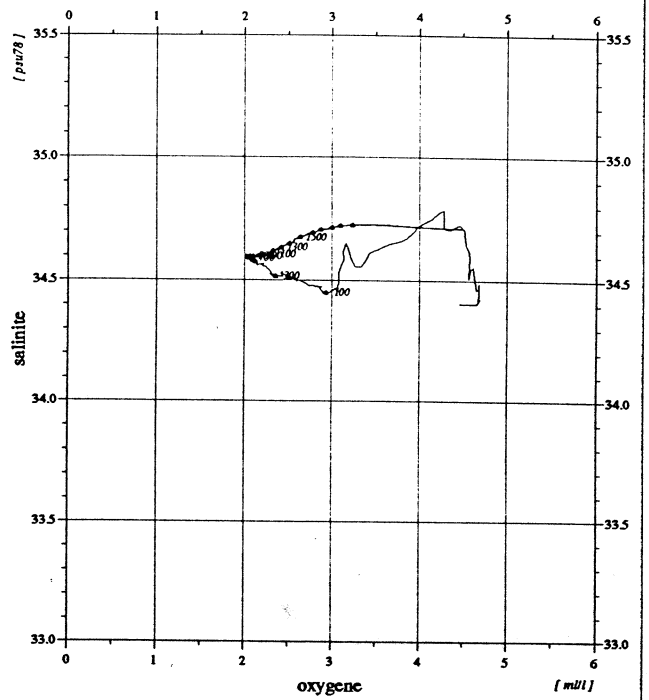


Diagramme temperature potentielle / salinite

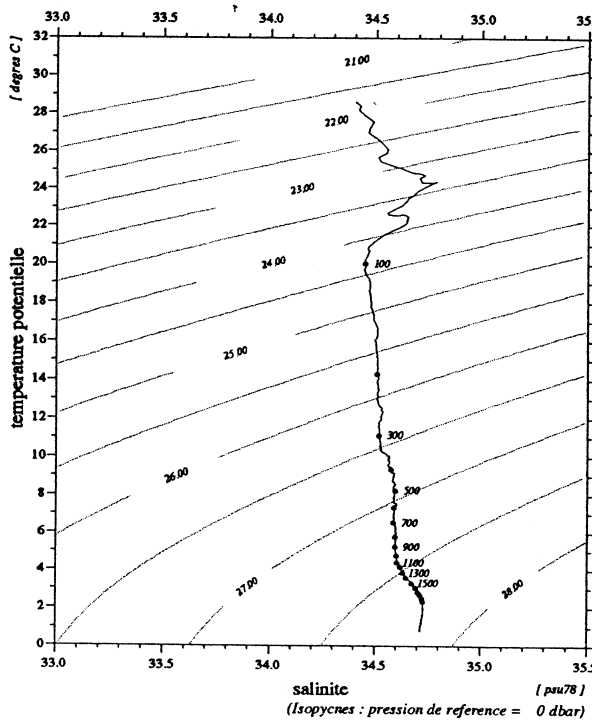
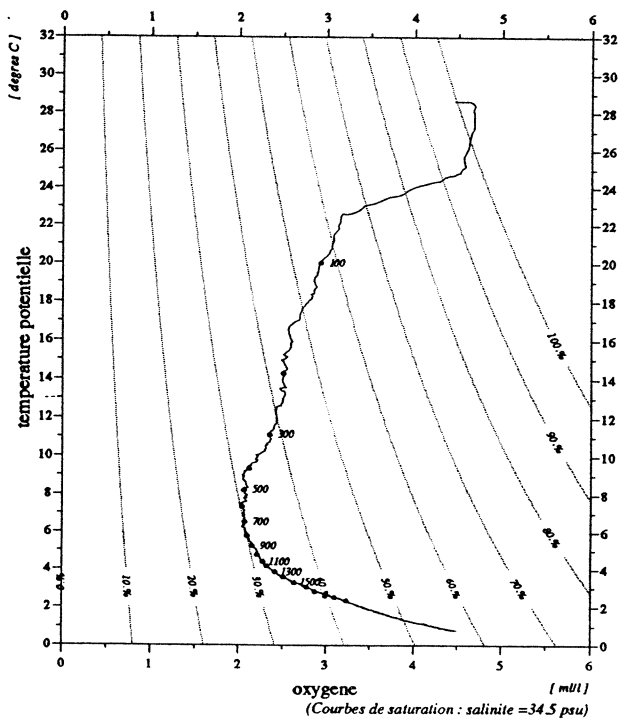


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	5452.
temperature	28.624	1.276
theta	28.624	0.793
salinite	34.407	34.714
gamma (s,tp,0)	21.746	27.829
oxygene	4.47	4.46

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5508 m ( 5612 dbar)	
29- 2-1992	11.30' 1 S
2.31 tu	115.56' 9 E

MD71/JADE2

Station 20.10

94/01/24  
13:40:09

STATION-2020

1

JADE 92

station : 20.20

donnees reduites a 10 dbar

le 29/ 2/1992 a 7.01 tu -11.2882 115.5777 sonde: 5847 m (5962.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
1.	1.0	28.707	28.707	34.450	21.751	21.748	37.851	199.5	4.56	102.1	605.3	0.000	1542.3	0.00
10.	9.9	28.715	28.712	34.467	21.762	21.758	37.861	197.8	4.53	101.3	604.7	0.054	1542.5	0.88
20.	19.9	28.707	28.702	34.467	21.766	21.762	37.866	199.4	4.56	102.1	604.8	0.115	1542.6	3.28
30.	29.8	28.111	28.104	34.487	21.977	21.973	38.104	201.5	4.61	102.2	585.0	0.175	1541.5	12.33
40.	39.8	24.776	24.767	34.781	23.248	23.244	39.528	200.3	4.59	96.3	463.8	0.226	1534.3	8.23
50.	49.7	24.355	24.344	34.769	23.366	23.361	39.668	188.2	4.31	89.9	452.9	0.272	1533.4	5.31
60.	59.6	23.327	23.314	34.678	23.600	23.595	39.958	161.8	3.71	75.9	430.9	0.317	1530.9	7.93
70.	69.6	22.739	22.725	34.576	23.693	23.687	40.085	144.6	3.31	67.1	422.5	0.360	1529.5	7.66
80.	79.5	22.094	22.078	34.661	23.940	23.934	40.365	142.0	3.26	65.2	399.3	0.401	1528.1	9.68
90.	89.5	20.597	20.581	34.467	24.202	24.197	40.717	131.8	3.02	58.8	374.4	0.439	1524.0	4.29
100.	99.4	19.570	19.552	34.458	24.466	24.460	41.042	126.6	2.90	55.5	349.5	0.475	1521.3	13.37
110.	109.3	18.656	18.636	34.474	24.713	24.707	41.344	126.0	2.89	54.3	326.3	0.509	1518.9	7.98
120.	119.3	18.154	18.133	34.477	24.840	24.833	41.502	123.7	2.84	52.8	314.5	0.541	1517.6	4.11
130.	129.2	17.874	17.852	34.479	24.911	24.904	41.591	118.2	2.71	50.2	308.0	0.573	1517.0	4.63
140.	139.2	16.975	16.952	34.498	25.141	25.135	41.880	114.4	2.63	47.8	286.2	0.602	1514.5	4.67
150.	149.1	16.753	16.729	34.508	25.202	25.195	41.954	110.4	2.53	45.9	280.8	0.631	1514.0	1.75
160.	159.0	16.284	16.259	34.520	25.320	25.313	42.103	108.6	2.49	44.8	269.8	0.658	1512.8	4.33
170.	169.0	15.739	15.713	34.503	25.432	25.425	42.252	109.6	2.52	44.7	259.3	0.685	1511.2	6.22
180.	178.9	15.250	15.223	34.505	25.542	25.535	42.396	109.0	2.50	44.0	249.0	0.710	1509.9	5.18
190.	188.8	14.430	14.402	34.507	25.722	25.715	42.633	109.0	2.50	43.3	232.0	0.734	1507.4	5.64
200.	198.8	14.116	14.087	34.513	25.793	25.786	42.727	107.4	2.47	42.4	225.4	0.757	1506.6	4.95
220.	218.6	13.347	13.316	34.511	25.951	25.944	42.941	106.8	2.45	41.5	210.7	0.801	1504.4	4.11
240.	238.5	12.405	12.373	34.519	26.145	26.138	43.205	105.3	2.42	40.2	192.5	0.841	1501.6	7.24
260.	258.4	12.044	12.010	34.543	26.233	26.225	43.320	104.5	2.40	39.6	184.5	0.879	1500.7	4.38
280.	278.2	11.418	11.383	34.522	26.334	26.327	43.471	102.0	2.35	38.1	175.1	0.915	1498.9	2.70
300.	298.1	10.975	10.938	34.521	26.414	26.407	43.586	99.2	2.28	36.7	167.8	0.949	1497.7	2.84
320.	317.9	10.563	10.524	34.522	26.489	26.481	43.694	99.7	2.29	36.6	160.9	0.982	1496.5	4.87
340.	337.8	10.149	10.109	34.543	26.577	26.570	43.816	97.0	2.23	35.3	152.7	1.013	1495.4	5.57
360.	357.6	9.713	9.672	34.555	26.660	26.653	43.934	94.4	2.17	34.0	145.0	1.043	1494.2	0.87
380.	377.5	9.400	9.357	34.571	26.725	26.717	44.024	91.1	2.10	32.6	139.1	1.072	1493.4	2.62
400.	397.3	8.963	8.919	34.585	26.806	26.799	44.143	87.9	2.02	31.2	131.5	1.099	1492.1	4.15
420.	417.2	8.739	8.694	34.593	26.848	26.841	44.204	88.6	2.04	31.3	127.7	1.125	1491.6	1.64
440.	437.0	8.420	8.374	34.588	26.894	26.886	44.277	90.7	2.09	31.8	123.5	1.150	1490.8	2.55
460.	456.9	8.183	8.136	34.592	26.933	26.926	44.337	88.6	2.04	30.9	119.9	1.174	1490.2	2.90
480.	476.7	7.970	7.921	34.589	26.963	26.955	44.385	89.9	2.07	31.2	117.3	1.198	1489.8	3.15
500.	496.5	7.724	7.674	34.587	26.998	26.990	44.442	91.4	2.10	31.5	114.1	1.221	1489.1	1.96
550.	546.1	7.353	7.299	34.593	27.057	27.049	44.534	88.6	2.04	30.3	109.0	1.276	1488.6	2.70
600.	595.7	6.926	6.869	34.587	27.111	27.103	44.628	89.9	2.07	30.4	104.1	1.330	1487.7	0.62
650.	645.3	6.561	6.500	34.590	27.164	27.156	44.714	89.4	2.06	30.0	99.4	1.380	1487.1	1.52
700.	694.8	6.315	6.251	34.597	27.202	27.194	44.775	90.2	2.07	30.1	96.2	1.429	1487.0	2.23
750.	744.4	6.065	5.998	34.597	27.235	27.226	44.831	88.9	2.04	29.5	93.4	1.477	1486.8	0.62
800.	793.9	5.803	5.733	34.599	27.269	27.260	44.891	91.4	2.10	30.2	90.4	1.523	1486.6	0.00
850.	843.4	5.531	5.457	34.598	27.302	27.293	44.950	92.4	2.13	30.3	87.5	1.567	1486.3	1.75
900.	892.9	5.273	5.197	34.597	27.333	27.324	45.005	93.2	2.14	30.4	84.7	1.610	1486.1	1.07
950.	942.4	5.140	5.060	34.596	27.348	27.339	45.034	94.2	2.17	30.6	83.6	1.652	1486.4	0.62
1000.	991.9	4.942	4.859	34.600	27.375	27.365	45.079	95.9	2.20	31.0	81.3	1.693	1486.4	0.87
1100.	1090.8	4.567	4.478	34.607	27.422	27.412	45.164	98.0	2.26	31.4	77.0	1.772	1486.6	0.00
1200.	1189.7	4.306	4.210	34.618	27.461	27.450	45.229	100.3	2.31	31.9	73.7	1.848	1487.2	0.62
1300.	1288.6	4.055	3.953	34.634	27.500	27.489	45.293	103.8	2.39	32.8	70.3	1.920	1487.8	0.00
1400.	1387.4	3.718	3.611	34.647	27.545	27.535	45.373	108.8	2.50	34.1	65.8	1.988	1488.1	0.00
1500.	1486.1	3.428	3.315	34.675	27.596	27.585	45.452	114.7	2.64	35.8	61.0	2.051	1488.6	1.24
fin	1518.	1503.9	3.395	3.281	34.678	27.602	27.591	115.7	2.66	36.0	60.5	2.062	1488.7	1.24

Vitesse verticale moyenne du son entre 1. et 1518. dbar : 1493.7 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

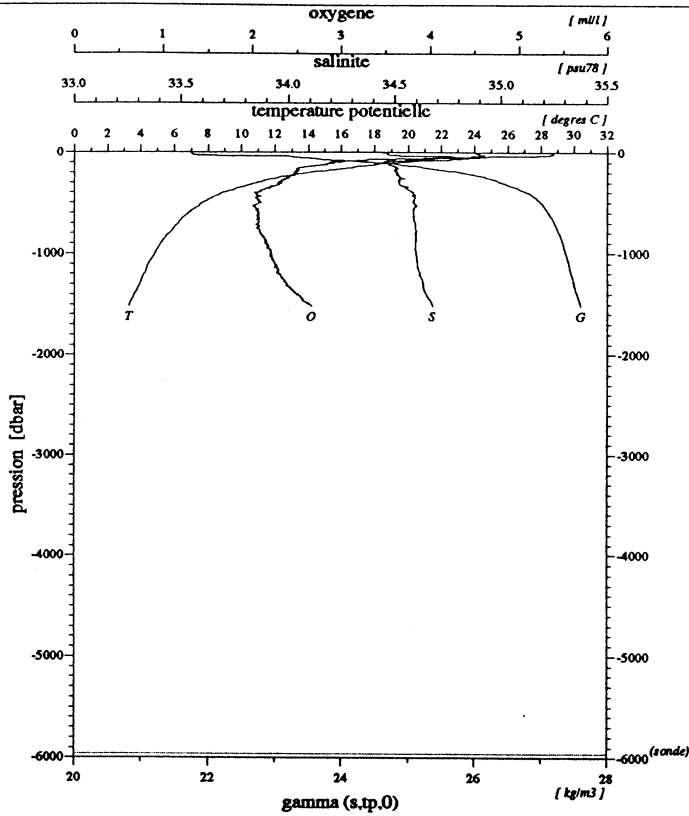


Diagramme salinite / oxygene

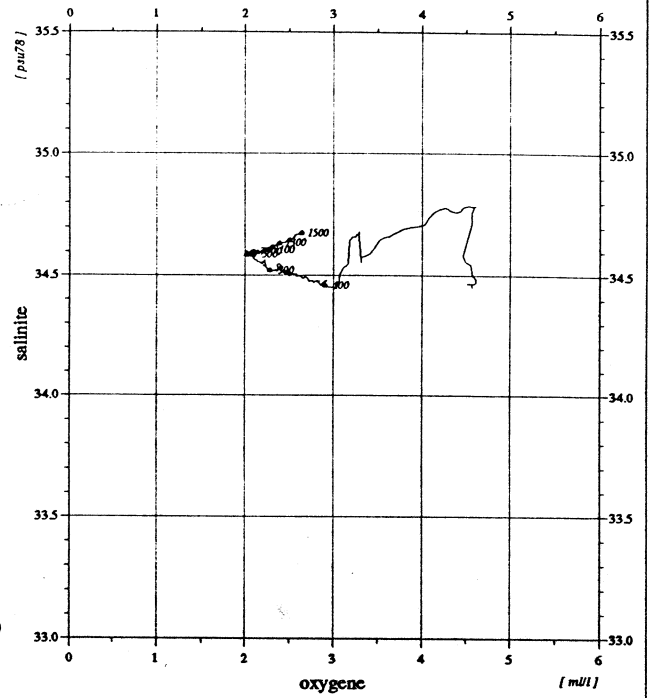


Diagramme temperature potentielle / salinite

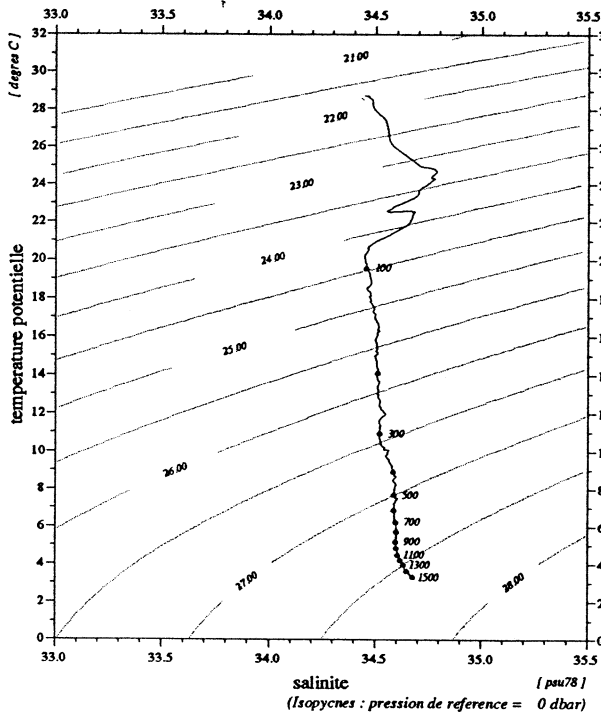
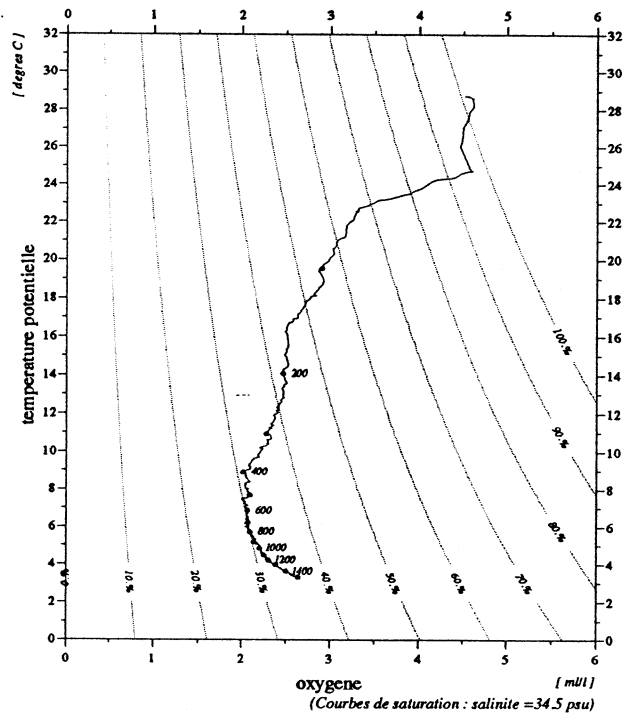


Diagramme temperature potentielle / oxygene



	debut	fin
pression	1.	1518.
temperature	28.707	3.395
theta	28.707	3.281
salinite	34.450	34.678
gamma (s,tp,0)	21.751	27.602
oxygene	4.56	2.66

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5847 m (5962 dbar)	
29- 2-1992	11.28' 8 S
7.01 tu	115.57' 7 E

MD71/JADE2

Station 20.20

94/01/24  
13:40:11

STATION-2030

1

JADE 92

station : 20.30

donnees reduites a 10 dbar

le 29/ 2/1992 a 9.05 tu -11.2974 115.5708 sonde: 5553 m (5658.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
1.	1.0	28.703	28.703	34.466	21.764	21.762	37.864	197.0	4.51	100.9	604.0	0.000	1542.3	0.00
10.	9.9	28.709	28.706	34.466	21.764	21.760	37.864	198.2	4.53	101.5	604.5	0.054	1542.5	0.62
20.	19.9	28.687	28.682	34.468	21.773	21.769	37.874	200.6	4.59	102.6	604.1	0.115	1542.6	1.52
30.	29.8	27.378	27.372	34.538	22.253	22.249	38.412	202.7	4.64	101.6	558.5	0.174	1540.0	17.09
40.	39.8	24.891	24.883	34.618	23.090	23.085	39.368	190.6	4.37	91.8	478.9	0.225	1534.4	6.24
50.	49.7	23.777	23.766	34.680	23.469	23.465	39.803	181.9	4.17	86.0	443.0	0.271	1531.9	13.93
60.	59.6	23.202	23.190	34.599	23.576	23.571	39.943	149.2	3.42	69.8	433.2	0.315	1530.5	2.15
70.	69.6	22.115	22.101	34.605	23.891	23.885	40.316	143.2	3.28	65.7	403.5	0.357	1527.9	10.80
80.	79.5	21.043	21.028	34.472	24.086	24.081	40.575	132.7	3.04	59.7	385.2	0.396	1525.1	6.47
90.	89.5	20.363	20.346	34.450	24.252	24.246	40.781	129.2	2.96	57.5	369.7	0.434	1523.4	7.59
100.	99.4	19.816	19.798	34.489	24.426	24.420	40.987	124.5	2.86	54.8	353.4	0.470	1522.1	6.07
110.	109.3	19.005	18.986	34.456	24.610	24.604	41.221	123.0	2.82	53.3	336.1	0.505	1519.9	8.97
120.	119.3	18.585	18.564	34.474	24.730	24.724	41.366	121.5	2.79	52.3	325.0	0.538	1518.9	3.87
130.	129.2	17.861	17.839	34.474	24.909	24.903	41.591	120.0	2.75	51.0	308.1	0.570	1516.9	10.45
140.	139.2	17.108	17.084	34.497	25.109	25.103	41.839	112.9	2.59	47.3	289.3	0.599	1514.9	5.84
150.	149.1	16.690	16.665	34.508	25.216	25.210	41.973	110.8	2.54	46.0	279.4	0.628	1513.8	4.63
160.	159.0	15.963	15.938	34.498	25.376	25.370	42.182	110.5	2.54	45.2	264.3	0.655	1511.8	5.36
170.	169.0	15.354	15.328	34.507	25.520	25.514	42.367	109.6	2.52	44.4	250.8	0.681	1510.0	10.97
180.	178.9	14.391	14.364	34.502	25.726	25.719	42.641	108.8	2.50	43.2	231.3	0.705	1507.1	11.50
190.	188.8	14.094	14.066	34.505	25.791	25.785	42.727	106.4	2.44	42.0	225.3	0.728	1506.3	3.03
200.	198.8	13.659	13.631	34.514	25.889	25.883	42.857	106.9	2.45	41.8	216.1	0.750	1505.1	5.94
220.	218.6	12.836	12.806	34.513	26.055	26.048	43.083	105.8	2.43	40.7	200.7	0.792	1502.7	4.95
240.	238.5	12.249	12.217	34.521	26.176	26.169	43.249	103.0	2.37	39.2	189.5	0.831	1501.1	4.10
260.	258.4	11.548	11.515	34.520	26.308	26.301	43.435	102.0	2.34	38.2	177.1	0.867	1499.0	5.43
280.	278.2	11.092	11.058	34.522	26.394	26.387	43.556	99.8	2.29	37.0	169.3	0.902	1497.7	2.63
300.	298.1	10.690	10.654	34.521	26.465	26.458	43.660	99.7	2.29	36.7	162.8	0.935	1496.7	2.97
308.	306.0	10.588	10.551	34.523	26.485	26.478	43.688	100.5	2.31	36.9	161.0	0.948	1496.4	3.21

Vitesse verticale moyenne du son entre 1. et 308. dbar : 1515.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

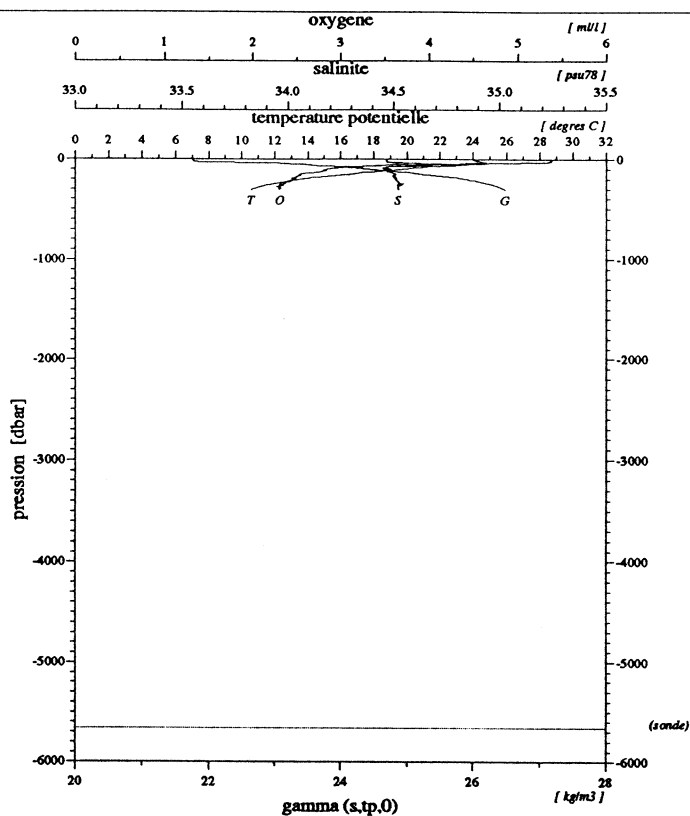


Diagramme salinite / oxygene

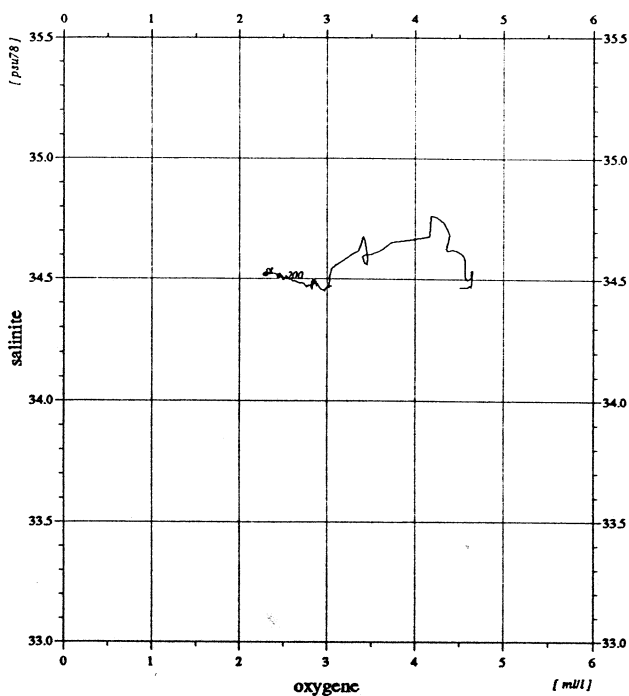


Diagramme temperature potentielle / salinite

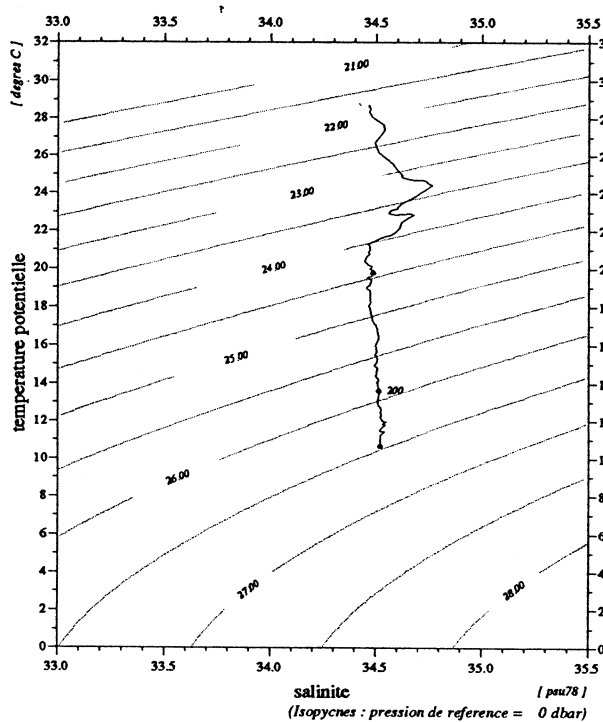
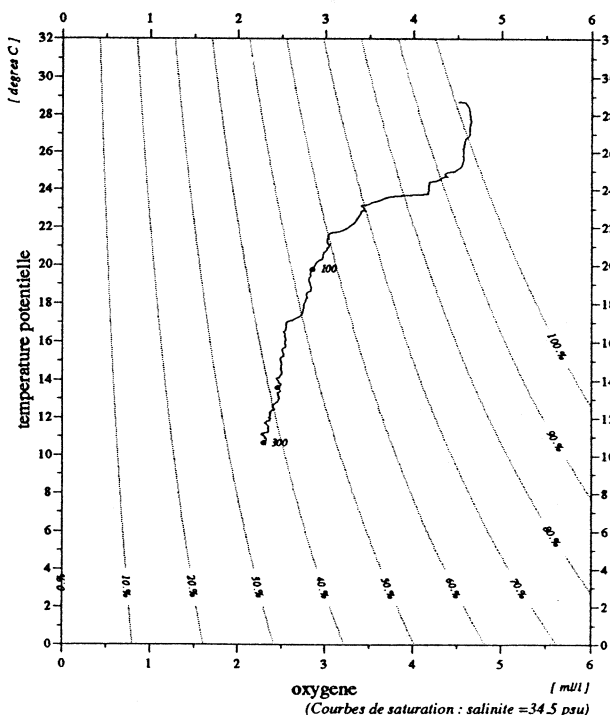


Diagramme temperature potentielle / oxygene



	debut	fin
pression	1.	308.
temperature	28.703	10.588
theta	28.703	10.551
salinite	34.466	34.523
gamma (s,tp,0)	21.764	26.485
oxygene	4.51	2.31

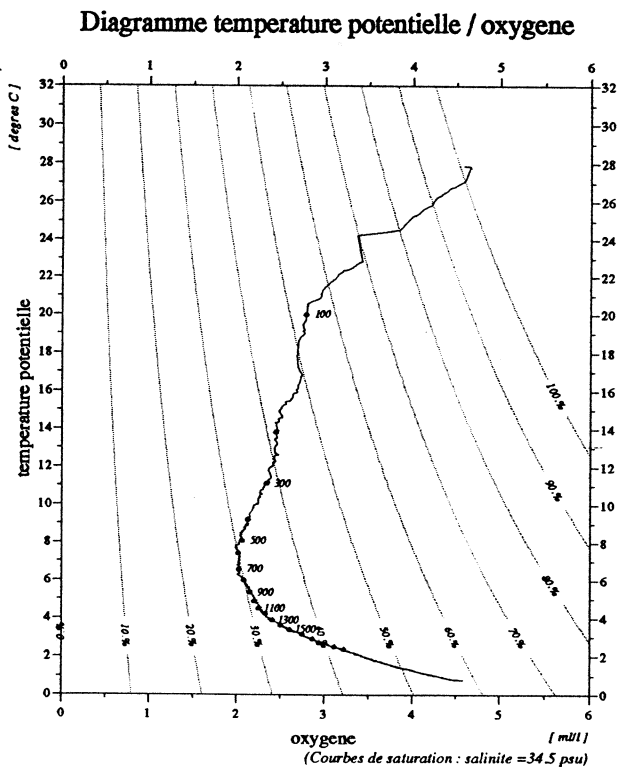
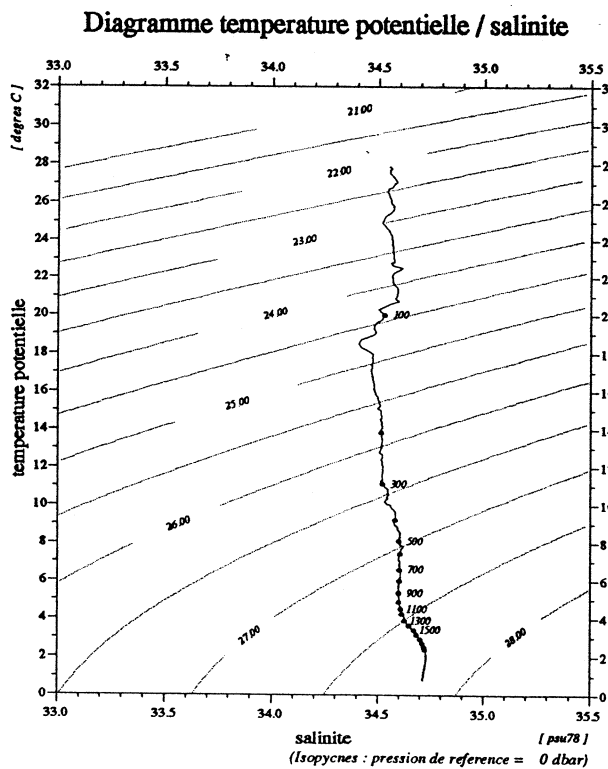
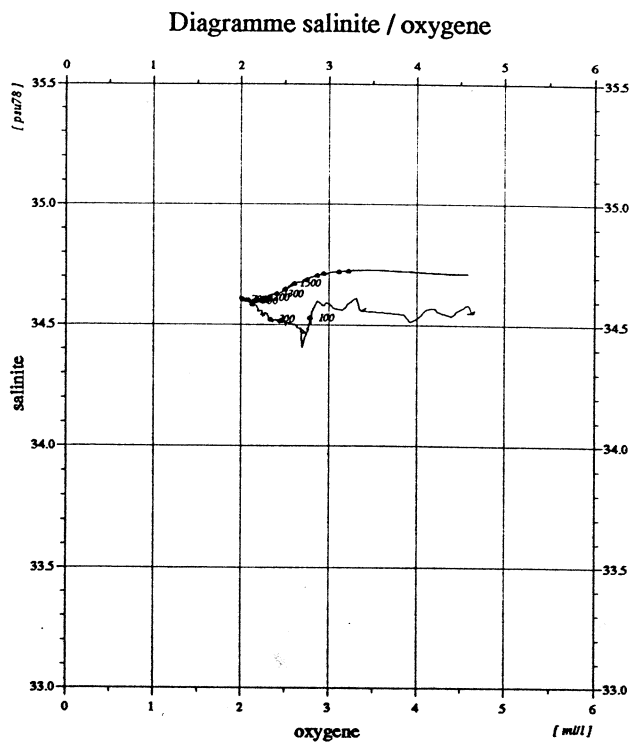
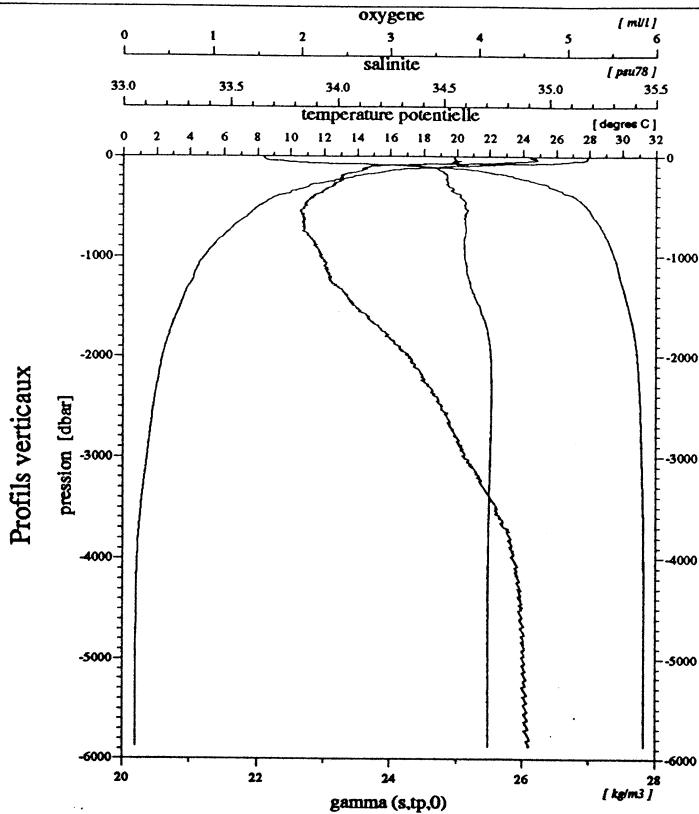
Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 5553 m ( 5658 dbar)	
29- 2-1992	11.29' 7 S
9.05 tu	115.57' 0 E

MD71/JADE2

Station 20.30





	debut	fin
pression	2	5877
temperature	27.868	1.327
theta	27.868	0.788
salinite	34.550	34.715
gamma (s,tp,0)	22.101	27.830
oxygene	4.64	4.57

Niveaux reduits a 1 dbar  
Bathysonde : NEH-BROWN type Mark III no 01-1116  
01/02/94

sonde 5890 m (6006 dbar)	
29- 2-1992	11. 6' 3 S
17.49 tu	115.48' 6 E

MD71/JADE2

Station 21.10

94/01/24  
13:40:18

STATION-2120

1

JADE 92

station : 21.20

donnees reduites a 10 dbar

le 29/ 2/1992 a 14.10 tu -11.0526 115.4828 sonde: 5746 m (5858.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	27.811	27.811	34.562	22.129	22.127	38.268	198.0	4.53	100.0	569.1	0.000	1540.5	0.00
10.	9.9	27.815	27.813	34.561	22.128	22.125	38.266	200.6	4.59	101.3	569.6	0.040	1540.6	1.64
20.	19.9	27.814	27.810	34.562	22.129	22.125	38.267	201.0	4.60	101.5	570.0	0.097	1540.8	0.00
30.	29.8	27.736	27.729	34.559	22.154	22.149	38.296	200.2	4.58	100.9	568.1	0.154	1540.8	6.38
40.	39.8	26.895	26.886	34.561	22.426	22.421	38.607	195.0	4.46	97.0	542.4	0.209	1539.1	8.02
50.	49.7	26.053	26.042	34.562	22.692	22.687	38.914	185.3	4.24	90.9	517.4	0.262	1537.3	7.68
60.	59.7	25.075	25.062	34.561	22.993	22.987	39.263	175.6	4.02	84.8	489.1	0.313	1535.1	10.90
71.	70.6	22.488	22.474	34.533	23.731	23.725	40.137	144.3	3.31	66.6	418.8	0.364	1528.8	22.99
80.	79.5	21.594	21.579	34.553	23.997	23.991	40.452	132.3	3.03	60.1	393.8	0.401	1526.6	10.07
90.	89.5	20.829	20.812	34.590	24.234	24.228	40.733	125.3	2.87	56.2	371.4	0.439	1524.8	7.56
100.	99.4	19.207	19.189	34.459	24.561	24.555	41.159	119.0	2.73	51.8	340.5	0.474	1520.3	6.76
110.	109.3	18.072	18.053	34.466	24.851	24.846	41.520	117.4	2.69	50.0	313.0	0.508	1517.2	8.28
120.	119.3	17.430	17.410	34.451	24.996	24.990	41.706	115.9	2.66	48.8	299.5	0.538	1515.5	7.09
130.	129.2	16.778	16.757	34.476	25.171	25.165	41.922	116.7	2.68	48.5	283.1	0.567	1513.7	3.33
140.	139.2	16.126	16.104	34.481	25.326	25.320	42.120	114.9	2.64	47.2	268.5	0.594	1511.9	4.33
150.	149.1	15.859	15.835	34.483	25.389	25.382	42.201	113.3	2.60	46.3	262.8	0.621	1511.2	3.61
160.	159.0	15.505	15.481	34.497	25.478	25.472	42.315	110.7	2.54	44.9	254.5	0.647	1510.3	6.03
170.	169.0	15.170	15.144	34.507	25.561	25.554	42.421	108.4	2.49	43.7	246.9	0.672	1509.5	5.22
180.	178.9	14.642	14.616	34.513	25.681	25.674	42.578	106.3	2.44	42.4	235.6	0.696	1508.0	6.84
190.	188.8	14.246	14.218	34.516	25.768	25.761	42.693	105.3	2.42	41.7	227.5	0.720	1506.8	6.16
200.	198.8	13.908	13.879	34.516	25.839	25.832	42.788	105.0	2.41	41.3	221.0	0.742	1505.9	1.75
220.	218.6	13.504	13.473	34.517	25.924	25.917	42.903	103.9	2.39	40.5	213.4	0.786	1504.9	5.36
240.	238.5	12.701	12.669	34.517	26.085	26.078	43.123	104.9	2.41	40.2	198.3	0.827	1502.6	3.27
260.	258.4	12.079	12.045	34.520	26.208	26.201	43.294	103.3	2.37	39.2	186.9	0.866	1500.8	5.53
280.	278.2	11.405	11.369	34.521	26.336	26.329	43.474	101.1	2.32	37.8	174.9	0.902	1498.8	1.86
300.	298.1	11.185	11.147	34.532	26.385	26.378	43.540	99.6	2.29	37.0	170.6	0.936	1498.4	3.55
320.	317.9	10.852	10.813	34.546	26.456	26.449	43.638	96.8	2.22	35.8	164.2	0.970	1497.6	2.23
340.	337.8	10.510	10.469	34.537	26.510	26.502	43.719	96.2	2.21	35.3	159.3	1.002	1496.7	0.87
360.	357.6	10.110	10.068	34.541	26.582	26.574	43.824	95.7	2.20	34.8	152.7	1.033	1495.6	2.40
380.	377.5	9.926	9.882	34.568	26.635	26.627	43.891	93.3	2.14	33.8	148.0	1.063	1495.3	3.27
400.	397.3	9.347	9.302	34.579	26.740	26.732	44.044	90.8	2.09	32.5	138.1	1.092	1493.5	2.55
420.	417.2	9.114	9.068	34.581	26.780	26.772	44.104	91.1	2.10	32.4	134.5	1.119	1493.0	1.24
440.	437.0	8.920	8.872	34.591	26.819	26.811	44.159	90.4	2.08	32.0	131.1	1.146	1492.6	1.96
460.	456.9	8.714	8.664	34.595	26.855	26.847	44.213	90.1	2.07	31.8	127.9	1.172	1492.2	1.75
480.	476.7	8.615	8.563	34.602	26.875	26.867	44.242	88.9	2.04	31.3	126.2	1.197	1492.2	2.14
500.	496.6	8.418	8.365	34.604	26.908	26.900	44.292	87.6	2.01	30.7	123.3	1.222	1491.8	1.64
550.	546.1	7.954	7.897	34.607	26.981	26.972	44.405	86.5	1.99	30.0	116.9	1.282	1490.9	1.38
600.	595.7	7.582	7.522	34.602	27.032	27.023	44.489	86.8	2.00	29.8	112.5	1.339	1490.3	1.24
650.	645.3	7.085	7.023	34.602	27.103	27.094	44.605	86.4	1.99	29.4	106.0	1.394	1489.2	1.86
700.	694.8	6.681	6.615	34.605	27.160	27.151	44.699	86.5	1.99	29.1	100.7	1.445	1488.4	1.52
750.	744.4	6.413	6.344	34.607	27.198	27.188	44.762	87.1	2.00	29.2	97.5	1.495	1488.2	1.07
800.	793.9	6.037	5.965	34.601	27.242	27.232	44.841	89.9	2.07	29.8	93.5	1.543	1487.5	1.38
850.	843.4	5.687	5.612	34.597	27.283	27.273	44.916	91.9	2.12	30.3	89.6	1.589	1487.0	1.51
900.	892.9	5.454	5.377	34.598	27.312	27.303	44.967	92.7	2.13	30.3	87.0	1.633	1486.9	1.64
950.	942.4	5.216	5.136	34.599	27.341	27.332	45.019	95.0	2.18	30.9	84.4	1.676	1486.7	1.38
1000.	991.9	4.986	4.902	34.600	27.369	27.360	45.070	96.2	2.21	31.1	81.8	1.717	1486.6	1.24
1100.	1090.9	4.634	4.544	34.609	27.417	27.407	45.152	98.0	2.25	31.4	77.6	1.797	1486.9	1.07
1200.	1189.7	4.383	4.287	34.610	27.446	27.435	45.207	99.6	2.29	31.8	75.3	1.874	1487.5	0.00
1300.	1288.6	4.115	4.012	34.626	27.488	27.477	45.275	102.4	2.36	32.4	71.6	1.947	1488.1	1.86
1400.	1387.4	3.799	3.691	34.642	27.533	27.522	45.352	106.8	2.46	33.6	67.3	2.017	1488.4	1.24
1500.	1486.1	3.579	3.465	34.664	27.573	27.562	45.415	112.0	2.58	35.0	63.6	2.082	1489.2	1.86
fin	1520.	1505.9	3.544	3.428	34.670	27.581	27.570	45.426	112.2	2.58	62.9	2.095	1489.4	1.07

Vitesse verticale moyenne du son entre 3. et 1520. dbar : 1494.4 m/s  
 Pression de reference pour gamprf : 4000. dbar



Profils verticaux

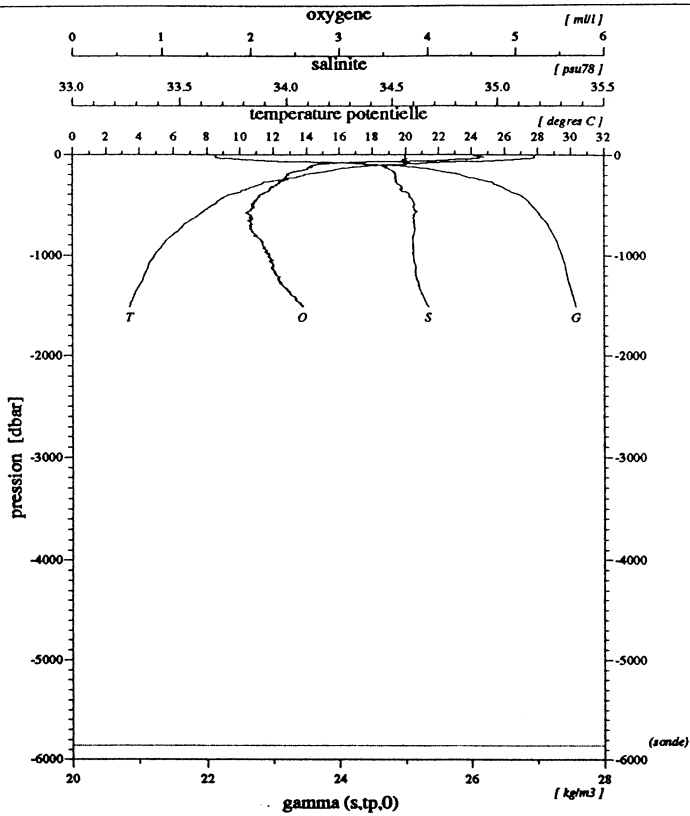


Diagramme salinite / oxygene

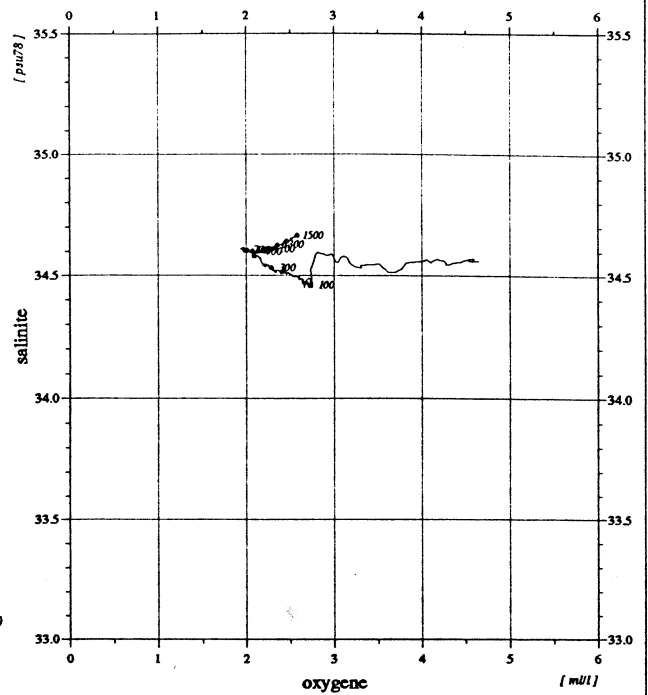


Diagramme temperature potentielle / salinite

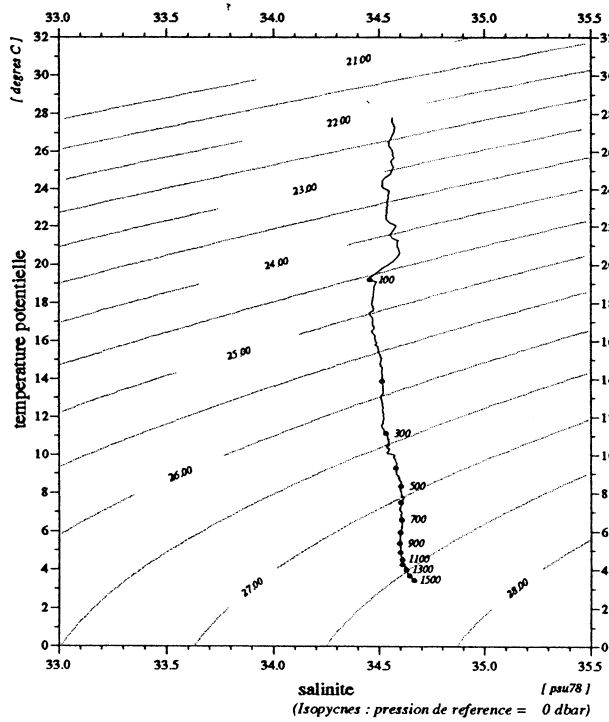
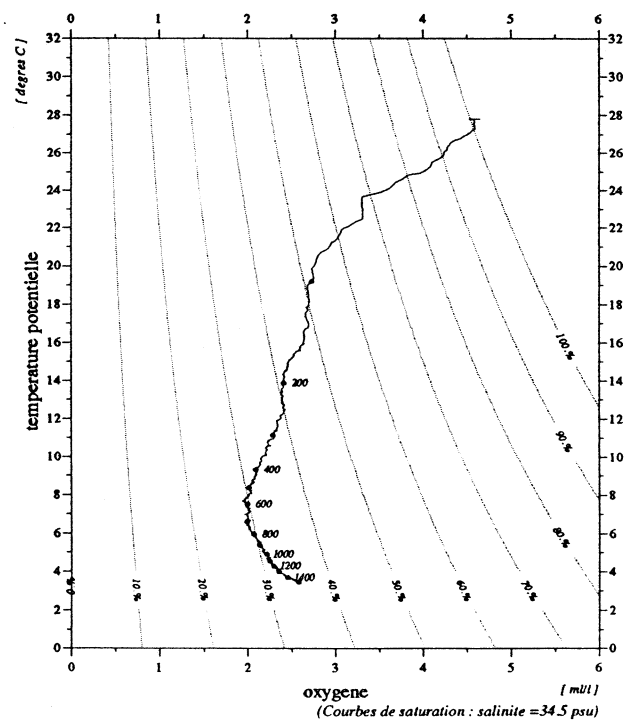


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	1520.
temperature	27.811	3.544
theta	27.811	3.428
salinite	34.562	34.670
gamma (s.tp,0)	22.129	27.581
oxygene	4.53	2.58

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 5746 m (5858 dbar)

29- 2-1992 11.5' 2 S  
 14.10 tu 115.48' 2 E

MD71/JADE2

Station 21.20

94/01/24  
13:40:12

STATION-2130

1

JADE 92

station : 21.30

donnees reduites a 10 dbar

le 29/ 2/1992 a 11.54 tu -11.0497 115.4885 sonde: 5746 m (5858.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	27.839	27.838	34.557	22.116	22.114	38.254	199.3	4.56	100.7	570.3	0.000	1540.5	0.00
10.	9.9	27.839	27.836	34.556	22.117	22.114	38.254	201.3	4.61	101.7	570.7	0.046	1540.7	0.00
20.	19.9	27.815	27.810	34.556	22.125	22.121	38.263	202.2	4.63	102.1	570.4	0.103	1540.8	2.40
30.	29.8	27.015	27.008	34.544	22.374	22.369	38.550	194.8	4.46	97.1	547.0	0.159	1539.1	13.65
40.	39.8	26.318	26.309	34.546	22.596	22.592	38.806	187.2	4.29	92.2	526.1	0.212	1537.7	4.84
50.	49.7	25.507	25.496	34.576	22.871	22.866	39.120	176.4	4.04	85.8	500.2	0.263	1536.0	9.20
60.	59.7	24.064	24.051	34.558	23.293	23.288	39.615	158.7	3.64	75.3	460.3	0.312	1532.6	13.28
70.	69.6	22.388	22.374	34.532	23.758	23.753	40.170	142.9	3.28	65.9	416.1	0.356	1528.5	19.42
80.	79.5	21.321	21.305	34.562	24.079	24.073	40.550	128.7	2.95	58.2	385.9	0.396	1525.9	9.21
90.	89.5	20.658	20.641	34.605	24.292	24.286	40.800	122.3	2.81	54.7	365.9	0.434	1524.3	5.03
100.	99.4	18.461	18.444	34.471	24.758	24.752	41.401	117.7	2.70	50.5	321.6	0.468	1518.2	16.48
110.	109.3	17.458	17.440	34.470	25.004	24.998	41.711	117.8	2.70	49.6	298.4	0.499	1515.4	8.67
120.	119.3	16.847	16.828	34.473	25.151	25.146	41.898	117.8	2.70	49.1	284.6	0.528	1513.8	1.75
130.	129.2	16.252	16.231	34.481	25.296	25.290	42.082	116.5	2.67	48.0	271.0	0.556	1512.1	7.45
140.	139.2	15.983	15.961	34.486	25.362	25.356	42.166	115.2	2.64	47.2	265.0	0.582	1511.5	4.51
150.	149.1	15.703	15.680	34.493	25.431	25.425	42.255	113.8	2.61	46.4	258.7	0.609	1510.8	2.84
160.	159.0	15.384	15.359	34.499	25.508	25.501	42.353	112.7	2.59	45.7	251.7	0.634	1510.0	3.39
170.	169.0	15.200	15.174	34.509	25.556	25.549	42.414	110.1	2.53	44.4	247.4	0.659	1509.5	3.45
180.	178.9	14.710	14.683	34.512	25.666	25.659	42.557	107.7	2.47	43.0	237.1	0.684	1508.2	7.06
190.	188.8	14.169	14.141	34.516	25.784	25.777	42.714	106.7	2.45	42.2	226.0	0.707	1506.6	7.24
200.	198.8	13.950	13.921	34.515	25.829	25.823	42.775	105.4	2.42	41.5	221.9	0.729	1506.1	4.63
220.	218.6	13.385	13.354	34.517	25.948	25.941	42.935	104.9	2.41	40.8	211.0	0.772	1504.5	4.99
240.	238.5	12.457	12.425	34.519	26.134	26.127	43.191	105.5	2.42	40.3	193.6	0.813	1501.8	4.38
260.	258.4	11.489	11.456	34.516	26.316	26.309	43.447	102.9	2.36	38.5	176.4	0.850	1498.8	7.58
280.	278.2	11.347	11.312	34.521	26.346	26.339	43.489	101.3	2.33	37.8	173.9	0.885	1498.6	3.27
300.	298.1	10.858	10.822	34.546	26.454	26.447	43.635	99.9	2.30	36.9	163.9	0.919	1497.3	3.55
fin	301.	299.1	10.858	10.821	34.547	26.455	43.636	100.2	2.30	37.0	163.8	0.920	1497.3	1.64

Vitesse verticale moyenne du son entre 2. et 301. dbar : 1515.0 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

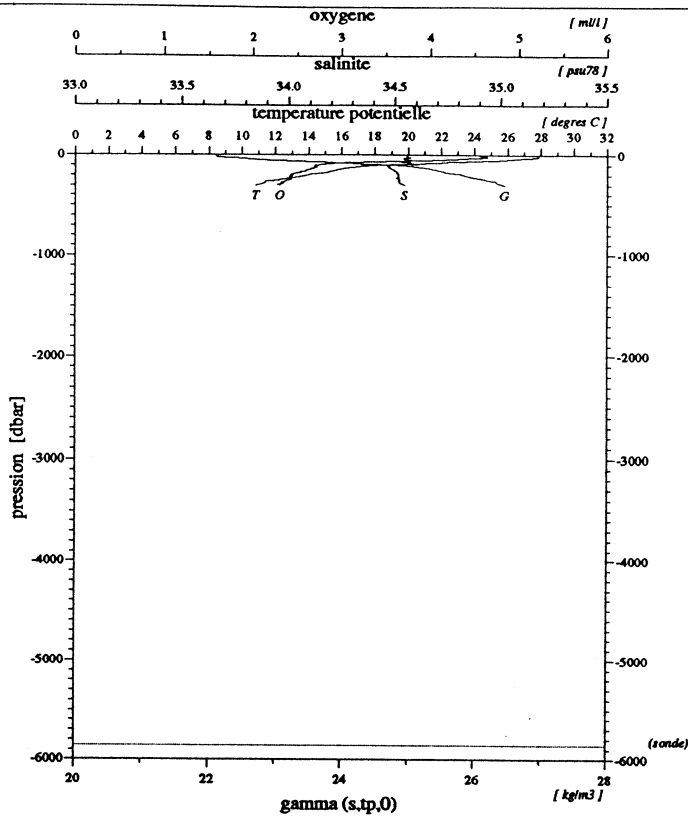


Diagramme salinite / oxygene

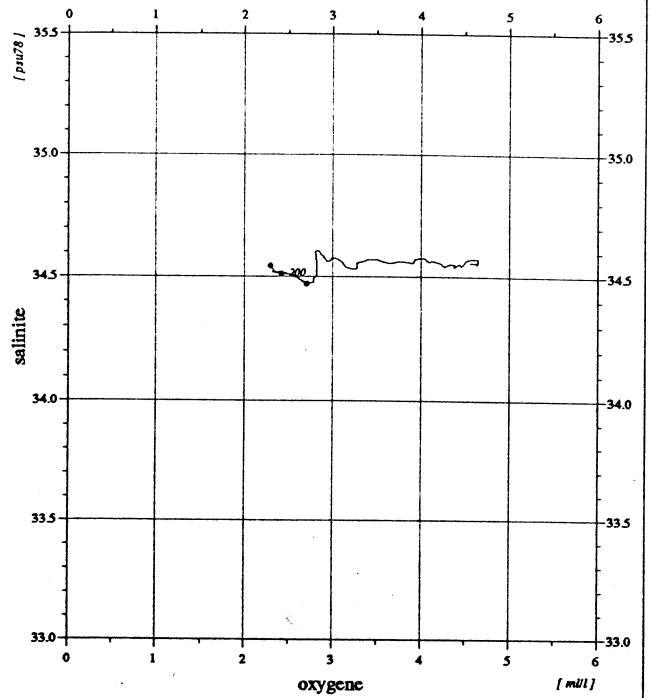


Diagramme temperature potentielle / salinite

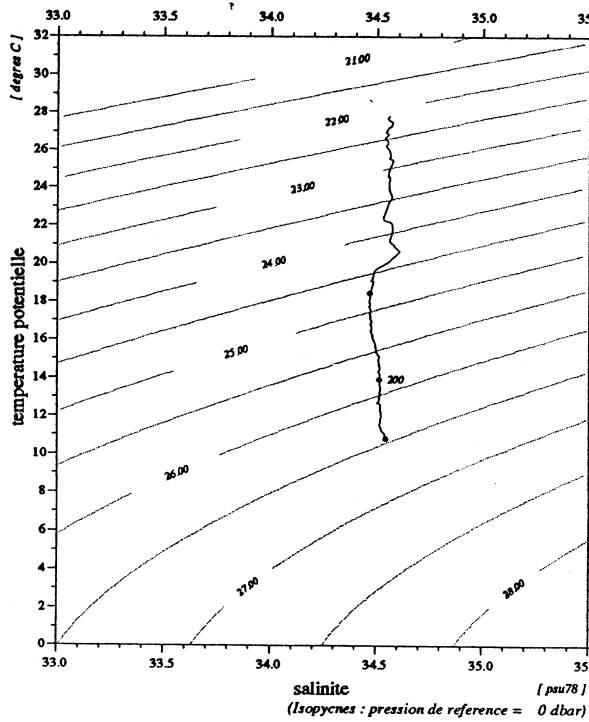
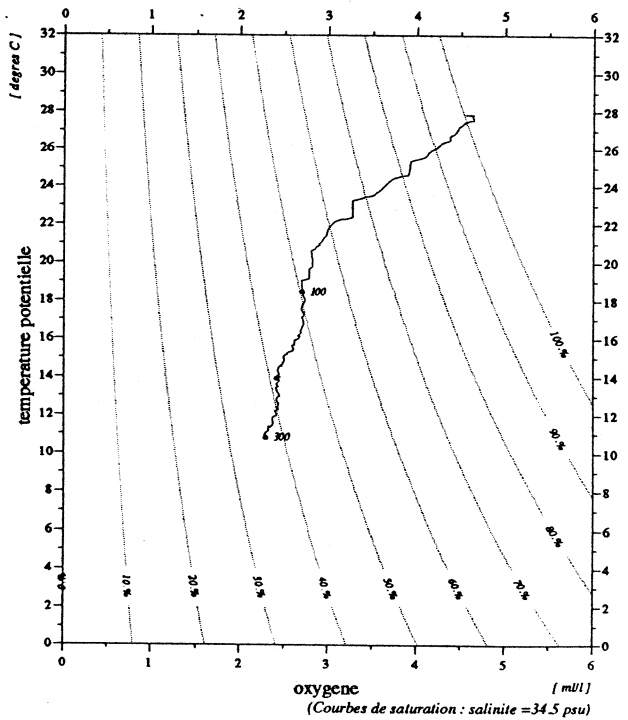


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	301.
temperature	27.839	10.858
theta	27.838	10.821
salinite	34.557	34.547
gamma (s,tp,0)	22.116	26.455
oxygene	4.56	2.30

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 5746 m ( 5858 dbar)	
29- 2-1992	11. 4' 9 S
11.54 tu	115.48' 8 E

MD71/JADE2

Station 21.30

94/01/24  
13:40:51

1

STATION-2210

JADE 92

station : 22.10

donnees reduites a 10 dbar

le 1/ 3/1992 a 0.38 tu -10.4323 115.4171 sonde: 3088 m (3129.dbar)

press.	prof	temp.	teta	salin	gateta	gammata	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
4.	4.0	27.290	27.289	34.547	22.286	22.284	38.449	200.0	4.58	100.2	554.2	0.000	1539.3	0.00
10.	9.9	27.292	27.289	34.546	22.286	22.283	38.448	200.2	4.58	100.2	554.5	0.033	1539.4	0.62
20.	19.9	27.293	27.288	34.547	22.286	22.283	38.449	199.2	4.56	99.7	554.9	0.089	1539.6	0.00
30.	29.8	27.292	27.285	34.549	22.289	22.285	38.452	196.5	4.50	98.4	555.1	0.144	1539.8	1.39
40.	39.8	27.167	27.157	34.576	22.350	22.345	38.519	197.0	4.51	98.4	549.7	0.200	1539.7	7.78
50.	49.7	26.852	26.841	34.564	22.442	22.436	38.625	191.8	4.39	95.3	541.4	0.254	1539.1	4.96
60.	59.7	26.277	26.263	34.553	22.616	22.609	38.827	186.9	4.28	92.0	525.2	0.307	1538.0	6.59
70.	69.6	25.562	25.546	34.548	22.835	22.828	39.081	181.3	4.15	88.2	504.7	0.359	1536.4	10.69
80.	79.5	24.904	24.887	34.574	23.056	23.049	39.334	175.3	4.01	84.4	483.9	0.409	1535.1	9.37
90.	89.5	23.324	23.306	34.609	23.551	23.544	39.910	157.7	3.62	73.9	436.9	0.455	1531.4	9.59
100.	99.4	22.414	22.394	34.521	23.745	23.737	40.156	137.8	3.16	63.5	418.7	0.498	1529.1	8.76
110.	109.3	20.842	20.821	34.603	24.242	24.235	40.739	127.8	2.93	57.4	371.5	0.537	1525.2	7.66
120.	119.3	19.928	19.906	34.513	24.416	24.409	40.969	123.0	2.82	54.3	355.1	0.574	1522.7	14.60
130.	129.2	18.649	18.626	34.475	24.716	24.709	41.348	117.8	2.70	50.8	326.7	0.608	1519.2	7.25
140.	139.2	17.586	17.562	34.476	24.979	24.972	41.678	114.0	2.62	48.2	301.8	0.640	1516.3	9.59
150.	149.1	16.917	16.892	34.493	25.151	25.145	41.894	111.6	2.56	46.6	285.6	0.669	1514.5	6.78
160.	159.0	16.125	16.100	34.501	25.342	25.335	42.137	110.5	2.54	45.4	267.6	0.696	1512.3	3.96
170.	169.0	15.556	15.530	34.506	25.475	25.468	42.308	109.0	2.50	44.3	255.2	0.722	1510.7	6.92
180.	178.9	14.808	14.781	34.516	25.647	25.641	42.532	107.7	2.47	43.1	238.9	0.747	1508.5	5.84
190.	188.8	14.242	14.215	34.514	25.767	25.761	42.692	106.6	2.45	42.2	227.6	0.771	1506.8	6.78
200.	198.8	13.785	13.757	34.514	25.863	25.856	42.821	104.9	2.41	41.2	218.7	0.793	1505.5	6.00
220.	218.6	12.905	12.875	34.513	26.041	26.034	43.064	105.3	2.42	40.6	202.0	0.835	1502.9	4.87
240.	238.5	12.158	12.126	34.507	26.183	26.176	43.263	104.6	2.40	39.7	188.8	0.875	1500.7	4.83
260.	258.4	11.376	11.343	34.524	26.343	26.336	43.483	101.2	2.33	37.8	173.8	0.911	1498.4	4.42
280.	278.2	10.910	10.876	34.523	26.427	26.421	43.604	98.6	2.27	36.5	166.0	0.944	1497.1	2.55
300.	298.1	10.717	10.680	34.524	26.462	26.455	43.655	99.3	2.28	36.6	163.0	0.977	1496.7	3.27
320.	317.9	10.491	10.452	34.525	26.503	26.496	43.714	98.2	2.26	36.0	159.5	1.009	1496.3	1.07
340.	337.8	10.329	10.289	34.532	26.537	26.530	43.761	98.1	2.26	35.8	156.6	1.041	1496.0	1.24
360.	357.6	10.213	10.170	34.533	26.558	26.551	43.792	96.8	2.23	35.3	155.0	1.072	1496.0	2.70
380.	377.5	10.009	9.965	34.553	26.609	26.601	43.859	95.1	2.19	34.5	150.5	1.103	1495.6	3.91
400.	397.3	9.412	9.367	34.574	26.725	26.717	44.024	91.5	2.10	32.8	139.5	1.132	1493.8	2.31
420.	417.2	9.181	9.134	34.607	26.789	26.781	44.107	89.1	2.05	31.7	133.7	1.159	1493.3	2.55
440.	437.0	9.091	9.043	34.635	26.826	26.817	44.150	84.7	1.95	30.1	130.6	1.185	1493.3	2.77
460.	456.9	9.060	9.009	34.696	26.879	26.870	44.204	80.2	1.84	28.5	126.0	1.211	1493.6	3.55
480.	476.7	8.880	8.828	34.701	26.911	26.903	44.252	78.5	1.81	27.8	123.1	1.236	1493.3	2.05
500.	496.6	8.665	8.611	34.688	26.935	26.927	44.295	80.2	1.84	28.3	121.0	1.260	1492.8	2.77
550.	546.2	7.755	7.699	34.620	27.020	27.011	44.461	87.9	2.02	30.3	113.0	1.319	1490.1	0.87
600.	595.7	7.426	7.367	34.617	27.065	27.057	44.536	86.9	2.00	29.8	109.1	1.374	1489.7	1.24
650.	645.3	7.042	6.979	34.612	27.116	27.107	44.622	86.3	1.99	29.3	104.7	1.428	1489.0	1.52
700.	694.9	6.642	6.577	34.608	27.168	27.159	44.710	87.2	2.01	29.4	100.0	1.479	1488.3	0.00
750.	744.4	6.292	6.223	34.609	27.215	27.206	44.790	88.5	2.04	29.6	95.7	1.528	1487.7	0.87
800.	793.9	5.831	5.760	34.598	27.265	27.256	44.884	90.5	2.08	29.9	90.9	1.575	1486.7	2.05
850.	843.4	5.593	5.519	34.595	27.292	27.283	44.934	93.2	2.14	30.6	88.5	1.620	1486.6	0.00
900.	893.0	5.389	5.311	34.600	27.322	27.312	44.983	93.2	2.14	30.5	86.0	1.664	1486.6	1.51
950.	942.5	5.158	5.078	34.601	27.350	27.340	45.034	94.5	2.17	30.7	83.5	1.706	1486.5	1.07
1000.	991.9	4.879	4.796	34.599	27.381	27.371	45.092	96.6	2.22	31.2	80.5	1.747	1486.2	1.07
1100.	1090.9	4.500	4.411	34.608	27.431	27.421	45.179	99.3	2.29	31.8	76.0	1.825	1486.3	0.62
1200.	1189.8	4.313	4.217	34.617	27.459	27.448	45.226	100.7	2.32	32.1	73.9	1.900	1487.2	0.00
1300.	1288.6	4.015	3.913	34.645	27.513	27.503	45.310	103.9	2.39	32.9	68.9	1.971	1487.7	0.62
1400.	1387.4	3.743	3.635	34.667	27.559	27.548	45.383	108.4	2.49	34.0	64.7	2.038	1488.2	0.00
1500.	1486.1	3.373	3.261	34.675	27.601	27.591	45.463	116.5	2.68	36.3	60.3	2.100	1488.3	1.24
1600.	1584.8	3.182	3.063	34.693	27.635	27.623	45.516	121.4	2.79	37.6	57.2	2.159	1489.2	0.87
1700.	1683.5	2.954	2.830	34.708	27.667	27.656	45.573	126.5	2.91	39.0	54.0	2.214	1489.9	1.64
1800.	1782.1	2.802	2.670	34.715	27.688	27.676	45.609	130.2	2.99	39.9	52.1	2.267	1491.0	1.07
1900.	1880.7	2.604	2.467	34.722	27.710	27.698	45.653	135.8	3.12	41.5	49.8	2.318	1491.8	0.00
2000.	1979.2	2.463	2.319	34.724	27.724	27.712	45.683	139.8	3.22	42.5	48.4	2.367	1492.9	1.07
2200.	2176.1	2.214	2.057	34.727	27.749	27.736	45.734	147.3	3.39	44.5	45.9	2.462	1495.2	0.62
2400.	2372.8	2.086	1.913	34.727	27.760	27.746	45.761	151.2	3.48	45.5	45.2	2.553	1498.0	0.00
2600.	2569.3	1.909	1.721	34.726	27.774	27.759	45.796	158.5	3.65	47.5	43.7	2.642	1500.6	0.00
2800.	2765.7	1.807	1.602	34.725	27.782	27.767	45.817	162.3	3.73	48.5	43.1	2.728	1503.6	0.00
3000.	2961.9	1.678	1.457	34.723	27.791	27.775	45.841	166.4	3.83	49.6	42.2	2.813	1506.4	0.00
fin	3038.	2999.1	1.658	1.434	34.723	27.793	27.776	167.7	3.86	49.9	42.0	2.829	1507.0	0.62

Vitesse verticale moyenne du son entre 4. et 3038. dbar : 1495.6 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

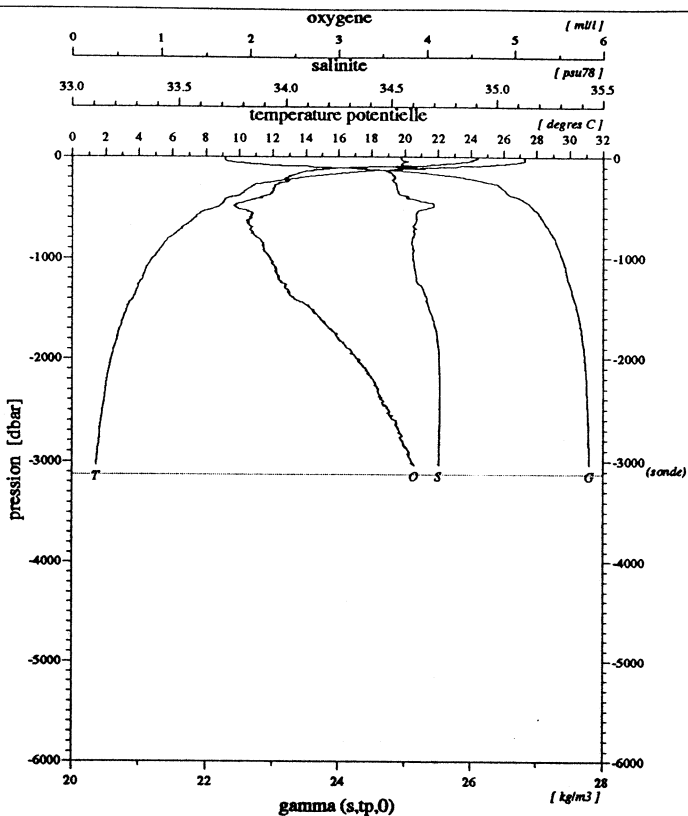


Diagramme salinite / oxygene

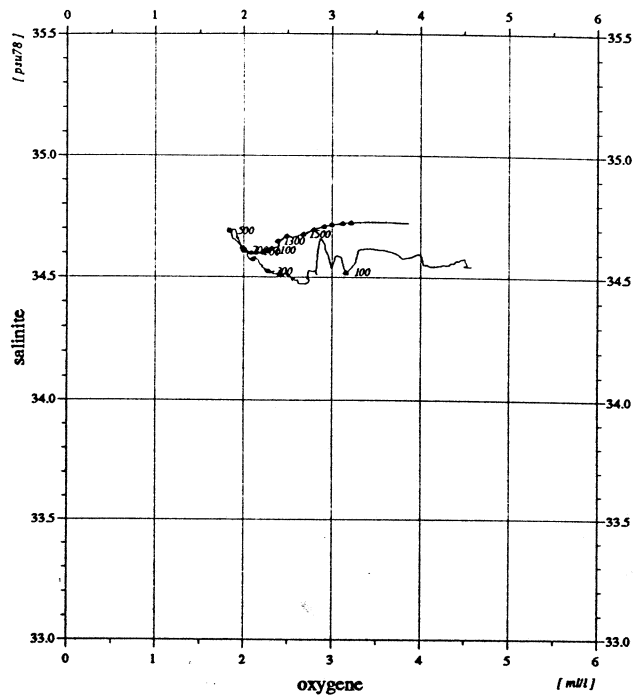


Diagramme temperature potentielle / salinite

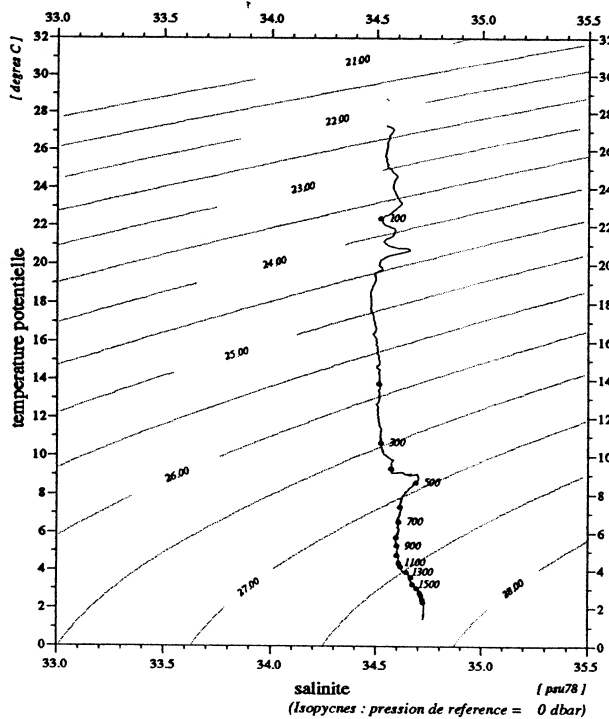
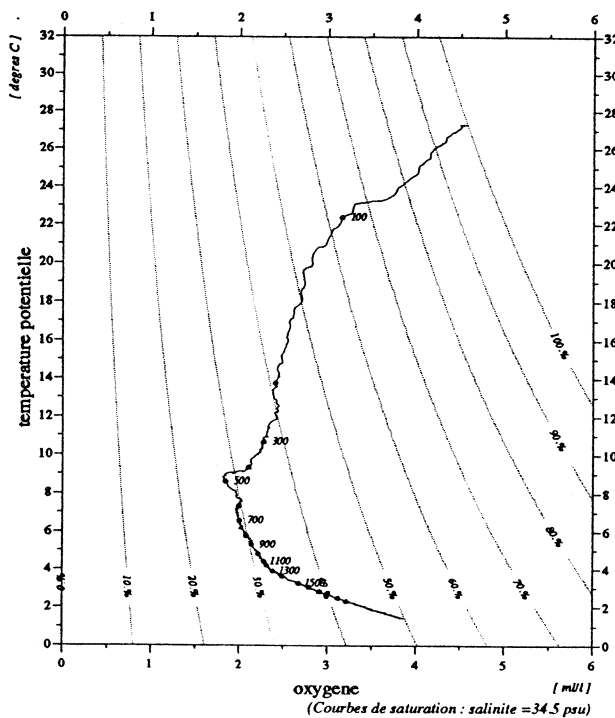


Diagramme temperature potentielle / oxygene



	debut	fin
pression	4.	3038.
temperature	27.290	1.658
theta	27.289	1.434
salinite	34.547	34.723
gamma (s,tp,0)	22.286	27.793
oxygene	4.58	3.86

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 3088 m (3129 dbar)	
1-3-1992	10.43' 2 S
0.38 tu	115.41' 7 E

MD71/JADE2

Station 22.10

94/01/24  
13:40:56

STATION-2220

1

JADE 92

station : 22.20

donnees reduites a 10 dbar

le 1/ 3/1992 a 3.41 tu -10.4307 115.4154 sonde: 3029 m (3068.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
3.	3.0	27.464	27.463	34.573	22.250	22.247	38.404	194.6	4.45	97.7	557.6	0.000	1539.7	0.00	
10.	9.9	27.444	27.442	34.571	22.255	22.253	38.410	196.1	4.49	98.4	557.4	0.039	1539.8	4.07	
20.	19.9	27.348	27.343	34.569	22.286	22.282	38.445	196.3	4.49	98.4	554.9	0.095	1539.8	1.24	
30.	29.8	27.338	27.331	34.570	22.290	22.285	38.450	195.8	4.48	98.1	555.1	0.150	1539.9	1.24	
40.	39.8	27.308	27.298	34.569	22.300	22.295	38.461	195.6	4.48	98.0	554.6	0.206	1540.0	2.15	
50.	49.7	27.049	27.037	34.560	22.376	22.371	38.551	193.7	4.43	96.6	547.7	0.261	1539.6	9.86	
60.	59.7	26.684	26.670	34.556	22.490	22.484	38.682	190.8	4.37	94.6	537.2	0.315	1538.9	5.54	
70.	69.6	26.358	26.343	34.542	22.583	22.576	38.790	187.0	4.28	92.2	528.8	0.368	1538.3	8.07	
80.	79.5	25.649	25.632	34.536	22.799	22.792	39.042	181.6	4.16	88.5	508.5	0.420	1536.8	8.16	
90.	89.5	24.652	24.632	34.569	23.128	23.121	39.420	174.4	3.99	83.6	477.4	0.470	1534.6	12.18	
100.	99.4	23.761	23.740	34.699	23.492	23.484	39.827	170.3	3.90	80.5	443.0	0.516	1532.7	5.65	
110.	109.3	21.599	21.578	34.598	24.031	24.024	40.486	131.2	3.01	59.7	391.7	0.558	1527.2	14.57	
120.	119.3	20.850	20.827	34.646	24.273	24.265	40.769	130.0	2.98	58.4	369.0	0.595	1525.4	5.44	
131.	130.2	18.762	18.739	34.483	24.694	24.687	41.318	123.2	2.83	53.2	328.9	0.634	1519.6	15.35	
140.	139.2	17.439	17.416	34.473	25.011	25.005	41.720	117.5	2.70	49.5	298.7	0.663	1515.9	10.31	
150.	149.1	16.410	16.386	34.497	25.273	25.266	42.048	114.0	2.62	47.1	274.0	0.691	1513.0	7.66	
160.	159.0	15.576	15.551	34.504	25.468	25.462	42.300	112.6	2.59	45.8	255.5	0.717	1510.6	6.28	
170.	169.0	14.847	14.822	34.515	25.638	25.632	42.520	110.0	2.53	44.1	239.5	0.742	1508.4	4.75	
180.	178.9	14.196	14.170	34.510	25.773	25.767	42.702	107.9	2.48	42.7	226.7	0.766	1506.5	6.43	
190.	188.8	13.807	13.780	34.516	25.860	25.853	42.816	107.8	2.48	42.3	218.7	0.788	1505.4	6.92	
200.	198.8	13.490	13.462	34.517	25.926	25.920	42.906	107.1	2.46	41.8	212.6	0.809	1504.5	2.55	
220.	218.6	12.648	12.619	34.513	26.092	26.085	43.134	107.2	2.46	41.1	197.1	0.850	1502.1	4.51	
240.	238.5	12.139	12.108	34.510	26.189	26.182	43.270	106.4	2.44	40.4	188.2	0.889	1500.7	3.27	
260.	258.4	11.404	11.372	34.524	26.338	26.331	43.475	103.2	2.37	38.6	174.3	0.925	1498.5	4.59	
280.	278.2	10.976	10.942	34.521	26.414	26.407	43.586	101.5	2.33	37.6	167.3	0.960	1497.3	3.45	
300.	298.1	10.885	10.848	34.524	26.433	26.426	43.612	99.6	2.29	36.8	165.9	0.993	1497.3	3.22	
320.	317.9	10.722	10.683	34.525	26.463	26.455	43.655	98.9	2.27	36.4	163.5	1.026	1497.1	1.38	
340.	337.8	10.423	10.382	34.528	26.518	26.510	43.734	98.7	2.27	36.1	158.6	1.058	1496.4	2.23	
360.	357.6	10.321	10.278	34.532	26.539	26.531	43.764	97.9	2.25	35.8	157.0	1.089	1496.3	1.24	
380.	377.5	10.197	10.153	34.534	26.563	26.554	43.798	97.6	2.24	35.6	155.1	1.121	1496.2	1.75	
400.	397.3	9.937	9.891	34.560	26.627	26.619	43.883	94.8	2.18	34.3	149.2	1.151	1495.7	4.50	
420.	417.2	9.595	9.548	34.574	26.696	26.687	43.979	92.2	2.12	33.1	142.9	1.180	1494.8	1.52	
440.	437.0	9.214	9.165	34.579	26.763	26.754	44.078	90.7	2.09	32.3	136.6	1.208	1493.7	2.83	
460.	456.9	9.189	9.138	34.625	26.803	26.794	44.120	86.6	1.99	30.9	133.3	1.235	1494.0	2.55	
480.	476.7	9.101	9.048	34.667	26.850	26.841	44.173	83.1	1.91	29.6	129.2	1.261	1494.1	3.15	
500.	496.6	8.983	8.928	34.698	26.894	26.885	44.226	79.9	1.84	28.4	125.3	1.287	1494.0	3.55	
550.	546.2	8.197	8.140	34.641	26.971	26.962	44.373	83.4	1.92	29.1	118.1	1.348	1491.8	3.71	
600.	595.7	7.508	7.448	34.615	27.053	27.044	44.516	87.2	2.01	29.9	110.4	1.405	1490.0	2.55	
650.	645.3	7.244	7.180	34.617	27.093	27.083	44.580	86.7	1.99	29.6	107.2	1.459	1489.8	1.75	
700.	694.9	6.890	6.823	34.609	27.135	27.125	44.655	87.1	2.00	29.5	103.5	1.512	1489.3	1.96	
750.	744.4	6.384	6.315	34.602	27.198	27.188	44.764	88.7	2.04	29.7	97.5	1.562	1488.1	2.05	
800.	793.9	5.930	5.859	34.604	27.257	27.248	44.867	90.5	2.08	29.9	91.8	1.609	1487.1	2.90	
850.	843.4	5.702	5.627	34.595	27.280	27.270	44.911	92.5	2.13	30.4	89.9	1.655	1487.0	1.24	
900.	893.0	5.429	5.352	34.600	27.317	27.307	44.974	92.7	2.13	30.3	86.6	1.699	1486.8	0.87	
950.	942.5	5.203	5.122	34.604	27.347	27.338	45.027	94.5	2.17	30.7	83.8	1.741	1486.7	0.62	
1000.	991.9	4.939	4.856	34.601	27.376	27.366	45.081	97.3	2.24	31.5	81.1	1.782	1486.4	1.07	
1100.	1090.9	4.566	4.477	34.605	27.422	27.411	45.163	98.8	2.27	31.6	77.0	1.862	1486.6	0.62	
1200.	1189.8	4.265	4.169	34.617	27.464	27.453	45.236	100.5	2.31	32.0	73.3	1.937	1487.0	1.51	
1300.	1288.6	4.020	3.918	34.645	27.512	27.502	45.309	104.3	2.40	33.0	69.0	2.008	1487.7	2.23	
1400.	1387.4	3.789	3.681	34.663	27.551	27.540	45.370	108.5	2.50	34.1	65.6	2.076	1488.4	0.62	
1500.	1486.1	3.455	3.342	34.672	27.591	27.580	45.445	115.0	2.65	35.9	61.5	2.140	1488.7	0.62	
fin	1517.	1502.9	3.410	3.296	34.675	27.598	27.587	45.456	115.0	2.65	35.8	60.9	2.150	1488.8	1.07

Vitesse verticale moyenne du son entre 3. et 1517. dbar : 1494.8 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

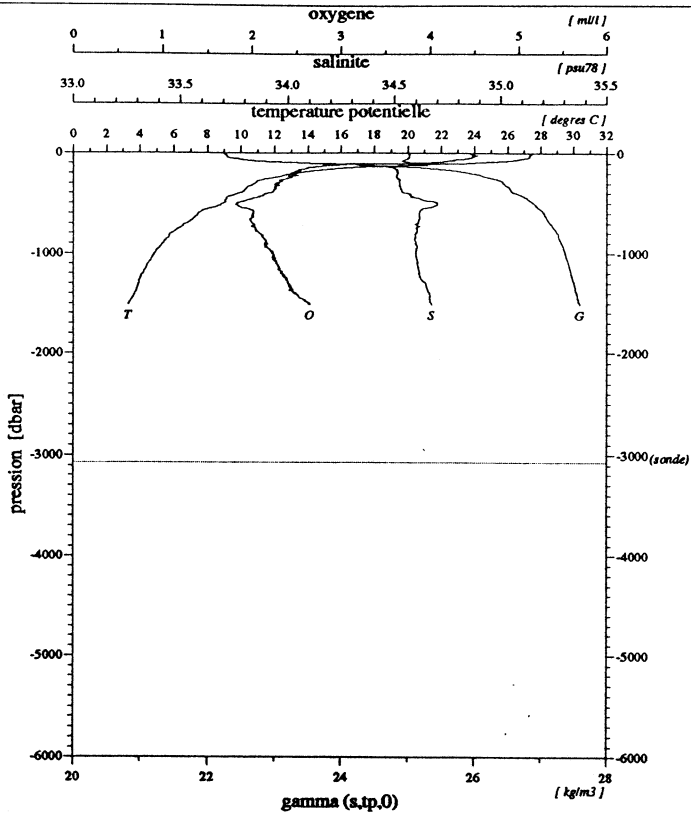


Diagramme salinite / oxygene

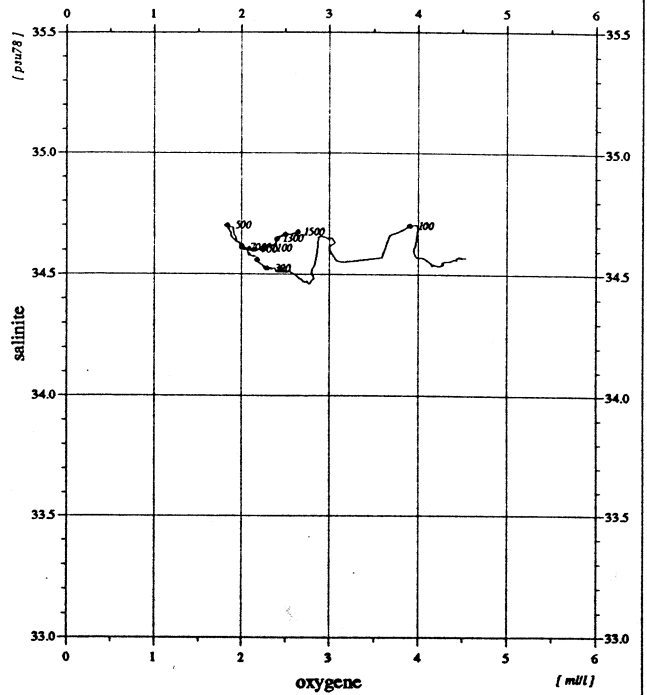


Diagramme temperature potentielle / salinite

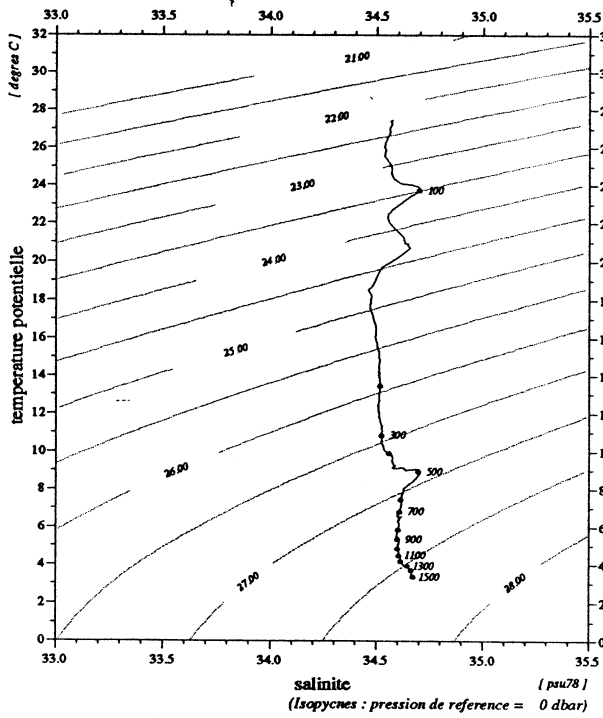
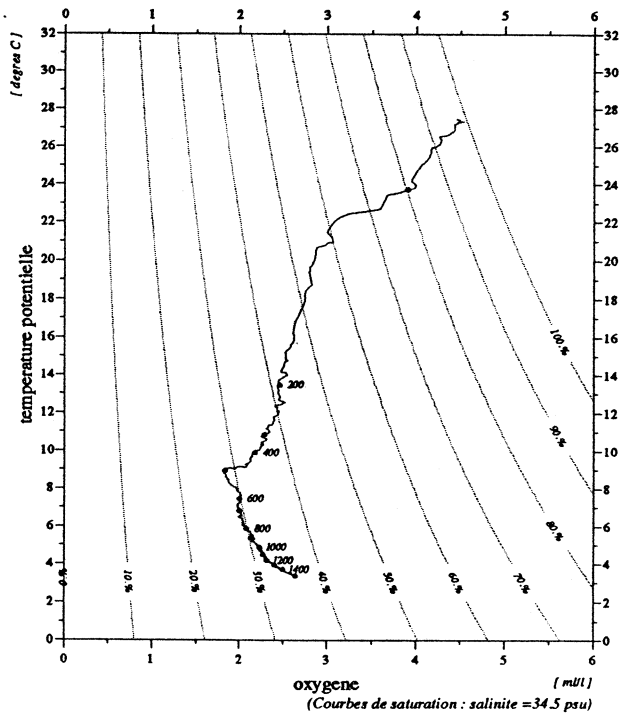


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	1517.
temperature	27.464	3.410
theta	27.463	3.296
salinite	34.573	34.675
gamma (s,tp,0)	22.250	27.598
oxygene	4.45	2.65

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 3029 m ( 3068 dbar)	
1-3-1992	10.43' 0 S
3.41 tu	115.41' 5 E

MD71/JADE2

Station 22.20

94/01/24  
13:40:58

STATION-2230

1

JADE 92

station : 22.30

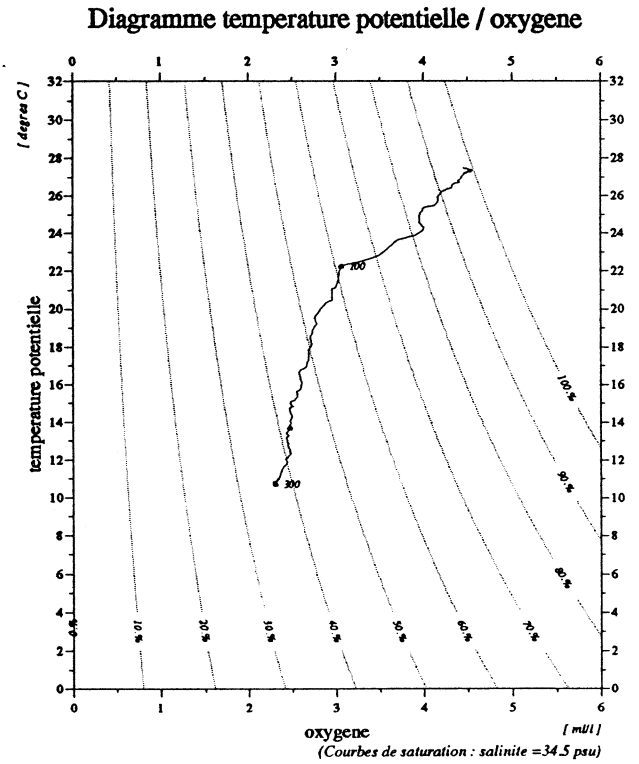
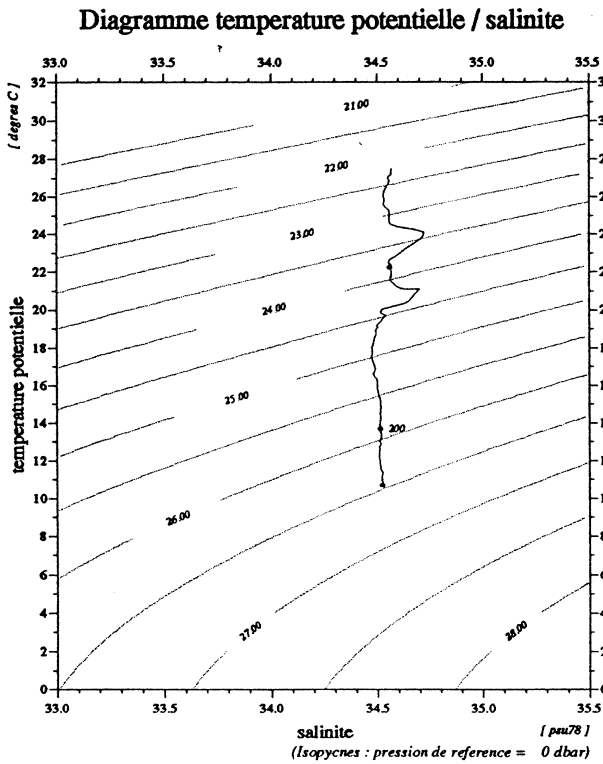
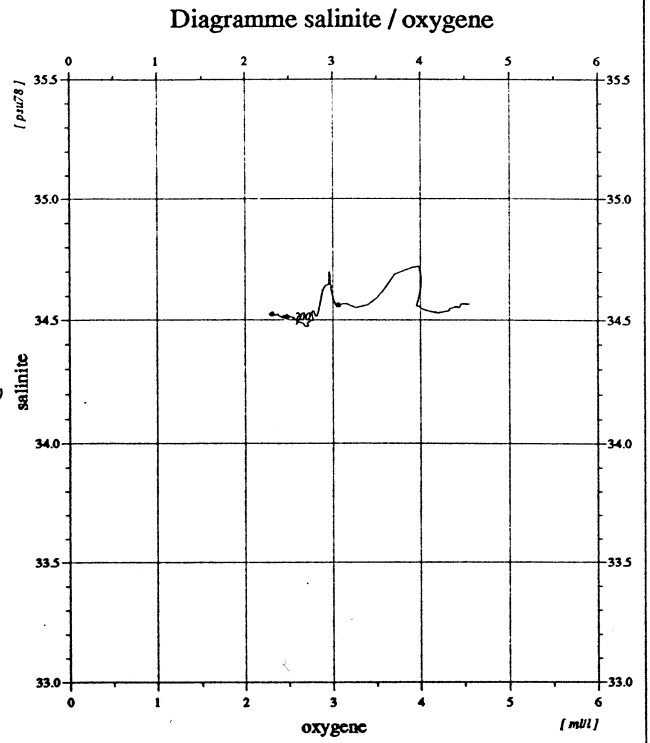
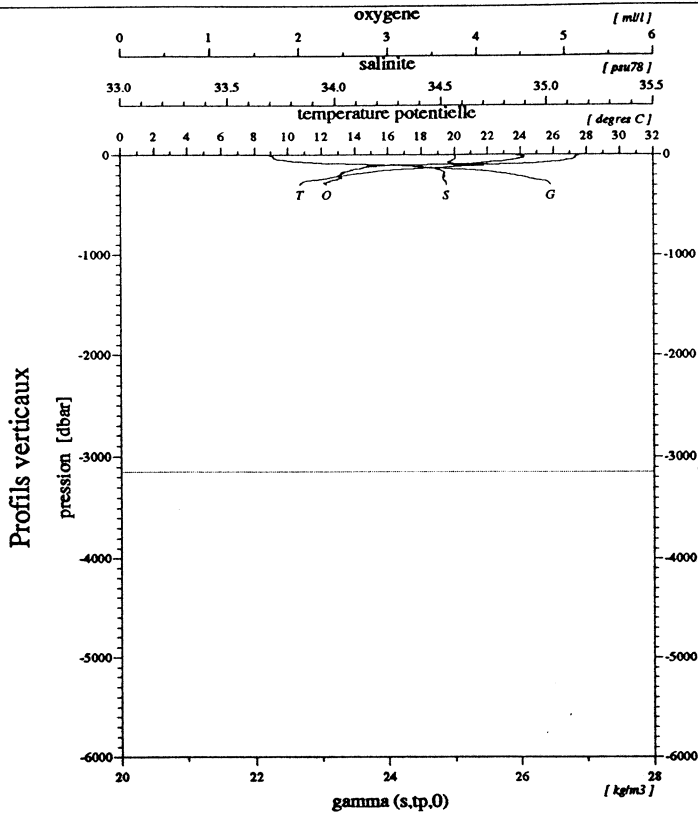
donnees reduites a 10 dbar

le 1/ 3/1992 a 5.49 tu -10.4343 115.4178 sonde: 3103 m (3144.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	27.500	27.499	34.568	22.234	22.232	38.387	194.8	4.46	97.9	559.0	0.000	1539.8	0.00
10.	9.9	27.452	27.450	34.567	22.249	22.247	38.404	196.8	4.51	98.8	558.0	0.045	1539.8	2.84
20.	19.9	27.343	27.338	34.566	22.285	22.281	38.445	197.9	4.53	99.2	555.0	0.100	1539.7	1.52
30.	29.8	27.314	27.307	34.566	22.294	22.290	38.456	197.5	4.52	98.9	554.6	0.156	1539.8	2.40
40.	39.8	27.222	27.212	34.567	22.326	22.321	38.492	195.7	4.48	97.9	552.0	0.211	1539.8	3.72
50.	49.7	26.822	26.811	34.556	22.446	22.440	38.631	192.1	4.40	95.5	541.0	0.266	1539.1	4.96
60.	59.7	26.565	26.552	34.545	22.519	22.513	38.717	189.0	4.33	93.5	534.4	0.320	1538.6	5.46
70.	69.6	25.917	25.902	34.533	22.713	22.707	38.943	181.8	4.16	89.0	516.3	0.372	1537.3	10.00
80.	79.5	25.261	25.243	34.557	22.934	22.927	39.196	174.5	4.00	84.5	495.5	0.423	1535.9	7.93
90.	89.5	24.118	24.099	34.721	23.403	23.395	39.719	174.0	3.99	82.7	451.1	0.471	1533.5	15.12
100.	99.4	22.260	22.240	34.562	23.819	23.812	40.238	133.7	3.06	61.5	411.6	0.513	1528.7	8.81
110.	109.3	21.067	21.046	34.694	24.250	24.243	40.733	128.7	2.95	58.0	370.7	0.552	1525.9	6.58
120.	119.3	19.551	19.529	34.529	24.527	24.520	41.102	120.2	2.76	52.7	344.5	0.588	1521.7	9.08
130.	129.2	18.653	18.630	34.491	24.727	24.720	41.358	118.5	2.72	51.1	325.7	0.621	1519.3	5.81
140.	139.2	17.538	17.514	34.473	24.988	24.981	41.690	117.1	2.69	49.4	301.0	0.652	1516.2	11.70
150.	149.1	16.501	16.477	34.484	25.242	25.235	42.011	112.6	2.59	46.6	276.9	0.681	1513.2	10.34
160.	159.0	15.689	15.664	34.503	25.443	25.436	42.267	111.5	2.56	45.4	258.0	0.708	1510.9	3.56
170.	169.0	15.160	15.134	34.516	25.570	25.563	42.430	108.8	2.50	43.9	246.0	0.733	1509.4	3.50
180.	178.9	14.830	14.803	34.518	25.644	25.637	42.527	108.1	2.48	43.3	239.2	0.757	1508.6	3.39
190.	188.8	14.163	14.135	34.514	25.784	25.778	42.715	107.9	2.48	42.7	226.0	0.780	1506.6	6.58
200.	198.8	13.715	13.686	34.515	25.878	25.871	42.841	107.9	2.48	42.3	217.2	0.802	1505.3	6.49
220.	218.6	12.808	12.778	34.512	26.060	26.053	43.090	106.5	2.45	41.0	200.2	0.844	1502.6	4.55
240.	238.5	12.132	12.101	34.510	26.190	26.183	43.271	106.3	2.44	40.3	188.1	0.883	1500.7	5.97
260.	258.4	11.137	11.104	34.521	26.384	26.378	43.543	102.5	2.36	38.1	169.7	0.919	1497.6	7.32
280.	278.2	10.863	10.829	34.524	26.436	26.429	43.617	99.5	2.29	36.7	165.2	0.952	1496.9	2.14
300.	298.1	10.744	10.707	34.526	26.459	26.452	43.649	100.4	2.31	37.0	163.4	0.985	1496.8	1.64
fin	301.	299.1	10.742	10.705	34.525	26.459	43.650	100.5	2.31	37.0	163.4	0.987	1496.9	0.00

Vitesse verticale moyenne du son entre 2. et 301. dbar : 1517.2 m/s  
Pression de reference pour gamprf : 4000. dbar





	debut	fin
pression	2.	301.
temperature	27.500	10.742
theta	27.499	10.705
salinite	34.568	34.525
gamma (s, tp, 0)	22.234	26.459
oxygene	4.46	2.31

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 3103 m (3144 dbar)  
1-3-1992 10.43' 4 S  
5.49 tu 115.41' 7 E

MD71/JADE2

Station 22.30



Profils verticaux

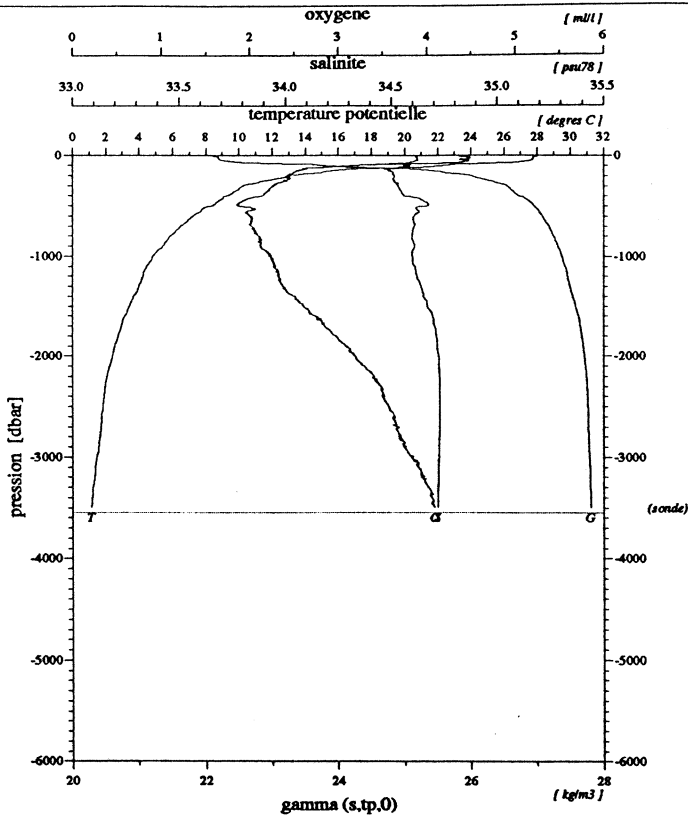


Diagramme salinite / oxygen

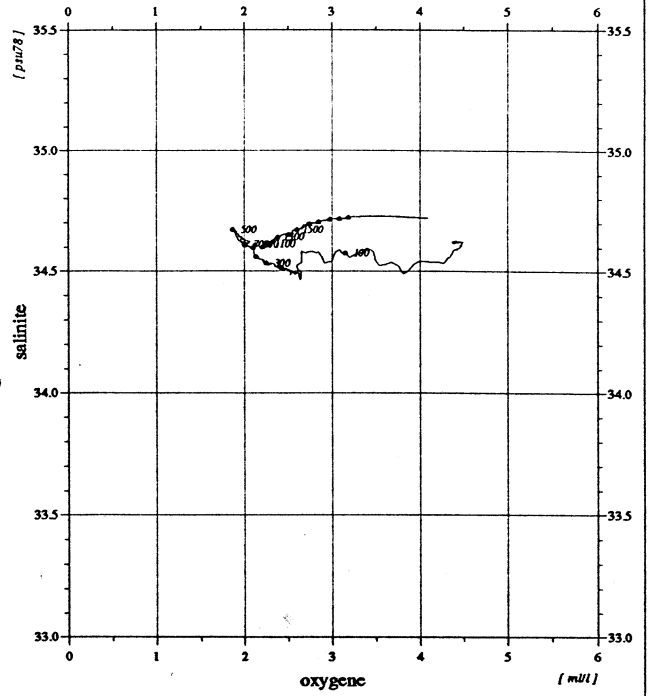


Diagramme temperature potentielle / salinite

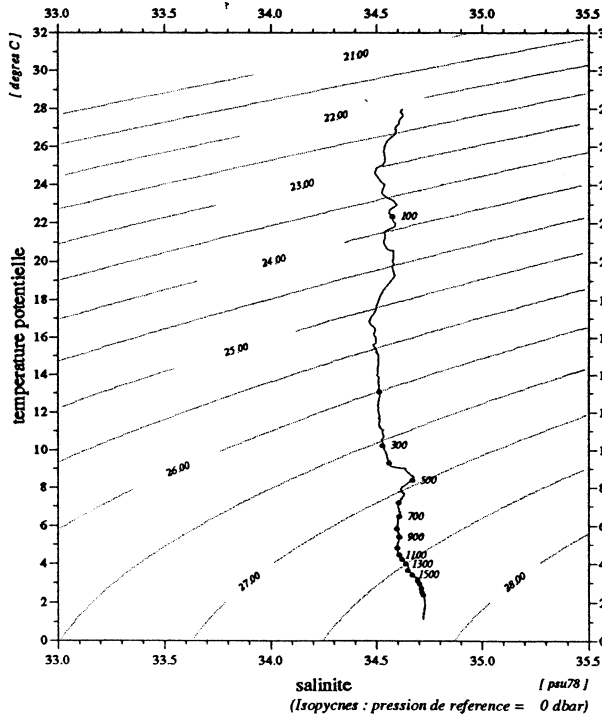
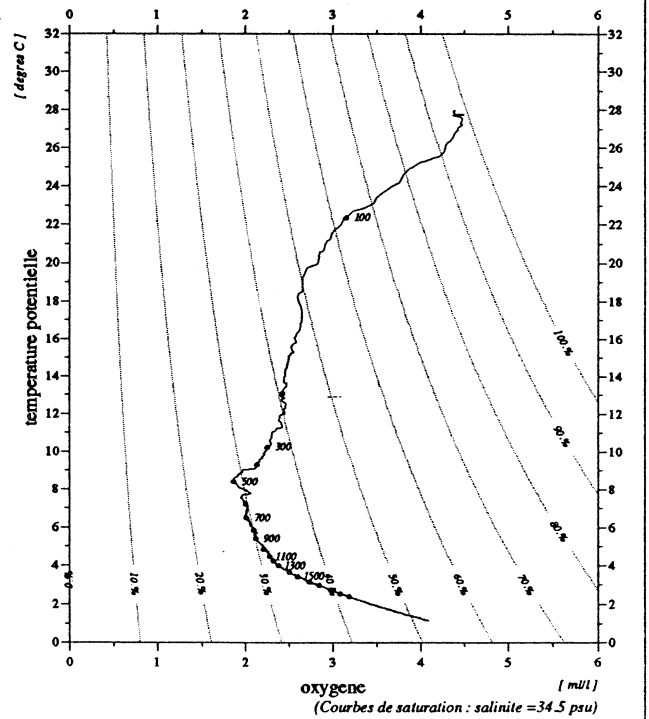


Diagramme temperature potentielle / oxygen



	debut	fin
pression	2.	3495.
temperature	27.981	1.400
theta	27.980	1.137
salinite	34.618	34.718
gamma (s, tp, 0)	22.116	27.810
oxygen	4.38	4.09

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 3497 m (3546 dbar)	
1- 3-1992	10.24' 3 S
9.29 tu	115.36' 1 E

MD71/JADE2

Station 23.10

94/01/24  
13:41:16

STATION-2320

1

JADE 92

station : 23.20

donnees reduites a 10 dbar

le 1/ 3/1992 a 12.31 tu -10.2398 115.3633 sonde: 3377 m (3424.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	27.832	27.832	34.595	22.147	22.144	38.283	199.0	4.55	100.5	567.4	0.000	1540.6	0.00
10.	9.9	27.840	27.838	34.594	22.144	22.141	38.281	197.5	4.52	99.8	568.0	0.045	1540.7	0.62
20.	19.9	27.814	27.809	34.598	22.156	22.153	38.294	198.3	4.54	100.2	567.4	0.102	1540.8	2.44
30.	29.8	27.749	27.742	34.610	22.188	22.183	38.328	193.6	4.43	97.7	564.8	0.159	1540.9	4.07
40.	39.8	27.709	27.699	34.613	22.203	22.198	38.346	200.0	4.58	100.9	563.8	0.215	1540.9	1.86
50.	49.7	27.656	27.644	34.614	22.222	22.216	38.367	198.0	4.53	99.7	562.4	0.272	1541.0	4.21
60.	59.7	27.301	27.287	34.596	22.324	22.317	38.486	198.3	4.54	99.3	553.2	0.327	1540.4	7.35
70.	69.6	26.594	26.579	34.564	22.525	22.518	38.721	196.9	4.51	97.5	534.3	0.382	1538.9	8.21
80.	79.5	25.643	25.625	34.534	22.800	22.792	39.042	183.6	4.20	89.4	508.5	0.434	1536.8	9.73
90.	89.5	23.191	23.173	34.536	23.533	23.527	39.902	153.5	3.52	71.7	438.5	0.481	1530.9	13.40
100.	99.4	22.327	22.308	34.584	23.817	23.810	40.231	142.6	3.27	65.7	411.8	0.523	1528.9	3.82
110.	109.3	21.275	21.253	34.555	24.087	24.080	40.561	133.3	3.06	60.3	386.3	0.563	1526.3	12.23
120.	119.3	19.941	19.919	34.621	24.495	24.488	41.045	124.4	2.85	54.9	347.6	0.600	1522.9	8.08
130.	129.2	18.572	18.549	34.562	24.801	24.795	41.436	118.0	2.71	50.8	318.6	0.634	1519.1	10.34
140.	139.2	17.478	17.455	34.507	25.028	25.021	41.733	114.3	2.62	48.2	297.1	0.664	1516.0	5.14
150.	149.1	15.903	15.879	34.496	25.388	25.382	42.198	113.7	2.61	46.5	262.8	0.692	1511.4	5.94
160.	159.0	15.029	15.004	34.505	25.590	25.584	42.460	111.5	2.56	44.9	243.7	0.717	1508.8	5.14
170.	169.0	14.277	14.252	34.496	25.745	25.740	42.668	108.6	2.49	43.1	229.1	0.741	1506.6	7.03
180.	178.9	13.820	13.795	34.512	25.853	25.847	42.808	107.1	2.46	42.1	219.0	0.763	1505.3	6.13
190.	188.8	13.466	13.439	34.511	25.926	25.920	42.907	108.1	2.48	42.1	212.3	0.785	1504.3	5.71
200.	198.8	13.104	13.076	34.515	26.002	25.996	43.010	106.2	2.44	41.1	205.2	0.805	1503.3	6.58
220.	218.6	12.548	12.518	34.513	26.111	26.105	43.161	103.8	2.38	39.7	195.2	0.846	1501.7	3.45
240.	238.5	11.781	11.750	34.514	26.260	26.253	43.368	101.7	2.34	38.3	181.3	0.883	1499.5	6.28
260.	258.4	11.240	11.208	34.515	26.360	26.354	43.511	100.3	2.31	37.4	172.0	0.919	1497.9	4.20
280.	278.2	11.007	10.972	34.532	26.417	26.410	43.586	98.7	2.27	36.6	167.1	0.953	1497.4	2.70
300.	298.1	10.320	10.284	34.533	26.539	26.533	43.764	95.2	2.19	34.8	155.5	0.985	1495.3	1.75
320.	317.9	10.065	10.028	34.541	26.589	26.582	43.834	94.7	2.18	34.4	151.1	1.015	1494.8	1.96
340.	337.8	9.863	9.823	34.546	26.628	26.621	43.889	94.2	2.17	34.1	147.8	1.045	1494.4	4.15
360.	357.6	9.659	9.618	34.550	26.665	26.658	43.944	92.1	2.12	33.2	144.5	1.074	1494.0	1.52
380.	377.5	9.517	9.475	34.556	26.694	26.686	43.984	90.8	2.09	32.6	142.1	1.103	1493.8	1.52
400.	397.3	9.199	9.155	34.569	26.756	26.749	44.073	91.8	2.11	32.7	136.4	1.131	1493.0	4.71
420.	417.2	9.084	9.038	34.623	26.817	26.809	44.142	86.1	1.98	30.6	131.0	1.158	1493.0	2.62
440.	437.0	9.042	8.994	34.636	26.835	26.827	44.163	84.9	1.95	30.2	129.7	1.184	1493.2	3.27
460.	456.9	8.879	8.829	34.648	26.870	26.862	44.212	83.9	1.93	29.7	126.6	1.210	1492.9	4.33
480.	476.7	8.722	8.670	34.666	26.909	26.900	44.264	81.5	1.88	28.8	123.2	1.235	1492.7	2.62
500.	496.6	8.557	8.503	34.676	26.943	26.934	44.312	80.1	1.84	28.2	120.2	1.259	1492.4	3.55
550.	546.2	7.754	7.699	34.630	27.028	27.020	44.469	85.3	1.96	29.4	112.2	1.317	1490.1	1.38
600.	595.7	7.148	7.090	34.603	27.094	27.085	44.590	86.6	1.99	29.5	106.1	1.371	1488.6	1.24
650.	645.3	6.853	6.791	34.604	27.136	27.127	44.659	86.9	2.00	29.4	102.5	1.424	1488.3	1.64
700.	694.9	6.469	6.404	34.605	27.188	27.179	44.747	88.3	2.03	29.6	97.8	1.473	1487.6	0.87
750.	744.4	6.261	6.192	34.602	27.213	27.204	44.792	89.0	2.05	29.7	95.8	1.522	1487.6	0.87
800.	793.9	5.909	5.838	34.598	27.256	27.247	44.867	90.6	2.09	30.0	91.9	1.569	1487.0	1.51
850.	843.5	5.650	5.576	34.609	27.297	27.288	44.933	91.2	2.10	30.0	88.2	1.614	1486.8	1.24
900.	893.0	5.471	5.394	34.607	27.317	27.308	44.970	92.2	2.12	30.2	86.6	1.658	1486.9	0.87
950.	942.5	5.153	5.073	34.599	27.349	27.339	45.033	94.6	2.18	30.8	83.6	1.701	1486.5	0.62
1000.	991.9	4.918	4.835	34.597	27.375	27.365	45.082	97.5	2.24	31.5	81.2	1.742	1486.3	1.51
1100.	1090.9	4.586	4.497	34.605	27.419	27.409	45.159	98.8	2.27	31.7	77.4	1.821	1486.7	1.51
1200.	1189.8	4.340	4.244	34.620	27.459	27.448	45.223	100.9	2.32	32.2	74.0	1.896	1487.3	0.62
1300.	1288.6	4.069	3.966	34.641	27.505	27.494	45.296	103.8	2.39	32.9	69.9	1.968	1487.9	1.51
1400.	1387.4	3.772	3.664	34.651	27.543	27.532	45.364	108.4	2.49	34.1	66.3	2.036	1488.3	0.62
1500.	1486.2	3.535	3.421	34.670	27.582	27.570	45.427	113.1	2.60	35.4	62.7	2.101	1489.0	0.00
fin 1504.	1490.1	3.522	3.407	34.671	27.584	27.573	45.431	113.3	2.61	35.4	62.5	2.103	1489.0	1.24

Vitesse verticale moyenne du son entre 2. et 1504. dbar : 1494.3 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

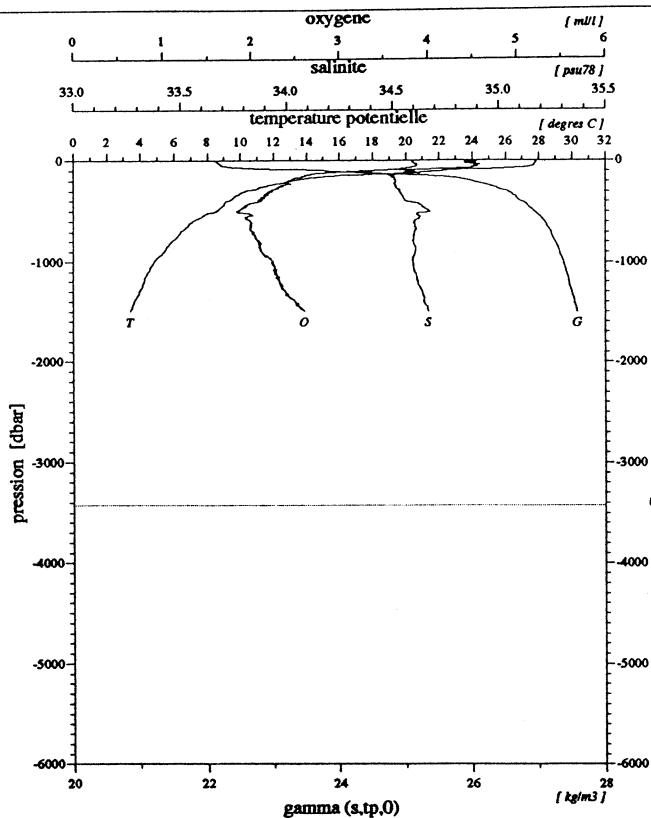


Diagramme salinite / oxygene

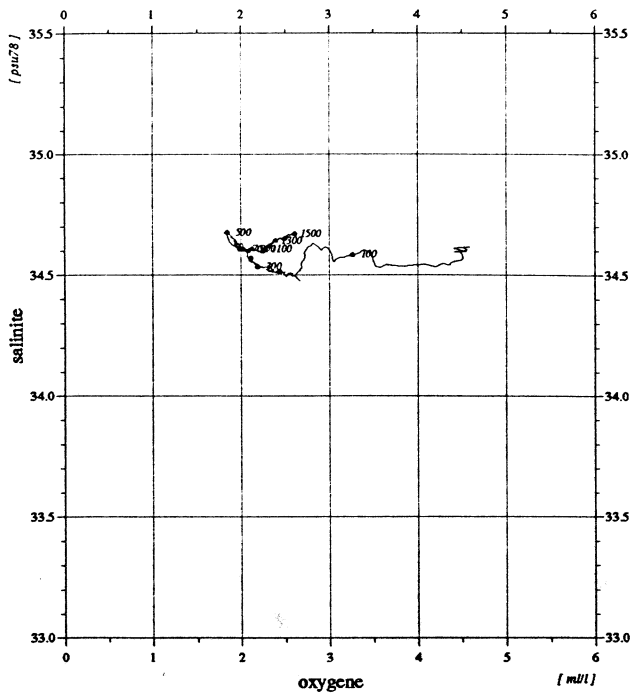


Diagramme temperature potentielle / salinite

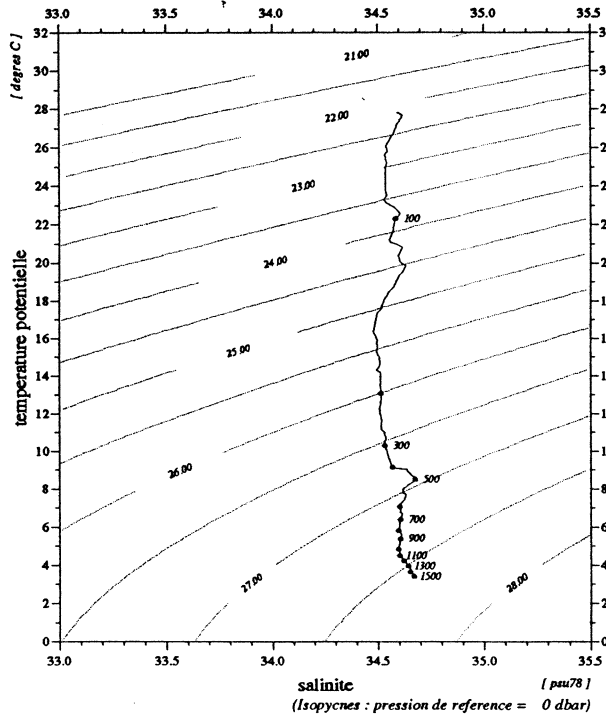
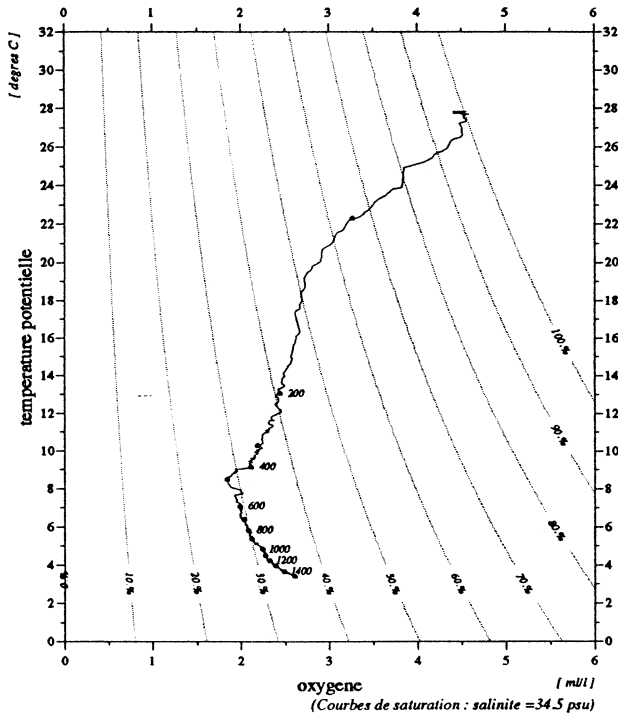


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1504.
temperature	27.832	3.522
theta	27.832	3.408
salinite	34.595	34.671
gamma (s,tp,0)	22.147	27.584
oxygene	4.55	2.61

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 3377 m ( 3424 dbar)	
1- 3-1992	10.23' 9 S
12.31 tu	115.36' 3 E

MD71/JADE2

Station 23.20

94/01/24  
13:41:17

STATION-2330

1

JADE 92

station : 23.30

donnees reduites a 10 dbar

le 1/ 3/1992 a 14.23 tu -10.2391 115.3608 sonde: 3459 m (3508.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
3.	3.0	27.718	27.718	34.576	22.170	22.167	38.312	200.2	4.58	100.9	565.3	0.000	1540.3	0.00	
10.	9.9	27.730	27.728	34.581	22.170	22.167	38.312	200.3	4.58	101.0	565.5	0.040	1540.5	1.39	
20.	19.9	27.705	27.700	34.591	22.187	22.183	38.330	201.6	4.61	101.6	564.4	0.096	1540.6	3.22	
30.	29.8	27.645	27.638	34.596	22.211	22.206	38.356	204.4	4.68	102.9	562.6	0.152	1540.6	0.88	
40.	39.8	27.596	27.586	34.598	22.229	22.223	38.376	206.4	4.72	103.9	561.4	0.209	1540.7	3.90	
50.	49.7	27.478	27.466	34.602	22.271	22.265	38.424	201.7	4.62	101.3	557.8	0.265	1540.6	5.22	
60.	59.7	26.821	26.807	34.567	22.455	22.449	38.640	201.0	4.60	99.8	540.6	0.320	1539.2	9.42	
70.	69.6	25.718	25.703	34.543	22.783	22.776	39.022	188.2	4.31	91.8	509.6	0.373	1536.8	13.12	
80.	79.5	23.623	23.606	34.555	23.422	23.415	39.767	152.3	3.49	71.7	448.8	0.421	1531.9	14.95	
90.	89.5	22.374	22.356	34.605	23.820	23.813	40.231	144.3	3.31	66.6	411.1	0.463	1528.9	4.25	
100.	99.4	21.140	21.121	34.561	24.129	24.122	40.610	131.4	3.01	59.3	381.9	0.503	1525.8	11.42	
110.	109.3	19.865	19.845	34.627	24.519	24.513	41.073	123.3	2.83	54.4	344.9	0.539	1522.5	13.09	
120.	119.3	18.480	18.459	34.570	24.830	24.823	41.470	115.5	2.65	49.7	315.5	0.573	1518.7	5.91	
130.	129.2	17.307	17.285	34.511	25.072	25.066	41.788	113.5	2.61	47.7	292.6	0.603	1515.3	12.73	
140.	139.2	16.320	16.298	34.497	25.293	25.287	42.075	113.2	2.60	46.7	271.6	0.631	1512.5	4.38	
150.	149.1	15.680	15.657	34.498	25.440	25.434	42.265	111.0	2.55	45.2	257.9	0.657	1510.7	9.83	
160.	159.0	14.980	14.956	34.508	25.603	25.597	42.476	110.1	2.53	44.2	242.5	0.682	1508.7	4.55	
170.	169.0	14.360	14.335	34.512	25.740	25.734	42.656	108.3	2.49	43.0	229.7	0.705	1506.9	5.77	
180.	178.9	13.818	13.792	34.509	25.852	25.846	42.807	108.0	2.48	42.4	219.1	0.728	1505.3	7.35	
190.	188.8	13.416	13.389	34.511	25.936	25.930	42.921	105.8	2.43	41.2	211.3	0.749	1504.1	6.16	
200.	198.8	12.953	12.926	34.515	26.032	26.026	43.052	106.6	2.45	41.1	202.3	0.770	1502.8	4.63	
220.	218.6	11.933	11.905	34.512	26.229	26.223	43.325	104.2	2.39	39.4	183.8	0.809	1499.6	4.79	
240.	238.5	11.457	11.427	34.515	26.320	26.314	43.454	102.5	2.36	38.3	175.4	0.845	1498.3	3.91	
260.	258.4	11.095	11.063	34.521	26.391	26.385	43.554	99.4	2.28	36.9	169.0	0.879	1497.4	4.99	
280.	278.2	10.483	10.449	34.530	26.508	26.502	43.719	97.5	2.24	35.7	158.1	0.912	1495.6	2.62	
300.	298.1	10.164	10.129	34.539	26.570	26.564	43.807	95.1	2.18	34.6	152.5	0.943	1494.8	2.31	
fin	304.	302.1	10.144	10.109	34.539	26.574	26.567	43.812	95.5	2.19	34.7	152.2	0.949	1494.8	1.38

Vitesse verticale moyenne du son entre 3. et 304. dbar : 1515.2 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

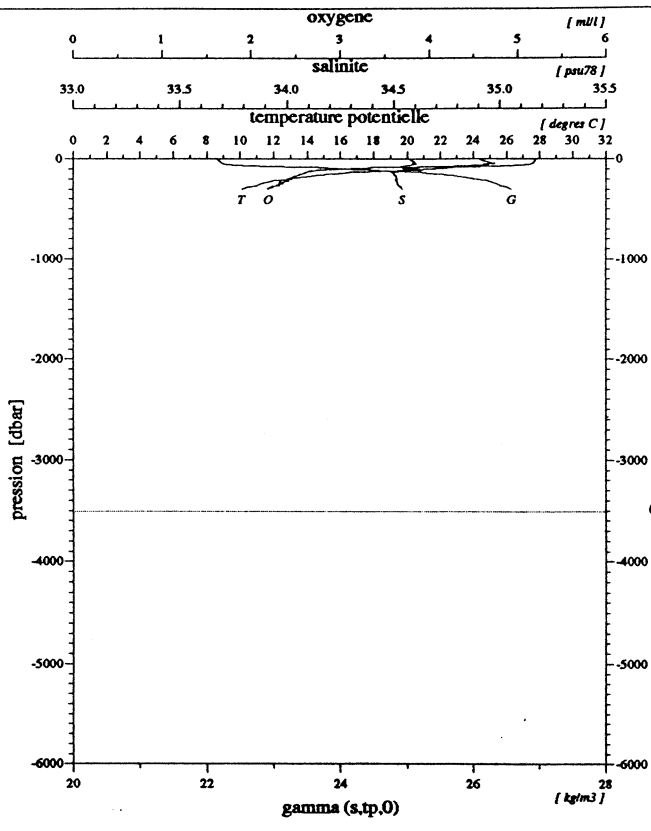


Diagramme salinite / oxygen

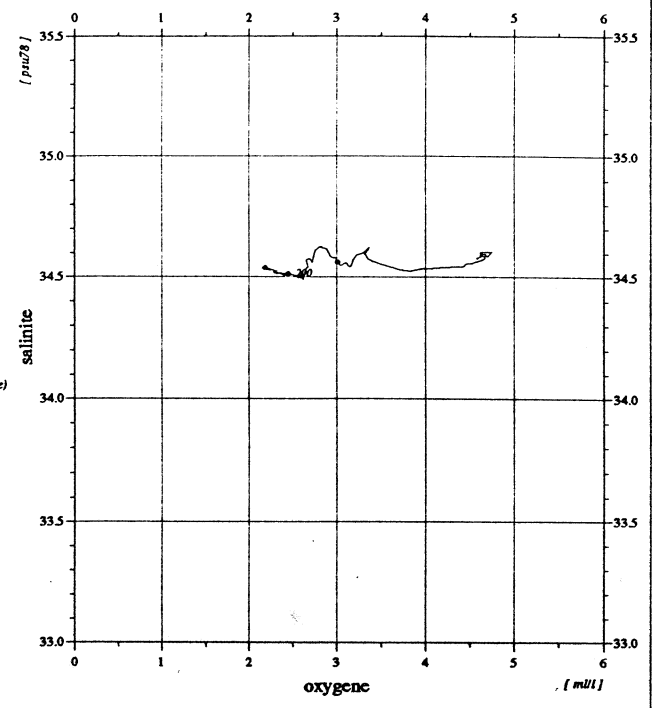


Diagramme temperature potentielle / salinite

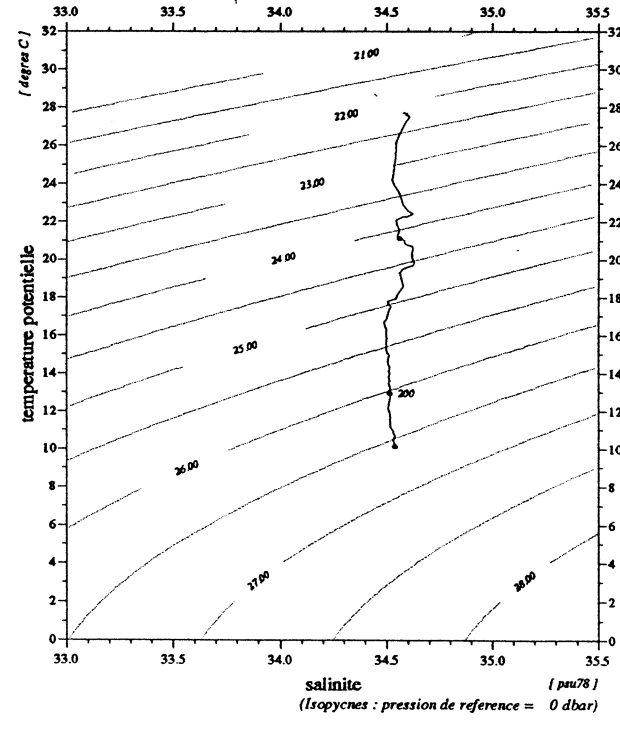
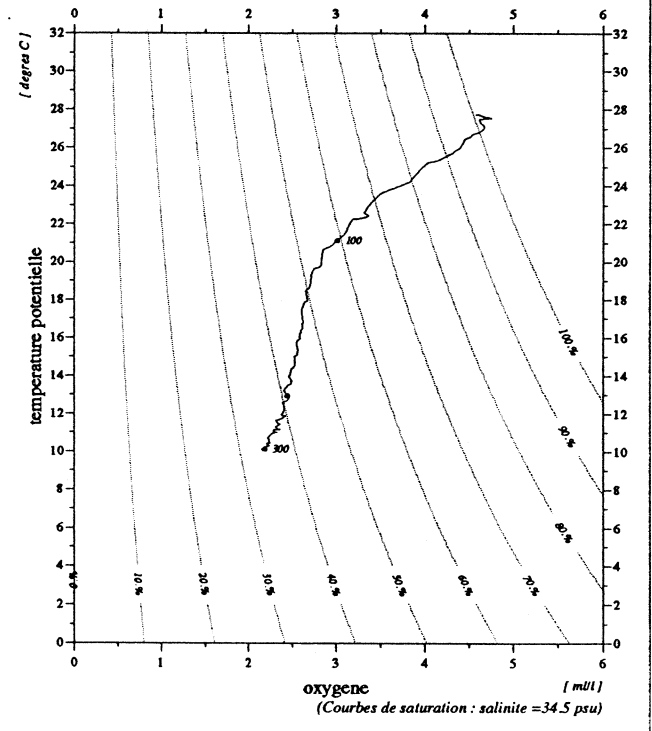


Diagramme temperature potentielle / oxygen



	debut	fin
pression	3.	304.
temperature	27.718	10.144
theta	27.718	10.109
salinite	34.576	34.539
gamma (s.t.p.0)	22.170	26.574
oxygen	4.58	2.19

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 3459 m ( 3508 dbar )	
1- 3-1992	10.23' 9 S
14.23 tu	115.36' 0 E

MD71/JADE2

Station 23.30





Profils verticaux

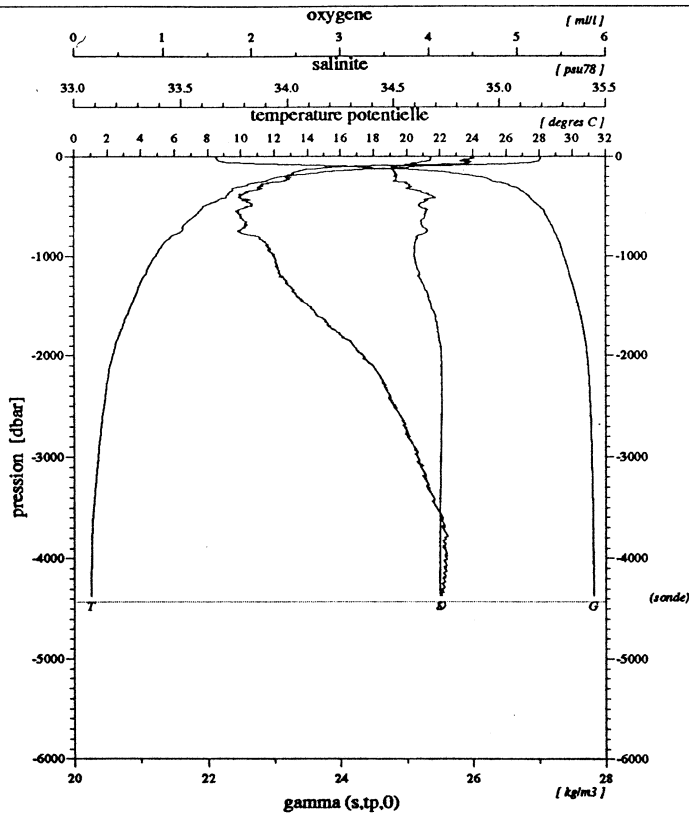


Diagramme salinite / oxygene

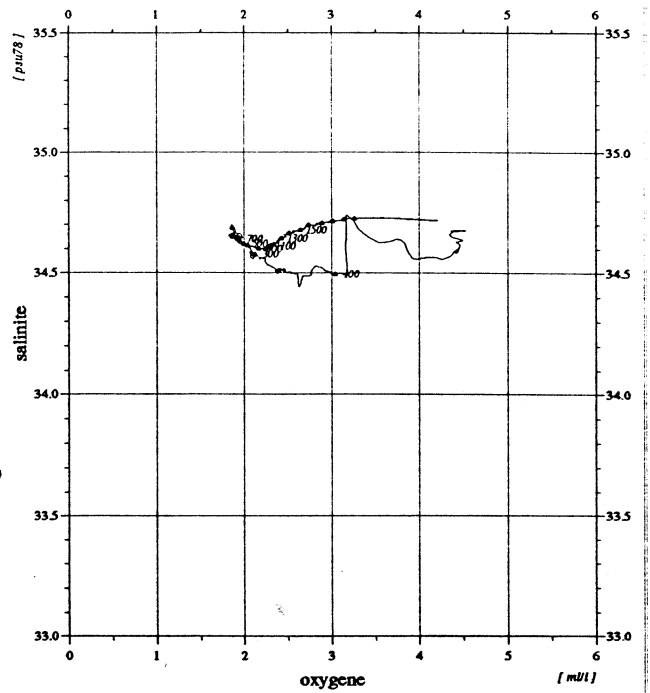


Diagramme temperature potentielle / salinite

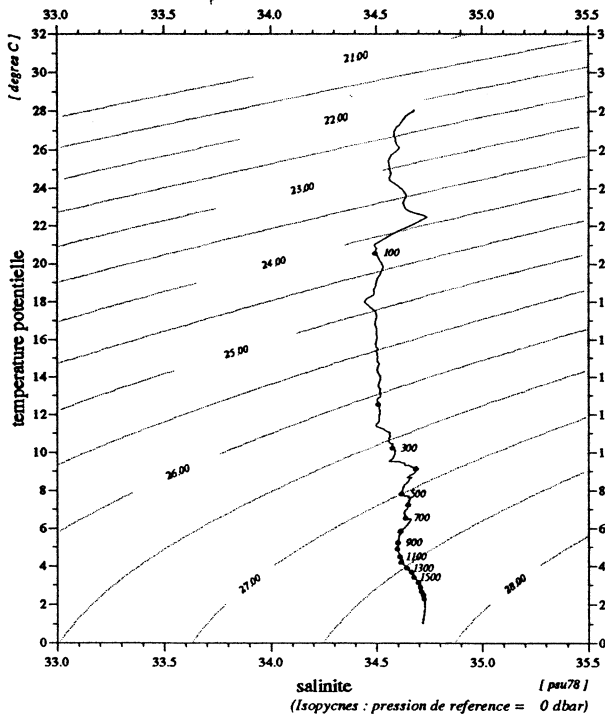
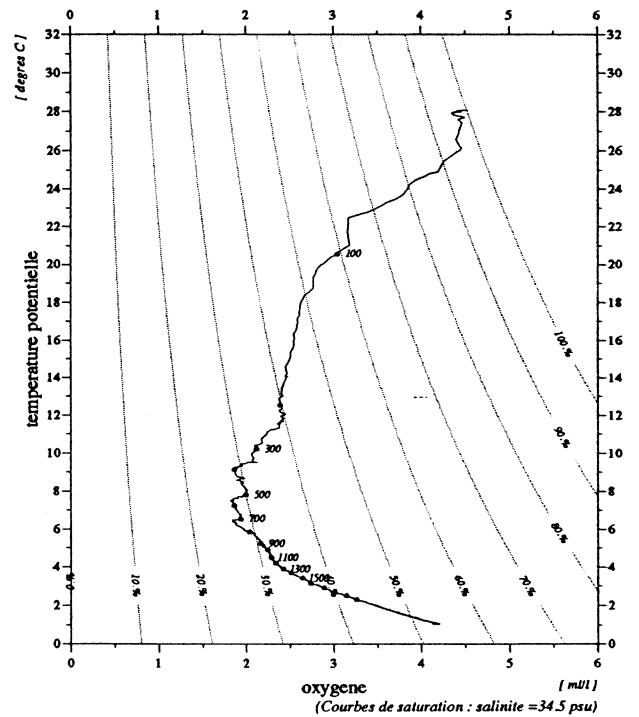


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	4370.
temperature	28.070	1.372
theta	28.070	1.016
salinite	34.675	34.717
gamma (s,tp,0)	22.130	27.817
oxygene	4.47	4.14

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 4356 m (4426 dbar)	
1- 3-1992	10.4' 3 S
18.12 tu	115.30' 4 E

MD71/JADE2

Station 24.10

94/01/24  
13:41:40

STATION-2420

1

JADE 92

station : 24.20

donnees reduites a 10 dbar

le 1/ 3/1992 a 21.50 tu -10.0457 115.2989 sonde: 4356 m (4426.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	28.030	28.030	34.676	22.143	22.141	38.270	193.9	4.44	98.3	567.7	0.000	1541.1	0.00	
10.	9.9	28.027	28.024	34.675	22.145	22.142	38.271	196.3	4.49	99.5	568.0	0.045	1541.2	0.00	
20.	19.9	28.025	28.020	34.675	22.146	22.142	38.272	197.0	4.51	99.9	568.3	0.102	1541.4	0.00	
30.	29.8	28.037	28.030	34.675	22.143	22.138	38.269	195.4	4.47	99.1	569.2	0.159	1541.6	0.00	
40.	39.8	28.041	28.032	34.674	22.141	22.136	38.267	190.8	4.37	96.7	569.7	0.216	1541.8	0.00	
50.	49.7	27.809	27.797	34.640	22.192	22.186	38.330	191.0	4.37	96.5	565.3	0.273	1541.4	7.50	
60.	59.7	27.304	27.291	34.605	22.329	22.323	38.491	190.7	4.37	95.5	552.6	0.329	1540.4	10.99	
70.	69.6	26.241	26.226	34.610	22.670	22.664	38.882	189.2	4.33	93.1	520.4	0.382	1538.1	4.98	
80.	79.5	24.771	24.753	34.603	23.118	23.111	39.403	180.5	4.13	86.7	478.0	0.433	1534.8	15.78	
90.	89.5	22.800	22.782	34.677	23.753	23.746	40.140	146.3	3.35	68.0	417.6	0.478	1530.1	15.70	
100.	99.4	20.985	20.966	34.520	24.139	24.133	40.630	133.4	3.06	60.0	380.9	0.517	1525.3	7.56	
110.	109.3	20.124	20.103	34.539	24.384	24.378	40.926	125.4	2.88	55.5	357.8	0.554	1523.1	8.93	
120.	119.3	19.683	19.661	34.546	24.505	24.498	41.072	121.1	2.78	53.2	346.6	0.590	1522.1	8.71	
130.	129.2	18.798	18.775	34.513	24.707	24.700	41.329	116.7	2.68	50.4	327.6	0.623	1519.7	6.87	
140.	139.2	17.677	17.653	34.507	24.980	24.974	41.673	113.0	2.59	47.8	301.7	0.655	1516.6	9.37	
150.	149.1	16.936	16.911	34.502	25.154	25.148	41.895	111.0	2.55	46.3	285.3	0.684	1514.6	11.57	
160.	159.0	15.586	15.561	34.501	25.464	25.458	42.295	109.3	2.51	44.4	255.9	0.711	1510.6	8.64	
170.	169.0	14.806	14.780	34.509	25.642	25.636	42.527	108.8	2.50	43.6	239.1	0.736	1508.3	3.96	
180.	178.9	14.491	14.464	34.510	25.711	25.705	42.618	108.1	2.48	43.0	232.7	0.760	1507.5	5.64	
190.	188.8	14.050	14.023	34.517	25.810	25.804	42.749	106.9	2.46	42.2	223.5	0.782	1506.2	1.96	
200.	198.8	13.391	13.363	34.516	25.945	25.939	42.932	105.8	2.43	41.2	210.7	0.804	1504.2	5.87	
220.	218.6	12.472	12.443	34.510	26.124	26.118	43.180	104.7	2.41	40.0	194.0	0.844	1501.5	5.81	
240.	238.5	11.873	11.842	34.507	26.236	26.230	43.338	106.1	2.44	40.1	183.6	0.882	1499.8	3.86	
260.	258.4	11.465	11.432	34.500	26.308	26.301	43.442	103.5	2.38	38.7	177.1	0.918	1498.7	3.22	
280.	278.2	11.005	10.970	34.562	26.440	26.434	43.609	97.2	2.23	36.0	164.8	0.952	1497.5	6.13	
300.	298.1	10.496	10.460	34.585	26.549	26.542	43.758	93.2	2.14	34.2	154.7	0.985	1496.0	4.59	
320.	317.9	10.382	10.344	34.579	26.564	26.557	43.782	91.3	2.10	33.4	153.7	1.015	1496.0	3.55	
340.	337.8	9.781	9.742	34.582	26.669	26.662	43.937	89.1	2.05	32.2	143.8	1.045	1494.1	1.64	
360.	357.7	9.611	9.570	34.581	26.698	26.690	43.979	91.0	2.09	32.7	141.4	1.074	1493.8	2.05	
380.	377.5	9.482	9.439	34.612	26.743	26.736	44.035	87.8	2.02	31.5	137.4	1.101	1493.7	4.42	
400.	397.4	9.343	9.298	34.652	26.798	26.790	44.101	83.5	1.92	29.9	132.6	1.128	1493.6	1.64	
420.	417.2	9.328	9.281	34.670	26.815	26.807	44.118	81.2	1.87	29.1	131.4	1.155	1493.9	2.31	
440.	437.0	9.233	9.184	34.672	26.832	26.823	44.143	81.6	1.88	29.1	130.1	1.181	1493.9	1.75	
460.	456.9	9.166	9.115	34.699	26.864	26.856	44.181	81.1	1.87	28.9	127.5	1.207	1494.0	1.75	
480.	476.7	8.808	8.756	34.660	26.891	26.883	44.239	85.3	1.96	30.2	124.9	1.232	1493.0	2.05	
500.	496.6	8.418	8.365	34.640	26.936	26.928	44.318	84.2	1.94	29.5	120.7	1.257	1491.8	1.96	
550.	546.2	7.740	7.685	34.629	27.029	27.021	44.471	83.9	1.93	29.0	112.0	1.314	1490.1	1.64	
600.	595.7	7.458	7.398	34.653	27.089	27.080	44.556	80.0	1.84	27.4	106.9	1.369	1489.9	1.86	
650.	645.3	7.040	6.977	34.633	27.133	27.124	44.639	82.5	1.90	28.0	103.0	1.421	1489.0	0.87	
700.	694.9	6.708	6.642	34.630	27.177	27.167	44.713	84.2	1.94	28.4	99.3	1.472	1488.6	1.24	
750.	744.4	6.620	6.549	34.660	27.213	27.203	44.756	80.7	1.86	27.2	96.5	1.520	1489.1	1.52	
800.	793.9	6.426	6.352	34.655	27.234	27.224	44.796	81.0	1.86	27.1	94.9	1.568	1489.2	0.62	
850.	843.5	5.938	5.862	34.629	27.277	27.267	44.885	87.5	2.01	29.0	90.7	1.615	1488.0	1.07	
900.	893.0	5.473	5.395	34.601	27.313	27.303	44.966	92.2	2.12	30.2	87.0	1.659	1486.9	1.07	
950.	942.5	5.216	5.135	34.599	27.342	27.332	45.020	94.5	2.17	30.7	84.4	1.702	1486.7	1.51	
1000.	992.0	5.057	4.973	34.601	27.362	27.352	45.056	95.7	2.20	31.0	82.7	1.744	1486.9	0.00	
1100.	1090.9	4.711	4.621	34.605	27.405	27.395	45.133	97.8	2.25	31.5	79.0	1.825	1487.2	1.07	
1200.	1189.8	4.446	4.349	34.620	27.447	27.436	45.201	99.2	2.28	31.7	75.4	1.902	1487.8	0.62	
1300.	1288.6	4.103	4.001	34.632	27.494	27.483	45.282	103.3	2.38	32.7	71.0	1.975	1488.0	1.38	
1400.	1387.4	3.889	3.780	34.657	27.536	27.524	45.345	106.3	2.44	33.5	67.4	2.044	1488.8	1.07	
1500.	1486.2	3.602	3.487	34.672	27.577	27.566	45.416	111.4	2.56	34.9	63.4	2.110	1489.3	1.07	
fin	1519.	1504.9	3.553	3.437	34.675	27.585	27.573	45.428	113.1	2.60	35.4	62.7	2.122	1489.4	0.87

Vitesse verticale moyenne du son entre 2. et 1519. dbar : 1494.7 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

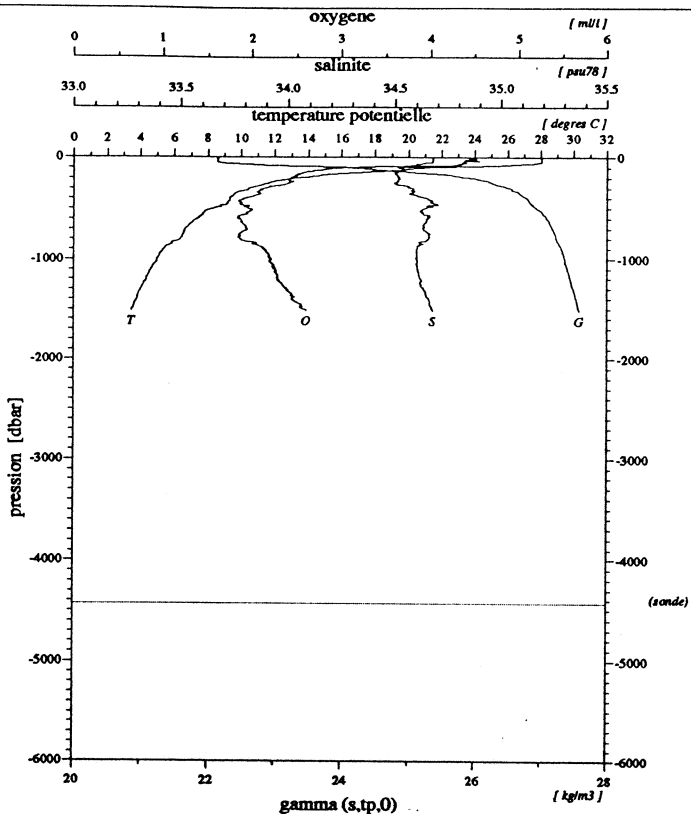


Diagramme salinite / oxygene

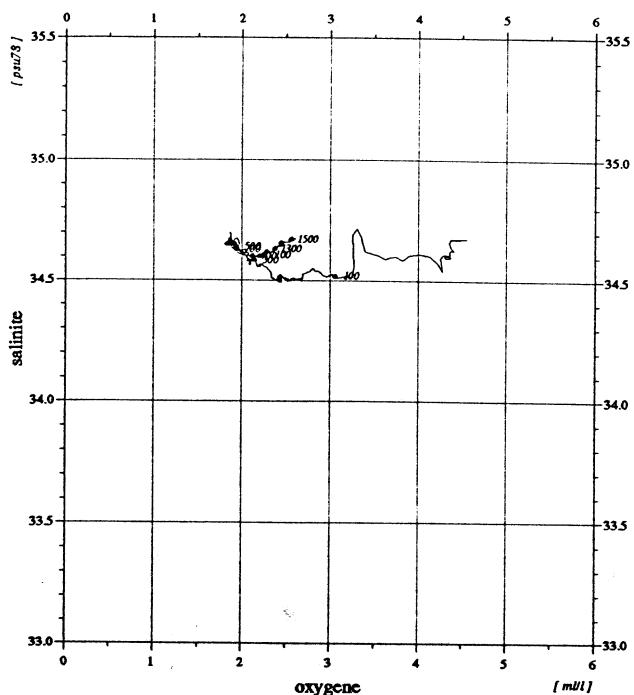


Diagramme temperature potentielle / salinite

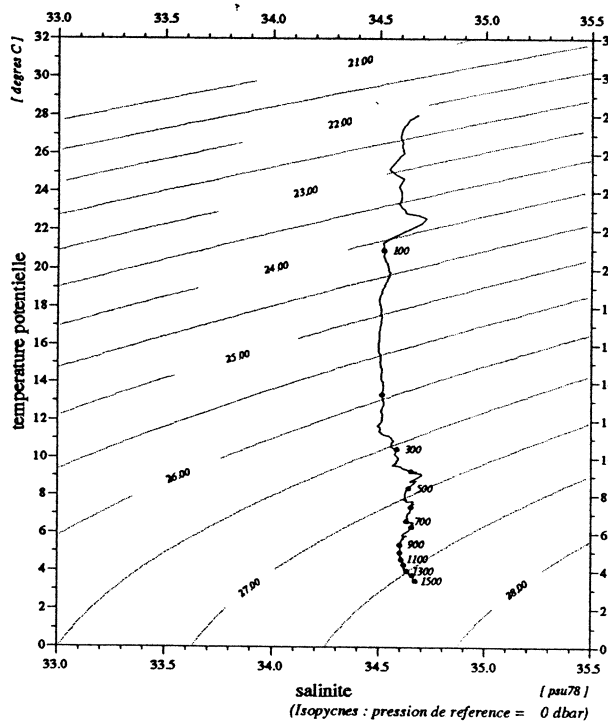
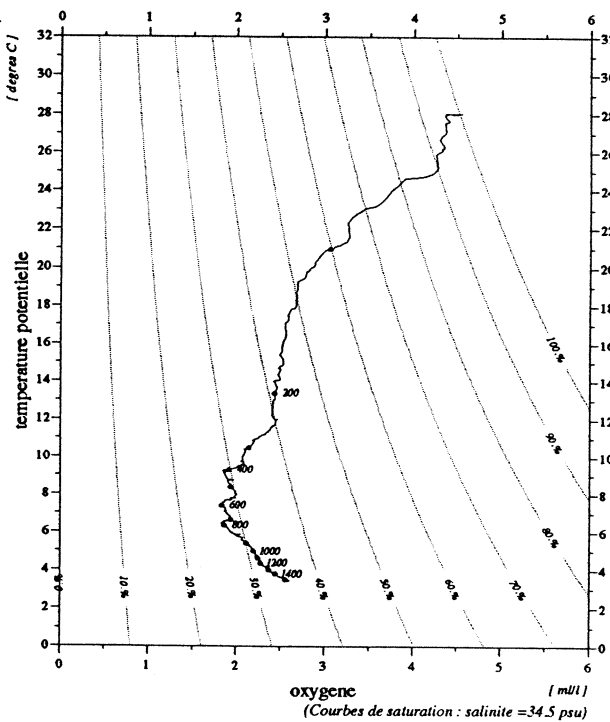


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1519.
temperature	28.030	3.553
theta	28.029	3.437
salinite	34.676	34.675
gamma (s,tp,0)	22.144	27.585
oxygene	4.44	2.60

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 4356 m (4426 dbar)	
1- 3-1992	10. 4' 5 S
21.50 tu	115.29' 8 E

MD71/JADE2

Station 24.20

94/01/24  
13:41:42

STATION-2430

1

JADE 92

station : 24.30

donnees reduites a 10 dbar

le 1/ 3/1992 a 23.39 tu -10.0446 115.2995 sonde: 4356 m (4426.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	28.029	28.028	34.677	22.145	22.143	38.271	191.5	4.38	97.1	567.6	0.000	1541.1	0.00
10.	9.9	28.033	28.031	34.675	22.143	22.140	38.269	192.1	4.40	97.4	568.2	0.040	1541.2	1.39
20.	19.9	28.033	28.028	34.675	22.143	22.140	38.269	191.5	4.38	97.1	568.6	0.097	1541.4	0.88
30.	29.8	28.036	28.029	34.675	22.143	22.139	38.269	190.9	4.37	96.8	569.1	0.153	1541.6	1.07
40.	39.8	28.011	28.001	34.671	22.149	22.144	38.276	194.5	4.45	98.6	569.0	0.210	1541.7	1.86
50.	49.7	27.774	27.762	34.638	22.202	22.196	38.341	194.0	4.44	97.9	564.4	0.267	1541.3	5.22
60.	59.7	27.072	27.059	34.599	22.399	22.393	38.572	190.6	4.36	95.1	546.0	0.323	1539.8	12.64
70.	69.6	26.400	26.384	34.613	22.623	22.616	38.827	192.1	4.40	94.8	525.0	0.377	1538.5	5.35
80.	79.5	25.324	25.307	34.556	22.914	22.907	39.172	182.0	4.17	88.2	497.5	0.428	1536.1	11.03
90.	89.5	22.521	22.503	34.685	23.838	23.832	40.240	144.6	3.32	66.9	409.4	0.474	1529.4	17.13
100.	99.4	20.629	20.610	34.558	24.264	24.257	40.775	130.4	2.99	58.3	369.0	0.512	1524.4	6.73
110.	109.3	19.656	19.636	34.540	24.508	24.501	41.077	124.4	2.85	54.6	346.0	0.548	1521.8	9.25
120.	119.3	19.480	19.458	34.548	24.560	24.553	41.139	120.7	2.77	52.9	341.4	0.582	1521.5	2.48
130.	129.2	18.623	18.600	34.507	24.746	24.740	41.379	117.3	2.69	50.5	323.8	0.616	1519.2	4.25
140.	139.2	18.069	18.045	34.507	24.884	24.877	41.552	115.0	2.64	49.0	310.9	0.648	1517.8	9.65
150.	149.1	16.626	16.602	34.507	25.230	25.224	41.991	112.5	2.58	46.7	278.0	0.677	1513.6	12.76
160.	159.0	15.512	15.487	34.500	25.480	25.474	42.316	109.8	2.52	44.6	254.4	0.704	1510.4	7.30
170.	169.0	14.756	14.731	34.512	25.655	25.649	42.544	108.4	2.49	43.4	237.8	0.729	1508.1	6.16
180.	178.9	14.354	14.328	34.511	25.740	25.734	42.657	108.2	2.48	42.9	229.9	0.752	1507.0	7.83
190.	188.8	13.953	13.926	34.516	25.830	25.823	42.775	107.3	2.46	42.3	221.6	0.774	1505.9	2.32
200.	198.8	13.266	13.238	34.518	25.972	25.966	42.968	106.3	2.44	41.3	208.1	0.796	1503.8	5.74
220.	218.6	12.627	12.597	34.524	26.105	26.098	43.148	104.1	2.39	39.9	195.9	0.836	1502.0	5.64
240.	238.5	11.958	11.927	34.510	26.223	26.216	43.318	107.7	2.47	40.7	184.9	0.874	1500.1	1.24
260.	258.4	11.533	11.500	34.496	26.292	26.285	43.420	104.4	2.40	39.1	178.7	0.910	1498.9	5.43
280.	278.2	11.199	11.164	34.500	26.357	26.350	43.512	101.5	2.33	37.8	172.8	0.945	1498.1	1.52
300.	298.1	10.860	10.823	34.563	26.467	26.460	43.648	96.9	2.23	35.8	162.7	0.979	1497.3	2.14
fin 302.	300.1	10.819	10.783	34.560	26.472	26.465	43.656	97.4	2.24	36.0	162.2	0.982	1497.2	2.97

Vitesse verticale moyenne du son entre 3. et 302. dbar : 1517.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

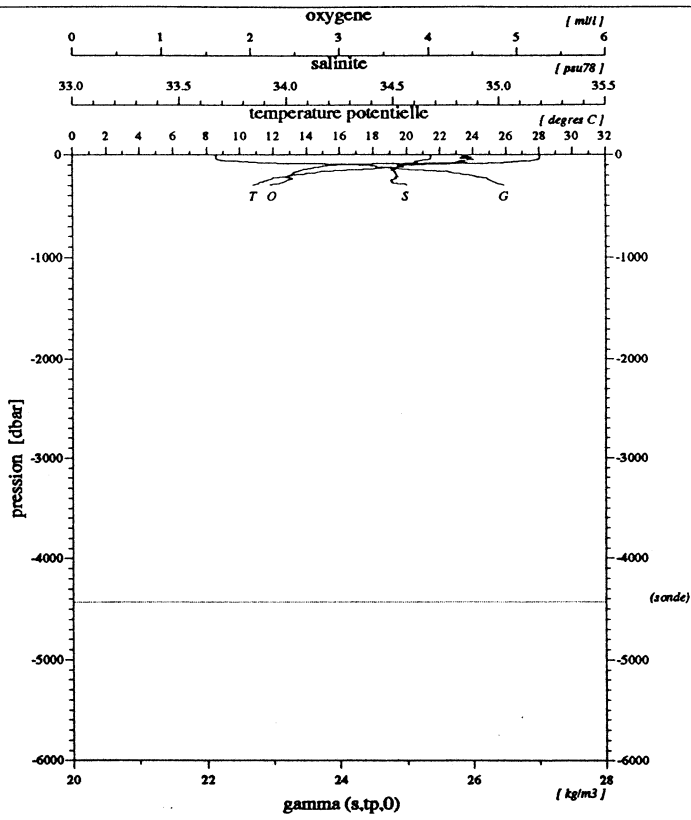


Diagramme salinite / oxygene

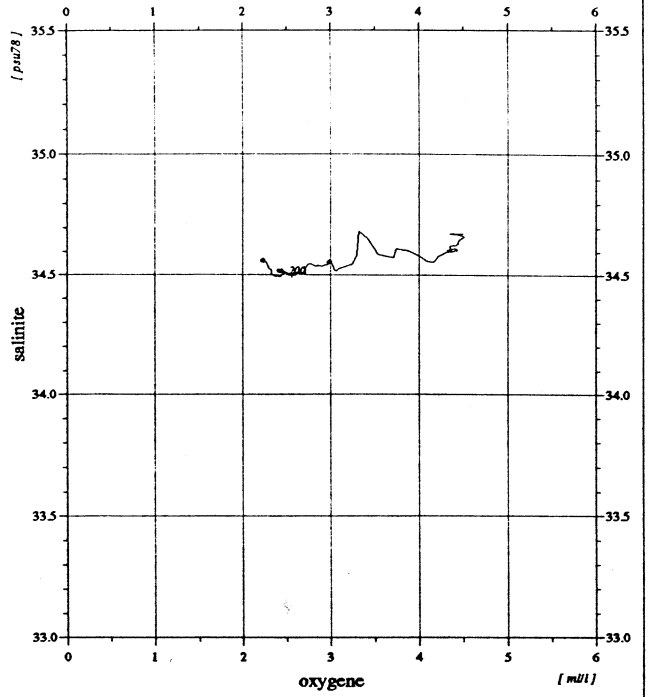


Diagramme temperature potentielle / salinite

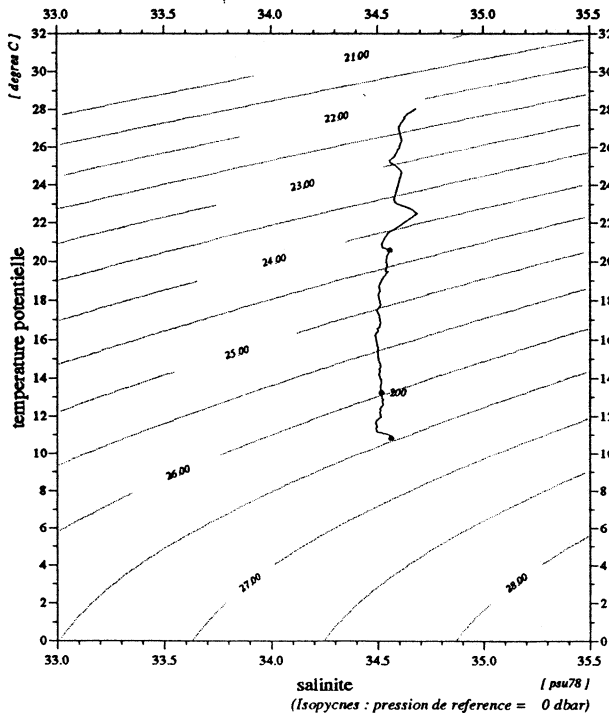
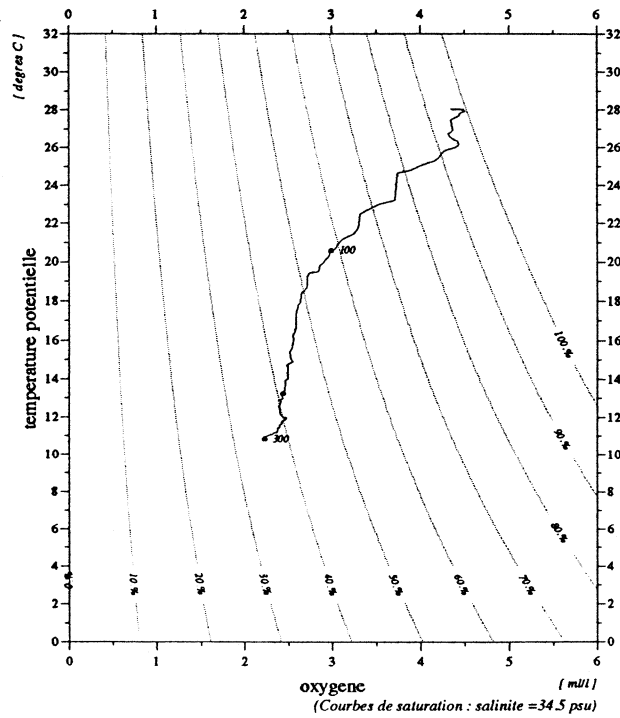


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	302.
temperature	28.029	10.819
theta	28.028	10.783
salinite	34.677	34.560
gamma (s.tp.0)	22.145	26.472
oxygene	4.38	2.24

Niveaux reduits a 1 dbar  
Bathysonde : NEEL-BROWN type Mark III no 01-1116  
01/02/94

sonde 4356 m (4426 dbar)	
1- 3-1992	10.4' 4 S
23.39 tu	115.29' 9 E

MD71/JADE2

Station 24.30

94/01/24  
13:42:55

1

STATION 2440

JADE 92

station : 24.40

donnees reduites a 10 dbar

le 6/ 3/1992 a 9.39 tu -10.0500 115.2990 sonde: 4356 m (4426.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.691	29.690	33.769	20.911	20.909	36.983	196.8	4.50	101.9	685.8	0.000	1543.7	0.00
10.	9.9	29.028	29.025	34.000	21.307	21.304	37.403	199.6	4.57	102.4	648.2	0.054	1542.7	10.74
20.	19.9	28.152	28.147	34.124	21.690	21.686	37.822	199.6	4.57	101.1	612.0	0.117	1541.1	9.71
30.	29.8	27.781	27.774	34.146	21.828	21.823	37.976	198.3	4.54	99.8	599.3	0.177	1540.4	3.34
40.	39.8	27.443	27.434	34.040	21.858	21.853	38.025	191.6	4.39	95.9	596.8	0.237	1539.7	3.97
50.	49.7	27.275	27.263	34.137	21.986	21.980	38.158	185.2	4.24	92.4	585.1	0.296	1539.6	5.56
60.	59.7	25.427	25.413	33.863	22.358	22.352	38.626	174.6	4.00	84.4	549.7	0.353	1535.2	9.62
70.	69.6	25.301	25.286	33.926	22.445	22.439	38.718	169.4	3.88	81.8	541.8	0.407	1535.2	0.00
80.	79.5	25.265	25.248	33.938	22.466	22.458	38.740	167.7	3.84	80.9	540.3	0.462	1535.2	6.20
90.	89.5	23.005	22.986	33.992	23.174	23.168	39.565	158.8	3.64	73.7	472.7	0.512	1529.9	8.95
100.	99.4	20.517	20.498	34.084	23.933	23.927	40.462	151.2	3.47	67.2	400.5	0.557	1523.5	17.97
110.	109.3	19.584	19.564	34.247	24.303	24.296	40.883	142.1	3.26	62.2	365.5	0.595	1521.3	1.24
121.	120.3	17.877	17.856	34.337	24.801	24.795	41.484	138.5	3.18	58.8	318.1	0.633	1516.7	14.82
130.	129.2	16.634	16.613	34.379	25.129	25.123	41.893	130.8	3.00	54.2	287.0	0.660	1513.2	9.81
140.	139.2	16.150	16.128	34.419	25.272	25.266	42.067	127.8	2.93	52.5	273.6	0.688	1511.9	3.56
150.	149.1	16.105	16.082	34.432	25.293	25.287	42.091	126.7	2.91	52.0	271.9	0.715	1511.9	1.96
160.	159.0	16.035	16.009	34.437	25.313	25.306	42.115	124.8	2.87	51.2	270.3	0.743	1511.9	3.56
170.	169.0	15.726	15.700	34.434	25.381	25.374	42.204	122.1	2.80	49.8	264.1	0.769	1511.1	7.38
180.	178.9	14.799	14.772	34.466	25.611	25.604	42.498	119.9	2.75	48.0	242.3	0.794	1508.4	3.82
190.	188.8	14.329	14.301	34.496	25.735	25.728	42.654	117.3	2.69	46.5	230.7	0.818	1507.1	5.10
200.	198.8	13.517	13.489	34.508	25.913	25.907	42.891	109.0	2.50	42.5	213.8	0.840	1504.6	5.64
220.	218.6	12.592	12.563	34.513	26.103	26.097	43.149	103.5	2.38	39.7	196.0	0.881	1501.9	5.21
240.	238.5	11.892	11.861	34.514	26.238	26.232	43.338	103.5	2.38	39.1	183.4	0.918	1499.8	4.33
260.	258.4	11.528	11.496	34.506	26.301	26.294	43.430	104.4	2.40	39.1	177.8	0.954	1498.9	4.29
280.	278.2	10.876	10.841	34.526	26.435	26.429	43.615	100.0	2.30	37.0	165.2	0.988	1497.0	2.40
300.	298.1	10.485	10.449	34.564	26.534	26.528	43.745	93.9	2.16	34.4	156.1	1.020	1496.0	2.32
320.	317.9	10.274	10.236	34.623	26.617	26.610	43.843	87.7	2.02	32.0	148.6	1.051	1495.6	3.27
340.	337.8	9.730	9.691	34.613	26.702	26.695	43.973	87.0	2.00	31.4	140.6	1.080	1494.0	4.55
360.	357.7	9.418	9.378	34.625	26.764	26.757	44.061	85.9	1.97	30.8	135.0	1.107	1493.2	2.14
380.	377.5	9.226	9.183	34.651	26.816	26.809	44.128	83.7	1.92	29.9	130.4	1.134	1492.9	3.27
400.	397.4	9.160	9.116	34.676	26.846	26.838	44.163	80.1	1.84	28.5	127.9	1.160	1493.0	1.07
420.	417.2	8.603	8.559	34.625	26.894	26.887	44.260	85.1	1.96	29.9	123.2	1.185	1491.2	1.64
440.	437.0	8.592	8.546	34.650	26.916	26.909	44.283	84.8	1.95	29.8	121.6	1.209	1491.5	3.27
460.	456.9	8.566	8.517	34.694	26.955	26.947	44.322	79.8	1.84	28.1	118.3	1.233	1491.8	1.64
480.	476.7	8.300	8.250	34.684	26.988	26.980	44.379	78.1	1.79	27.3	115.3	1.257	1491.1	1.38
500.	496.6	8.156	8.104	34.678	27.006	26.998	44.410	77.0	1.77	26.8	113.9	1.280	1490.9	1.38
550.	546.2	7.738	7.682	34.658	27.053	27.044	44.494	78.1	1.79	26.9	109.9	1.335	1490.1	1.64
600.	595.7	7.270	7.212	34.641	27.107	27.098	44.590	80.8	1.86	27.6	105.0	1.389	1489.1	0.87
650.	645.3	7.046	6.983	34.650	27.145	27.136	44.650	80.9	1.86	27.5	101.9	1.441	1489.1	1.07
700.	694.9	6.827	6.761	34.670	27.192	27.183	44.716	80.3	1.85	27.2	98.0	1.491	1489.1	1.96
750.	744.4	6.570	6.500	34.655	27.215	27.206	44.763	80.2	1.84	26.9	96.2	1.539	1488.9	0.00
800.	793.9	6.133	6.060	34.634	27.256	27.247	44.846	84.0	1.93	28.0	92.3	1.587	1488.0	1.86
850.	843.5	5.881	5.806	34.627	27.283	27.273	44.896	85.9	1.98	28.4	90.0	1.632	1487.8	0.00
900.	893.0	5.618	5.540	34.622	27.312	27.302	44.950	89.9	2.07	29.6	87.5	1.676	1487.6	0.00
950.	942.5	5.348	5.267	34.620	27.343	27.333	45.008	90.5	2.08	29.5	84.6	1.719	1487.3	1.24
1000.	992.0	4.963	4.880	34.603	27.375	27.365	45.078	94.4	2.17	30.5	81.3	1.761	1486.5	1.38
1100.	1090.9	4.597	4.508	34.603	27.416	27.406	45.155	98.5	2.27	31.6	77.6	1.840	1486.7	1.07
1200.	1189.8	4.329	4.233	34.617	27.457	27.447	45.223	100.8	2.32	32.1	74.1	1.916	1487.3	0.00
1300.	1288.6	4.121	4.018	34.637	27.496	27.485	45.282	103.8	2.39	32.9	70.9	1.988	1488.1	1.07
1400.	1387.4	3.838	3.729	34.656	27.541	27.530	45.355	108.3	2.49	34.1	66.7	2.056	1488.6	1.07
1500.	1486.2	3.601	3.486	34.673	27.578	27.566	45.417	112.6	2.59	35.2	63.3	2.121	1489.3	1.24
fin	1522.	1507.9	3.550	3.433	34.676	27.585	27.574	45.429	113.5	2.61	62.6	2.135	1489.4	1.64

Vitesse verticale moyenne du son entre 2. et 1522. dbar : 1494.3 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

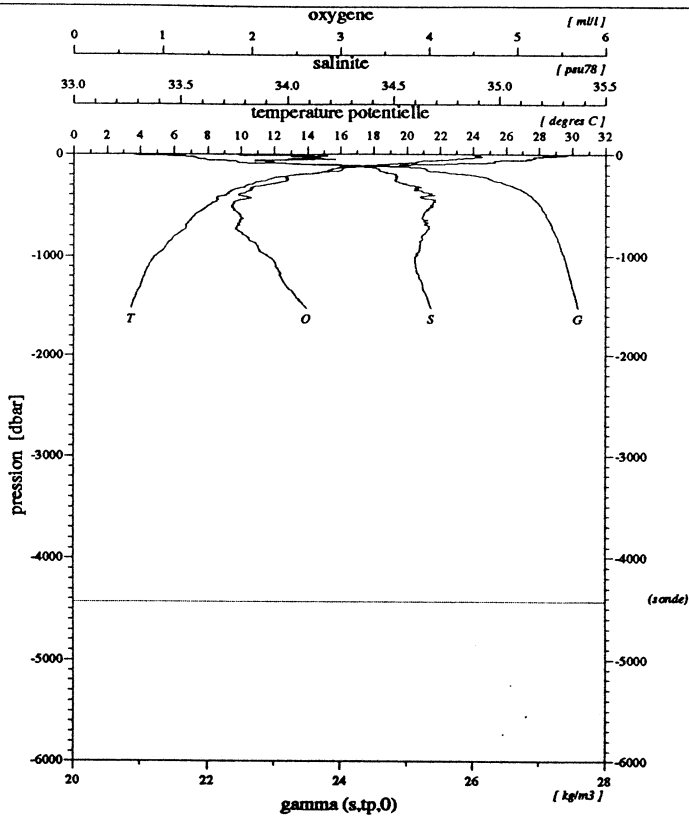


Diagramme salinite / oxygene

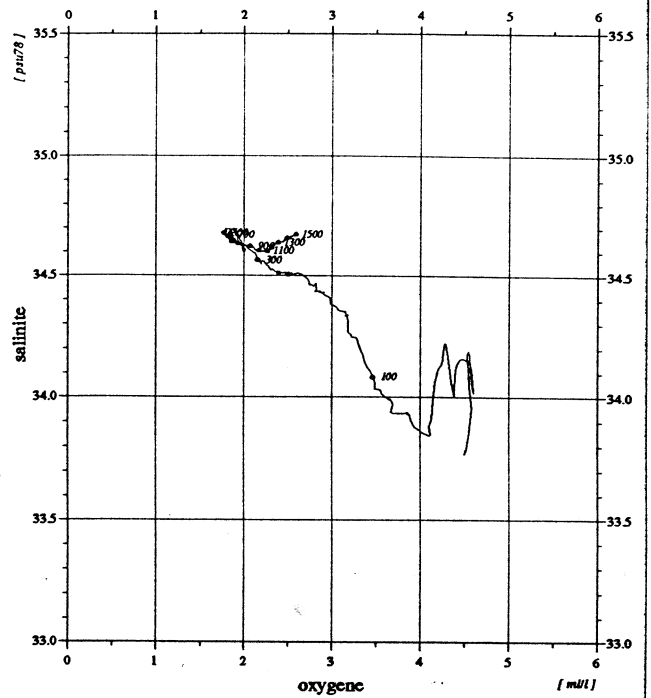


Diagramme temperature potentielle / salinite

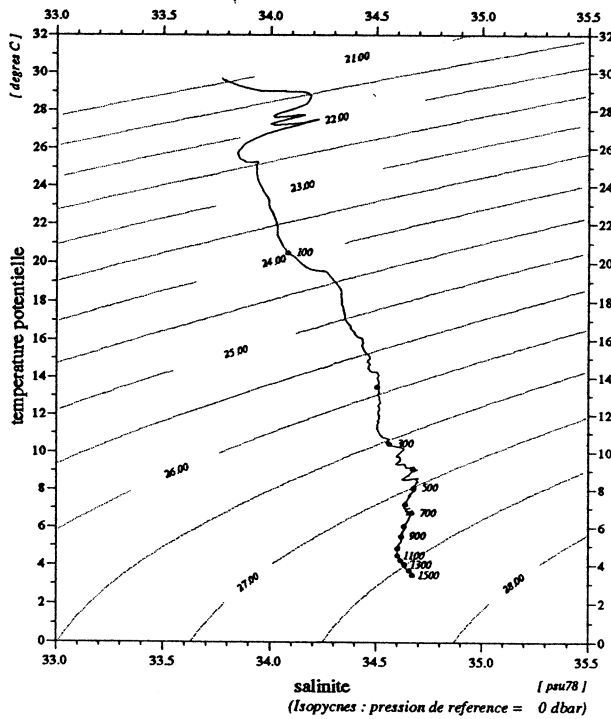
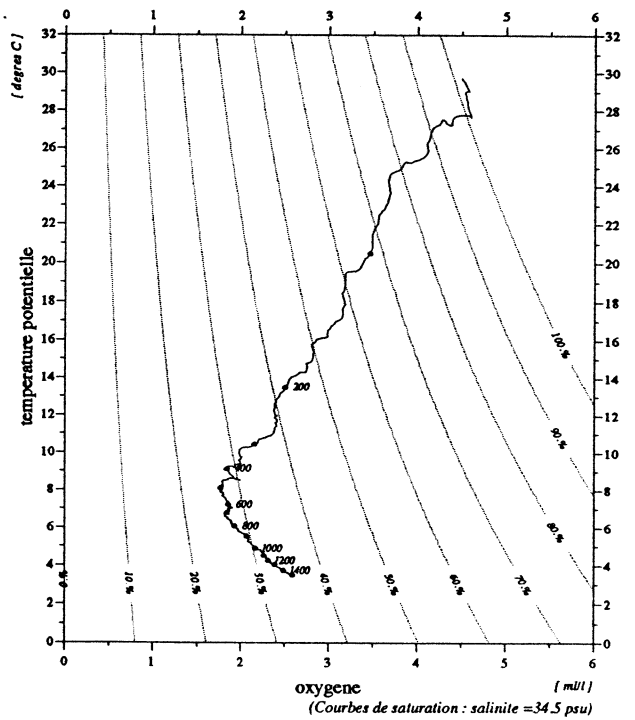


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1522
temperature	29.691	3.550
theta	29.690	3.433
salinite	33.769	34.676
gamma (s,tp,0)	20.911	27.585
oxygene	4.50	2.61

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 4356 m ( 4426 dbar)	
6-3-1992	10.5' 0 S
9.39 tu	115.29' 9 E

MD71/JADE2

Station 24.40





Profils verticaux

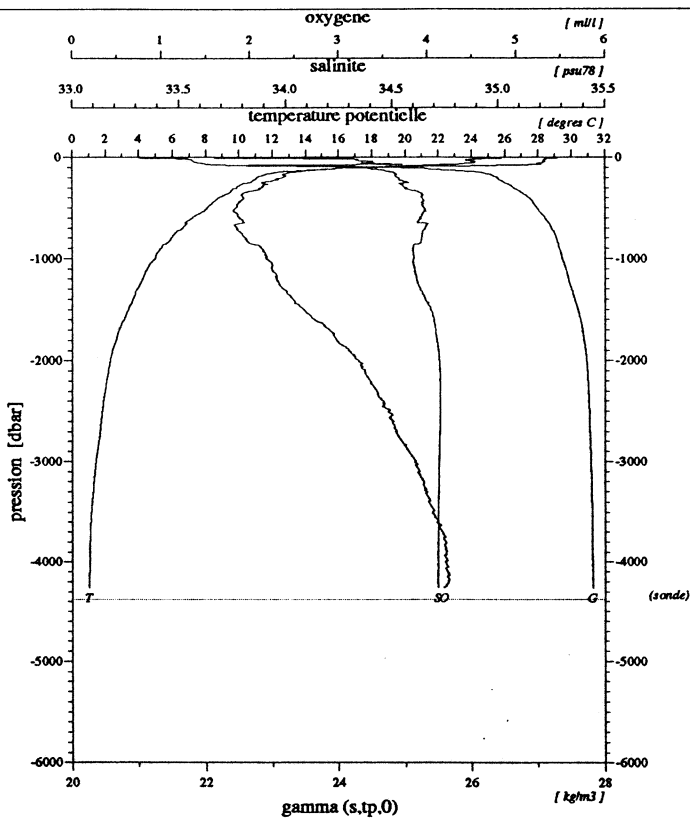


Diagramme salinite / oxygene

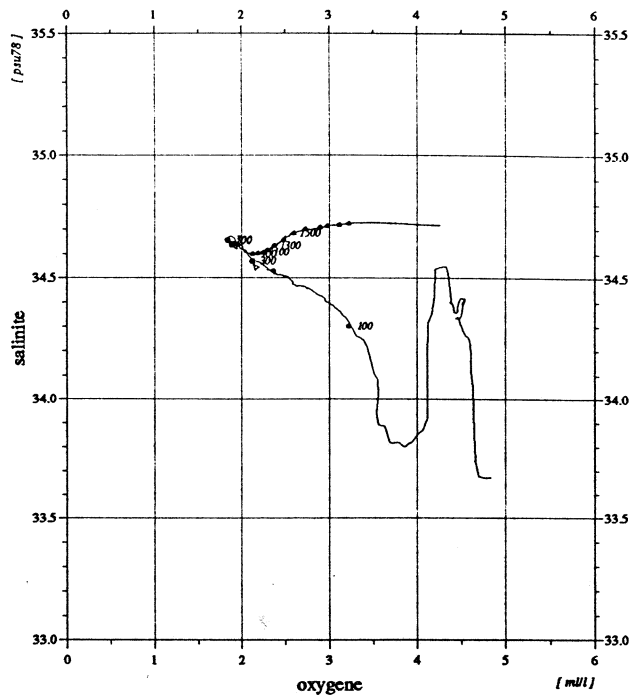


Diagramme temperature potentielle / salinite

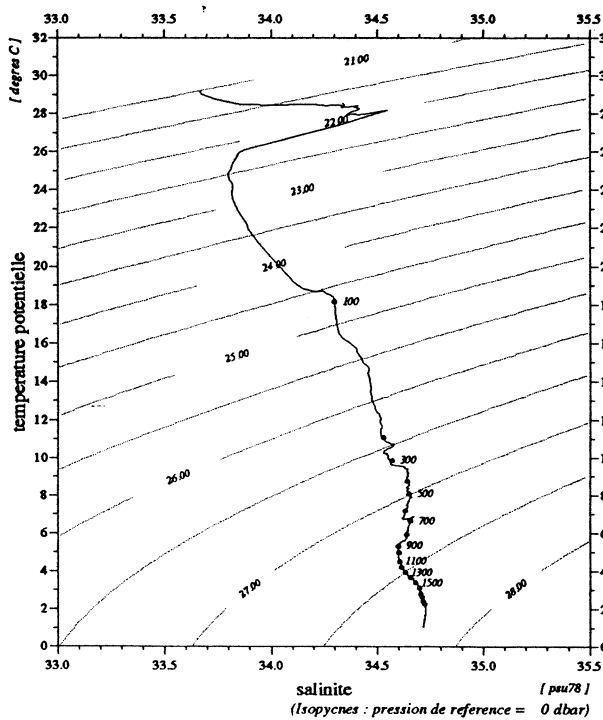
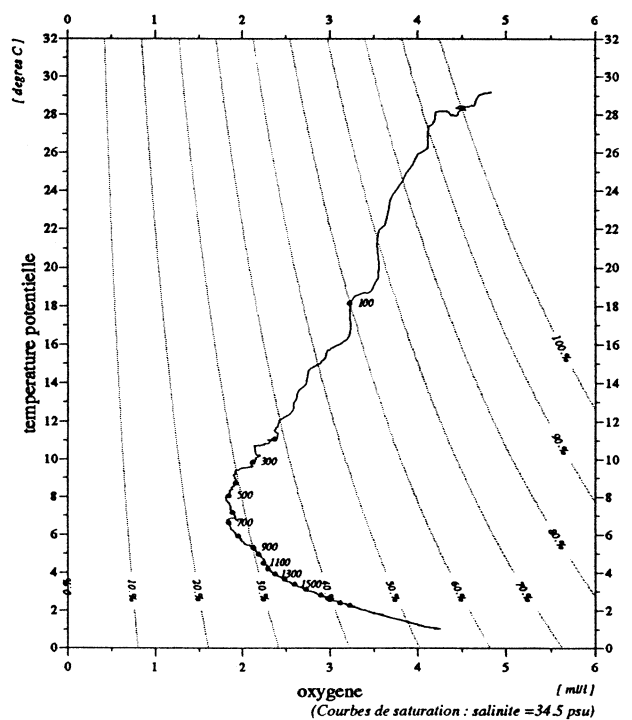


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	4263.
temperature	29.176	1.365
theta	29.176	1.020
salinite	33.672	34.717
gamma (s,tp,0)	21.011	27.817
oxygene	4.83	4.19

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 4308 m ( 4377 dbar)	
6-3-1992	9.46' 0 S
1.12 tu	115.25' 4 E

MD71/JADE2

Station 25.10

94/01/24  
13:42:47

## STATION-2520

1

JADE 92

station : 25.20

donnees reduites a 10 dbar

le 6/ 3/1992 a 5.09 tu -9.4585 115.2456 sonde: 4316 m (4385.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.582	29.582	33.630	20.843	20.841	36.922	189.1	4.32	97.6	692.4	0.000	1543.3	0.00
10.	9.9	29.229	29.227	33.642	20.972	20.968	37.066	190.2	4.35	97.7	680.4	0.055	1542.7	5.64
20.	19.9	28.460	28.455	34.227	21.667	21.663	37.783	190.3	4.35	96.9	614.2	0.119	1541.9	21.99
30.	29.8	28.525	28.518	34.330	21.723	21.718	37.834	188.6	4.31	96.2	609.3	0.180	1542.3	6.00
40.	39.8	28.536	28.527	34.398	21.772	21.766	37.881	191.6	4.38	97.8	605.2	0.241	1542.5	7.58
50.	49.7	28.434	28.422	34.396	21.805	21.798	37.919	195.5	4.47	99.6	602.5	0.301	1542.5	1.07
60.	59.7	28.403	28.389	34.425	21.838	21.831	37.953	198.2	4.53	100.9	599.8	0.361	1542.6	3.04
70.	69.6	28.102	28.085	34.336	21.870	21.862	38.001	195.4	4.47	98.9	597.1	0.421	1542.0	0.00
80.	79.5	26.979	26.960	34.044	22.012	22.005	38.201	187.4	4.29	93.0	583.8	0.480	1539.4	8.18
90.	89.5	25.480	25.460	33.845	22.330	22.322	38.596	174.8	4.00	84.5	553.7	0.537	1535.8	7.78
100.	99.4	19.675	19.657	34.104	24.169	24.164	40.747	164.7	3.78	72.2	377.8	0.587	1521.2	31.19
110.	109.3	18.406	18.387	34.363	24.690	24.684	41.339	140.9	3.23	60.4	328.4	0.622	1518.1	4.47
120.	119.3	17.961	17.940	34.413	24.838	24.832	41.515	134.8	3.09	57.3	314.6	0.653	1517.0	1.86
130.	129.2	17.038	17.017	34.375	25.031	25.025	41.768	133.3	3.06	55.7	296.4	0.684	1514.4	0.00
140.	139.2	15.767	15.745	34.388	25.336	25.330	42.157	128.0	2.94	52.2	267.4	0.712	1510.7	9.06
150.	149.1	14.815	14.792	34.447	25.591	25.586	42.477	117.3	2.69	47.0	243.2	0.738	1507.9	4.24
160.	159.0	13.614	13.592	34.484	25.874	25.869	42.845	113.8	2.62	44.5	216.4	0.760	1504.3	8.37
170.	169.0	12.337	12.314	34.504	26.144	26.139	43.210	110.5	2.54	42.1	190.6	0.780	1500.2	7.45
180.	178.9	12.157	12.133	34.512	26.185	26.180	43.264	106.3	2.44	40.4	186.9	0.799	1499.7	2.32
190.	188.8	11.870	11.846	34.515	26.242	26.237	43.343	106.1	2.44	40.1	181.7	0.818	1498.9	4.75
200.	198.8	11.577	11.552	34.522	26.303	26.298	43.427	104.7	2.41	39.3	176.1	0.836	1498.1	3.61
220.	218.6	11.224	11.197	34.533	26.377	26.371	43.528	101.3	2.33	37.7	169.5	0.870	1497.2	0.00
240.	238.5	11.032	11.003	34.538	26.416	26.410	43.582	100.6	2.31	37.3	166.2	0.904	1496.9	1.24
260.	258.4	10.826	10.795	34.569	26.477	26.471	43.660	97.2	2.23	35.9	160.7	0.936	1496.5	2.40
280.	278.2	10.580	10.547	34.580	26.530	26.524	43.732	93.8	2.16	34.5	156.1	0.968	1496.0	2.23
300.	298.1	10.217	10.182	34.551	26.570	26.564	43.802	96.1	2.21	35.0	152.5	0.999	1495.0	3.33
320.	317.9	9.863	9.826	34.567	26.644	26.637	43.905	93.9	2.16	34.0	145.8	1.029	1494.1	1.38
340.	337.8	9.642	9.603	34.586	26.696	26.689	43.975	92.4	2.12	33.3	141.1	1.057	1493.6	3.76
360.	357.7	9.589	9.548	34.617	26.729	26.722	44.012	88.0	2.02	31.6	138.4	1.085	1493.8	2.14
380.	377.5	9.498	9.455	34.636	26.760	26.752	44.049	85.2	1.96	30.6	135.9	1.113	1493.8	1.86
400.	397.4	9.253	9.209	34.639	26.802	26.795	44.113	84.5	1.94	30.2	132.1	1.139	1493.3	3.27
420.	417.2	9.040	8.994	34.643	26.840	26.832	44.168	84.8	1.95	30.1	128.8	1.166	1492.8	1.75
440.	437.1	8.679	8.632	34.651	26.904	26.896	44.263	83.3	1.92	29.4	122.8	1.191	1491.8	2.14
460.	456.9	8.474	8.426	34.639	26.926	26.918	44.303	82.1	1.89	28.8	120.9	1.215	1491.4	1.75
480.	476.7	8.334	8.283	34.638	26.947	26.939	44.336	81.9	1.88	28.6	119.2	1.239	1491.2	1.64
500.	496.6	8.254	8.201	34.646	26.965	26.957	44.362	81.3	1.87	28.4	117.8	1.263	1491.2	1.64
550.	546.2	7.935	7.878	34.653	27.019	27.011	44.444	79.4	1.83	27.5	113.2	1.320	1490.8	1.75
600.	595.7	7.425	7.365	34.642	27.086	27.077	44.556	80.8	1.86	27.7	107.2	1.375	1489.7	1.96
650.	645.3	6.941	6.879	34.622	27.138	27.129	44.653	83.8	1.93	28.4	102.4	1.427	1488.7	1.24
700.	694.9	6.778	6.712	34.663	27.193	27.183	44.721	79.7	1.83	26.9	97.9	1.477	1488.9	1.24
750.	744.4	6.267	6.199	34.645	27.247	27.238	44.823	83.2	1.91	27.8	92.7	1.525	1487.7	1.96
800.	794.0	6.059	5.987	34.640	27.271	27.261	44.867	84.6	1.95	28.1	90.8	1.571	1487.7	1.07
850.	843.5	5.863	5.787	34.636	27.292	27.283	44.907	86.2	1.98	28.5	89.1	1.616	1487.7	1.07
900.	893.0	5.672	5.593	34.634	27.314	27.305	44.948	86.9	2.00	28.6	87.3	1.660	1487.8	1.07
950.	942.5	5.305	5.223	34.600	27.332	27.322	45.002	93.5	2.15	30.5	85.5	1.703	1487.1	0.62
1000.	992.0	5.107	5.022	34.602	27.358	27.348	45.047	95.4	2.19	31.0	83.2	1.745	1487.1	0.62
1100.	1090.9	4.661	4.572	34.606	27.411	27.401	45.144	98.2	2.26	31.5	78.2	1.826	1487.0	0.62
1200.	1189.8	4.348	4.252	34.617	27.455	27.445	45.219	100.6	2.32	32.1	74.3	1.902	1487.3	0.87
1300.	1288.6	4.034	3.932	34.634	27.502	27.491	45.297	104.3	2.40	33.0	70.0	1.975	1487.7	0.62
1400.	1387.4	3.732	3.625	34.664	27.557	27.547	45.382	109.2	2.51	34.3	64.8	2.042	1488.2	0.87
1500.	1486.2	3.494	3.381	34.682	27.595	27.584	45.445	113.4	2.61	35.4	61.3	2.105	1488.9	1.07
fin	1517.	1503.0	3.461	3.346	34.687	27.603	27.592	45.456	114.7	2.64	60.6	2.115	1489.0	1.38

Vitesse verticale moyenne du son entre 2. et 1517. dbar : 1494.0 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

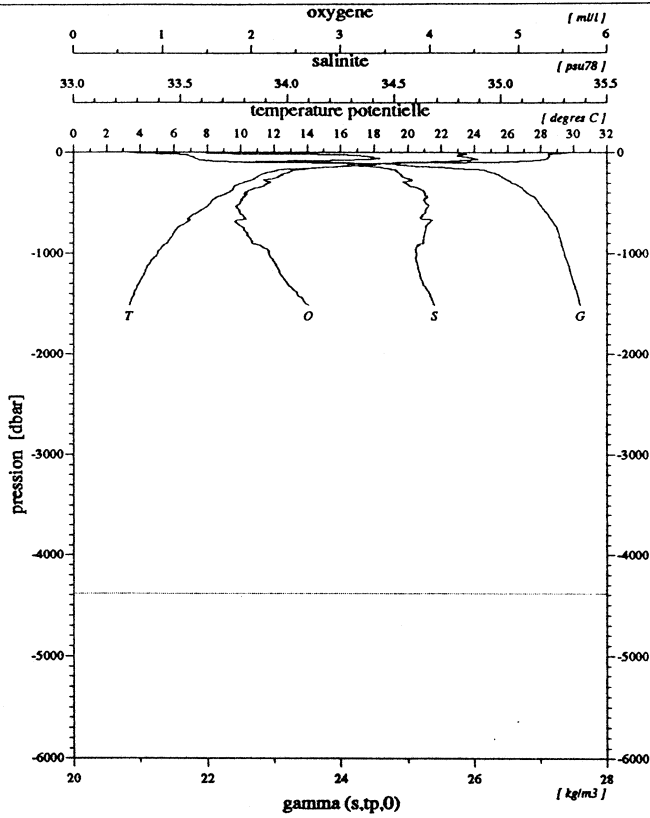


Diagramme salinite / oxygene

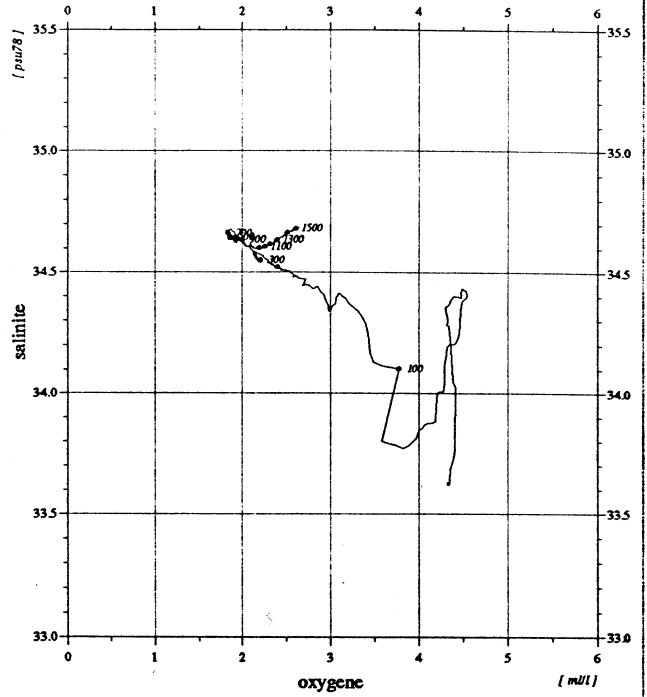


Diagramme temperature potentielle / salinite

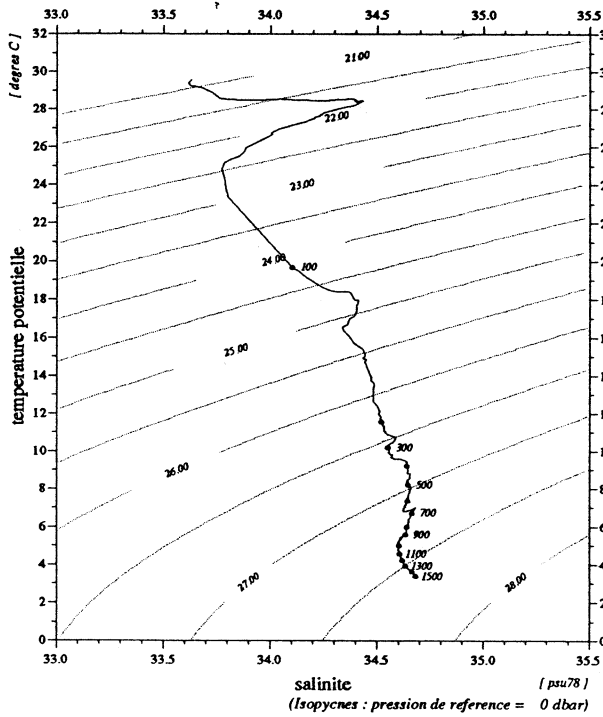
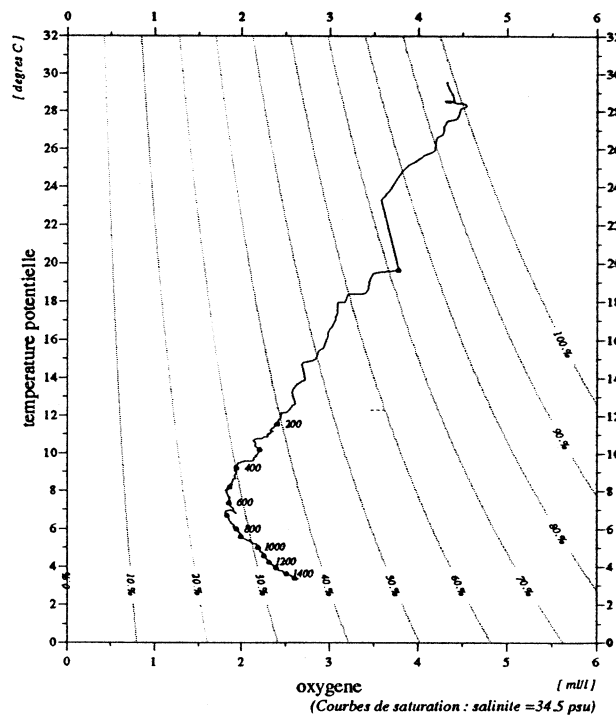


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1517.
temperature	29.582	3.461
theta	29.582	3.346
salinite	33.630	34.687
gamma (s,tp.0)	20.843	27.603
oxygene	4.32	2.64

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 4316 m (4385 dbar)	
6-3-1992	9.45' 8 S
5.09 tu	115.24' 5 E

MD71/JADE2

Station 25.20

94/01/24  
13:42:49

STATION-2530

1

JADE 92

station : 25.30

donnees reduites a 10 dbar

le 6/ 3/1992 a 6.57 tu -9.4567 115.2501 sonde: 4316 m (4385.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	29.385	29.384	33.547	20.848	20.845	36.937	197.1	4.51	101.4	691.9	0.000	1542.8	0.00	
10.	9.9	29.108	29.105	33.678	21.039	21.036	37.138	198.4	4.54	101.7	673.9	0.055	1542.5	13.90	
20.	19.9	28.520	28.515	34.123	21.569	21.565	37.685	200.1	4.58	101.9	623.6	0.119	1541.9	10.00	
30.	29.8	28.527	28.520	34.300	21.700	21.695	37.812	199.3	4.56	101.6	611.5	0.180	1542.3	3.10	
40.	39.8	28.433	28.423	34.385	21.796	21.791	37.910	199.7	4.57	101.7	602.8	0.241	1542.3	5.04	
50.	49.7	28.405	28.393	34.402	21.819	21.813	37.934	203.2	4.65	103.5	601.1	0.301	1542.4	2.40	
60.	59.7	28.215	28.201	34.365	21.854	21.847	37.979	197.5	4.52	100.2	598.2	0.361	1542.1	2.15	
70.	69.6	26.909	26.893	34.059	22.046	22.039	38.238	192.4	4.40	95.4	580.2	0.420	1539.1	9.40	
80.	79.5	25.313	25.296	33.770	22.324	22.317	38.600	179.4	4.11	86.5	553.8	0.477	1535.2	16.43	
92.	91.5	20.462	20.445	34.018	23.897	23.891	40.430	168.6	3.87	74.9	403.5	0.538	1523.2	27.55	
100.	99.4	20.159	20.141	34.187	24.106	24.099	40.653	151.4	3.47	66.9	383.9	0.569	1522.7	6.76	
110.	109.3	19.818	19.798	34.257	24.249	24.243	40.815	146.3	3.36	64.3	370.6	0.607	1522.0	6.76	
120.	119.3	18.830	18.809	34.370	24.589	24.583	41.213	140.5	3.22	60.7	338.4	0.642	1519.5	5.03	
130.	129.2	18.487	18.464	34.382	24.685	24.678	41.329	136.7	3.14	58.7	329.6	0.676	1518.7	4.38	
140.	139.2	17.490	17.467	34.391	24.936	24.930	41.644	133.9	3.07	56.5	305.9	0.708	1515.9	13.08	
150.	149.1	16.674	16.649	34.402	25.138	25.132	41.899	130.3	2.99	54.1	286.8	0.737	1513.6	6.55	
160.	159.0	15.849	15.824	34.389	25.318	25.312	42.134	125.8	2.89	51.4	269.8	0.765	1511.3	3.45	
170.	169.0	14.749	14.724	34.439	25.601	25.594	42.491	119.0	2.73	47.6	243.0	0.791	1508.0	6.64	
180.	178.9	13.808	13.782	34.478	25.829	25.823	42.786	116.4	2.67	45.7	221.3	0.814	1505.2	8.53	
190.	188.8	13.287	13.260	34.487	25.944	25.938	42.939	110.2	2.53	42.8	210.5	0.835	1503.7	7.40	
200.	198.8	12.450	12.423	34.501	26.121	26.115	43.178	108.5	2.49	41.5	193.7	0.855	1501.1	7.68	
220.	218.6	11.997	11.968	34.522	26.225	26.219	43.316	103.5	2.38	39.2	184.2	0.893	1499.9	3.55	
240.	238.5	11.393	11.363	34.533	26.346	26.340	43.484	102.3	2.35	38.2	173.0	0.928	1498.1	5.39	
260.	258.4	11.061	11.029	34.539	26.412	26.405	43.576	98.5	2.26	36.5	167.1	0.962	1497.3	0.88	
280.	278.2	10.840	10.806	34.557	26.466	26.459	43.648	97.5	2.24	36.0	162.3	0.995	1496.9	2.55	
300.	298.1	10.645	10.608	34.591	26.528	26.521	43.724	91.0	2.09	33.5	156.8	1.027	1496.6	3.81	
fin	304.	302.1	10.503	10.467	34.589	26.551	26.544	43.759	92.1	2.12	33.8	154.6	1.034	1496.1	5.36

Vitesse verticale moyenne du son entre 2. et 304. dbar : 1516.2 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

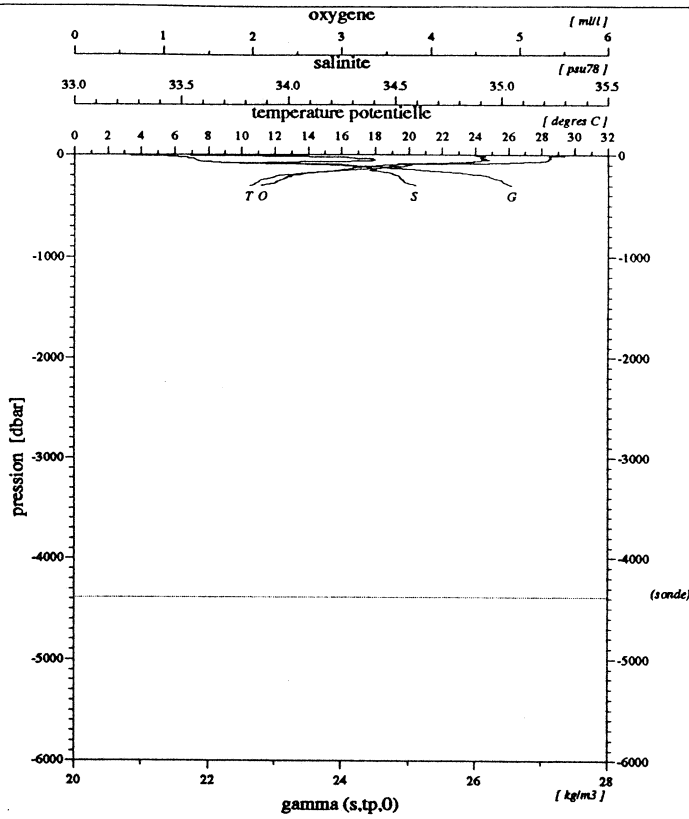


Diagramme salinite / oxygene

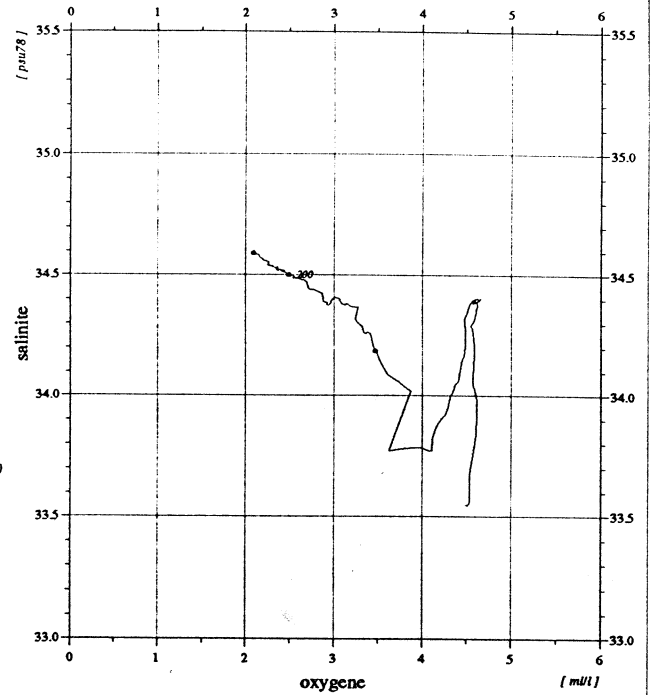


Diagramme temperature potentielle / salinite

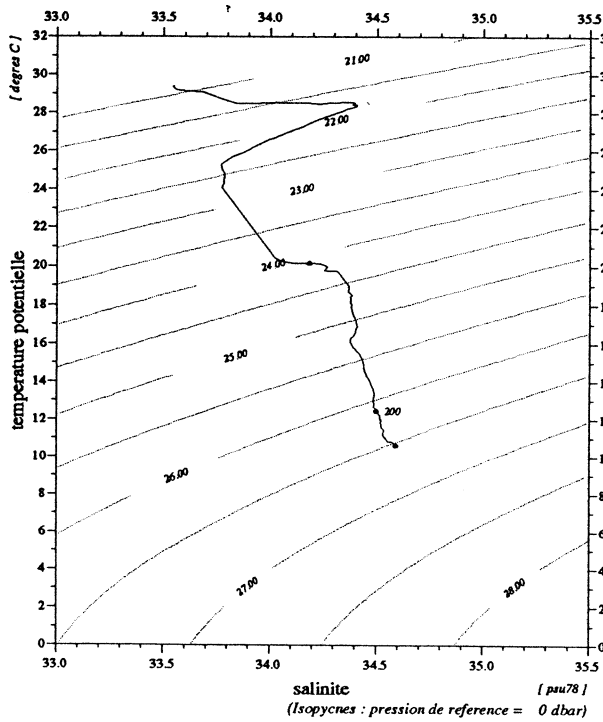
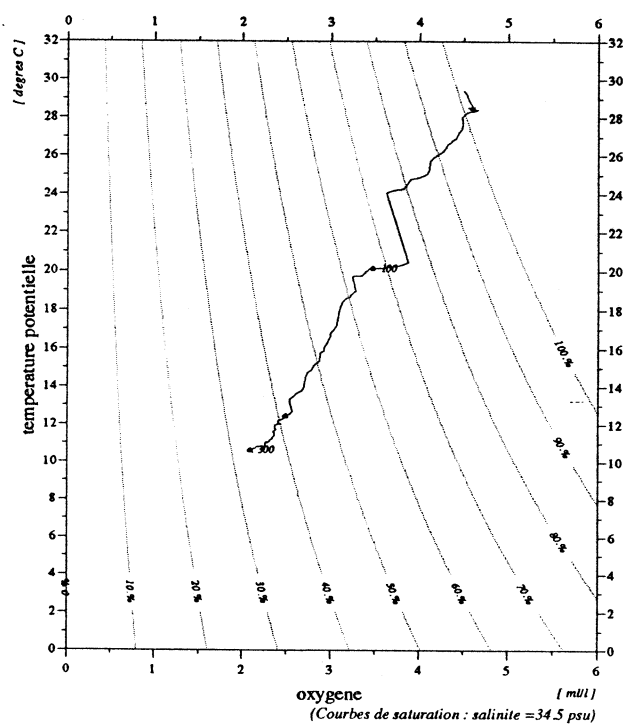


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	304
temperature	29.385	10.503
theta	29.384	10.467
salinite	33.547	34.589
gamma (s,tp,0)	20.848	26.551
oxygene	4.51	2.12

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 4316 m (4385 dbar)	
6-3-1992	9.45' 6 S
6.57 tu	115.25' 0 E

MD71/JADE2

Station 25.30



Profils verticaux

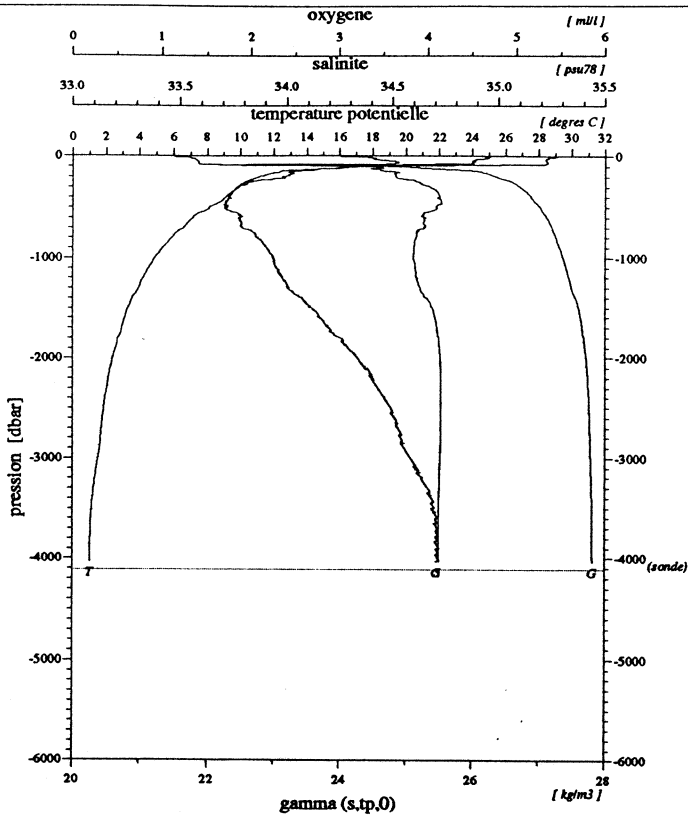


Diagramme salinite / oxygene

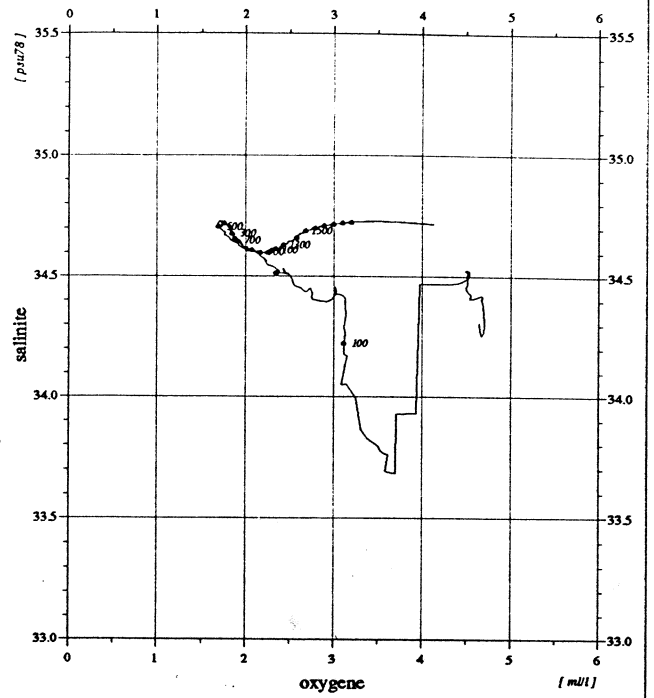


Diagramme temperature potentielle / salinite

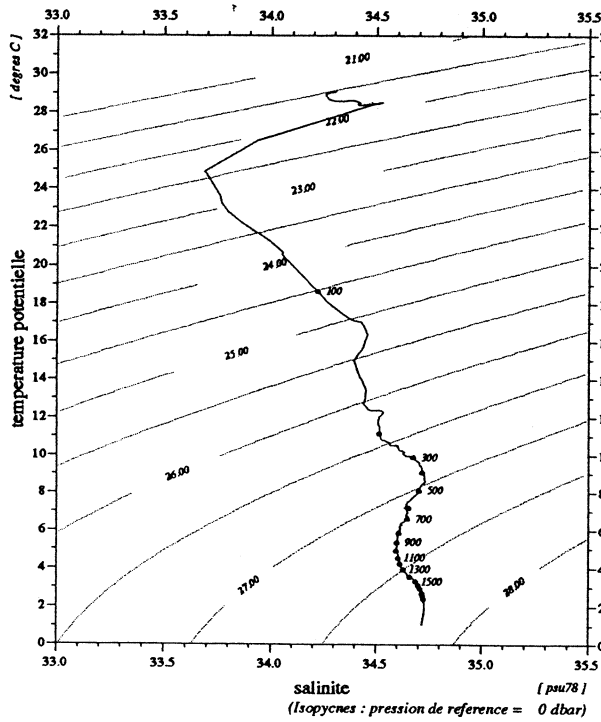
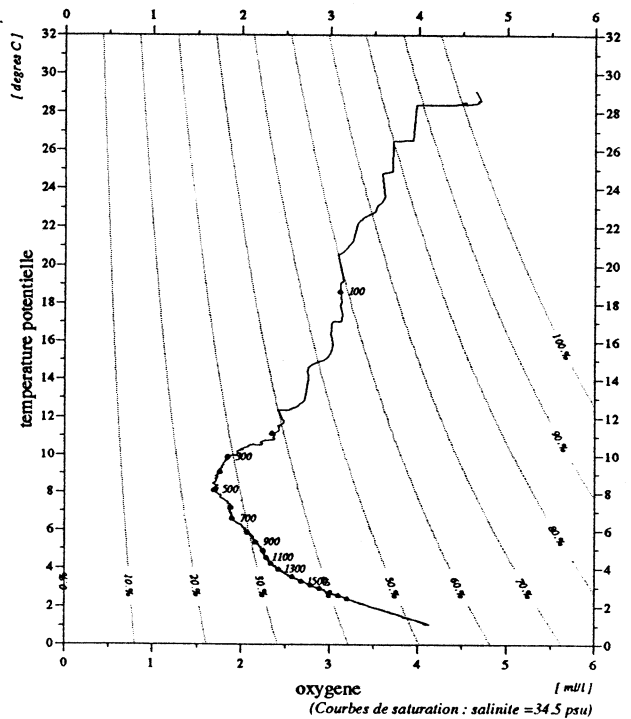


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	4036.
temperature	29.094	1.359
theta	29.094	1.040
salinite	34.308	34.717
gamma (s,tp,0)	21.515	27.815
oxygene	4.65	4.10

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 4050 m ( 4112 dbar)	
2- 3-1992	9.26' 3 S
8.29 tu	115.18' 9 E

MD71/JADE2

Station 26.10

94/01/24  
13:41:49

# STATION-2620

1

JADE 92

station : 26.20

donnees reduites a 10 dbar

le 2/ 3/1992 a 5.53 tu -9.2666 115.1900 sonde: 4058 m (4121.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	28.803	28.803	34.299	21.606	21.603	37.705	197.2	4.51	101.0	619.2	0.000	1542.4	0.00
10.	9.9	28.573	28.571	34.341	21.714	21.711	37.823	199.1	4.55	101.6	609.2	0.049	1542.1	6.43
20.	19.9	28.518	28.514	34.416	21.789	21.785	37.899	195.4	4.47	99.7	602.5	0.110	1542.2	3.48
30.	29.8	28.458	28.451	34.442	21.830	21.825	37.942	196.8	4.50	100.3	599.1	0.170	1542.3	2.48
40.	39.8	28.515	28.505	34.500	21.855	21.850	37.964	196.0	4.48	100.0	597.2	0.230	1542.6	2.77
50.	49.7	28.535	28.523	34.524	21.867	21.861	37.974	195.4	4.47	99.8	596.5	0.289	1542.8	0.88
60.	59.7	28.543	28.528	34.529	21.869	21.862	37.976	197.1	4.51	100.7	596.8	0.349	1543.0	0.88
70.	69.6	28.468	28.451	34.497	21.871	21.863	37.982	196.6	4.50	100.3	597.1	0.409	1543.0	2.32
80.	79.5	26.282	26.264	33.867	22.098	22.091	38.324	169.1	3.87	82.9	575.5	0.468	1537.6	9.11
90.	89.5	22.426	22.408	33.834	23.219	23.213	39.645	153.7	3.52	70.6	468.4	0.520	1528.2	17.35
100.	99.4	19.628	19.610	34.125	24.197	24.191	40.777	143.7	3.30	62.9	375.1	0.562	1521.1	21.22
110.	109.4	17.634	17.616	34.322	24.848	24.842	41.547	137.4	3.15	58.0	313.2	0.596	1515.8	14.03
120.	119.3	16.588	16.569	34.449	25.194	25.188	41.958	130.5	2.99	54.1	280.5	0.625	1512.9	11.73
130.	129.2	14.813	14.794	34.388	25.545	25.540	42.433	122.6	2.82	49.1	247.0	0.652	1507.5	11.86
140.	139.2	13.407	13.388	34.445	25.885	25.881	42.872	119.4	2.74	46.5	214.7	0.674	1503.2	10.08
150.	149.1	12.589	12.569	34.448	26.051	26.046	43.099	111.5	2.56	42.7	199.0	0.695	1500.6	7.73
160.	159.0	12.354	12.333	34.517	26.151	26.146	43.214	105.6	2.43	40.3	189.8	0.714	1500.1	3.33
170.	169.0	11.944	11.922	34.518	26.230	26.225	43.325	105.3	2.42	39.8	182.4	0.733	1498.9	4.42
180.	178.9	11.755	11.732	34.512	26.261	26.256	43.371	105.4	2.42	39.7	179.6	0.751	1498.4	2.23
190.	188.8	11.561	11.537	34.513	26.298	26.293	43.424	104.9	2.41	39.3	176.3	0.769	1497.9	0.88
200.	198.8	11.357	11.332	34.515	26.338	26.333	43.479	104.4	2.40	39.0	172.7	0.786	1497.3	3.86
220.	218.6	11.035	11.008	34.522	26.403	26.397	43.569	102.2	2.35	37.9	166.9	0.820	1496.5	3.39
240.	238.5	10.535	10.506	34.587	26.543	26.537	43.747	95.0	2.18	34.9	153.9	0.852	1495.2	3.61
260.	258.4	10.256	10.225	34.628	26.624	26.618	43.850	86.4	1.99	31.5	146.6	0.883	1494.6	3.09
280.	278.2	10.061	10.028	34.636	26.663	26.657	43.906	84.5	1.94	30.7	143.2	0.911	1494.2	1.64
300.	298.1	9.957	9.922	34.661	26.701	26.695	43.951	81.4	1.87	29.5	140.0	0.940	1494.2	2.40
320.	318.0	9.794	9.757	34.684	26.746	26.740	44.010	80.4	1.85	29.1	136.1	0.967	1494.0	1.75
340.	337.8	9.627	9.588	34.701	26.789	26.782	44.065	79.0	1.82	28.4	132.4	0.994	1493.7	4.06
360.	357.7	9.430	9.390	34.712	26.830	26.823	44.123	78.6	1.81	28.2	128.8	1.020	1493.3	1.64
380.	377.5	9.229	9.187	34.717	26.867	26.860	44.177	77.3	1.78	27.6	125.6	1.046	1492.9	2.31
400.	397.4	9.126	9.082	34.721	26.887	26.880	44.206	76.8	1.77	27.4	124.0	1.071	1492.9	1.75
420.	417.2	9.000	8.954	34.728	26.913	26.905	44.242	75.6	1.74	26.9	121.9	1.095	1492.8	3.21
440.	437.1	8.871	8.823	34.725	26.931	26.923	44.272	75.5	1.74	26.7	120.4	1.120	1492.6	1.86
460.	456.9	8.762	8.712	34.727	26.951	26.943	44.301	75.0	1.73	26.5	118.9	1.143	1492.6	1.52
480.	476.7	8.660	8.608	34.728	26.967	26.959	44.326	74.9	1.72	26.4	117.6	1.167	1492.5	1.75
500.	496.6	8.493	8.440	34.714	26.983	26.974	44.356	75.0	1.73	26.4	116.4	1.191	1492.2	0.87
550.	546.2	8.015	7.958	34.693	27.039	27.030	44.455	75.8	1.74	26.3	111.5	1.247	1491.2	2.23
600.	595.8	7.234	7.176	34.635	27.107	27.098	44.594	82.4	1.90	28.1	105.0	1.301	1489.0	0.87
650.	645.3	6.940	6.877	34.647	27.158	27.149	44.672	82.2	1.89	27.9	100.6	1.352	1488.7	1.64
700.	694.9	6.680	6.614	34.647	27.194	27.185	44.732	82.3	1.89	27.7	97.6	1.402	1488.5	0.62
750.	744.4	6.153	6.085	34.614	27.237	27.228	44.825	88.4	2.03	29.4	93.4	1.450	1487.2	1.64
800.	794.0	5.970	5.899	34.610	27.257	27.248	44.862	89.9	2.07	29.8	91.9	1.496	1487.3	1.86
850.	843.5	5.758	5.683	34.602	27.278	27.269	44.904	91.9	2.11	30.3	90.2	1.541	1487.3	0.00
900.	893.0	5.543	5.465	34.601	27.304	27.294	44.950	93.5	2.15	30.7	88.0	1.586	1487.2	1.64
950.	942.5	5.293	5.212	34.598	27.332	27.322	45.003	95.6	2.20	31.2	85.4	1.629	1487.0	1.38
1000.	992.0	5.045	4.961	34.597	27.360	27.350	45.055	96.9	2.23	31.4	82.8	1.671	1486.9	1.07
1100.	1090.9	4.768	4.678	34.605	27.399	27.389	45.122	98.2	2.26	31.6	79.6	1.752	1487.4	0.00
1200.	1189.8	4.478	4.381	34.610	27.436	27.425	45.187	100.8	2.32	32.2	76.5	1.830	1487.9	1.38
1300.	1288.6	4.110	4.007	34.625	27.488	27.477	45.276	104.4	2.40	33.1	71.6	1.904	1488.0	2.47
1400.	1387.4	3.764	3.656	34.647	27.540	27.529	45.363	109.4	2.52	34.4	66.5	1.973	1488.3	1.38
1500.	1486.2	3.436	3.323	34.686	27.604	27.593	45.459	115.4	2.66	36.0	60.2	2.036	1488.6	1.24
fin	1519.	1505.0	3.386	3.272	34.690	27.612	27.601	45.473	117.3	2.70	59.5	2.048	1488.7	1.51

Vitesse verticale moyenne du son entre 2. et 1519. dbar : 1493.6 m/s  
 Pression de reference pour gamprf : 4000. dbar



Profils verticaux

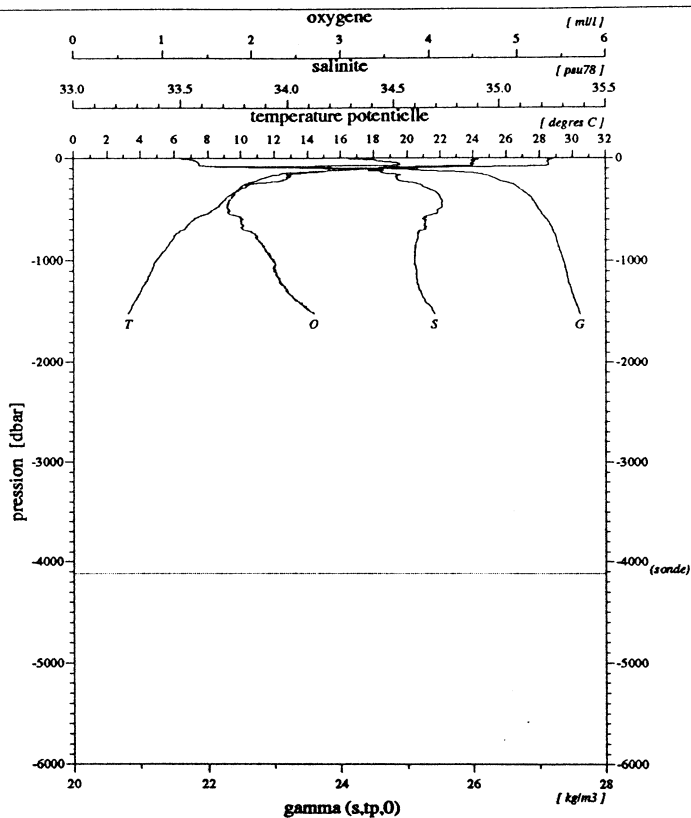


Diagramme salinite / oxygene

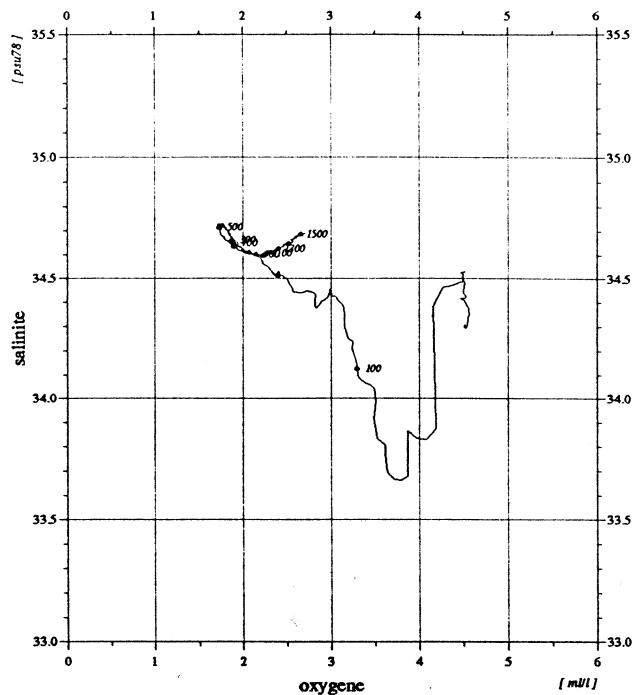


Diagramme temperature potentielle / salinite

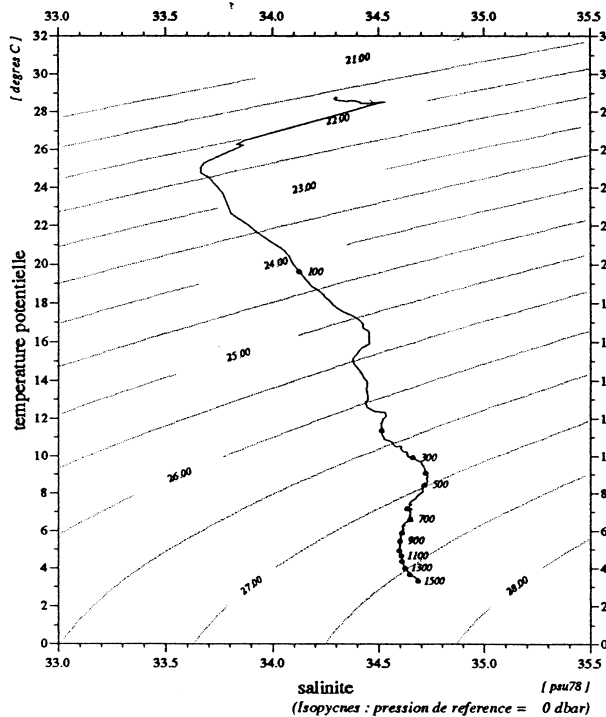
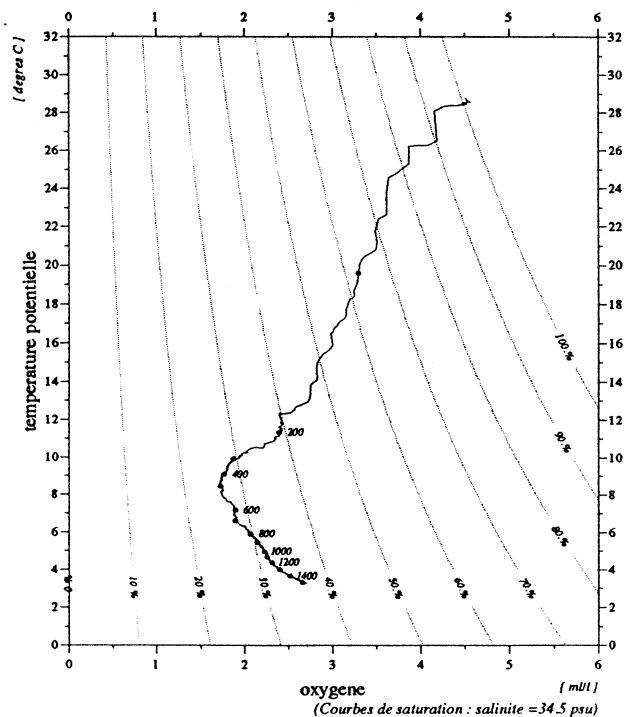


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1519
temperature	28.803	3.386
theta	28.803	3.272
salinite	34.299	34.690
gamma (s,tp,0)	21.606	27.612
oxygene	4.51	2.70

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 4058 m (4121 dbar)	
2- 3-1992	9.26' 6 S
5.53 tu	115.19' 0 E

MD71/JADE2

Station 26.20

94/01/24  
13:41:43

STATION-2630

1

JADE 92

station : 26.30

donnees reduites a 10 dbar

le 2/ 3/1992 a 4.14 tu -9.2644 115.1858 sonde: 4065 m (4128.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	28.912	28.911	34.302	21.572	21.569	37.666	193.7	4.43	99.4	622.5	0.000	1542.6	0.00
10.	9.9	28.511	28.509	34.317	21.717	21.714	37.828	197.0	4.51	100.5	609.0	0.043	1541.9	3.51
20.	19.9	28.545	28.541	34.361	21.739	21.735	37.849	196.2	4.49	100.1	607.3	0.104	1542.2	4.16
30.	29.8	28.479	28.471	34.425	21.810	21.805	37.921	194.5	4.45	99.2	601.0	0.164	1542.3	1.96
40.	39.8	28.493	28.483	34.473	21.842	21.836	37.952	189.9	4.34	96.9	598.4	0.224	1542.5	3.28
50.	49.7	28.531	28.519	34.523	21.868	21.862	37.975	189.9	4.35	97.0	596.4	0.284	1542.8	2.56
60.	59.7	28.534	28.520	34.527	21.871	21.864	37.978	191.8	4.39	97.9	596.6	0.344	1543.0	0.62
70.	69.6	28.501	28.485	34.510	21.869	21.862	37.978	191.2	4.38	97.6	597.2	0.403	1543.1	0.00
80.	79.5	26.589	26.571	33.969	22.079	22.071	38.288	167.6	3.84	82.6	577.4	0.462	1538.4	7.38
90.	89.5	22.987	22.969	33.771	23.013	23.006	39.409	156.2	3.58	72.4	488.2	0.517	1529.6	29.26
100.	99.4	20.632	20.613	34.095	23.911	23.904	40.432	140.3	3.22	62.5	402.6	0.561	1523.9	10.24
110.	109.4	17.708	17.690	34.287	24.803	24.798	41.499	138.7	3.18	58.6	317.5	0.596	1515.9	5.97
120.	119.3	16.847	16.827	34.362	25.066	25.061	41.816	132.5	3.04	55.2	292.7	0.626	1513.6	7.68
130.	129.2	15.672	15.652	34.391	25.359	25.353	42.186	126.0	2.89	51.3	264.9	0.654	1510.2	3.33
140.	139.2	14.460	14.440	34.427	25.652	25.647	42.563	119.7	2.75	47.6	237.1	0.679	1506.6	6.13
150.	149.1	13.010	12.990	34.437	25.959	25.954	42.975	114.3	2.63	44.1	207.9	0.701	1502.0	3.61
160.	159.0	12.528	12.506	34.471	26.081	26.076	43.133	109.2	2.51	41.8	196.4	0.721	1500.6	5.25
170.	169.0	12.279	12.257	34.528	26.174	26.169	43.244	105.5	2.42	40.2	187.8	0.741	1500.0	11.69
180.	178.9	11.907	11.884	34.517	26.236	26.232	43.335	106.1	2.44	40.1	182.0	0.759	1498.9	2.70
190.	188.8	11.711	11.687	34.511	26.269	26.264	43.382	103.8	2.39	39.1	179.1	0.777	1498.4	3.50
200.	198.8	11.581	11.555	34.513	26.295	26.290	43.419	106.4	2.45	39.9	176.8	0.795	1498.1	1.38
220.	218.6	11.121	11.094	34.516	26.382	26.376	43.542	103.0	2.37	38.2	168.9	0.829	1496.8	4.10
240.	238.5	10.701	10.672	34.560	26.492	26.486	43.684	98.1	2.25	36.1	158.8	0.862	1495.7	5.32
260.	258.4	10.342	10.311	34.615	26.598	26.592	43.818	88.8	2.04	32.5	149.1	0.893	1494.9	5.80
280.	278.2	10.132	10.099	34.633	26.649	26.643	43.886	86.0	1.98	31.3	144.6	0.922	1494.5	3.39
300.	298.1	9.993	9.958	34.649	26.686	26.679	43.933	84.3	1.94	30.6	141.5	0.951	1494.3	1.64
fin 304.	302.1	9.989	9.954	34.653	26.689	26.683	43.937	85.1	1.96	30.9	141.3	0.957	1494.4	2.05

Vitesse verticale moyenne du son entre 3. et 304. dbar : 1513.2 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

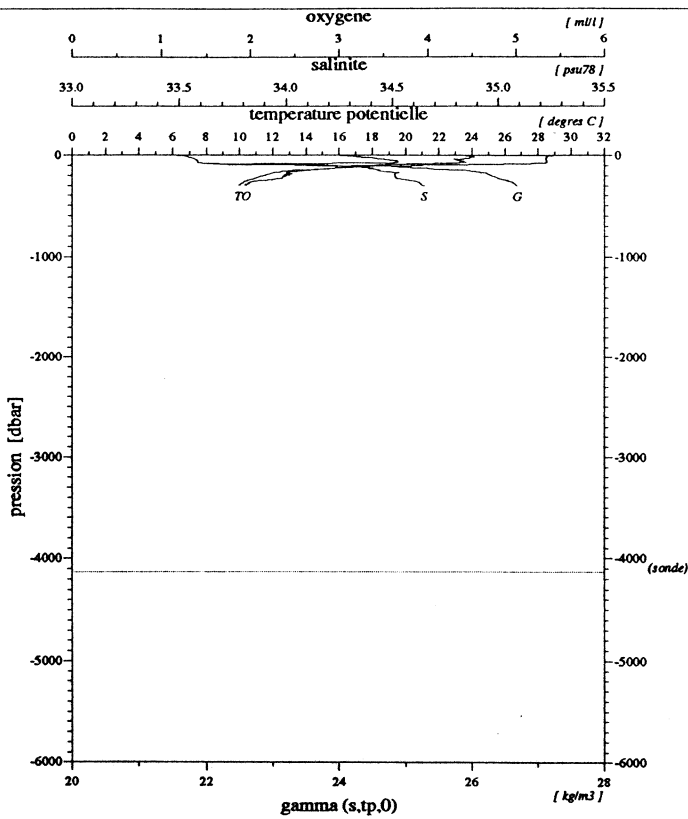


Diagramme salinite / oxygene

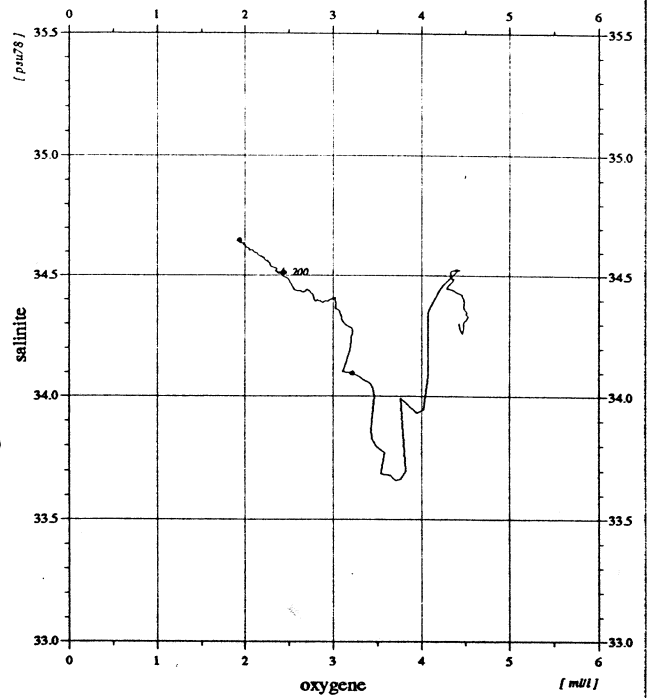


Diagramme temperature potentielle / salinite

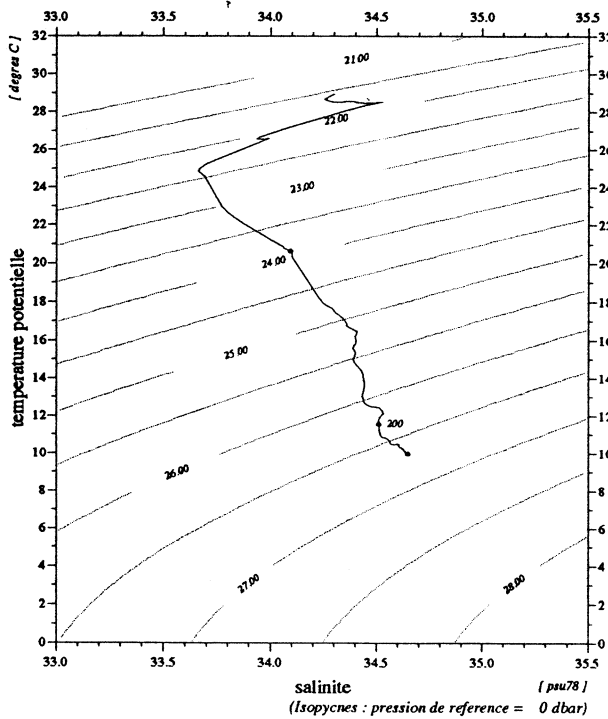
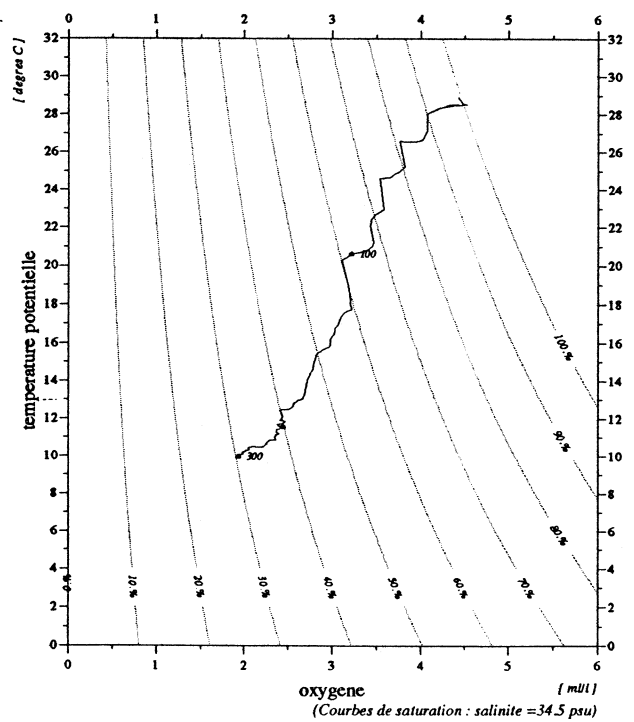


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	304.
temperature	28.912	9.989
theta	28.911	9.954
salinite	34.302	34.653
gamma (s, tp, 0)	21.572	26.689
oxygene	4.43	1.96

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 4065 m (4128 dbar)	
2-3-1992	9.26' 4 S
4.14 tu	115.18' 5 E

MD71/JADE2

Station 26.30

94/01/24  
13:42:23

1

STATION-2710

JADE 92

station : 27.10

donnees reduites a 10 dbar

le 5/ 3/1992 a 17.27 tu -9.0751 115.1246 sonde: 2188 m (2212.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	29.547	29.546	33.364	20.656	20.654	36.742	196.8	4.50	101.4	710.3	0.000	1543.0	0.00	
10.	9.9	29.360	29.357	33.429	20.768	20.765	36.861	197.8	4.52	101.7	699.9	0.056	1542.8	4.64	
20.	19.9	29.243	29.238	33.442	20.818	20.814	36.916	198.9	4.55	102.0	695.6	0.126	1542.7	6.28	
30.	29.8	29.211	29.204	33.491	20.866	20.861	36.964	200.1	4.57	102.6	691.5	0.196	1542.9	3.04	
40.	39.8	29.156	29.147	33.515	20.903	20.897	37.003	203.1	4.64	104.1	688.4	0.265	1543.0	3.62	
50.	49.7	29.103	29.091	33.552	20.949	20.943	37.052	205.7	4.70	105.4	684.4	0.333	1543.0	3.75	
60.	59.7	28.856	28.841	33.520	21.008	21.001	37.122	206.1	4.71	105.1	679.2	0.401	1542.7	7.90	
70.	69.6	28.565	28.548	33.513	21.100	21.092	37.227	202.5	4.63	102.8	670.9	0.469	1542.2	4.94	
80.	79.5	27.246	27.228	33.620	21.609	21.601	37.794	188.0	4.30	93.5	622.5	0.534	1539.5	10.91	
90.	89.5	25.957	25.937	33.671	22.052	22.044	38.298	174.0	3.98	84.7	580.4	0.595	1536.8	23.20	
100.	99.4	21.233	21.214	34.046	23.711	23.704	40.199	149.3	3.42	67.2	421.7	0.644	1525.4	15.35	
110.	109.4	17.946	17.927	34.335	24.781	24.776	41.461	134.8	3.09	57.3	319.6	0.679	1516.7	4.76	
120.	119.3	15.590	15.571	34.445	25.418	25.413	42.250	125.3	2.88	50.9	258.9	0.709	1509.9	10.34	
130.	129.2	14.192	14.173	34.484	25.752	25.747	42.681	119.6	2.75	47.3	227.2	0.733	1505.6	4.63	
140.	139.2	13.550	13.530	34.502	25.901	25.896	42.875	114.9	2.64	44.9	213.3	0.755	1503.7	6.46	
150.	149.1	12.980	12.960	34.527	26.035	26.031	43.052	111.2	2.55	42.9	200.6	0.776	1502.0	7.08	
160.	159.0	12.276	12.255	34.534	26.179	26.174	43.248	110.0	2.53	41.9	187.0	0.795	1499.9	4.79	
170.	169.0	12.012	11.990	34.547	26.240	26.235	43.329	104.4	2.40	39.5	181.5	0.813	1499.1	5.50	
180.	178.9	11.865	11.842	34.568	26.284	26.279	43.384	102.3	2.35	38.6	177.5	0.831	1498.8	2.90	
190.	188.8	11.694	11.670	34.583	26.328	26.323	43.441	101.3	2.33	38.1	173.5	0.849	1498.4	2.97	
200.	198.8	11.496	11.471	34.580	26.363	26.358	43.491	101.7	2.34	38.1	170.4	0.866	1497.9	2.97	
220.	218.6	10.977	10.950	34.566	26.447	26.442	43.617	98.6	2.27	36.5	162.7	0.899	1496.4	2.05	
240.	238.5	10.568	10.539	34.580	26.531	26.526	43.734	94.3	2.17	34.6	155.0	0.931	1495.3	2.90	
260.	258.4	10.476	10.445	34.634	26.590	26.584	43.798	86.6	1.99	31.7	149.9	0.961	1495.4	0.00	
280.	278.2	10.233	10.200	34.605	26.609	26.603	43.839	87.5	2.01	31.9	148.4	0.991	1494.8	0.87	
300.	298.1	10.230	10.194	34.675	26.665	26.659	43.893	83.0	1.91	30.3	143.6	1.020	1495.2	1.24	
321.	318.9	9.952	9.915	34.660	26.701	26.695	43.952	80.4	1.85	29.2	140.4	1.050	1494.5	2.47	
340.	337.8	9.940	9.900	34.735	26.762	26.755	44.012	76.9	1.77	27.9	135.1	1.076	1494.9	2.90	
360.	357.7	9.786	9.745	34.730	26.785	26.777	44.048	76.3	1.75	27.6	133.3	1.103	1494.7	2.23	
380.	377.5	9.710	9.667	34.734	26.801	26.793	44.070	75.9	1.75	27.4	132.2	1.129	1494.7	1.86	
400.	397.4	9.614	9.569	34.739	26.821	26.813	44.099	75.5	1.74	27.2	130.6	1.156	1494.7	2.40	
420.	417.2	9.531	9.483	34.745	26.840	26.832	44.125	75.1	1.73	27.0	129.2	1.182	1494.7	1.96	
440.	437.1	9.462	9.413	34.748	26.854	26.846	44.144	74.5	1.71	26.7	128.3	1.207	1494.8	0.62	
460.	456.9	9.361	9.309	34.762	26.882	26.873	44.181	74.0	1.70	26.5	126.0	1.233	1494.8	1.07	
480.	476.7	9.270	9.216	34.764	26.899	26.890	44.205	74.2	1.71	26.5	124.7	1.258	1494.8	0.00	
500.	496.6	9.163	9.107	34.758	26.912	26.902	44.227	74.8	1.72	26.7	123.8	1.283	1494.7	1.38	
550.	546.2	8.540	8.481	34.742	26.998	26.988	44.367	73.5	1.69	25.9	116.0	1.343	1493.2	2.97	
600.	595.8	7.800	7.739	34.710	27.085	27.076	44.520	74.1	1.70	25.6	107.8	1.398	1491.2	3.33	
650.	645.3	7.179	7.116	34.643	27.121	27.112	44.614	77.1	1.77	26.3	104.4	1.451	1489.6	3.44	
700.	694.9	6.771	6.705	34.658	27.190	27.181	44.720	80.4	1.85	27.2	98.1	1.502	1488.9	0.62	
750.	744.4	6.596	6.525	34.653	27.210	27.201	44.756	81.5	1.87	27.4	96.7	1.550	1489.0	1.38	
800.	794.0	6.295	6.222	34.633	27.234	27.225	44.809	85.5	1.97	28.6	94.6	1.598	1488.6	0.62	
850.	843.5	6.123	6.046	34.623	27.249	27.239	44.840	86.1	1.98	28.6	93.7	1.645	1488.7	2.31	
900.	893.0	5.786	5.706	34.616	27.286	27.276	44.910	90.2	2.08	29.8	90.2	1.691	1488.2	1.38	
950.	942.5	5.444	5.362	34.602	27.317	27.307	44.973	93.5	2.15	30.6	87.2	1.735	1487.7	2.05	
1000.	992.0	5.261	5.175	34.613	27.348	27.338	45.022	94.7	2.18	30.8	84.5	1.778	1487.8	1.07	
1100.	1090.9	4.575	4.485	34.620	27.432	27.422	45.173	99.9	2.30	32.0	76.1	1.859	1486.6	2.23	
1200.	1189.8	4.194	4.099	34.635	27.485	27.475	45.264	103.4	2.38	32.8	71.1	1.933	1486.7	0.87	
1300.	1288.7	3.995	3.893	34.647	27.517	27.506	45.315	107.2	2.47	33.9	68.5	2.003	1487.6	0.62	
1400.	1387.5	3.739	3.631	34.664	27.556	27.546	45.381	110.4	2.54	34.7	64.9	2.069	1488.2	1.64	
1500.	1486.2	3.510	3.396	34.674	27.588	27.577	45.436	114.7	2.64	35.8	62.0	2.132	1488.9	1.24	
1600.	1584.9	3.328	3.207	34.692	27.620	27.608	45.487	118.3	2.72	36.8	59.2	2.193	1489.8	2.05	
1700.	1683.6	3.119	2.992	34.706	27.651	27.639	45.539	123.2	2.84	38.1	56.2	2.251	1490.6	0.87	
1800.	1782.2	2.933	2.800	34.712	27.674	27.661	45.582	128.3	2.95	39.5	54.0	2.306	1491.5	0.00	
1900.	1880.8	2.749	2.610	34.713	27.691	27.679	45.619	132.5	3.05	40.6	52.3	2.359	1492.4	0.00	
2000.	1979.3	2.527	2.383	34.721	27.717	27.705	45.668	139.1	3.20	42.4	49.4	2.410	1493.1	0.62	
fin	2145.	2.122.1	2.414	2.258	34.722	27.728	27.715	45.693	142.0	3.27	43.1	48.6	2.481	1495.1	0.62

Vitesse verticale moyenne du son entre 2. et 2145. dbar : 1493.6 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

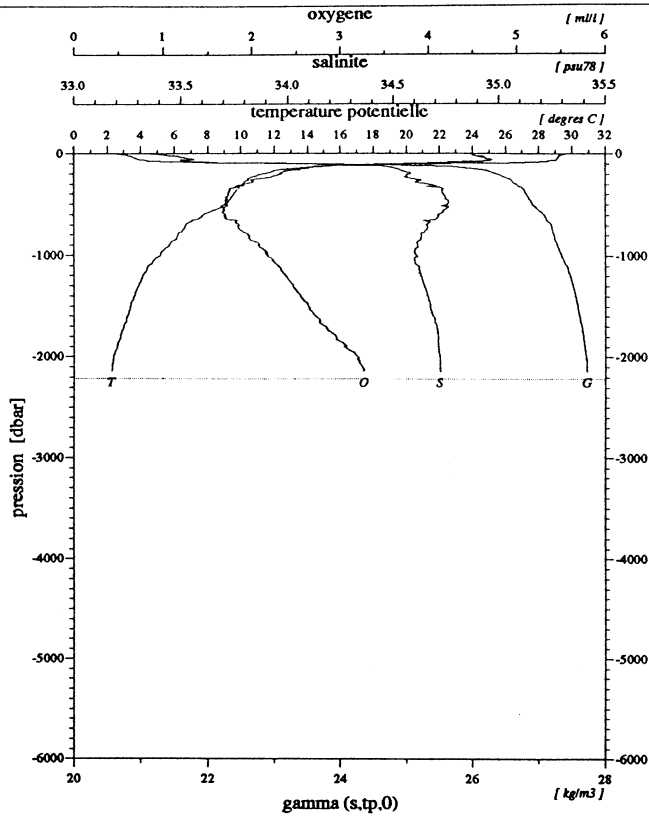


Diagramme salinite / oxygene

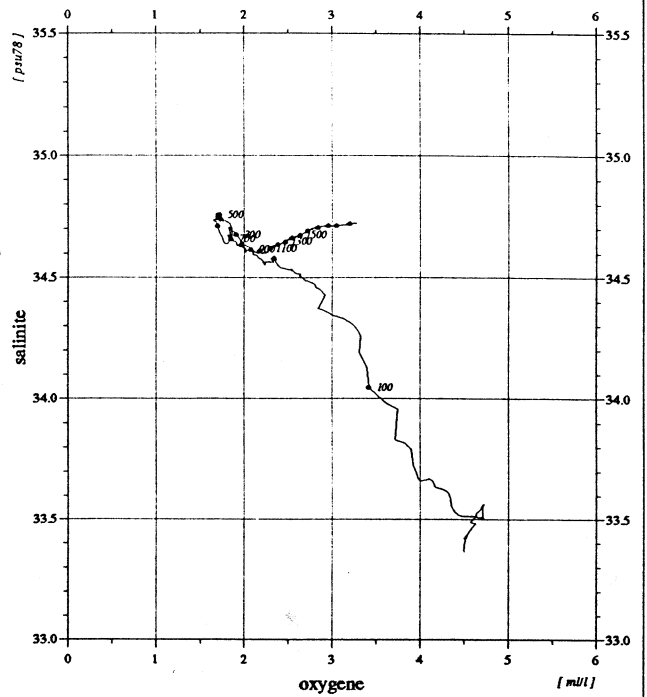


Diagramme temperature potentielle / salinite

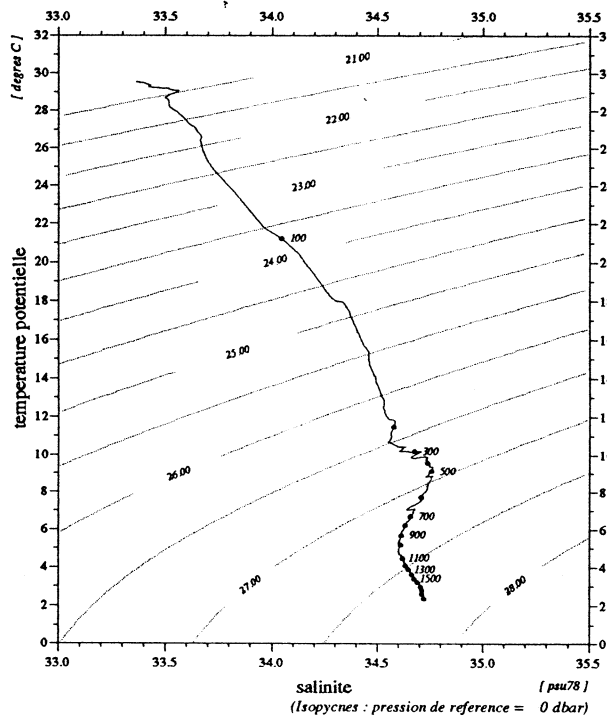
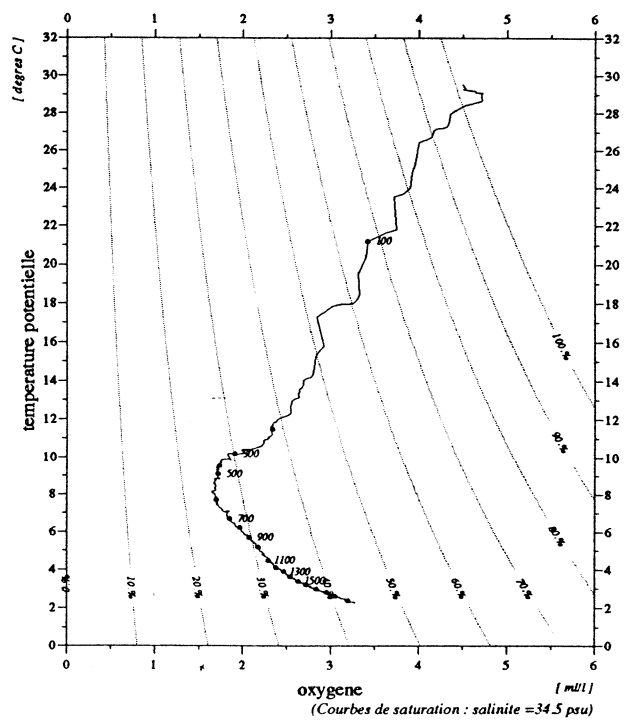


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	2145
temperature	29.547	2.414
theta	29.546	2.258
salinite	33.364	34.722
gamma (s,tp,0)	20.656	27.728
oxygene	4.50	3.27

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 2188 m (2212 dbar)	
5- 3-1992	9.7' 5 S
17.27 tu	115.12' 4 E

MD71/JADE2

Station 27.10

94/01/24  
13:42:24

STATION-2720

1

JADE 92

station : 27.20

donnees reduites a 10 dbar

le 5/ 3/1992 a 19.40 tu -9.0734 115.1251 sonde: 2166 m (2190.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.542	29.542	33.316	20.621	20.619	36.708	198.6	4.54	102.3	713.6	0.000	1542.9	0.00
10.	9.9	29.355	29.353	33.424	20.766	20.762	36.859	199.3	4.56	102.4	700.2	0.057	1542.8	8.60
20.	19.9	29.226	29.221	33.476	20.849	20.845	36.947	202.7	4.63	104.0	692.6	0.127	1542.7	2.88
30.	29.8	29.140	29.133	33.519	20.911	20.906	37.012	203.0	4.64	104.0	687.2	0.196	1542.8	6.94
40.	39.8	29.054	29.045	33.558	20.970	20.964	37.074	202.8	4.64	103.8	682.0	0.264	1542.8	4.98
50.	49.7	28.674	28.662	33.492	21.047	21.041	37.169	204.4	4.67	103.9	675.1	0.332	1542.1	7.00
60.	59.7	28.441	28.427	33.514	21.141	21.134	37.273	196.6	4.50	99.6	666.5	0.399	1541.7	7.92
70.	69.6	26.763	26.747	33.656	21.788	21.781	37.995	158.1	3.62	78.0	604.9	0.463	1538.3	13.38
82.	81.5	18.341	18.327	34.287	24.646	24.641	41.301	153.6	3.53	65.8	331.6	0.521	1517.3	29.79
90.	89.5	15.798	15.784	34.433	25.362	25.358	42.179	132.6	3.04	54.1	263.4	0.545	1510.0	24.45
100.	99.4	14.807	14.793	34.450	25.594	25.590	42.479	123.7	2.84	49.5	241.5	0.571	1507.1	14.96
110.	109.4	14.059	14.043	34.491	25.785	25.781	42.723	119.4	2.74	47.1	223.5	0.594	1504.9	4.75
120.	119.3	13.542	13.525	34.502	25.901	25.897	42.876	117.7	2.70	46.0	212.6	0.616	1503.4	9.82
130.	129.2	12.844	12.826	34.528	26.063	26.059	43.089	114.5	2.63	44.1	197.4	0.636	1501.3	6.95
140.	139.2	12.354	12.335	34.536	26.165	26.161	43.228	108.7	2.50	41.4	187.9	0.655	1499.8	3.33
150.	149.1	12.145	12.125	34.541	26.209	26.205	43.288	107.1	2.46	40.7	183.9	0.674	1499.2	3.33
160.	159.0	11.878	11.857	34.576	26.287	26.282	43.386	102.5	2.36	38.7	176.7	0.692	1498.5	4.59
172.	171.0	11.592	11.570	34.586	26.349	26.345	43.470	107.4	2.47	40.3	171.0	0.713	1497.8	4.48
180.	178.9	11.432	11.409	34.576	26.371	26.366	43.505	98.4	2.26	36.8	169.1	0.727	1497.3	4.42
190.	188.8	11.064	11.040	34.563	26.428	26.424	43.591	98.8	2.27	36.7	163.8	0.743	1496.2	3.45
200.	198.8	10.950	10.926	34.564	26.450	26.445	43.622	97.6	2.24	36.1	161.9	0.759	1496.0	2.14
220.	218.6	10.585	10.559	34.587	26.533	26.528	43.734	96.2	2.21	35.4	154.4	0.791	1495.0	3.44
240.	238.5	10.416	10.388	34.622	26.591	26.585	43.804	88.4	2.03	32.4	149.3	0.821	1494.8	1.24
260.	258.4	10.275	10.244	34.607	26.604	26.598	43.829	89.3	2.05	32.6	148.5	0.851	1494.6	0.62
280.	278.2	10.173	10.140	34.660	26.663	26.657	43.895	86.6	1.99	31.5	143.3	0.880	1494.6	1.75
300.	298.1	10.186	10.150	34.713	26.702	26.696	43.932	80.7	1.86	29.4	140.1	0.909	1495.1	1.96
320.	318.0	9.980	9.943	34.741	26.760	26.753	44.006	78.3	1.80	28.4	134.9	0.936	1494.7	4.33
340.	337.8	9.827	9.788	34.737	26.783	26.776	44.043	76.3	1.75	27.6	133.1	0.963	1494.5	0.62
fin	354.	351.7	9.781 , 9.740	34.732	26.787	26.780	44:051	76.3	1.75	27.6	133.0	0.982	1494.5	1.07

Vitesse verticale moyenne du son entre 2. et 354. dbar : 1507.5 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

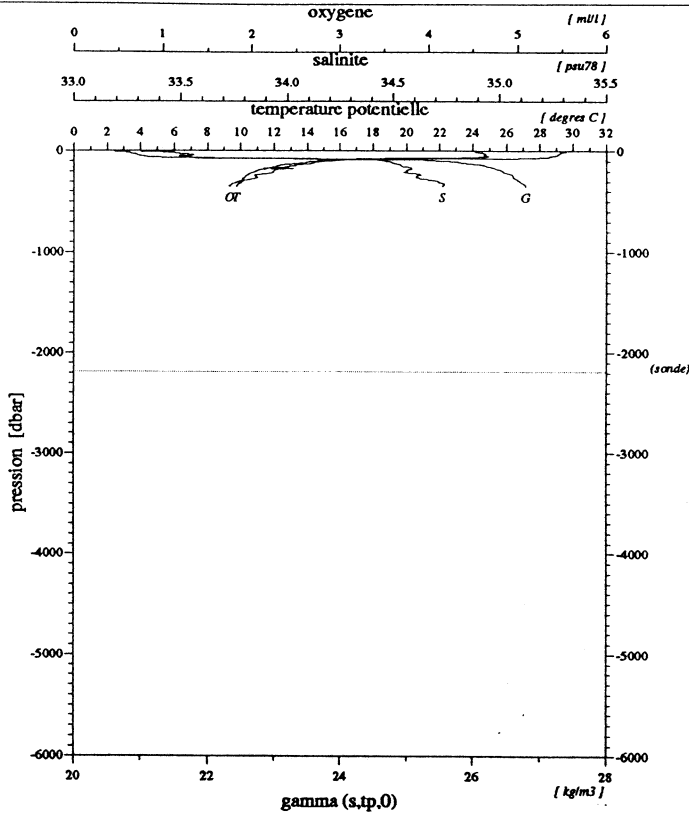


Diagramme salinite / oxygene

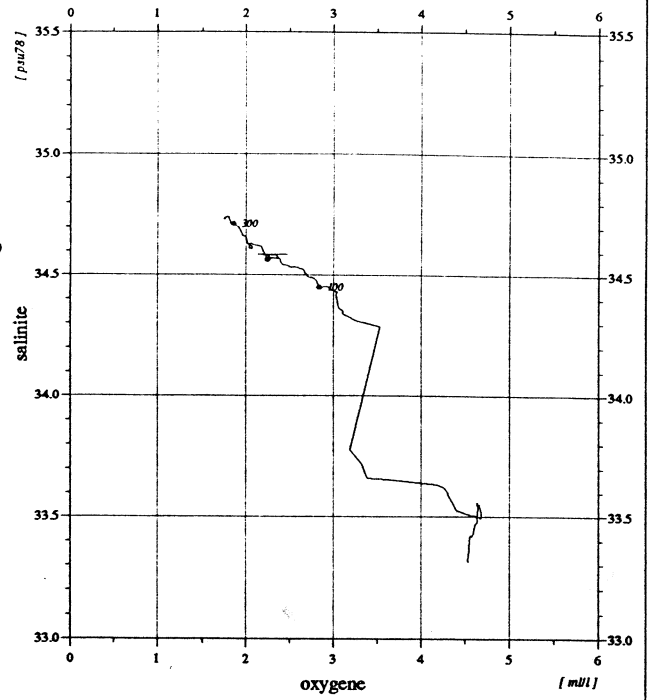


Diagramme temperature potentielle / salinite

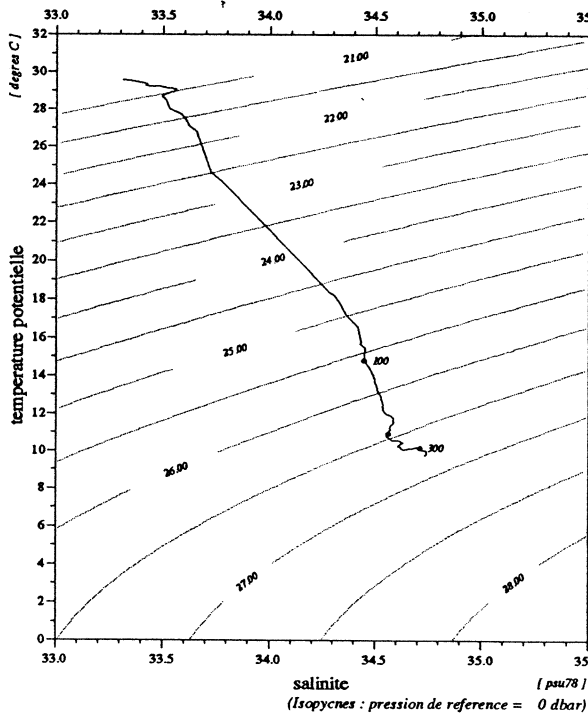
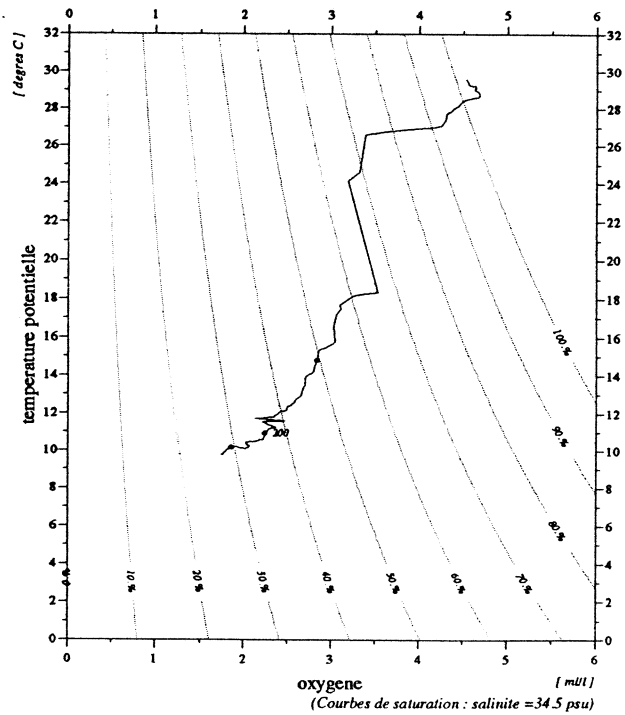


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	354
temperature	29.542	9.781
theta	29.542	9.740
salinite	33.316	34.732
gamma (s, tp, 0)	20.621	26.788
oxygene	4.54	1.75

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 2166 m (2190 dbar)	
5- 3-1992	9. 7' 3 S
19.40 tu	115.12' 5 E

MD71/JADE2

Station 27.20

94/01/24  
13:42:11

STATION-2810

1

JADE 92

station : 28.10

donnees reduites a 10 dbar

le 2/ 3/1992 a 13.10 tu -9.0271 115.1479 sonde: 1830 m (1848.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
3.	3.0	29.222	29.222	33.537	20.895	20.892	36.991	198.0	4.53	101.6	687.4	0.000	1542.5	0.00	
10.	9.9	29.233	29.230	33.538	20.893	20.889	36.989	197.3	4.51	101.2	688.0	0.048	1542.6	4.12	
20.	19.9	29.068	29.063	33.554	20.960	20.956	37.063	198.4	4.54	101.6	682.0	0.117	1542.5	9.27	
30.	29.8	28.899	28.891	33.610	21.059	21.054	37.169	198.3	4.53	101.3	673.0	0.185	1542.3	6.19	
40.	39.8	28.791	28.781	33.630	21.111	21.105	37.225	198.2	4.53	101.0	668.5	0.252	1542.3	1.86	
50.	49.7	28.760	28.748	33.637	21.127	21.120	37.242	200.7	4.59	102.3	667.4	0.318	1542.4	1.16	
60.	59.7	28.734	28.719	33.649	21.145	21.138	37.262	200.6	4.59	102.2	666.1	0.385	1542.5	3.22	
70.	69.6	28.381	28.365	33.680	21.285	21.278	37.417	195.7	4.47	99.1	653.1	0.451	1542.0	6.67	
80.	79.5	28.421	28.402	33.845	21.397	21.389	37.524	196.6	4.50	99.8	642.9	0.516	1542.4	3.97	
90.	89.5	28.397	28.375	33.941	21.478	21.469	37.604	199.6	4.57	101.3	635.6	0.580	1542.6	3.10	
100.	99.4	28.136	28.112	33.842	21.490	21.480	37.630	191.6	4.38	96.8	634.9	0.643	1542.1	3.67	
110.	109.4	24.537	24.513	33.738	22.536	22.527	38.852	139.5	3.19	66.4	534.8	0.702	1533.8	12.14	
120.	119.3	19.784	19.762	34.169	24.191	24.184	40.761	119.2	2.73	52.3	376.5	0.745	1521.9	19.67	
130.	129.2	15.084	15.064	34.430	25.519	25.514	42.386	117.9	2.71	47.5	249.6	0.774	1508.4	12.58	
140.	139.2	12.976	12.957	34.521	26.031	26.026	43.047	116.1	2.67	44.8	200.8	0.795	1501.9	6.40	
150.	149.1	12.590	12.570	34.530	26.115	26.110	43.160	109.4	2.51	41.9	193.0	0.815	1500.7	5.03	
160.	159.0	12.189	12.168	34.534	26.196	26.191	43.271	107.9	2.48	41.0	185.5	0.834	1499.6	2.77	
170.	169.0	11.927	11.905	34.538	26.249	26.244	43.345	104.9	2.41	39.6	180.5	0.852	1498.8	6.25	
180.	178.9	11.678	11.655	34.543	26.300	26.295	43.415	101.5	2.33	38.2	175.9	0.870	1498.1	3.16	
190.	188.8	11.466	11.442	34.550	26.345	26.340	43.476	98.5	2.26	36.9	171.8	0.887	1497.6	1.52	
200.	198.8	11.415	11.390	34.554	26.358	26.352	43.493	97.3	2.24	36.4	170.9	0.904	1497.6	2.40	
220.	218.6	10.887	10.860	34.555	26.455	26.450	43.632	95.3	2.19	35.2	161.9	0.938	1496.1	4.29	
240.	238.5	10.449	10.420	34.554	26.531	26.526	43.744	94.1	2.16	34.5	154.9	0.969	1494.8	3.44	
260.	258.4	10.220	10.189	34.587	26.597	26.592	43.828	90.3	2.08	32.9	149.0	1.000	1494.4	4.01	
280.	278.2	10.075	10.043	34.625	26.652	26.646	43.894	85.3	1.96	31.0	144.3	1.029	1494.3	4.15	
300.	298.1	9.928	9.893	34.638	26.688	26.681	43.941	82.8	1.90	30.0	141.3	1.058	1494.1	2.05	
320.	318.0	9.874	9.837	34.643	26.701	26.694	43.959	82.2	1.89	29.7	140.4	1.086	1494.2	1.07	
340.	337.8	9.919	9.880	34.742	26.771	26.764	44.023	74.9	1.72	27.2	134.2	1.113	1494.8	1.75	
360.	357.7	9.752	9.710	34.744	26.801	26.794	44.067	74.0	1.70	26.7	131.8	1.140	1494.6	1.64	
380.	377.5	9.510	9.467	34.736	26.836	26.828	44.122	74.5	1.71	26.8	128.7	1.166	1494.0	1.07	
400.	397.4	9.453	9.408	34.736	26.845	26.837	44.136	73.6	1.69	26.4	128.2	1.192	1494.1	1.52	
420.	417.2	9.385	9.338	34.737	26.858	26.850	44.155	73.9	1.70	26.5	127.4	1.217	1494.2	2.31	
440.	437.1	9.344	9.294	34.738	26.866	26.858	44.166	73.7	1.70	26.4	127.0	1.243	1494.4	0.87	
460.	456.9	9.163	9.111	34.723	26.884	26.875	44.200	74.5	1.71	26.6	125.6	1.268	1494.0	0.87	
480.	476.7	9.093	9.040	34.730	26.901	26.892	44.223	74.5	1.71	26.5	124.4	1.293	1494.1	2.40	
500.	496.6	9.107	9.052	34.747	26.912	26.902	44.232	73.5	1.69	26.2	123.8	1.318	1494.5	1.52	
550.	546.2	8.910	8.849	34.759	26.954	26.944	44.291	71.9	1.65	25.5	120.6	1.379	1494.6	1.38	
600.	595.8	8.346	8.282	34.735	27.023	27.013	44.410	72.0	1.66	25.2	114.4	1.437	1493.3	1.38	
650.	645.3	7.907	7.840	34.713	27.073	27.062	44.499	74.4	1.71	25.8	110.1	1.493	1492.5	0.62	
700.	694.9	7.361	7.291	34.678	27.125	27.115	44.600	75.7	1.74	25.9	105.2	1.547	1491.2	1.64	
750.	744.4	6.658	6.587	34.653	27.202	27.192	44.742	82.9	1.91	27.9	97.6	1.598	1489.2	1.52	
800.	794.0	6.473	6.399	34.649	27.224	27.214	44.781	84.5	1.94	28.3	96.0	1.646	1489.3	0.87	
850.	843.5	6.108	6.031	34.634	27.260	27.250	44.852	88.1	2.03	29.3	92.6	1.693	1488.7	2.23	
900.	893.0	5.696	5.617	34.619	27.300	27.290	44.931	91.3	2.10	30.1	88.7	1.739	1487.9	0.62	
950.	942.5	5.375	5.293	34.609	27.331	27.321	44.993	93.6	2.15	30.6	85.8	1.782	1487.4	1.38	
1000.	992.0	5.159	5.074	34.616	27.363	27.353	45.046	95.2	2.19	31.0	82.9	1.825	1487.4	2.77	
1100.	1090.9	4.609	4.520	34.623	27.431	27.421	45.168	100.8	2.32	32.3	76.3	1.904	1486.8	0.00	
1200.	1189.8	4.351	4.255	34.630	27.465	27.455	45.228	103.1	2.37	32.9	73.4	1.979	1487.4	0.62	
1300.	1288.7	4.115	4.012	34.638	27.497	27.486	45.284	105.7	2.43	33.5	70.7	2.052	1488.1	0.87	
1400.	1387.5	3.781	3.673	34.660	27.549	27.538	45.370	110.5	2.54	34.7	65.7	2.120	1488.4	1.51	
1500.	1486.2	3.519	3.405	34.675	27.587	27.576	45.434	116.7	2.68	36.5	62.1	2.184	1488.9	1.38	
1600.	1584.9	3.234	3.115	34.691	27.628	27.617	45.504	122.5	2.82	38.0	58.1	2.243	1489.4	0.00	
1700.	1683.6	3.089	2.962	34.698	27.648	27.636	45.540	125.6	2.89	38.8	56.4	2.301	1490.5	0.62	
1800.	1782.2	2.859	2.727	34.708	27.676	27.665	45.592	131.5	3.03	40.4	53.4	2.356	1491.2	0.62	
fin	1813.	1795.0	2.872	2.739	34.705	27.673	27.661	45.588	131.5	3.03	40.4	53.9	2.363	1491.5	0.00

Vitesse verticale moyenne du son entre 3. et 1813. dbar : 1494.1 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

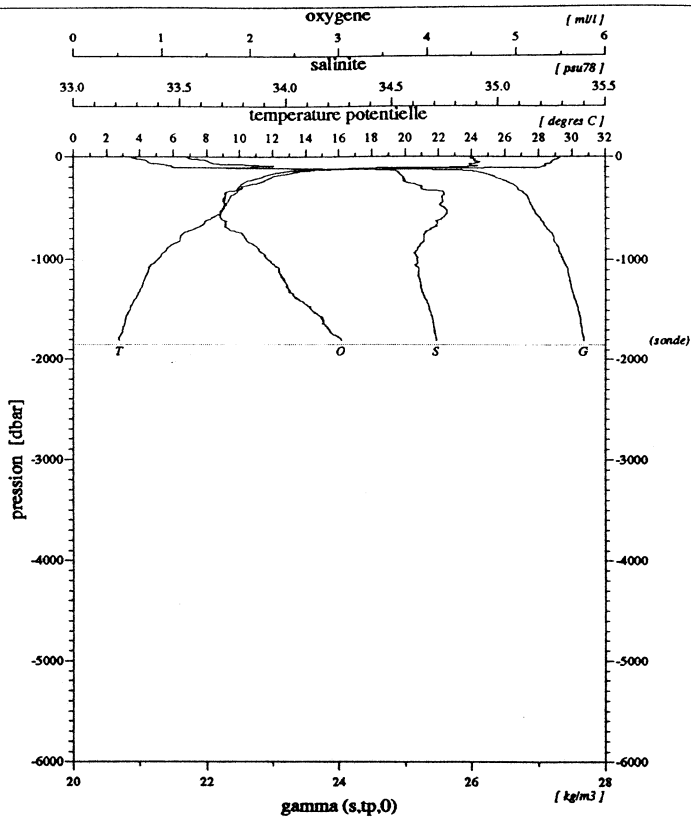


Diagramme salinite / oxygene

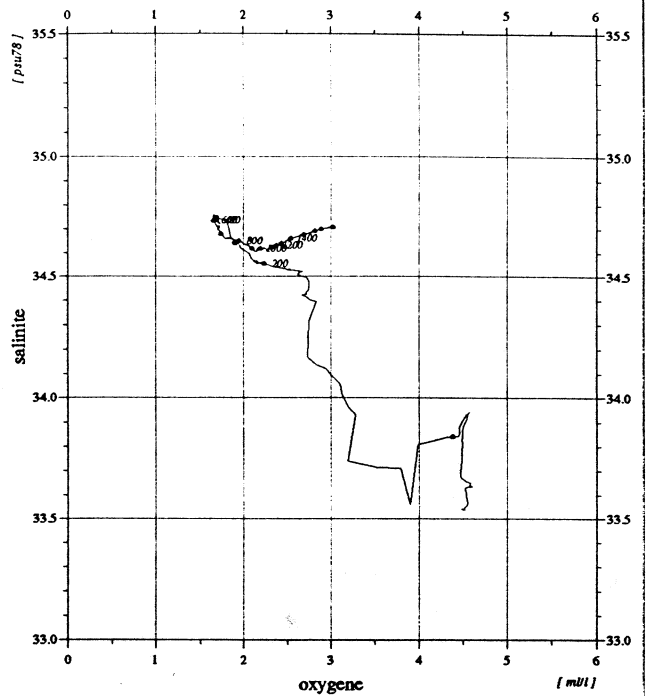


Diagramme temperature potentielle / salinite

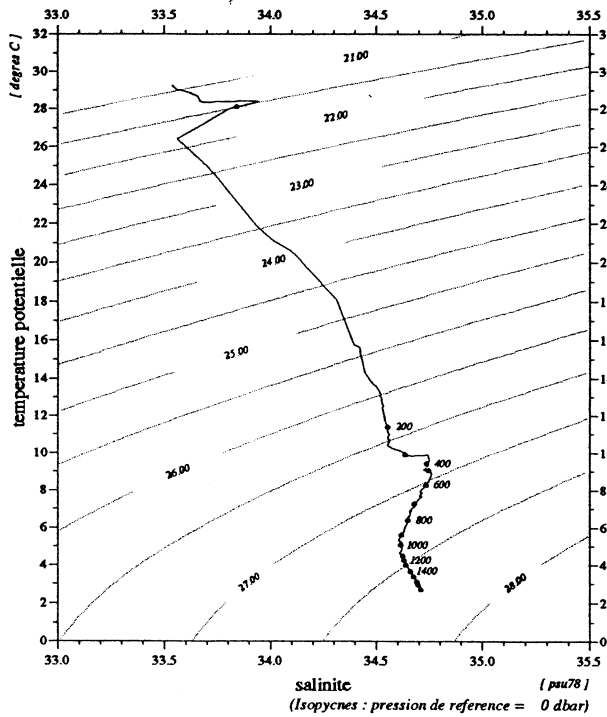
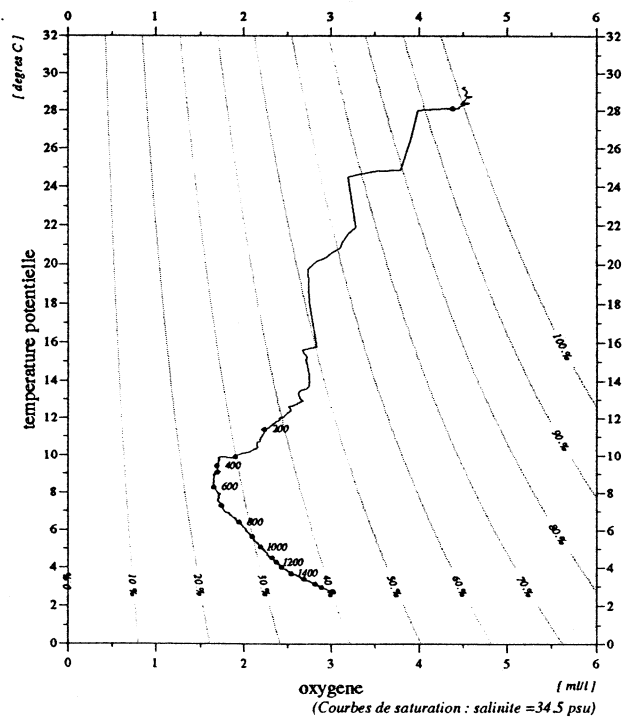


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	1813.
temperature	29.222	2.872
theta	29.222	2.739
salinite	33.537	34.705
gamma (s,tp,0)	20.895	27.674
oxygene	4.53	3.03

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 1830 m (1848 dbar)	
2- 3-1992	9.2' 7 S
13.10 tu	115.14' 7 E

MD71/JADE2

Station 28.10

94/01/24  
13:42:12

STATION-2820

1

JADE 92

station : 28.20

donnees reduites a 10 dbar

le 2/ 3/1992 a 15.15 tu -9.0207 115.1562 sonde: 1681 m (1697.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.078	29.078	33.555	20.956	20.954	37.059	196.6	4.49	100.7	681.5	0.000	1542.2	0.00
10.	9.9	29.036	29.034	33.561	20.975	20.972	37.080	199.4	4.56	102.0	680.1	0.055	1542.2	6.34
20.	19.9	28.922	28.917	33.596	21.040	21.037	37.149	204.2	4.67	104.3	674.3	0.122	1542.2	4.60
30.	29.8	28.813	28.806	33.628	21.101	21.096	37.214	204.2	4.67	104.2	669.0	0.189	1542.2	1.86
40.	39.8	28.798	28.788	33.632	21.110	21.105	37.224	201.9	4.62	103.0	668.5	0.256	1542.3	0.00
50.	49.7	28.483	28.471	33.592	21.185	21.179	37.313	198.6	4.54	100.8	661.8	0.323	1541.8	8.28
60.	59.7	28.389	28.375	33.812	21.381	21.375	37.510	200.1	4.58	101.5	643.4	0.388	1541.9	5.80
70.	69.6	28.257	28.240	33.820	21.431	21.424	37.566	194.6	4.45	98.5	639.1	0.452	1541.8	2.24
80.	79.5	28.221	28.202	33.840	21.459	21.451	37.595	185.6	4.25	93.9	636.9	0.516	1541.9	0.00
90.	89.5	25.427	25.408	33.788	22.303	22.296	38.573	162.6	3.72	78.6	556.3	0.575	1535.6	6.25
100.	100.4	23.499	23.478	33.874	22.944	22.936	39.311	125.1	2.87	58.5	495.3	0.634	1531.2	17.97
110.	109.4	19.033	19.014	34.242	24.439	24.433	41.053	120.8	2.77	52.4	352.3	0.670	1519.7	13.20
119.	118.3	15.298	15.280	34.415	25.460	25.455	42.313	100.6	2.31	40.6	254.9	0.697	1508.9	11.53
130.	129.2	13.527	13.509	34.512	25.912	25.908	42.888	118.0	2.71	46.1	211.9	0.721	1503.5	4.01
140.	139.2	12.781	12.762	34.529	26.076	26.072	43.107	110.5	2.54	42.5	196.4	0.742	1501.2	12.17
150.	149.1	12.344	12.324	34.530	26.163	26.158	43.227	108.6	2.49	41.4	188.3	0.761	1499.9	5.47
160.	159.0	11.616	11.596	34.541	26.309	26.305	43.429	104.9	2.41	39.4	174.5	0.780	1497.6	8.37
170.	169.0	11.446	11.425	34.547	26.345	26.341	43.478	101.6	2.33	38.0	171.3	0.797	1497.2	5.03
180.	178.9	11.231	11.208	34.552	26.389	26.385	43.539	99.1	2.28	36.9	167.3	0.814	1496.6	3.45
190.	188.8	10.969	10.946	34.557	26.441	26.436	43.611	96.7	2.22	35.8	162.6	0.830	1495.9	3.15
200.	198.8	10.702	10.678	34.554	26.486	26.481	43.678	97.1	2.23	35.8	158.4	0.846	1495.1	4.75
220.	218.6	10.388	10.362	34.567	26.552	26.547	43.769	93.0	2.14	34.0	152.5	0.877	1494.3	3.21
240.	238.5	10.183	10.155	34.602	26.615	26.610	43.848	89.4	2.06	32.6	146.9	0.907	1494.0	6.00
260.	258.4	10.041	10.010	34.635	26.665	26.660	43.909	83.3	1.92	30.3	142.5	0.936	1493.8	2.05
280.	278.2	9.916	9.884	34.643	26.693	26.688	43.948	81.8	1.88	29.6	140.2	0.964	1493.7	1.96
300.	298.1	9.850	9.816	34.653	26.712	26.706	43.972	80.4	1.85	29.1	138.9	0.992	1493.8	1.75
fin 308.	306.0	9.857	9.822	34.656	26.714	26.708	43.973	81.2	1.87	29.4	138.9	1.003	1494.0	0.87

Vitesse verticale moyenne du son entre 2. et 308. dbar : 1512.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

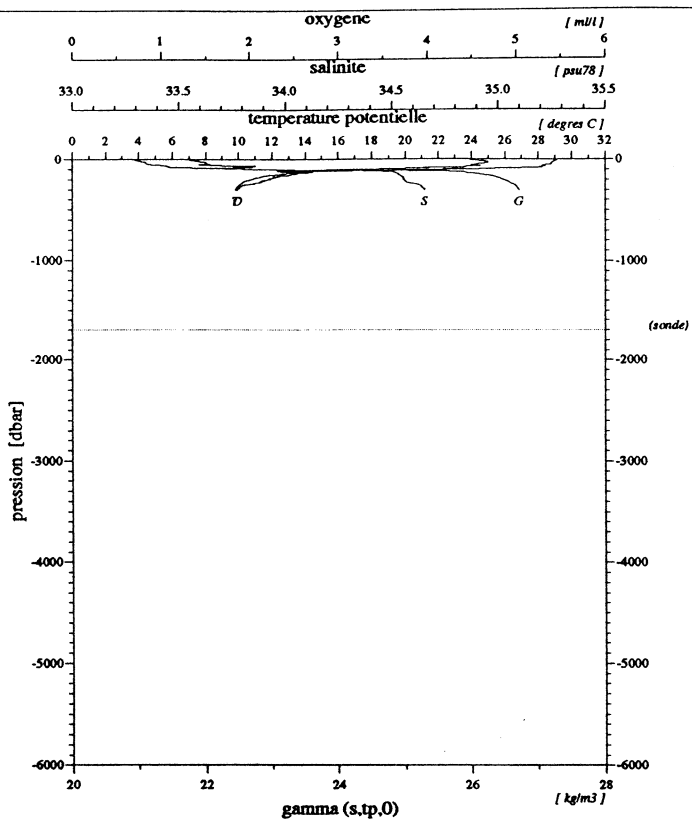


Diagramme salinite / oxygene

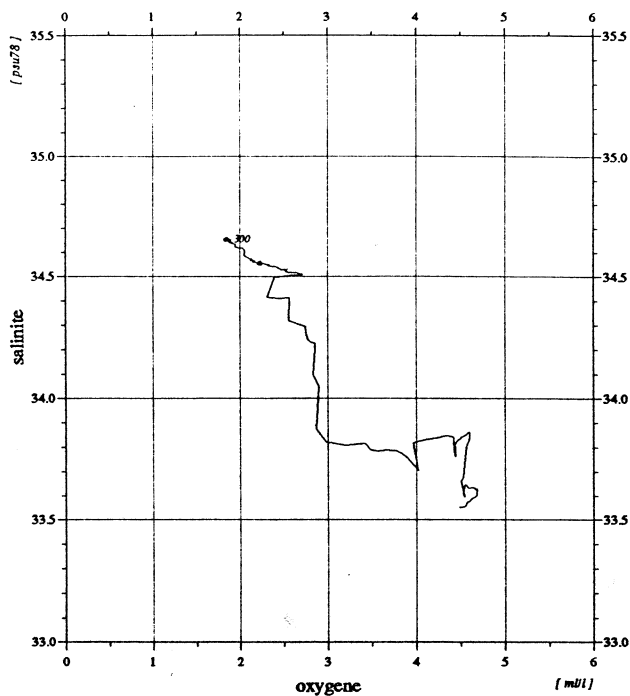


Diagramme temperature potentielle / salinite

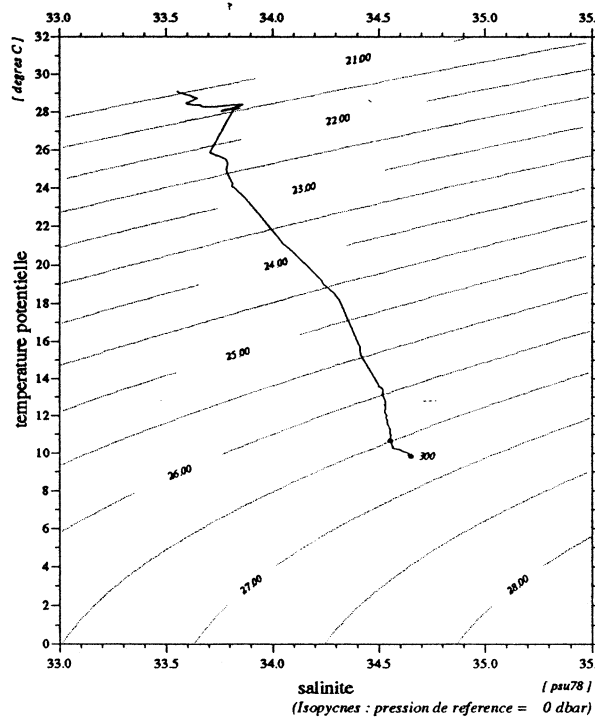
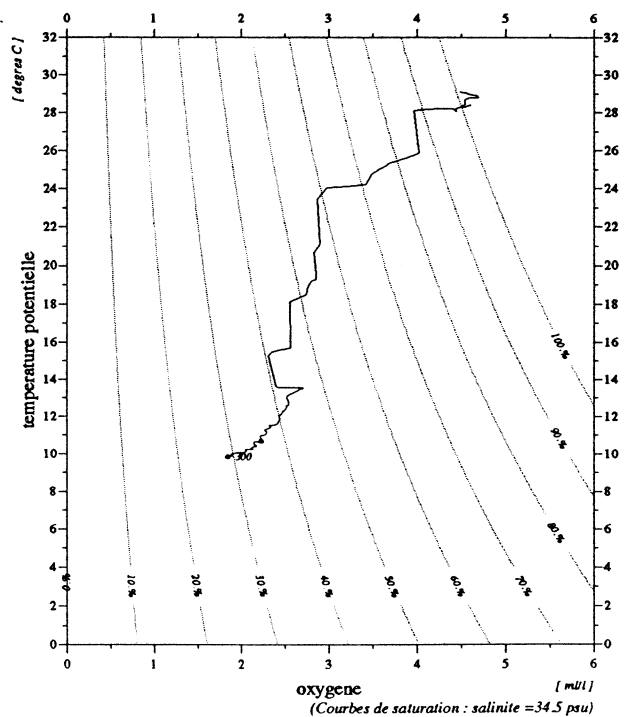


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	308.
temperature	29.078	9.857
theta	29.078	9.822
salinite	33.555	34.656
gamma (s,tp,0)	20.956	26.714
oxygene	4.49	1.87

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1681 m (1697 dbar)	
2-3-1992	9.2' 0 S
15.15 tu	115.15' 6 E

MD71/JADE2

Station 28.20

94/01/24  
13:42:15

STATION-2910

1

JADE 92

station : 29.10

donnees reduites a 10 dbar

le 5/ 3/1992 a 14.57 tu -8.5733 115.1224 sonde: 654 m ( 659.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.550	29.550	33.313	20.617	20.614	36.703	198.2	4.53	102.1	714.1	0.000	1542.9	0.00
10.	9.9	29.339	29.336	33.346	20.713	20.710	36.809	198.4	4.53	101.9	705.2	0.057	1542.7	5.28
20.	19.9	29.334	29.329	33.415	20.767	20.763	36.861	196.7	4.49	101.0	700.5	0.127	1542.9	3.77
30.	29.8	29.326	29.319	33.477	20.817	20.812	36.910	197.3	4.51	101.4	696.2	0.197	1543.1	3.62
40.	39.8	29.364	29.354	33.519	20.836	20.831	36.928	198.3	4.53	101.9	694.8	0.266	1543.4	3.45
50.	49.7	29.246	29.233	33.528	20.884	20.877	36.980	199.4	4.56	102.4	690.8	0.336	1543.3	1.64
60.	59.7	29.147	29.132	33.535	20.922	20.915	37.023	199.5	4.56	102.2	687.5	0.405	1543.3	6.16
70.	69.6	28.554	28.538	33.519	21.108	21.100	37.235	198.8	4.55	100.9	670.1	0.473	1542.2	9.17
80.	79.5	28.176	28.157	33.536	21.246	21.237	37.390	185.9	4.25	93.8	657.4	0.539	1541.5	8.35
90.	89.5	26.615	26.595	33.622	21.810	21.802	38.026	171.4	3.92	84.4	603.6	0.601	1538.3	6.64
100.	99.4	25.732	25.710	33.650	22.106	22.098	38.364	162.0	3.71	78.6	575.6	0.661	1536.4	14.91
110.	111.3	18.989	18.969	34.223	24.437	24.431	41.054	141.9	3.25	61.4	352.7	0.721	1519.6	35.33
120.	119.3	15.498	15.479	34.433	25.430	25.425	42.268	122.3	2.81	49.6	257.8	0.746	1509.6	21.43
130.	129.2	14.172	14.153	34.509	25.776	25.772	42.706	117.4	2.70	46.4	224.9	0.769	1505.6	3.71
140.	139.2	12.597	12.578	34.507	26.095	26.091	43.140	115.7	2.66	44.3	194.6	0.790	1500.6	5.84
150.	149.1	12.261	12.241	34.525	26.174	26.170	43.245	111.5	2.56	42.4	187.2	0.810	1499.6	5.94
160.	159.0	12.009	11.988	34.542	26.236	26.232	43.326	102.9	2.37	39.0	181.5	0.828	1498.9	3.71
170.	169.0	11.936	11.914	34.561	26.265	26.260	43.359	102.4	2.35	38.7	179.1	0.846	1498.9	2.14
180.	178.9	11.519	11.496	34.566	26.348	26.343	43.474	98.8	2.27	37.0	171.3	0.864	1497.6	6.95
190.	188.8	11.331	11.307	34.563	26.380	26.375	43.521	99.3	2.28	37.1	168.5	0.881	1497.1	2.23
200.	198.8	11.153	11.128	34.558	26.409	26.404	43.565	96.6	2.22	35.9	165.9	0.897	1496.7	4.63
220.	218.6	10.715	10.689	34.564	26.493	26.487	43.683	94.7	2.18	34.9	158.3	0.930	1495.5	3.96
240.	238.5	10.614	10.585	34.576	26.520	26.514	43.719	91.1	2.10	33.5	156.1	0.961	1495.5	0.00
260.	258.4	10.434	10.403	34.591	26.563	26.557	43.776	89.8	2.06	32.9	152.4	0.992	1495.2	2.31
280.	278.2	10.396	10.363	34.618	26.592	26.586	43.807	87.4	2.01	32.0	150.1	1.022	1495.4	2.70
300.	298.1	10.233	10.198	34.630	26.629	26.623	43.858	85.4	1.96	31.1	147.0	1.052	1495.2	3.33
320.	318.0	10.100	10.062	34.665	26.680	26.673	43.919	81.9	1.88	29.8	142.6	1.081	1495.1	1.86
340.	337.8	9.914	9.875	34.702	26.741	26.734	43.994	79.5	1.83	28.8	137.1	1.109	1494.8	2.14
360.	357.7	9.789	9.748	34.712	26.770	26.763	44.033	78.3	1.80	28.3	134.7	1.136	1494.7	1.52
380.	377.5	9.778	9.734	34.709	26.770	26.762	44.035	77.8	1.79	28.1	135.2	1.163	1494.9	0.00
400.	397.4	9.759	9.713	34.708	26.773	26.764	44.039	77.9	1.79	28.1	135.4	1.190	1495.2	0.87
420.	417.2	9.640	9.592	34.713	26.797	26.788	44.073	77.9	1.79	28.1	133.4	1.217	1495.1	2.05
440.	437.1	9.529	9.479	34.721	26.822	26.813	44.107	77.0	1.77	27.7	131.4	1.243	1495.0	1.52
460.	456.9	9.493	9.440	34.723	26.830	26.821	44.119	76.7	1.76	27.6	131.0	1.269	1495.2	0.00
480.	476.7	9.134	9.081	34.737	26.899	26.890	44.218	75.5	1.74	26.9	124.5	1.295	1494.3	1.07
500.	496.6	9.147	9.092	34.736	26.897	26.888	44.214	75.2	1.73	26.8	125.2	1.320	1494.7	0.00
550.	546.2	9.179	9.117	34.731	26.889	26.879	44.205	75.8	1.74	27.0	127.0	1.383	1495.6	2.62
600.	595.8	8.966	8.899	34.738	26.929	26.918	44.263	74.6	1.72	26.5	124.0	1.445	1495.6	2.23
fin	609.	604.7	8.764	8.697	34.732	26.957	44.308	75.5	1.74	26.7	121.3	1.456	1495.0	1.96

Vitesse verticale moyenne du son entre 2. et 609. dbar : 1504.3 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

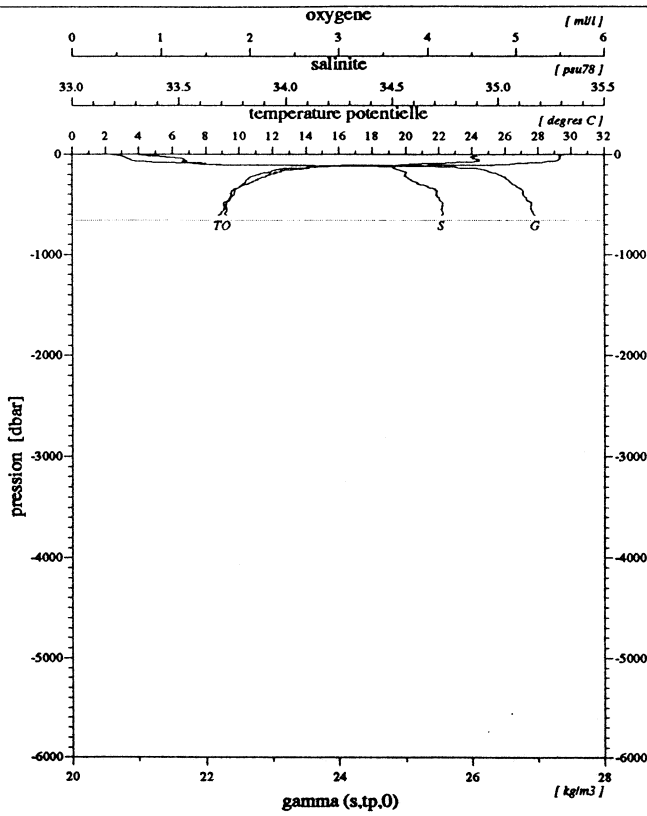


Diagramme salinite / oxygene

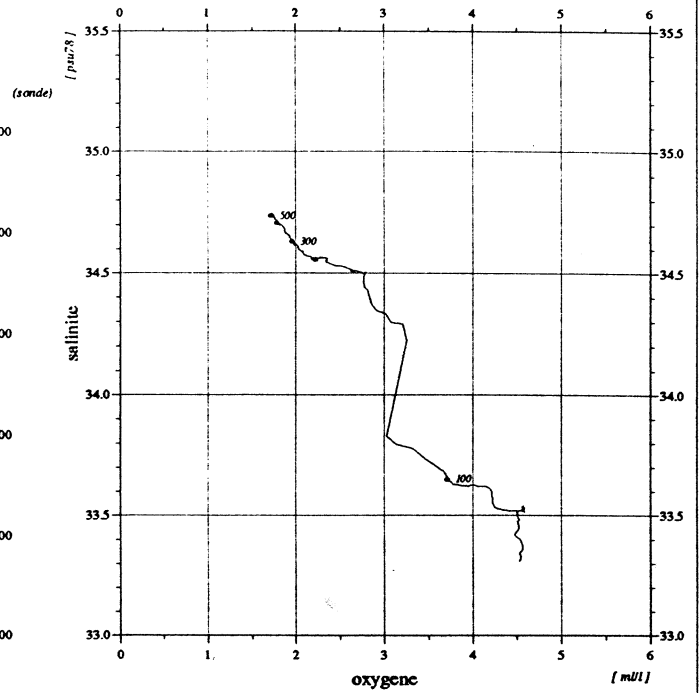


Diagramme temperature potentielle / salinite

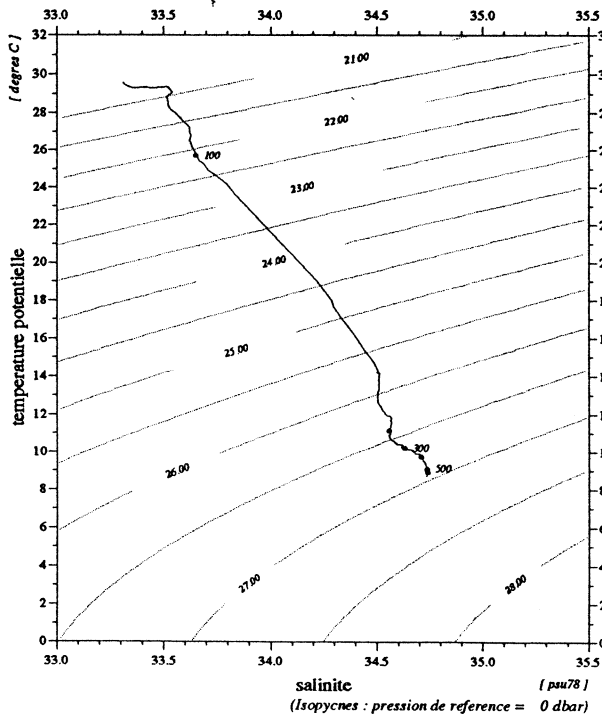
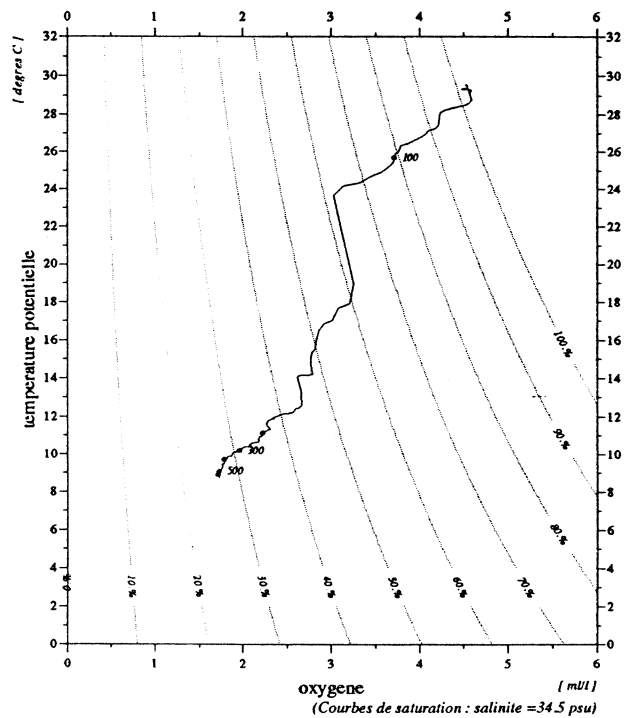


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	609.
temperature	29.550	8.764
theta	29.549	8.697
salinite	33.313	34.732
gamma (s, tp, 0)	20.617	26.957
oxygene	4.53	1.74

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 654 m ( 659 dbar)

5- 3-1992 8.57' 3 S  
14.57 tu 115.12' 2 E

MD71/JADE2

Station 29.10

94/01/24  
13:42:56

# STATION-3010

1

JADE 92

station : 30.10

donnees reduites a 10 dbar

le 11/ 3/1992 a 6.59 tu -11.0406 122.5119 sonde: 244 m ( 246.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.352	30.352	34.804	21.461	21.459	37.483	197.3	4.51	103.9	633.1	0.000	1546.2	0.00
10.	9.9	30.043	30.040	34.796	21.562	21.558	37.597	201.6	4.61	105.6	623.9	0.050	1545.7	8.86
20.	19.9	29.883	29.879	34.790	21.612	21.608	37.655	201.6	4.61	105.3	619.5	0.113	1545.5	2.28
30.	29.8	29.598	29.591	34.769	21.694	21.689	37.749	195.0	4.46	101.4	612.1	0.174	1545.0	6.72
40.	39.8	28.944	28.935	34.716	21.875	21.870	37.960	199.1	4.55	102.4	595.3	0.235	1543.8	9.26
50.	49.7	26.511	26.500	34.625	22.596	22.590	38.794	163.6	3.74	80.9	526.7	0.291	1538.4	9.65
60.	59.7	24.849	24.836	34.548	23.051	23.045	39.333	160.1	3.67	77.0	483.5	0.342	1534.6	11.05
70.	69.6	23.903	23.888	34.518	23.312	23.305	39.643	157.2	3.60	74.4	459.0	0.389	1532.4	5.81
80.	79.5	23.376	23.360	34.508	23.458	23.452	39.817	154.2	3.53	72.3	445.3	0.435	1531.2	6.29
90.	89.5	22.951	22.933	34.500	23.575	23.568	39.957	149.7	3.43	69.7	434.5	0.479	1530.3	9.99
100.	99.4	21.575	21.555	34.485	23.952	23.945	40.410	139.0	3.19	63.2	398.9	0.521	1526.8	15.15
110.	109.3	20.385	20.365	34.490	24.277	24.271	40.804	134.2	3.08	59.7	368.0	0.559	1523.8	14.17
120.	119.3	19.822	19.800	34.482	24.421	24.414	40.981	130.7	3.00	57.6	354.7	0.595	1522.4	6.70
130.	129.2	19.089	19.066	34.488	24.615	24.607	41.219	128.4	2.95	55.8	336.5	0.629	1520.5	5.22
140.	139.2	18.605	18.581	34.494	24.742	24.734	41.376	126.1	2.89	54.3	324.6	0.663	1519.3	7.41
150.	149.1	17.965	17.939	34.497	24.903	24.895	41.577	122.4	2.81	52.1	309.5	0.694	1517.6	2.32
160.	159.0	17.328	17.302	34.502	25.061	25.054	41.776	121.2	2.78	51.0	294.6	0.725	1515.9	4.88
170.	169.0	16.968	16.940	34.507	25.151	25.144	41.890	119.1	2.73	49.7	286.3	0.754	1515.0	4.24
180.	178.9	16.467	16.438	34.513	25.273	25.266	42.045	116.6	2.68	48.2	274.9	0.781	1513.6	2.05
190.	188.8	15.994	15.964	34.516	25.384	25.377	42.188	115.3	2.65	47.3	264.5	0.808	1512.4	6.37
200.	198.8	15.228	15.197	34.471	25.522	25.514	42.379	111.3	2.56	44.9	251.6	0.834	1510.1	11.48
220.	218.6	13.009	12.978	34.525	26.030	26.023	43.045	108.3	2.49	41.8	203.1	0.878	1503.3	6.89
fin	221.	219.6	12.964	12.934	34.526	26.040	43.058	108.6	2.50	41.9	202.2	0.880	1503.2	5.47

Vitesse verticale moyenne du son entre 2. et 221. dbar : 1525.9 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

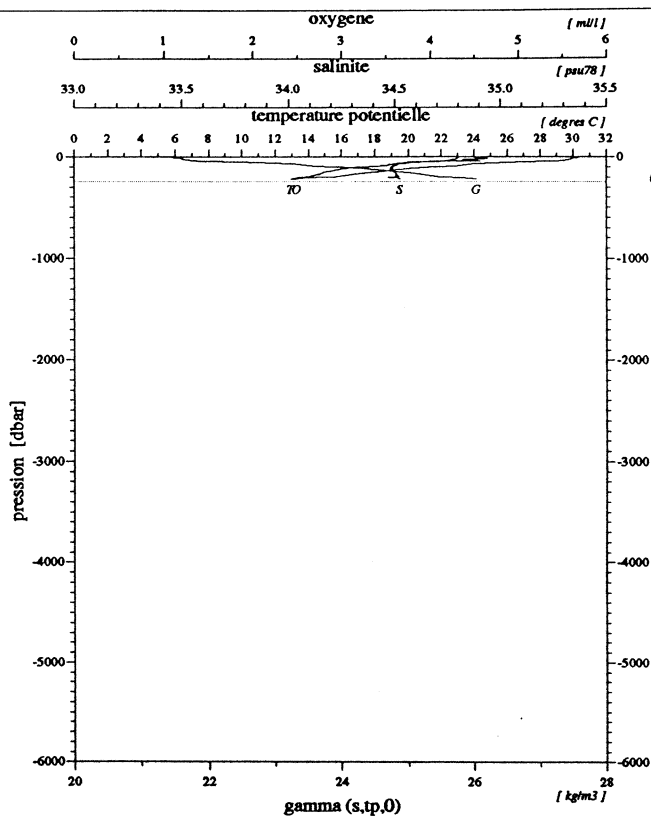


Diagramme salinite / oxygene

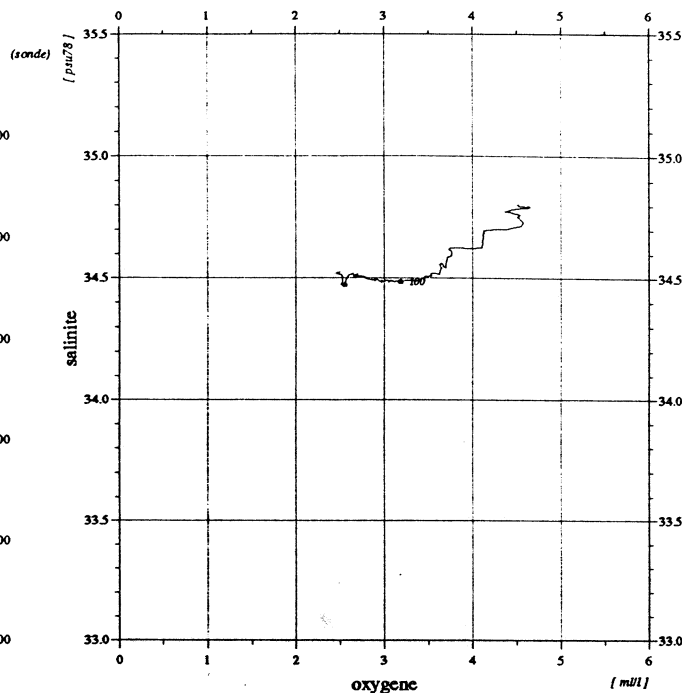


Diagramme temperature potentielle / salinite

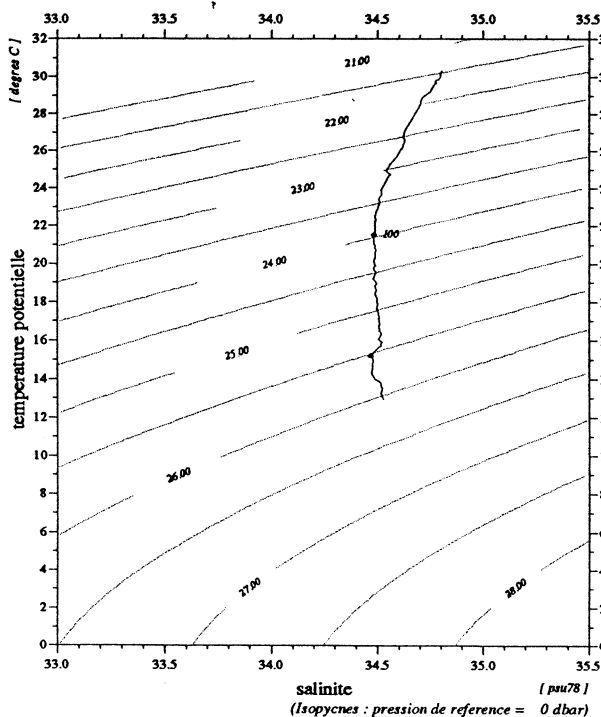
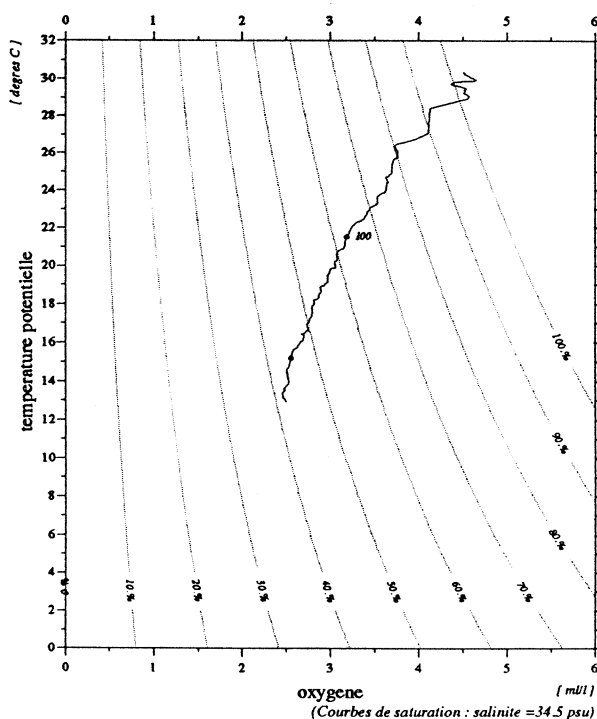


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	221
temperature	30.352	12.964
theta	30.352	12.934
salinite	34.804	34.526
gamma (s, tp, 0)	21.461	26.040
oxygene	4.51	2.50

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 244 m ( 246 dbar)	
11- 3-1992	11. 4' 0 S
6.59 tu	122.51' 1 E

MD71/JADE2

Station 30.10

94/01/24  
13:42:58

STATION-3110

1

JADE 92

station : 31.10

donnees reduites a 10 dbar

le 11/ 3/1992 a 8.10 tu -11.0484 122.5275 sonde: 540 m ( 544.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.032	30.032	34.743	21.525	21.522	37.562	183.8	4.20	96.3	627.0	0.000	1545.4	0.00
10.	9.9	29.887	29.885	34.772	21.597	21.593	37.639	184.0	4.21	96.2	620.5	0.050	1545.3	8.26
20.	19.9	29.714	29.709	34.785	21.666	21.662	37.716	191.1	4.37	99.6	614.3	0.112	1545.1	3.19
30.	29.8	29.664	29.656	34.781	21.682	21.677	37.733	198.2	4.53	103.2	613.4	0.173	1545.2	4.49
40.	39.8	29.218	29.208	34.757	21.814	21.809	37.886	194.1	4.44	100.4	601.1	0.234	1544.4	10.58
50.	49.7	26.758	26.747	34.623	22.517	22.511	38.703	171.9	3.93	85.3	534.2	0.292	1539.0	20.14
60.	59.7	26.163	26.149	34.611	22.695	22.689	38.911	165.3	3.79	81.3	517.6	0.344	1537.8	5.09
70.	69.6	24.215	24.200	34.524	23.224	23.218	39.539	152.9	3.50	72.7	467.4	0.394	1533.2	9.68
80.	79.5	23.279	23.263	34.500	23.480	23.474	39.844	146.0	3.35	68.4	443.2	0.439	1531.0	10.15
90.	89.5	21.994	21.976	34.486	23.835	23.829	40.270	141.1	3.23	64.6	409.6	0.482	1527.8	8.60
100.	99.4	21.042	21.023	34.478	24.092	24.085	40.580	134.9	3.09	60.7	385.5	0.522	1525.4	14.71
110.	109.3	20.264	20.243	34.478	24.301	24.294	40.835	131.7	3.02	58.4	365.8	0.560	1523.5	9.71
120.	119.3	19.187	19.166	34.484	24.586	24.579	41.184	125.8	2.89	54.8	338.8	0.595	1520.6	8.17
130.	129.2	18.757	18.734	34.492	24.701	24.694	41.326	124.6	2.86	53.8	328.1	0.628	1519.6	6.22
140.	139.2	18.402	18.377	34.498	24.795	24.788	41.442	123.4	2.83	52.9	319.5	0.660	1518.7	2.70
150.	149.1	17.813	17.788	34.497	24.940	24.932	41.624	119.4	2.74	50.7	306.0	0.692	1517.2	7.22
160.	159.0	17.210	17.184	34.504	25.090	25.083	41.813	119.0	2.73	49.9	291.8	0.722	1515.5	3.28
170.	169.0	16.847	16.819	34.507	25.179	25.172	41.926	118.1	2.71	49.2	283.6	0.750	1514.6	7.43
180.	178.9	16.564	16.535	34.508	25.247	25.239	42.012	118.0	2.71	48.9	277.5	0.779	1513.9	6.89
190.	188.8	16.083	16.053	34.514	25.362	25.355	42.160	112.8	2.59	46.3	266.7	0.806	1512.6	7.83
200.	198.8	14.990	14.960	34.518	25.610	25.602	42.482	108.0	2.48	43.4	243.1	0.831	1509.4	7.14
220.	218.6	13.746	13.715	34.522	25.878	25.870	42.838	105.9	2.43	41.5	217.9	0.878	1505.7	2.97
240.	238.5	12.521	12.489	34.531	26.131	26.124	43.182	102.0	2.34	39.0	193.9	0.918	1502.0	5.18
260.	258.4	11.313	11.280	34.534	26.362	26.356	43.507	99.2	2.28	37.0	171.9	0.955	1498.2	5.97
280.	278.2	10.816	10.782	34.540	26.457	26.450	43.641	96.7	2.22	35.7	163.2	0.988	1496.8	1.96
300.	298.1	10.712	10.676	34.541	26.477	26.470	43.669	95.4	2.19	35.1	161.7	1.021	1496.8	1.96
320.	317.9	10.146	10.109	34.542	26.576	26.569	43.814	94.7	2.18	34.5	152.4	1.053	1495.1	4.87
340.	337.8	9.567	9.529	34.548	26.678	26.672	43.964	93.3	2.14	33.5	142.8	1.082	1493.3	2.40
360.	357.6	9.282	9.242	34.547	26.725	26.718	44.035	92.5	2.13	33.0	138.6	1.110	1492.6	3.86
380.	377.5	9.090	9.048	34.548	26.757	26.750	44.083	92.6	2.13	32.9	135.8	1.137	1492.2	3.61
400.	397.3	8.925	8.881	34.553	26.787	26.780	44.127	92.1	2.12	32.6	133.2	1.164	1492.0	1.75
420.	417.2	8.722	8.677	34.554	26.820	26.813	44.178	92.2	2.12	32.5	130.3	1.190	1491.5	4.42
440.	437.0	8.544	8.497	34.559	26.852	26.845	44.225	91.4	2.10	32.1	127.5	1.216	1491.2	1.38
460.	456.9	8.436	8.388	34.560	26.870	26.862	44.253	91.6	2.11	32.1	126.2	1.242	1491.1	2.05
480.	476.7	8.162	8.112	34.561	26.912	26.905	44.319	90.2	2.07	31.4	122.3	1.267	1490.4	4.01
500.	496.6	7.824	7.773	34.568	26.968	26.960	44.404	91.3	2.10	31.6	117.0	1.290	1489.5	1.52
fin	520.	516.4	7.640	7.588	34.568	26.996	44.448	91.4	2.10	31.5	114.5	1.313	1489.1	4.46

Vitesse verticale moyenne du son entre 2. et 520. dbar : 1507.4 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

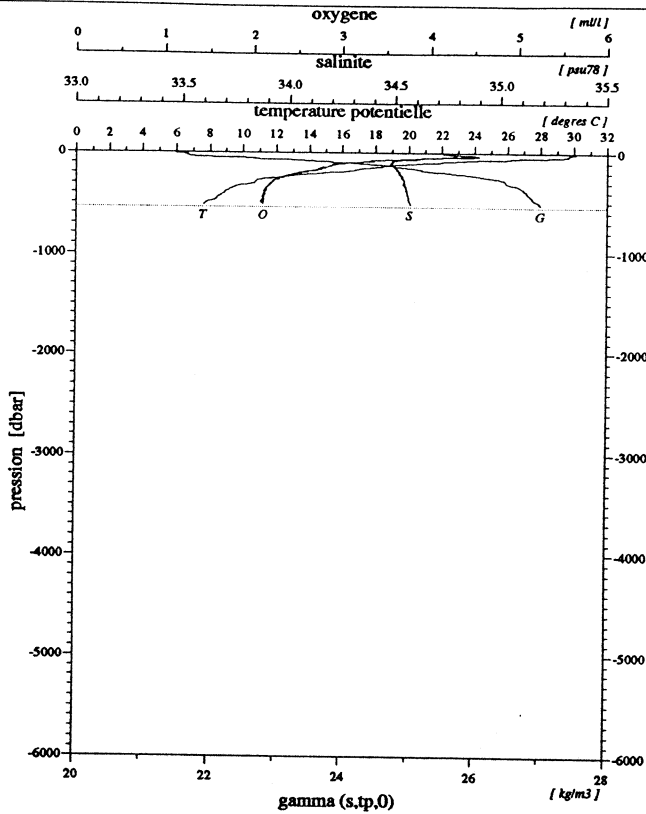


Diagramme salinite / oxygene

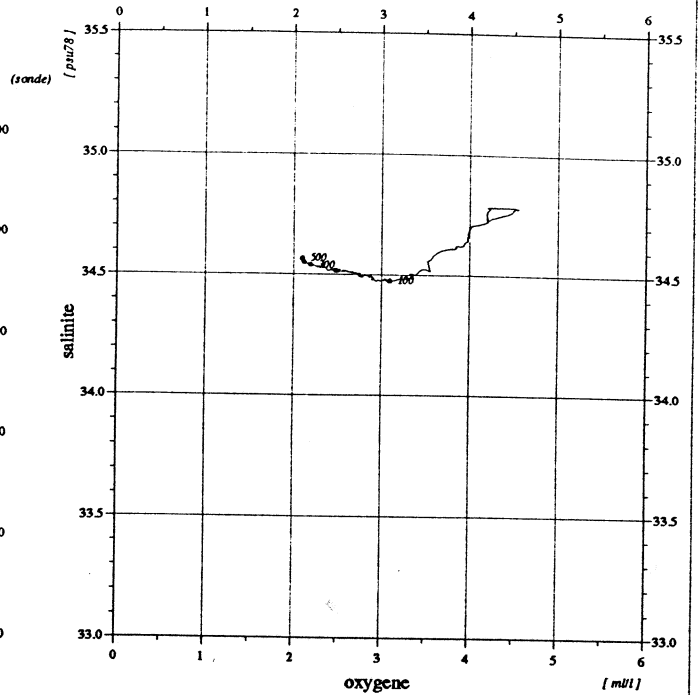


Diagramme temperature potentielle / salinite

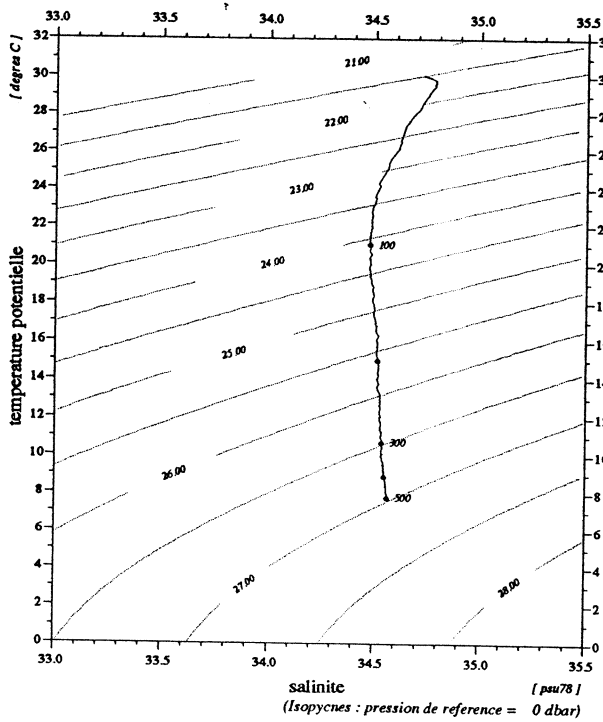
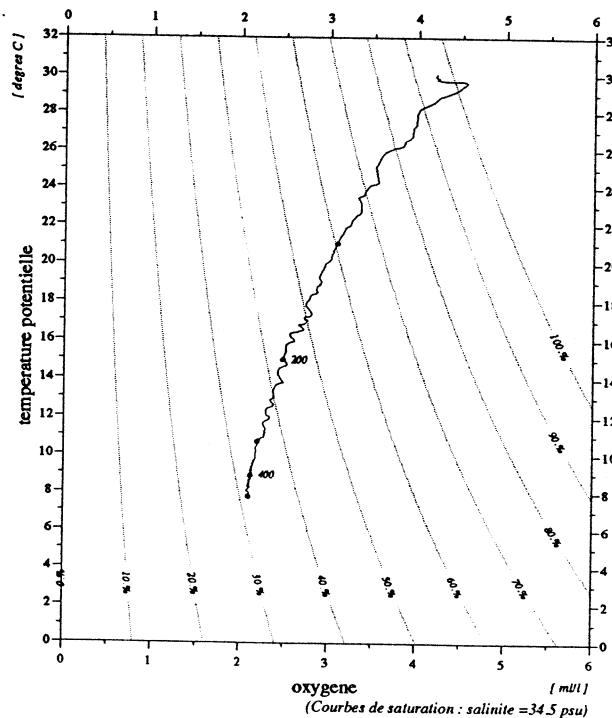


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	520.
temperature	30.032	7.640
theta	30.032	7.588
salinite	34.743	34.568
gamma (s,tp,0)	21.525	26.996
oxygene	4.20	2.10

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde	540 m ( 544 dbar )
11- 3-1992	11. 4' 8 S
8.10 tu	122.52' 7 E

MD71/JADE2

Station 31.10

94/01/24  
13:43:04

STATION-3210

1

JADE 92

station : 32.10

donnees reduites a 10 dbar

le 11/ 3/1992 a 9.59 tu -11.0996 122.5499 sonde: 1219 m (1230.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.026	30.026	34.748	21.531	21.528	37.568	188.4	4.31	98.7	626.4	0.000	1545.4	0.00
10.	9.9	29.960	29.957	34.778	21.577	21.573	37.616	189.8	4.34	99.3	622.4	0.050	1545.5	9.41
20.	19.9	29.900	29.895	34.801	21.615	21.611	37.657	189.9	4.34	99.2	619.2	0.112	1545.5	1.86
30.	29.8	29.878	29.871	34.801	21.623	21.618	37.666	192.4	4.40	100.6	619.0	0.174	1545.7	1.75
40.	39.8	29.808	29.798	34.805	21.651	21.645	37.696	192.8	4.41	100.6	616.8	0.236	1545.7	3.54
50.	49.7	29.556	29.544	34.792	21.728	21.721	37.784	192.5	4.41	100.1	609.9	0.297	1545.3	7.27
60.	59.6	28.075	28.061	34.682	22.138	22.131	38.262	182.7	4.18	92.7	571.1	0.356	1542.2	13.63
70.	69.6	25.625	25.609	34.498	22.777	22.771	39.022	156.5	3.58	76.2	510.1	0.411	1536.5	12.84
80.	79.5	23.207	23.190	34.470	23.479	23.472	39.848	117.9	2.70	55.1	443.3	0.459	1530.7	16.13
90.	89.5	21.702	21.684	34.502	23.929	23.923	40.380	126.7	2.91	57.7	400.6	0.501	1527.0	9.52
100.	99.4	21.303	21.284	34.521	24.053	24.046	40.526	123.6	2.83	55.9	389.2	0.540	1526.2	4.99
110.	109.3	20.413	20.392	34.513	24.288	24.281	40.812	120.6	2.77	53.7	367.1	0.578	1523.9	8.91
120.	119.3	19.750	19.728	34.514	24.464	24.457	41.027	118.4	2.72	52.1	350.6	0.614	1522.2	8.60
130.	129.2	18.825	18.802	34.508	24.697	24.690	41.317	114.8	2.63	49.6	328.6	0.648	1519.8	8.35
140.	139.2	17.661	17.638	34.506	24.983	24.976	41.677	111.7	2.56	47.3	301.4	0.680	1516.6	8.53
150.	149.1	17.157	17.132	34.519	25.115	25.108	41.840	111.4	2.56	46.7	289.2	0.709	1515.2	6.64
160.	159.0	16.285	16.260	34.514	25.315	25.309	42.099	107.9	2.48	44.5	270.2	0.737	1512.8	9.91
170.	169.0	15.744	15.718	34.522	25.444	25.438	42.264	106.4	2.44	43.4	258.1	0.763	1511.3	5.10
180.	178.9	14.790	14.763	34.524	25.658	25.651	42.544	105.8	2.43	42.3	237.9	0.788	1508.4	7.19
190.	188.8	13.884	13.857	34.529	25.854	25.847	42.804	103.1	2.37	40.5	219.3	0.811	1505.7	4.59
200.	198.8	13.423	13.395	34.529	25.949	25.943	42.933	102.2	2.35	39.8	210.4	0.832	1504.3	6.64
220.	218.6	12.551	12.522	34.526	26.121	26.114	43.170	105.5	2.42	40.4	194.3	0.873	1501.8	4.91
240.	238.5	11.785	11.754	34.533	26.273	26.267	43.381	100.7	2.31	37.9	180.0	0.910	1499.5	2.63
260.	258.4	11.618	11.585	34.536	26.307	26.300	43.428	97.4	2.24	36.6	177.3	0.946	1499.2	3.27
280.	278.2	10.990	10.956	34.537	26.423	26.417	43.594	95.8	2.20	35.5	166.4	0.980	1497.4	4.15
300.	298.1	10.619	10.583	34.540	26.492	26.486	43.692	94.0	2.16	34.5	160.1	1.012	1496.4	1.75
320.	317.9	10.148	10.111	34.542	26.576	26.569	43.814	93.1	2.14	33.9	152.4	1.044	1495.1	3.50
340.	337.8	9.790	9.751	34.542	26.637	26.630	43.905	92.7	2.13	33.5	146.8	1.074	1494.1	3.86
360.	357.6	9.632	9.591	34.545	26.666	26.659	43.947	91.9	2.11	33.1	144.4	1.103	1493.9	2.14
380.	377.5	9.346	9.303	34.548	26.715	26.708	44.020	91.4	2.10	32.7	139.9	1.131	1493.2	2.40
400.	397.3	9.019	8.975	34.550	26.770	26.763	44.103	91.1	2.09	32.3	134.9	1.159	1492.3	2.23
420.	417.2	8.840	8.795	34.549	26.798	26.790	44.146	90.6	2.08	32.0	132.6	1.186	1492.0	4.20
440.	437.0	8.622	8.575	34.553	26.836	26.828	44.202	90.6	2.08	31.9	129.2	1.212	1491.5	2.62
460.	456.9	8.480	8.431	34.556	26.860	26.852	44.239	90.8	2.09	31.9	127.1	1.238	1491.3	0.62
480.	476.7	8.193	8.143	34.556	26.904	26.896	44.308	90.9	2.09	31.7	123.0	1.263	1490.5	3.21
500.	496.6	8.005	7.953	34.558	26.934	26.926	44.354	90.5	2.08	31.4	120.4	1.287	1490.2	2.83
550.	546.1	7.437	7.382	34.566	27.023	27.016	44.494	90.7	2.09	31.1	112.2	1.345	1488.8	0.00
600.	595.7	6.945	6.888	34.575	27.100	27.092	44.615	90.5	2.08	30.7	105.2	1.399	1487.8	3.86
650.	645.3	6.705	6.644	34.581	27.137	27.129	44.675	90.2	2.07	30.4	102.1	1.451	1487.7	1.86
700.	694.8	6.388	6.324	34.583	27.181	27.173	44.748	91.0	2.09	30.5	98.3	1.501	1487.3	1.96
750.	744.4	5.934	5.868	34.581	27.239	27.230	44.848	92.6	2.13	30.7	92.8	1.549	1486.3	2.23
800.	793.9	5.783	5.713	34.583	27.260	27.251	44.883	92.9	2.14	30.6	91.3	1.595	1486.5	1.07
850.	843.4	5.390	5.318	34.586	27.310	27.301	44.971	94.7	2.18	31.0	86.5	1.639	1485.8	2.47
900.	892.9	5.111	5.035	34.591	27.347	27.338	45.035	96.2	2.21	31.2	83.0	1.682	1485.5	0.00
950.	942.4	5.023	4.944	34.593	27.359	27.350	45.056	96.6	2.22	31.3	82.3	1.723	1485.9	0.87
1000.	991.9	4.779	4.697	34.598	27.391	27.382	45.112	98.3	2.26	31.7	79.3	1.763	1485.8	0.62
1100.	1090.9	4.426	4.338	34.607	27.438	27.428	45.193	100.9	2.32	32.2	75.2	1.840	1486.0	0.00
1200.	1189.7	4.130	4.036	34.617	27.478	27.468	45.263	103.8	2.39	32.9	71.6	1.913	1486.4	1.64
fin	1210.	1199.6	4.143	4.048	34.616	27.476	45.260	103.9	2.39	32.9	71.9	1.920	1486.7	0.00

Vitesse verticale moyenne du son entre 2. et 1210. dbar : 1495.4 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

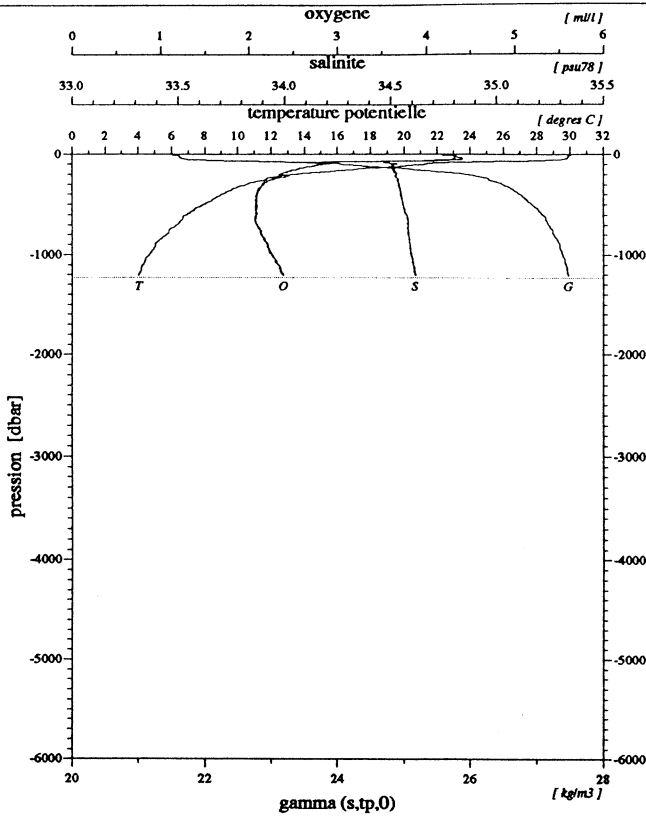


Diagramme salinite / oxygene

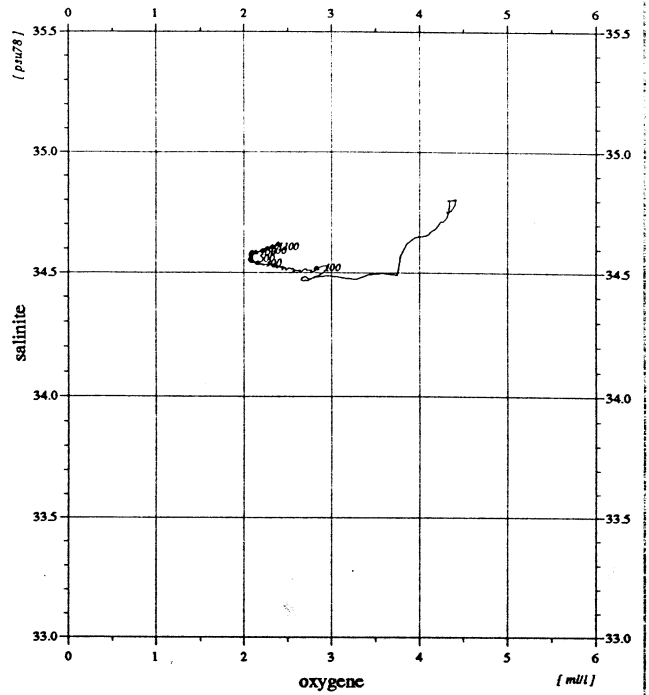


Diagramme temperature potentielle / salinite

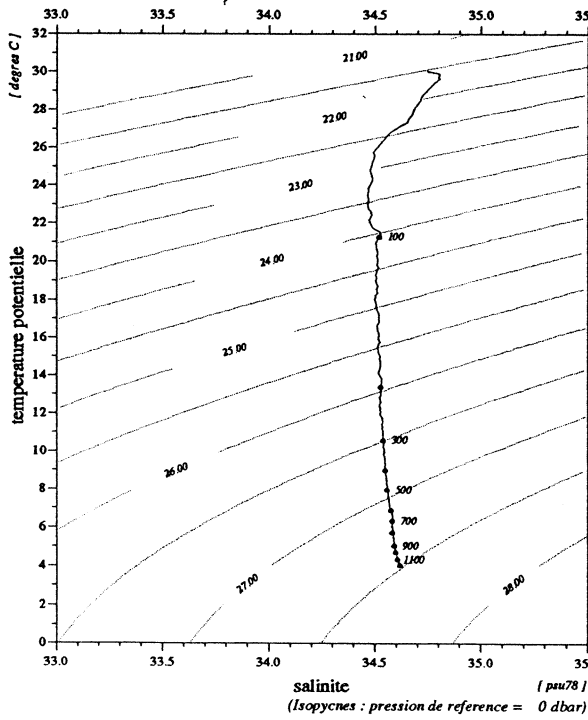
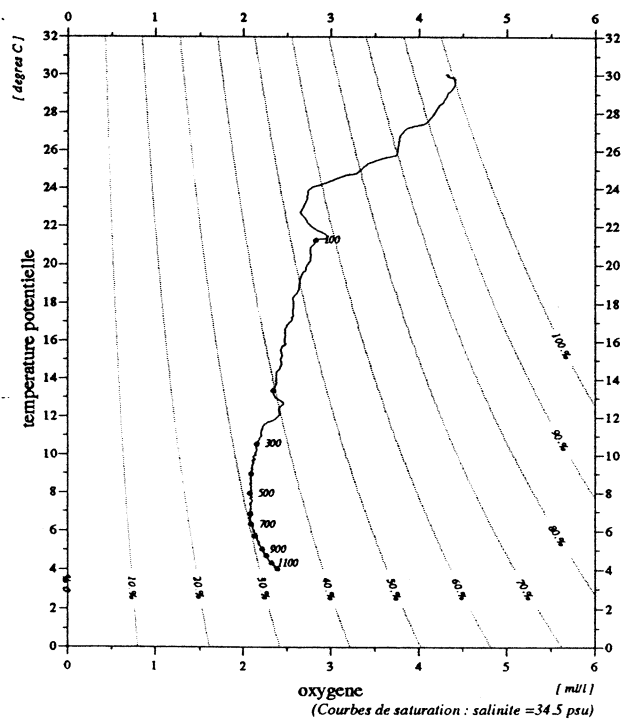


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1210.
temperature	30.026	4.143
theta	30.026	4.048
salinite	34.748	34.616
gamma (s,tp,0)	21.531	27.476
oxygene	4.31	2.39

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1219 m (1230 dbar)	
11-3-1992	11.9' 9 S
9.59 tu	122.54' 9 E

MD71/JADE2

Station 32.10

94/01/24  
13:43:09

STATION-3220

1

JADE 92

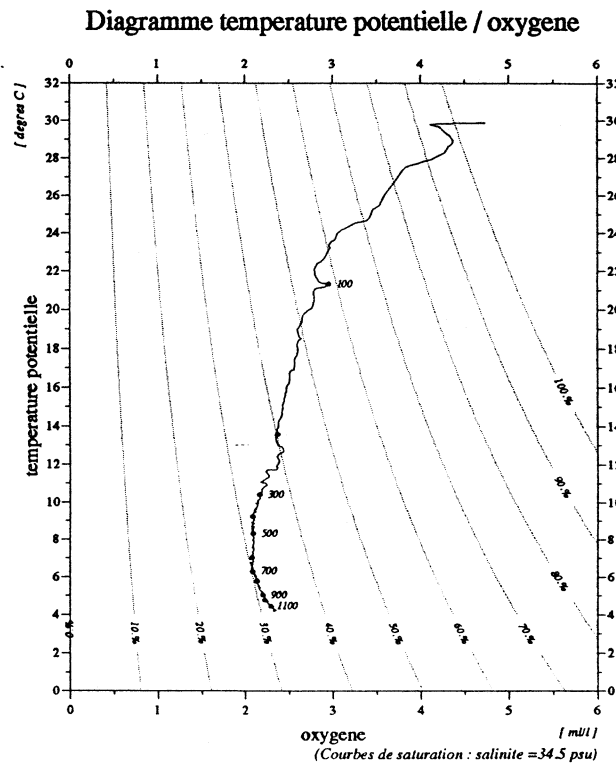
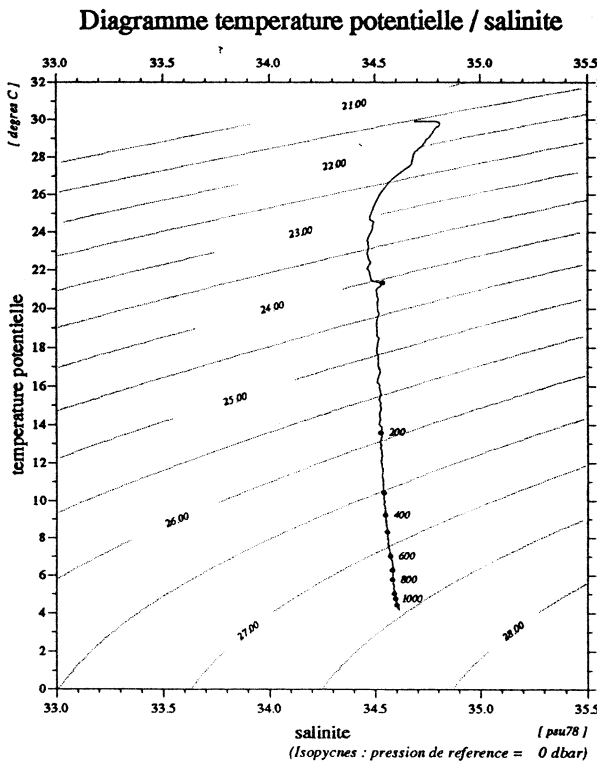
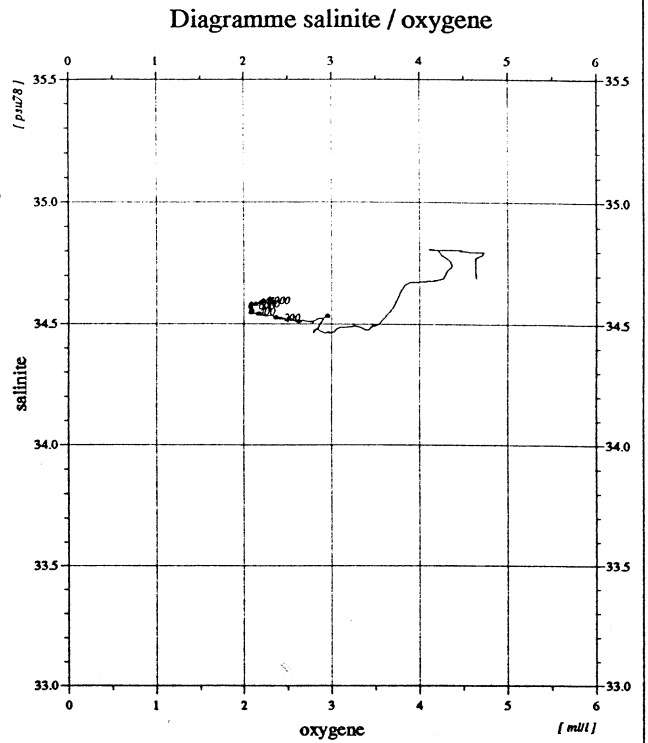
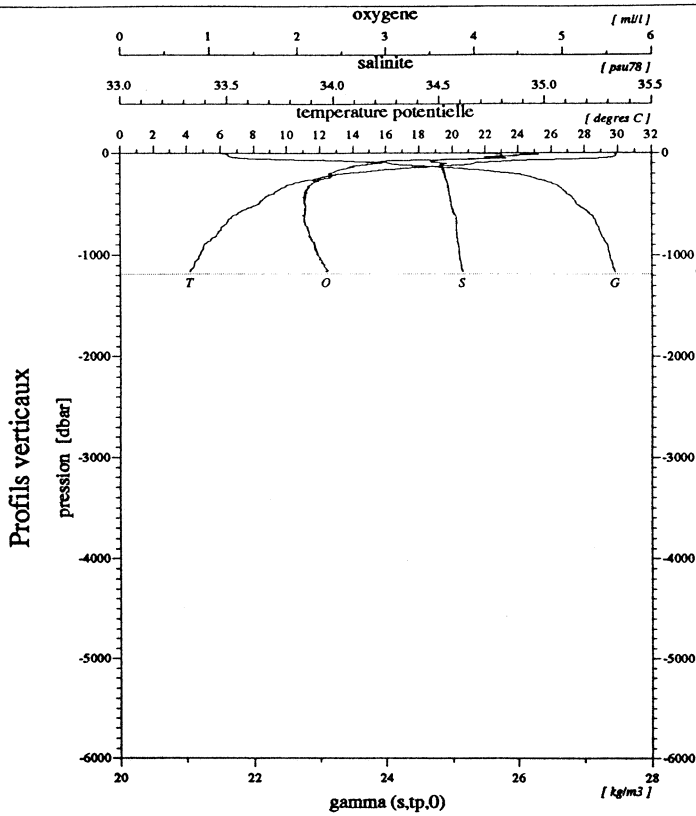
station : 32.20

donnees reduites a 10 dbar

le 11/ 3/1992 a 11.57 tu -11.0982 122.5470 sonde: 1174 m (1184.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.892	29.892	34.693	21.535	21.533	37.579	203.2	4.65	106.1	626.0	0.000	1545.1	0.00
10.	9.9	29.900	29.897	34.789	21.605	21.602	37.647	206.6	4.73	108.0	619.7	0.050	1545.4	1.64
20.	19.9	29.889	29.884	34.801	21.619	21.615	37.661	196.7	4.50	102.8	618.9	0.112	1545.5	1.64
30.	29.8	29.859	29.852	34.805	21.633	21.628	37.676	189.8	4.34	99.2	618.0	0.174	1545.6	4.16
40.	39.8	29.674	29.664	34.805	21.696	21.691	37.748	184.5	4.22	96.1	612.4	0.235	1545.4	4.86
50.	49.7	28.942	28.930	34.742	21.896	21.889	37.980	191.1	4.37	98.3	593.8	0.296	1544.0	8.39
60.	59.6	27.347	27.333	34.638	22.340	22.334	38.499	165.5	3.79	83.0	551.6	0.353	1540.5	11.92
70.	69.6	24.602	24.587	34.491	23.083	23.077	39.379	144.4	3.31	69.1	480.8	0.404	1534.1	5.80
80.	79.5	23.276	23.260	34.469	23.457	23.451	39.823	129.6	2.97	60.7	445.4	0.450	1530.9	9.86
90.	89.5	22.115	22.097	34.464	23.785	23.779	40.214	121.7	2.79	55.8	414.4	0.493	1528.1	11.29
100.	99.4	21.343	21.324	34.537	24.054	24.048	40.525	128.9	2.95	58.3	389.0	0.533	1526.3	3.16
110.	109.3	21.118	21.097	34.518	24.102	24.095	40.586	122.8	2.82	55.4	384.9	0.572	1525.8	3.61
120.	119.3	20.011	19.989	34.511	24.393	24.386	40.942	118.8	2.72	52.5	357.3	0.609	1523.0	7.88
130.	129.2	19.057	19.034	34.511	24.640	24.633	41.246	113.2	2.60	49.2	334.0	0.643	1520.4	6.32
140.	139.2	18.483	18.459	34.517	24.790	24.782	41.431	113.9	2.61	49.0	320.0	0.676	1519.0	5.84
150.	149.1	17.028	17.003	34.516	25.143	25.136	41.877	111.4	2.56	46.6	286.4	0.706	1514.8	9.10
160.	159.0	16.230	16.205	34.510	25.325	25.318	42.112	108.9	2.50	44.9	269.3	0.734	1512.6	12.93
170.	169.0	15.741	15.715	34.524	25.447	25.440	42.267	106.9	2.45	43.6	257.9	0.761	1511.3	4.67
180.	178.9	15.097	15.070	34.526	25.592	25.585	42.456	105.4	2.42	42.4	244.2	0.785	1509.4	4.42
190.	188.8	14.434	14.406	34.523	25.733	25.727	42.644	104.4	2.40	41.5	230.9	0.809	1507.5	9.75
200.	198.8	13.621	13.593	34.527	25.907	25.901	42.877	103.0	2.37	40.3	214.4	0.832	1505.0	7.30
220.	218.6	12.677	12.648	34.529	26.099	26.092	43.138	105.5	2.42	40.5	196.5	0.872	1502.2	5.39
240.	238.5	12.110	12.078	34.528	26.208	26.202	43.291	103.3	2.37	39.2	186.3	0.911	1500.6	4.10
260.	258.4	11.654	11.621	34.535	26.300	26.293	43.418	97.3	2.24	36.6	178.0	0.947	1499.4	5.70
280.	278.2	10.931	10.897	34.537	26.434	26.428	43.609	97.5	2.24	36.1	165.3	0.981	1497.2	3.50
300.	298.1	10.461	10.426	34.542	26.521	26.515	43.734	94.1	2.16	34.5	157.3	1.013	1495.9	1.75
320.	317.9	9.996	9.958	34.544	26.603	26.597	43.854	93.1	2.14	33.8	149.7	1.044	1494.5	2.84
340.	337.8	9.759	9.720	34.545	26.644	26.637	43.915	92.3	2.12	33.3	146.1	1.074	1494.0	3.15
360.	357.6	9.607	9.566	34.546	26.671	26.663	43.954	91.6	2.11	32.9	144.0	1.103	1493.8	3.27
380.	377.5	9.352	9.310	34.548	26.714	26.707	44.019	91.1	2.10	32.6	140.1	1.131	1493.2	2.90
400.	397.3	9.294	9.250	34.549	26.725	26.718	44.035	90.7	2.09	32.4	139.4	1.159	1493.3	1.07
420.	417.2	8.909	8.863	34.552	26.790	26.782	44.132	91.1	2.10	32.3	133.4	1.186	1492.2	1.07
440.	437.0	8.756	8.708	34.554	26.815	26.808	44.171	90.6	2.08	32.0	131.2	1.213	1492.0	0.00
460.	456.9	8.577	8.528	34.555	26.844	26.836	44.215	90.0	2.07	31.6	128.7	1.239	1491.7	2.40
480.	476.7	8.449	8.398	34.556	26.865	26.857	44.247	90.4	2.08	31.7	127.0	1.264	1491.5	1.96
500.	496.6	8.388	8.335	34.558	26.876	26.868	44.263	90.9	2.09	31.8	126.3	1.289	1491.6	1.07
550.	546.1	7.602	7.547	34.565	26.999	26.991	44.456	90.7	2.09	31.2	114.7	1.350	1489.5	1.96
600.	595.7	7.092	7.034	34.573	27.078	27.070	44.580	90.3	2.08	30.7	107.5	1.405	1488.3	1.07
650.	645.3	6.546	6.486	34.583	27.160	27.152	44.712	90.4	2.08	30.4	99.8	1.456	1487.1	1.38
700.	694.8	6.382	6.317	34.583	27.182	27.173	44.749	90.7	2.09	30.3	98.2	1.506	1487.2	2.83
750.	744.4	6.097	6.030	34.583	27.220	27.211	44.814	92.2	2.12	30.6	94.9	1.554	1486.9	0.62
800.	793.9	5.868	5.797	34.583	27.249	27.240	44.865	92.7	2.13	30.6	92.4	1.601	1486.9	1.38
850.	843.4	5.532	5.459	34.588	27.294	27.285	44.942	94.0	2.16	30.8	88.2	1.646	1486.3	0.00
900.	892.9	5.121	5.046	34.591	27.346	27.337	45.033	95.6	2.20	31.0	83.1	1.689	1485.5	1.38
950.	942.4	5.029	4.949	34.595	27.360	27.350	45.056	95.8	2.20	31.0	82.3	1.730	1486.0	0.00
1000.	991.9	4.862	4.780	34.596	27.380	27.371	45.093	96.6	2.22	31.2	80.5	1.771	1486.1	1.07
1100.	1090.9	4.541	4.453	34.605	27.423	27.414	45.168	99.6	2.29	31.9	76.8	1.850	1486.5	0.00
fin	1166.	1156.1	4.275	4.182	34.611	27.458	27.448	45.229	101.0	2.32	73.5	1.899	1486.5	1.07

Vitesse verticale moyenne du son entre 2. et 1166. dbar : 1496.0 m/s  
Pression de reference pour gamprf : 4000. dbar



	debut	fin
pression	2	1166
temperature	29.892	4.275
theta	29.892	4.182
salinite	34.693	34.611
gamma (s,tp,0)	21.535	27.458
oxygene	4.65	2.32

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 1174 m (1184 dbar)	
11- 3-1992	11. 9' 8 S
11.57 tu	122.54' 7 E

MD71/JADE2

Station 32.20

94/01/24  
13:43:48

1

STATION-3230

JADE 92

station : 32.30

donnees reduites a 10 dbar

le 12/ 3/1992 a 9.10 tu -11.0925 122.5581 sonde: 1118 m (1127.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.932	30.931	34.764	21.231	21.228	37.229	187.7	4.29	99.7	655.2	0.000	1547.3	0.00
10.	9.9	29.979	29.977	34.767	21.562	21.558	37.600	194.1	4.44	101.6	623.9	0.051	1545.5	5.46
20.	19.9	29.884	29.879	34.780	21.605	21.601	37.647	196.9	4.51	102.9	620.2	0.113	1545.5	2.97
30.	29.8	29.859	29.852	34.792	21.623	21.618	37.667	196.8	4.50	102.8	619.0	0.175	1545.6	2.48
40.	39.8	29.644	29.634	34.777	21.686	21.680	37.739	194.9	4.46	101.4	613.5	0.237	1545.3	6.28
50.	49.7	29.419	29.407	34.765	21.753	21.747	37.816	194.0	4.44	100.6	607.4	0.298	1545.0	6.66
60.	59.6	29.104	29.090	34.763	21.858	21.851	37.935	193.3	4.42	99.8	597.9	0.358	1544.5	3.92
70.	69.6	28.343	28.326	34.705	22.068	22.061	38.180	184.5	4.22	94.0	578.2	0.417	1543.0	10.45
80.	79.5	26.123	26.105	34.569	22.677	22.670	38.896	149.8	3.43	73.6	520.2	0.473	1538.0	18.31
90.	89.5	21.995	21.978	34.478	23.829	23.823	40.264	112.7	2.58	51.6	410.2	0.519	1527.8	12.60
100.	99.4	21.254	21.235	34.489	24.043	24.036	40.519	114.5	2.62	51.7	390.1	0.559	1526.0	12.31
110.	109.3	19.197	19.177	34.491	24.588	24.582	41.186	113.1	2.60	49.2	338.2	0.595	1520.5	4.01
120.	119.3	18.572	18.551	34.499	24.753	24.746	41.389	111.6	2.56	48.0	322.8	0.628	1518.9	2.77
130.	129.2	18.072	18.049	34.506	24.883	24.876	41.550	111.7	2.56	47.6	310.7	0.659	1517.6	5.11
140.	139.2	17.281	17.257	34.509	25.077	25.070	41.795	113.1	2.60	47.5	292.4	0.690	1515.4	5.40
150.	149.1	16.658	16.634	34.512	25.227	25.220	41.986	113.9	2.61	47.3	278.4	0.718	1513.7	7.46
160.	159.0	16.008	15.983	34.518	25.381	25.375	42.183	112.4	2.58	46.1	263.9	0.745	1511.9	5.18
170.	169.0	15.557	15.531	34.517	25.483	25.476	42.316	109.7	2.52	44.6	254.4	0.771	1510.7	5.40
180.	178.9	15.135	15.108	34.521	25.579	25.573	42.441	108.3	2.49	43.7	245.4	0.796	1509.5	2.40
190.	188.8	14.619	14.591	34.518	25.690	25.683	42.588	108.6	2.49	43.3	235.1	0.820	1508.0	8.33
200.	198.8	14.019	13.990	34.521	25.820	25.813	42.761	106.0	2.43	41.8	222.9	0.843	1506.3	7.50
220.	218.6	13.176	13.146	34.519	25.991	25.984	42.994	111.3	2.56	43.1	206.8	0.886	1503.8	6.22
240.	238.5	12.839	12.806	34.522	26.062	26.055	43.090	108.4	2.49	41.7	200.5	0.927	1503.1	3.66
260.	258.4	12.259	12.225	34.524	26.177	26.170	43.249	106.8	2.45	40.6	189.9	0.966	1501.4	4.75
280.	278.2	11.419	11.384	34.526	26.337	26.330	43.474	102.6	2.36	38.4	174.8	1.003	1498.9	9.14
300.	298.1	10.828	10.792	34.530	26.448	26.441	43.631	99.2	2.28	36.6	164.5	1.036	1497.1	4.20
320.	317.9	10.293	10.256	34.534	26.545	26.537	43.771	98.2	2.26	35.8	155.5	1.068	1495.6	2.90
340.	337.8	9.941	9.902	34.536	26.607	26.600	43.863	94.9	2.18	34.4	149.8	1.099	1494.7	1.38
360.	357.6	9.390	9.350	34.538	26.700	26.693	44.001	94.8	2.18	33.9	141.0	1.128	1493.0	4.15
380.	377.5	9.214	9.172	34.539	26.730	26.723	44.046	94.0	2.16	33.5	138.4	1.156	1492.7	2.97
400.	397.3	8.920	8.876	34.543	26.780	26.773	44.121	92.1	2.12	32.6	133.9	1.183	1491.9	2.40
420.	417.2	8.574	8.529	34.545	26.836	26.829	44.207	93.3	2.14	32.8	128.7	1.209	1491.0	2.31
440.	437.0	8.434	8.387	34.547	26.859	26.852	44.242	92.0	2.12	32.2	126.7	1.235	1490.8	1.24
460.	456.9	8.310	8.262	34.547	26.879	26.871	44.273	92.7	2.13	32.4	125.2	1.260	1490.6	2.70
480.	476.7	8.183	8.133	34.551	26.901	26.894	44.306	92.6	2.13	32.3	123.3	1.285	1490.5	1.38
500.	496.6	8.010	7.959	34.551	26.928	26.920	44.348	91.6	2.11	31.8	121.0	1.309	1490.2	4.15
550.	546.1	7.354	7.300	34.560	27.030	27.022	44.509	91.7	2.11	31.4	111.5	1.368	1488.5	2.23
600.	595.7	7.007	6.950	34.567	27.084	27.076	44.594	91.5	2.10	31.0	106.7	1.422	1488.0	1.96
650.	645.3	6.848	6.787	34.570	27.110	27.101	44.634	92.0	2.12	31.1	105.0	1.475	1488.2	1.64
700.	694.8	6.506	6.441	34.573	27.158	27.149	44.714	92.4	2.12	31.0	100.7	1.527	1487.7	1.64
750.	744.4	6.138	6.071	34.575	27.208	27.199	44.798	92.8	2.13	30.9	96.1	1.576	1487.1	1.24
800.	793.9	5.655	5.586	34.576	27.270	27.261	44.906	94.3	2.17	31.0	90.1	1.623	1486.0	3.09
850.	843.4	5.337	5.265	34.582	27.313	27.304	44.979	95.7	2.20	31.2	86.1	1.667	1485.5	1.51
900.	892.9	5.226	5.150	34.583	27.327	27.318	45.005	96.0	2.21	31.2	85.1	1.710	1485.9	1.51
950.	942.4	5.095	5.016	34.585	27.345	27.335	45.035	97.7	2.25	31.7	83.8	1.752	1486.2	0.87
1000.	991.9	4.753	4.672	34.591	27.388	27.379	45.112	99.5	2.29	32.0	79.5	1.793	1485.7	1.24
1100.	1090.9	4.559	4.470	34.595	27.414	27.404	45.157	100.2	2.30	32.1	77.7	1.872	1486.5	1.51
fin	1105.	1095.8	4.546	4.456	34.596	27.416	27.406	100.4	2.31	32.1	77.6	1.876	1486.6	1.07

Vitesse verticale moyenne du son entre 2. et 1105. dbar : 1496.6 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

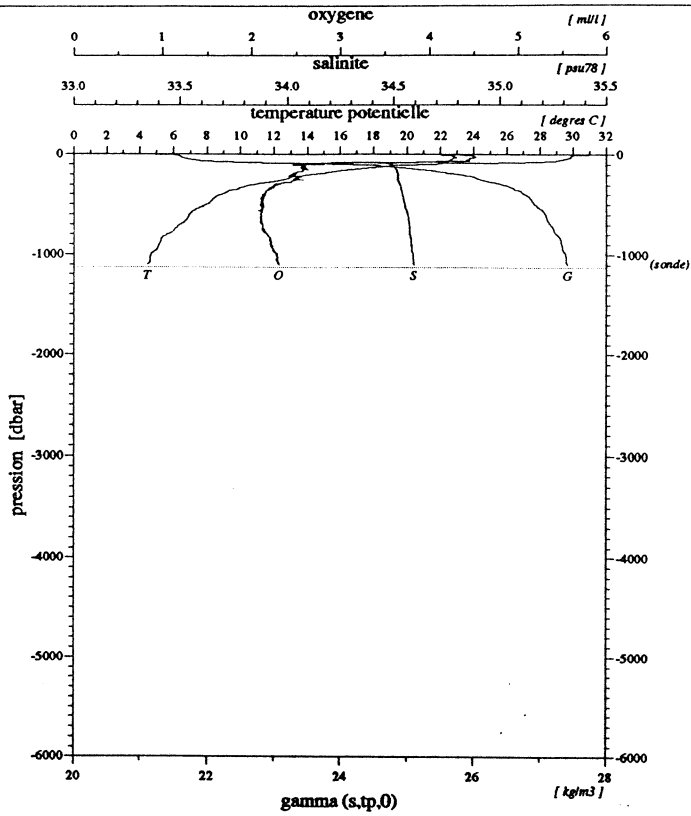


Diagramme salinite / oxygene

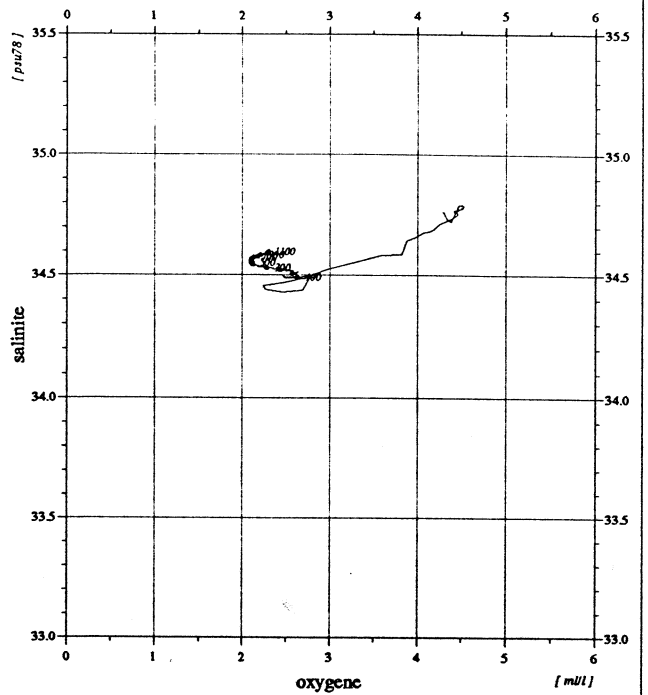


Diagramme temperature potentielle / salinite

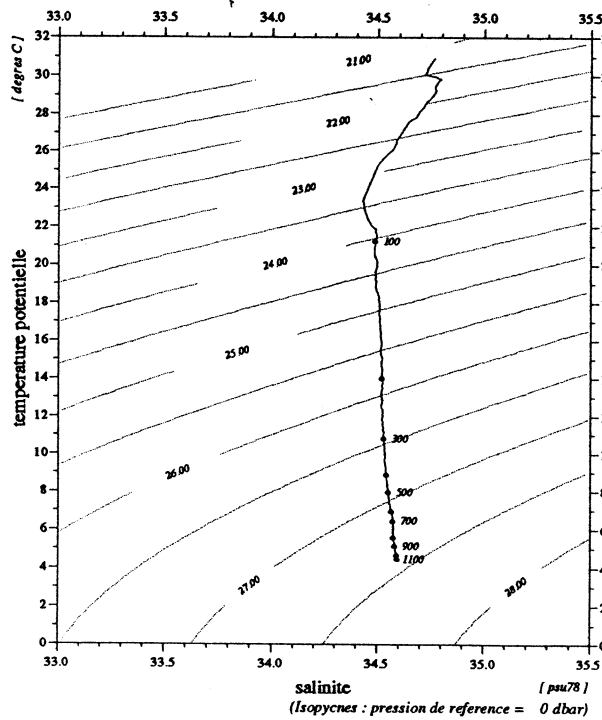
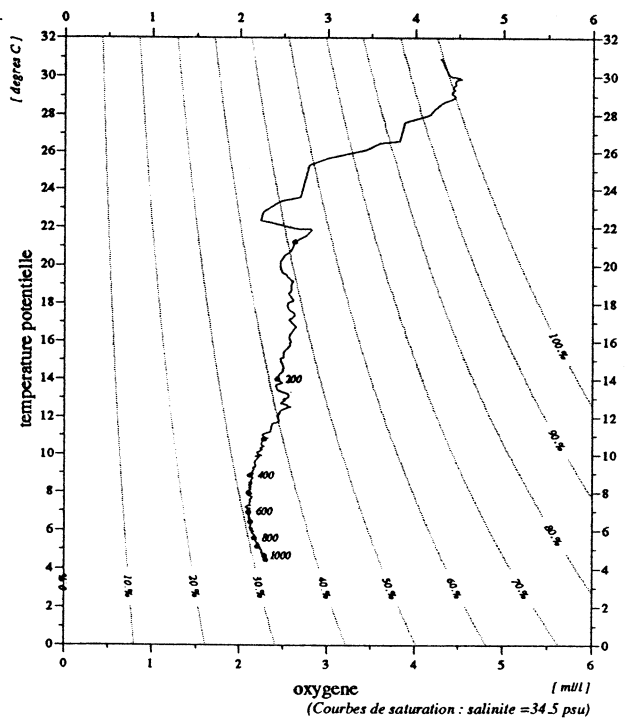


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1105.
temperature	30.932	4.546
theta	30.931	4.456
salinite	34.764	34.596
gamma (s,tp,0)	21.230	27.416
oxygene	4.29	2.31

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1118 m (1127 dbar)	
12- 3-1992	11. 9' 2 S
9.10 tu	122.55' 8 E

MD71/JADE2

Station 32.30

94/01/24  
13:43:54

STATION-3240

1

JADE 92

station : 32.40

donnees reduites a 10 dbar

le 12/ 3/1992 a 10.26 tu -11.0937 122.5606 sonde: 1402 m (1415.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.217	30.216	34.753	21.470	21.467	37.499	190.5	4.36	100.0	632.3	0.000	1545.8	0.00
10.	9.9	29.938	29.935	34.787	21.591	21.588	37.631	193.1	4.42	101.0	621.0	0.050	1545.4	3.56
20.	19.9	29.867	29.862	34.785	21.614	21.610	37.658	193.7	4.43	101.2	619.3	0.112	1545.4	2.32
30.	29.8	29.861	29.854	34.792	21.623	21.617	37.666	195.7	4.48	102.2	619.0	0.174	1545.6	0.00
40.	39.8	29.673	29.663	34.775	21.674	21.668	37.726	196.4	4.49	102.3	614.6	0.236	1545.4	7.06
50.	49.7	29.500	29.488	34.766	21.727	21.720	37.787	197.3	4.51	102.5	610.0	0.297	1545.2	4.64
60.	59.6	29.051	29.036	34.756	21.871	21.864	37.951	195.5	4.47	100.8	596.6	0.357	1544.4	9.69
70.	69.6	27.964	27.948	34.688	22.179	22.172	38.309	184.4	4.22	93.4	567.5	0.416	1542.1	7.40
79.	78.5	25.872	25.854	34.553	22.743	22.736	38.974	108.3	2.48	52.9	513.8	0.465	1537.3	11.55
90.	89.5	21.560	21.542	34.493	23.961	23.955	40.420	118.0	2.71	53.6	397.5	0.512	1526.6	13.99
100.	99.4	20.945	20.926	34.504	24.138	24.132	40.632	125.4	2.88	56.3	381.0	0.551	1525.2	10.05
110.	109.3	19.667	19.647	34.507	24.479	24.473	41.048	118.8	2.73	52.2	348.7	0.588	1521.8	4.29
120.	119.3	18.849	18.828	34.503	24.686	24.679	41.305	113.1	2.60	48.9	329.2	0.621	1519.7	6.61
130.	129.2	18.493	18.470	34.506	24.778	24.771	41.419	112.1	2.57	48.2	320.8	0.654	1518.8	5.54
140.	139.2	17.576	17.552	34.509	25.006	24.999	41.705	111.4	2.56	47.1	299.2	0.685	1516.3	7.76
150.	149.1	16.990	16.965	34.512	25.149	25.142	41.885	112.5	2.58	47.0	285.9	0.714	1514.7	11.86
160.	159.0	16.443	16.417	34.518	25.282	25.275	42.055	110.3	2.53	45.6	273.4	0.742	1513.2	7.81
170.	169.0	15.784	15.758	34.523	25.437	25.430	42.254	109.4	2.51	44.7	258.9	0.769	1511.4	5.81
180.	178.9	14.976	14.949	34.528	25.620	25.613	42.492	106.6	2.45	42.8	241.6	0.794	1509.0	2.90
190.	188.8	14.566	14.538	34.525	25.706	25.699	42.608	105.7	2.43	42.1	233.5	0.818	1507.9	7.76
200.	198.8	14.164	14.135	34.529	25.795	25.789	42.726	108.8	2.50	43.0	225.2	0.841	1506.8	6.98
220.	218.6	13.052	13.022	34.525	26.021	26.014	43.033	106.2	2.44	41.1	204.0	0.884	1503.4	6.00
240.	238.5	12.437	12.405	34.531	26.147	26.140	43.205	105.0	2.41	40.1	192.3	0.923	1501.7	4.63
260.	258.4	11.831	11.797	34.530	26.263	26.256	43.367	102.5	2.36	38.6	181.6	0.961	1500.0	4.75
280.	278.2	11.192	11.157	34.537	26.387	26.380	43.541	96.7	2.22	36.0	170.0	0.996	1498.1	2.55
300.	298.1	10.766	10.729	34.538	26.465	26.458	43.653	95.6	2.20	35.3	162.8	1.029	1496.9	3.96
320.	317.9	10.245	10.207	34.542	26.559	26.552	43.790	93.8	2.16	34.2	154.0	1.061	1495.4	1.96
340.	337.8	9.905	9.866	34.544	26.619	26.612	43.877	92.8	2.13	33.6	148.6	1.091	1494.5	2.31
360.	357.6	9.520	9.479	34.545	26.684	26.677	43.974	92.3	2.12	33.1	142.6	1.121	1493.5	4.63
380.	377.5	9.338	9.296	34.549	26.717	26.710	44.023	91.3	2.10	32.6	139.8	1.149	1493.1	1.38
400.	397.3	8.994	8.950	34.550	26.774	26.767	44.109	91.0	2.09	32.3	134.5	1.176	1492.2	2.23
420.	417.2	8.750	8.705	34.550	26.813	26.806	44.169	91.5	2.10	32.3	131.0	1.203	1491.6	4.50
440.	437.0	8.549	8.502	34.554	26.848	26.840	44.221	90.9	2.09	32.0	128.0	1.229	1491.2	1.64
460.	456.9	8.414	8.365	34.555	26.870	26.862	44.254	90.6	2.08	31.7	126.2	1.254	1491.0	3.15
480.	476.7	8.228	8.178	34.557	26.900	26.892	44.301	90.4	2.08	31.5	123.5	1.279	1490.7	0.87
500.	496.6	8.085	8.033	34.561	26.925	26.917	44.338	90.7	2.09	31.5	121.4	1.304	1490.5	1.64
550.	546.1	7.433	7.379	34.564	27.022	27.014	44.494	91.3	2.10	31.3	112.3	1.362	1488.8	4.55
600.	595.7	7.024	6.966	34.574	27.088	27.080	44.596	90.7	2.09	30.8	106.4	1.417	1488.1	2.31
650.	645.3	6.829	6.768	34.579	27.119	27.110	44.645	90.7	2.09	30.7	104.1	1.470	1488.2	1.24
700.	694.8	6.495	6.430	34.582	27.167	27.158	44.724	91.9	2.11	30.8	99.8	1.521	1487.7	1.07
750.	744.4	6.203	6.135	34.583	27.206	27.197	44.790	92.6	2.13	30.8	96.4	1.570	1487.4	0.87
800.	793.9	5.826	5.755	34.584	27.255	27.246	44.875	93.7	2.16	30.9	91.8	1.617	1486.7	1.64
850.	843.4	5.556	5.483	34.587	27.291	27.282	44.936	95.0	2.19	31.2	88.6	1.662	1486.4	2.05
900.	892.9	5.326	5.250	34.589	27.321	27.311	44.988	95.5	2.20	31.2	86.0	1.705	1486.3	1.51
950.	942.4	5.110	5.030	34.592	27.349	27.339	45.037	96.9	2.23	31.5	83.5	1.747	1486.3	0.62
1000.	991.9	4.867	4.785	34.596	27.380	27.370	45.092	98.5	2.27	31.8	80.6	1.789	1486.1	1.96
1100.	1090.9	4.663	4.574	34.601	27.407	27.397	45.140	100.2	2.31	32.2	78.6	1.868	1487.0	1.07
1200.	1189.7	4.370	4.273	34.609	27.446	27.436	45.208	102.1	2.35	32.6	75.3	1.945	1487.4	0.62
1300.	1288.6	4.127	4.024	34.617	27.479	27.468	45.265	104.7	2.41	33.2	72.5	2.019	1488.1	0.00
fin	1329.	1317.2	4.035	3.931	34.617	27.489	27.478	45.285	106.5	2.45	71.5	2.040	1488.2	1.24

Vitesse verticale moyenne du son entre 2. et 1329. dbar : 1495.2 m/s  
 Pression de reference pour gamprf : 4000. dbar



Profils verticaux

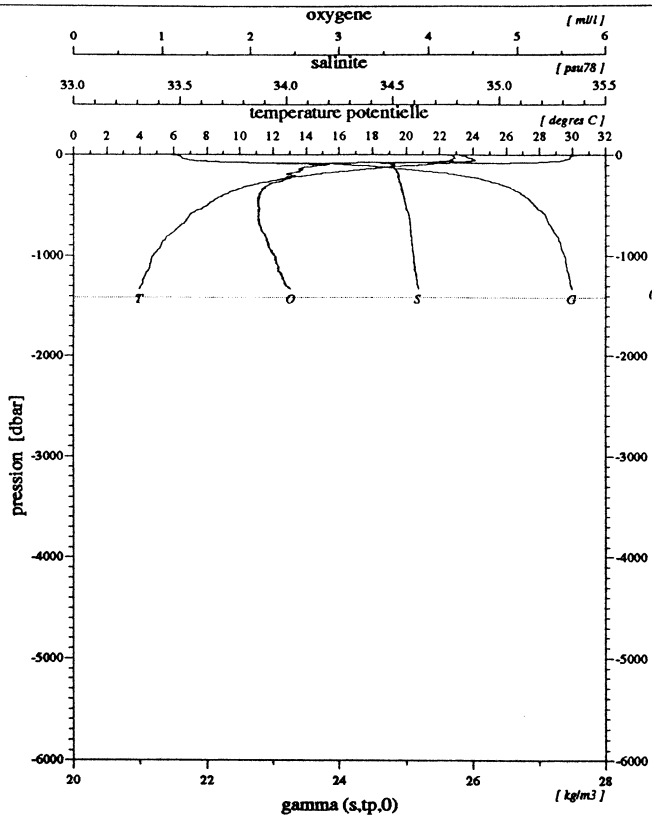


Diagramme salinite / oxygene

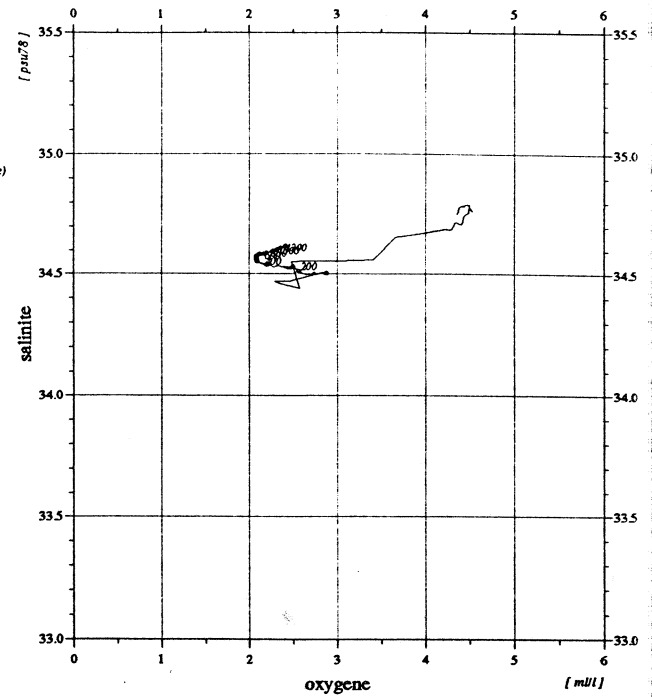


Diagramme temperature potentielle / salinite

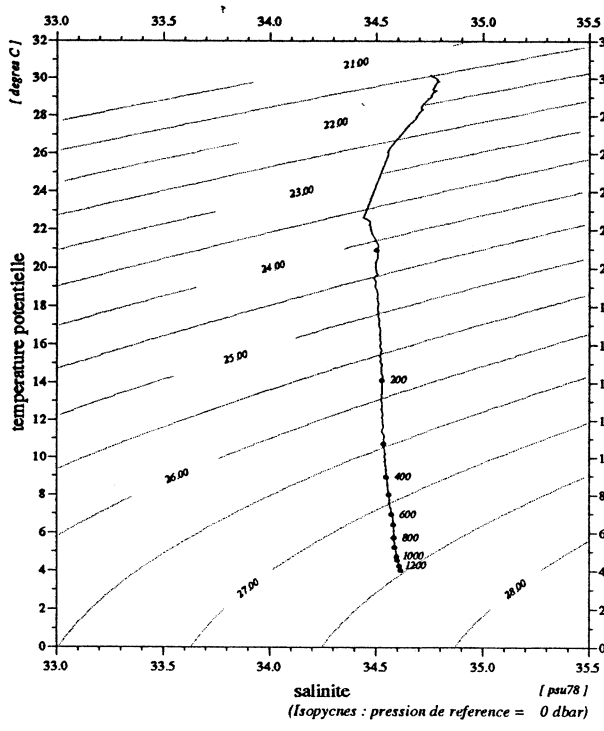
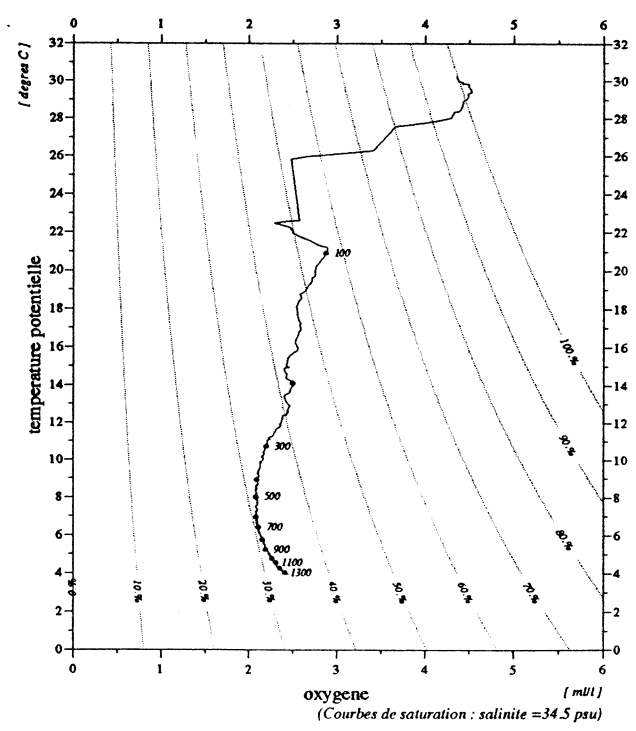


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1329
temperature	30.217	4.035
theta	30.216	3.931
salinite	34.753	34.617
gamma (s,tp,0)	21.470	27.489
oxygene	4.36	2.45

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1402 m ( 1415 dbar )	
12- 3-1992	11. 9' 3 S
10.26 tu	122.56' 0 E

MD71/JADE2

Station 32.40

94/01/24  
13:43:57

STATION-3250

1

JADE 92

station : 32.50

donnees reduites a 10 dbar

le 12/ 3/1992 a 12.21 tu -11.0933 122.5585 sonde: 1249 m (1260.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
5.	5.0	30.507	30.505	34.788	21.396	21.393	37.412	198.6	4.54	104.8	639.5	0.000	1546.5	0.00	
10.	9.9	29.979	29.976	34.784	21.575	21.571	37.613	203.9	4.66	106.7	622.6	0.032	1545.5	6.72	
20.	19.9	29.900	29.895	34.791	21.607	21.603	37.649	199.9	4.57	104.5	620.0	0.094	1545.5	1.75	
30.	29.8	29.852	29.845	34.791	21.625	21.620	37.669	196.7	4.50	102.7	618.8	0.156	1545.6	1.70	
40.	39.8	29.787	29.777	34.780	21.640	21.634	37.687	198.4	4.54	103.5	617.9	0.217	1545.6	0.88	
50.	49.7	29.542	29.530	34.769	21.715	21.708	37.773	199.2	4.56	103.5	611.1	0.279	1545.3	4.60	
60.	59.6	28.781	28.766	34.737	21.947	21.939	38.038	195.7	4.48	100.4	589.4	0.339	1543.8	8.14	
70.	69.6	27.410	27.394	34.645	22.327	22.319	38.482	177.7	4.07	89.2	553.4	0.396	1540.8	13.63	
81.	80.5	23.227	23.210	34.429	23.441	23.435	39.810	128.2	2.94	59.9	447.0	0.453	1530.8	25.77	
90.	89.5	21.692	21.674	34.477	23.912	23.906	40.364	122.4	2.81	55.7	402.2	0.491	1527.0	11.51	
100.	99.4	20.744	20.726	34.498	24.187	24.181	40.693	123.1	2.82	55.1	376.3	0.530	1524.6	8.95	
110.	109.3	20.090	20.070	34.500	24.364	24.357	40.908	120.5	2.76	53.3	359.8	0.567	1523.0	9.95	
120.	119.3	19.225	19.203	34.503	24.591	24.584	41.187	114.1	2.62	49.7	338.4	0.602	1520.7	4.01	
130.	129.2	18.386	18.364	34.504	24.803	24.796	41.451	112.7	2.59	48.4	318.4	0.635	1518.5	7.46	
140.	139.2	17.491	17.467	34.513	25.029	25.023	41.734	112.3	2.58	47.4	297.0	0.665	1516.1	7.11	
150.	149.1	16.730	16.706	34.519	25.216	25.209	41.969	112.4	2.58	46.7	279.5	0.694	1514.0	6.10	
160.	159.0	15.790	15.765	34.519	25.432	25.425	42.249	110.9	2.55	45.3	259.0	0.721	1511.2	5.10	
170.	169.0	14.960	14.935	34.526	25.621	25.615	42.495	107.6	2.47	43.2	241.1	0.746	1508.8	3.61	
180.	178.9	14.664	14.637	34.526	25.686	25.680	42.581	105.9	2.43	42.3	235.1	0.770	1508.0	5.57	
190.	188.8	14.139	14.111	34.523	25.796	25.789	42.728	109.7	2.52	43.3	224.9	0.793	1506.5	9.55	
200.	198.8	13.626	13.598	34.527	25.906	25.899	42.875	108.2	2.48	42.3	214.6	0.815	1505.0	4.99	
220.	218.6	12.647	12.617	34.531	26.106	26.099	43.148	106.3	2.44	40.8	195.8	0.855	1502.1	3.22	
240.	238.5	11.850	11.819	34.529	26.258	26.252	43.361	105.6	2.43	39.8	181.5	0.893	1499.7	6.25	
260.	258.4	11.323	11.290	34.536	26.362	26.355	43.506	100.0	2.30	37.3	171.9	0.929	1498.2	4.87	
280.	278.2	10.894	10.860	34.538	26.442	26.435	43.619	98.1	2.25	36.3	164.6	0.962	1497.1	2.97	
300.	298.1	10.399	10.363	34.540	26.531	26.524	43.749	97.0	2.23	35.5	156.4	0.995	1495.6	2.84	
320.	317.9	9.990	9.953	34.542	26.603	26.596	43.854	95.6	2.20	34.7	149.8	1.025	1494.5	5.67	
340.	337.8	9.837	9.798	34.545	26.631	26.624	43.895	94.3	2.17	34.1	147.4	1.055	1494.3	1.24	
360.	357.6	9.367	9.327	34.547	26.711	26.704	44.014	92.8	2.13	33.2	140.0	1.084	1492.9	1.52	
380.	377.5	9.141	9.099	34.549	26.749	26.742	44.071	92.7	2.13	33.0	136.6	1.111	1492.4	2.31	
400.	397.3	9.028	8.984	34.550	26.769	26.762	44.101	91.9	2.11	32.6	135.0	1.138	1492.3	1.52	
420.	417.2	8.627	8.583	34.553	26.834	26.827	44.200	92.2	2.12	32.5	128.9	1.165	1491.2	2.23	
440.	437.0	8.555	8.508	34.555	26.847	26.839	44.219	91.3	2.10	32.1	128.1	1.190	1491.2	1.64	
460.	456.9	8.405	8.357	34.556	26.872	26.864	44.257	91.2	2.10	31.9	126.0	1.216	1491.0	1.07	
480.	476.7	8.250	8.200	34.556	26.896	26.888	44.295	91.4	2.10	31.9	123.9	1.241	1490.8	2.70	
500.	496.6	8.147	8.095	34.559	26.913	26.905	44.322	90.6	2.08	31.6	122.5	1.265	1490.7	1.86	
550.	546.1	7.765	7.709	34.562	26.974	26.965	44.415	91.0	2.09	31.4	117.3	1.326	1490.1	1.64	
600.	595.7	7.187	7.129	34.572	27.064	27.055	44.557	90.5	2.08	30.8	108.9	1.382	1488.7	1.24	
650.	645.3	6.924	6.862	34.576	27.104	27.095	44.622	90.5	2.08	30.6	105.6	1.436	1488.5	1.86	
700.	694.8	6.712	6.646	34.580	27.136	27.127	44.673	90.7	2.09	30.6	103.0	1.488	1488.5	1.07	
750.	744.4	6.197	6.129	34.583	27.207	27.198	44.792	91.3	2.10	30.4	96.3	1.537	1487.3	0.62	
800.	793.9	5.805	5.735	34.583	27.257	27.248	44.878	93.6	2.15	30.9	91.6	1.585	1486.6	2.90	
850.	843.4	5.330	5.258	34.589	27.319	27.311	44.986	95.3	2.19	31.1	85.5	1.629	1485.5	2.31	
900.	892.9	5.108	5.033	34.592	27.348	27.339	45.036	96.2	2.21	31.2	82.9	1.671	1485.5	1.38	
950.	942.4	4.906	4.828	34.595	27.374	27.365	45.082	97.9	2.25	31.6	80.6	1.712	1485.5	1.38	
1000.	991.9	4.805	4.723	34.597	27.387	27.378	45.106	98.3	2.26	31.7	79.7	1.752	1485.9	1.24	
1100.	1090.9	4.692	4.602	34.600	27.403	27.393	45.133	98.8	2.27	31.8	79.1	1.831	1487.1	0.00	
fin	1107.	1097.8	4.672	4.582	34.600	27.406	27.395	45.137	99.1	2.28	31.8	78.9	1.837	1487.1	1.24

Vitesse verticale moyenne du son entre 5. et 1107. dbar : 1496.3 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

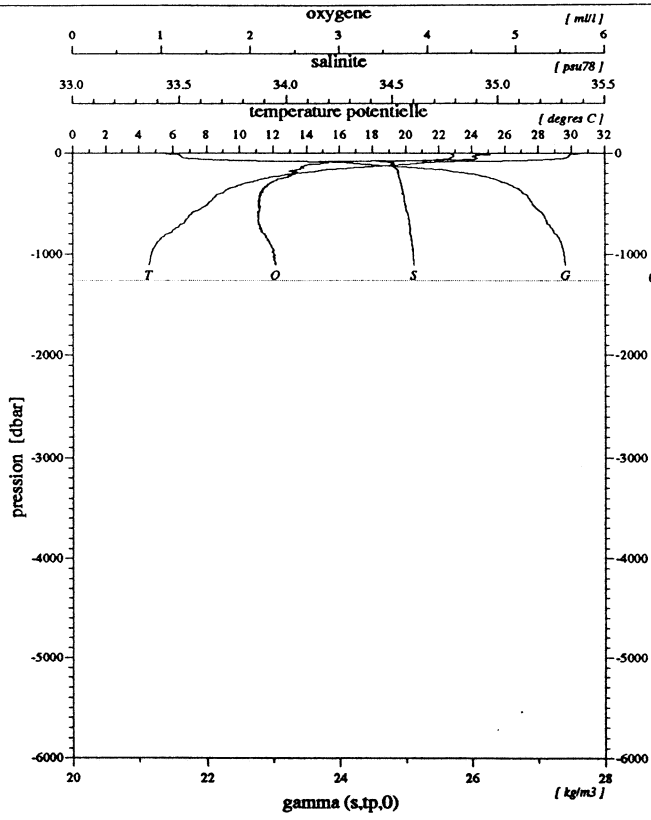


Diagramme salinite / oxygene

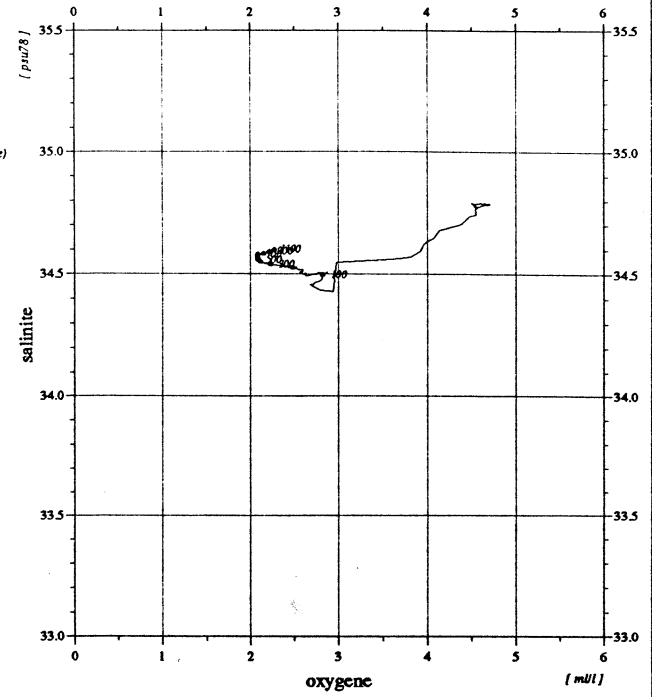


Diagramme temperature potentielle / salinite

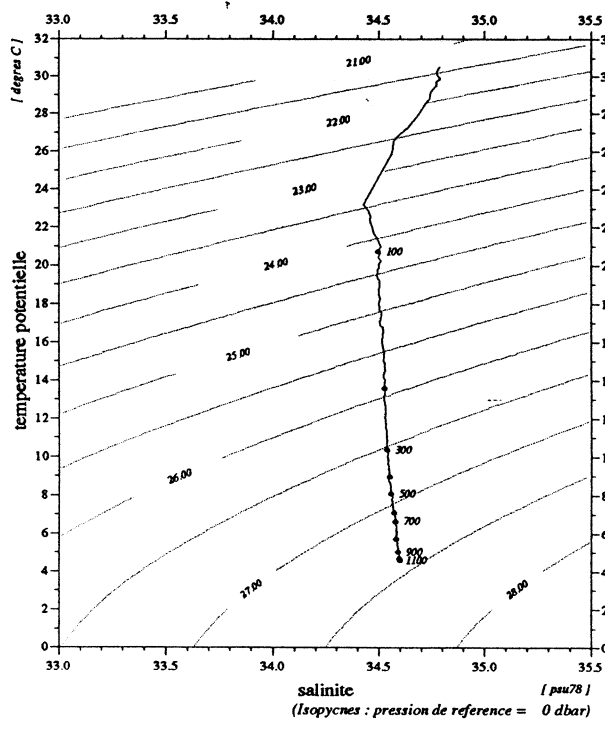
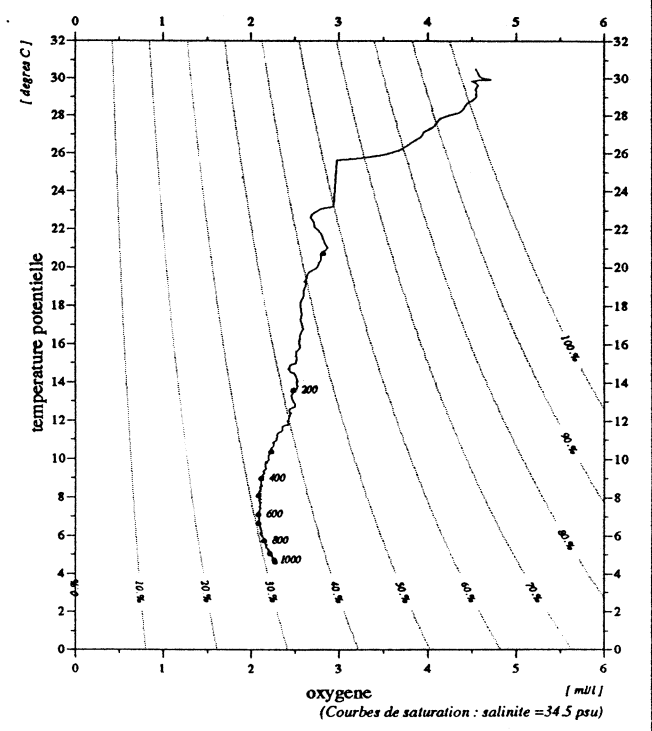


Diagramme temperature potentielle / oxygene



	debut	fin
pression	5.	1107.
temperature	30.507	4.672
theta	30.505	4.582
salinite	34.788	34.600
gamma (s,tp,0)	21.396	27.406
oxygene	4.54	2.28

Niveaux reduits a 1 dbar  
 Bathysonde : NEH-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1249 m (1260 dbar)	
12- 3-1992	11.9' 3 S
12.21 tu	122.55' 8 E

94/01/24  
13:44:01

STATION-3260

1

JADE 92

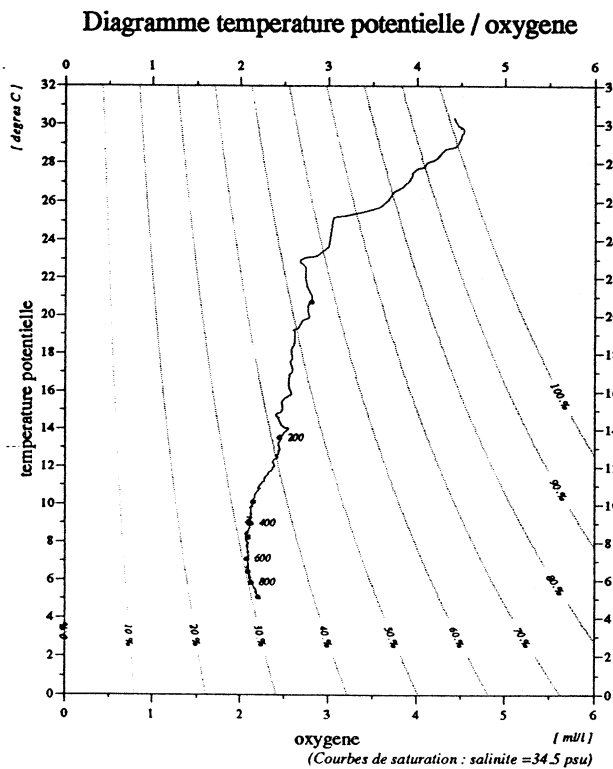
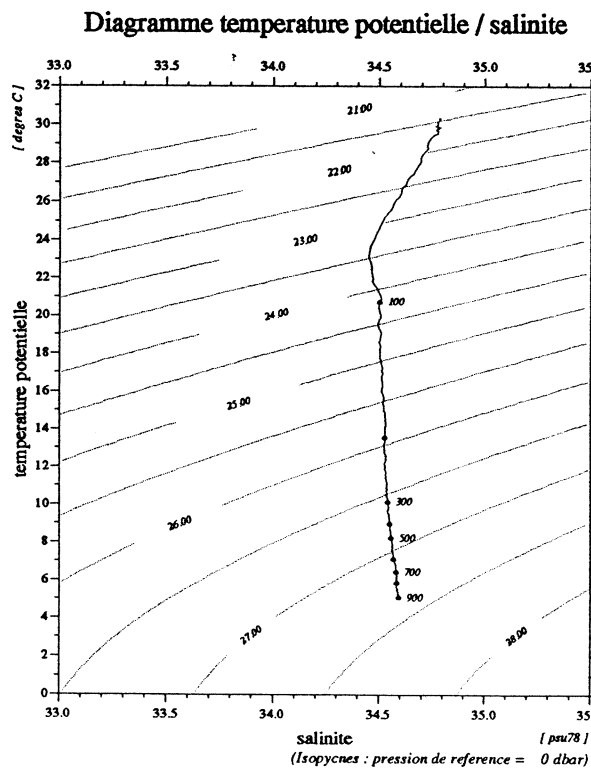
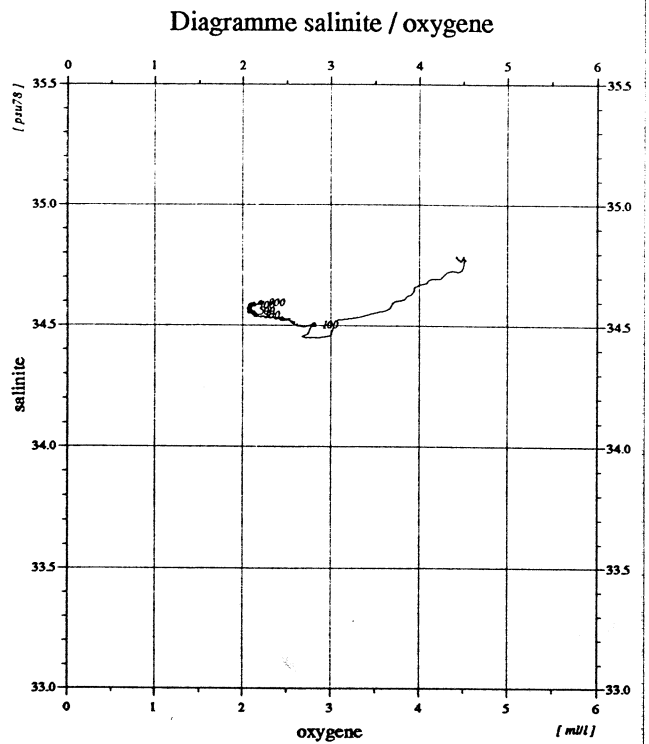
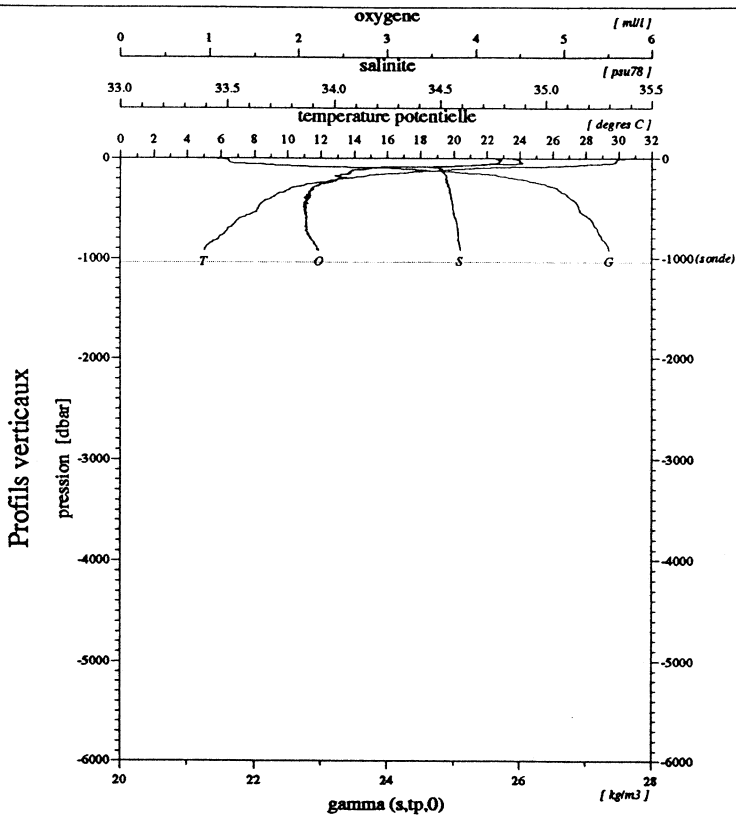
station : 32.60

donnees reduites a 10 dbar

le 12/ 3/1992 a 13.06 tu -11.0918 122.5567 sonde: 1028 m (1036.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.354	30.354	34.783	21.445	21.442	37.467	193.2	4.42	101.7	634.7	0.000	1546.1	0.00
10.	9.9	29.924	29.921	34.773	21.586	21.582	37.626	196.1	4.49	102.5	621.6	0.050	1545.4	4.00
20.	19.9	29.873	29.868	34.788	21.614	21.610	37.657	197.0	4.51	102.9	619.3	0.112	1545.5	2.06
30.	29.8	29.825	29.818	34.779	21.625	21.620	37.670	196.5	4.49	102.6	618.8	0.174	1545.5	1.91
40.	39.8	29.757	29.748	34.767	21.640	21.634	37.688	198.1	4.53	103.3	617.8	0.236	1545.5	4.78
50.	49.7	29.105	29.093	34.728	21.831	21.825	37.909	195.7	4.48	101.0	600.0	0.297	1544.3	14.18
60.	59.6	27.757	27.743	34.673	22.235	22.228	38.374	176.5	4.04	89.1	561.7	0.355	1541.5	6.52
70.	69.6	26.676	26.661	34.604	22.529	22.522	38.720	165.6	3.79	82.1	534.0	0.410	1539.1	9.63
80.	79.5	25.234	25.216	34.523	22.917	22.909	39.180	133.2	3.05	64.5	497.2	0.461	1535.8	7.82
90.	89.5	22.171	22.153	34.468	23.773	23.766	40.198	119.5	2.74	54.8	415.6	0.506	1528.2	12.79
100.	99.4	20.762	20.743	34.504	24.187	24.181	40.692	122.4	2.81	54.8	376.3	0.545	1524.7	10.82
110.	109.3	19.766	19.746	34.496	24.445	24.439	41.008	117.9	2.70	51.9	351.9	0.581	1522.1	6.04
120.	119.3	19.096	19.075	34.510	24.629	24.622	41.232	113.9	2.61	49.5	334.7	0.615	1520.4	7.76
130.	129.2	17.742	17.720	34.504	24.962	24.956	41.650	112.6	2.59	47.7	303.1	0.647	1516.6	9.23
140.	139.2	17.246	17.223	34.516	25.091	25.084	41.811	112.8	2.59	47.3	291.1	0.677	1515.3	4.38
150.	149.1	16.131	16.108	34.514	25.350	25.344	42.144	111.5	2.56	45.8	266.6	0.705	1512.1	10.85
160.	159.0	14.976	14.952	34.521	25.614	25.608	42.487	107.6	2.47	43.2	241.4	0.731	1508.7	10.93
170.	169.0	14.837	14.812	34.528	25.650	25.643	42.532	104.9	2.41	42.1	238.4	0.755	1508.4	2.77
180.	178.9	14.558	14.531	34.530	25.712	25.705	42.614	106.0	2.43	42.2	232.7	0.778	1507.7	4.99
190.	188.8	14.046	14.018	34.529	25.820	25.813	42.759	110.5	2.54	43.6	222.5	0.801	1506.2	4.38
200.	198.8	13.575	13.547	34.527	25.916	25.910	42.889	106.4	2.44	41.6	213.5	0.823	1504.8	4.87
220.	218.6	12.587	12.557	34.533	26.119	26.113	43.166	104.7	2.40	40.1	194.5	0.863	1501.9	2.77
240.	238.5	11.791	11.760	34.532	26.271	26.265	43.379	102.4	2.35	38.6	180.2	0.901	1499.5	3.39
260.	258.4	11.112	11.080	34.539	26.402	26.396	43.563	97.5	2.24	36.2	168.0	0.935	1497.5	1.24
280.	278.2	10.566	10.533	34.538	26.499	26.493	43.703	94.3	2.17	34.6	159.0	0.968	1495.9	4.38
300.	298.1	10.173	10.138	34.543	26.572	26.566	43.808	93.5	2.15	34.1	152.3	0.999	1494.8	1.52
320.	317.9	9.932	9.895	34.544	26.614	26.607	43.870	92.5	2.13	33.5	148.7	1.029	1494.3	2.97
340.	337.8	9.723	9.684	34.539	26.646	26.639	43.919	92.1	2.12	33.2	145.9	1.059	1493.9	3.03
360.	357.6	9.370	9.330	34.548	26.711	26.704	44.014	91.4	2.10	32.7	139.9	1.087	1492.9	1.52
380.	377.5	9.209	9.167	34.550	26.739	26.732	44.055	91.3	2.10	32.5	137.6	1.115	1492.7	1.38
400.	397.3	9.028	8.984	34.551	26.770	26.762	44.101	92.6	2.13	32.9	135.0	1.142	1492.3	1.24
420.	417.2	8.671	8.626	34.554	26.828	26.820	44.190	90.9	2.09	32.0	129.6	1.169	1491.3	2.62
440.	437.0	8.537	8.491	34.556	26.851	26.843	44.224	90.1	2.07	31.6	127.7	1.194	1491.2	1.75
460.	456.9	8.387	8.338	34.557	26.875	26.867	44.262	90.5	2.08	31.7	125.6	1.220	1490.9	1.52
480.	476.7	8.307	8.257	34.557	26.887	26.879	44.281	90.1	2.07	31.5	124.8	1.245	1491.0	2.14
500.	496.6	8.280	8.228	34.558	26.893	26.885	44.290	90.9	2.09	31.8	124.6	1.270	1491.2	0.87
550.	546.1	7.949	7.892	34.563	26.947	26.938	44.373	90.5	2.08	31.4	120.0	1.331	1490.8	2.55
600.	595.7	7.189	7.131	34.571	27.063	27.054	44.556	90.2	2.08	30.7	109.0	1.389	1488.7	2.97
650.	645.3	6.916	6.854	34.577	27.106	27.098	44.624	90.7	2.09	30.7	105.4	1.442	1488.5	1.07
700.	694.8	6.492	6.427	34.582	27.167	27.159	44.725	90.9	2.09	30.5	99.7	1.494	1487.7	1.38
750.	744.4	6.306	6.237	34.583	27.193	27.184	44.767	91.6	2.11	30.6	97.8	1.543	1487.8	1.24
800.	793.9	5.943	5.872	34.585	27.241	27.232	44.850	92.4	2.13	30.6	93.3	1.591	1487.2	0.87
850.	843.4	5.432	5.359	34.590	27.308	27.299	44.965	94.7	2.18	31.0	86.8	1.636	1485.9	0.62
900.	892.9	5.154	5.079	34.593	27.344	27.335	45.027	95.9	2.20	31.1	83.4	1.678	1485.6	0.87
927.	919.7	5.072	4.995	34.593	27.354	27.344	45.045	96.9	2.23	31.4	82.7	1.701	1485.8	1.24

Vitesse verticale moyenne du son entre 2. et 927. dbar : 1498.4 m/s  
Pression de reference pour gamprf : 4000. dbar



	debut	fin
pression	2	927
temperature	30.354	5.072
theta	30.354	4.995
salinite	34.783	34.593
gamma (s.tp.0)	21.445	27.354
oxygene	4.42	2.23

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1028 m ( 1036 dbar)	
12- 3-1992	11.9' 1 S
13.06 tu	122.55' 6 E

MD71/JADE2

Station 32.60

94/01/24  
13:44:05

STATION-3270

1

JADE 92

station : 32.70

donnees reduites a 10 dbar

le 12/ 3/1992 a 14.57 tu -11.0952 122.5586 sonde: 1346 m (1358.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.411	30.410	34.812	21.447	21.445	37.467	177.8	4.07	93.7	634.4	0.000	1546.3	0.00
10.	9.9	30.432	30.429	34.811	21.440	21.436	37.458	178.0	4.07	93.9	635.6	0.051	1546.5	1.52
20.	19.9	29.939	29.934	34.792	21.595	21.591	37.635	182.1	4.17	95.3	621.2	0.114	1545.6	4.68
30.	29.8	29.853	29.846	34.789	21.623	21.618	37.667	183.3	4.19	95.7	619.0	0.176	1545.6	3.04
40.	39.8	29.388	29.378	34.751	21.753	21.747	37.817	192.2	4.40	99.6	607.0	0.237	1544.7	9.59
50.	49.7	28.616	28.604	34.710	21.980	21.974	38.079	186.5	4.27	95.5	585.7	0.297	1543.2	9.65
60.	59.6	27.762	27.748	34.670	22.231	22.224	38.370	175.5	4.02	88.6	562.1	0.354	1541.5	2.15
70.	69.6	26.051	26.035	34.562	22.694	22.687	38.916	158.9	3.64	78.0	518.2	0.407	1537.6	12.86
80.	79.5	23.332	23.315	34.466	23.439	23.433	39.802	109.7	2.52	51.4	447.1	0.455	1531.0	10.95
90.	89.5	21.215	21.198	34.492	24.054	24.048	40.533	119.7	2.74	54.0	388.6	0.496	1525.7	7.33
100.	99.4	20.638	20.620	34.498	24.216	24.209	40.728	118.6	2.72	53.0	373.6	0.534	1524.3	6.01
110.	109.3	20.254	20.233	34.501	24.321	24.314	40.855	118.1	2.71	52.4	363.9	0.571	1523.5	8.60
120.	119.3	19.363	19.341	34.516	24.565	24.558	41.152	117.0	2.68	51.1	340.8	0.606	1521.2	6.29
130.	129.2	18.522	18.500	34.509	24.774	24.767	41.413	111.7	2.56	48.0	321.2	0.639	1518.9	3.10
140.	139.2	18.010	17.986	34.506	24.898	24.891	41.570	111.3	2.55	47.4	309.6	0.670	1517.6	9.69
150.	149.1	16.677	16.653	34.522	25.230	25.223	41.987	111.5	2.56	46.3	278.1	0.699	1513.8	3.10
160.	159.0	15.772	15.747	34.519	25.436	25.429	42.254	110.6	2.54	45.2	258.6	0.726	1511.2	7.03
170.	169.0	14.841	14.815	34.524	25.646	25.640	42.528	109.0	2.50	43.7	238.7	0.751	1508.4	8.30
180.	178.9	14.439	14.412	34.527	25.735	25.729	42.646	111.1	2.55	44.2	230.4	0.775	1507.3	7.80
190.	188.8	13.665	13.638	34.520	25.892	25.886	42.859	111.6	2.56	43.7	215.5	0.797	1505.0	8.75
200.	198.8	13.217	13.190	34.529	25.991	25.984	42.990	105.7	2.43	41.0	206.3	0.819	1503.7	6.34
220.	218.6	12.425	12.396	34.531	26.149	26.143	43.208	107.6	2.47	41.1	191.5	0.858	1501.3	6.61
240.	238.5	11.691	11.661	34.532	26.290	26.283	43.405	102.7	2.36	38.6	178.4	0.895	1499.2	4.33
260.	258.4	11.098	11.066	34.538	26.405	26.398	43.566	97.3	2.24	36.1	167.8	0.930	1497.4	2.84
280.	278.2	10.695	10.661	34.538	26.477	26.470	43.671	96.4	2.21	35.5	161.2	0.963	1496.4	4.95
300.	298.1	10.139	10.104	34.543	26.578	26.571	43.816	93.3	2.14	33.9	151.8	0.994	1494.7	1.75
320.	317.9	9.897	9.860	34.544	26.620	26.614	43.879	93.4	2.15	33.8	148.0	1.024	1494.2	2.55
340.	337.8	9.783	9.744	34.545	26.641	26.634	43.909	93.4	2.15	33.7	146.5	1.053	1494.1	1.75
360.	357.6	9.433	9.392	34.547	26.700	26.693	43.998	92.6	2.13	33.2	141.0	1.082	1493.2	1.86
380.	377.5	9.169	9.127	34.549	26.745	26.738	44.065	92.1	2.12	32.8	137.0	1.110	1492.5	3.03
400.	397.3	8.951	8.908	34.550	26.781	26.774	44.119	91.9	2.11	32.6	133.8	1.137	1492.1	3.81
420.	417.2	8.648	8.603	34.554	26.831	26.824	44.196	91.9	2.11	32.3	129.2	1.163	1491.3	0.87
440.	437.0	8.507	8.460	34.555	26.855	26.847	44.231	91.4	2.10	32.1	127.3	1.189	1491.1	1.07
460.	456.9	8.378	8.330	34.556	26.876	26.868	44.263	91.2	2.10	31.9	125.6	1.214	1490.9	2.83
480.	476.7	8.247	8.197	34.557	26.897	26.889	44.296	90.7	2.09	31.7	123.8	1.239	1490.8	0.87
500.	496.6	8.109	8.058	34.560	26.920	26.912	44.331	91.2	2.10	31.7	121.8	1.264	1490.6	0.00
550.	546.1	7.589	7.534	34.565	27.001	26.993	44.458	92.0	2.12	31.6	114.5	1.322	1489.4	2.83
600.	595.7	7.147	7.089	34.573	27.070	27.062	44.567	90.8	2.09	30.9	108.3	1.378	1488.6	0.87
650.	645.3	6.965	6.902	34.576	27.099	27.090	44.612	91.2	2.10	30.9	106.2	1.431	1488.7	0.62
700.	694.8	6.658	6.592	34.579	27.143	27.134	44.685	92.0	2.12	31.0	102.3	1.484	1488.3	1.24
750.	744.4	6.259	6.191	34.583	27.199	27.190	44.778	91.7	2.11	30.6	97.1	1.533	1487.6	1.64
800.	793.9	6.046	5.974	34.584	27.227	27.218	44.826	93.0	2.14	30.8	94.8	1.580	1487.6	0.00
850.	843.4	5.533	5.459	34.586	27.293	27.284	44.940	94.3	2.17	30.9	88.4	1.626	1486.3	2.47
900.	892.9	5.175	5.099	34.591	27.340	27.331	45.022	96.2	2.21	31.3	83.8	1.669	1485.7	1.38
950.	942.4	5.037	4.958	34.595	27.359	27.350	45.054	97.2	2.24	31.5	82.3	1.710	1486.0	0.87
1000.	991.9	4.932	4.849	34.596	27.372	27.363	45.078	98.2	2.26	31.8	81.4	1.751	1486.4	2.05
1100.	1090.9	4.702	4.612	34.601	27.403	27.393	45.132	99.8	2.30	32.1	79.1	1.831	1487.1	0.00
fin	1146.	1136.3	4.505	4.413	34.605	27.428	27.418	100.6	2.32	32.2	76.7	1.867	1487.1	1.07

Vitesse verticale moyenne du son entre 2. et 1146. dbar : 1496.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

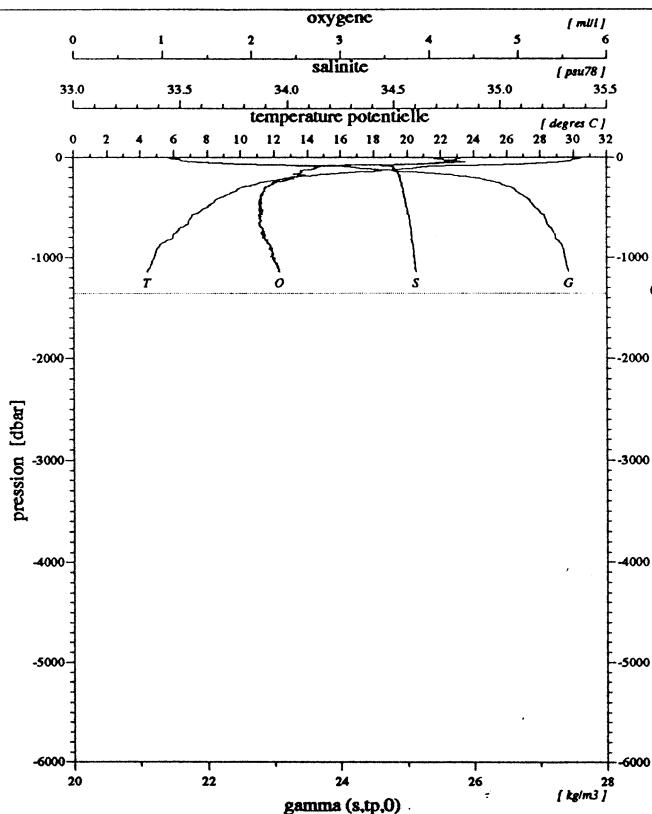


Diagramme salinite / oxygene

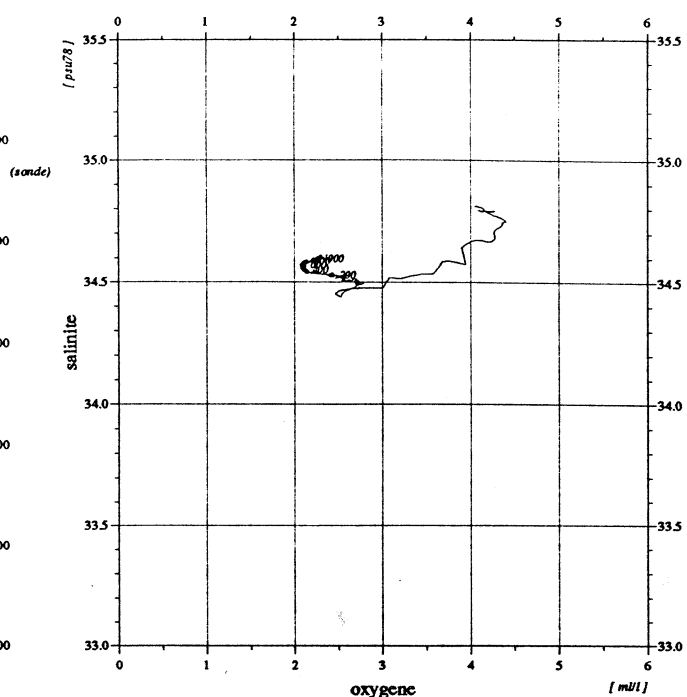


Diagramme temperature potentielle / salinite

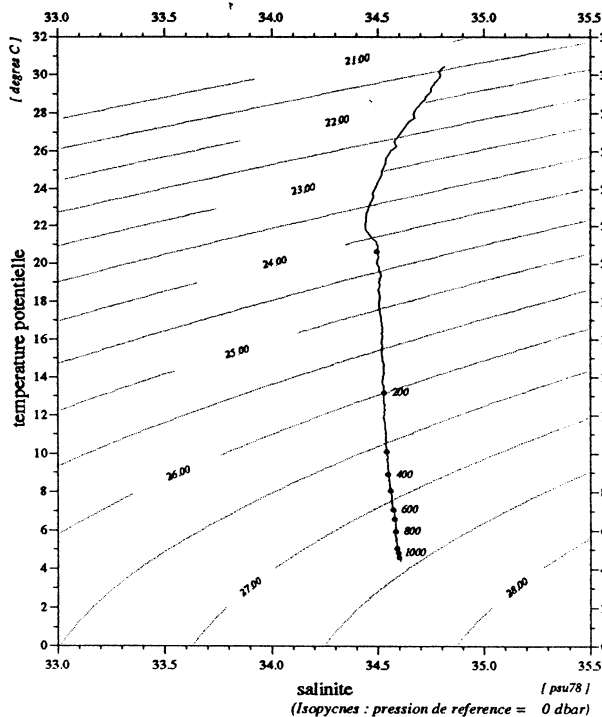
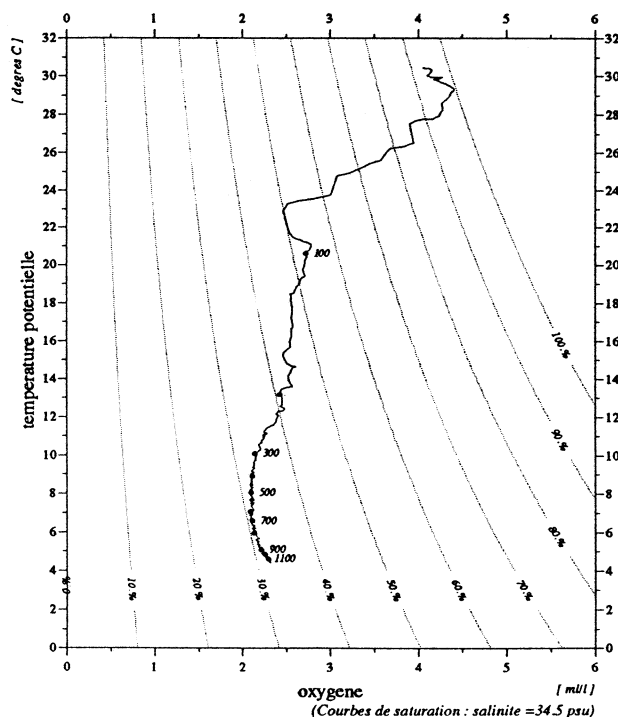


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1146.
temperature	30.411	4.505
theta	30.410	4.412
salinite	34.812	34.605
gamma (s,tp,0)	21.447	27.428
oxygene	4.07	2.32

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1346 m ( 1358 dbar)	
12- 3-1992	11. 9' 5 S
14.57 tu	122.55' 8 E

MD71/JADE2

Station 32.70

94/01/24  
13:44:09

STATION-3280

1

JADE 92

station : 32.80

donnees reduites a 10 dbar

le 12/ 3/1992 a 15.42 tu -11.0904 122.5524 sonde: 972 m ( 980.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.090	30.089	34.798	21.546	21.544	37.580	192.0	4.39	100.7	624.9	0.000	1545.6	0.00
10.	9.9	30.007	30.005	34.795	21.574	21.570	37.611	193.1	4.42	101.1	622.7	0.050	1545.6	1.24
20.	19.9	29.862	29.857	34.789	21.619	21.615	37.662	198.4	4.54	103.6	618.9	0.112	1545.4	3.67
30.	29.8	29.356	29.349	34.751	21.763	21.758	37.828	197.8	4.53	102.5	605.6	0.173	1544.5	11.63
40.	39.8	28.215	28.206	34.688	22.095	22.089	38.212	189.3	4.33	96.3	574.2	0.233	1542.1	18.82
50.	49.7	27.306	27.294	34.642	22.356	22.350	38.516	175.0	4.01	87.7	549.6	0.289	1540.2	8.83
60.	59.6	26.005	25.992	34.574	22.717	22.711	38.941	156.7	3.59	76.8	515.5	0.342	1537.3	10.98
70.	69.6	24.154	24.139	34.482	23.210	23.204	39.529	134.6	3.08	63.9	468.7	0.392	1533.0	16.21
80.	79.5	23.031	23.014	34.476	23.534	23.528	39.912	126.7	2.90	59.0	438.1	0.436	1530.3	4.57
90.	89.5	22.277	22.259	34.472	23.745	23.739	40.165	119.7	2.74	55.0	418.2	0.479	1528.5	5.68
100.	99.4	21.283	21.264	34.507	24.048	24.042	40.523	118.2	2.71	53.4	389.6	0.519	1526.1	7.22
110.	109.3	20.696	20.676	34.500	24.202	24.195	40.711	119.6	2.74	53.5	375.3	0.558	1524.7	9.41
120.	119.3	19.686	19.664	34.497	24.467	24.460	41.035	113.2	2.60	49.7	350.2	0.594	1522.0	11.90
130.	129.2	19.074	19.050	34.508	24.633	24.626	41.238	111.8	2.57	48.6	334.7	0.628	1520.5	5.43
140.	139.2	18.587	18.562	34.503	24.753	24.746	41.388	111.7	2.56	48.1	323.5	0.662	1519.3	13.93
150.	149.1	17.211	17.186	34.515	25.099	25.092	41.821	112.0	2.57	47.0	290.7	0.692	1515.4	2.63
160.	159.0	16.004	15.978	34.514	25.380	25.373	42.182	110.7	2.54	45.4	264.0	0.720	1511.9	9.16
170.	169.0	14.927	14.901	34.522	25.626	25.619	42.502	110.2	2.53	44.2	240.7	0.745	1508.7	9.65
180.	178.9	14.435	14.409	34.527	25.736	25.730	42.647	112.0	2.57	44.5	230.3	0.769	1507.3	4.87
190.	188.8	13.732	13.705	34.522	25.880	25.874	42.842	111.0	2.55	43.5	216.7	0.791	1505.2	5.94
200.	198.8	13.443	13.415	34.529	25.945	25.939	42.928	108.7	2.50	42.4	210.7	0.813	1504.4	6.67
220.	218.6	12.592	12.562	34.530	26.116	26.109	43.162	106.9	2.46	41.0	194.8	0.853	1501.9	5.21
240.	238.5	12.267	12.235	34.533	26.182	26.175	43.253	103.9	2.39	39.5	188.9	0.891	1501.1	1.96
260.	258.4	11.277	11.245	34.536	26.370	26.364	43.517	100.0	2.30	37.3	171.1	0.927	1498.1	6.58
280.	278.2	10.902	10.868	34.538	26.440	26.434	43.617	95.6	2.20	35.4	164.8	0.961	1497.1	4.63
300.	298.1	10.382	10.347	34.540	26.534	26.527	43.753	94.6	2.17	34.6	156.1	0.994	1495.6	4.33
320.	317.9	10.122	10.084	34.544	26.582	26.575	43.822	94.0	2.16	34.2	151.8	1.024	1495.0	2.05
340.	337.8	9.900	9.861	34.545	26.621	26.614	43.880	94.1	2.16	34.1	148.4	1.054	1494.5	1.07
360.	357.6	9.432	9.392	34.548	26.701	26.694	43.999	93.7	2.15	33.6	140.9	1.083	1493.2	1.07
380.	377.5	9.309	9.266	34.548	26.722	26.715	44.030	92.0	2.12	32.9	139.3	1.111	1493.0	2.97
400.	397.3	9.055	9.011	34.551	26.765	26.758	44.095	92.3	2.12	32.8	135.4	1.139	1492.4	1.52
420.	417.2	8.710	8.664	34.554	26.822	26.815	44.181	91.3	2.10	32.2	130.1	1.165	1491.5	1.38
440.	437.0	8.594	8.547	34.555	26.841	26.834	44.210	91.6	2.11	32.2	128.6	1.191	1491.4	1.24
460.	456.9	8.438	8.390	34.556	26.867	26.859	44.249	92.0	2.12	32.2	126.5	1.216	1491.1	2.05
480.	476.7	8.332	8.281	34.557	26.884	26.876	44.276	92.1	2.12	32.2	125.1	1.242	1491.1	0.62
500.	496.6	8.157	8.105	34.560	26.913	26.904	44.320	91.4	2.10	31.8	122.6	1.266	1490.7	1.24
550.	546.1	7.640	7.585	34.564	26.993	26.985	44.446	91.4	2.10	31.5	115.3	1.326	1489.6	4.10
600.	595.7	7.179	7.120	34.572	27.065	27.057	44.559	92.0	2.12	31.3	108.8	1.382	1488.7	1.75
650.	645.3	6.893	6.831	34.577	27.109	27.100	44.629	91.5	2.11	31.0	105.1	1.435	1488.4	1.07
700.	694.8	6.570	6.505	34.579	27.155	27.146	44.705	92.0	2.12	30.9	101.1	1.487	1488.0	3.96
750.	744.4	6.060	5.993	34.583	27.224	27.215	44.821	93.0	2.14	30.9	94.4	1.536	1486.8	3.96
800.	793.9	5.800	5.730	34.585	27.259	27.250	44.881	92.6	2.13	30.6	91.4	1.582	1486.6	2.47
850.	843.4	5.474	5.401	34.589	27.302	27.293	44.956	94.4	2.17	30.9	87.3	1.627	1486.1	0.87
fin 876.	869.2	5.440	5.365	34.589	27.307	27.298	44.963	95.4	2.19	31.2	87.2	1.649	1486.4	0.00

Vitesse verticale moyenne du son entre 2. et 876. dbar : 1499.1 m/s  
 Pression de reference pour gamprf : 4000. dbar



Profils verticaux

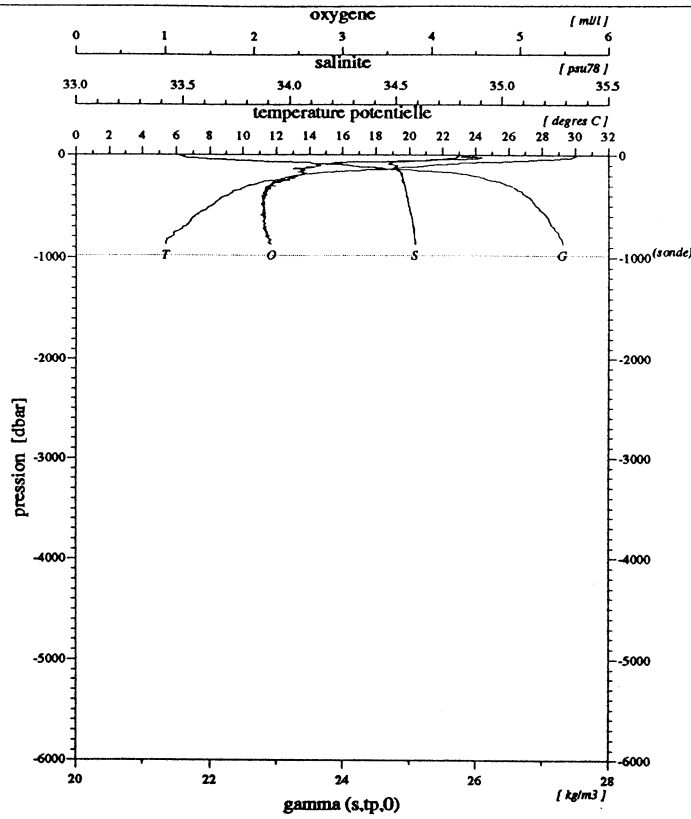


Diagramme salinite / oxygene

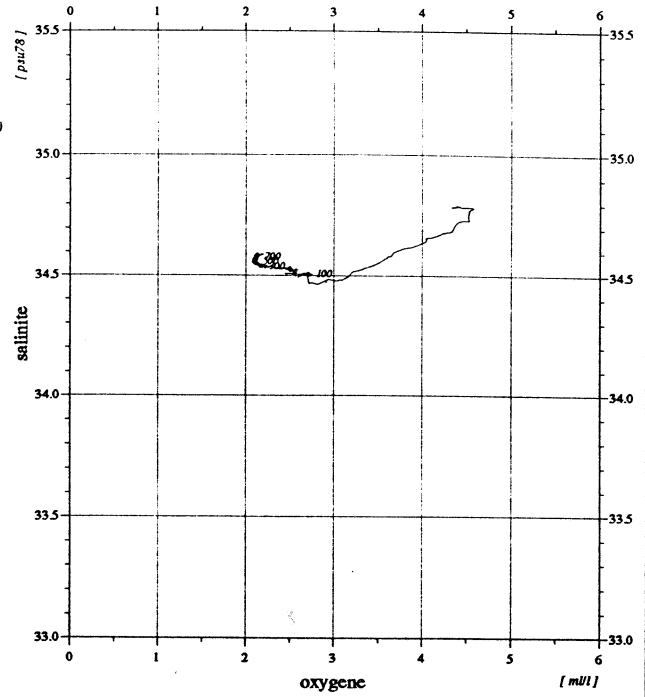


Diagramme temperature potentielle / salinite

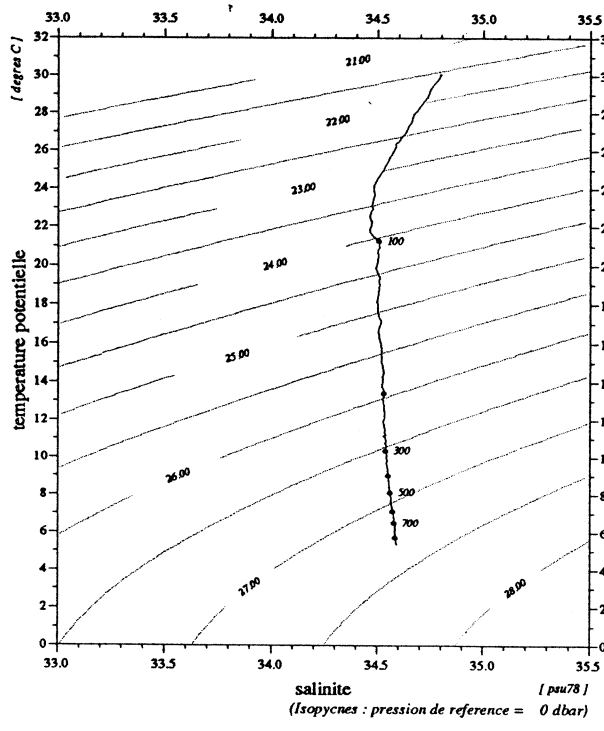
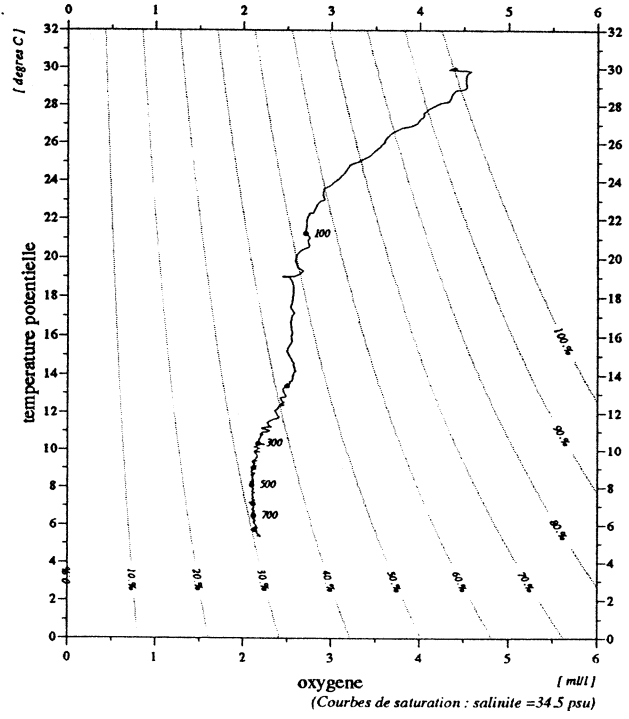


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	876.
temperature	30.090	5.440
theta	30.089	5.365
salinite	34.798	34.589
gamma (s,tp,0)	21.546	27.307
oxygene	4.39	2.19

Niveaux reduits a 1 bar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 972 m ( 980 dbar)	
12- 3-1992	11. 9' 0 S
15.42 tu	122.55' 2 E

MD71/JADE2

Station 32.80

94/01/24  
13:44:13

STATION-3290

1

JADE 92

station : 32.90

donnees reduites a 10 dbar

le 12/ 3/1992 a 17.28 tu -11.0938 122.5573 sonde: 1099 m (1108.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.278	30.278	34.775	21.465	21.462	37.491	195.6	4.47	102.8	632.7	0.000	1546.0	0.00
10.	9.9	30.081	30.079	34.753	21.517	21.513	37.551	199.4	4.56	104.5	628.2	0.050	1545.7	3.22
20.	19.9	29.914	29.909	34.747	21.570	21.566	37.612	200.8	4.59	105.0	623.6	0.113	1545.5	6.98
30.	29.8	28.924	28.917	34.724	21.887	21.883	37.973	198.5	4.54	102.1	593.6	0.174	1543.6	7.35
40.	39.8	28.451	28.441	34.710	22.034	22.029	38.141	192.7	4.41	98.4	580.1	0.233	1542.7	5.63
50.	49.7	27.004	26.993	34.619	22.435	22.429	38.610	166.4	3.81	83.0	542.1	0.289	1539.5	10.13
60.	59.6	25.590	25.577	34.545	22.823	22.817	39.068	154.1	3.53	75.0	505.3	0.341	1536.3	8.28
70.	69.6	22.652	22.638	34.487	23.650	23.644	40.048	121.3	2.78	56.2	426.5	0.388	1529.2	19.12
80.	79.5	21.136	21.121	34.476	24.064	24.058	40.547	113.1	2.59	51.0	387.3	0.428	1525.3	7.48
90.	89.5	20.903	20.886	34.506	24.150	24.144	40.646	119.7	2.75	53.8	379.5	0.467	1524.9	6.67
100.	99.4	20.794	20.775	34.503	24.178	24.171	40.680	119.0	2.73	53.3	377.2	0.504	1524.8	2.55
110.	109.3	20.484	20.464	34.502	24.261	24.254	40.781	118.2	2.71	52.7	369.6	0.542	1524.1	4.29
120.	119.3	19.787	19.765	34.506	24.448	24.441	41.010	117.8	2.70	51.8	352.1	0.578	1522.3	8.47
130.	129.2	18.820	18.797	34.511	24.700	24.693	41.320	114.9	2.64	49.7	328.3	0.612	1519.8	11.35
140.	139.2	17.493	17.470	34.508	25.026	25.019	41.730	110.4	2.54	46.6	297.4	0.643	1516.1	2.77
150.	149.1	16.226	16.202	34.518	25.332	25.325	42.119	112.6	2.59	46.4	268.3	0.671	1512.4	6.98
160.	159.0	15.170	15.146	34.523	25.573	25.567	42.432	111.2	2.55	44.8	245.5	0.697	1509.3	7.30
170.	169.0	14.821	14.795	34.532	25.656	25.650	42.540	110.6	2.54	44.3	237.7	0.721	1508.4	4.75
180.	178.9	14.464	14.437	34.530	25.732	25.726	42.641	113.2	2.60	45.1	230.7	0.744	1507.4	3.09
190.	188.8	14.206	14.178	34.529	25.786	25.780	42.713	111.8	2.57	44.3	225.8	0.767	1506.7	6.03
200.	198.8	13.675	13.646	34.524	25.893	25.887	42.859	112.2	2.58	43.9	215.8	0.789	1505.2	6.03
220.	218.6	13.010	12.980	34.526	26.030	26.024	43.045	109.9	2.53	42.5	203.1	0.831	1503.3	2.05
240.	238.5	12.605	12.573	34.532	26.115	26.108	43.160	106.6	2.45	40.9	195.4	0.871	1502.3	1.96
260.	258.4	11.978	11.944	34.532	26.236	26.229	43.329	106.9	2.46	40.4	184.1	0.909	1500.5	1.75
280.	278.2	11.183	11.148	34.536	26.388	26.381	43.543	100.7	2.31	37.5	169.9	0.944	1498.1	4.42
300.	298.1	10.701	10.664	34.539	26.477	26.470	43.670	97.7	2.24	36.0	161.7	0.977	1496.7	3.66
320.	317.9	10.214	10.176	34.542	26.564	26.557	43.797	96.5	2.22	35.2	153.6	1.009	1495.3	4.50
340.	337.8	9.864	9.825	34.544	26.626	26.619	43.888	95.4	2.19	34.5	147.9	1.039	1494.4	1.38
360.	357.6	9.458	9.417	34.546	26.695	26.688	43.991	94.0	2.16	33.7	141.5	1.068	1493.2	2.90
380.	377.5	9.342	9.300	34.548	26.716	26.709	44.021	94.2	2.17	33.7	139.9	1.096	1493.2	1.86
400.	397.3	9.084	9.040	34.550	26.759	26.752	44.086	93.5	2.15	33.2	136.0	1.124	1492.5	2.55
420.	417.2	8.719	8.674	34.552	26.819	26.812	44.178	94.2	2.16	33.2	130.4	1.150	1491.5	2.23
440.	437.0	8.525	8.478	34.555	26.852	26.844	44.227	93.5	2.15	32.8	127.6	1.176	1491.1	0.00
460.	456.9	8.476	8.427	34.555	26.860	26.852	44.239	93.3	2.14	32.7	127.2	1.202	1491.3	2.55
480.	476.7	8.358	8.307	34.556	26.879	26.871	44.269	92.2	2.12	32.3	125.6	1.227	1491.2	0.87
500.	496.6	8.237	8.185	34.557	26.898	26.890	44.299	92.1	2.12	32.1	124.0	1.252	1491.0	1.24
550.	546.1	7.682	7.627	34.563	26.986	26.978	44.435	92.5	2.13	31.9	116.0	1.312	1489.8	3.09
600.	595.7	7.155	7.097	34.571	27.067	27.059	44.564	92.7	2.13	31.5	108.6	1.368	1488.6	0.62
650.	645.3	6.919	6.857	34.574	27.103	27.094	44.621	92.1	2.12	31.2	105.7	1.421	1488.5	0.00
700.	694.8	6.628	6.563	34.576	27.144	27.135	44.689	91.7	2.11	30.9	102.2	1.473	1488.2	1.96
750.	744.4	6.037	5.970	34.577	27.223	27.214	44.822	93.7	2.15	31.1	94.5	1.522	1486.7	0.62
800.	793.9	5.716	5.646	34.580	27.265	27.256	44.895	94.8	2.18	31.2	90.6	1.569	1486.2	2.14
850.	843.4	5.426	5.354	34.583	27.303	27.295	44.961	95.4	2.19	31.2	87.1	1.613	1485.9	1.38
900.	892.9	5.312	5.235	34.586	27.319	27.310	44.988	96.0	2.21	31.3	86.0	1.656	1486.3	1.07
950.	942.4	5.118	5.039	34.587	27.344	27.334	45.031	97.1	2.23	31.5	84.0	1.699	1486.3	1.07
1000.	991.9	4.902	4.819	34.591	27.372	27.363	45.081	98.8	2.27	31.9	81.4	1.740	1486.3	0.00
fin	1065.	1056.2	4.814	4.726	34.592	27.384	27.373	45.101	99.5	2.29	80.9	1.793	1487.0	0.62

Vitesse verticale moyenne du son entre 2. et 1065. dbar : 1496.7 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

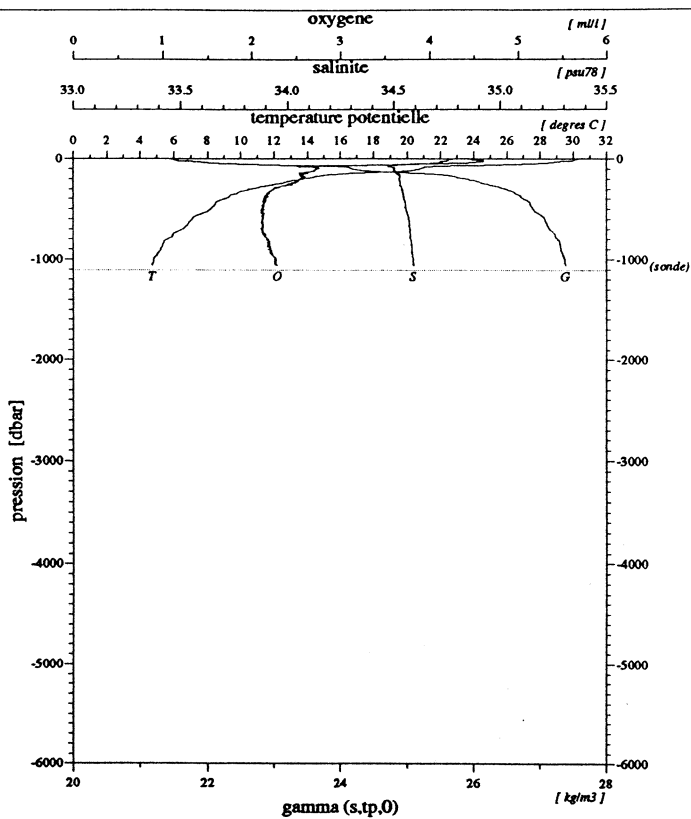


Diagramme salinite / oxygene

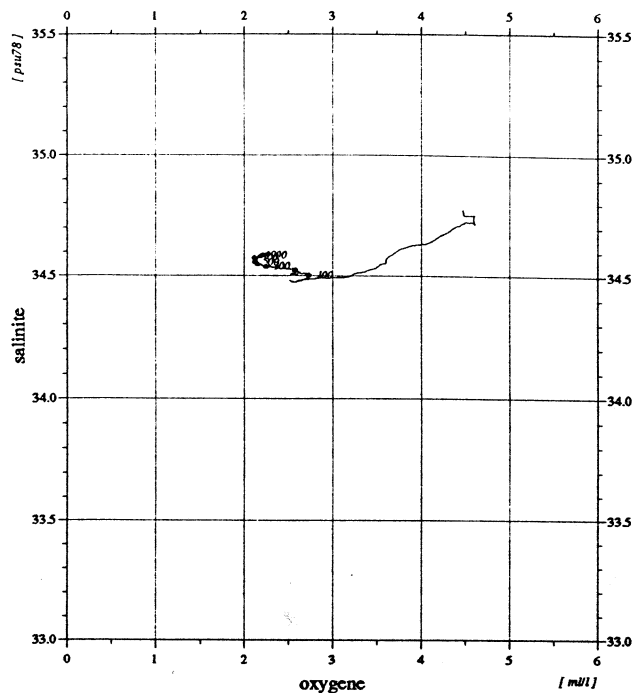


Diagramme temperature potentielle / salinite

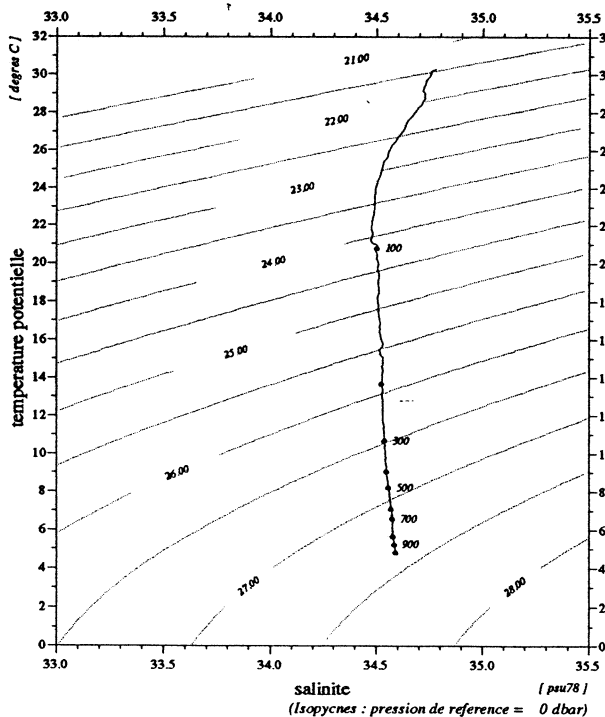
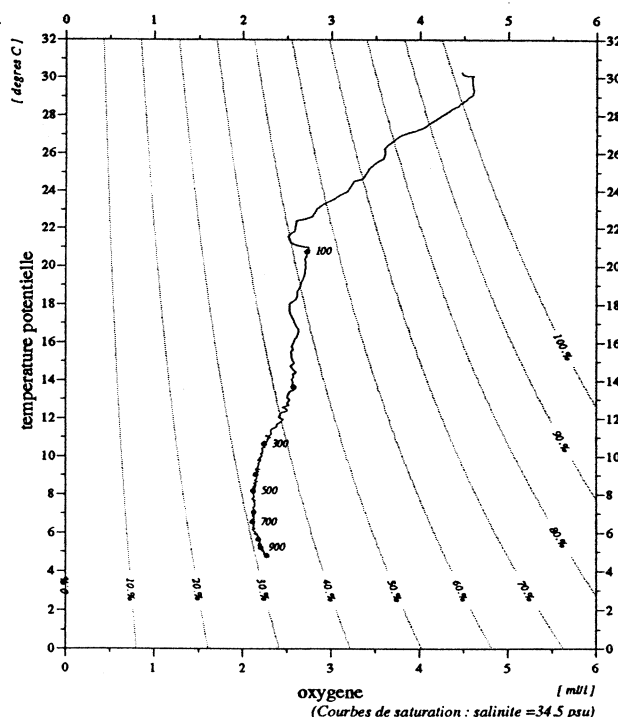


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1065.
temperature	30.278	4.814
theta	30.278	4.726
salinite	34.775	34.592
gamma (s,tp,0)	21.465	27.383
oxygene	4.47	2.29

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1099 m ( 1108 dbar)	
12- 3-1992	11. 9' 3 S
17.28 tu	122.55' 7 E

MD71/JADE2

Station 32.90

94/01/24  
13:44:17

STATION-8200

1

JADE 92

station : 82.00

donnees reduites a 10 dbar

le 12/ 3/1992 a 18.18 tu -11.0940 122.5542 sonde: 1033 m (1042.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.258	30.257	34.785	21.479	21.477	37.506	198.4	4.54	104.3	631.4	0.000	1546.0	0.00
10.	9.9	30.194	30.192	34.780	21.499	21.495	37.528	199.3	4.56	104.6	629.9	0.050	1546.0	3.01
20.	19.9	30.041	30.036	34.765	21.540	21.536	37.576	200.4	4.58	104.9	626.4	0.113	1545.8	7.19
30.	29.8	29.110	29.103	34.715	21.818	21.813	37.896	200.8	4.59	103.6	600.2	0.175	1543.9	10.27
40.	39.8	28.504	28.494	34.708	22.015	22.010	38.120	194.3	4.45	99.3	581.9	0.234	1542.8	5.60
50.	49.7	27.115	27.103	34.618	22.399	22.393	38.569	168.8	3.87	84.3	545.5	0.290	1539.8	14.87
60.	59.6	25.600	25.586	34.545	22.820	22.814	39.065	152.8	3.50	74.4	505.6	0.343	1536.4	10.18
70.	69.6	22.975	22.961	34.506	23.572	23.566	39.952	122.0	2.80	56.8	434.0	0.390	1530.0	8.54
80.	79.5	21.435	21.419	34.475	23.982	23.976	40.448	113.0	2.59	51.2	395.2	0.431	1526.1	4.88
90.	89.5	20.833	20.816	34.501	24.165	24.159	40.666	120.1	2.75	53.9	378.0	0.469	1524.7	8.98
100.	99.4	20.225	20.207	34.497	24.325	24.319	40.861	118.3	2.71	52.5	363.1	0.506	1523.2	8.31
110.	109.3	19.461	19.441	34.510	24.535	24.529	41.116	117.7	2.70	51.5	343.3	0.542	1521.3	9.55
120.	119.3	19.102	19.080	34.514	24.630	24.623	41.233	115.8	2.66	50.3	334.6	0.576	1520.4	7.01
130.	129.2	18.533	18.511	34.511	24.772	24.765	41.410	112.1	2.57	48.2	321.4	0.608	1518.9	1.86
140.	139.2	18.316	18.292	34.512	24.827	24.820	41.479	112.7	2.59	48.3	316.4	0.640	1518.5	6.38
150.	149.1	17.464	17.439	34.513	25.036	25.029	41.743	112.6	2.59	47.5	296.7	0.671	1516.1	4.76
160.	159.0	16.701	16.676	34.523	25.225	25.218	41.981	110.7	2.54	46.0	278.9	0.700	1514.0	3.66
170.	169.0	15.184	15.158	34.525	25.572	25.565	42.430	110.4	2.54	44.6	245.9	0.726	1509.5	9.37
180.	178.9	14.528	14.502	34.529	25.717	25.711	42.622	111.0	2.55	44.2	232.1	0.750	1507.6	7.24
190.	188.8	14.125	14.097	34.529	25.803	25.797	42.736	111.9	2.57	44.2	224.1	0.773	1506.5	7.32
200.	198.8	13.547	13.519	34.528	25.923	25.917	42.898	113.3	2.60	44.3	212.9	0.795	1504.7	2.55
220.	218.6	12.951	12.921	34.532	26.047	26.040	43.066	109.0	2.50	42.1	201.5	0.836	1503.1	2.63
240.	238.5	12.693	12.661	34.533	26.099	26.092	43.138	107.1	2.46	41.1	197.0	0.876	1502.6	2.63
260.	258.4	12.170	12.136	34.532	26.200	26.193	43.279	106.3	2.44	40.4	187.7	0.914	1501.1	4.99
280.	278.2	11.460	11.425	34.536	26.337	26.330	43.471	100.7	2.31	37.7	174.8	0.951	1499.0	5.80
300.	298.1	10.947	10.910	34.540	26.434	26.427	43.608	99.9	2.30	37.0	165.9	0.985	1497.6	2.63
320.	317.9	10.541	10.503	34.542	26.508	26.501	43.714	96.8	2.22	35.5	159.1	1.017	1496.5	1.96
340.	337.8	9.829	9.790	34.546	26.633	26.626	43.898	95.8	2.20	34.6	147.2	1.047	1494.3	2.23
360.	357.6	9.410	9.369	34.549	26.705	26.698	44.005	94.0	2.16	33.6	140.5	1.076	1493.1	2.47
380.	377.5	9.134	9.092	34.550	26.752	26.744	44.074	93.6	2.15	33.3	136.4	1.104	1492.4	3.50
400.	397.3	8.842	8.799	34.552	26.800	26.792	44.147	93.2	2.14	32.9	132.0	1.131	1491.6	4.63
420.	417.2	8.554	8.509	34.556	26.848	26.840	44.220	90.8	2.09	31.9	127.6	1.156	1490.9	1.24
440.	437.0	8.476	8.430	34.557	26.861	26.854	44.240	92.3	2.12	32.4	126.6	1.182	1491.0	1.38
460.	456.9	8.365	8.317	34.557	26.878	26.870	44.267	91.9	2.11	32.2	125.3	1.207	1490.9	3.15
480.	476.7	8.262	8.212	34.558	26.896	26.888	44.293	92.4	2.12	32.2	123.9	1.232	1490.8	1.86
500.	496.6	8.106	8.054	34.561	26.921	26.913	44.333	91.8	2.11	31.9	121.7	1.257	1490.6	0.87
550.	546.1	7.490	7.435	34.568	27.017	27.009	44.483	90.5	2.08	31.0	112.9	1.315	1489.0	1.86
600.	595.7	7.066	7.009	34.574	27.082	27.074	44.586	90.2	2.08	30.7	107.0	1.370	1488.3	1.52
650.	645.3	6.953	6.890	34.576	27.100	27.092	44.615	91.4	2.10	31.0	106.0	1.423	1488.6	1.52
700.	694.8	6.636	6.570	34.579	27.146	27.137	44.690	91.6	2.11	30.8	102.0	1.475	1488.2	2.90
750.	744.4	6.228	6.160	34.583	27.203	27.194	44.785	92.3	2.12	30.8	96.7	1.525	1487.5	2.14
800.	793.9	5.911	5.840	34.585	27.245	27.236	44.857	93.3	2.15	30.9	92.9	1.572	1487.0	0.87
850.	843.4	5.451	5.379	34.589	27.305	27.296	44.960	95.1	2.19	31.1	87.0	1.616	1486.0	0.62
900.	892.9	5.293	5.217	34.589	27.324	27.315	44.995	95.6	2.20	31.2	85.5	1.659	1486.2	4.63
950.	942.4	5.128	5.048	34.592	27.346	27.337	45.033	96.7	2.22	31.4	83.8	1.701	1486.4	1.07
1000.	991.9	4.994	4.911	34.596	27.365	27.355	45.065	97.6	2.25	31.6	82.3	1.743	1486.7	0.00
fin	1012.	1003.8	4.939	4.855	34.598	27.373	27.364	45.079	97.7	2.25	81.5	1.753	1486.6	0.62

Vitesse verticale moyenne du son entre 2. et 1012. dbar : 1497.3 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

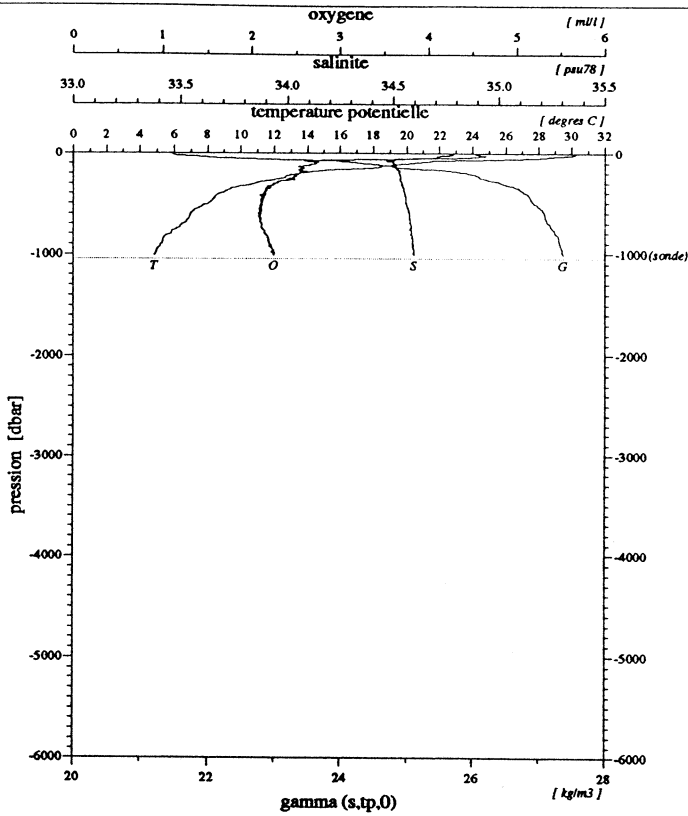


Diagramme salinite / oxygene

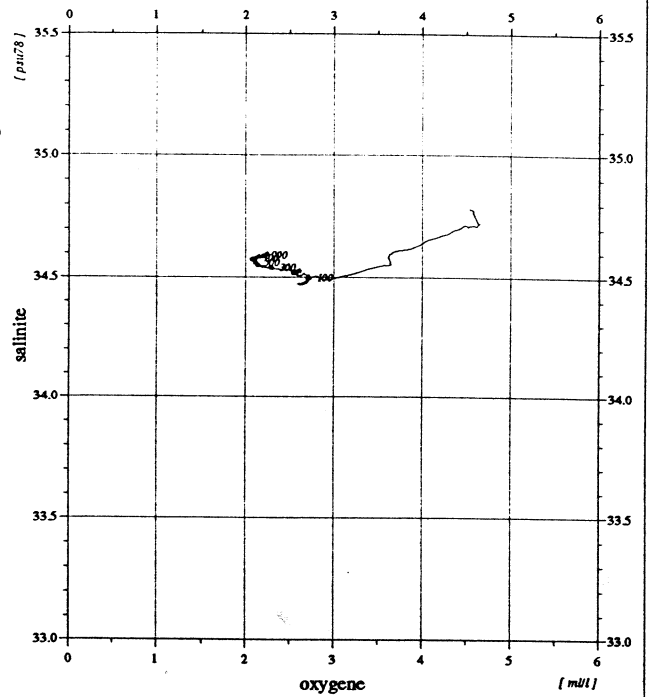


Diagramme temperature potentielle / salinite

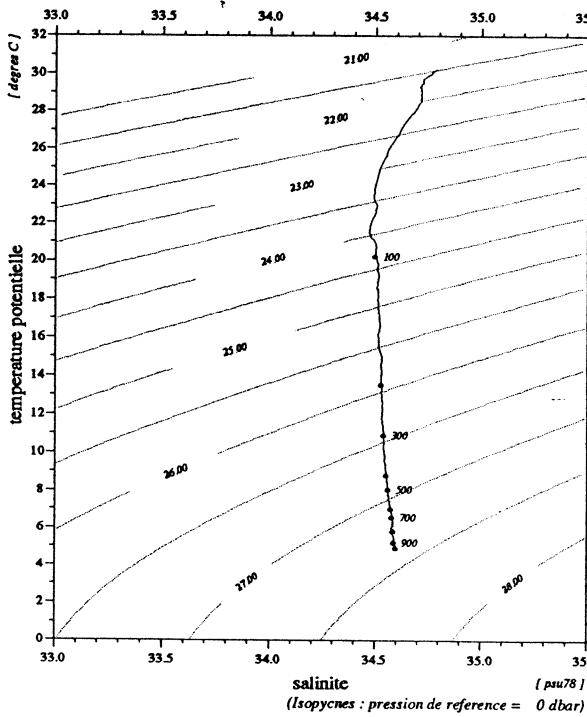
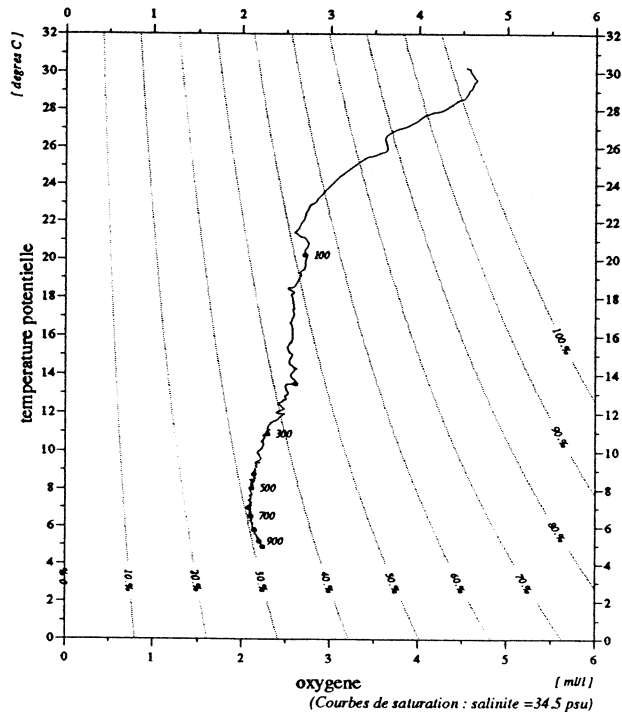


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1012
temperature	30.258	4.939
theta	30.257	4.855
salinite	34.785	34.598
gamma (s, tp, 0)	21.479	27.373
oxygene	4.54	2.25

Niveaux reduits a 1 dbar  
 Bathysonde : NEH-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1033 m (1042 dbar)	
12-3-1992	11.9' 4 S
18.18 tu	122.55' 4 E

MD71/JADE2

Station 82.00

94/01/24  
13:44:21

STATION-8210

1

JADE 92

station : 82.10

donnees reduites a 10 dbar

le 12/ 3/1992 a 19.54 tu -11.0935 122.5564 sonde: 1093 m (1102.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.241	30.241	34.786	21.486	21.483	37.513	195.7	4.47	102.8	630.8	0.000	1545.9	0.00
10.	9.9	30.213	30.211	34.769	21.483	21.480	37.512	196.6	4.50	103.3	631.4	0.050	1546.0	2.84
20.	19.9	29.982	29.977	34.762	21.558	21.554	37.597	201.5	4.61	105.5	624.7	0.113	1545.7	4.96
30.	29.8	28.771	28.763	34.674	21.900	21.896	37.993	203.6	4.66	104.5	592.4	0.174	1543.2	15.07
40.	39.8	27.231	27.222	34.640	22.378	22.373	38.542	178.1	4.08	89.1	547.1	0.231	1539.9	5.24
50.	49.7	26.079	26.068	34.567	22.687	22.682	38.908	158.5	3.63	77.8	517.9	0.284	1537.3	12.12
60.	59.6	24.136	24.124	34.493	23.223	23.217	39.542	126.5	2.90	60.1	467.0	0.333	1532.8	15.49
70.	69.6	22.099	22.085	34.508	23.821	23.816	40.250	125.5	2.88	57.5	410.1	0.376	1527.8	5.58
80.	79.5	21.515	21.500	34.479	23.962	23.956	40.424	117.1	2.68	53.1	397.1	0.416	1526.3	9.35
90.	89.5	20.737	20.720	34.499	24.189	24.184	40.695	119.3	2.73	53.4	375.7	0.455	1524.4	5.47
100.	99.4	20.392	20.374	34.499	24.282	24.275	40.808	117.5	2.69	52.3	367.2	0.492	1523.7	8.08
110.	109.3	19.486	19.466	34.508	24.527	24.521	41.107	116.8	2.68	51.1	344.1	0.528	1521.3	6.95
120.	119.3	19.081	19.060	34.513	24.635	24.629	41.240	116.4	2.67	50.6	334.1	0.561	1520.3	6.25
130.	129.2	18.635	18.612	34.514	24.749	24.742	41.381	114.4	2.62	49.3	323.6	0.594	1519.2	5.97
140.	139.2	18.337	18.312	34.514	24.824	24.817	41.475	111.7	2.56	47.9	316.7	0.626	1518.5	3.61
150.	149.1	17.842	17.817	34.512	24.944	24.937	41.626	110.5	2.54	46.9	305.5	0.658	1517.3	8.60
160.	159.0	16.805	16.779	34.525	25.203	25.195	41.951	113.3	2.60	47.2	281.1	0.686	1514.4	2.97
170.	169.0	16.371	16.344	34.521	25.302	25.294	42.079	112.2	2.58	46.3	271.9	0.714	1513.2	11.06
180.	178.9	15.426	15.398	34.521	25.515	25.508	42.357	110.0	2.53	44.6	251.6	0.740	1510.4	7.88
190.	188.8	14.628	14.600	34.530	25.697	25.690	42.594	110.3	2.53	44.0	234.4	0.765	1508.1	5.74
200.	198.8	13.948	13.919	34.525	25.838	25.831	42.784	110.2	2.53	43.4	221.1	0.788	1506.1	10.43
220.	218.6	12.872	12.842	34.530	26.061	26.054	43.086	107.7	2.47	41.5	200.1	0.830	1502.8	5.03
240.	238.5	12.431	12.399	34.530	26.148	26.141	43.206	105.9	2.43	40.4	192.2	0.869	1501.7	5.94
260.	258.4	11.471	11.438	34.533	26.332	26.326	43.465	101.3	2.33	37.9	174.8	0.906	1498.7	4.91
280.	278.2	11.088	11.053	34.539	26.407	26.401	43.570	98.5	2.26	36.6	168.0	0.940	1497.7	0.62
300.	298.1	10.785	10.748	34.538	26.461	26.454	43.648	95.7	2.20	35.3	163.2	0.973	1497.0	4.42
320.	317.9	10.195	10.158	34.540	26.566	26.559	43.800	93.8	2.16	34.2	153.4	1.005	1495.2	6.12
340.	337.8	9.884	9.845	34.545	26.623	26.616	43.883	93.9	2.16	34.0	148.2	1.035	1494.5	2.05
360.	357.6	9.785	9.744	34.546	26.641	26.634	43.909	92.8	2.13	33.5	146.9	1.064	1494.4	1.52
380.	377.5	9.458	9.415	34.548	26.697	26.690	43.993	91.3	2.10	32.7	141.7	1.093	1493.6	0.87
400.	397.3	9.283	9.238	34.549	26.727	26.719	44.037	91.5	2.10	32.7	139.3	1.121	1493.3	1.96
420.	417.2	8.991	8.945	34.552	26.776	26.768	44.111	91.3	2.10	32.4	134.7	1.148	1492.5	2.05
440.	437.0	8.673	8.625	34.553	26.827	26.820	44.190	91.4	2.10	32.2	130.0	1.175	1491.7	2.90
460.	456.9	8.479	8.430	34.556	26.860	26.852	44.239	91.3	2.10	32.0	127.1	1.200	1491.3	1.52
480.	476.7	8.272	8.222	34.556	26.892	26.885	44.290	90.1	2.07	31.4	124.2	1.226	1490.8	2.77
500.	496.6	8.089	8.038	34.560	26.923	26.915	44.336	90.3	2.08	31.4	121.6	1.250	1490.5	2.62
550.	546.1	7.510	7.456	34.567	27.014	27.006	44.478	90.9	2.09	31.2	113.2	1.309	1489.1	0.87
600.	595.7	7.041	6.983	34.574	27.086	27.077	44.592	90.1	2.07	30.6	106.7	1.364	1488.2	1.38
650.	645.3	6.859	6.797	34.577	27.114	27.105	44.637	90.2	2.08	30.5	104.6	1.417	1488.3	0.87
700.	694.8	6.359	6.295	34.583	27.185	27.177	44.754	91.7	2.11	30.7	97.9	1.467	1487.2	1.96
750.	744.4	6.056	5.988	34.583	27.225	27.216	44.823	92.3	2.12	30.6	94.4	1.515	1486.8	2.31
800.	793.9	5.649	5.580	34.585	27.277	27.269	44.914	92.9	2.14	30.5	89.4	1.561	1486.0	3.44
850.	843.4	5.428	5.356	34.590	27.309	27.300	44.966	95.2	2.19	31.1	86.7	1.605	1485.9	0.62
900.	892.9	5.287	5.211	34.592	27.327	27.318	44.998	96.3	2.21	31.4	85.3	1.648	1486.2	0.87
950.	942.4	5.085	5.006	34.594	27.353	27.343	45.044	97.2	2.24	31.5	83.0	1.690	1486.2	0.62
1000.	991.9	4.957	4.873	34.597	27.370	27.360	45.074	97.5	2.24	31.5	81.7	1.732	1486.5	1.07
fin	1049.	1040.4	4.860	4.774	34.597	27.382	27.372	45.095	99.2	2.28	80.9	1.771	1486.9	0.00

Vitesse verticale moyenne du son entre 2. et 1049. dbar : 1496.8 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

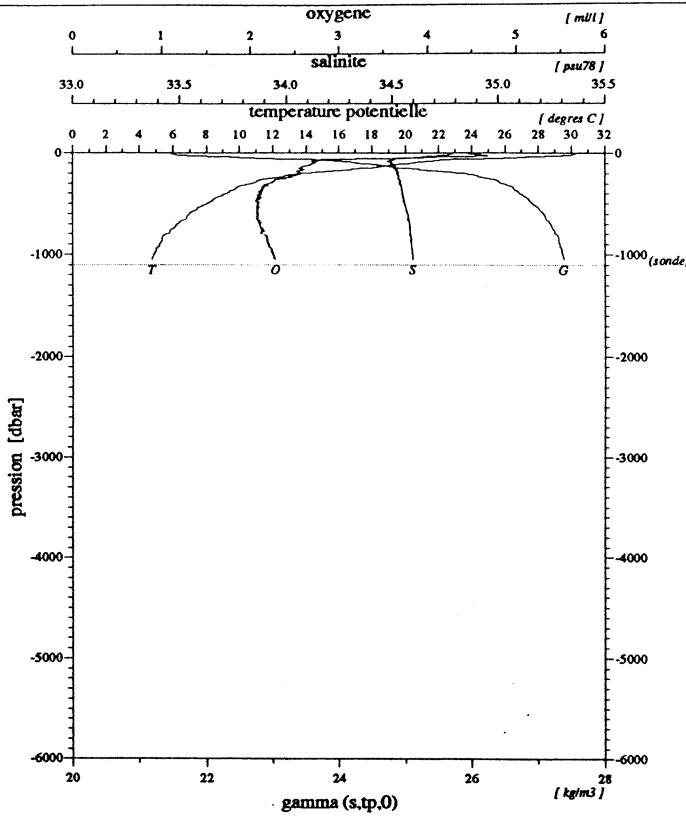


Diagramme salinite / oxygene

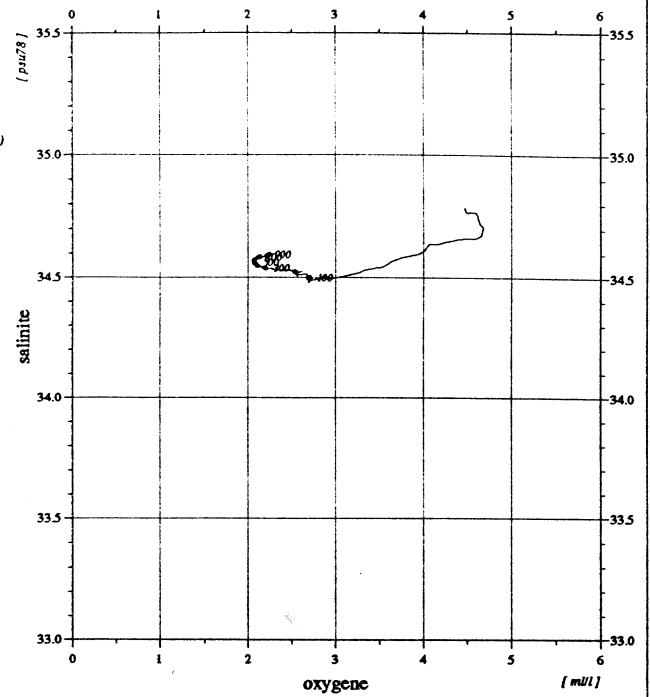


Diagramme temperature potentielle / salinite

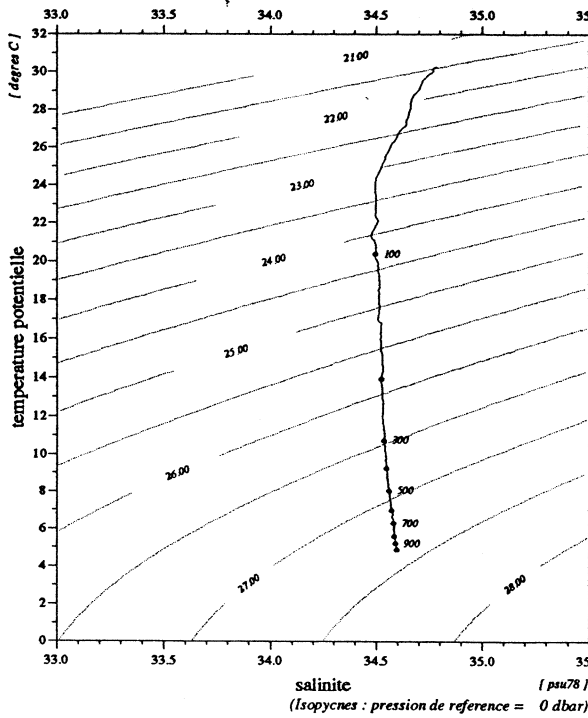
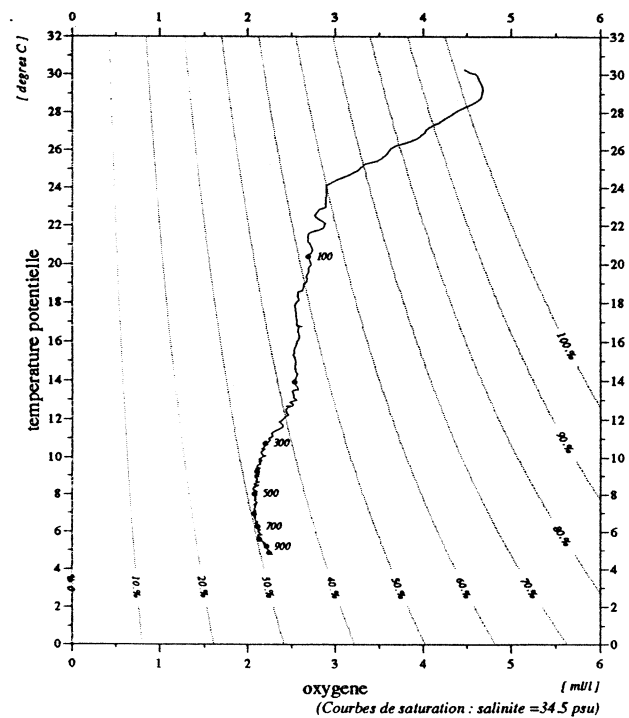


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1049
temperature	30.241	4.860
theta	30.241	4.774
salinite	34.786	34.597
gamma (s,tp,0)	21.486	27.382
oxygene	4.47	2.28

Niveaux reduits a 1 dbar  
 Bathysonde : NEH-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1093 m (1102 dbar)	
12-3-1992	11.9' 3 S
19.54 tu	122.55' 6 E

MD71/JADE2

Station 82.10

94/01/24  
13:44:26

# STATION-8220

1

JADE 92

station : 82.20

donnees reduites a 10 dbar

le 12/ 3/1992 a 20.56 tu -11.0943 122.5577 sonde: 1212 m (1223.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son) (cph)	bva
2.	2.0	30.296	30.295	34.757	21.446	21.443	37.471	188.4	4.31	99.1	634.6	0.000	1546.0	0.00
10.	9.9	30.106	30.104	34.769	21.520	21.517	37.553	190.8	4.36	100.0	627.9	0.051	1545.8	5.41
20.	19.9	29.999	29.994	34.763	21.553	21.549	37.591	191.9	4.39	100.5	625.2	0.113	1545.7	3.72
30.	29.8	28.859	28.852	34.689	21.882	21.877	37.971	198.9	4.55	102.2	594.1	0.174	1543.4	9.51
40.	39.8	26.894	26.884	34.600	22.455	22.451	38.636	165.7	3.79	82.4	539.6	0.231	1539.1	12.51
50.	49.7	25.823	25.812	34.555	22.758	22.752	38.991	158.2	3.62	77.3	511.1	0.283	1536.7	10.55
60.	59.6	24.587	24.574	34.511	23.102	23.097	39.398	139.1	3.19	66.6	478.5	0.333	1533.9	12.93
70.	69.6	22.116	22.102	34.505	23.814	23.809	40.242	126.3	2.90	58.0	410.8	0.376	1527.8	9.87
80.	79.5	21.568	21.553	34.487	23.954	23.948	40.413	118.4	2.71	53.8	397.8	0.417	1526.5	6.44
90.	89.5	21.116	21.099	34.491	24.081	24.075	40.565	116.0	2.66	52.3	386.1	0.456	1525.5	3.50
100.	99.4	20.495	20.477	34.502	24.257	24.250	40.777	116.1	2.66	51.7	369.6	0.493	1523.9	2.63
110.	109.3	20.115	20.095	34.510	24.364	24.358	40.907	117.1	2.69	51.9	359.7	0.530	1523.1	4.92
120.	119.3	19.537	19.515	34.510	24.516	24.509	41.093	115.2	2.64	50.5	345.5	0.565	1521.6	8.26
130.	129.2	18.552	18.529	34.507	24.764	24.758	41.402	111.6	2.56	48.0	322.1	0.599	1519.0	3.77
140.	139.2	17.581	17.558	34.511	25.006	25.000	41.705	113.3	2.60	47.9	299.2	0.630	1516.3	11.32
150.	149.1	16.713	16.689	34.522	25.221	25.215	41.976	111.6	2.56	46.4	278.9	0.659	1513.9	4.42
160.	159.0	16.645	16.619	34.528	25.243	25.235	42.002	113.0	2.59	46.9	277.2	0.686	1513.9	2.05
170.	169.0	15.840	15.813	34.521	25.423	25.416	42.236	111.8	2.57	45.7	260.2	0.714	1511.6	9.20
180.	178.9	15.271	15.244	34.524	25.552	25.545	42.404	107.7	2.47	43.5	248.1	0.739	1510.0	7.63
190.	188.8	14.525	14.497	34.533	25.722	25.715	42.626	110.1	2.53	43.9	232.0	0.763	1507.8	2.23
200.	198.8	13.798	13.770	34.520	25.865	25.858	42.822	109.7	2.52	43.1	218.5	0.786	1505.6	9.63
220.	218.6	12.758	12.728	34.525	26.079	26.073	43.113	109.0	2.50	41.9	198.3	0.827	1502.5	7.06
240.	238.5	11.943	11.912	34.526	26.238	26.232	43.334	101.8	2.34	38.5	183.4	0.866	1500.0	7.08
260.	258.4	11.234	11.202	34.537	26.379	26.372	43.529	98.1	2.25	36.5	170.3	0.901	1497.9	3.09
280.	278.2	11.045	11.010	34.539	26.415	26.408	43.581	96.8	2.22	35.9	167.2	0.935	1497.6	1.64
300.	298.1	10.558	10.522	34.541	26.504	26.497	43.709	94.7	2.18	34.8	159.0	0.968	1496.2	2.63
320.	317.9	10.257	10.220	34.537	26.553	26.546	43.782	93.1	2.14	34.0	154.6	0.999	1495.5	4.67
340.	337.8	9.866	9.826	34.546	26.627	26.620	43.888	93.0	2.14	33.6	147.9	1.029	1494.4	1.52
360.	357.6	9.659	9.618	34.544	26.661	26.654	43.940	92.4	2.12	33.2	144.9	1.058	1494.0	3.44
380.	377.5	9.415	9.372	34.548	26.704	26.697	44.004	91.5	2.10	32.8	141.0	1.087	1493.4	1.38
400.	397.3	9.167	9.123	34.549	26.745	26.738	44.066	91.1	2.09	32.4	137.4	1.115	1492.8	2.47
420.	417.2	8.939	8.893	34.552	26.785	26.777	44.124	91.5	2.10	32.4	133.9	1.142	1492.3	1.38
440.	437.0	8.696	8.648	34.553	26.824	26.817	44.185	91.2	2.10	32.2	130.3	1.168	1491.8	2.14
460.	456.9	8.557	8.509	34.556	26.848	26.840	44.220	90.6	2.08	31.8	128.4	1.194	1491.6	0.62
480.	476.7	8.432	8.382	34.556	26.868	26.860	44.251	90.5	2.08	31.7	126.7	1.220	1491.4	2.40
500.	496.6	8.258	8.206	34.558	26.896	26.888	44.294	90.8	2.09	31.7	124.3	1.245	1491.1	1.24
550.	546.1	7.722	7.666	34.563	26.980	26.972	44.426	91.5	2.10	31.5	116.7	1.305	1489.9	1.96
600.	595.7	7.169	7.111	34.571	27.066	27.058	44.561	90.8	2.09	30.9	108.7	1.361	1488.6	1.07
650.	645.3	6.862	6.801	34.578	27.114	27.105	44.637	90.8	2.09	30.7	104.6	1.414	1488.3	1.07
700.	694.8	6.398	6.334	34.583	27.180	27.171	44.746	91.5	2.11	30.6	98.4	1.465	1487.3	2.47
750.	744.4	6.034	5.966	34.583	27.228	27.219	44.827	92.5	2.13	30.7	94.1	1.514	1486.7	1.52
800.	793.9	5.761	5.691	34.580	27.260	27.251	44.885	94.0	2.16	31.0	91.3	1.560	1486.4	3.09
850.	843.4	5.416	5.343	34.589	27.309	27.301	44.968	94.7	2.18	31.0	86.6	1.604	1485.9	1.07
900.	892.9	5.277	5.200	34.592	27.328	27.319	45.000	95.6	2.20	31.2	85.1	1.647	1486.1	1.07
950.	942.4	5.080	5.001	34.595	27.354	27.345	45.046	96.8	2.23	31.4	82.9	1.689	1486.2	0.00
1000.	991.9	4.935	4.852	34.597	27.373	27.364	45.079	97.8	2.25	31.6	81.4	1.730	1486.4	0.87
1100.	1090.9	4.760	4.669	34.601	27.396	27.386	45.120	99.2	2.28	31.9	79.9	1.811	1487.4	0.87
fin	1145.	1135.4	4.520	4.427	34.605	27.427	27.416	100.4	2.31	32.1	76.9	1.846	1487.1	1.38

Vitesse verticale moyenne du son entre 2. et 1145. dbar : 1496.0 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

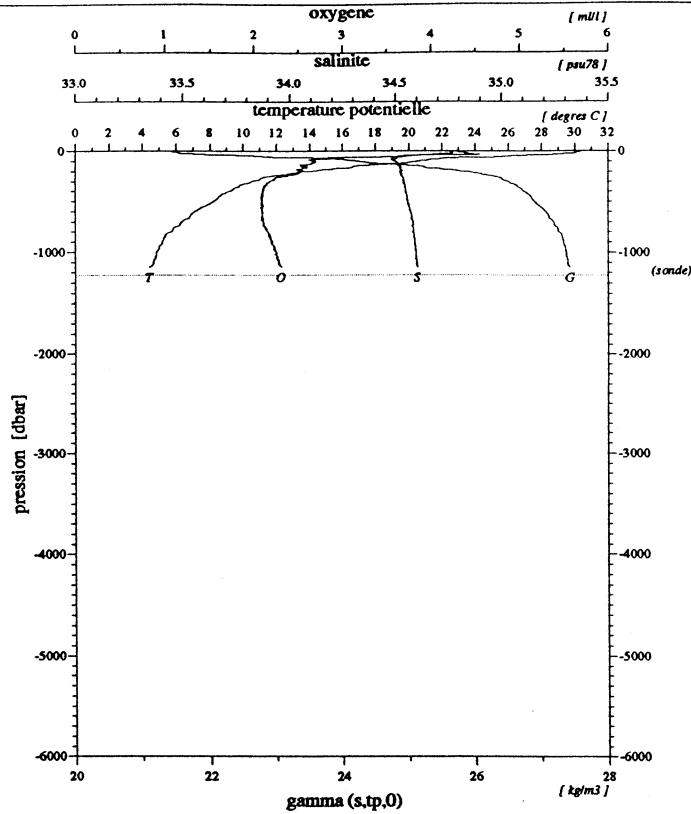


Diagramme salinite / oxygene

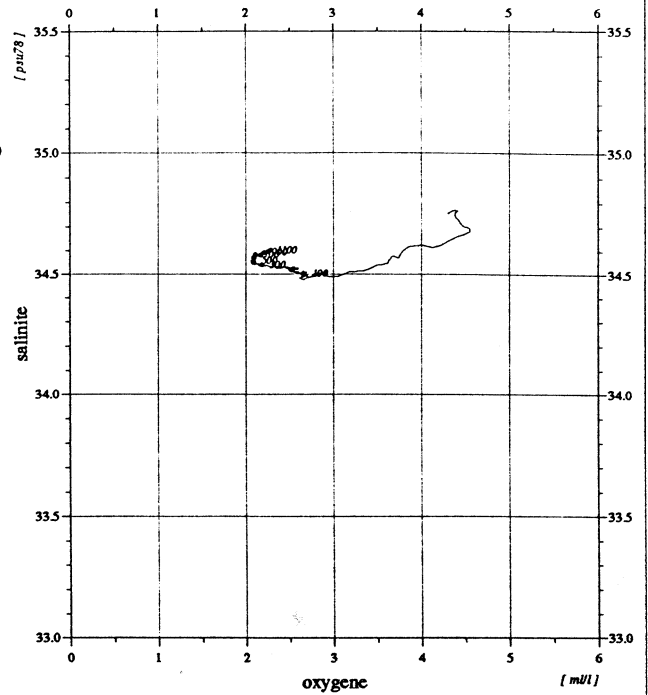


Diagramme temperature potentielle / salinite

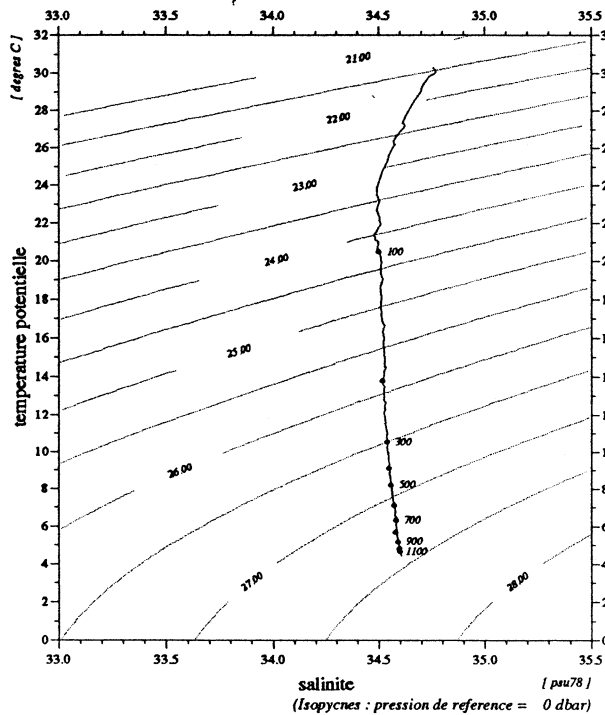
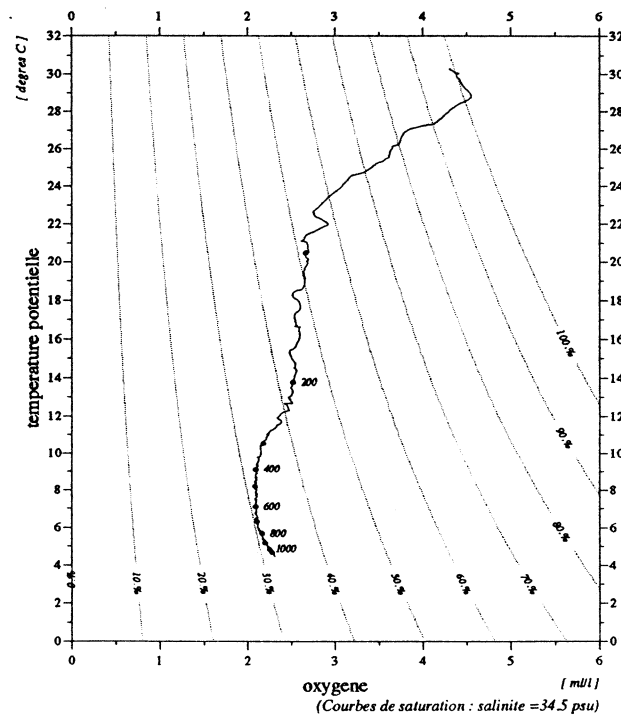


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1145.
temperature	30.296	4.520
theta	30.295	4.427
salinite	34.757	34.605
gamma (s,tp,0)	21.446	27.427
oxygene	4.31	2.31

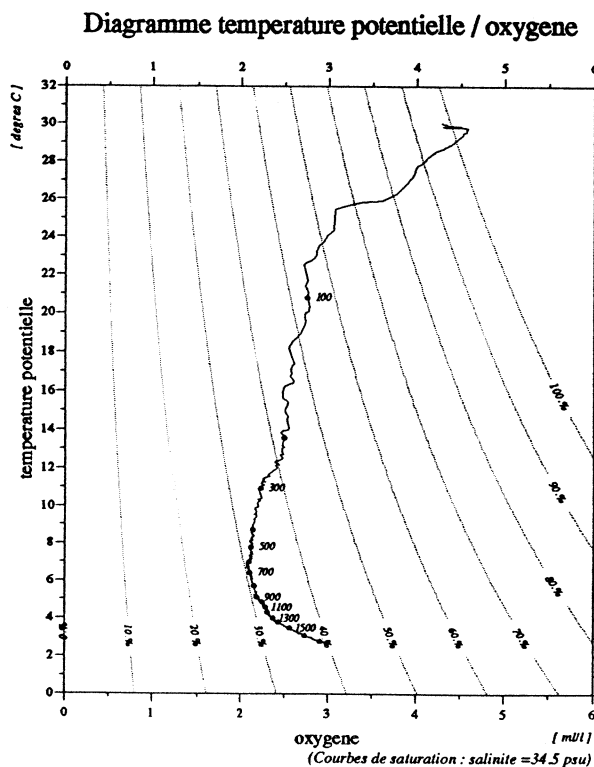
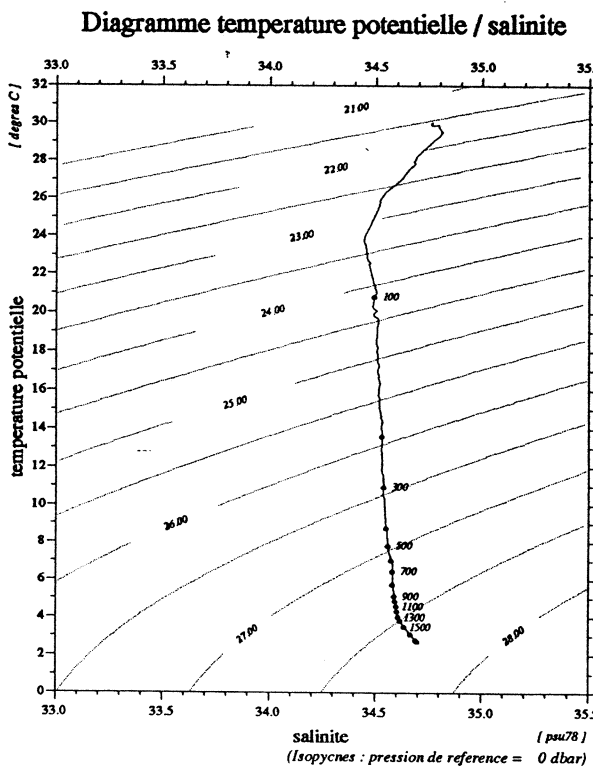
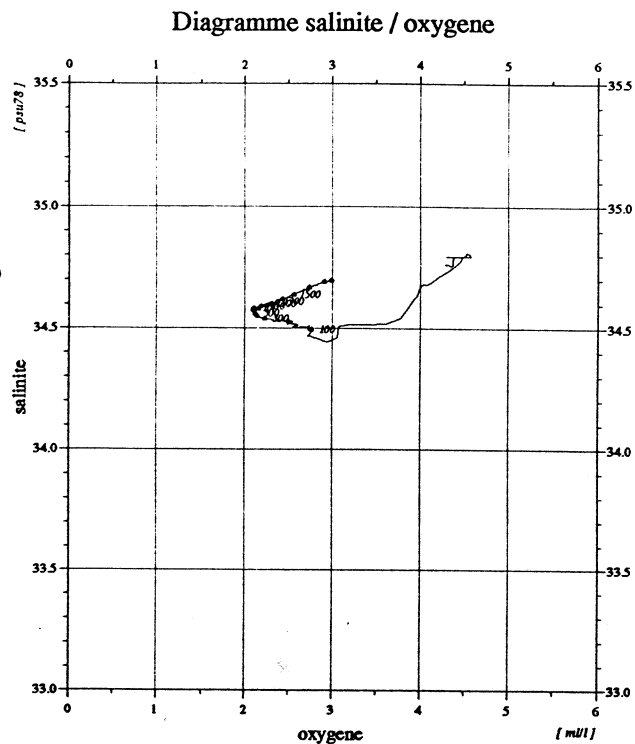
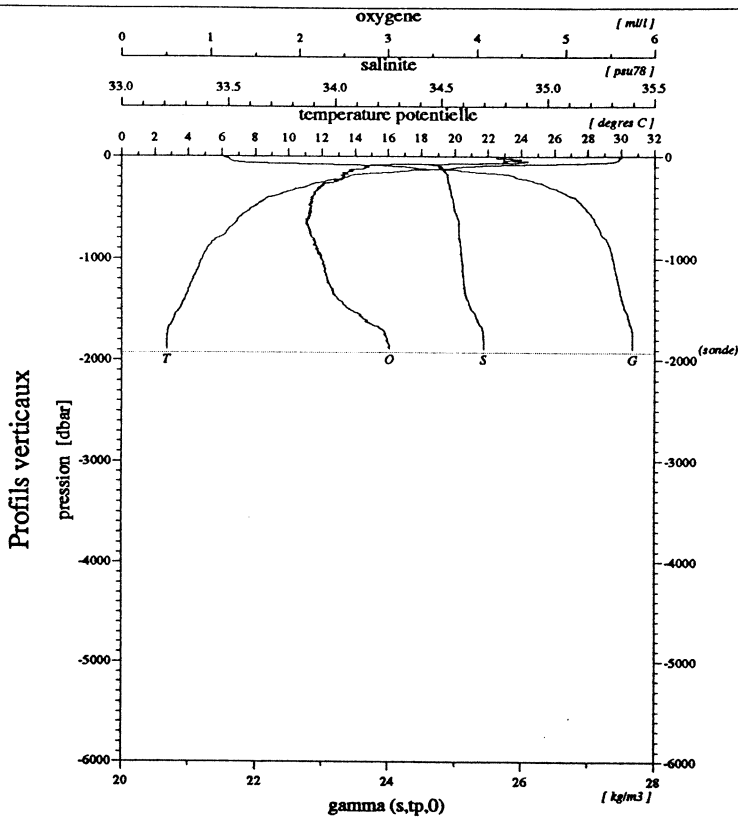
Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1212 m ( 1223 dbar)	
12- 3-1992	11. 9' 4 S
20.56 tu	122.55' 7 E

MD71/JADE2

Station 82.20





	debut	fin
pression	2	1893
temperature	30.018	2.844
theta	30.018	2.704
salinite	34.764	34.696
gamma (s,tp,0)	21.546	27.670
oxygene	4.29	3.02

Niveaux reduits a 1 dbar  
Bathysonde : NEH-BROWN type Mark III no 01-1116  
01/02/94

sonde 1904 m ( 1924 dbar )	
11- 3-1992	11.15° 0 S
14.24 tu	122.57° 1 E

MD71/JADE2

Station 33.10



Profils verticaux

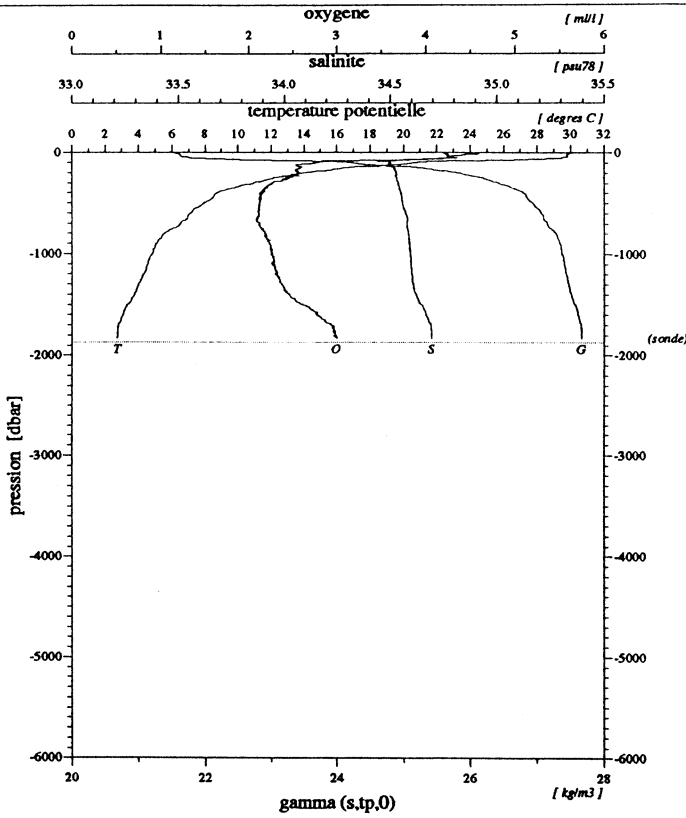


Diagramme salinite / oxygene

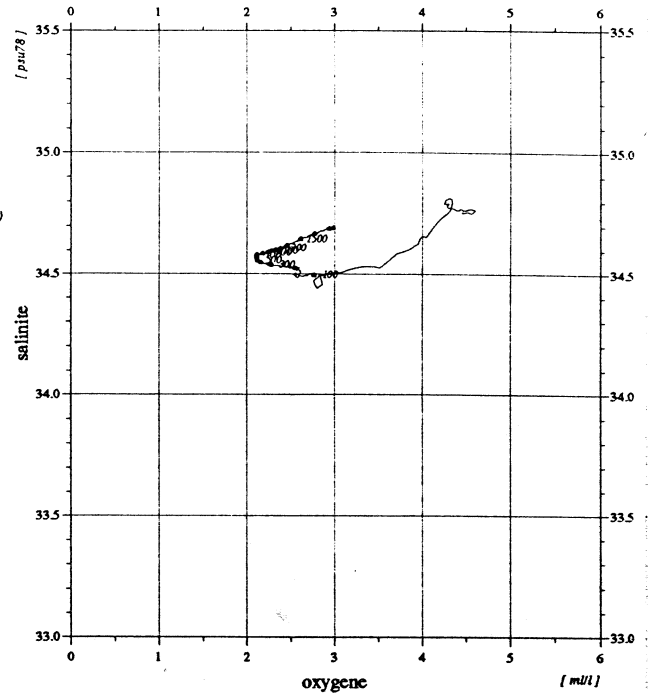


Diagramme temperature potentielle / salinite

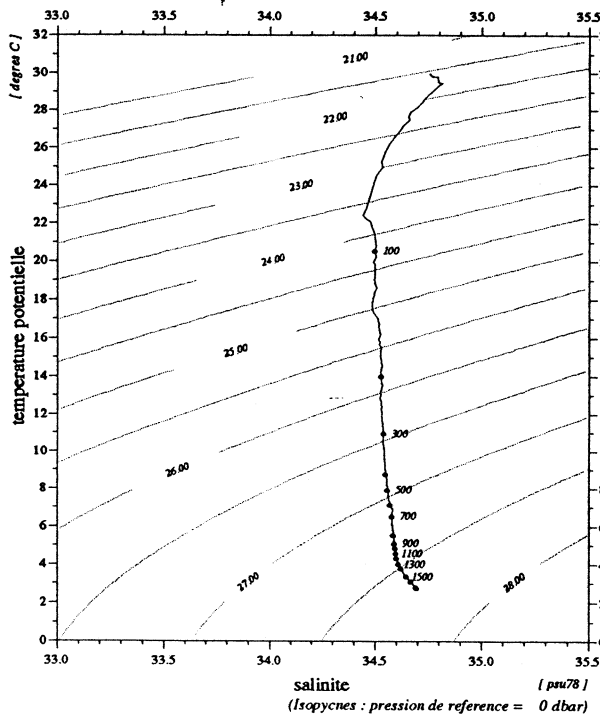
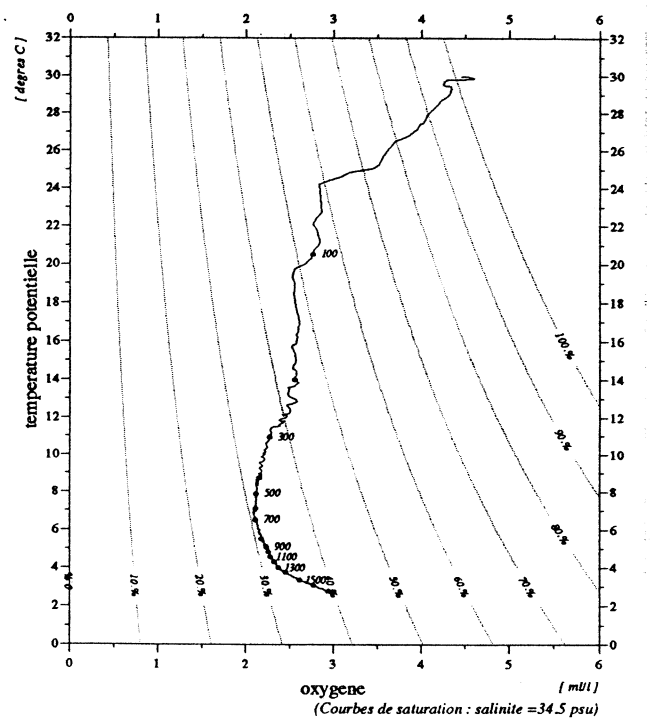


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1833
temperature	29.955	2.865
theta	29.955	2.730
salinite	34.757	34.694
gamma (s,tp,0)	21.562	27.665
oxygene	4.46	3.00

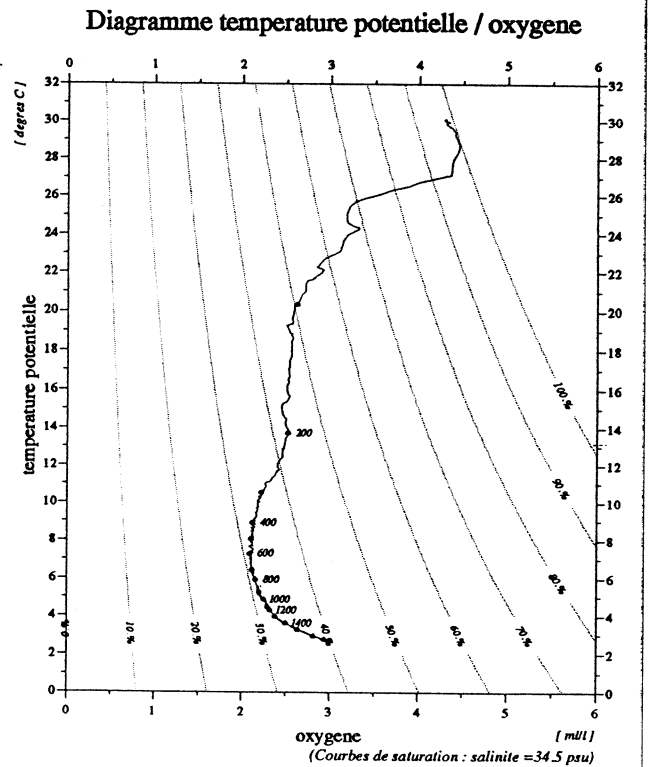
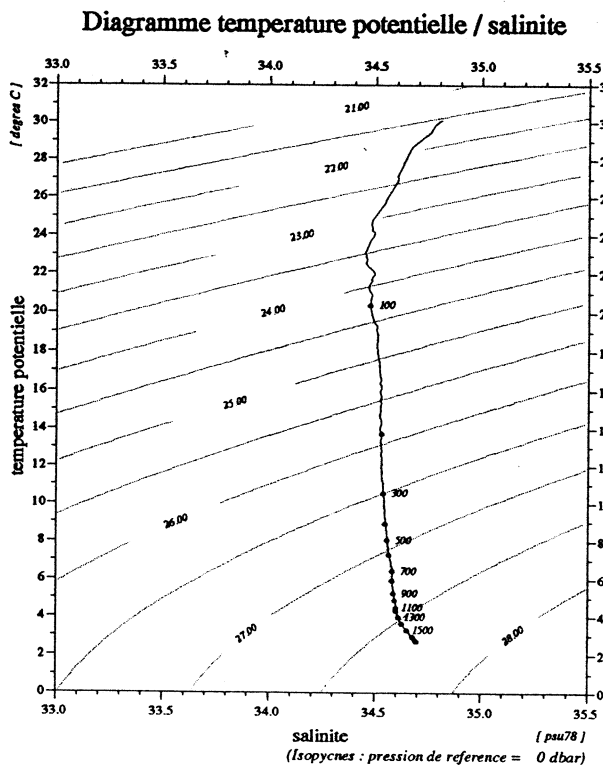
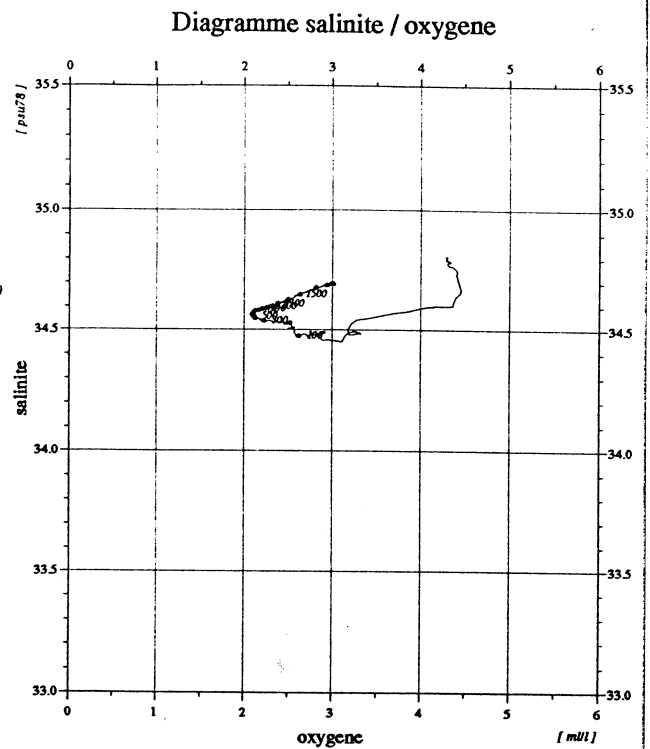
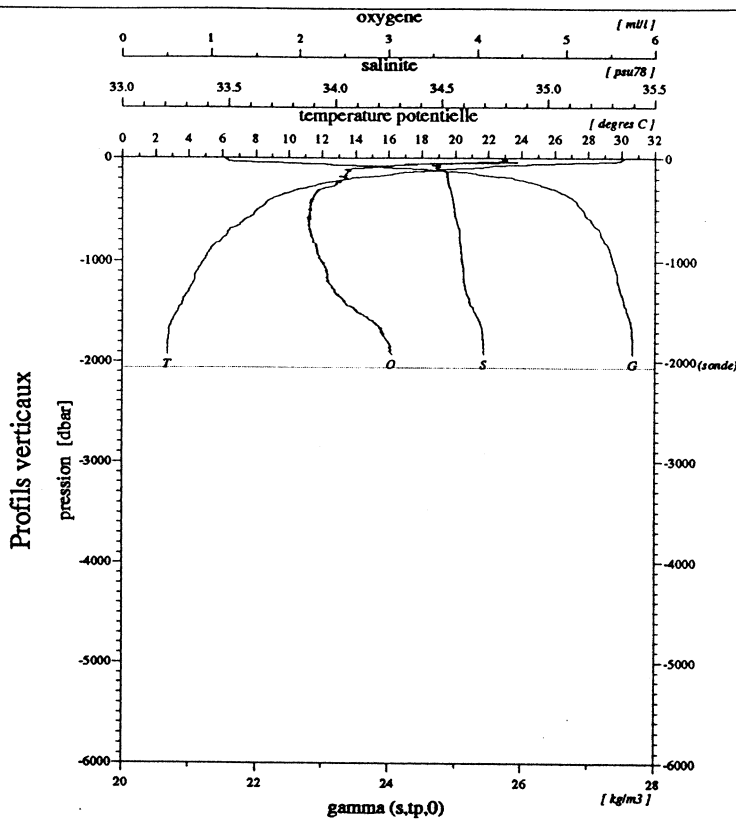
Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1852 m (1871 dbar)	
11- 3-1992	11.15' 0 S
17.04 tu	122.58' 4 E

MD71/JADE2

Station 33.20





	debut	fin
pression	2	1925
temperature	30.103	2.849
theta	30.103	2.706
salinite	34.810	34.696
gamma (s.tp,0)	21.551	27.669
oxygene	4.30	3.03

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 2038 m ( 2060 dbar )	
12- 3-1992	11.13' 8 S
23.17 tu	122.58' 3 E

MD71/JADE2

Station 33.30





Profils verticaux

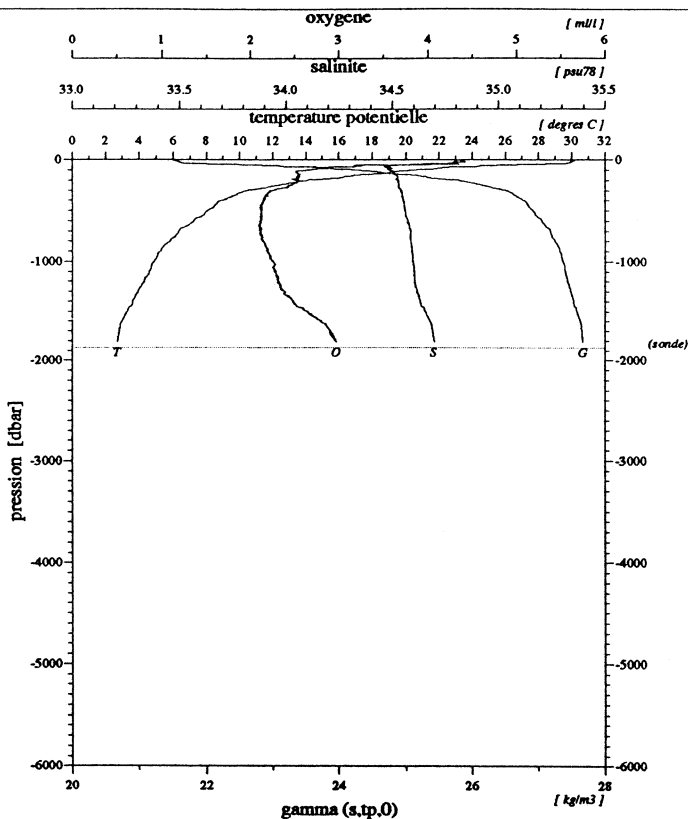


Diagramme salinite / oxygene

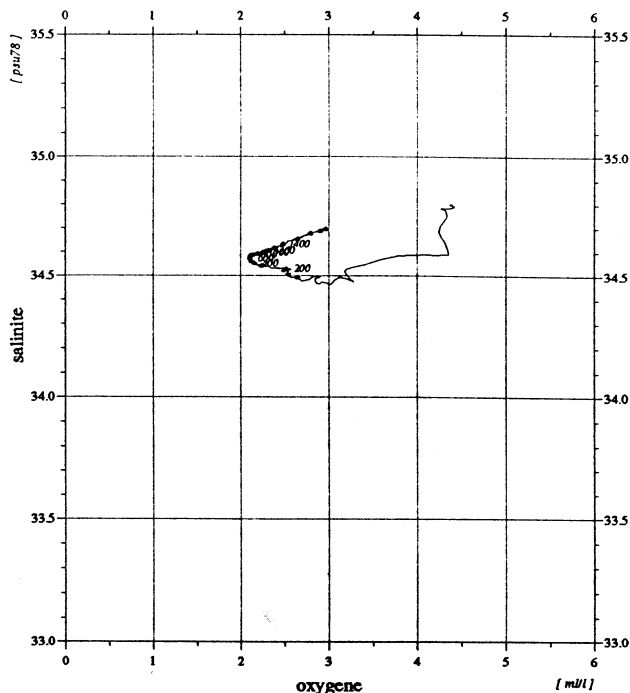


Diagramme temperature potentielle / salinite

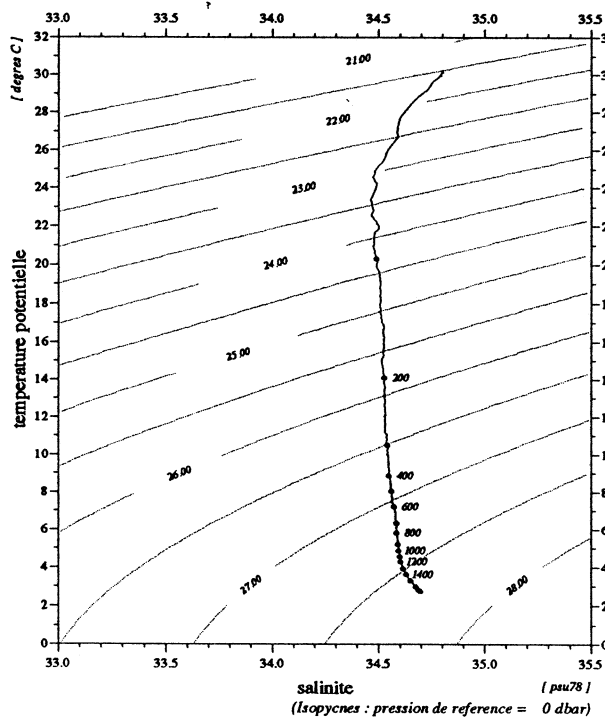
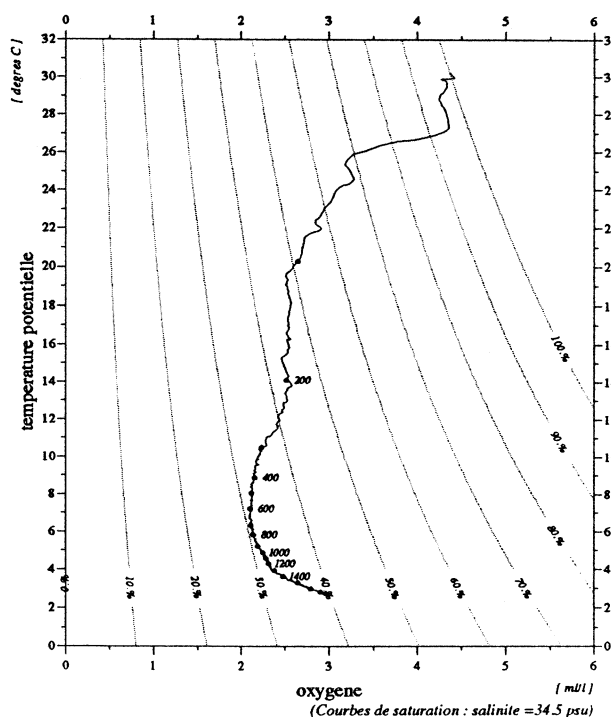


Diagramme temperature potentielle / oxygene



	debut	fin
pression	4.	1815.
temperature	30.202	2.861
theta	30.201	2.728
salinite	34.801	34.696
gamma (s,tp,0)	21.510	27.667
oxygene	4.37	2.98

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1852 m (1871 dbar)	
13- 3-1992	11.13' 5 S
0.30 tu	122.57' 6 E

MD71/JADE2

Station 33.40



Profils verticaux

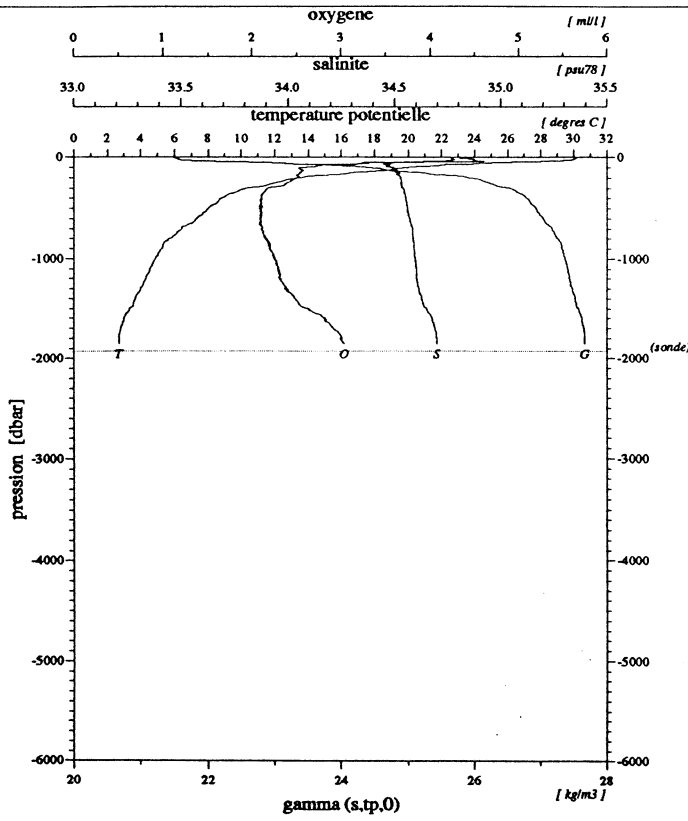


Diagramme salinite / oxygene

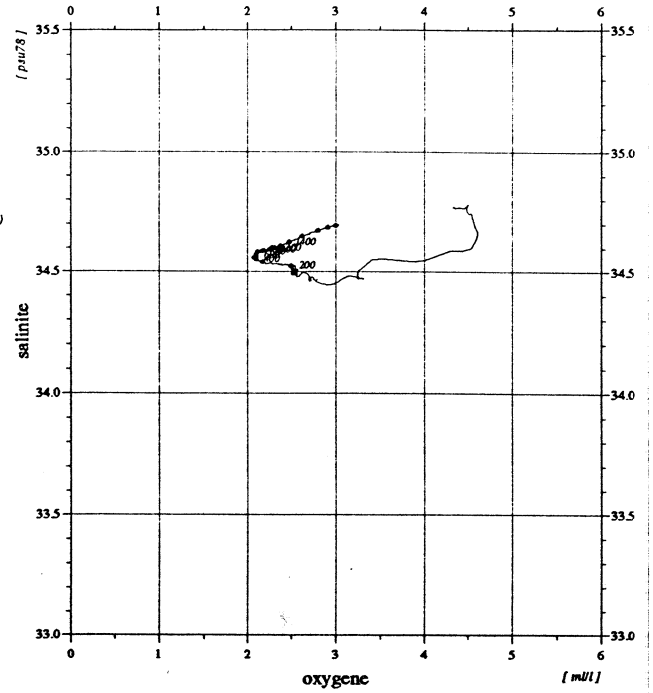


Diagramme temperature potentielle / salinite

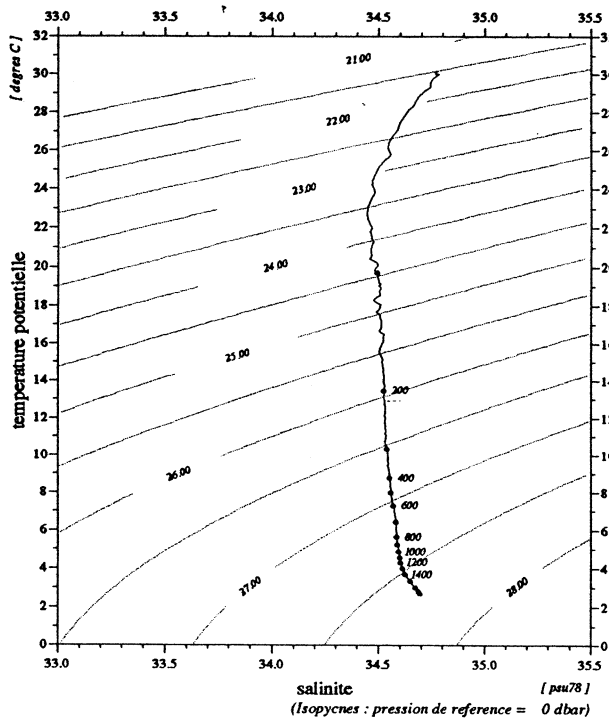
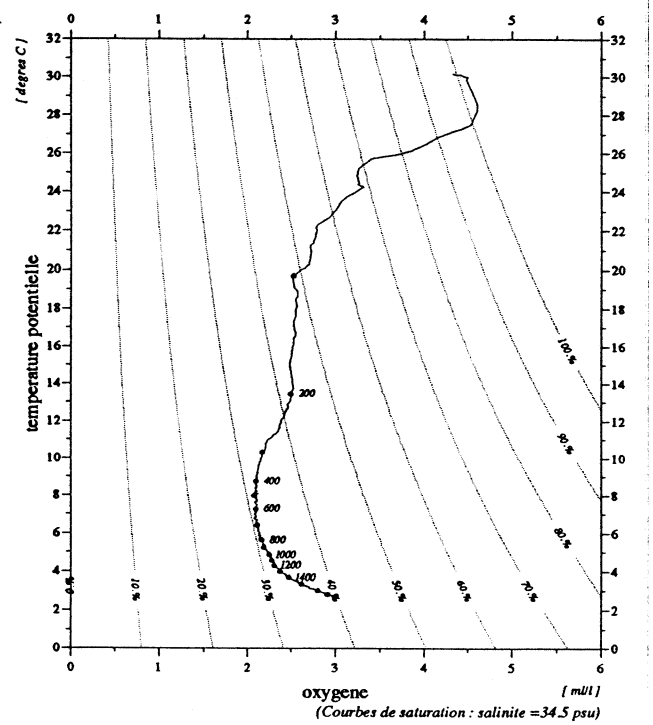


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1855
temperature	30.194	2.839
theta	30.193	2.703
salinite	34.773	34.696
gamma (s,tp,0)	21.492	27.669
oxygene	4.33	3.04

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1904 m ( 1924 dbar)	
13- 3-1992	11.13' 9 S
3.01 tu	122.57' 5 E

MD71/JADE2

Station 33.50



Profils verticaux

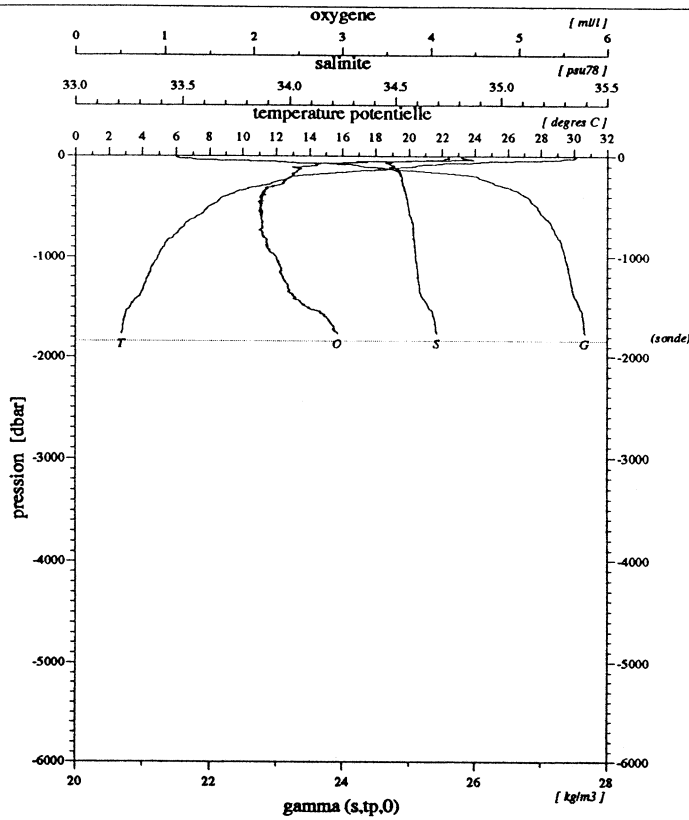


Diagramme salinite / oxygene

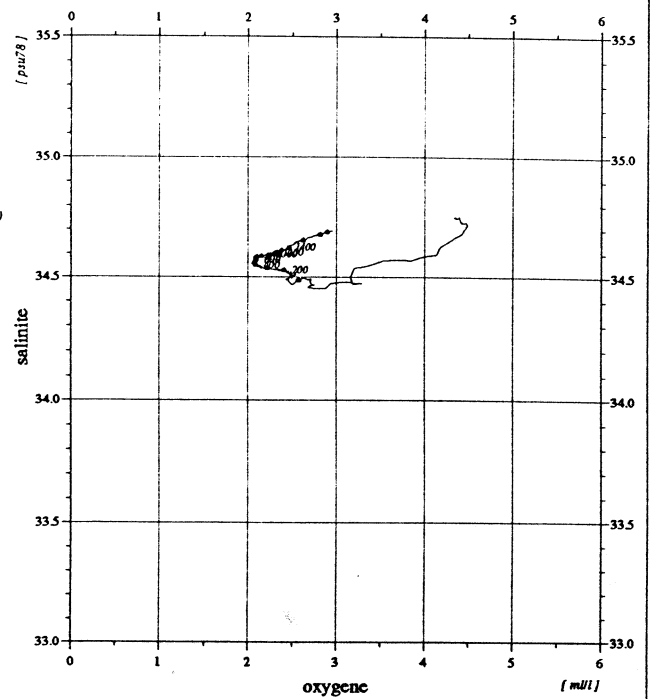


Diagramme temperature potentielle / salinite

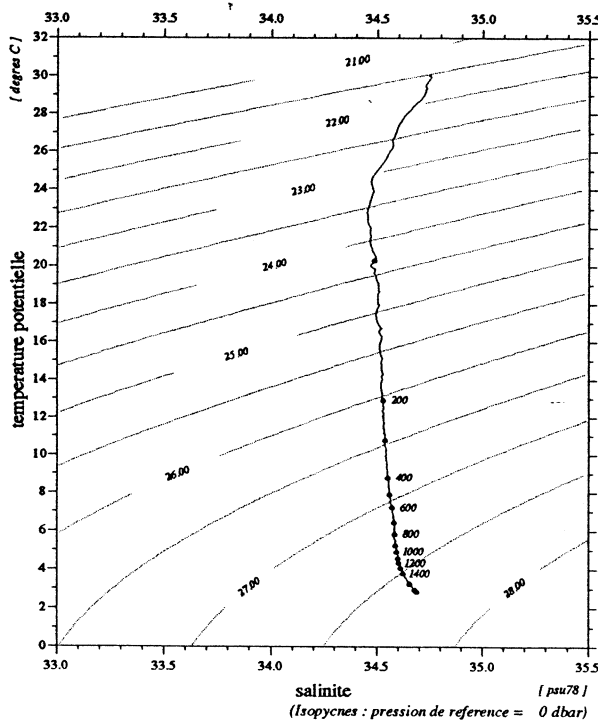
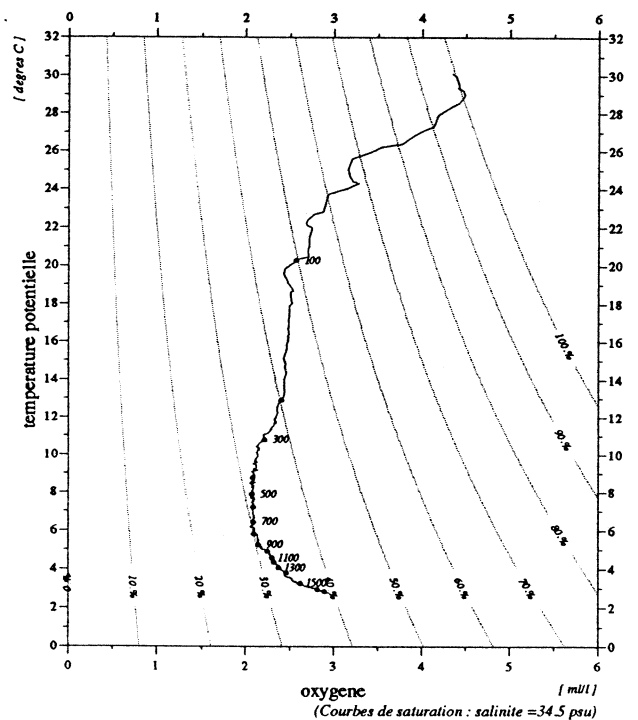


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1766
temperature	30.094	2.897
theta	30.094	2.768
salinite	34.752	34.693
gamma (s,tp,0)	21.511	27.661
oxygene	4.35	2.95

Niveaux reduits a 1 dbar  
 Bathysonde : NEEL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1822 m ( 1840 dbar)	
13- 3-1992	11.13' 2 S
4.25 tu	122.56' 2 E

MD71/JADE2

Station 33.60



Profils verticaux

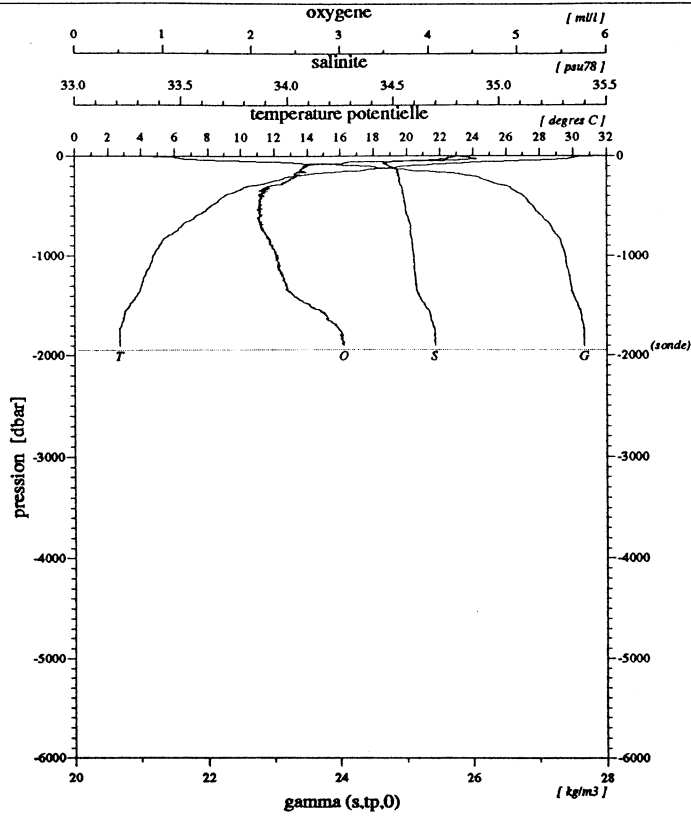


Diagramme salinite / oxygene

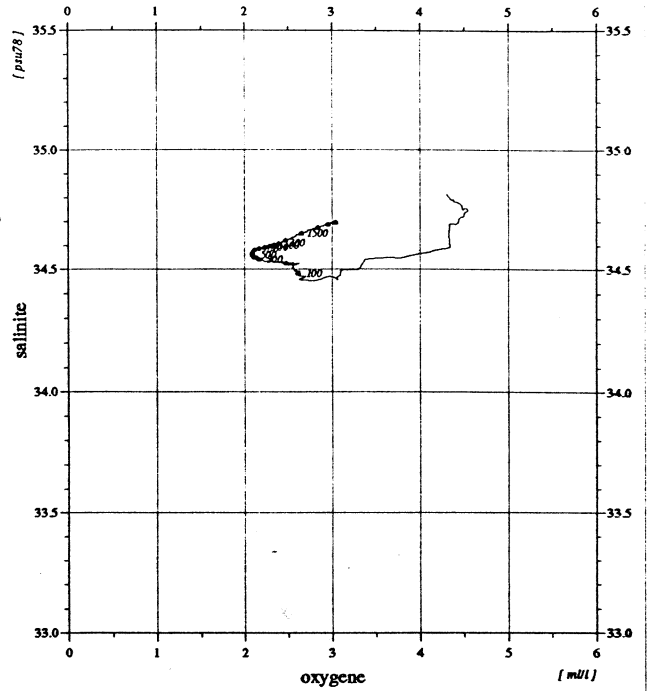


Diagramme temperature potentielle / salinite

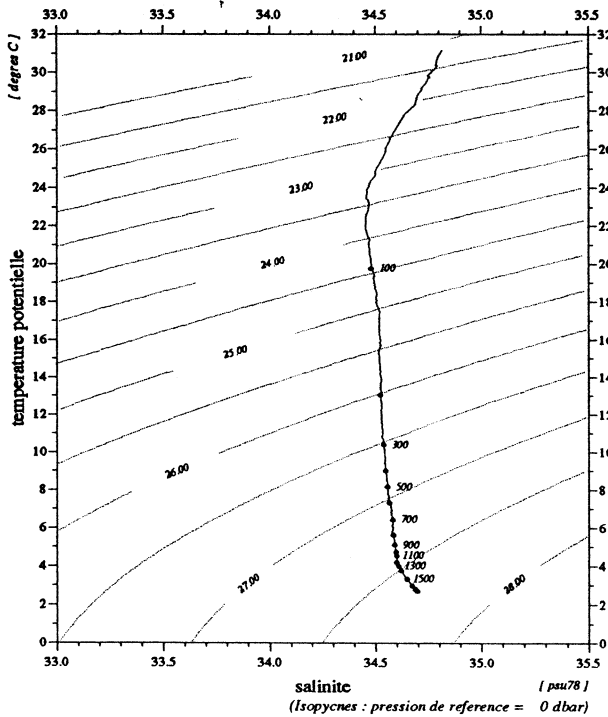
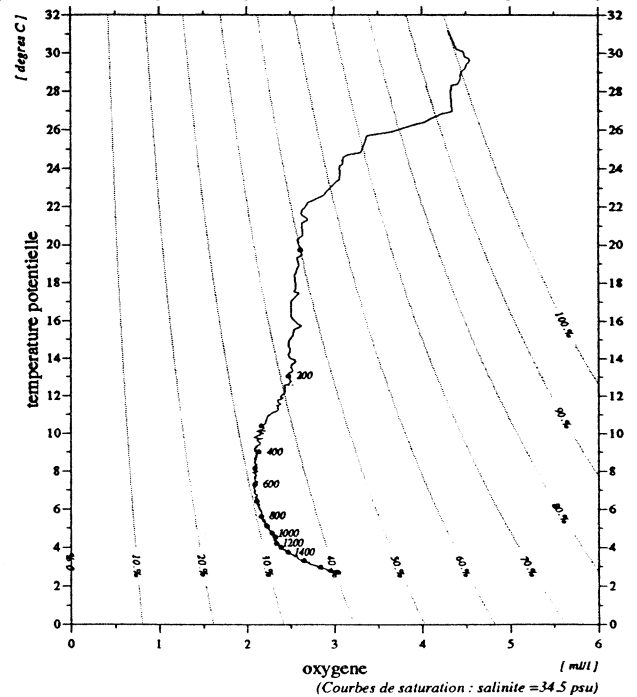


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1907.
temperature	31.155	2.842
theta	31.154	2.701
salinite	34.815	34.696
gamma (s,tp,0)	21.191	27.669
oxygene	4.30	3.04

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1926 m ( 1946 dbar)	
13- 3-1992	11.13' 7 S
6.57 tu	122.58' 1 E

MD71/JADE2

Station 33.70

94/01/24  
13:43:33

# STATION-3410

1

JADE 92

station : 34.10

donnees reduites a 10 dbar

le 11/ 3/1992 a 19.48 tu -11.2299 123.0221 sonde: 1197 m (1207.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	30.038	30.037	34.794	21.561	21.559	37.597	192.2	4.40	100.7	623.5	0.000	1545.5	0.00	
10.	9.9	29.981	29.979	34.781	21.571	21.568	37.610	196.5	4.49	102.8	622.9	0.050	1545.5	2.70	
20.	19.9	29.908	29.903	34.790	21.604	21.600	37.645	193.4	4.42	101.1	620.3	0.112	1545.5	1.39	
30.	29.8	29.892	29.885	34.807	21.623	21.618	37.665	188.2	4.30	98.4	618.9	0.174	1545.7	2.24	
40.	39.8	29.705	29.695	34.790	21.675	21.669	37.725	191.6	4.38	99.8	614.5	0.236	1545.5	5.75	
50.	49.7	29.365	29.353	34.776	21.780	21.773	37.845	188.2	4.31	97.5	604.9	0.297	1544.9	4.70	
60.	59.6	28.752	28.737	34.719	21.943	21.936	38.036	185.4	4.24	95.1	589.8	0.357	1543.7	7.43	
70.	69.6	27.654	27.638	34.638	22.242	22.235	38.387	172.4	3.94	86.8	561.5	0.415	1541.4	11.57	
80.	79.5	24.573	24.556	34.517	23.112	23.105	39.409	125.1	2.87	59.9	478.5	0.466	1534.2	10.54	
90.	89.5	21.649	21.631	34.465	23.915	23.909	40.370	108.9	2.50	49.5	401.9	0.509	1526.9	9.29	
100.	99.4	20.992	20.973	34.483	24.109	24.103	40.601	118.3	2.71	53.2	383.8	0.548	1525.3	9.50	
110.	109.3	20.476	20.456	34.490	24.254	24.247	40.775	109.7	2.52	48.9	370.3	0.586	1524.1	6.07	
120.	119.3	19.964	19.942	34.512	24.406	24.399	40.957	119.9	2.75	52.9	356.1	0.622	1522.8	6.67	
130.	129.2	18.795	18.772	34.511	24.706	24.699	41.329	115.4	2.65	49.9	327.7	0.657	1519.7	10.51	
140.	139.2	18.183	18.159	34.514	24.861	24.854	41.522	114.7	2.63	49.0	313.1	0.689	1518.1	7.61	
150.	149.1	17.600	17.575	34.518	25.008	25.000	41.705	113.2	2.60	47.8	299.5	0.719	1516.6	8.69	
160.	159.0	16.779	16.753	34.521	25.205	25.198	41.956	114.2	2.62	47.5	280.8	0.748	1514.3	3.28	
170.	169.0	16.398	16.371	34.522	25.296	25.288	42.072	112.8	2.59	46.6	272.4	0.776	1513.3	4.15	
180.	178.9	16.070	16.042	34.525	25.373	25.366	42.171	110.1	2.53	45.2	265.3	0.803	1512.4	2.14	
190.	188.8	15.261	15.232	34.524	25.555	25.548	42.408	111.5	2.56	45.1	248.1	0.829	1510.1	9.26	
200.	198.8	14.593	14.563	34.530	25.705	25.698	42.605	112.9	2.59	45.0	233.9	0.853	1508.1	5.50	
220.	218.6	13.237	13.207	34.526	25.984	25.978	42.982	111.0	2.55	43.1	207.5	0.897	1504.1	10.04	
240.	238.5	12.796	12.763	34.531	26.077	26.070	43.108	110.4	2.54	42.5	199.1	0.938	1502.9	3.27	
260.	258.4	11.895	11.861	34.535	26.255	26.248	43.354	103.0	2.37	38.9	182.4	0.976	1500.2	6.78	
280.	278.2	11.237	11.202	34.537	26.379	26.372	43.530	99.1	2.28	36.9	170.8	1.011	1498.3	3.55	
300.	298.1	10.705	10.669	34.538	26.475	26.468	43.668	98.7	2.27	36.3	161.8	1.045	1496.7	3.22	
320.	317.9	10.491	10.453	34.542	26.516	26.509	43.727	98.5	2.27	36.1	158.3	1.077	1496.3	3.71	
340.	337.8	10.051	10.012	34.542	26.593	26.586	43.839	96.5	2.22	35.0	151.2	1.108	1495.1	3.76	
360.	357.6	9.672	9.631	34.546	26.660	26.652	43.938	95.4	2.19	34.4	145.0	1.137	1494.0	2.23	
380.	377.5	9.541	9.498	34.547	26.683	26.675	43.972	94.8	2.18	34.1	143.2	1.166	1493.9	2.70	
400.	397.3	9.238	9.193	34.548	26.734	26.726	44.048	94.5	2.17	33.7	138.5	1.194	1493.1	2.55	
420.	417.2	8.989	8.943	34.551	26.776	26.768	44.111	93.9	2.16	33.3	134.8	1.222	1492.5	1.64	
440.	437.0	8.811	8.764	34.552	26.805	26.797	44.156	94.0	2.16	33.2	132.3	1.248	1492.2	2.23	
460.	456.9	8.602	8.553	34.555	26.840	26.832	44.209	92.6	2.13	32.6	129.1	1.274	1491.8	0.62	
480.	476.7	8.420	8.370	34.556	26.870	26.862	44.254	93.5	2.15	32.7	126.5	1.300	1491.4	1.75	
500.	496.6	8.284	8.232	34.558	26.892	26.884	44.288	93.0	2.14	32.5	124.7	1.325	1491.2	2.97	
550.	546.1	7.840	7.784	34.562	26.962	26.953	44.397	93.0	2.14	32.1	118.5	1.385	1490.4	1.64	
600.	595.7	7.503	7.444	34.566	27.015	27.006	44.480	92.8	2.13	31.8	114.0	1.444	1489.9	2.23	
650.	645.3	6.850	6.788	34.582	27.119	27.110	44.643	91.6	2.11	31.0	104.1	1.498	1488.2	0.87	
700.	694.8	6.312	6.248	34.580	27.189	27.181	44.763	93.0	2.14	31.1	97.4	1.549	1487.0	3.21	
750.	744.4	6.084	6.017	34.583	27.221	27.212	44.816	93.2	2.14	30.9	94.8	1.597	1486.9	1.24	
800.	793.9	5.694	5.624	34.585	27.272	27.263	44.904	94.8	2.18	31.2	90.0	1.643	1486.2	2.31	
850.	843.4	5.524	5.451	34.587	27.295	27.286	44.943	95.2	2.19	31.2	88.2	1.688	1486.3	0.00	
900.	892.9	5.243	5.167	34.589	27.330	27.321	45.005	96.6	2.22	31.4	84.9	1.731	1486.0	0.87	
950.	942.4	5.095	5.016	34.589	27.348	27.338	45.038	97.6	2.25	31.7	83.5	1.773	1486.2	2.31	
1000.	991.9	4.762	4.680	34.594	27.390	27.381	45.112	99.5	2.29	32.0	79.4	1.814	1485.7	1.24	
1100.	1090.8	4.532	4.443	34.599	27.420	27.410	45.166	99.3	2.28	31.8	77.1	1.893	1486.4	1.38	
fin	1176.	1166.0	3.985	3.894	34.617	27.493	27.483	45.292	104.9	2.41	33.1	69.6	1.949	1485.4	1.64

Vitesse verticale moyenne du son entre 2. et 1176. dbar : 1496.5 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

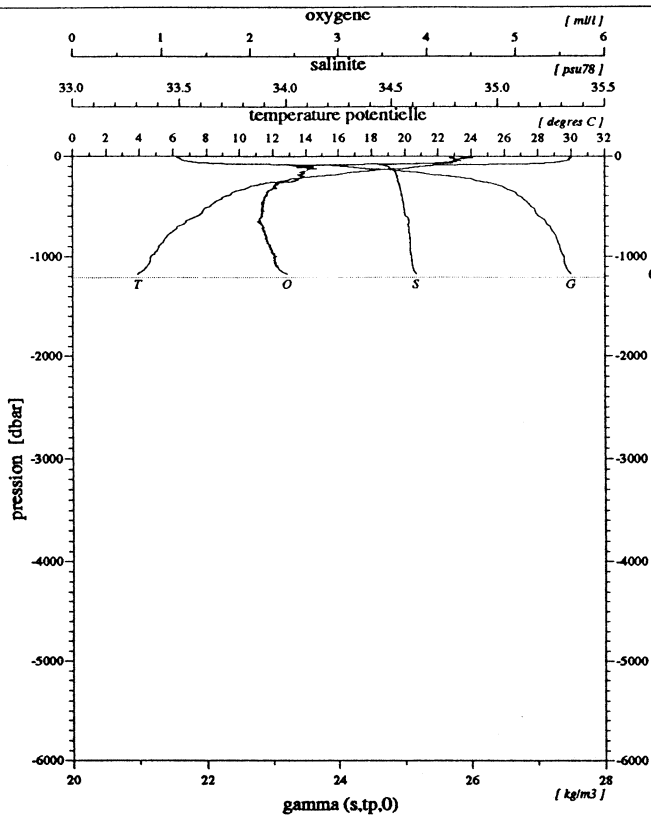


Diagramme salinite / oxygene

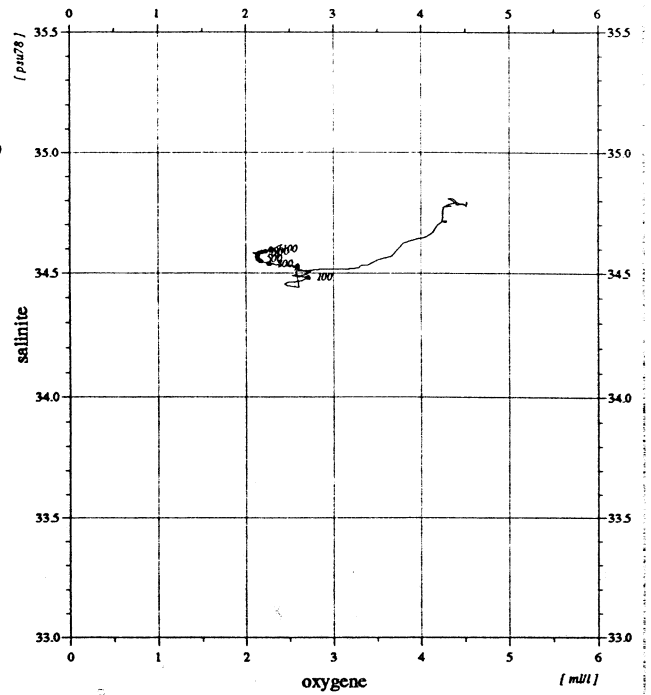


Diagramme temperature potentielle / salinite

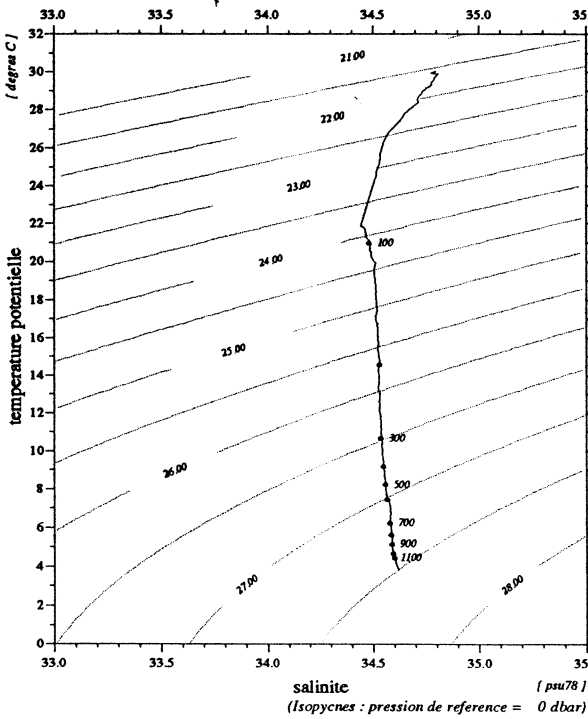
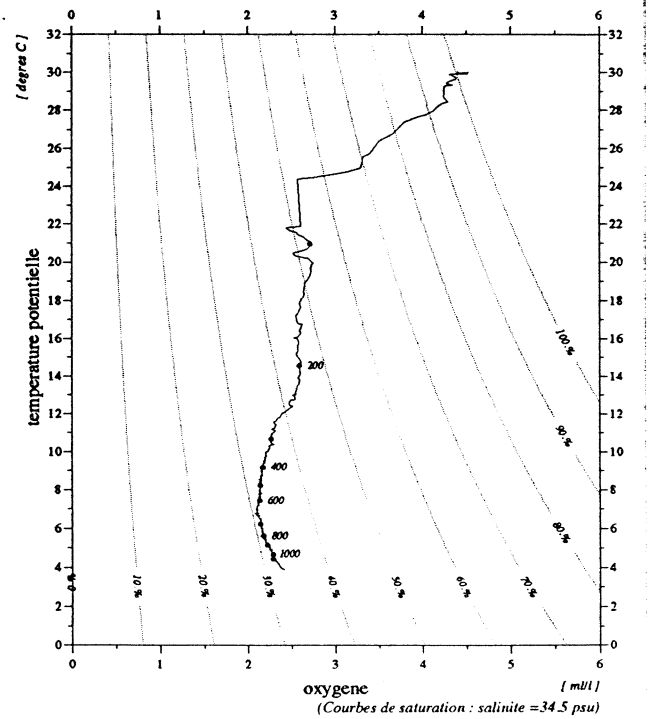


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1176
temperature	30.038	3.985
theta	30.037	3.894
salinite	34.794	34.617
gamma (s,tp,0)	21.561	27.493
oxygene	4.40	2.41

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1197 m (1207 dbar)	
11-3-1992	11.22' 9 S
19.48 tu	123.2' 2 E

MD71/JADE2

Station 34.10

94/01/24  
13:43:37

STATION-3420

1

JADE 92

station : 34.20

donnees reduites a 10 dbar

le 11/ 3/1992 a 21.50 tu -11.2284 123.0260 sonde: 1197 m (1207.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	29.961	29.960	34.780	21.578	21.575	37.617	185.5	4.24	97.1	622.0	0.000	1545.3	0.00
10.	9.9	29.978	29.976	34.779	21.571	21.568	37.610	186.1	4.26	97.4	622.9	0.044	1545.5	2.48
20.	19.9	29.913	29.908	34.787	21.601	21.597	37.642	187.2	4.28	97.9	620.6	0.106	1545.5	0.62
30.	29.8	29.921	29.914	34.807	21.613	21.608	37.653	194.4	4.45	101.6	619.9	0.168	1545.8	2.28
40.	39.8	29.887	29.877	34.807	21.625	21.620	37.668	194.5	4.45	101.6	619.2	0.230	1545.8	1.64
50.	49.7	29.650	29.637	34.785	21.690	21.684	37.743	195.3	4.47	101.7	613.5	0.291	1545.5	7.32
60.	59.6	29.385	29.371	34.774	21.773	21.765	37.837	195.9	4.48	101.5	606.1	0.352	1545.1	5.58
70.	69.6	29.063	29.046	34.738	21.854	21.846	37.933	193.7	4.43	99.9	598.7	0.413	1544.5	10.69
80.	79.5	27.776	27.757	34.650	22.212	22.204	38.351	166.6	3.81	84.1	564.8	0.471	1541.8	16.96
90.	89.5	23.278	23.259	34.488	23.472	23.465	39.837	121.8	2.79	57.0	444.4	0.521	1531.1	11.89
100.	99.4	22.420	22.400	34.454	23.692	23.685	40.104	119.1	2.73	54.9	423.7	0.564	1529.0	13.27
110.	109.3	20.738	20.717	34.476	24.173	24.166	40.680	109.9	2.52	49.2	378.0	0.604	1524.7	12.12
120.	119.3	19.793	19.771	34.492	24.435	24.428	40.997	116.6	2.67	51.3	353.3	0.640	1522.3	8.98
130.	129.2	19.084	19.061	34.508	24.631	24.623	41.235	116.9	2.68	50.8	334.9	0.674	1520.5	8.12
140.	139.2	18.431	18.407	34.511	24.798	24.791	41.443	114.7	2.63	49.2	319.2	0.707	1518.8	5.18
150.	149.1	18.046	18.020	34.511	24.894	24.886	41.563	112.2	2.57	47.8	310.4	0.739	1517.9	9.61
160.	159.0	16.997	16.971	34.516	25.151	25.144	41.887	109.7	2.52	45.8	286.0	0.768	1514.9	7.95
170.	169.0	16.478	16.451	34.521	25.276	25.269	42.047	111.5	2.56	46.1	274.3	0.796	1513.5	7.93
180.	178.9	15.749	15.721	34.521	25.443	25.436	42.263	109.5	2.51	44.7	258.5	0.823	1511.4	7.22
190.	188.8	15.012	14.983	34.530	25.614	25.607	42.485	110.4	2.54	44.4	242.4	0.848	1509.3	11.70
200.	198.8	14.755	14.725	34.529	25.670	25.662	42.558	109.9	2.52	44.0	237.4	0.872	1508.7	7.40
220.	218.6	13.131	13.100	34.523	26.004	25.997	43.010	108.2	2.48	41.9	205.7	0.916	1503.7	7.68
240.	238.5	12.493	12.460	34.531	26.137	26.130	43.191	104.9	2.41	40.1	193.3	0.956	1501.9	2.70
260.	258.4	11.776	11.743	34.533	26.276	26.269	43.384	99.0	2.28	37.3	180.3	0.994	1499.8	6.40
280.	278.2	11.083	11.048	34.537	26.407	26.400	43.570	96.1	2.21	35.7	168.0	1.028	1497.7	2.40
300.	298.1	10.531	10.495	34.539	26.507	26.500	43.714	96.8	2.22	35.5	158.7	1.061	1496.1	2.84
320.	317.9	10.023	9.986	34.543	26.598	26.591	43.846	93.9	2.16	34.1	150.3	1.092	1494.6	2.05
340.	337.8	9.552	9.514	34.546	26.679	26.673	43.967	92.7	2.13	33.3	142.6	1.121	1493.3	1.64
360.	357.6	9.179	9.140	34.548	26.742	26.735	44.061	91.8	2.11	32.7	136.9	1.149	1492.2	3.86
380.	377.5	8.985	8.943	34.550	26.775	26.768	44.111	91.2	2.10	32.3	134.0	1.176	1491.8	2.23
400.	397.3	8.767	8.724	34.551	26.811	26.804	44.165	91.3	2.10	32.2	130.9	1.203	1491.4	2.77
420.	417.2	8.604	8.560	34.554	26.838	26.831	44.206	91.0	2.09	32.0	128.5	1.228	1491.1	2.40
440.	437.0	8.498	8.451	34.555	26.856	26.849	44.233	91.0	2.09	31.9	127.1	1.254	1491.0	2.31
460.	456.9	8.363	8.315	34.556	26.878	26.871	44.267	91.5	2.11	32.0	125.3	1.279	1490.9	2.05
480.	476.7	8.276	8.226	34.558	26.893	26.885	44.289	91.3	2.10	31.9	124.2	1.304	1490.9	1.86
500.	496.6	8.158	8.106	34.559	26.911	26.903	44.319	90.6	2.08	31.5	122.7	1.329	1490.8	2.05
550.	546.1	7.876	7.820	34.561	26.956	26.948	44.388	91.8	2.11	31.8	119.1	1.389	1490.5	0.87
600.	595.7	7.667	7.607	34.563	26.989	26.980	44.440	91.7	2.11	31.6	116.6	1.448	1490.5	1.24
650.	645.3	7.101	7.038	34.581	27.083	27.074	44.585	90.0	2.07	30.6	107.8	1.505	1489.2	1.64
700.	694.8	6.686	6.620	34.579	27.139	27.130	44.678	91.0	2.09	30.7	102.7	1.557	1488.4	2.70
750.	744.4	6.247	6.178	34.582	27.199	27.190	44.780	91.8	2.11	30.6	97.1	1.607	1487.5	1.64
800.	793.9	5.790	5.720	34.585	27.260	27.251	44.883	93.4	2.15	30.8	91.3	1.654	1486.5	1.51
850.	843.4	5.511	5.438	34.587	27.296	27.287	44.946	94.5	2.17	31.0	88.0	1.699	1486.3	1.64
900.	892.9	5.209	5.133	34.587	27.333	27.324	45.011	96.1	2.21	31.3	84.6	1.742	1485.9	2.70
950.	942.4	5.088	5.008	34.590	27.349	27.340	45.040	97.3	2.24	31.6	83.4	1.784	1486.2	1.07
1000.	991.9	4.773	4.691	34.594	27.389	27.380	45.110	97.7	2.25	31.5	79.5	1.825	1485.8	0.00
1100.	1090.8	4.491	4.402	34.600	27.425	27.415	45.175	98.9	2.28	31.6	76.5	1.903	1486.3	0.87
fin	1171.	1161.1	4.066	3.975	34.612	27.481	27.471	45.272	103.7	2.39	70.9	1.956	1485.7	1.07

Vitesse verticale moyenne du son entre 3. et 1171. dbar : 1496.6 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

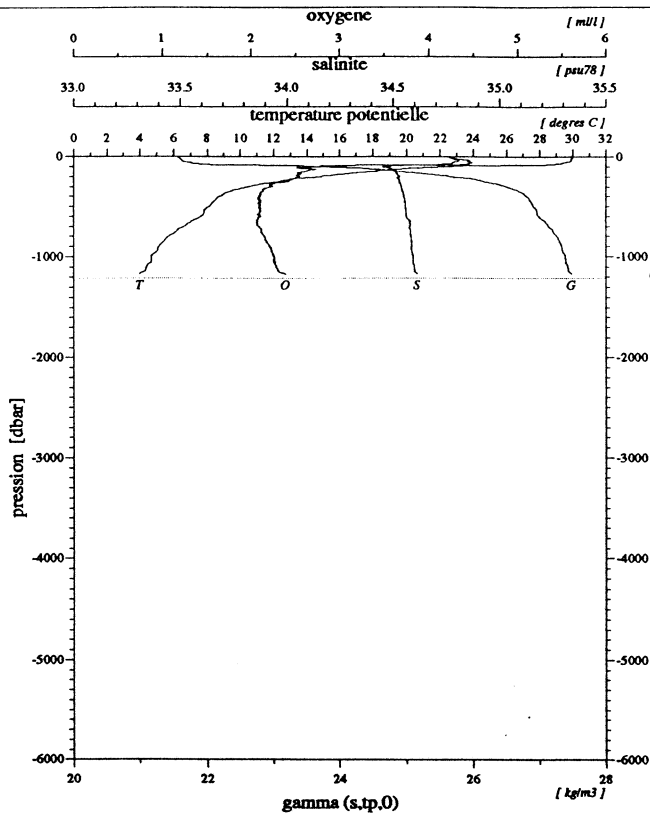


Diagramme salinite / oxygene

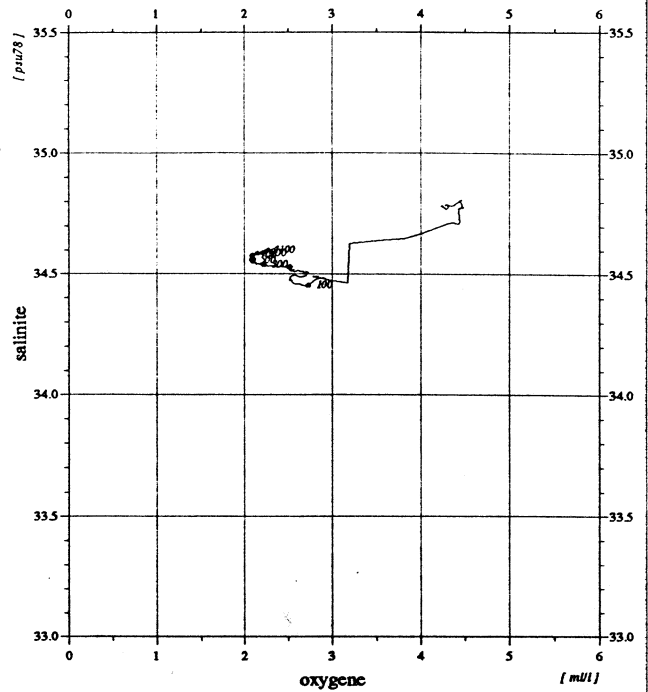


Diagramme temperature potentielle / salinite

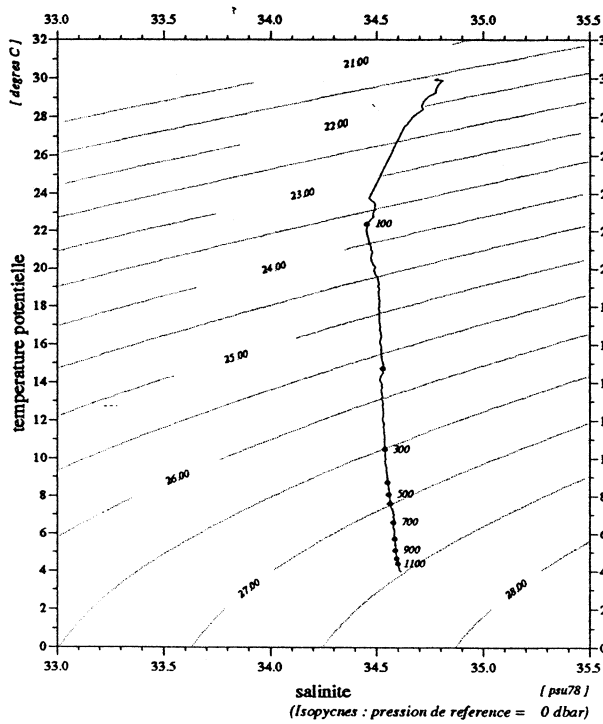
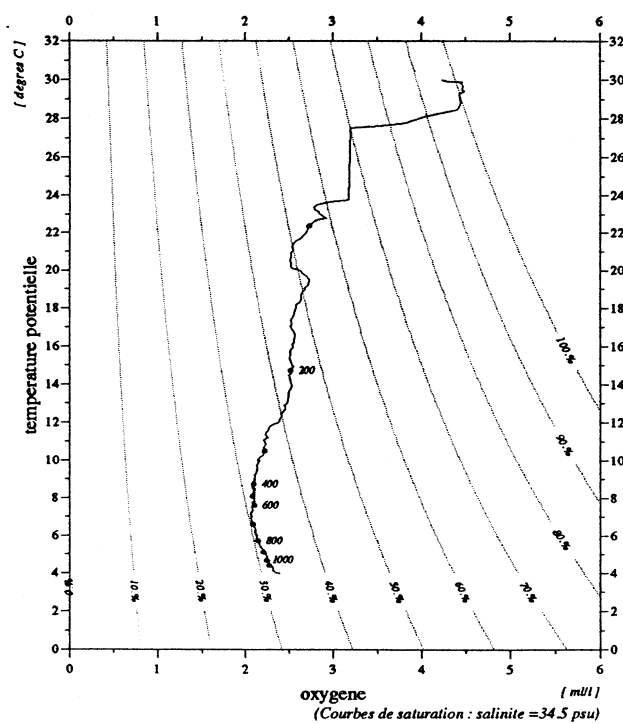


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	1171.
temperature	29.961	4.066
theta	29.960	3.976
salinite	34.780	34.612
gamma (s.tp,0)	21.577	27.481
oxygene	4.24	2.39

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1197 m (1207 dbar)	
11- 3-1992	11.22' 8 S
21.50 tu	123. 2' 6 E

MD71/JADE2

Station 34.20



Profils verticaux

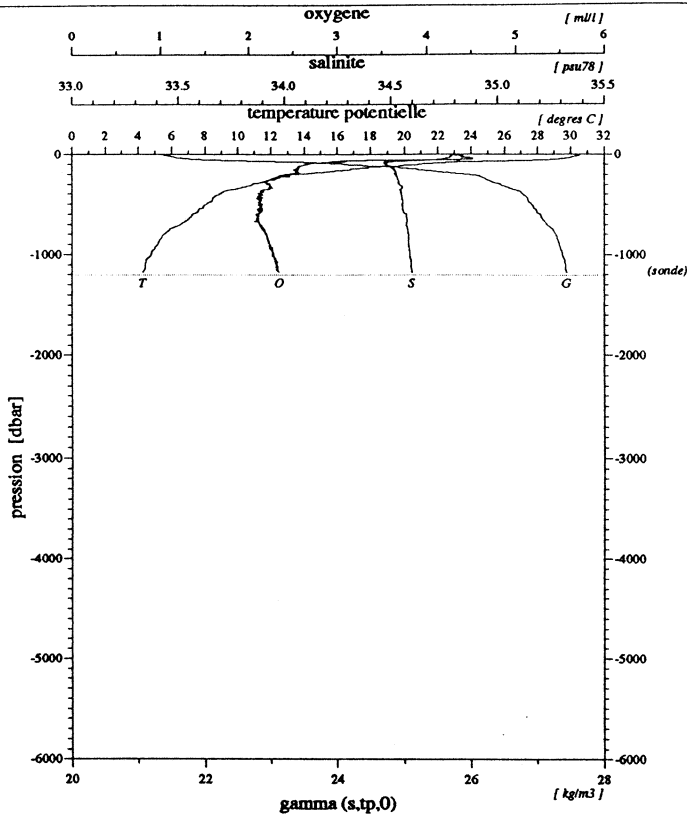


Diagramme salinite / oxygene

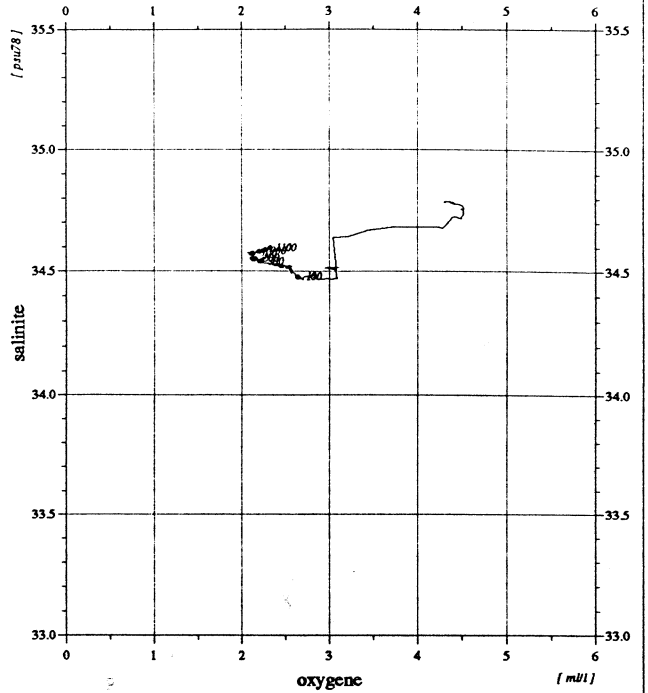


Diagramme temperature potentielle / salinite

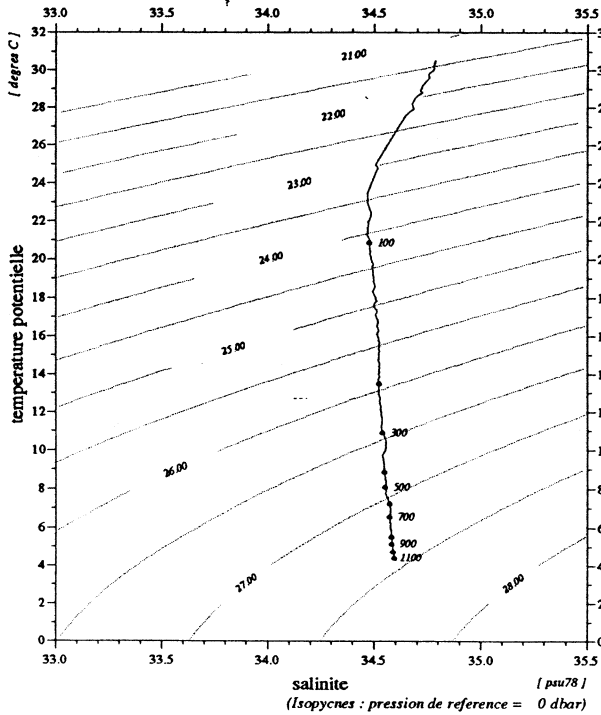
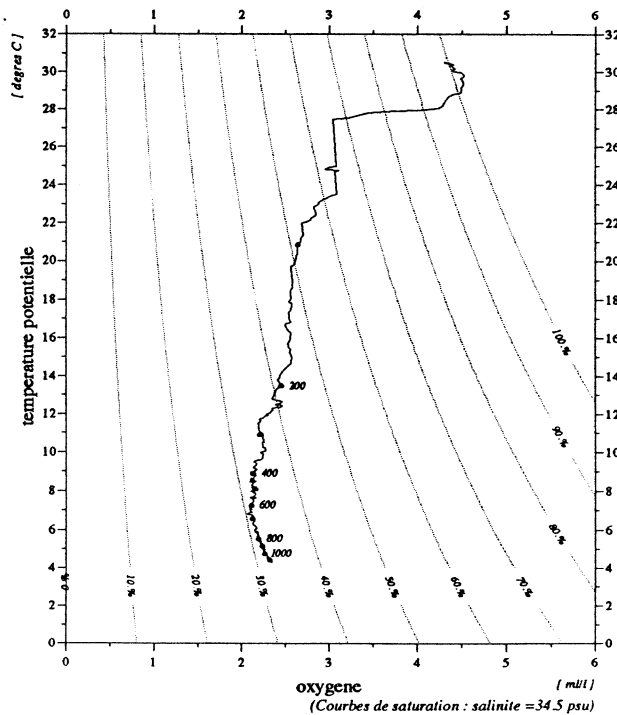


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	1179
temperature	30.503	4.357
theta	30.503	4.263
salinite	34.784	34.599
gamma (s.tp.0)	21.395	27.439
oxygene	4.31	2.35

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1190 m (1200 dbar)	
13- 3-1992	11.23' 0 S
9.32 tu	123. 2' 2 E

MD71/JADE2

Station 34.30

94/01/24  
13:45:11

STATION-3440

1

JADE 92

station : 34.40

donnees reduites a 10 dbar

le 13/ 3/1992 a 10.45 tu -11.2302 123.0224 sonde: 1201 m (1211.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/Kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.980	30.979	34.798	21.240	21.237	37.236	194.2	4.44	103.3	654.3	0.000	1547.4	0.00
10.	9.9	30.351	30.348	34.777	21.442	21.438	37.465	198.3	4.53	104.4	635.4	0.052	1546.3	5.21
20.	19.9	30.201	30.196	34.778	21.495	21.491	37.524	191.3	4.38	100.5	630.8	0.115	1546.1	5.11
30.	29.8	30.087	30.079	34.779	21.536	21.531	37.570	196.0	4.48	102.8	627.4	0.178	1546.1	3.13
40.	39.8	29.839	29.829	34.761	21.608	21.602	37.653	193.8	4.43	101.2	621.0	0.240	1545.7	7.19
50.	49.7	28.820	28.808	34.701	21.906	21.899	37.996	194.8	4.46	100.0	592.8	0.301	1543.6	10.35
60.	59.6	27.492	27.478	34.618	22.279	22.272	38.431	167.1	3.82	83.9	557.5	0.358	1540.8	13.50
70.	69.6	24.674	24.659	34.500	23.068	23.062	39.360	128.0	2.93	61.3	482.3	0.410	1534.3	8.30
80.	79.5	23.260	23.244	34.459	23.455	23.448	39.821	126.4	2.90	59.1	445.6	0.457	1530.9	13.83
90.	89.5	21.937	21.919	34.472	23.840	23.834	40.279	119.8	2.75	54.8	409.1	0.499	1527.6	13.54
100.	99.4	20.919	20.900	34.478	24.125	24.119	40.621	115.8	2.66	52.0	382.2	0.538	1525.1	2.55
110.	109.3	19.814	19.794	34.486	24.425	24.418	40.985	114.2	2.62	50.3	353.9	0.575	1522.2	4.51
120.	119.3	19.637	19.615	34.497	24.480	24.473	41.051	110.8	2.54	48.6	349.0	0.610	1521.9	6.81
130.	129.2	17.910	17.888	34.502	24.919	24.913	41.597	111.4	2.56	47.4	307.2	0.643	1517.1	8.40
140.	139.2	17.400	17.377	34.512	25.050	25.044	41.760	113.1	2.60	47.6	295.0	0.673	1515.8	3.16
150.	149.1	16.777	16.753	34.516	25.202	25.195	41.953	110.3	2.53	45.9	280.8	0.702	1514.1	3.10
160.	159.0	16.290	16.264	34.521	25.319	25.312	42.102	111.0	2.55	45.8	269.9	0.729	1512.8	3.71
170.	169.0	15.820	15.794	34.521	25.427	25.420	42.241	111.9	2.57	45.7	259.8	0.756	1511.5	7.25
180.	178.9	15.326	15.298	34.523	25.539	25.532	42.388	111.8	2.57	45.2	249.3	0.781	1510.1	6.70
190.	188.8	14.679	14.651	34.521	25.679	25.672	42.573	112.2	2.58	44.8	236.1	0.806	1508.2	7.08
200.	198.8	13.964	13.935	34.521	25.831	25.825	42.776	108.1	2.48	42.6	221.7	0.829	1506.1	6.43
220.	218.6	12.754	12.724	34.527	26.082	26.075	43.116	106.5	2.45	41.0	198.1	0.870	1502.4	3.03
240.	238.5	12.419	12.387	34.526	26.147	26.140	43.207	107.5	2.47	41.0	192.3	0.909	1501.6	4.91
260.	258.4	11.990	11.957	34.531	26.233	26.226	43.326	103.2	2.37	39.0	184.4	0.947	1500.5	4.24
280.	278.2	11.326	11.291	34.528	26.355	26.348	43.499	99.5	2.29	37.1	173.1	0.983	1498.6	8.02
300.	298.1	10.649	10.613	34.547	26.492	26.486	43.690	100.5	2.31	37.0	160.2	1.016	1496.5	6.55
320.	317.9	10.089	10.052	34.548	26.591	26.584	43.834	98.8	2.27	35.9	150.9	1.047	1494.9	2.70
340.	337.8	9.425	9.387	34.542	26.697	26.691	43.995	95.3	2.19	34.1	140.9	1.076	1492.8	2.40
360.	357.6	9.151	9.111	34.546	26.745	26.738	44.066	94.7	2.18	33.7	136.6	1.104	1492.1	1.38
380.	377.5	9.069	9.028	34.547	26.759	26.752	44.087	92.8	2.13	33.0	135.6	1.131	1492.2	1.24
400.	397.3	8.992	8.949	34.547	26.772	26.764	44.107	93.8	2.16	33.3	134.8	1.158	1492.2	2.14
420.	417.2	8.851	8.806	34.548	26.795	26.788	44.143	92.7	2.13	32.8	132.8	1.185	1492.0	2.23
440.	437.0	8.592	8.545	34.551	26.838	26.831	44.208	92.7	2.13	32.6	128.9	1.211	1491.4	1.52
460.	456.9	8.530	8.481	34.552	26.849	26.841	44.224	92.2	2.12	32.4	128.2	1.237	1491.5	1.24
480.	476.7	8.437	8.386	34.551	26.863	26.855	44.246	92.8	2.13	32.5	127.2	1.262	1491.5	1.96
500.	496.6	8.215	8.163	34.553	26.899	26.891	44.301	92.6	2.13	32.3	124.0	1.288	1491.0	3.03
550.	546.1	7.945	7.889	34.556	26.942	26.933	44.368	92.1	2.12	31.9	120.5	1.348	1490.8	1.64
600.	595.7	7.332	7.273	34.574	27.045	27.037	44.526	92.1	2.12	31.5	110.9	1.406	1489.3	2.31
650.	645.3	6.957	6.895	34.579	27.102	27.093	44.616	91.2	2.10	30.9	105.9	1.461	1488.7	1.07
700.	694.8	6.585	6.520	34.576	27.150	27.141	44.699	92.3	2.12	31.0	101.5	1.513	1488.0	1.24
750.	744.4	5.957	5.890	34.579	27.234	27.226	44.842	93.4	2.15	30.9	93.3	1.561	1486.4	1.24
800.	793.9	5.489	5.421	34.584	27.296	27.287	44.947	95.7	2.20	31.4	87.3	1.607	1485.3	1.07
850.	843.4	5.310	5.238	34.584	27.318	27.309	44.987	96.8	2.23	31.6	85.6	1.650	1485.4	0.87
900.	892.9	5.203	5.127	34.584	27.331	27.322	45.010	97.1	2.23	31.6	84.7	1.693	1485.8	1.64
950.	942.4	5.032	4.953	34.587	27.353	27.344	45.049	97.8	2.25	31.7	82.9	1.734	1486.0	0.62
1000.	991.9	4.843	4.761	34.590	27.377	27.368	45.092	98.7	2.27	31.8	80.8	1.775	1486.0	1.07
1100.	1090.8	4.503	4.415	34.597	27.422	27.412	45.170	100.4	2.31	32.1	76.8	1.854	1486.3	0.62
fin 1172.	1162.0	4.398	4.304	34.599	27.435	27.425	45.195	100.6	2.31	32.1	76.0	1.909	1487.1	0.00

Vitesse verticale moyenne du son entre 2. et 1172. dbar : 1496.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

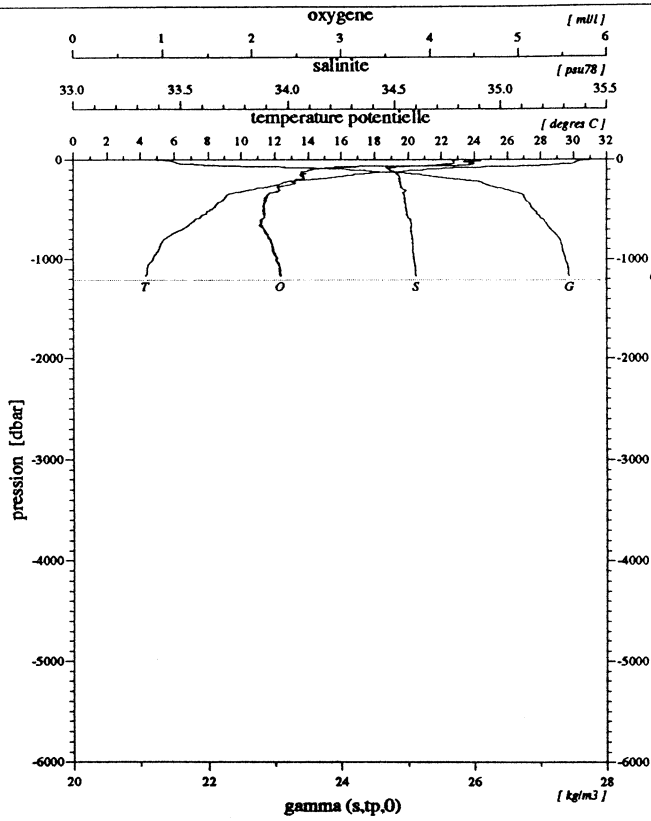


Diagramme salinite / oxygene

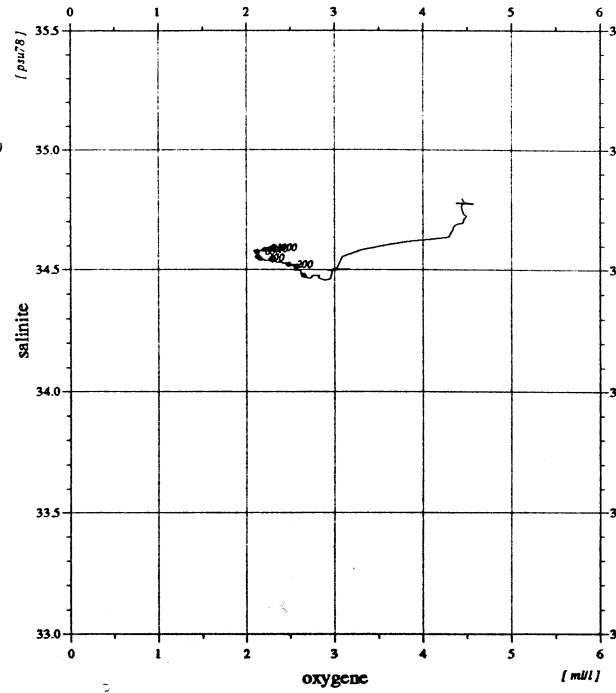


Diagramme temperature potentielle / salinite

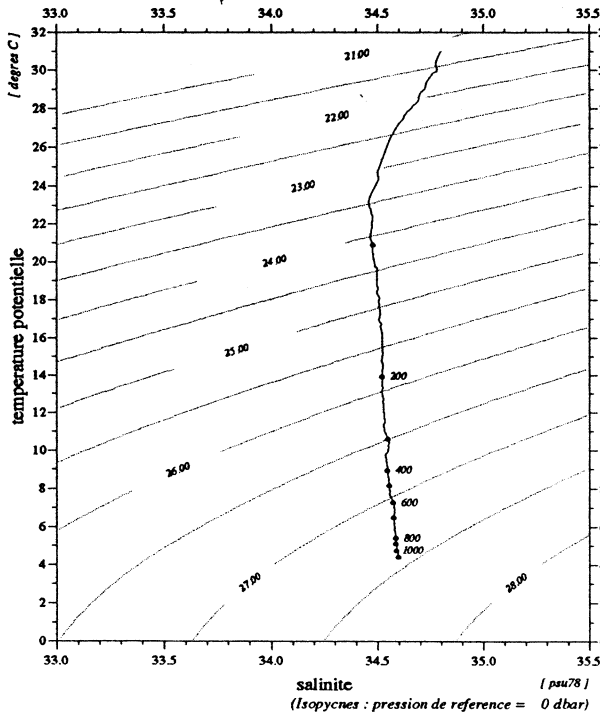
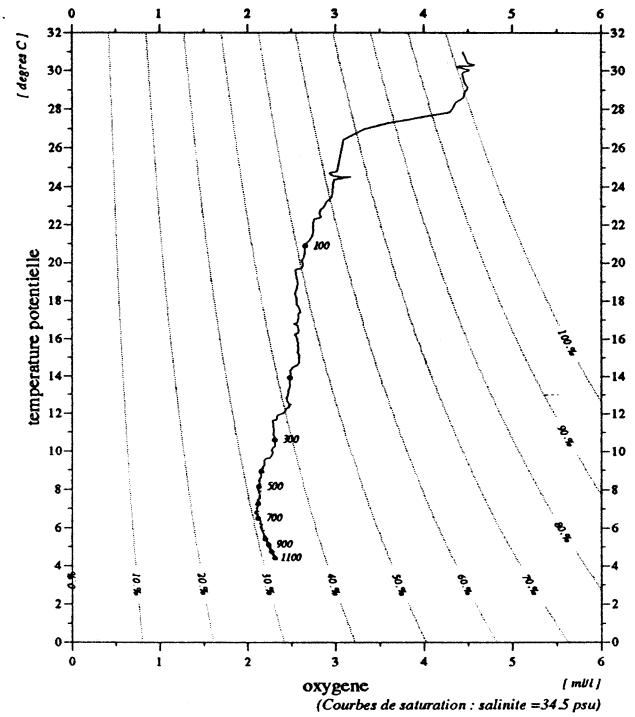


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1172.
temperature	30.980	4.398
theta	30.979	4.304
salinite	34.798	34.599
gamma (s,tp,0)	21.240	27.435
oxygene	4.44	2.31

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1201 m (1211 dbar)	
13- 3-1992	11.23' 0 S
10.45 tu	123. 2' 2 E

MD71/JADE2

Station 34.40

94/01/24  
13:45:16

STATION-3450

1

JADE 92

station : 34.50

donnees reduites a 10 dbar

le 13/ 3/1992 a 12.25 tu -11.2318 123.0211 sonde: 1182 m (1192.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
3.	3.0	30.587	30.586	34.808	21.383	21.380	37.396	193.5	4.43	102.3	640.6	0.000	1546.7	0.00	
10.	9.9	30.224	30.222	34.783	21.490	21.487	37.518	194.7	4.45	102.3	630.7	0.045	1546.0	6.40	
20.	19.9	30.113	30.108	34.783	21.529	21.525	37.562	198.2	4.53	103.9	627.5	0.107	1546.0	2.63	
30.	29.8	30.042	30.034	34.785	21.556	21.551	37.591	199.6	4.57	104.6	625.4	0.170	1546.0	1.64	
40.	39.8	30.000	29.990	34.780	21.567	21.562	37.605	200.4	4.58	104.9	624.8	0.233	1546.1	2.97	
50.	49.7	29.229	29.217	34.714	21.779	21.773	37.851	198.2	4.53	102.4	605.0	0.294	1544.5	8.46	
60.	59.6	28.272	28.257	34.691	22.080	22.073	38.196	195.6	4.48	99.6	576.6	0.353	1542.6	3.28	
71.	70.6	25.152	25.136	34.489	22.916	22.909	39.184	136.1	3.12	65.7	496.9	0.413	1535.4	21.85	
80.	79.5	24.185	24.168	34.494	23.210	23.203	39.527	142.7	3.27	67.8	469.1	0.456	1533.2	3.39	
90.	89.5	22.486	22.468	34.458	23.676	23.669	40.084	123.2	2.82	56.9	424.8	0.501	1529.0	11.61	
100.	99.4	21.091	21.072	34.468	24.071	24.064	40.557	119.3	2.73	53.7	387.4	0.542	1525.5	9.25	
110.	109.3	19.952	19.931	34.473	24.379	24.373	40.932	115.5	2.65	51.0	358.3	0.579	1522.6	11.69	
120.	119.3	19.576	19.554	34.498	24.496	24.489	41.071	111.6	2.56	48.9	347.5	0.614	1521.7	2.90	
130.	129.2	18.235	18.213	34.503	24.840	24.833	41.497	109.5	2.51	46.8	314.8	0.648	1518.1	12.89	
140.	139.2	17.757	17.733	34.509	24.962	24.956	41.650	111.3	2.56	47.2	303.4	0.679	1516.8	5.36	
150.	149.1	17.438	17.413	34.515	25.044	25.037	41.752	110.6	2.54	46.6	296.0	0.709	1516.1	2.63	
160.	159.0	16.848	16.822	34.517	25.186	25.179	41.933	109.4	2.51	45.6	282.6	0.738	1514.5	4.24	
170.	169.0	16.305	16.278	34.520	25.315	25.308	42.097	108.5	2.49	44.7	270.6	0.765	1513.0	5.36	
180.	178.9	15.799	15.771	34.524	25.434	25.427	42.251	110.0	2.53	44.9	259.4	0.792	1511.6	3.16	
190.	188.8	15.117	15.089	34.520	25.583	25.576	42.446	109.6	2.52	44.2	245.4	0.817	1509.6	9.55	
200.	198.8	14.438	14.409	34.521	25.731	25.724	42.642	109.5	2.51	43.5	231.4	0.841	1507.6	9.01	
220.	218.6	12.876	12.846	34.523	26.055	26.048	43.080	102.9	2.36	39.6	200.7	0.885	1502.8	6.69	
240.	238.5	12.367	12.335	34.528	26.159	26.152	43.222	103.4	2.38	39.4	191.2	0.924	1501.5	2.77	
260.	258.4	11.822	11.789	34.531	26.265	26.259	43.371	100.2	2.30	37.8	181.3	0.961	1499.9	4.38	
280.	278.2	11.066	11.031	34.533	26.407	26.400	43.571	95.7	2.20	35.5	168.0	0.996	1497.7	5.64	
300.	298.1	10.552	10.516	34.551	26.512	26.506	43.718	97.2	2.23	35.7	158.2	1.029	1496.2	3.50	
320.	317.9	10.087	10.050	34.550	26.592	26.585	43.835	96.5	2.22	35.1	150.8	1.059	1494.9	2.55	
340.	337.8	9.441	9.403	34.542	26.695	26.688	43.992	92.3	2.12	33.1	141.1	1.089	1492.9	1.75	
360.	357.6	9.175	9.135	34.545	26.741	26.734	44.060	91.6	2.11	32.6	137.0	1.117	1492.2	0.00	
380.	377.5	9.124	9.082	34.547	26.750	26.743	44.074	91.3	2.10	32.5	136.5	1.144	1492.4	1.38	
400.	397.3	8.997	8.954	34.546	26.771	26.763	44.105	91.3	2.10	32.4	134.9	1.171	1492.2	2.70	
420.	417.2	8.802	8.757	34.545	26.801	26.793	44.152	91.4	2.10	32.3	132.2	1.198	1491.8	2.31	
440.	437.0	8.571	8.524	34.551	26.842	26.834	44.213	91.1	2.09	32.0	128.5	1.224	1491.3	1.24	
460.	456.9	8.548	8.499	34.552	26.846	26.838	44.219	91.3	2.10	32.1	128.5	1.249	1491.5	0.62	
480.	476.7	8.423	8.372	34.552	26.866	26.858	44.250	91.4	2.10	32.0	126.9	1.275	1491.4	3.27	
500.	496.6	8.276	8.223	34.555	26.891	26.883	44.288	91.5	2.10	31.9	124.8	1.300	1491.2	1.24	
550.	546.1	7.777	7.721	34.556	26.966	26.958	44.407	90.9	2.09	31.4	118.0	1.361	1490.1	2.05	
600.	595.7	7.288	7.230	34.574	27.051	27.043	44.536	89.6	2.06	30.6	110.2	1.418	1489.1	2.14	
650.	645.3	6.976	6.913	34.579	27.099	27.091	44.612	89.9	2.07	30.5	106.1	1.472	1488.7	0.62	
700.	694.8	6.687	6.621	34.577	27.137	27.128	44.676	90.8	2.09	30.6	102.9	1.524	1488.4	1.24	
750.	744.4	6.167	6.099	34.578	27.207	27.198	44.794	92.1	2.12	30.7	96.2	1.574	1487.2	0.62	
800.	793.9	5.577	5.508	34.583	27.284	27.276	44.927	93.4	2.15	30.7	88.6	1.621	1485.7	2.90	
850.	843.4	5.276	5.204	34.585	27.322	27.314	44.994	95.1	2.19	31.0	85.1	1.664	1485.3	1.07	
900.	892.9	5.161	5.085	34.587	27.338	27.329	45.021	95.6	2.20	31.1	84.0	1.706	1485.7	0.00	
950.	942.4	5.063	4.984	34.588	27.350	27.341	45.043	96.4	2.22	31.2	83.2	1.748	1486.1	1.51	
1000.	991.9	4.845	4.763	34.590	27.378	27.368	45.092	96.9	2.23	31.3	80.7	1.789	1486.0	1.75	
fin	1070.	1061.2	4.577	4.490	34.595	27.412	27.402	45.153	98.3	2.26	31.5	77.6	1.845	1486.1	0.62

Vitesse verticale moyenne du son entre 3. et 1070. dbar : 1497.1 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

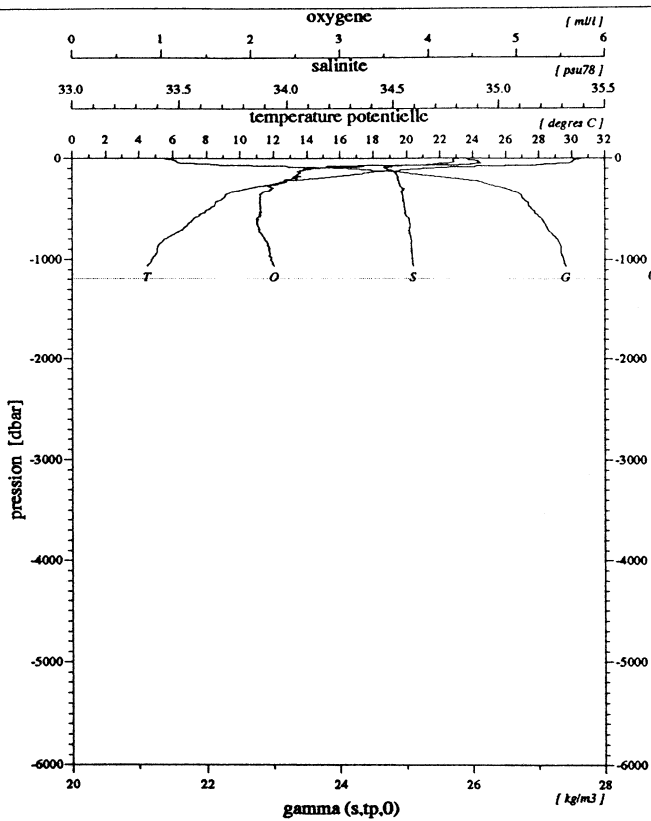


Diagramme salinite / oxygene

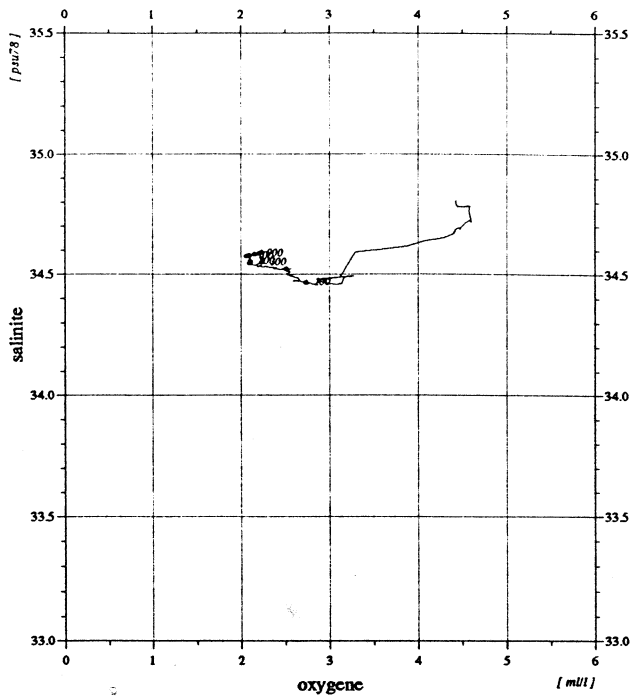


Diagramme temperature potentielle / salinite

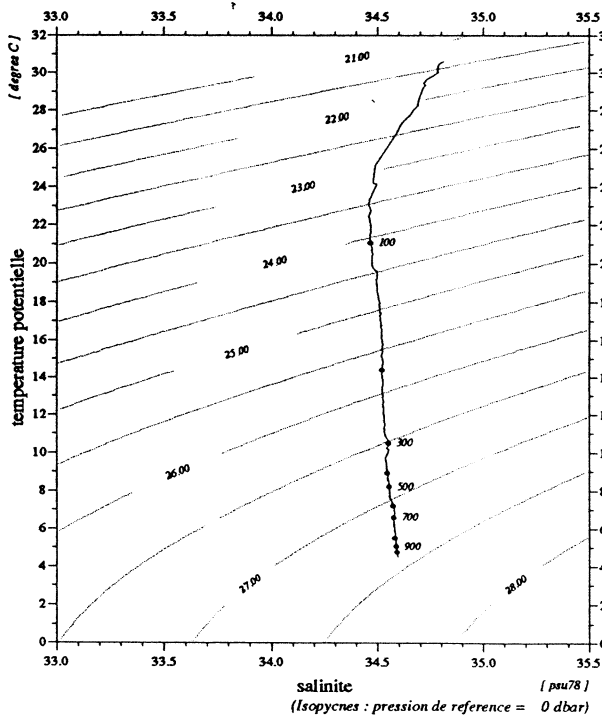
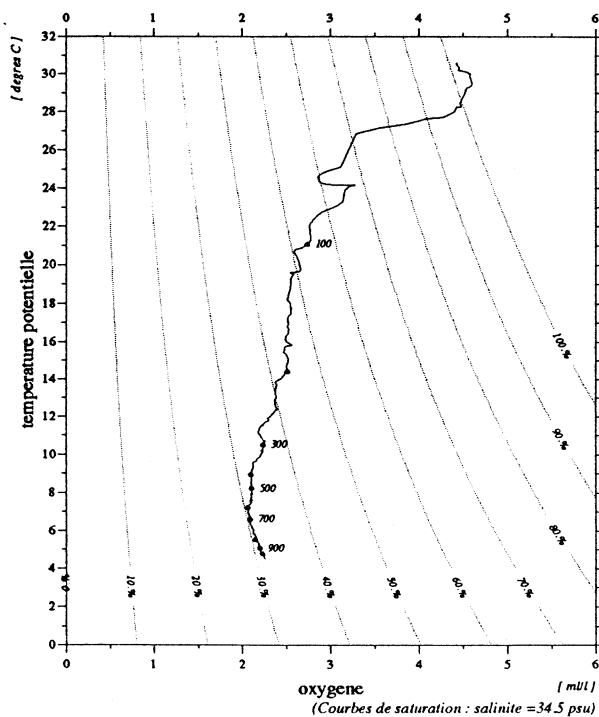


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	1070.
temperature	30.587	4.577
theta	30.586	4.490
salinite	34.808	34.595
gamma (s,tp,0)	21.383	27.412
oxygene	4.43	2.26

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1182 m (1192 dbar)	
13- 3-1992	11.23' 1 S
12.25 tu	123. 2' 1 E

MD71/JADE2

Station 34.50

94/01/24  
13:45:20

STATION-3460

1

JADE 92

station : 34.60

donnees reduites a 10 dbar

le 13/ 3/1992 a 13.17 tu -11.2365 123.0154 sonde: 1182 m (1192.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.349	30.348	34.791	21.453	21.450	37.475	195.8	4.48	103.1	633.9	0.000	1546.1	0.00
10.	9.9	30.200	30.198	34.780	21.497	21.493	37.526	196.7	4.50	103.3	630.1	0.051	1546.0	5.95
20.	19.9	30.102	30.097	34.783	21.533	21.529	37.566	197.0	4.51	103.3	627.1	0.114	1545.9	4.52
30.	29.8	30.022	30.015	34.784	21.562	21.557	37.599	197.5	4.52	103.4	624.8	0.176	1545.9	2.88
40.	39.8	29.932	29.922	34.775	21.586	21.580	37.627	198.5	4.54	103.8	623.0	0.239	1545.9	3.90
50.	49.7	29.050	29.038	34.715	21.840	21.834	37.920	195.5	4.47	100.8	599.1	0.300	1544.2	12.87
60.	59.6	28.310	28.296	34.686	22.064	22.057	38.177	191.2	4.38	97.4	578.1	0.359	1542.7	6.78
69.	68.6	26.998	26.983	34.581	22.410	22.403	38.587	131.9	3.02	65.7	545.3	0.410	1539.8	11.38
81.	80.5	23.293	23.276	34.450	23.438	23.432	39.803	131.3	3.01	61.5	447.3	0.468	1530.9	21.20
90.	89.5	21.673	21.655	34.462	23.907	23.900	40.360	120.0	2.75	54.6	402.7	0.506	1526.9	18.08
100.	99.4	20.376	20.357	34.471	24.265	24.259	40.793	116.2	2.66	51.6	368.8	0.544	1523.6	9.89
110.	109.3	19.627	19.607	34.496	24.481	24.475	41.053	112.7	2.59	49.5	348.5	0.580	1521.7	6.81
120.	119.3	18.703	18.682	34.504	24.724	24.717	41.351	112.4	2.58	48.5	325.6	0.613	1519.3	5.91
130.	129.2	18.120	18.097	34.508	24.872	24.866	41.537	111.2	2.55	47.5	311.7	0.645	1517.7	7.43
140.	139.2	17.812	17.788	34.510	24.949	24.943	41.633	110.5	2.54	46.9	304.7	0.676	1517.0	5.74
150.	149.1	17.132	17.107	34.514	25.117	25.110	41.844	110.5	2.54	46.3	289.0	0.706	1515.2	6.73
160.	159.0	16.456	16.430	34.514	25.276	25.269	42.048	109.9	2.52	45.5	274.0	0.734	1513.3	9.06
170.	169.0	15.735	15.708	34.522	25.447	25.440	42.268	110.5	2.54	45.1	257.9	0.761	1511.2	8.67
180.	178.9	15.084	15.057	34.532	25.599	25.592	42.464	111.6	2.56	44.9	243.5	0.786	1509.4	9.75
190.	188.8	14.473	14.445	34.526	25.727	25.720	42.635	109.5	2.52	43.6	231.5	0.810	1507.6	7.35
200.	198.8	13.826	13.798	34.527	25.864	25.858	42.819	107.8	2.48	42.3	218.5	0.832	1505.7	3.27
220.	218.6	12.756	12.726	34.528	26.083	26.076	43.116	105.0	2.41	40.3	198.0	0.873	1502.5	3.66
240.	238.5	12.284	12.252	34.528	26.175	26.168	43.245	104.8	2.41	39.9	189.6	0.912	1501.2	2.70
260.	258.4	11.774	11.741	34.531	26.275	26.268	43.383	100.7	2.31	37.9	180.4	0.949	1499.8	5.03
280.	278.2	11.007	10.972	34.535	26.419	26.412	43.588	98.3	2.26	36.4	166.9	0.984	1497.5	6.25
300.	298.1	10.316	10.281	34.539	26.544	26.537	43.769	97.5	2.24	35.6	155.1	1.016	1495.3	3.76
320.	317.9	9.992	9.955	34.550	26.608	26.602	43.859	98.1	2.26	35.6	149.2	1.047	1494.5	1.52
340.	337.8	9.600	9.561	34.544	26.670	26.663	43.953	93.5	2.15	33.6	143.6	1.076	1493.4	1.38
360.	357.6	9.253	9.213	34.544	26.727	26.720	44.040	92.2	2.12	32.9	138.3	1.104	1492.5	3.81
380.	377.5	9.170	9.129	34.547	26.743	26.736	44.062	91.8	2.11	32.7	137.2	1.132	1492.5	0.00
400.	397.3	9.115	9.071	34.546	26.752	26.744	44.076	91.4	2.10	32.5	136.7	1.159	1492.6	2.62
420.	417.2	8.835	8.789	34.549	26.799	26.792	44.147	91.8	2.11	32.5	132.4	1.186	1491.9	1.64
440.	437.0	8.693	8.646	34.551	26.823	26.815	44.183	91.5	2.10	32.3	130.5	1.212	1491.8	0.00
460.	456.9	8.609	8.560	34.551	26.836	26.828	44.204	91.7	2.11	32.3	129.5	1.238	1491.8	1.86
480.	476.7	8.524	8.472	34.552	26.851	26.843	44.226	91.3	2.10	32.1	128.4	1.264	1491.8	3.33
500.	496.6	8.160	8.108	34.555	26.908	26.900	44.316	91.6	2.11	31.9	123.0	1.289	1490.8	3.39
550.	546.1	7.742	7.686	34.558	26.973	26.965	44.417	91.4	2.10	31.5	117.3	1.350	1490.0	2.40
600.	595.7	7.328	7.269	34.575	27.046	27.038	44.527	89.8	2.06	30.7	110.8	1.407	1489.3	3.86
650.	645.3	6.983	6.921	34.578	27.097	27.088	44.609	89.5	2.06	30.4	106.3	1.462	1488.8	3.21
700.	694.8	6.570	6.505	34.577	27.153	27.144	44.703	90.8	2.09	30.5	101.2	1.513	1488.0	1.52
750.	744.4	6.081	6.013	34.580	27.219	27.210	44.815	92.3	2.12	30.7	94.9	1.562	1486.9	1.24
800.	793.9	5.530	5.461	34.584	27.291	27.283	44.939	93.9	2.16	30.8	87.9	1.608	1485.5	1.75
850.	843.4	5.301	5.230	34.585	27.320	27.311	44.989	95.5	2.20	31.1	85.4	1.651	1485.4	0.00
900.	892.9	5.127	5.052	34.587	27.342	27.333	45.029	95.6	2.20	31.0	83.5	1.693	1485.5	0.62
950.	942.4	5.037	4.958	34.588	27.354	27.344	45.049	96.2	2.21	31.2	82.8	1.735	1486.0	1.07
1000.	991.9	4.876	4.793	34.590	27.374	27.365	45.086	96.9	2.23	31.3	81.1	1.776	1486.2	0.00
1100.	1090.8	4.566	4.477	34.596	27.414	27.404	45.156	97.8	2.25	31.3	77.7	1.856	1486.6	0.00
fin 1118.	1108.6	4.552	4.462	34.596	27.416	27.406	45.160	98.8	2.27	31.7	77.7	1.869	1486.8	0.00

Vitesse verticale moyenne du son entre 2. et 1118. dbar : 1496.5 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

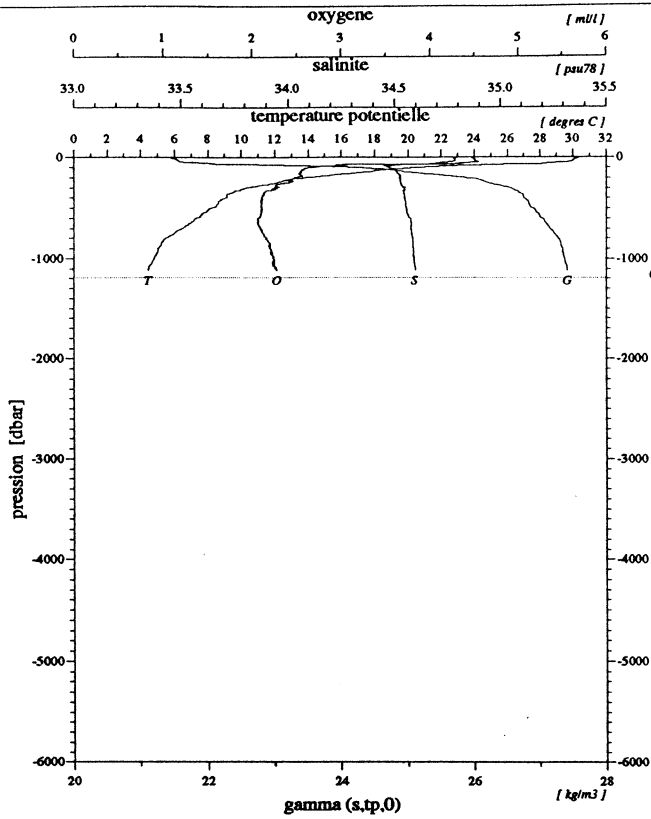


Diagramme salinite / oxygene

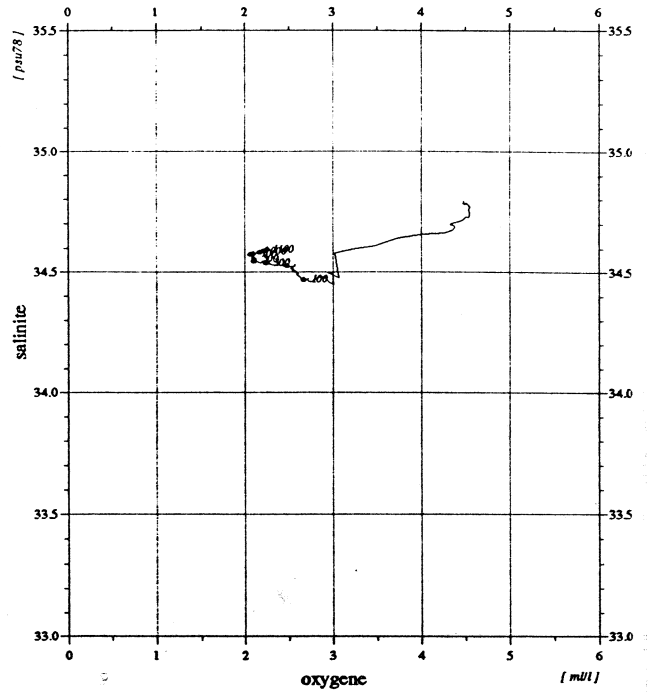


Diagramme temperature potentielle / salinite

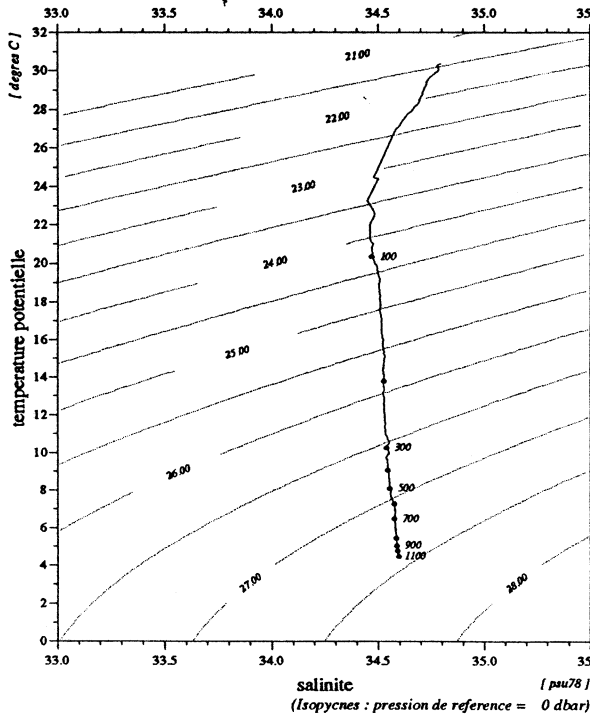
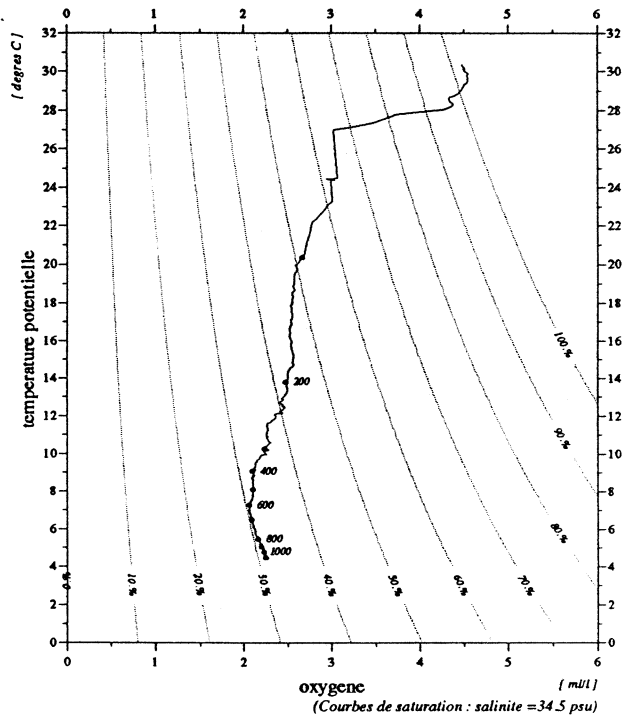


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1118.
temperature	30.349	4.552
theta	30.348	4.462
salinite	34.791	34.596
gamma (s,tp,0)	21.452	27.416
oxygene	4.48	2.27

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1182 m (1192 dbar)	
13- 3-1992	11.23' 6 S
13.17 tu	123. 1' 5 E

MD71/JADE2

Station 34.60

94/01/24  
13:45:24

# STATION-3470

1

JADE 92

station : 34.70

donnees reduites a 10 dbar

le 13/ 3/1992 a 15.19 tu -11.2323 123.0206 sonde: 1182 m (1192.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	30.251	30.250	34.785	21.482	21.479	37.508	190.6	4.36	100.2	631.2	0.000	1546.0	0.00
10.	9.9	30.168	30.166	34.776	21.504	21.501	37.535	191.2	4.37	100.4	629.4	0.044	1545.9	3.77
20.	19.9	30.096	30.091	34.776	21.530	21.526	37.564	193.7	4.43	101.6	627.4	0.107	1545.9	2.24
30.	29.8	30.048	30.040	34.776	21.547	21.542	37.583	195.0	4.46	102.1	626.2	0.170	1546.0	3.43
40.	39.8	29.814	29.804	34.772	21.625	21.619	37.671	196.7	4.50	102.6	619.3	0.232	1545.7	1.45
50.	49.7	29.802	29.789	34.773	21.630	21.624	37.677	198.4	4.54	103.5	619.3	0.294	1545.8	1.52
60.	59.6	29.158	29.144	34.728	21.814	21.807	37.889	192.1	4.39	99.2	602.1	0.355	1544.6	7.03
70.	69.6	27.267	27.250	34.610	22.346	22.339	38.509	143.1	3.28	71.6	551.5	0.413	1540.5	13.26
80.	79.5	23.945	23.928	34.484	23.273	23.267	39.603	136.9	3.14	64.8	463.0	0.461	1532.6	3.74
90.	89.5	22.266	22.248	34.472	23.748	23.742	40.169	123.8	2.84	56.9	417.9	0.505	1528.5	10.42
100.	99.4	21.014	20.995	34.474	24.096	24.089	40.587	118.7	2.72	53.4	385.0	0.545	1525.3	10.22
110.	109.3	20.265	20.245	34.479	24.301	24.294	40.835	115.0	2.64	51.0	365.8	0.583	1523.5	8.63
120.	119.3	19.442	19.420	34.501	24.534	24.527	41.116	113.3	2.60	49.5	343.8	0.618	1521.4	4.92
130.	129.2	17.983	17.961	34.499	24.899	24.892	41.572	112.1	2.57	47.7	309.2	0.651	1517.3	14.30
140.	139.2	17.493	17.470	34.508	25.025	25.018	41.729	111.1	2.55	46.9	297.4	0.681	1516.1	10.04
150.	149.1	16.834	16.809	34.517	25.190	25.183	41.937	111.1	2.55	46.3	281.9	0.710	1514.3	4.84
160.	159.0	16.135	16.110	34.514	25.349	25.343	42.143	110.2	2.53	45.3	266.9	0.738	1512.3	8.95
170.	169.0	15.461	15.435	34.517	25.504	25.498	42.344	111.3	2.56	45.2	252.4	0.764	1510.4	9.39
180.	178.9	14.960	14.933	34.528	25.623	25.616	42.497	111.0	2.55	44.6	241.2	0.788	1509.0	1.96
190.	188.8	14.000	13.973	34.517	25.820	25.814	42.763	108.4	2.49	42.7	222.5	0.812	1506.1	10.17
200.	198.8	13.409	13.381	34.526	25.949	25.943	42.934	106.9	2.45	41.6	210.4	0.833	1504.3	4.20
220.	218.6	12.708	12.678	34.528	26.092	26.085	43.129	104.8	2.41	40.2	197.1	0.873	1502.3	3.50
240.	238.5	12.247	12.215	34.528	26.182	26.175	43.255	104.9	2.41	39.9	188.9	0.912	1501.1	3.22
260.	258.4	11.706	11.673	34.533	26.288	26.282	43.403	99.2	2.28	37.3	179.1	0.949	1499.5	5.57
280.	278.2	11.225	11.190	34.535	26.380	26.373	43.531	96.5	2.22	35.9	170.7	0.984	1498.2	3.16
300.	298.1	10.670	10.634	34.552	26.493	26.486	43.688	97.6	2.24	35.9	160.1	1.017	1496.6	3.15
320.	317.9	10.212	10.175	34.551	26.572	26.565	43.805	96.5	2.22	35.2	152.8	1.048	1495.3	1.24
340.	337.8	10.037	9.997	34.551	26.602	26.595	43.850	96.0	2.21	34.9	150.3	1.078	1495.0	1.07
360.	357.6	9.601	9.560	34.542	26.668	26.661	43.952	92.8	2.13	33.4	144.2	1.108	1493.8	4.01
380.	377.5	9.400	9.357	34.545	26.705	26.697	44.005	91.9	2.11	32.9	141.0	1.136	1493.4	1.75
400.	397.3	9.209	9.165	34.547	26.737	26.730	44.054	91.3	2.10	32.5	138.2	1.164	1493.0	1.07
420.	417.2	9.045	8.999	34.548	26.765	26.757	44.095	91.3	2.10	32.4	135.9	1.192	1492.7	2.14
440.	437.0	8.827	8.779	34.550	26.801	26.793	44.150	91.9	2.11	32.5	132.6	1.219	1492.3	1.52
460.	456.9	8.658	8.609	34.551	26.829	26.821	44.193	90.9	2.09	32.0	130.3	1.245	1492.0	1.24
480.	476.7	8.565	8.514	34.552	26.844	26.836	44.216	91.1	2.09	32.0	129.1	1.271	1491.9	1.38
500.	496.6	8.184	8.132	34.556	26.905	26.897	44.310	91.1	2.09	31.7	123.3	1.296	1490.8	1.24
550.	546.1	7.675	7.620	34.560	26.985	26.976	44.435	90.9	2.09	31.3	116.2	1.356	1489.7	1.52
600.	595.7	7.146	7.088	34.577	27.073	27.065	44.570	90.6	2.08	30.8	108.0	1.412	1488.6	2.23
650.	645.3	6.688	6.627	34.577	27.136	27.128	44.675	91.4	2.10	30.8	102.2	1.464	1487.6	2.05
700.	694.8	6.170	6.107	34.580	27.207	27.199	44.794	92.7	2.13	30.9	95.5	1.513	1486.4	1.52
750.	744.4	5.699	5.634	34.583	27.269	27.261	44.900	93.8	2.16	30.9	89.6	1.560	1485.4	1.38
800.	793.9	5.424	5.356	34.586	27.305	27.297	44.963	94.6	2.17	30.9	86.3	1.603	1485.1	1.07
850.	843.4	5.232	5.160	34.585	27.328	27.319	45.004	95.9	2.21	31.2	84.5	1.646	1485.1	3.09
900.	892.9	4.980	4.906	34.589	27.360	27.351	45.061	97.2	2.24	31.5	81.5	1.687	1484.9	0.00
950.	942.4	4.936	4.857	34.590	27.366	27.357	45.072	97.5	2.24	31.5	81.4	1.728	1485.6	0.00
1000.	991.9	4.823	4.741	34.591	27.381	27.371	45.097	98.2	2.26	31.7	80.4	1.769	1486.0	0.00
1100.	1090.8	4.520	4.431	34.598	27.421	27.411	45.168	99.0	2.28	31.7	77.0	1.847	1486.4	0.87
fin 1104.	1094.8	4.516	4.427	34.598	27.421	27.411	45.168	99.1	2.28	31.7	77.0	1.850	1486.4	0.62

Vitesse verticale moyenne du son entre 3. et 1104. dbar : 1496.3 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

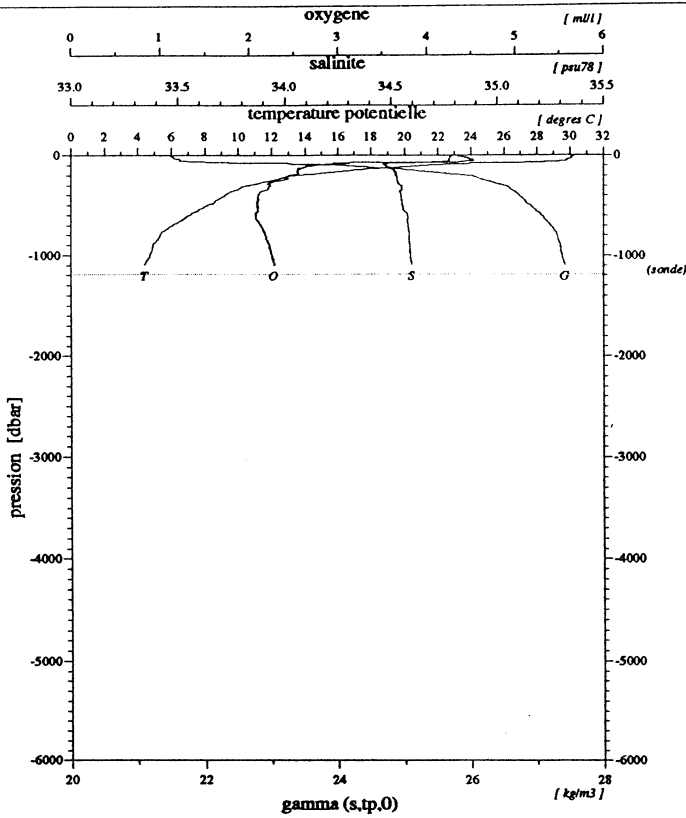


Diagramme salinite / oxygene

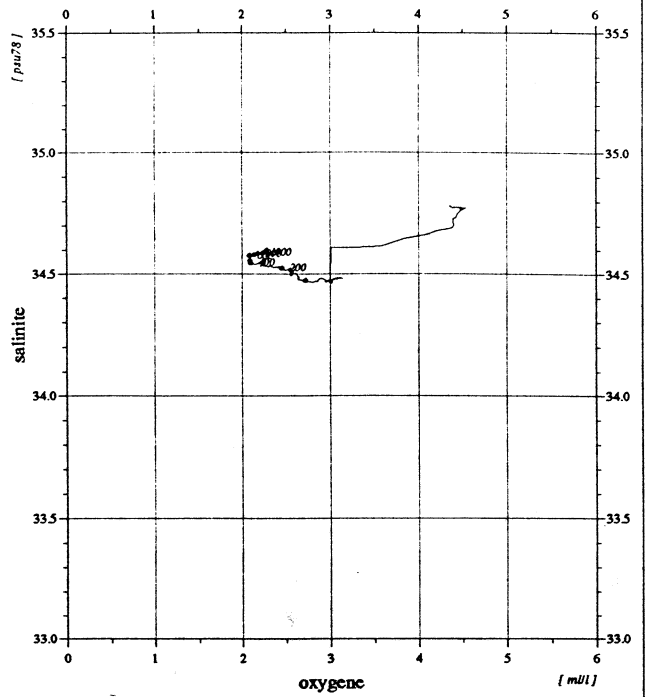


Diagramme temperature potentielle / salinite

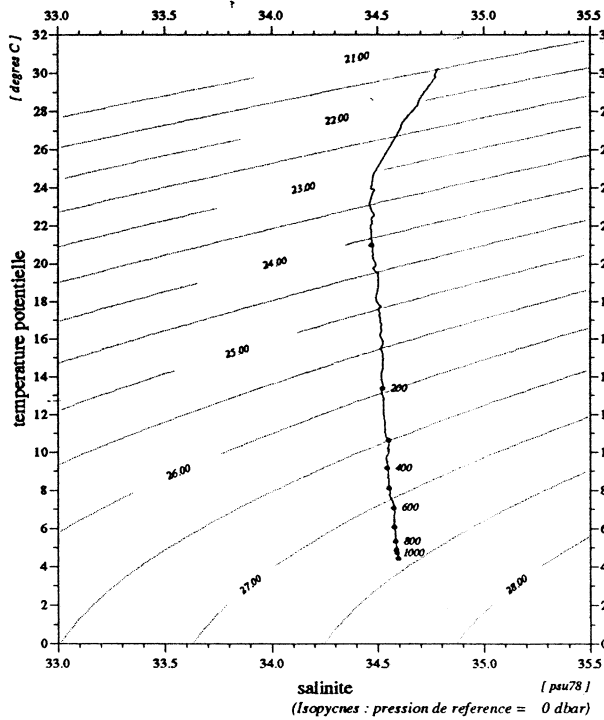
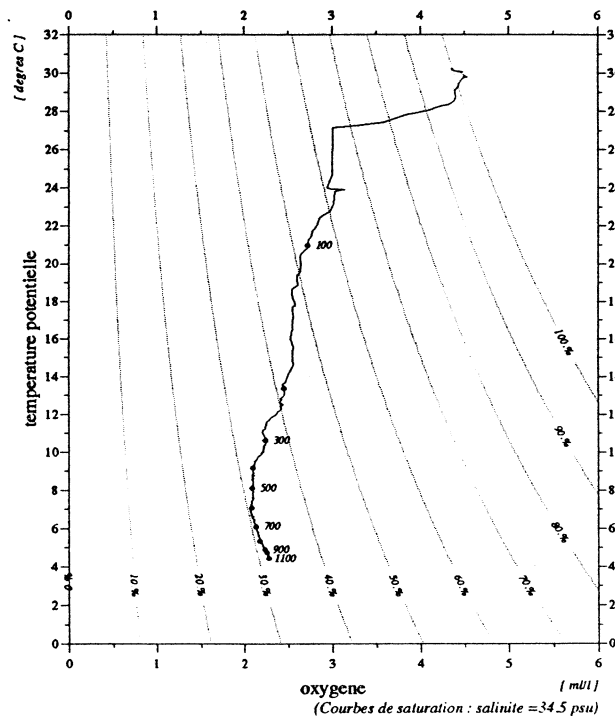


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	1104.
temperature	30.251	4.516
theta	30.250	4.427
salinite	34.785	34.598
gamma (s,tp,0)	21.482	27.421
oxygene	4.36	2.28

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1182 m (1192 dbar)  
 13- 3-1992 11.23' 2 S  
 15.19 tu 123. 2' 0 E

MD71/JADE2

Station 34.70

94/01/24  
13:45:28

STATION-3480

1

JADE 92

station : 34.80

donnees reduites a 10 dbar

le 13/ 3/1992 a 16.07 tu -11.2347 123.0156 sonde: 1197 m (1207.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
4.	4.0	30.525	30.524	34.787	21.389	21.386	37.404	194.6	4.45	102.7	640.1	0.000	1546.5	0.00
10.	9.9	30.506	30.504	34.785	21.395	21.391	37.411	195.2	4.46	103.0	639.9	0.038	1546.6	2.56
20.	19.9	30.249	30.244	34.778	21.479	21.475	37.506	195.9	4.48	102.9	632.3	0.102	1546.2	3.45
30.	29.8	29.806	29.799	34.768	21.623	21.618	37.669	197.8	4.53	103.2	619.0	0.165	1545.5	8.74
40.	39.8	29.742	29.732	34.771	21.648	21.642	37.697	198.1	4.53	103.3	617.1	0.226	1545.5	2.32
50.	49.7	29.731	29.718	34.769	21.651	21.644	37.701	197.9	4.53	103.1	617.3	0.288	1545.7	1.32
60.	59.6	28.994	28.979	34.722	21.864	21.857	37.947	195.2	4.47	100.5	597.3	0.349	1544.2	7.61
70.	69.6	24.229	24.215	34.435	23.152	23.146	39.468	134.5	3.08	64.0	474.2	0.404	1533.1	15.53
80.	79.5	22.671	22.655	34.486	23.644	23.638	40.042	128.1	2.94	59.3	427.5	0.450	1529.4	13.03
90.	89.5	21.407	21.390	34.469	23.985	23.979	40.453	117.7	2.70	53.3	395.3	0.491	1526.2	8.19
100.	99.4	20.360	20.341	34.472	24.270	24.264	40.799	115.9	2.66	51.5	368.3	0.529	1523.5	10.51
110.	109.3	19.615	19.595	34.495	24.484	24.477	41.056	113.7	2.61	49.9	348.2	0.565	1521.7	5.84
120.	119.3	18.891	18.870	34.504	24.676	24.670	41.293	110.0	2.52	47.6	330.2	0.599	1519.8	3.97
130.	129.2	17.836	17.814	34.512	24.945	24.939	41.627	110.1	2.53	46.7	304.7	0.630	1516.9	4.38
140.	139.2	16.900	16.877	34.512	25.170	25.163	41.912	109.1	2.50	45.5	283.5	0.660	1514.3	8.51
150.	149.1	16.032	16.009	34.517	25.375	25.369	42.175	110.2	2.53	45.2	264.1	0.688	1511.8	9.14
160.	159.0	15.318	15.294	34.520	25.538	25.531	42.387	109.5	2.52	44.3	248.8	0.713	1509.8	5.77
170.	169.0	14.615	14.590	34.519	25.691	25.685	42.589	107.9	2.48	43.0	234.4	0.737	1507.7	9.49
180.	178.9	13.561	13.536	34.525	25.917	25.911	42.891	104.8	2.41	41.0	212.9	0.759	1504.5	4.42
190.	188.8	12.962	12.936	34.526	26.039	26.034	43.057	104.9	2.41	40.5	201.3	0.780	1502.6	5.32
200.	198.8	12.840	12.813	34.530	26.067	26.061	43.094	104.3	2.40	40.2	199.0	0.800	1502.4	2.97
220.	218.6	12.504	12.475	34.529	26.132	26.126	43.185	104.8	2.41	40.1	193.2	0.839	1501.6	3.45
240.	238.5	12.046	12.014	34.529	26.221	26.215	43.309	102.1	2.35	38.7	185.1	0.877	1500.4	4.91
260.	258.4	11.494	11.461	34.537	26.331	26.324	43.461	97.5	2.24	36.5	174.9	0.913	1498.8	1.38
280.	278.2	11.069	11.035	34.539	26.411	26.404	43.574	96.2	2.21	35.7	167.7	0.947	1497.7	1.38
300.	298.1	10.822	10.786	34.549	26.463	26.456	43.646	97.6	2.24	36.0	163.1	0.980	1497.2	1.86
320.	317.9	10.393	10.355	34.550	26.540	26.533	43.758	97.6	2.24	35.7	156.0	1.012	1496.0	4.46
340.	337.8	10.170	10.130	34.551	26.579	26.572	43.816	97.2	2.23	35.4	152.5	1.043	1495.5	2.90
360.	357.6	9.970	9.929	34.552	26.614	26.607	43.867	95.9	2.20	34.8	149.5	1.073	1495.1	1.07
380.	377.5	9.636	9.593	34.544	26.665	26.657	43.946	92.6	2.13	33.3	145.0	1.103	1494.2	3.96
400.	397.3	9.357	9.312	34.548	26.714	26.706	44.018	92.3	2.12	33.0	140.5	1.131	1493.5	2.14
420.	417.2	9.228	9.181	34.549	26.736	26.728	44.052	91.6	2.11	32.7	138.7	1.159	1493.4	1.07
440.	437.0	8.870	8.822	34.550	26.795	26.787	44.140	91.0	2.09	32.2	133.3	1.186	1492.4	2.90
460.	456.9	8.674	8.625	34.553	26.828	26.819	44.190	91.0	2.09	32.1	130.4	1.213	1492.0	2.62
480.	476.7	8.312	8.262	34.556	26.886	26.878	44.280	91.4	2.10	31.9	124.9	1.238	1491.0	2.31
500.	496.6	8.087	8.036	34.558	26.922	26.913	44.335	90.8	2.09	31.6	121.7	1.263	1490.5	2.90
550.	546.1	7.635	7.580	34.565	26.994	26.986	44.447	90.5	2.08	31.1	115.2	1.322	1489.6	0.87
600.	595.7	7.127	7.069	34.578	27.077	27.069	44.576	89.7	2.06	30.5	107.6	1.377	1488.5	2.55
650.	645.3	6.605	6.544	34.578	27.149	27.140	44.695	90.6	2.08	30.5	100.9	1.429	1487.3	1.24
700.	694.8	6.075	6.013	34.582	27.221	27.213	44.816	92.2	2.12	30.6	94.1	1.478	1486.0	2.23
750.	744.4	5.518	5.454	34.586	27.294	27.286	44.942	94.7	2.18	31.0	86.9	1.523	1484.6	0.00
800.	793.9	5.360	5.292	34.588	27.314	27.306	44.978	95.9	2.20	31.3	85.4	1.566	1484.8	1.38
850.	843.4	5.097	5.026	34.588	27.346	27.338	45.035	96.5	2.22	31.3	82.5	1.608	1484.6	1.75
900.	892.9	4.954	4.880	34.591	27.365	27.356	45.068	96.9	2.23	31.3	81.0	1.648	1484.8	0.00
950.	942.4	4.916	4.838	34.592	27.370	27.361	45.078	97.9	2.25	31.6	81.0	1.689	1485.5	0.00
1000.	991.9	4.806	4.724	34.594	27.385	27.376	45.103	98.2	2.26	31.6	79.9	1.729	1485.9	0.62
1100.	1090.8	4.503	4.415	34.600	27.424	27.414	45.172	99.4	2.29	31.8	76.6	1.807	1486.3	0.87
fin 1165.	1155.1	4.297	4.204	34.605	27.451	27.441	45.220	100.3	2.31	31.9	74.2	1.856	1486.5	2.05

Vitesse verticale moyenne du son entre 4. et 1165. dbar : 1495.4 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

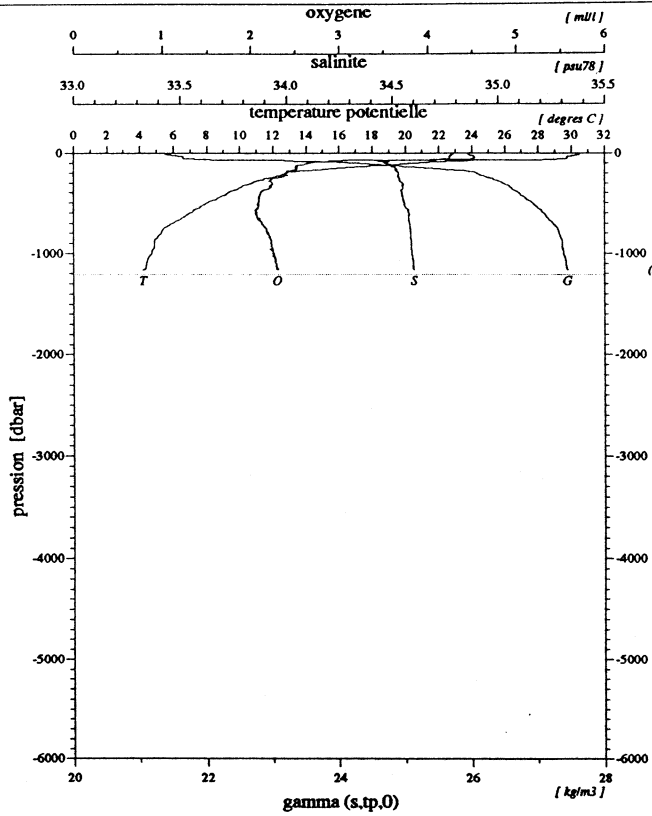


Diagramme salinite / oxygene

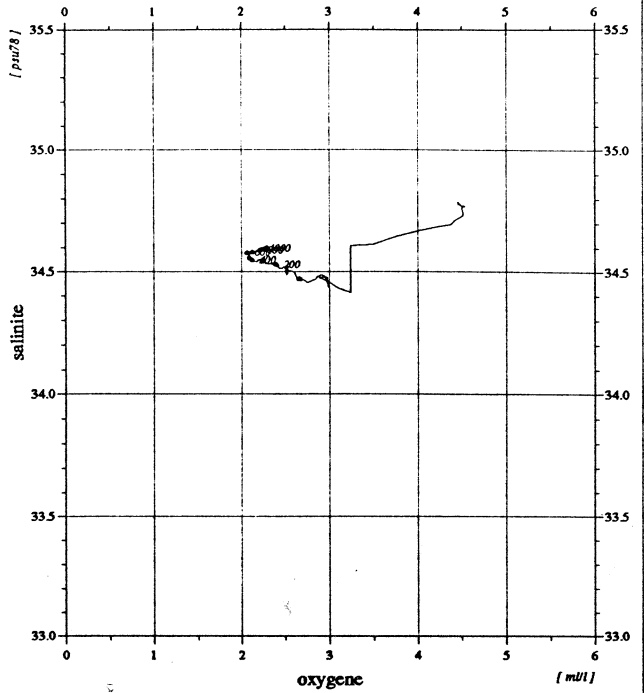


Diagramme temperature potentielle / salinite

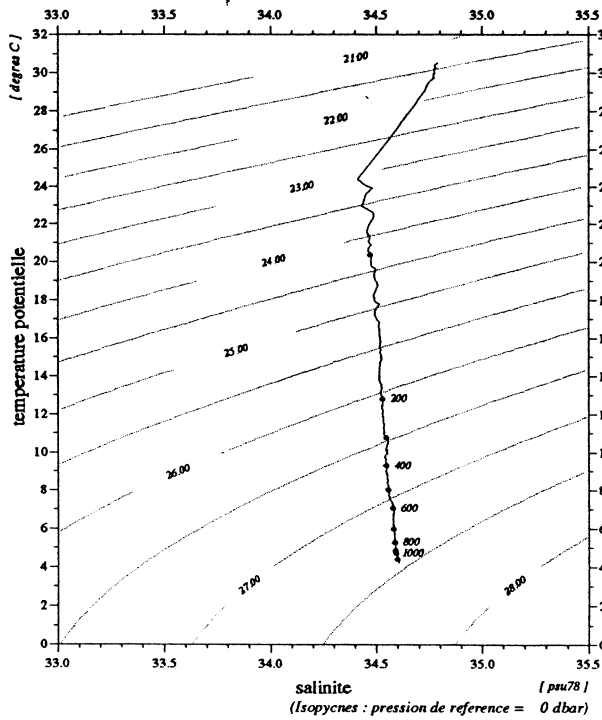
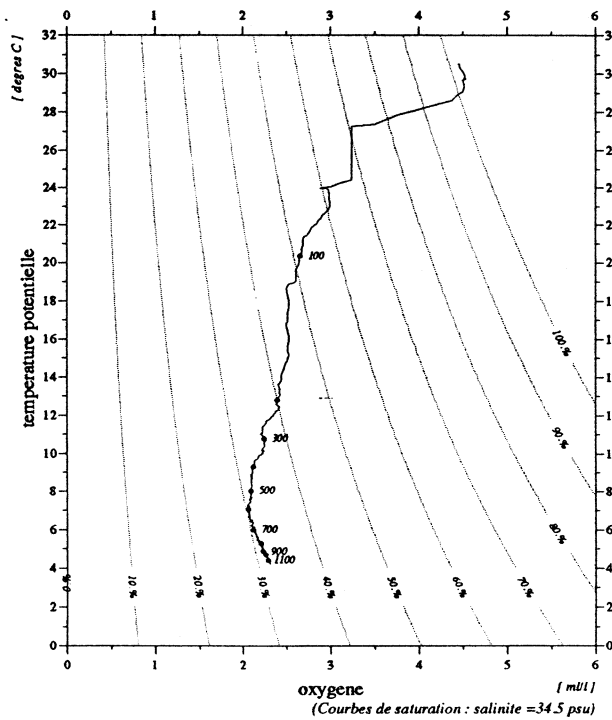


Diagramme temperature potentielle / oxygene



	debut	fin
pression	4.	1165.
temperature	30.525	4.297
theta	30.524	4.204
salinite	34.787	34.605
gamma (s.tp.0)	21.389	27.451
oxygene	4.45	2.31

Niveaux reduits a 1 dbar  
 Bathysonde : NEH-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1197 m (1207 dbar)	
13- 3-1992	11.23' 4 S
16.07 tu	123. 1' 5 E

MD71/JADE2

Station 34.80

94/01/24  
13:45:33

# STATION-3490

1

JADE 92

station : 34.90

donnees reduites a 10 dbar

le 13/ 3/1992 a 17.54 tu -11.2278 123.0193 sonde: 1205 m (1215.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
5.	5.0	30.442	30.441	34.814	21.438	21.435	37.456	201.1	4.60	106.0	635.5	0.000	1546.4	0.00
10.	9.9	30.179	30.177	34.787	21.508	21.505	37.538	203.0	4.64	106.6	629.0	0.032	1545.9	6.69
20.	19.9	29.999	29.994	34.773	21.561	21.557	37.599	200.6	4.59	105.0	624.5	0.094	1545.7	4.82
30.	29.8	29.709	29.702	34.769	21.656	21.651	37.707	200.0	4.58	104.2	615.8	0.156	1545.3	3.16
40.	39.8	29.655	29.645	34.769	21.676	21.670	37.729	200.2	4.58	104.2	614.4	0.218	1545.3	2.56
50.	49.7	29.512	29.500	34.754	21.714	21.708	37.774	200.2	4.58	104.0	611.2	0.279	1545.2	7.53
60.	59.6	27.283	27.270	34.627	22.352	22.346	38.515	183.2	4.19	91.7	550.5	0.337	1540.3	13.30
70.	69.6	24.616	24.601	34.479	23.070	23.063	39.365	119.6	2.74	57.2	482.1	0.390	1534.1	18.53
80.	79.5	22.954	22.937	34.461	23.544	23.538	39.927	129.8	2.97	60.4	437.0	0.435	1530.1	11.26
90.	89.5	20.912	20.895	34.478	24.126	24.120	40.623	118.0	2.71	53.0	381.7	0.476	1524.9	11.52
100.	99.4	20.605	20.586	34.482	24.212	24.206	40.726	119.8	2.75	53.5	373.9	0.513	1524.2	1.75
110.	109.3	19.804	19.784	34.483	24.426	24.419	40.987	116.9	2.68	51.5	353.8	0.550	1522.2	9.89
120.	119.3	18.841	18.820	34.493	24.681	24.674	41.300	114.5	2.63	49.5	329.7	0.584	1519.6	7.14
130.	129.2	17.491	17.469	34.508	25.025	25.019	41.730	113.8	2.61	48.0	297.0	0.615	1515.9	7.35
140.	139.2	17.011	16.988	34.517	25.148	25.141	41.883	114.2	2.62	47.7	285.6	0.644	1514.6	2.63
150.	149.1	16.807	16.783	34.519	25.198	25.191	41.946	113.3	2.60	47.2	281.2	0.673	1514.2	3.45
160.	159.0	16.382	16.357	34.518	25.296	25.289	42.073	112.9	2.59	46.6	272.1	0.700	1513.1	7.03
170.	169.0	15.560	15.534	34.520	25.484	25.478	42.317	113.2	2.60	46.0	254.3	0.727	1510.7	5.97
180.	178.9	14.643	14.617	34.525	25.689	25.683	42.586	114.1	2.62	45.6	234.8	0.751	1508.0	6.28
190.	188.8	14.111	14.083	34.526	25.804	25.797	42.738	111.3	2.56	44.0	224.1	0.774	1506.4	2.77
200.	198.8	13.835	13.807	34.528	25.863	25.857	42.818	107.4	2.47	42.2	218.6	0.796	1505.7	2.05
220.	218.6	12.829	12.799	34.531	26.070	26.063	43.098	106.2	2.44	40.9	199.2	0.838	1502.7	1.75
240.	238.5	12.414	12.382	34.528	26.150	26.143	43.209	106.2	2.44	40.5	192.0	0.877	1501.6	5.29
260.	258.4	11.842	11.808	34.533	26.264	26.257	43.367	100.4	2.31	37.9	181.5	0.914	1500.0	3.03
280.	278.2	10.975	10.941	34.534	26.424	26.417	43.595	97.3	2.24	36.0	166.3	0.949	1497.3	6.28
300.	298.1	10.555	10.519	34.552	26.513	26.506	43.718	98.5	2.27	36.2	158.1	0.981	1496.2	4.29
320.	317.9	10.063	10.026	34.554	26.600	26.593	43.845	97.4	2.24	35.4	150.1	1.012	1494.8	3.44
340.	337.8	9.925	9.885	34.549	26.620	26.613	43.876	96.6	2.22	35.0	148.5	1.042	1494.6	2.70
360.	357.6	9.613	9.572	34.544	26.668	26.661	43.951	93.3	2.14	33.6	144.2	1.071	1493.8	3.15
380.	377.5	9.286	9.244	34.547	26.724	26.717	44.034	92.5	2.13	33.0	139.1	1.099	1492.9	2.14
400.	397.3	9.026	8.983	34.548	26.767	26.760	44.099	92.4	2.12	32.8	135.2	1.127	1492.3	3.61
420.	417.2	8.665	8.620	34.551	26.827	26.820	44.190	92.0	2.12	32.4	129.6	1.153	1491.3	2.47
440.	437.0	8.552	8.505	34.553	26.846	26.839	44.219	91.5	2.10	32.2	128.1	1.179	1491.2	1.07
460.	456.9	8.198	8.150	34.556	26.903	26.895	44.306	91.3	2.10	31.8	122.8	1.204	1490.2	1.52
480.	476.7	8.017	7.968	34.557	26.931	26.923	44.350	91.5	2.10	31.8	120.3	1.229	1489.9	3.15
500.	496.6	7.924	7.873	34.559	26.947	26.939	44.374	91.3	2.10	31.6	119.1	1.252	1489.9	0.62
550.	546.1	7.688	7.633	34.562	26.984	26.976	44.432	91.5	2.10	31.5	116.2	1.311	1489.8	1.38
600.	595.7	7.300	7.241	34.576	27.051	27.043	44.535	90.5	2.08	30.9	110.3	1.368	1489.2	1.38
650.	645.3	6.955	6.893	34.581	27.104	27.095	44.618	90.1	2.07	30.5	105.7	1.422	1488.7	1.07
700.	694.8	6.589	6.524	34.578	27.151	27.142	44.699	91.0	2.09	30.6	101.4	1.474	1488.0	1.38
750.	744.4	5.961	5.894	34.581	27.235	27.227	44.842	93.5	2.15	31.0	93.2	1.523	1486.4	1.86
800.	793.9	5.345	5.278	34.586	27.315	27.306	44.979	95.0	2.18	31.0	85.3	1.568	1484.8	1.38
850.	843.4	4.925	4.856	34.590	27.367	27.359	45.072	97.9	2.25	31.6	80.2	1.609	1483.9	1.51
900.	892.9	4.835	4.762	34.592	27.379	27.370	45.093	97.9	2.25	31.6	79.4	1.649	1484.3	0.00
950.	942.4	4.694	4.618	34.594	27.397	27.388	45.125	98.5	2.27	31.7	78.0	1.688	1484.6	1.07
1000.	991.9	4.596	4.516	34.597	27.410	27.401	45.149	99.0	2.28	31.8	77.1	1.727	1485.0	0.87
1100.	1090.8	4.427	4.339	34.600	27.432	27.423	45.188	100.4	2.31	32.1	75.6	1.803	1486.0	0.00
fin	1164.	1154.1	4.264	4.172	34.605	27.454	27.444	45.226	102.4	2.36	73.9	1.851	1486.4	1.38

Vitesse verticale moyenne du son entre 5. et 1164. dbar : 1495.4 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

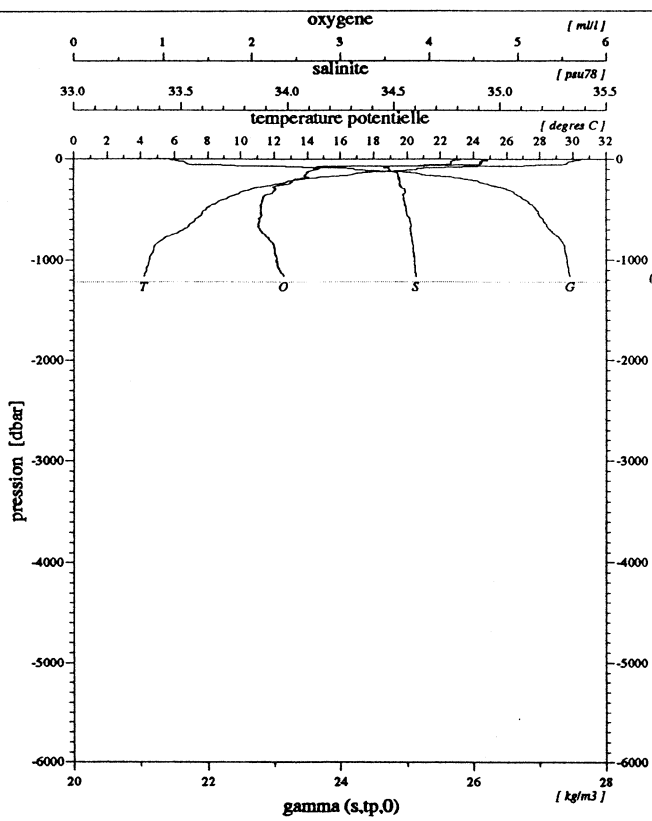


Diagramme salinite / oxygene

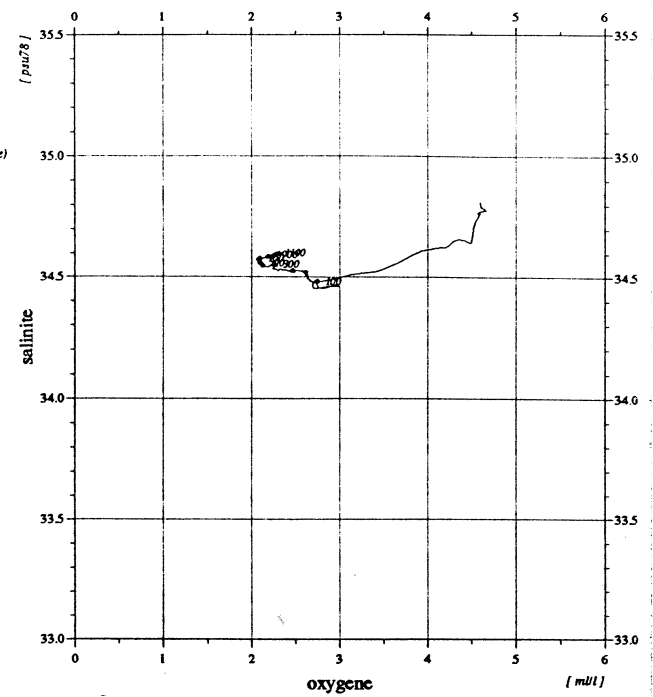


Diagramme temperature potentielle / salinite

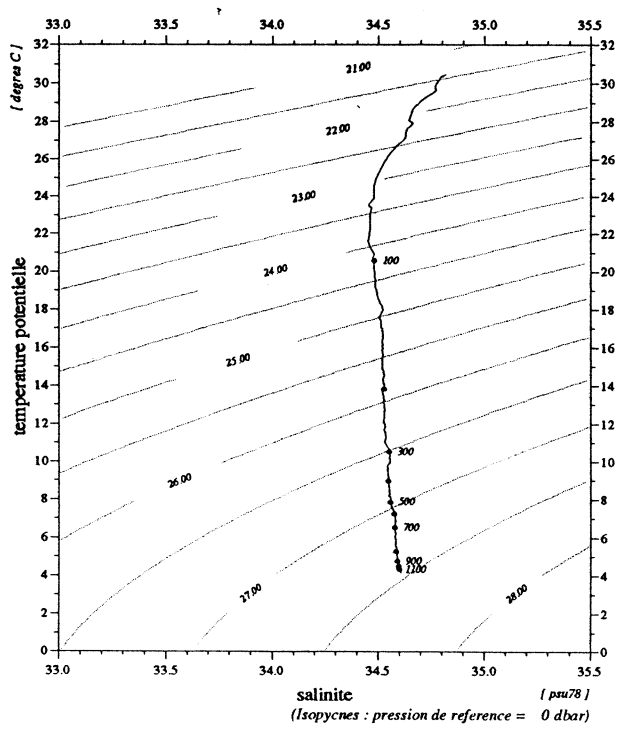
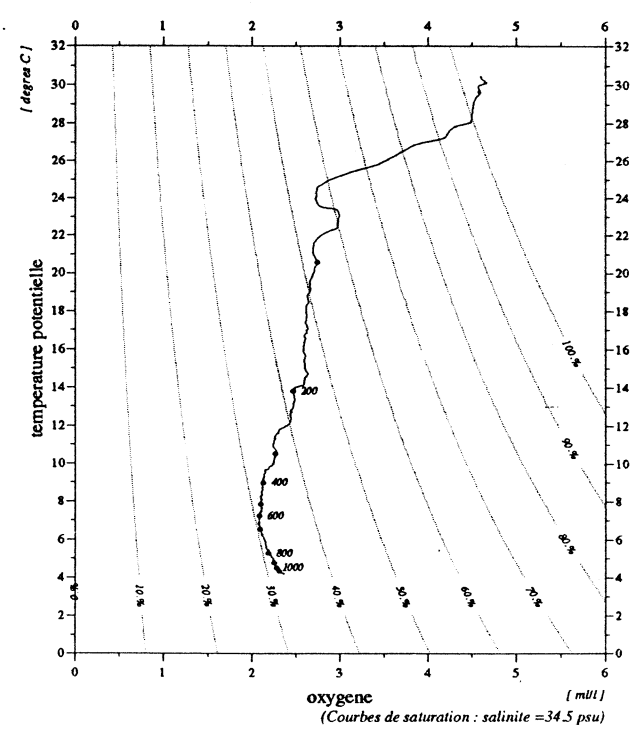


Diagramme temperature potentielle / oxygene



	debut	fin
pression	5.	1164.
temperature	30.442	4.264
theta	30.441	4.172
salinite	34.814	34.605
gamma (s,tp,0)	21.438	27.454
oxygene	4.60	2.36

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1205 m (1215 dbar)	
13- 3-1992	11.22' 7 S
17.54 tu	123. 1' 9 E

MD71/JADE2

Station 34.90

JADE 92

station : 84.00

donnees reduites a 10 dbar

le 13/ 3/1992 a 18.47 tu -11.2266 123.0125 sonde: 1219 m (1230.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.452	30.452	34.818	21.437	21.435	37.455	192.7	4.41	101.6	635.4	0.000	1546.4	0.00
10.	9.9	30.387	30.384	34.805	21.451	21.448	37.472	189.4	4.33	99.8	634.5	0.051	1546.4	7.00
20.	19.9	29.857	29.852	34.779	21.613	21.609	37.657	195.5	4.47	102.1	619.4	0.113	1545.4	5.53
30.	29.8	29.687	29.680	34.775	21.669	21.664	37.720	199.1	4.55	103.7	614.6	0.175	1545.2	0.88
40.	39.8	29.636	29.626	34.771	21.684	21.679	37.738	199.8	4.57	104.0	613.6	0.236	1545.3	3.72
50.	49.7	29.455	29.443	34.755	21.734	21.728	37.796	199.8	4.57	103.7	609.3	0.298	1545.1	6.49
60.	59.6	26.815	26.801	34.607	22.487	22.481	38.672	168.9	3.87	83.9	537.5	0.355	1539.3	6.90
70.	69.6	24.465	24.450	34.490	23.123	23.117	39.426	141.6	3.24	67.6	477.0	0.408	1533.7	26.97
80.	79.5	23.411	23.394	34.464	23.415	23.408	39.773	129.9	2.98	60.9	449.5	0.454	1531.2	7.92
90.	89.5	22.054	22.036	34.457	23.797	23.791	40.229	122.1	2.80	55.9	413.3	0.498	1527.9	12.56
100.	99.4	20.508	20.489	34.481	24.238	24.232	40.758	116.4	2.67	51.9	371.4	0.536	1524.0	4.88
110.	109.3	19.757	19.737	34.486	24.440	24.433	41.004	114.7	2.63	50.4	352.5	0.573	1522.1	9.57
120.	119.3	18.384	18.363	34.506	24.805	24.798	41.452	112.2	2.58	48.1	317.9	0.606	1518.3	9.16
130.	129.2	17.112	17.090	34.513	25.120	25.114	41.849	112.6	2.58	47.1	288.0	0.637	1514.8	9.53
140.	139.2	16.794	16.771	34.522	25.203	25.196	41.952	112.3	2.58	46.7	280.4	0.665	1514.0	2.40
150.	149.1	16.511	16.487	34.523	25.270	25.263	42.038	112.4	2.58	46.5	274.3	0.693	1513.3	6.95
160.	159.0	15.653	15.628	34.525	25.467	25.461	42.293	110.2	2.53	44.9	255.6	0.719	1510.8	6.00
170.	169.0	14.595	14.570	34.527	25.701	25.695	42.601	110.8	2.55	44.2	233.4	0.744	1507.7	4.06
180.	178.9	14.115	14.089	34.527	25.804	25.798	42.738	108.8	2.50	43.0	223.8	0.767	1506.3	5.67
190.	188.8	13.802	13.775	34.528	25.870	25.863	42.826	106.4	2.44	41.8	217.7	0.789	1505.4	3.39
200.	198.8	13.006	12.979	34.528	26.032	26.026	43.047	105.4	2.42	40.7	202.3	0.810	1503.0	5.60
220.	218.6	12.707	12.677	34.533	26.096	26.089	43.133	103.4	2.38	39.7	196.7	0.849	1502.3	2.90
240.	238.5	12.226	12.194	34.533	26.190	26.183	43.263	104.9	2.41	39.9	188.2	0.888	1501.0	2.90
260.	258.4	11.459	11.426	34.537	26.338	26.331	43.471	96.2	2.21	36.0	174.3	0.924	1498.7	3.39
280.	278.2	10.762	10.728	34.549	26.474	26.467	43.662	97.9	2.25	36.1	161.5	0.958	1496.6	2.55
300.	298.1	10.442	10.406	34.554	26.534	26.527	43.748	96.6	2.22	35.4	156.1	0.990	1495.8	4.95
320.	317.9	10.106	10.068	34.553	26.591	26.585	43.833	96.1	2.21	34.9	150.9	1.021	1494.9	3.86
340.	337.8	9.921	9.882	34.548	26.619	26.612	43.876	95.1	2.18	34.4	148.6	1.051	1494.6	4.15
360.	357.6	9.390	9.350	34.546	26.706	26.699	44.007	92.3	2.12	33.1	140.4	1.080	1493.0	3.09
380.	377.5	9.198	9.155	34.549	26.740	26.733	44.057	90.4	2.08	32.2	137.5	1.107	1492.6	1.38
400.	397.3	8.908	8.865	34.550	26.788	26.781	44.130	90.8	2.09	32.2	133.2	1.135	1491.9	3.21
420.	417.2	8.731	8.686	34.553	26.818	26.810	44.175	90.7	2.09	32.0	130.6	1.161	1491.6	0.62
440.	437.0	8.655	8.608	34.554	26.831	26.823	44.195	90.7	2.09	32.0	129.6	1.187	1491.6	0.87
460.	456.9	8.542	8.494	34.554	26.849	26.841	44.222	90.1	2.07	31.7	128.3	1.213	1491.5	3.55
480.	476.7	8.265	8.215	34.558	26.894	26.887	44.292	90.8	2.09	31.7	124.0	1.238	1490.8	1.52
500.	496.6	8.085	8.033	34.558	26.922	26.914	44.336	90.9	2.09	31.6	121.6	1.263	1490.5	1.52
550.	546.1	7.655	7.599	34.563	26.990	26.982	44.441	91.1	2.09	31.4	115.6	1.322	1489.7	1.96
600.	595.7	7.265	7.207	34.576	27.056	27.048	44.543	90.1	2.07	30.8	109.8	1.378	1489.0	1.38
650.	645.3	6.886	6.824	34.581	27.113	27.105	44.634	88.3	2.03	29.9	104.7	1.431	1488.4	0.00
700.	694.8	6.396	6.331	34.579	27.177	27.169	44.743	91.2	2.10	30.5	98.6	1.482	1487.3	2.77
750.	744.4	5.925	5.859	34.583	27.241	27.233	44.851	91.8	2.11	30.4	92.6	1.530	1486.3	1.24
800.	793.9	5.526	5.457	34.587	27.294	27.285	44.942	92.9	2.14	30.5	87.6	1.575	1485.5	0.00
850.	843.4	5.318	5.245	34.589	27.320	27.312	44.988	94.1	2.16	30.7	85.3	1.619	1485.5	0.87
900.	892.9	5.135	5.060	34.588	27.342	27.333	45.028	96.1	2.21	31.2	83.6	1.661	1485.6	0.62
950.	942.4	4.868	4.790	34.592	27.376	27.367	45.088	97.6	2.25	31.5	80.4	1.701	1485.3	0.00
1000.	991.9	4.680	4.599	34.596	27.400	27.391	45.131	98.7	2.27	31.7	78.2	1.741	1485.4	1.75
1100.	1090.8	4.440	4.352	34.600	27.431	27.421	45.185	100.5	2.31	32.1	75.8	1.818	1486.0	1.75
1200.	1189.7	4.132	4.038	34.609	27.472	27.462	45.257	102.1	2.35	32.4	72.2	1.892	1486.4	0.00
fin	1201.	1190.7	4.129	4.035	34.609	27.472	45.257	102.1	2.35	32.4	72.1	1.893	1486.4	0.87

Vitesse verticale moyenne du son entre 2. et 1201. dbar : 1495.2 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

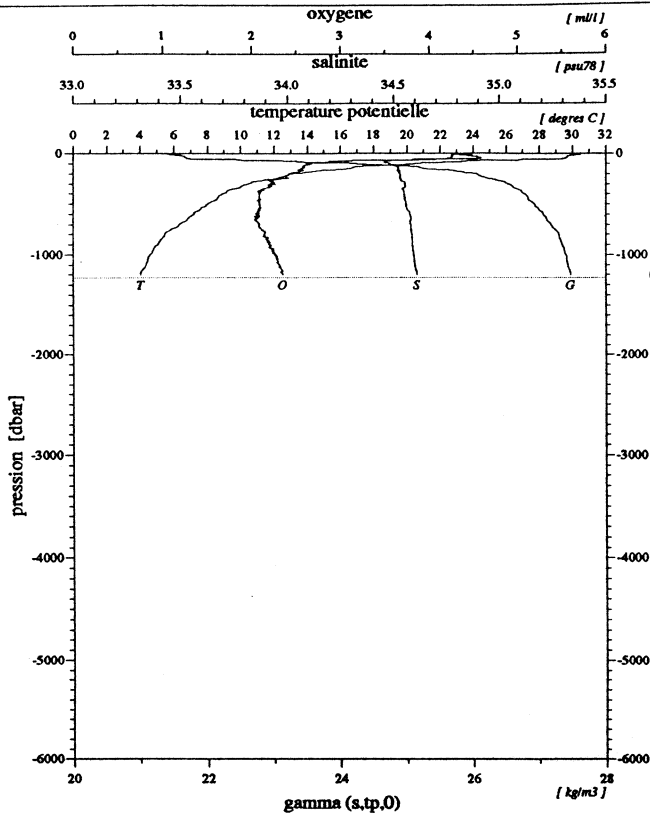


Diagramme salinite / oxygene

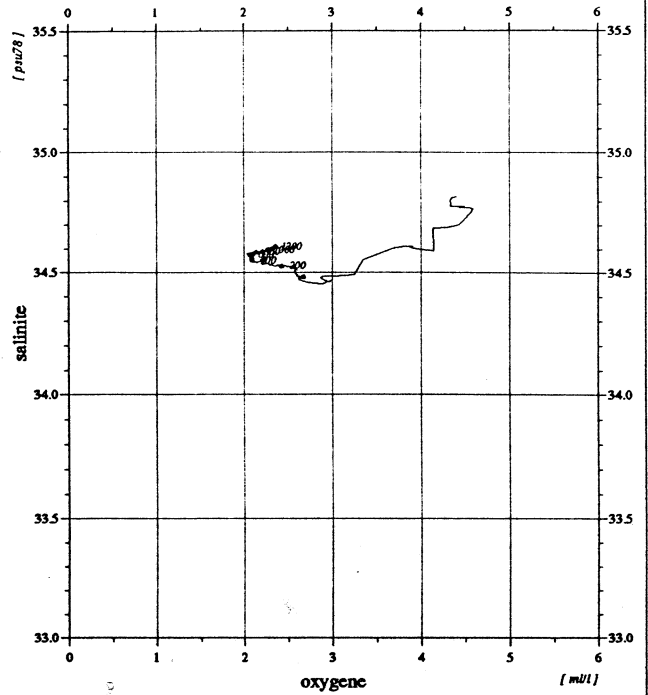


Diagramme temperature potentielle / salinite

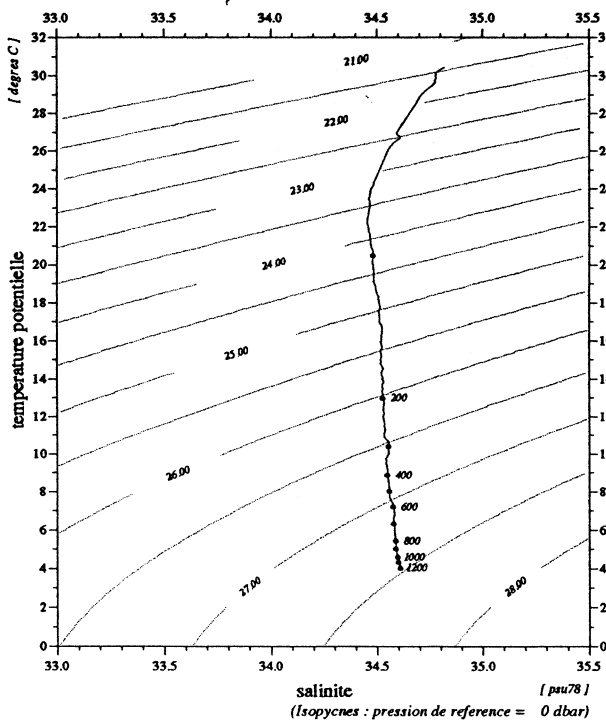
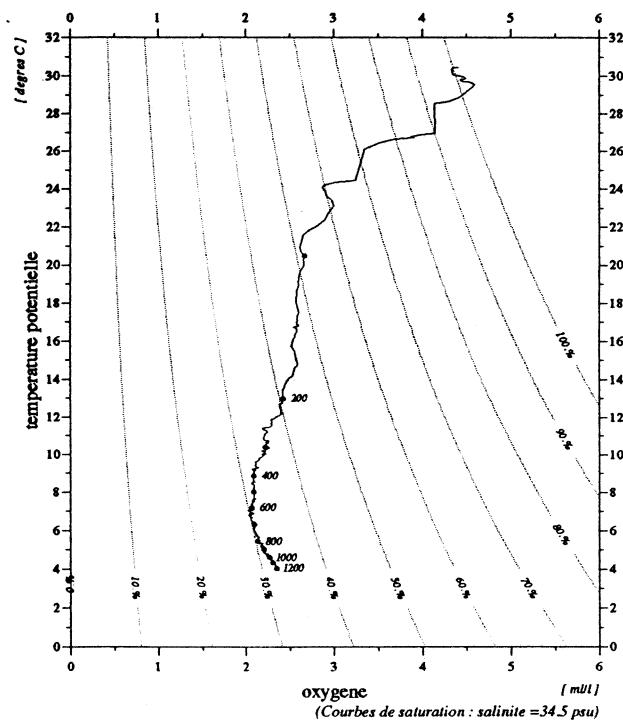


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1201.
temperature	30.452	4.129
theta	30.452	4.035
salinite	34.818	34.609
gamma (s,tp,0)	21.437	27.472
oxygene	4.41	2.35

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1219 m (1230 dbar)	
13- 3-1992	11.22' 6 S
18.47 tu	123. 1' 2 E

MD71/JADE2

Station 84.00

94/01/24  
13:45:43

STATION-8410

1

JADE 92

station : 84.10

donnees reduites a 10 dbar

le 13/ 3/1992 a 20.55 tu -11.2348 123.0228 sonde: 1182 m (1192.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.382	30.382	34.802	21.450	21.447	37.470	202.9	4.64	106.9	634.2	0.000	1546.2	0.00
10.	9.9	30.376	30.373	34.798	21.449	21.446	37.470	200.6	4.59	105.6	634.7	0.051	1546.3	2.59
20.	19.9	30.074	30.069	34.784	21.543	21.539	37.577	201.7	4.61	105.7	626.2	0.114	1545.9	3.67
30.	29.8	29.777	29.769	34.784	21.645	21.640	37.692	201.1	4.60	104.9	616.9	0.176	1545.4	6.40
40.	39.8	29.463	29.453	34.763	21.737	21.731	37.798	202.2	4.62	104.9	608.6	0.237	1544.9	2.32
50.	49.7	29.416	29.404	34.761	21.752	21.745	37.815	199.4	4.56	103.4	607.6	0.298	1545.0	1.39
60.	59.6	28.236	28.222	34.666	22.073	22.066	38.190	181.4	4.15	92.3	577.2	0.359	1542.5	28.84
70.	69.6	26.955	26.939	34.618	22.451	22.444	38.629	155.4	3.56	77.4	541.4	0.414	1539.8	4.74
80.	79.5	23.776	23.760	34.476	23.317	23.311	39.656	125.8	2.88	59.4	458.8	0.462	1532.2	7.80
90.	89.5	22.526	22.508	34.455	23.662	23.656	40.069	121.7	2.79	56.2	426.2	0.507	1529.1	14.59
100.	99.4	20.534	20.516	34.485	24.234	24.228	40.752	116.6	2.67	52.0	371.8	0.546	1524.0	5.29
110.	109.3	20.051	20.031	34.481	24.359	24.352	40.906	116.4	2.67	51.4	360.2	0.583	1522.9	7.98
120.	119.3	18.340	18.320	34.505	24.815	24.809	41.465	112.7	2.59	48.3	316.9	0.616	1518.2	15.91
130.	129.2	17.400	17.378	34.511	25.050	25.044	41.760	112.8	2.59	47.5	294.7	0.647	1515.6	12.91
140.	139.2	16.850	16.827	34.518	25.186	25.180	41.932	112.6	2.58	46.9	282.0	0.676	1514.2	5.33
150.	149.1	16.634	16.609	34.521	25.240	25.233	42.000	112.6	2.59	46.7	277.2	0.704	1513.7	4.91
160.	159.0	16.063	16.037	34.534	25.381	25.374	42.179	110.7	2.54	45.4	263.9	0.731	1512.1	9.69
170.	169.0	15.101	15.075	34.528	25.593	25.586	42.457	113.2	2.60	45.6	243.8	0.756	1509.3	3.77
180.	178.9	14.717	14.691	34.527	25.675	25.669	42.566	113.4	2.61	45.3	236.2	0.780	1508.2	5.84
190.	188.8	14.111	14.083	34.527	25.805	25.798	42.739	114.1	2.62	45.1	224.0	0.803	1506.4	5.29
200.	198.8	13.386	13.358	34.528	25.956	25.950	42.943	108.2	2.48	42.1	209.7	0.824	1504.2	4.99
220.	218.6	12.563	12.533	34.531	26.122	26.116	43.171	107.4	2.47	41.1	194.1	0.864	1501.8	1.75
240.	238.5	12.102	12.071	34.530	26.211	26.205	43.295	104.1	2.39	39.5	186.1	0.902	1500.6	2.05
260.	258.4	11.299	11.267	34.535	26.366	26.359	43.511	97.9	2.25	36.5	171.5	0.938	1498.1	3.22
280.	278.2	10.634	10.601	34.551	26.497	26.491	43.696	99.7	2.29	36.7	159.2	0.971	1496.2	3.27
300.	298.1	10.199	10.164	34.553	26.576	26.569	43.809	98.4	2.26	35.8	152.0	1.002	1494.9	3.71
320.	317.9	9.973	9.936	34.553	26.614	26.608	43.867	96.8	2.23	35.1	148.7	1.032	1494.5	3.66
340.	337.8	9.700	9.661	34.545	26.654	26.647	43.929	93.6	2.15	33.7	145.2	1.061	1493.8	2.55
360.	357.6	9.527	9.486	34.546	26.684	26.677	43.974	92.8	2.13	33.3	142.6	1.090	1493.5	2.62
380.	377.5	9.228	9.186	34.547	26.734	26.727	44.049	92.0	2.12	32.8	138.1	1.118	1492.7	3.39
400.	397.3	9.117	9.073	34.550	26.755	26.747	44.079	92.3	2.12	32.8	136.5	1.145	1492.7	0.00
420.	417.2	8.865	8.820	34.550	26.795	26.788	44.141	92.2	2.12	32.6	132.8	1.172	1492.1	3.27
440.	437.0	8.727	8.680	34.553	26.819	26.811	44.177	91.5	2.10	32.3	130.9	1.199	1491.9	0.87
460.	456.9	8.650	8.600	34.553	26.832	26.824	44.196	91.9	2.11	32.4	130.0	1.225	1491.9	1.52
480.	476.7	8.468	8.417	34.555	26.861	26.853	44.241	91.3	2.10	32.0	127.4	1.251	1491.6	2.55
500.	496.6	8.250	8.198	34.556	26.896	26.888	44.295	92.3	2.12	32.2	124.3	1.276	1491.1	2.90
550.	546.1	7.766	7.710	34.561	26.972	26.964	44.414	92.1	2.12	31.8	117.4	1.336	1490.1	1.96
600.	595.7	7.288	7.229	34.577	27.054	27.045	44.538	90.3	2.08	30.8	110.0	1.394	1489.1	2.55
650.	645.3	6.941	6.879	34.583	27.107	27.099	44.623	87.9	2.02	29.8	105.3	1.447	1488.6	1.86
700.	694.8	6.525	6.460	34.580	27.161	27.152	44.715	90.1	2.07	30.2	100.4	1.499	1487.8	2.97
750.	744.4	6.009	5.942	34.581	27.229	27.221	44.832	91.3	2.10	30.3	93.8	1.548	1486.6	2.90
800.	793.9	5.752	5.681	34.586	27.266	27.257	44.892	92.7	2.13	30.5	90.7	1.594	1486.4	0.62
850.	843.4	5.477	5.404	34.589	27.301	27.292	44.954	93.3	2.14	30.5	87.4	1.638	1486.1	0.87
900.	892.9	5.336	5.259	34.589	27.319	27.310	44.985	95.0	2.19	31.0	86.1	1.681	1486.4	0.00
950.	942.4	5.001	4.922	34.592	27.361	27.351	45.059	96.5	2.22	31.3	82.1	1.724	1485.9	1.07
1000.	991.9	4.890	4.807	34.594	27.375	27.366	45.085	97.5	2.24	31.5	81.1	1.764	1486.2	0.62
1100.	1090.8	4.472	4.384	34.601	27.428	27.418	45.179	100.0	2.30	32.0	76.2	1.843	1486.2	1.64
1162.	1152.2	4.341	4.249	34.604	27.445	27.435	45.210	101.3	2.33	32.3	74.9	1.890	1486.7	1.75

fin

Vitesse verticale moyenne du son entre 2. et 1162. dbar : 1496.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

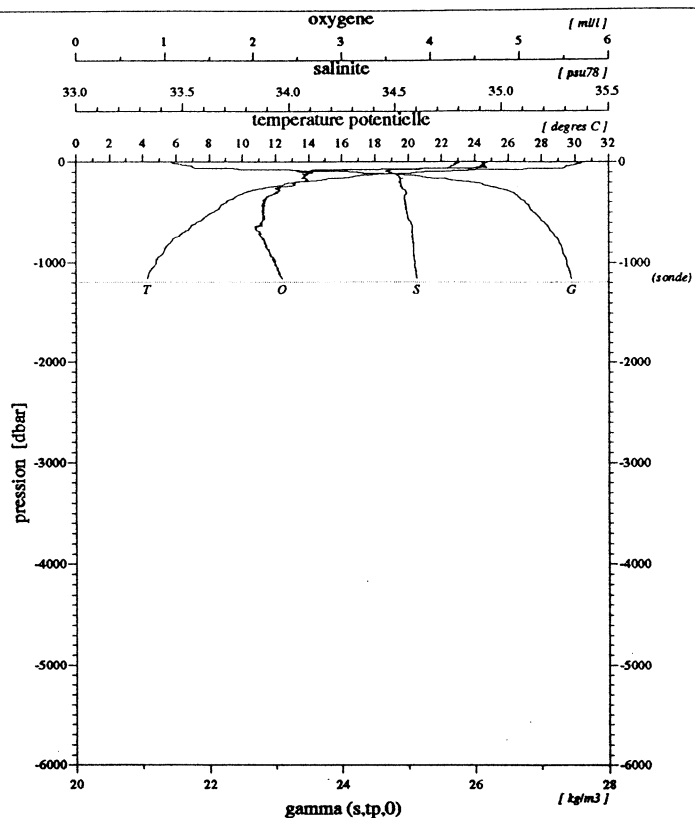


Diagramme salinite / oxygene

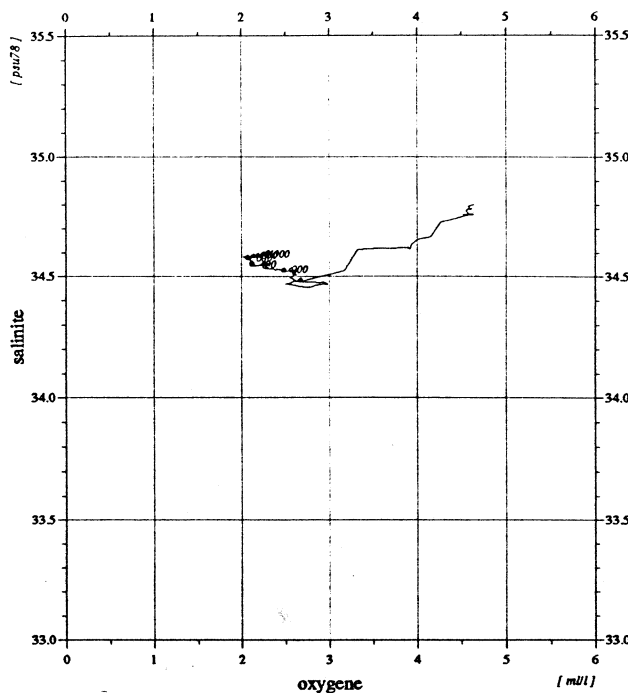


Diagramme temperature potentielle / salinite

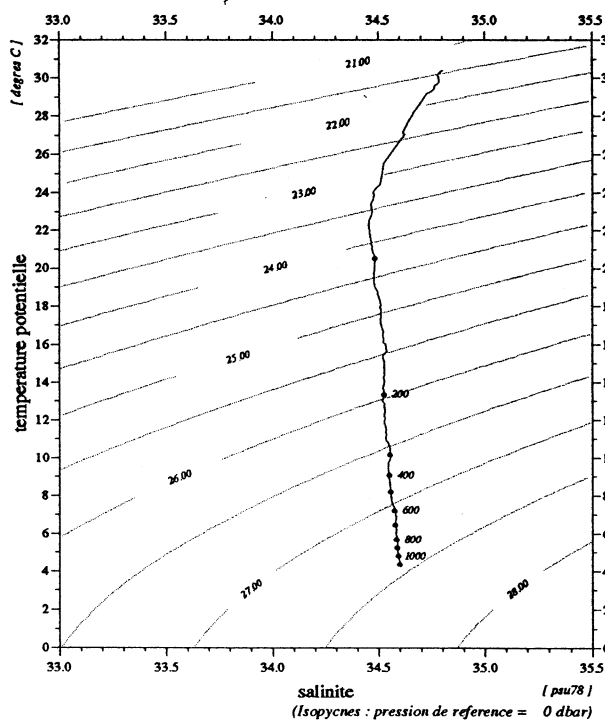
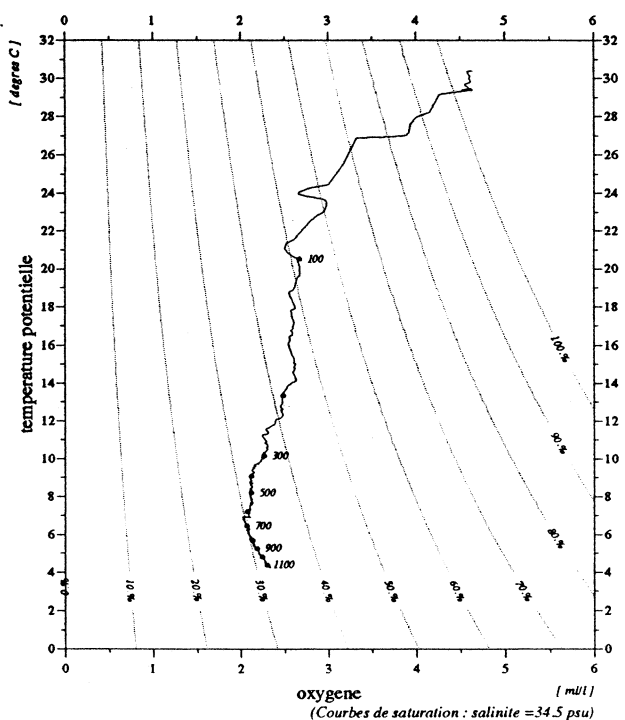


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1162.
temperature	30.382	4.341
theta	30.382	4.249
salinite	34.802	34.604
gamma (s,tp,0)	21.450	27.445
oxygene	4.64	2.33

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1182 m (1192 dbar)	
13- 3-1992	11.23' 4 S
20.55 tu	123. 2' 2 E

MD71/JADE2

Station 84.10

94/01/24  
13:45:48

1

STATION-8420

JADE 92

station : 84.20

donnees reduites a 10 dbar

le 13/ 3/1992 a 21.45 tu -11.2360 123.0186 sonde: 1182 m (1192.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
6.	6.0	30.374	30.372	34.797	21.448	21.446	37.470	187.1	4.28	98.5	634.5	0.000	1546.3	0.00
10.	9.9	30.382	30.379	34.799	21.448	21.444	37.469	187.3	4.28	98.6	634.8	0.025	1546.4	1.70
20.	19.9	29.977	29.972	34.781	21.574	21.570	37.613	185.7	4.25	97.2	623.2	0.088	1545.7	8.18
30.	29.8	29.683	29.676	34.775	21.670	21.665	37.721	192.1	4.39	100.1	614.5	0.150	1545.2	4.07
40.	39.8	29.381	29.372	34.756	21.759	21.753	37.824	188.9	4.32	97.9	606.4	0.211	1544.7	3.34
50.	49.7	29.335	29.323	34.755	21.775	21.768	37.842	187.6	4.29	97.2	605.4	0.272	1544.8	1.39
60.	59.6	29.283	29.269	34.753	21.791	21.784	37.860	189.0	4.32	97.8	604.3	0.332	1544.9	0.00
70.	69.6	26.802	26.786	34.591	22.480	22.473	38.665	159.1	3.64	79.0	538.7	0.390	1539.4	9.63
80.	79.5	23.873	23.856	34.471	23.285	23.278	39.619	121.9	2.79	57.6	461.9	0.440	1532.4	8.73
90.	89.5	22.901	22.883	34.461	23.560	23.554	39.947	126.8	2.91	58.9	435.9	0.485	1530.1	10.63
100.	99.4	20.692	20.673	34.479	24.187	24.180	40.696	112.9	2.59	50.5	376.3	0.526	1524.5	9.02
110.	109.3	20.337	20.317	34.478	24.281	24.274	40.811	114.8	2.63	51.0	367.7	0.563	1523.7	8.54
120.	119.3	18.951	18.929	34.493	24.653	24.646	41.266	112.8	2.59	48.9	332.4	0.598	1520.0	8.17
130.	129.2	18.051	18.028	34.509	24.891	24.884	41.559	111.9	2.57	47.7	310.0	0.630	1517.5	3.77
140.	139.2	17.153	17.130	34.514	25.111	25.105	41.837	110.7	2.54	46.4	289.1	0.660	1515.1	6.67
150.	149.1	16.782	16.757	34.519	25.203	25.196	41.953	110.3	2.53	45.9	280.7	0.688	1514.1	2.55
160.	159.0	16.549	16.523	34.521	25.259	25.252	42.025	109.6	2.52	45.4	275.6	0.716	1513.6	4.67
170.	169.0	15.601	15.574	34.520	25.476	25.469	42.305	111.0	2.55	45.1	255.1	0.743	1510.8	7.56
180.	178.9	15.124	15.097	34.528	25.588	25.581	42.450	112.6	2.59	45.4	244.6	0.767	1509.5	3.50
190.	188.8	14.766	14.737	34.527	25.665	25.658	42.552	112.3	2.58	45.0	237.5	0.792	1508.5	7.80
200.	198.8	14.182	14.153	34.525	25.789	25.782	42.718	112.8	2.59	44.6	225.9	0.815	1506.8	7.19
220.	218.6	13.153	13.123	34.527	26.003	25.996	43.007	106.5	2.45	41.3	205.8	0.858	1503.8	8.60
240.	238.5	12.636	12.604	34.530	26.108	26.101	43.151	106.5	2.45	40.8	196.1	0.898	1502.4	0.88
260.	258.4	12.054	12.020	34.531	26.222	26.215	43.309	104.4	2.40	39.5	185.6	0.936	1500.7	2.32
280.	278.2	11.010	10.975	34.536	26.419	26.413	43.588	100.1	2.30	37.1	166.8	0.972	1497.5	9.70
300.	298.1	10.384	10.349	34.552	26.543	26.536	43.761	100.3	2.31	36.7	155.2	1.004	1495.6	2.77
320.	317.9	10.133	10.096	34.550	26.585	26.578	43.824	99.0	2.28	36.0	151.5	1.035	1495.0	4.24
340.	337.8	9.766	9.727	34.544	26.642	26.635	43.912	95.9	2.20	34.6	146.3	1.064	1494.0	2.77
360.	357.6	9.470	9.430	34.545	26.692	26.685	43.987	94.4	2.17	33.9	141.8	1.093	1493.3	2.31
380.	377.5	9.167	9.125	34.548	26.744	26.737	44.064	93.7	2.15	33.4	137.1	1.121	1492.5	1.96
400.	397.3	9.074	9.030	34.549	26.761	26.753	44.089	93.3	2.15	33.2	135.9	1.148	1492.5	0.62
420.	417.2	8.859	8.813	34.551	26.797	26.789	44.143	93.4	2.15	33.0	132.7	1.175	1492.0	1.64
440.	437.0	8.636	8.589	34.552	26.833	26.825	44.198	92.7	2.13	32.6	129.5	1.201	1491.5	2.55
460.	456.9	8.460	8.411	34.553	26.861	26.853	44.241	92.3	2.12	32.4	127.0	1.227	1491.2	4.67
480.	476.7	8.164	8.114	34.556	26.909	26.901	44.315	93.2	2.14	32.5	122.6	1.252	1490.4	1.86
500.	496.6	8.005	7.954	34.558	26.934	26.926	44.354	92.3	2.12	32.0	120.4	1.276	1490.2	3.09
550.	546.1	7.708	7.653	34.562	26.981	26.973	44.428	92.2	2.12	31.8	116.5	1.335	1489.9	0.00
600.	595.7	7.336	7.277	34.576	27.046	27.038	44.526	91.8	2.11	31.4	110.8	1.393	1489.3	2.77
650.	645.3	6.937	6.875	34.581	27.106	27.097	44.622	91.6	2.11	31.0	105.4	1.447	1488.6	0.00
700.	694.8	6.591	6.526	34.579	27.152	27.143	44.700	91.7	2.11	30.8	101.4	1.499	1488.1	1.75
750.	744.4	6.326	6.257	34.582	27.190	27.180	44.762	93.0	2.14	31.0	98.1	1.548	1487.8	0.87
800.	793.9	5.783	5.713	34.584	27.260	27.251	44.884	94.5	2.17	31.2	91.2	1.596	1486.5	3.44
850.	843.4	5.420	5.348	34.587	27.307	27.298	44.965	95.6	2.20	31.2	86.8	1.639	1485.9	1.07
900.	892.9	5.248	5.172	34.588	27.328	27.319	45.003	96.5	2.22	31.4	85.1	1.683	1486.0	2.05
950.	942.4	4.904	4.825	34.591	27.371	27.362	45.080	97.3	2.24	31.4	80.9	1.724	1485.5	1.86
1000.	991.9	4.765	4.684	34.593	27.389	27.380	45.111	99.1	2.28	31.9	79.5	1.764	1485.7	2.05
1100.	1090.8	4.427	4.340	34.601	27.433	27.423	45.189	100.6	2.32	32.1	75.6	1.841	1486.0	0.87
fin 1166.	1156.1	4.292	4.199	34.604	27.450	27.440	45.220	101.7	2.34	32.4	74.3	1.891	1486.5	1.24

Vitesse verticale moyenne du son entre 6. et 1166. dbar : 1496.0 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

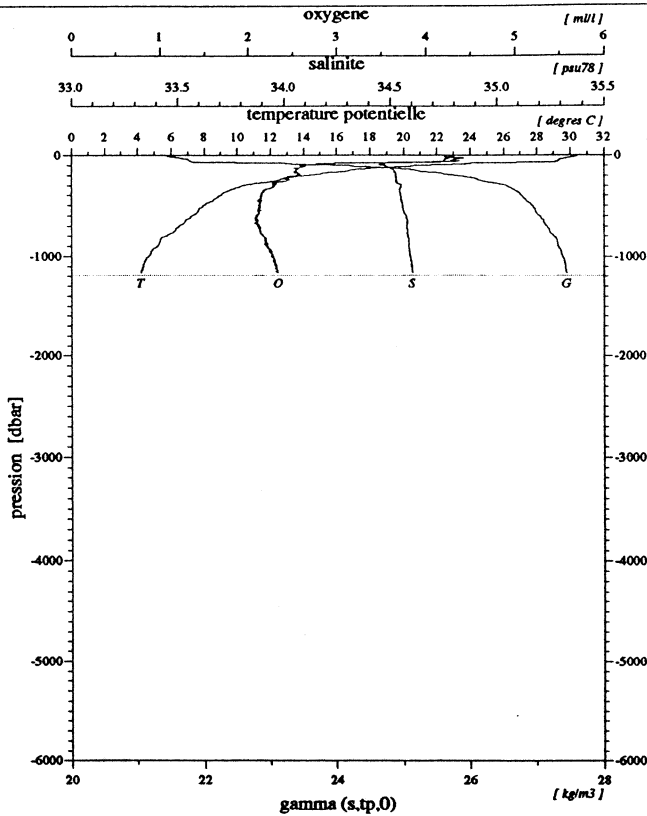


Diagramme salinite / oxygene

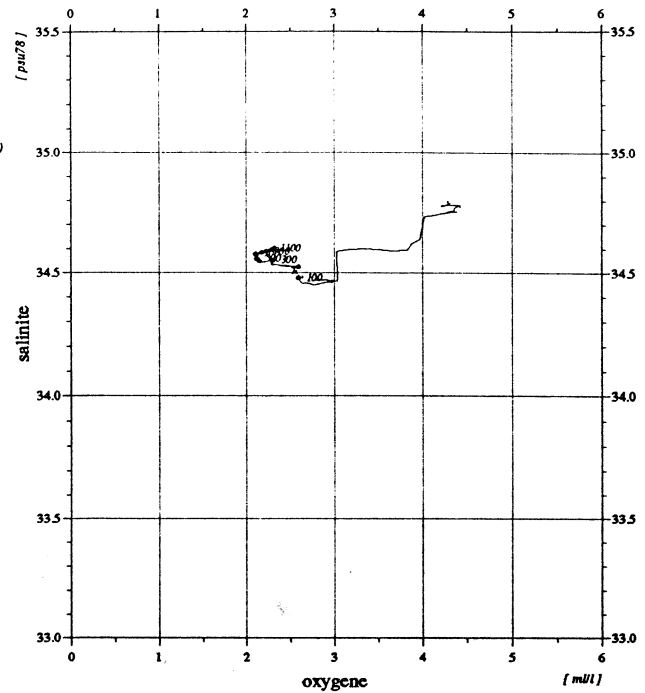


Diagramme temperature potentielle / salinite

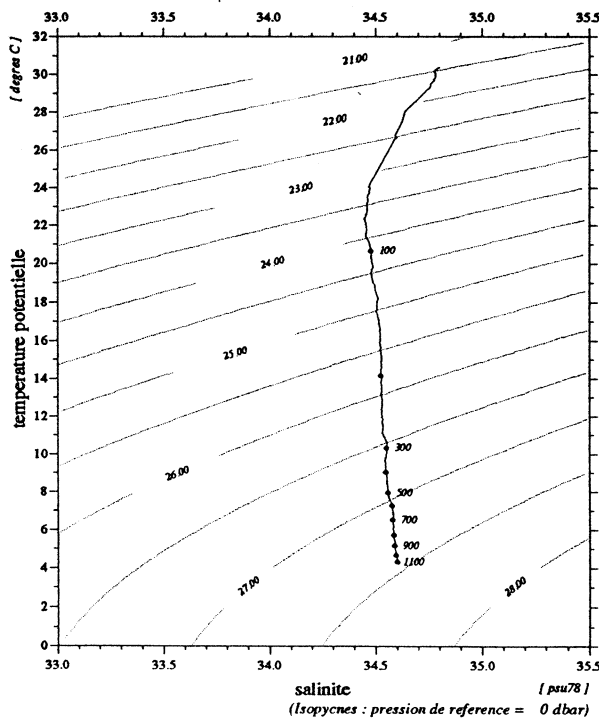
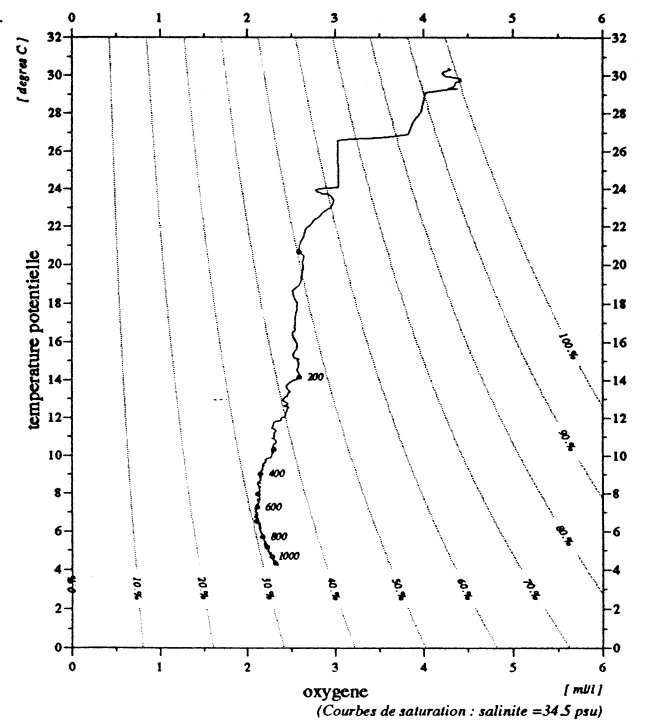


Diagramme temperature potentielle / oxygene



	debut	fin
pression	6	1166
temperature	30.374	4.292
theta	30.372	4.199
salinite	34.797	34.604
gamma (s,tp,0)	21.448	27.450
oxygene	4.28	2.34

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1182 m ( 1192 dbar)	
13- 3-1992	11.23' 6 S
21.45 tu	123. 1' 8 E

MD71/JADE2

Station 84.20

94/01/24  
13:43:41

STATION-3510

1

JADE 92

station : 35.10

donnees reduites a 10 dbar

le 11/ 3/1992 a 23.49 tu -11.3112 123.0512 sonde: 826 m ( 832.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.923	29.923	34.801	21.606	21.603	37.646	189.3	4.33	99.0	619.2	0.000	1545.3	0.00
10.	9.9	29.931	29.928	34.803	21.605	21.602	37.645	190.6	4.36	99.7	619.7	0.050	1545.4	0.00
20.	19.9	29.902	29.897	34.798	21.612	21.608	37.654	192.5	4.40	100.6	619.5	0.112	1545.5	2.74
30.	29.8	29.675	29.668	34.787	21.682	21.677	37.734	194.1	4.44	101.1	613.3	0.173	1545.2	7.03
40.	39.8	29.618	29.608	34.794	21.708	21.702	37.761	194.0	4.44	101.0	611.4	0.234	1545.3	0.88
50.	49.7	29.490	29.477	34.800	21.756	21.749	37.815	197.7	4.52	102.7	607.2	0.295	1545.2	1.24
60.	59.6	28.979	28.965	34.749	21.890	21.882	37.972	191.2	4.37	98.4	594.9	0.356	1544.2	8.61
70.	69.6	27.719	27.703	34.635	22.219	22.211	38.361	174.9	4.00	88.2	563.7	0.414	1541.5	11.50
80.	79.5	25.230	25.212	34.557	22.944	22.937	39.207	155.0	3.55	75.0	494.6	0.466	1535.8	8.93
90.	89.5	23.534	23.515	34.538	23.436	23.429	39.786	137.2	3.14	64.5	447.9	0.514	1531.8	13.68
101.	100.4	21.850	21.830	34.455	23.853	23.846	40.297	117.9	2.70	53.8	408.3	0.561	1527.6	14.17
110.	109.3	20.727	20.707	34.482	24.180	24.174	40.688	116.5	2.67	52.1	377.3	0.597	1524.7	11.51
120.	119.3	20.143	20.120	34.493	24.344	24.337	40.886	119.5	2.74	52.9	362.0	0.633	1523.3	5.47
130.	129.2	19.514	19.491	34.497	24.512	24.505	41.091	114.0	2.62	49.9	346.3	0.669	1521.7	6.47
140.	139.2	18.878	18.854	34.497	24.675	24.667	41.292	112.8	2.59	48.8	331.1	0.703	1520.1	6.78
150.	149.1	18.225	18.200	34.507	24.847	24.839	41.505	112.0	2.57	47.9	314.9	0.735	1518.4	6.25
160.	159.0	17.923	17.896	34.510	24.923	24.916	41.600	110.3	2.53	46.9	307.9	0.766	1517.7	6.00
170.	169.0	17.505	17.477	34.515	25.029	25.021	41.733	110.7	2.54	46.7	298.1	0.796	1516.6	5.50
180.	178.9	16.436	16.407	34.520	25.286	25.278	42.059	109.1	2.50	45.1	273.7	0.825	1513.6	5.07
190.	188.8	15.460	15.430	34.519	25.507	25.499	42.346	111.1	2.55	45.1	252.8	0.851	1510.7	8.86
200.	198.8	14.729	14.699	34.527	25.673	25.666	42.564	107.6	2.47	43.0	237.0	0.876	1508.6	6.95
220.	218.6	13.446	13.416	34.528	25.944	25.937	42.927	106.4	2.44	41.5	211.4	0.921	1504.7	4.55
240.	238.5	12.870	12.837	34.531	26.063	26.056	43.088	104.9	2.41	40.4	200.5	0.962	1503.2	1.38
260.	258.4	12.176	12.142	34.533	26.200	26.193	43.278	102.0	2.34	38.7	187.7	1.000	1501.2	2.63
280.	278.2	11.642	11.607	34.532	26.300	26.293	43.419	97.0	2.23	36.4	178.5	1.037	1499.7	6.37
300.	298.1	10.858	10.822	34.544	26.453	26.446	43.634	98.4	2.26	36.4	164.0	1.071	1497.3	1.86
320.	317.9	10.437	10.399	34.557	26.538	26.531	43.752	98.1	2.25	35.9	156.2	1.103	1496.1	2.70
340.	337.8	10.099	10.059	34.554	26.594	26.586	43.836	97.0	2.23	35.2	151.1	1.134	1495.2	2.47
360.	357.6	9.977	9.935	34.556	26.616	26.609	43.869	96.4	2.22	35.0	149.3	1.164	1495.1	0.87
380.	377.5	9.627	9.583	34.546	26.668	26.660	43.949	93.2	2.14	33.5	144.7	1.193	1494.2	2.40
400.	397.3	9.347	9.303	34.546	26.714	26.706	44.019	92.1	2.12	32.9	140.5	1.222	1493.5	2.84
420.	417.2	9.185	9.139	34.549	26.743	26.735	44.062	91.8	2.11	32.7	138.0	1.250	1493.2	3.03
440.	437.0	9.000	8.952	34.551	26.775	26.767	44.109	91.7	2.11	32.5	135.3	1.277	1492.9	1.38
460.	456.9	8.771	8.722	34.553	26.812	26.804	44.166	91.6	2.11	32.3	131.9	1.304	1492.4	1.07
480.	476.7	8.455	8.404	34.554	26.863	26.855	44.244	91.3	2.10	32.0	127.2	1.330	1491.5	1.52
500.	496.5	8.122	8.070	34.558	26.917	26.909	44.327	91.2	2.10	31.7	122.2	1.355	1490.6	2.55
550.	546.1	7.703	7.648	34.570	26.988	26.980	44.435	90.6	2.08	31.2	115.9	1.414	1489.9	1.38
600.	595.7	6.941	6.884	34.571	27.097	27.089	44.613	91.3	2.10	30.9	105.4	1.469	1487.8	2.05
650.	645.3	6.502	6.442	34.578	27.162	27.154	44.718	91.7	2.11	30.7	99.5	1.520	1486.9	0.62
700.	694.8	6.332	6.268	34.579	27.186	27.177	44.758	91.7	2.11	30.6	97.8	1.569	1487.0	1.75
750.	744.4	6.044	5.977	34.581	27.225	27.216	44.824	92.6	2.13	30.7	94.3	1.617	1486.7	2.05
800.	793.9	5.599	5.530	34.584	27.282	27.274	44.923	94.3	2.17	31.0	88.8	1.663	1485.8	1.64
fin 802.	795.9	5.584	5.515	34.584	27.285	27.276	44.927	94.3	2.17	30.9	88.6	1.665	1485.8	2.14

Vitesse verticale moyenne du son entre 2. et 802. dbar : 1501.5 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

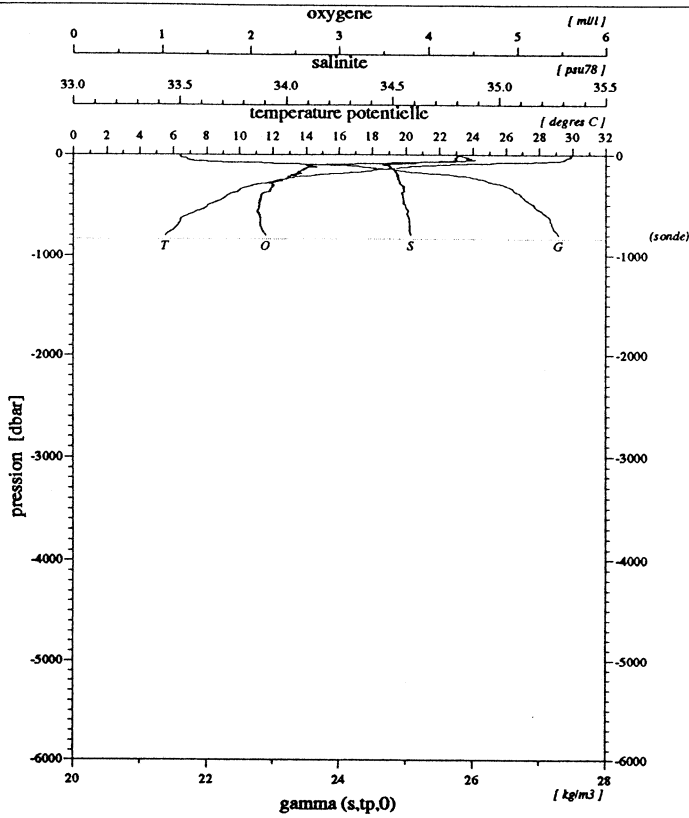


Diagramme salinite / oxygene

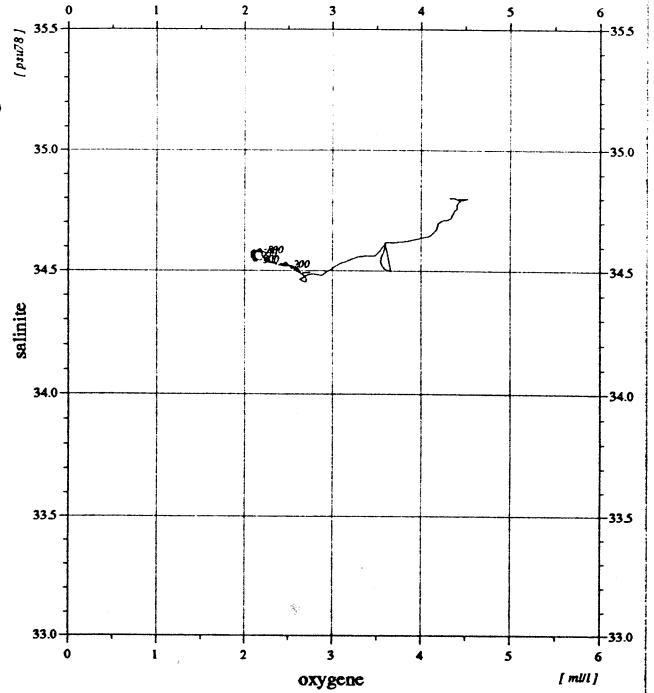


Diagramme temperature potentielle / salinite

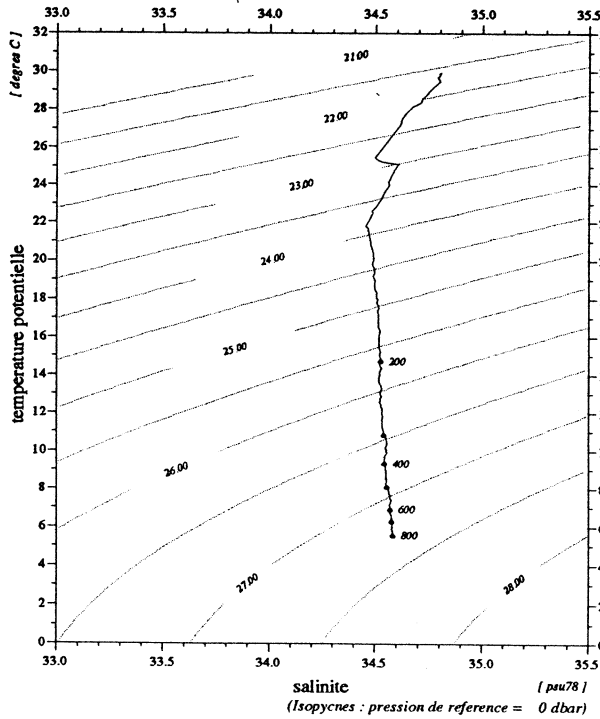
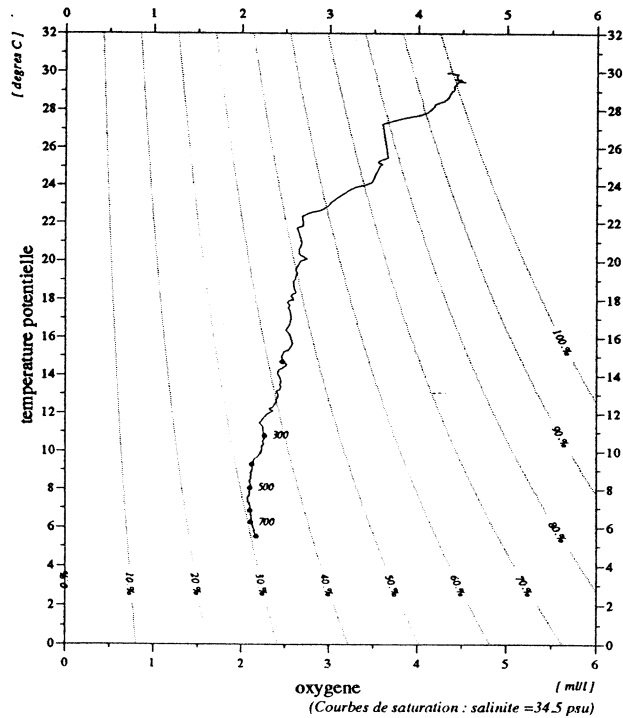


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	802.
temperature	29.923	5.584
theta	29.923	5.515
salinite	34.801	34.584
gamma (s,tp,0)	21.606	27.285
oxygene	4.33	2.17

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 826 m ( 832 dbar)	
11- 3-1992	11.31' 1 S
23.49 tu	123. 5' 1 E

MD71/JADE2

Station 35.10

94/01/24  
13:43:43

STATION-3610

1

JADE 92

station : 36.10

donnees reduites a 10 dbar

le 12/ 3/1992 a 1.46 tu -11.4011 123.1016 sonde: 536 m ( 540.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	29.896	29.895	34.800	21.615	21.612	37.656	196.0	4.48	102.5	618.4	0.000	1545.2	0.00
10.	9.9	29.746	29.743	34.796	21.663	21.660	37.711	197.2	4.51	102.9	614.1	0.043	1545.0	5.00
20.	19.9	29.682	29.677	34.813	21.698	21.694	37.748	197.9	4.53	103.1	611.3	0.104	1545.1	1.96
30.	29.8	29.621	29.613	34.804	21.713	21.708	37.767	186.4	4.26	97.0	610.3	0.165	1545.1	2.15
40.	39.8	29.524	29.514	34.816	21.756	21.750	37.813	191.6	4.38	99.6	606.7	0.226	1545.1	3.67
50.	49.7	29.360	29.347	34.821	21.815	21.809	37.880	199.8	4.57	103.6	601.5	0.287	1544.9	3.97
60.	59.6	28.971	28.956	34.827	21.951	21.944	38.032	195.1	4.46	100.5	589.0	0.346	1544.3	4.78
70.	69.6	27.290	27.274	34.706	22.410	22.403	38.571	183.8	4.21	92.1	545.4	0.404	1540.6	12.19
80.	79.5	26.391	26.373	34.713	22.702	22.695	38.905	179.6	4.11	88.7	517.8	0.457	1538.7	9.39
90.	89.5	26.053	26.033	34.696	22.796	22.788	39.015	177.1	4.06	86.9	509.3	0.508	1538.1	4.90
100.	99.4	24.070	24.049	34.598	23.324	23.316	39.645	156.5	3.59	74.3	459.1	0.558	1533.4	27.86
110.	109.3	22.585	22.563	34.561	23.727	23.719	40.128	140.5	3.22	65.0	420.8	0.602	1529.7	13.37
120.	119.3	21.064	21.041	34.520	24.118	24.111	40.605	128.8	2.95	58.0	383.7	0.643	1525.8	14.75
130.	129.2	20.021	19.997	34.527	24.403	24.395	40.950	123.2	2.83	54.4	356.8	0.679	1523.2	6.90
140.	139.2	18.563	18.539	34.512	24.765	24.758	41.402	116.4	2.67	50.1	322.4	0.714	1519.2	15.57
150.	149.1	17.557	17.532	34.515	25.016	25.009	41.716	112.4	2.58	47.5	298.6	0.745	1516.4	12.55
160.	159.0	16.629	16.603	34.519	25.240	25.233	42.000	110.6	2.54	45.9	277.5	0.773	1513.8	6.10
170.	169.0	16.274	16.246	34.527	25.328	25.321	42.112	111.5	2.56	45.9	269.3	0.800	1512.9	4.67
180.	178.9	16.117	16.089	34.529	25.366	25.359	42.161	110.2	2.53	45.3	266.0	0.827	1512.6	3.28
190.	188.8	15.940	15.910	34.528	25.406	25.399	42.213	108.5	2.49	44.4	262.5	0.854	1512.2	2.40
200.	198.8	15.500	15.469	34.528	25.505	25.497	42.342	107.1	2.46	43.5	253.3	0.879	1511.0	3.96
220.	218.6	14.502	14.470	34.524	25.720	25.713	42.627	104.3	2.39	41.5	233.1	0.929	1508.2	7.63
240.	238.5	13.787	13.753	34.532	25.878	25.870	42.836	102.7	2.36	40.3	218.4	0.973	1506.2	2.70
260.	258.4	12.749	12.714	34.533	26.088	26.081	43.123	100.4	2.31	38.6	198.6	1.015	1503.1	4.24
280.	278.2	11.705	11.669	34.534	26.291	26.283	43.405	99.8	2.29	37.5	179.4	1.053	1499.9	3.39
300.	298.1	11.651	11.612	34.537	26.303	26.295	43.422	99.5	2.29	37.4	178.7	1.088	1500.0	0.00
320.	317.9	11.417	11.376	34.536	26.346	26.338	43.484	100.0	2.30	37.4	174.9	1.124	1499.5	3.09
340.	337.8	11.016	10.974	34.537	26.420	26.412	43.589	98.5	2.26	36.5	168.2	1.158	1498.5	5.39
360.	357.6	10.184	10.142	34.540	26.568	26.561	43.804	96.1	2.21	35.0	154.0	1.191	1495.9	5.97
380.	377.5	9.792	9.748	34.546	26.640	26.632	43.908	95.1	2.19	34.3	147.4	1.221	1494.8	3.50
400.	397.3	9.132	9.088	34.549	26.751	26.744	44.074	93.8	2.16	33.4	136.8	1.249	1492.7	2.31
420.	417.2	8.875	8.829	34.553	26.796	26.788	44.141	93.9	2.16	33.2	132.8	1.276	1492.1	1.52
440.	437.0	8.559	8.512	34.555	26.847	26.839	44.219	92.6	2.13	32.6	128.1	1.302	1491.3	1.75
460.	456.9	8.311	8.263	34.556	26.886	26.878	44.280	92.6	2.13	32.4	124.5	1.327	1490.7	2.47
480.	476.7	8.020	7.971	34.560	26.933	26.926	44.352	92.3	2.12	32.1	120.1	1.352	1489.9	0.62
490.	486.6	8.008	7.957	34.561	26.936	26.928	44.356	92.6	2.13	32.1	120.1	1.364	1490.0	0.62

fin

Vitesse verticale moyenne du son entre 3. et 490. dbar : 1511.1 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

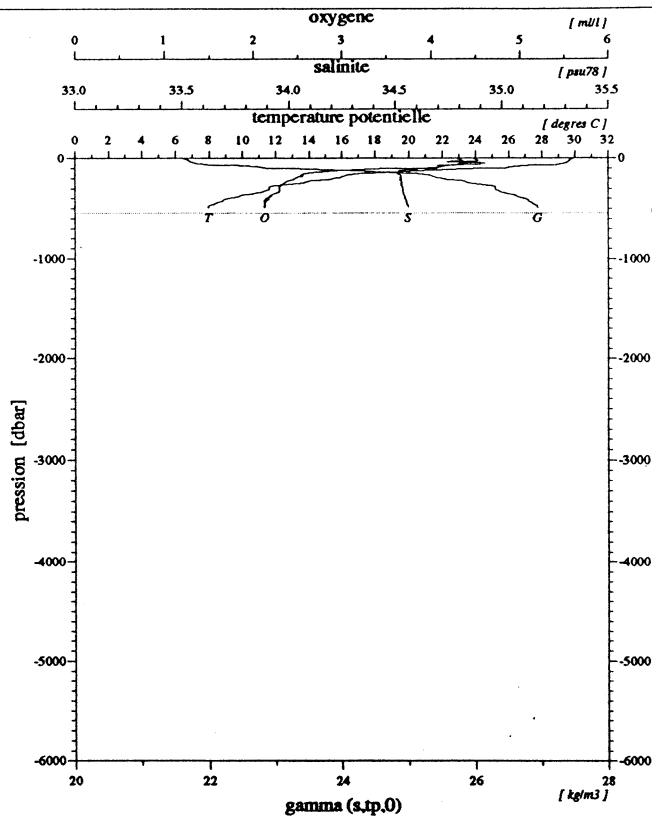


Diagramme salinite / oxygene

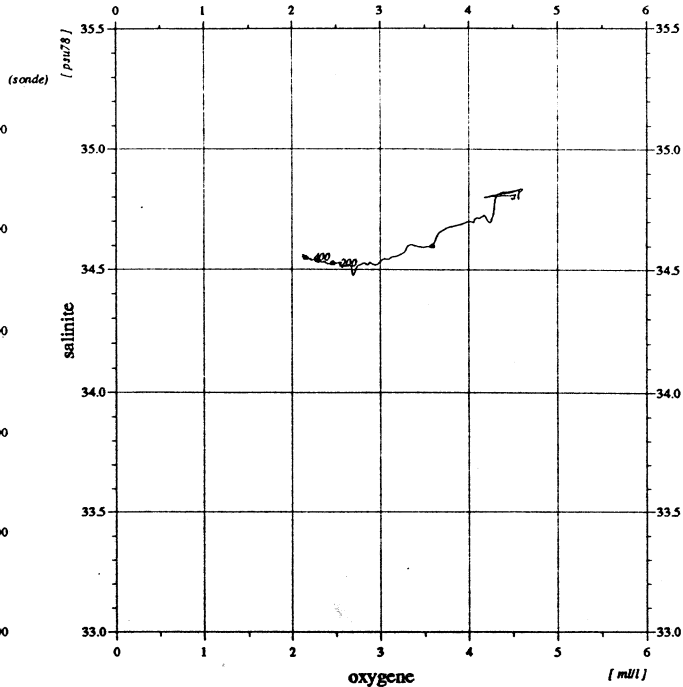


Diagramme temperature potentielle / salinite

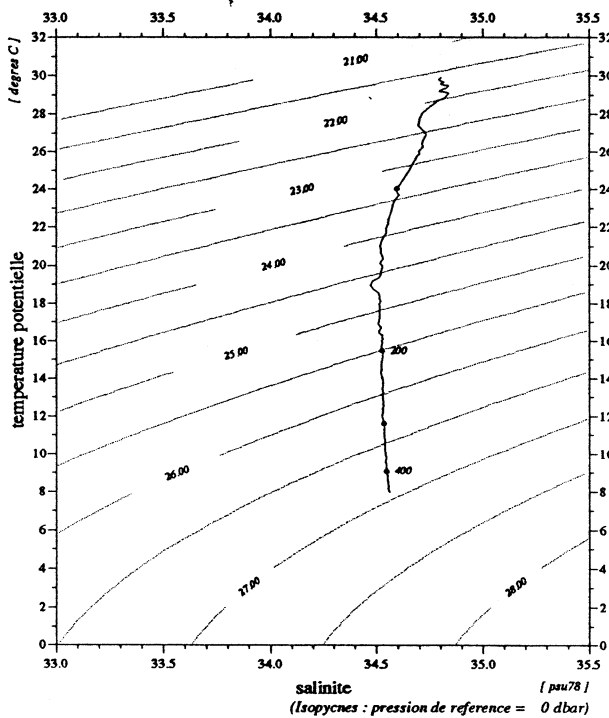
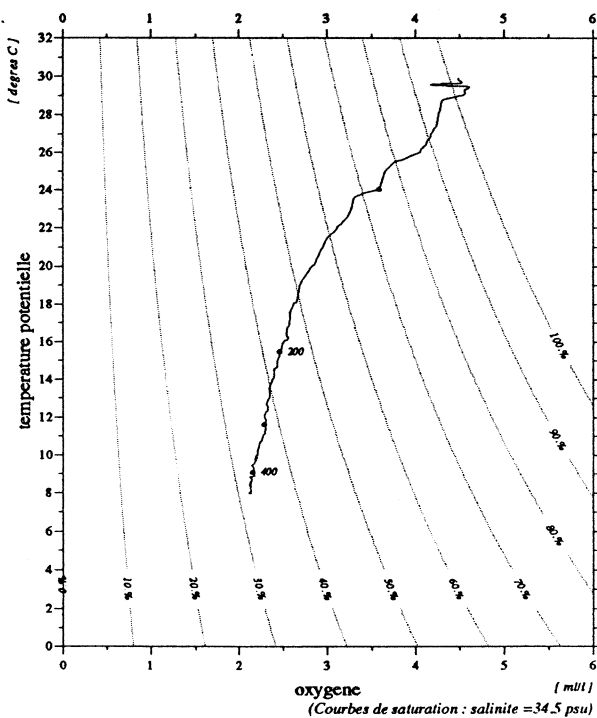


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	490.
temperature	29.896	8.008
theta	29.895	7.957
salinite	34.800	34.561
gamma (s.t.p.0)	21.615	26.936
oxygene	4.48	2.13

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 536 m ( 540 dbar)	
12- 3-1992	11.40' 1 S
1.46 tu	123.10' 1 E

MD71/JADE2

Station 36.10

94/01/24  
13:43:44

# STATION-3710

1

JADE 92

station : 37.10

donnees reduites a 10 dbar

le 12/ 3/1992 a 3.24 tu -11.4529 123.1234 sonde: 357 m ( 359.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.917	29.916	34.716	21.544	21.541	37.586	191.2	4.37	99.9	625.2	0.000	1545.2	0.00
10.	9.9	29.895	29.892	34.758	21.584	21.580	37.626	194.6	4.45	101.7	621.8	0.050	1545.3	6.28
20.	19.9	29.826	29.821	34.795	21.636	21.631	37.680	186.4	4.26	97.3	617.3	0.112	1545.4	3.82
30.	29.8	29.721	29.714	34.830	21.699	21.694	37.747	191.5	4.38	99.9	611.7	0.173	1545.4	2.06
40.	39.8	29.608	29.598	34.844	21.748	21.742	37.801	193.5	4.43	100.7	607.5	0.234	1545.3	5.24
50.	49.7	29.384	29.372	34.851	21.830	21.824	37.893	196.8	4.50	102.1	600.1	0.294	1545.0	3.25
60.	59.6	29.125	29.110	34.840	21.909	21.902	37.984	199.3	4.56	102.9	593.0	0.354	1544.6	10.06
70.	69.6	28.077	28.060	34.741	22.182	22.175	38.306	189.0	4.33	95.9	567.3	0.412	1542.4	9.59
80.	79.5	26.652	26.634	34.691	22.603	22.595	38.794	179.5	4.11	89.0	527.3	0.467	1539.3	6.15
90.	89.5	26.411	26.391	34.711	22.695	22.686	38.896	177.8	4.07	87.8	519.0	0.519	1538.9	3.56
100.	99.4	25.817	25.795	34.694	22.868	22.860	39.099	168.0	3.85	82.2	502.8	0.570	1537.7	4.84
110.	109.3	23.127	23.104	34.572	23.581	23.573	39.952	132.4	3.03	61.8	434.9	0.617	1531.1	7.79
120.	119.3	21.076	21.053	34.543	24.133	24.126	40.619	112.3	2.58	50.6	382.3	0.659	1525.9	14.74
130.	129.2	20.222	20.198	34.528	24.351	24.343	40.887	123.6	2.84	54.8	361.8	0.695	1523.7	6.10
140.	139.2	18.719	18.694	34.524	24.736	24.729	41.363	118.2	2.71	51.0	325.2	0.730	1519.7	15.55
150.	149.1	17.520	17.495	34.509	25.020	25.013	41.723	113.0	2.59	47.7	298.2	0.761	1516.3	8.40
160.	159.0	16.131	16.106	34.520	25.355	25.348	42.149	114.8	2.64	47.2	266.4	0.789	1512.3	6.98
170.	169.0	15.550	15.523	34.527	25.492	25.486	42.325	113.5	2.61	46.1	253.5	0.815	1510.7	7.98
180.	178.9	14.852	14.825	34.522	25.642	25.635	42.524	106.8	2.45	42.8	239.4	0.840	1508.6	6.58
190.	188.8	14.231	14.203	34.527	25.780	25.773	42.705	106.9	2.46	42.3	226.4	0.863	1506.8	4.01
200.	198.8	14.023	13.994	34.530	25.825	25.819	42.766	107.9	2.48	42.6	222.3	0.885	1506.3	1.96
220.	218.6	13.674	13.642	34.530	25.899	25.892	42.865	104.3	2.39	40.8	215.8	0.929	1505.5	4.38
240.	238.5	13.065	13.032	34.533	26.025	26.018	43.036	105.7	2.43	40.9	204.1	0.971	1503.8	3.91
260.	258.4	12.658	12.623	34.535	26.108	26.101	43.149	102.4	2.35	39.3	196.6	1.011	1502.8	3.22
280.	278.2	12.060	12.024	34.536	26.224	26.217	43.311	101.7	2.34	38.5	185.8	1.049	1501.1	4.06
300.	298.1	11.132	11.094	34.538	26.399	26.392	43.559	100.1	2.30	37.2	169.3	1.085	1498.2	2.23
fin	303.	301.0	11.112	11.075	34.539	26.403	43.564	100.3	2.31	37.3	168.9	1.090	1498.2	2.23

Vitesse verticale moyenne du son entre 2. et 303. dbar : 1521.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

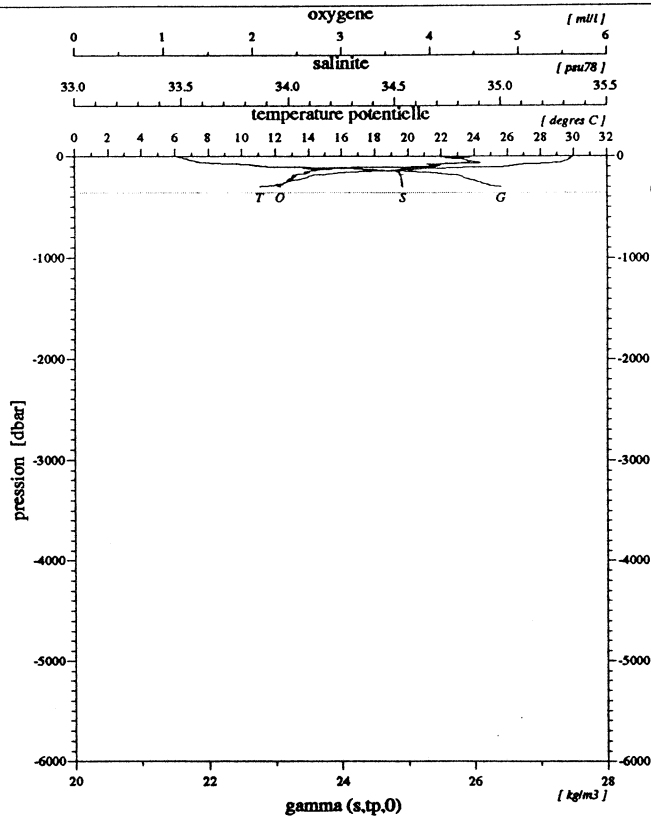


Diagramme salinite / oxygene

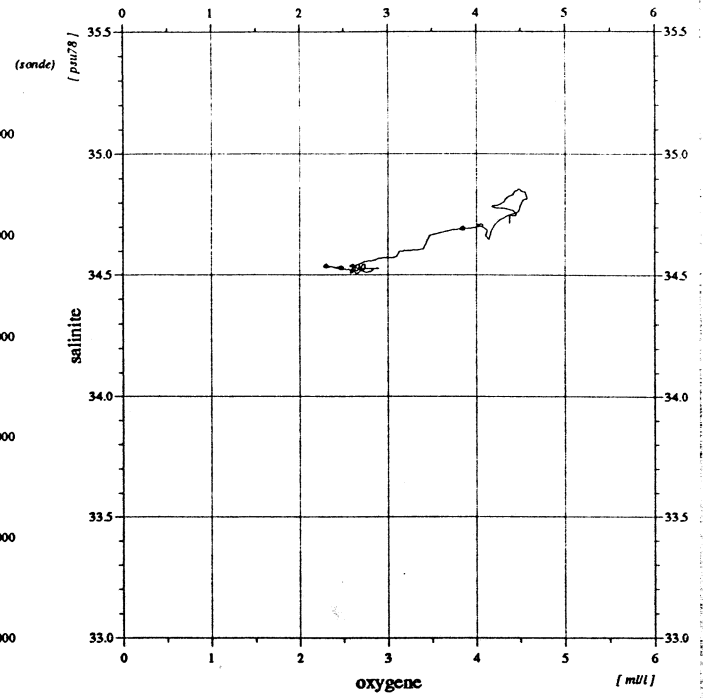


Diagramme temperature potentielle / salinite

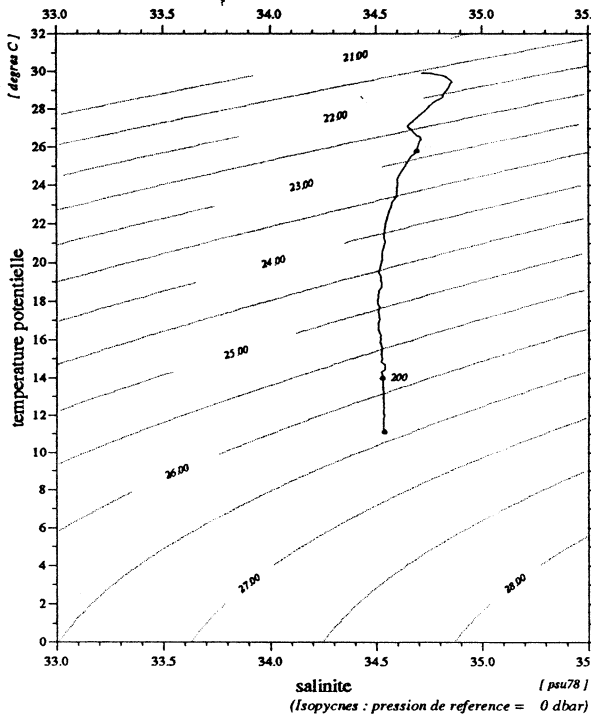
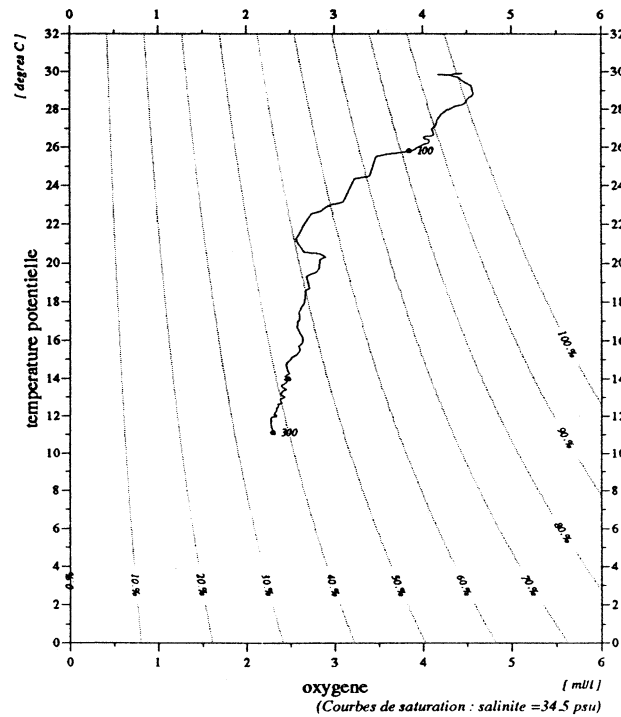


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	303
temperature	29.917	11.112
theta	29.916	11.075
salinite	34.716	34.539
gamma (s,tp,0)	21.544	26.403
oxygene	4.37	2.31

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 357 m ( 359 dbar)	
12- 3-1992	11.45' 2 S
3.24 tu	123.12' 3 E

MD71/JADE2

Station 37.10

94/01/24  
13:45:49

STATION-3810

1

JADE 92

station : 38.10

donnees reduites a 10 dbar

le 14/ 3/1992 a 0.45 tu -11.1069 122.3581 sonde: 588 m ( 592.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
3.	3.0	30.139	30.139	34.795	21.528	21.525	37.559	181.0	4.14	95.0	626.8	0.000	1545.7	0.00	
10.	9.9	30.095	30.092	34.793	21.542	21.538	37.575	178.5	4.08	93.6	625.8	0.044	1545.8	2.24	
20.	19.9	29.871	29.866	34.786	21.614	21.610	37.657	185.9	4.25	97.1	619.3	0.106	1545.5	3.37	
30.	29.8	29.537	29.529	34.774	21.719	21.714	37.776	187.9	4.30	97.7	609.8	0.168	1544.9	4.14	
40.	39.8	28.941	28.931	34.729	21.886	21.881	37.971	184.3	4.22	94.8	594.2	0.228	1543.8	10.41	
50.	49.7	27.722	27.711	34.665	22.239	22.233	38.380	170.9	3.91	86.2	560.9	0.285	1541.2	4.84	
60.	59.6	24.649	24.636	34.471	23.053	23.048	39.347	135.7	3.11	65.0	483.2	0.338	1534.0	13.90	
70.	69.6	23.205	23.190	34.525	23.520	23.514	39.888	139.4	3.19	65.2	439.0	0.384	1530.6	11.32	
80.	79.5	21.931	21.916	34.497	23.861	23.855	40.299	132.8	3.05	60.7	406.8	0.426	1527.5	4.11	
90.	89.5	21.100	21.083	34.469	24.069	24.063	40.554	132.8	3.04	59.8	387.2	0.466	1525.4	2.48	
100.	99.4	20.612	20.593	34.472	24.203	24.196	40.717	130.6	3.00	58.3	374.8	0.504	1524.2	6.44	
110.	109.3	20.030	20.010	34.478	24.362	24.356	40.911	126.5	2.90	55.9	359.9	0.541	1522.8	11.32	
120.	119.3	18.876	18.855	34.490	24.669	24.663	41.287	120.2	2.76	52.0	330.8	0.575	1519.7	5.50	
130.	129.2	18.031	18.008	34.499	24.888	24.881	41.558	115.2	2.64	49.1	310.2	0.607	1517.5	8.28	
140.	139.2	17.340	17.316	34.502	25.057	25.051	41.772	113.3	2.60	47.7	294.3	0.638	1515.6	8.40	
150.	149.1	16.701	16.677	34.505	25.211	25.205	41.968	109.8	2.52	45.6	279.9	0.666	1513.9	7.83	
160.	159.0	15.949	15.924	34.519	25.396	25.390	42.202	108.2	2.48	44.3	262.4	0.693	1511.7	3.16	
170.	169.0	15.257	15.231	34.515	25.548	25.542	42.402	105.8	2.43	42.7	248.1	0.719	1509.7	5.67	
180.	178.9	14.821	14.794	34.512	25.641	25.635	42.525	104.4	2.40	41.8	239.5	0.743	1508.5	5.36	
190.	188.8	13.788	13.761	34.517	25.865	25.858	42.822	102.7	2.36	40.3	218.2	0.766	1505.4	4.83	
200.	198.8	13.340	13.312	34.525	25.962	25.956	42.953	102.4	2.35	39.8	209.1	0.787	1504.1	1.07	
220.	218.6	13.141	13.111	34.526	26.004	25.998	43.010	101.5	2.33	39.3	205.6	0.829	1503.7	1.64	
240.	238.5	12.488	12.456	34.530	26.136	26.130	43.191	100.8	2.32	38.5	193.3	0.869	1501.9	5.21	
260.	258.4	12.129	12.095	34.536	26.211	26.204	43.293	99.5	2.29	37.8	186.6	0.906	1501.0	2.90	
280.	278.2	11.248	11.214	34.536	26.376	26.369	43.526	100.0	2.30	37.3	171.1	0.942	1498.3	2.40	
300.	298.1	10.706	10.670	34.534	26.472	26.465	43.665	99.3	2.28	36.6	162.1	0.975	1496.7	1.86	
320.	317.9	10.201	10.163	34.536	26.562	26.555	43.796	98.9	2.27	36.0	153.7	1.007	1495.3	1.75	
340.	337.8	9.782	9.743	34.543	26.639	26.632	43.907	96.4	2.22	34.8	146.7	1.037	1494.1	2.90	
360.	357.6	9.296	9.256	34.548	26.723	26.716	44.032	95.3	2.19	34.1	138.8	1.066	1492.7	1.07	
380.	377.5	9.108	9.066	34.541	26.748	26.741	44.073	93.4	2.15	33.2	136.7	1.093	1492.3	2.70	
400.	397.3	9.002	8.959	34.537	26.762	26.755	44.097	94.5	2.17	33.5	135.6	1.120	1492.2	1.75	
420.	417.2	8.967	8.921	34.537	26.769	26.761	44.106	91.5	2.10	32.4	135.4	1.147	1492.4	0.87	
440.	437.0	8.794	8.747	34.542	26.800	26.792	44.152	93.2	2.14	32.9	132.7	1.174	1492.1	3.09	
460.	456.9	8.495	8.447	34.549	26.852	26.844	44.230	91.6	2.11	32.2	127.9	1.200	1491.3	2.97	
480.	476.7	8.245	8.195	34.555	26.896	26.888	44.295	89.3	2.05	31.2	123.9	1.225	1490.7	1.38	
500.	496.6	8.133	8.081	34.559	26.916	26.908	44.325	91.9	2.11	32.0	122.3	1.250	1490.7	2.83	
fin	511.	507.5	8.090	8.037	34.560	26.923	26.915	44.336	91.3	2.10	31.7	121.8	1.264	1490.7	3.21

Vitesse verticale moyenne du son entre 3. et 511. dbar : 1506.9 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

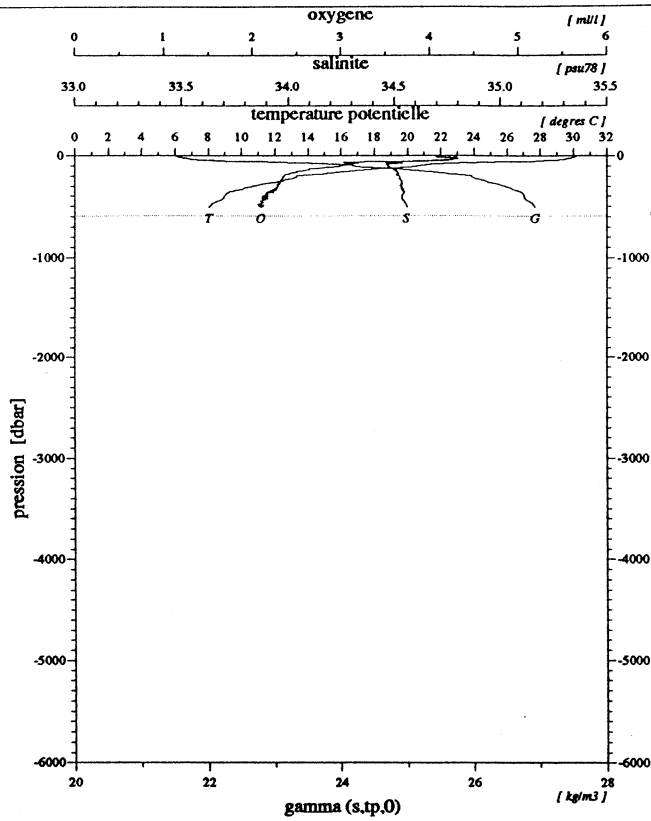


Diagramme salinite / oxygene

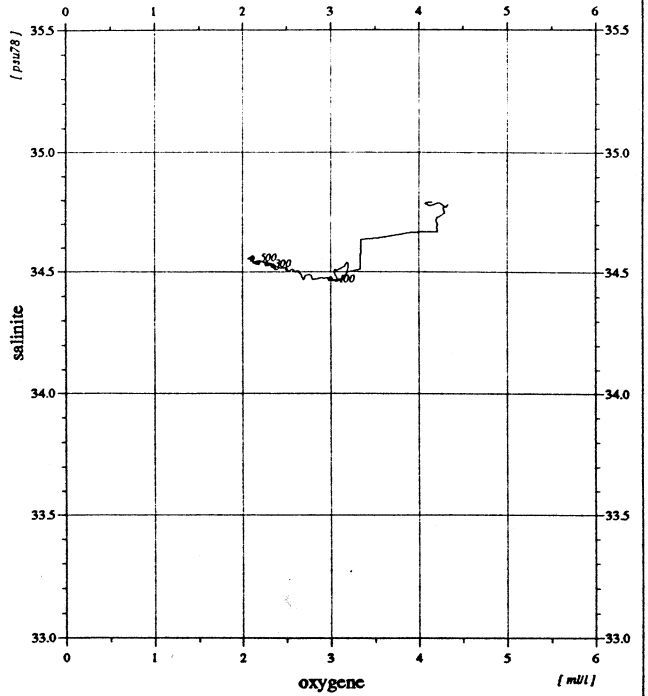


Diagramme temperature potentielle / salinite

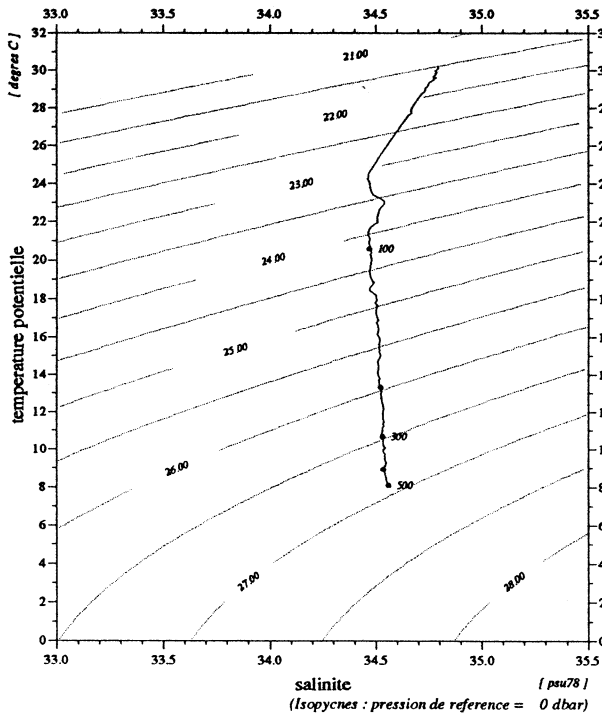
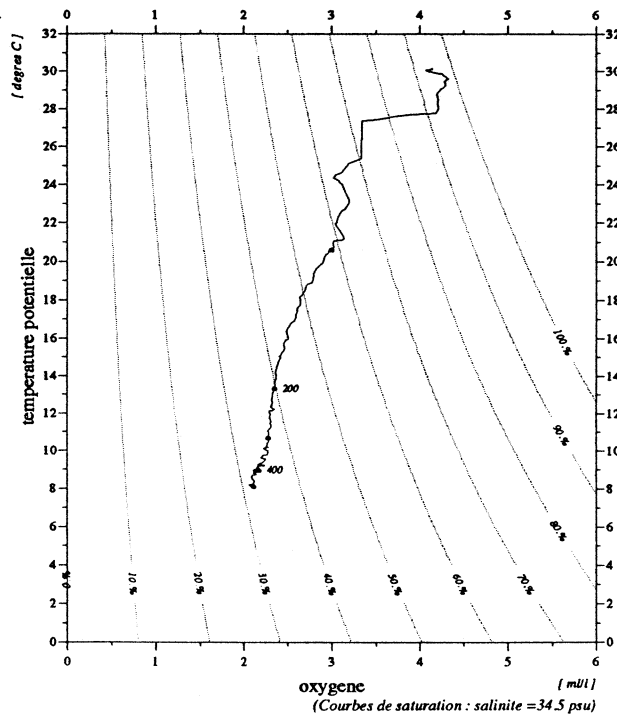


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	511.
temperature	30.139	8.090
theta	30.139	8.037
salinite	34.795	34.560
gamma (s,tp,0)	21.528	26.923
oxygene	4.14	2.10

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 588 m ( 592 dbar)	
14-3-1992	11.10' 6 S
0.45 tu	122.35' 8 E

MD71/JADE2

Station 38.10

94/01/24  
13:45:52

STATION-3910

1

JADE 92

station : 39.10

donnees reduites a 10 dbar

le 14/ 3/1992 a 3.46 tu -10.4504 122.2792 sonde: 676 m ( 681.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.450	30.450	34.593	21.269	21.267	37.292	-9.0	-9.00	-9.0	651.5	0.000	1546.1	0.00
10.	9.9	29.618	29.616	34.642	21.591	21.588	37.648	-9.0	-9.00	-9.0	621.0	0.051	1544.6	12.44
20.	19.9	28.583	28.578	34.669	21.958	21.954	38.059	-9.0	-9.00	-9.0	586.4	0.111	1542.6	4.76
30.	29.8	28.176	28.169	34.648	22.077	22.072	38.197	-9.0	-9.00	-9.0	575.4	0.169	1541.8	10.94
40.	39.8	26.195	26.186	34.558	22.644	22.639	38.859	-9.0	-9.00	-9.0	521.6	0.224	1537.4	8.40
50.	49.7	25.142	25.131	34.538	22.954	22.949	39.222	-9.0	-9.00	-9.0	492.3	0.275	1535.1	9.30
60.	59.7	23.833	23.820	34.501	23.318	23.313	39.653	166.4	3.81	78.6	457.9	0.322	1532.0	7.08
70.	69.6	23.066	23.052	34.469	23.518	23.512	39.894	149.8	3.43	69.8	439.2	0.367	1530.2	12.31
80.	79.5	22.166	22.150	34.480	23.782	23.776	40.207	146.4	3.36	67.2	414.3	0.409	1528.1	6.01
90.	89.5	21.639	21.621	34.484	23.932	23.926	40.387	142.8	3.27	65.0	400.3	0.450	1526.8	7.01
100.	99.4	20.948	20.929	34.487	24.124	24.118	40.618	141.3	3.24	63.5	382.3	0.489	1525.2	4.64
110.	109.3	20.749	20.728	34.487	24.178	24.172	40.684	138.4	3.17	62.0	377.5	0.527	1524.8	5.84
120.	119.3	19.343	19.322	34.482	24.545	24.538	41.134	127.8	2.93	55.8	342.8	0.563	1521.1	16.36
130.	129.2	17.353	17.331	34.489	25.044	25.038	41.758	123.1	2.83	51.8	295.2	0.595	1515.5	7.38
140.	139.2	16.369	16.346	34.498	25.282	25.276	42.061	118.3	2.72	48.9	272.7	0.624	1512.7	11.88
150.	149.1	15.793	15.769	34.505	25.420	25.414	42.237	112.9	2.59	46.1	259.8	0.650	1511.1	6.03
160.	159.0	14.918	14.894	34.519	25.625	25.619	42.502	111.8	2.57	44.9	240.4	0.675	1508.5	3.33
170.	169.0	14.697	14.672	34.519	25.673	25.667	42.566	109.8	2.52	43.9	236.1	0.699	1508.0	4.95
180.	178.9	14.167	14.141	34.516	25.784	25.778	42.714	110.1	2.53	43.5	225.7	0.722	1506.4	7.68
190.	188.8	13.804	13.777	34.516	25.860	25.854	42.817	109.3	2.51	42.9	218.6	0.744	1505.4	3.22
200.	198.8	13.269	13.242	34.522	25.974	25.968	42.970	105.4	2.42	40.9	207.9	0.765	1503.8	5.29
220.	218.6	12.424	12.395	34.525	26.145	26.139	43.204	105.4	2.42	40.2	192.0	0.806	1501.3	3.61
240.	238.5	11.677	11.646	34.526	26.288	26.282	43.405	106.4	2.44	40.0	178.5	0.843	1499.1	7.35
260.	258.4	11.474	11.441	34.529	26.329	26.322	43.461	103.6	2.38	38.8	175.1	0.878	1498.7	0.88
280.	278.2	11.190	11.155	34.532	26.384	26.377	43.538	102.0	2.34	37.9	170.3	0.913	1498.1	2.14
300.	298.1	10.774	10.738	34.533	26.459	26.452	43.647	101.3	2.33	37.4	163.4	0.947	1497.0	3.27
320.	317.9	10.212	10.175	34.532	26.557	26.550	43.790	98.2	2.26	35.8	154.3	0.978	1495.3	4.01
340.	337.8	9.714	9.675	34.535	26.644	26.637	43.919	98.7	2.27	35.6	146.1	1.009	1493.8	3.27
360.	357.6	9.422	9.381	34.535	26.692	26.685	43.991	96.8	2.22	34.7	141.8	1.038	1493.1	5.57
380.	377.5	9.271	9.229	34.543	26.724	26.716	44.035	95.3	2.19	34.0	139.1	1.065	1492.9	1.52
400.	397.3	9.033	8.990	34.546	26.765	26.757	44.096	95.3	2.19	33.9	135.5	1.093	1492.3	3.61
420.	417.2	8.774	8.729	34.545	26.805	26.798	44.159	93.4	2.15	33.0	131.8	1.120	1491.7	1.38
440.	437.0	8.514	8.467	34.545	26.846	26.838	44.222	92.9	2.14	32.6	128.1	1.146	1491.1	1.86
460.	456.9	8.341	8.293	34.544	26.872	26.865	44.264	91.6	2.11	32.0	125.8	1.171	1490.8	1.75
480.	476.7	8.186	8.136	34.544	26.896	26.888	44.301	91.7	2.11	32.0	123.8	1.196	1490.5	1.24
500.	496.6	7.970	7.918	34.544	26.928	26.920	44.352	90.6	2.08	31.4	120.9	1.221	1490.0	2.40
550.	546.2	7.556	7.501	34.544	26.989	26.981	44.450	88.9	2.04	30.5	115.6	1.279	1489.3	0.00
600.	595.7	7.214	7.156	34.535	27.031	27.023	44.523	89.3	2.05	30.4	112.0	1.336	1488.8	4.01
615.	610.6	7.166	7.106	34.560	27.057	27.049	44.553	89.9	2.07	30.6	109.7	1.353	1488.9	6.80

Vitesse verticale moyenne du son entre 2. et 615. dbar : 1503.2 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

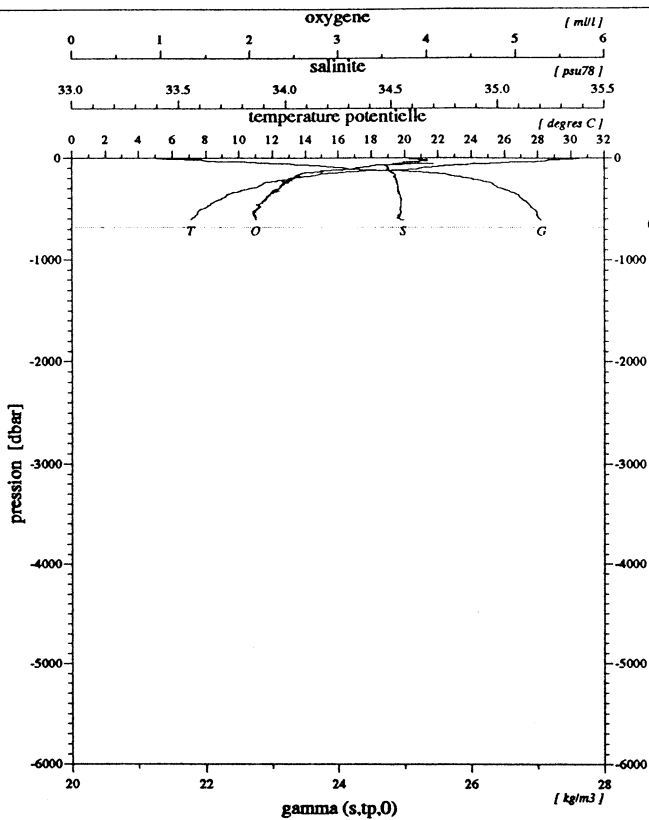


Diagramme salinite / oxygene

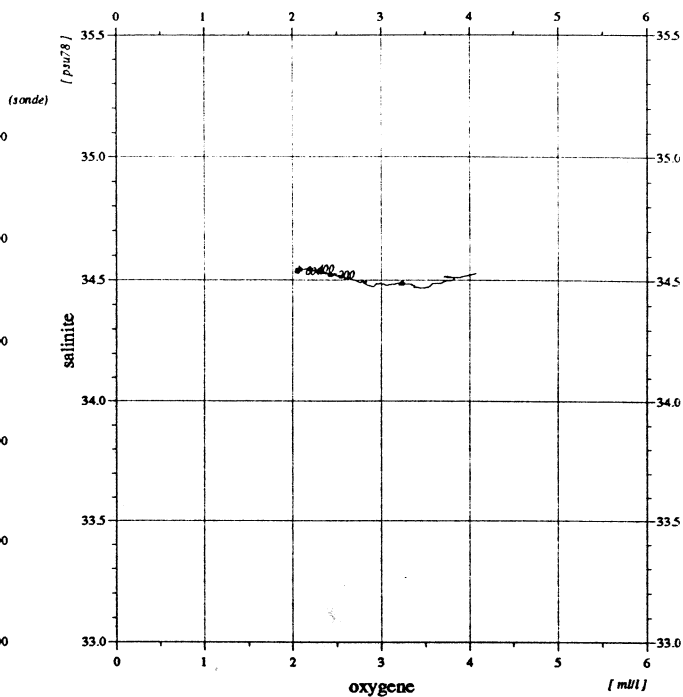


Diagramme temperature potentielle / salinite

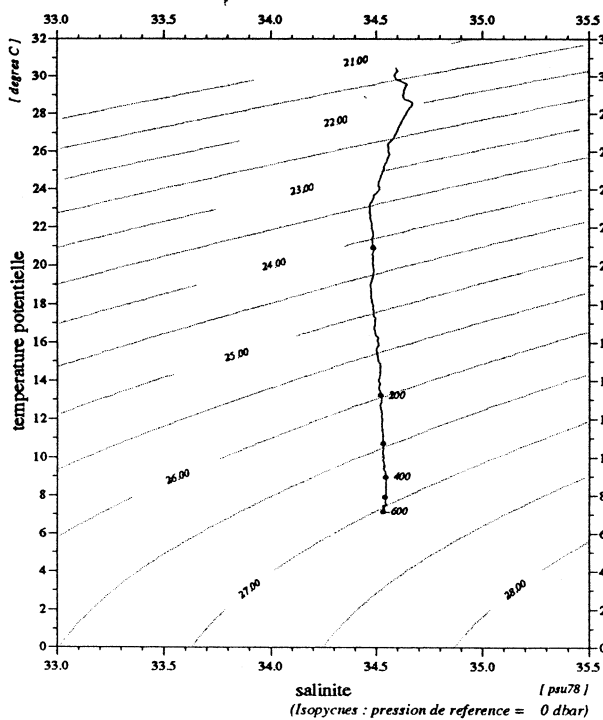
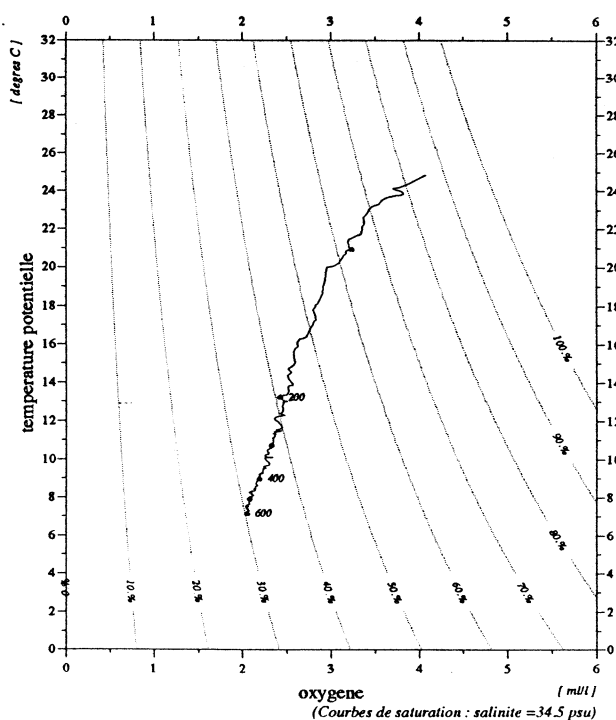


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	615.
temperature	30.450	7.166
theta	30.450	7.106
salinite	34.593	34.560
gamma (s,tp,0)	21.269	27.058
oxygene	-10.00	2.07

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 676 m ( 681 dbar)	
14- 3-1992	10.45' 0 S
3.46 tu	122.27' 9 E

MD71/JADE2

Station 39.10

94/01/24  
13:45:56

STATION-4010

1

JADE 92

station : 40.10

donnees reduites a 10 dbar

le 14/ 3/1992 a 5.59 tu -10.4112 122.1790 sonde: 989 m ( 997.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.290	30.289	34.466	21.229	21.227	37.261	196.7	4.50	103.2	655.3	0.000	1545.7	0.00
10.	9.9	29.930	29.928	34.585	21.442	21.439	37.486	200.1	4.58	104.5	635.3	0.051	1545.2	3.77
20.	19.9	29.038	29.034	34.583	21.742	21.738	37.825	210.9	4.82	108.6	607.0	0.114	1543.5	16.69
30.	29.8	27.708	27.701	34.554	22.158	22.154	38.302	211.3	4.84	106.5	567.6	0.173	1540.7	10.49
40.	39.8	26.330	26.322	34.447	22.518	22.513	38.729	200.3	4.59	98.6	533.6	0.228	1537.6	11.94
50.	49.7	25.113	25.102	34.441	22.890	22.884	39.160	164.4	3.77	79.3	498.5	0.280	1534.9	10.96
60.	59.7	24.212	24.200	34.463	23.178	23.172	39.494	156.1	3.58	74.2	471.3	0.328	1532.9	4.29
70.	69.6	23.566	23.552	34.456	23.363	23.357	39.713	147.5	3.38	69.3	454.0	0.375	1531.5	10.54
80.	79.5	22.212	22.196	34.479	23.769	23.763	40.192	142.8	3.27	65.6	415.6	0.418	1528.2	9.58
90.	89.5	21.736	21.718	34.485	23.906	23.900	40.356	142.2	3.26	64.8	402.8	0.459	1527.1	4.80
100.	99.4	21.298	21.279	34.490	24.031	24.025	40.505	137.6	3.15	62.2	391.2	0.499	1526.1	1.75
110.	109.3	19.959	19.939	34.485	24.386	24.380	40.938	138.5	3.18	61.1	357.6	0.536	1522.6	10.38
120.	119.3	19.435	19.413	34.481	24.520	24.513	41.103	131.5	3.02	57.5	345.2	0.572	1521.3	10.85
130.	129.2	18.027	18.005	34.488	24.880	24.873	41.550	124.5	2.86	53.1	311.0	0.604	1517.4	9.93
140.	139.2	16.892	16.869	34.499	25.162	25.156	41.905	119.5	2.74	49.8	284.3	0.634	1514.3	7.81
150.	149.1	16.369	16.345	34.509	25.292	25.286	42.070	114.3	2.62	47.2	272.1	0.662	1512.8	4.59
160.	159.0	16.069	16.044	34.513	25.364	25.357	42.162	112.9	2.59	46.4	265.5	0.689	1512.1	5.10
170.	169.0	15.752	15.725	34.511	25.434	25.428	42.254	118.4	2.72	48.3	259.1	0.715	1511.3	2.23
180.	178.9	15.451	15.423	34.506	25.499	25.492	42.339	120.5	2.77	48.9	253.2	0.741	1510.5	5.61
190.	188.8	15.180	15.151	34.507	25.560	25.553	42.419	118.6	2.72	47.8	247.6	0.766	1509.8	4.15
200.	198.8	14.749	14.720	34.509	25.655	25.648	42.544	117.2	2.69	46.9	238.7	0.790	1508.6	5.07
220.	218.6	13.952	13.920	34.517	25.831	25.823	42.777	109.9	2.53	43.3	222.4	0.836	1506.4	5.77
240.	238.5	13.036	13.003	34.527	26.026	26.019	43.039	109.1	2.51	42.2	204.0	0.879	1503.7	3.96
260.	258.4	12.497	12.462	34.533	26.138	26.131	43.192	105.5	2.42	40.3	193.7	0.919	1502.2	4.99
280.	278.2	12.218	12.181	34.537	26.195	26.188	43.270	104.3	2.40	39.6	188.7	0.957	1501.6	1.86
300.	298.1	11.430	11.392	34.533	26.341	26.334	43.477	102.6	2.36	38.4	174.9	0.993	1499.3	2.84
320.	317.9	10.689	10.650	34.527	26.470	26.463	43.665	102.5	2.36	37.7	162.8	1.027	1497.0	2.47
340.	337.8	10.428	10.387	34.529	26.518	26.511	43.734	102.6	2.36	37.5	158.5	1.059	1496.4	3.03
360.	357.6	10.136	10.094	34.542	26.578	26.571	43.818	100.3	2.31	36.5	153.1	1.090	1495.7	2.90
380.	377.5	9.439	9.397	34.521	26.679	26.672	43.977	99.6	2.29	35.7	143.4	1.119	1493.5	3.15
400.	397.3	9.353	9.308	34.522	26.695	26.687	44.000	98.4	2.26	35.2	142.3	1.148	1493.5	2.14
420.	417.2	9.066	9.020	34.524	26.743	26.735	44.072	97.7	2.25	34.7	138.0	1.176	1492.8	1.24
440.	437.0	8.848	8.800	34.534	26.785	26.777	44.133	96.9	2.23	34.3	134.1	1.203	1492.3	2.83
460.	456.9	8.597	8.548	34.547	26.834	26.827	44.204	92.4	2.12	32.5	129.7	1.230	1491.7	1.75
480.	476.7	8.451	8.400	34.553	26.862	26.854	44.244	92.7	2.13	32.5	127.3	1.255	1491.5	1.86
500.	496.6	8.299	8.246	34.555	26.888	26.879	44.282	91.8	2.11	32.1	125.1	1.281	1491.3	3.09
550.	546.2	7.663	7.608	34.576	26.999	26.991	44.449	89.9	2.07	31.0	114.8	1.340	1489.7	1.52
600.	595.7	7.356	7.296	34.583	27.049	27.041	44.527	89.5	2.06	30.6	110.5	1.397	1489.4	2.90
650.	645.3	6.827	6.765	34.581	27.121	27.113	44.647	90.5	2.08	30.6	103.8	1.451	1488.2	2.31
700.	694.9	6.179	6.116	34.582	27.207	27.199	44.793	92.6	2.13	30.8	95.5	1.500	1486.4	2.47
750.	744.4	5.906	5.840	34.584	27.244	27.236	44.856	93.3	2.15	30.9	92.3	1.547	1486.2	1.07
800.	793.9	5.874	5.803	34.585	27.250	27.240	44.865	93.2	2.14	30.8	92.4	1.593	1486.9	0.00
850.	843.4	5.500	5.427	34.586	27.297	27.288	44.947	95.3	2.19	31.2	87.9	1.638	1486.2	1.24
900.	893.0	5.190	5.115	34.587	27.334	27.325	45.015	95.9	2.20	31.2	84.4	1.682	1485.8	1.64
950.	942.5	4.948	4.869	34.588	27.364	27.355	45.068	97.2	2.23	31.4	81.7	1.723	1485.6	0.87
fin 976.	968.2	4.868	4.788	34.589	27.374	27.365	45.086	97.5	2.24	31.5	80.9	1.744	1485.7	2.47

Vitesse verticale moyenne du son entre 2. et 976. dbar : 1498.1 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

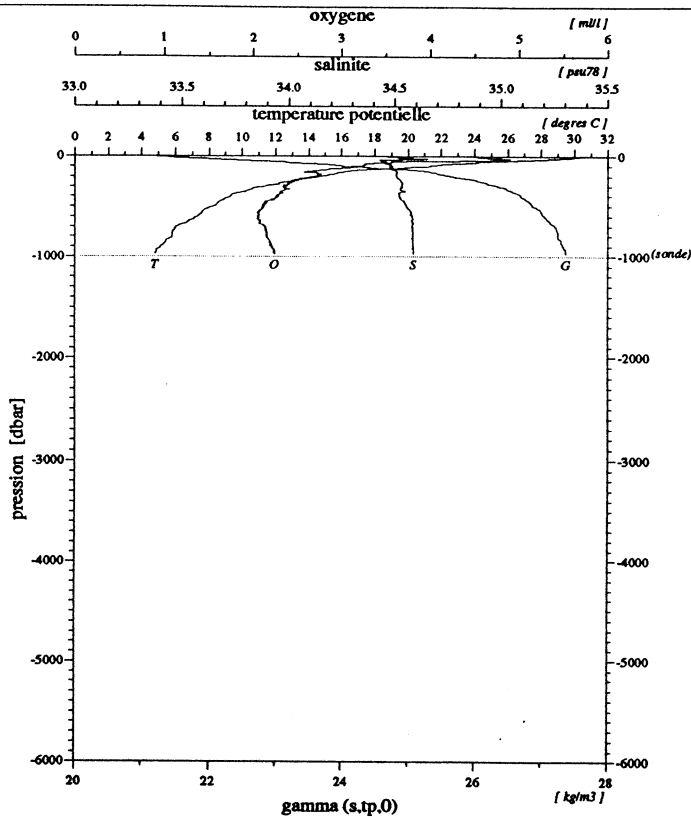


Diagramme salinite / oxygene

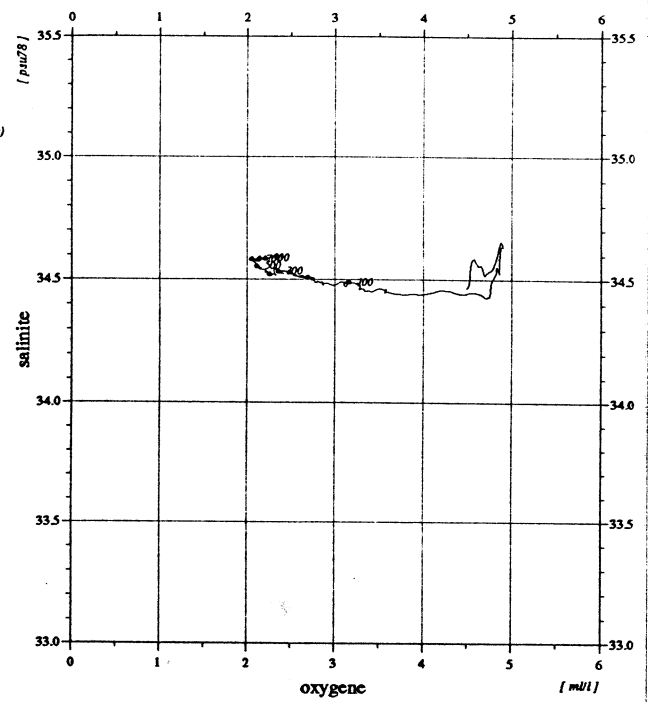


Diagramme température potentielle / salinité

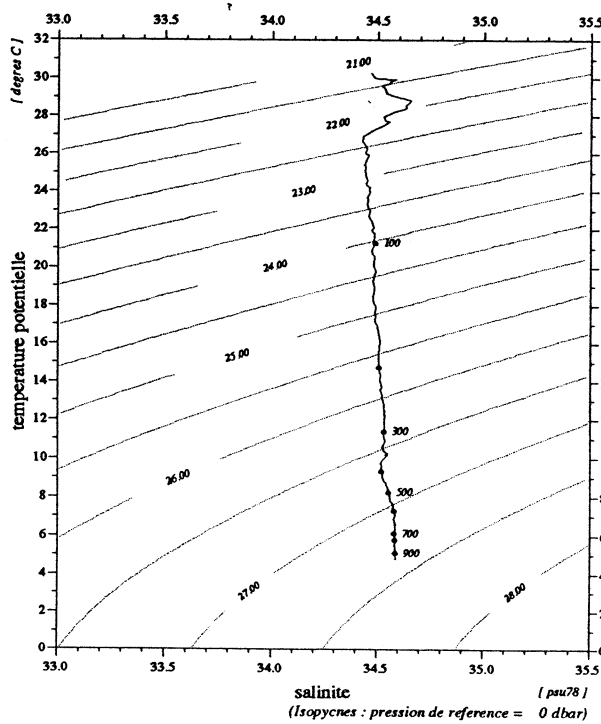
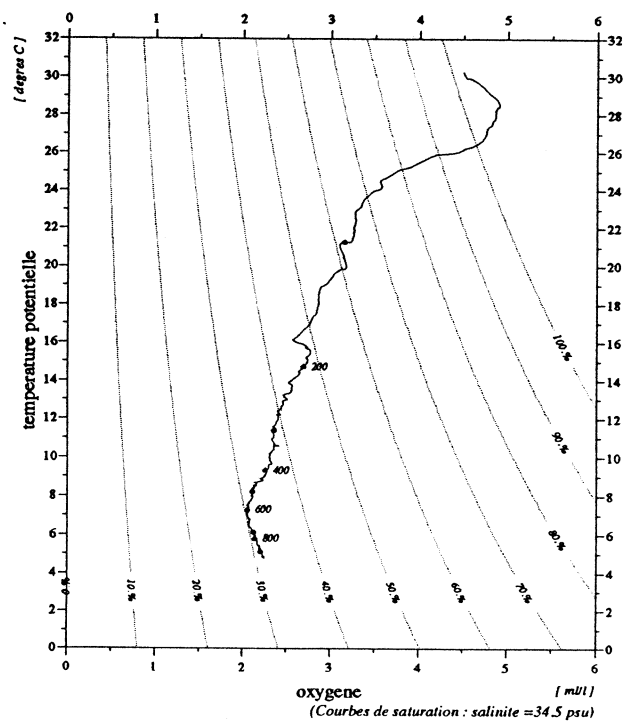


Diagramme température potentielle / oxygene



	debut	fin
pression	2	976
temperature	30.290	4.868
theta	30.289	4.788
salinité	34.466	34.589
gamma (s,tp,0)	21.229	27.374
oxygene	4.50	2.24

Niveaux réduits a 1 dbar  
Bathysonde : NEH-BROWN type Mark III no 01-1116  
01/02/94

sonde 989 m ( 997 dbar)	
14-3-1992	10.41' 1 S
5.59 tu	122.17' 9 E

MD71/JADE2

Station 40.10

94/01/24  
13:46:00

STATION-4020

1

JADE 92

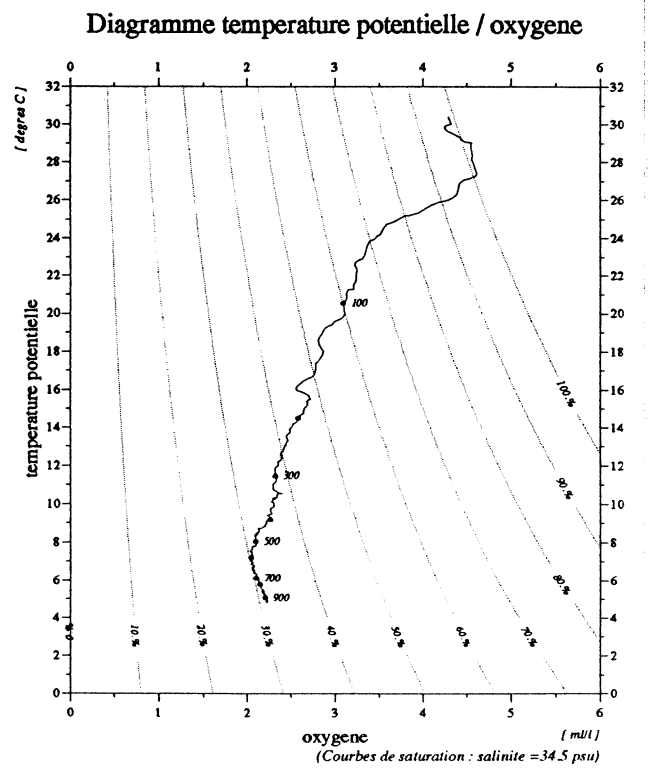
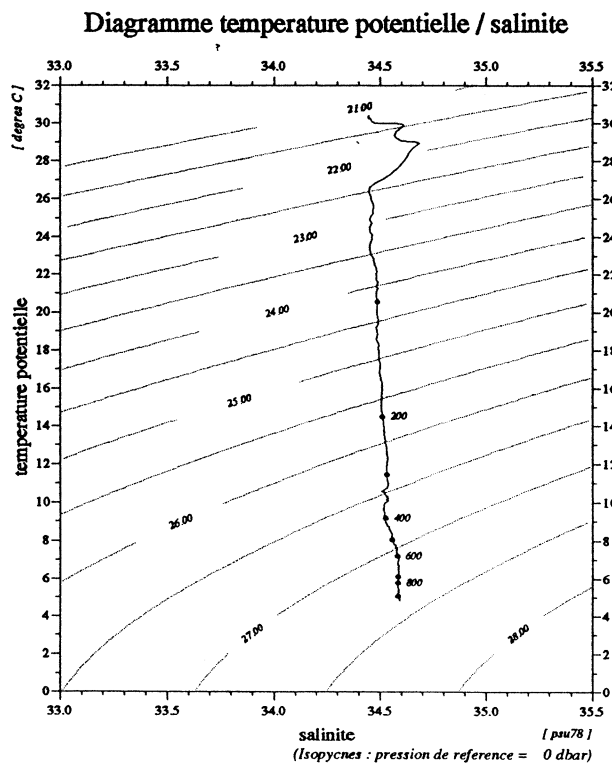
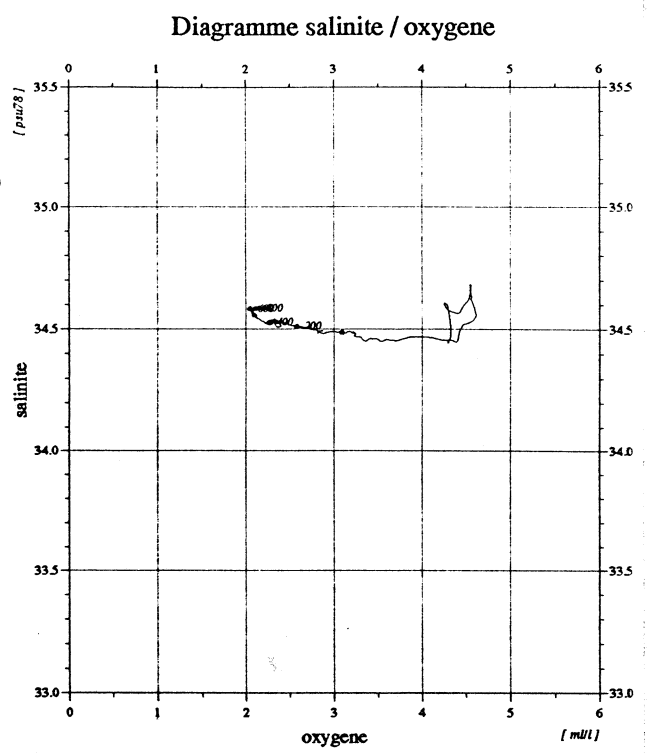
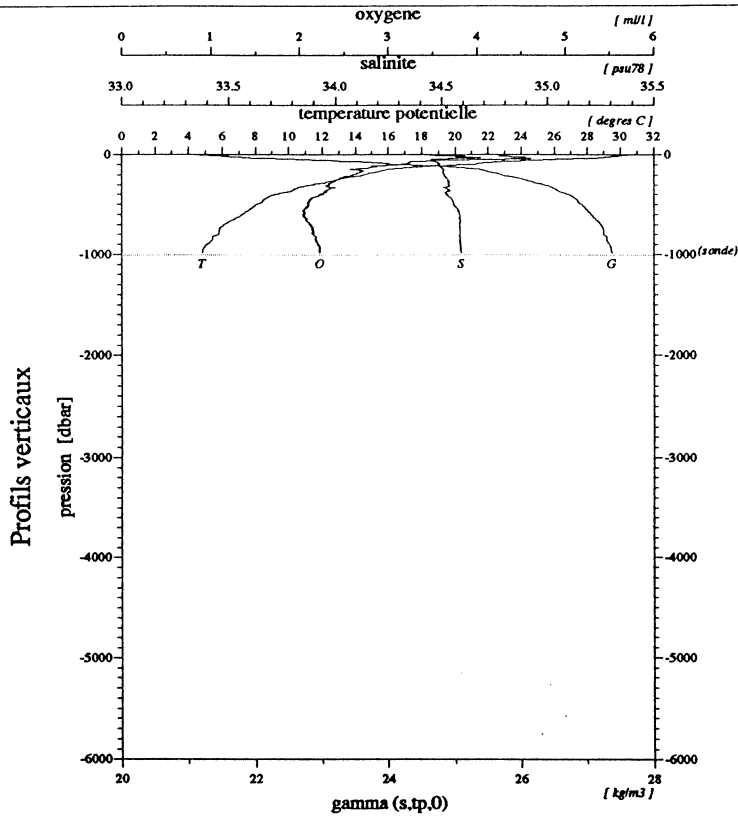
station : 40.20

donnees reduites a 10 dbar

le 14/ 3/1992 a 7.49 tu -10.4103 122.1822 sonde: 996 m (1004.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.422	30.422	34.446	21.169	21.167	37.196	187.7	4.29	98.7	661.1	0.000	1545.9	0.00
10.	9.9	29.980	29.978	34.598	21.435	21.432	37.477	187.5	4.29	98.0	636.0	0.052	1545.3	9.79
20.	19.9	29.369	29.364	34.566	21.618	21.614	37.687	192.5	4.40	99.7	618.9	0.115	1544.2	7.66
30.	29.8	28.856	28.849	34.676	21.873	21.869	37.963	198.8	4.55	102.1	594.9	0.175	1543.4	7.08
40.	39.8	27.063	27.054	34.519	22.340	22.335	38.514	195.2	4.47	97.3	550.7	0.232	1539.4	6.66
50.	49.7	25.376	25.365	34.468	22.830	22.825	39.087	173.2	3.97	84.0	504.2	0.285	1535.6	14.82
60.	59.7	24.119	24.106	34.463	23.205	23.200	39.526	151.6	3.47	72.0	468.7	0.333	1532.7	5.68
70.	69.6	22.833	22.819	34.470	23.585	23.579	39.974	142.4	3.26	66.1	432.8	0.379	1529.6	8.72
80.	79.5	21.956	21.940	34.481	23.842	23.836	40.279	141.1	3.23	64.5	408.6	0.421	1527.5	10.43
90.	89.5	21.294	21.277	34.486	24.029	24.023	40.503	139.8	3.21	63.2	391.0	0.461	1525.9	9.00
100.	99.4	20.579	20.560	34.488	24.224	24.218	40.739	134.9	3.09	60.2	372.8	0.500	1524.2	8.29
110.	109.3	19.347	19.327	34.488	24.548	24.542	41.137	127.4	2.92	55.6	342.1	0.535	1520.9	8.24
120.	119.3	18.030	18.010	34.494	24.883	24.877	41.554	125.0	2.87	53.3	310.3	0.567	1517.3	4.38
130.	129.2	17.280	17.258	34.501	25.071	25.065	41.789	121.0	2.78	50.8	292.7	0.597	1515.3	10.62
140.	139.2	16.381	16.359	34.505	25.286	25.279	42.063	114.1	2.62	47.1	272.4	0.626	1512.7	8.40
150.	149.1	15.929	15.906	34.511	25.394	25.388	42.202	113.8	2.61	46.6	262.3	0.652	1511.5	2.97
160.	159.0	15.599	15.574	34.509	25.467	25.461	42.297	118.1	2.71	48.0	255.6	0.678	1510.6	4.63
170.	169.0	15.440	15.414	34.507	25.502	25.495	42.343	116.9	2.68	47.4	252.6	0.703	1510.3	4.59
180.	178.9	15.062	15.035	34.506	25.584	25.578	42.452	115.7	2.66	46.6	244.9	0.728	1509.3	4.91
190.	188.8	14.732	14.703	34.509	25.659	25.652	42.549	114.4	2.63	45.8	238.1	0.752	1508.4	3.87
200.	198.8	14.535	14.505	34.512	25.704	25.697	42.608	112.7	2.59	44.9	234.0	0.776	1507.9	2.97
220.	218.6	13.844	13.812	34.517	25.854	25.847	42.808	108.4	2.49	42.6	220.1	0.822	1506.0	7.55
240.	238.5	13.127	13.094	34.524	26.006	25.999	43.012	106.2	2.44	41.1	206.0	0.864	1504.0	5.54
260.	258.4	12.655	12.620	34.532	26.107	26.099	43.148	103.6	2.38	39.7	196.8	0.905	1502.8	3.50
280.	278.2	12.206	12.169	34.535	26.196	26.188	43.272	102.4	2.35	38.9	188.6	0.943	1501.6	4.46
300.	298.1	11.499	11.461	34.533	26.328	26.320	43.458	101.1	2.32	37.8	176.2	0.979	1499.5	3.66
320.	317.9	10.830	10.791	34.533	26.450	26.442	43.633	99.9	2.30	36.9	164.8	1.013	1497.5	3.50
340.	337.8	10.466	10.426	34.521	26.505	26.497	43.718	101.4	2.33	37.1	159.8	1.045	1496.5	2.90
360.	357.6	10.273	10.231	34.535	26.550	26.542	43.778	100.4	2.31	36.6	155.9	1.077	1496.2	2.23
380.	377.5	9.789	9.746	34.517	26.618	26.611	43.887	98.5	2.26	35.5	149.5	1.108	1494.7	4.33
400.	397.3	9.228	9.183	34.528	26.720	26.712	44.035	98.5	2.26	35.1	139.9	1.136	1493.0	5.70
420.	417.2	8.910	8.865	34.532	26.773	26.766	44.116	95.6	2.20	33.9	134.9	1.164	1492.2	1.64
440.	437.0	8.719	8.672	34.543	26.813	26.805	44.171	92.6	2.13	32.7	131.4	1.190	1491.8	2.40
460.	456.9	8.503	8.454	34.550	26.852	26.844	44.229	91.3	2.10	32.1	127.9	1.216	1491.4	2.23
480.	476.7	8.441	8.391	34.555	26.865	26.857	44.248	91.6	2.11	32.1	127.0	1.242	1491.5	2.05
500.	496.6	8.105	8.053	34.556	26.918	26.910	44.330	91.2	2.10	31.7	122.1	1.267	1490.5	3.33
550.	546.2	7.689	7.634	34.576	26.995	26.987	44.443	89.2	2.05	30.8	115.2	1.326	1489.8	1.75
600.	595.7	7.274	7.216	34.582	27.060	27.051	44.545	88.9	2.05	30.4	109.4	1.382	1489.1	2.40
650.	645.3	6.796	6.735	34.585	27.129	27.120	44.657	90.1	2.07	30.4	103.1	1.436	1488.0	0.62
700.	694.9	6.189	6.126	34.583	27.208	27.199	44.793	91.7	2.11	30.5	95.5	1.485	1486.5	2.23
750.	744.4	5.922	5.855	34.584	27.243	27.234	44.853	92.9	2.14	30.7	92.5	1.532	1486.2	1.07
800.	793.9	5.861	5.790	34.585	27.251	27.242	44.868	93.6	2.15	30.9	92.2	1.578	1486.8	0.87
850.	843.4	5.500	5.427	34.586	27.297	27.288	44.948	94.5	2.17	31.0	87.9	1.622	1486.2	0.00
900.	893.0	5.151	5.076	34.586	27.339	27.330	45.023	95.9	2.21	31.2	83.9	1.666	1485.6	2.90
950.	942.5	4.943	4.865	34.590	27.366	27.357	45.070	96.7	2.22	31.3	81.5	1.707	1485.6	0.00
fin 987.	979.1	4.898	4.816	34.590	27.372	27.362	45.081	96.7	2.22	31.2	81.3	1.737	1486.0	0.00

Vitesse verticale moyenne du son entre 2. et 987. dbar : 1497.7 m/s  
 Pression de reference pour gamprf : 4000. dbar



	debut	fin
pression	2.	987.
temperature	30.422	4.898
theta	30.422	4.816
salinite	34.446	34.590
gamma (s,tp,0)	21.169	27.372
oxygene	4.29	2.22

Niveaux reduits a 1 dbar  
Bathysonde : NEE=BROWN type Mark III no 01-1116  
01/02/94

sonde 996 m ( 1004 dbar)	
14- 3-1992	10.41' 0 S
7.49 tu	122.18' 2 E

MD71/JADE2

Station 40.20

94/01/24  
13:46:14

STATION-4030

1

JADE 92

station : 40.30

donnees reduites a 10 dbar

le 14/ 3/1992 a 20.53 tu -10.4094 122.1798 sonde: 996 m (1004.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.072	30.072	34.528	21.350	21.347	37.390	188.8	4.32	98.8	643.8	0.000	1545.3	0.00
10.	9.9	29.753	29.750	34.612	21.523	21.520	37.574	190.7	4.36	99.3	627.6	0.051	1544.9	4.49
20.	19.9	29.188	29.183	34.700	21.780	21.776	37.854	207.6	4.75	107.2	603.5	0.112	1543.9	5.63
30.	29.8	28.883	28.876	34.676	21.864	21.860	37.953	206.7	4.73	106.3	595.8	0.172	1543.4	3.82
40.	39.8	27.859	27.849	34.629	22.167	22.161	38.302	207.8	4.76	105.1	567.3	0.231	1541.3	5.90
51.	50.7	26.529	26.518	34.565	22.545	22.539	38.744	180.3	4.13	89.1	531.6	0.292	1538.4	16.31
60.	59.7	26.096	26.082	34.537	22.660	22.654	38.881	165.3	3.79	81.2	520.9	0.339	1537.5	8.19
70.	69.6	24.405	24.390	34.467	23.124	23.117	39.430	148.3	3.40	70.7	476.9	0.389	1533.6	4.70
80.	79.5	23.708	23.692	34.460	23.325	23.319	39.668	148.8	3.41	70.1	458.1	0.436	1532.0	12.34
90.	89.5	22.726	22.707	34.474	23.620	23.613	40.015	140.5	3.22	65.1	430.2	0.480	1529.7	4.68
100.	99.4	22.018	21.998	34.483	23.827	23.820	40.261	141.2	3.24	64.6	410.8	0.522	1528.0	8.75
110.	109.3	21.205	21.184	34.486	24.054	24.047	40.533	136.7	3.13	61.7	389.5	0.562	1526.0	10.33
120.	119.3	19.868	19.846	34.487	24.412	24.405	40.969	129.5	2.97	57.1	355.5	0.600	1522.5	14.85
130.	129.2	18.612	18.589	34.493	24.739	24.732	41.372	124.7	2.86	53.7	324.6	0.633	1519.1	5.03
140.	139.2	17.959	17.935	34.494	24.902	24.895	41.577	124.5	2.86	53.0	309.2	0.665	1517.4	5.22
150.	149.1	17.260	17.235	34.501	25.076	25.069	41.796	121.6	2.79	51.0	292.8	0.695	1515.5	2.90
160.	159.0	16.860	16.833	34.503	25.173	25.166	41.919	120.4	2.76	50.2	283.9	0.724	1514.5	4.80
170.	169.0	15.757	15.731	34.507	25.431	25.424	42.250	113.2	2.60	46.2	259.4	0.751	1511.3	16.02
180.	178.9	15.413	15.385	34.507	25.508	25.501	42.351	120.1	2.76	48.7	252.3	0.777	1510.4	2.23
190.	188.8	14.792	14.764	34.508	25.645	25.638	42.531	114.3	2.62	45.7	239.4	0.801	1508.6	2.48
200.	198.8	14.214	14.185	34.505	25.766	25.759	42.694	112.4	2.58	44.5	228.0	0.825	1506.9	10.70
220.	218.6	12.664	12.634	34.528	26.101	26.094	43.141	106.2	2.44	40.7	196.3	0.867	1502.1	5.03
240.	238.5	11.557	11.526	34.530	26.313	26.307	43.439	102.2	2.35	38.3	176.1	0.904	1498.7	4.50
260.	258.4	11.238	11.206	34.533	26.375	26.369	43.526	100.1	2.30	37.3	170.6	0.939	1497.9	2.77
280.	278.2	10.905	10.871	34.537	26.439	26.432	43.616	99.4	2.28	36.7	164.9	0.973	1497.1	2.05
300.	298.1	10.314	10.278	34.523	26.532	26.525	43.757	99.8	2.29	36.4	156.2	1.005	1495.3	2.14
320.	317.9	9.915	9.878	34.509	26.590	26.583	43.848	101.8	2.34	36.9	150.9	1.035	1494.2	2.05
340.	337.8	9.553	9.515	34.517	26.657	26.650	43.945	99.9	2.30	35.9	144.8	1.065	1493.2	7.68
360.	357.6	9.314	9.274	34.522	26.700	26.693	44.008	98.4	2.26	35.1	141.0	1.093	1492.7	1.75
380.	377.5	9.265	9.223	34.526	26.711	26.704	44.024	97.0	2.23	34.6	140.3	1.122	1492.8	1.38
400.	397.3	8.961	8.917	34.534	26.766	26.759	44.104	94.7	2.18	33.6	135.2	1.149	1492.1	2.97
420.	417.2	8.643	8.598	34.540	26.822	26.815	44.187	94.0	2.16	33.1	130.1	1.176	1491.2	2.77
440.	437.0	8.441	8.394	34.547	26.859	26.851	44.241	94.3	2.17	33.1	126.8	1.201	1490.8	2.62
460.	456.9	8.359	8.310	34.553	26.876	26.869	44.266	92.6	2.13	32.4	125.5	1.227	1490.8	1.75
480.	476.7	8.085	8.035	34.560	26.923	26.916	44.337	92.3	2.12	32.1	121.1	1.251	1490.1	2.55
500.	496.6	7.962	7.910	34.567	26.947	26.939	44.371	91.0	2.09	31.6	119.1	1.275	1490.0	1.38
550.	546.2	7.543	7.489	34.577	27.017	27.008	44.478	89.4	2.06	30.7	113.0	1.333	1489.3	0.87
600.	595.7	7.195	7.137	34.580	27.069	27.061	44.562	89.3	2.05	30.4	108.4	1.389	1488.8	1.07
650.	645.3	6.711	6.650	34.582	27.138	27.129	44.674	90.6	2.08	30.5	102.1	1.442	1487.7	2.47
700.	694.9	6.398	6.334	34.581	27.179	27.170	44.744	91.8	2.11	30.7	98.5	1.492	1487.3	2.55
750.	744.4	5.995	5.928	34.582	27.231	27.223	44.835	93.5	2.15	31.0	93.6	1.540	1486.5	1.24
800.	793.9	5.793	5.722	34.583	27.258	27.249	44.881	94.3	2.17	31.1	91.4	1.586	1486.6	2.05
850.	843.4	5.537	5.464	34.584	27.291	27.282	44.938	94.8	2.18	31.1	88.6	1.632	1486.4	0.87
900.	893.0	5.361	5.284	34.585	27.313	27.304	44.977	96.0	2.21	31.3	86.7	1.675	1486.5	0.62
950.	942.5	5.032	4.953	34.587	27.353	27.344	45.049	97.4	2.24	31.5	82.9	1.718	1486.0	0.00
fin 980.	972.1	4.995	4.913	34.587	27.358	27.349	45.058	97.9	2.25	31.7	82.7	1.743	1486.3	1.96

Vitesse verticale moyenne du son entre 2. et 980. dbar : 1497.6 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

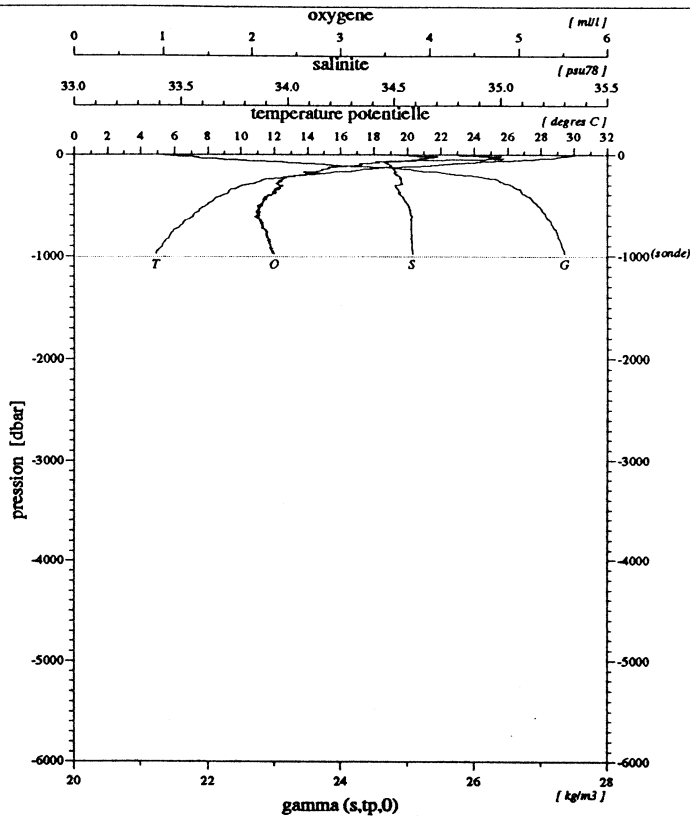


Diagramme salinite / oxygene

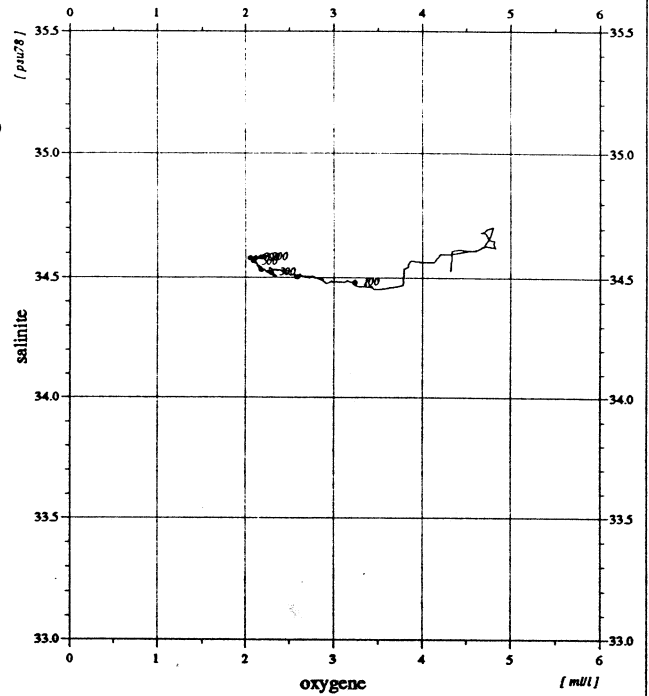


Diagramme temperature potentielle / salinite

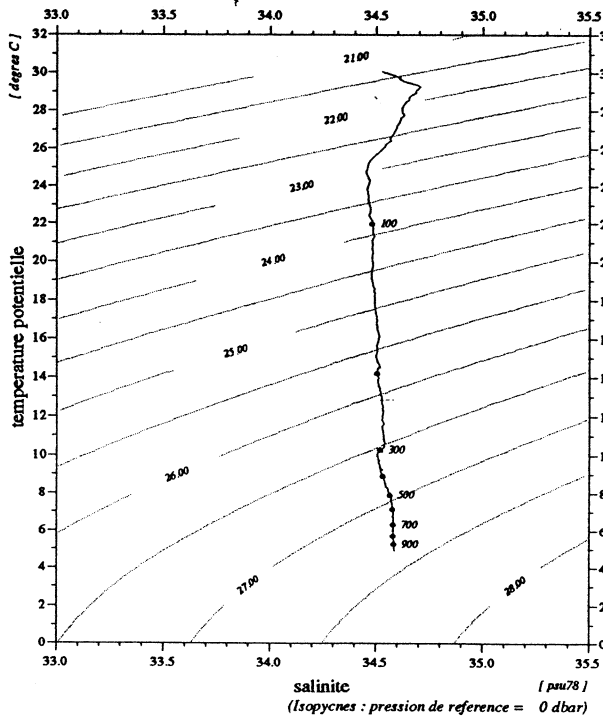
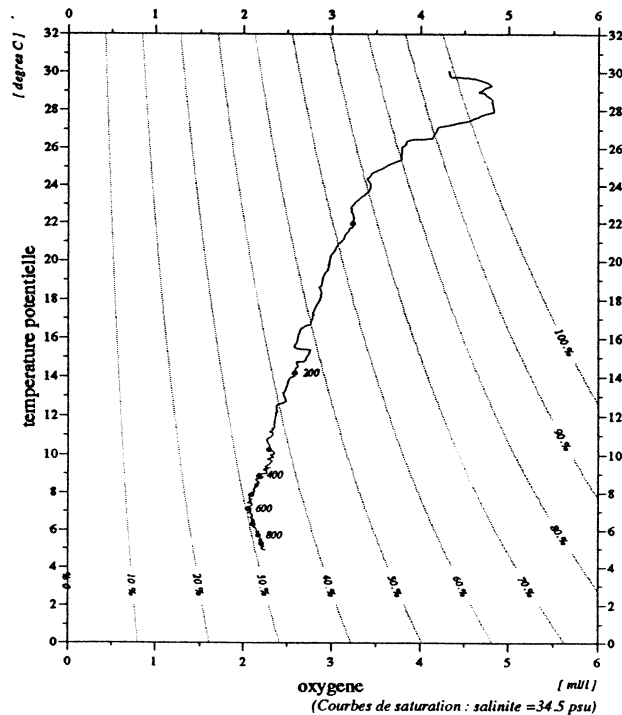


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	980.
temperature	30.072	4.995
theta	30.072	4.913
salinite	34.528	34.587
gamma (s,tp,0)	21.350	27.358
oxygene	4.32	2.25

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 996 m ( 1004 dbar)	
14- 3-1992	10.40' 9 S
20.53 tu	122.17' 9 E

MD71/JADE2

Station 40.30

94/01/24  
13:46:23

STATION-4040

1

JADE 92

station : 40.40

donnees reduites a 10 dbar

le 15/ 3/1992 a 0.48 tu -10.4101 122.1798 sonde: 989 m ( 997.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/Kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.215	30.214	34.531	21.304	21.301	37.337	191.5	4.38	100.4	648.2	0.000	1545.6	0.00
10.	9.9	30.112	30.110	34.539	21.346	21.342	37.383	193.3	4.42	101.2	644.6	0.052	1545.5	10.66
20.	19.9	29.356	29.351	34.623	21.666	21.662	37.734	202.0	4.62	104.6	614.4	0.115	1544.2	14.95
30.	29.8	28.699	28.692	34.666	21.918	21.914	38.015	209.9	4.80	107.6	590.6	0.175	1543.0	7.12
40.	39.8	28.007	27.998	34.625	22.115	22.110	38.244	211.6	4.84	107.2	572.2	0.233	1541.6	10.19
50.	49.7	26.768	26.757	34.589	22.488	22.482	38.674	194.2	4.45	96.4	537.0	0.289	1539.0	9.10
61.	60.6	25.026	25.013	34.479	22.946	22.940	39.220	148.1	3.39	71.4	493.6	0.346	1534.9	15.32
70.	69.6	24.334	24.320	34.475	23.151	23.145	39.461	151.0	3.46	72.0	474.3	0.390	1533.4	9.66
80.	79.5	22.464	22.448	34.483	23.700	23.694	40.109	137.9	3.16	63.6	422.1	0.434	1528.8	6.27
90.	89.5	21.788	21.771	34.493	23.898	23.892	40.345	139.3	3.19	63.5	403.6	0.476	1527.3	8.96
100.	99.4	20.173	20.154	34.495	24.337	24.331	40.876	130.1	2.98	57.7	361.9	0.514	1523.1	13.47
110.	109.3	19.105	19.085	34.498	24.617	24.611	41.220	128.0	2.94	55.6	335.5	0.548	1520.2	2.77
120.	119.3	18.562	18.541	34.497	24.753	24.747	41.390	126.5	2.90	54.4	322.8	0.581	1518.8	8.35
130.	129.2	17.194	17.173	34.505	25.094	25.088	41.818	116.1	2.66	48.7	290.4	0.612	1515.0	4.29
140.	139.2	17.000	16.977	34.509	25.144	25.138	41.880	121.0	2.78	50.6	286.0	0.640	1514.6	5.22
150.	149.1	15.826	15.803	34.514	25.420	25.413	42.234	112.4	2.58	45.9	259.9	0.668	1511.2	6.98
160.	159.0	15.376	15.351	34.512	25.519	25.513	42.365	118.9	2.73	48.2	250.6	0.693	1509.9	3.10
170.	169.0	14.827	14.802	34.514	25.641	25.635	42.525	116.6	2.68	46.7	239.2	0.718	1508.4	2.97
180.	178.9	14.500	14.474	34.519	25.715	25.709	42.622	112.6	2.59	44.8	232.3	0.741	1507.5	2.48
190.	188.8	13.898	13.871	34.518	25.843	25.836	42.792	109.7	2.52	43.2	220.4	0.764	1505.7	4.11
200.	198.8	13.171	13.143	34.531	26.001	25.995	43.004	106.1	2.44	41.1	205.3	0.785	1503.5	3.09
220.	218.6	12.240	12.211	34.540	26.192	26.186	43.264	103.8	2.38	39.5	187.4	0.824	1500.7	4.63
240.	238.5	11.760	11.729	34.535	26.280	26.274	43.390	101.4	2.33	38.2	179.4	0.861	1499.4	3.71
260.	258.4	11.321	11.288	34.538	26.364	26.358	43.508	100.7	2.32	37.6	171.7	0.896	1498.2	3.39
280.	278.2	10.731	10.697	34.544	26.475	26.468	43.666	99.2	2.28	36.6	161.4	0.929	1495.5	2.70
300.	298.1	10.117	10.082	34.513	26.558	26.552	43.799	100.8	2.32	36.7	153.6	0.960	1494.6	4.67
320.	317.9	9.907	9.870	34.515	26.595	26.589	43.854	100.0	2.30	36.2	150.4	0.991	1494.2	1.38
340.	337.8	9.643	9.604	34.522	26.646	26.639	43.926	99.2	2.28	35.7	145.9	1.020	1493.6	4.67
360.	357.6	9.322	9.282	34.530	26.705	26.698	44.012	96.7	2.22	34.6	140.5	1.049	1492.7	1.38
380.	377.5	9.118	9.076	34.529	26.738	26.731	44.062	95.9	2.20	34.1	137.7	1.077	1492.3	2.84
400.	397.3	8.927	8.883	34.539	26.776	26.769	44.117	94.4	2.17	33.4	134.3	1.104	1491.9	3.71
420.	417.2	8.723	8.678	34.542	26.811	26.803	44.169	93.1	2.14	32.8	131.2	1.131	1491.5	3.21
440.	437.0	8.515	8.468	34.554	26.852	26.845	44.228	91.8	2.11	32.2	127.5	1.156	1491.1	3.27
460.	456.9	8.319	8.271	34.560	26.887	26.880	44.280	90.6	2.08	31.7	124.4	1.182	1490.7	1.64
480.	476.7	7.996	7.946	34.570	26.944	26.937	44.365	90.6	2.08	31.5	119.1	1.206	1489.8	1.38
500.	496.6	7.695	7.645	34.582	26.999	26.991	44.446	89.1	2.05	30.7	114.0	1.229	1489.0	2.47
550.	546.2	7.427	7.373	34.581	27.037	27.029	44.508	88.2	2.03	30.2	110.9	1.285	1488.8	2.23
600.	595.7	6.997	6.939	34.586	27.102	27.093	44.612	89.4	2.06	30.3	105.1	1.339	1488.0	0.87
650.	645.3	6.669	6.608	34.585	27.146	27.137	44.686	90.0	2.07	30.3	101.3	1.391	1487.5	3.15
700.	694.9	6.308	6.244	34.586	27.195	27.186	44.768	92.4	2.13	30.9	96.9	1.441	1487.0	0.62
750.	744.4	5.993	5.926	34.585	27.234	27.226	44.838	93.2	2.14	30.9	93.4	1.489	1486.5	1.86
800.	793.9	5.814	5.743	34.587	27.259	27.250	44.880	93.6	2.15	30.9	91.4	1.535	1486.6	1.38
850.	843.4	5.482	5.409	34.588	27.301	27.292	44.953	95.0	2.18	31.1	87.5	1.580	1486.1	1.38
900.	893.0	5.341	5.265	34.589	27.319	27.309	44.985	94.9	2.18	31.0	86.2	1.623	1486.4	1.07
932.	924.6	5.102	5.024	34.591	27.349	27.339	45.038	96.4	2.22	31.3	83.3	1.650	1486.0	0.62

Vitesse verticale moyenne du son entre 2. et 932. dbar : 1497.4 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

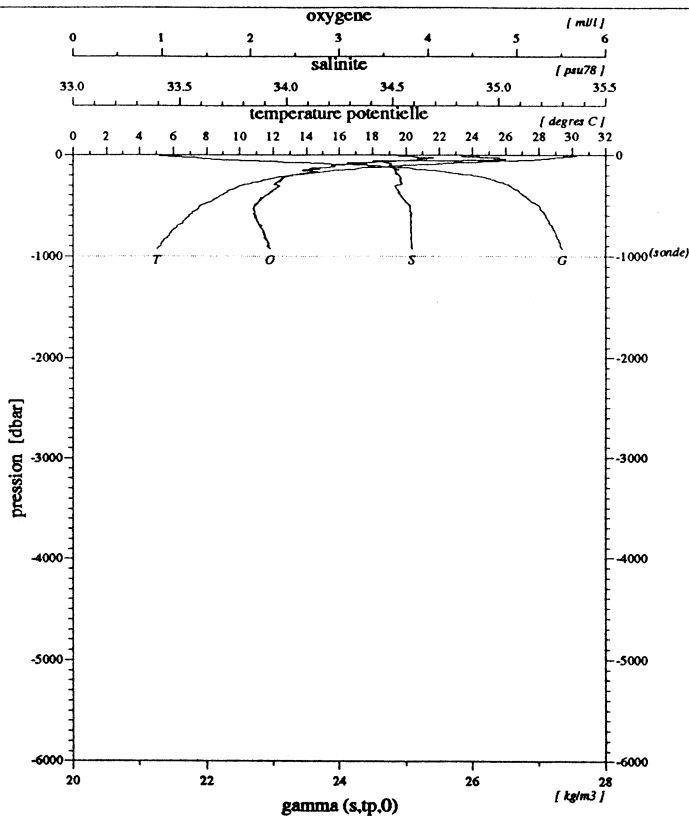


Diagramme salinite / oxygene

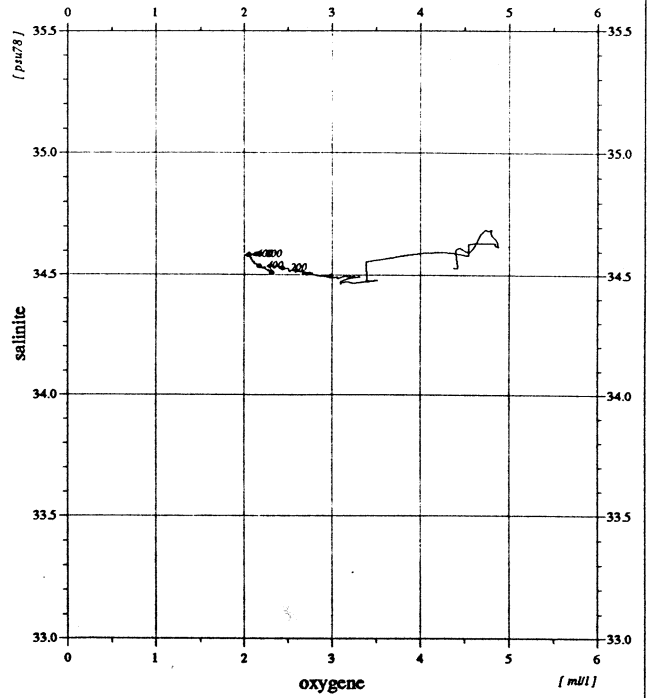


Diagramme temperature potentielle / salinite

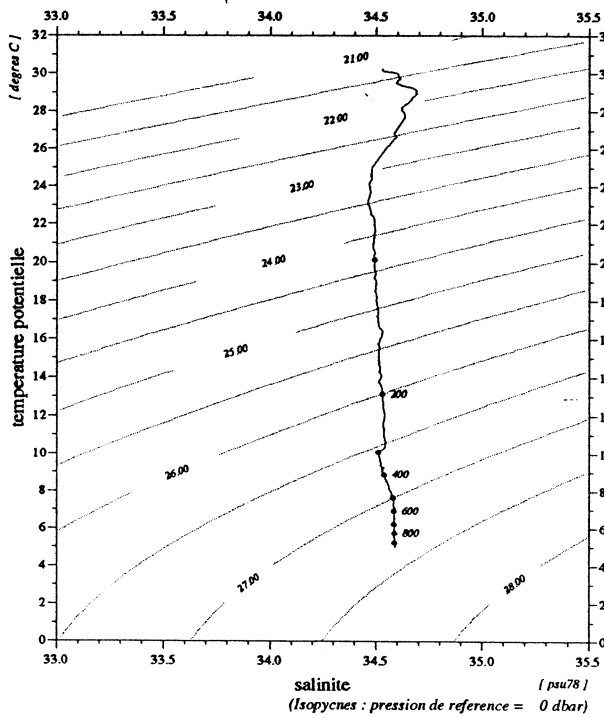
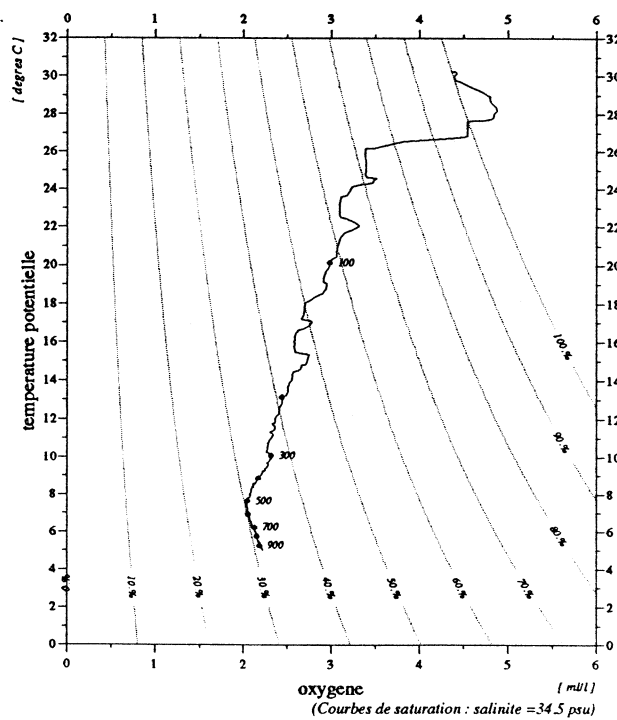


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	932.
temperature	30.215	5.102
theta	30.214	5.023
salinite	34.531	34.591
gamma (s, tp, 0)	21.304	27.348
oxygene	4.38	2.22

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 989 m ( 997 dbar)	
15- 3-1992	10.41' 0 S
0.48 tu	122.17' 9 E

MD71/JADE2

Station 40.40

94/01/24  
13:46:29

STATION-4050

1

JADE 92

station : 40.50

donnees reduites a 10 dbar

le 15/ 3/1992 a 4.42 tu -10.4099 122.1768 sonde: 992 m (1000.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	30.908	30.907	34.617	21.129	21.127	37.132	186.9	4.27	99.2	665.0	0.000	1547.1	0.00
10.	9.9	30.173	30.171	34.566	21.345	21.342	37.380	191.0	4.37	100.1	644.6	0.046	1545.7	8.75
20.	19.9	29.215	29.210	34.686	21.760	21.756	37.834	197.8	4.53	102.2	605.3	0.108	1544.0	10.05
30.	29.8	28.642	28.635	34.664	21.935	21.931	38.034	211.3	4.83	108.2	589.0	0.168	1542.9	6.46
40.	39.8	27.546	27.537	34.621	22.262	22.257	38.412	208.3	4.77	104.8	558.2	0.226	1540.6	8.90
50.	49.7	26.728	26.717	34.598	22.507	22.501	38.695	193.4	4.43	96.0	535.2	0.280	1538.9	2.15
60.	59.7	25.144	25.131	34.472	22.904	22.899	39.173	155.5	3.56	75.1	497.5	0.332	1535.2	16.96
70.	69.6	23.762	23.747	34.465	23.313	23.307	39.652	146.3	3.35	69.0	458.8	0.380	1532.0	11.43
80.	79.5	22.714	22.698	34.477	23.625	23.619	40.021	143.0	3.28	66.3	429.3	0.425	1529.5	10.78
90.	89.5	21.853	21.836	34.486	23.874	23.868	40.317	138.8	3.18	63.4	405.9	0.467	1527.4	9.42
100.	99.4	21.559	21.540	34.493	23.962	23.955	40.421	136.8	3.14	62.1	397.9	0.507	1526.8	2.32
110.	109.3	20.224	20.204	34.486	24.317	24.311	40.854	130.1	2.98	57.7	364.2	0.545	1523.4	11.34
120.	119.3	18.920	18.899	34.493	24.660	24.654	41.275	124.8	2.86	54.1	331.7	0.579	1519.9	8.51
130.	129.2	18.343	18.320	34.501	24.812	24.805	41.462	119.8	2.75	51.3	317.5	0.611	1518.4	5.07
140.	139.2	18.061	18.037	34.505	24.885	24.878	41.553	120.4	2.76	51.3	310.9	0.643	1517.7	11.15
150.	149.1	17.073	17.048	34.507	25.125	25.119	41.857	116.5	2.67	48.8	288.1	0.673	1515.0	5.67
160.	159.0	16.589	16.563	34.515	25.246	25.239	42.009	115.1	2.64	47.7	276.9	0.701	1513.7	3.87
170.	169.0	15.928	15.901	34.516	25.399	25.392	42.207	112.7	2.59	46.1	262.5	0.728	1511.8	8.05
180.	178.9	15.366	15.338	34.511	25.521	25.515	42.368	118.1	2.71	47.8	251.0	0.753	1510.2	4.29
190.	188.8	14.885	14.857	34.514	25.630	25.623	42.509	118.4	2.72	47.5	240.9	0.778	1508.9	6.49
200.	198.8	14.534	14.505	34.516	25.707	25.700	42.611	114.2	2.62	45.5	233.7	0.802	1507.9	0.62
220.	218.6	13.638	13.607	34.526	25.903	25.896	42.872	109.7	2.52	42.9	215.4	0.847	1505.4	5.25
240.	238.5	13.035	13.002	34.529	26.028	26.021	43.042	107.9	2.48	41.7	203.8	0.888	1503.7	6.00
260.	258.4	12.096	12.062	34.538	26.219	26.212	43.303	105.0	2.41	39.8	185.9	0.927	1500.9	4.42
280.	278.2	11.470	11.435	34.537	26.336	26.329	43.468	104.2	2.39	39.0	175.0	0.963	1499.1	2.14
300.	298.1	11.102	11.065	34.539	26.405	26.398	43.567	103.2	2.37	38.3	168.7	0.998	1498.1	5.25
320.	317.9	10.237	10.200	34.524	26.546	26.539	43.778	102.3	2.35	37.3	155.3	1.030	1495.4	2.97
340.	337.8	9.820	9.781	34.515	26.611	26.604	43.877	103.7	2.38	37.5	149.3	1.060	1494.2	2.23
360.	357.6	9.336	9.295	34.527	26.701	26.694	44.007	101.6	2.34	36.3	140.9	1.089	1492.8	2.31
380.	377.5	9.049	9.007	34.532	26.751	26.744	44.081	99.8	2.30	35.5	136.4	1.117	1492.1	1.52
400.	397.3	8.766	8.723	34.542	26.804	26.797	44.158	96.5	2.22	34.1	131.5	1.144	1491.4	2.23
420.	417.2	8.646	8.601	34.549	26.828	26.821	44.193	93.5	2.15	32.9	129.5	1.170	1491.2	1.52
440.	437.0	8.480	8.434	34.552	26.857	26.849	44.236	93.6	2.15	32.8	127.1	1.195	1491.0	0.87
460.	456.9	8.287	8.239	34.558	26.891	26.884	44.287	92.2	2.12	32.2	124.0	1.221	1490.6	3.55
480.	476.7	7.938	7.889	34.573	26.955	26.948	44.381	90.9	2.09	31.5	118.0	1.245	1489.6	2.62
500.	496.6	7.820	7.769	34.579	26.977	26.970	44.414	90.8	2.09	31.4	116.1	1.268	1489.5	1.75
550.	546.2	7.331	7.277	34.582	27.051	27.043	44.530	89.9	2.07	30.7	109.5	1.324	1488.5	2.77
600.	595.7	6.875	6.818	34.585	27.117	27.109	44.638	90.3	2.08	30.6	103.5	1.377	1487.5	0.87
650.	645.3	6.609	6.549	34.586	27.154	27.146	44.700	90.4	2.08	30.4	100.4	1.429	1487.3	1.24
700.	694.9	6.263	6.199	34.586	27.200	27.191	44.778	92.1	2.12	30.7	96.3	1.478	1486.8	1.24
750.	744.4	6.087	6.020	34.584	27.222	27.213	44.817	93.0	2.14	30.9	94.7	1.526	1486.9	1.86
800.	793.9	5.823	5.752	34.587	27.257	27.248	44.877	94.1	2.16	31.1	91.6	1.573	1486.7	1.07
850.	843.4	5.619	5.545	34.585	27.281	27.272	44.921	94.6	2.18	31.1	89.6	1.618	1486.7	1.86
900.	893.0	5.231	5.155	34.588	27.331	27.322	45.008	95.2	2.19	31.0	84.8	1.662	1486.0	1.96
950.	942.5	4.981	4.903	34.591	27.362	27.353	45.063	96.3	2.21	31.2	81.9	1.703	1485.8	0.87
fin 977.	969.2	4.854	4.774	34.591	27.377	27.368	45.091	97.0	2.23	31.3	80.5	1.725	1485.7	3.44

Vitesse verticale moyenne du son entre 3. et 977. dbar : 1497.6 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

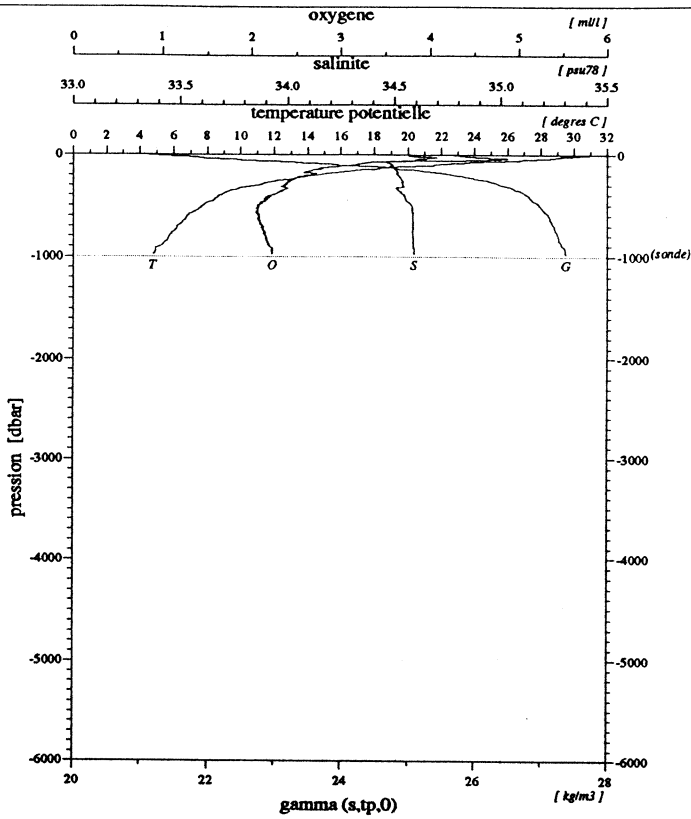


Diagramme salinite / oxygene

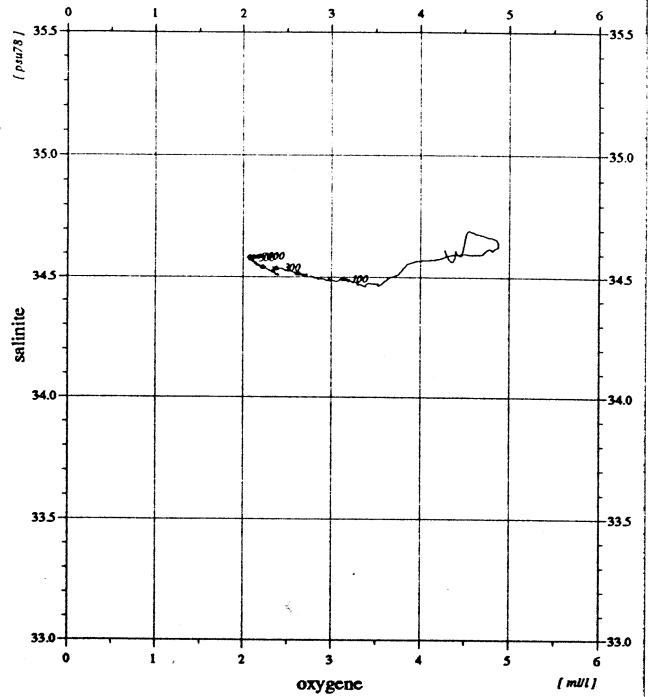


Diagramme temperature potentielle / salinite

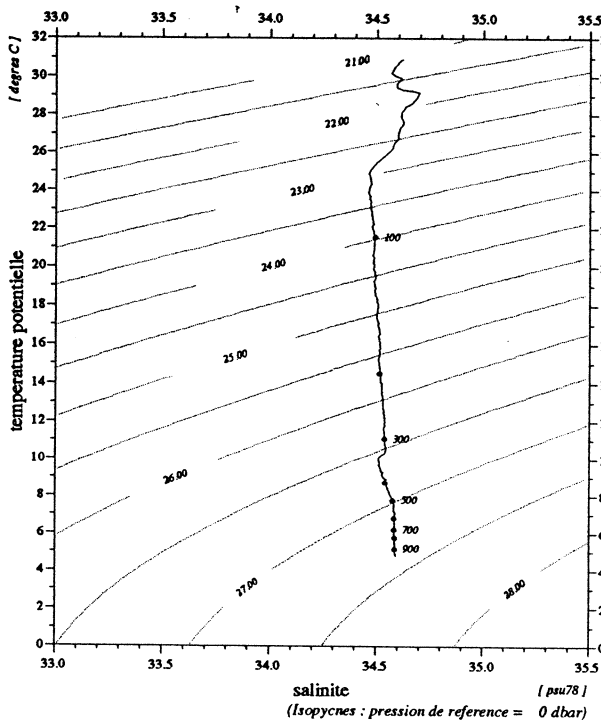
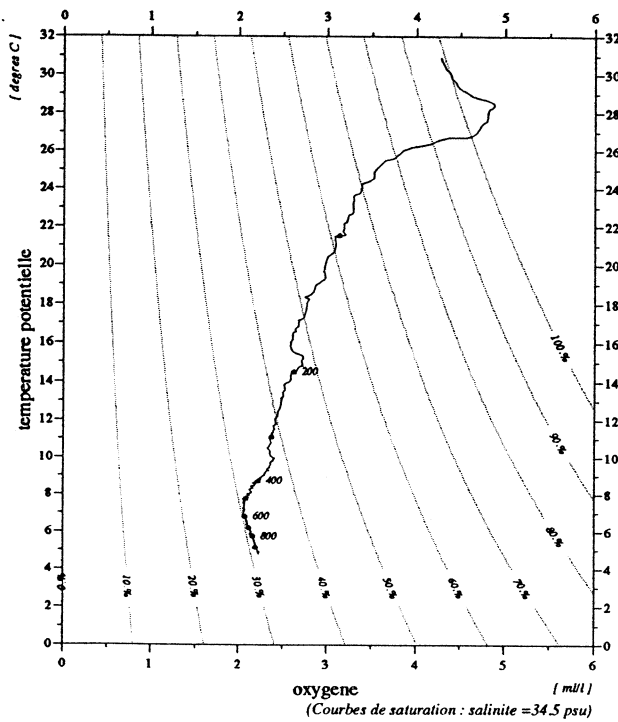


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	977.
temperature	30.908	4.854
theta	30.907	4.774
salinite	34.617	34.591
gamma (s,tp,0)	21.129	27.377
oxygene	4.27	2.23

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 992 m ( 1000 dbar)	
15- 3-1992	10.40'9 S
4.42 tu	122.17'6 E

MD71/JADE2

Station 40.50

94/01/24  
13:46:04

# STATION-4110

1

JADE 92

station : 41.10

donnees reduites a 10 dbar

le 14/ 3/1992 a 9.47 tu -10.3723 122.0883 sonde: 1007 m (1015.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.893	29.893	34.472	21.369	21.367	37.418	195.6	4.47	102.1	641.9	0.000	1544.9	0.00
10.	9.9	29.495	29.493	34.584	21.589	21.586	37.652	195.3	4.47	101.3	621.3	0.051	1544.3	17.74
20.	19.9	27.396	27.392	34.486	22.208	22.204	38.367	198.6	4.55	99.5	562.4	0.110	1539.8	19.66
30.	29.8	25.348	25.341	34.450	22.823	22.820	39.082	176.2	4.04	85.4	503.9	0.163	1535.2	10.19
40.	39.8	24.937	24.928	34.463	22.959	22.955	39.238	163.1	3.73	78.5	491.4	0.213	1534.3	6.24
50.	49.7	24.121	24.110	34.468	23.208	23.203	39.529	152.2	3.49	72.3	468.0	0.261	1532.5	5.94
60.	59.7	23.849	23.837	34.473	23.292	23.287	39.627	150.8	3.45	71.3	460.4	0.308	1532.0	5.75
70.	69.6	22.787	22.773	34.476	23.603	23.597	39.994	144.2	3.31	66.9	431.1	0.353	1529.5	8.10
80.	79.5	22.509	22.493	34.483	23.688	23.682	40.094	142.5	3.27	65.8	423.3	0.395	1529.0	5.94
90.	89.5	22.007	21.990	34.478	23.826	23.820	40.260	140.4	3.22	64.3	410.5	0.437	1527.8	10.49
100.	99.4	20.865	20.846	34.489	24.148	24.141	40.647	137.8	3.16	61.8	380.1	0.477	1524.9	11.35
110.	109.3	19.402	19.383	34.462	24.513	24.507	41.099	126.7	2.91	55.4	345.4	0.513	1521.0	15.59
120.	119.3	17.378	17.358	34.496	25.043	25.037	41.754	122.3	2.81	51.5	295.0	0.544	1515.4	3.50
130.	129.2	16.875	16.853	34.501	25.167	25.161	41.911	122.2	2.81	50.9	283.4	0.573	1514.0	3.56
140.	139.2	16.470	16.447	34.498	25.260	25.254	42.031	120.7	2.77	49.9	274.9	0.602	1513.0	6.31
150.	149.1	16.079	16.055	34.504	25.355	25.348	42.152	121.4	2.79	49.9	266.1	0.629	1511.9	3.82
160.	159.0	15.810	15.785	34.504	25.416	25.410	42.232	119.9	2.75	49.0	260.5	0.655	1511.3	4.11
170.	169.0	15.384	15.358	34.506	25.513	25.507	42.358	117.9	2.71	47.8	251.5	0.680	1510.1	6.00
180.	178.9	15.123	15.096	34.512	25.575	25.568	42.438	116.0	2.66	46.7	245.8	0.705	1509.5	4.06
190.	188.8	14.564	14.536	34.517	25.701	25.694	42.603	111.0	2.55	44.2	234.0	0.729	1507.9	6.61
200.	198.8	14.031	14.002	34.522	25.818	25.811	42.758	108.6	2.49	42.8	223.0	0.752	1506.3	4.75
220.	218.6	12.990	12.960	34.525	26.033	26.026	43.049	105.7	2.43	40.8	202.8	0.794	1503.2	4.24
240.	238.5	12.263	12.232	34.524	26.175	26.169	43.247	106.2	2.44	40.4	189.5	0.833	1501.1	3.81
260.	258.4	11.665	11.632	34.528	26.293	26.286	43.410	104.5	2.40	39.3	178.6	0.870	1499.4	3.27
280.	278.2	11.017	10.983	34.537	26.418	26.411	43.586	100.3	2.31	37.2	166.9	0.905	1497.5	1.96
300.	298.1	10.543	10.507	34.556	26.518	26.511	43.724	99.3	2.28	36.4	157.7	0.937	1496.2	0.87
320.	317.9	9.953	9.916	34.544	26.610	26.604	43.865	99.3	2.28	36.0	149.0	0.968	1494.4	5.53
340.	337.8	9.892	9.852	34.569	26.641	26.633	43.899	100.3	2.31	36.3	146.6	0.997	1494.5	2.70
360.	357.6	9.707	9.665	34.553	26.660	26.652	43.934	97.9	2.25	35.3	145.1	1.027	1494.2	1.24
380.	377.5	9.654	9.611	34.549	26.666	26.658	43.945	97.7	2.24	35.2	144.9	1.056	1494.3	0.00
400.	397.3	9.359	9.314	34.546	26.712	26.705	44.017	98.3	2.26	35.1	140.7	1.084	1493.5	1.96
420.	417.2	9.083	9.037	34.531	26.745	26.737	44.073	95.9	2.20	34.1	137.8	1.112	1492.8	1.64
440.	437.0	8.526	8.479	34.550	26.848	26.840	44.223	92.2	2.12	32.4	127.9	1.138	1491.1	3.03
460.	456.9	8.263	8.215	34.557	26.894	26.886	44.292	92.1	2.12	32.1	123.7	1.164	1490.5	2.23
480.	476.7	8.016	7.967	34.560	26.934	26.926	44.353	91.7	2.11	31.8	120.1	1.188	1489.9	3.03
500.	496.6	7.812	7.761	34.567	26.969	26.962	44.406	91.4	2.10	31.6	116.9	1.212	1489.5	2.23
550.	546.2	7.623	7.568	34.576	27.004	26.996	44.458	89.3	2.05	30.7	114.2	1.270	1489.6	1.07
600.	595.7	7.341	7.282	34.578	27.047	27.038	44.527	90.3	2.08	30.9	110.7	1.326	1489.3	2.14
650.	645.3	6.900	6.838	34.581	27.111	27.103	44.631	90.7	2.09	30.7	104.9	1.381	1488.4	3.76
700.	694.9	6.582	6.517	34.585	27.157	27.148	44.706	90.4	2.08	30.4	100.8	1.432	1488.0	0.00
750.	744.4	6.151	6.083	34.585	27.215	27.206	44.803	92.0	2.12	30.6	95.5	1.481	1487.2	0.87
800.	793.9	5.928	5.857	34.586	27.244	27.235	44.854	92.7	2.13	30.7	93.1	1.528	1487.1	1.64
850.	843.5	5.570	5.497	34.587	27.289	27.280	44.933	93.4	2.15	30.6	88.8	1.574	1486.5	1.24
900.	893.0	5.306	5.229	34.589	27.323	27.314	44.992	94.9	2.18	30.9	85.7	1.617	1486.3	0.00
950.	942.5	5.151	5.071	34.590	27.342	27.333	45.027	95.9	2.21	31.2	84.2	1.660	1486.5	0.00
fin 980.	972.1	5.087	5.005	34.592	27.351	27.341	45.042	95.7	2.20	31.0	83.6	1.685	1486.7	1.51

Vitesse verticale moyenne du son entre 2. et 980. dbar : 1497.3 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

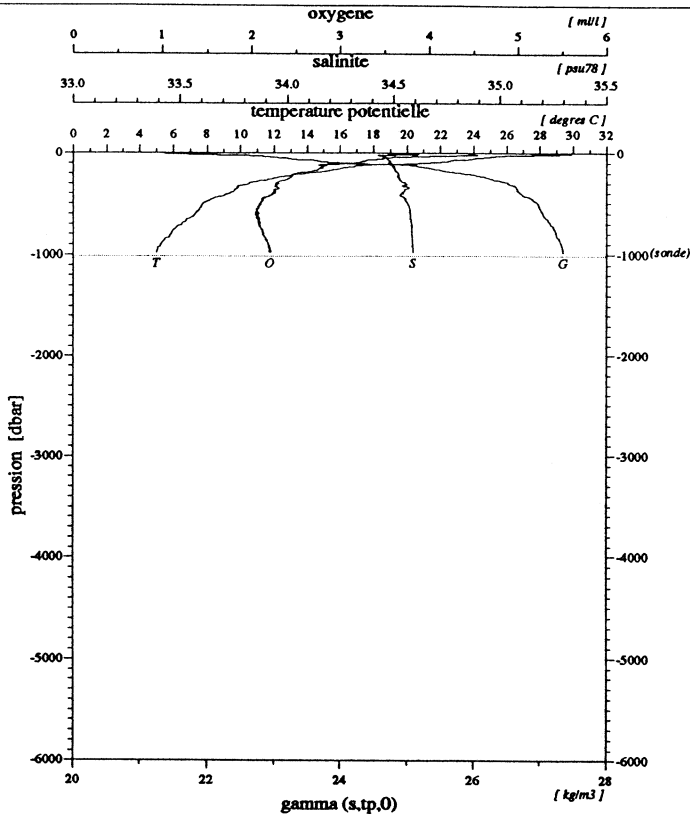


Diagramme salinite / oxygene

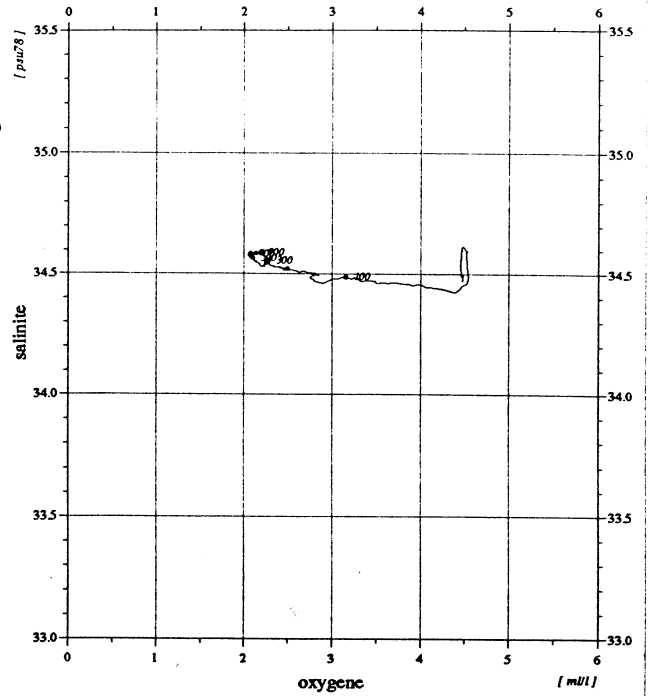


Diagramme temperature potentielle / salinite

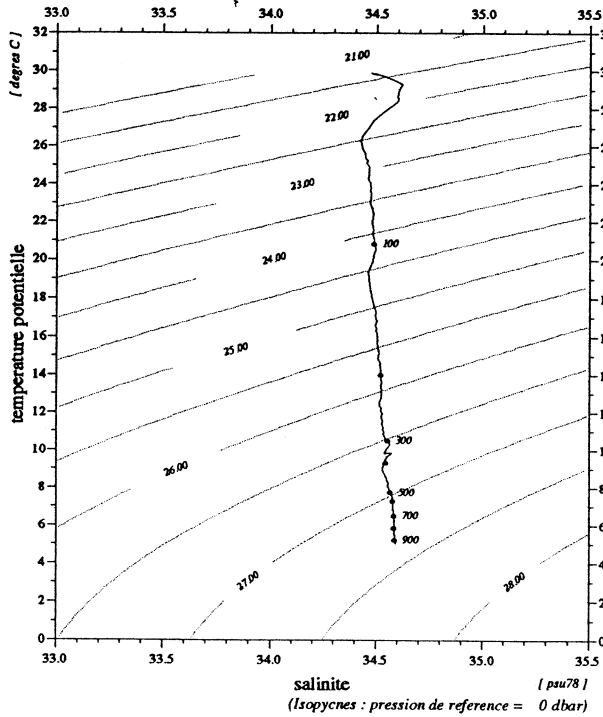
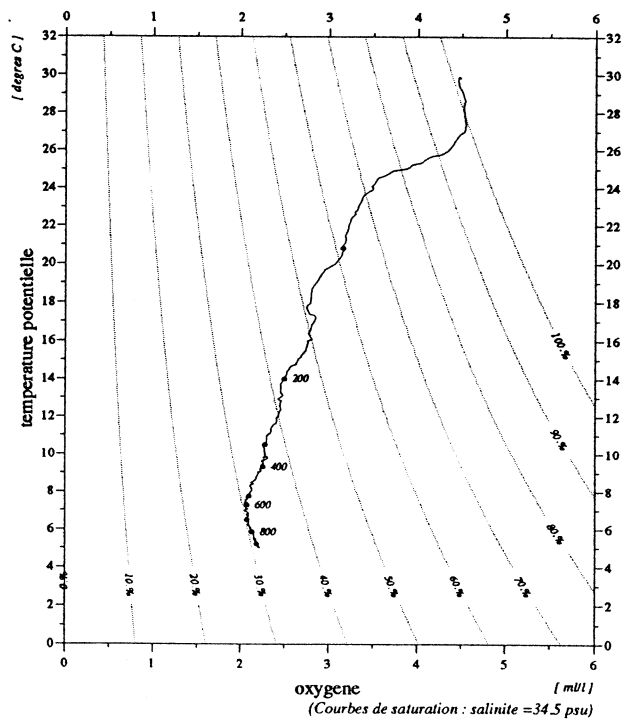


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	980
temperature	29.893	5.087
theta	29.893	5.005
salinite	34.472	34.592
gamma (s,tp,0)	21.369	27.351
oxygene	4.47	2.20

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1007 m (1015 dbar)

14-3-1992 10.37' 2 S  
 9.47 tu 122.8' 8 E

MD71/JADE2

Station 41.10

JADE 92

station : 41.20

donnees reduites a 10 dbar

le 14/ 3/1992 a 11.26 tu -10.3673 122.0893 sonde: 1011 m (1019.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.206	30.205	34.363	21.181	21.179	37.219	187.4	4.28	98.1	659.9	0.000	1545.4	0.00
10.	9.9	29.328	29.326	34.619	21.672	21.669	37.741	192.6	4.41	99.7	613.3	0.052	1544.0	11.56
20.	19.9	28.290	28.285	34.587	21.993	21.989	38.109	197.0	4.51	100.2	583.0	0.111	1541.9	10.17
30.	29.8	25.512	25.506	34.447	22.771	22.767	39.021	178.5	4.09	86.8	508.9	0.166	1535.5	10.90
40.	39.8	25.039	25.031	34.459	22.925	22.920	39.199	167.9	3.85	81.0	494.6	0.216	1534.6	7.96
50.	49.7	24.281	24.271	34.469	23.161	23.156	39.474	155.2	3.56	73.9	472.5	0.264	1532.9	5.99
60.	59.7	23.777	23.765	34.472	23.312	23.307	39.651	151.7	3.47	71.6	458.4	0.311	1531.8	4.96
70.	69.6	22.810	22.796	34.478	23.598	23.592	39.988	143.6	3.29	66.7	431.5	0.356	1529.6	10.26
80.	79.5	22.447	22.431	34.482	23.705	23.698	40.115	143.2	3.28	66.1	421.7	0.399	1528.8	6.21
90.	89.5	21.523	21.505	34.489	23.968	23.962	40.429	141.7	3.25	64.3	396.9	0.439	1526.5	7.61
100.	99.4	20.612	20.593	34.496	24.221	24.215	40.734	137.5	3.15	61.4	373.0	0.478	1524.3	9.56
110.	109.3	19.888	19.868	34.495	24.413	24.406	40.969	133.8	3.07	59.0	355.0	0.515	1522.4	9.61
120.	119.3	18.518	18.497	34.492	24.761	24.754	41.400	122.4	2.81	52.6	322.1	0.549	1518.7	12.37
130.	129.2	17.267	17.245	34.500	25.073	25.067	41.792	122.3	2.81	51.3	292.5	0.579	1515.2	3.10
140.	139.2	16.805	16.782	34.504	25.186	25.179	41.935	122.9	2.82	51.2	282.0	0.607	1514.0	3.16
150.	149.1	16.281	16.257	34.505	25.309	25.302	42.093	121.2	2.78	49.9	270.5	0.635	1512.6	8.60
160.	159.0	15.803	15.778	34.508	25.420	25.414	42.236	120.2	2.76	49.1	260.1	0.661	1511.3	2.63
170.	169.0	15.408	15.382	34.507	25.509	25.502	42.352	118.0	2.71	47.8	251.9	0.687	1510.2	6.25
180.	178.9	15.264	15.236	34.512	25.544	25.537	42.397	117.5	2.70	47.5	248.8	0.712	1509.9	3.82
190.	188.8	14.769	14.741	34.514	25.654	25.647	42.542	115.0	2.64	46.0	238.5	0.737	1508.5	7.30
200.	198.8	14.100	14.071	34.519	25.801	25.794	42.736	109.8	2.52	43.4	224.7	0.760	1506.5	7.63
220.	218.6	13.127	13.097	34.523	26.005	25.998	43.011	106.1	2.44	41.1	205.5	0.803	1503.7	7.35
240.	238.5	12.464	12.432	34.521	26.135	26.128	43.191	106.3	2.44	40.6	193.5	0.843	1501.8	5.77
260.	258.4	12.009	11.975	34.525	26.226	26.219	43.317	105.2	2.42	39.8	185.2	0.881	1500.6	1.52
280.	278.2	11.704	11.668	34.531	26.288	26.281	43.403	103.1	2.37	38.8	179.6	0.917	1499.9	2.55
300.	298.1	10.609	10.573	34.544	26.497	26.490	43.698	98.9	2.27	36.3	159.7	0.951	1496.4	1.96
320.	317.9	9.855	9.819	34.541	26.625	26.618	43.887	97.4	2.24	35.2	147.6	0.982	1494.0	7.63
340.	337.8	9.764	9.725	34.568	26.661	26.654	43.931	98.4	2.26	35.5	144.5	1.011	1494.1	1.07
360.	357.6	9.701	9.660	34.558	26.665	26.657	43.940	97.4	2.24	35.1	144.6	1.040	1494.1	0.00
380.	377.5	9.583	9.540	34.547	26.676	26.668	43.961	96.8	2.23	34.8	143.9	1.069	1494.0	2.90
400.	397.3	9.266	9.222	34.531	26.716	26.708	44.028	95.9	2.20	34.2	140.3	1.097	1493.2	1.86
420.	417.2	9.065	9.018	34.532	26.749	26.742	44.079	94.7	2.18	33.6	137.3	1.125	1492.8	2.90
440.	437.0	8.521	8.474	34.549	26.848	26.841	44.224	91.8	2.11	32.2	127.9	1.152	1491.1	2.31
460.	456.9	8.429	8.381	34.556	26.867	26.860	44.251	90.7	2.09	31.8	126.4	1.177	1491.1	1.64
480.	476.7	8.211	8.161	34.556	26.901	26.894	44.304	90.4	2.08	31.5	123.3	1.202	1490.6	0.87
500.	496.6	8.025	7.973	34.560	26.932	26.924	44.351	90.4	2.08	31.4	120.6	1.227	1490.2	1.75
550.	546.2	7.764	7.708	34.572	26.981	26.973	44.423	89.0	2.05	30.7	116.6	1.285	1490.1	1.07
600.	595.7	7.361	7.302	34.578	27.044	27.036	44.522	89.1	2.05	30.5	111.0	1.342	1489.4	0.00
650.	645.3	7.027	6.965	34.580	27.093	27.084	44.601	89.6	2.06	30.4	106.8	1.397	1488.9	1.24
700.	694.9	6.689	6.623	34.584	27.142	27.133	44.682	89.5	2.06	30.2	102.4	1.449	1488.4	2.14
750.	744.4	6.207	6.138	34.585	27.207	27.198	44.791	91.3	2.10	30.4	96.3	1.499	1487.4	1.52
800.	793.9	5.856	5.786	34.587	27.253	27.244	44.870	92.5	2.13	30.6	92.0	1.546	1486.8	1.38
850.	843.5	5.418	5.345	34.588	27.308	27.299	44.967	94.3	2.17	30.8	86.7	1.591	1485.9	1.51
900.	893.0	5.232	5.156	34.590	27.332	27.323	45.008	95.5	2.20	31.1	84.7	1.634	1486.0	1.51
950.	942.5	5.129	5.049	34.591	27.346	27.336	45.032	96.2	2.21	31.2	83.8	1.676	1486.4	0.00
fin	991.	983.0	5.092	5.009	34.592	27.351	27.341	96.2	2.21	31.2	83.7	1.710	1486.9	0.62

Vitesse verticale moyenne du son entre 2. et 991. dbar : 1497.4 m/s  
 Pression de reference pour gamprf : 4000. dbar

Profils verticaux

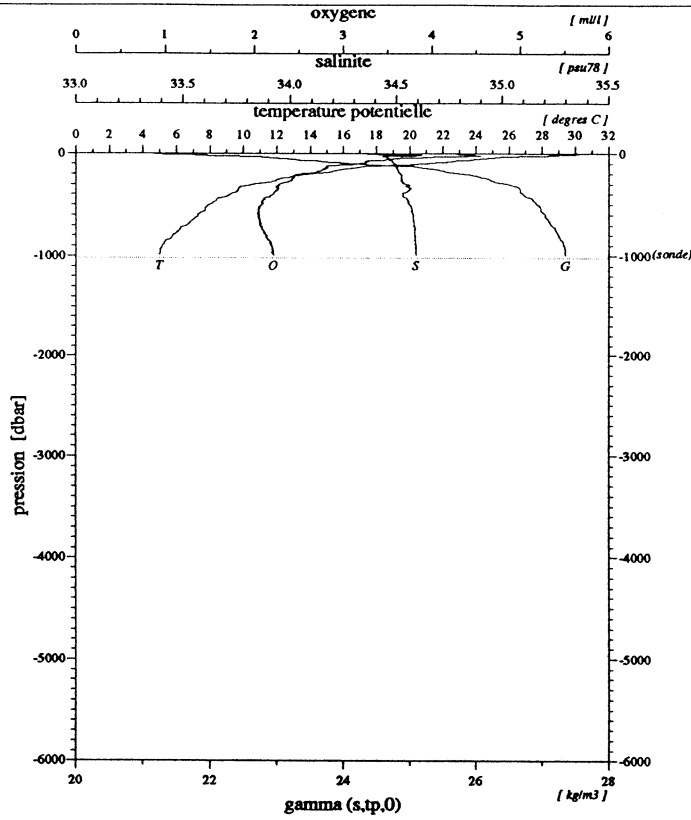


Diagramme salinite / oxygene

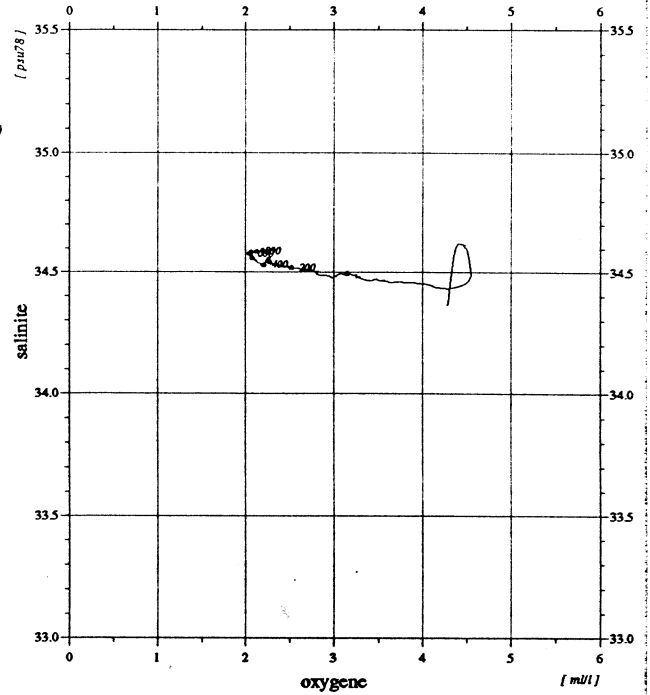


Diagramme temperature potentielle / salinite

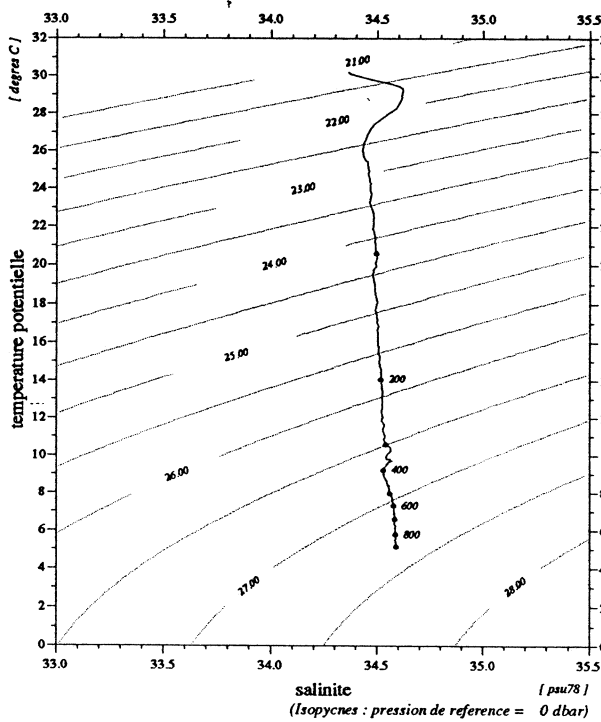
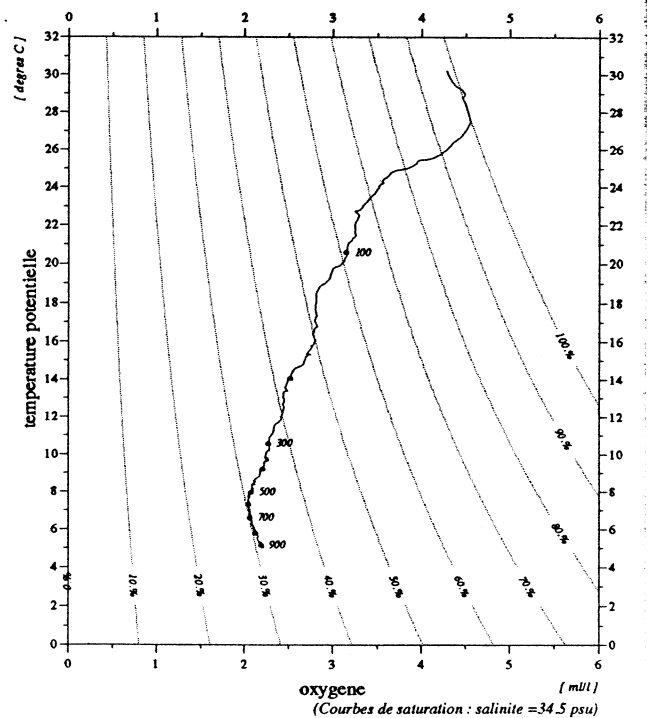


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	991.
temperature	30.206	5.092
theta	30.205	5.009
salinite	34.363	34.592
gamma (s, tp, 0)	21.181	27.351
oxygene	4.28	2.21

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1011 m (1019 dbar)	
14- 3-1992	10.36' 7 S
11.26 tu	122. 8' 9 E

MD71/JADE2

Station 41.20

94/01/24  
13:46:19

STATION-4130

1

JADE 92

station : 41.30

donnees reduites a 10 dbar

le 14/ 3/1992 a 22.46 tu -10.3780 122.0988 sonde: 1183 m (1193.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.867	29.866	34.455	21.366	21.363	37.416	196.7	4.50	102.6	642.2	0.000	1544.8	0.00
10.	9.9	29.585	29.583	34.523	21.512	21.509	37.573	192.9	4.41	100.2	628.6	0.051	1544.4	19.02
20.	19.9	28.884	28.879	34.654	21.847	21.843	37.935	201.4	4.61	103.5	597.0	0.112	1543.2	7.52
30.	29.8	27.425	27.418	34.480	22.194	22.190	38.353	200.7	4.59	100.7	564.2	0.171	1540.0	15.05
40.	39.8	25.528	25.520	34.450	22.769	22.764	39.019	171.2	3.92	83.2	509.6	0.224	1535.8	7.70
50.	49.7	24.948	24.937	34.464	22.957	22.952	39.236	162.3	3.72	78.1	492.0	0.274	1534.5	5.28
60.	59.7	24.402	24.389	34.466	23.123	23.118	39.430	156.0	3.57	74.4	476.5	0.323	1533.4	10.43
70.	69.6	23.291	23.277	34.480	23.461	23.456	39.826	144.7	3.32	67.8	444.6	0.369	1530.8	3.28
80.	79.5	22.986	22.969	34.479	23.549	23.543	39.930	144.2	3.30	67.1	436.6	0.413	1530.2	14.00
90.	89.5	22.107	22.089	34.485	23.803	23.796	40.231	141.3	3.24	64.8	412.7	0.455	1528.1	4.55
100.	99.4	20.501	20.482	34.486	24.243	24.237	40.763	139.8	3.21	62.3	370.9	0.495	1523.9	14.34
110.	109.3	19.967	19.946	34.493	24.391	24.384	40.942	137.6	3.16	60.8	357.2	0.531	1522.6	4.95
120.	119.3	18.464	18.443	34.491	24.774	24.767	41.417	124.8	2.86	53.6	320.8	0.565	1518.6	14.32
130.	129.2	17.417	17.395	34.500	25.037	25.031	41.746	121.1	2.78	51.0	295.9	0.595	1515.7	4.42
140.	139.2	16.912	16.889	34.502	25.159	25.153	41.902	118.4	2.72	49.4	284.5	0.625	1514.3	7.35
150.	149.1	16.348	16.324	34.508	25.296	25.289	42.075	118.7	2.72	49.0	271.8	0.652	1512.8	6.87
160.	159.0	15.703	15.678	34.503	25.439	25.432	42.262	117.9	2.71	48.1	258.3	0.679	1511.0	7.27
170.	169.0	15.120	15.094	34.505	25.570	25.564	42.434	117.4	2.70	47.3	246.0	0.704	1509.3	7.30
180.	178.9	14.738	14.711	34.508	25.656	25.650	42.546	113.9	2.62	45.5	238.0	0.728	1508.3	6.40
190.	188.8	14.071	14.044	34.509	25.799	25.793	42.737	112.0	2.57	44.2	224.5	0.751	1506.3	4.15
200.	198.8	13.407	13.379	34.522	25.947	25.940	42.932	107.1	2.46	41.7	210.6	0.773	1504.3	7.16
220.	218.6	12.635	12.605	34.524	26.103	26.096	43.146	107.0	2.46	41.0	196.0	0.813	1502.0	0.62
240.	238.5	12.174	12.143	34.522	26.191	26.185	43.270	104.8	2.41	39.8	188.0	0.852	1500.8	7.90
260.	258.4	11.362	11.329	34.529	26.349	26.343	43.490	101.1	2.32	37.7	173.1	0.888	1498.4	5.14
280.	278.2	10.854	10.820	34.533	26.445	26.438	43.626	99.6	2.29	36.8	164.3	0.922	1496.9	5.32
300.	298.1	10.506	10.470	34.550	26.520	26.513	43.729	96.9	2.23	35.5	157.5	0.954	1496.0	2.84
320.	317.9	10.157	10.120	34.564	26.592	26.585	43.829	97.9	2.25	35.6	150.9	0.984	1495.1	0.62
340.	337.8	9.845	9.806	34.560	26.642	26.635	43.904	98.0	2.25	35.4	146.4	1.014	1494.3	4.63
360.	357.6	9.757	9.716	34.556	26.654	26.647	43.924	97.0	2.23	35.0	145.6	1.043	1494.3	0.00
380.	377.5	9.451	9.408	34.524	26.679	26.672	43.976	97.2	2.23	34.8	143.4	1.072	1493.5	1.96
400.	397.3	9.247	9.202	34.527	26.715	26.708	44.029	95.1	2.19	33.9	140.3	1.101	1493.1	3.03
420.	417.2	8.707	8.662	34.544	26.814	26.807	44.174	92.4	2.12	32.6	130.9	1.128	1491.5	2.31
440.	437.0	8.512	8.466	34.548	26.848	26.841	44.225	92.0	2.12	32.3	127.9	1.154	1491.1	1.86
460.	456.9	8.343	8.295	34.551	26.877	26.869	44.268	91.3	2.10	31.9	125.4	1.179	1490.8	3.15
480.	476.7	7.930	7.881	34.561	26.947	26.939	44.374	91.0	2.09	31.5	118.8	1.203	1489.6	1.38
500.	496.6	7.908	7.857	34.563	26.952	26.944	44.381	90.6	2.08	31.4	118.6	1.227	1489.8	0.00
550.	546.2	7.610	7.555	34.572	27.003	26.995	44.459	89.6	2.06	30.8	114.3	1.286	1489.5	3.15
600.	595.7	7.119	7.061	34.583	27.082	27.074	44.581	89.1	2.05	30.3	107.1	1.341	1488.5	3.71
650.	645.3	6.977	6.915	34.583	27.102	27.094	44.615	89.1	2.05	30.2	105.8	1.394	1488.7	0.00
700.	694.9	6.638	6.572	34.585	27.150	27.141	44.694	89.8	2.07	30.2	101.6	1.446	1488.2	2.62
750.	744.4	6.287	6.218	34.588	27.199	27.190	44.775	90.6	2.08	30.2	97.2	1.495	1487.7	1.75
800.	793.9	6.015	5.944	34.587	27.233	27.224	44.835	92.3	2.12	30.6	94.2	1.543	1487.4	1.07
850.	843.5	5.903	5.827	34.586	27.248	27.238	44.860	92.7	2.13	30.7	93.3	1.589	1487.8	0.62
900.	893.0	5.626	5.547	34.585	27.281	27.272	44.921	93.9	2.16	30.8	90.3	1.636	1487.5	1.75
950.	942.5	4.992	4.913	34.590	27.360	27.351	45.060	96.4	2.22	31.2	82.1	1.678	1485.8	1.24
1000.	991.9	4.888	4.805	34.591	27.373	27.364	45.084	96.5	2.22	31.2	81.2	1.719	1486.2	0.87
1100.	1090.9	4.409	4.321	34.595	27.430	27.421	45.188	97.7	2.25	31.2	75.8	1.799	1485.9	2.83
fin	1173.	1163.1	4.396	4.302	34.597	27.433	27.423	45.193	98.2	2.26	76.2	1.854	1487.1	0.87

Vitesse verticale moyenne du son entre 2. et 1173. dbar : 1495.6 m/s  
 Pression de reference pour gamprf : 4000. dbar



Profils verticaux

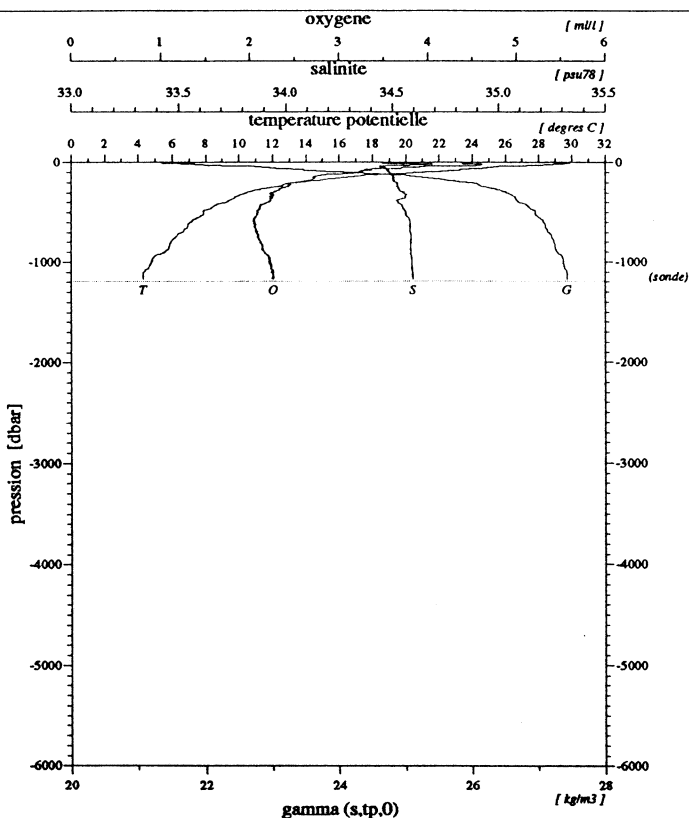


Diagramme salinite / oxygene

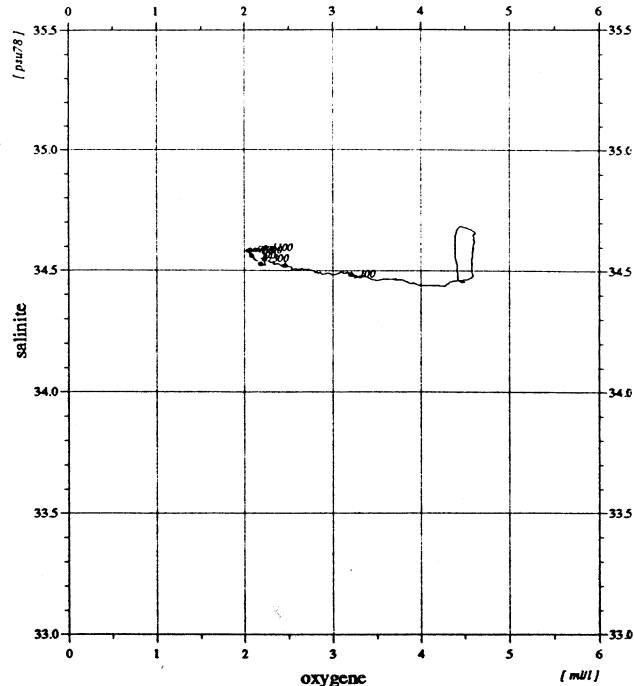


Diagramme temperature potentielle / salinite

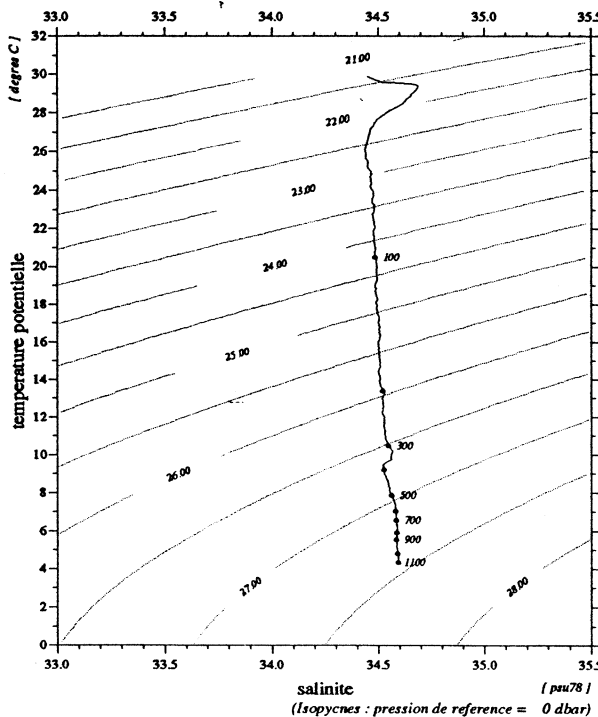
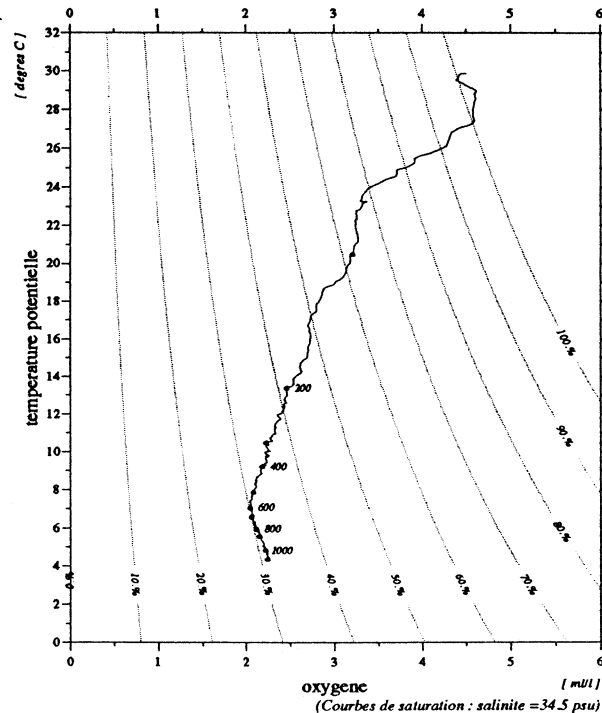


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1173.
temperature	29.867	4.396
theta	29.866	4.302
salinite	34.455	34.597
gamma (s,tp,0)	21.366	27.434
oxygene	4.50	2.26

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1183 m (1193 dbar)	
14- 3-1992	10.37' 8 S
22.46 tu	122. 9' 8 E

MD71/JADE2

Station 41.30

94/01/24  
13:46:27

STATION-4140

1

JADE 92

station : 41.40

donnees reduites a 10 dbar

le 15/ 3/1992 a 2.48 tu -10.3763 122.0994 sonde: 1168 m (1178.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.610	30.609	34.424	21.088	21.086	37.107	186.5	4.26	98.3	668.9	0.000	1546.3	0.00
10.	9.9	30.224	30.221	34.409	21.210	21.207	37.246	194.7	4.45	102.1	657.6	0.053	1545.6	3.10
20.	19.9	29.604	29.599	34.483	21.477	21.473	37.538	200.4	4.58	104.1	632.4	0.118	1544.6	10.42
30.	29.8	29.359	29.351	34.691	21.717	21.712	37.784	200.5	4.59	103.9	610.0	0.180	1544.4	8.54
40.	39.8	28.367	28.358	34.584	21.967	21.962	38.080	201.9	4.62	102.8	586.5	0.239	1542.4	10.75
50.	49.7	25.710	25.699	34.441	22.707	22.701	38.948	176.5	4.04	86.0	516.0	0.295	1536.3	10.96
60.	59.7	24.782	24.769	34.473	23.015	23.009	39.302	155.7	3.57	74.7	486.9	0.345	1534.3	3.56
70.	69.6	23.499	23.485	34.472	23.395	23.389	39.748	146.1	3.35	68.7	451.0	0.392	1531.3	6.04
80.	79.5	22.788	22.772	34.477	23.604	23.597	39.995	140.6	3.22	65.2	431.4	0.437	1529.7	6.41
90.	89.5	22.082	22.065	34.489	23.813	23.807	40.243	143.0	3.28	65.5	411.7	0.479	1528.0	4.80
100.	99.4	21.348	21.329	34.492	24.019	24.013	40.490	140.5	3.22	63.6	392.4	0.519	1526.2	7.74
110.	109.3	20.631	20.611	34.496	24.216	24.209	40.729	134.6	3.09	60.1	373.9	0.557	1524.5	5.40
120.	119.3	19.245	19.224	34.497	24.581	24.574	41.176	131.1	3.01	57.1	339.3	0.593	1520.8	5.40
130.	129.2	18.954	18.931	34.496	24.655	24.647	41.267	125.7	2.88	54.5	332.6	0.626	1520.1	5.81
140.	139.2	17.658	17.634	34.498	24.978	24.971	41.672	120.5	2.77	51.0	301.9	0.658	1516.5	11.06
150.	149.1	16.358	16.335	34.500	25.287	25.280	42.066	116.4	2.67	48.0	272.6	0.687	1512.8	11.18
160.	159.0	15.918	15.893	34.509	25.395	25.389	42.204	116.6	2.68	47.7	262.5	0.713	1511.6	3.16
170.	169.0	15.109	15.084	34.506	25.574	25.567	42.438	117.1	2.69	47.2	245.6	0.739	1509.3	5.03
180.	178.9	14.940	14.913	34.512	25.616	25.609	42.492	114.9	2.64	46.1	241.9	0.763	1508.9	3.16
190.	188.8	14.236	14.209	34.510	25.765	25.759	42.691	112.4	2.58	44.5	227.8	0.787	1506.8	7.14
200.	198.8	14.068	14.039	34.513	25.803	25.796	42.740	111.8	2.57	44.1	224.5	0.809	1506.4	3.22
220.	218.6	12.724	12.694	34.528	26.088	26.082	43.125	105.9	2.43	40.7	197.4	0.851	1502.3	4.20
240.	238.5	12.475	12.443	34.522	26.133	26.126	43.188	106.8	2.45	40.8	193.6	0.890	1501.8	4.75
260.	258.4	11.683	11.650	34.526	26.287	26.281	43.403	103.8	2.39	39.0	179.2	0.927	1499.5	6.25
280.	278.2	11.036	11.002	34.538	26.416	26.409	43.583	101.4	2.33	37.6	167.1	0.961	1497.6	1.64
300.	298.1	10.523	10.487	34.557	26.522	26.515	43.729	98.3	2.26	36.1	157.3	0.994	1496.1	3.21
320.	317.9	10.154	10.116	34.567	26.594	26.587	43.831	98.8	2.27	36.0	150.7	1.025	1495.1	3.55
340.	337.8	9.597	9.559	34.545	26.671	26.664	43.955	98.0	2.25	35.2	143.5	1.054	1493.4	4.46
360.	357.6	9.246	9.206	34.533	26.719	26.713	44.033	98.6	2.27	35.2	139.1	1.082	1492.5	3.50
380.	377.5	8.952	8.910	34.535	26.769	26.762	44.107	94.5	2.17	33.5	134.6	1.110	1491.7	4.37
400.	397.3	8.667	8.624	34.548	26.823	26.817	44.186	91.8	2.11	32.3	129.6	1.136	1491.0	1.07
420.	417.2	8.554	8.510	34.546	26.840	26.833	44.213	90.6	2.08	31.8	128.3	1.162	1490.9	3.86
440.	437.0	8.335	8.289	34.553	26.879	26.872	44.271	90.6	2.08	31.7	124.8	1.187	1490.4	0.87
460.	456.9	8.132	8.085	34.557	26.913	26.906	44.322	92.8	2.13	32.3	121.8	1.212	1490.0	2.31
480.	476.7	8.006	7.957	34.563	26.938	26.930	44.358	90.4	2.08	31.4	119.7	1.236	1489.9	2.31
500.	496.6	7.811	7.760	34.568	26.970	26.963	44.408	90.1	2.07	31.2	116.8	1.260	1489.5	2.90
550.	546.2	7.590	7.536	34.577	27.010	27.002	44.467	88.8	2.04	30.5	113.7	1.317	1489.4	3.15
600.	595.7	7.109	7.051	34.584	27.084	27.076	44.584	89.2	2.05	30.3	106.9	1.372	1488.4	4.06
650.	645.3	6.860	6.798	34.584	27.119	27.110	44.642	90.1	2.07	30.5	104.1	1.425	1488.3	1.75
700.	694.9	6.494	6.429	34.586	27.170	27.161	44.727	91.0	2.09	30.5	99.5	1.476	1487.7	4.75
750.	744.4	6.180	6.112	34.588	27.213	27.204	44.799	91.3	2.10	30.4	95.7	1.525	1487.3	1.38
800.	793.9	5.882	5.811	34.588	27.251	27.242	44.866	93.4	2.15	30.9	92.2	1.572	1486.9	0.00
850.	843.5	5.687	5.613	34.589	27.276	27.267	44.909	93.8	2.16	30.9	90.2	1.617	1487.0	0.00
900.	893.0	5.212	5.136	34.590	27.334	27.325	45.013	96.3	2.21	31.3	84.4	1.661	1485.9	0.00
950.	942.5	4.932	4.854	34.590	27.367	27.358	45.073	97.0	2.23	31.3	81.3	1.703	1485.6	1.38
1000.	991.9	4.679	4.598	34.593	27.398	27.389	45.129	98.1	2.26	31.5	78.4	1.743	1485.4	0.00
1100.	1090.9	4.508	4.419	34.596	27.420	27.411	45.168	98.5	2.27	31.5	77.0	1.821	1486.3	0.00
fin	1158.	1148.2	4.338	4.246	34.597	27.440	27.430	45.205	97.5	2.24	75.3	1.865	1486.6	1.24

Vitesse verticale moyenne du son entre 2. et 1158. dbar : 1495.7 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

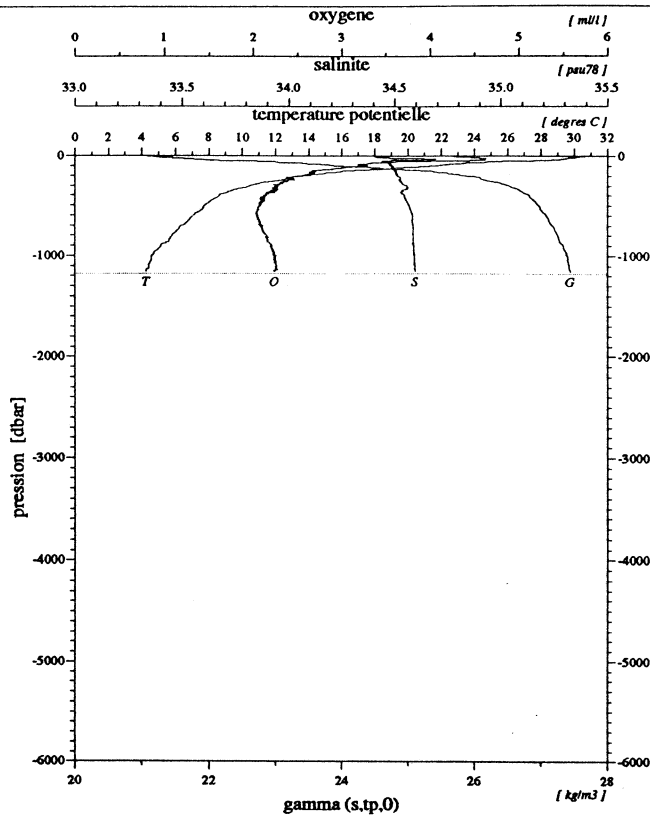


Diagramme salinite / oxygene

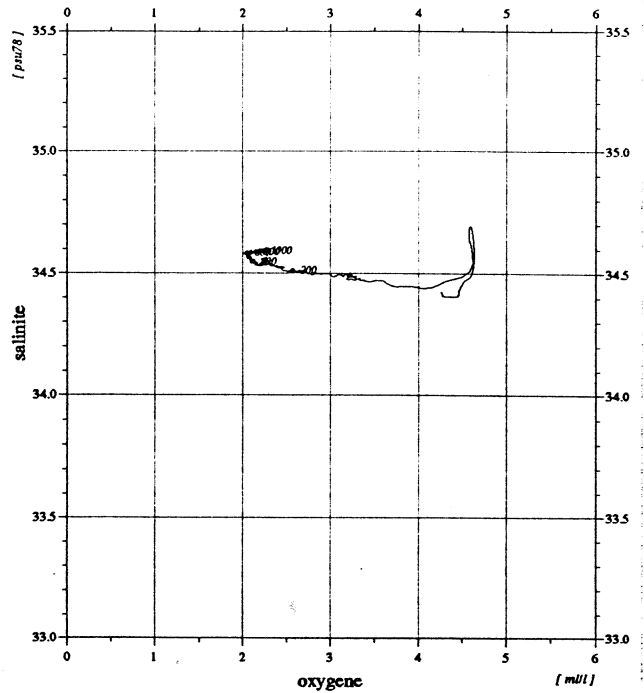


Diagramme temperature potentielle / salinite

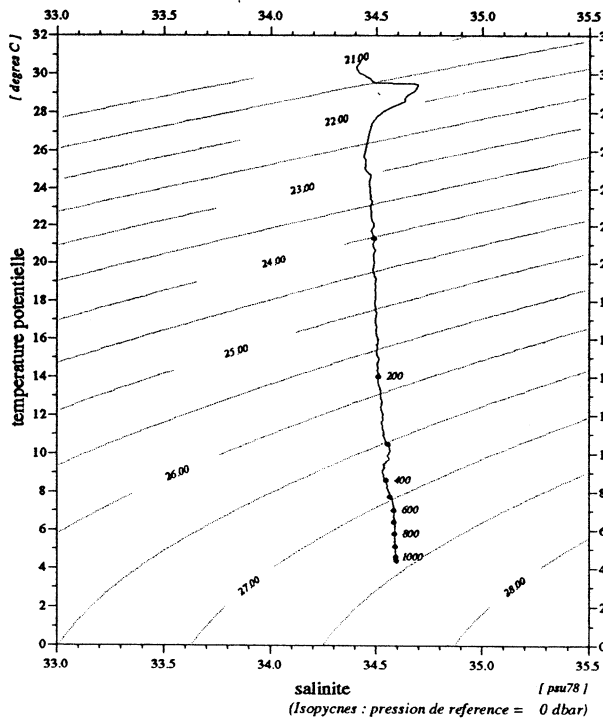
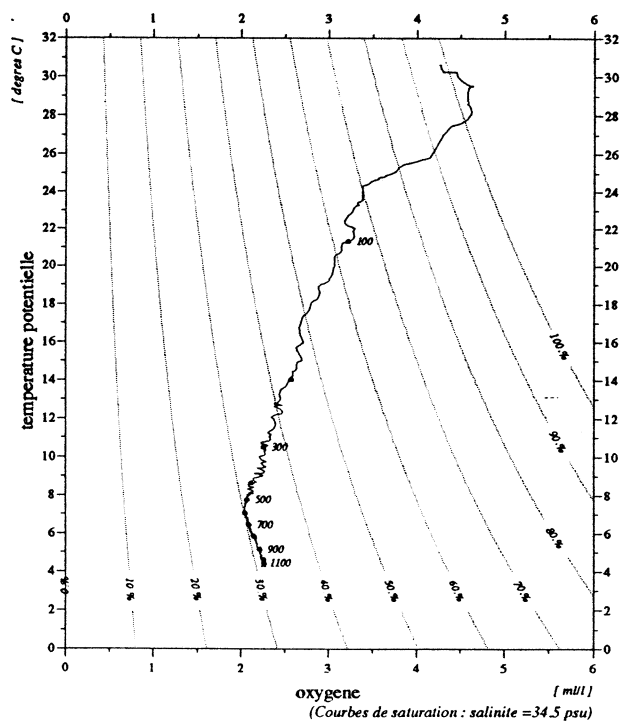


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1158.
temperature	30.610	4.338
theta	30.609	4.246
salinite	34.424	34.597
gamma (s,tp,0)	21.088	27.440
oxygene	4.26	2.24

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1168 m ( 1178 dbar)	
15- 3-1992	10.37' 6 S
2.48 tu	122.9' 9 E

MD71/JADE2

Station 41.40

94/01/24  
13:46:35

# STATION-4150

1

JADE 92

station : 41.50

donnees reduites a 10 dbar

le 15/ 3/1992 a 6.44 tu -10.3795 122.1010 sonde: 1202 m (1212.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	31.458	31.457	34.438	20.803	20.800	36.787	188.0	4.30	100.5	696.2	0.000	1548.0	0.00
10.	9.9	30.404	30.402	34.435	21.167	21.164	37.195	194.8	4.45	102.4	661.7	0.054	1546.0	17.10
20.	19.9	29.507	29.502	34.515	21.534	21.530	37.598	202.2	4.62	104.9	627.0	0.118	1544.4	9.83
30.	29.8	29.132	29.124	34.686	21.789	21.785	37.866	202.9	4.64	104.7	603.0	0.180	1544.0	9.11
40.	39.8	28.559	28.549	34.609	21.922	21.917	38.026	204.6	4.68	104.6	590.7	0.240	1542.8	7.22
50.	49.7	27.675	27.664	34.513	22.140	22.134	38.286	205.8	4.71	103.7	570.3	0.298	1540.9	7.44
60.	59.7	24.903	24.890	34.442	22.955	22.949	39.236	151.3	3.46	72.8	492.6	0.351	1534.6	16.06
70.	69.6	23.376	23.362	34.477	23.434	23.428	39.794	140.9	3.23	66.0	447.2	0.398	1531.0	4.60
80.	79.5	21.989	21.973	34.476	23.829	23.823	40.264	143.1	3.28	65.5	409.8	0.441	1527.6	13.40
90.	89.5	20.827	20.810	34.486	24.156	24.150	40.657	137.0	3.14	61.4	378.9	0.480	1524.7	7.17
100.	99.4	20.433	20.414	34.498	24.270	24.264	40.794	138.7	3.18	61.7	368.3	0.518	1523.8	2.84
110.	109.3	20.186	20.166	34.497	24.335	24.329	40.874	134.0	3.07	59.4	362.5	0.554	1523.3	3.22
120.	119.3	19.691	19.669	34.495	24.464	24.457	41.032	133.4	3.06	58.6	350.5	0.590	1522.0	4.72
130.	129.2	19.025	19.002	34.495	24.636	24.629	41.244	127.1	2.92	55.2	334.4	0.624	1520.3	5.91
140.	139.2	18.043	18.019	34.489	24.877	24.870	41.547	124.7	2.86	53.1	311.6	0.657	1517.7	10.00
150.	149.1	16.789	16.765	34.507	25.192	25.186	41.943	113.4	2.60	47.2	281.7	0.686	1514.1	6.95
160.	159.0	16.101	16.076	34.506	25.351	25.344	42.147	116.1	2.67	47.7	266.8	0.714	1512.2	7.73
170.	169.0	15.470	15.444	34.506	25.494	25.488	42.333	117.8	2.70	47.8	253.3	0.740	1510.4	11.33
180.	178.9	15.042	15.014	34.509	25.591	25.585	42.460	116.4	2.67	46.8	244.3	0.765	1509.2	4.59
190.	188.8	14.867	14.838	34.512	25.632	25.625	42.513	116.1	2.67	46.5	240.7	0.789	1508.8	3.09
200.	198.8	14.550	14.521	34.512	25.700	25.693	42.604	113.7	2.61	45.3	234.4	0.813	1508.0	5.18
220.	218.6	13.505	13.474	34.511	25.919	25.912	42.898	110.2	2.53	43.0	213.8	0.858	1504.9	8.51
240.	238.5	12.875	12.842	34.528	26.059	26.052	43.084	105.4	2.42	40.6	200.8	0.899	1503.2	5.14
260.	258.4	12.689	12.654	34.529	26.097	26.090	43.136	104.5	2.40	40.1	197.7	0.939	1502.9	2.23
280.	278.2	12.296	12.259	34.532	26.176	26.169	43.245	104.0	2.39	39.6	190.5	0.978	1501.9	1.86
300.	298.1	11.719	11.681	34.536	26.289	26.281	43.403	102.3	2.35	38.5	180.0	1.015	1500.3	3.39
320.	317.9	10.813	10.774	34.542	26.460	26.452	43.644	99.8	2.29	36.8	163.8	1.049	1497.4	2.32
340.	337.8	10.528	10.487	34.550	26.516	26.509	43.724	98.2	2.26	36.0	158.7	1.081	1496.8	2.62
360.	357.6	9.872	9.831	34.535	26.618	26.610	43.879	97.6	2.24	35.3	149.2	1.112	1494.7	4.37
380.	377.5	9.342	9.299	34.528	26.700	26.693	44.006	97.1	2.23	34.7	141.4	1.141	1493.1	2.31
400.	397.3	9.027	8.983	34.534	26.756	26.749	44.089	95.2	2.19	33.8	136.2	1.169	1492.3	2.05
420.	417.2	8.752	8.707	34.542	26.807	26.799	44.162	93.6	2.15	33.0	131.6	1.195	1491.6	2.77
440.	437.0	8.624	8.577	34.547	26.830	26.823	44.197	93.1	2.14	32.8	129.7	1.221	1491.5	1.07
460.	456.9	8.388	8.340	34.556	26.874	26.866	44.261	92.0	2.12	32.2	125.7	1.247	1491.0	0.00
480.	476.7	8.352	8.302	34.562	26.885	26.877	44.275	91.0	2.09	31.8	125.0	1.272	1491.2	2.05
500.	496.6	8.172	8.120	34.563	26.913	26.905	44.319	91.1	2.09	31.7	122.6	1.297	1490.8	2.05
550.	546.2	7.579	7.524	34.577	27.012	27.004	44.470	88.9	2.05	30.6	113.5	1.356	1489.4	2.14
600.	595.7	7.151	7.093	34.583	27.078	27.069	44.574	88.8	2.04	30.2	107.6	1.411	1488.6	2.14
650.	645.3	6.973	6.910	34.586	27.105	27.096	44.618	89.6	2.06	30.4	105.6	1.464	1488.7	0.00
700.	694.9	6.374	6.310	34.589	27.188	27.179	44.756	91.1	2.10	30.5	97.6	1.515	1487.2	1.75
750.	744.4	6.124	6.056	34.589	27.221	27.212	44.812	91.9	2.11	30.5	94.9	1.563	1487.1	1.24
800.	793.9	6.025	5.953	34.589	27.234	27.225	44.835	91.8	2.11	30.4	94.1	1.611	1487.5	0.87
850.	843.5	5.787	5.712	34.587	27.263	27.253	44.886	93.8	2.16	30.9	91.7	1.657	1487.4	0.00
900.	893.0	5.498	5.420	34.589	27.300	27.290	44.951	94.7	2.18	31.0	88.3	1.702	1487.0	3.15
950.	942.5	5.151	5.071	34.592	27.344	27.334	45.028	96.6	2.22	31.4	84.0	1.745	1486.5	0.00
1000.	991.9	4.830	4.748	34.593	27.382	27.372	45.098	97.2	2.24	31.4	80.3	1.786	1486.0	0.00
1100.	1090.9	4.394	4.307	34.596	27.433	27.423	45.192	98.0	2.26	31.3	75.5	1.864	1485.9	0.87
fin 1193.	1182.8	4.287	4.192	34.597	27.446	27.436	45.216	99.1	2.28	31.5	74.9	1.934	1487.0	0.00

Vitesse verticale moyenne du son entre 2. et 1193. dbar : 1496.1 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

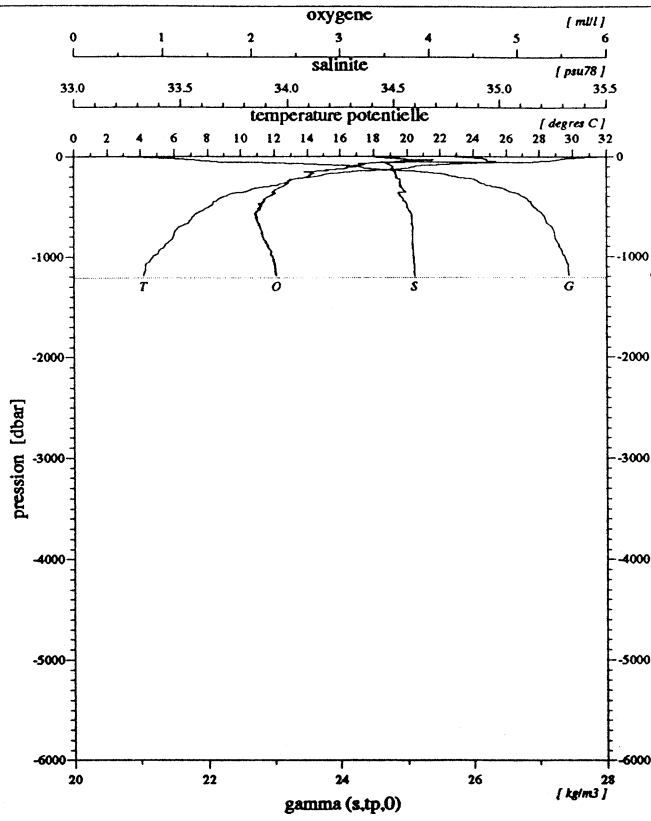


Diagramme salinite / oxygene

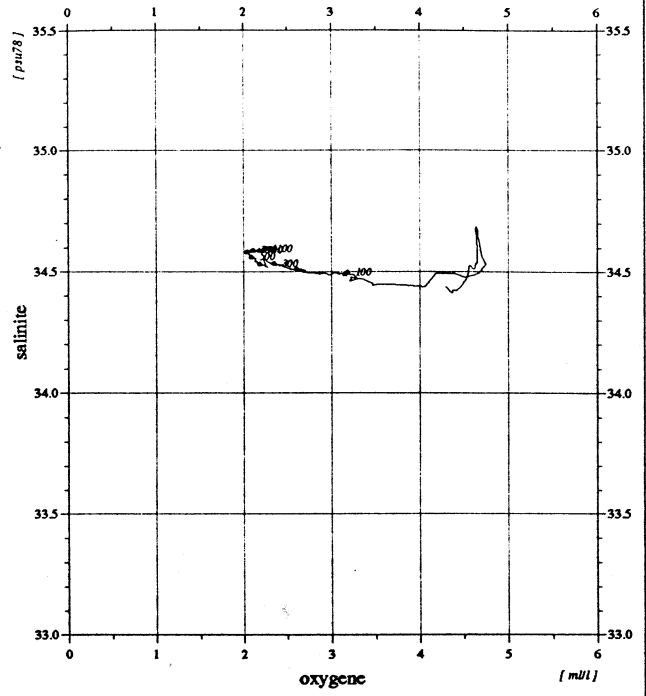


Diagramme temperature potentielle / salinite

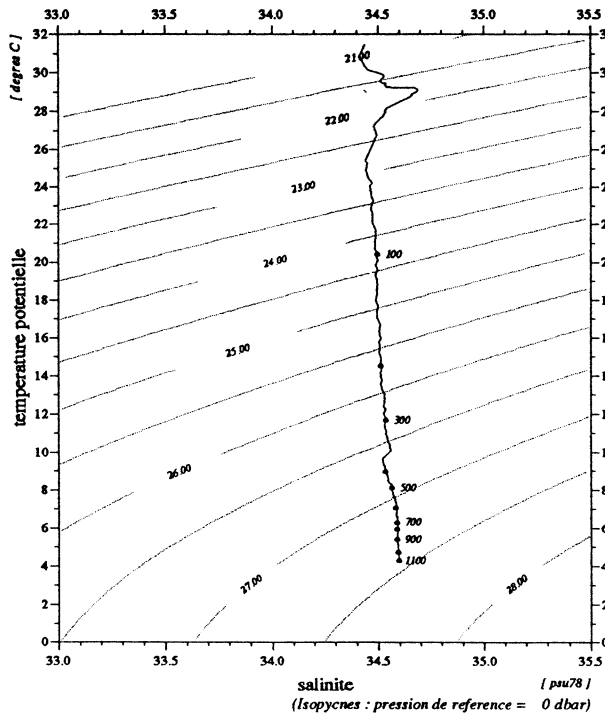
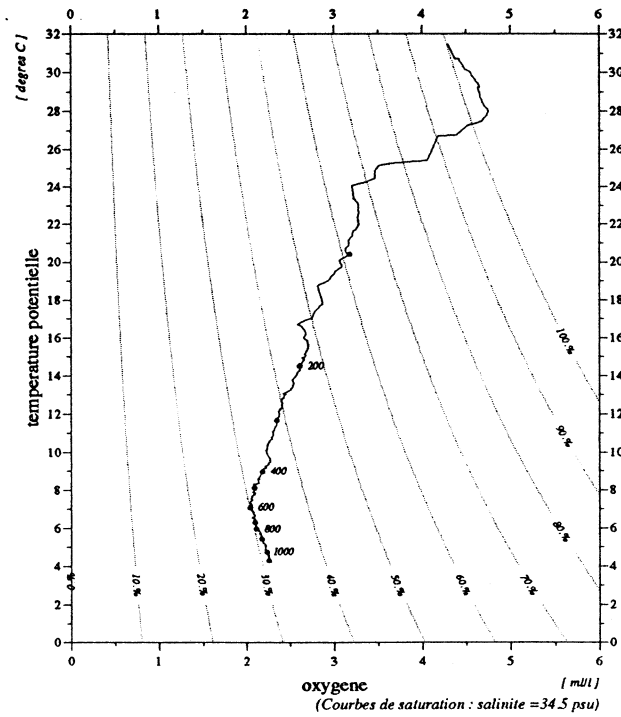


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1193.
temperature	31.458	4.287
theta	31.457	4.192
salinite	34.438	34.597
gamma (s,tp,0)	20.803	27.446
oxygene	4.30	2.28

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1202 m ( 1212 dbar)	
15- 3-1992	10.37' 9 S
6.44 tu	122.10' 1 E

MD71/JADE2

Station 41.50

94/01/24  
13:46:10

STATION-4210

1

JADE 92

station : 42.10

donnees reduites a 10 dbar

le 14/ 3/1992 a 13.22 tu -10.3476 122.0467 sonde: 602 m ( 606.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	30.413	30.412	34.478	21.197	21.194	37.223	181.2	4.14	95.3	658.5	0.000	1546.0	0.00	
10.	9.9	30.010	30.008	34.473	21.331	21.328	37.374	184.8	4.23	96.6	646.0	0.052	1545.3	8.32	
20.	19.9	29.587	29.582	34.632	21.595	21.591	37.653	195.1	4.46	101.4	621.2	0.116	1544.7	7.48	
30.	29.8	29.002	28.994	34.644	21.801	21.796	37.885	196.0	4.49	100.9	601.9	0.177	1543.6	9.29	
40.	39.8	28.033	28.023	34.574	22.069	22.064	38.198	200.2	4.58	101.5	576.7	0.235	1541.6	4.92	
50.	49.7	25.854	25.843	34.451	22.670	22.665	38.904	190.0	4.35	92.8	519.5	0.290	1536.7	5.39	
60.	59.7	24.290	24.277	34.464	23.155	23.149	39.467	152.6	3.50	72.6	473.5	0.340	1533.1	11.43	
70.	69.6	22.949	22.935	34.465	23.548	23.542	39.931	142.8	3.27	66.4	436.3	0.385	1529.9	13.62	
80.	79.5	21.857	21.841	34.482	23.870	23.864	40.313	140.5	3.22	64.2	405.8	0.427	1527.3	7.74	
90.	89.5	21.644	21.626	34.488	23.934	23.928	40.389	139.1	3.19	63.3	400.1	0.467	1526.9	4.59	
100.	99.4	20.768	20.749	34.495	24.179	24.172	40.683	137.5	3.15	61.6	377.1	0.506	1524.7	3.45	
110.	109.3	19.759	19.739	34.481	24.436	24.429	41.000	135.1	3.10	59.4	352.9	0.543	1522.1	10.25	
120.	119.3	18.374	18.354	34.484	24.790	24.784	41.439	124.4	2.86	53.3	319.2	0.577	1518.3	10.29	
130.	129.2	17.355	17.333	34.492	25.046	25.040	41.759	121.6	2.79	51.2	295.1	0.608	1515.5	9.87	
140.	139.2	17.106	17.083	34.501	25.113	25.106	41.843	120.4	2.76	50.4	289.0	0.637	1514.9	2.55	
150.	149.1	16.568	16.544	34.505	25.242	25.236	42.007	119.1	2.73	49.3	276.9	0.665	1513.4	0.62	
160.	159.0	16.027	16.002	34.508	25.370	25.363	42.171	115.9	2.66	47.6	265.0	0.692	1512.0	5.64	
170.	169.0	14.984	14.958	34.509	25.603	25.597	42.476	111.9	2.57	45.0	242.8	0.718	1508.9	8.86	
180.	178.9	14.689	14.662	34.521	25.677	25.670	42.570	109.4	2.51	43.7	236.1	0.741	1508.1	2.63	
190.	188.8	14.184	14.157	34.524	25.787	25.780	42.716	106.8	2.45	42.3	225.7	0.765	1506.7	6.00	
200.	198.8	13.729	13.700	34.524	25.882	25.876	42.844	105.5	2.42	41.4	216.8	0.787	1505.3	6.49	
220.	218.6	13.284	13.253	34.529	25.978	25.971	42.972	105.2	2.42	40.9	208.2	0.829	1504.2	1.07	
240.	238.5	13.006	12.973	34.526	26.031	26.024	43.047	104.3	2.40	40.3	203.5	0.870	1503.6	3.22	
260.	258.4	11.696	11.662	34.532	26.290	26.283	43.405	102.4	2.35	38.5	178.9	0.908	1499.5	2.70	
280.	278.2	11.496	11.460	34.531	26.327	26.320	43.458	101.6	2.33	38.0	175.8	0.944	1499.2	4.99	
300.	298.1	10.709	10.673	34.532	26.470	26.463	43.663	100.0	2.30	36.8	162.3	0.978	1496.7	3.96	
320.	317.9	9.775	9.739	34.546	26.642	26.635	43.910	97.2	2.23	35.1	145.9	1.009	1493.7	5.67	
340.	337.8	9.469	9.430	34.555	26.700	26.693	43.994	96.5	2.22	34.6	140.6	1.037	1493.0	1.24	
360.	357.6	9.411	9.370	34.555	26.710	26.703	44.009	96.4	2.22	34.5	140.1	1.065	1493.1	1.86	
380.	377.5	9.241	9.199	34.576	26.754	26.747	44.068	97.0	2.23	34.6	136.2	1.093	1492.8	1.07	
400.	397.3	9.109	9.065	34.577	26.777	26.770	44.101	97.0	2.23	34.5	134.3	1.120	1492.7	0.00	
420.	417.2	8.869	8.823	34.567	26.807	26.800	44.152	95.1	2.19	33.6	131.7	1.146	1492.1	3.03	
440.	437.0	8.692	8.645	34.567	26.835	26.827	44.195	93.4	2.15	32.9	129.3	1.172	1491.8	1.75	
460.	456.9	8.604	8.555	34.562	26.846	26.838	44.214	92.4	2.12	32.5	128.6	1.198	1491.8	0.62	
480.	476.7	8.346	8.296	34.559	26.883	26.875	44.274	91.0	2.09	31.8	125.2	1.224	1491.1	2.14	
500.	496.6	8.223	8.171	34.563	26.906	26.897	44.307	90.7	2.09	31.6	123.3	1.248	1491.0	0.87	
fin	543.	539.2	7.718	7.663	34.573	26.989	26.980	44.434	90.3	2.08	31.1	115.7	1.300	1489.8	2.23

Vitesse verticale moyenne du son entre 2. et 543. dbar : 1505.8 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

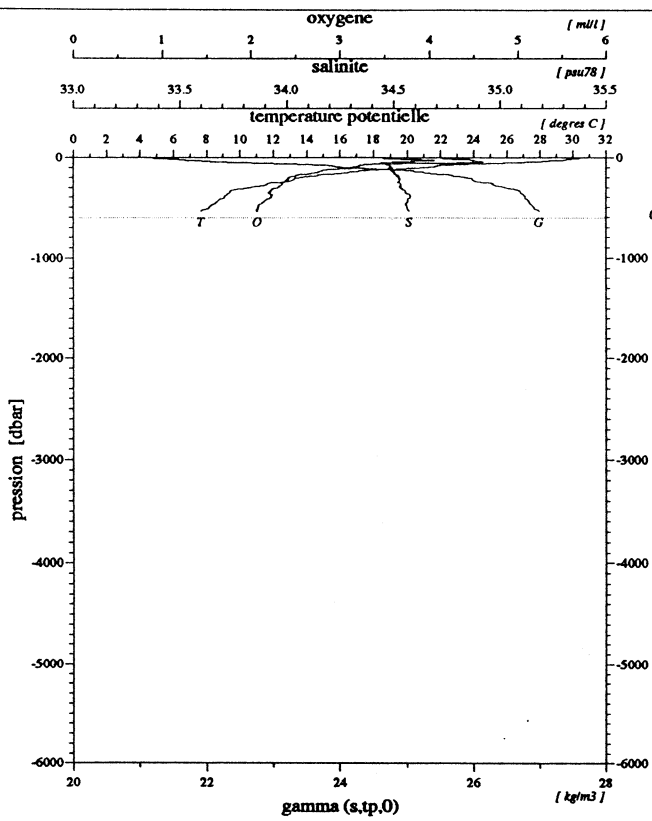


Diagramme salinite / oxygene

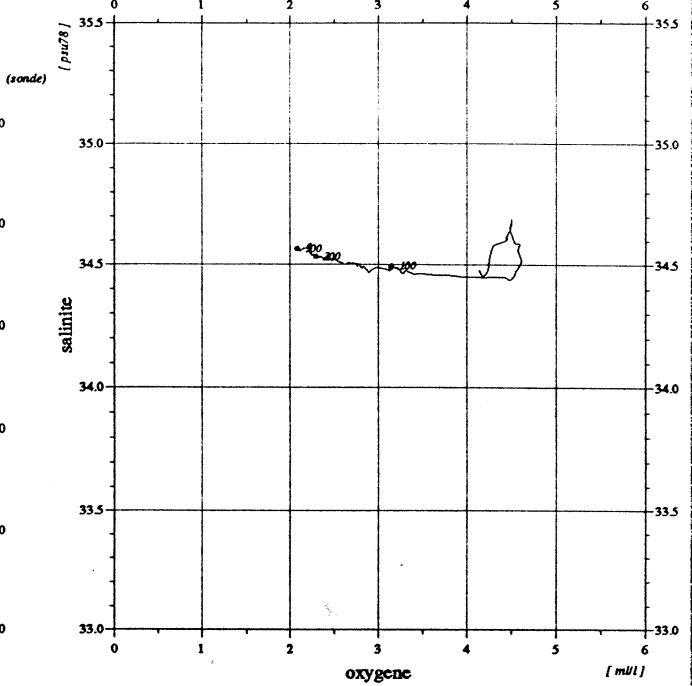


Diagramme temperature potentielle / salinite

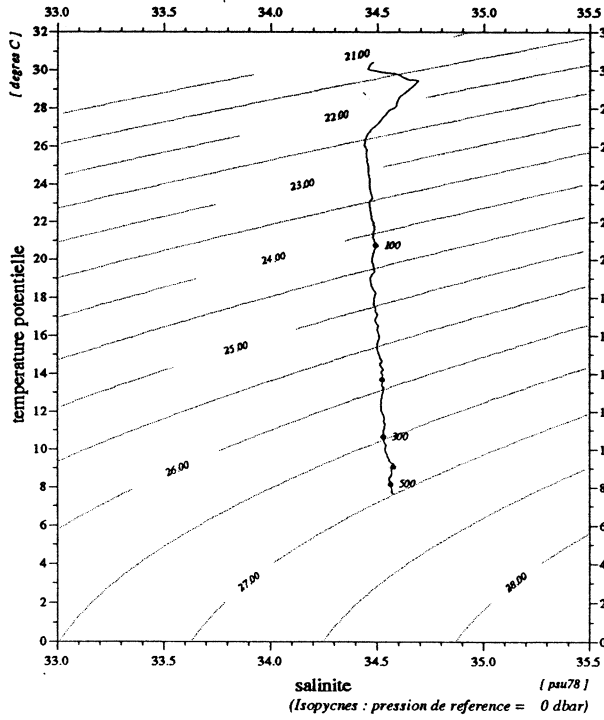
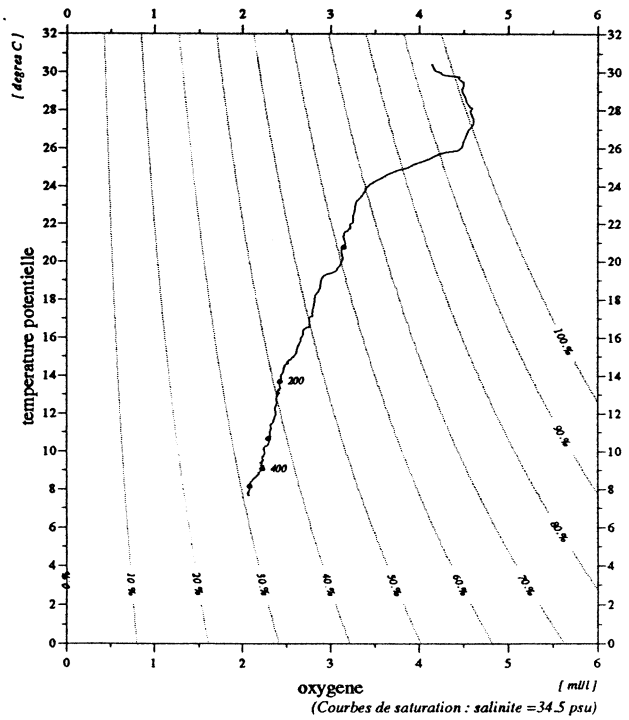


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	543.
temperature	30.413	7.718
theta	30.412	7.663
salinite	34.478	34.573
gamma (s,tp,0)	21.197	26.989
oxygene	4.14	2.08

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 602 m ( 606 dbar)	
14- 3-1992	10.34' 7 S
13.22 tu	122. 4' 6 E

MD71/JADE2

Station 42.10

94/01/24  
13:46:37

STATION-4310

1

JADE 92

station : 43.10

donnees reduites a 10 dbar

le 15/ 3/1992 a 18.52 tu -10.0964 121.0425 sonde: 483 m ( 486.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/Kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	29.854	29.854	34.623	21.496	21.494	37.543	194.6	4.45	101.6	629.8	0.000	1545.0	0.00
10.	9.9	29.857	29.855	34.619	21.492	21.489	37.539	195.6	4.47	102.1	630.5	0.044	1545.1	2.40
20.	19.9	29.263	29.259	34.611	21.688	21.684	37.761	204.0	4.67	105.5	612.3	0.107	1544.0	9.22
30.	29.8	29.096	29.089	34.611	21.745	21.740	37.825	208.5	4.77	107.5	607.2	0.168	1543.8	5.44
39.	38.8	28.370	28.361	34.583	21.965	21.960	38.078	182.4	4.17	92.9	586.5	0.221	1542.4	3.80
50.	49.7	24.861	24.850	34.454	22.976	22.971	39.259	164.6	3.77	79.1	490.2	0.278	1534.3	9.35
60.	59.7	24.182	24.170	34.465	23.188	23.182	39.506	156.4	3.58	74.3	470.3	0.326	1532.8	3.56
70.	69.6	22.991	22.977	34.465	23.536	23.531	39.917	138.2	3.17	64.3	437.4	0.371	1530.0	12.31
80.	79.5	21.785	21.770	34.472	23.882	23.876	40.329	134.2	3.08	61.2	404.7	0.413	1527.1	6.73
90.	89.5	21.360	21.343	34.476	24.003	23.997	40.474	133.5	3.06	60.4	393.5	0.453	1526.1	7.14
100.	99.4	20.218	20.199	34.479	24.313	24.307	40.849	128.5	2.95	57.0	364.3	0.492	1523.2	12.42
110.	109.3	19.511	19.491	34.485	24.503	24.497	41.082	126.8	2.91	55.5	346.4	0.527	1521.4	10.64
120.	119.3	18.650	18.629	34.498	24.732	24.725	41.363	125.0	2.87	53.9	324.8	0.561	1519.1	9.04
130.	129.2	17.962	17.940	34.507	24.911	24.904	41.585	124.1	2.85	52.8	308.1	0.593	1517.3	3.61
140.	139.2	17.619	17.596	34.502	24.991	24.984	41.687	114.8	2.63	48.5	300.7	0.623	1516.4	11.43
150.	149.1	16.968	16.943	34.510	25.153	25.146	41.891	116.7	2.68	48.7	285.5	0.652	1514.7	6.75
160.	159.0	16.034	16.009	34.511	25.370	25.364	42.171	110.5	2.54	45.3	264.9	0.680	1512.0	7.35
170.	169.0	15.412	15.386	34.515	25.513	25.507	42.356	119.6	2.75	48.5	251.5	0.705	1510.2	2.14
180.	178.9	15.203	15.175	34.509	25.556	25.549	42.413	119.3	2.74	48.2	247.7	0.730	1509.7	4.87
190.	188.8	14.669	14.641	34.508	25.671	25.664	42.566	113.7	2.61	45.4	236.9	0.755	1508.2	7.14
200.	198.8	14.318	14.289	34.512	25.750	25.743	42.670	113.5	2.61	45.0	229.6	0.778	1507.2	4.01
220.	218.6	13.306	13.275	34.507	25.956	25.949	42.950	113.0	2.60	43.9	210.2	0.821	1504.3	5.87
240.	238.5	12.354	12.322	34.513	26.149	26.143	43.214	107.7	2.47	41.0	192.0	0.862	1501.4	4.95
260.	258.4	11.902	11.868	34.510	26.234	26.227	43.333	107.8	2.48	40.7	184.3	0.899	1500.2	3.45
280.	278.2	11.158	11.124	34.501	26.365	26.358	43.523	106.0	2.43	39.4	172.0	0.935	1497.9	6.09
300.	298.1	10.554	10.519	34.513	26.483	26.476	43.689	103.0	2.37	37.8	161.0	0.968	1496.2	3.44
320.	317.9	10.179	10.142	34.519	26.552	26.546	43.789	101.7	2.34	37.0	154.6	1.000	1495.2	5.67
340.	337.8	9.644	9.605	34.548	26.666	26.659	43.945	96.5	2.22	34.7	144.0	1.029	1493.6	2.23
360.	357.7	9.478	9.437	34.549	26.695	26.688	43.988	93.8	2.16	33.6	141.6	1.058	1493.3	3.81
380.	377.5	9.262	9.220	34.559	26.738	26.730	44.049	93.0	2.14	33.2	137.8	1.086	1492.9	1.07
400.	397.4	9.067	9.023	34.562	26.772	26.765	44.100	93.4	2.15	33.2	134.8	1.113	1492.5	3.39
420.	417.2	8.620	8.575	34.572	26.851	26.843	44.217	91.7	2.11	32.3	127.4	1.139	1491.2	0.62
440.	437.0	8.520	8.473	34.574	26.868	26.860	44.243	91.2	2.10	32.0	126.1	1.165	1491.1	2.55
455.	451.9	8.447	8.399	34.575	26.880	26.872	44.261	92.5	2.13	32.4	125.1	1.184	1491.1	3.86

fin

Vitesse verticale moyenne du son entre 3. et 455. dbar : 1508.6 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

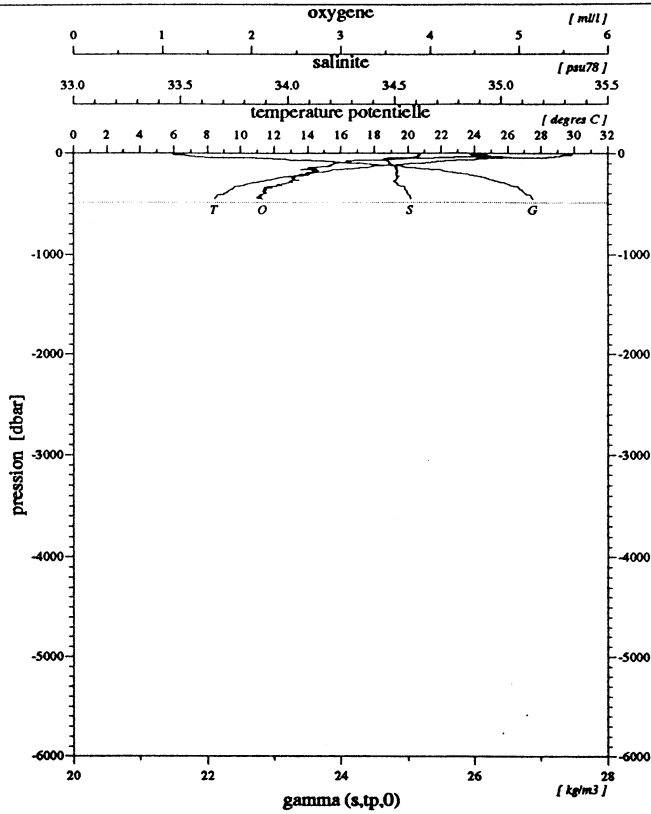


Diagramme salinite / oxygene

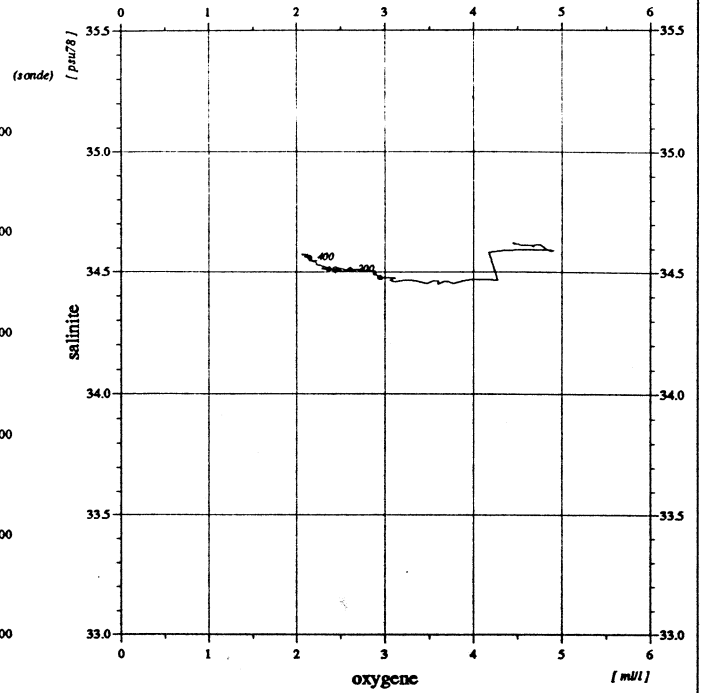


Diagramme temperature potentielle / salinite

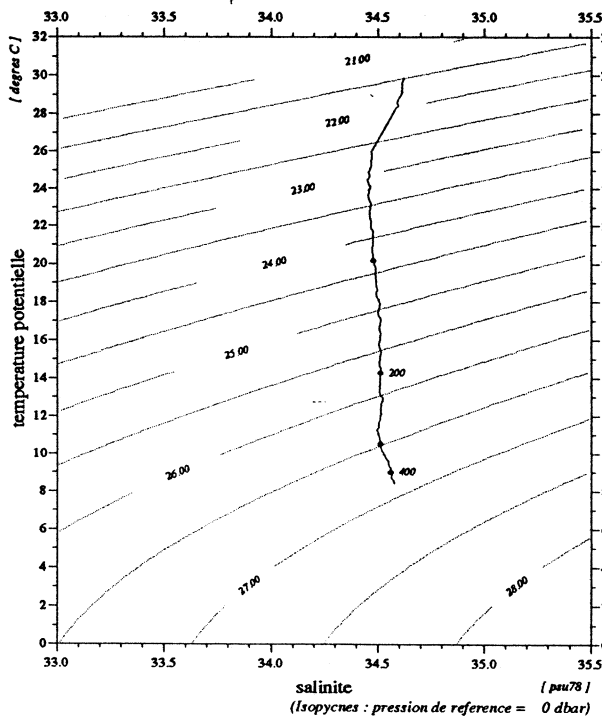
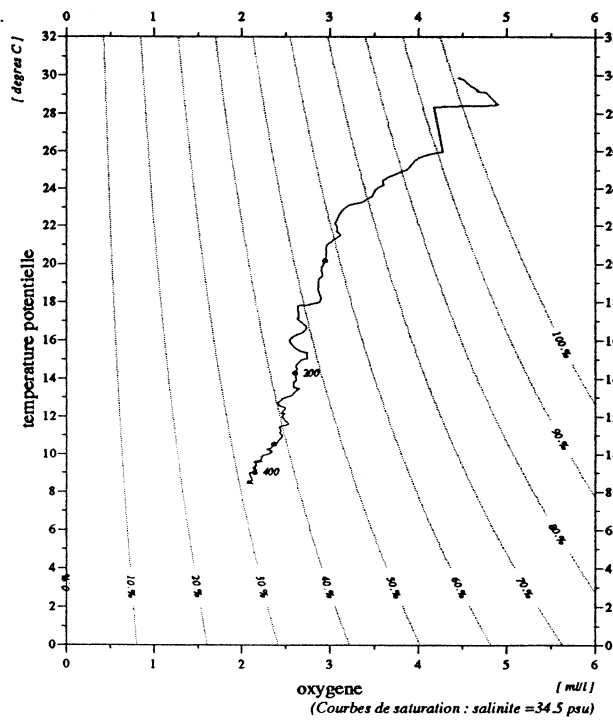


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3	455
temperature	29.854	8.447
theta	29.854	8.399
salinite	34.623	34.575
gamma (s, tp, 0)	21.496	26.880
oxygene	4.45	2.13

Niveaux reduits a 1 dbar  
Bathysonde : NEH-BROWN type Mark III no 01-1116  
01/02/94

sonde 483 m ( 486 dbar)

15- 3-1992 10. 9' 6 S  
18.52 tu 121. 4' 2 E

MD71/JADE2

Station 43.10

94/01/24  
13:46:39

STATION-4410

1

JADE 92

station : 44.10

donnees reduites a 10 dbar

le 15/ 3/1992 a 20.32 tu -10.1199 121.0942 sonde: 795 m ( 801.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	29.944	29.943	34.701	21.523	21.521	37.565	196.1	4.49	102.5	627.2	0.000	1545.2	0.00
10.	9.9	29.851	29.848	34.669	21.532	21.529	37.578	197.8	4.52	103.2	626.7	0.044	1545.1	5.08
20.	19.9	29.470	29.465	34.624	21.628	21.624	37.692	205.5	4.70	106.6	618.0	0.106	1544.4	5.28
30.	29.8	29.021	29.014	34.629	21.783	21.778	37.866	207.1	4.74	106.7	603.6	0.167	1543.7	8.54
41.	40.8	27.576	27.566	34.522	22.178	22.173	38.329	200.5	4.59	100.8	566.2	0.232	1540.6	19.17
50.	49.7	25.459	25.448	34.463	22.801	22.796	39.054	174.3	3.99	84.6	507.0	0.281	1535.8	11.89
60.	59.7	24.564	24.551	34.456	23.068	23.062	39.366	159.4	3.65	76.2	481.9	0.330	1533.8	9.12
70.	69.6	22.323	22.309	34.471	23.731	23.726	40.148	129.7	2.97	59.7	418.8	0.376	1528.3	20.75
80.	79.5	21.321	21.306	34.479	24.016	24.010	40.488	134.3	3.08	60.8	391.9	0.417	1525.8	1.86
90.	89.5	20.701	20.684	34.482	24.186	24.180	40.694	130.3	2.99	58.3	376.0	0.455	1524.3	5.18
100.	99.4	20.354	20.336	34.488	24.284	24.277	40.812	128.9	2.96	57.3	367.0	0.492	1523.5	2.97
110.	109.3	19.152	19.132	34.487	24.597	24.591	41.197	127.5	2.92	55.5	337.4	0.528	1520.4	8.45
120.	119.3	17.720	17.700	34.502	24.965	24.959	41.655	125.8	2.89	53.3	302.5	0.559	1516.4	7.86
130.	129.2	17.186	17.164	34.504	25.095	25.089	41.819	121.3	2.78	50.9	290.3	0.589	1515.0	6.40
140.	139.2	16.516	16.494	34.509	25.257	25.251	42.025	111.7	2.56	46.2	275.1	0.617	1513.1	7.63
150.	149.1	15.264	15.241	34.509	25.541	25.535	42.394	121.3	2.79	49.0	248.1	0.643	1509.4	5.25
160.	159.0	15.070	15.046	34.514	25.588	25.582	42.454	112.3	2.58	45.2	244.0	0.668	1509.0	2.48
170.	169.0	14.981	14.955	34.515	25.609	25.602	42.481	113.8	2.61	45.7	242.3	0.692	1508.9	3.09
180.	178.9	14.458	14.432	34.510	25.718	25.712	42.628	116.6	2.68	46.4	232.1	0.716	1507.4	7.35
190.	188.8	14.291	14.263	34.512	25.755	25.749	42.677	116.1	2.67	46.0	228.8	0.739	1507.0	4.24
200.	198.8	14.062	14.034	34.511	25.803	25.796	42.741	120.3	2.76	47.5	224.5	0.762	1506.4	4.87
220.	218.6	12.907	12.877	34.503	26.033	26.026	43.056	116.1	2.67	44.7	202.8	0.804	1502.9	4.51
240.	238.5	12.425	12.393	34.524	26.144	26.137	43.203	106.2	2.44	40.5	192.6	0.844	1501.7	4.20
260.	258.4	11.689	11.656	34.508	26.272	26.265	43.388	112.6	2.59	42.3	180.6	0.881	1499.5	2.32
280.	278.2	11.280	11.245	34.509	26.349	26.343	43.498	105.0	2.41	39.1	173.6	0.916	1498.4	2.77
300.	298.1	10.732	10.696	34.507	26.447	26.440	43.639	104.6	2.40	38.5	164.5	0.950	1496.8	4.75
320.	317.9	10.241	10.203	34.510	26.535	26.528	43.766	102.4	2.35	37.3	156.4	0.982	1495.4	1.52
340.	337.8	9.579	9.540	34.538	26.669	26.662	43.954	97.5	2.24	35.0	143.7	1.012	1493.3	3.76
360.	357.7	9.557	9.517	34.549	26.682	26.674	43.969	95.3	2.19	34.2	142.9	1.041	1493.6	1.64
380.	377.5	9.168	9.126	34.559	26.753	26.746	44.073	94.9	2.18	33.8	136.2	1.069	1492.5	1.96
400.	397.4	8.797	8.754	34.568	26.819	26.812	44.170	93.4	2.15	33.0	130.1	1.096	1491.5	2.23
420.	417.2	8.651	8.607	34.571	26.845	26.838	44.208	93.1	2.14	32.8	127.9	1.121	1491.3	2.05
440.	437.0	8.569	8.522	34.574	26.860	26.852	44.230	90.7	2.09	31.9	126.9	1.147	1491.3	1.24
460.	456.9	8.495	8.446	34.576	26.874	26.866	44.250	91.6	2.11	32.2	125.9	1.172	1491.4	0.87
480.	476.7	8.189	8.139	34.582	26.925	26.917	44.329	89.2	2.05	31.1	121.1	1.197	1490.6	3.81
500.	496.6	7.907	7.856	34.586	26.970	26.962	44.398	89.6	2.06	31.0	116.9	1.221	1489.8	3.44
550.	546.2	7.237	7.184	34.587	27.068	27.061	44.556	89.8	2.07	30.6	107.7	1.277	1488.1	2.31
600.	595.7	6.875	6.818	34.588	27.119	27.111	44.640	90.1	2.07	30.5	103.3	1.330	1487.5	1.75
650.	645.3	6.630	6.569	34.588	27.153	27.145	44.697	90.3	2.08	30.4	100.5	1.382	1487.4	2.14
700.	694.9	6.498	6.433	34.590	27.172	27.164	44.729	90.7	2.09	30.4	99.3	1.431	1487.7	0.00
750.	744.4	6.422	6.353	34.589	27.183	27.173	44.746	91.7	2.11	30.7	99.0	1.481	1488.2	1.07
fin	768.	762.2	6.359	6.289	34.590	27.191	27.182	44.761	91.7	2.11	98.3	1.499	1488.3	1.07

Vitesse verticale moyenne du son entre 3. et 768. dbar : 1500.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

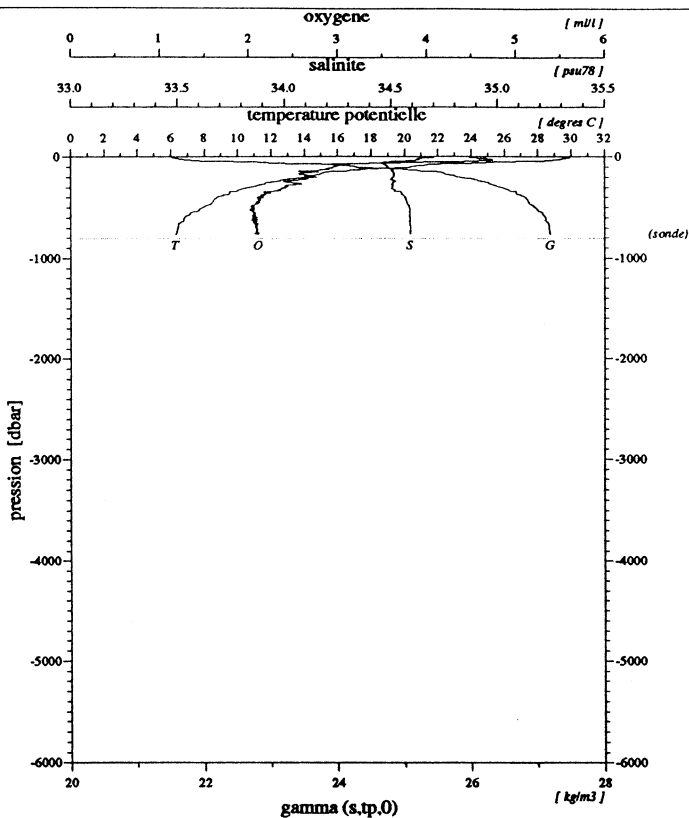


Diagramme salinite / oxygene

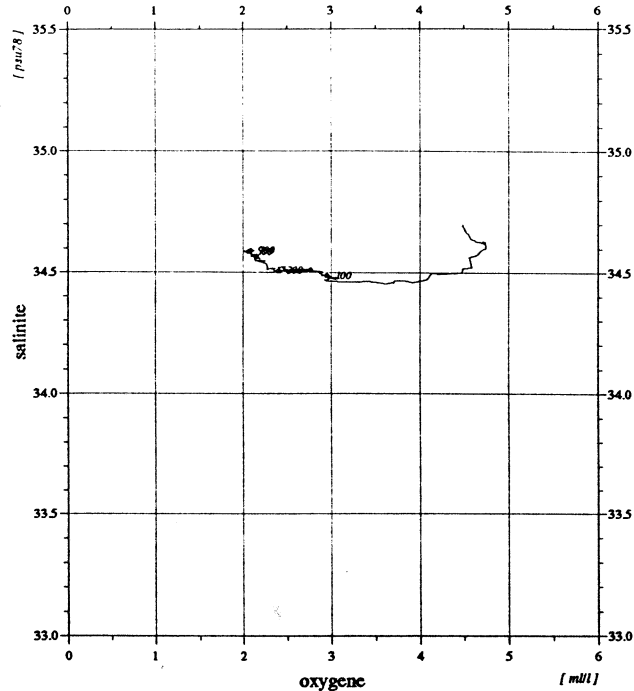


Diagramme temperature potentielle / salinite

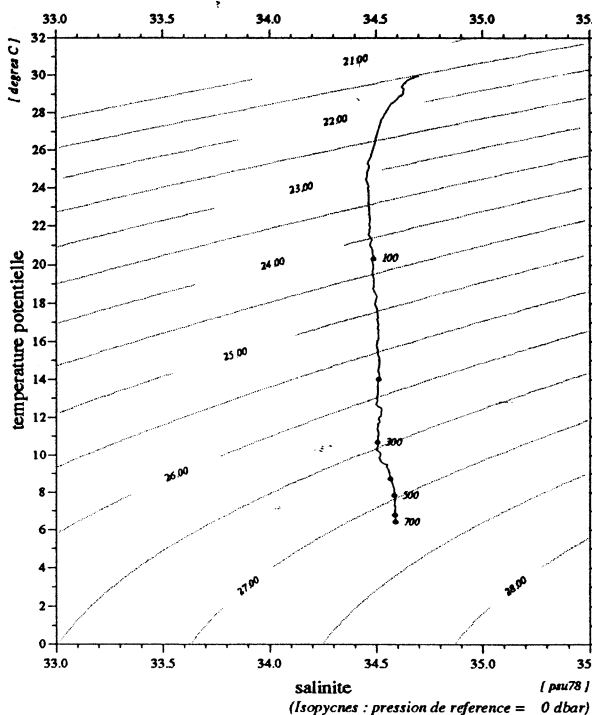
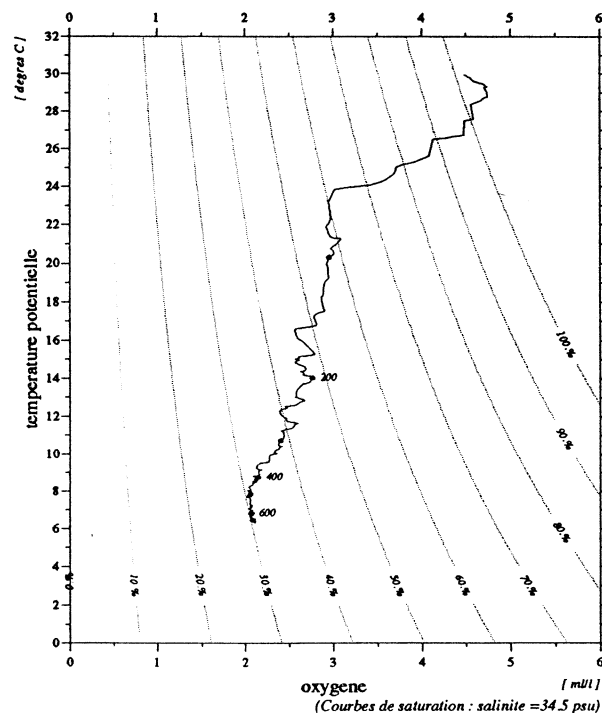


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	768.
temperature	29.944	6.359
theta	29.943	6.288
salinite	34.701	34.590
gamma (s,tp,0)	21.523	27.191
oxygene	4.49	2.11

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 795 m ( 801 dbar)	
15- 3-1992	10.11' 9 S
20.32 tu	121. 9' 4 E

MD71/JADE2

Station 44.10

94/01/24  
13:46:43

STATION-4420

1

JADE 92

station : 44.20

donnees reduites a 10 dbar

le 15/ 3/1992 a 21.59 tu -10.1207 121.0941 sonde: 795 m ( 801.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.912	29.911	34.715	21.545	21.543	37.588	196.6	4.50	102.8	625.1	0.000	1545.2	0.00
10.	9.9	29.824	29.822	34.695	21.560	21.557	37.607	192.6	4.41	100.5	624.0	0.050	1545.1	6.59
20.	19.9	29.196	29.191	34.618	21.716	21.712	37.792	200.6	4.59	103.6	609.6	0.112	1543.9	5.95
30.	29.8	28.397	28.390	34.560	21.938	21.934	38.050	203.7	4.66	103.8	588.7	0.172	1542.2	10.00
40.	39.8	26.786	26.777	34.509	22.421	22.416	38.609	192.2	4.40	95.4	542.9	0.228	1538.8	7.55
50.	49.7	25.744	25.733	34.470	22.718	22.712	38.957	190.0	4.35	92.7	514.9	0.282	1536.5	19.14
60.	59.7	24.647	24.635	34.456	23.042	23.037	39.336	158.9	3.64	76.1	484.3	0.332	1534.0	10.56
70.	69.6	23.818	23.803	34.465	23.296	23.290	39.633	150.6	3.45	71.1	460.4	0.379	1532.1	6.98
80.	79.5	22.016	22.001	34.475	23.821	23.815	40.254	135.4	3.10	62.0	410.6	0.423	1527.7	8.89
90.	89.5	21.390	21.373	34.479	23.997	23.991	40.466	136.0	3.12	61.6	394.1	0.463	1526.2	8.19
100.	99.4	20.862	20.843	34.482	24.143	24.137	40.642	131.7	3.02	59.1	380.5	0.502	1524.9	8.10
110.	109.3	20.472	20.451	34.487	24.252	24.245	40.774	129.7	2.97	57.8	370.4	0.539	1524.0	6.32
120.	119.3	19.862	19.840	34.484	24.411	24.404	40.969	127.5	2.92	56.2	355.6	0.576	1522.5	11.64
130.	129.2	18.202	18.180	34.504	24.849	24.842	41.508	126.7	2.91	54.2	314.0	0.609	1518.0	9.67
140.	139.2	17.370	17.347	34.508	25.055	25.048	41.767	126.7	2.91	53.3	294.5	0.639	1515.7	5.18
150.	149.1	16.540	16.516	34.510	25.253	25.246	42.019	116.6	2.68	48.3	275.9	0.667	1513.4	4.01
160.	159.0	15.379	15.355	34.504	25.512	25.506	42.357	120.8	2.78	48.9	251.3	0.694	1509.9	6.98
170.	169.0	14.939	14.914	34.512	25.616	25.609	42.491	114.9	2.64	46.1	241.6	0.718	1508.7	4.55
180.	178.9	14.467	14.441	34.511	25.717	25.710	42.626	119.6	2.75	47.6	232.2	0.742	1507.4	6.92
190.	188.8	14.312	14.284	34.513	25.752	25.745	42.672	116.5	2.67	46.2	229.1	0.765	1507.1	1.07
200.	198.8	14.212	14.183	34.514	25.773	25.766	42.701	119.2	2.74	47.2	227.3	0.788	1506.9	3.03
220.	218.6	13.584	13.553	34.509	25.901	25.894	42.874	116.8	2.68	45.6	215.6	0.832	1505.2	2.63
240.	238.5	12.399	12.367	34.521	26.147	26.141	43.208	107.1	2.46	40.9	192.3	0.873	1501.6	4.29
260.	258.4	11.682	11.648	34.509	26.274	26.268	43.391	113.2	2.60	42.5	180.4	0.909	1499.4	2.32
280.	278.2	11.216	11.181	34.509	26.361	26.354	43.514	108.3	2.49	40.3	172.5	0.945	1498.2	3.45
300.	298.1	10.365	10.330	34.501	26.506	26.499	43.727	106.0	2.44	38.7	158.7	0.978	1495.5	3.55
320.	317.9	9.631	9.595	34.533	26.656	26.650	43.937	101.0	2.32	36.3	144.5	1.009	1493.2	10.91
340.	337.8	9.540	9.502	34.549	26.684	26.677	43.973	97.0	2.23	34.9	142.2	1.037	1493.2	0.00
360.	357.7	9.415	9.374	34.553	26.708	26.701	44.007	94.3	2.17	33.8	140.3	1.066	1493.1	4.15
380.	377.5	9.142	9.101	34.561	26.759	26.752	44.081	92.1	2.12	32.8	135.7	1.093	1492.4	2.83
400.	397.4	8.797	8.754	34.556	26.810	26.802	44.161	91.6	2.11	32.3	131.0	1.120	1491.5	3.71
420.	417.2	8.660	8.615	34.564	26.838	26.831	44.201	90.3	2.08	31.8	128.6	1.146	1491.3	1.52
440.	437.0	8.605	8.558	34.568	26.850	26.842	44.217	90.6	2.08	31.9	127.8	1.171	1491.4	1.07
460.	456.9	8.576	8.527	34.568	26.855	26.847	44.225	89.6	2.06	31.5	127.7	1.197	1491.7	0.00
480.	476.7	8.503	8.453	34.571	26.869	26.861	44.246	89.3	2.05	31.3	126.7	1.222	1491.7	0.87
500.	496.6	8.221	8.169	34.576	26.916	26.908	44.317	88.8	2.04	31.0	122.4	1.247	1491.0	3.66
550.	546.2	7.858	7.802	34.583	26.976	26.967	44.409	88.1	2.03	30.5	117.2	1.307	1490.5	2.05
600.	595.7	7.207	7.149	34.584	27.070	27.062	44.562	88.9	2.04	30.3	108.4	1.364	1488.8	0.87
650.	645.3	6.837	6.776	34.584	27.122	27.114	44.647	89.4	2.06	30.2	103.8	1.417	1488.2	0.00
700.	694.9	6.515	6.450	34.585	27.166	27.157	44.721	90.3	2.08	30.3	99.9	1.468	1487.8	1.24
750.	744.4	6.329	6.260	34.584	27.191	27.182	44.763	91.4	2.10	30.5	98.0	1.517	1487.9	1.52
fin 770.	764.2	6.218	6.148	34.584	27.205	27.196	44.788	91.9	2.11	30.6	96.8	1.537	1487.8	0.87

Vitesse verticale moyenne du son entre 2. et 770. dbar : 1500.7 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

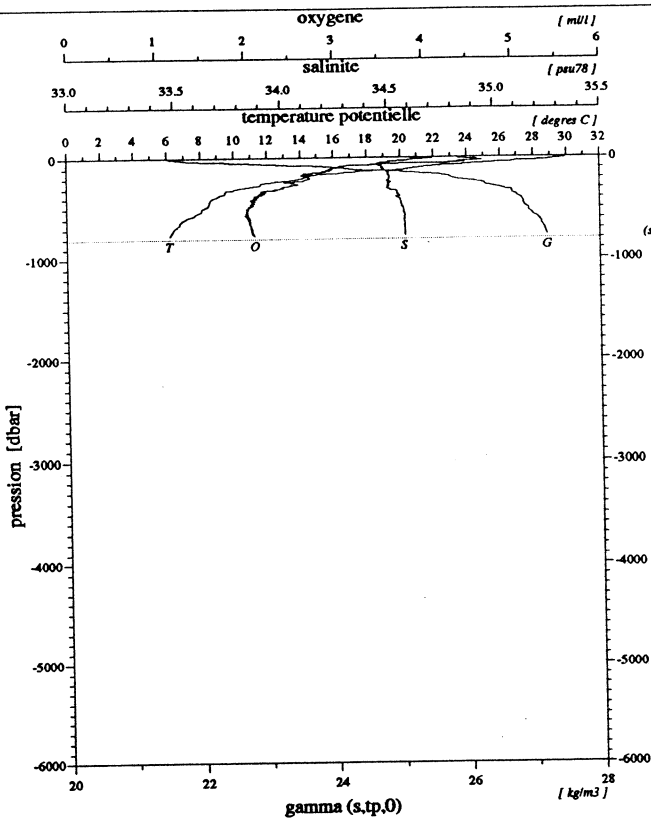


Diagramme salinite / oxygene

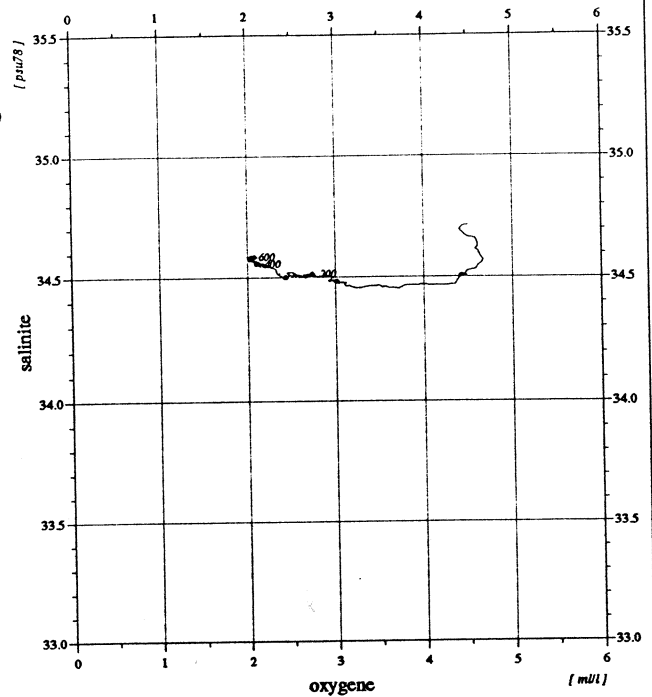


Diagramme temperature potentielle / salinite

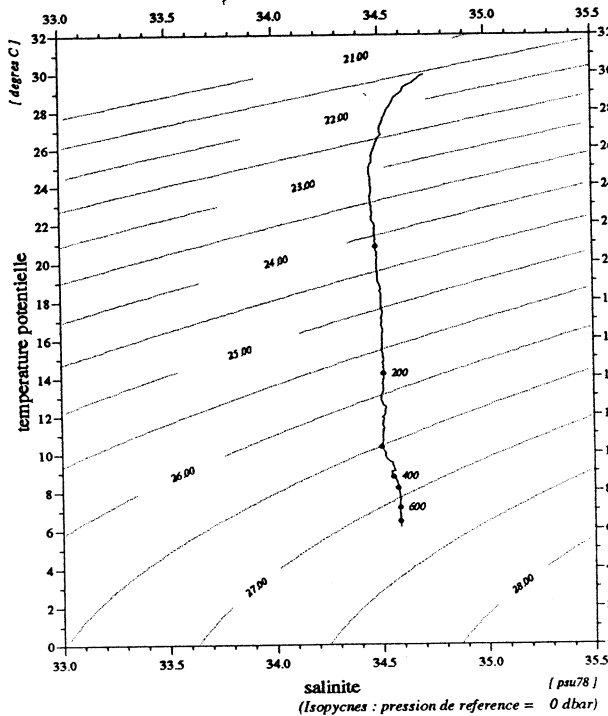
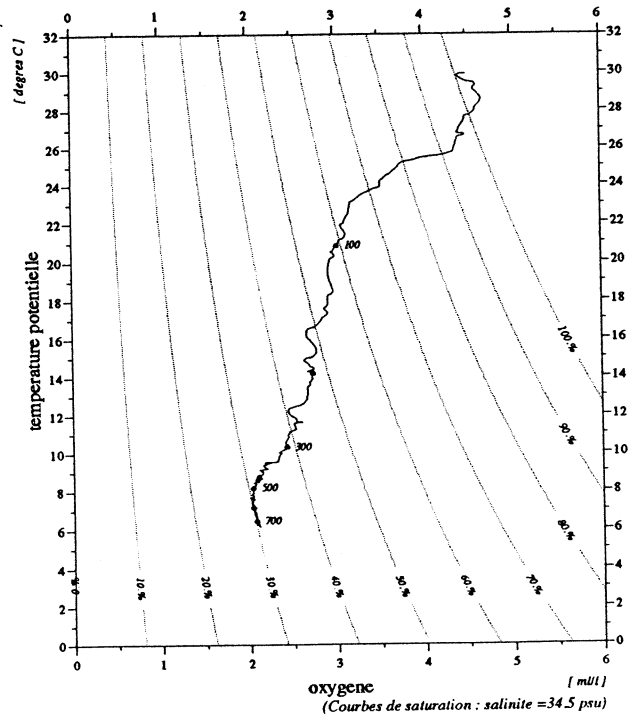


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	770.
temperature	29.912	6.218
theta	29.911	6.148
salinite	34.715	34.584
gamma (s.tp,0)	21.545	27.205
oxygene	4.50	2.11

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 795 m ( 801 dbar)	
15- 3-1992	10.12' 0 S
21.59 tu	121. 9' 4 E

MD71/JADE2

Station 44.20

94/01/24  
13:47:05

STATION-4430

1

JADE 92

station : 44.30

donnees reduites a 10 dbar

le 16/ 3/1992 a 15.34 tu -10.1214 121.0929 sonde: 795 m ( 801.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son) (cph)	bva (cph)	
2.	2.0	30.537	30.536	34.641	21.276	21.273	37.294	193.3	4.42	102.0	650.9	0.000	1546.4	0.00	
10.	9.9	30.083	30.081	34.637	21.429	21.425	37.466	197.9	4.53	103.6	636.6	0.052	1545.6	5.80	
20.	19.9	27.565	27.560	34.576	22.221	22.218	38.371	200.9	4.60	101.1	561.1	0.112	1540.3	8.82	
30.	29.8	27.081	27.074	34.542	22.351	22.347	38.524	208.2	4.77	103.9	549.2	0.167	1539.3	9.53	
40.	39.8	26.027	26.018	34.493	22.647	22.643	38.872	187.4	4.29	91.9	521.2	0.221	1537.0	4.04	
50.	49.7	24.673	24.662	34.450	23.029	23.024	39.322	153.3	3.51	73.4	485.1	0.271	1533.9	11.70	
60.	59.7	24.043	24.030	34.461	23.226	23.221	39.551	154.0	3.53	73.0	466.6	0.319	1532.5	4.96	
70.	69.6	23.135	23.120	34.453	23.485	23.480	39.859	139.4	3.19	65.1	442.3	0.364	1530.4	13.72	
80.	79.5	21.170	21.154	34.474	24.053	24.047	40.534	132.8	3.05	59.9	388.4	0.405	1525.4	8.40	
90.	89.5	20.612	20.595	34.482	24.210	24.204	40.724	131.9	3.02	58.9	373.7	0.443	1524.1	3.77	
100.	99.4	20.467	20.448	34.485	24.252	24.245	40.774	129.8	2.98	57.8	370.1	0.480	1523.9	3.97	
110.	109.3	19.657	19.637	34.487	24.466	24.460	41.036	129.0	2.96	56.6	349.9	0.517	1521.8	7.56	
120.	119.3	18.667	18.646	34.488	24.721	24.714	41.351	122.8	2.82	52.9	325.9	0.550	1519.1	8.49	
130.	129.2	17.620	17.598	34.500	24.988	24.981	41.684	119.5	2.74	50.5	300.6	0.581	1516.3	7.71	
140.	139.2	16.827	16.804	34.501	25.179	25.172	41.927	121.5	2.79	50.6	282.6	0.611	1514.1	7.56	
150.	149.1	16.348	16.324	34.507	25.295	25.288	42.074	118.2	2.71	48.8	271.8	0.638	1512.8	4.46	
fin	153.	152.1	16.275	16.250	34.506	25.311	25.304	42.095	116.6	2.68	48.1	270.4	0.646	1512.6	3.61

Vitesse verticale moyenne du son entre 2. et 153. dbar : 1528.3 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

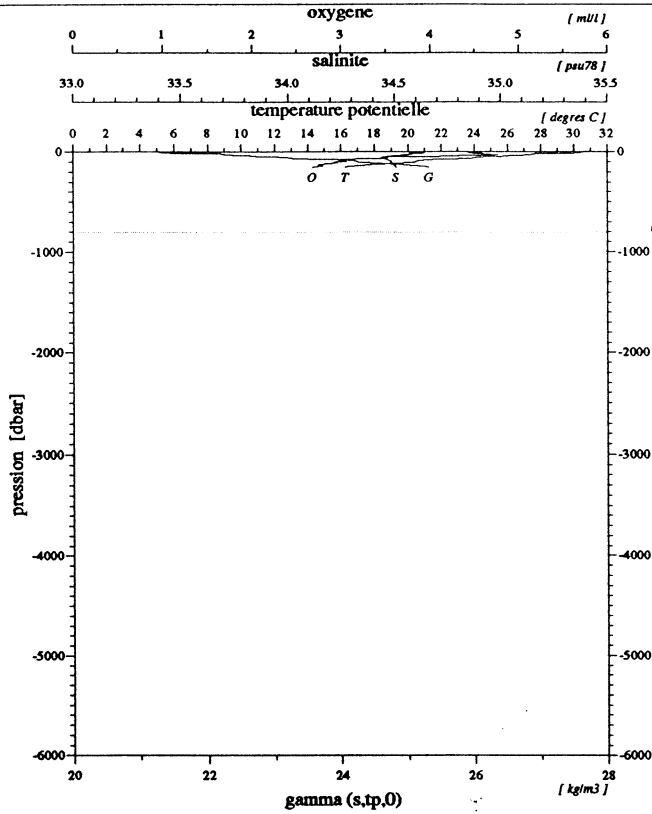


Diagramme salinite / oxygene

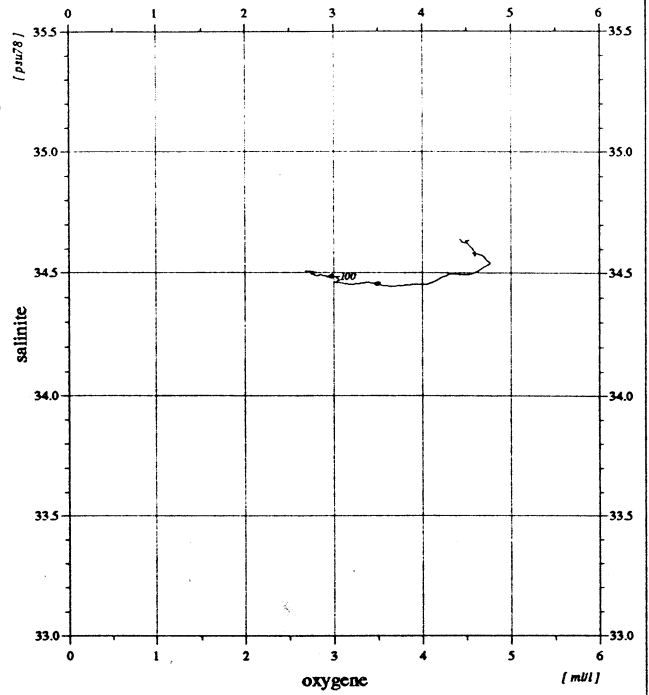


Diagramme temperature potentielle / salinite

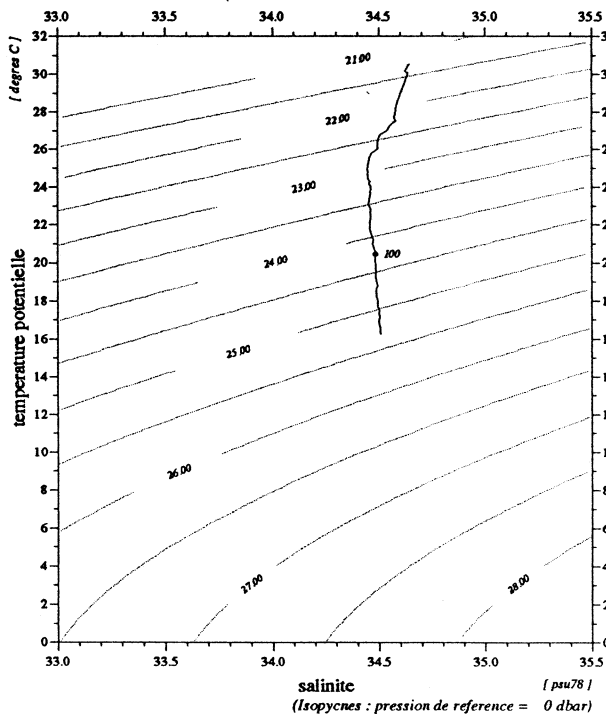
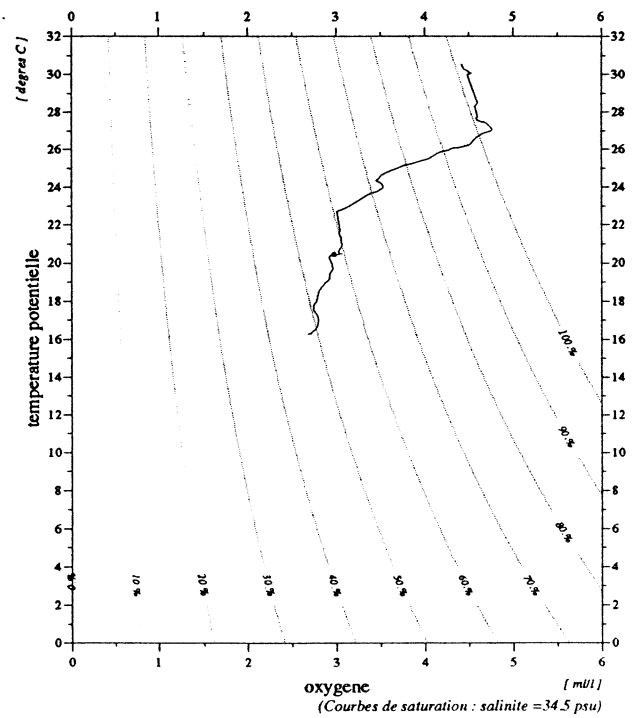


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	153.
temperature	30.537	16.275
theta	30.536	16.250
salinite	34.641	34.506
gamma (s,tp,0)	21.276	25.311
oxygene	4.42	2.68

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 795 m ( 801 dbar)	
16- 3-1992	10.12' 1 S
15.34 tu	121.9' 2 E

MD71/JADE2

Station 44.30

94/01/24  
13:47:11

STATION-4440

1

JADE 92

station : 44.40

donnees reduites a 10 dbar

le 16/ 3/1992 a 23.19 tu -10.1202 121.0912 sonde: 788 m ( 794.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.982	29.982	34.662	21.482	21.479	37.522	194.0	4.44	101.5	631.1	0.000	1545.3	0.00
10.	9.9	29.999	29.997	34.657	21.473	21.469	37.513	194.2	4.44	101.6	632.4	0.051	1545.4	0.00
20.	19.9	28.054	28.049	34.566	22.054	22.051	38.182	202.0	4.62	102.4	577.1	0.112	1541.3	12.70
30.	29.8	26.770	26.764	34.537	22.446	22.442	38.634	194.1	4.44	96.3	540.0	0.168	1538.6	15.09
41.	40.8	25.809	25.800	34.490	22.712	22.708	38.947	180.6	4.14	88.2	515.0	0.226	1536.5	16.98
50.	49.7	25.353	25.342	34.472	22.840	22.835	39.099	171.7	3.93	83.2	503.2	0.272	1535.5	6.26
60.	59.7	24.032	24.019	34.440	23.214	23.208	39.540	146.3	3.35	69.3	467.9	0.321	1532.4	12.59
70.	69.6	23.374	23.359	34.464	23.425	23.419	39.785	139.8	3.20	65.5	448.1	0.367	1531.0	7.80
80.	79.5	22.006	21.990	34.458	23.810	23.804	40.245	135.8	3.11	62.2	411.6	0.410	1527.6	9.42
90.	89.5	20.608	20.591	34.459	24.194	24.188	40.708	130.9	3.00	58.5	375.2	0.449	1524.0	16.32
100.	99.4	19.678	19.660	34.475	24.452	24.446	41.021	128.3	2.94	56.3	350.9	0.485	1521.7	6.84
110.	109.3	19.118	19.098	34.482	24.601	24.595	41.204	126.4	2.90	55.0	337.0	0.520	1520.3	5.84
120.	119.3	18.007	17.986	34.484	24.881	24.875	41.553	119.1	2.73	50.7	310.5	0.552	1517.2	14.52
130.	129.2	16.997	16.976	34.492	25.131	25.125	41.868	117.1	2.69	48.9	286.9	0.582	1514.4	7.46
140.	139.2	16.575	16.552	34.501	25.237	25.231	42.002	117.7	2.70	48.8	277.0	0.610	1513.3	5.81
150.	149.1	16.224	16.200	34.501	25.319	25.313	42.107	117.5	2.70	48.4	269.5	0.637	1512.4	4.33
160.	159.0	15.594	15.569	34.499	25.460	25.454	42.291	117.0	2.69	47.6	256.2	0.664	1510.6	6.55
170.	169.0	14.861	14.836	34.496	25.620	25.614	42.501	116.4	2.67	46.7	241.2	0.689	1508.5	9.65
180.	178.9	14.248	14.221	34.499	25.754	25.748	42.679	111.5	2.56	44.1	228.5	0.713	1506.7	10.63
190.	188.8	13.901	13.873	34.501	25.829	25.822	42.779	114.0	2.62	44.8	221.7	0.735	1505.7	3.16
200.	198.8	13.653	13.624	34.501	25.880	25.874	42.848	111.2	2.56	43.5	217.0	0.757	1505.1	2.05
220.	218.6	13.388	13.357	34.503	25.937	25.930	42.924	109.8	2.52	42.8	212.1	0.800	1504.5	4.55
240.	238.5	12.585	12.553	34.490	26.087	26.080	43.135	112.6	2.59	43.1	198.0	0.841	1502.2	3.45
260.	258.4	12.309	12.275	34.489	26.140	26.133	43.209	110.8	2.55	42.2	193.4	0.880	1501.6	2.32
280.	278.2	11.987	11.950	34.504	26.214	26.206	43.307	103.7	2.38	39.2	186.8	0.918	1500.8	5.10
300.	298.1	11.099	11.062	34.503	26.378	26.370	43.540	104.0	2.39	38.6	171.3	0.954	1498.1	4.06
320.	317.9	10.607	10.568	34.505	26.467	26.460	43.670	99.2	2.28	36.4	163.0	0.987	1496.7	3.55
340.	337.8	10.077	10.038	34.515	26.567	26.560	43.812	97.3	2.24	35.3	153.6	1.019	1495.1	3.15
360.	357.7	9.711	9.670	34.515	26.629	26.622	43.904	95.1	2.19	34.3	148.0	1.049	1494.1	3.76
380.	377.5	9.545	9.502	34.530	26.669	26.661	43.958	93.4	2.15	33.5	144.5	1.078	1493.9	1.52
400.	397.4	9.389	9.345	34.546	26.707	26.699	44.009	91.7	2.11	32.8	141.2	1.107	1493.7	0.00
420.	417.2	9.310	9.263	34.548	26.722	26.714	44.031	92.8	2.13	33.1	140.1	1.135	1493.7	1.24
440.	437.0	8.967	8.919	34.555	26.783	26.775	44.120	90.6	2.08	32.1	134.5	1.162	1492.8	4.42
460.	456.9	8.666	8.617	34.567	26.840	26.832	44.202	89.2	2.05	31.4	129.2	1.189	1492.0	3.50
480.	476.7	8.450	8.400	34.575	26.880	26.871	44.261	88.6	2.04	31.1	125.6	1.214	1491.5	1.64
500.	496.6	8.348	8.295	34.575	26.896	26.887	44.286	87.5	2.01	30.6	124.4	1.239	1491.5	2.70
550.	546.2	7.592	7.537	34.583	27.015	27.007	44.471	87.2	2.01	30.0	113.2	1.298	1489.5	2.55
600.	595.7	6.912	6.855	34.582	27.110	27.102	44.628	87.7	2.02	29.7	104.2	1.352	1487.7	2.97
650.	645.3	6.582	6.522	34.588	27.160	27.151	44.708	87.6	2.02	29.4	99.9	1.403	1487.2	0.62
700.	694.9	6.381	6.317	34.586	27.185	27.176	44.752	89.9	2.07	30.1	98.0	1.453	1487.2	0.00
750.	744.4	6.292	6.223	34.585	27.197	27.188	44.772	91.3	2.10	30.5	97.4	1.502	1487.7	1.07
776.	770.2	6.238	6.167	34.588	27.206	27.197	44.787	91.5	2.11	30.5	96.8	1.527	1487.9	0.00

Vitesse verticale moyenne du son entre 2. et 776. dbar : 1500.4 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

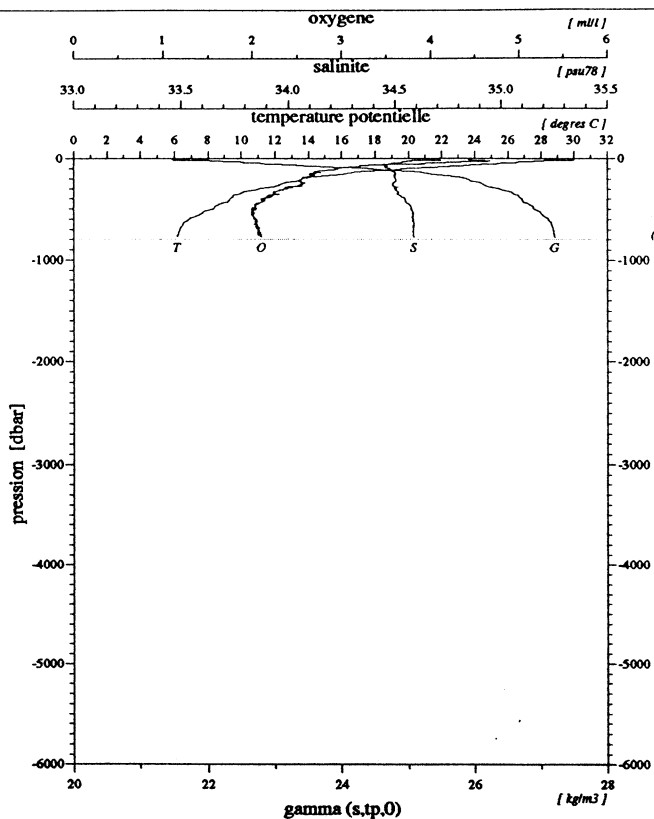


Diagramme salinite / oxygene

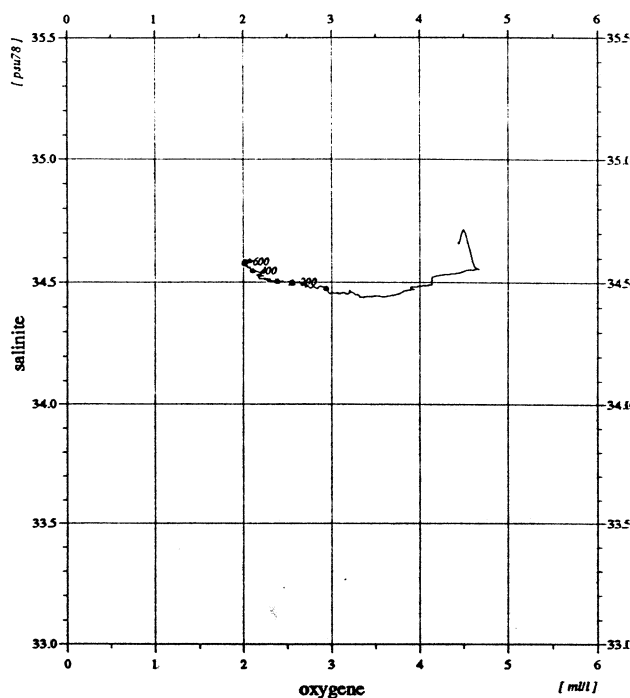


Diagramme temperature potentielle / salinite

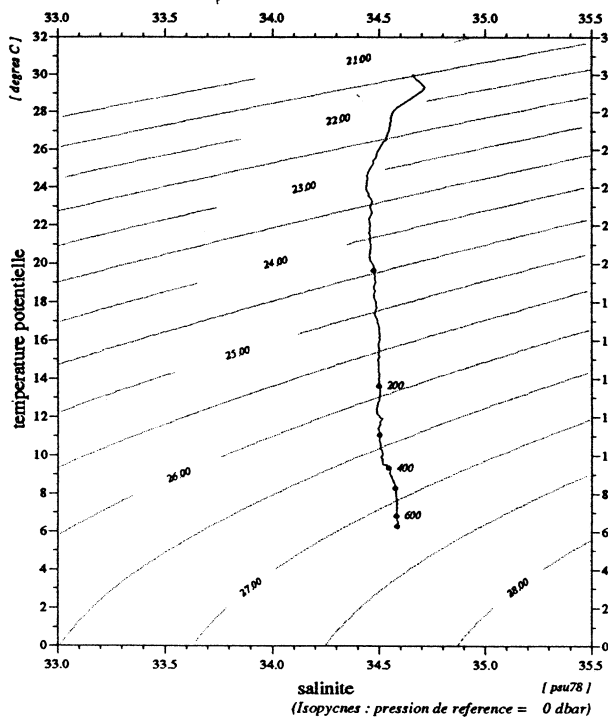
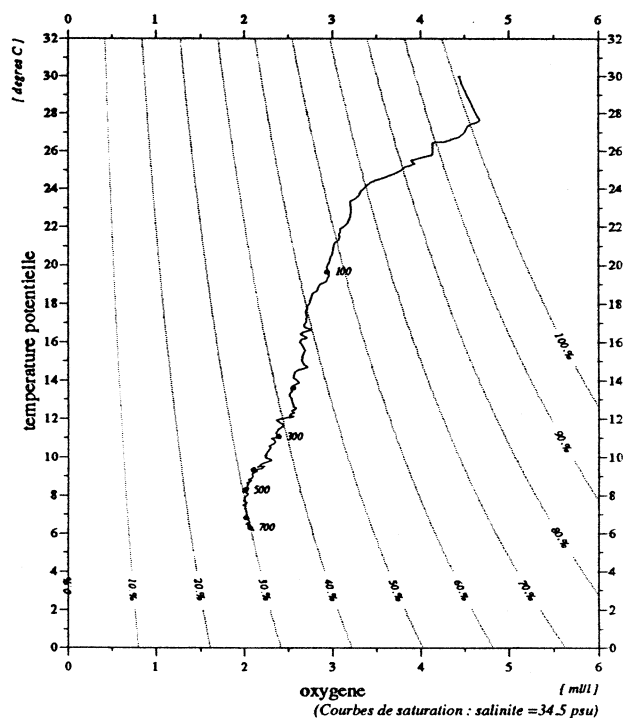


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	776
temperature	29.982	6.238
theta	29.982	6.167
salinite	34.662	34.588
gamma (s.tp.0)	21.482	27.206
oxygene	4.44	2.11

Niveaux reduits a 1 dbar  
 Bathysonde : NEH-BROWN type Mark III no 01-1116  
 01/02/94

sonde 788 m ( 794 dbar)	
16-3-1992	10.12' 0 S
23.19 tu	121.9' 1 E

MD71/JADE2

Station 44.40

JADE 92

station : 45.10

donnees reduites a 10 dbar

le 16/ 3/1992 a 0.12 tu -10.1655 121.1964 sonde: 1256 m (1267.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son) (cph)	bva	
2.	2.0	30.073	30.072	34.615	21.416	21.413	37.453	192.3	4.40	100.7	637.5	0.000	1545.4	0.00	
10.	9.9	30.089	30.086	34.617	21.412	21.408	37.449	191.7	4.38	100.4	638.2	0.051	1545.6	0.00	
20.	19.9	29.577	29.572	34.677	21.632	21.627	37.689	194.2	4.44	100.9	617.7	0.114	1544.7	10.15	
30.	29.8	27.371	27.364	34.544	22.260	22.256	38.419	192.4	4.40	96.4	557.9	0.173	1539.9	8.17	
40.	39.8	25.130	25.121	34.459	22.897	22.893	39.167	164.5	3.77	79.4	497.3	0.225	1534.8	8.93	
50.	49.7	24.376	24.365	34.466	23.130	23.125	39.438	154.9	3.55	73.9	475.4	0.274	1533.2	4.06	
60.	59.7	23.482	23.470	34.463	23.392	23.387	39.747	143.5	3.29	67.4	450.8	0.320	1531.1	8.27	
70.	69.6	22.159	22.145	34.466	23.773	23.767	40.199	139.2	3.19	63.9	414.8	0.364	1527.9	11.19	
80.	79.5	21.580	21.565	34.471	23.938	23.932	40.396	138.5	3.18	62.9	399.4	0.404	1526.5	3.92	
90.	89.5	20.696	20.679	34.476	24.183	24.177	40.692	131.7	3.02	58.9	376.3	0.443	1524.3	6.07	
100.	99.4	19.718	19.700	34.490	24.452	24.446	41.018	129.3	2.97	56.8	350.9	0.480	1521.8	3.10	
110.	109.3	18.674	18.655	34.491	24.720	24.714	41.350	127.9	2.93	55.1	325.6	0.514	1519.0	9.29	
120.	119.3	17.016	16.997	34.509	25.139	25.133	41.874	126.4	2.90	52.8	285.8	0.543	1514.3	6.22	
130.	129.2	16.573	16.552	34.512	25.246	25.240	42.010	126.9	2.91	52.6	275.9	0.571	1513.1	4.33	
140.	139.2	16.292	16.269	34.513	25.312	25.306	42.095	124.3	2.85	51.2	269.9	0.599	1512.4	3.50	
150.	149.1	16.021	15.997	34.509	25.372	25.365	42.173	121.6	2.79	49.9	264.5	0.625	1511.8	3.50	
160.	159.0	15.361	15.337	34.504	25.516	25.510	42.362	119.4	2.74	48.3	250.9	0.651	1509.9	4.99	
170.	169.0	14.910	14.884	34.507	25.617	25.611	42.495	117.7	2.70	47.2	241.4	0.676	1508.6	3.61	
180.	178.9	14.252	14.226	34.504	25.756	25.750	42.681	117.2	2.69	46.4	228.3	0.699	1506.7	6.25	
190.	188.8	13.865	13.838	34.508	25.842	25.835	42.794	114.8	2.64	45.1	220.4	0.722	1505.6	6.46	
200.	198.8	13.566	13.538	34.501	25.898	25.892	42.873	118.6	2.72	46.3	215.2	0.743	1504.8	4.95	
220.	218.6	12.684	12.654	34.499	26.074	26.068	43.114	114.1	2.62	43.8	198.8	0.785	1502.2	4.06	
240.	238.5	12.247	12.215	34.519	26.175	26.168	43.248	107.7	2.47	40.9	189.6	0.824	1501.1	5.74	
260.	258.4	11.892	11.858	34.505	26.232	26.225	43.332	111.8	2.57	42.2	184.5	0.861	1500.2	1.75	
280.	278.2	11.741	11.705	34.505	26.261	26.253	43.373	111.4	2.56	41.9	182.2	0.898	1500.0	1.38	
300.	298.1	11.504	11.466	34.502	26.303	26.296	43.434	108.9	2.50	40.8	178.6	0.934	1499.5	2.14	
320.	317.9	10.530	10.492	34.508	26.483	26.476	43.692	103.0	2.37	37.8	161.4	0.967	1496.4	3.39	
340.	337.8	9.827	9.788	34.527	26.619	26.611	43.884	97.2	2.23	35.1	148.6	0.998	1494.2	2.40	
360.	357.7	9.536	9.495	34.536	26.675	26.667	43.964	94.7	2.18	34.0	143.5	1.027	1493.5	3.09	
380.	377.5	9.167	9.125	34.542	26.740	26.733	44.060	92.7	2.13	33.0	137.5	1.055	1492.5	2.40	
400.	397.4	8.740	8.697	34.550	26.814	26.807	44.171	90.2	2.07	31.8	130.5	1.082	1491.3	1.38	
420.	417.2	8.479	8.434	34.563	26.865	26.858	44.244	88.9	2.04	31.2	125.9	1.108	1490.6	2.77	
440.	437.0	8.277	8.231	34.561	26.895	26.887	44.291	89.9	2.07	31.4	123.3	1.133	1490.2	2.55	
460.	456.9	8.161	8.113	34.578	26.926	26.919	44.332	88.2	2.03	30.7	120.6	1.157	1490.1	1.64	
480.	476.7	7.891	7.842	34.584	26.971	26.963	44.400	87.9	2.02	30.4	116.5	1.181	1489.4	1.75	
500.	496.6	7.834	7.783	34.587	26.982	26.974	44.417	88.4	2.03	30.6	115.7	1.204	1489.6	0.62	
550.	546.2	7.547	7.492	34.585	27.023	27.015	44.483	87.4	2.01	30.0	112.4	1.261	1489.3	1.86	
600.	595.7	7.080	7.022	34.583	27.087	27.079	44.590	89.1	2.05	30.3	106.6	1.316	1488.3	1.52	
650.	645.3	6.908	6.846	34.584	27.113	27.104	44.631	89.1	2.05	30.2	104.8	1.369	1488.5	0.87	
700.	694.9	6.585	6.519	34.586	27.158	27.150	44.707	89.6	2.06	30.1	100.7	1.420	1488.0	0.00	
750.	744.4	6.331	6.262	34.585	27.191	27.182	44.763	91.1	2.10	30.4	98.0	1.470	1487.9	0.62	
800.	793.9	6.125	6.053	34.585	27.218	27.209	44.810	92.0	2.12	30.6	95.8	1.518	1487.9	1.07	
850.	843.5	5.841	5.765	34.585	27.254	27.245	44.873	93.0	2.14	30.7	92.6	1.566	1487.6	2.97	
900.	893.0	5.570	5.492	34.586	27.289	27.279	44.933	94.6	2.18	31.1	89.5	1.611	1487.3	1.51	
950.	942.5	5.278	5.197	34.588	27.326	27.316	44.998	95.2	2.19	31.0	86.0	1.655	1487.0	1.75	
1000.	992.0	5.061	4.977	34.591	27.354	27.344	45.048	96.3	2.22	31.2	83.5	1.697	1486.9	0.00	
1100.	1090.9	4.984	4.891	34.592	27.365	27.354	45.067	96.1	2.21	31.1	83.5	1.780	1488.3	1.24	
1200.	1189.8	4.799	4.699	34.593	27.387	27.375	45.107	97.4	2.24	31.4	82.0	1.863	1489.2	0.00	
fin	1214.	1203.6	4.795	4.693	34.593	27.388	27.376	45.109	97.2	2.23	31.3	82.1	1.874	1489.4	0.00

Vitesse verticale moyenne du son entre 2. et 1214. dbar : 1495.4 m/s

Pression de reference pour gamprf : 4000. dbar

Profils verticaux

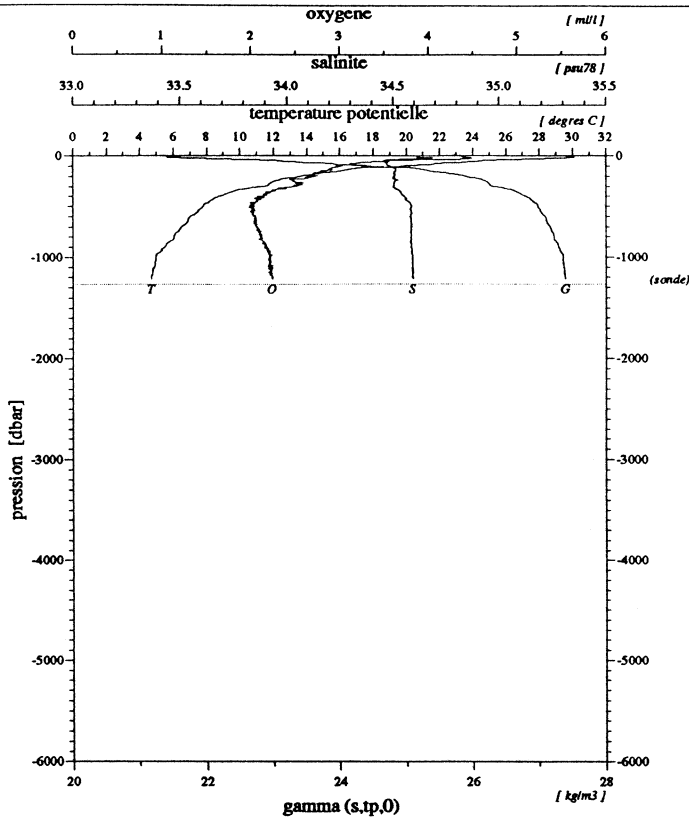


Diagramme salinite / oxygene

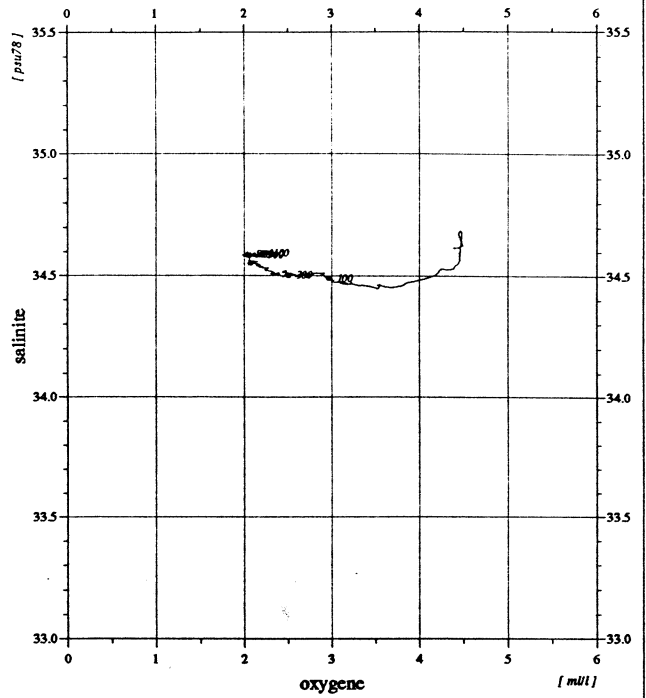


Diagramme temperature potentielle / salinite

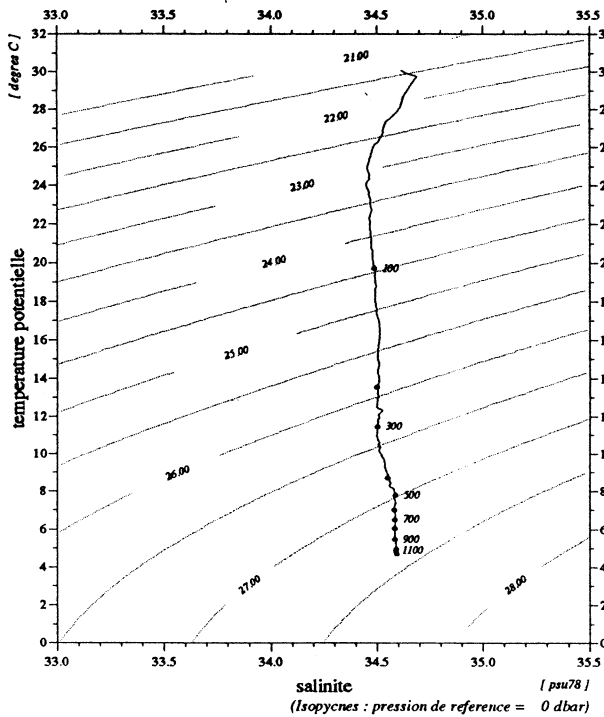
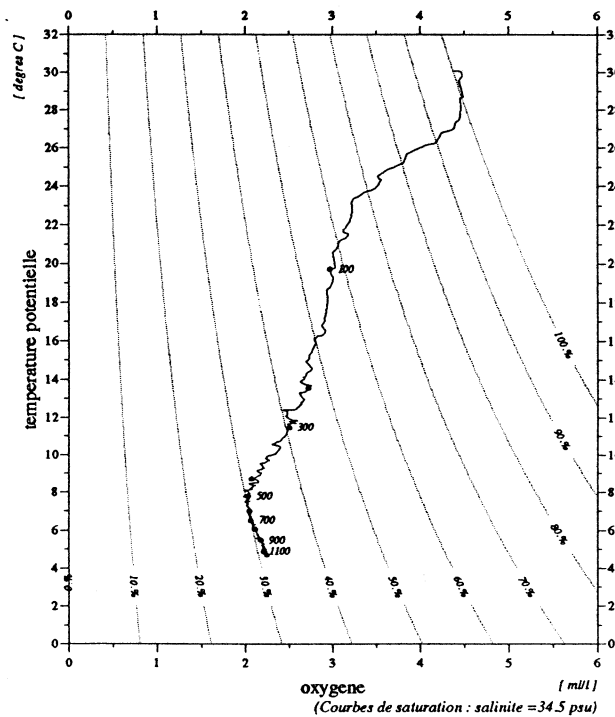


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1214.
temperature	30.073	4.795
theta	30.072	4.694
salinite	34.615	34.593
gamma (s.tp,0)	21.416	27.388
oxygene	4.40	2.23

Niveaux reduits a 1 dbar  
 Bathysonde : NETH-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1256 m (1267 dbar)	
16-3-1992	10.16' 5 S
0.12 tu	121.19' 6 E

94/01/24  
13:46:52

STATION-4520

1

JADE 92

station : 45.20

donnees reduites a 10 dbar

le 16/ 3/1992 a 2.43 tu -10.1661 121.1920 sonde: 1368 m (1380.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	30.051	30.051	34.620	21.427	21.424	37.465	188.1	4.30	98.5	636.4	0.000	1545.4	0.00	
10.	9.9	29.367	29.365	34.712	21.728	21.725	37.794	188.1	4.30	97.4	607.9	0.050	1544.2	15.16	
20.	19.9	27.726	27.721	34.565	22.160	22.157	38.303	203.8	4.66	102.8	567.0	0.109	1540.6	7.78	
30.	29.8	26.074	26.067	34.501	22.638	22.634	38.859	177.9	4.07	87.3	521.7	0.163	1536.9	10.21	
40.	39.8	24.762	24.754	34.456	23.007	23.002	39.295	162.0	3.71	77.7	486.8	0.214	1533.9	12.33	
50.	49.7	24.269	24.258	34.456	23.155	23.150	39.468	155.6	3.57	74.1	473.1	0.262	1532.9	7.70	
60.	59.7	23.554	23.542	34.469	23.375	23.370	39.726	145.7	3.34	68.5	452.4	0.308	1531.3	8.80	
70.	69.6	22.774	22.760	34.471	23.603	23.597	39.995	141.3	3.24	65.6	431.1	0.353	1529.5	13.23	
80.	79.5	21.501	21.486	34.468	23.957	23.952	40.420	133.6	3.06	60.6	397.5	0.394	1526.3	6.81	
90.	89.5	20.154	20.138	34.478	24.328	24.323	40.869	129.5	2.97	57.4	362.4	0.432	1522.8	13.75	
100.	99.4	19.411	19.393	34.490	24.532	24.526	41.117	129.9	2.98	56.8	343.2	0.467	1520.9	4.95	
110.	109.3	19.082	19.062	34.491	24.618	24.611	41.222	122.3	2.81	53.1	335.4	0.501	1520.2	9.41	
120.	119.3	17.126	17.106	34.507	25.111	25.106	41.839	125.8	2.89	52.7	288.4	0.531	1514.6	5.81	
130.	129.2	16.743	16.722	34.511	25.205	25.199	41.958	124.5	2.86	51.8	279.8	0.559	1513.7	4.01	
140.	139.2	16.532	16.509	34.513	25.256	25.250	42.023	124.2	2.85	51.4	275.2	0.587	1513.2	2.84	
150.	149.1	16.264	16.240	34.509	25.316	25.310	42.101	121.6	2.79	50.1	269.8	0.614	1512.5	7.48	
160.	159.0	15.880	15.854	34.505	25.401	25.394	42.212	120.6	2.77	49.3	262.0	0.641	1511.5	7.40	
170.	169.0	15.177	15.151	34.502	25.556	25.549	42.415	119.2	2.74	48.1	247.4	0.667	1509.5	10.83	
180.	178.9	14.897	14.870	34.504	25.618	25.612	42.497	119.2	2.74	47.8	241.7	0.691	1508.8	5.03	
190.	188.8	14.245	14.217	34.505	25.760	25.753	42.685	114.9	2.64	45.5	228.3	0.715	1506.8	5.90	
200.	198.8	13.796	13.768	34.502	25.852	25.845	42.809	117.8	2.71	46.3	219.7	0.737	1505.5	6.40	
220.	218.6	13.018	12.988	34.501	26.009	26.003	43.024	114.9	2.64	44.4	205.1	0.780	1503.3	3.61	
240.	238.5	12.332	12.300	34.511	26.152	26.145	43.218	110.1	2.53	41.9	191.8	0.819	1501.3	5.60	
260.	258.4	11.805	11.772	34.503	26.246	26.240	43.354	113.8	2.62	42.9	183.1	0.857	1499.9	1.96	
280.	278.2	11.739	11.703	34.504	26.260	26.253	43.373	112.5	2.59	42.3	182.3	0.893	1500.0	1.38	
300.	298.1	11.201	11.164	34.496	26.354	26.346	43.509	108.4	2.49	40.3	173.6	0.929	1498.4	5.50	
320.	317.9	10.517	10.478	34.510	26.487	26.480	43.696	102.6	2.36	37.6	161.1	0.962	1496.4	1.38	
340.	337.8	9.890	9.851	34.527	26.608	26.601	43.868	100.3	2.31	36.3	149.6	0.993	1494.5	8.25	
360.	357.7	9.542	9.501	34.533	26.672	26.665	43.960	97.0	2.23	34.8	143.8	1.023	1493.5	3.15	
380.	377.5	9.164	9.122	34.541	26.740	26.733	44.060	94.3	2.17	33.6	137.5	1.051	1492.5	2.77	
400.	397.4	9.015	8.971	34.547	26.768	26.761	44.101	93.6	2.15	33.2	135.1	1.078	1492.3	2.47	
420.	417.2	8.642	8.597	34.551	26.831	26.823	44.195	91.7	2.11	32.3	129.3	1.104	1491.2	2.05	
440.	437.0	8.410	8.364	34.556	26.871	26.863	44.255	90.5	2.08	31.7	125.7	1.130	1490.7	1.07	
460.	456.9	8.310	8.262	34.563	26.891	26.884	44.285	89.7	2.06	31.4	124.0	1.155	1490.7	1.75	
480.	476.7	8.262	8.211	34.571	26.906	26.898	44.303	89.2	2.05	31.1	123.0	1.180	1490.8	1.07	
500.	496.6	8.080	8.028	34.578	26.939	26.931	44.352	88.8	2.04	30.9	120.0	1.204	1490.5	2.83	
550.	546.2	7.688	7.633	34.581	27.000	26.991	44.448	87.4	2.01	30.1	114.8	1.263	1489.8	2.83	
600.	595.7	7.220	7.161	34.581	27.067	27.058	44.557	88.8	2.04	30.3	108.7	1.319	1488.9	1.86	
650.	645.3	6.899	6.837	34.584	27.114	27.105	44.633	88.7	2.04	30.0	104.7	1.371	1488.4	0.87	
700.	694.9	6.666	6.600	34.583	27.145	27.136	44.687	89.4	2.06	30.1	102.1	1.423	1488.4	1.96	
750.	744.4	6.444	6.374	34.584	27.176	27.167	44.738	90.3	2.08	30.2	99.6	1.474	1488.3	0.62	
800.	793.9	6.211	6.138	34.584	27.206	27.197	44.790	91.3	2.10	30.4	97.1	1.523	1488.2	1.38	
850.	843.5	5.883	5.807	34.583	27.248	27.238	44.863	92.5	2.13	30.6	93.3	1.570	1487.7	0.00	
900.	893.0	5.620	5.542	34.584	27.281	27.271	44.921	94.2	2.17	30.9	90.3	1.616	1487.5	1.51	
950.	942.5	5.481	5.399	34.587	27.301	27.291	44.954	94.9	2.18	31.1	88.8	1.661	1487.8	0.00	
1000.	992.0	5.142	5.057	34.590	27.343	27.333	45.029	96.4	2.22	31.3	84.6	1.705	1487.2	0.00	
1100.	1090.9	4.755	4.664	34.591	27.389	27.379	45.113	97.8	2.25	31.5	80.5	1.787	1487.3	0.62	
1200.	1189.8	4.259	4.164	34.592	27.444	27.434	45.218	98.3	2.26	31.2	75.1	1.865	1486.9	2.23	
1300.	1288.6	3.899	3.799	34.597	27.487	27.476	45.297	99.6	2.29	31.4	71.0	1.938	1487.1	0.00	
fin	1354.	1342.0	3.817	3.712	34.598	27.496	27.485	45.314	100.0	2.30	31.5	70.4	1.976	1487.7	2.62

Vitesse verticale moyenne du son entre 2. et 1354. dbar : 1494.7 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

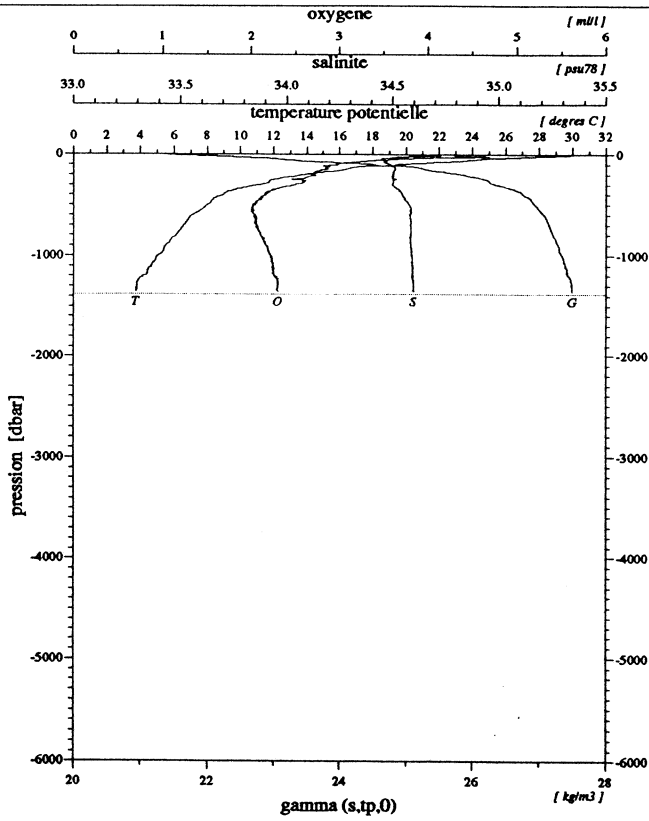


Diagramme salinite / oxygene

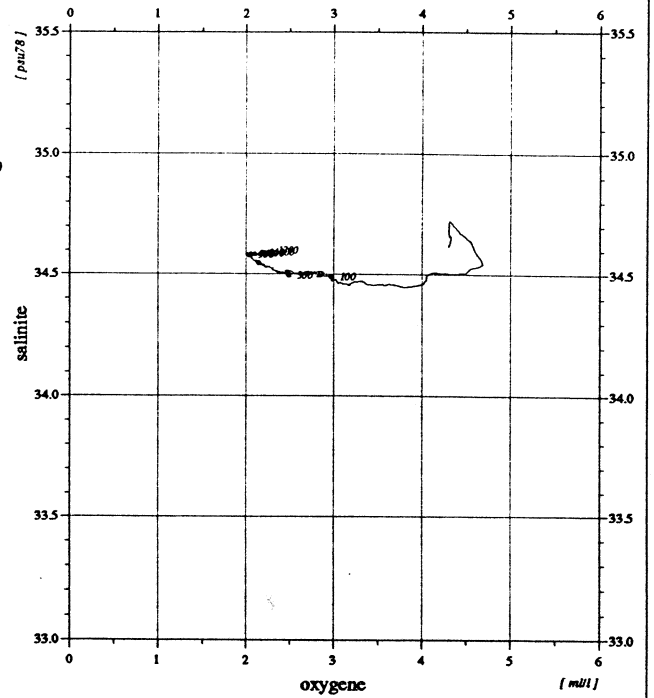


Diagramme temperature potentielle / salinite

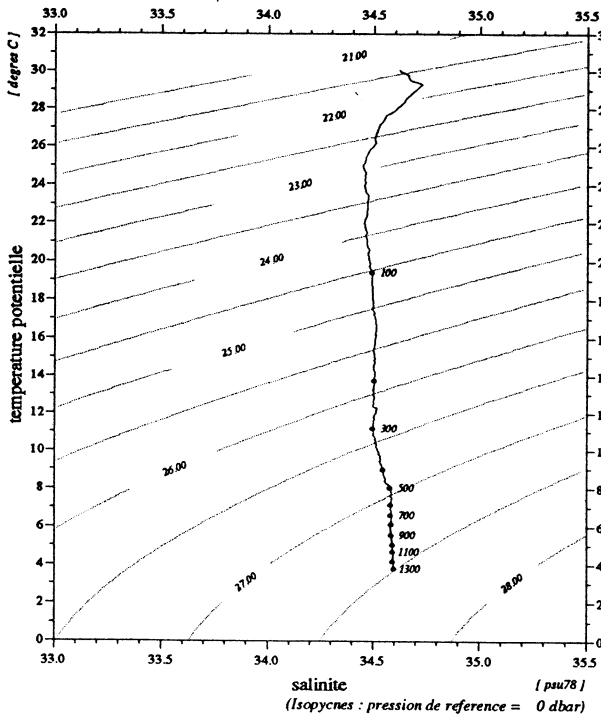
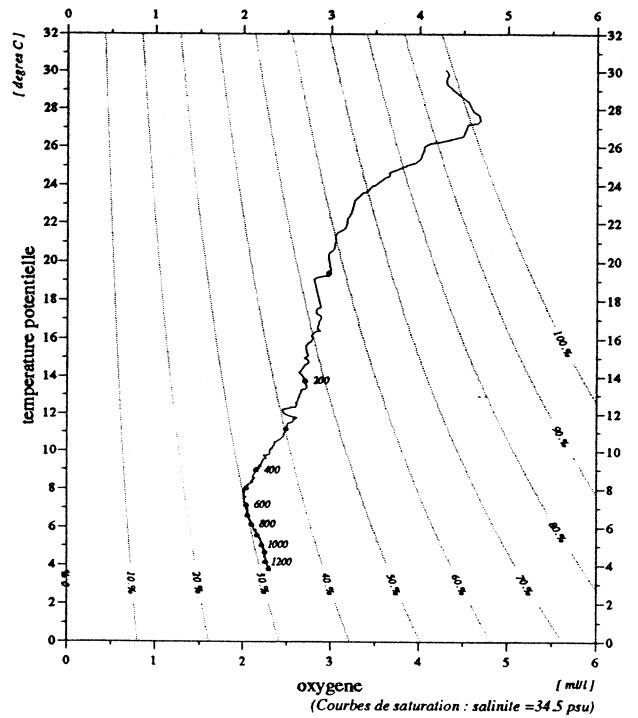


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	1354.
temperature	30.051	3.817
theta	30.051	3.712
salinite	34.620	34.598
gamma (s,tp,0)	21.427	27.496
oxygene	4.30	2.30

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 1368 m (1380 dbar)	
16-3-1992	10.16' 6 S
2.43 tu	121.19' 2 E

MD71/JADE2

Station 45.20

94/01/24  
13:46:55

# STATION-4610

1

JADE 92

station : 46.10

donnees reduites a 10 dbar

le 16/ 3/1992 a 5.47 tu -10.2300 121.3436 sonde: 899 m ( 906.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son) (cph)	bva (cph)
2.	2.0	29.723	29.723	34.668	21.574	21.571	37.625	204.2	4.67	106.4	622.3	0.000	1544.7	0.00
7.	7.0	29.761	29.759	34.669	21.562	21.559	37.612	204.2	4.67	106.4	623.7	0.031	1544.9	0.00
20.	19.9	29.528	29.523	34.683	21.653	21.649	37.713	204.1	4.67	106.0	615.6	0.112	1544.6	2.81
30.	29.8	27.504	27.497	34.612	22.268	22.264	38.420	205.7	4.71	103.4	557.1	0.170	1540.3	5.28
40.	39.8	27.437	27.428	34.608	22.287	22.282	38.442	206.8	4.73	103.8	555.7	0.226	1540.3	3.04
50.	49.7	26.077	26.066	34.487	22.628	22.622	38.850	169.7	3.88	83.2	523.6	0.281	1537.3	17.59
60.	59.7	24.492	24.479	34.478	23.106	23.100	39.407	153.3	3.51	73.2	478.2	0.330	1533.6	4.55
70.	69.6	23.605	23.590	34.468	23.361	23.355	39.709	148.9	3.41	70.0	454.2	0.377	1531.6	8.76
80.	79.5	23.063	23.047	34.478	23.526	23.519	39.902	146.0	3.35	68.1	438.8	0.421	1530.4	4.92
90.	89.5	22.379	22.361	34.469	23.715	23.708	40.129	139.4	3.19	64.2	421.2	0.464	1528.8	8.30
100.	99.4	21.618	21.598	34.472	23.930	23.923	40.386	136.1	3.12	61.9	400.9	0.505	1526.9	6.93
110.	109.3	20.593	20.572	34.474	24.210	24.203	40.725	130.0	2.98	58.0	374.5	0.544	1524.4	10.10
120.	119.3	18.345	18.324	34.490	24.803	24.796	41.453	115.7	2.65	49.6	318.0	0.578	1518.2	8.42
130.	129.2	17.260	17.239	34.505	25.079	25.073	41.798	127.3	2.92	53.5	291.9	0.608	1515.2	4.67
140.	139.2	16.506	16.483	34.510	25.260	25.254	42.029	124.9	2.87	51.7	274.8	0.636	1513.1	3.66
150.	149.1	16.148	16.124	34.504	25.339	25.332	42.131	124.3	2.85	51.1	267.6	0.664	1512.2	8.44
160.	159.0	15.556	15.531	34.512	25.479	25.473	42.312	122.1	2.80	49.6	254.5	0.690	1510.5	5.71
170.	169.0	15.179	15.153	34.508	25.560	25.553	42.419	121.8	2.80	49.2	247.0	0.715	1509.5	5.14
180.	178.9	14.559	14.533	34.509	25.695	25.689	42.598	114.9	2.64	45.8	234.3	0.739	1507.7	4.15
190.	188.8	13.917	13.890	34.508	25.831	25.824	42.779	115.4	2.65	45.4	221.5	0.762	1505.8	6.46
200.	198.8	13.783	13.755	34.510	25.860	25.853	42.818	112.7	2.59	44.2	218.9	0.784	1505.5	2.77
220.	218.6	13.082	13.052	34.508	26.002	25.995	43.012	113.5	2.61	43.9	205.8	0.826	1503.5	3.16
240.	238.5	12.547	12.515	34.504	26.105	26.098	43.156	115.3	2.65	44.1	196.3	0.866	1502.1	4.38
260.	258.4	11.935	11.901	34.500	26.220	26.213	43.317	111.8	2.57	42.2	185.7	0.905	1500.3	2.14
280.	278.2	11.460	11.424	34.498	26.308	26.301	43.442	111.5	2.56	41.7	177.6	0.941	1499.0	4.46
300.	298.1	11.009	10.972	34.502	26.393	26.386	43.563	109.5	2.52	40.6	169.7	0.976	1497.8	3.61
320.	317.9	10.607	10.569	34.514	26.474	26.467	43.676	103.5	2.38	38.0	162.3	1.009	1496.7	2.05
340.	337.8	10.297	10.256	34.517	26.531	26.524	43.759	101.7	2.34	37.1	157.2	1.041	1495.9	3.27
360.	357.6	9.719	9.678	34.520	26.631	26.624	43.906	100.1	2.30	36.1	147.7	1.071	1494.2	4.01
380.	377.5	9.358	9.315	34.525	26.696	26.688	44.000	98.3	2.26	35.1	141.8	1.100	1493.2	3.09
400.	397.3	9.028	8.984	34.536	26.757	26.750	44.090	96.6	2.22	34.3	136.1	1.128	1492.3	1.96
420.	417.2	8.698	8.653	34.538	26.812	26.804	44.172	96.5	2.22	34.0	131.1	1.154	1491.4	1.52
440.	437.0	8.513	8.466	34.540	26.842	26.835	44.219	95.9	2.21	33.7	128.4	1.180	1491.1	3.27
460.	456.9	8.267	8.219	34.548	26.886	26.879	44.284	94.5	2.17	33.0	124.4	1.206	1490.5	1.86
480.	476.7	8.206	8.157	34.555	26.901	26.893	44.304	93.1	2.14	32.4	123.3	1.230	1490.6	1.07
500.	496.6	8.095	8.043	34.563	26.924	26.916	44.337	91.5	2.10	31.8	121.5	1.255	1490.5	1.38
550.	546.2	7.700	7.645	34.573	26.991	26.983	44.438	90.8	2.09	31.3	115.6	1.314	1489.9	2.83
600.	595.7	7.390	7.331	34.578	27.040	27.031	44.515	90.7	2.09	31.1	111.5	1.370	1489.5	1.38
650.	645.3	6.975	6.912	34.578	27.099	27.090	44.612	91.1	2.09	30.9	106.2	1.425	1488.7	0.87
700.	694.9	6.523	6.458	34.583	27.164	27.155	44.718	91.3	2.10	30.6	100.1	1.476	1487.8	1.64
750.	744.4	6.101	6.033	34.583	27.219	27.210	44.813	92.6	2.13	30.8	95.0	1.525	1487.0	1.07
800.	793.9	5.788	5.718	34.585	27.260	27.251	44.883	93.8	2.16	30.9	91.3	1.572	1486.5	0.62
850.	843.5	5.375	5.302	34.587	27.313	27.304	44.975	95.3	2.19	31.1	86.2	1.616	1485.7	0.00
879.	872.2	5.365	5.290	34.588	27.315	27.306	44.979	95.2	2.19	31.1	86.3	1.641	1486.1	0.87

Vitesse verticale moyenne du son entre 2. et 879. dbar : 1498.9 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

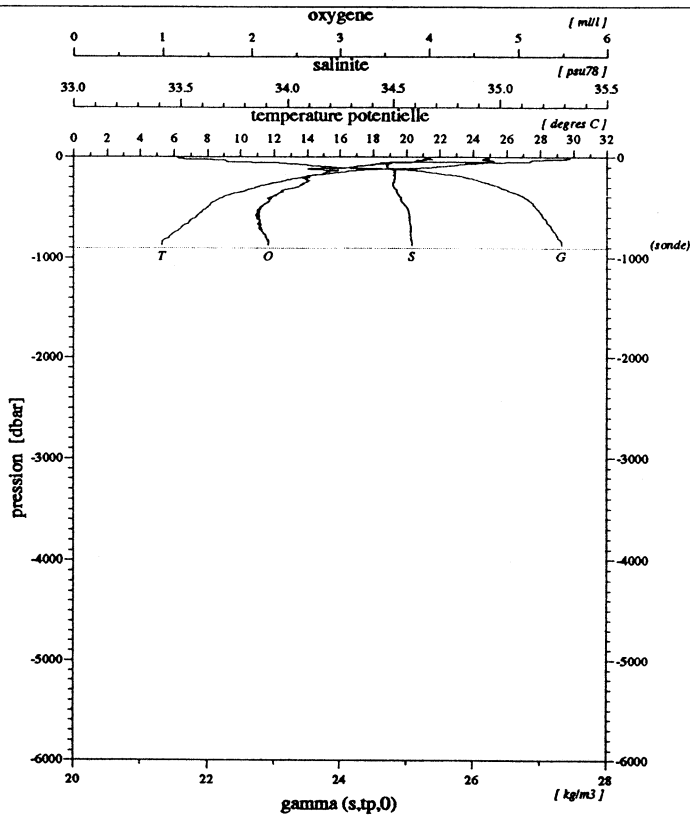


Diagramme salinite / oxygene

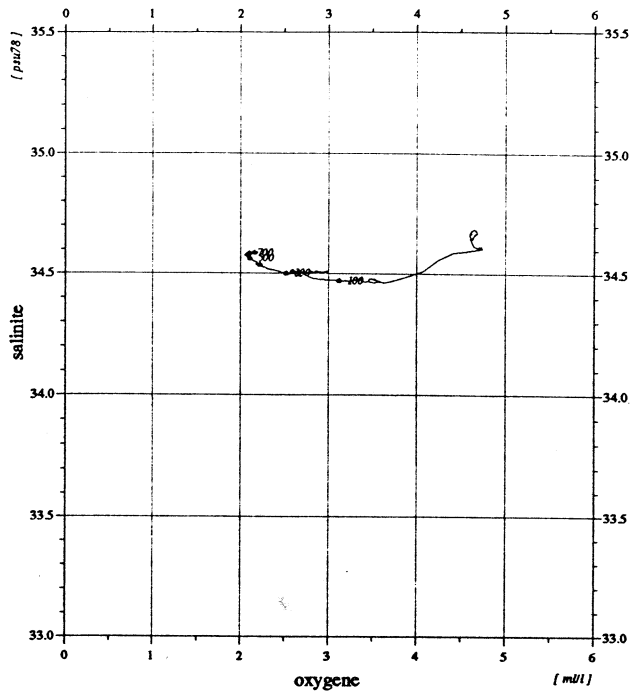


Diagramme temperature potentielle / salinite

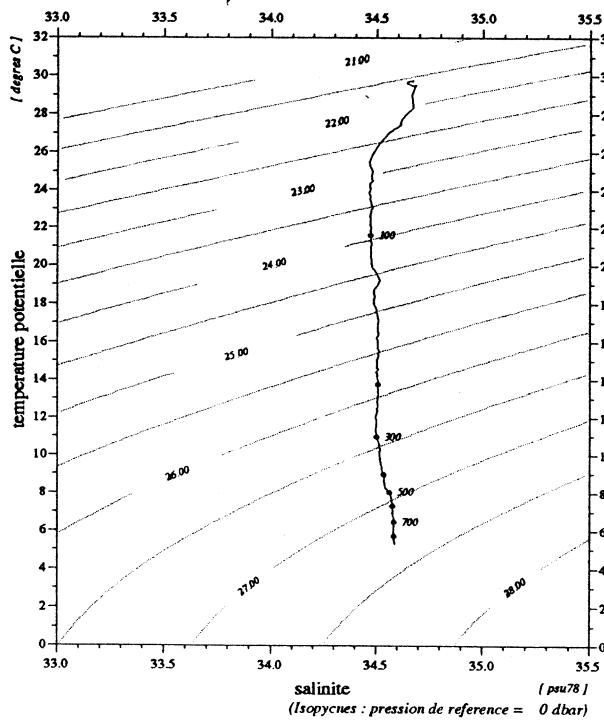
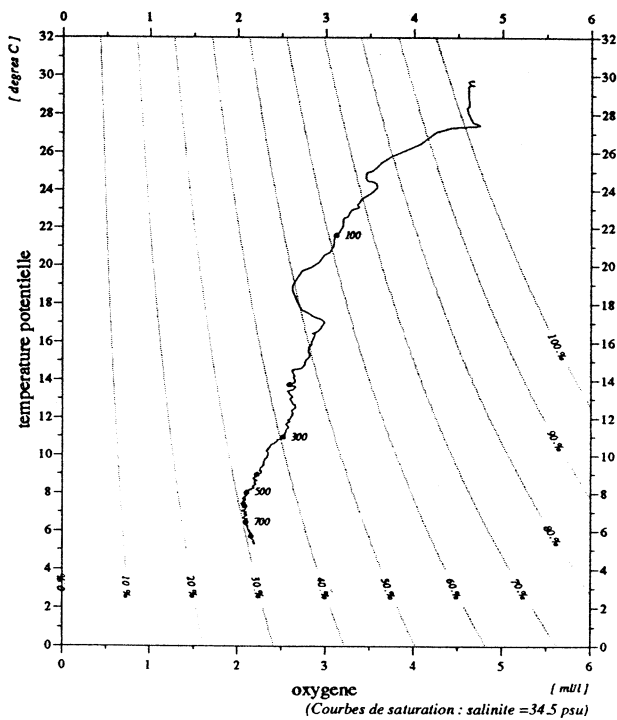


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	879.
temperature	29.723	5.365
theta	29.722	5.290
salinite	34.668	34.588
gamma (s,tp,0)	21.574	27.315
oxygene	4.67	2.19

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 899 m ( 906 dbar)	
16- 3-1992	10.22' 9 S
5.47 tu	121.34' 3 E

MD71/JADE2

Station 46.10

94/01/24  
13:46:58

STATION-4620

1

JADE 92

station : 46.20

donnees reduites a 10 dbar

le 16/ 3/1992 a 7.29 tu -10.2278 121.3437 sonde: 899 m ( 906.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.531	30.531	34.667	21.297	21.294	37.315	191.3	4.37	100.9	648.8	0.000	1546.4	0.00
10.	9.9	29.617	29.615	34.627	21.580	21.577	37.637	194.2	4.44	101.0	622.1	0.051	1544.6	8.13
20.	19.9	29.567	29.562	34.685	21.641	21.637	37.699	191.4	4.38	99.5	616.7	0.112	1544.7	4.32
30.	29.8	28.647	28.640	34.684	21.949	21.944	38.047	199.4	4.56	102.1	587.7	0.173	1542.9	6.37
40.	39.8	26.809	26.800	34.563	22.454	22.449	38.640	187.1	4.28	93.0	539.7	0.230	1538.9	3.10
50.	49.7	26.726	26.714	34.560	22.479	22.474	38.669	196.0	4.49	97.2	537.8	0.283	1538.8	1.24
60.	59.7	25.491	25.478	34.476	22.801	22.795	39.052	171.9	3.94	83.5	507.4	0.337	1536.0	23.85
70.	69.6	23.789	23.775	34.467	23.306	23.300	39.644	145.9	3.34	68.9	459.5	0.385	1532.0	10.78
80.	79.5	22.769	22.752	34.476	23.609	23.603	40.002	143.1	3.28	66.4	430.9	0.429	1529.6	4.04
90.	89.5	22.336	22.318	34.469	23.727	23.720	40.143	138.2	3.17	63.6	420.0	0.471	1528.7	4.64
100.	99.4	21.047	21.028	34.469	24.084	24.077	40.573	132.2	3.03	59.5	386.2	0.512	1525.4	11.54
110.	109.3	19.396	19.376	34.478	24.527	24.521	41.113	121.6	2.79	53.1	344.1	0.548	1521.0	13.08
120.	119.3	17.783	17.763	34.492	24.942	24.936	41.628	120.8	2.77	51.2	304.7	0.580	1516.6	11.15
130.	129.2	17.165	17.144	34.510	25.105	25.099	41.830	123.9	2.85	52.0	289.4	0.610	1514.9	7.00
140.	139.2	16.581	16.558	34.509	25.242	25.236	42.006	122.8	2.82	50.9	276.6	0.638	1513.3	4.01
150.	149.1	16.215	16.192	34.506	25.325	25.318	42.113	120.1	2.76	49.4	269.0	0.666	1512.4	7.25
160.	159.0	15.511	15.487	34.511	25.488	25.482	42.324	121.5	2.79	49.3	253.6	0.692	1510.4	4.46
170.	169.0	14.990	14.964	34.500	25.595	25.589	42.467	117.5	2.70	47.2	243.6	0.717	1508.9	6.75
180.	178.9	14.498	14.472	34.499	25.701	25.694	42.608	114.8	2.64	45.7	233.7	0.740	1507.5	6.16
190.	188.8	13.838	13.811	34.504	25.844	25.838	42.798	114.0	2.62	44.8	220.2	0.763	1505.5	3.16
200.	198.8	13.247	13.219	34.502	25.964	25.958	42.962	113.4	2.61	44.0	208.9	0.785	1503.7	5.81
220.	218.6	12.531	12.501	34.501	26.105	26.099	43.157	113.9	2.62	43.6	195.7	0.825	1501.7	4.63
240.	238.5	12.207	12.176	34.500	26.168	26.161	43.244	113.0	2.60	42.9	190.2	0.864	1500.9	1.38
260.	258.4	11.811	11.777	34.498	26.242	26.235	43.349	112.1	2.58	42.2	183.5	0.901	1499.9	1.24
280.	278.2	11.337	11.302	34.497	26.329	26.322	43.473	110.6	2.54	41.3	175.5	0.937	1498.6	3.71
300.	298.1	10.950	10.913	34.501	26.403	26.396	43.578	107.1	2.46	39.6	168.8	0.971	1497.5	3.27
320.	317.9	10.455	10.417	34.514	26.501	26.494	43.716	102.9	2.37	37.7	159.6	1.004	1496.1	2.63
340.	337.8	10.072	10.033	34.514	26.568	26.560	43.813	102.2	2.35	37.1	153.6	1.035	1495.1	3.44
360.	357.6	9.532	9.491	34.522	26.664	26.657	43.954	98.3	2.26	35.3	144.5	1.065	1493.5	3.03
380.	377.5	9.281	9.238	34.524	26.707	26.700	44.018	97.9	2.25	34.9	140.7	1.093	1492.9	3.21
400.	397.3	9.043	8.999	34.535	26.755	26.748	44.086	96.0	2.21	34.1	136.4	1.121	1492.4	0.00
420.	417.2	8.854	8.808	34.539	26.788	26.780	44.135	95.1	2.19	33.6	133.5	1.148	1492.0	2.23
440.	437.0	8.601	8.554	34.536	26.825	26.818	44.194	94.3	2.17	33.2	130.2	1.174	1491.4	2.47
460.	456.9	8.320	8.272	34.541	26.873	26.865	44.266	93.7	2.15	32.7	125.8	1.200	1490.7	3.27
480.	476.7	8.159	8.109	34.554	26.908	26.900	44.315	91.2	2.10	31.7	122.7	1.225	1490.4	3.50
500.	496.6	7.988	7.936	34.563	26.941	26.933	44.363	90.1	2.07	31.3	119.8	1.249	1490.1	2.14
550.	546.2	7.653	7.598	34.571	26.996	26.988	44.448	88.8	2.04	30.6	115.0	1.308	1489.7	2.40
600.	595.7	7.384	7.325	34.577	27.040	27.032	44.516	88.9	2.05	30.4	111.4	1.365	1489.5	1.07
650.	645.3	6.955	6.893	34.577	27.100	27.092	44.615	90.1	2.07	30.5	106.0	1.419	1488.6	1.38
700.	694.9	6.499	6.434	34.582	27.166	27.158	44.723	90.4	2.08	30.3	99.9	1.470	1487.7	2.47
750.	744.4	6.188	6.120	34.581	27.207	27.198	44.792	91.2	2.10	30.4	96.3	1.519	1487.3	2.62
800.	793.9	5.822	5.752	34.584	27.255	27.246	44.875	93.2	2.14	30.8	91.8	1.566	1486.7	0.87
850.	843.5	5.428	5.355	34.588	27.307	27.298	44.964	94.2	2.17	30.8	86.9	1.610	1485.9	0.62
fin	883.	876.1	5.361	5.286	34.587	27.314	27.305	44.979	95.0	2.18	86.4	1.638	1486.2	0.00

Vitesse verticale moyenne du son entre 2. et 883. dbar : 1498.7 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

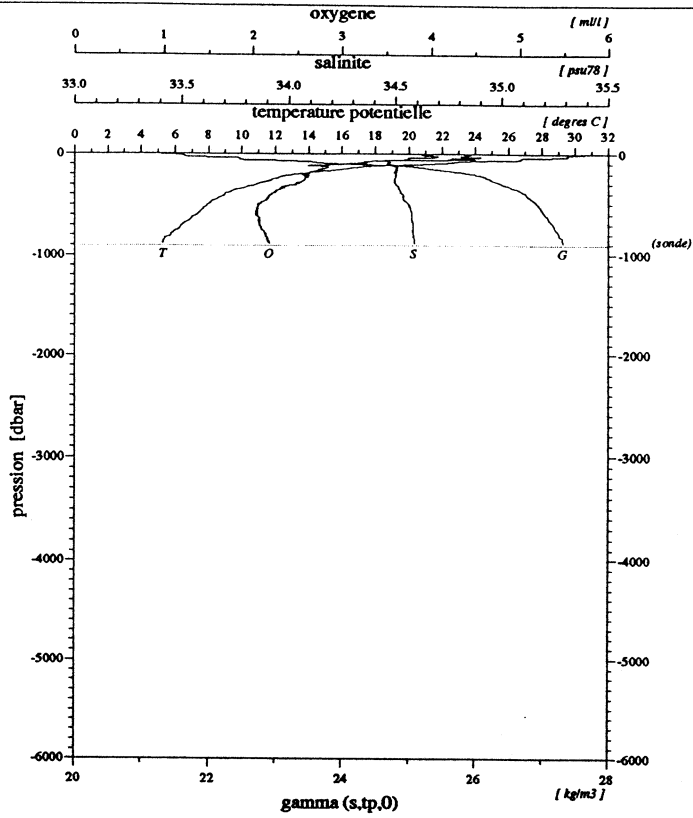


Diagramme salinite / oxygene

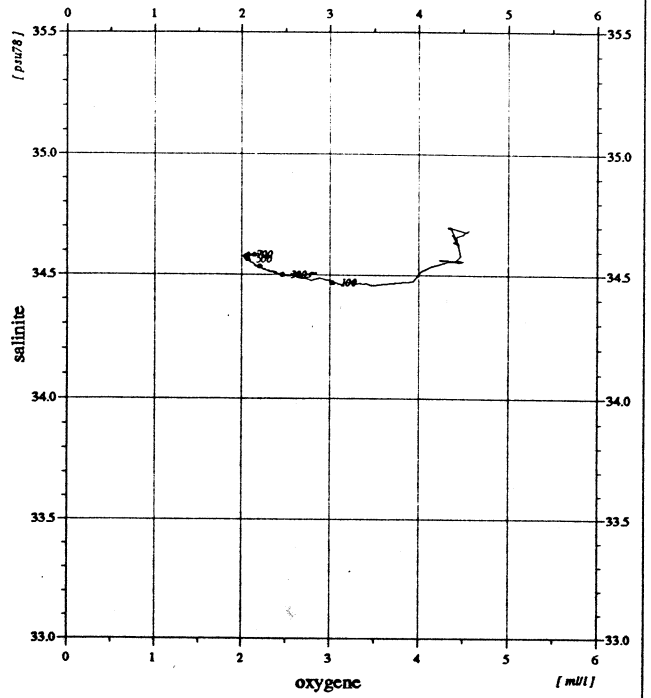


Diagramme temperature potentielle / salinite

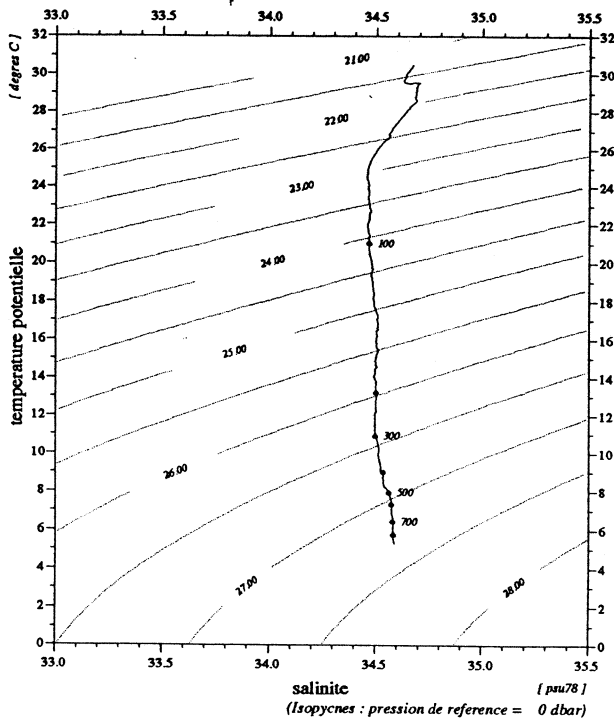
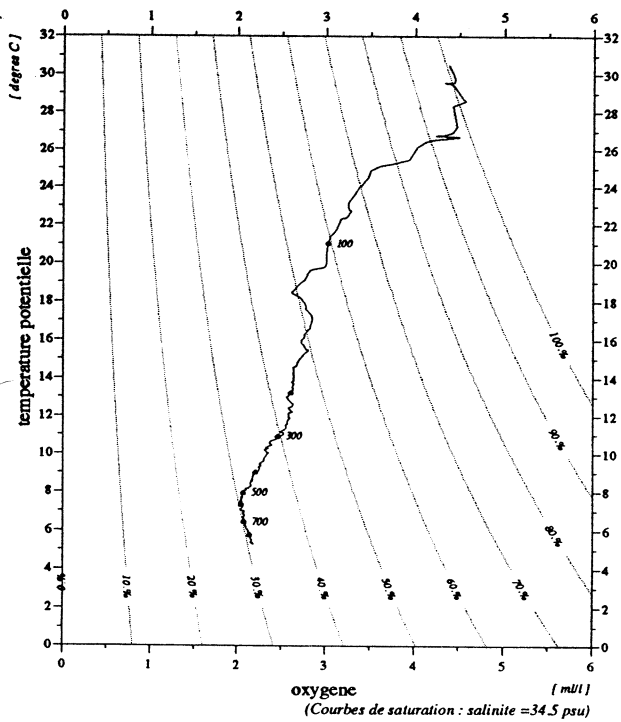


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	883.
temperature	30.531	5.361
theta	30.531	5.286
salinite	34.667	34.587
gamma (s,tp,0)	21.297	27.315
oxygene	4.37	2.18

Niveaux reduits a -1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 899 m ( 906 dbar)	
16- 3-1992	10.22' 7 S
7.29 tu	121.34' 3 E

MD71/JADE2

Station 46.20

94/01/24  
13:47:04

STATION-4630

1

JADE 92

station : 46.30

donnees reduites a 10 dbar

le 16/ 3/1992 a 12.12 tu -10.2303 121.3407 sonde: 907 m ( 914.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.721	29.721	34.622	21.540	21.538	37.593	197.3	4.51	102.7	625.5	0.000	1544.7	0.00
10.	9.9	29.756	29.753	34.618	21.526	21.523	37.578	202.7	4.64	105.6	627.2	0.050	1544.9	0.00
20.	19.9	29.240	29.235	34.641	21.718	21.715	37.792	205.9	4.71	106.4	609.3	0.112	1544.0	11.80
30.	29.8	29.129	29.122	34.676	21.783	21.778	37.860	203.5	4.66	105.0	603.6	0.173	1543.9	6.66
40.	39.8	28.066	28.057	34.652	22.117	22.111	38.242	193.4	4.43	98.1	572.1	0.231	1541.8	8.49
50.	49.7	26.478	26.467	34.534	22.538	22.532	38.740	185.3	4.24	91.5	532.2	0.287	1538.2	13.06
60.	59.7	25.235	25.222	34.480	22.883	22.877	39.147	149.6	3.43	72.4	499.6	0.338	1535.4	7.08
70.	69.6	23.328	23.313	34.462	23.437	23.431	39.800	138.4	3.17	64.8	446.9	0.385	1530.9	8.66
80.	79.5	22.308	22.292	34.470	23.735	23.729	40.153	137.5	3.15	63.3	418.8	0.428	1528.4	5.91
90.	89.5	21.778	21.760	34.466	23.881	23.874	40.328	136.3	3.12	62.1	405.2	0.469	1527.2	7.41
100.	99.4	20.167	20.149	34.463	24.314	24.308	40.854	124.6	2.86	55.2	364.1	0.508	1523.0	13.85
110.	109.3	18.713	18.693	34.487	24.708	24.702	41.335	117.2	2.69	50.6	326.8	0.542	1519.1	9.41
120.	119.3	17.642	17.622	34.498	24.981	24.975	41.675	121.0	2.78	51.2	301.0	0.574	1516.2	13.71
130.	129.2	16.990	16.968	34.506	25.144	25.138	41.881	126.4	2.90	52.8	285.7	0.603	1514.4	3.61
140.	139.2	16.663	16.640	34.503	25.218	25.212	41.977	122.5	2.81	50.9	278.8	0.631	1513.6	5.33
150.	149.1	16.202	16.178	34.499	25.323	25.316	42.112	119.7	2.75	49.3	269.2	0.659	1512.3	6.84
160.	159.0	15.597	15.572	34.497	25.458	25.452	42.289	120.5	2.77	49.0	256.5	0.685	1510.6	8.99
170.	169.0	15.118	15.093	34.505	25.570	25.564	42.434	117.0	2.69	47.1	246.0	0.710	1509.3	0.00
180.	178.9	14.840	14.813	34.507	25.633	25.626	42.516	118.7	2.73	47.6	240.2	0.734	1508.6	5.22
190.	188.8	14.544	14.516	34.501	25.693	25.686	42.597	114.5	2.63	45.6	234.8	0.758	1507.8	4.75
200.	198.8	14.089	14.060	34.502	25.791	25.784	42.727	115.4	2.65	45.6	225.6	0.781	1506.5	4.91
220.	218.6	13.621	13.589	34.503	25.889	25.882	42.860	113.9	2.62	44.6	216.7	0.825	1505.3	5.50
240.	238.5	12.681	12.649	34.501	26.077	26.070	43.117	111.3	2.56	42.7	199.0	0.867	1502.5	4.87
260.	258.4	12.126	12.092	34.503	26.186	26.179	43.269	112.0	2.57	42.5	189.0	0.905	1501.0	0.88
280.	278.2	11.614	11.579	34.496	26.278	26.271	43.400	110.2	2.53	41.4	180.5	0.942	1499.5	4.55
298.	296.1	11.085	11.048	34.504	26.381	26.374	43.545	97.5	2.24	36.2	170.9	0.974	1498.0	2.97
320.	317.9	10.555	10.516	34.514	26.484	26.477	43.690	99.4	2.29	36.5	161.4	1.010	1496.5	2.90
340.	337.8	10.230	10.190	34.518	26.543	26.536	43.776	97.5	2.24	35.5	156.0	1.042	1495.7	2.62
360.	357.6	9.725	9.684	34.521	26.632	26.625	43.906	97.2	2.23	35.0	147.7	1.072	1494.2	2.70
380.	377.5	9.268	9.226	34.529	26.713	26.706	44.025	94.2	2.16	33.6	140.1	1.101	1492.9	1.75
400.	397.3	9.112	9.068	34.539	26.746	26.739	44.071	94.1	2.16	33.5	137.2	1.129	1492.6	1.24
420.	417.2	8.846	8.800	34.541	26.791	26.784	44.139	92.8	2.13	32.8	133.2	1.156	1492.0	2.31
440.	437.0	8.570	8.523	34.541	26.834	26.827	44.206	91.9	2.11	32.3	129.3	1.182	1491.3	1.96
460.	456.9	8.273	8.225	34.549	26.886	26.878	44.283	91.1	2.10	31.8	124.5	1.207	1490.5	2.83
480.	476.7	8.080	8.030	34.563	26.926	26.919	44.340	89.5	2.06	31.1	120.8	1.232	1490.1	1.75
500.	496.6	7.810	7.760	34.570	26.972	26.964	44.409	88.5	2.04	30.6	116.6	1.255	1489.4	3.33
550.	546.2	7.408	7.354	34.576	27.036	27.028	44.509	88.3	2.03	30.2	111.0	1.312	1488.7	1.52
600.	595.7	7.010	6.952	34.575	27.091	27.083	44.600	89.4	2.06	30.3	106.2	1.367	1488.0	3.15
650.	645.3	6.757	6.696	34.579	27.129	27.121	44.662	89.5	2.06	30.2	103.0	1.419	1487.9	1.24
700.	694.9	6.323	6.259	34.583	27.190	27.181	44.762	89.8	2.07	30.0	97.4	1.469	1487.0	1.86
750.	744.4	6.087	6.020	34.583	27.221	27.212	44.815	91.6	2.11	30.4	94.8	1.517	1486.9	1.07
800.	793.9	5.813	5.743	34.585	27.257	27.248	44.878	92.4	2.12	30.5	91.6	1.564	1486.6	1.24
850.	843.5	5.422	5.349	34.588	27.307	27.298	44.965	93.3	2.15	30.5	86.8	1.609	1485.9	0.00
fin 859.	852.4	5.412	5.339	34.588	27.309	27.300	44.968	93.6	2.15	30.6	86.7	1.617	1486.0	1.64

Vitesse verticale moyenne du son entre 2. et 859. dbar : 1499.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

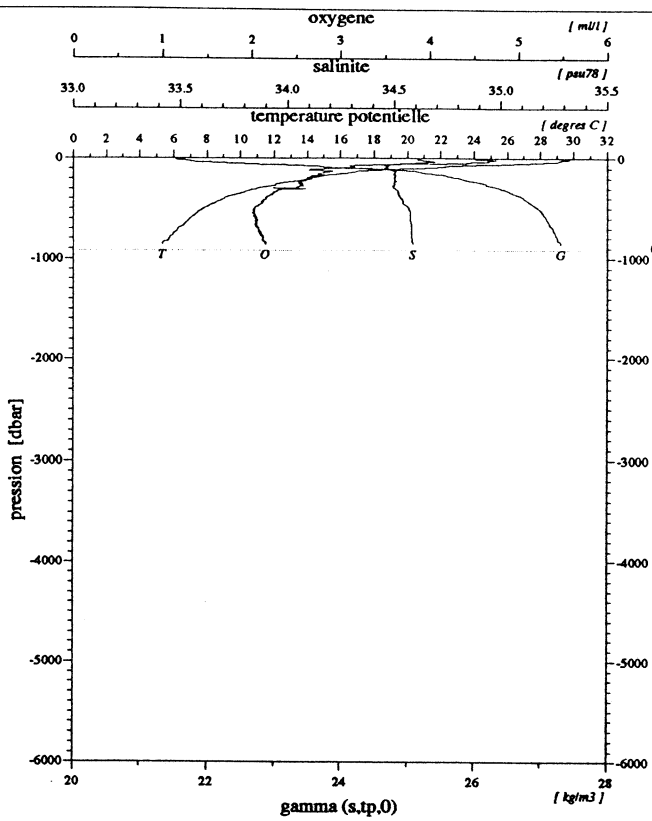


Diagramme salinite / oxygene

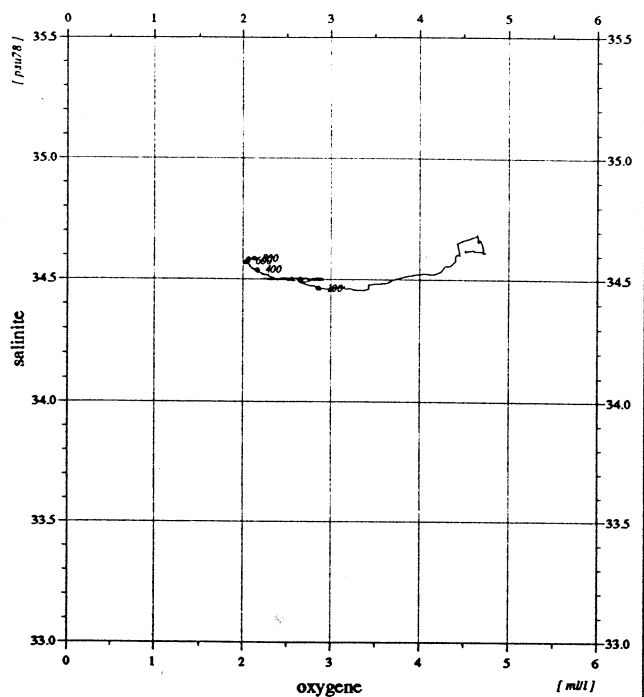


Diagramme temperature potentielle / salinite

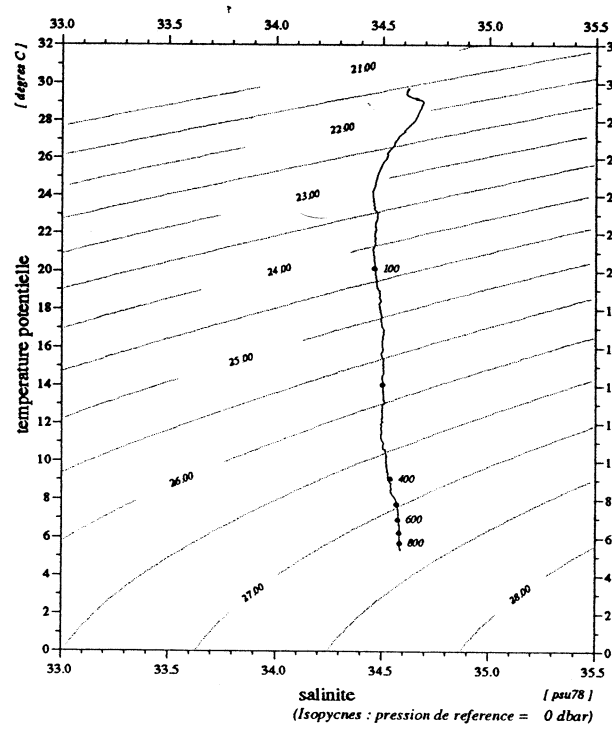
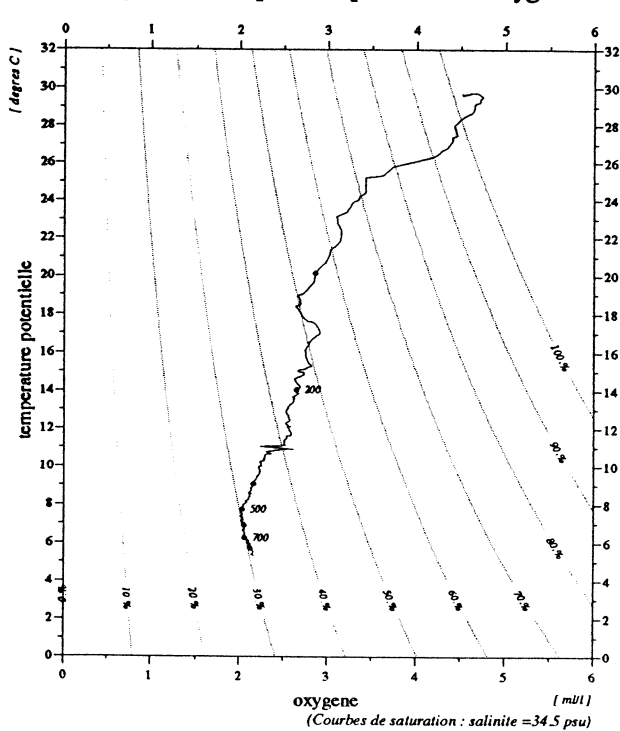


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	859.
temperature	29.721	5.412
theta	29.721	5.339
salinite	34.622	34.588
gamma (s,tp,0)	21.540	27.309
oxygene	4.51	2.15

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 907 m ( 914 dbar)	
16- 3-1992	10.23' 0 S
12.12 tu	121.34' 0 E

MD71/JADE2

Station 46.30

94/01/24  
13:47:07

STATION-4640

1

JADE 92

station : 46.40

donnees reduites a 10 dbar

le 16/ 3/1992 a 19.46 tu -10.2321 121.3386 sonde: 914 m ( 921.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.376	30.376	34.704	21.378	21.375	37.401	186.8	4.27	98.3	641.1	0.000	1546.1	0.00
10.	9.9	30.123	30.121	34.670	21.440	21.437	37.475	188.9	4.32	99.0	635.5	0.051	1545.7	8.86
20.	19.9	28.138	28.133	34.580	22.037	22.034	38.161	195.5	4.47	99.2	578.7	0.113	1541.5	14.69
30.	29.8	26.746	26.739	34.551	22.465	22.460	38.653	191.8	4.39	95.2	538.3	0.168	1538.5	9.08
40.	39.8	26.029	26.020	34.503	22.654	22.649	38.878	183.4	4.20	89.9	520.6	0.221	1537.0	8.40
50.	49.7	23.952	23.941	34.430	23.229	23.224	39.559	143.0	3.28	67.7	466.0	0.272	1532.1	16.84
60.	59.7	22.710	22.698	34.461	23.613	23.608	40.009	142.1	3.26	65.9	429.6	0.315	1529.1	3.67
70.	69.6	22.643	22.629	34.462	23.633	23.628	40.033	141.1	3.23	65.3	428.1	0.358	1529.1	1.39
80.	79.5	22.499	22.483	34.461	23.674	23.668	40.082	138.3	3.17	63.9	424.6	0.401	1528.9	3.10
90.	89.5	21.654	21.637	34.451	23.903	23.897	40.358	131.3	3.01	59.7	403.1	0.442	1526.9	8.80
100.	99.4	19.230	19.213	34.465	24.559	24.553	41.155	116.3	2.67	50.7	340.6	0.479	1520.4	14.31
110.	109.3	17.947	17.928	34.486	24.897	24.891	41.572	116.3	2.67	49.5	308.6	0.512	1516.9	3.77
120.	119.3	17.492	17.472	34.490	25.011	25.005	41.715	115.6	2.65	48.8	298.1	0.542	1515.7	4.42
130.	129.2	17.140	17.119	34.495	25.100	25.093	41.827	119.9	2.75	50.2	289.9	0.571	1514.8	5.94
140.	139.2	16.899	16.876	34.500	25.160	25.154	41.904	122.7	2.82	51.2	284.4	0.600	1514.3	4.15
150.	149.1	16.319	16.295	34.493	25.291	25.284	42.073	119.7	2.75	49.3	272.2	0.628	1512.7	5.91
160.	159.0	15.763	15.738	34.497	25.421	25.414	42.240	118.7	2.72	48.4	260.0	0.654	1511.1	4.83
170.	169.0	15.486	15.460	34.501	25.486	25.480	42.325	118.6	2.72	48.1	254.0	0.680	1510.4	3.66
180.	178.9	15.074	15.047	34.494	25.572	25.565	42.439	116.8	2.68	47.0	246.1	0.705	1509.3	6.81
190.	188.8	14.401	14.373	34.491	25.716	25.709	42.630	114.0	2.62	45.3	232.6	0.729	1507.3	5.54
200.	198.8	14.040	14.011	34.495	25.796	25.789	42.736	115.0	2.64	45.3	225.1	0.752	1506.3	3.09
220.	218.6	13.188	13.157	34.499	25.974	25.967	42.976	109.7	2.52	42.5	208.5	0.796	1503.9	4.95
240.	238.5	12.649	12.616	34.497	26.079	26.073	43.122	109.8	2.52	42.1	198.8	0.836	1502.4	2.48
260.	258.4	12.158	12.124	34.494	26.173	26.166	43.254	110.9	2.55	42.1	190.2	0.875	1501.1	3.55
280.	278.2	11.967	11.931	34.492	26.208	26.201	43.304	110.3	2.53	41.7	187.3	0.913	1500.7	2.32
300.	298.1	11.013	10.976	34.490	26.383	26.376	43.553	107.4	2.47	39.8	170.7	0.949	1497.7	5.90
320.	317.9	10.536	10.498	34.502	26.478	26.471	43.686	102.1	2.35	37.5	161.9	0.983	1496.4	2.55
340.	337.8	10.036	9.996	34.509	26.569	26.562	43.818	99.8	2.29	36.2	153.4	1.015	1495.0	5.46
360.	357.6	9.661	9.620	34.510	26.634	26.627	43.914	98.4	2.26	35.4	147.5	1.045	1493.9	2.55
380.	377.5	9.360	9.318	34.519	26.691	26.683	43.995	97.5	2.24	34.9	142.3	1.074	1493.2	1.75
400.	397.3	9.078	9.034	34.524	26.741	26.733	44.069	95.9	2.20	34.1	137.8	1.102	1492.5	1.38
420.	417.2	8.979	8.934	34.530	26.761	26.754	44.098	95.4	2.19	33.8	136.1	1.129	1492.5	2.31
440.	437.0	8.612	8.565	34.534	26.822	26.814	44.190	94.4	2.17	33.2	130.5	1.156	1491.4	2.40
460.	456.9	8.444	8.396	34.534	26.848	26.840	44.231	94.3	2.17	33.0	128.2	1.182	1491.1	1.86
480.	476.7	8.262	8.212	34.543	26.883	26.875	44.281	92.1	2.12	32.2	125.1	1.207	1490.8	2.14
500.	496.6	8.066	8.014	34.556	26.923	26.915	44.339	91.3	2.10	31.7	121.5	1.232	1490.4	1.24
550.	546.2	7.676	7.620	34.566	26.989	26.981	44.439	89.2	2.05	30.7	115.7	1.291	1489.8	1.07
600.	595.7	7.267	7.208	34.570	27.051	27.043	44.537	89.7	2.06	30.6	110.2	1.348	1489.0	2.77
650.	645.3	6.956	6.893	34.570	27.095	27.086	44.610	90.1	2.07	30.5	106.5	1.401	1488.6	2.40
700.	694.9	6.584	6.519	34.577	27.151	27.142	44.700	90.2	2.07	30.3	101.4	1.453	1488.0	1.24
750.	744.4	6.224	6.155	34.578	27.200	27.191	44.782	91.4	2.10	30.5	97.0	1.503	1487.4	0.62
800.	793.9	5.890	5.819	34.577	27.242	27.233	44.856	92.6	2.13	30.6	93.2	1.551	1486.9	2.31
850.	843.5	5.615	5.541	34.579	27.278	27.268	44.918	93.7	2.15	30.8	89.9	1.596	1486.7	3.03
fin 893.	886.0	5.366	5.289	34.589	27.315	27.306	44.979	95.3	2.19	31.1	86.5	1.634	1486.4	3.91

Vitesse verticale moyenne du son entre 2. et 893. dbar : 1498.6 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

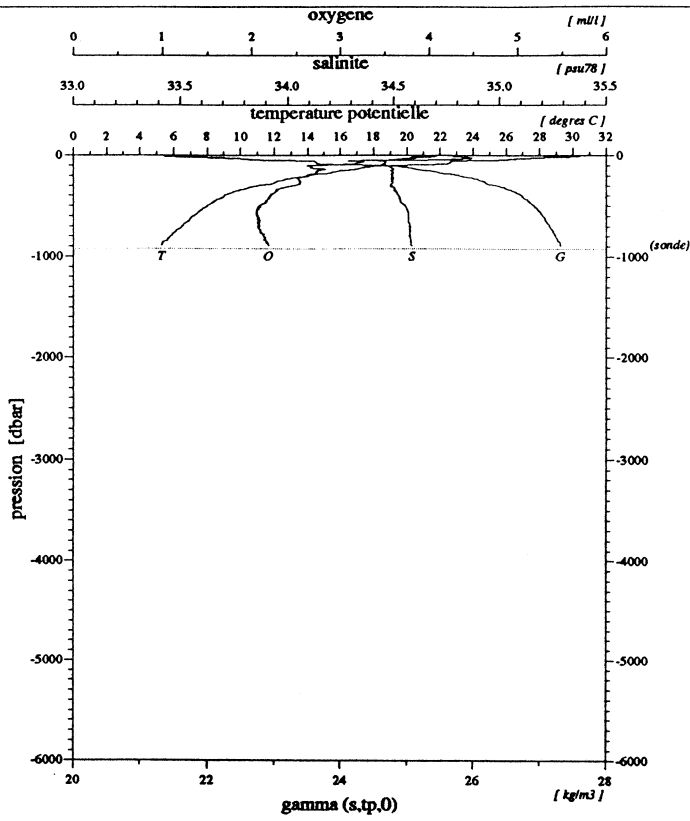


Diagramme salinite / oxygene

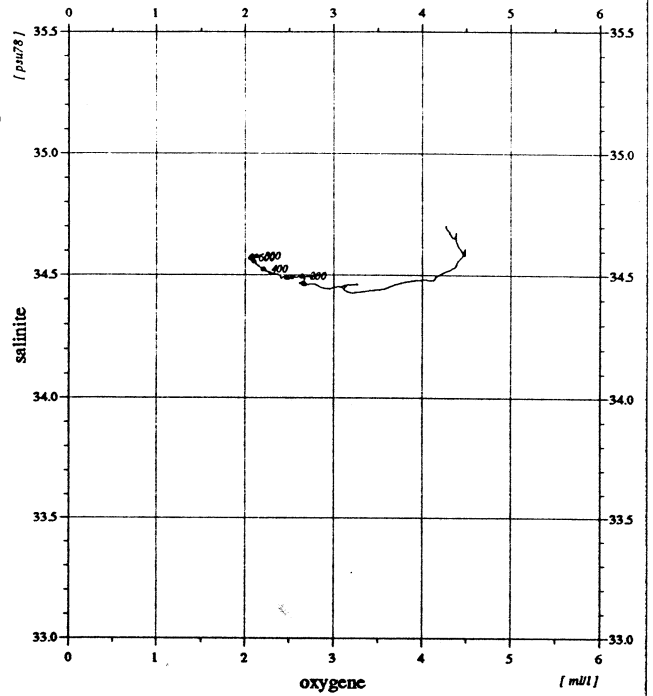


Diagramme temperature potentielle / salinite

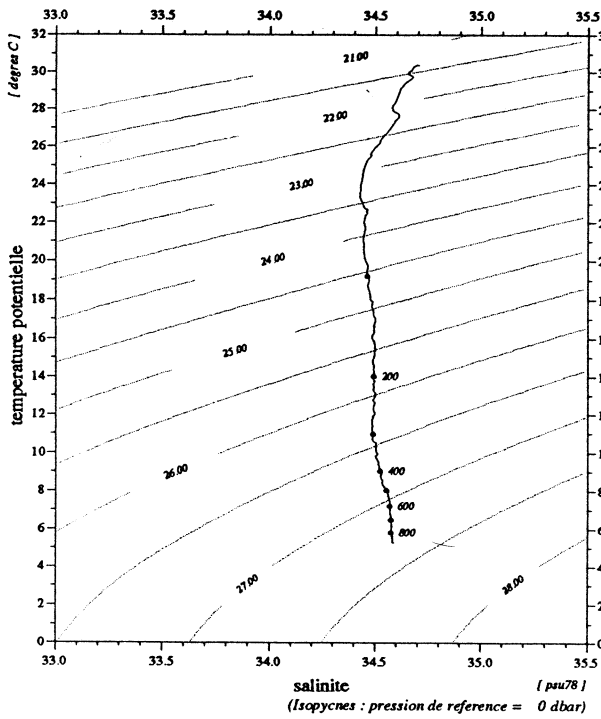
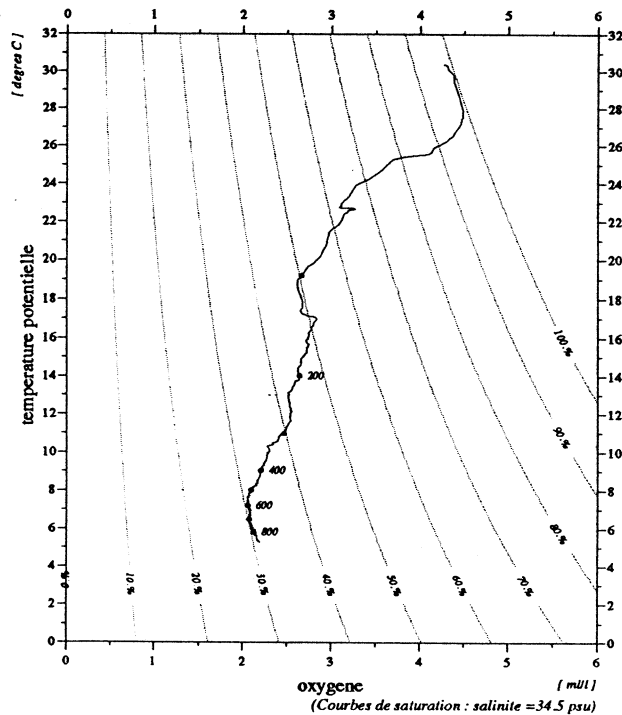


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	893
temperature	30.376	5.366
theta	30.376	5.289
salinite	34.704	34.589
gamma (s,tp,0)	21.378	27.315
oxygene	4.27	2.19

Niveaux reduits a 1 dbar  
 Bathysonde : NEUF-BROWN type Mark III no 01-1116  
 01/02/94

sonde 914 m ( 921 dbar)	
16-3-1992	10.23' 2 S
19.46 tu	121.33' 8 E

MD71/JADE2

Station 46.40

94/01/24  
13:47:00

STATION-4710

1

JADE 92

station : 47.10

donnees reduites a 10 dbar

le 16/ 3/1992 a 9.54 tu -10.2792 121.4757 sonde: 397 m ( 400.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.352	29.352	34.690	21.716	21.713	37.783	199.5	4.57	103.4	608.7	0.000	1544.0	0.00
11.	10.9	29.322	29.319	34.697	21.732	21.729	37.801	200.0	4.58	103.6	607.5	0.055	1544.1	2.51
20.	19.9	28.502	28.497	34.649	21.970	21.966	38.075	200.6	4.59	102.5	585.3	0.108	1542.4	8.07
30.	29.8	26.775	26.768	34.507	22.423	22.418	38.611	174.3	3.99	86.5	542.3	0.166	1538.6	21.36
40.	39.8	25.136	25.128	34.471	22.904	22.900	39.173	163.3	3.74	78.9	496.6	0.218	1534.8	9.81
51.	50.7	23.948	23.937	34.470	23.261	23.256	39.590	148.6	3.40	70.3	463.0	0.271	1532.1	14.07
60.	59.7	23.253	23.241	34.470	23.464	23.459	39.830	144.5	3.31	67.6	443.9	0.312	1530.5	8.45
70.	69.6	21.732	21.718	34.472	23.896	23.891	40.346	134.9	3.09	61.5	402.9	0.354	1526.7	10.51
80.	79.5	21.095	21.080	34.472	24.072	24.066	40.557	132.6	3.04	59.7	386.5	0.394	1525.2	14.53
90.	89.5	19.299	19.283	34.480	24.552	24.547	41.144	126.7	2.91	55.3	340.9	0.431	1520.4	9.02
100.	99.4	18.776	18.759	34.488	24.692	24.687	41.316	125.2	2.87	54.1	327.9	0.464	1519.1	4.72
110.	109.3	18.220	18.201	34.495	24.837	24.831	41.495	124.0	2.85	53.0	314.4	0.496	1517.7	5.18
120.	119.3	17.135	17.116	34.492	25.098	25.092	41.825	122.8	2.82	51.4	289.8	0.526	1514.6	11.70
130.	129.2	15.986	15.966	34.502	25.373	25.367	42.177	124.7	2.86	51.1	263.7	0.554	1511.3	6.00
140.	139.2	15.664	15.642	34.507	25.450	25.445	42.276	123.7	2.84	50.4	256.5	0.580	1510.5	2.55
150.	149.1	15.475	15.452	34.509	25.494	25.488	42.333	121.0	2.78	49.1	252.7	0.606	1510.1	5.84
160.	159.0	15.250	15.226	34.509	25.544	25.538	42.398	120.5	2.77	48.7	248.2	0.631	1509.5	4.20
170.	169.0	15.012	14.987	34.509	25.597	25.591	42.468	119.4	2.74	48.0	243.4	0.655	1509.0	1.24
180.	178.9	14.921	14.894	34.510	25.618	25.611	42.495	118.5	2.72	47.6	241.7	0.679	1508.8	2.40
190.	188.8	14.247	14.219	34.501	25.756	25.749	42.681	117.3	2.69	46.5	228.7	0.703	1506.8	7.68
200.	198.8	14.015	13.987	34.506	25.809	25.802	42.750	116.8	2.68	46.0	223.9	0.726	1506.3	3.33
220.	218.6	13.818	13.787	34.501	25.846	25.839	42.803	116.4	2.67	45.7	220.8	0.770	1505.9	2.90
240.	238.5	13.167	13.133	34.505	25.983	25.976	42.987	112.9	2.59	43.7	208.2	0.813	1504.1	4.33
260.	258.4	12.488	12.453	34.500	26.114	26.106	43.169	110.8	2.55	42.3	196.0	0.853	1502.2	4.42
280.	278.2	11.587	11.551	34.500	26.286	26.279	43.410	108.1	2.48	40.5	179.8	0.890	1499.4	2.77
300.	298.1	10.894	10.858	34.503	26.415	26.407	43.594	103.1	2.37	38.1	167.7	0.925	1497.3	4.95
320.	317.9	10.367	10.329	34.505	26.510	26.502	43.731	102.3	2.35	37.4	158.8	0.958	1495.8	0.00
340.	337.8	10.133	10.094	34.512	26.556	26.548	43.796	99.1	2.28	36.0	154.8	0.989	1495.3	1.86
360.	357.6	10.080	10.038	34.513	26.566	26.558	43.811	99.3	2.28	36.1	154.2	1.020	1495.5	1.52
fin	376.	373.5	10.041	9.997	34.519	26.577	43.826	99.6	2.29	36.2	153.4	1.045	1495.6	1.24

Vitesse verticale moyenne du son entre 2. et 376. dbar : 1511.4 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

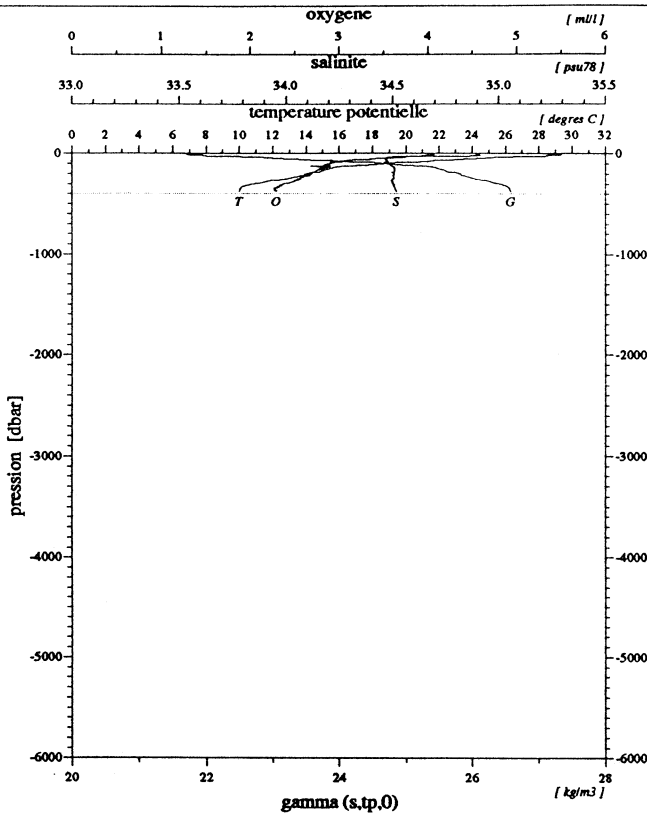


Diagramme salinite / oxygene

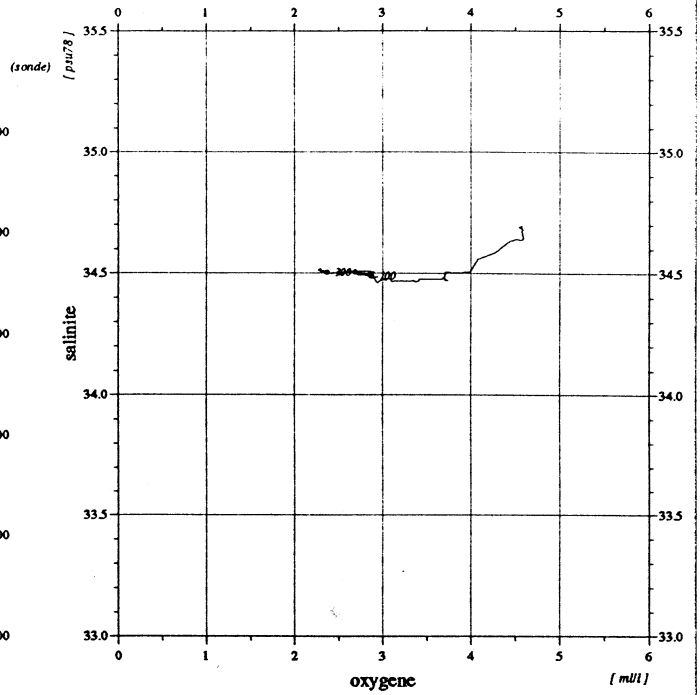


Diagramme temperature potentielle / salinite

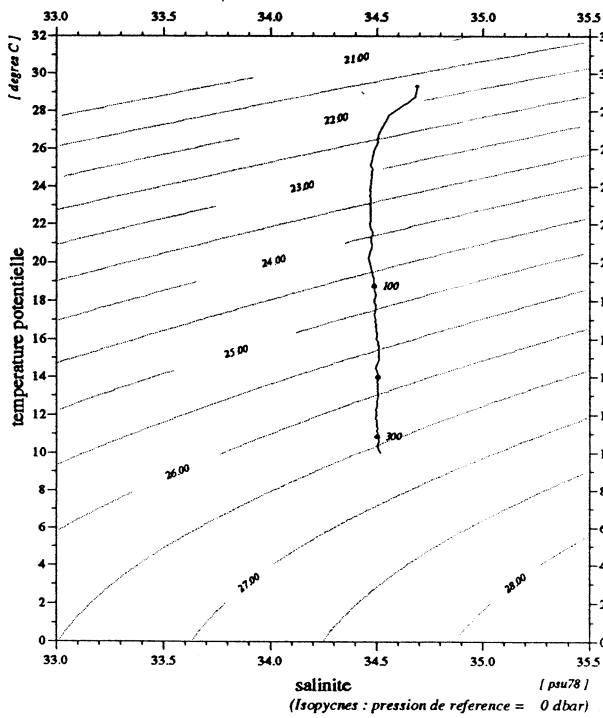
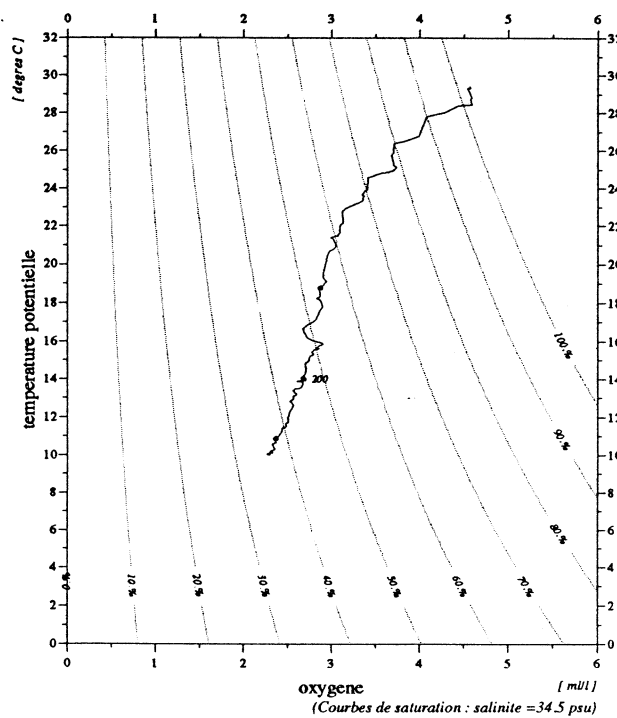


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	376.
temperature	29.352	10.041
theta	29.352	9.997
salinite	34.690	34.519
gamma (s,tp,0)	21.716	26.577
oxygene	4.57	2.29

Niveaux reduits a 1 dbar  
 Bathysonde : NEE-BROWN type Mark III no 01-1116  
 01/02/94

sonde 397 m ( 400 dbar)	
16- 3-1992	10.27' 9 S
9.54 tu	121.47' 5 E

MD71/JADE2

Station 47.10

94/01/24  
13:47:14

STATION-4810

1

JADE 92

station : 48.10

donnees reduites a 10 dbar

le 17/ 3/1992 a 9.48 tu -8.5920 120.1590 sonde: 744 m ( 750.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
3.	3.0	30.628	30.628	34.543	21.171	21.168	37.186	201.7	4.61	106.5	661.0	0.000	1546.5	0.00	
9.	8.9	30.330	30.328	34.565	21.290	21.287	37.318	202.5	4.63	106.4	649.8	0.039	1546.0	5.25	
20.	19.9	29.831	29.826	34.617	21.500	21.496	37.549	194.7	4.45	101.6	630.2	0.109	1545.2	4.86	
31.	30.8	27.743	27.736	34.467	22.082	22.077	38.225	191.3	4.38	96.4	575.0	0.177	1540.7	17.25	
40.	39.8	25.485	25.476	34.445	22.778	22.774	39.031	161.8	3.71	78.6	508.7	0.226	1535.6	8.89	
50.	49.7	25.177	25.166	34.450	22.877	22.872	39.145	168.9	3.87	81.6	499.7	0.276	1535.1	4.11	
60.	59.7	24.985	24.972	34.436	22.926	22.920	39.203	165.9	3.80	79.9	495.5	0.326	1534.8	4.18	
70.	69.6	24.839	24.824	34.462	22.990	22.983	39.274	161.3	3.69	77.5	489.8	0.375	1534.6	4.78	
80.	79.5	24.419	24.402	34.474	23.126	23.119	39.431	154.2	3.53	73.6	477.2	0.423	1533.8	4.29	
90.	89.5	24.219	24.200	34.474	23.185	23.178	39.502	150.9	3.46	71.7	471.9	0.471	1533.4	5.94	
100.	99.4	22.837	22.816	34.455	23.575	23.567	39.964	133.8	3.07	62.1	435.0	0.516	1530.1	5.85	
110.	109.4	22.161	22.139	34.456	23.767	23.760	40.194	138.0	3.16	63.3	416.9	0.558	1528.5	4.38	
120.	119.3	20.511	20.489	34.476	24.234	24.227	40.754	133.6	3.07	59.6	372.6	0.598	1524.3	15.39	
130.	129.2	19.192	19.169	34.492	24.591	24.584	41.190	130.2	2.99	56.7	338.7	0.633	1520.8	4.95	
140.	139.2	18.608	18.583	34.494	24.741	24.733	41.375	128.0	2.94	55.1	324.7	0.667	1519.3	11.65	
150.	149.1	16.711	16.687	34.484	25.193	25.186	41.949	124.7	2.86	51.8	281.6	0.697	1513.9	5.81	
160.	159.0	15.299	15.274	34.496	25.524	25.517	42.375	121.6	2.79	49.2	250.1	0.723	1509.7	8.30	
170.	169.0	14.671	14.646	34.493	25.659	25.653	42.554	122.3	2.81	48.8	237.4	0.748	1507.9	8.99	
180.	178.9	14.201	14.175	34.492	25.759	25.752	42.687	120.3	2.76	47.6	228.1	0.771	1506.5	7.03	
190.	188.8	13.633	13.606	34.490	25.876	25.869	42.845	117.1	2.69	45.8	217.1	0.793	1504.8	4.75	
200.	198.8	12.011	11.985	34.484	26.191	26.186	43.283	112.6	2.59	42.6	186.8	0.813	1499.5	5.53	
220.	218.6	11.374	11.347	34.503	26.326	26.320	43.466	107.0	2.46	40.0	174.4	0.849	1497.7	3.55	
240.	238.5	10.415	10.387	34.511	26.504	26.498	43.720	102.2	2.35	37.4	157.5	0.882	1494.7	0.88	
260.	258.4	10.229	10.199	34.518	26.542	26.536	43.773	101.1	2.32	36.8	154.3	0.913	1494.3	1.64	
280.	278.2	10.186	10.153	34.518	26.550	26.544	43.785	99.6	2.29	36.3	154.0	0.944	1494.5	1.24	
300.	298.1	9.693	9.659	34.525	26.639	26.633	43.915	97.2	2.23	35.0	145.7	0.974	1493.1	2.05	
320.	318.0	9.505	9.469	34.552	26.692	26.685	43.983	93.2	2.14	33.4	141.0	1.002	1492.8	0.62	
340.	337.8	9.491	9.453	34.552	26.694	26.687	43.986	92.3	2.12	33.1	141.2	1.030	1493.0	0.62	
360.	357.7	9.468	9.427	34.549	26.696	26.689	43.991	92.8	2.13	33.3	141.4	1.059	1493.3	0.00	
380.	377.5	9.313	9.271	34.571	26.739	26.732	44.046	89.4	2.06	31.9	137.7	1.087	1493.1	3.33	
400.	397.4	9.282	9.238	34.589	26.758	26.750	44.067	86.6	1.99	30.9	136.3	1.114	1493.3	1.86	
420.	417.2	9.137	9.091	34.611	26.799	26.792	44.120	86.3	1.98	30.7	132.7	1.141	1493.1	0.87	
440.	437.1	9.053	9.004	34.642	26.837	26.829	44.165	82.5	1.90	29.3	129.5	1.167	1493.2	0.00	
460.	456.9	9.014	8.963	34.667	26.864	26.855	44.194	80.8	1.86	28.7	127.3	1.193	1493.4	2.55	
480.	476.7	8.837	8.785	34.643	26.873	26.864	44.219	81.8	1.88	28.9	126.7	1.218	1493.1	2.05	
500.	496.6	8.872	8.817	34.680	26.897	26.888	44.240	78.9	1.82	28.0	124.9	1.244	1493.6	1.07	
550.	546.2	8.586	8.527	34.670	26.935	26.926	44.302	78.9	1.81	27.8	122.0	1.305	1493.3	1.24	
600.	595.8	8.212	8.149	34.662	26.987	26.977	44.387	79.0	1.82	27.6	117.6	1.365	1492.7	0.87	
650.	645.3	7.753	7.687	34.655	27.050	27.040	44.491	80.3	1.85	27.7	111.9	1.422	1491.8	0.00	
700.	694.9	7.449	7.379	34.647	27.088	27.077	44.557	80.4	1.85	27.6	108.8	1.477	1491.5	2.40	
fin	727.	721.6	7.013	6.943	34.628	27.134	27.124	44.642	82.9	1.91	28.1	104.2	1.506	1490.2	0.87

Vitesse verticale moyenne du son entre 3. et 727. dbar : 1502.2 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

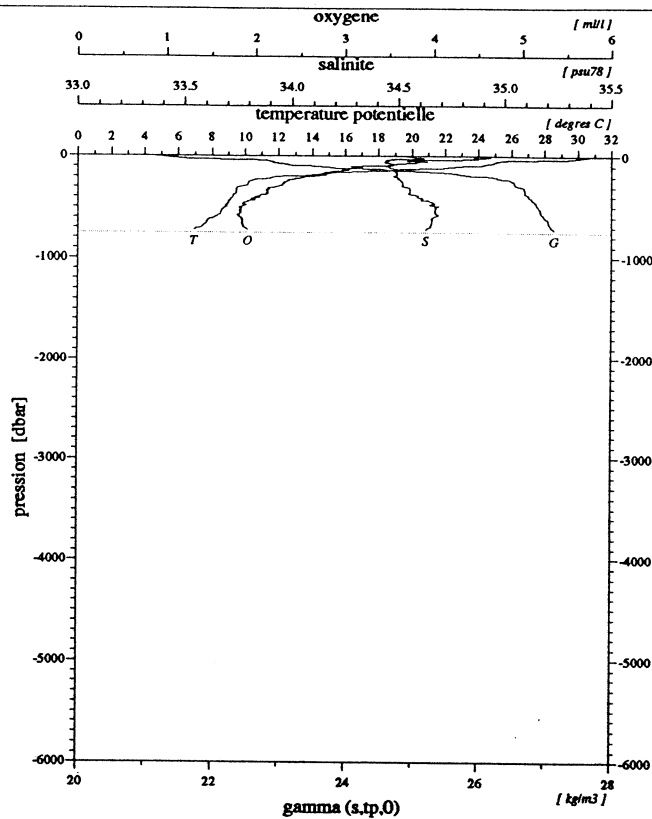


Diagramme salinite / oxygene

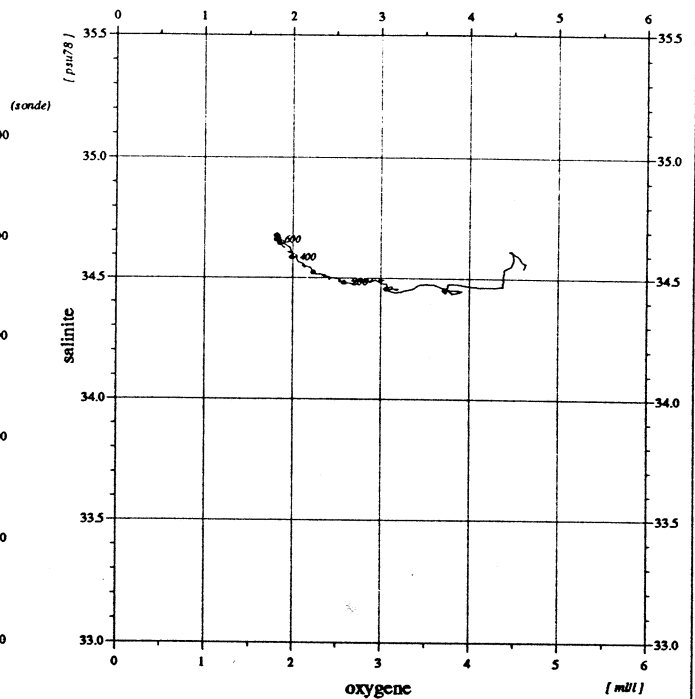


Diagramme temperature potentielle / salinite

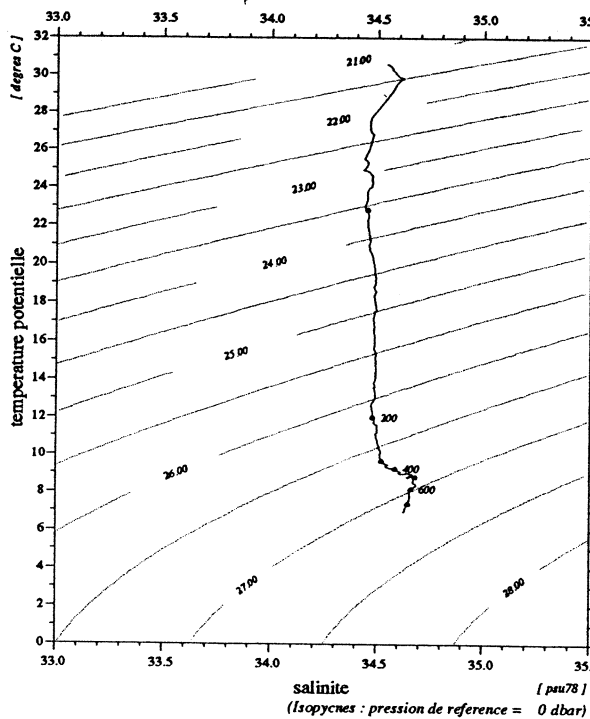
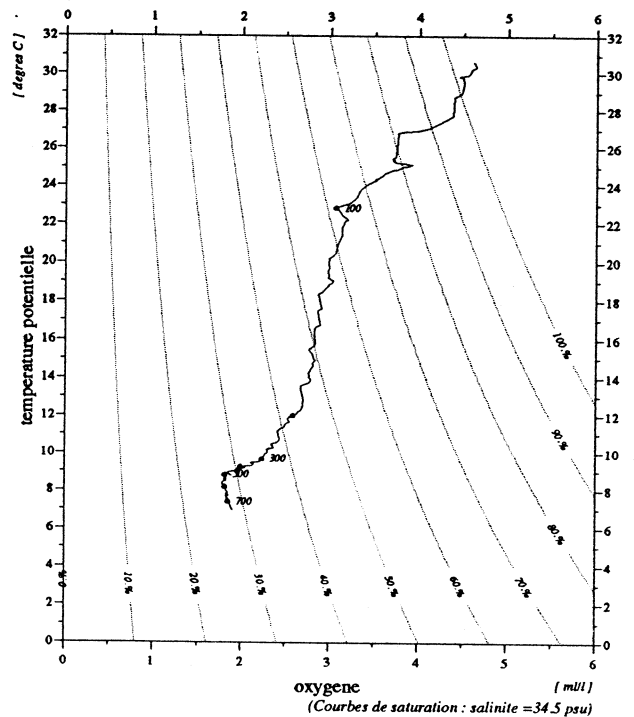


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	727.
temperature	30.628	7.013
theta	30.628	6.943
salinite	34.543	34.628
gamma (s,tp,0)	21.170	27.134
oxygene	4.61	1.91

Niveaux reduits a 1 dbar  
Bathysonde : NEIL-BROWN type Mark III no 01-1116  
01/02/94

sonde 744 m ( 750 dbar)	
17- 3-1992	8.59' 2 S
9.48 tu	120.15' 9 E

MD71/JADE2

Station 48.10

94/01/24  
13:47:43

STATION-4820

1

JADE 92

station : 48.20

donnees reduites a 10 dbar

le 18/ 3/1992 a 4.25 tu -8.5909 120.1557 sonde: 732 m ( 737.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	30.310	30.309	34.495	21.245	21.242	37.275	188.3	4.30	98.9	653.9	0.000	1545.8	0.00	
10.	9.9	29.697	29.695	34.568	21.509	21.506	37.564	189.4	4.33	98.5	628.9	0.051	1544.7	13.99	
20.	19.9	28.846	28.841	34.608	21.825	21.822	37.917	203.1	4.65	104.3	599.1	0.113	1543.1	12.43	
30.	29.8	26.848	26.842	34.494	22.389	22.385	38.574	194.4	4.45	96.6	545.5	0.170	1538.7	8.82	
40.	39.8	26.674	26.665	34.524	22.468	22.463	38.661	196.5	4.50	97.4	538.4	0.224	1538.5	3.67	
50.	49.7	26.257	26.246	34.406	22.510	22.505	38.726	191.3	4.38	94.1	534.8	0.278	1537.6	4.43	
60.	59.7	26.030	26.017	34.348	22.538	22.532	38.766	189.0	4.33	92.6	532.5	0.331	1537.2	3.45	
70.	69.6	24.598	24.583	34.359	22.985	22.978	39.284	164.2	3.76	78.5	490.2	0.383	1533.9	16.16	
80.	79.5	24.133	24.116	34.456	23.197	23.190	39.518	146.8	3.36	69.7	470.3	0.431	1533.0	7.42	
90.	89.5	22.834	22.816	34.457	23.576	23.570	39.966	138.1	3.16	64.1	434.4	0.476	1529.9	7.36	
100.	99.4	21.416	21.396	34.460	23.976	23.969	40.444	137.5	3.15	62.3	396.5	0.517	1526.4	9.97	
110.	109.4	20.548	20.527	34.476	24.223	24.217	40.741	134.5	3.08	60.0	373.2	0.556	1524.2	7.51	
120.	119.3	18.333	18.312	34.487	24.803	24.797	41.454	128.8	2.95	55.2	318.0	0.591	1518.2	8.19	
130.	129.2	17.659	17.637	34.497	24.976	24.970	41.670	129.7	2.98	54.9	301.7	0.622	1516.4	2.14	
140.	139.2	16.800	16.777	34.496	25.181	25.175	41.931	125.2	2.87	52.1	282.4	0.651	1514.0	20.67	
150.	149.1	15.468	15.445	34.499	25.488	25.482	42.327	124.8	2.87	50.6	253.3	0.677	1510.0	5.67	
160.	159.0	13.505	13.482	34.476	25.890	25.885	42.869	115.4	2.65	45.0	214.8	0.701	1503.9	13.32	
170.	169.0	12.857	12.834	34.496	26.036	26.031	43.063	116.4	2.67	44.8	201.0	0.722	1501.9	3.39	
180.	178.9	12.312	12.288	34.498	26.144	26.139	43.212	114.0	2.62	43.4	190.9	0.742	1500.3	4.67	
190.	188.8	12.171	12.146	34.503	26.176	26.170	43.254	111.1	2.55	42.2	188.1	0.761	1500.0	4.24	
200.	198.8	12.134	12.108	34.504	26.184	26.178	43.265	111.9	2.57	42.5	187.6	0.780	1500.0	1.38	
220.	218.6	11.521	11.493	34.504	26.299	26.294	43.428	107.4	2.47	40.2	176.9	0.816	1498.2	4.63	
240.	238.5	10.722	10.693	34.516	26.454	26.448	43.646	103.2	2.37	38.0	162.4	0.850	1495.8	2.32	
260.	258.4	10.207	10.176	34.519	26.546	26.541	43.780	100.5	2.31	36.6	153.9	0.882	1494.3	4.99	
280.	278.2	9.839	9.807	34.531	26.619	26.613	43.882	97.4	2.24	35.2	147.3	0.912	1493.3	1.07	
300.	298.1	9.556	9.522	34.543	26.676	26.670	43.963	94.4	2.17	33.9	142.1	0.941	1492.6	5.97	
320.	318.0	9.435	9.399	34.573	26.719	26.713	44.016	89.9	2.07	32.2	138.3	0.969	1492.5	1.52	
340.	337.8	9.332	9.294	34.578	26.740	26.734	44.045	88.6	2.04	31.7	136.7	0.997	1492.5	2.90	
360.	357.7	9.282	9.242	34.585	26.755	26.748	44.064	89.2	2.05	31.9	135.8	1.024	1492.7	1.86	
380.	377.5	9.264	9.222	34.588	26.760	26.753	44.071	88.4	2.03	31.6	135.7	1.051	1492.9	1.24	
400.	397.4	9.201	9.156	34.580	26.764	26.757	44.081	89.1	2.05	31.8	135.6	1.078	1493.0	0.87	
420.	417.2	8.969	8.923	34.606	26.822	26.814	44.158	86.3	1.98	30.6	130.4	1.105	1492.5	0.00	
440.	437.1	9.000	8.952	34.632	26.838	26.830	44.170	84.5	1.94	30.0	129.3	1.131	1493.0	1.52	
460.	456.9	9.038	8.988	34.664	26.858	26.849	44.186	81.6	1.88	29.0	127.9	1.156	1493.5	0.00	
480.	476.7	8.936	8.884	34.687	26.892	26.883	44.228	79.8	1.84	28.3	125.0	1.182	1493.5	3.50	
500.	496.6	8.798	8.744	34.677	26.906	26.897	44.255	80.0	1.84	28.3	124.0	1.206	1493.3	1.07	
550.	546.2	8.464	8.406	34.682	26.963	26.953	44.340	79.5	1.83	27.9	119.2	1.267	1492.9	2.62	
600.	595.8	7.887	7.825	34.660	27.033	27.024	44.462	81.0	1.86	28.0	112.8	1.325	1491.5	1.64	
650.	645.3	7.573	7.508	34.654	27.075	27.065	44.532	80.4	1.85	27.6	109.3	1.381	1491.1	2.31	
700.	694.9	7.323	7.254	34.650	27.108	27.098	44.588	80.8	1.86	27.6	106.7	1.435	1491.0	1.24	
fin	712.	706.8	7.323	7.253	34.648	27.107	27.096	44.587	81.1	1.87	27.7	107.0	1.447	1491.2	1.24

Vitesse verticale moyenne du son entre 2. et 712. dbar : 1501.5 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

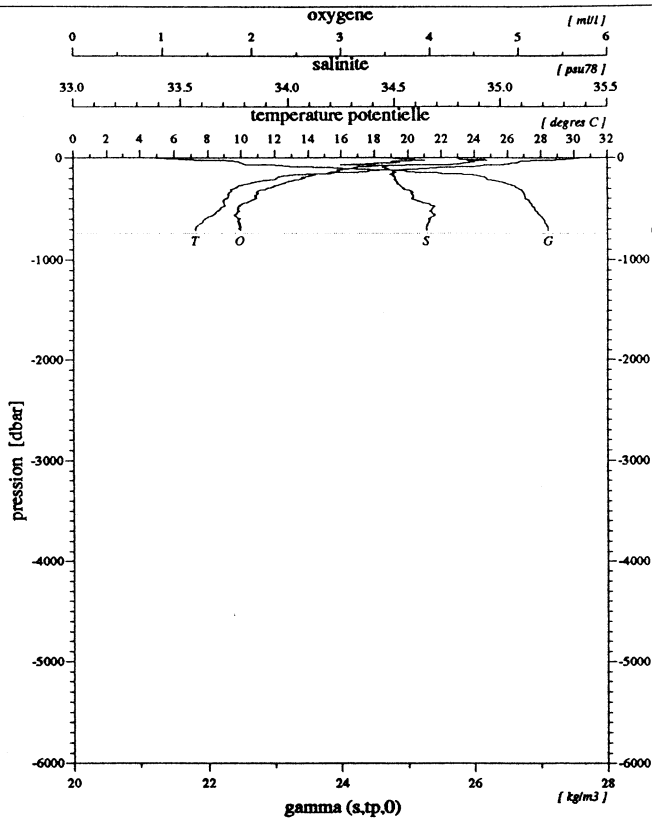


Diagramme salinite / oxygene

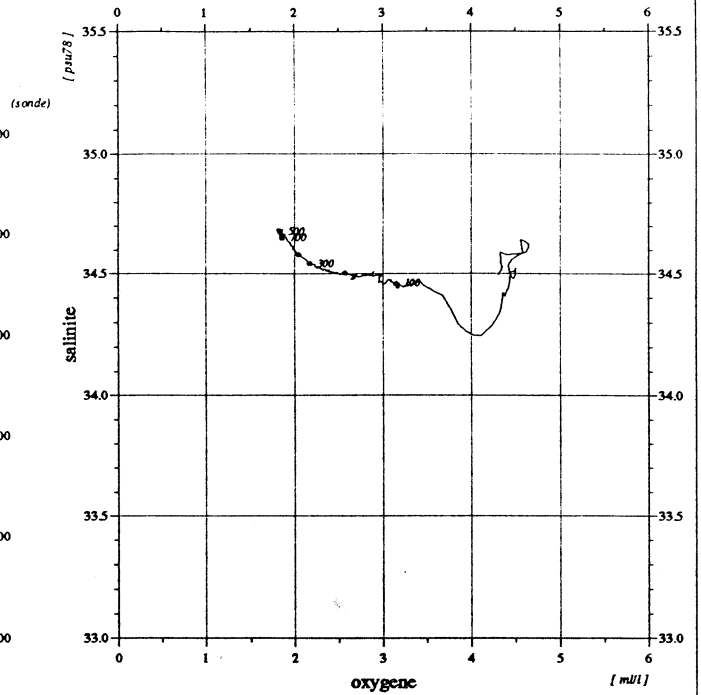


Diagramme temperature potentielle / salinite

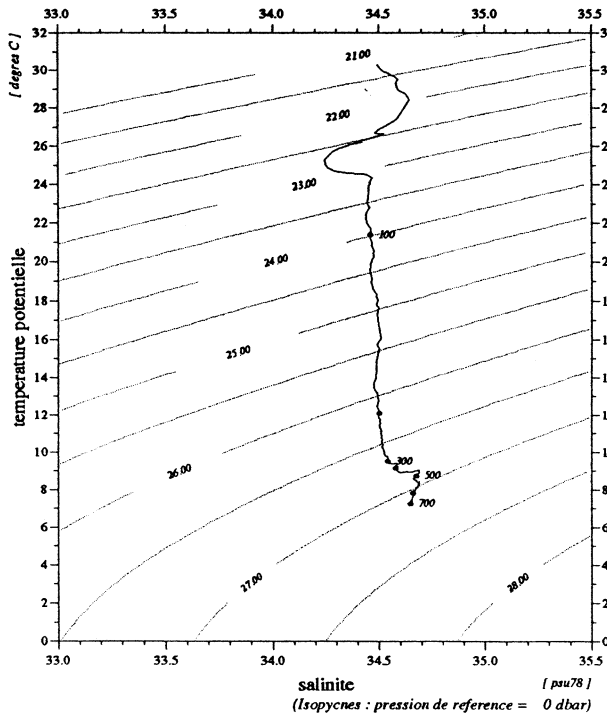
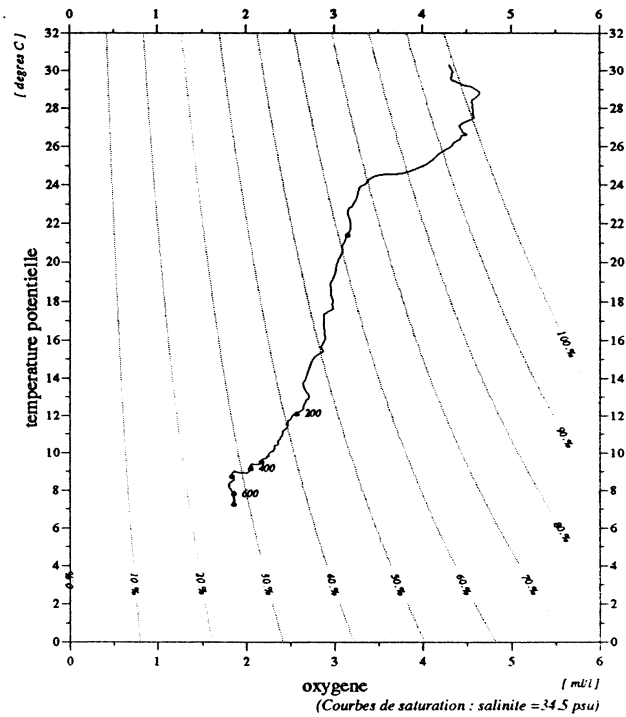


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	712.
temperature	30.310	7.323
theta	30.309	7.253
salinite	34.495	34.648
gamma (s,tp,0)	21.245	27.107
oxygene	4.30	1.87

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 732 m ( 737 dbar)	
18- 3-1992	8.59' 0 S
4.25 tu	120.15' 5 E

MD71/JADE2

Station 48.20

94/01/24  
13:47:52

STATION-4830

1

JADE 92

station : 48.30

donnees reduites a 10 dbar

le 18/ 3/1992 a 11.55 tu -8.5921 120.1602 sonde: 746 m ( 752.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
2.	2.0	30.360	30.359	34.465	21.205	21.202	37.233	187.7	4.29	98.6	657.7	0.000	1545.8	0.00	
10.	9.9	29.605	29.602	34.601	21.565	21.562	37.623	194.7	4.45	101.2	623.6	0.051	1544.5	11.19	
20.	19.9	28.772	28.767	34.605	21.848	21.844	37.942	204.2	4.67	104.7	596.9	0.112	1542.9	9.34	
30.	29.8	27.350	27.343	34.458	22.202	22.197	38.364	186.6	4.27	93.5	563.5	0.170	1539.8	4.96	
40.	39.8	25.510	25.501	34.376	22.719	22.714	38.971	173.3	3.97	84.2	514.4	0.225	1535.6	7.27	
50.	49.7	24.972	24.961	34.286	22.815	22.810	39.097	176.4	4.04	84.8	505.5	0.276	1534.4	5.66	
60.	59.7	24.698	24.686	34.425	23.003	22.998	39.296	162.1	3.71	77.7	488.0	0.325	1534.1	6.73	
70.	69.6	24.371	24.356	34.473	23.138	23.132	39.446	144.1	3.30	68.7	475.5	0.374	1533.5	4.38	
80.	79.5	24.033	24.016	34.466	23.234	23.228	39.560	149.0	3.41	70.6	466.8	0.421	1532.8	2.06	
90.	89.5	22.911	22.893	34.456	23.553	23.546	39.939	138.3	3.17	64.3	436.6	0.466	1530.1	3.97	
100.	99.4	22.366	22.346	34.458	23.710	23.703	40.125	137.6	3.15	63.4	422.0	0.510	1528.9	9.67	
110.	109.4	21.504	21.483	34.468	23.958	23.951	40.422	135.3	3.10	61.4	398.6	0.550	1526.8	4.72	
120.	119.3	20.941	20.918	34.463	24.108	24.101	40.604	130.3	2.99	58.5	384.6	0.589	1525.5	5.33	
130.	129.2	19.430	19.407	34.490	24.528	24.521	41.112	130.6	3.00	57.1	344.7	0.625	1521.5	5.57	
140.	139.2	18.014	17.991	34.486	24.881	24.875	41.553	124.5	2.86	53.0	311.2	0.658	1517.6	9.61	
150.	149.1	16.804	16.780	34.493	25.178	25.172	41.928	123.9	2.84	51.6	283.0	0.687	1514.1	5.61	
160.	159.0	15.526	15.501	34.492	25.470	25.464	42.305	119.5	2.74	48.5	255.3	0.714	1510.4	1.52	
170.	169.0	14.875	14.850	34.487	25.610	25.604	42.491	116.5	2.68	46.7	242.1	0.739	1508.5	8.49	
180.	178.9	12.559	12.534	34.494	26.093	26.088	43.142	111.4	2.56	42.6	195.8	0.760	1501.1	3.45	
190.	188.8	12.113	12.089	34.497	26.182	26.176	43.265	110.6	2.54	42.0	187.5	0.779	1499.7	2.70	
200.	198.8	12.018	11.992	34.499	26.202	26.196	43.292	109.1	2.51	41.3	185.9	0.798	1499.6	3.09	
220.	218.6	11.524	11.496	34.502	26.297	26.291	43.426	104.5	2.40	39.2	177.1	0.834	1498.2	3.55	
240.	238.5	10.836	10.807	34.505	26.425	26.419	43.608	100.6	2.31	37.2	165.2	0.868	1496.2	7.14	
260.	258.4	10.444	10.413	34.513	26.501	26.495	43.716	97.5	2.24	35.7	158.3	0.901	1495.1	4.50	
280.	278.2	10.078	10.045	34.525	26.574	26.568	43.818	94.7	2.18	34.4	151.6	0.931	1494.1	1.38	
300.	298.1	9.834	9.799	34.533	26.622	26.616	43.886	93.4	2.15	33.7	147.4	0.961	1493.6	0.00	
320.	318.0	9.707	9.670	34.535	26.645	26.639	43.920	92.0	2.12	33.2	145.6	0.990	1493.5	1.64	
340.	337.8	9.448	9.410	34.582	26.724	26.718	44.019	86.9	2.00	31.2	138.3	1.019	1492.9	1.38	
360.	357.7	9.390	9.349	34.588	26.739	26.732	44.039	85.6	1.97	30.7	137.3	1.047	1493.0	1.64	
380.	377.5	9.416	9.373	34.624	26.764	26.756	44.061	82.4	1.89	29.5	135.5	1.074	1493.5	1.64	
400.	397.4	9.409	9.364	34.624	26.765	26.757	44.063	82.1	1.89	29.4	135.8	1.101	1493.8	0.00	
420.	417.2	9.333	9.286	34.644	26.793	26.785	44.097	81.2	1.87	29.1	133.5	1.128	1493.9	1.86	
440.	437.1	9.200	9.151	34.644	26.815	26.807	44.130	80.9	1.86	28.9	131.7	1.154	1493.7	1.75	
460.	456.9	8.849	8.799	34.673	26.895	26.886	44.239	78.2	1.80	27.7	124.3	1.180	1492.8	4.99	
480.	476.7	8.797	8.745	34.670	26.901	26.892	44.250	77.9	1.79	27.5	124.0	1.205	1492.9	0.87	
500.	496.6	8.777	8.723	34.667	26.901	26.892	44.252	77.9	1.79	27.5	124.4	1.230	1493.2	0.00	
550.	546.2	8.430	8.371	34.677	26.964	26.955	44.345	77.1	1.77	27.1	119.0	1.290	1492.7	2.55	
600.	595.8	7.982	7.920	34.662	27.021	27.011	44.441	78.1	1.79	27.1	114.1	1.349	1491.9	0.87	
650.	645.3	7.768	7.702	34.655	27.048	27.038	44.487	78.7	1.81	27.2	112.2	1.405	1491.9	1.64	
700.	694.9	7.220	7.152	34.638	27.113	27.103	44.602	80.9	1.86	27.6	106.1	1.460	1490.6	1.07	
fin	734.	728.6	6.915	6.844	34.632	27.150	27.141	44.668	83.4	1.92	28.2	102.6	1.495	1489.9	3.44

Vitesse verticale moyenne du son entre 2. et 734. dbar : 1501.8 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

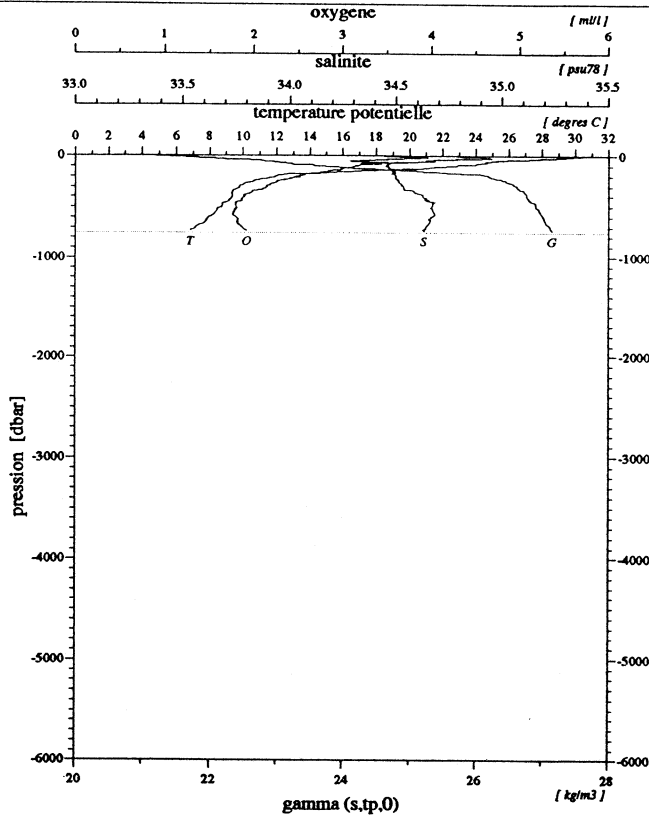


Diagramme salinite / oxygene

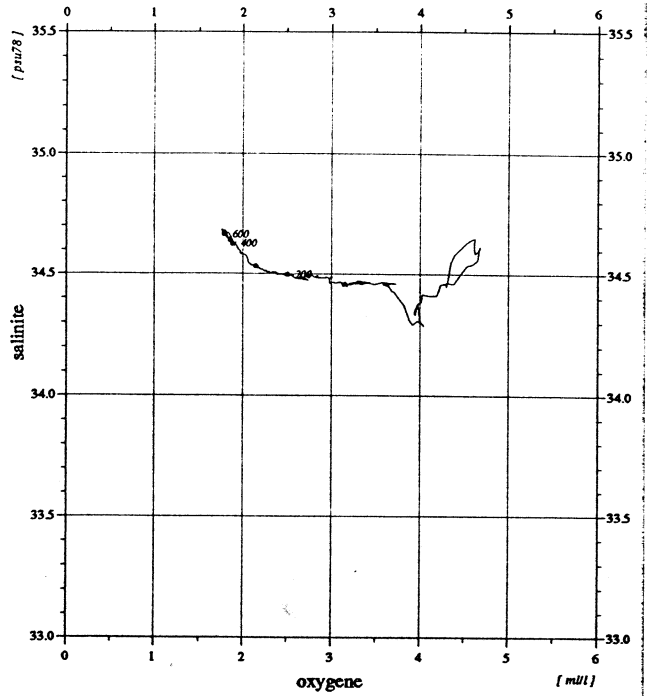


Diagramme temperature potentielle / salinite

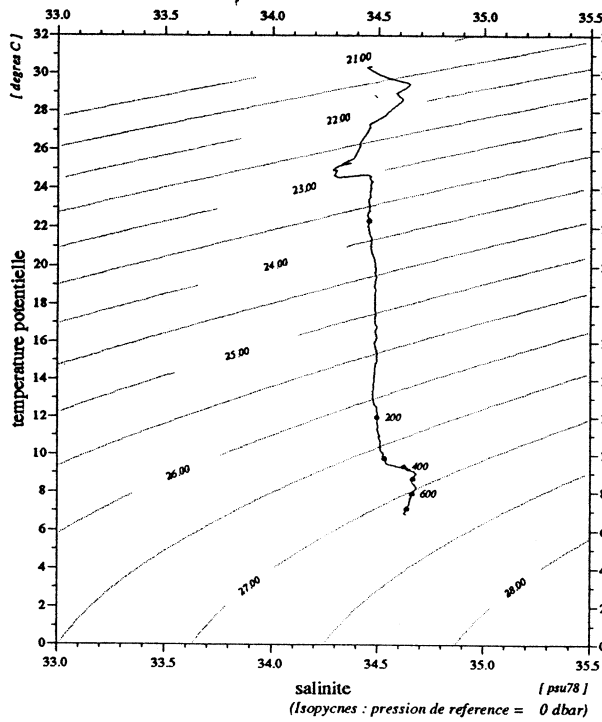
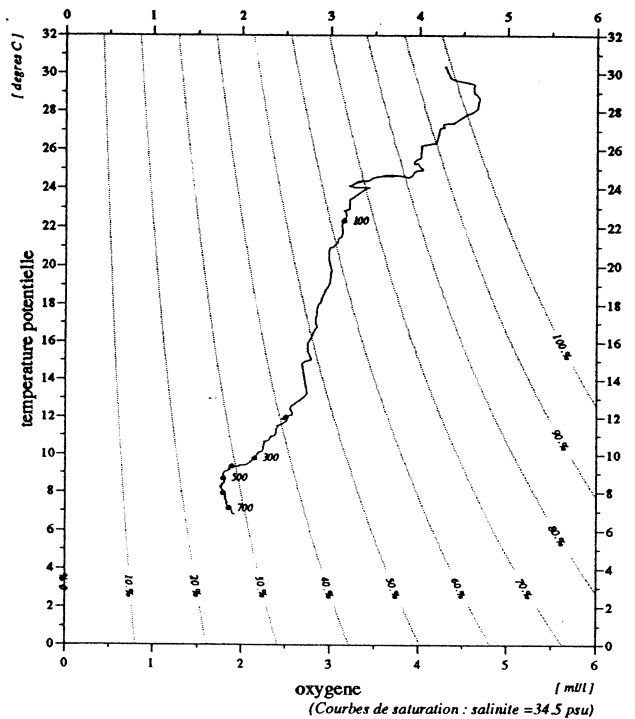


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	734.
temperature	30.360	6.915
theta	30.359	6.844
salinite	34.465	34.632
gamma (s, tp, 0)	21.205	27.150
oxygene	4.29	1.92

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 746 m ( 752 dbar)	
18- 3-1992	8.59' 2 S
11.55 tu	120.16' 0 E

MD71/JADE2

Station 48.30

94/01/24  
13:47:16

STATION-4910

1

JADE 92

station : 49.10

donnees reduites a 10 dbar

le 17/ 3/1992 a 11.18 tu -9.0521 120.1494 sonde: 840 m ( 846.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (mM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	30.251	30.250	34.597	21.341	21.338	37.371	195.1	4.46	102.4	644.7	0.000	1545.8	0.00
10.	9.9	29.924	29.922	34.582	21.442	21.439	37.487	195.4	4.47	102.0	635.3	0.045	1545.2	6.75
20.	19.9	29.757	29.752	34.641	21.544	21.540	37.595	197.7	4.52	103.0	626.0	0.108	1545.1	3.45
30.	29.8	28.545	28.538	34.595	21.916	21.911	38.021	199.8	4.57	102.1	590.8	0.170	1542.6	21.27
40.	39.8	26.665	26.656	34.495	22.449	22.444	38.643	193.5	4.20	90.9	540.2	0.225	1538.5	8.07
50.	49.7	25.263	25.252	34.455	22.855	22.849	39.118	155.8	3.57	75.4	501.8	0.277	1535.3	10.67
60.	59.7	24.769	24.756	34.451	23.002	22.997	39.290	154.8	3.55	74.3	488.1	0.326	1534.3	5.98
70.	69.6	24.143	24.129	34.456	23.193	23.187	39.513	152.2	3.49	72.3	470.3	0.374	1532.9	8.71
80.	79.5	23.727	23.711	34.451	23.313	23.306	39.655	145.7	3.34	68.7	459.2	0.421	1532.0	7.96
90.	89.5	22.794	22.775	34.456	23.587	23.580	39.979	136.7	3.13	63.4	433.4	0.466	1529.8	6.16
100.	99.4	22.237	22.218	34.456	23.745	23.738	40.167	138.3	3.17	63.6	418.7	0.508	1528.6	9.13
110.	109.4	21.286	21.265	34.463	24.014	24.007	40.490	131.1	3.01	59.3	393.3	0.549	1526.2	8.91
120.	119.3	20.492	20.469	34.474	24.238	24.231	40.759	132.8	3.05	59.2	372.2	0.587	1524.2	6.19
130.	129.2	20.004	19.980	34.481	24.373	24.365	40.922	129.4	2.97	57.2	359.7	0.624	1523.1	6.13
140.	139.2	19.347	19.322	34.478	24.541	24.533	41.130	128.3	2.94	56.0	343.9	0.659	1521.4	5.94
150.	149.1	17.888	17.862	34.485	24.913	24.906	41.593	132.5	3.04	56.3	308.5	0.692	1517.4	14.00
160.	159.0	16.825	16.799	34.489	25.171	25.163	41.919	123.9	2.85	51.6	284.1	0.721	1514.4	7.68
170.	169.0	16.013	15.986	34.499	25.366	25.359	42.168	124.5	2.86	51.0	265.7	0.748	1512.1	2.70
180.	178.9	14.795	14.768	34.485	25.626	25.620	42.513	113.4	2.61	45.4	240.9	0.774	1508.4	10.61
190.	188.8	13.114	13.088	34.492	25.982	25.976	42.990	112.7	2.59	43.6	206.8	0.796	1503.1	6.00
200.	198.8	12.251	12.225	34.488	26.149	26.143	43.222	109.8	2.52	41.8	191.0	0.815	1500.4	3.81
220.	218.6	11.497	11.469	34.495	26.297	26.291	43.428	105.3	2.42	39.4	177.2	0.852	1498.1	4.91
240.	238.5	11.004	10.975	34.499	26.390	26.384	43.560	102.0	2.35	37.8	168.6	0.887	1496.7	3.81
260.	258.4	10.548	10.517	34.514	26.484	26.478	43.690	97.2	2.23	35.7	160.0	0.920	1495.5	2.32
280.	278.2	10.392	10.358	34.515	26.512	26.506	43.731	96.8	2.22	35.4	157.7	0.952	1495.3	3.21
300.	298.1	10.177	10.142	34.519	26.552	26.546	43.789	95.5	2.19	34.7	154.2	0.983	1494.8	0.62
320.	318.0	9.882	9.845	34.518	26.602	26.596	43.863	94.7	2.18	34.2	149.7	1.013	1494.1	2.62
340.	337.8	9.547	9.509	34.521	26.660	26.654	43.949	94.1	2.16	33.8	144.4	1.043	1493.2	4.01
360.	357.7	9.348	9.307	34.534	26.704	26.697	44.009	92.9	2.14	33.2	140.6	1.071	1492.8	3.33
380.	377.5	9.099	9.057	34.546	26.754	26.747	44.080	89.3	2.05	31.8	136.1	1.099	1492.3	2.70
400.	397.4	8.822	8.778	34.599	26.840	26.833	44.188	86.1	1.98	30.4	128.2	1.125	1491.6	2.31
420.	417.2	8.824	8.779	34.643	26.874	26.867	44.221	79.0	1.82	28.0	125.4	1.150	1492.0	1.38
440.	437.1	8.671	8.623	34.627	26.886	26.878	44.246	82.4	1.89	29.0	124.5	1.175	1491.8	3.03
460.	456.9	8.395	8.346	34.621	26.924	26.916	44.308	81.9	1.88	28.7	121.0	1.200	1491.1	1.64
480.	476.7	8.305	8.255	34.627	26.943	26.935	44.335	81.8	1.88	28.6	119.5	1.224	1491.1	1.75
500.	496.6	8.272	8.220	34.648	26.965	26.957	44.360	79.2	1.82	27.7	117.8	1.248	1491.3	1.64
550.	546.2	8.105	8.048	34.662	27.002	26.993	44.411	77.2	1.77	26.9	115.1	1.306	1491.5	0.87
600.	595.8	7.834	7.772	34.676	27.053	27.044	44.486	76.5	1.76	26.5	110.8	1.362	1491.3	0.62
650.	645.3	7.281	7.217	34.635	27.101	27.092	44.584	80.6	1.85	27.5	106.4	1.417	1490.0	0.00
700.	694.9	6.954	6.886	34.625	27.139	27.130	44.653	82.6	1.90	28.0	103.2	1.469	1489.5	0.62
750.	744.4	6.732	6.660	34.616	27.163	27.153	44.698	84.4	1.94	28.5	101.4	1.520	1489.5	0.00
800.	794.0	6.342	6.269	34.602	27.204	27.194	44.775	86.1	1.98	28.8	97.6	1.570	1488.8	3.27
829.	822.7	6.237	6.161	34.603	27.219	27.209	44.800	87.4	2.01	29.1	96.4	1.598	1488.8	0.87

fin

Vitesse verticale moyenne du son entre 3. et 829. dbar : 1500.1 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

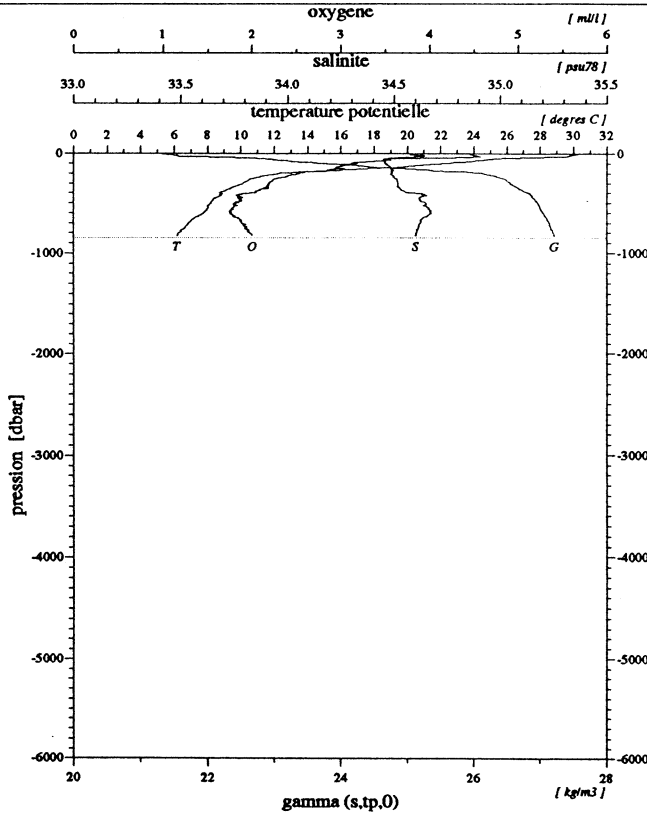


Diagramme salinite / oxygene

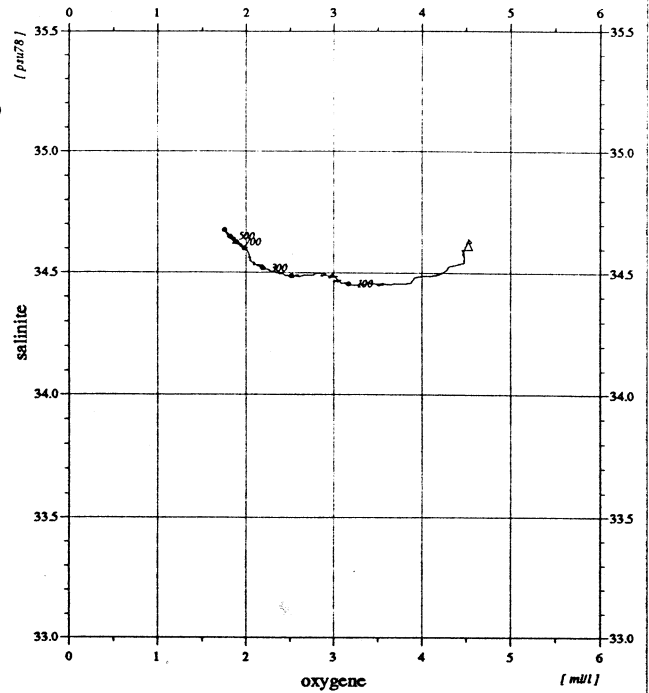


Diagramme temperature potentielle / salinite

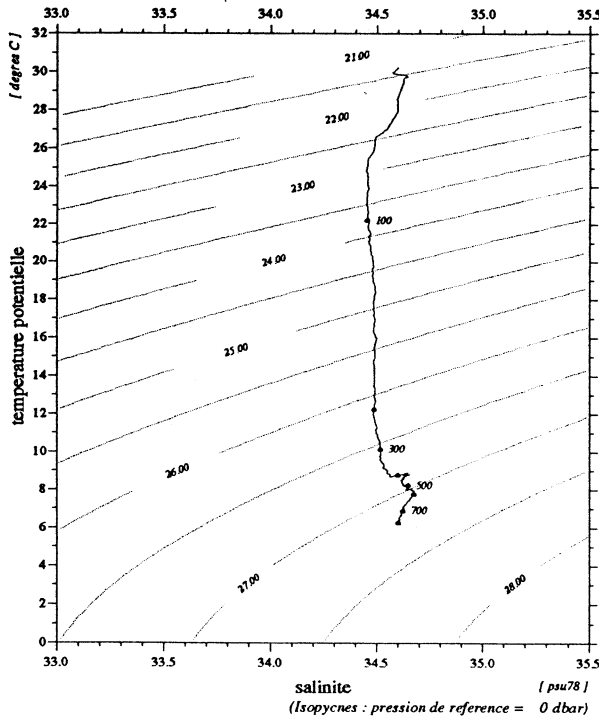
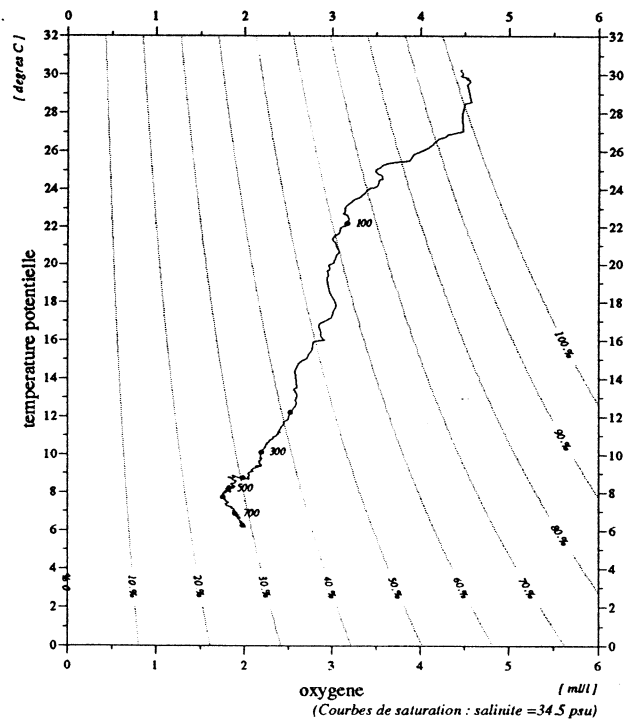


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	829.
temperature	30.251	6.237
theta	30.250	6.161
salinite	34.597	34.603
gamma (s,tp,0)	21.341	27.219
oxygene	4.46	2.01

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde	840 m ( 846 dbar)
17- 3-1992	9.5' 2 S
11.18 tu	120.14' 9 E

MD71/JADE2

Station 49.10

94/01/24  
13:47:19

STATION-4920

1

JADE 92

station : 49.20

donnees reduites a 10 dbar

le 17/ 3/1992 a 13.20 tu -9.0496 120.1524 sonde: 788 m ( 794.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.435	30.435	34.597	21.277	21.275	37.300	191.4	4.38	100.8	650.7	0.000	1546.1	0.00
10.	9.9	29.969	29.966	34.631	21.463	21.460	37.505	196.2	4.49	102.6	633.3	0.051	1545.3	4.00
20.	19.9	29.754	29.749	34.646	21.549	21.544	37.599	196.6	4.50	102.4	625.6	0.114	1545.1	2.28
30.	29.8	27.121	27.114	34.555	22.348	22.344	38.519	199.1	4.56	99.4	549.5	0.173	1539.4	6.04
40.	39.8	26.125	26.116	34.467	22.597	22.592	38.817	183.3	4.20	90.0	526.0	0.227	1537.2	11.37
50.	49.7	25.198	25.187	34.445	22.867	22.861	39.133	164.2	3.76	79.4	500.7	0.278	1535.1	6.56
60.	59.7	24.647	24.635	34.453	23.040	23.034	39.334	158.9	3.64	76.1	484.5	0.327	1534.0	6.59
70.	69.6	23.965	23.951	34.452	23.243	23.237	39.572	151.4	3.47	71.7	465.5	0.375	1532.5	8.39
80.	79.5	22.805	22.788	34.454	23.582	23.576	39.973	142.2	3.26	66.0	433.4	0.420	1529.7	6.82
90.	89.5	22.353	22.335	34.451	23.708	23.701	40.124	140.3	3.21	64.6	421.8	0.463	1528.7	7.97
100.	99.4	21.272	21.252	34.467	24.021	24.014	40.497	135.2	3.10	61.1	392.2	0.504	1526.0	7.56
110.	109.4	20.392	20.372	34.472	24.262	24.255	40.789	134.0	3.07	59.6	369.5	0.542	1523.8	7.09
120.	119.3	19.545	19.524	34.484	24.494	24.487	41.071	131.6	3.02	57.7	347.7	0.577	1521.6	5.47
130.	129.2	18.666	18.643	34.499	24.729	24.723	41.360	129.9	2.98	56.0	325.4	0.611	1519.3	4.99
140.	139.2	17.813	17.789	34.493	24.937	24.930	41.621	132.1	3.03	56.1	305.9	0.642	1517.0	5.25
150.	149.1	16.945	16.921	34.493	25.145	25.138	41.885	128.1	2.94	53.5	286.2	0.672	1514.6	7.33
160.	159.0	15.737	15.712	34.499	25.428	25.421	42.249	123.1	2.83	50.2	259.4	0.699	1511.1	5.40
170.	169.0	15.279	15.253	34.503	25.534	25.527	42.386	121.9	2.80	49.3	249.5	0.724	1509.8	2.05
180.	178.9	14.942	14.915	34.498	25.605	25.598	42.481	119.7	2.75	48.1	243.0	0.749	1508.9	2.97
190.	188.8	14.104	14.077	34.489	25.777	25.770	42.712	115.4	2.65	45.6	226.7	0.772	1506.4	5.94
200.	198.8	13.260	13.232	34.500	25.959	25.953	42.956	113.4	2.61	44.0	209.3	0.794	1503.8	3.86
220.	218.6	12.174	12.145	34.490	26.166	26.160	43.245	109.2	2.51	41.5	189.8	0.834	1500.4	4.10
240.	238.5	11.479	11.448	34.499	26.304	26.298	43.437	105.1	2.42	39.3	176.9	0.870	1498.4	3.33
260.	258.4	10.874	10.842	34.505	26.419	26.412	43.599	101.0	2.32	37.3	166.3	0.905	1496.6	2.55
280.	278.2	10.507	10.474	34.516	26.493	26.486	43.702	98.1	2.25	36.0	159.6	0.937	1495.7	1.75
300.	298.1	10.180	10.145	34.519	26.552	26.546	43.788	96.3	2.21	35.1	154.2	0.969	1494.8	2.14
320.	318.0	9.879	9.842	34.519	26.604	26.597	43.865	95.3	2.19	34.5	149.6	0.999	1494.1	2.70
340.	337.8	9.477	9.439	34.529	26.679	26.672	43.973	94.0	2.16	33.7	142.7	1.028	1493.0	3.33
360.	357.7	9.198	9.158	34.531	26.726	26.719	44.043	92.4	2.12	32.9	138.4	1.057	1492.3	2.90
380.	377.5	8.877	8.836	34.553	26.794	26.787	44.139	88.8	2.04	31.4	132.1	1.084	1491.5	3.15
400.	397.4	8.804	8.761	34.588	26.833	26.826	44.183	86.1	1.98	30.4	128.7	1.110	1491.6	1.07
420.	417.2	8.905	8.859	34.617	26.841	26.834	44.182	83.7	1.92	29.6	128.5	1.135	1492.3	1.24
440.	437.1	8.908	8.861	34.668	26.881	26.873	44.220	79.5	1.83	28.2	125.2	1.161	1492.7	0.62
460.	456.9	8.620	8.571	34.634	26.900	26.892	44.264	81.8	1.88	28.8	123.5	1.186	1491.9	1.75
480.	476.7	8.483	8.432	34.628	26.917	26.908	44.293	81.8	1.88	28.7	122.2	1.210	1491.7	1.24
500.	496.6	8.314	8.262	34.629	26.943	26.935	44.335	81.1	1.87	28.4	119.9	1.234	1491.4	1.96
550.	546.2	8.033	7.976	34.650	27.003	26.994	44.419	80.2	1.84	27.9	114.9	1.293	1491.2	1.24
600.	595.8	7.888	7.826	34.669	27.040	27.030	44.468	77.7	1.79	26.9	112.2	1.350	1491.5	0.62
650.	645.3	7.512	7.447	34.656	27.085	27.076	44.548	79.2	1.82	27.2	108.3	1.405	1490.9	0.00
700.	694.9	7.032	6.964	34.631	27.133	27.124	44.640	82.2	1.89	27.9	103.8	1.458	1489.8	0.62
750.	744.4	6.590	6.519	34.613	27.179	27.170	44.727	85.3	1.96	28.7	99.6	1.509	1488.9	3.55
fin	764.	758.3	6.557	6.486	34.611	27.182	27.173	85.5	1.97	28.7	99.5	1.523	1489.0	2.55

Vitesse verticale moyenne du son entre 2. et 764. dbar : 1501.1 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

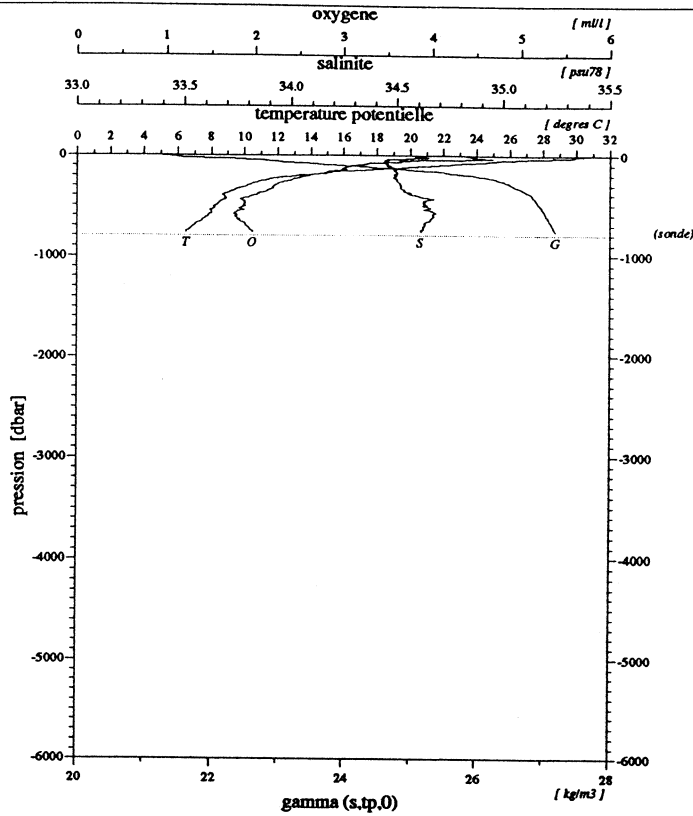


Diagramme salinite / oxygene

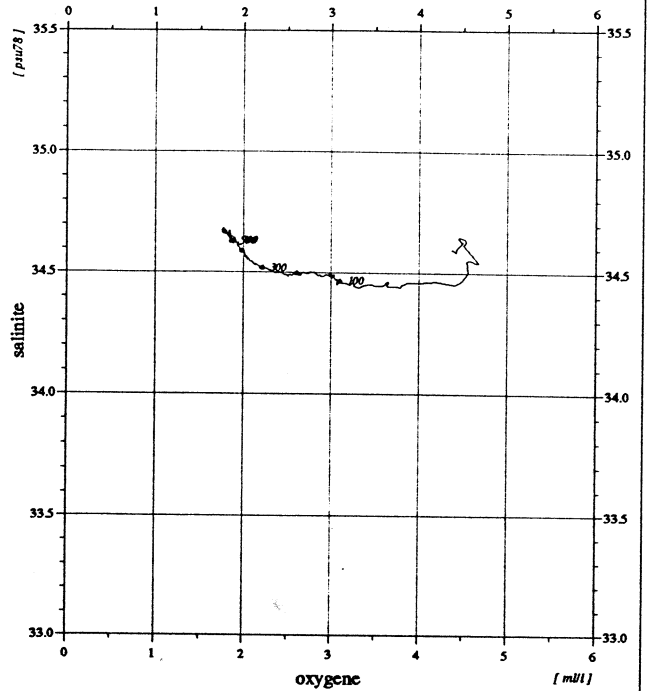


Diagramme temperature potentielle / salinite

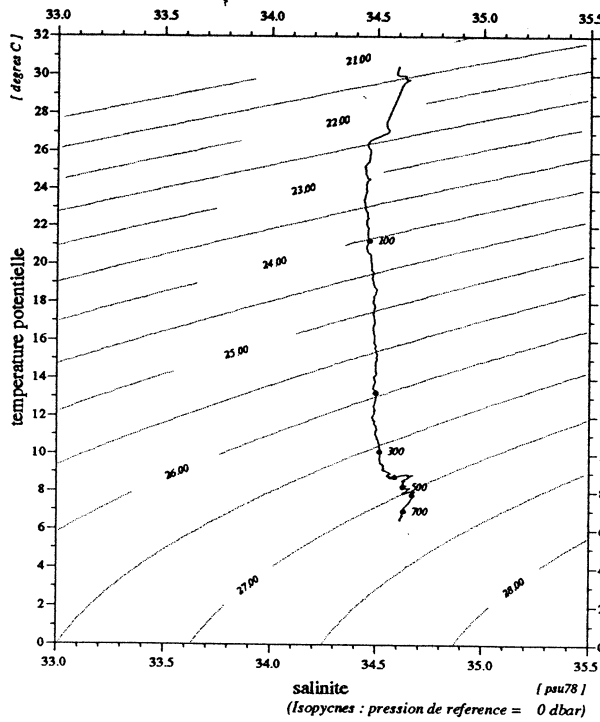
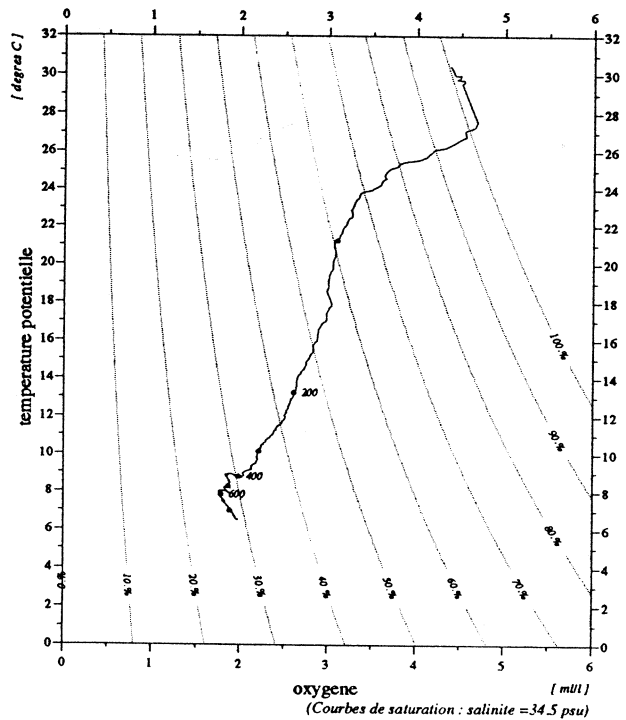


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	764.
temperature	30.435	6.557
theta	30.435	6.486
salinite	34.597	34.611
gamma (s,tp,0)	21.277	27.182
oxygene	4.38	1.97

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 788 m ( 794 dbar)	
17- 3-1992	9. 4' 9 S
13.20 tu	120.15' 2 E

MD71/JADE2

Station 49.20

94/01/24  
13:47:33

STATION-4930

1

JADE 92

station : 49.30

donnees reduites a 10 dbar

le 17/ 3/1992 a 22.36 tu -9.0507 120.1474 sonde: 836 m ( 842.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.827	29.827	34.604	21.491	21.488	37.539	195.9	4.48	102.2	630.3	0.000	1544.9	0.00
10.	9.9	29.819	29.816	34.599	21.490	21.487	37.539	199.4	4.56	104.0	630.7	0.050	1545.0	1.24
20.	19.9	26.502	26.498	34.457	22.470	22.467	38.672	181.1	4.15	89.5	537.3	0.110	1537.7	22.91
30.	29.8	25.587	25.580	34.458	22.757	22.753	39.003	168.1	3.85	81.8	510.3	0.162	1535.7	8.23
40.	39.8	24.987	24.978	34.452	22.935	22.931	39.212	157.8	3.61	76.0	493.6	0.212	1534.5	6.52
50.	49.7	24.499	24.489	34.454	23.084	23.079	39.386	154.3	3.54	73.7	479.8	0.261	1533.4	6.21
60.	59.7	24.038	24.025	34.447	23.217	23.211	39.542	147.4	3.38	69.8	467.6	0.308	1532.5	6.98
70.	69.6	23.669	23.654	34.452	23.330	23.324	39.675	142.6	3.27	67.2	457.1	0.355	1531.7	6.91
80.	79.5	22.169	22.153	34.457	23.764	23.758	40.190	135.1	3.10	62.0	416.0	0.398	1528.0	6.56
90.	89.5	20.991	20.974	34.466	24.096	24.090	40.588	133.4	3.06	60.0	384.6	0.438	1525.1	9.54
100.	99.4	20.305	20.286	34.476	24.288	24.281	40.819	131.4	3.01	58.4	366.7	0.475	1523.4	8.24
110.	109.4	18.941	18.921	34.496	24.657	24.651	41.271	133.1	3.05	57.7	331.6	0.510	1519.8	15.33
120.	119.3	17.539	17.519	34.489	24.999	24.993	41.701	131.7	3.02	55.6	299.2	0.542	1515.8	6.00
130.	129.2	16.736	16.715	34.495	25.195	25.189	41.948	117.2	2.69	48.7	280.8	0.571	1513.6	10.88
140.	139.2	16.101	16.079	34.497	25.344	25.338	42.140	125.4	2.88	51.5	266.8	0.598	1511.8	8.12
150.	149.1	15.628	15.605	34.502	25.455	25.449	42.283	120.2	2.76	48.9	256.5	0.625	1510.6	10.34
160.	159.0	14.963	14.939	34.509	25.608	25.602	42.482	115.7	2.66	46.5	242.1	0.650	1508.6	9.03
170.	169.0	14.498	14.473	34.510	25.709	25.703	42.616	117.6	2.70	46.8	232.6	0.673	1507.3	4.83
180.	178.9	14.437	14.411	34.509	25.722	25.715	42.633	119.7	2.75	47.6	231.7	0.697	1507.3	1.38
190.	188.8	14.050	14.022	34.505	25.801	25.794	42.740	116.5	2.68	46.0	224.4	0.719	1506.2	6.03
200.	198.8	13.370	13.342	34.498	25.935	25.929	42.924	114.4	2.63	44.5	211.6	0.742	1504.1	14.33
220.	218.6	11.813	11.785	34.493	26.236	26.230	43.343	108.6	2.49	40.9	183.0	0.781	1499.2	3.45
240.	238.5	11.113	11.084	34.508	26.377	26.372	43.538	105.4	2.42	39.1	169.8	0.816	1497.1	1.96
260.	258.4	10.992	10.960	34.509	26.401	26.394	43.571	102.5	2.36	38.0	168.1	0.849	1497.0	2.05
280.	278.2	10.594	10.561	34.518	26.479	26.473	43.682	99.5	2.29	36.5	160.9	0.882	1496.0	1.38
300.	298.1	10.403	10.368	34.521	26.515	26.508	43.733	98.0	2.25	35.8	157.9	0.914	1495.6	1.24
320.	318.0	10.216	10.178	34.522	26.549	26.542	43.782	98.7	2.27	36.0	155.0	0.946	1495.3	1.38
340.	337.8	9.760	9.721	34.518	26.623	26.616	43.894	96.4	2.22	34.8	148.1	0.976	1494.0	4.83
360.	357.7	9.399	9.359	34.536	26.697	26.690	43.998	92.8	2.13	33.2	141.3	1.005	1493.0	0.00
380.	377.5	9.189	9.147	34.539	26.734	26.727	44.052	92.0	2.12	32.8	138.1	1.033	1492.6	2.05
400.	397.4	8.991	8.947	34.556	26.779	26.772	44.114	89.1	2.05	31.6	134.0	1.060	1492.2	1.52
420.	417.2	8.856	8.810	34.564	26.807	26.800	44.153	89.1	2.05	31.5	131.7	1.086	1492.0	1.07
440.	437.1	8.938	8.890	34.666	26.874	26.866	44.211	80.5	1.85	28.5	125.9	1.112	1492.8	0.00
460.	456.9	8.818	8.768	34.681	26.906	26.898	44.252	79.3	1.82	28.0	123.2	1.137	1492.7	1.07
480.	476.7	8.580	8.529	34.680	26.943	26.934	44.309	79.0	1.82	27.8	119.9	1.161	1492.2	4.20
500.	496.6	8.428	8.375	34.674	26.961	26.952	44.341	76.9	1.77	27.0	118.4	1.185	1491.9	1.24
550.	546.2	7.899	7.843	34.635	27.010	27.002	44.438	79.8	1.84	27.7	114.0	1.243	1490.7	0.00
600.	595.8	7.700	7.640	34.668	27.067	27.058	44.512	76.5	1.76	26.4	109.4	1.299	1490.8	2.40
650.	645.3	7.481	7.416	34.656	27.090	27.080	44.555	78.2	1.80	26.8	107.8	1.353	1490.8	0.00
700.	694.9	7.015	6.947	34.630	27.135	27.125	44.643	82.0	1.89	27.8	103.7	1.406	1489.8	2.05
750.	744.4	6.830	6.758	34.623	27.155	27.145	44.680	84.0	1.93	28.4	102.3	1.458	1489.9	1.52
800.	794.0	6.461	6.387	34.607	27.192	27.182	44.752	85.3	1.96	28.6	98.9	1.508	1489.2	2.40
fin 803.	796.9	6.383	6.308	34.609	27.204	27.194	44.771	85.7	1.97	28.6	97.7	1.511	1489.0	2.77

Vitesse verticale moyenne du son entre 2. et 803. dbar : 1499.9 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

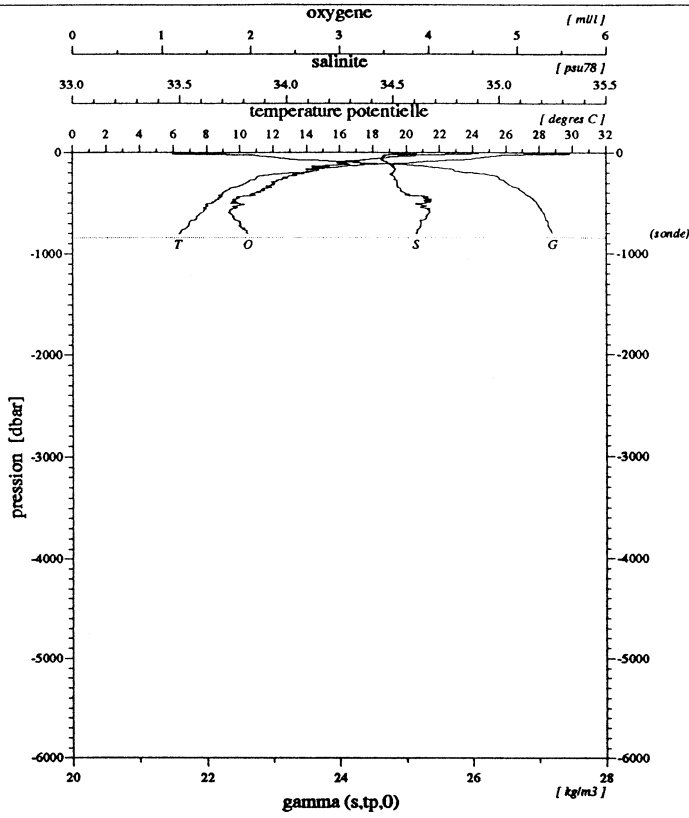


Diagramme salinite / oxygene

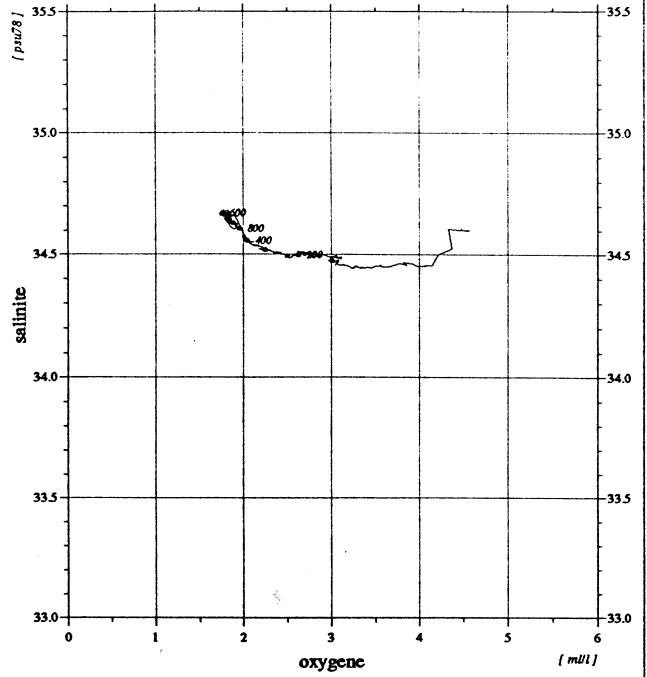


Diagramme temperature potentielle / salinite

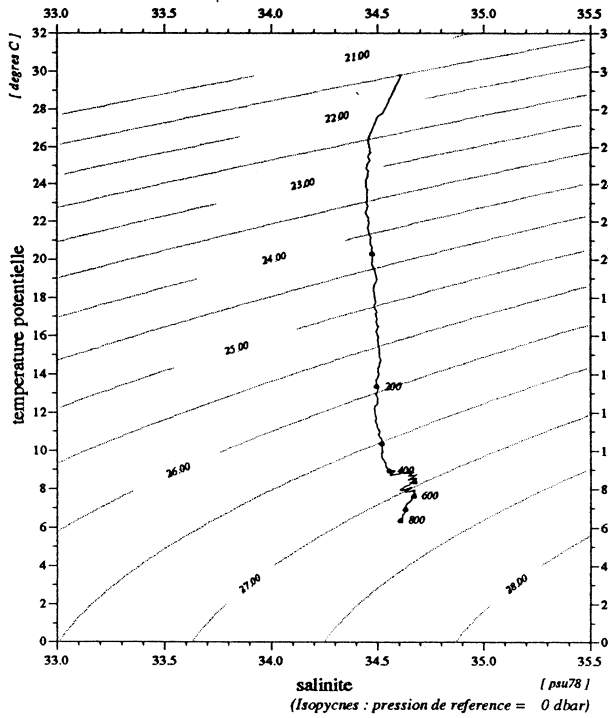
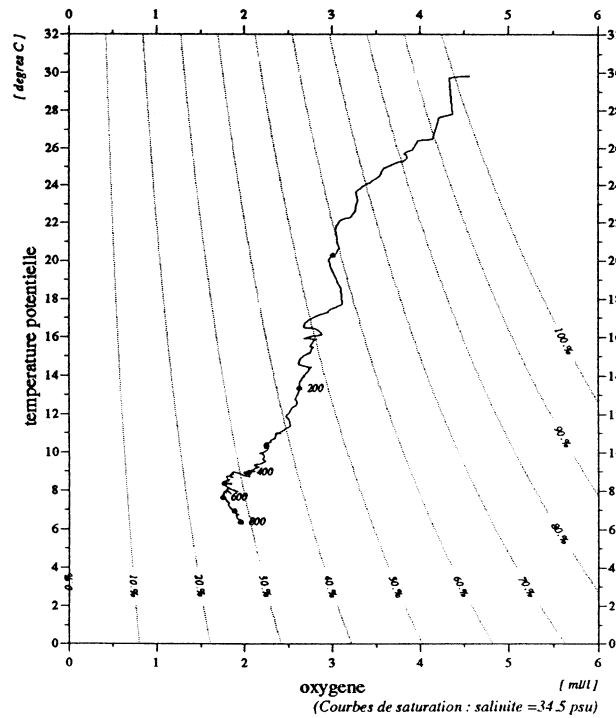


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	803.
temperature	29.827	6.383
theta	29.827	6.308
salinite	34.604	34.609
gamma (s,tp,0)	21.491	27.204
oxygene	4.48	1.97

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 836 m ( 842 dbar)	
17- 3-1992	9. 5' 0 S
22.36 tu	120.14' 7 E

MD71/JADE2

Station 49.30

94/01/24  
13:47:40

STATION-4940

1

JADE 92

station : 49.40

donnees reduites a 10 dbar

le 18/ 3/1992 a 2.42 tu -9.0498 120.1493 sonde: 825 m ( 831.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.178	30.177	34.572	21.347	21.344	37.381	206.9	4.73	108.5	644.1	0.000	1545.6	0.00
10.	9.9	29.673	29.670	34.590	21.534	21.531	37.589	211.6	4.84	110.1	626.5	0.051	1544.7	11.09
20.	19.9	29.568	29.563	34.663	21.624	21.620	37.683	204.2	4.67	106.1	618.4	0.113	1544.7	2.97
30.	29.8	27.920	27.913	34.618	22.138	22.133	38.270	200.6	4.59	101.5	569.6	0.173	1541.3	5.58
40.	39.8	26.607	26.598	34.483	22.458	22.453	38.655	191.9	4.39	95.0	539.4	0.228	1538.3	6.63
50.	49.7	25.526	25.515	34.460	22.778	22.772	39.027	162.7	3.73	79.1	509.2	0.280	1535.9	9.08
60.	59.7	24.807	24.794	34.457	22.995	22.990	39.281	156.1	3.58	75.0	488.8	0.329	1534.4	7.70
70.	69.6	24.028	24.013	34.443	23.217	23.211	39.544	142.1	3.26	67.3	467.9	0.377	1532.6	9.43
80.	79.5	22.254	22.238	34.455	23.739	23.733	40.160	137.1	3.14	63.0	418.4	0.421	1528.3	6.16
90.	89.5	21.441	21.424	34.465	23.972	23.966	40.439	136.6	3.13	61.9	396.4	0.462	1526.3	9.56
100.	99.4	20.681	20.662	34.470	24.183	24.176	40.693	133.1	3.05	59.5	376.7	0.501	1524.4	11.96
110.	109.4	20.227	20.206	34.478	24.310	24.303	40.847	131.8	3.02	58.5	364.9	0.538	1523.4	5.94
120.	119.3	19.716	19.694	34.484	24.449	24.443	41.016	133.3	3.06	58.6	351.9	0.574	1522.1	10.18
130.	129.2	17.957	17.935	34.488	24.897	24.891	41.572	137.0	3.14	58.3	309.3	0.607	1517.2	11.88
140.	139.2	17.337	17.314	34.499	25.056	25.049	41.770	130.3	2.99	54.8	294.5	0.637	1515.6	6.00
150.	149.1	16.484	16.460	34.499	25.258	25.251	42.028	126.1	2.89	52.2	275.4	0.666	1513.2	3.22
160.	159.0	15.262	15.237	34.501	25.536	25.530	42.390	122.3	2.81	49.4	248.9	0.692	1509.6	3.66
170.	169.0	14.722	14.697	34.500	25.653	25.647	42.544	121.6	2.79	48.6	238.0	0.716	1508.0	4.95
180.	178.9	13.820	13.794	34.496	25.841	25.835	42.797	117.8	2.71	46.3	220.2	0.739	1505.3	2.77
190.	188.8	12.597	12.572	34.511	26.099	26.094	43.145	112.8	2.59	43.2	195.5	0.760	1501.4	10.52
200.	198.8	12.207	12.181	34.493	26.161	26.155	43.237	113.7	2.61	43.2	189.8	0.779	1500.2	11.95
220.	218.6	11.330	11.302	34.500	26.331	26.326	43.475	108.9	2.50	40.6	173.8	0.815	1497.5	3.22
240.	238.5	10.986	10.957	34.504	26.397	26.392	43.569	105.9	2.43	39.2	167.9	0.849	1496.7	3.50
260.	258.4	10.659	10.627	34.515	26.465	26.459	43.662	101.8	2.34	37.4	161.8	0.882	1495.9	1.24
280.	278.2	10.470	10.437	34.518	26.501	26.494	43.713	101.2	2.33	37.1	158.8	0.914	1495.5	1.75
300.	298.1	10.259	10.223	34.518	26.538	26.531	43.768	100.1	2.30	36.5	155.6	0.946	1495.1	4.29
320.	318.0	9.651	9.615	34.517	26.640	26.634	43.920	97.8	2.25	35.2	146.0	0.976	1493.3	5.43
340.	337.8	9.325	9.287	34.533	26.707	26.700	44.013	94.4	2.17	33.8	139.9	1.004	1492.4	2.70
360.	357.7	9.133	9.093	34.550	26.751	26.744	44.073	93.2	2.14	33.2	136.0	1.032	1492.1	1.96
380.	377.5	9.009	8.967	34.558	26.778	26.771	44.111	91.0	2.09	32.3	133.8	1.059	1491.9	2.90
400.	397.4	8.977	8.933	34.603	26.819	26.811	44.153	86.8	2.00	30.8	130.3	1.085	1492.2	1.75
420.	417.2	9.011	8.965	34.634	26.837	26.829	44.168	83.2	1.91	29.6	129.0	1.111	1492.7	0.00
440.	437.1	9.024	8.976	34.662	26.858	26.849	44.187	82.5	1.90	29.3	127.5	1.137	1493.1	3.21
460.	456.9	8.704	8.654	34.626	26.880	26.872	44.238	83.3	1.92	29.4	125.4	1.162	1492.2	2.31
480.	476.7	8.807	8.755	34.682	26.909	26.900	44.256	80.4	1.85	28.4	123.3	1.187	1493.0	1.38
500.	496.6	8.507	8.454	34.677	26.952	26.943	44.325	79.0	1.82	27.7	119.3	1.211	1492.2	2.05
550.	546.2	8.038	7.981	34.650	27.002	26.993	44.417	80.3	1.85	27.9	115.0	1.270	1491.2	1.24
600.	595.8	7.797	7.736	34.675	27.058	27.049	44.494	77.8	1.79	26.9	110.3	1.326	1491.2	2.55
650.	645.3	7.237	7.173	34.635	27.107	27.098	44.595	80.9	1.86	27.6	105.8	1.381	1489.8	2.31
700.	694.9	6.975	6.907	34.627	27.138	27.128	44.650	83.3	1.91	28.2	103.3	1.433	1489.6	0.00
750.	744.4	6.796	6.724	34.619	27.156	27.147	44.685	83.7	1.93	28.3	102.1	1.484	1489.7	2.77
800.	794.0	6.349	6.275	34.607	27.207	27.197	44.778	86.3	1.99	28.8	97.3	1.534	1488.8	0.62
807.	800.9	6.337	6.263	34.608	27.209	27.199	44.781	86.1	1.98	28.8	97.2	1.541	1488.9	1.52

fin

Vitesse verticale moyenne du son entre 2. et 807. dbar : 1500.0 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

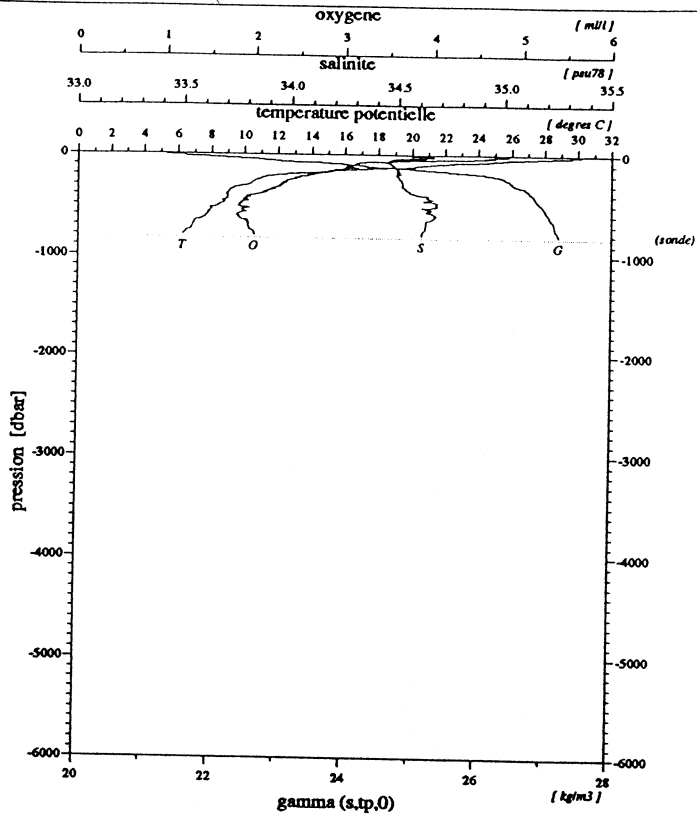


Diagramme salinite / oxygene

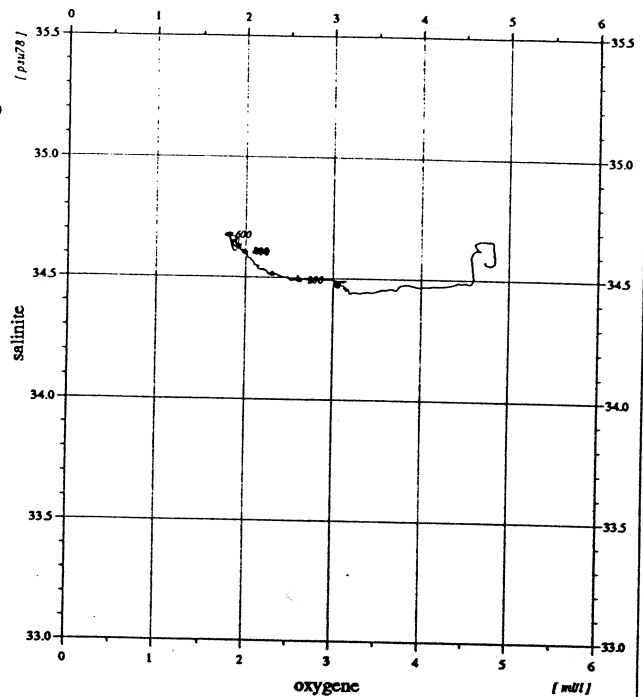


Diagramme temperature potentielle / salinite

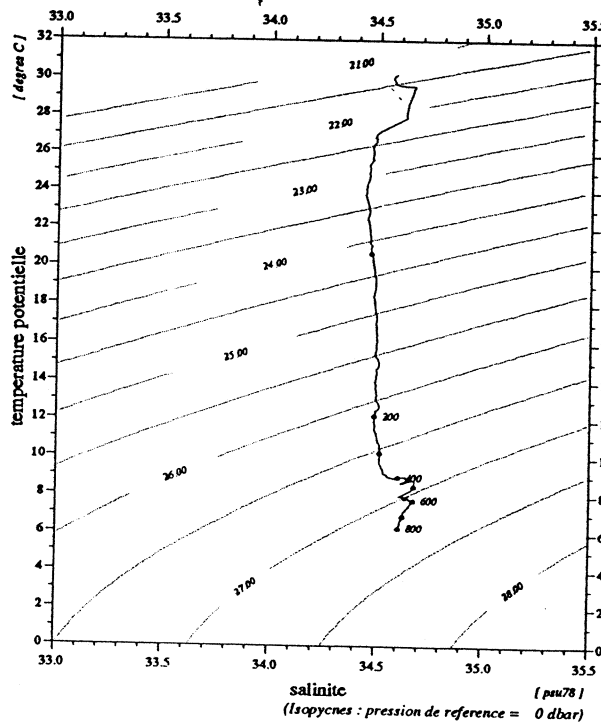
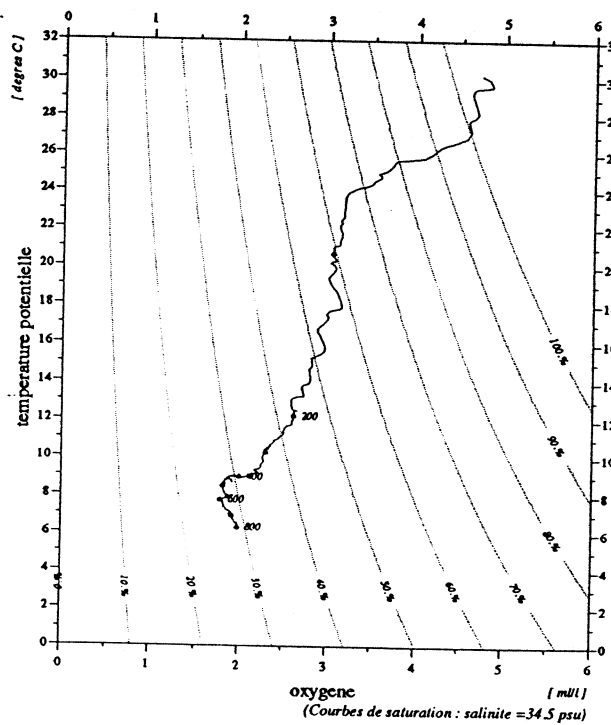


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2	807
temperature	30.178	6.337
theta	30.177	6.263
salinite	34.572	34.608
gamma (s,tp,0)	21.347	27.209
oxygene	4.73	1.98

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 825 m ( 831 dbar)	
18- 3-1992	9.4' 9 S
2.42 tu	120.14' 9 E

MD71/JADE2

Station 49.40

01/24/94  
13:47:50

STATION-4950

1

JADE 92

station : 49.50

donnees reduites a 10 dbar

le 18/ 3/1992 a 9.00 tu -9.0508 120.1491 sonde: 836 m ( 842.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	30.142	30.141	34.549	21.343	21.340	37.379	192.6	4.41	100.9	644.5	0.000	1545.5	0.00
10.	9.9	30.013	30.010	34.560	21.395	21.392	37.437	196.9	4.50	103.0	639.8	0.045	1545.3	4.52
20.	19.9	29.890	29.885	34.569	21.445	21.440	37.491	199.0	4.55	103.9	635.6	0.109	1545.3	3.51
30.	29.8	28.559	28.552	34.628	21.936	21.931	38.039	201.9	4.62	103.2	589.0	0.170	1542.7	7.06
40.	39.8	27.654	27.645	34.534	22.161	22.156	38.308	197.5	4.52	99.5	567.8	0.228	1540.7	11.98
50.	49.7	25.696	25.685	34.462	22.727	22.721	38.968	152.5	3.49	74.3	514.1	0.282	1536.3	7.05
60.	59.7	24.700	24.687	34.448	23.020	23.015	39.312	149.3	3.42	71.5	486.4	0.331	1534.1	7.78
70.	69.6	24.000	23.985	34.456	23.236	23.230	39.563	143.1	3.28	67.8	466.2	0.379	1532.5	7.55
80.	79.5	21.770	21.755	34.458	23.876	23.870	40.324	128.8	2.95	58.7	405.3	0.422	1527.0	11.03
90.	89.5	20.552	20.535	34.479	24.224	24.218	40.741	134.3	3.08	59.9	372.4	0.461	1523.9	15.01
100.	99.4	20.189	20.171	34.481	24.322	24.316	40.861	133.4	3.06	59.1	363.4	0.498	1523.1	3.82
110.	109.4	19.420	19.401	34.500	24.538	24.532	41.122	133.0	3.05	58.1	343.0	0.533	1521.1	9.71
120.	119.3	18.578	18.557	34.492	24.745	24.739	41.381	135.8	3.12	58.5	323.5	0.567	1518.9	13.50
130.	129.2	17.449	17.428	34.495	25.026	25.019	41.733	127.0	2.91	53.5	297.0	0.598	1515.8	9.59
140.	139.2	17.053	17.030	34.496	25.122	25.115	41.855	121.4	2.79	50.8	288.1	0.627	1514.7	7.46
150.	149.1	15.251	15.228	34.495	25.533	25.527	42.388	124.5	2.86	50.3	248.9	0.654	1509.4	12.70
160.	159.0	14.526	14.502	34.499	25.694	25.688	42.599	119.9	2.75	47.8	233.7	0.678	1507.2	5.67
170.	169.0	13.464	13.440	34.494	25.912	25.907	42.894	116.3	2.67	45.4	213.0	0.700	1503.9	4.79
180.	178.9	12.895	12.871	34.490	26.024	26.019	43.048	113.1	2.60	43.6	202.5	0.721	1502.2	5.71
190.	188.8	11.795	11.770	34.487	26.234	26.229	43.342	109.4	2.51	41.2	182.4	0.740	1498.6	5.39
200.	198.8	11.567	11.541	34.495	26.283	26.278	43.409	109.3	2.51	41.0	177.9	0.758	1498.0	3.81
220.	218.6	11.113	11.086	34.503	26.374	26.368	43.535	105.0	2.41	39.0	169.7	0.793	1496.8	4.38
240.	238.5	10.720	10.691	34.513	26.452	26.446	43.644	100.0	2.30	36.8	162.6	0.826	1495.8	2.84
260.	258.4	10.448	10.417	34.518	26.504	26.498	43.718	98.9	2.27	36.2	158.0	0.858	1495.1	2.47
280.	278.2	10.336	10.303	34.520	26.525	26.519	43.748	98.7	2.27	36.0	156.4	0.890	1495.1	0.87
300.	298.1	9.925	9.891	34.516	26.593	26.587	43.850	97.2	2.23	35.2	150.2	0.920	1493.9	3.44
320.	318.0	9.565	9.529	34.520	26.657	26.650	43.944	95.2	2.19	34.2	144.4	0.950	1492.9	3.39
340.	337.8	9.422	9.384	34.537	26.694	26.687	43.992	92.9	2.13	33.3	141.2	0.978	1492.8	2.40
360.	357.7	9.229	9.189	34.542	26.729	26.723	44.044	91.9	2.11	32.8	138.1	1.006	1492.4	1.24
380.	377.5	9.105	9.064	34.563	26.766	26.759	44.091	89.7	2.06	31.9	135.0	1.034	1492.3	3.15
400.	397.4	8.873	8.830	34.554	26.796	26.789	44.141	89.5	2.06	31.7	132.4	1.060	1491.8	1.38
420.	417.2	9.064	9.018	34.628	26.824	26.816	44.151	84.2	1.94	30.0	130.3	1.087	1492.9	1.24
440.	437.1	9.126	9.077	34.677	26.853	26.845	44.173	79.2	1.82	28.2	128.1	1.112	1493.5	1.24
460.	456.9	8.859	8.809	34.639	26.866	26.858	44.211	81.2	1.87	28.7	126.9	1.138	1492.8	0.00
480.	476.7	8.833	8.780	34.677	26.901	26.892	44.246	79.4	1.83	28.1	124.1	1.163	1493.1	2.31
500.	496.6	8.728	8.674	34.679	26.919	26.910	44.273	79.4	1.83	28.0	122.7	1.188	1493.0	1.96
550.	546.2	8.210	8.152	34.656	26.981	26.972	44.382	78.7	1.81	27.4	117.1	1.247	1491.9	2.47
600.	595.8	7.775	7.714	34.634	27.029	27.020	44.468	81.5	1.88	28.2	113.0	1.305	1491.0	1.75
650.	645.3	7.613	7.547	34.662	27.075	27.065	44.528	78.9	1.81	27.1	109.4	1.361	1491.3	2.05
700.	694.9	7.147	7.079	34.628	27.115	27.105	44.612	82.8	1.90	28.2	105.7	1.414	1490.3	1.38
750.	744.4	6.751	6.679	34.618	27.162	27.152	44.695	84.5	1.94	28.5	101.5	1.466	1489.6	2.23
800.	794.0	6.378	6.304	34.608	27.204	27.194	44.772	87.2	2.01	29.2	97.6	1.516	1488.9	1.38
823.	816.8	6.104	6.029	34.602	27.234	27.225	44.828	88.5	2.04	29.4	94.6	1.538	1488.2	2.62

Vitesse verticale moyenne du son entre 3. et 823. dbar : 1499.6 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

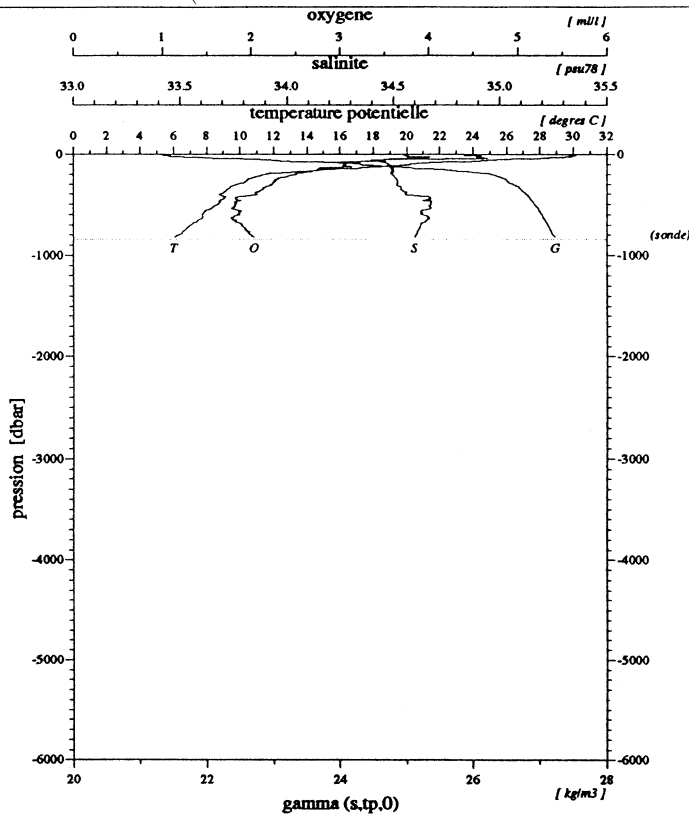


Diagramme salinite / oxygene

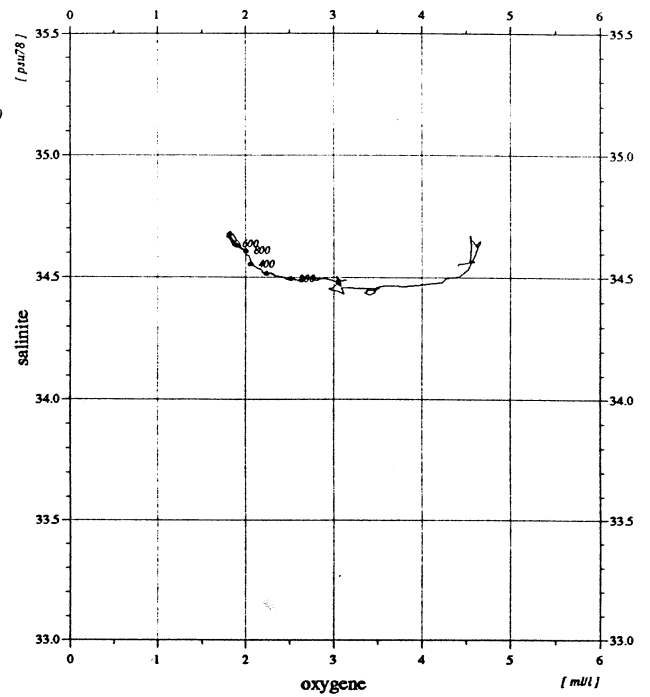


Diagramme temperature potentielle / salinite

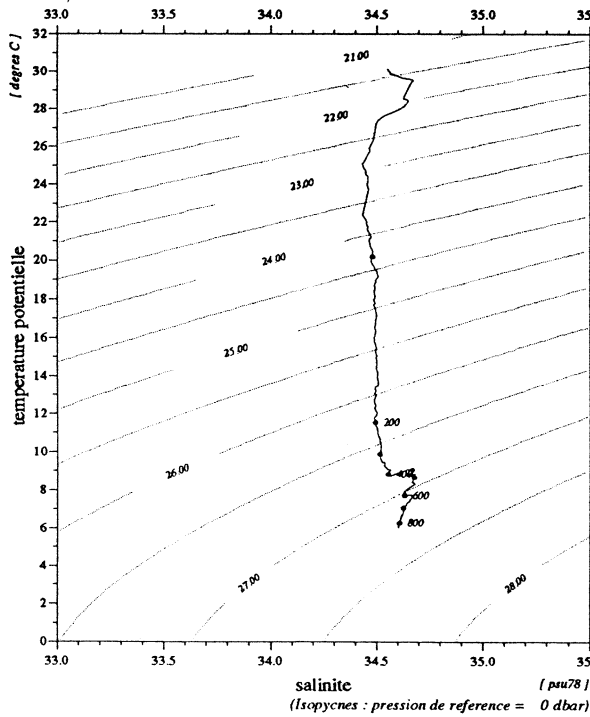
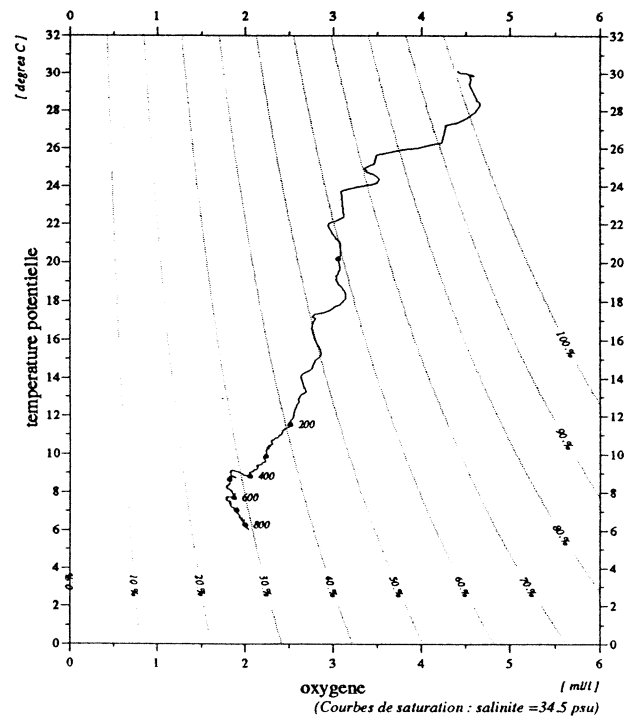


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	823.
temperature	30.142	6.104
theta	30.141	6.029
salinite	34.549	34.602
gamma (s,tp,0)	21.343	27.235
oxygene	4.41	2.04

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde	836 m ( 842 dbar)
18- 3-1992	9.5' 0 S
9.00 tu	120.14' 9 E

MD71/JADE2

Station 49.50

94/01/24  
13:47:22

STATION-5010

1

JADE 92

station : 50.10

donnees reduites a 10 dbar

le 17/ 3/1992 a 15.30 tu -9.1513 120.1378 sonde: 729 m ( 734.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
3.	3.0	30.315	30.314	34.540	21.277	21.274	37.306	190.3	4.35	100.0	650.9	0.000	1545.8	0.00	
10.	9.9	29.995	29.992	34.562	21.403	21.400	37.445	193.2	4.42	101.0	639.1	0.045	1545.3	10.20	
20.	19.9	29.746	29.741	34.609	21.524	21.520	37.576	200.3	4.58	104.3	628.0	0.109	1545.0	4.04	
30.	29.8	29.653	29.646	34.634	21.574	21.570	37.630	199.9	4.57	104.0	623.6	0.171	1545.0	7.99	
40.	39.8	27.726	27.717	34.546	22.147	22.142	38.290	195.6	4.48	98.6	569.2	0.231	1540.9	12.14	
50.	49.7	25.907	25.896	34.454	22.656	22.650	38.887	176.9	4.05	86.5	520.9	0.285	1536.8	7.30	
60.	59.7	24.691	24.678	34.444	23.020	23.014	39.312	148.7	3.41	71.3	486.4	0.335	1534.1	5.09	
70.	69.6	24.243	24.228	34.444	23.155	23.149	39.470	149.5	3.43	71.1	473.9	0.383	1533.1	7.42	
80.	79.5	23.114	23.098	34.452	23.492	23.485	39.866	142.6	3.27	66.5	442.1	0.429	1530.5	15.47	
90.	89.5	21.895	21.878	34.465	23.847	23.840	40.288	138.0	3.16	63.0	408.5	0.471	1527.5	8.56	
100.	99.4	21.189	21.170	34.475	24.050	24.043	40.530	135.4	3.11	61.1	389.5	0.511	1525.8	9.77	
110.	109.4	20.446	20.426	34.484	24.257	24.250	40.780	134.6	3.09	59.9	370.0	0.549	1524.0	7.48	
120.	119.3	19.104	19.082	34.497	24.617	24.610	41.220	127.6	2.93	55.5	335.8	0.584	1520.4	13.47	
130.	129.2	18.382	18.360	34.504	24.804	24.797	41.452	126.4	2.90	54.2	318.3	0.617	1518.5	7.51	
140.	139.2	17.722	17.698	34.503	24.966	24.959	41.656	126.2	2.90	53.5	303.1	0.648	1516.7	5.74	
150.	149.1	16.943	16.919	34.509	25.158	25.151	41.898	125.2	2.87	52.2	285.0	0.677	1514.6	8.71	
160.	159.0	16.304	16.278	34.505	25.304	25.297	42.086	120.5	2.77	49.7	271.3	0.705	1512.8	7.38	
170.	169.0	15.754	15.727	34.506	25.430	25.423	42.250	112.5	2.58	45.9	259.5	0.732	1511.3	11.35	
180.	178.9	15.065	15.038	34.514	25.589	25.583	42.456	110.3	2.53	44.4	244.5	0.757	1509.3	4.33	
190.	188.8	14.206	14.178	34.518	25.778	25.771	42.705	107.2	2.46	42.4	226.6	0.780	1506.7	8.33	
200.	198.8	13.292	13.264	34.505	25.957	25.951	42.951	108.3	2.49	42.1	209.6	0.802	1503.9	10.43	
220.	218.6	12.947	12.917	34.509	26.030	26.023	43.050	110.5	2.54	42.6	203.1	0.843	1503.1	2.32	
240.	238.5	11.932	11.901	34.507	26.225	26.219	43.323	107.2	2.46	40.5	184.6	0.882	1500.0	3.55	
260.	258.4	11.671	11.637	34.511	26.278	26.271	43.396	105.4	2.42	39.6	180.0	0.918	1499.4	1.07	
280.	278.2	11.181	11.146	34.513	26.370	26.363	43.526	102.9	2.37	38.3	171.5	0.954	1498.0	1.96	
300.	298.1	11.031	10.994	34.509	26.395	26.387	43.563	102.1	2.35	37.9	169.6	0.988	1497.8	3.03	
320.	318.0	10.317	10.279	34.515	26.526	26.519	43.751	98.8	2.27	36.1	157.2	1.020	1495.6	3.91	
340.	337.8	9.850	9.811	34.525	26.613	26.606	43.877	97.6	2.24	35.3	149.1	1.051	1494.3	1.75	
360.	357.7	9.579	9.538	34.526	26.660	26.653	43.946	95.1	2.19	34.2	144.9	1.080	1493.7	2.84	
380.	377.5	9.245	9.203	34.533	26.720	26.713	44.034	93.8	2.16	33.5	139.5	1.109	1492.8	1.86	
400.	397.4	8.864	8.821	34.548	26.793	26.786	44.139	90.0	2.07	31.9	132.6	1.136	1491.7	3.21	
420.	417.2	8.634	8.589	34.556	26.835	26.828	44.201	90.9	2.09	32.0	128.8	1.162	1491.2	1.96	
440.	437.1	8.433	8.387	34.565	26.874	26.867	44.257	88.3	2.03	31.0	125.4	1.188	1490.8	2.40	
460.	456.9	8.304	8.256	34.570	26.898	26.890	44.292	87.5	2.01	30.6	123.4	1.212	1490.7	1.52	
480.	476.7	8.190	8.140	34.579	26.922	26.915	44.326	87.3	2.01	30.4	121.3	1.237	1490.6	4.10	
500.	496.6	8.117	8.065	34.584	26.938	26.930	44.348	86.7	1.99	30.2	120.2	1.261	1490.6	0.00	
550.	546.2	7.613	7.558	34.609	27.032	27.023	44.485	84.6	1.95	29.1	111.7	1.319	1489.6	1.07	
600.	595.8	7.222	7.163	34.602	27.082	27.074	44.572	85.7	1.97	29.2	107.2	1.373	1488.9	1.52	
650.	645.3	6.743	6.682	34.586	27.137	27.128	44.670	89.7	2.06	30.3	102.3	1.426	1487.8	0.87	
fin	695.	689.9	6.720	6.655	34.587	27.141	27.132	44.677	90.1	2.07	30.4	102.6	1.472	1488.5	1.07

Vitesse verticale moyenne du son entre 3. et 695. dbar : 1502.1 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

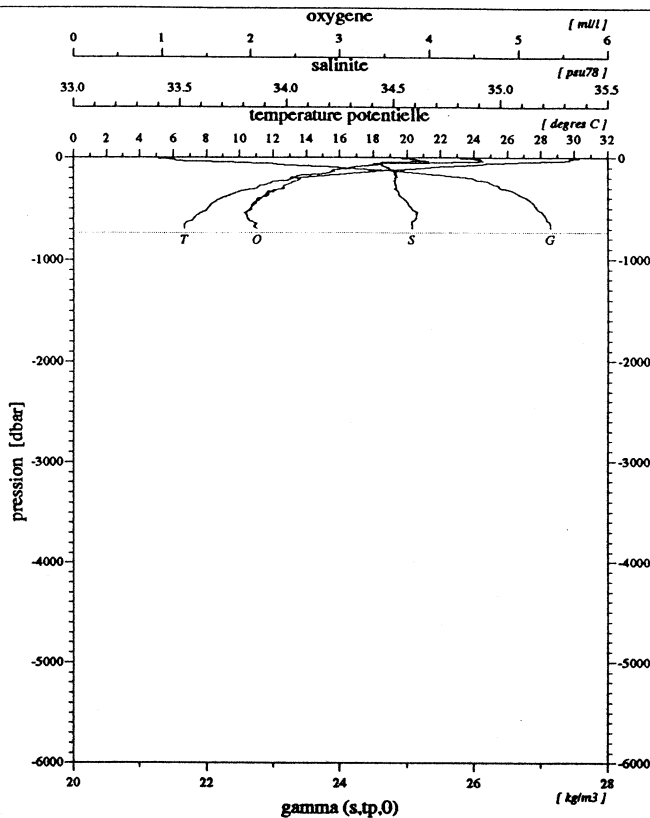


Diagramme salinite / oxygene

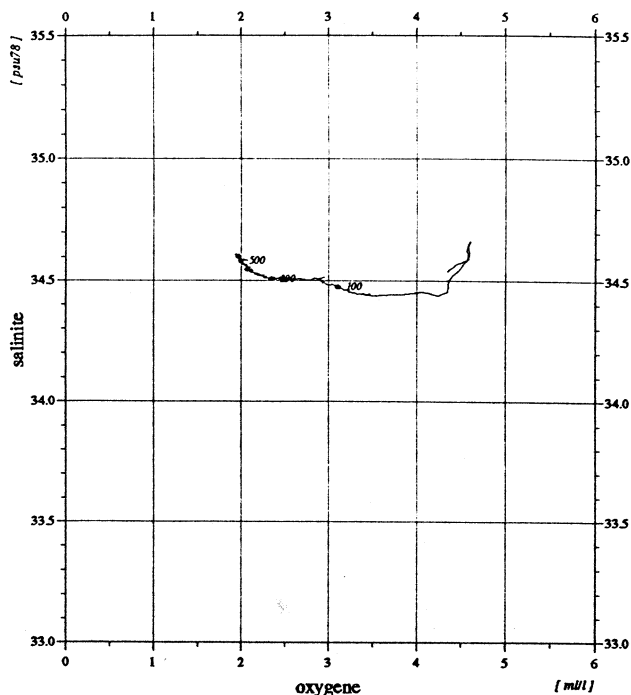


Diagramme temperature potentielle / salinite

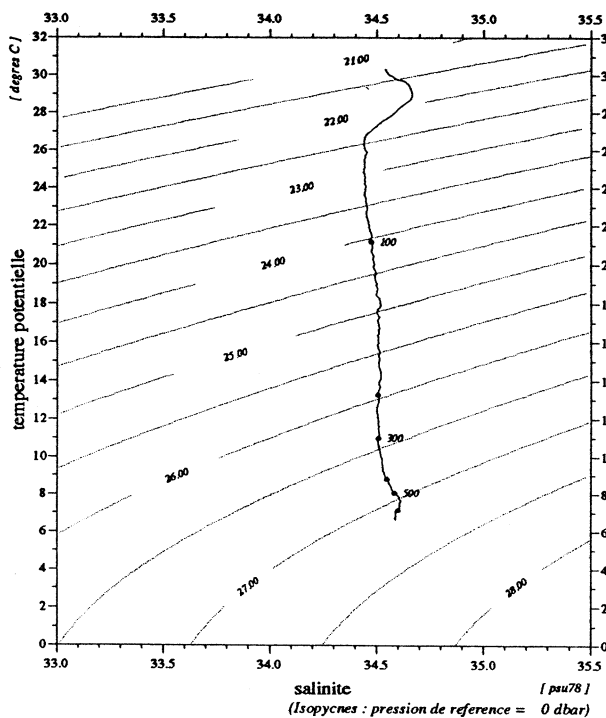
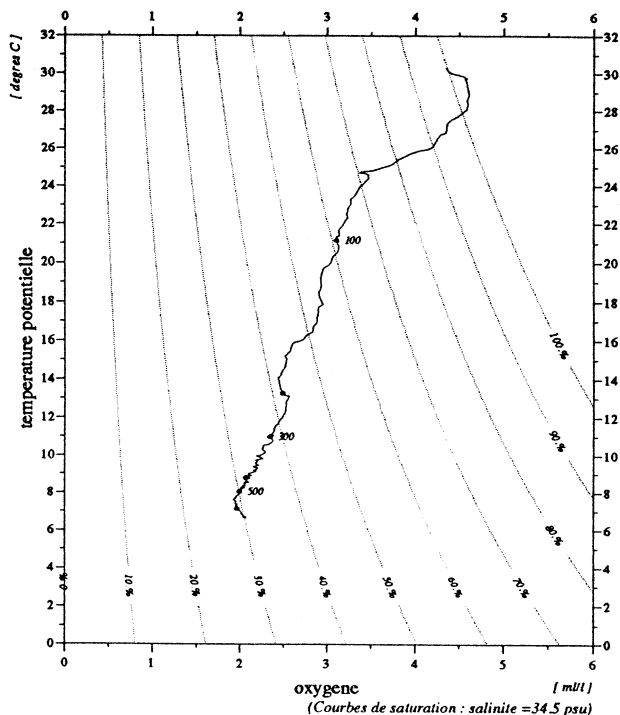


Diagramme temperature potentielle / oxygene



	debut	fin
pression	3.	695.
temperature	30.315	6.720
theta	30.314	6.655
salinite	34.540	34.587
gamma (s,tp,0)	21.277	27.141
oxygene	4.35	2.07

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde	729 m ( 734 dbar)
17- 3-1992	9.15' 1 S
15.30 tu	120.13' 7 E

MD71/JADE2

Station 50.10

94/01/24  
13:47:25

STATION-5020

1

JADE 92

station : 50.20

donnees reduites a 10 dbar

le 17/ 3/1992 a 17.02 tu -9.1487 120.1378 sonde: 766 m ( 772.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.010	30.010	34.575	21.407	21.404	37.448	194.8	4.45	101.9	638.3	0.000	1545.2	0.00
10.	9.9	29.907	29.904	34.586	21.451	21.448	37.496	195.9	4.48	102.3	634.5	0.051	1545.2	8.64
20.	19.9	29.726	29.721	34.625	21.542	21.538	37.595	200.5	4.59	104.4	626.2	0.114	1545.0	3.62
30.	29.8	29.234	29.227	34.629	21.712	21.707	37.786	199.5	4.56	103.1	610.4	0.176	1544.1	16.57
40.	39.8	27.358	27.349	34.497	22.229	22.224	38.390	199.3	4.56	99.9	561.3	0.234	1540.0	10.77
50.	49.7	25.723	25.712	34.453	22.712	22.707	38.952	166.7	3.82	81.3	515.5	0.288	1536.4	7.28
60.	59.7	24.739	24.726	34.438	23.001	22.995	39.291	151.9	3.48	72.8	488.3	0.337	1534.2	6.29
70.	69.6	24.203	24.189	34.442	23.164	23.158	39.482	149.8	3.43	71.2	473.0	0.386	1533.0	7.95
80.	79.5	23.348	23.331	34.448	23.421	23.415	39.783	145.0	3.32	67.9	448.8	0.432	1531.1	9.35
90.	89.5	22.065	22.048	34.457	23.794	23.787	40.225	138.9	3.18	63.6	413.6	0.475	1527.9	7.91
100.	99.4	21.374	21.355	34.471	23.996	23.989	40.466	136.3	3.13	61.7	394.6	0.515	1526.3	3.77
110.	109.4	20.582	20.561	34.472	24.212	24.205	40.727	135.0	3.10	60.2	374.3	0.554	1524.3	10.38
120.	119.3	18.929	18.908	34.490	24.656	24.650	41.270	126.7	2.91	54.9	332.1	0.589	1519.9	11.32
130.	129.2	17.931	17.909	34.510	24.921	24.914	41.597	127.8	2.93	54.4	307.1	0.621	1517.2	7.43
140.	139.2	17.276	17.253	34.504	25.074	25.068	41.793	125.7	2.88	52.8	292.7	0.651	1515.4	6.37
150.	149.1	16.644	16.620	34.510	25.229	25.222	41.988	123.5	2.83	51.2	278.2	0.680	1513.7	9.45
160.	159.0	15.361	15.336	34.511	25.521	25.515	42.368	107.8	2.48	43.7	250.4	0.706	1509.9	5.57
170.	169.0	15.062	15.036	34.511	25.588	25.581	42.455	110.3	2.53	44.4	244.3	0.731	1509.1	4.67
180.	178.9	14.356	14.329	34.518	25.746	25.739	42.662	107.4	2.47	42.6	229.4	0.754	1507.0	4.51
190.	188.8	13.453	13.426	34.506	25.924	25.918	42.907	107.6	2.47	41.9	212.4	0.777	1504.2	11.21
200.	198.8	13.039	13.012	34.507	26.009	26.003	43.022	111.3	2.56	43.0	204.5	0.797	1503.0	0.88
220.	218.6	12.365	12.335	34.503	26.139	26.133	43.203	109.3	2.51	41.7	192.5	0.837	1501.1	5.29
240.	238.5	11.843	11.812	34.506	26.241	26.235	43.345	107.1	2.46	40.4	183.1	0.875	1499.7	2.14
260.	258.4	11.259	11.226	34.509	26.353	26.346	43.502	104.0	2.39	38.7	172.8	0.911	1498.0	3.16
280.	278.2	10.883	10.849	34.507	26.419	26.412	43.599	102.2	2.35	37.8	166.8	0.945	1497.0	4.63
300.	298.1	10.288	10.253	34.517	26.532	26.525	43.759	98.6	2.27	36.0	156.2	0.977	1495.2	2.62
320.	318.0	9.794	9.757	34.525	26.623	26.616	43.891	96.1	2.21	34.7	147.7	1.007	1493.8	2.77
340.	337.8	9.492	9.454	34.526	26.674	26.667	43.967	95.5	2.20	34.3	143.1	1.036	1493.0	3.96
360.	357.7	9.132	9.092	34.534	26.739	26.732	44.062	93.3	2.14	33.2	137.1	1.064	1492.0	4.33
380.	377.5	8.818	8.777	34.551	26.802	26.795	44.151	91.3	2.10	32.3	131.3	1.091	1491.2	2.55
400.	397.4	8.684	8.642	34.554	26.826	26.819	44.187	89.9	2.07	31.7	129.4	1.117	1491.1	1.24
420.	417.2	8.549	8.504	34.562	26.853	26.846	44.226	89.2	2.05	31.3	127.1	1.143	1490.9	2.23
440.	437.1	8.358	8.312	34.568	26.888	26.880	44.277	88.2	2.03	30.8	124.0	1.168	1490.5	1.75
460.	456.9	8.314	8.265	34.571	26.897	26.889	44.290	87.2	2.01	30.5	123.5	1.193	1490.7	0.00
480.	476.7	8.189	8.139	34.579	26.922	26.915	44.326	87.5	2.01	30.5	121.3	1.217	1490.6	1.86
500.	496.6	8.025	7.973	34.592	26.957	26.949	44.375	85.1	1.96	29.6	118.2	1.241	1490.3	2.31
550.	546.2	7.609	7.554	34.611	27.034	27.026	44.488	83.1	1.91	28.6	111.4	1.298	1489.6	1.38
600.	595.8	7.320	7.262	34.610	27.075	27.067	44.556	84.0	1.93	28.7	108.1	1.353	1489.3	1.38
650.	645.3	6.761	6.700	34.585	27.134	27.125	44.666	89.1	2.05	30.1	102.6	1.406	1487.9	1.52
700.	694.9	6.672	6.606	34.588	27.148	27.139	44.688	89.4	2.06	30.1	101.9	1.457	1488.4	0.00
fin	747.	741.5	6.600	6.530	34.587	27.157	44.705	89.4	2.06	30.1	101.6	1.505	1488.9	0.87

Vitesse verticale moyenne du son entre 2. et 747. dbar : 1500.7 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

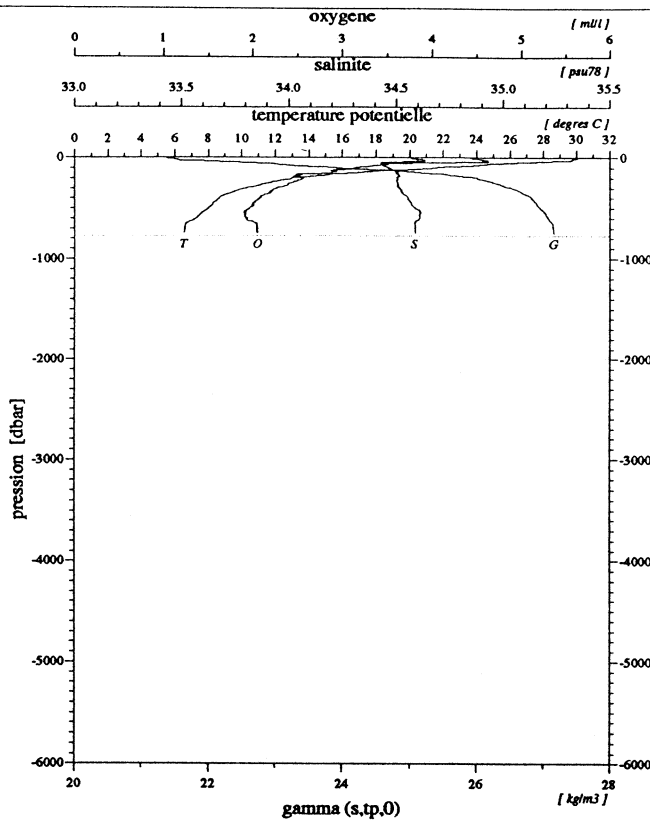


Diagramme salinite / oxygene

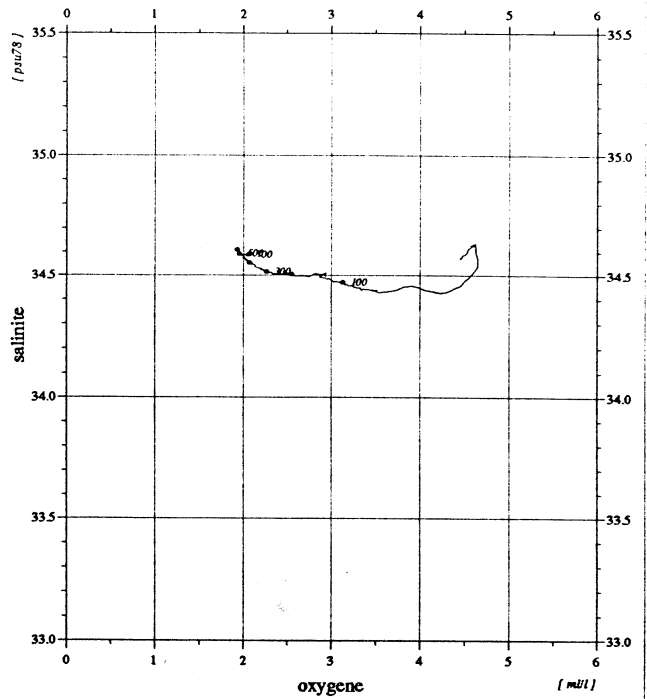


Diagramme temperature potentielle / salinite

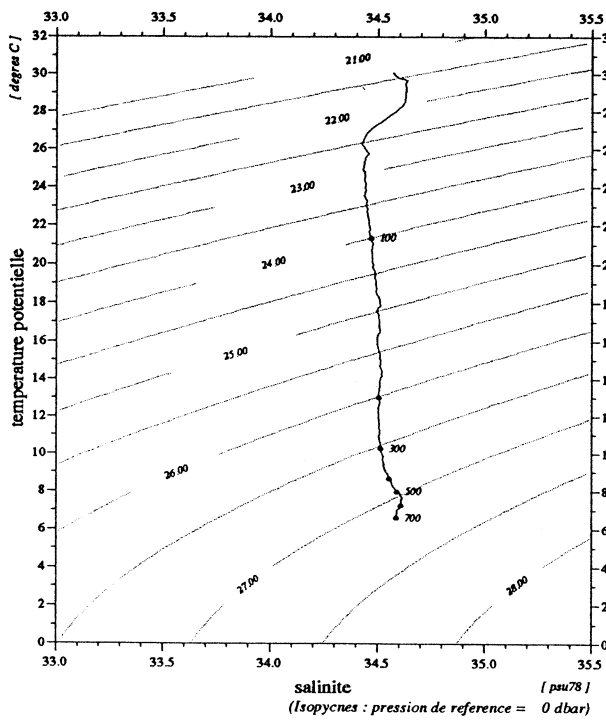
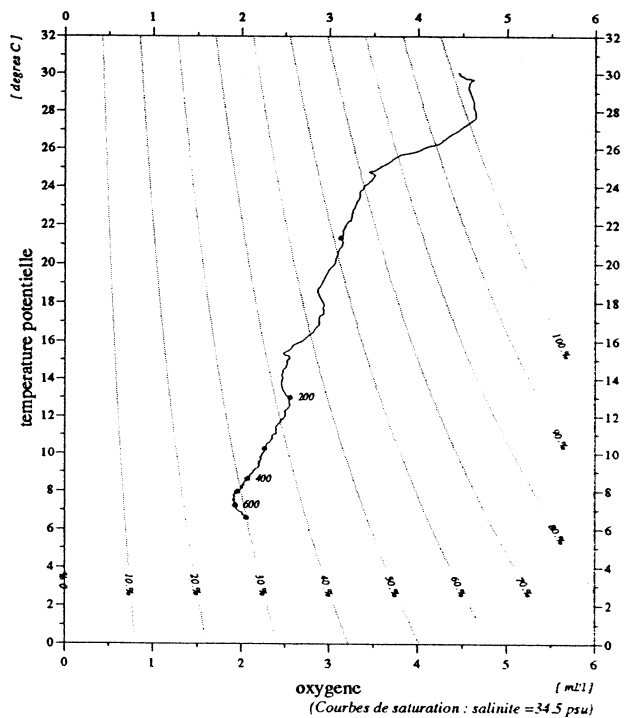


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	747.
temperature	30.010	6.600
theta	30.010	6.530
salinite	34.575	34.587
gamma (s,tp,0)	21.407	27.157
oxygene	4.45	2.06

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 766 m ( 772 dbar)	
17- 3-1992	9.14' 8 S
17.02 tu	120.13' 7 E

MD71/JADE2

Station 50.20

94/01/24  
13:47:30

STATION-5030

1

JADE 92

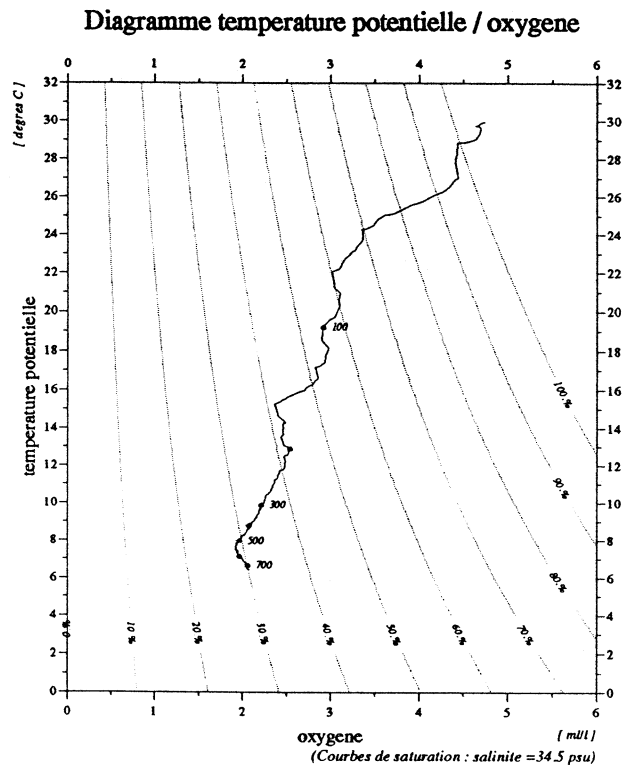
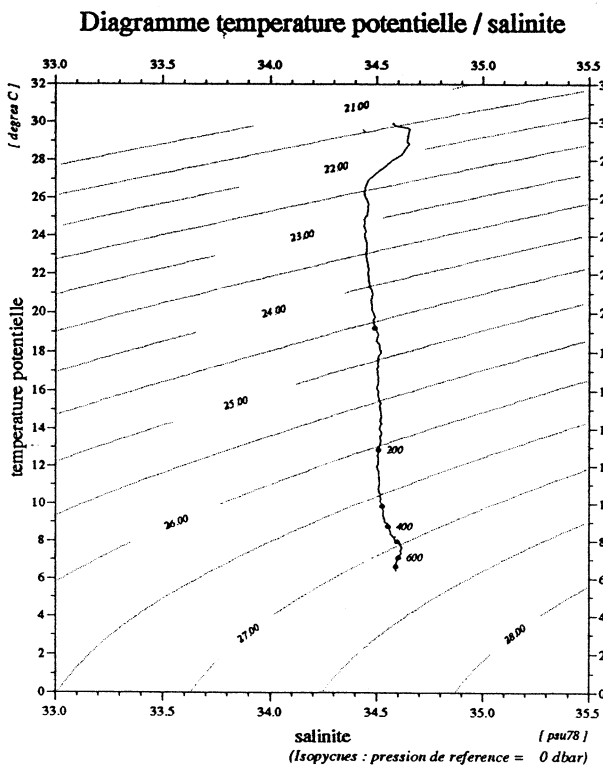
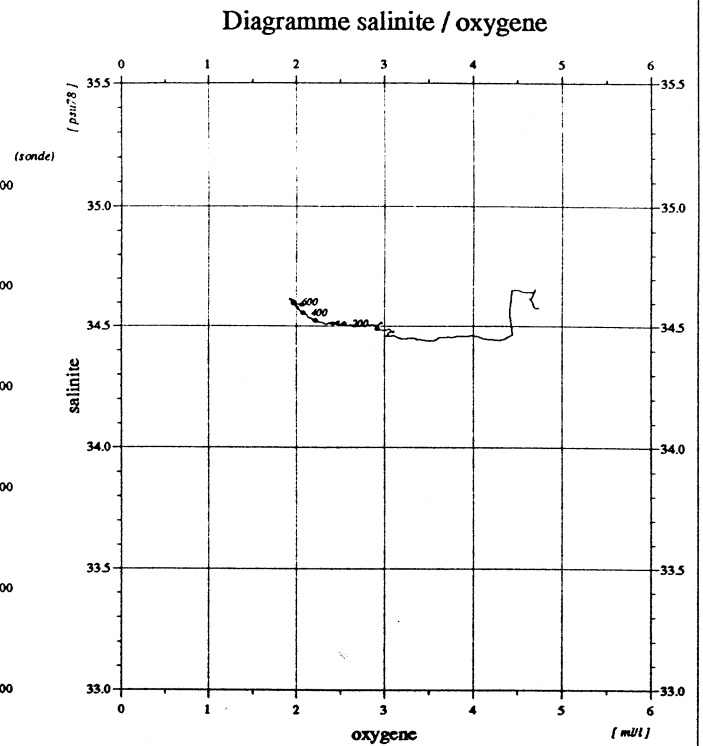
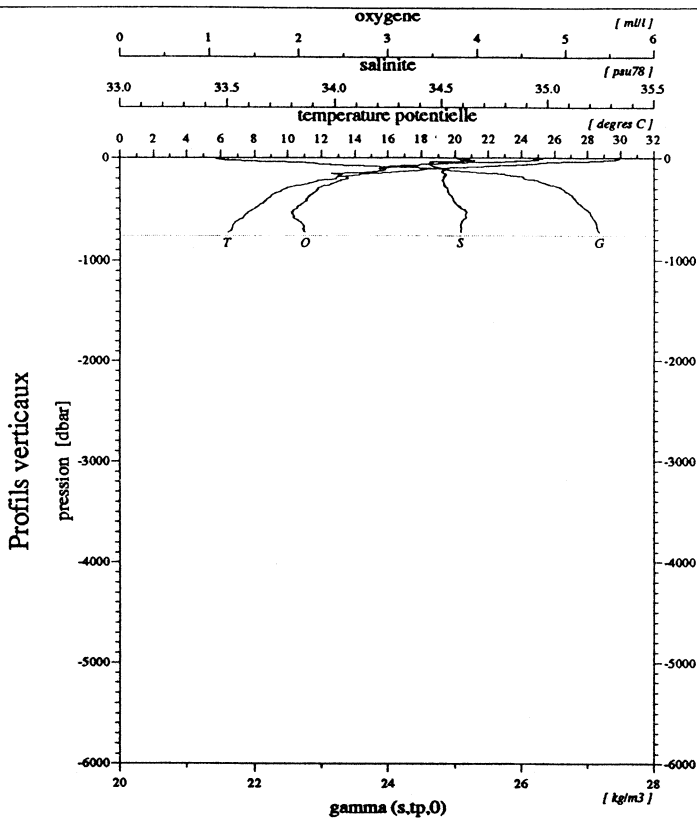
station : 50.30

donnees reduites a 10 dbar

le 17/ 3/1992 a 20.31 tu -9.1493 120.1385 sonde: 751 m ( 757.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
3.	3.0	29.915	29.915	34.577	21.441	21.438	37.486	206.3	4.72	107.7	635.1	0.000	1545.0	0.00
10.	9.9	29.938	29.936	34.577	21.434	21.430	37.478	207.4	4.74	108.3	636.1	0.044	1545.2	0.00
20.	19.9	29.705	29.700	34.640	21.561	21.557	37.614	204.8	4.68	106.6	624.4	0.107	1545.0	5.87
30.	29.8	28.277	28.270	34.616	22.020	22.015	38.136	193.4	4.43	98.4	580.9	0.168	1542.0	15.96
40.	39.8	26.146	26.137	34.444	22.573	22.569	38.793	183.1	4.19	89.9	528.3	0.224	1537.2	12.48
50.	49.7	25.110	25.099	34.454	22.900	22.895	39.171	160.9	3.68	77.7	497.4	0.275	1534.9	6.49
60.	59.7	24.539	24.527	34.440	23.063	23.057	39.363	152.1	3.48	72.7	482.3	0.324	1533.7	13.18
70.	69.6	23.745	23.730	34.448	23.304	23.299	39.646	146.8	3.36	69.2	459.6	0.372	1531.9	15.73
80.	79.5	22.096	22.080	34.459	23.786	23.780	40.216	131.4	3.01	60.2	413.9	0.415	1527.9	7.14
90.	89.5	20.653	20.636	34.472	24.192	24.186	40.703	134.9	3.09	60.3	375.4	0.454	1524.2	12.28
100.	99.4	19.238	19.220	34.490	24.577	24.571	41.172	127.3	2.92	55.5	339.0	0.490	1520.4	10.23
110.	109.4	18.289	18.270	34.513	24.834	24.828	41.487	128.9	2.96	55.2	314.7	0.522	1517.9	4.51
120.	119.3	17.928	17.907	34.519	24.927	24.921	41.603	128.8	2.96	54.8	306.1	0.553	1517.0	4.42
130.	129.2	17.219	17.197	34.507	25.090	25.084	41.812	124.1	2.85	52.1	290.9	0.583	1515.1	3.03
140.	139.2	16.156	16.134	34.502	25.334	25.328	42.127	118.7	2.73	48.8	267.7	0.610	1512.0	7.83
150.	149.1	15.318	15.295	34.518	25.536	25.530	42.385	103.6	2.38	41.9	248.7	0.636	1509.6	4.75
160.	159.0	14.313	14.290	34.518	25.754	25.748	42.673	108.2	2.49	42.9	228.0	0.660	1506.6	3.39
170.	169.0	13.976	13.952	34.511	25.820	25.814	42.764	107.1	2.46	42.2	221.9	0.682	1505.6	7.27
180.	178.9	13.066	13.041	34.509	26.005	25.999	43.016	107.5	2.47	41.6	204.4	0.704	1502.8	5.25
190.	188.8	12.950	12.924	34.511	26.030	26.024	43.049	110.5	2.54	42.6	202.3	0.724	1502.6	2.84
200.	198.8	12.887	12.860	34.511	26.042	26.036	43.067	110.6	2.54	42.6	201.3	0.744	1502.5	0.62
220.	218.6	11.875	11.847	34.504	26.234	26.228	43.335	107.8	2.48	40.7	183.3	0.783	1499.4	6.19
240.	238.5	11.550	11.519	34.510	26.300	26.293	43.426	104.6	2.40	39.2	177.4	0.819	1498.7	2.84
260.	258.4	11.043	11.011	34.511	26.393	26.387	43.560	102.5	2.36	38.0	168.8	0.854	1497.2	4.91
280.	278.2	10.307	10.274	34.518	26.529	26.523	43.755	98.3	2.26	35.9	156.0	0.886	1495.0	3.09
300.	298.1	9.906	9.871	34.526	26.604	26.598	43.862	96.4	2.22	34.9	149.1	0.917	1493.9	3.55
320.	318.0	9.655	9.618	34.530	26.650	26.643	43.929	95.4	2.19	34.4	145.1	0.946	1493.3	1.52
340.	337.8	9.412	9.374	34.530	26.690	26.683	43.989	94.4	2.17	33.8	141.6	0.975	1492.7	3.61
360.	357.7	9.156	9.116	34.537	26.738	26.731	44.059	93.0	2.14	33.1	137.3	1.003	1492.1	1.64
380.	377.5	9.008	8.967	34.549	26.770	26.763	44.104	91.8	2.11	32.6	134.5	1.030	1491.9	1.38
400.	397.4	8.818	8.774	34.556	26.806	26.799	44.156	90.4	2.08	31.9	131.3	1.056	1491.6	1.24
420.	417.2	8.735	8.690	34.555	26.819	26.812	44.176	90.8	2.09	32.0	130.4	1.083	1491.6	1.07
440.	437.1	8.571	8.524	34.564	26.852	26.845	44.223	89.1	2.05	31.3	127.6	1.108	1491.3	1.38
460.	456.9	8.340	8.292	34.572	26.894	26.886	44.284	87.7	2.02	30.7	123.8	1.133	1490.8	2.05
480.	476.7	8.232	8.182	34.580	26.917	26.909	44.317	86.5	1.99	30.2	121.9	1.158	1490.7	2.47
500.	496.6	8.016	7.964	34.597	26.963	26.955	44.381	85.6	1.97	29.7	117.7	1.182	1490.3	1.07
550.	546.2	7.529	7.474	34.612	27.046	27.038	44.507	83.8	1.93	28.8	110.2	1.238	1489.3	1.38
600.	595.8	7.164	7.106	34.602	27.091	27.082	44.585	85.7	1.97	29.2	106.4	1.293	1488.7	1.24
650.	645.3	6.799	6.737	34.589	27.131	27.122	44.659	88.9	2.05	30.0	102.9	1.345	1488.1	1.38
700.	694.9	6.711	6.645	34.591	27.145	27.136	44.682	89.6	2.06	30.2	102.2	1.396	1488.5	1.64
fin	726.	720.7	6.460	6.392	34.589	27.177	27.168	44.737	90.1	2.07	99.2	1.423	1488.0	2.23

Vitesse verticale moyenne du son entre 3. et 726. dbar : 1500.0 m/s  
Pression de reference pour gamprf : 4000. dbar



	debut	fin
pression	3.	726.
temperature	29.915	6.460
theta	29.915	6.392
salinite	34.577	34.589
gamma (s,tp,0)	21.441	27.177
oxygene	4.72	2.07

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 751 m ( 757 dbar)	
17- 3-1992	9.14' 9 S
20.31 tu	120.13' 8 E

MD71/JADE2

Station 50.30

94/01/24  
13:47:36

STATION-5040

1

JADE 92

station : 50.40

donnees reduites a 10 dbar

le 18/ 3/1992 a 0.38 tu -9.1514 120.1406 sonde: 721 m ( 726.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	29.861	29.861	34.583	21.464	21.461	37.511	197.3	4.51	103.0	632.9	0.000	1544.9	0.00
10.	9.9	29.821	29.818	34.588	21.482	21.479	37.531	198.0	4.53	103.2	631.5	0.051	1545.0	3.67
20.	19.9	29.688	29.683	34.643	21.569	21.565	37.622	196.2	4.49	102.1	623.7	0.113	1544.9	5.90
30.	29.8	28.374	28.366	34.610	21.983	21.979	38.095	200.0	4.58	101.9	584.4	0.173	1542.2	7.35
40.	39.8	27.580	27.571	34.504	22.163	22.158	38.313	200.1	4.58	100.6	567.7	0.231	1540.5	10.00
50.	49.7	25.966	25.955	34.435	22.623	22.618	38.852	171.6	3.93	84.0	524.0	0.286	1536.9	8.84
60.	59.7	25.304	25.291	34.443	22.834	22.828	39.095	163.0	3.73	78.9	504.2	0.337	1535.5	3.34
70.	69.6	24.841	24.826	34.440	22.973	22.966	39.257	155.4	3.56	74.7	491.4	0.387	1534.6	6.65
80.	79.5	23.687	23.670	34.461	23.332	23.326	39.676	149.0	3.41	70.2	457.3	0.434	1531.9	9.91
90.	89.5	22.747	22.728	34.454	23.599	23.592	39.993	142.4	3.26	66.0	432.3	0.479	1529.7	12.73
100.	99.4	21.436	21.417	34.455	23.967	23.960	40.434	134.2	3.08	60.8	397.4	0.521	1526.4	10.71
110.	109.4	20.880	20.859	34.474	24.133	24.126	40.632	135.3	3.10	60.7	381.8	0.559	1525.1	6.84
120.	119.3	19.346	19.324	34.485	24.546	24.539	41.135	128.7	2.95	56.2	342.6	0.595	1521.1	4.15
130.	129.2	18.317	18.295	34.496	24.814	24.807	41.466	128.4	2.95	55.0	317.3	0.628	1518.3	7.38
140.	139.2	17.829	17.805	34.498	24.937	24.930	41.620	126.4	2.90	53.6	305.9	0.659	1517.0	3.96
150.	149.1	17.022	16.998	34.493	25.127	25.120	41.862	125.4	2.88	52.4	288.0	0.689	1514.8	14.66
160.	159.0	15.950	15.925	34.497	25.379	25.372	42.185	114.3	2.62	46.8	264.1	0.716	1511.7	4.91
170.	169.0	14.834	14.809	34.506	25.634	25.627	42.517	106.6	2.45	42.7	239.9	0.741	1508.4	11.41
180.	178.9	13.671	13.646	34.506	25.880	25.874	42.846	107.6	2.47	42.1	216.4	0.764	1504.8	8.23
190.	188.8	13.024	12.998	34.511	26.015	26.009	43.029	106.0	2.43	41.0	203.7	0.785	1502.8	4.11
200.	198.8	12.804	12.777	34.508	26.057	26.051	43.087	108.2	2.48	41.6	199.9	0.805	1502.3	4.42
220.	218.6	12.288	12.259	34.505	26.155	26.149	43.225	108.8	2.50	41.4	190.9	0.844	1500.8	1.64
240.	238.5	11.678	11.648	34.504	26.271	26.265	43.388	106.0	2.44	39.8	180.2	0.881	1499.1	3.55
260.	258.4	11.309	11.276	34.509	26.344	26.337	43.490	103.3	2.37	38.5	173.6	0.916	1498.1	1.75
280.	278.2	10.957	10.923	34.506	26.405	26.399	43.579	101.7	2.34	37.6	168.1	0.951	1497.2	4.38
300.	298.1	10.418	10.382	34.515	26.508	26.501	43.725	98.5	2.26	36.0	158.5	0.983	1495.7	2.23
320.	318.0	10.269	10.231	34.516	26.535	26.528	43.764	97.5	2.24	35.6	156.3	1.015	1495.5	2.77
340.	337.8	9.958	9.918	34.524	26.594	26.587	43.849	95.8	2.20	34.7	151.0	1.045	1494.7	3.55
360.	357.7	9.678	9.637	34.523	26.641	26.634	43.919	95.1	2.18	34.2	146.8	1.075	1494.0	3.33
380.	377.5	9.304	9.262	34.531	26.709	26.702	44.018	93.4	2.15	33.4	140.5	1.104	1493.0	1.07
400.	397.4	9.142	9.098	34.533	26.737	26.729	44.060	92.7	2.13	33.0	138.2	1.132	1492.7	2.77
420.	417.2	9.001	8.955	34.543	26.768	26.760	44.102	91.5	2.10	32.5	135.5	1.159	1492.6	2.23
440.	437.1	8.769	8.722	34.551	26.811	26.803	44.165	90.2	2.07	31.8	131.7	1.186	1492.0	3.03
460.	456.9	8.500	8.451	34.561	26.861	26.853	44.238	88.1	2.03	30.9	127.1	1.211	1491.4	1.86
480.	476.7	8.172	8.122	34.579	26.925	26.917	44.330	86.2	1.98	30.1	121.1	1.236	1490.5	3.96
500.	496.6	8.002	7.950	34.592	26.961	26.953	44.381	85.3	1.96	29.6	117.9	1.260	1490.2	2.14
550.	546.2	7.746	7.690	34.610	27.013	27.005	44.455	83.6	1.92	28.9	113.6	1.319	1490.1	2.14
600.	595.8	7.393	7.334	34.605	27.061	27.052	44.535	84.4	1.94	28.9	109.5	1.374	1489.5	1.24
650.	645.3	6.902	6.840	34.588	27.117	27.108	44.636	88.2	2.03	29.9	104.4	1.428	1488.5	0.00
700.	694.9	6.807	6.741	34.586	27.129	27.120	44.657	88.9	2.05	30.0	103.9	1.480	1488.9	1.38
fin 709.	703.8	6.708	6.642	34.586	27.142	27.132	44.679	89.0	2.05	30.0	102.7	1.489	1488.7	2.70

Vitesse verticale moyenne du son entre 2. et 709. dbar : 1501.8 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

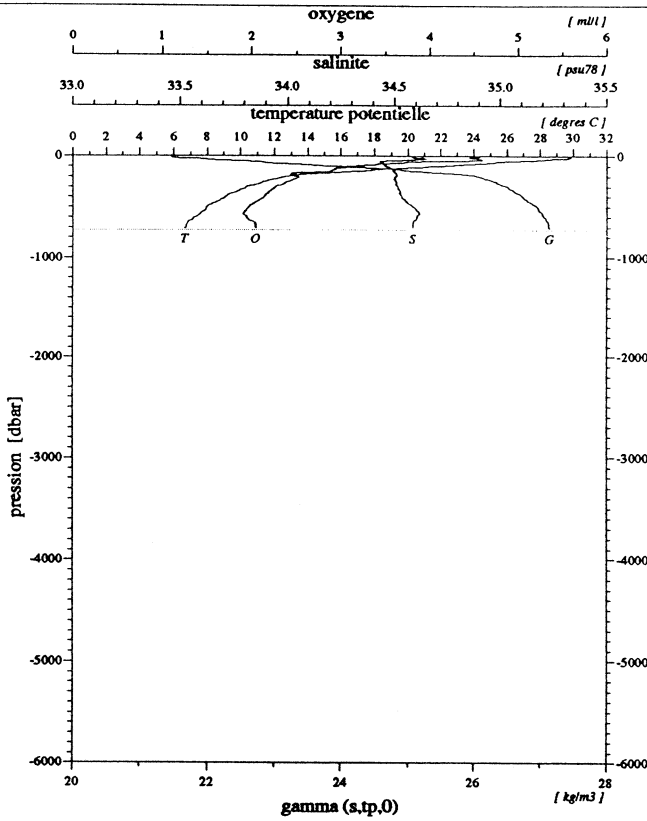


Diagramme salinite / oxygene

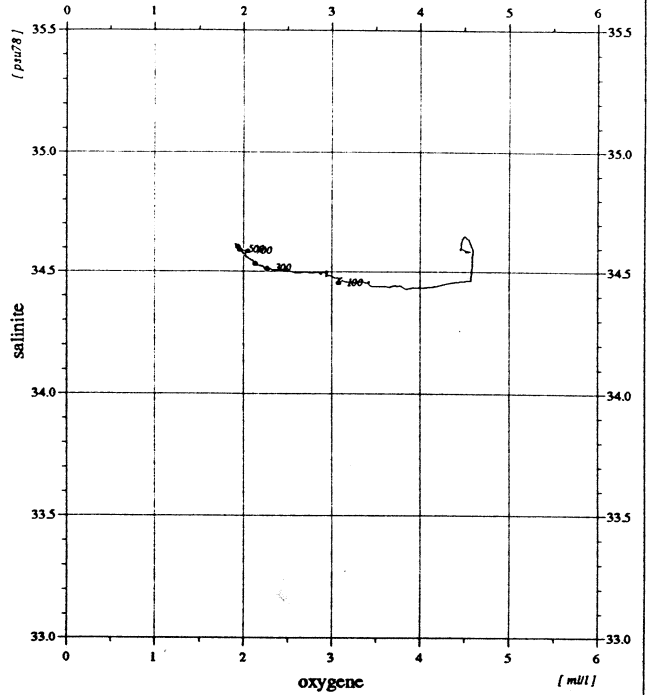


Diagramme temperature potentielle / salinite

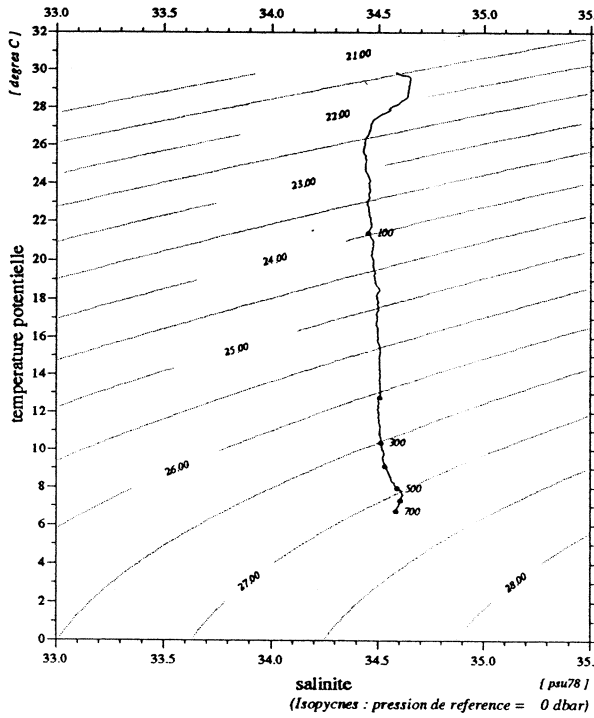
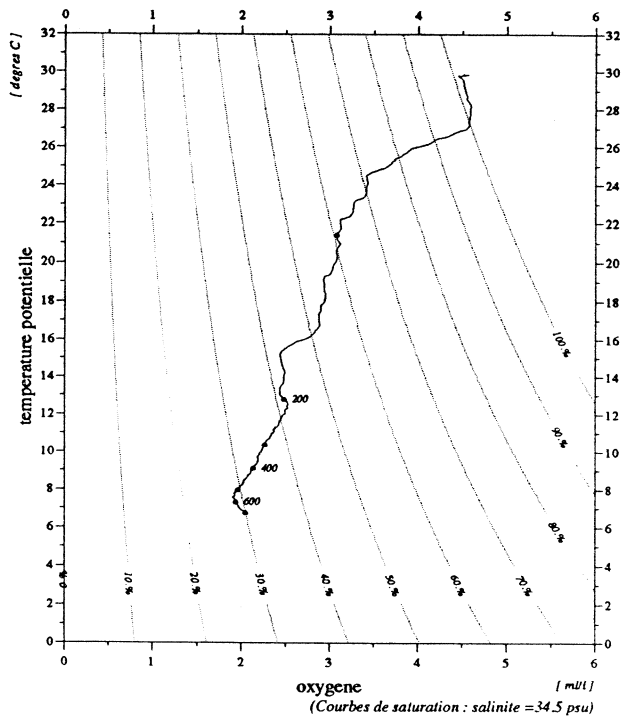


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	709.
temperature	29.861	6.708
theta	29.861	6.641
salinite	34.583	34.586
gamma (s,tp,0)	21.464	27.142
oxygene	4.51	2.05

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 721 m ( 726 dbar)

18- 3-1992 9.15' 1 S  
 0.38 tu 120.14' 0 E

MD71/JADE2

Station 50.40

94/01/24  
13:47:46

STATION-5050

1

JADE 92

station : 50.50

donnees reduites a 10 dbar

le 18/ 3/1992 a 7.00 tu -9.1508 120.1366 sonde: 732 m ( 737.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)
2.	2.0	30.106	30.106	34.604	21.396	21.393	37.432	192.1	4.39	100.6	639.4	0.000	1545.5	0.00
10.	9.9	29.894	29.891	34.605	21.470	21.467	37.515	196.9	4.50	102.8	632.7	0.051	1545.1	4.64
20.	19.9	29.195	29.190	34.653	21.742	21.738	37.817	202.2	4.63	104.4	607.1	0.114	1543.9	21.37
30.	29.8	28.206	28.199	34.592	22.025	22.021	38.145	201.4	4.61	102.3	580.4	0.172	1541.9	6.01
40.	39.8	25.642	25.633	34.438	22.725	22.720	38.969	168.3	3.85	81.9	513.8	0.227	1536.0	9.75
50.	49.7	24.973	24.962	34.435	22.927	22.922	39.205	154.2	3.53	74.2	494.8	0.278	1534.6	12.18
60.	59.7	23.877	23.864	34.472	23.283	23.278	39.617	151.7	3.47	71.7	461.2	0.326	1532.1	9.57
70.	69.6	22.576	22.561	34.453	23.646	23.640	40.049	137.2	3.14	63.4	426.9	0.370	1528.9	13.97
80.	79.5	21.153	21.137	34.465	24.051	24.045	40.534	134.1	3.08	60.5	388.5	0.411	1525.4	9.10
90.	89.5	20.528	20.511	34.481	24.232	24.226	40.750	132.0	3.03	58.9	371.6	0.449	1523.9	14.51
100.	99.4	18.579	18.562	34.499	24.750	24.745	41.385	126.2	2.89	54.3	322.4	0.483	1518.6	8.87
110.	109.4	18.061	18.042	34.500	24.879	24.874	41.547	127.2	2.92	54.2	310.3	0.515	1517.2	3.61
120.	119.3	17.643	17.622	34.503	24.984	24.979	41.679	123.9	2.84	52.4	300.6	0.545	1516.2	5.29
130.	129.2	16.607	16.586	34.504	25.232	25.226	41.994	124.9	2.87	51.8	277.2	0.574	1513.2	5.22
140.	139.2	15.796	15.774	34.500	25.415	25.409	42.232	114.6	2.63	46.8	259.9	0.601	1510.9	4.95
150.	149.1	15.287	15.264	34.519	25.544	25.538	42.395	107.2	2.46	43.3	247.9	0.626	1509.5	3.71
160.	159.0	15.113	15.089	34.519	25.582	25.576	42.446	107.2	2.46	43.2	244.5	0.651	1509.1	4.79
170.	169.0	14.384	14.359	34.517	25.739	25.733	42.653	108.0	2.48	42.9	229.8	0.675	1507.0	5.29
180.	178.9	13.542	13.517	34.513	25.912	25.906	42.887	105.7	2.43	41.3	213.4	0.697	1504.4	6.43
190.	188.8	12.724	12.699	34.509	26.073	26.067	43.109	106.8	2.45	41.0	198.1	0.717	1501.8	2.23
200.	198.8	12.596	12.569	34.509	26.098	26.093	43.145	107.2	2.46	41.1	195.9	0.737	1501.6	1.07
220.	218.6	11.863	11.835	34.504	26.236	26.230	43.338	107.7	2.47	40.6	183.1	0.775	1499.4	3.86
240.	238.5	11.395	11.365	34.508	26.326	26.320	43.465	102.9	2.36	38.4	174.8	0.810	1498.1	2.97
260.	258.4	11.218	11.186	34.508	26.359	26.353	43.512	102.7	2.36	38.2	172.1	0.845	1497.8	1.07
280.	278.2	10.706	10.672	34.513	26.456	26.449	43.649	98.7	2.27	36.3	163.2	0.879	1496.4	3.96
300.	298.1	10.273	10.238	34.519	26.536	26.529	43.765	97.5	2.24	35.6	155.8	0.911	1495.2	5.03
320.	318.0	9.949	9.912	34.521	26.593	26.587	43.849	96.7	2.22	35.0	150.6	0.941	1494.3	1.86
340.	337.8	9.453	9.414	34.524	26.679	26.672	43.975	94.9	2.18	34.0	142.6	0.971	1492.9	4.63
360.	357.7	9.319	9.279	34.529	26.705	26.698	44.012	94.8	2.18	33.9	140.5	0.999	1492.7	1.75
380.	377.5	9.268	9.226	34.532	26.715	26.708	44.027	94.4	2.17	33.7	139.9	1.027	1492.9	0.87
400.	397.4	9.023	8.979	34.537	26.759	26.752	44.092	93.7	2.15	33.3	136.0	1.055	1492.3	1.86
420.	417.2	8.909	8.863	34.549	26.787	26.779	44.129	92.6	2.13	32.8	133.6	1.081	1492.2	1.52
440.	437.1	8.848	8.800	34.549	26.797	26.790	44.145	91.5	2.10	32.4	133.0	1.108	1492.3	0.87
460.	456.9	8.634	8.584	34.556	26.836	26.828	44.202	90.8	2.09	32.0	129.6	1.134	1491.9	3.09
480.	476.7	8.423	8.372	34.564	26.876	26.868	44.260	89.5	2.06	31.3	126.0	1.160	1491.4	2.62
500.	496.6	8.129	8.077	34.581	26.934	26.926	44.343	88.4	2.03	30.8	120.6	1.185	1490.7	3.71
550.	546.2	7.842	7.786	34.614	27.003	26.995	44.437	84.6	1.95	29.3	114.6	1.244	1490.4	1.64
600.	595.8	7.543	7.483	34.609	27.042	27.034	44.503	84.7	1.95	29.1	111.4	1.300	1490.1	0.62
650.	645.3	7.064	7.001	34.596	27.100	27.091	44.604	86.4	1.99	29.4	106.2	1.355	1489.1	1.38
700.	694.9	6.808	6.741	34.589	27.130	27.121	44.659	88.0	2.03	29.7	103.7	1.407	1488.9	1.24
fin	712.	706.8	6.582	6.515	34.584	27.157	27.148	44.706	89.3	2.05	101.0	1.420	1488.2	3.66

Vitesse verticale moyenne du son entre 2. et 712. dbar : 1500.7 m/s  
Pression de reference pour gamprf : 4000. dbar



Profils verticaux

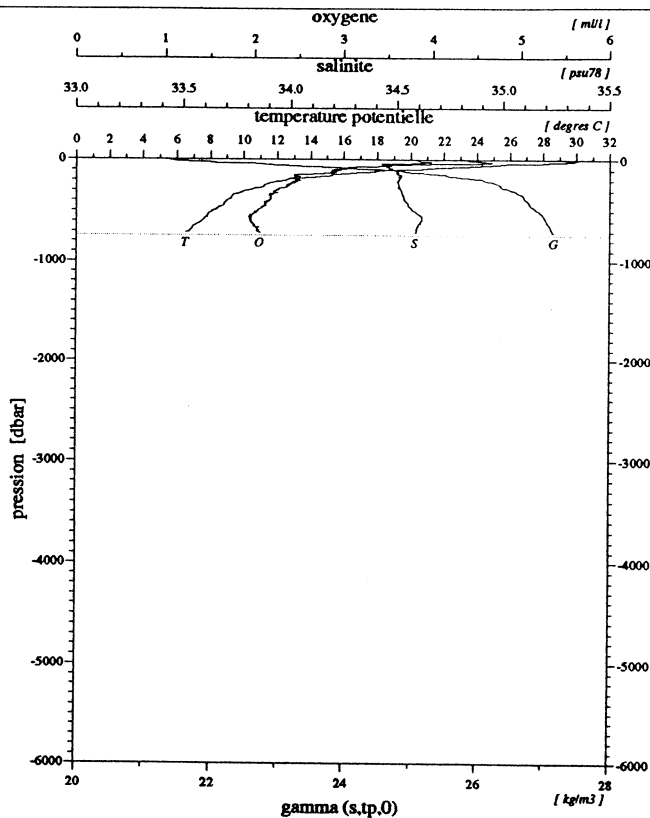


Diagramme salinite / oxygene

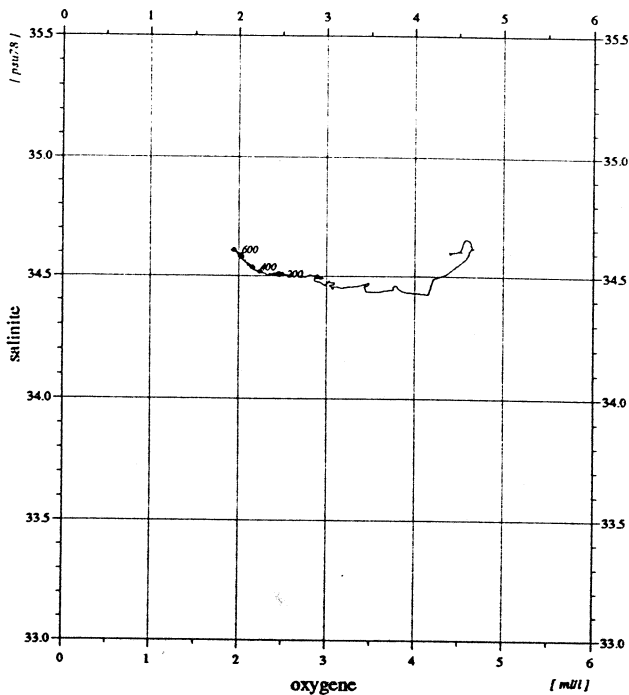


Diagramme temperature potentielle / salinite

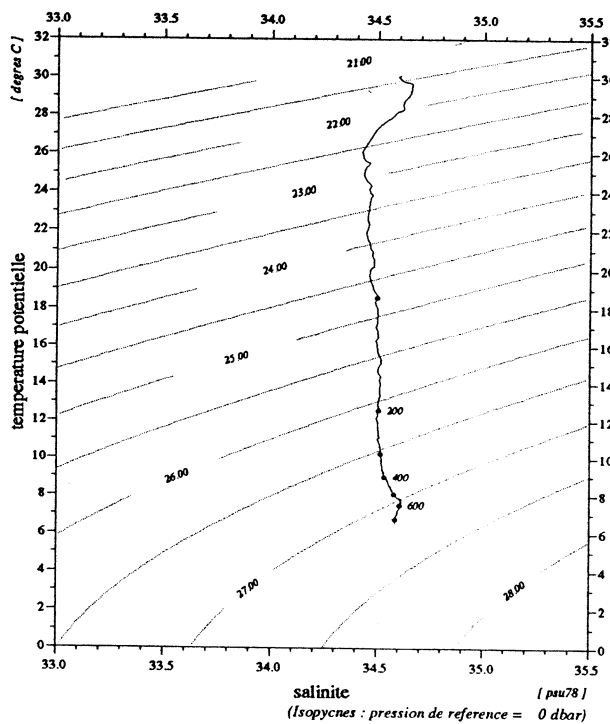
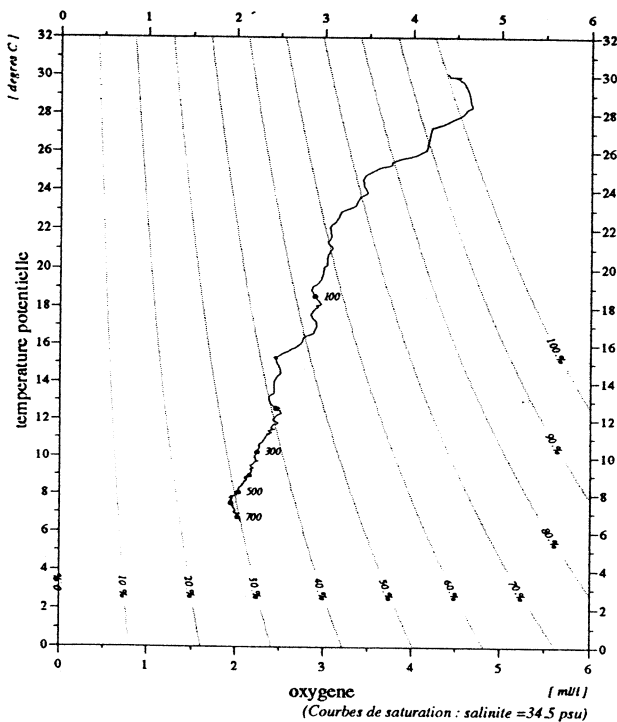


Diagramme temperature potentielle / oxygene



	debut	fin
pression	2.	712.
temperature	30.106	6.582
theta	30.106	6.515
salinite	34.604	34.584
gamma (s,tp,0)	21.396	27.157
oxygene	4.39	2.05

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 732 m ( 737 dbar)	
18-3-1992	9.15' 0 S
7.00 tu	120.13' 6 E

MD71/JADE2

Station 50.50

94/01/24  
13:47:27

STATION-5110

1

JADE 92

station : 51.10

donnees reduites a 10 dbar

le 17/ 3/1992 a 18.56 tu -9.2174 120.1304 sonde: 445 m ( 448.dbar)

press.	prof	temp.	teta	salin	gateta	gammat	gamprf	oxyg (miM/kg)	oxyg (ml/l)	%sat.	avsp (*1e5)	h-dyn (mdyn)	v(son)	bva (cph)	
4.	4.0	29.978	29.977	34.568	21.413	21.410	37.455	192.6	4.41	100.7	637.9	0.000	1545.2	0.00	
10.	9.9	29.973	29.970	34.566	21.414	21.410	37.457	191.4	4.38	100.0	638.0	0.038	1545.3	0.00	
20.	19.9	29.794	29.789	34.578	21.484	21.480	37.535	193.1	4.42	100.6	631.8	0.102	1545.1	3.28	
30.	29.8	28.962	28.955	34.623	21.798	21.793	37.884	200.5	4.59	103.2	602.2	0.164	1543.5	7.71	
40.	39.8	26.753	26.744	34.474	22.405	22.401	38.595	192.6	4.41	95.6	544.4	0.222	1538.6	19.32	
50.	49.7	25.585	25.574	34.445	22.748	22.743	38.995	166.0	3.80	80.8	512.0	0.274	1536.0	7.70	
60.	59.7	24.974	24.961	34.448	22.938	22.932	39.216	160.5	3.68	77.3	494.3	0.325	1534.8	6.01	
70.	69.6	24.372	24.358	34.463	23.130	23.124	39.439	155.7	3.57	74.2	476.3	0.374	1533.5	13.39	
80.	79.5	22.579	22.563	34.456	23.648	23.641	40.051	138.8	3.18	64.2	427.2	0.419	1529.1	11.17	
90.	89.5	21.114	21.097	34.466	24.062	24.056	40.547	130.4	2.99	58.8	387.8	0.460	1525.4	14.17	
100.	99.4	19.987	19.969	34.480	24.375	24.369	40.925	131.4	3.01	58.0	358.3	0.497	1522.5	8.26	
110.	109.4	18.812	18.793	34.490	24.685	24.679	41.307	127.6	2.93	55.2	328.9	0.531	1519.4	7.56	
120.	119.3	17.621	17.601	34.516	25.000	24.994	41.695	128.8	2.95	54.4	299.2	0.563	1516.1	4.59	
130.	129.2	17.176	17.154	34.510	25.102	25.096	41.827	127.1	2.92	53.3	289.6	0.592	1515.0	7.06	
140.	139.2	16.709	16.686	34.513	25.215	25.209	41.970	125.2	2.87	52.0	279.2	0.620	1513.7	4.15	
150.	149.1	16.452	16.428	34.509	25.273	25.266	42.045	124.0	2.85	51.3	274.0	0.648	1513.1	6.16	
160.	159.0	14.680	14.656	34.496	25.659	25.653	42.553	118.4	2.72	47.3	237.1	0.674	1507.7	7.66	
170.	169.0	13.823	13.799	34.507	25.849	25.843	42.804	114.3	2.62	44.9	219.1	0.697	1505.1	3.61	
180.	178.9	13.765	13.740	34.510	25.863	25.857	42.822	114.1	2.62	44.8	218.1	0.719	1505.1	4.33	
190.	188.8	13.280	13.254	34.506	25.960	25.954	42.955	112.1	2.58	43.5	209.0	0.740	1503.7	4.20	
200.	198.8	13.032	13.005	34.504	26.008	26.002	43.022	111.1	2.55	42.9	204.6	0.761	1503.0	5.43	
220.	218.6	11.894	11.865	34.502	26.228	26.223	43.328	107.6	2.47	40.6	183.8	0.800	1499.5	6.06	
240.	238.5	11.458	11.428	34.512	26.318	26.311	43.451	103.8	2.39	38.8	175.7	0.835	1498.3	2.90	
260.	258.4	10.961	10.929	34.506	26.404	26.398	43.577	102.2	2.35	37.8	167.8	0.870	1496.9	3.50	
280.	278.2	10.661	10.628	34.518	26.467	26.461	43.664	99.5	2.29	36.6	162.1	0.903	1496.2	2.40	
300.	298.1	10.447	10.411	34.523	26.509	26.502	43.723	98.3	2.26	36.0	158.5	0.935	1495.8	2.14	
320.	318.0	10.245	10.208	34.525	26.546	26.539	43.777	97.0	2.23	35.4	155.3	0.966	1495.4	1.52	
340.	337.8	10.023	9.983	34.526	26.585	26.578	43.834	96.5	2.22	35.0	151.9	0.997	1494.9	2.77	
360.	357.7	9.869	9.827	34.528	26.613	26.606	43.875	95.6	2.20	34.6	149.6	1.027	1494.7	1.86	
380.	377.5	9.639	9.596	34.533	26.656	26.648	43.937	94.8	2.18	34.1	145.8	1.057	1494.2	0.62	
400.	397.4	9.376	9.331	34.536	26.702	26.694	44.005	93.5	2.15	33.4	141.7	1.086	1493.6	3.66	
420.	417.2	8.765	8.720	34.550	26.810	26.803	44.165	90.9	2.09	32.1	131.3	1.113	1491.7	3.44	
fin	427.	424.2	8.662	8.616	34.556	26.831	26.824	44.194	91.2	2.10	32.1	129.4	1.122	1491.4	2.83

Vitesse verticale moyenne du son entre 4. et 427. dbar : 1508.7 m/s  
Pression de reference pour gamprf : 4000. dbar

Profils verticaux

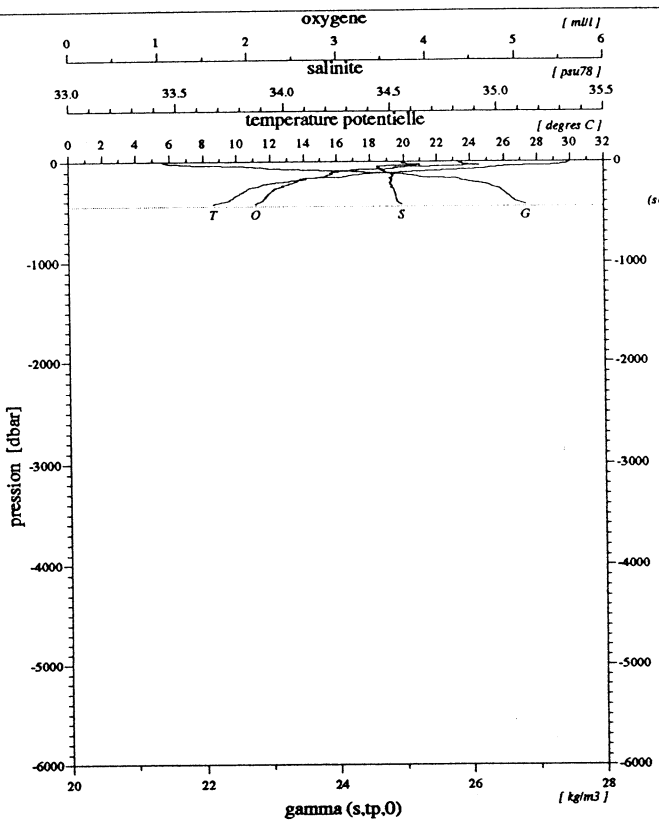


Diagramme salinite / oxygene

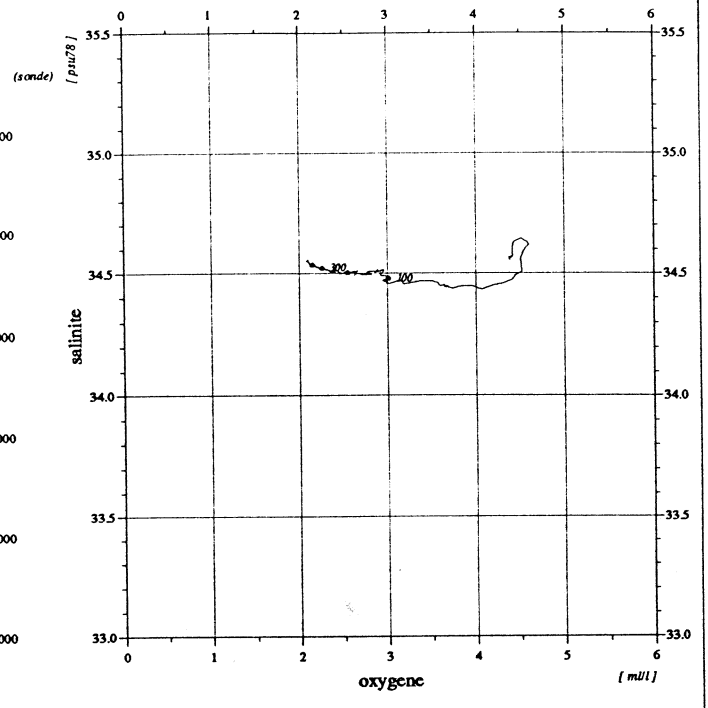


Diagramme temperature potentielle / salinite

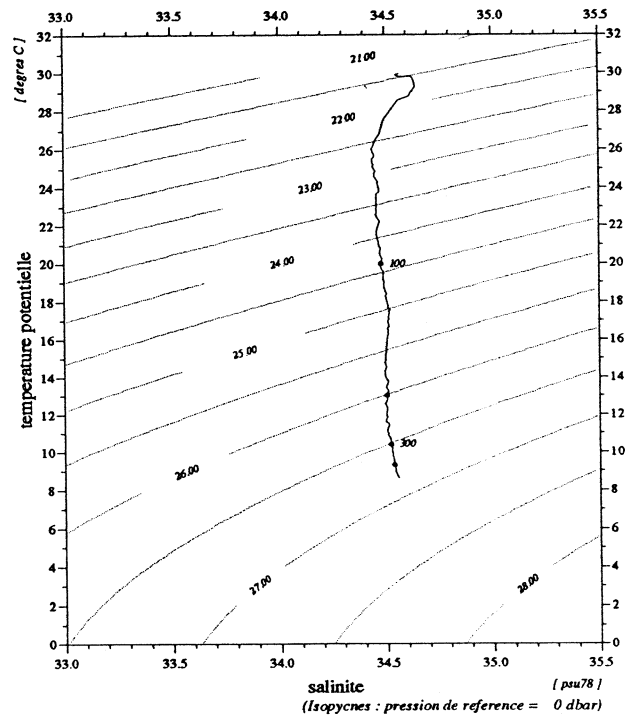
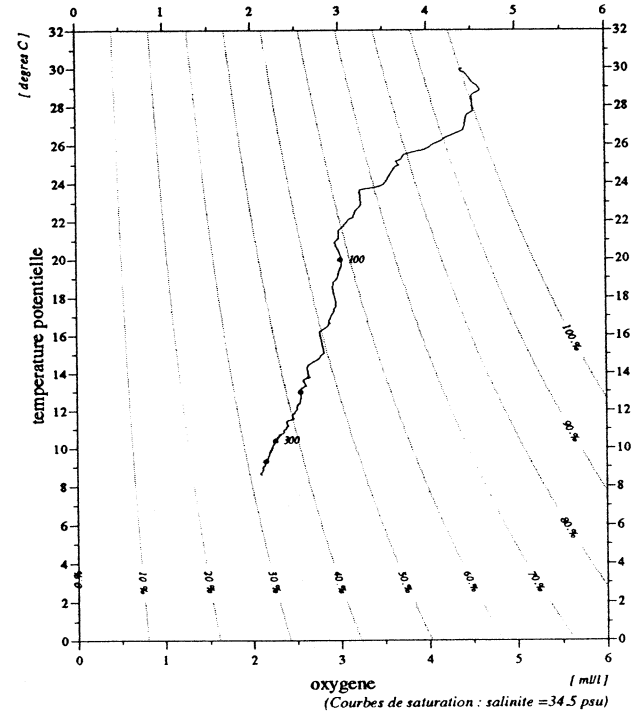


Diagramme temperature potentielle / oxygene



	debut	fin
pression	4.	427.
temperature	29.978	8.662
theta	29.977	8.616
salinite	34.568	34.556
gamma (s,tp,0)	21.413	26.831
oxygene	4.41	2.10

Niveaux reduits a 1 dbar  
 Bathysonde : NEIL-BROWN type Mark III no 01-1116  
 01/02/94

sonde 445 m ( 448 dbar)	
17- 3-1992	9.21' 7 S
18.56 tu	120.13' 0 E

MD71/JADE2

Station 51.10