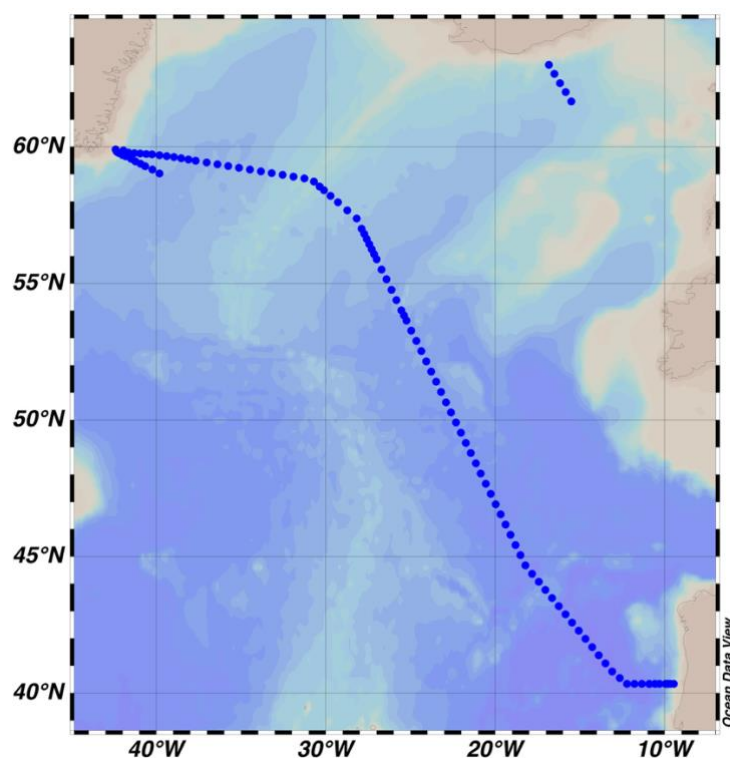


CRUISE REPORT: OVIDE06

Updated: July 2026



Highlights

Cruise Summary Information

Section Designation	OVIDE06		
Expedition Designation (ExpoCode)	06MM20060523		
Chief Scientists	Pascale Lherminier / Ifremer		
Dates	21 May – 28 June 2006		
Ship	<i>Maria S. Merian</i>		
Ports of Call	Lisbon, Portugal – Thorshavn, Faroes		
Geographic Boundaries	42.32°W	63°N	9.46°W
		40.33°N	
Stations	118		
Floats and Drifters Deployed	16 Floats		
Moorings Deployed and Recovered	4 Moorings recovered		

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Report assembled by Savannah Lewis

CAMPAGNE OVIDE 2006

M.V. MARIA MERIAN (mai - juin 2006)

Chef de Mission : P. L'Herminier, L.P.O. - Centre IFREMER de Brest



RECUEIL DES DONNÉES OVIDE 2006

Traceurs géochimiques (Éléments nutritifs et fréons)

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Août 2007

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I - Présentation de la campagne :

1 - Le projet OVIDE :

Le projet OVIDE contribue à l'observation des éléments de circulation du gyre subpolaire de l'Atlantique Nord, dans le but de mieux comprendre la variabilité du climat de l'océan Atlantique Nord et les interactions de cet océan avec l'atmosphère.

Les mers du Labrador, du Groenland et de Norvège sont le lieu de formation de l'Eau Profonde Nord Atlantique. Cette masse d'eau, qui forme la composante principale de la branche froide de la cellule méridienne de circulation en Atlantique, est exportée vers le sud par les courants profonds de bord ouest. La branche supérieure de la cellule méridienne de circulation transporte, via la dérive Nord Atlantique, l'eau chaude et salée subtropicale vers le nord. Celle-ci est progressivement refroidie et convertie en partie en eau modale subpolaire (SPMW), une des sources de l'Eau Profonde Nord Atlantique. La branche froide de la circulation thermohaline est liée à la branche chaude par l'existence de processus de mélange diapycnaux qui créent des transferts de chaleur et d'autres propriétés entre les deux branches. De par l'existence d'une branche chaude dont le transport est compensé par la branche froide, la cellule méridienne de circulation crée un transport de chaleur vers le nord de l'Atlantique et répond au forçage atmosphérique : sa variabilité pourrait être le signe, cause ou effet, de changements climatiques majeurs. La dérive Nord Atlantique et le gyre subpolaire de l'Atlantique Nord sont des régions importantes pour le climat de l'Europe par les transferts de chaleur qui y sont associés et qui participent à tempérer le climat européen (Stommel, 1979 ; Seager et al., 2002 ; Seager, 2003).

La variabilité basse fréquence de l'atmosphère en Atlantique Nord est caractérisée par l'Oscillation Nord Atlantique (NAO). L'indice NAO (défini comme la différence de pression atmosphérique de surface entre les Açores et l'Islande) présente un spectre de variabilité riche avec des pics (peut-être significatifs) à échelle décennale, 7-8 ans et inter-annuelle. A l'échelle de temps quasi-décennale, la variabilité de la circulation océanique montre une certaine corrélation avec celle de l'indice NAO. L'analyse de données historiques effectuée par Dickson *et al.* (1996) montre que l'activité convective dans l'Atlantique est modulée de façon synchrone dans les sites principaux de formation de masses d'eau: dans la mer des Sargasses (eau modale à 18°), dans la mer du Labrador, et dans la mer du Groenland (eau profonde Nord Atlantique). Ils suggèrent que cette modulation est liée à la NAO, de telle manière que les maxima d'activité convective dans les mers des Sargasses et du Groenland sont associés à un minimum en mer du Labrador (au cours des années 60, par exemple). La situation inverse prévalait dans les années 70 et 90. Joyce et al. (2000) complètent cette étude en montrant une corrélation entre l'index NAO et d'autres paramètres tels que la position du Gulf Stream et proposent un mécanisme, dans lequel l'océan joue un rôle actif, pour expliquer l'anti-corrélation entre la formation de l'eau à 18°C et celle de l'eau de la mer du Labrador. Curry et al. (1998) montrent que la signature de la variabilité de la formation de l'eau de la mer du Labrador peut-être suivie jusque dans les tropiques.

A ces mêmes échelles de temps, des anomalies de température ou salinité de grande échelle spatiale (2000 km) se propagent en surface autour du gyre subpolaire. Dickson et al. (1988) ont décrit la propagation de la "grande anomalie de sel" (GSA) autour du gyre subpolaire dans les années 1970. Cette anomalie a été créée par un apport accru d'eau peu salée d'origine arctique par le détroit de Fram. Belkin et al. (1998) ont aussi identifié des GSA dans les années 1980 et 1990 mais leur génération était localisée en mer du Labrador. Les GSA ont un impact sur la formation d'eau profonde (Curry et al. 1998). Hansen et Bezdek

(1996) et Sutton et Allen (1997) décrivent la propagation d'anomalies de température de surface dont l'origine est située en amont de la dérive Nord Atlantique. Une caractéristique de ces anomalies est que leur propagation est plus lente que celle déduite des échelles de temps advectives (Malmberg et Valdimarsson 1999).

Cependant, faute d'une base de données suffisante, la variabilité de l'océan à échelle de temps saisonnière à inter - annuelle n'est décrite que de manière incomplète et les différentes observations historiques ne sont pas reliées entre elles de manière rationnelle. Le projet OVIDE propose d'effectuer une section répétée tous les deux ans pendant dix ans d'hydrographie/géochimie/courantométrie entre la péninsule ibérique et le Groenland. La durée de 10 ans est choisie pour échantillonner un cycle de la période dominante de la NAO. Le pas d'échantillonnage de 2 ans permettra (grâce à la complémentarité avec la radiale du Dr. Meincke) d'échantillonner avec une période annuelle les courants de bord ouest profond exportant vers le sud les composantes les plus denses de l'eau profonde Nord Atlantique issue du Détroit du Danemark et des seuils Islande - Ecosse et d'observer la variabilité de leurs caractéristiques. Cette section s'insère dans le projet international de sections répétées d'hydrographie et géochimie coordonné dans l'Atlantique Nord dans le cadre de CLIVAR/GOOS. La périodicité choisie (2 ans) pour répéter notre section est un compromis entre la répétition annuelle des sections « mer du labrador » et « Ecosse - Islande » et celle de 3 ans choisie pour la section 48°N

Le projet OVIDE contribue depuis 2002 à l'observation des éléments de circulation du gyre subpolaire de l'Atlantique Nord, dans le but de mieux comprendre la variabilité du climat de l'océan Atlantique Nord et les interactions de cet océan avec l'atmosphère. Nous surveillons certaines caractéristiques océaniques qui ont un impact potentiellement important sur le climat de l'Europe :

- 1) L'amplitude de la cellule méridienne de circulation, responsable du flux de chaleur positif vers l'Europe ;
- 2) Les transports nets des nutriments, CFCs, CCl₄ et carbone anthropique ;
- 3) La formation de la SPMW associée à un transfert de chaleur de l'Atlantique Nord vers l'atmosphère ;
- 4) les caractéristiques des masses d'eau intermédiaires et profondes dont les sources en mer du Labrador, mer Méditerranée, mer de Norvège et mer du Groenland sont suffisamment proches de la région d'observation pour être rapidement affectées par la variabilité des forçages.

Contexte scientifique et objectifs en géochimie :

Depuis de nombreuses années, les traceurs chimiques sont utilisés pour aider à la compréhension de la circulation océanique et les potentialités offertes par les bases de données géochimiques sont reconnues par l'ensemble des océanographes physiciens. Deux séries de traceurs chimiques sont aujourd'hui couramment utilisés pour étudier la circulation océanique :

- les traceurs naturels (nitrates, phosphates, silicates) qui présentent dans l'océan profond sous certaines conditions des variations conservatives. En complément des traceurs physiques classiques (température, salinité), ils peuvent aider à l'identification des masses d'eau qui ne pourraient pas être distinguées par les seuls traceurs physiques (exemple : les Eaux Antarctique Intermédiaires AAIW et l'Eau Circumpolaire supérieure UCPW dans la zone équatoriale de l'Atlantique, Oudot et al., 1999) et contribuer à résoudre certains problèmes de circulation.

- les traceurs transitoires (fréons, CCl_4 , tritium, ...). Les teneurs de ces composés anthropogéniques ont largement évolué dans l'atmosphère ces dernières décennies. Ce sont des composés gazeux, solubles dans l'eau de mer, qui ont pénétré progressivement dans l'océan par échanges à l'interface océan - atmosphère. Généralement présents dans les eaux superficielles, ils sont aussi entraînés en profondeur dans les zones de convection de l'océan où est généré le flux d'eau froide de la circulation thermohaline : ils constituent donc d'excellents traceurs de la formation d'eau profonde ainsi que de la circulation thermohaline profonde dans l'océan. Parmi ceux-ci, les fréons ont été introduits dans l'atmosphère depuis les années 1930 par les activités humaines. Les concentrations des deux principaux fréons (CFC-11 et CFC-12) qui ont été les plus largement étudiés dans les eaux océaniques, ont augmenté de manière continue depuis le début de leur utilisation dans les années 30 jusqu'au milieu des années 70. A partir de cette période, les taux d'accroissement des deux fréons sont devenus pratiquement semblables jusqu'à dans les années 90. Depuis 1995, après le début de l'application du Protocole de Montréal bannissant l'utilisation de ces composés, les concentrations en CFC-11 ont commencé à décroître dans l'atmosphère alors que celles en CFC-12 continuaient de croître légèrement (Montzka et al., 1997). Les rapports des concentrations CFC-11/CFC-12 ont largement varié dans le temps avant le milieu des années 70 et ces rapports peuvent être utilisés pour estimer l'âge des masses d'eaux dans la fenêtre de temps comprise entre 1950 et 1975. Après cette date, il devient beaucoup plus difficile d'utiliser ces rapports pour estimer avec suffisamment de précision l'âge des masses d'eaux. L'utilisation d'autres traceurs transitoires (le CFC-113 et le CCl_4) qui présentent des potentialités semblables de traceurs que le CFC-11 et le CFC-12 et dont les concentrations ont évolué à des taux différents des autres fréons a été développée ces dernières années. La combinaison des rapports entre ces différents composés (CFC-11, CFC-12, CFC-113, CCl_4) permettent d'estimer avec une précision suffisante l'âge des masses d'eaux les plus récentes. Le CCl_4 qui a été utilisé dès le début des années 1900 et rejeté dans l'atmosphère à partir de cette époque permet également de dater les eaux plus vieilles (Eau Antarctique de Fond, ...). Nos résultats les plus récents obtenus lors des campagnes ARCANÉ ont permis de montrer que ce composé permettait de différencier de manière très nette les eaux issues de la Mer du Labrador (caractérisées par un maximum de concentrations) des eaux Eaux Méditerranéennes (caractérisées par un minimum marqué acquis en Méditerranée). Ces traceurs permettent donc de suivre les masses d'eau depuis qu'elles ont perdu tout contact avec l'atmosphère lors de leur plongée vers l'océan profond et de mesurer leur vitesse moyenne de déplacement depuis leur zone de formation.

L'ensemble de la gamme des traceurs chimiques naturels (nitrates, phosphate, silicates) et transitoires (CFC-11, CFC-12, CFC-113, CCl_4) sera mis en œuvre par notre groupe lors des sections d'hydrographie répétée pour contribuer à améliorer nos connaissances :

- sur la variabilité décennale de la circulation grande échelle des eaux profondes dans l'Atlantique Nord. Les composantes majeures des eaux profondes (Upper Labrador Sea Water uLSW, Classical Labrador Sea Water cLSW, Eaux issues des seuils du Danemark DSOW et d'Islande-Écosse ISOW, Eaux Méditerranéennes MOW) et l'Eau Modale Sub-Polaire SPMW) seront décrites et caractérisées. Nous étudierons en particulier les fluctuations de formation de l'Eau du Labrador et en particulier celles de la cLSW qui serait formée en plus grande quantité lors des hivers intenses (fin des années 80 - début des années 90) associés à de forts indices de la North Atlantic Oscillation (Smethie et al., 2000) alors que la formation de la composante supérieure uLSW serait plus régulière.

- sur les échelles de temps de la circulation profonde. Les vitesses moyennes d'écoulement seront estimées à l'aide des traceurs transitoires et comparées aux estimations récentes de Sy et al., 1997 qui ont décrit une accélération marquée de l'écoulement de l'Eau du

Labrador depuis les années 90. La variabilité interannuelle des taux de formation des différentes composantes de l'Eau Profonde Nord Atlantique seront estimés à partir des données historiques en CFC dans l'atmosphère (Warner et al., 1996) et des inventaires dans la colonne d'eau (Smethie et Fine, 2001).

Lors des campagnes OVIDE 2002 et 2006, le CFC-113 et le CCl₄ ont été utilisés pour étudier la circulation océanique dans l'Atlantique Nord. Les résultats obtenus à partir des rapports CCl₄/CFC-11 dans les eaux du Labrador ont permis d'estimer le temps apparent de transit entre la région de formation et la Mer d'Irminger et différentes zones du bassin Est où s'écoulent plusieurs veines de LSW. En Mer d'Irminger, deux veines ont été mises en évidence par leur maximums en CFC et CCl₄. La veine supérieure qui est la veine la plus jeune, la plus chaude, la plus salée et la moins dense des deux est certainement issue de la convection en mer d'Irminger. La veine inférieure a mis entre 2 et 4 ans pour parvenir depuis le bassin du Labrador ; sa vitesse d'advection est alors estimée à 1.05-2.09 cm.s⁻¹. La LSW s'écoule également dans le bassin Atlantique Est au travers de la zone de fracture Charlie Gibbs. Plusieurs ramifications sont mises en évidence. La branche s'écoulant vers le plateau de Rockall est âgée de 7 ans. Sa vitesse d'écoulement est voisine de 0.97 cm.s⁻¹. La branche s'écoulant vers le sud-ouest met entre 4 et 7 ans pour atteindre (45.47 °N - 19.05° W) depuis sa zone de formation ; sa vitesse d'advection est alors de 1.32-2.3 cm.s⁻¹. La branche s'écoulant dans le bassin d'Islande est âgée de 6-8 ans et sa vitesse d'advection est estimée à 0.82-1.09 cm.s⁻¹. La LSW s'écoule également dans le bassin Ibérique. Cette LSW a entre 12 et 20 ans.

2 – Description des données présentées dans ce rapport :

Ce volume présente les résultats des mesures en éléments nutritifs (silicates, nitrates, phosphates) et en fréons (CFC-11, CFC-12, CFC-113, CCl₄) aux différentes stations hydrologiques échantillonnées lors de la radiale OVIDE 2006 réalisée sur le M.V. « Maria Merian ». Lors de la campagne, les mesures ont été effectuées sur les prélèvements d'eau réalisés avec une rosette équipée de bouteilles hydrologiques de type Niskin de 7 litres de contenance lors de la remontée de la sonde CTD. Les valeurs de salinités utilisées pour la présentation des graphes propriétés / salinités ont été obtenues à partir des mesures effectuées sur les mêmes prélèvements d'eau avec la rosette que ceux des traceurs chimiques. Les analyses de salinités ont été réalisées par nos collègues du Laboratoire de Physique des Océans.

3 - Chronologie de la campagne OVIDE 2006 :

23/05/2006	Appareillage de Lisbonne
25/05/2006 - 17/06/2006	Réalisation de la radiale Lisbonne – Cap Farewell
19/05/2006 - 23/06/2006	Réalisation de la radiale Mer d'Irminger
26/06/2006	Réalisation de la radiale Bassin d'Islande
26 - 28/06/2006	Transit Islande – Iles Feroë
30/06/2006	Arrivée à Thorshavn

Tableau 1. Liste des scientifiques ayant contribué à l'acquisition des données en éléments nutritifs lors de la campagne OVIDE 2006, et à la rédaction de ce rapport.

Nom	Prénom	Analyses
Cariou	Thierry	Éléments nutritifs
Cocquempot	Boris	Fréons
Louarn	Essyllt	Fréons
Macé	Éric	Fréons - Éléments nutritifs
Morin	Pascal	Éléments nutritifs
Thoumelin	Guy	Fréons

4 - Tableau récapitulatif des stations :

Tableau 1. Coordonnées des stations occupées lors de la campagne OVIDE 2006.

Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
1	24/05/2006	14:28:00	38:26:00 N	10:42:00 W	3926m
2	25/05/2006	05:39:18	40:20:00 N	09:27:56 W	300m
3	25/05/2006	10:17:56	40:20:00 N	09:38:57 W	428m
4	25/05/2006	12:17:20	40:20:06 N	09:45:85 W	804m
5	25/05/2006	15:36:22	40:20:00 N	09:47:00 W	975m
6	25/05/2006	17:46:26	40:20:00 N	09:48:09 W	1344m
7	25/05/2006	20:37:00	40:20:00 N	09:52:56 W	2707m
8	26/05/2006	00:21:47	40:20:00 N	09:56:56 W	3400m
9	26/05/2006	05:18:29	40:19:99 N	10:01:97 W	3547m
10	26/05/2006	09:39:55	40:20:04 N	10:17:99 W	3898m
11	26/05/2006	14:37:55	40:20:09 N	10:34:50 W	4365m
12	26/05/2006	19:21:35	40:20:07 N	10:54:31 W	4853m
13	27/05/2006	18:44:18	40:19:94 N	10:54:24 W	4854m
14	28/05/2006	00:14:04	40:20:00 N	11:20:45 W	5104m
15	28/05/2006	05:46:55	40:20:00 N	11:46:72 W	5216m
16	28/05/2006	12:03:08	40:20:00 N	12:13:22 W	5261m
17	28/05/2006	18:05:47	40:33:06 N	12:38:76 W	5313m
18	29/05/2006	00:51:24	40:47:16 N	13:05:89 W	5345m
19	29/05/2006	07:12:44	41:05:04 N	13:29:46 W	5360m
20	29/05/2006	22:58:55	41:22:94 N	13:53:30 W	5355m
21	30/05/2006	05:10:40	41:40:98 N	14:16:62 W	5349m
22	30/05/2006	12:16:20	41:58:90 N	14:40:32 W	5340m
23	30/05/2006	18:30:13	42:16:81 N	15:03:95 W	5317m
24	31/05/2006	01:02:04	42:34:86 N	15:27:48 W	5058m
25	31/05/2006	10:59:28	42:52:86 N	15:51:02 W	4201m
26	31/05/2006	16:53:08	43:10:75 N	16:14:74 W	5132m
27	31/05/2006	23:03:58	43:28:73 N	16:38:39 W	4173m
28	01/06/2006	04:51:18	43:46:71 N	17 :02:00 W	3424m
29	01/06/2006	10:23:16	44:04:62 N	17:25:60 W	3773m
30	01/06/2006	15:54:44	44:22:07 N	17:49:00 W	4900m
31	01/06/2006	21:59:57	44:40:50 N	18:12:78 W	4824m
32	02/06/2006	03:52:01	45:03:04 N	18:30:33 W	4581m
33	02/06/2006	09:49:33	45:25:29 N	18:47:85 W	4576m
34	02/06/2006	15:43:19	45:47:71 N	19:05:43 W	4524m
35	02/06/2006	21:30:55	46:10:30 N	19:23:25 W	4615m
36	03/06/2006	03:24:25	46:32:57 N	19:40:43 W	4547m
37	03/06/2006	09:09:59	46:54:98 N	19:58:22 W	4494m
38	03/06/2006	17:59:05	47:17:55 N	20:15:68 W	4511m
39	03/06/2006	23:37:03	47:39:90 N	20:33:33 W	4346m

40	04/06/2006	05:08:39	48:02:31 N	20:51:05 W	4453m
41	04/06/2006	11:58:50	48:24:73 N	21:08:44 W	4330m
42	04/06/2006	17:33:21	48:47:20 N	21:26:02 W	4087m
43	04/06/2006	23:18:10	49:09:48 N	21:43:62 W	4648m
44	05/06/2006	05:12:16	49:31:89 N	22:01:21 W	4232m
45	05/06/2006	11:17:23	49:54:39 N	22:18:85 W	4007m
46	05/06/2006	17:21:42	50:16:75 N	22:36:34 W	4138m
47	05/06/2006	23:28:05	50:38:50 N	22:53:99 W	3725m
48	06/06/2006	05:31:23	51:01:64 N	23:11:65 W	3942m
49	06/06/2006	16:23:59	51:24:04 N	23:29:02 W	3279m
50	06/06/2006	21:37:06	51:46:37 N	23:46:65 W	3864m
51	07/06/2006	03:30:35	52 :08:68 N	24:04:20 W	3914m
52	07/06/2006	09:11:18	52:31:29 N	24:21:80 W	3605m
53	07/06/2006	17:23:20	52:53:58 N	24:39:27 W	3626m
54	07/06/2006	23:27:13	53:16:15 N	24:56:92 W	3532m
55	08/06/2006	05:19:28	53:38:36 N	25:14:35 W	3590m
56	08/06/2006	09:46:57	53:49:69 N	25:23:18 W	2782m
57	08/06/2006	13:46:44	54:00:92 N	25:32:14 W	3078m
58	08/06/2006	18:43:59	54:23:20 N	25:49:61 W	3058m
59	09/06/2006	01:52:46	54:45:69 N	26:07:31 W	3621m
60	09/06/2006	07:20:36	55:08:99 N	26:24:60 W	3392m
61	09/06/2006	14:24:16	55:30:34 N	26:42:44 W	3233m
62	09/06/2006	22:06:40	55:53:00 N	26:59:86 W	2880m
63	10/06/2006	02:00:10	56:04:11 N	27:08:69 W	2810m
64	10/06/2006	05:34:58	56:15:21 N	27:17:35 W	2745m
65	10/06/2006	09:35:05	56:26:47 N	27:26:08 W	2730m
66	10/06/2006	13:23:46	56:37:79 N	27:34:76 W	2718m
67	10/06/2006	17:16:00	56:48:96 N	27:43:82 W	2814m
68	10/06/2006	21:14:05	57:00:29 N	27:52:84 W	2752m
69	11/06/2006	02:41:14	57:22:52 N	28:10:39 W	2614m
70	11/06/2006	08:14:40	57:40:41 N	28:43:51 W	2612m
71	11/06/2006	14:56:22	57:58:22 N	29:16:60 W	2137m
72	11/06/2006	19:59:16	58:12:42 N	29:43:38 W	2233m
73	12/06/2006	00:26:52	58:24:51 N	30:06:11 W	2176m
74	12/06/2006	04:05:39	58:32:96 N	30:21:98 W	1613m
75	12/06/2006	08:00:23	58:43:56 N	30:41:70 W	1451m
76	12/06/2006	12:15:25	58:50:59 N	31:16:01 W	1363m
77	12/06/2006	16:27:32	58:54:59 N	31:54:60 W	1685m
78	12/06/2006	20:13:50	58:58:34 N	32:32:93 W	1884m
79	13/06/2006	00:09:42	59:02:34 N	33:11:57 W	2282m
80	13/06/2006	04:42:42	59:06:18 N	33:49:86 W	2284m
81	13/06/2006	09:21:48	59:09:95 N	34:28:72 W	2531m
82	13/06/2006	14:12:34	59:13:83 N	35:07:26 W	2988m
83	13/06/2006	19:06:59	59:17:96 N	35:45:74 W	3104m

84	14/06/2006	00:29:25	59:21:83 N	36:23:67 W	3097m
85	14/06/2006	05:35:09	59:25:72 N	37:01:73 W	3118m
86	14/06/2006	10:52:38	59:29:52 N	37:40:77 W	3118m
87	14/06/2006	15:56:19	59:32:17 N	38:06:26 W	3080m
88	15/06/2006	09:43:18	59:34:80 N	38:31:74 W	3006m
89	15/06/2006	14:34:09	59:37:50 N	38:57:52 W	2930m
90	15/06/2006	19:14:26	59:39:45 N	39:23:16 W	2846m
91	15/06/2006	23:33:00	59:41:52 N	39:49:04 W	2765m
92	16/06/2006	03:27:22	59:43:49 N	40:15:03 W	2662m
93	16/06/2006	06:57:13	59:44:41 N	40:35:85 W	2563m
94	16/06/2006	10:33:08	59:45:30 N	40:57:01 W	2252m
95	16/06/2006	13:54:47	59:46:22 N	41:18:07 W	2044m
96	16/06/2006	16:45:11	59:47:21 N	41:38:92 W	1875m
97	16/06/2006	20:12:23	59:51:96 N	41:56:61 W	1734m
98	17/06/2006	06:23:44	59:47:21 N	41:38:71 W	1876m
99	17/06/2006	09:22:30	59:46:26 N	41:17:97 W	2046m
100	17/06/2006	23:07:31	59:39:25 N	41:47:81 W	1881m
101	19/06/2006	08:07:19	59:01:51 N	39:48:98 W	4483m
102	19/06/2006	12:42:35	59:09:95 N	40:14:20 W	2929m
103	19/06/2006	16:36:04	59:17:52 N	40:39:45 W	2748m
104	19/06/2006	20:54:15	59:22:76 N	40:56:12 W	2588m
105	20/06/2006	00:52:02	59:27:99 N	41:14:10 W	2360m
106	21/06/2006	19:27:11	59:44:74 N	42:03:41 W	1756m
107	22/06/2006	01:30:47	59:49:31 N	42:20:11 W	376m
108	22/06/2006	02:53:44	59:54:31 N	42:23:85 W	230m
109	22/06/2006	09:13:05	59:48:56 N	42:18:11 W	824m
110	22/06/2006	11:21:48	59:49:03 N	42:19:07 W	502m
111	22/06/2006	13:43:36	59:47:64 N	42:15:95 W	1118m
112	22/06/2006	15:56:25	59:46:18 N	42:11:60 W	1591m
113	22/06/2006	18:34:24	59:41:97 N	41:59:98 W	1795m
114	22/06/2006	21:13:14	59:39:17 N	41:47:52 W	1879m
115	23/06/2006	00:23:02	59:33:66 N	41:29:15 W	2128m
116	26/06/2006	02:47:32	63:00:05 N	16:49:91 W	1407m
117	26/06/2006	06:24:12	62:40:26 N	16:30:12 W	1875m
118	26/06/2006	12:15:51	62:19:87 N	16:10:33 W	2102m
119	26/06/2006	16:41:46	62:00:39 N	15:50:24 W	2222m
120	26/06/2006	20:47:48	61:40:09 N	15:29:97 W	2294m

5 - Carte des positions des stations de la campagne OVIDE 2006 :

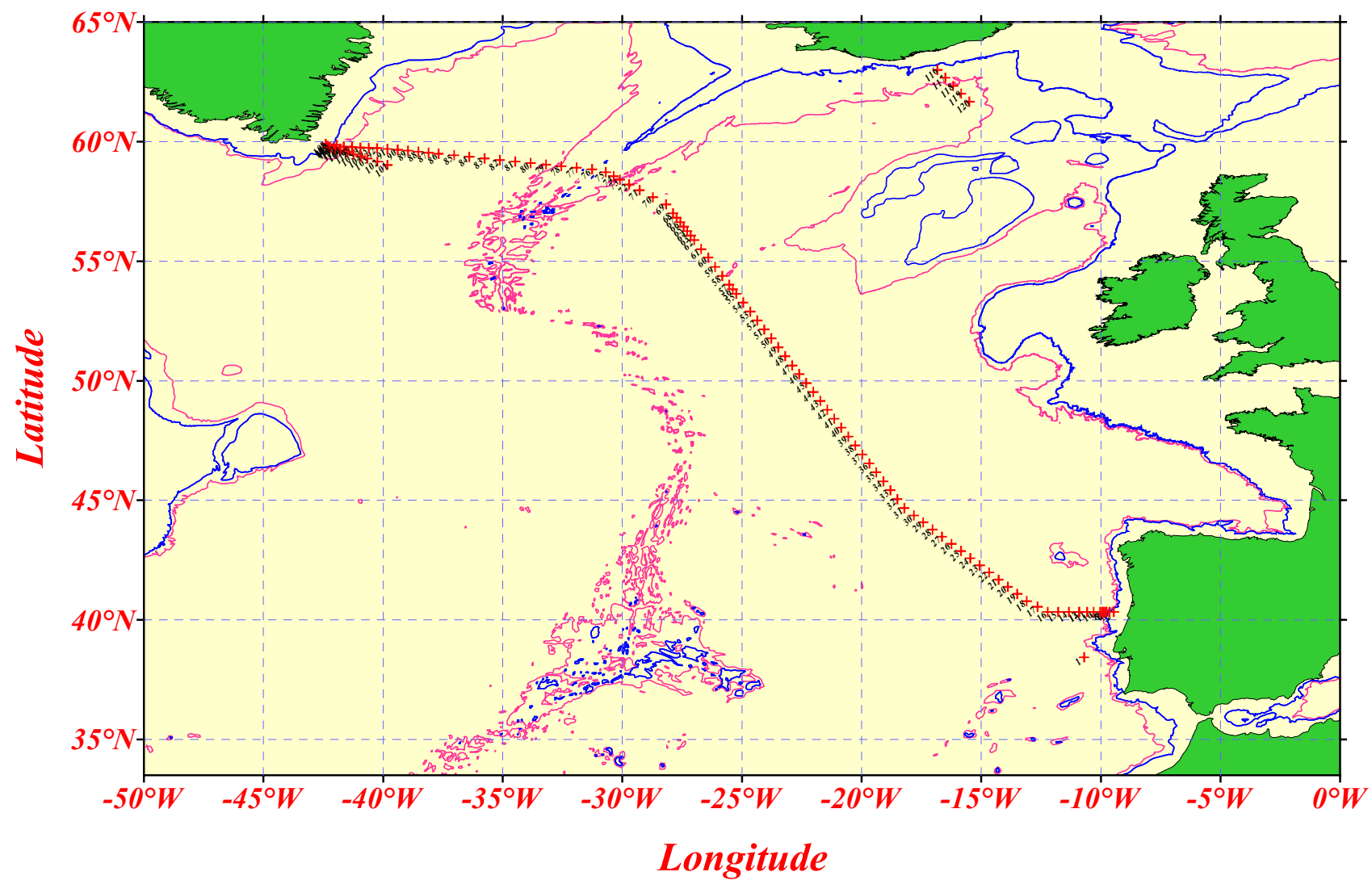


Figure 1a. Carte des positions des stations occupées lors de la campagne OVIDE 2006.

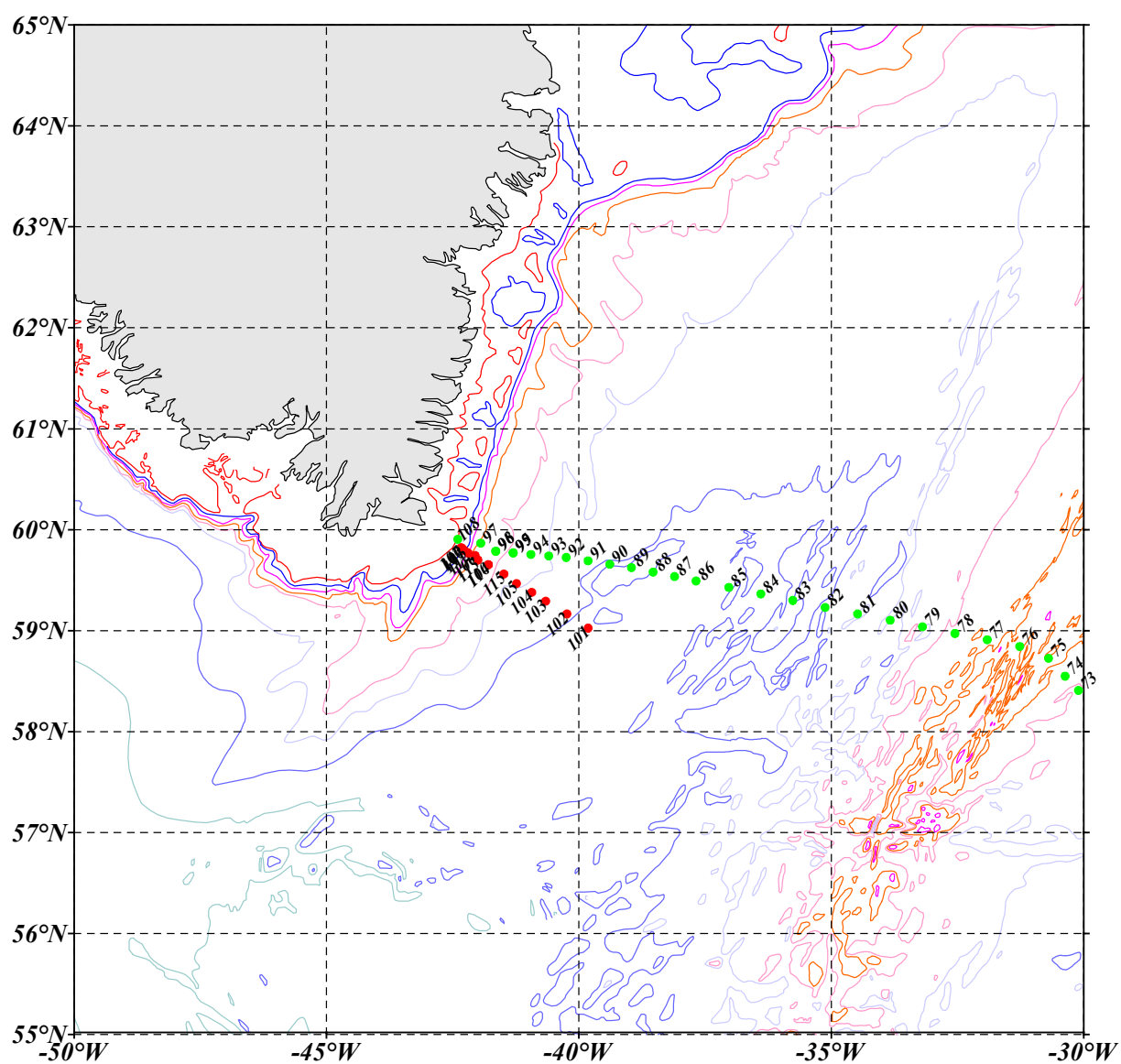


Figure 1b. Carte des positions des stations occupées en Mer d'Irminger lors de la campagne OVIDE 2006.

II – Techniques de prélèvement et méthodes d'analyse :

1 – Techniques de prélèvement :

Les prélèvements d'eau pour les analyses des éléments nutritifs et des fréons ont été réalisés à l'aide d'un système bathysonde muni d'une rosette équipée de 28 bouteilles Niskin de 5 litres de contenance. Les prélèvements ont été effectués lors de la remontée de la bathysonde à différents paliers dont les immersions ont été déterminées après examen des profils de températures, salinités et oxygène à la descente.

A - Prélèvements des échantillons d'éléments nutritifs :

Les échantillons destinés à l'analyse des éléments nutritifs ont été prélevés dans des flacons en polyéthylène de 125ml de contenance après la remontée de la bathysonde sur le pont. Les flacons préalablement rincés à l'eau déionisée sont rincés 3 fois avec l'eau à analyser avant le prélèvement. Les échantillons destinés aux mesures des éléments nutritifs ont été ensuite analysés immédiatement après le prélèvement à bord du navire.

B - Prélèvements des échantillons de fréons :

Le prélèvement de l'eau de mer en vue de l'analyse des fréons nécessite de prendre de grandes précautions compte tenu des fortes concentrations existant dans l'air comparativement à celles dans l'eau de mer. Alors que les concentrations dans l'air sont estimées à 22 pmol/kg en CFC 12 (500 pptv), 13 pmol/kg (300 pptv) en CFC 11, elles sont souvent inférieures à 0.1 pmol/kg dans les eaux de fond. Le prélèvement des échantillons d'eau de mer nécessite donc d'éviter tout contact avec l'air ambiant.

Afin d'éviter tout contact avec l'air, les échantillons d'eau de mer sont recueillis dans des préleveurs parfaitement étanches (de contenance d'environ 30 ml) remplis d'azote ultrapur décrit par Pruvost et al. 1999. Les préleveurs sont constitués par des ampoules en verre munies de deux robinets 3 voies en PTFE à leurs extrémités. Les ampoules de prélèvement sont remplies d'azote ultra pur avant les prélèvements d'eau de mer afin d'éviter tout contact des échantillons avec l'air. Les matériaux constitutifs de ces préleveurs sont inertes chimiquement et ne relarguent pas de CFC. Chacune de ces ampoules est préalablement calibrée en volume (par pesée) au laboratoire afin de connaître avec précision le volume d'eau de mer analysée en Fréons. Les échantillons peuvent être stockés jusqu'à 16 heures sans craindre de contaminations. Lors du prélèvement, l'ampoule est reliée au robinet de la bouteille Niskin par un tube en inox qui est purgé sous vide et rincé avant l'échantillonnage. Les ampoules de prélèvement sont rincées abondamment avec l'eau à analyser et ensuite stockées dans des bacs remplis d'eau de mer jusqu'à l'analyse.

2 – Procédures de mesures :

A – Protocole d'analyse des éléments nutritifs : nitrates, silicates, phosphates :

Les analyses des éléments nutritifs ont été effectuées selon les protocoles classiques et les méthodes décrits en détail dans Aminot et Chaussepied (1983).

a - Dosage des silicates Si(OH)_4 :

La mesure des silicates a été réalisée selon la méthode de référence de Mullin et Riley (1955) modifiée par Fanning et Pilson (1973). Le silicium est dissous dans l'eau de mer essentiellement (95%) sous forme de molécules d'acide orthosilicique Si(OH)_4 et 5% sous forme ionisée SiO(OH)^{3-} . Par analogie avec les autres sels nutritifs (nitrates, phosphates), le terme de "silicates" dissous continue à être improprement utilisé. Les "silicates" dissous dans l'eau de mer sous forme d'acide orthosilicique monomère ou dimère réagissent en milieu acide ($1 < \text{pH} < 2$) avec les ions molybdate pour former un hétéropolyacide, l'acide

silicomolybdique. Ce complexe jaune est réduit par un mélange de "métol" (sulfate de méthyl-amino-4-phénol) et de sulfite de sodium pour former un "bleu de molybdène". L'interférence avec les phospho- et arséniomolybdates est évitée en opérant à pH convenable et en ajoutant de l'acide oxalique. La réaction est accélérée en chauffant le complexe dans un bain marie à 37°C. La densité optique du complexe formé est mesurée à 660 nm dans des cuves de 5 cm de trajet optique. Pour les échantillons les plus concentrés en silicates (les concentrations sont supérieures à 45 $\mu\text{mol l}^{-1}$ dans les eaux de fond du bassin Ibérique), une dilution des échantillons a été effectuée en insérant dans le manifold un circuit de dilution de l'échantillon avec de l'eau déionisée. Selon cette procédure, la loi de Beer - Lambert est vérifiée jusqu'à 50 $\mu\text{mol l}^{-1}$. La limite de détection de la méthode est de 0.1 $\mu\text{mol l}^{-1}$.

b - Dosage des nitrates NO_3^- :

Le dosage des nitrates a été réalisé selon la méthode de Wood et al. (1967) par réduction quantitative des ions nitrates en ions nitrites. Le dosage des nitrites a été effectué selon la méthode classique de Bendschneider et Robinson (1952).

Lors du dosage, les nitrates dissous dans l'eau de mer sont réduits presque totalement (>95%) en nitrites par passage sur une colonne de cadmium traité au cuivre (Wood et al., 1967). La colonne réductrice a été préparée en utilisant du cadmium en grains tamisés entre 0.25 et 0.315 mm. La méthode a été légèrement modifiée par rapport à la méthode d'origine : le chlorure d'ammonium ajusté à pH = 8.5 est utilisé au lieu de l'EDTA (Grasshof, 1964) et permet d'obtenir de meilleurs rendements de réduction (Strickland et Parsons, 1972). Les nitrites sont ensuite dosés selon la méthode basée sur la réaction de Griess appliquée à l'eau de mer par Bendschneider et Robinson (1952). Les nitrites forment un diazoïque avec la sulfanilamide en milieu acide (pH < 2). Le diazoïque est ensuite copulé avec le chlorhydrate de N-naphtyl éthylènediamine pour fournir un colorant azoïque. La mesure de l'absorption s'effectue à 550 nm. La méthode permet de mesurer les concentrations en nitrites dans une gamme de concentrations comprise entre 0 et 20 $\mu\text{mol l}^{-1}$ et la limite de détection est de 0.01 $\mu\text{mol l}^{-1}$. Pour les nitrates, un étage de dilution (rapport 1/2.5) a été utilisé permettant les analyses dans une gamme de concentrations comprise entre 0 et 45 $\mu\text{mol l}^{-1}$. La limite de détection est de 0.1 $\mu\text{mol l}^{-1}$.

c - Dosage des phosphates PO_4^{3-} :

La mesure des phosphates a été effectuée selon la méthode de Murphy et Riley (1962). Le phosphore minéral dissous dans l'eau de mer est essentiellement présent sous forme d'ions orthophosphates (surtout sous forme HPO_4^{2-} et PO_4^{3-}). Les ions orthophosphates sont susceptibles de réagir avec le molybdate d'ammonium en milieu acide pour former un complexe jaune, le phosphomolybdate d'ammonium. Par réduction de ce complexe, on obtient une coloration bleue. L'utilisation de l'acide ascorbique comme agent réducteur donne les résultats les plus reproductibles et il a l'avantage de pouvoir être utilisé dans un réactif unique : molybdate d'ammonium, acide ascorbique, acide sulfurique et antimonyl tartrate de potassium. L'antimoine fourni par l'antimonyl réduit le temps de développement de la coloration de 24 heures à quelques minutes. L'utilisation d'un bain marie à 37°C accélère le développement de la coloration. L'intensité de la coloration est mesurée à 880 nm. La méthode permet de mesurer les concentrations présentes dans l'eau de mer (entre 0 et 3.0 $\mu\text{mol l}^{-1}$) et la limite de détection est de 0.02 $\mu\text{mol l}^{-1}$ (elle correspond à une absorbance de 0.005 en cuves de 10 cm de trajet optique).

Les mesures ont été effectuées en analyse automatique sur des chaînes Auto Analyser II Bran et Luebbe selon les procédures décrites dans Tréguer et Le Corre (1975). Dans ces conditions, les précisions obtenues sont les suivantes ($p = 0.05$) :

- nitrates : $\pm 0.1 \mu\text{mol l}^{-1}$
- phosphates : $\pm 0.02 \mu\text{mol l}^{-1}$
- silicates : $\pm 0.1 \mu\text{mol l}^{-1}$

d - Calibrations des données et calculs :

La calibration des méthodes d'analyse a été réalisée à chaque station en début et fin de passage des échantillons avec une gamme de solutions étalons couvrant la gamme de concentrations mesurées. Deux solutions mixtes (nitrates et silicates d'une part, phosphates et nitrites d'autre part) ont été préparées chaque jour (les solutions étalons préparées quotidiennement ont permis de calibrer plusieurs stations chaque jour).

Les étalons de sels nutritifs ont été préparés à partir de sels (produits Merck p.a. pour les nitrates et phosphates, Carlo Erba p.a. pour les silicates) séchés à l'étuve à 105°C pendant 3 heures. Les pesées de sels ont été faites en tenant compte de la correction de flottabilité de l'air et les volumes des fioles et pipettes ont été contrôlés par pesée (WOCE, 1991). La température dans le conteneur laboratoire est restée proche de 20°C pendant la campagne et aucune correction de volume n'a été appliquée.

Du fait de l'utilisation de l'eau déionisée comme référence pour les mesures, la densité optique mesurée par les colorimètres doit être corrigée. Cette absorption dépend :

- de la turbidité propre à l'eau de mer qui est due aux matières organiques dissoutes et particulaires et aux matières minérales ;
- de la géométrie de la cuve de mesure et du réglage optique du colorimètre ;
- des réactifs tels que les tensio - actifs qui peuvent donner une légère absorbance lors du mélange avec l'eau de mer.

Une correction de ces différents effets définis comme correction de "turbidité" a été effectuée pour chaque mesure. Une correction constante a été appliquée pendant la campagne et la valeur de cette correction a été vérifiée à intervalles réguliers durant la campagne.

e - Précision des mesures :

La précision des mesures a été appréciée comme la répétabilité des résultats obtenue sur deux séries de 10 échantillons prélevés à un même niveau sur les différentes bouteilles Niskin de la rosette au cours d'une station "test" (station 1). Les résultats sont donnés dans le tableau 3.

L'incertitude sur la mesure des nitrates est inférieure ou égale à 0.11 et 0.25 $\mu\text{mol l}^{-1}$ (soit 0.54 et 1.09% par rapport aux concentrations mesurées). Rapportées à la pleine échelle définie par le WHP (1991), les précisions obtenues (0.24 et 0.54%) sont meilleures que les normes retenues par le WHP (0.9% pour les nitrates).

L'incertitude sur la mesure des silicates est inférieure ou égale à 0.32 et 0.33 $\mu\text{mol l}^{-1}$ (soit 0.67 et 0.97% par rapport aux concentrations mesurées). Rapportées à la pleine échelle définie par le WHP (1991), les précisions obtenues (0.13%) sont meilleures que les normes retenues par le WHP (0.20% pour les silicates).

L'incertitude sur la mesure des phosphates est inférieure ou égale à 0.02 $\mu\text{mol l}^{-1}$ (soit 1.59 et 1.31% par rapport aux concentrations mesurées). Rapportées à la pleine échelle définie par le WHP (1991), les précisions obtenues (0.36%) sont conformes aux normes retenues par le WHP (0.40% pour les phosphates).

Tableau 3. Précision des résultats des analyses en sels nutritifs sur des échantillons prélevés à un même niveau à la station "test". Le coefficient de variation est indiqué par rapport à la pleine échelle (P.E.) définie par le WHP (1991).

Sel Nutritif	Profondeur	Moyenne	Écart-type	Précision %	Précision WHP %
Nitrate	2500	20.67	0.11	0.54	0.24
	4580	23.30	0.25	1.09	0.54
Silicate	2500	32.79	0.32	0.97	0.13
	4580	49.56	0.33	0.67	0.13
Phosphate	2500	1.14	0.02	1.59	0.36
	4580	1.37	0.02	1.31	0.36

Au cours de la campagne, les précisions de mesure ont été déterminées sur 6 échantillons prélevés sur une même bouteille Niskin. La précision obtenue correspond à une évaluation de la précision des mesures de la méthode de dosage et de la reproductibilité de la mesure sur échantillon prélevé sur une même bouteille. Cette évaluation permet également de suivre la précision des mesures pendant l'ensemble de la campagne. Les résultats obtenus au cours de la campagne sont présentés dans les tableaux 4 à 6.

Les précisions WHP des mesures obtenues pour les nitrates sont comprises entre 0,05 et 0,69 % pour des échantillons dont les concentrations moyennes étaient comprises entre 6.73 et 23.30 $\mu\text{moles/L}$. Elles sont inférieures à la précision de 0.90% préconisée par le programme WOCE.

Tableau 4. Précision des résultats des analyses en nitrates sur 6 échantillons prélevés sur une même bouteille Niskin. Le coefficient de variation est indiqué par rapport à la pleine échelle (P.E.) définie par le WHP (1991).

Station	Nombre	NO3			
		Moyenne	Ecart Type	Précision %	Précision WHP
1	10	20.67	0.11	0.54	0.24
1	10	23.30	0.25	1.09	0.54
28	6	6.73	0.03	0.41	0.06
29	6	22.44	0.04	0.19	0.09
36	6	19.07	0.02	0.12	0.05
41	6	18.57	0.33	1.75	0.69
45	6	20.66	0.02	0.11	0.05
50	6	20.32	0.15	0.72	0.31
53	6	18.78	0.24	1.30	0.52
56	6	19.90	0.15	0.75	0.32
77	6	18.28	0.10	0.57	0.22
82	6	17.10	0.12	0.72	0.26
86	6	17.48	0.07	0.39	0.14
97	6	16.42	0.23	1.38	0.48
106	6	16.99	0.11	0.64	0.23
109	6	16.12	0.11	0.65	0.22

Les précisions WHP des mesures obtenues pour les silicates sont comprises entre 0,01 et 0,13 % pour des échantillons dont les concentrations moyennes étaient comprises entre 2 et 50 $\mu\text{moles/L}$. Elles sont inférieures à la précision de 0,20% préconisée par le programme WOCE et ceci pour l'ensemble de la campagne.

Tableau 5. Précision des résultats des analyses en silicates sur 6 échantillons prélevés sur une même bouteille Niskin. Le coefficient de variation est indiqué par rapport à la pleine échelle (P.E.) définie par le WHP (1991).

Station	Nombre	Si(OH) ₄			
		Moyenne	Ecart Type	Précision %	Précision WHP
1	10	32.79	0.32	0.97	0.13
1	10	49.56	0.33	0.67	0.13
28	6	1.99	0.04	1.89	0.02
29	6	40.42	0.24	0.58	0.09
36	6	11.01	0.05	0.49	0.02
41	6	12.39	0.03	0.23	0.01
45	6	9.80	0.08	0.86	0.03
50	6	11.81	0.06	0.48	0.02
53	6	10.83	0.04	0.34	0.01
56	6	7.66	0.08	1.10	0.03
77	6	10.77	0.05	0.50	0.02
82	6	10.82	0.05	0.50	0.02
86	6	11.40	0.08	0.68	0.03
97	6	9.79	0.05	0.47	0.02
106	6	9.81	0.07	0.75	0.03
109	6	8.74	0.04	0.46	0.02

Les précisions WHP des mesures obtenues pour les phosphates sont comprises entre 0.11 et 1.00 % pour des échantillons dont les concentrations moyennes étaient comprises entre 0.34 et 1.37 $\mu\text{moles/L}$. Elles sont conformes à la précision de 0.40% préconisée par le programme WOCE.

Tableau 6. Précision des résultats des analyses en phosphates sur 6 échantillons prélevés sur une même bouteille Niskin. Le coefficient de variation est indiqué par rapport à la pleine échelle (P.E.) définie par le WHP (1991).

Station	Nombre	PO4			
		Moyenne	Ecart Type	Précision %	Précision WHP
1	10	1.14	0.02	1.59	0.36
1	10	1.37	0.02	1.31	0.36
28	6	0.34	0.01	2.08	0.14
29	6	1.31	0.01	1.00	0.26
36	6	1.08	0.02	1.47	0.32
41	6	1.06	0.01	1.22	0.26
45	6	1.18	0.01	0.79	0.19
50	6	1.13	0.03	2.55	0.58
53	6	1.09	0.02	1.76	0.39
56	6				
77	6	1.05	0.04	3.66	0.77
82	6	0.94	0.05	5.29	1.00
86	6	1.02	0.02	1.48	0.30
97	6	0.99	0.01	0.87	0.17
106	6	1.13	0.01	0.57	0.13
109	6	1.02	0.01	0.57	0.11

f - Niveaux de prélèvements des échantillons d'éléments nutritifs pendant la campagne OVIDE 2006 :

Au cours de la campagne OVIDE 2006, 120 stations hydrologiques ont été occupées sur la radiale et 2722 prélèvements pour les analyses en éléments nutritifs ont été effectuées correspondant à 10 888 mesures de nitrates, nitrites, phosphates et silicates.

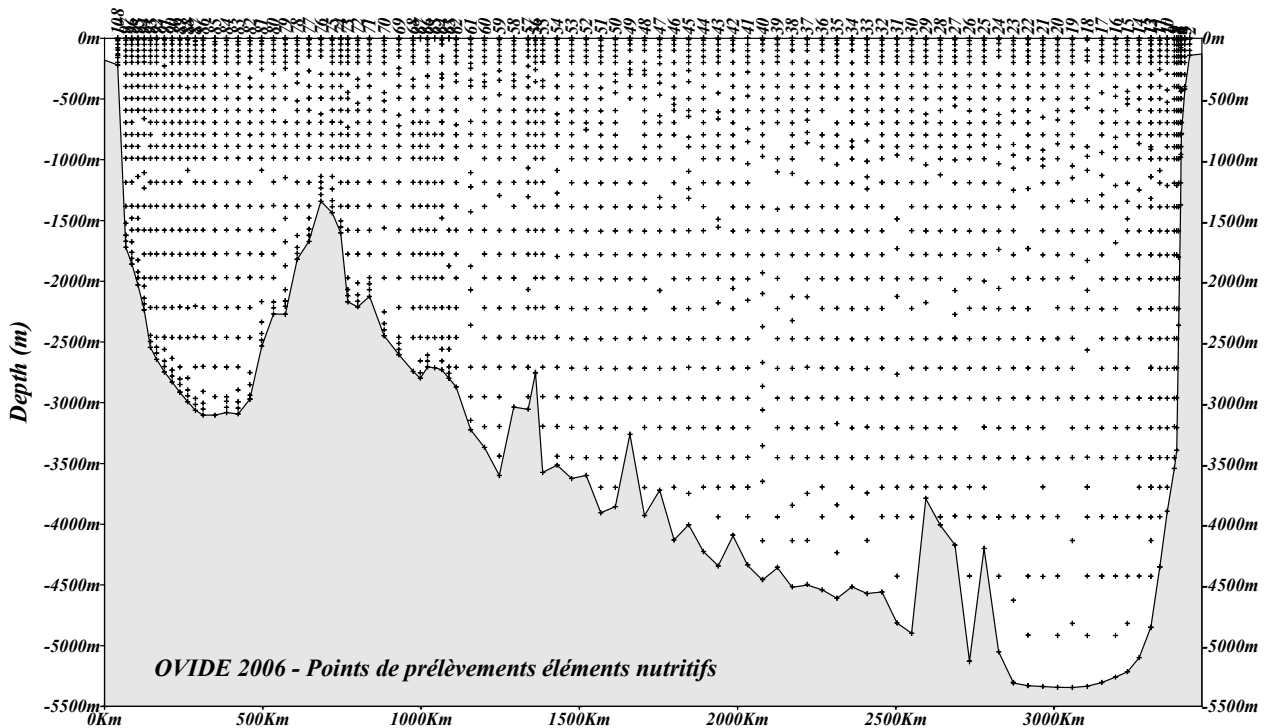


Figure 3. Points des prélèvements en éléments nutritifs lors de la campagne OVIDE 2006.

B – Protocole d'analyse des fréons : CFC-11, CFC-12, CFC-113 et CCl_4 :

a - Description du système analytique de mesure :

Les mesures de fréons CFC-11, CFC-12, CFC-113 et CCl_4 dissous dans l'eau de mer ont été effectuées par chromatographie en phase gazeuse couplée à un système de purge and trap (figure 4) selon le protocole décrit dans Connan et al. (1996). La technique de mesure des CFC dans l'eau de mer est inspirée très largement de celle de Bullister et Weiss (1988). Le système analytique comprend une série de modules disposés en ligne :

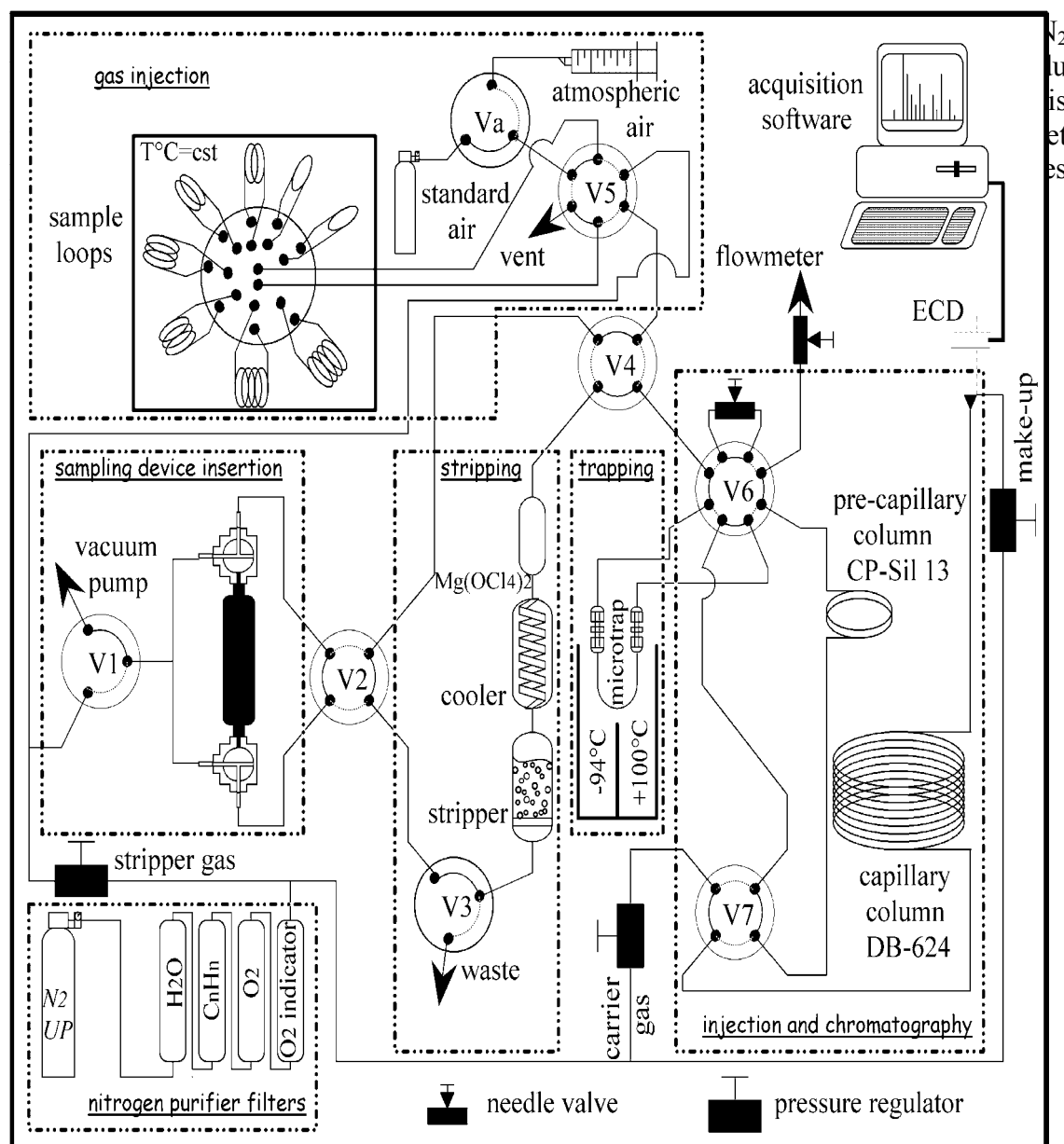


Figure 4. Schéma analytique du système chromatographie en phase gazeuse couplée à un système de purge and trap pour l'analyse des fréons.

- un module d'insertion du préleveur : l'ampoule de prélèvement (figure 1) s'insère directement dans le système d'analyse. Les tubes de liaison du purge and trap sont vissés sur les robinets 3 voies du préleveur. La vanne V1 permet alternativement de purger sous vide les tubes et robinets puis de les remplir en azote ultrapur. Cette manœuvre est répétée plusieurs fois avant l'ouverture des robinets du préleveur. L'échantillon est ensuite poussé vers la chambre de dégazage par le gaz vecteur.

- *un module d'introduction d'échantillon gazeux (étalonnage, analyse d'air)* : le module est constitué d'une série de boucles de différents volumes (figure 4) permettant d'introduire des quantités connues d'étalons gazeux et de calibrer le système.

- *un module d'extraction des fréons* : la chambre de dégazage (figure 4) est constituée d'un tube de verre muni d'un fritté de porosité N3 à sa base. Lors de l'entraînement des gaz dissous dans l'eau de mer par l'azote ultrapur, ce fritté assure la formation de fines bulles qui vont extraire efficacement les fréons dissous dans l'eau de mer. Les fréons sont entraînés et piégés dans un tube en inox (1/16'' x 0.03 rempli de Porasil C) d'environ 7 cm de longueur (figure 1) plongé dans un Dewar en Nalgène rempli d'huile maintenue à -70°C à l'aide d'un cryoplongeur (Thermo Neslab). Après 5 minutes d'extraction des fréons (temps retenu pour une extraction totale avec un débit d'azote pur de 80ml/min), le piège est plongé dans un bain d'eau à 100°C permettant une désorption thermique totale des fréons.

- *un module d'analyse* : le module d'analyse est composé d'un chromatographe en phase gazeuse (Thermo Quest GC Trace, 8, figure 4) équipé d'une pré-colonne capillaire, d'une colonne capillaire J&W DB624 (longueur 105m, diamètre 0.53mm, épaisseur du film 0.3µm, 9, figure 4) et d'un détecteur à capture d'électrons (ECD, 11, figure 4) ayant une source ⁶³Ni (source radioactive β⁻). Après désorption sur le piège, les fréons sont séparés sur la colonne capillaire et détectés quantitativement par le détecteur à capture d'électrons. Les composés les plus lourds sont retenus dans la pré-colonne et ne sont pas injectés dans la colonne capillaire afin de ne pas interférer avec l'analyse des fréons. L'acquisition des chromatogrammes et le calcul des concentrations en fréons ont été réalisés à l'aide du logiciel Chromquest. Un exemple de chromatogramme obtenu pendant la campagne est présenté sur la figure 5. Pendant la campagne, la durée moyenne d'analyse d'un échantillon a été d'environ 17 minutes.

b - Calibrations des données et calculs :

Les concentrations en fréons et CCl₄ ont été mesurées par étalonnage externe par l'intermédiaire d'un standard gazeux. L'étalon utilisé pendant la campagne est un standard atmosphérique primaire constitué d'air fourni par le Climate Monitoring and Diagnostics Laboratory (CMDL) de la NOAA. Les pressions partielles mesurées de l'étalon sont respectivement 537.3 pptv ± 0.20% pour le CFC-12, 256.3 pptv ± 0.23% pour le CFC-11, 81.3 pptv ± 0.37% pour le CFC-113 et 95.8 pptv ± 0.31% pour le CCl₄.

Pour couvrir toute la gamme des concentrations pouvant être rencontrées en mer, les courbes de calibration (courbe de réponse ajustée à un polynôme du second degré pour au moins 5 niveaux) ont été réalisées en injectant par les boucles des volumes croissants (de 0.1 ml à 50 ml : 0.1, 0.5, 1, 2, 5, 10, 20, 50ml) de gaz étalons dans le circuit analytique. Les concentrations en CFC sont proportionnelles à l'aire des pics des chromatogrammes.

Lors de la campagne, la répétabilité obtenue sur plusieurs séries d'analyses de gaz standard à des concentrations équivalentes à celles rencontrées dans les échantillons d'eau de mer (volume injecté = 10 ml à dix reprises) a été de ± 8.01% pour le CFC-12, de ± 2.55% pour le CFC-11, de ± 4.55% pour le CFC-113 et de ± 1.73% pour le CCl₄.

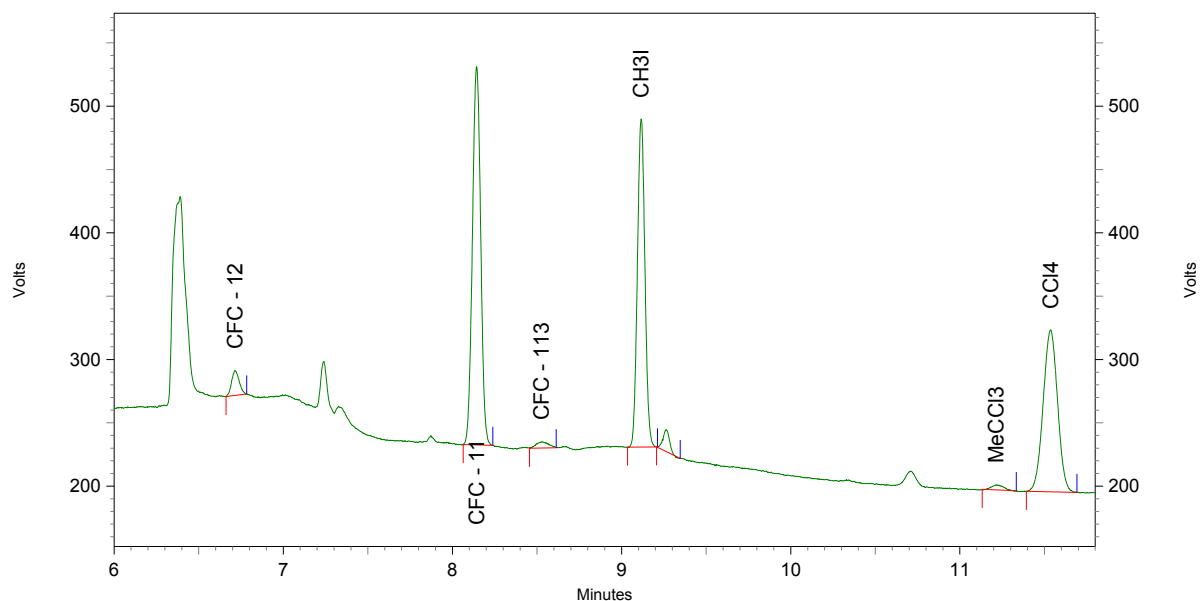


Figure 5. Chromatogramme de l'analyse d'un échantillon d'eau de mer pendant la campagne OVIDE 2006 (station 25, 15dbar).

Tableau 7. Répétabilité en CFC-12, CFC-11, CFC-113 et CCl_4 pour 10 injections successives de 10 ml de standard gazeux pendant la campagne OVIDE 2006.

<i>CFC 12</i>	4.45 %
<i>CFC 11</i>	5.41 %
<i>CFC 113</i>	6.25 %
<i>CCl₄</i>	5.20 %

c - Blanc de l'analyse des échantillons d'eau de mer et limite de détection :

Le blanc de l'analyse des échantillons d'eau de mer est évalué par l'analyse d'eau de mer supposée sans fréons. Ce blanc a été mesuré en analysant une eau de mer dont les fréons avaient déjà été extraits en totalité une première fois. Le blanc obtenu correspond alors à une valeur résiduelle à soustraire aux valeurs brutes mesurées. La limite de détection est donnée par l'écart type à la valeur moyenne du blanc multiplié par 3 :

$$\text{L.D.} = 3 \times \text{Ecart type.}$$

Tableau 8. Valeurs moyennes des blancs et limites de détection en CFC-12, CFC-11, CFC-113 et CCl_4 pendant la campagne OVIDE 2006.

	<i>Valeur moyenne du blanc (pmol/L).</i>	<i>Limite de détection (pmol/L)</i>
CFC 12	0.0002	0.115
CFC 11	0.0478	0.085
CFC 113	0.0444	0.135
CCl_4	0.0269	0.003

Le blanc de la chaîne d'analyse a été également estimé à plusieurs reprises pendant la campagne par l'injection directe de gaz vecteur. Le blanc du système d'analyse est resté nul pendant toute la durée de la campagne.

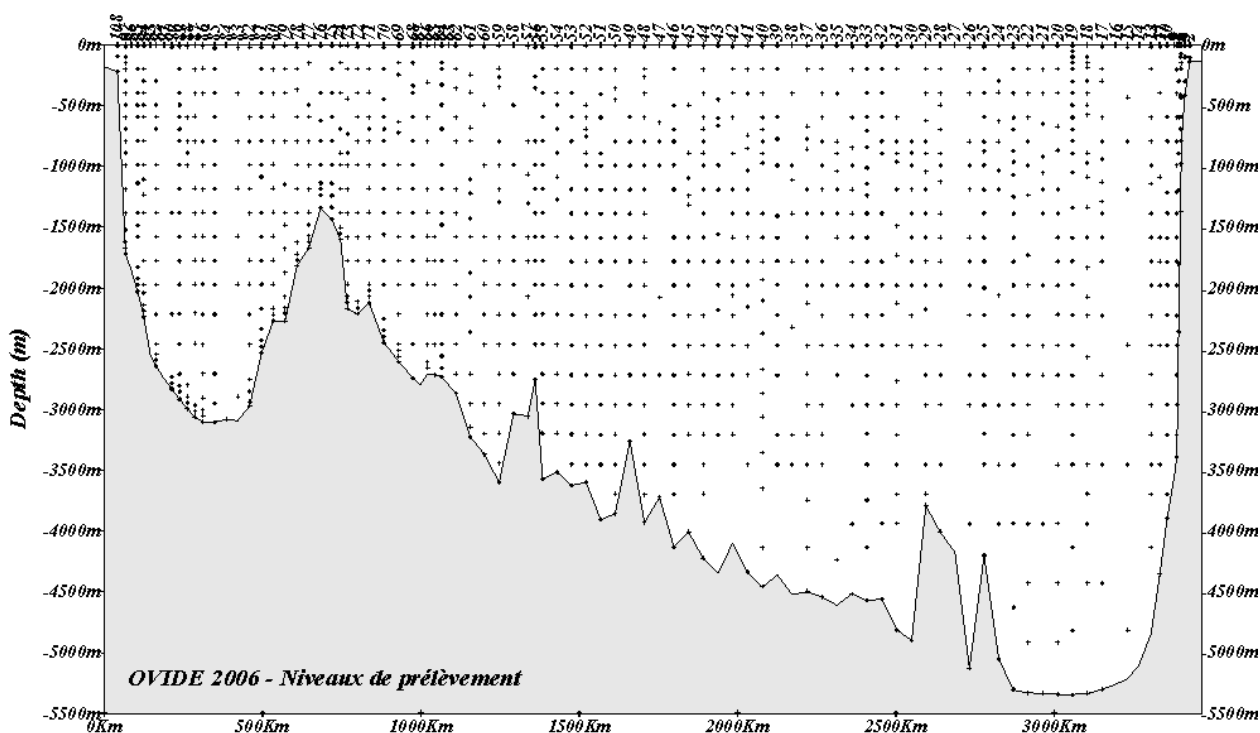
d - Précision des mesures :

La précision des mesures a été appréciée comme la répétabilité des résultats obtenue sur des séries d'échantillons prélevés à un même niveau sur deux bouteilles Niskin différentes à différentes stations au cours de la campagne. Les résultats obtenus sont présentés dans le tableau 9.

Tableau 9. Précision des résultats des analyses en fréons sur des échantillons prélevés à un même niveau sur deux bouteilles Niskin différentes :

	<i>C.V. (± %)</i>
CFC 12	4.45 %
CFC 11	5.41 %
CFC 113	6.25 %
CCl_4	5.20 %

e - Niveaux de prélèvements des échantillons de fréons pendant la campagne OVIDE 2006 :



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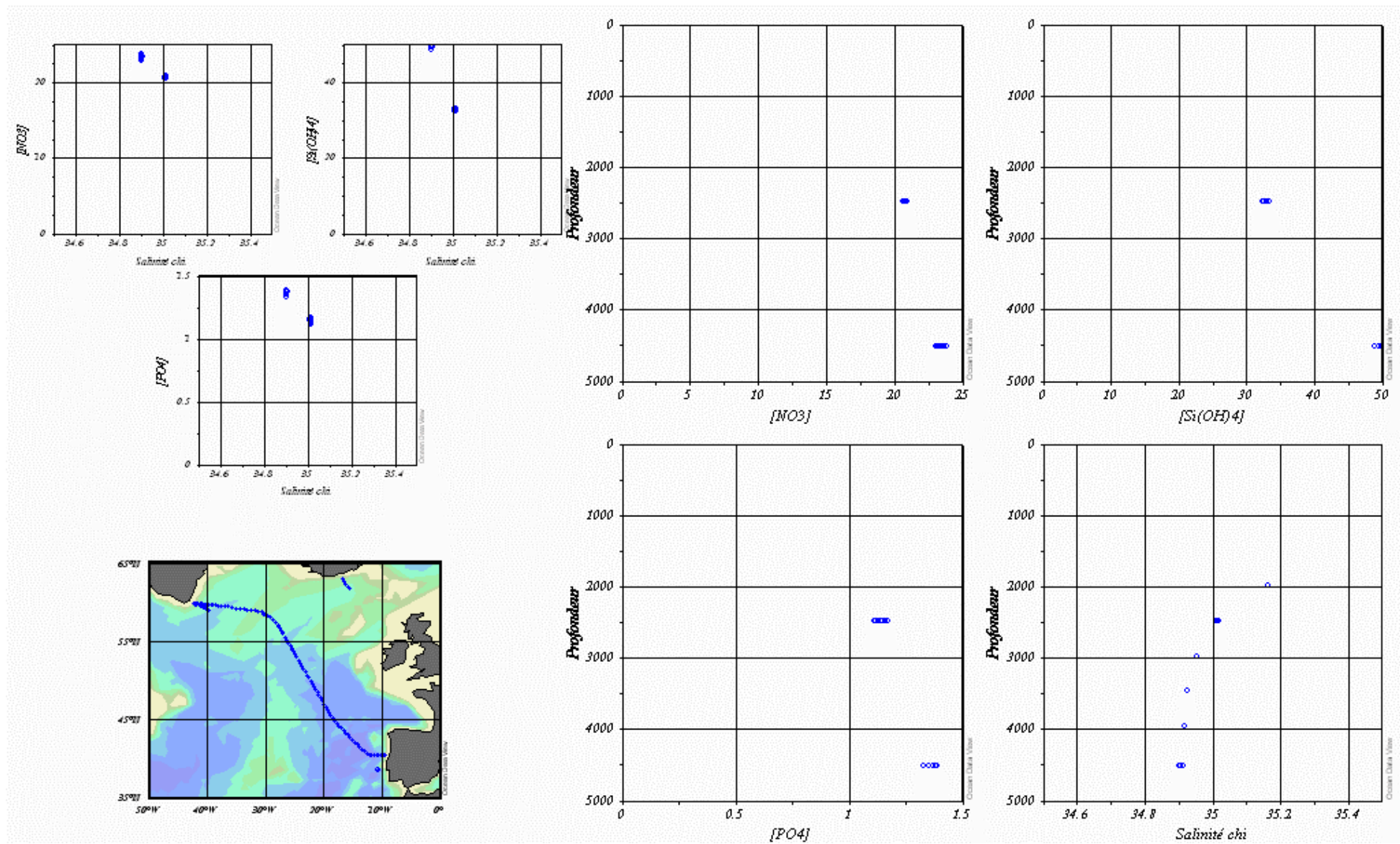
OVIDE 2006

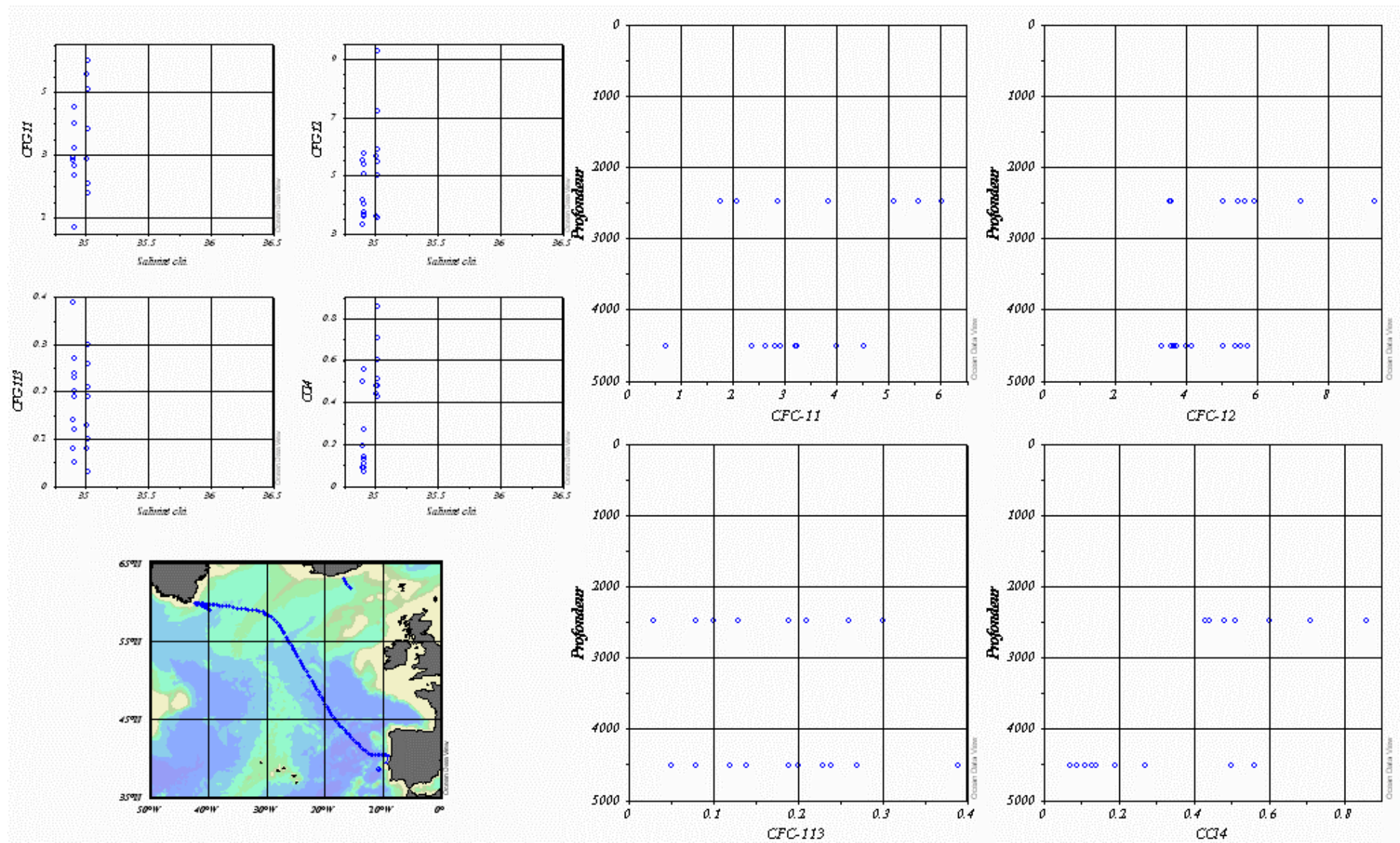
RÉSULTATS AUX STATIONS

**Résultats des mesures
et
profils verticaux des éléments nutritifs
aux stations hydrologiques**

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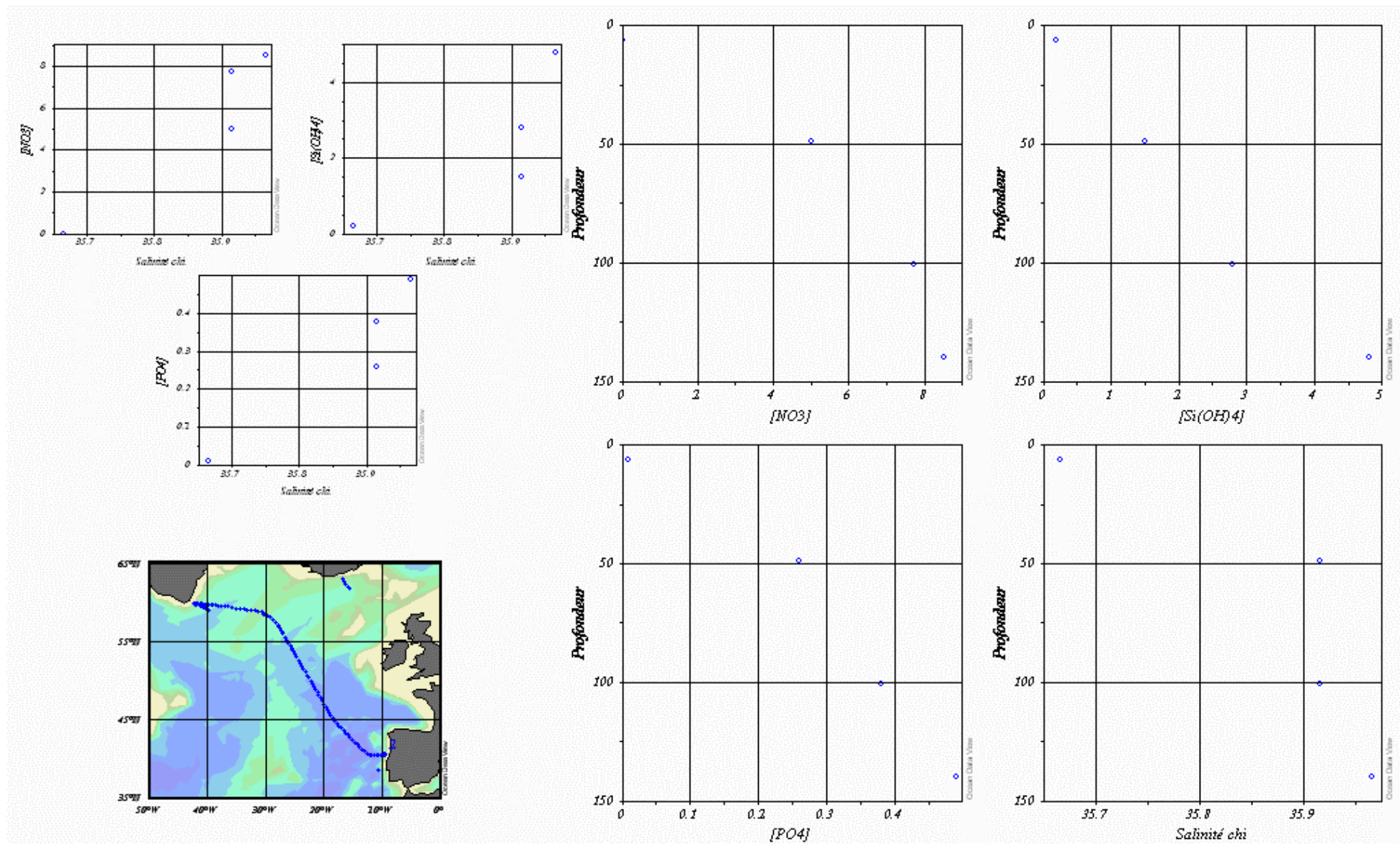
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1	30	102.0	-101.4	14.131	36.040	36.039	5.436							
1	29	503.8	-500.3	11.636	35.724	35.733	4.415							
1	28	994.7	-986.7	11.425	36.267	36.274	4.256							
1	27	1205.5	-1195.2	10.912	36.303	36.303	4.275							
1	26	2001.0	-1980.5	4.334	35.163	35.164	5.626							
1	25	2501.5	-2473.0	3.130	35.012	35.013	5.717	20.6	33.3	1.11	2.09	5.47	0.26	0.48
1	24	2503.7	-2475.1	3.130	35.011	35.013	5.729	20.6	33.0	1.12		9.28	0.30	0.86
1	23	2502.9	-2474.4	3.129	35.013	35.014	5.721	20.6	32.6	1.14	3.83	5.02	0.03	0.51
1	22	2501.9	-2473.4	3.128	35.013	35.013	5.727	20.6	32.9	1.14	5.10	7.22	0.21	0.71
1	21	2503.6	-2475.0	3.128	35.012	35.012	5.706	20.6	33.0	1.15	5.57	5.65	0.08	0.44
1	20	2502.4	-2473.9	3.128	35.012	35.013	5.729	20.6	33.0	1.17	6.01	5.90	0.19	0.60
1	19	2502.5	-2474.0	3.127	35.013	35.017	5.708	20.6	32.6	1.16	1.78	3.54	0.10	0.43
1	18	2503.4	-2474.8	3.127	35.012	35.012	5.701	20.8	32.4	1.16	2.87	3.59	0.13	0.48
1	17	2501.8	-2473.3	3.124	35.011	35.013	5.718	20.7	32.3	1.14				
1	16	2501.7	-2473.2	3.123	35.011	35.013	5.703	20.9	32.9	1.13				
1	15	3004.5	-2966.8	2.542	34.951	34.953	5.723							
1	14	3495.0	-3447.3	2.268	34.922	34.925	5.673							
1	13	4002.1	-3942.9	2.131	34.909	34.918	5.655							
1	12	4582.1	-4508.4	2.061	34.901	34.905	5.7		48.8	1.33	3.23	3.57	0.20	0.13
1	11	4583.0	-4509.3	2.060	34.902	34.906	5.669	23.0	49.5	1.35	2.64	3.64	0.05	0.09
1	10	4582.4	-4508.7	2.061	34.901	34.906	5.842	23.1	49.5	1.35	4.52	4.02	0.12	0.11
1	9	4582.6	-4508.9	2.061	34.901	34.904	5.68	23.2	49.5	1.37	3.20	5.38	0.27	0.27
1	8	4582.3	-4508.6	2.061	34.901	34.905	5.671	23.2	49.8	1.38	4.00	5.03	0.19	0.56
1	7	4583.4	-4509.7	2.061	34.901	34.904	5.688	23.2	49.9	1.38	0.71	3.74	0.23	0.07
1	6	4582.1	-4508.4	2.061	34.901	34.902	5.668	23.4	50.0	1.39	2.92	4.16	0.14	0.09
1	5	4582.5	-4508.8	2.061	34.901	34.912	5.678	23.4	49.4	1.38	2.36	5.74	0.24	0.14
1	4	4581.6	-4507.9	2.061	34.900	34.902	5.66	23.8	49.8	1.38	2.81	3.32	0.08	0.19
1	3	4584.0	-4510.3	2.061	34.901	34.902	5.672	23.6	49.4	1.37		5.54	0.39	0.50

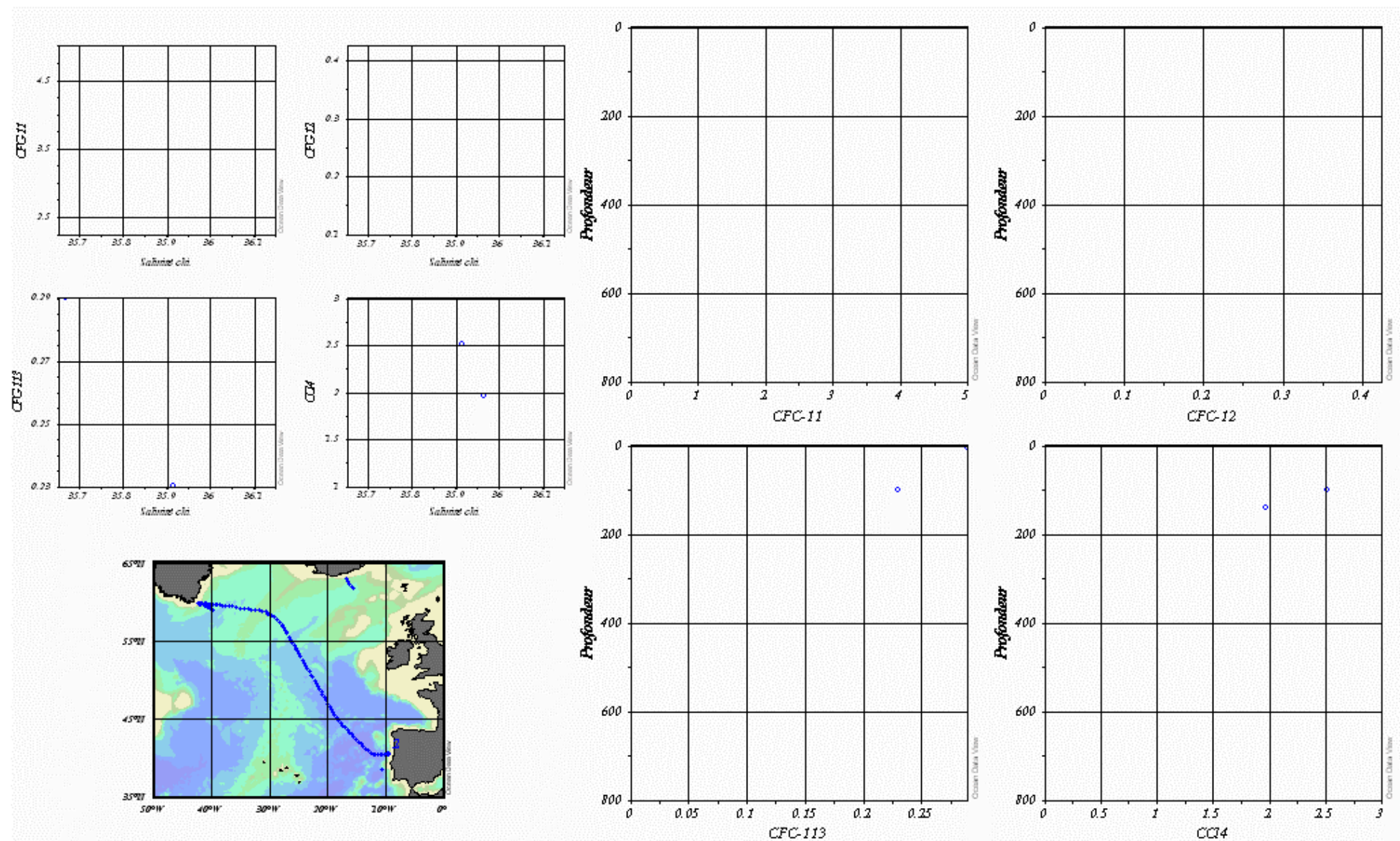




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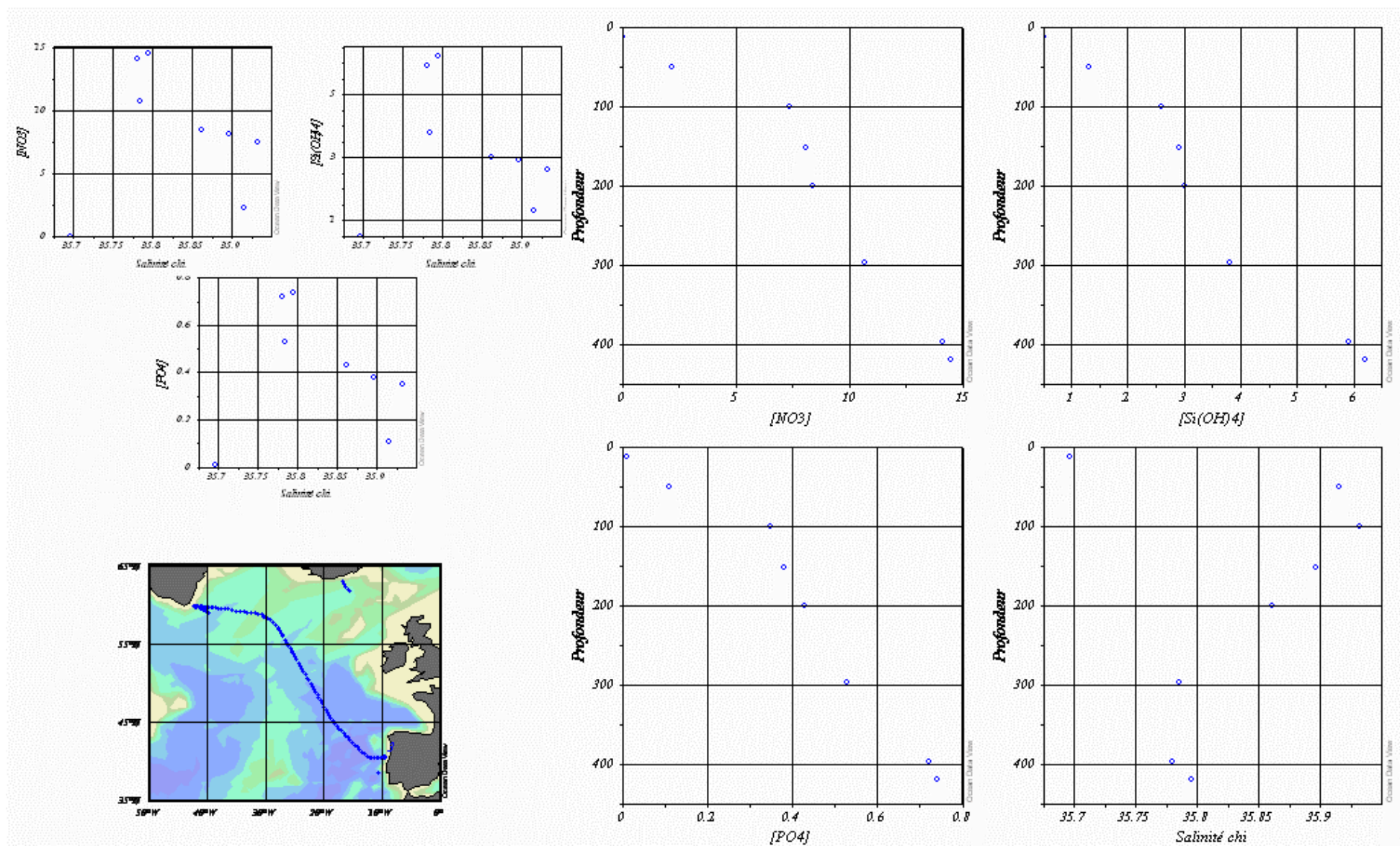
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
2	6	6.0	-6.0	17.760	35.664	35.666	5.721	0.0	0.2	0.01			0.29	6.16
2	5	49.0	-48.7	13.730	35.915	35.915	5.492	5.0	1.5	0.26				
2	4	101.4	-100.8	13.250	35.928	35.915	5.174	7.7	2.8	0.38		3.60	0.23	2.51
2	3	141.0	-140.1	13.279	35.962	35.965	4.833	8.5	4.8	0.49				1.97

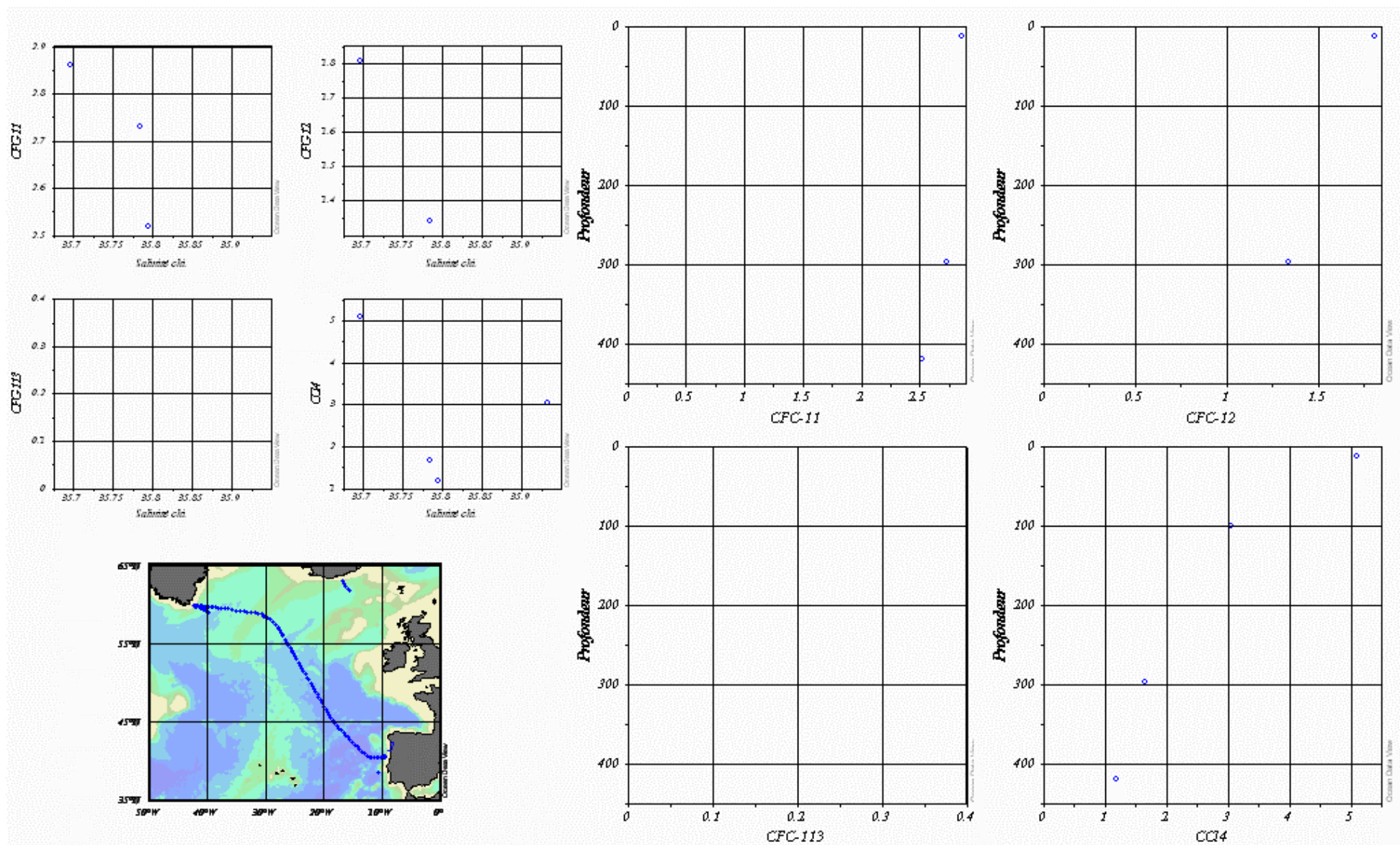




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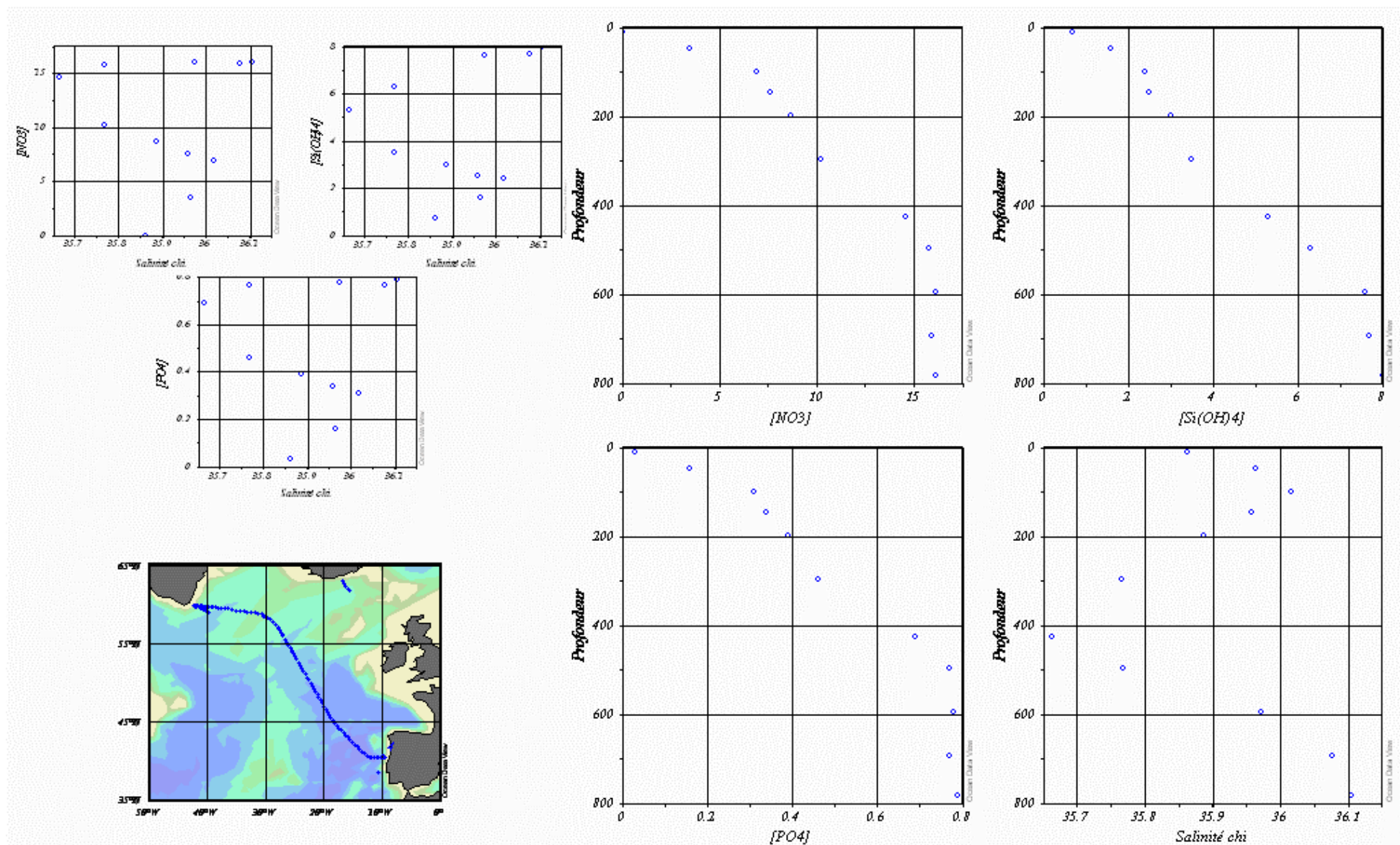
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3	10	11.2	-11.1	17.464	35.715	35.697	5.76	0.0	0.5	0.01	2.86	1.81		5.10
3	9	50.3	-50.0	14.265	35.926	35.915	5.758	2.2	1.3	0.11				
3	8	100.6	-100.0	13.303	35.933	35.932	5.369	7.4	2.6	0.35				3.04
3	7	151.5	-150.6	13.038	35.890	35.896	5.316	8.1	2.9	0.38				
3	6	201.3	-200.0	12.899	35.864	35.861	5.303	8.4	3.0	0.43				
3	5	299.4	-297.5	12.426	35.784	35.785	4.997	10.7	3.8	0.53	2.73	1.34		1.66
3	4	399.7	-397.0	11.768	35.781	35.780	4.503	14.1	5.9	0.72				
3	3	421.8	-419.0	11.715	35.794	35.795	4.453	14.5	6.2	0.74	2.52			1.18

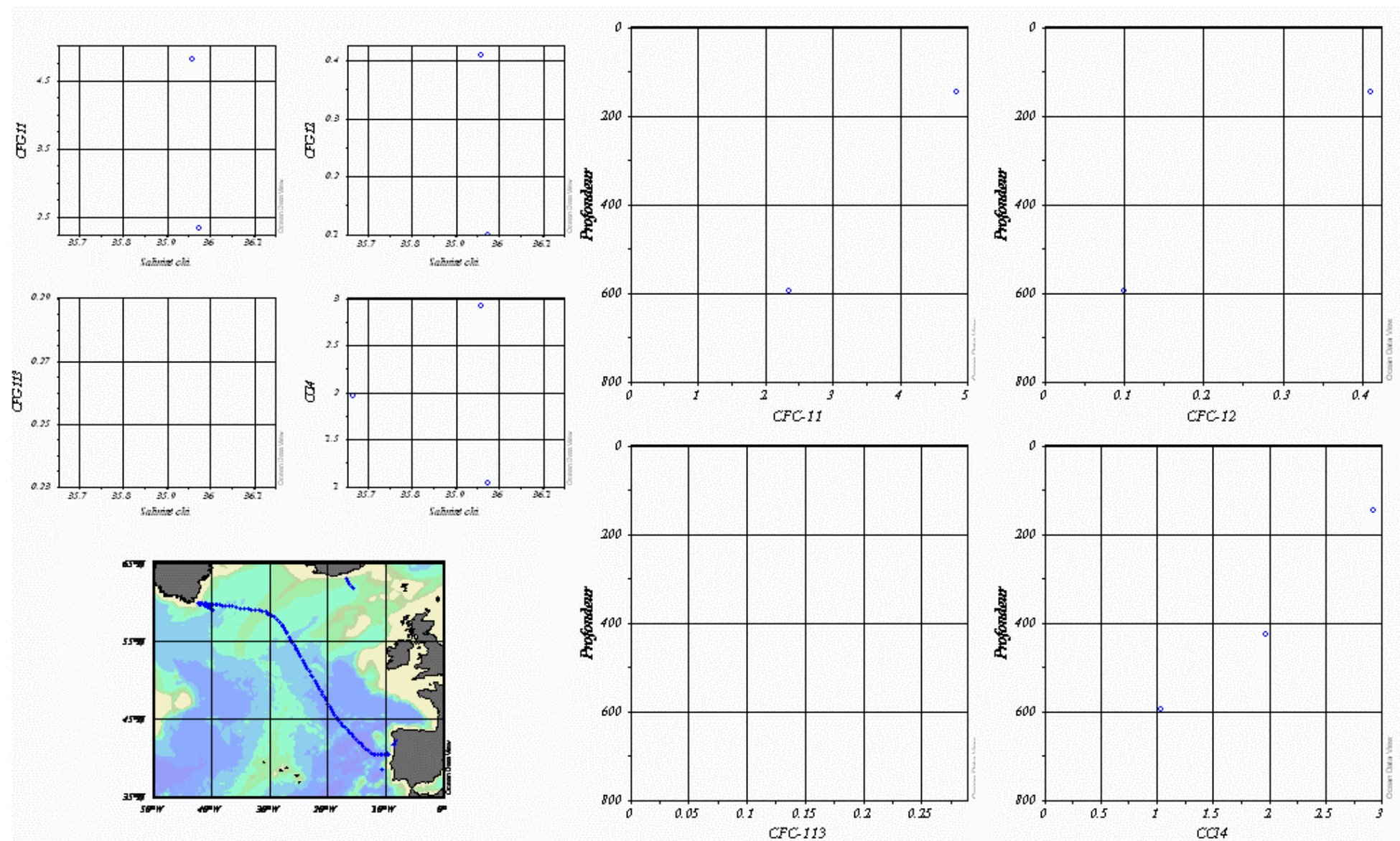




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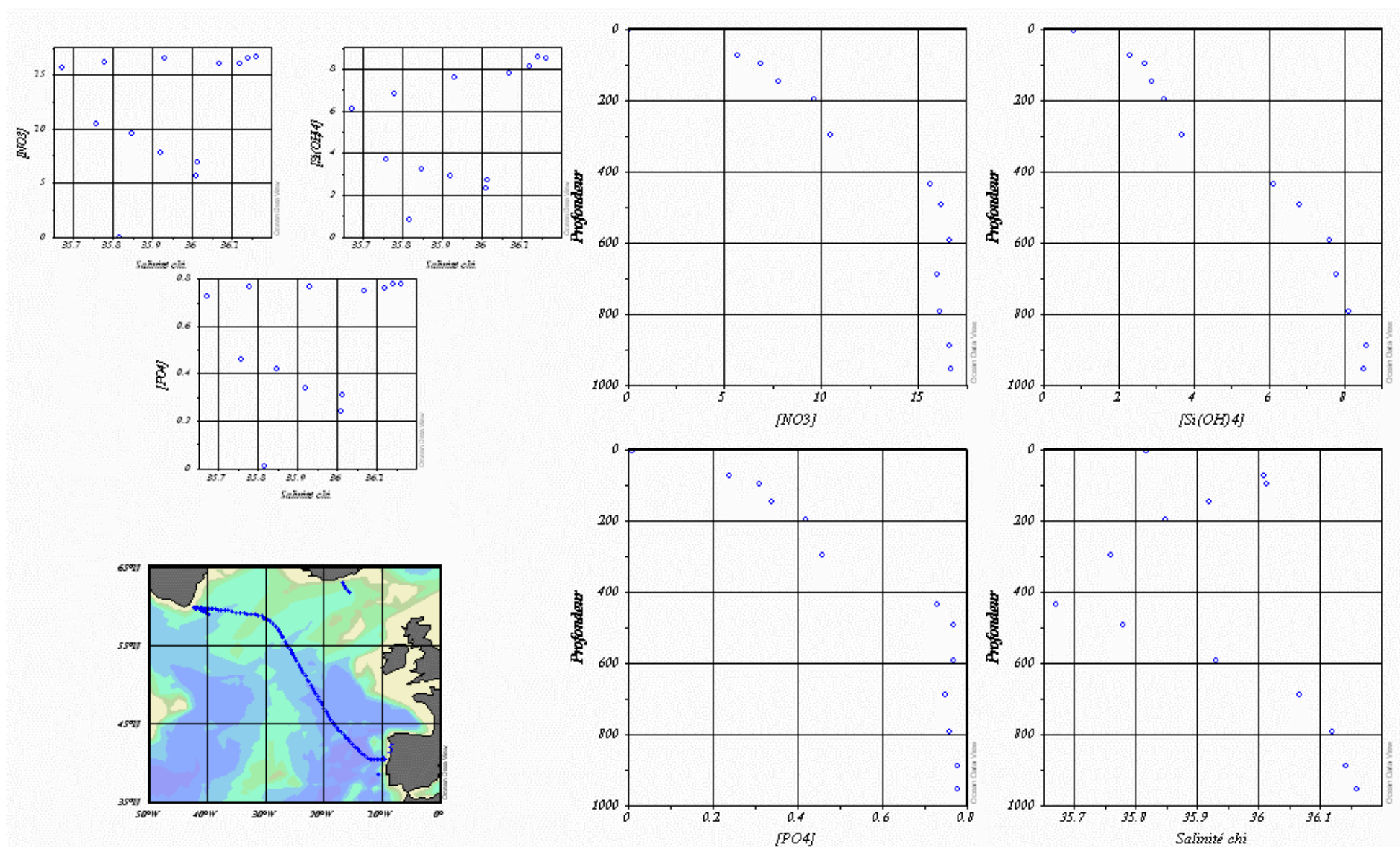
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
4	13	10.6	-10.5	17.446	35.861	35.862	5.739	0.0	0.7	0.03				
4	12	49.3	-49.0	14.217	35.962	35.964	5.707	3.5	1.6	0.16				
4	11	100.8	-100.2	13.758	36.018	36.016	5.389	6.9	2.4	0.31				
4	10	148.2	-147.3	13.421	35.960	35.957	5.367	7.6	2.5	0.34	4.82	0.41		2.92
4	9	199.5	-198.3	13.055	35.889	35.887	5.307	8.7	3.0	0.39				
4	8	300.0	-298.1	12.371	35.764	35.766	5.249	10.2	3.5	0.46				
4	7	429.5	-426.6	11.582	35.667	35.664	4.671	14.6	5.3	0.69				1.96
4	6	500.6	-497.1	11.559	35.767	35.767	4.375	15.8	6.3	0.77				
4	5	599.9	-595.6	11.637	35.977	35.972	4.235	16.1	7.6	0.78	2.34	0.10		1.03
4	4	700.0	-694.8	11.628	36.078	36.077	4.225	15.9	7.7	0.77				
4	3	789.0	-783.0	11.522	36.106	36.105	4.216	16.1	8.0	0.79				

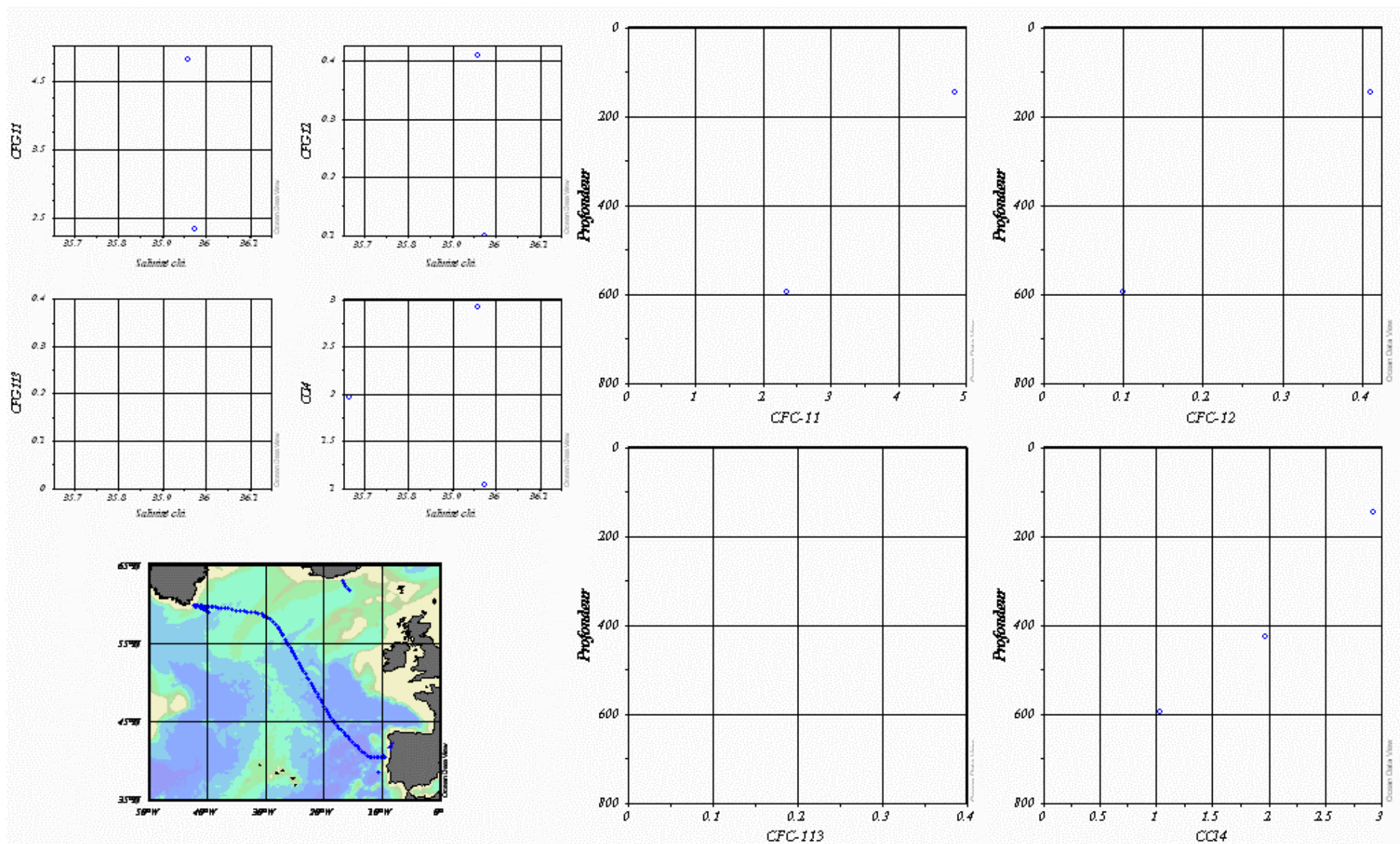




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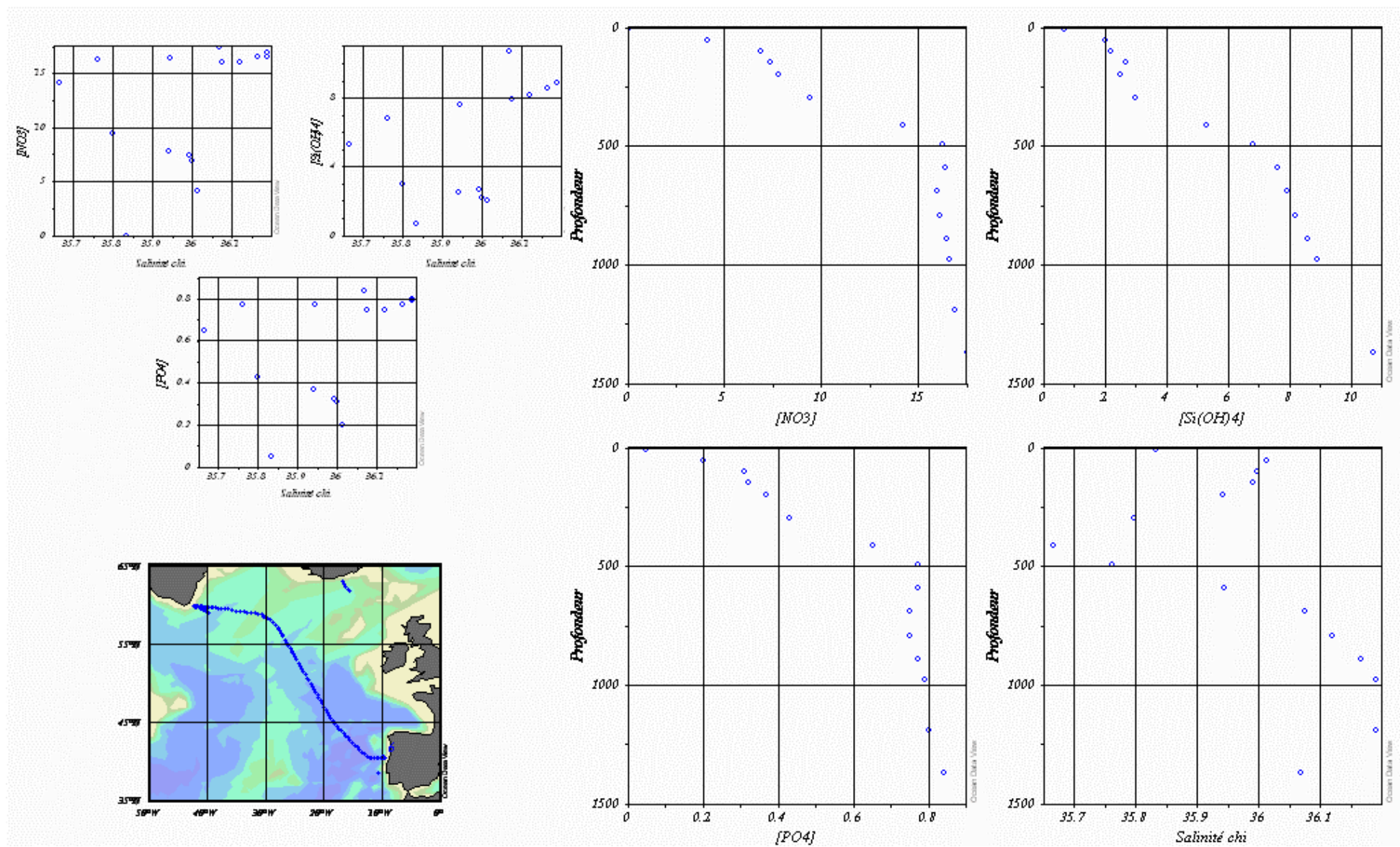
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
5	30	6.0	-6.0	17.529	35.818	35.817	5.746	0.0	0.8	0.01	3.02	1.65	0.33	6.02
5	29	77.1	-76.6	13.990	36.008	36.009	5.527	5.7	2.3	0.24			0.21	3.33
5	28	99.4	-98.8	13.731	36.017	36.012	5.402	6.9	2.7	0.31				
5	27	149.9	-149.0	13.237	35.922	35.919	5.44	7.8	2.9	0.34				
5	26	199.1	-197.9	12.937	35.842	35.849	5.217	9.6	3.2	0.42	3.56		0.17	2.09
5	25	300.0	-298.1	12.357	35.763	35.760	5.213	10.5	3.7	0.46				
5	24	439.1	-436.1	11.525	35.668	35.671	4.518	15.6	6.1	0.73	2.48	1.24		1.20
5	23	499.4	-496.0	11.548	35.769	35.779	4.358	16.2	6.8	0.77				
5	22	599.1	-594.8	11.582	35.926	35.931	4.235	16.6	7.6	0.77	2.69	0.95	0.07	1.11
5	21	696.9	-691.8	11.656	36.065	36.066	4.234	16.0	7.8	0.75				
5	20	798.8	-792.7	11.557	36.120	36.119	4.217	16.1	8.1	0.76	2.45	0.65	0.06	1.05
5	19	899.2	-892.1	11.362	36.141	36.141	4.198	16.6	8.6	0.78				
5	18	963.2	-955.5	11.285	36.158	36.160	4.187	16.7	8.5	0.78				

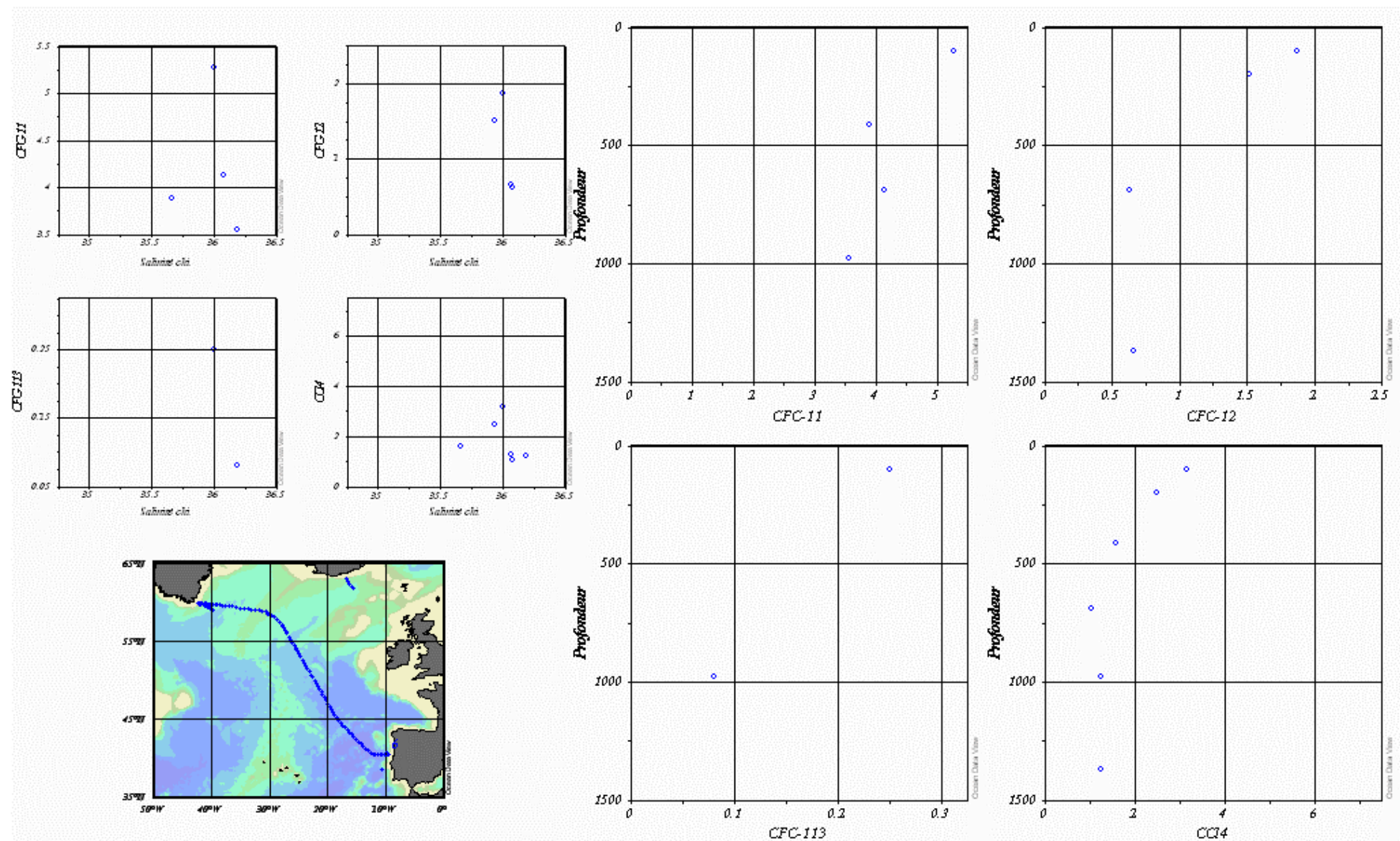




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
6	25/05/2006	17:46:26	40:20:00 N	09:48:09 W	1344m

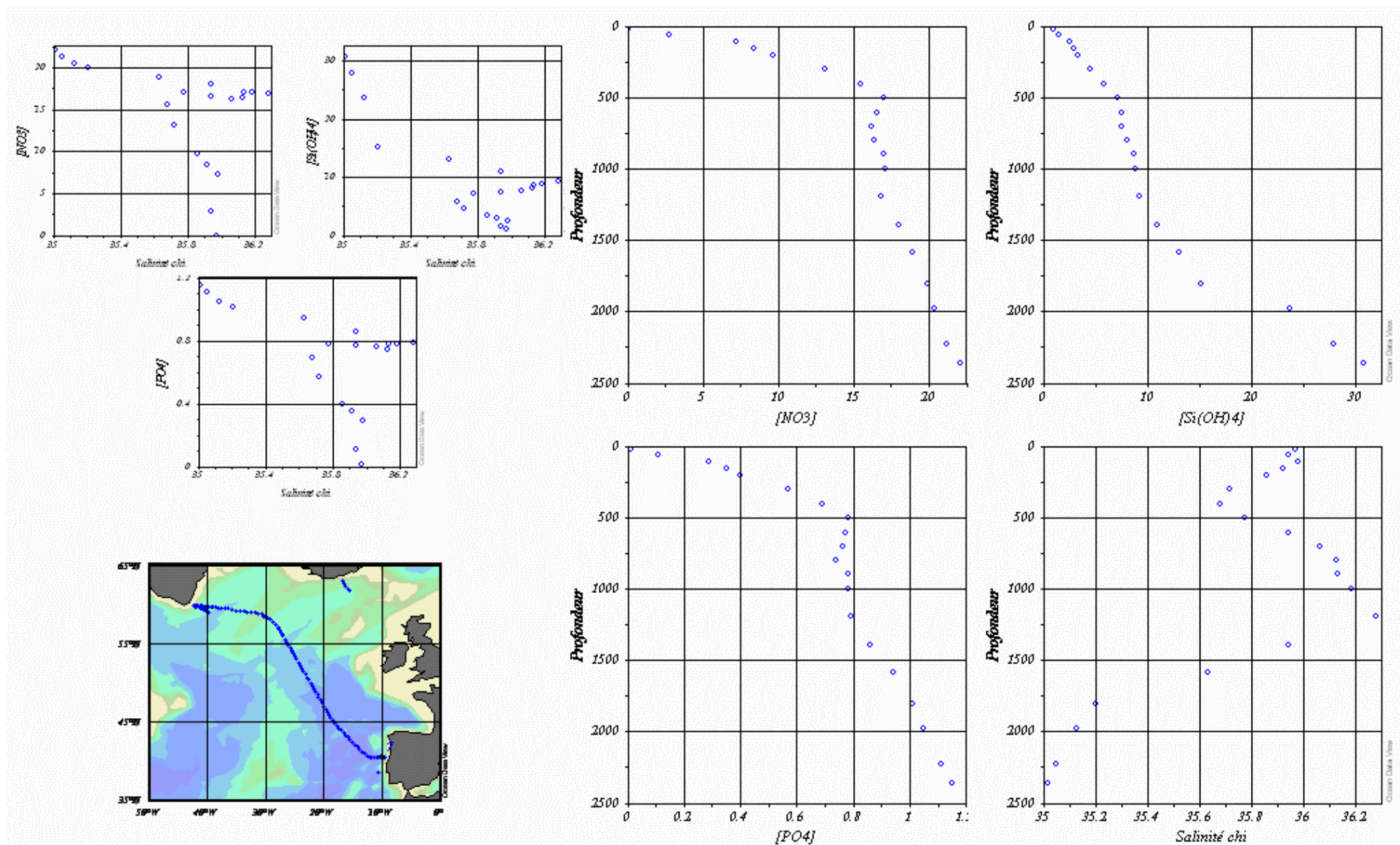
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
6	18	10.7	-10.6	17.474	35.834	35.834	5.494	0.0	0.7	0.05				
6	17	54.7	-54.4	14.320	36.013	36.013	5.672	4.1	2.0	0.20				
6	16	99.2	-98.6	13.699	35.996	35.998	5.385	6.9	2.2	0.31	5.27	1.87	0.25	3.16
6	15	149.9	-149.0	13.572	35.988	35.991	5.365	7.4	2.7	0.32				
6	14	149.5	-148.6	13.579	35.989									
6	13	197.8	-196.6	13.318	35.941	35.941	5.354	7.8	2.5	0.37		1.52		2.50
6	12	298.3	-296.4	12.561	35.801	35.798	5.318	9.4	3.0	0.43				
6	11	413.6	-410.8	11.625	35.667	35.667	4.718	14.2	5.3	0.65	3.89			1.59
6	10	498.7	-495.3	11.600	35.758	35.762	4.311	16.3	6.8	0.77				
6	9	597.0	-592.7	11.595	35.951	35.943	4.216	16.4	7.6	0.77				
6	8	697.3	-692.2	11.641	36.077	36.075	4.331	16.0	7.9	0.75	4.13	0.63		1.04
6	7	798.1	-792.0	11.574	36.119	36.119	4.21	16.1	8.2	0.75				
6	6	898.8	-891.7	11.334	36.153	36.165	4.194	16.5	8.6	0.77				
6	5	986.7	-978.8	11.174	36.188	36.189	4.182	16.6	8.9	0.79	3.55		0.08	1.24
6	4	1199.8	-1189.6	10.678	36.237	36.189	4.248	16.9		0.80				
6	3	1383.8	-1371.4	9.674	36.064	36.068	4.463	17.5	10.7	0.84		0.66		1.26

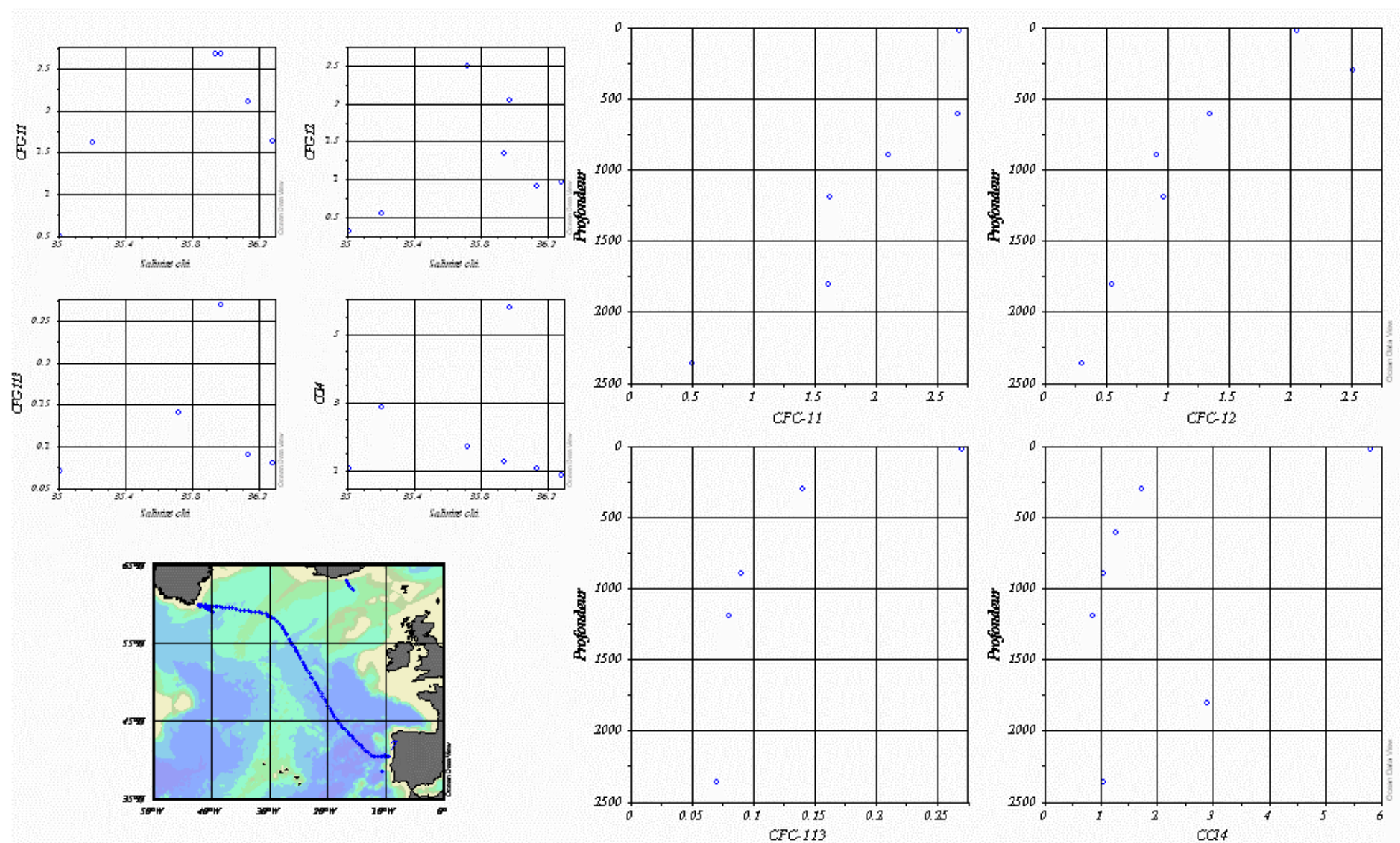




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
7	25/05/2006	20:37:00	40:20:00 N	09:52:56 W	2707m

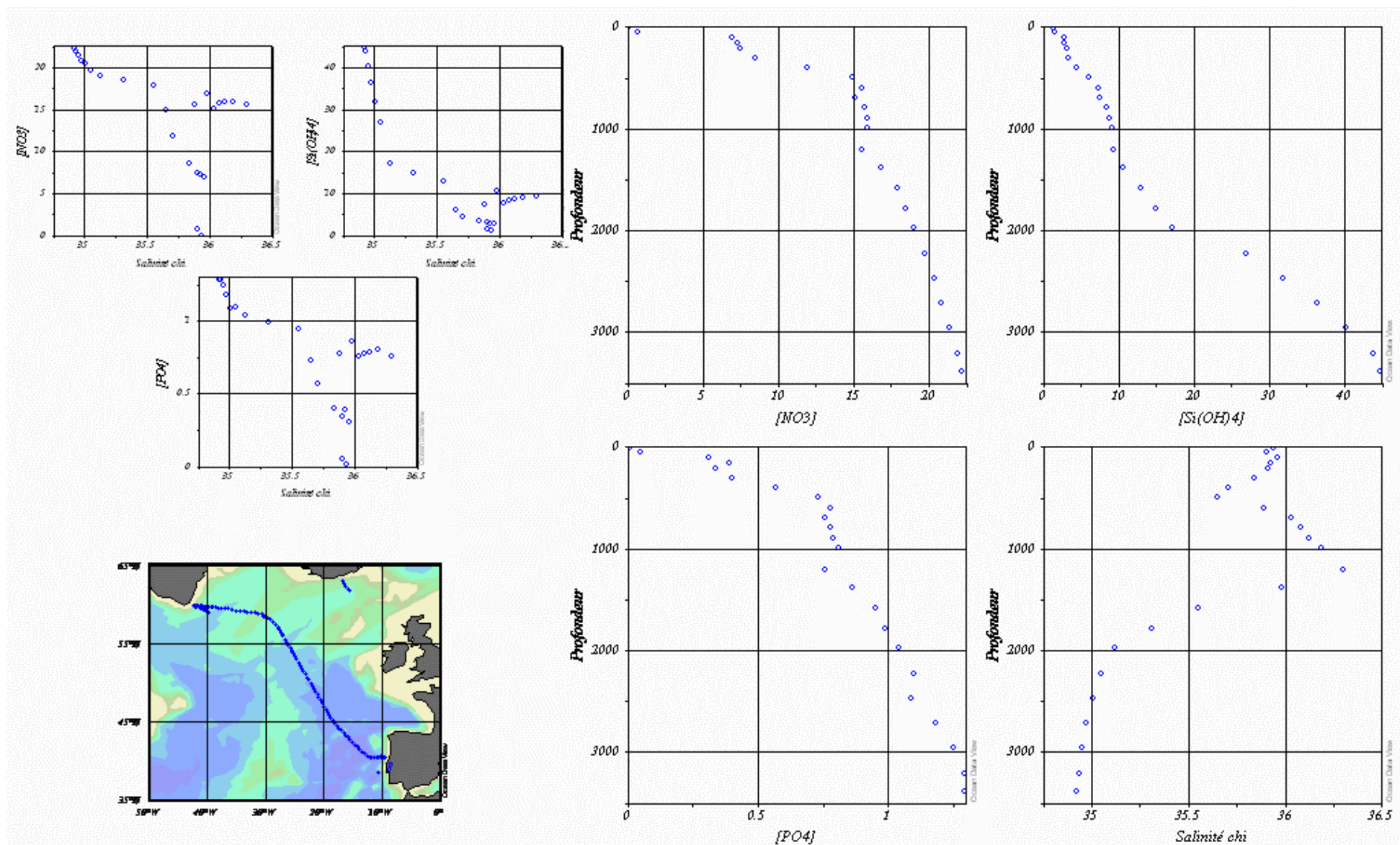
Station	Bouteille	Pression dbar	Immersion M	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
7	22	12.5	-12.4	17.445	35.968	35.967	5.705	0.0	1.0	0.01	2.68	2.06	0.27	5.80
7	21	50.5	-50.2	14.286	35.931	35.939	5.778	2.8	1.5	0.11				
7	20	100.1	-99.5	13.590	35.978	35.976	5.368	7.2	2.5	0.29				
7	19	149.8	-148.9	13.245	35.923	35.918	5.307	8.4	3.0	0.35				
7	18	200.1	-198.9	12.942	35.864	35.858	5.206	9.7	3.4	0.40				
7	17	299.3	-297.4	12.154	35.718	35.717	4.829	13.1	4.5	0.57		2.51	0.14	1.73
7	16	399.5	-396.8	11.692	35.680	35.679	4.51	15.5	5.8	0.69				
7	15	502.3	-498.8	11.484	35.779	35.775	4.269	17.0	7.1	0.78				
7	14	600.5	-596.2	11.601	35.946	35.940	4.247	16.6	7.5	0.77	2.67	1.35		1.27
7	13	700.8	-695.6	11.679	36.061	36.060	4.232	16.2	7.6	0.76				
7	12	800.4	-794.3	11.479	36.127	36.125	4.191	16.4	8.1	0.74				
7	11	899.6	-892.5	11.209	36.134	36.132	4.172	17.0	8.7	0.78	2.10	0.91	0.09	1.06
7	10	999.9	-991.8	11.106	36.185	36.184	4.167	17.1	8.9	0.78				
7	9	1201.1	-1190.8	10.865	36.281	36.279	4.212	16.8	9.3	0.79	1.63	0.97	0.08	0.87
7	8	1399.7	-1387.2	8.951	35.936	35.940	4.587	18.0	11.0	0.86				
7	7	1600.3	-1585.3	7.251	35.638	35.633	4.983	18.9	13.0	0.94				
7	6	1819.6	-1801.7	4.783	35.205	35.204	5.605	19.9	15.2	1.01	1.61	0.55		2.89
7	5	1995.2	-1974.8	4.134	35.121	35.127	5.668	20.4	23.7	1.05				
7	4	2250.2	-2225.8	3.561	35.054	35.051	5.725	21.2	27.9	1.11				
7	3	2388.2	-2361.6	3.187	35.014	35.016	5.725	22.1	30.7	1.15	0.50	0.31	0.07	1.06

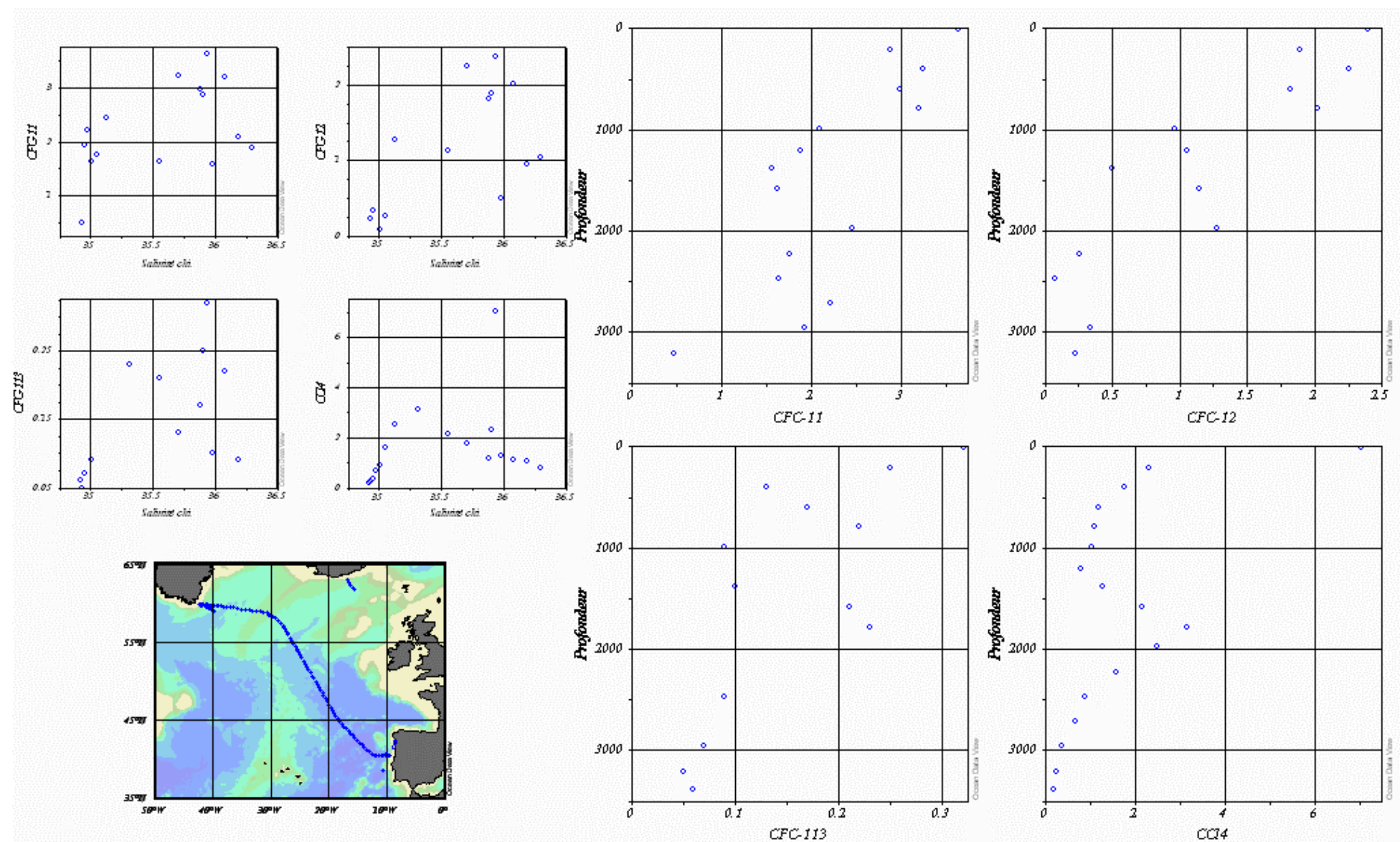




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
8	26/05/2006	00:21:47	40:20:00 N	09:56:56 W	3400m

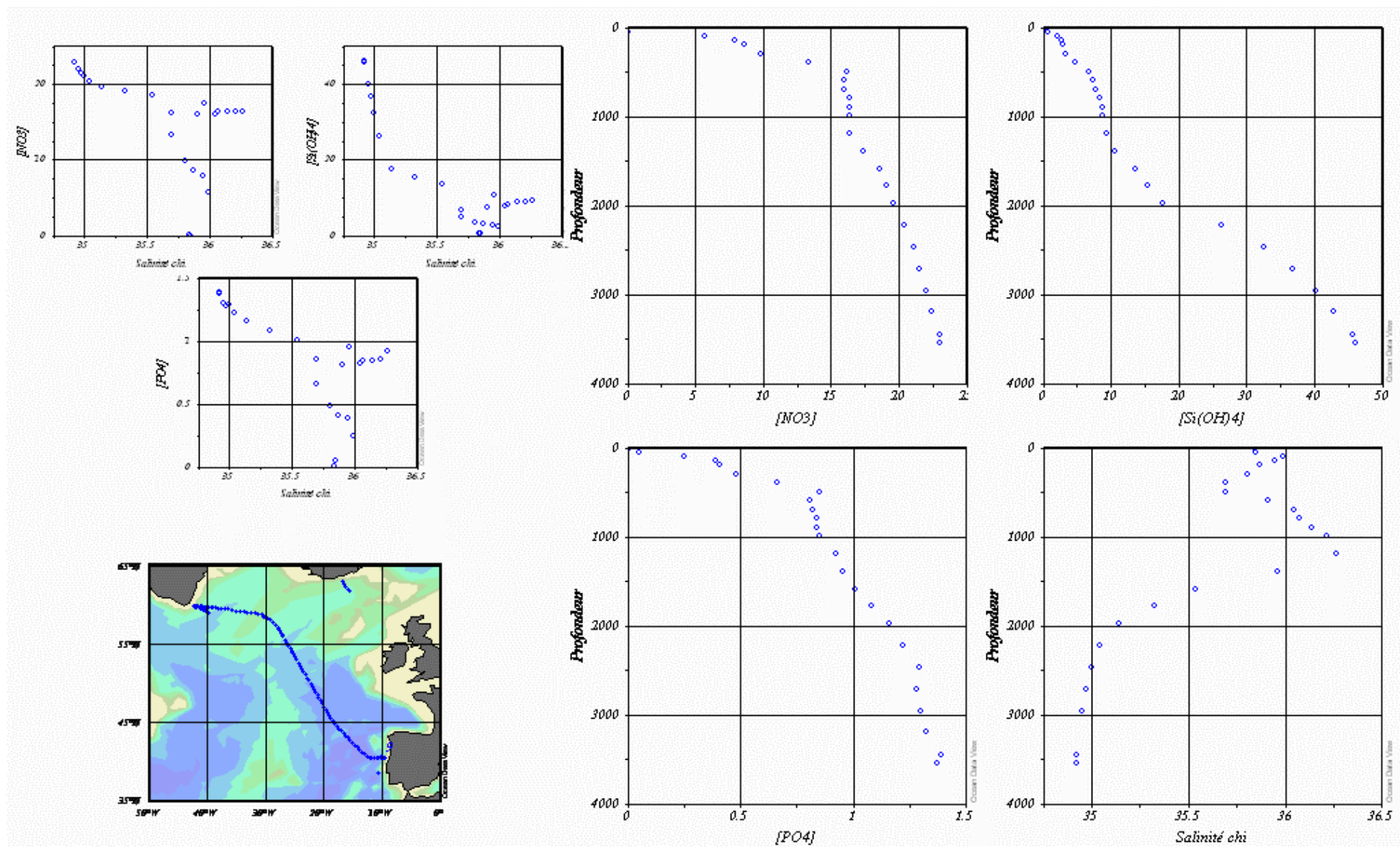
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
8	26	8.4	-8.3	17.240	35.938	35.941	5.725	0.0	1.3	0.01	3.63	2.39	0.32	7.03
8	25	53.3	-53.0	14.684	35.900	35.905	5.98	0.7	1.5	0.05				
8	24	101.4	-100.8	13.544	35.972	35.960	5.337	6.9	2.8	0.31				
8	23	151.4	-150.5	13.255	35.934	35.927		7.3	2.9	0.39				
8	22	203.5	-202.2	13.127	35.915	35.908		7.5	3.1	0.34	2.88	1.89	0.25	2.30
8	21	300.0	-298.1	12.730	35.840	35.840	5.354	8.5	3.3	0.40				
8	20	400.6	-397.9	11.990	35.705	35.704	4.933	11.9	4.5	0.57	3.24	2.25	0.13	1.77
8	19	501.4	-497.9	11.402	35.650	35.653	4.531	14.9	6.1	0.73				
8	18	599.6	-595.3	11.577	35.861	35.887	4.263	15.6	7.4	0.78	2.98	1.82	0.17	1.18
8	17	698.7	-693.5	11.707	36.028	36.031	4.24	15.1	7.6	0.76				
8	16	800.3	-794.2	11.395	36.080	36.081	4.178	15.7	8.4	0.78	3.20	2.02	0.22	1.11
8	15	898.7	-891.6	11.216	36.128	36.123	4.185	15.9	8.8	0.79				
8	14	998.9	-990.8	11.129	36.193	36.189	4.187	15.9	9.1	0.81	2.10	0.96	0.09	1.04
8	13	1221.6	-1211.1	10.948	36.301	36.301	4.252	15.6	9.3	0.76	1.89	1.05		0.81
8	12	1398.6	-1386.1	9.194	35.973	35.978	4.531	16.8	10.7	0.86	1.57	0.50	0.10	1.29
8	11	1599.7	-1584.7	6.793	35.543	35.551	5.074	17.9	12.9	0.95	1.62	1.14	0.21	2.15
8	10	1800.4	-1782.7	5.392	35.315	35.313	5.429	18.5	15.0	0.99			0.23	3.15
8	9	1998.9	-1978.4	4.180	35.122	35.122	5.706	19.0	17.2	1.04	2.45	1.28		2.51
8	8	2251.1	-2226.7	3.544	35.050	35.051	5.711	19.7	26.9	1.10	1.76	0.26		1.58
8	7	2499.9	-2471.4	3.100	35.003	35.005	5.727	20.4	31.9	1.09	1.64	0.08	0.09	0.88
8	6	2747.5	-2714.6	2.794	34.974	34.973	5.71	20.8	36.4	1.18	2.21			0.69
8	5	2996.6	-2959.1	2.572	34.955	34.951	5.673	21.4	40.2	1.25	1.93	0.34	0.07	0.37
8	4	3248.2	-3205.6	2.371	34.935	34.934	5.656	21.9	43.8	1.29	0.48	0.23	0.05	0.25
8	3	3437.8	-3391.3	2.298	34.929	34.925	5.653	22.2	44.8	1.29			0.06	0.21

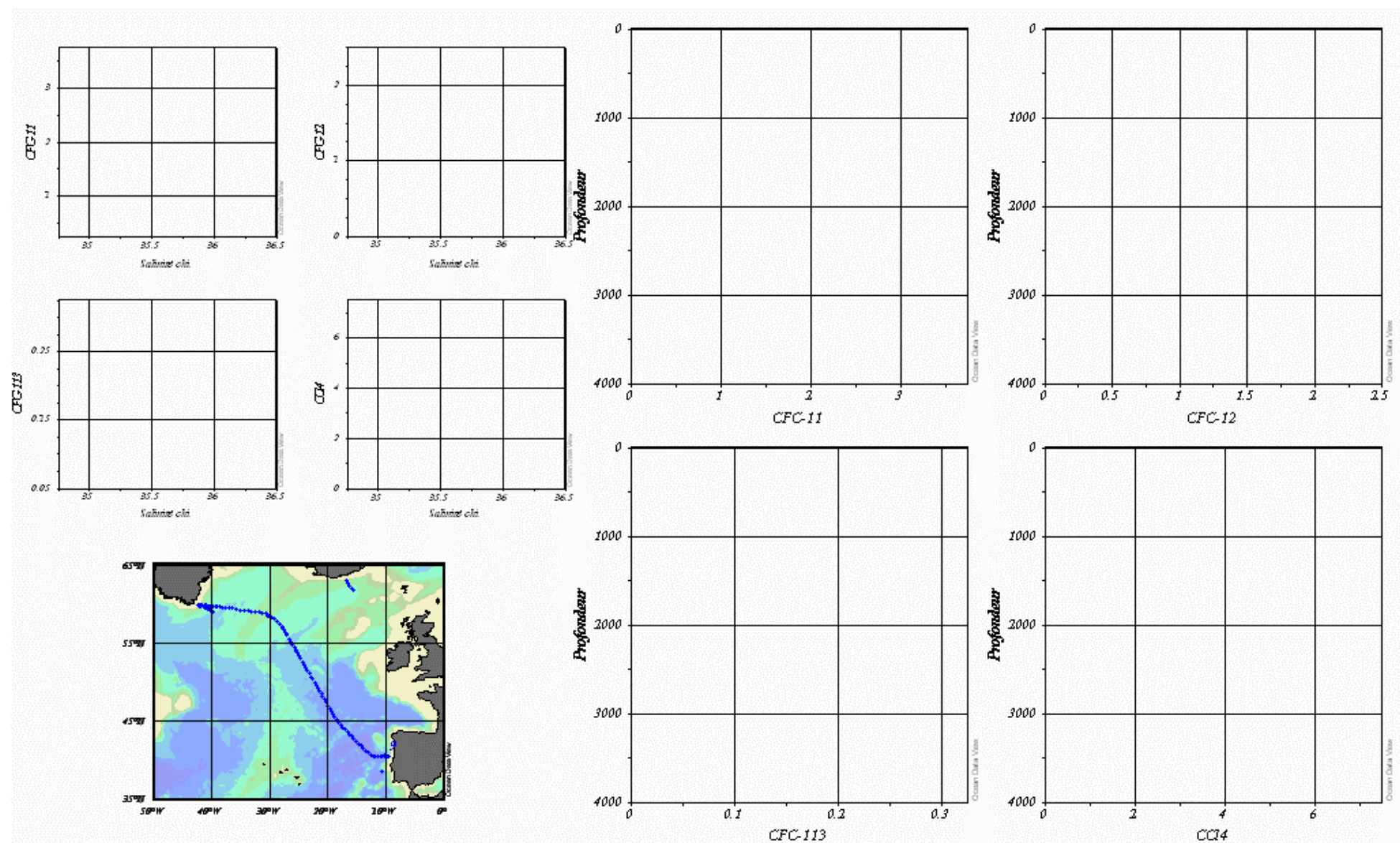




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
9	26/05/2006	05:18:29	40:19:99 N	10:01:97 W	3547m

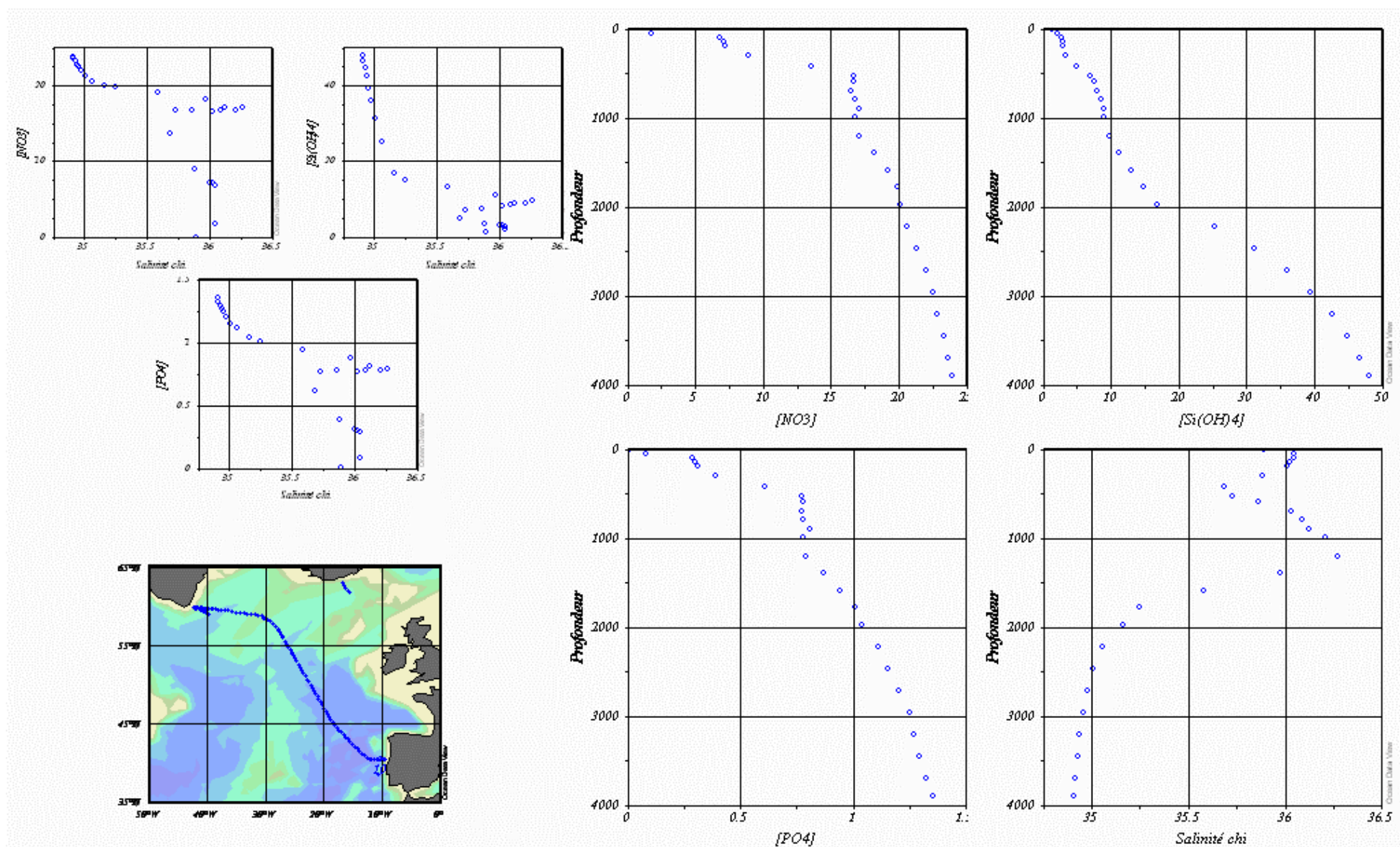
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
9	27	12.1	-12.0	17.104	35.841	35.843	5.705	0.1	0.6	0.01				
9	26	50.2	-49.9	16.457	35.842	35.847	5.9	0.0	0.7	0.05				
9	25	101.6	-101.0	13.838	35.990	35.990	5.451	5.7	2.2	0.25				
9	24	150.9	-150.0	13.381	35.951	35.946	5.297	7.9	2.8	0.39				
9	23	199.7	-198.5	12.997	35.877	35.871	5.327	8.6	2.9	0.41				
9	22	298.5	-296.6	12.542	35.804	35.802	5.23	9.8	3.3	0.48				
9	21	399.3	-396.6	11.845	35.691	35.691	4.78	13.4	4.8	0.66				
9	20	501.8	-498.3	11.324	35.692	35.694	4.355	16.2	6.7	0.85				
9	19	599.1	-594.8	11.614	35.907	35.908	4.231	16.0	7.3	0.81				
9	18	699.8	-694.6	11.588	36.046	36.046	4.203	16.0	7.8	0.82				
9	17	799.6	-793.5	11.369	36.071	36.072	4.168	16.4	8.3	0.84				
9	16	900.3	-893.2	11.271	36.152	36.140	4.162	16.4	8.7	0.84				
9	15	999.8	-991.7	11.210	36.216	36.215	4.166	16.4	8.8	0.85				
9	14	1201.8	-1191.5	10.870	36.269	36.266	4.24	16.4	9.4	0.92				
9	13	1399.8	-1387.3	9.150	35.963	35.962	4.537	17.4	10.6	0.95				
9	12	1600.8	-1585.8	6.827	35.535	35.538	5.06	18.6	13.7	1.01				
9	11	1799.9	-1782.2	5.430	35.322	35.325	5.401	19.1	15.5	1.08				
9	10	2000.0	-1979.5	4.297	35.144	35.142	5.651	19.6	17.7	1.16				
9	9	2247.8	-2223.5	3.561	35.050	35.045	5.722	20.4	26.4	1.22				
9	8	2498.7	-2470.2	3.072	35.002	34.999	5.718	21.1	32.6	1.29				
9	7	2748.7	-2715.8	2.803	34.976	34.972	5.696	21.5	36.7	1.28				
9	6	2999.1	-2961.5	2.555	34.952	34.949	5.667	22.0	40.2	1.30				
9	5	3239.5	-3197.1	2.396	34.938		5.654	22.4	42.9	1.32				
9	4	3500.2	-3452.4	2.249	34.924	34.921	5.614	23.0	45.7	1.39				
9	3	3590.0	-3540.2	2.215	34.920	34.922	5.617	23.0	46.1	1.37				

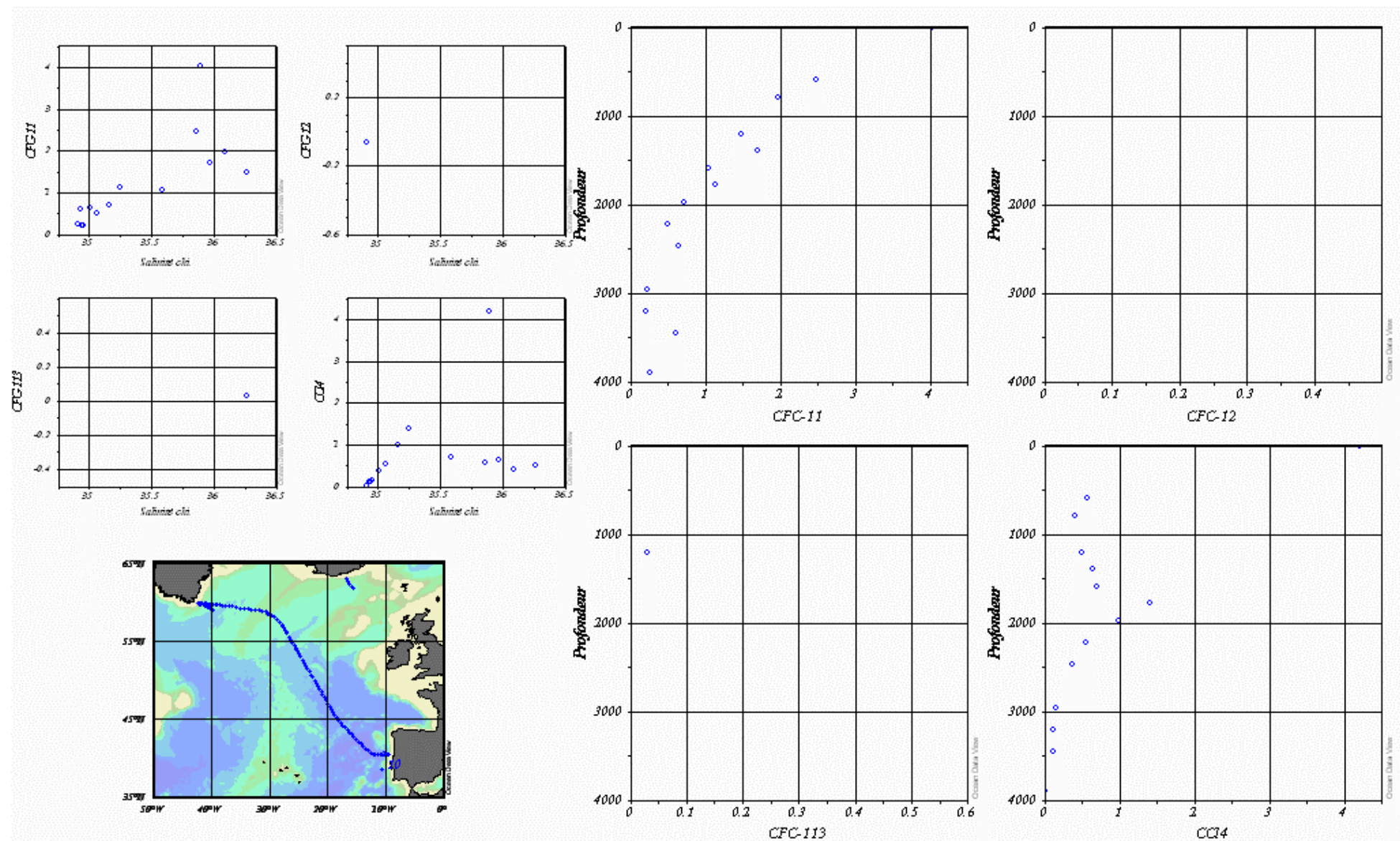




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
10	26/05/2006	09:39:55	40:20:04 N	10:17:99 W	3898m

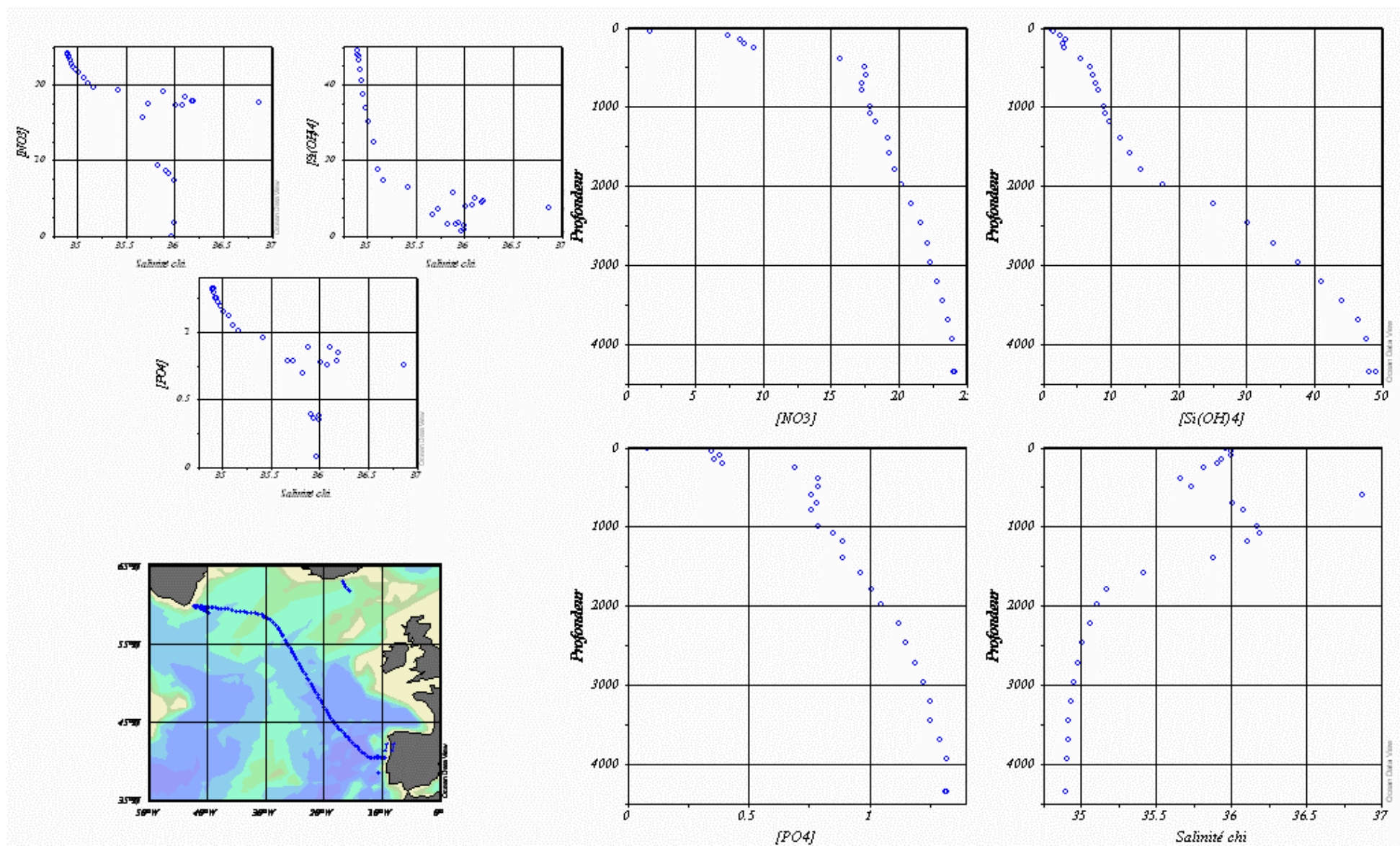
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
10	28	7.0	-7.0	16.923	35.890	35.891	5.715	0.0	1.4	0.01	4.02			4.20
10	27	50.7	-50.4	14.816	36.046	36.048	5.801	1.8	2.1	0.08				
10	26	100.3	-99.7	13.936	36.046	36.045	5.323	6.8	2.8	0.29				
10	25	149.9	-149.0	13.721	36.024	36.023	5.369	7.1	2.9	0.30				
10	24	200.4	-199.1	13.595	36.006	36.007	5.405	7.2	2.9	0.31				
10	23	297.6	-295.7	12.998	35.879	35.880	5.277	8.9	3.3	0.39				
10	22	428.9	-426.0	11.919	35.684	35.684	4.806	13.6	5.0	0.61				
10	21	530.2	-526.5	11.517	35.728	35.729	4.329	16.7	6.9	0.77				
10	20	599.7	-595.4	11.530	35.855	35.862	4.245	16.7	7.5	0.78	2.47			0.58
10	19	699.5	-694.3	11.595	36.019	36.028	4.194	16.5	8.0	0.77				
10	18	800.0	-793.9	11.422	36.088	36.090	4.156	16.8	8.6	0.78	1.97			0.40
10	17	899.5	-892.4	11.187	36.120	36.120	4.144	17.1	9.0	0.81				
10	16	999.0	-990.9	11.233	36.210	36.208	4.154	16.8	9.0	0.78				
10	15	1222.5	-1212.0	10.786	36.268	36.268	4.23	17.1	9.7	0.79	1.48		0.03	0.50
10	14	1398.1	-1385.6	9.118	35.972	35.973	4.533	18.2	11.1	0.87	1.70			0.65
10	13	1602.7	-1587.7	6.966	35.579	35.582	5.058	19.2	13.1	0.94	1.05			0.70
10	12	1800.6	-1782.9	5.048	35.247	35.244	5.521	19.9	14.9	1.01	1.14			1.40
10	11	1998.3	-1977.8	4.372	35.154	35.161	5.625	20.1	16.9	1.04	0.71			0.99
10	10	2248.1	-2223.8	3.605	35.055	35.058	5.726	20.6	25.3	1.11	0.49			0.55
10	9	2499.7	-2471.2	3.110	35.003	35.006	5.714	21.3	31.2	1.15	0.65			0.38
10	8	2750.1	-2717.2	2.816	34.977	34.978	5.671	22.0	36.0	1.20				
10	7	2999.8	-2962.2	2.581	34.956	34.955	5.661	22.5	39.4	1.25	0.22			0.15
10	6	3249.7	-3207.1	2.399	34.937	34.937	5.642	22.8	42.6	1.27	0.20			0.12
10	5	3500.3	-3452.5	2.257	34.924	34.931	5.622	23.3	44.8	1.29	0.61			0.11
10	4	3748.9	-3695.6	2.168	34.915	34.914	5.617	23.6	46.7	1.32				
10	3	3951.3	-3893.3	2.117	34.910	34.909	5.589	23.9	48.0	1.35	0.26	-0.06		0.01

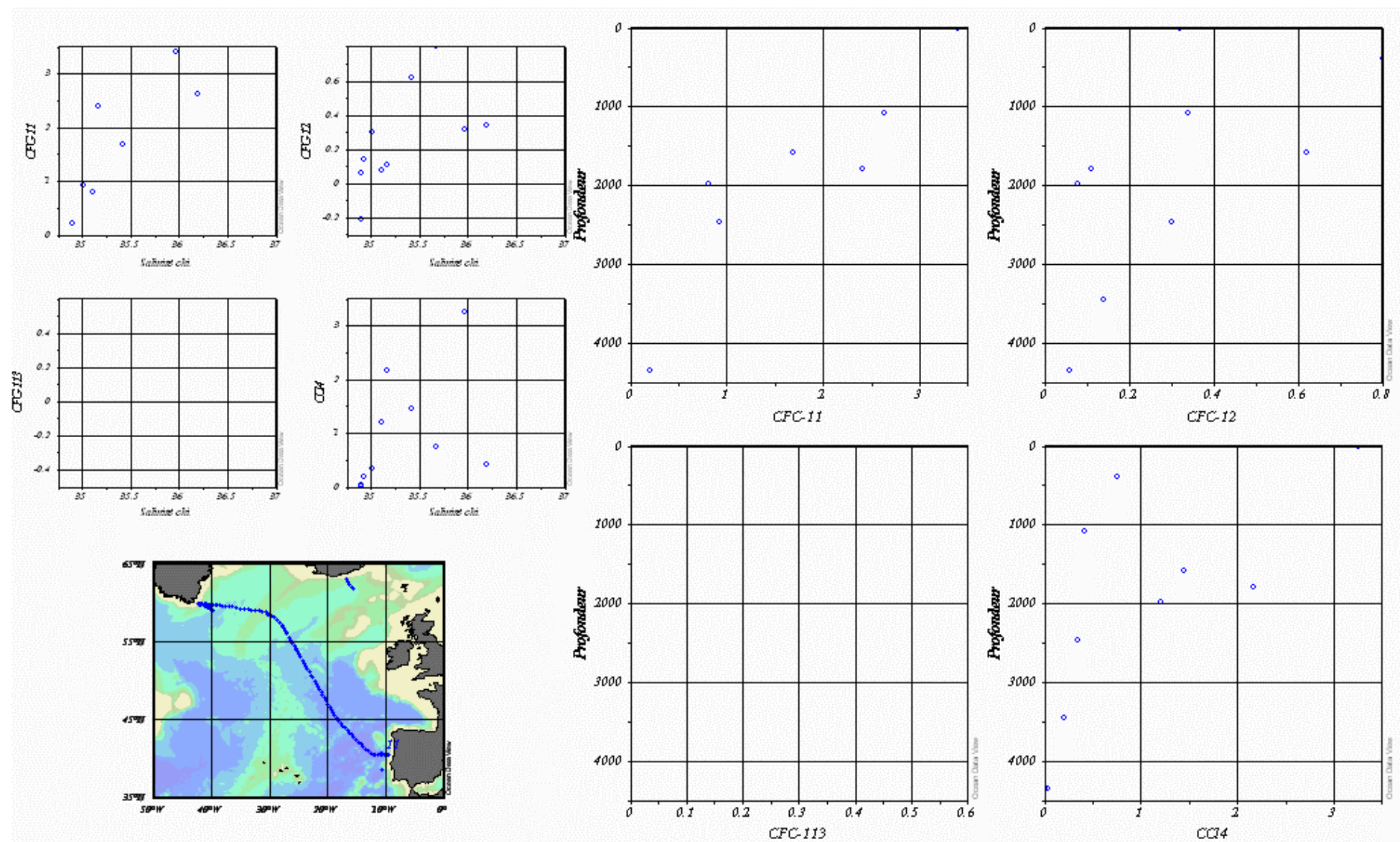




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
11	26/05/2006	14:37:55	40:20:09 N	10:34:50 W	4365m

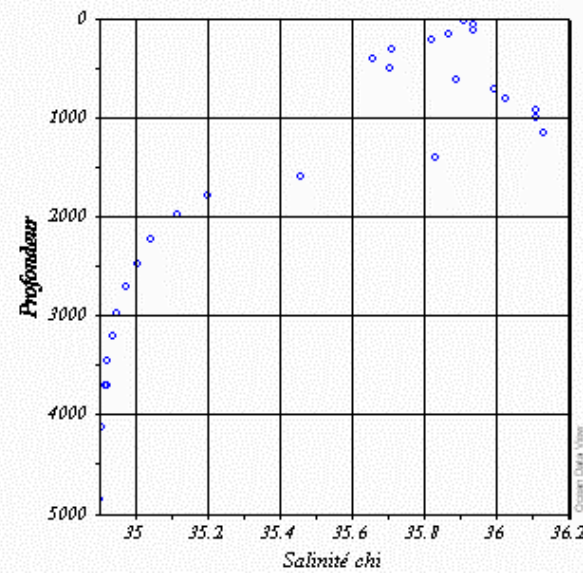
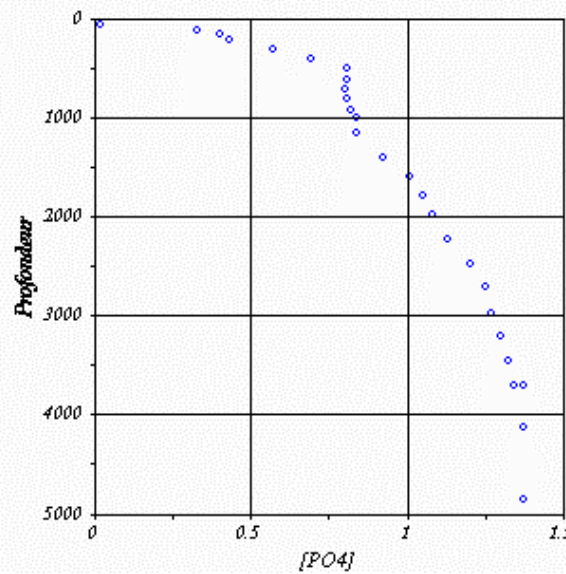
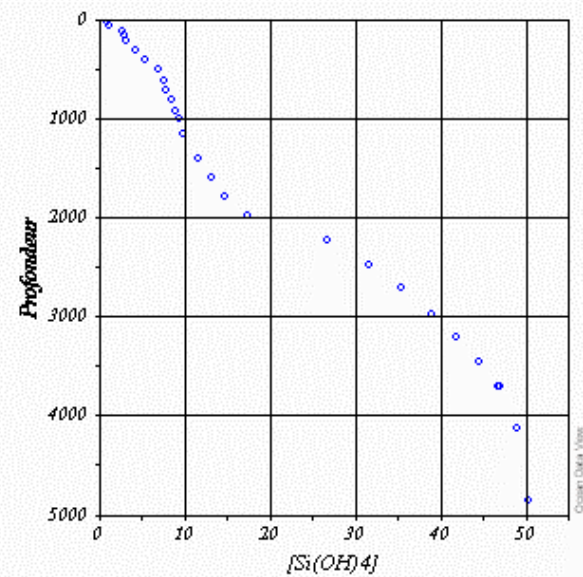
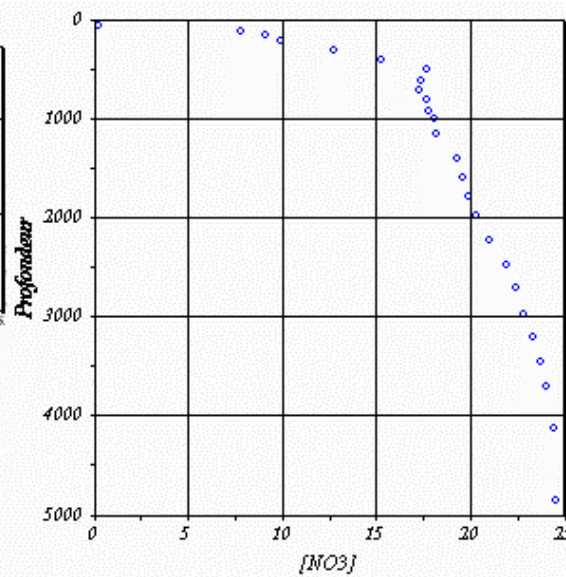
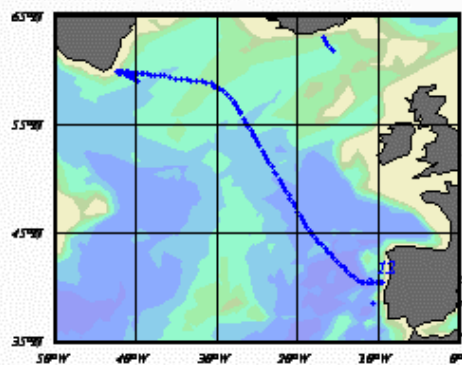
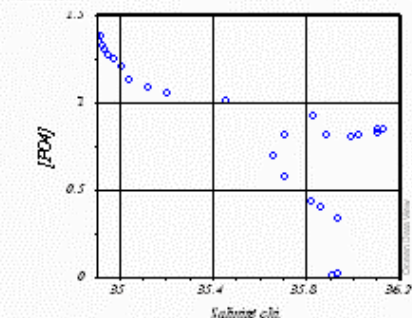
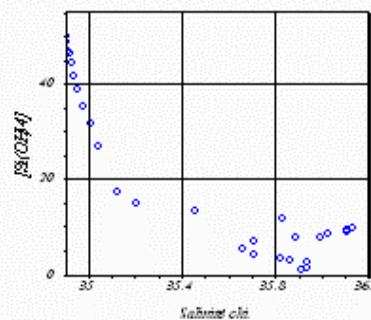
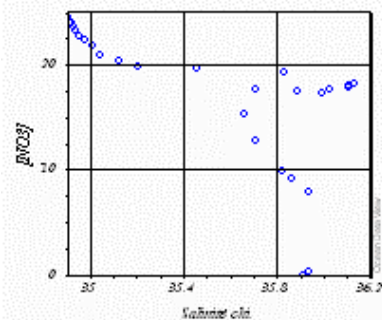
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
11	30	15.5	-15.4	17.313	35.964	35.964	5.821	0.0	1.2	0.08	3.40	0.32		3.26
11	29	49.2	-48.9	14.757	35.995	35.995	5.864	1.7	1.6	0.35				
11	28	99.8	-99.2	13.677	35.999	36.000	5.357	7.4	2.6	0.38				
11	27	148.1	-147.2	13.308	35.936	35.934	5.36	8.3	3.4	0.36				
11	26	198.9	-197.7	13.107	35.903	35.905	5.386	8.6	3.0	0.39				
11	25	258.7	-257.1	12.678	35.821	35.820	5.388	9.3	3.2	0.69				
11	24	398.6	-395.9	11.671	35.664	35.665	4.627	15.7	5.5	0.79		0.80		0.75
11	23	500.1	-496.6	11.417	35.729	35.732	4.31	17.5	6.9	0.79				
11	22	599.1	-594.8	11.451	35.868	36.871	4.232	17.6	7.4	0.76				
11	21	699.3	-694.1	11.582	36.006	36.008	4.218	17.3	7.7	0.78				
11	20	798.3	-792.2	11.473	36.088	36.083	4.18	17.3	8.1	0.76				
11	19	997.8	-989.7	11.029	36.171	36.172	4.179	17.9	8.9	0.79				
11	18	1097.6	-1088.5	10.806	36.186	36.188	4.211	17.9	9.2	0.85	2.63	0.34		0.42
11	17	1200.6	-1190.4	10.191	36.104	36.104	4.332	18.3	9.8	0.89				
11	16	1400.5	-1388.0	8.688	35.878	35.880	4.639	19.2	11.3	0.89				
11	15	1599.7	-1584.7	6.159	35.414	35.420	5.249	19.3	12.8	0.96	1.68	0.62		1.45
11	14	1802.0	-1784.3	4.684	35.169	35.171	5.673	19.7	14.5	1.01	2.40	0.11		2.16
11	13	2000.2	-1979.7	4.066	35.102	35.105	5.729	20.2	17.7	1.05	0.81	0.08		1.21
11	12	2249.1	-2224.8	3.633	35.065	35.062	5.675	20.9	25.0	1.12				
11	11	2500.2	-2471.7	3.175	35.014	35.013	5.691	21.6	30.2	1.15	0.92	0.30		0.34
11	10	2750.5	-2717.6	2.843	34.977	34.978	5.708	22.1	34.0	1.19				
11	9	2999.0	-2961.4	2.586	34.952	34.952	5.724	22.3	37.6	1.22				
11	8	3248.3	-3205.7	2.420	34.939	34.934	5.673	22.8	41.0	1.25				
11	7	3499.4	-3451.6	2.287	34.926	34.922	5.643	23.2	44.1	1.25		0.14		0.20
11	6	3749.2	-3695.9	2.193	34.917	34.914	5.617	23.6	46.4	1.29				
11	5	3998.4	-3939.3	2.115	34.910	34.908	5.626	23.9	47.7	1.32				
11	4	4420.7	-4351.2	2.063	34.903	34.900	5.608	24.0	48.1	1.32	0.21	0.06		0.03
11	3	4421.9	-4352.4	2.063	34.904	34.901	5.605	24.1	49.1	1.31		-0.21		0.01

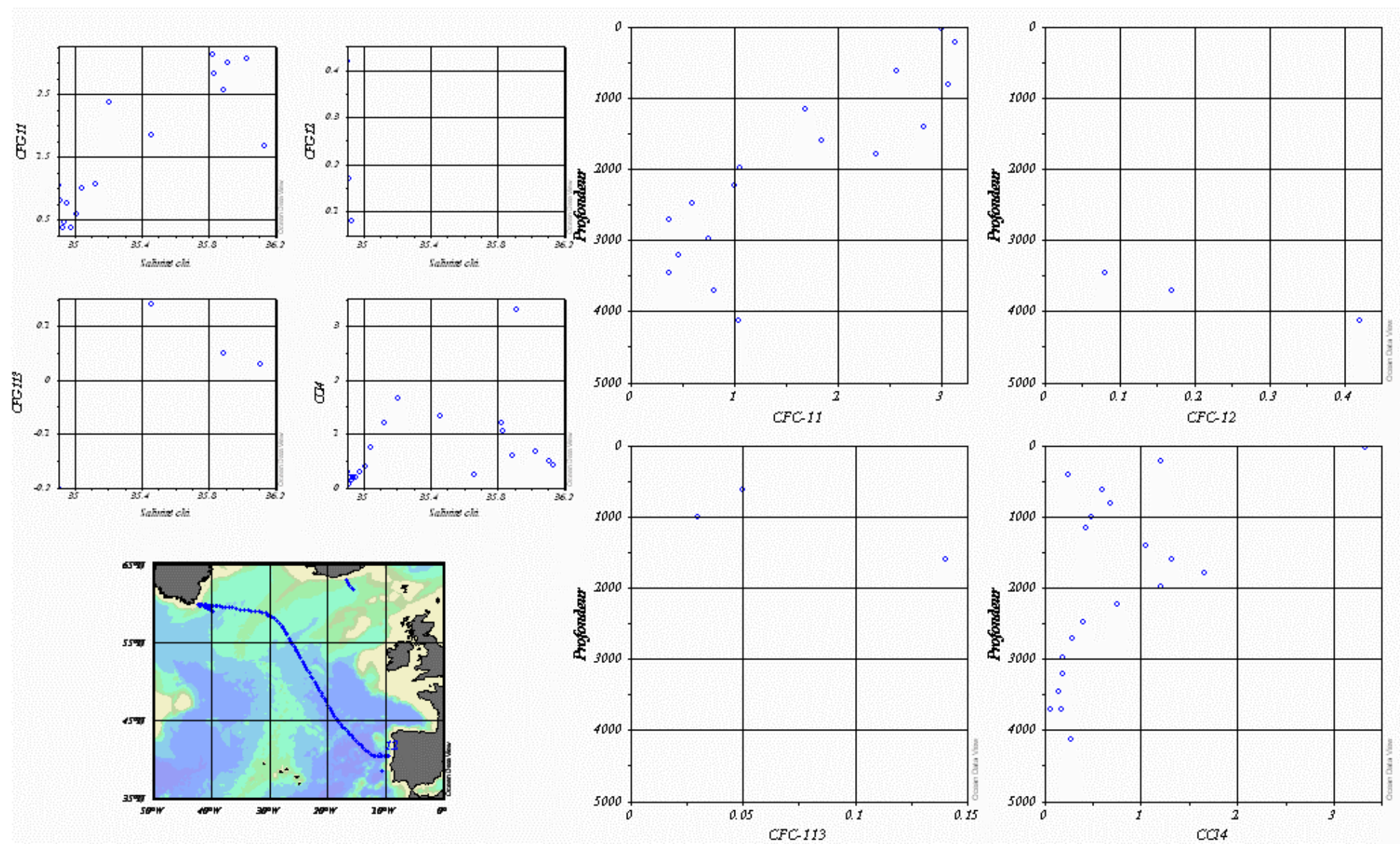




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
12	26/05/2006	19:21:35	40:20:07 N	10:54:31 W	4853m

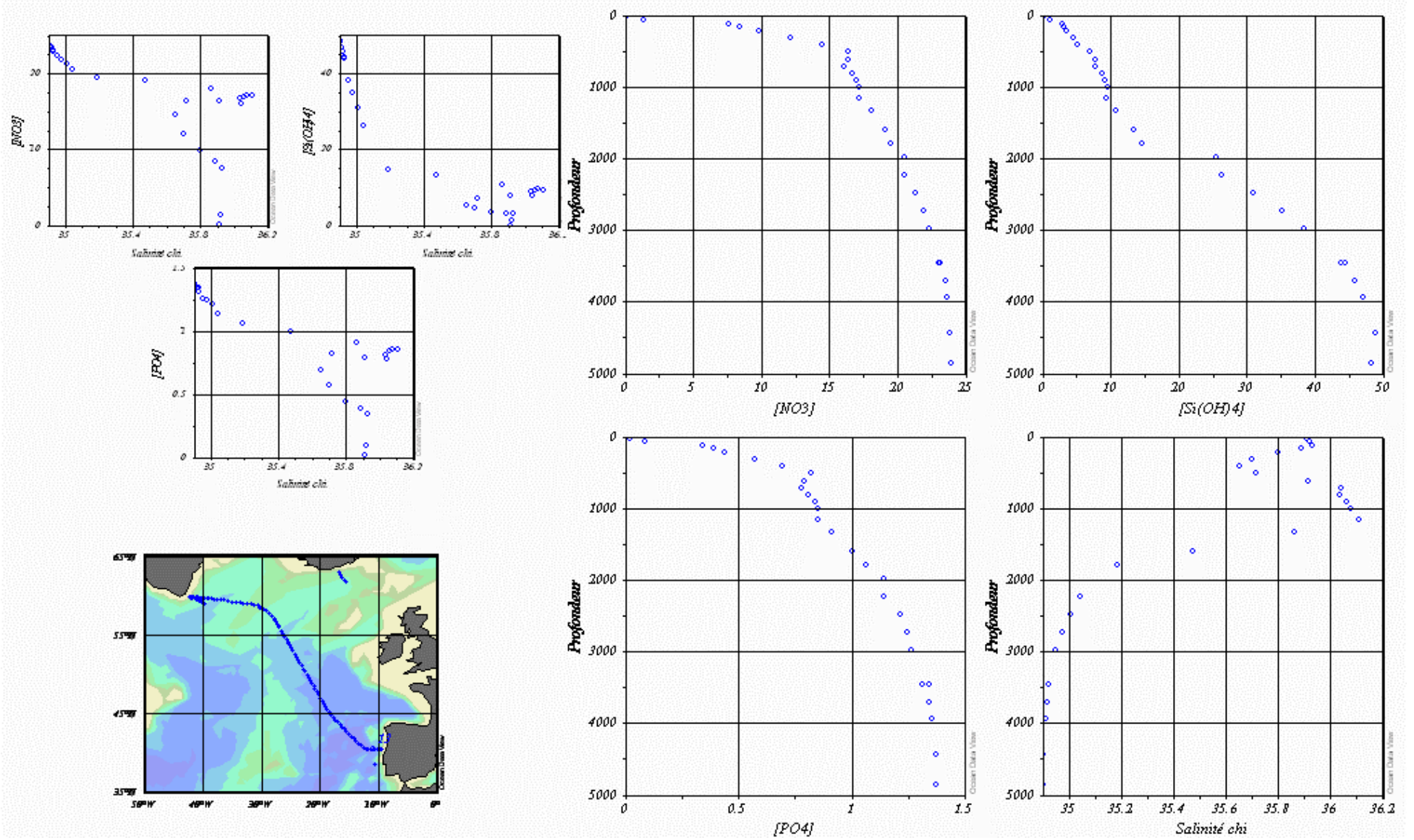
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
12	30	17.8	-17.7	16.995	35.910	35.911	5.731	0.0	1.0	0.01	3.00			3.32
12	29	52.6	-52.3	14.818	35.930	35.933	5.965	0.3	1.2	0.02				
12	28	101.4	-100.8	13.445	35.944	35.937	5.387	7.8	2.7	0.33				
12	27	151.7	-150.8	12.985	35.868	35.865	5.319	9.1	3.0	0.40				
12	26	199.1	-197.9	12.706	35.819	35.820	5.277	9.9	3.3	0.43	3.12			1.20
12	25	298.8	-296.9	12.103	35.711	35.710	4.964	12.8	4.3	0.57				
12	24	400.1	-397.4	11.605	35.659	35.657	4.707	15.3	5.5	0.69				0.24
12	23	501.1	-497.6	11.288	35.706	35.707	4.343	17.7	7.0	0.81				
12	22	600.6	-596.3	11.545	35.882	35.888	4.219	17.4	7.6	0.81	2.56		0.05	0.60
12	21	699.9	-694.7	11.489	35.988	35.993	4.2	17.3	7.9	0.80				
12	20	799.4	-793.3	11.244	36.029	36.027	4.18	17.7	8.5	0.81	3.06			0.68
12	19	920.1	-912.8	11.123	36.103	36.108	4.162	17.8	9.0	0.82				
12	18	999.4	-991.3	10.904	36.117	36.109	4.18	18.1	9.4	0.84			0.03	0.49
12	17	1149.9	-1140.2	10.512	36.125	36.130	4.246	18.2	9.9	0.84	1.68			0.43
12	16	1400.0	-1387.5	8.618	35.835	35.833	4.648	19.3	11.6	0.92	2.82			1.05
12	15	1599.9	-1584.9	6.205	35.428	35.456	5.189	19.6	13.3	1.01	1.84		0.14	1.32
12	14	1798.3	-1780.7	4.875	35.206	35.204	5.589	19.9	14.8	1.05	2.36			1.66
12	13	1998.9	-1978.4	4.204	35.118	35.120	5.716	20.3	17.3	1.08	1.06			1.20
12	12	2250.6	-2226.2	3.551	35.044	35.046	5.755	21.0	26.8	1.13	1.00			0.75
12	11	2500.4	-2471.9	3.151	35.006	35.009	5.706	21.9	31.5	1.20	0.59			0.40
12	10	2740.8	-2708.1	2.835	34.975	34.977	5.703	22.4	35.3	1.25	0.38			0.29
12	9	3000.3	-2962.7	2.549	34.948	34.949	5.701	22.8	38.9	1.27	0.76			0.19
12	8	3248.2	-3205.6	2.400	34.936	34.939	5.67	23.3	41.7	1.30	0.46			0.19
12	7	3500.0	-3452.2	2.277	34.925	34.925	5.636	23.7	44.5	1.32	0.38	0.08		0.15
12	6	3749.5	-3696.1	2.195	34.918	34.916	5.623	24.0	46.8	1.34	0.80	0.17		0.06
12	5	3748.7	-3695.4	2.194	34.918	34.921	5.614	24.0	46.6	1.37				0.18
12	4	4198.5	-4134.5	2.096	34.906	34.907	5.621	24.4	48.8	1.37	1.04	0.42	-0.20	0.28
12	3	4933.2	-4850.0	2.044	34.901	34.902	5.609	24.5	50.2	1.37				

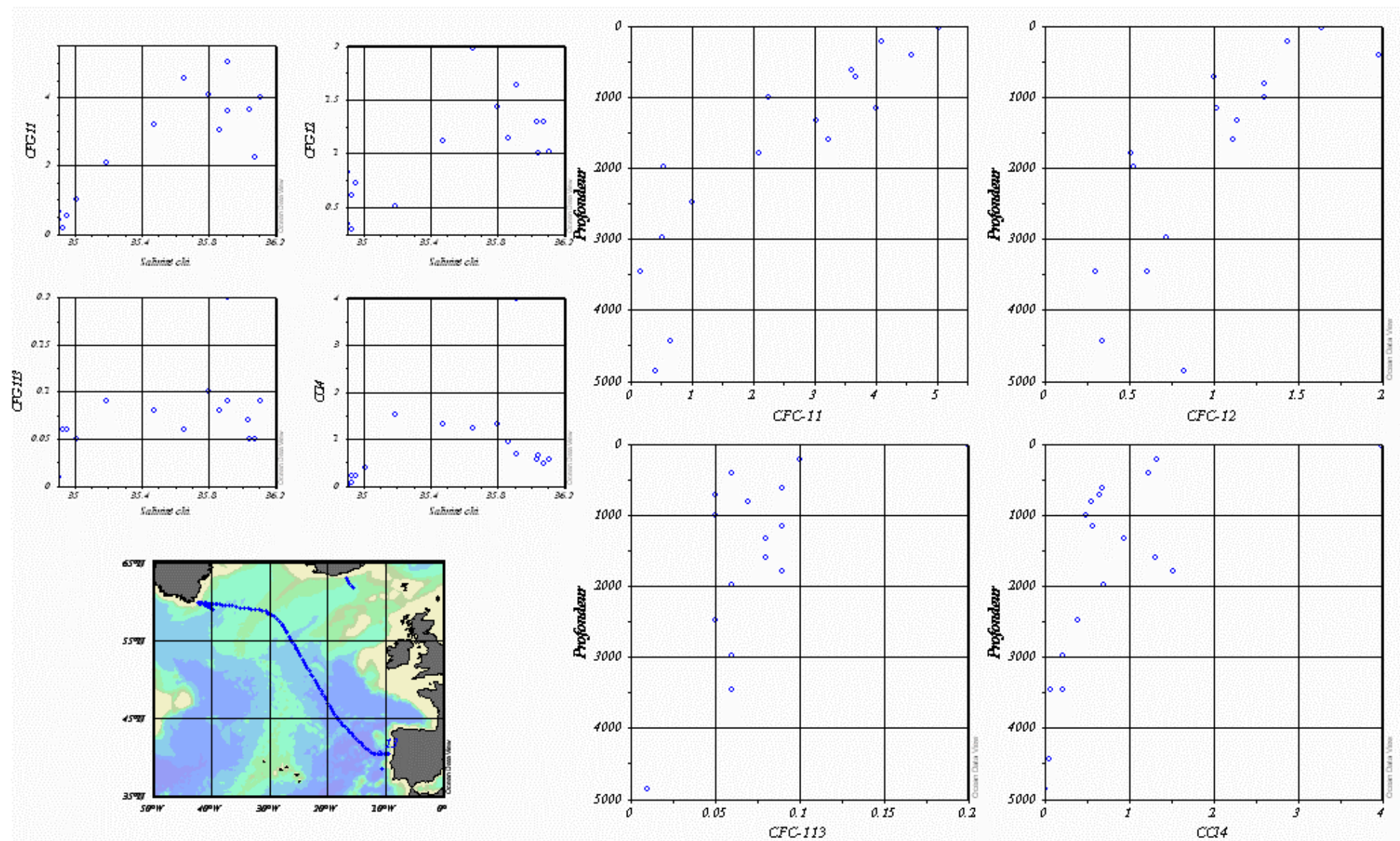




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
13	27/05/2006	18:44:18	40:19:94 N	10:54:24 W	4854m

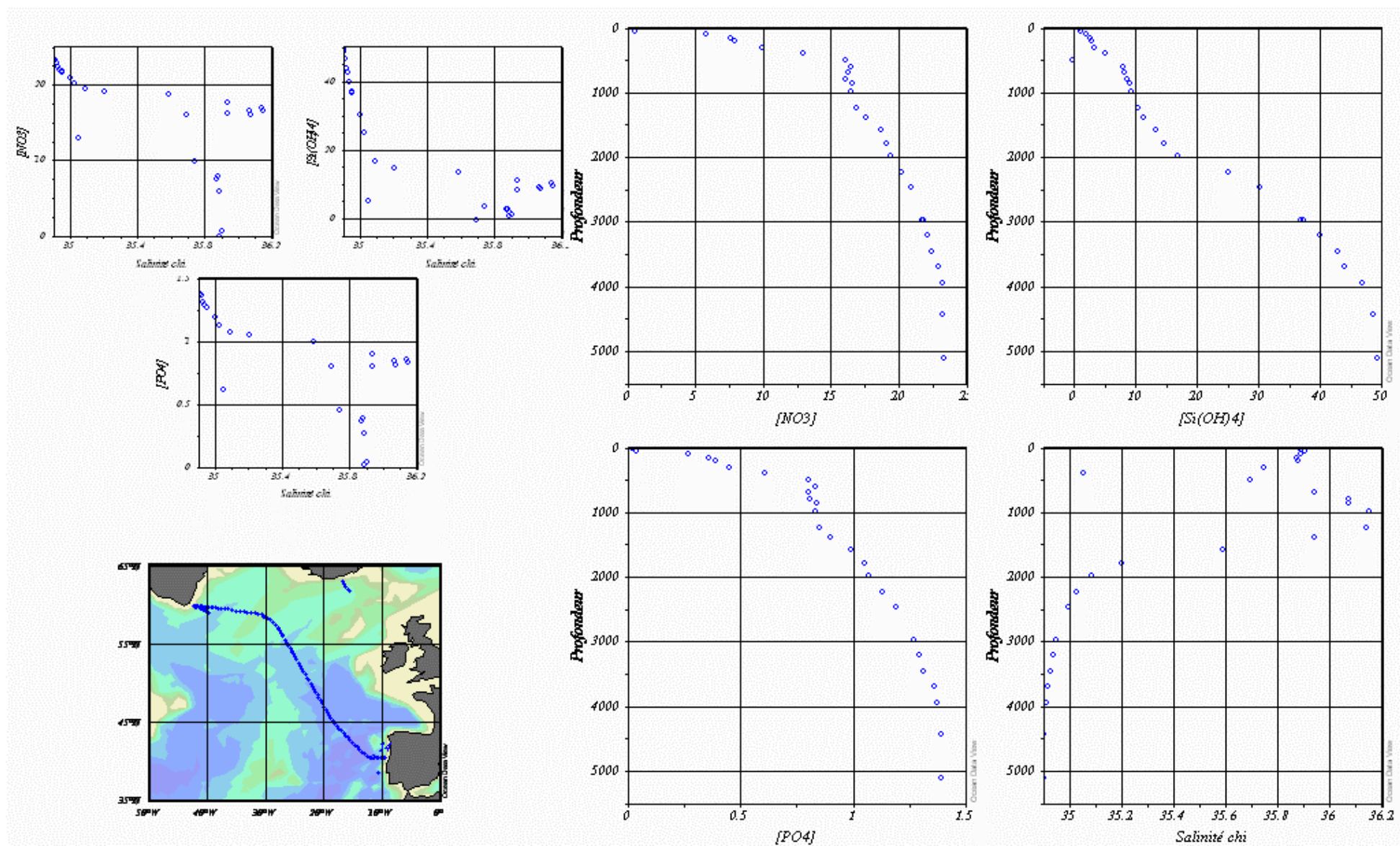
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
13	30	17.3	-17.2	17.165	35.903	35.911	5.756	0.1	0.0	0.02	5.03	1.64	0.20	3.99
13	29	49.4	-49.1	14.652	35.921	35.918	5.887	1.4	1.2	0.09				
13	28	101.1	-100.5	13.324	35.932	35.930	5.385	7.6	2.9	0.34				
13	27	150.7	-149.8	13.012	35.886	35.886	5.365	8.4	3.2	0.39				
13	26	200.3	-199.1	12.572	35.793	35.797	5.252	9.8	3.5	0.44	4.10	1.44	0.10	1.33
13	25	300.9	-299.0	12.009	35.698	35.697	4.985	12.1	4.5	0.57				
13	24	401.1	-398.4	11.562	35.655	35.654	4.712	14.5	5.2	0.69	4.58	1.98	0.06	1.24
13	23	501.0	-497.5	11.350	35.713	35.715	4.351	16.4	7.0	0.82				
13	22	600.9	-596.6	11.541	35.910	35.912	4.219	16.4	7.8	0.79	3.60		0.09	0.69
13	21	700.6	-695.4	11.601	36.039	36.040	4.211	16.1	7.7	0.78	3.66	1.00	0.05	0.65
13	20	800.9	-794.8	11.200	36.037	36.036	4.19	16.7	8.7	0.81		1.30	0.07	0.56
13	19	899.9	-892.8	10.932	36.063	36.061	4.192	17.0	9.1	0.84				
13	18	1000.7	-992.6	10.696	36.075	36.075	4.234	17.2	9.6	0.85	2.24	1.30	0.05	0.49
13	17	1149.0	-1139.3	10.428	36.111	36.110	4.274	17.2	9.3	0.85	4.00	1.02	0.09	0.57
13	16	1330.2	-1318.5	8.931	35.870	35.864	4.6	18.1	10.8	0.91	3.03	1.14	0.08	0.94
13	15	1601.1	-1586.1	6.467	35.473	35.472	5.176	19.1	13.4	1.00	3.22	1.12	0.08	1.32
13	14	1799.9	-1782.3	4.758	35.180	35.187	5.66	19.5	14.6	1.06	2.10	0.51	0.09	1.52
13	13	2000.3	-1979.8	4.141	35.108		5.758	20.5	25.5	1.14	0.55	0.53	0.06	0.70
13	12	2251.3	-2226.9	3.558	35.044	35.046	5.765	20.5	26.4	1.14				
13	11	2501.0	-2472.5	3.154	35.007	35.008	5.746	21.3	30.9	1.21	1.01		0.05	0.40
13	10	2749.9	-2717.0	2.809	34.974	34.974	5.713	21.9	35.1	1.24				
13	9	2999.9	-2962.3	2.573	34.951	34.951	5.728	22.3	38.4	1.26	0.52	0.72	0.06	0.21
13	8	3501.2	-3453.3	2.285	34.927	34.925	5.682	23.1	44.5	1.34		0.30		0.22
13	7	3501.7	-3453.8	2.285	34.926	34.925	5.671	23.0	43.9	1.31	0.17	0.61	0.06	0.07
13	6	3748.4	-3695.1	2.200	34.918	34.918	5.646	23.5	45.9	1.34				
13	5	4000.1	-3940.9	2.136	34.913	34.912	5.64	23.6	47.0	1.35				
13	4	4500.4	-4428.8	2.063	34.902	34.902	5.656	23.8	48.9	1.37	0.66	0.34		0.06
13	3	4930.7	-4847.6	2.044	34.902	34.900	5.641	23.9	48.3	1.37	0.42	0.83	0.01	0.01

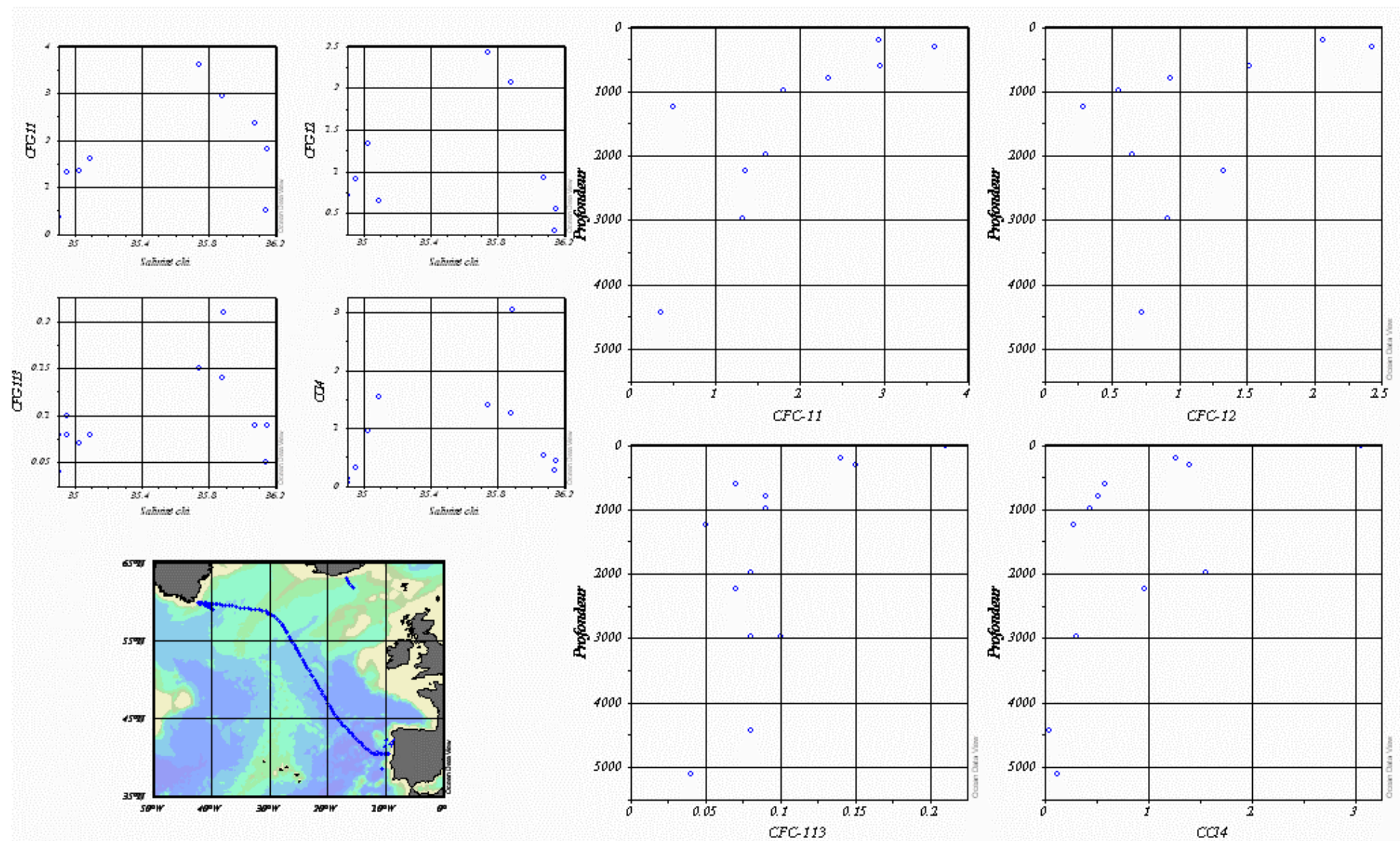




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
14	28/05/2006	00:14:04	40:20:00 N	11:20:45 W	5104m

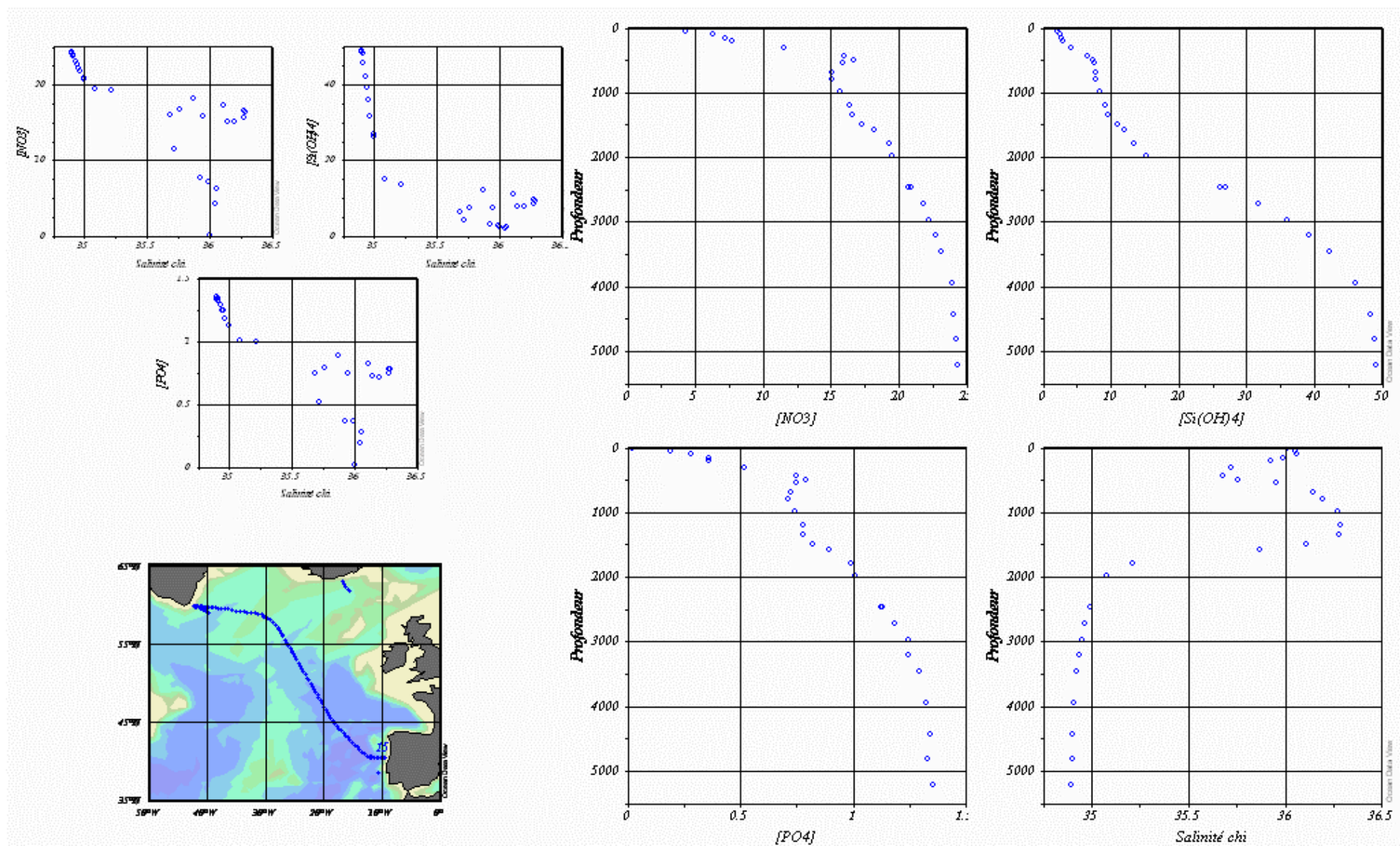
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
14	30	16.1	-16.0	16.944	35.884	35.884	5.718	0.0	0.9	0.02			0.21	3.05
14	29	49.7	-49.4	14.875	35.917	35.904	6	0.6	1.1	0.04				
14	28	101.1	-100.5	13.527	35.890	35.889	5.544	5.8	1.9	0.27				
14	27	152.2	-151.3	13.054	35.868	35.873	5.437	7.6	2.6	0.36				
14	26	200.2	-199.0	12.963	35.879	35.877	5.412	7.9	2.8	0.39	2.95	2.06	0.14	1.26
14	25	300.3	-298.4	12.310	35.747	35.744	5.272	9.9	3.4	0.45	3.61	2.42	0.15	1.40
14	24	401.3	-398.6	11.712	35.654	35.053	4.938	13.0	5.2	0.61				
14	23	501.2	-497.7	11.363	35.683	35.693	4.404	16.1	-0.3	0.80				
14	22	597.4	-593.1	11.322	35.776		4.275	16.5	7.9	0.83	2.96	1.52	0.07	0.58
14	21	699.7	-694.5	11.476	35.934	35.940	4.224	16.3	8.3	0.80				
14	20	799.9	-793.8	11.499	36.072	36.074	4.196	16.1	8.6	0.81	2.35	0.93	0.09	0.52
14	19	873.0	-866.2	11.214	36.070	36.070	4.18	16.6	9.1	0.84				
14	18	998.1	-990.0	11.127	36.148	36.148	4.189	16.5	9.4	0.83	1.82	0.55	0.09	0.44
14	17	1258.7	-1247.8	10.365	36.141	36.140	4.319	16.9	10.4	0.85	0.50	0.29	0.05	0.28
14	16	1399.3	-1386.8	9.289	35.959	35.940	4.57	17.6	11.3	0.90				
14	15	1599.9	-1584.9	7.058	35.590	35.590	5.043	18.7	13.4	0.99				
14	14	1800.0	-1782.4	4.939	35.213	35.201	5.642	19.1	14.6	1.05				
14	13	1999.2	-1978.7	4.034	35.086	35.087	5.834	19.4	16.9	1.07	1.60	0.65	0.08	1.55
14	12	2252.6	-2228.2	3.466	35.030	35.027	5.81	20.2	25.0	1.13	1.36	1.33	0.07	0.96
14	11	2498.2	-2469.7	3.079	34.997	34.998	5.777	20.9	30.2	1.19				
14	10	3000.0	-2962.4	2.586	34.953	34.952	5.743	21.7	37.2	1.27			0.10	0.31
14	9	2999.5	-2961.9	2.586	34.952	34.951	5.735	21.8	36.8	1.27	1.33	0.91	0.08	0.31
14	8	3248.6	-3206.0	2.435	34.940	34.939	5.722	22.1	39.8	1.29				
14	7	3499.3	-3451.5	2.324	34.929	34.928	5.694	22.4	42.7	1.31				
14	6	3748.6	-3695.3	2.227	34.921	34.918	5.657	22.9	43.9	1.36				
14	5	3999.2	-3940.1	2.160	34.914	34.914	5.649	23.2	46.8	1.37				
14	4	4498.5	-4427.0	2.069	34.905	34.903	5.649	23.2	48.5	1.39	0.37	0.72	0.08	0.05
14	3	5189.1	-5098.7	2.037	34.901	34.900	5.644	23.3	49.3	1.39			0.04	0.12

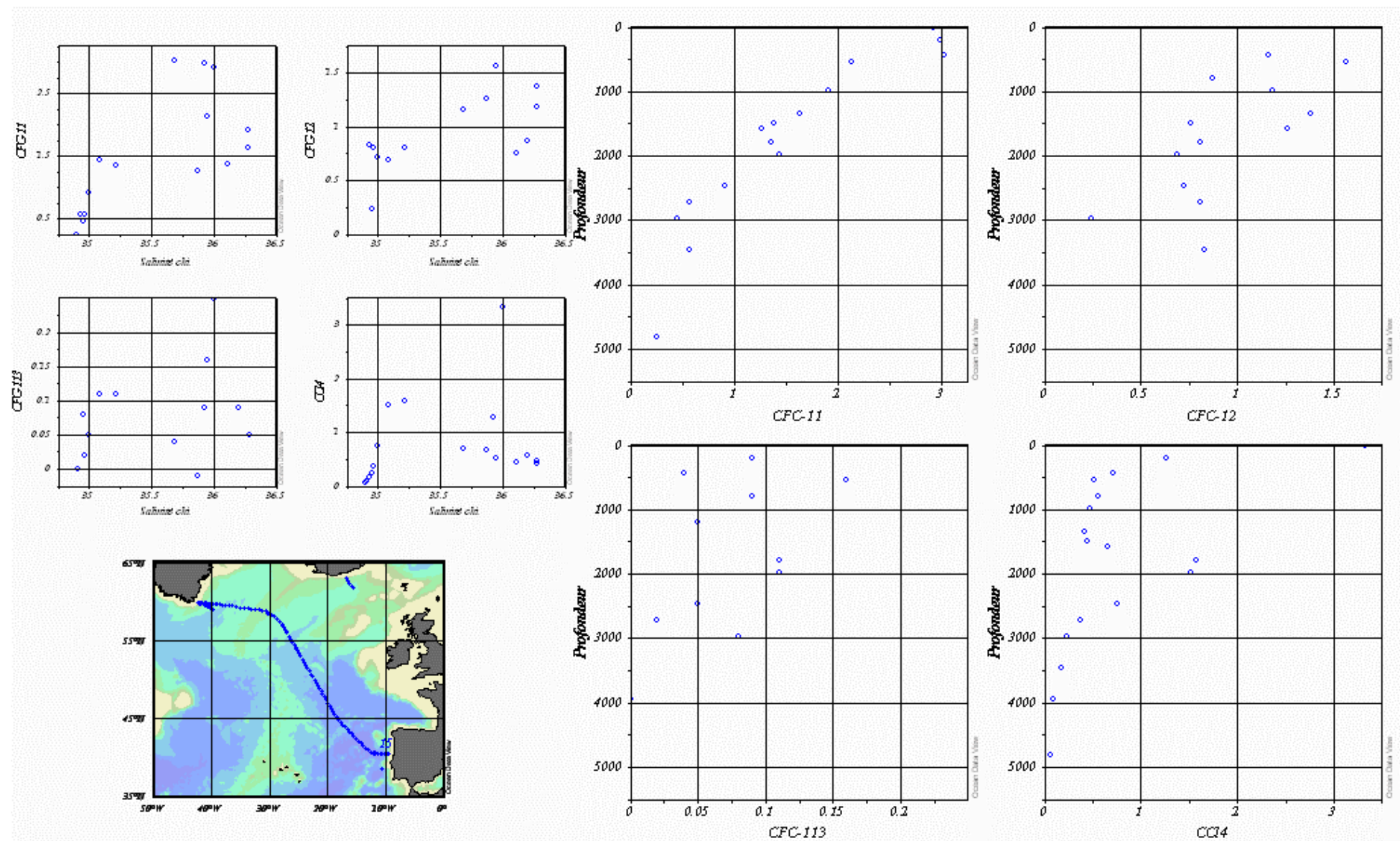




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
15	28/05/2006	05:46:55	40:20:00 N	11:46:72 W	5216m

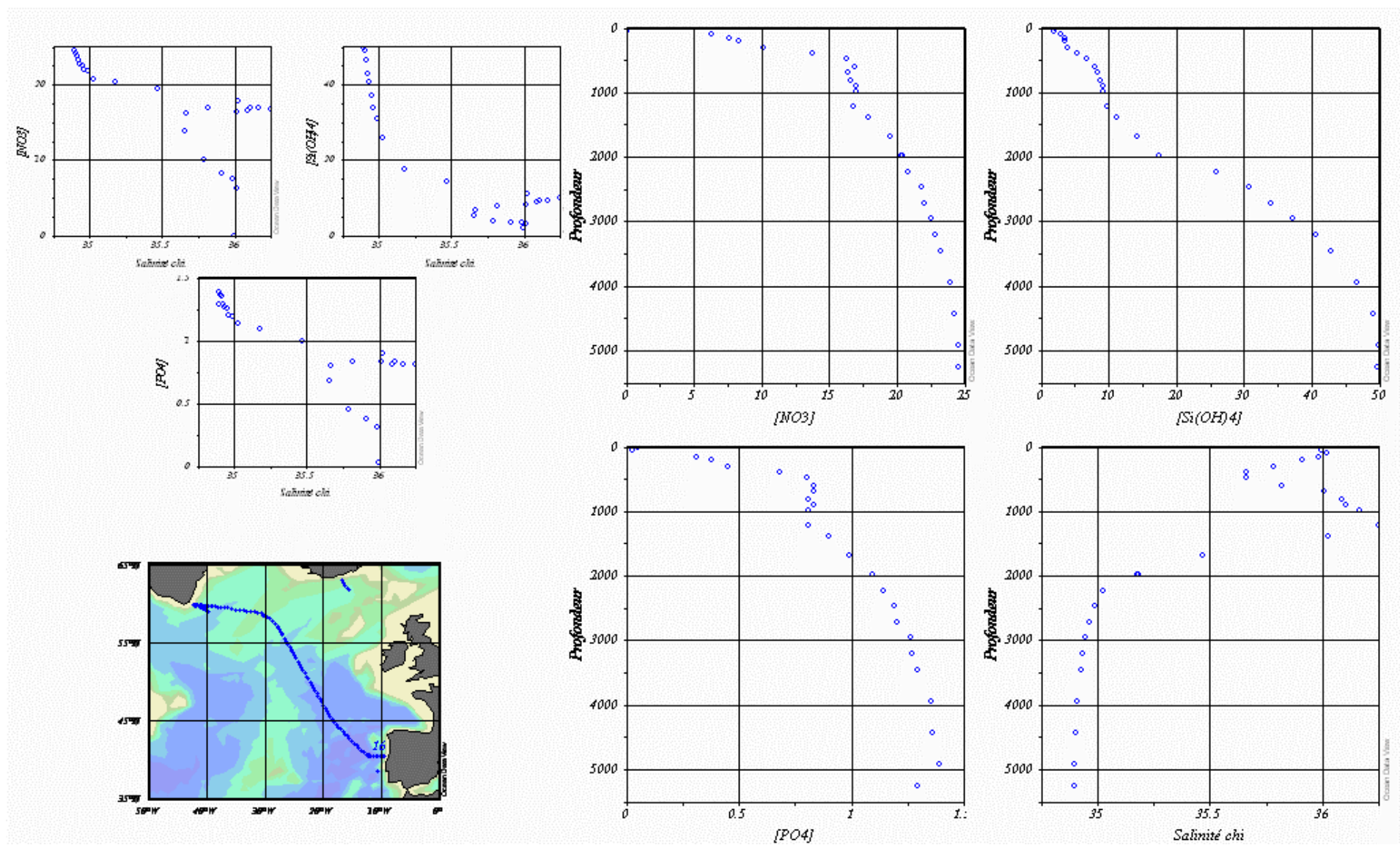
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
15	30	18.1	-18.0	16.673	36.009	36.007	5.869	0.1	2.4	0.02	2.91		0.25	3.33
15	29	50.5	-50.2	14.235	35.989	36.049	5.525	4.3	2.1	0.19				
15	28	99.1	-98.5	14.083	36.062	36.056	5.304	6.3	2.5	0.28				
15	27	150.5	-149.6	13.607	35.990	35.986	5.306	7.2	2.8	0.36				
15	26	201.8	-200.5	13.306	35.930	35.922	5.298	7.7	2.9	0.36	2.98		0.09	1.27
15	25	300.7	-298.8	12.275	35.732	35.723	4.999	11.5	4.1	0.52				
15	24	439.6	-436.6	11.471	35.679	35.681	4.416	16.0	6.5	0.75	3.02	1.16	0.04	0.71
15	23	501.0	-497.5	11.391	35.755	35.758	4.262	16.7	7.3	0.79				
15	22	545.5	-541.7	11.741	35.944	35.952		15.9	7.5	0.75	2.13	1.56	0.16	0.52
15	21	700.0	-694.8	11.875	36.143	36.142		15.1	7.7	0.72				
15	20	800.4	-794.3	11.853	36.193	36.194	4.244	15.1	7.8	0.71		0.87	0.09	0.56
15	19	998.8	-990.7	11.594	36.236	36.273	4.233	15.7	8.4	0.74	1.91	1.18		0.47
15	18	1201.4	-1191.1	11.169	36.253	36.285	4.21	16.4	9.2	0.78			0.05	
15	17	1353.6	-1341.5	10.903	36.279	36.280	4.231	16.6	9.6	0.78	1.63	1.38		0.41
15	16	1500.0	-1486.2	9.811	36.111	36.111	4.395	17.3	10.9	0.82	1.38	0.76		0.44
15	15	1600.6	-1585.5	8.461	35.858	35.866	4.655	18.2	12.0	0.89	1.27	1.26	-0.01	0.66
15	14	1799.9	-1782.3	4.965	35.206	35.211	5.614	19.3	13.5	0.99	1.35	0.81	0.11	1.58
15	13	2000.6	-1980.1	4.100	35.081	35.081	5.86	19.5	15.2	1.01	1.43	0.69	0.11	1.52
15	12	2500.3	-2471.8	3.099	34.991	34.991	5.828	20.9	26.1	1.12				
15	11	2499.5	-2471.0	3.096	34.991	34.991	5.842	20.7	27.0	1.13	0.91	0.72	0.05	0.75
15	10	2748.7	-2715.8	2.796	34.968	34.967	5.782	21.8	31.8	1.18	0.57	0.81	0.02	0.37
15	9	2999.9	-2962.3	2.580	34.952	34.951	5.736	22.2	36.0	1.24	0.45	0.24	0.08	0.23
15	8	3248.2	-3205.6	2.429	34.939	34.936	5.696	22.7	39.3	1.24				
15	7	3499.9	-3452.1	2.314	34.929	34.926	5.663	23.1	42.3	1.29	0.57	0.83		0.17
15	6	3998.9	-3939.8	2.154	34.915	34.911	5.634	23.9	46.0	1.32			0.00	0.09
15	5	4499.8	-4428.3	2.067	34.905	34.904	5.636	24.0	48.3	1.34				
15	4	4899.6	-4817.4	2.041	34.902	34.899	5.645	24.2	48.8	1.33	0.25			0.07
15	3	5308.6	-5214.8	2.034	34.902	34.897	5.684	24.3	49.0	1.35				

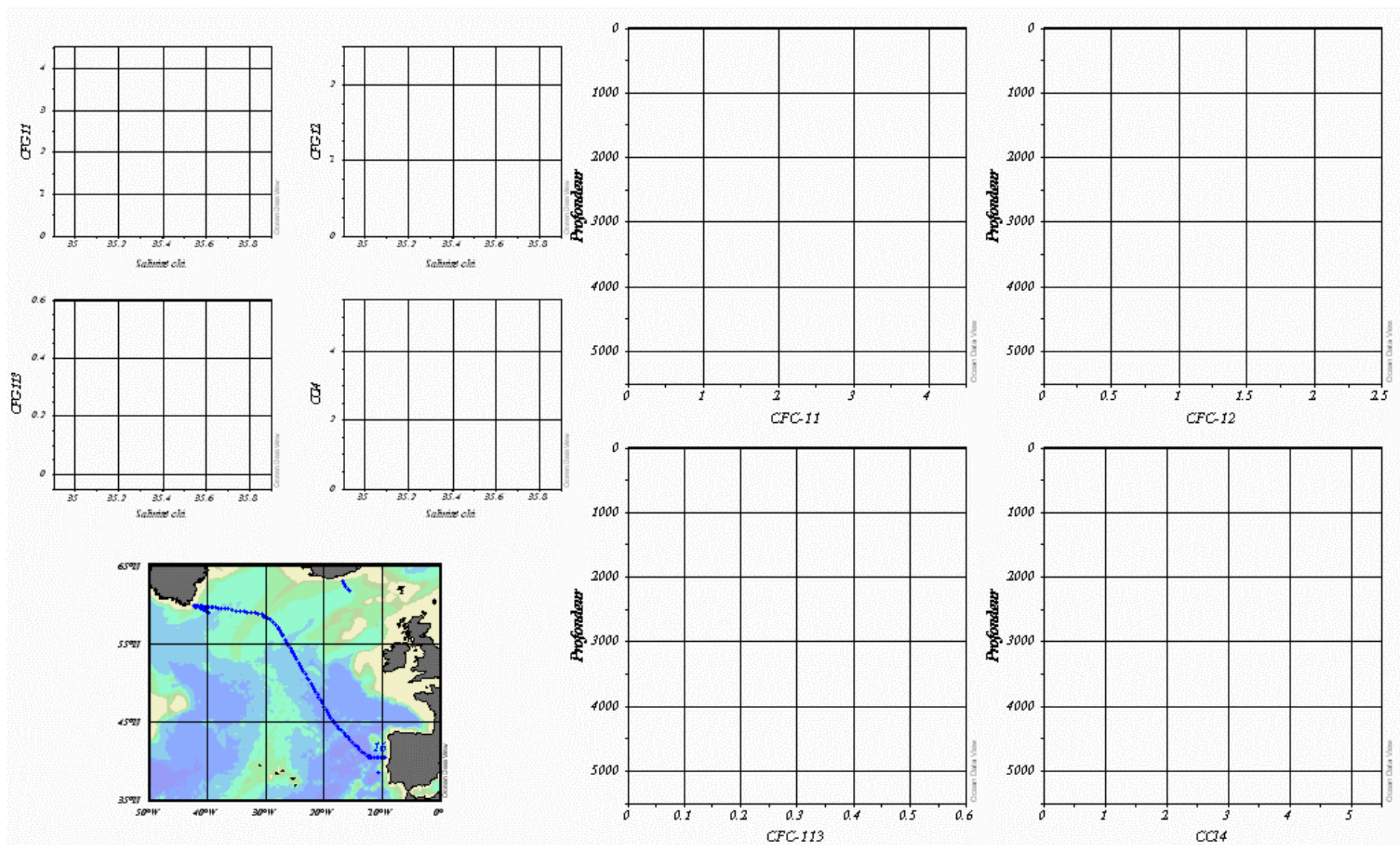




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
16	28/05/2006	12:03:08	40:20:00 N	12:13:22 W	5261m

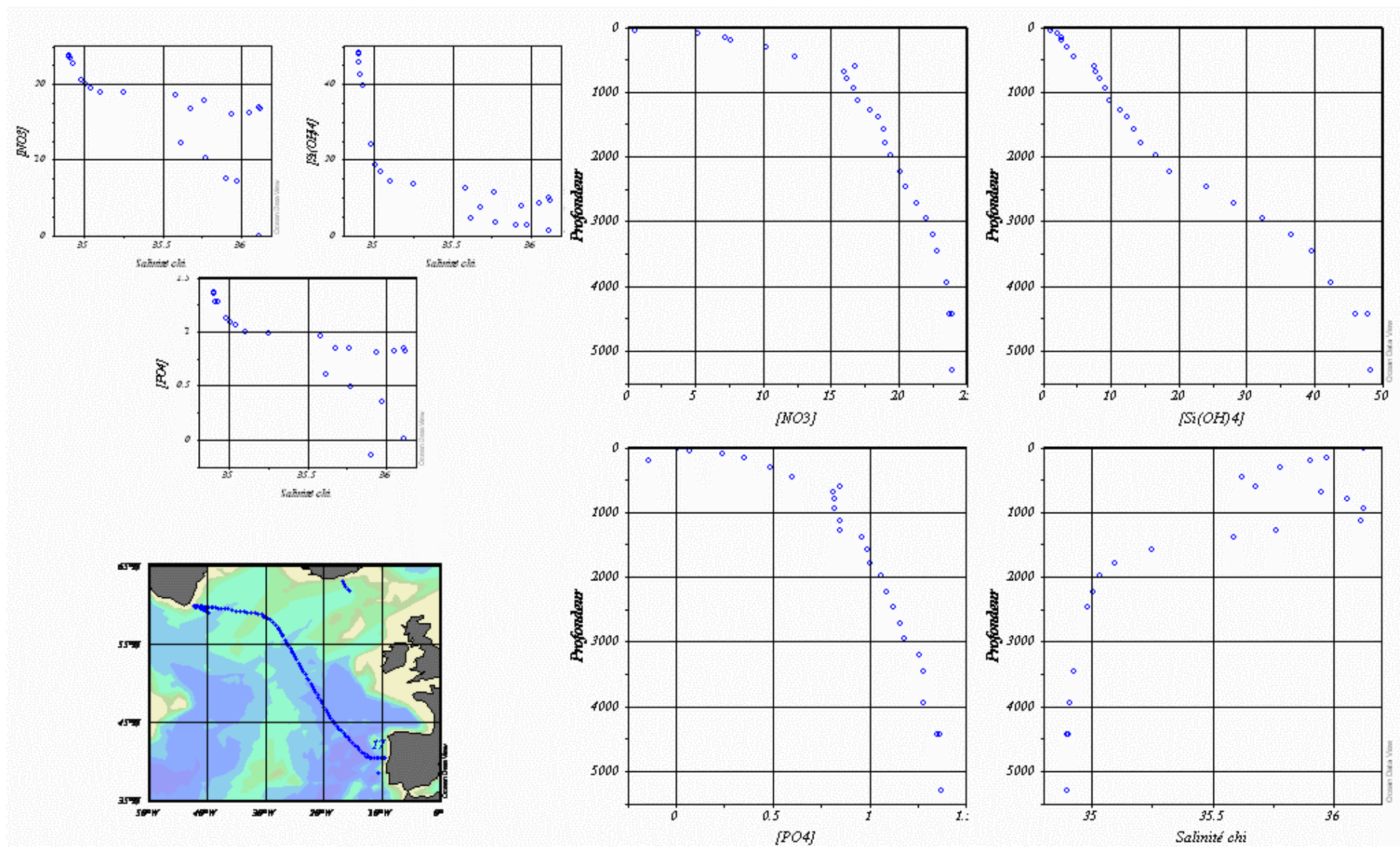
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
16	30	10.9	-10.8	17.277	35.979		5.82	0.0	2.2	0.05				
16	29	49.4	-49.1	15.081	35.994	35.992	6.041	0.0	2.0	0.03				
16	28	100.3	-99.7	13.913	36.016	36.015	5.391	6.3	2.9					
16	27	149.6	-148.7	13.565	35.984	35.981	5.362	7.6	3.6	0.31				
16	26	200.6	-199.3	13.138	35.905	35.906	5.352	8.3	3.6	0.38				
16	25	301.3	-299.4	12.468	35.777	35.782	5.236	10.1	3.9	0.45				
16	24	402.7	-400.0	11.723	35.660	35.658	4.826	13.8	5.4	0.68				
16	23	481.1	-477.8	11.384	35.665	35.663	4.474	16.3	6.8	0.80				
16	22	601.1	-596.8	11.359	35.804	35.816	4.259	16.9	7.9	0.83				
16	21	701.6	-696.4	11.571	36.009	36.007	4.219	16.4	8.3	0.83				
16	20	821.2	-814.9	11.422	36.087	36.085	4.186	16.6	8.8	0.81				
16	19	901.6	-894.5	11.237	36.104	36.103	4.161	17.0	9.2	0.83				
16	18	999.2	-991.1	11.145	36.161	36.161	4.165	17.0	9.2	0.81				
16	17	1222.8	-1212.3	10.930	36.277	36.245	4.221	16.8	9.8	0.81				
16	16	1400.5	-1387.9	9.482	36.024	36.022	4.497	17.9	11.1	0.90				
16	15	1699.4	-1683.1	6.304	35.468	35.466	5.188	19.5	14.2	0.99				
16	14	1999.6	-1979.1	4.495	35.179	35.180	5.586	20.3	17.5	1.09				
16	13	2000.2	-1979.7	4.485	35.178	35.179	5.62	20.4	17.5	1.09				
16	12	2250.1	-2225.7	3.430	35.022	35.025	5.85	20.8	26.0	1.14				
16	11	2500.2	-2471.7	3.060	34.990	34.989	5.791	21.8	30.8	1.19				
16	10	2748.1	-2715.2	2.780	34.966	34.965	5.774	22.0	34.0	1.20				
16	9	2997.6	-2960.0	2.582	34.951	34.949	5.741	22.5	37.1	1.26				
16	8	3248.8	-3206.2	2.437	34.940	34.937	5.701	22.8	40.6	1.27				
16	7	3500.3	-3452.5	2.326	34.929	34.928	5.681	23.2	42.8	1.29				
16	6	3999.6	-3940.5	2.164	34.915	34.911	5.656	23.9	46.7	1.35				
16	5	4498.4	-4426.9	2.071	34.906	34.907	5.658	24.2	49.1	1.36				
16	4	5001.4	-4916.4	2.041	34.902	34.899	5.669	24.5	49.9	1.39				
16	3	5353.9	-5258.7	2.034	34.901	34.899	5.697	24.5	49.7	1.29				

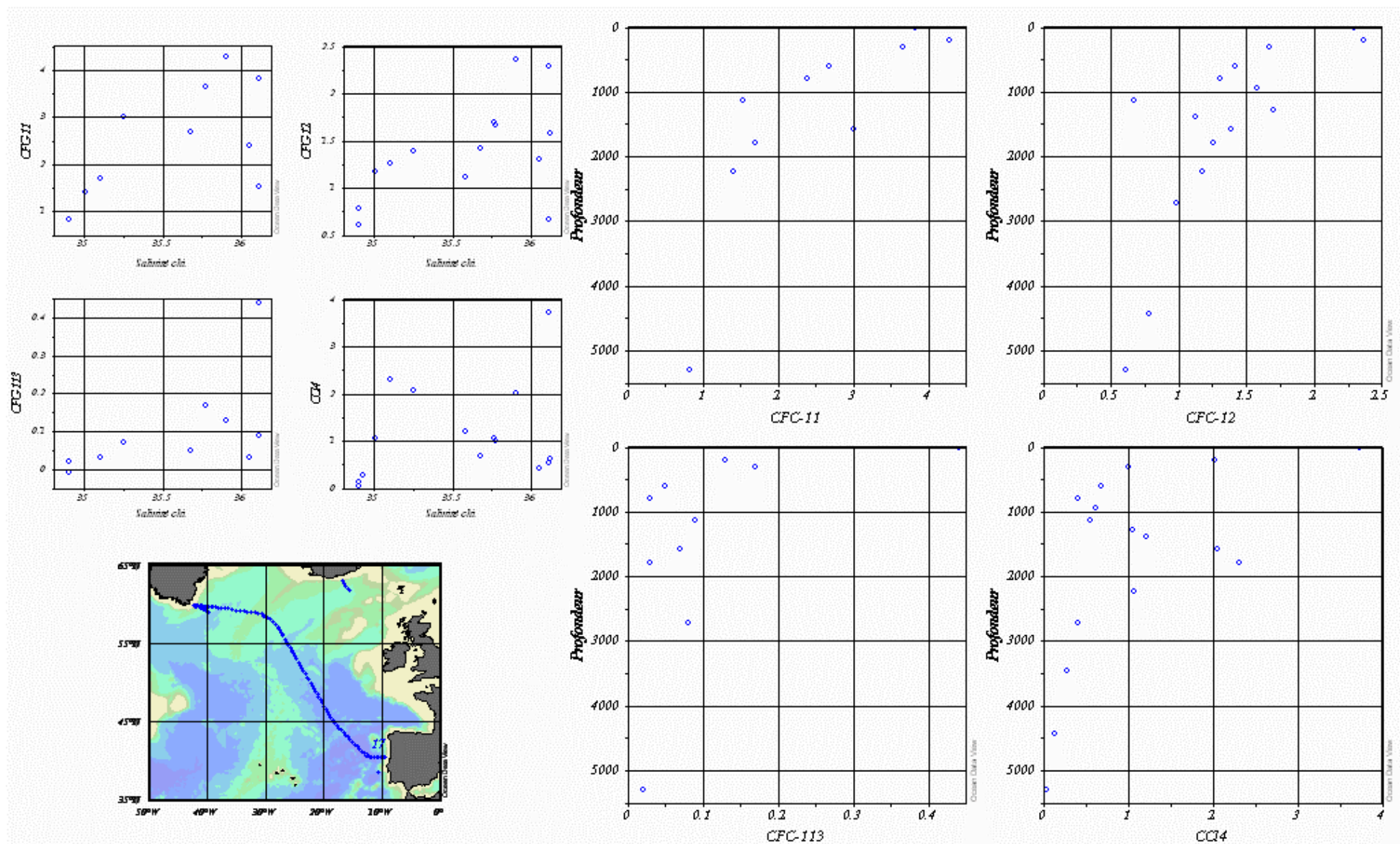




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
17	28/05/2006	18:05:47	40:33:06 N	12:38:76 W	5313m

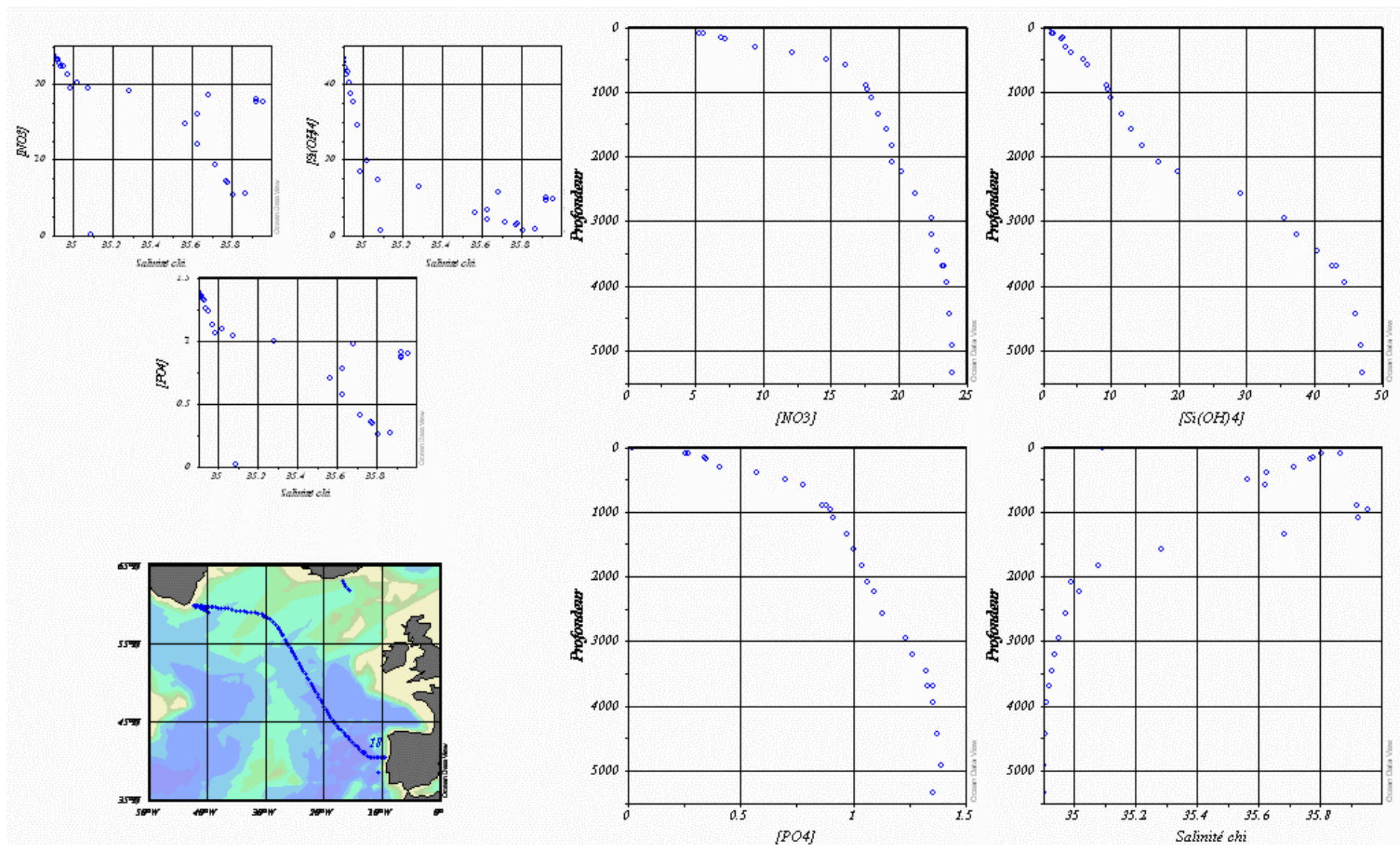
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
17	30	16.8	-16.7	17.384	36.121	36.121	5.699	0.0	1.3	0.01	3.82	2.29	0.44	3.73
17	29	49.7	-49.4	15.247	36.100		5.772	0.6	1.1	0.07				
17	28	99.5	-98.9	14.165	36.037		5.403	5.2	2.2	0.24				
17	27	151.9	-151.0	13.632	35.974	35.973	5.257	7.2	2.7	0.35				
17	26	200.5	-199.2	13.234	35.905	35.905	5.316	7.6	2.8	-0.14	4.28	2.36	0.13	2.02
17	25	300.8	-298.9	12.553	35.781	35.777	5.057	10.2	3.6	0.49	3.65	1.67	0.17	1.01
17	24	451.1	-448.0	11.530	35.619	35.620	5.096	12.3	4.5	0.60				
17	23	600.6	-596.3	10.940	35.683	35.679	4.308	16.8	7.5	0.85	2.68	1.42	0.05	0.69
17	22	700.4	-695.2	11.429	35.943	35.946	4.196	16.0	7.8	0.81				
17	21	801.3	-795.2	11.357	36.056	36.056	4.171	16.2	8.4	0.82	2.39	1.31	0.03	0.41
17	20	947.6	-940.1	11.061	36.121	36.123	4.161	16.7	9.1	0.82		1.58		0.62
17	19	1138.5	-1129.0	10.368	36.111	36.113	4.268	17.0	9.8	0.85	1.54	0.67	0.09	0.55
17	18	1300.1	-1288.8	8.405	35.768	35.765	4.698	17.9	11.4	0.85		1.70		1.05
17	16	1400.3	-1387.8	7.304	35.581	35.587	4.967	18.5	12.4	0.96		1.12		1.21
17	15	1600.2	-1585.3	5.285	35.249	35.250	5.528	18.9	13.5	0.99	3.00	1.39	0.07	2.06
17	14	1800.3	-1782.7	4.271	35.094	35.099	5.834	19.0	14.4	1.00	1.70	1.26	0.03	2.31
17	13	2000.7	-1980.2	3.739	35.033	35.037	5.918	19.4	16.7	1.06				
17	12	2252.6	-2228.2	3.321	35.005	35.007	5.872	20.1	18.7	1.09	1.41	1.17		1.07
17	11	2500.2	-2471.7	3.009	34.983	34.983	5.817	20.5	24.0	1.12				
17	10	2750.5	-2717.6	2.742	34.964		5.776	21.3	28.2	1.16		0.98	0.08	0.41
17	9	2998.4	-2960.8	2.551	34.948		5.721	22.0	32.4	1.18				
17	8	3250.5	-3207.9	2.412	34.937		5.693	22.5	36.6	1.26				
17	7	3501.2	-3453.3	2.315	34.928	34.928	5.663	22.8	39.7	1.28				0.28
17	6	3996.9	-3937.8	2.168	34.913	34.912	5.632	23.5	42.4	1.28				
17	5	4500.5	-4428.9	2.070	34.904	34.903	5.628	23.7	46.0	1.36				
17	4	4499.0	-4427.5	2.070	34.904	34.901	5.627	23.9	47.9	1.35		0.78	-0.01	0.14
17	3	5399.1	-5302.6	2.034	34.902	34.899	5.644	23.9	48.3	1.37	0.83	0.61	0.02	0.04

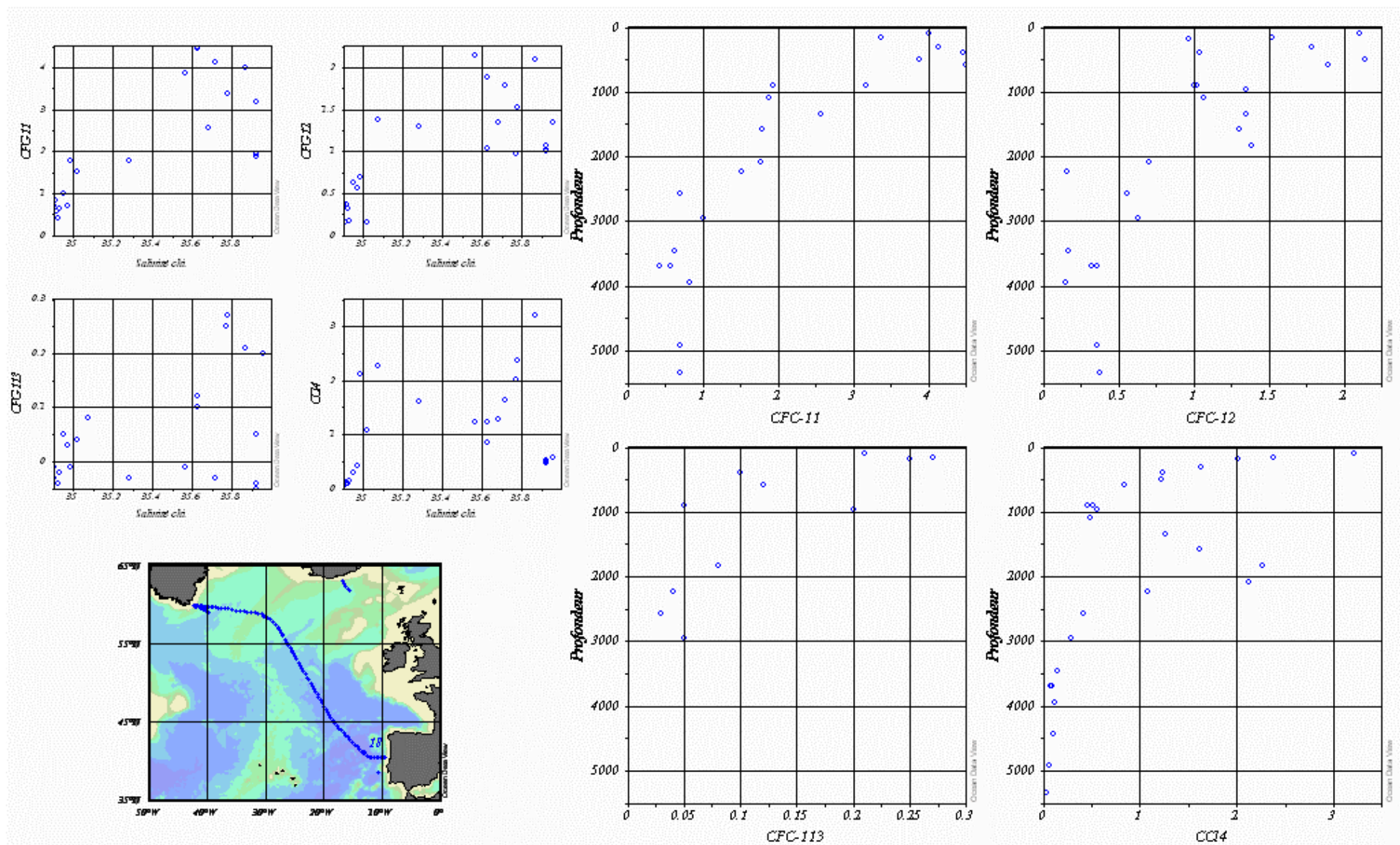




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
18	29/05/2006	00:51:24	40:47:16 N	13:05:89 W	5345m

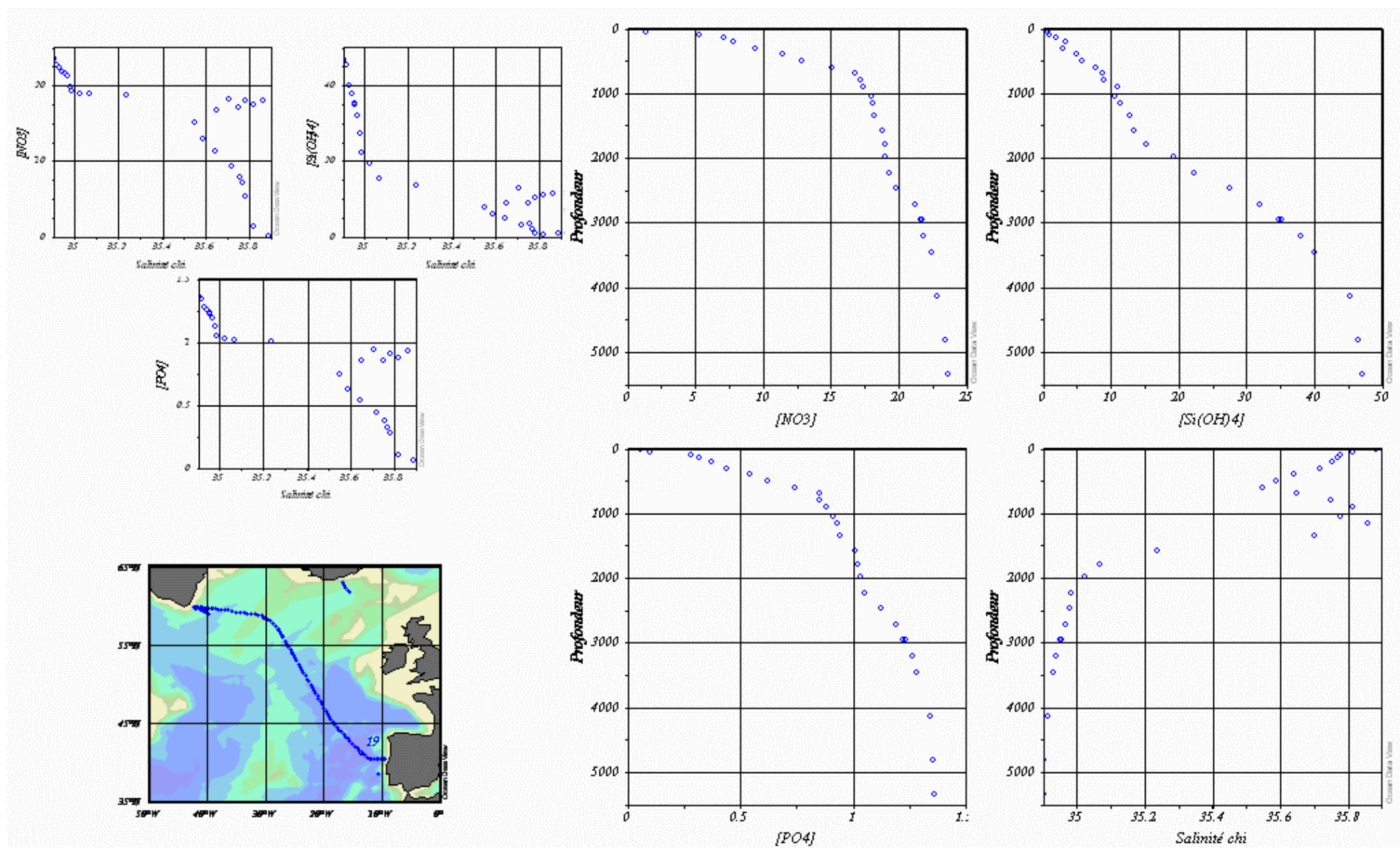
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
18	30	12.9	-12.8	17.097	36.091	35.092	5.727	0.1	1.2	0.02				
18	29	98.3	-97.7	13.141	35.803	35.804	5.779	5.3	1.3	0.26				
18	28	98.7	-98.1	13.117	35.799	35.863	5.771	5.6	1.5	0.27	4.01	2.10	0.21	3.21
18	27	149.3	-148.4	12.810	35.778	35.778	5.665	6.9	2.9	0.34	3.36	1.52	0.27	2.38
18	26	186.4	-185.2	12.666	35.767	35.768	5.664	7.2	2.7	0.35		0.97	0.25	2.01
18	25	298.2	-296.3	12.229	35.717	35.712	5.424	9.4	3.4	0.41	4.13	1.78	-0.03	1.63
18	24	399.4	-396.7	11.644	35.622	35.623	5.165	12.1	4.1	0.57	4.46	1.04	0.10	1.24
18	23	499.0	-495.6	11.141	35.561	35.562	4.822	14.7	5.9	0.70	3.87	2.14	-0.01	1.22
18	22	577.2	-573.1	11.121	35.621	35.622	4.513	16.1	6.6	0.78	4.50	1.89	0.12	0.84
18	21	898.1	-891.1	10.606	35.919	35.920	4.221	17.6	9.3	0.86	3.17	1.02	-0.05	0.51
18	20	898.1	-891.1	10.579	35.910	35.918	4.219	17.6	9.3	0.88	1.94	1.00	0.05	0.46
18	19	979.2	-971.4	10.483	35.956	35.954	4.204	17.7	9.5	0.90		1.35	0.20	0.56
18	18	1096.8	-1087.7	9.876	35.923	35.923	4.288	18.0	10.0	0.91	1.87	1.07	-0.04	0.49
18	17	1348.6	-1336.7	8.102	35.689	35.681	4.782	18.5	11.5	0.97	2.57	1.35		1.27
18	16	1599.1	-1584.2	5.582	35.284	35.282	5.492	19.1	13.0	1.00	1.79	1.30	-0.03	1.61
18	15	1847.6	-1829.3	4.195	35.077	35.078	5.888	19.5	14.7	1.04		1.38	0.08	2.26
18	14	2096.7	-2074.7	3.479	34.989	34.989	6.031	19.5	17.0	1.06	1.77	0.70	-0.01	2.13
18	13	2248.8	-2224.5	3.454	35.018	35.019	5.885	20.2	19.9	1.09	1.51	0.16	0.04	1.08
18	12	2597.1	-2566.9	2.916	34.975	34.974	5.826	21.2	29.2	1.13	0.70	0.56	0.03	0.42
18	11	2998.2	-2960.6	2.571	34.950	34.952	5.757	22.4	35.5	1.23	1.00	0.63	0.05	0.29
18	10	3247.5	-3205.0	2.433	34.938	34.937	5.701	22.4	37.4	1.26				
18	9	3496.7	-3448.9	2.327	34.929	34.928	5.669	22.8	40.4	1.32	0.63	0.17	-0.02	0.15
18	8	3747.5	-3694.2	2.234	34.922	34.921	5.658	23.3	43.3	1.33	0.42	0.32	-0.04	0.09
18	7	3746.4	-3693.1	2.234	34.921	34.920	5.702	23.2	42.6	1.35	0.58	0.36		0.08
18	6	3999.2	-3940.1	2.170	34.914	34.913	5.644	23.5	44.5	1.35	0.82	0.15		0.12
18	5	4497.6	-4426.1	2.079	34.904	34.906	5.662	23.7	46.0	1.37			-0.04	0.11
18	4	5001.6	-4916.5	2.047	34.901	34.901	5.638	23.9	46.8	1.39	0.69	0.36	-0.01	0.07
18	3	5432.9	-5335.4	2.036	34.901	34.900	5.656	23.9	47.0	1.35	0.69	0.38	-0.03	0.03

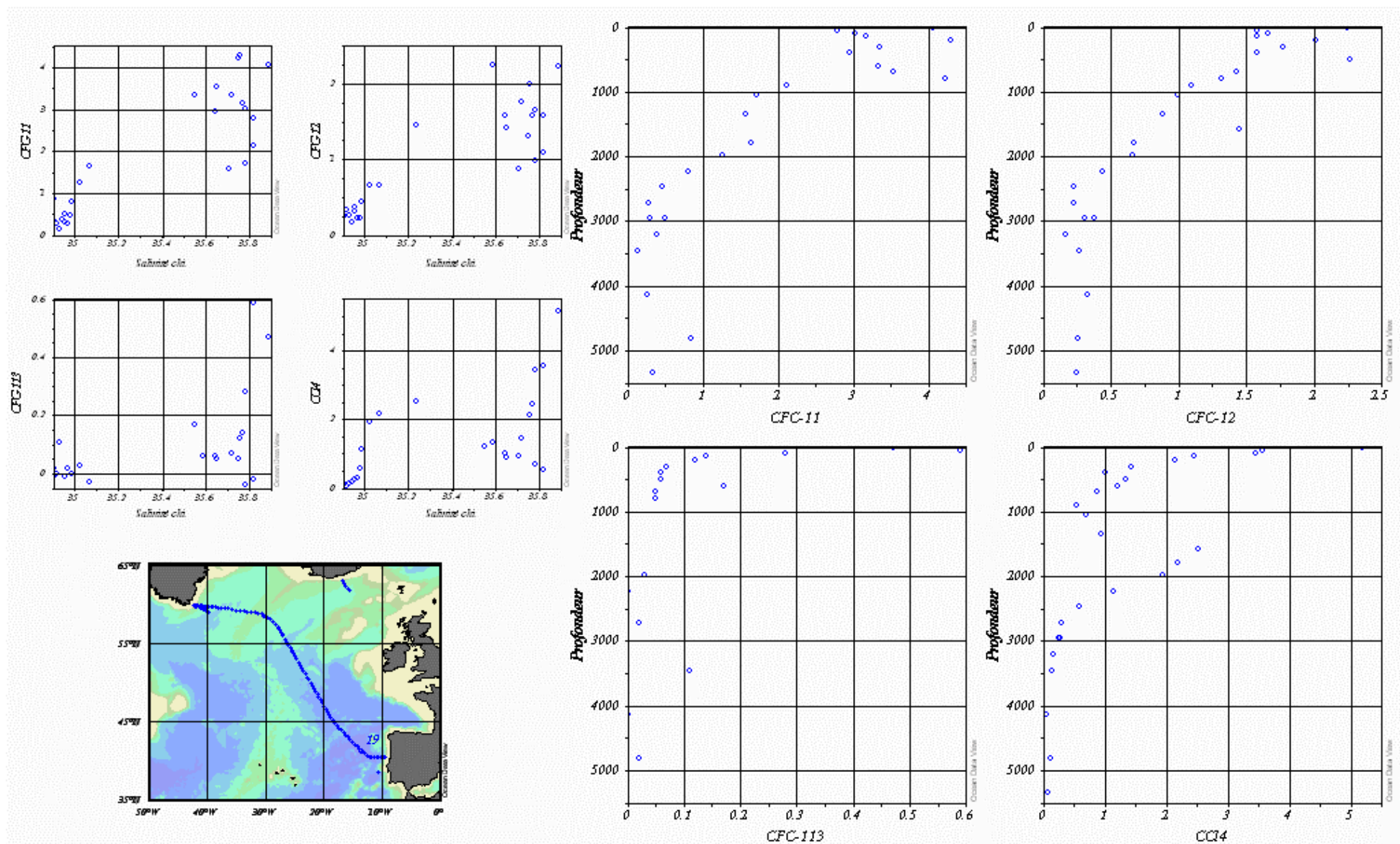




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
19	29/05/2006	07:12:44	41:05:04 N	13:29:46 W	5360m

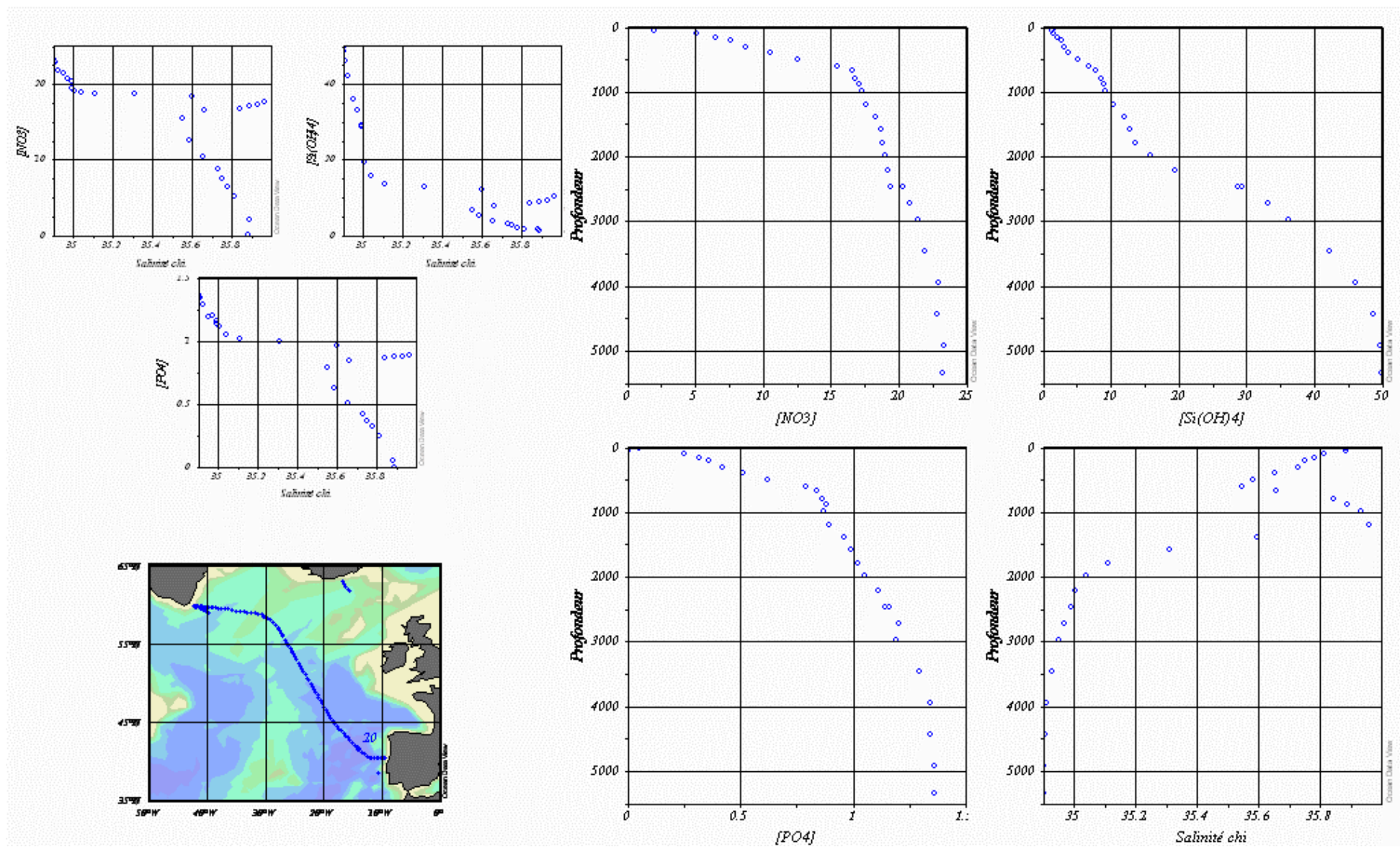
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
19	30	9.2	-9.1	16.571	35.884	35.883	5.785	0.1	0.9	0.06	4.05	2.24	0.47	5.18
19	29	50.3	-50.0	14.432	35.819	35.815	6.133	1.4	0.7	0.10	2.78	1.58	0.59	3.57
19	28	99.5	-98.9	13.035	35.779	35.778	5.822	5.3	1.0	0.28	3.02	1.66	0.28	3.45
19	27	148.7	-147.8	12.719	35.767	35.768	5.703	7.1	2.0	0.32	3.16	1.58	0.14	2.46
19	26	201.3	-200.0	12.519	35.748	35.753	5.631	7.8	3.3	0.37	4.29	2.01	0.12	2.14
19	25	302.1	-300.1	12.214	35.718	35.717	5.433	9.4	3.0	0.44	3.35	1.77	0.07	1.44
19	24	398.0	-395.3	11.719	35.637	35.639	5.226	11.4	4.9	0.54	2.94	1.58	0.06	1.02
19	23	498.0	-494.6	11.307	35.586	35.587	5.094	12.9	5.8	0.62		2.26	0.06	1.35
19	22	601.7	-597.4	10.876	35.547	35.549	4.784	15.1	7.7	0.74	3.33		0.17	1.21
19	21	699.6	-694.5	10.733	35.630	35.646	4.366	16.8	8.8	0.85	3.53	1.43	0.05	0.88
19	20	798.5	-792.4	10.620	35.746	35.749	4.258	17.2	9.0	0.85	4.21	1.32	0.05	
19	19	902.0	-894.9	10.377	35.808	35.814	4.227	17.4	10.9	0.88	2.12	1.09	-0.02	0.54
19	18	1058.9	-1050.2	9.549	35.774	35.776	4.325	18.0	10.5	0.91	1.71	0.99	-0.04	0.69
19	17	1159.4	-1149.7	9.473	35.856	35.857	4.385	18.1	11.4	0.93				
19	16	1350.8	-1338.9	8.096	35.692	35.701	4.724	18.2	12.8	0.94	1.57	0.88		0.94
19	15	1600.1	-1585.2	5.289	35.229	35.235	5.536	18.8	13.5	1.01		1.45		2.52
19	14	1798.0	-1780.4	4.162	35.063	35.068	5.916	19.0	15.3	1.02	1.65	0.67	-0.03	2.19
19	13	1992.1	-1971.7	3.739	35.023	35.024	5.99	19.0	19.3	1.03	1.26	0.66	0.03	1.93
19	12	2248.4	-2224.1	3.255	34.980	34.982	5.97	19.3	22.3	1.05	0.81	0.44	0.00	1.14
19	11	2498.2	-2469.7	3.009	34.979	34.980	5.863	19.8	27.5	1.12	0.46	0.23		0.59
19	10	2750.0	-2717.1	2.746	34.962	34.965	5.794	21.2	31.9	1.19	0.29	0.23	0.02	0.29
19	9	2997.9	-2960.3	2.568	34.872	34.953	5.741	21.7	34.8	1.23	0.30	0.31		0.27
19	8	2999.1	-2961.5	2.568	34.949	34.951	5.744	21.6	35.2	1.22	0.50	0.38	-0.01	0.25
19	7	3250.1	-3207.5	2.437	34.939	34.940	5.698	21.8	38.0	1.26	0.39	0.17		0.16
19	6	3500.1	-3452.3	2.325	34.929	34.930	5.664	22.4	40.0	1.28	0.14	0.27	0.11	0.14
19	5	4199.1	-4135.1	2.131	34.910	34.913	5.633	22.8	45.3	1.34	0.27	0.33	0.00	0.06
19	4	4898.8	-4816.6	2.052	34.903	34.900	5.635	23.4	46.4	1.35	0.85	0.26	0.02	0.13
19	3	5441.8	-5344.0	2.040	34.901	34.900	5.654	23.6	47.0	1.36	0.33	0.25	-0.01	0.08

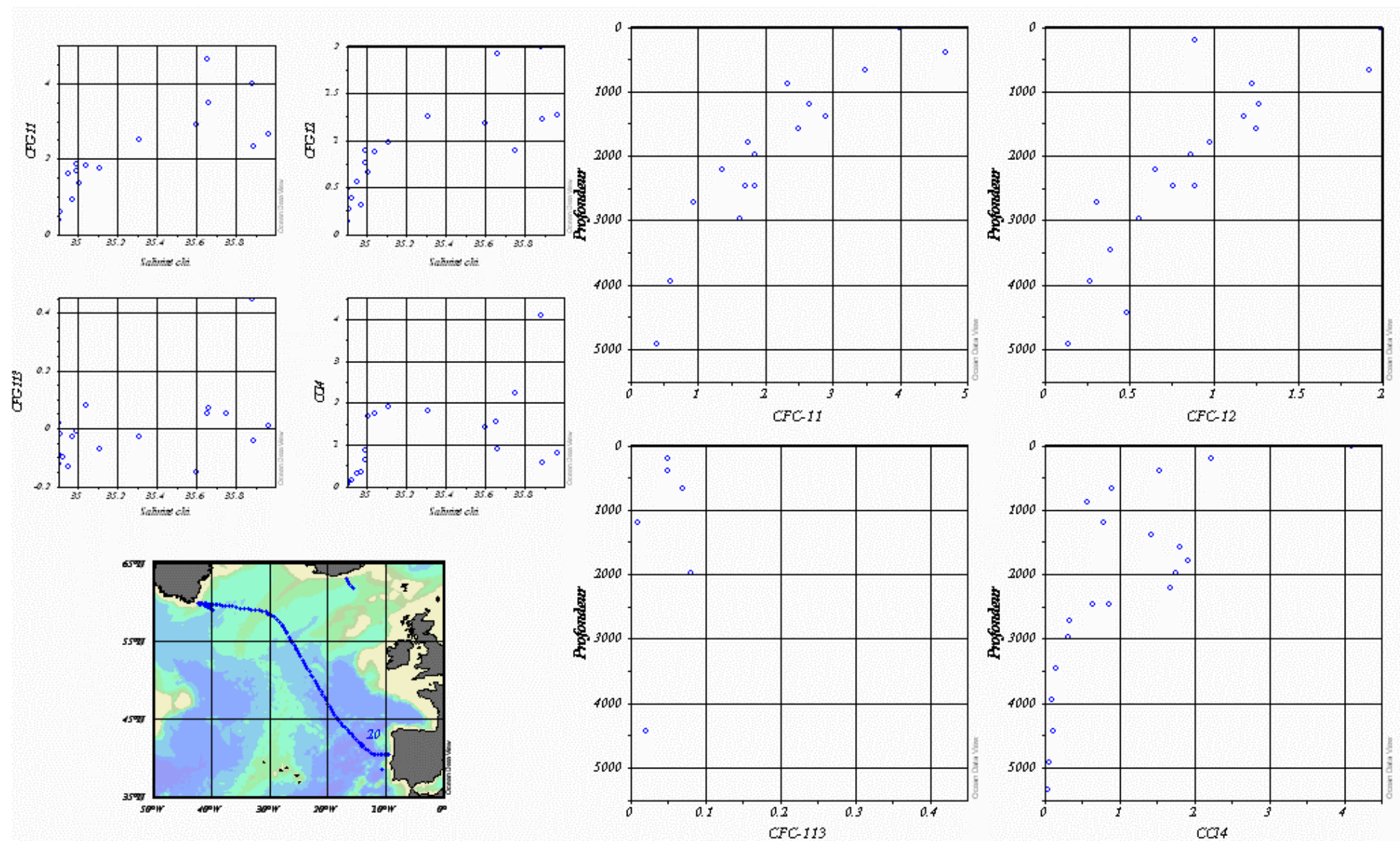




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
20	29/05/2006	22:58:55	41:22:94 N	13:53:30 W	5355m

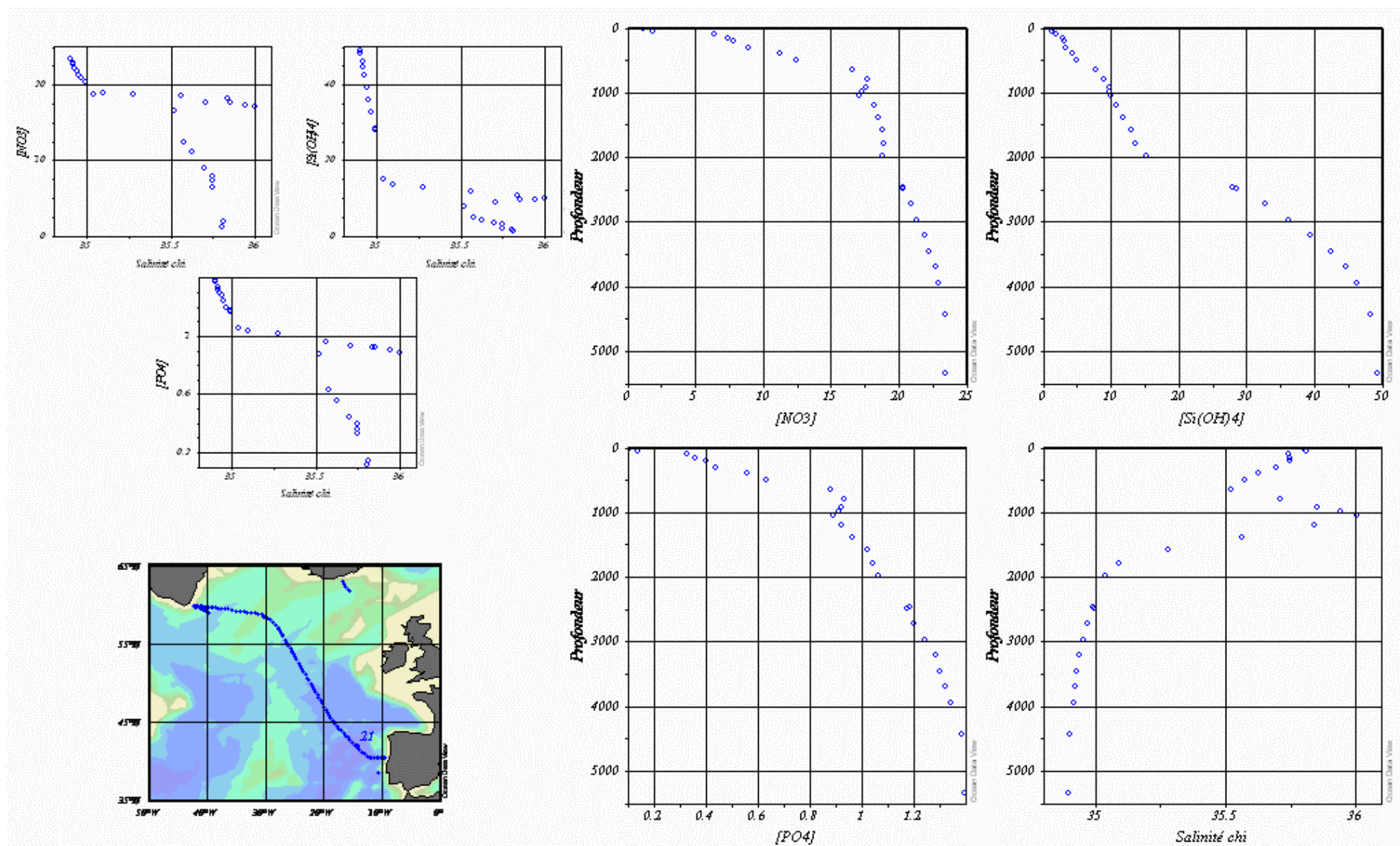
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
20	30	9.9	-9.8	16.004	35.882	35.881	5.856	0.1	1.8	0.05	3.99	1.99	0.45	4.10
20	29	51.8	-51.5	14.531	35.884	35.884	5.921	2.0	1.4	0.00				
20	28	99.8	-99.2	13.251	35.810	35.811	5.787	5.1	1.6	0.25				
20	27	150.0	-149.1	12.844	35.774	35.779	5.735	6.5	2.1	0.32				
20	26	200.3	-199.1	12.527	35.744	35.749	5.714	7.6	2.8	0.36		0.89	0.05	2.22
20	25	299.6	-297.7	12.274	35.726	35.726	5.537	8.7	3.2	0.42				
20	24	399.8	-397.1	11.792	35.650	35.651	5.377	10.5	3.8	0.51	4.66		0.05	1.54
20	23	501.5	-498.0	11.330	35.584	35.582	5.156	12.6	5.1	0.62				
20	22	598.5	-594.2	10.786	35.551	35.547	4.699	15.5	6.8	0.79				
20	21	676.9	-672.0	10.829	35.660	35.657	4.383	16.6	7.7	0.84	3.48	1.92	0.07	0.90
20	20	799.5	-793.4	10.833	35.842	35.841	4.25	16.8	8.5	0.86				
20	19	875.6	-868.8	10.604	35.884	35.888	4.225	17.1	9.0	0.88	2.33	1.23	-0.04	0.58
20	18	999.8	-991.7	10.283	35.933	35.931	4.241	17.3	9.1	0.87				
20	17	1200.2	-1190.0	9.709	35.963	35.960	4.393	17.6	10.3	0.89	2.65	1.27	0.01	0.79
20	16	1398.7	-1386.2	7.540	35.599	35.596	4.914	18.3	12.0	0.96	2.90	1.18	-0.15	1.43
20	15	1600.0	-1585.0	5.713	35.311	35.309	5.417	18.7	12.9	0.99	2.50	1.25	-0.03	1.81
20	14	1800.0	-1782.4	4.431	35.113	35.111	5.795	18.8	13.7	1.02	1.75	0.98	-0.07	1.92
20	13	1999.8	-1979.3	3.808	35.036	35.040	5.96	19.0	15.8	1.05	1.84	0.87	0.08	1.75
20	12	2242.5	-2218.3	3.393	35.006	35.005	5.916	19.2	19.5	1.11	1.36	0.66		1.68
20	11	2500.6	-2472.1	3.092	34.989	34.990	5.847	19.4	28.8	1.14	1.70	0.89		0.86
20	10	2499.8	-2471.3	3.091	34.990	34.990	5.84	20.3	29.3	1.16	1.85	0.76	-0.01	0.65
20	9	2749.3	-2716.4	2.833	34.971	34.970	5.784	20.8	33.1	1.20	0.93	0.31	-0.03	0.34
20	8	3000.5	-2962.9	2.619	34.954	34.951	5.76	21.4	36.1	1.19	1.63	0.56	-0.13	0.32
20	7	3502.3	-3454.4	2.344	34.932	34.927	5.695	21.9	42.3	1.29		0.39	-0.10	0.16
20	6	3996.9	-3937.8	2.183	34.917	34.912	5.643	22.9	46.1	1.34	0.60	0.27	-0.02	0.10
20	5	4498.5	-4427.0	2.085	34.907	34.906	5.64	22.8	48.6	1.34		0.49	0.02	0.11
20	4	5000.2	-4915.2	2.050	34.902	34.900	5.662	23.3	49.7	1.36	0.39	0.14	-0.09	0.07
20	3	5440.0	-5342.3	2.040	34.903	34.900	5.638	23.2	49.9	1.36			-0.12	0.05

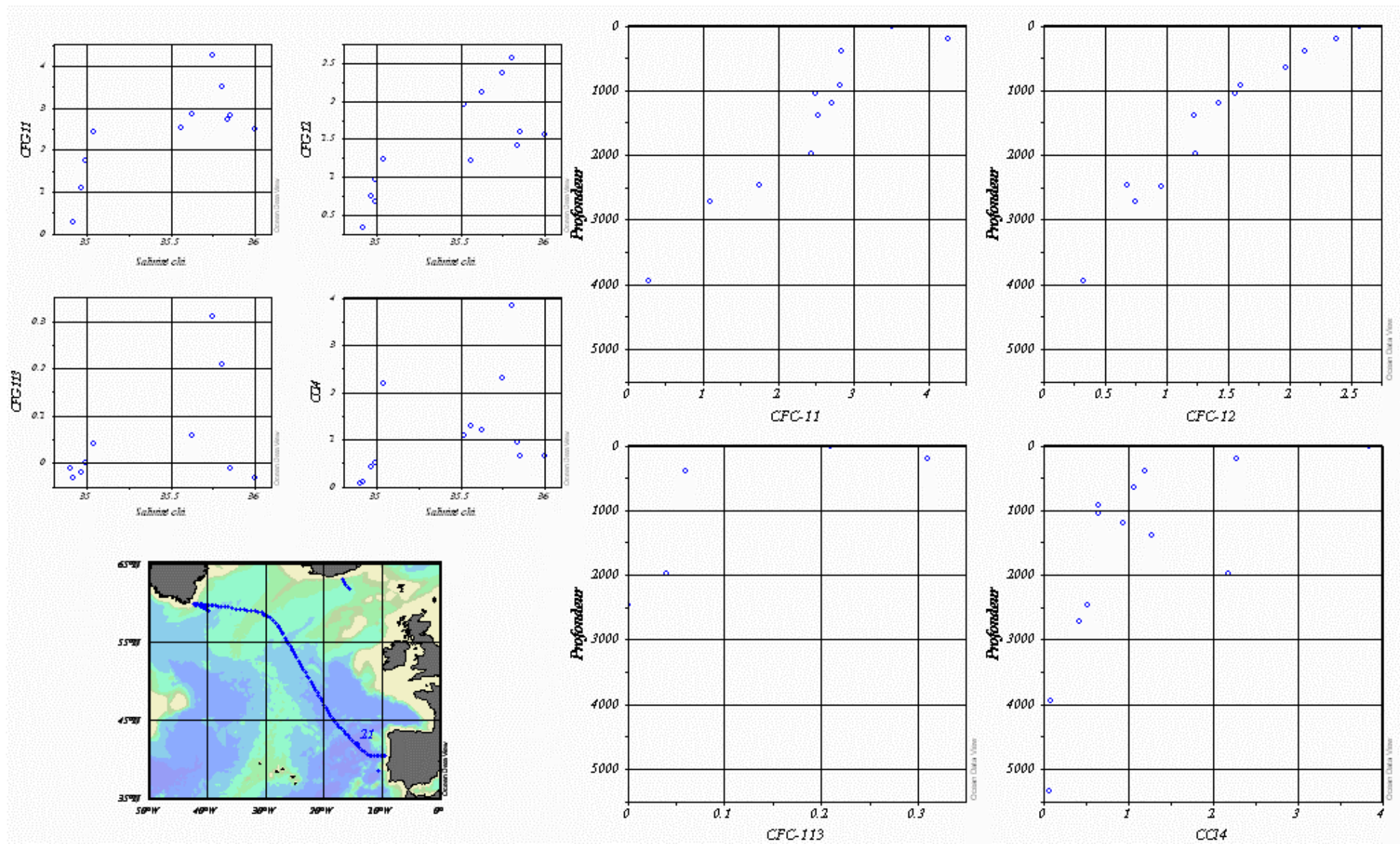




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
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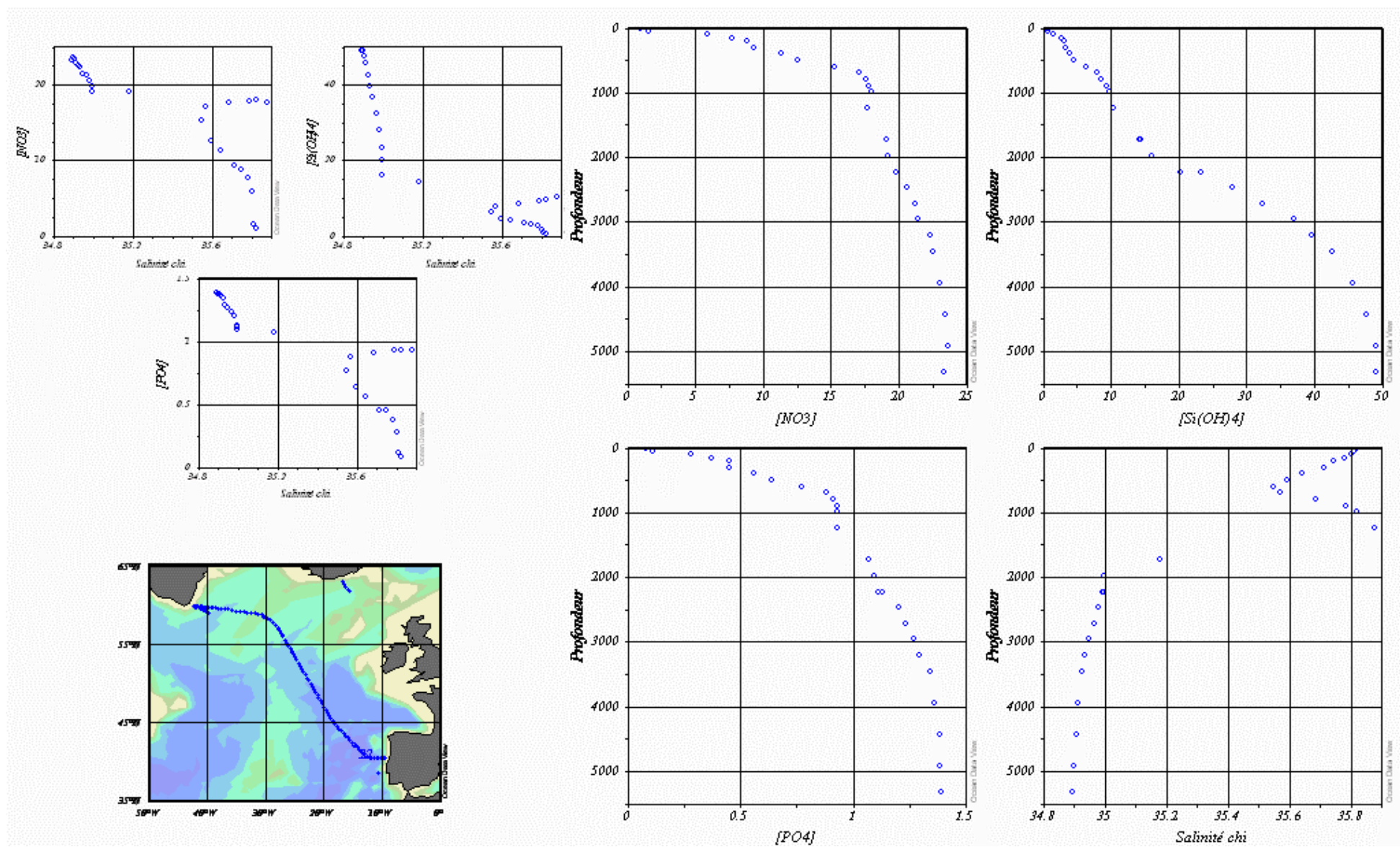
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
21	30	16.3	-16.2	15.437	35.802	35.800	5.857	1.2	1.5	0.11	3.51	2.57	0.21	3.85
21	29	52.4	-52.1	14.315	35.808	35.808	6.016	1.9	1.4	0.14				
21	28	102.0	-101.4	12.777	35.742	35.743	5.823	6.4	2.0	0.33				
21	27	152.1	-151.2	12.551	35.744	35.744	5.764	7.4	3.0	0.36				
21	26	201.8	-200.5	12.474	35.745	35.747	5.636	7.8	3.2	0.40	4.25	2.38	0.31	2.29
21	25	300.8	-298.9	12.121	35.698	35.696	5.514	8.9	3.4	0.44				
21	24	401.0	-398.3	11.647	35.627	35.627	5.311	11.2	4.3	0.56	2.84	2.12	0.06	1.20
21	23	502.3	-498.8	11.242	35.571	35.573	5.222	12.4	4.9	0.63				
21	22	654.9	-650.2	10.410	35.521	35.522	4.554	16.6	7.7	0.88		1.97		1.08
21	21	800.4	-794.3	10.362	35.710	35.709	4.262	17.7	9.0	0.93				
21	20	927.7	-920.4	10.241	35.849	35.851	4.237	17.6	9.7	0.92	2.82	1.60	-0.01	0.65
21	19	1000.9	-992.8	10.254	35.944	35.941	4.242	17.3	9.7	0.91				
21	18	1061.5	-1052.8	10.253	36.002	36.002	4.256	17.1	10.0	0.89	2.50	1.56	-0.03	0.65
21	17	1200.7	-1190.5	9.202	35.852	35.838	4.492	18.2	10.8	0.92	2.71	1.42		0.95
21	16	1400.5	-1388.0	7.301	35.561	35.561	4.959	18.5	11.7	0.96	2.53	1.22		1.29
21	15	1598.1	-1583.2	5.550	35.278	35.279	5.454	18.8	13.0	1.02				
21	14	1800.6	-1783.0	4.336	35.092	35.093	5.831	18.9	13.6	1.04				
21	13	2000.5	-1980.0	3.828	35.034	35.039	5.937	18.8	15.2	1.06	2.44	1.24	0.04	2.19
21	12	2502.6	-2474.1	3.105	34.993	34.990	5.803	20.3	28.0	1.18	1.75	0.68	0.00	0.52
21	11	2503.6	-2475.0	3.105	34.993	34.994	5.797	20.3	28.5	1.17		0.96		
21	10	2750.2	-2717.3	2.813	34.970	34.969	5.757	20.9	32.8	1.20	1.09	0.75	-0.02	0.43
21	9	3000.4	-2962.8	2.613	34.955	34.953	5.732	21.3	36.1	1.24				
21	8	3248.1	-3205.5	2.457	34.941	34.940	5.691	21.9	39.4	1.28				
21	7	3502.6	-3454.7	2.333	34.931	34.929	5.656	22.2	42.4	1.30				
21	6	3746.8	-3693.5	2.250	34.924	34.921	5.633	22.7	44.6	1.32				
21	5	3998.5	-3939.4	2.171	34.914	34.916	5.623	22.9	46.2	1.34	0.29	0.33	-0.03	0.09
21	4	4501.8	-4430.2	2.085	34.906	34.902	5.617	23.4	48.2	1.38				
21	3	5433.6	-5336.1	2.040	34.901	34.898	5.614	23.4	49.2	1.39			-0.01	0.07

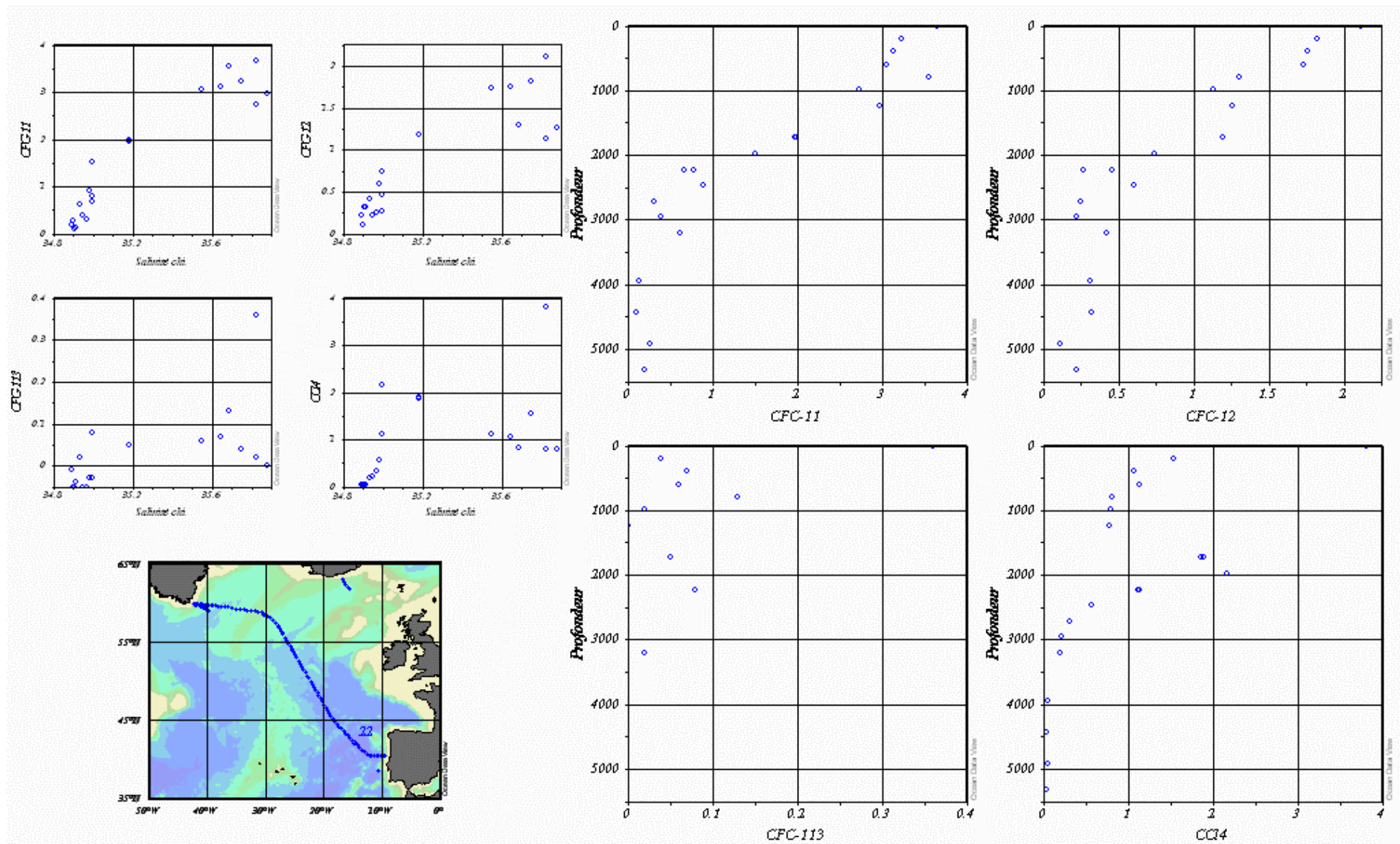




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
22	30/05/2006	12:16:20	41:58:90 N	14:40:32 W	5340m

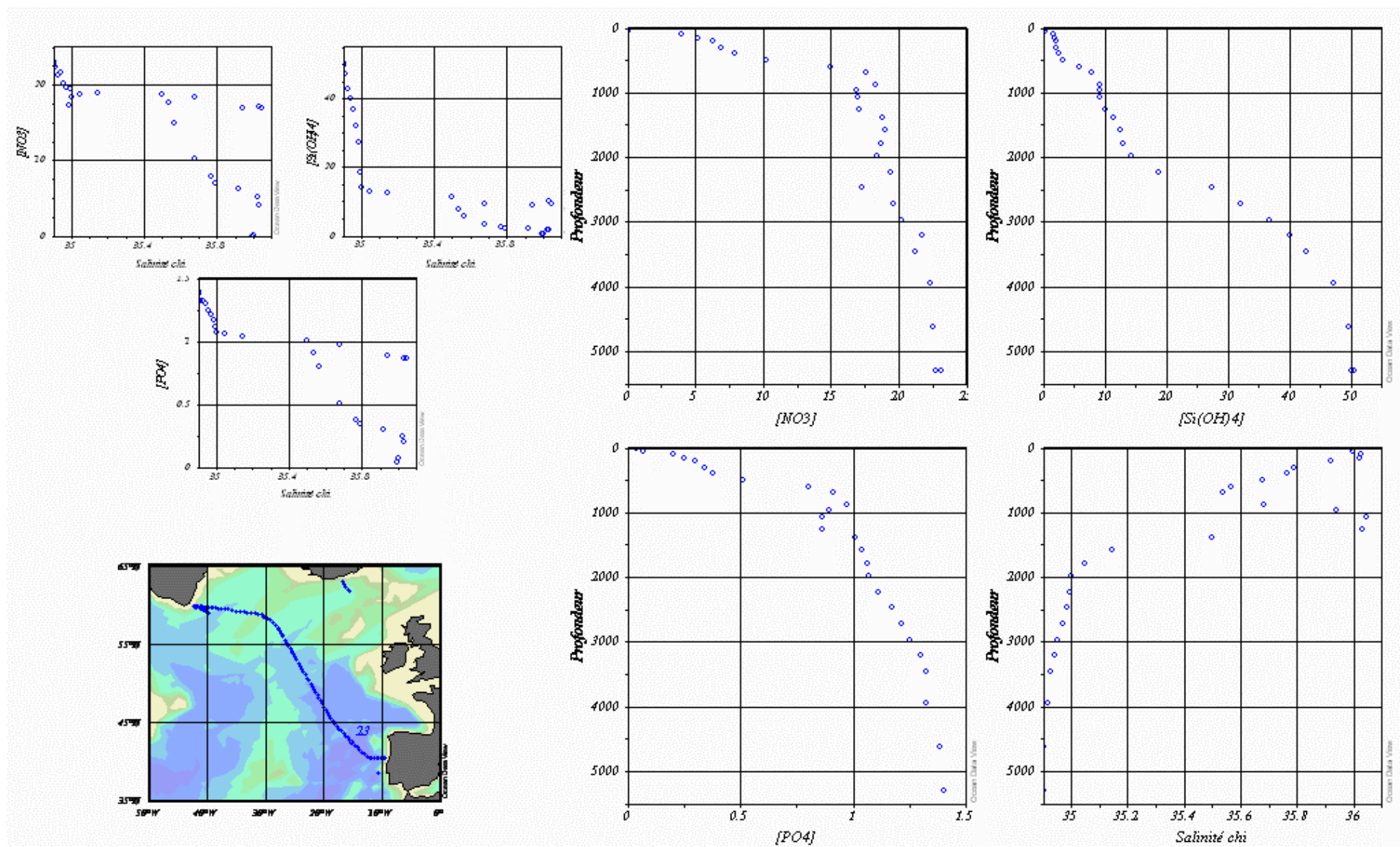
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
22	30	10.7	-10.6	15.400	35.822	35.820	5.859	1.0	0.7	0.08	3.66	2.11	0.36	3.81
22	29	48.5	-48.2	14.440	35.803	35.808	5.953	1.6	0.8	0.11				
22	28	102.1	-101.5	13.118	35.804	35.799	5.722	5.9	1.6	0.28				
22	27	149.3	-148.4	12.733	35.779	35.779	5.554	7.7	2.7	0.37				
22	26	199.5	-198.3	12.509	35.746	35.743	5.452	8.8	3.2	0.45	3.24	1.82	0.04	1.54
22	25	298.6	-296.7	12.231	35.716	35.712	5.491	9.3	3.3	0.45				
22	24	399.3	-396.6	11.758	35.644	35.641	5.267	11.3	4.0	0.56	3.13	1.76	0.07	1.07
22	23	499.6	-496.2	11.394	35.596	35.593	5.134	12.6	4.6	0.64				
22	22	599.8	-595.5	10.890	35.550	35.548	4.794	15.3	6.3	0.77	3.05	1.73	0.06	1.13
22	21	698.7	-693.6	10.497	35.570	35.569	4.48	17.1	7.9	0.88				
22	20	800.7	-794.6	10.473	35.688	35.686	4.336	17.6	8.5	0.91	3.56	1.30	0.13	0.82
22	19	899.7	-892.7	10.249	35.784	35.784	4.276	17.8	9.3	0.93				
22	18	999.3	-991.3	9.973	35.823	35.819	4.305	18.0	9.7	0.93	2.74	1.13	0.02	0.80
22	17	1247.9	-1237.2	9.268	35.870	35.874	4.493	17.7	10.4	0.93	2.97	1.26	0.00	0.79
22	16	1746.5	-1729.6	4.767	35.182	35.181	5.65	19.1	14.3	1.07	1.99	1.19		1.89
22	15	1749.1	-1732.2	4.743	35.179	35.180	5.701	19.1	14.4	1.07	1.97		0.05	1.86
22	14	1996.9	-1976.4	3.577	34.998	34.998	6.068	19.2	16.1	1.09	1.51	0.74		2.17
22	13	2250.7	-2226.3	3.312	34.996	34.996	5.922	19.8	20.2	1.13	0.67	0.46	-0.03	1.13
22	12	2249.4	-2225.1	3.313	34.996	34.995	5.917	19.8	23.2	1.11	0.79	0.27	0.08	1.12
22	11	2498.8	-2470.3	3.040	34.982	34.980	5.846	20.6	28.0	1.20	0.90	0.60	-0.03	0.57
22	10	2747.3	-2714.4	2.777	34.966	34.966	5.802	21.2	32.3	1.23	0.31	0.25	-0.05	0.32
22	9	2998.5	-2960.9	2.577	34.952	34.948	5.755	21.4	36.9	1.27	0.40	0.22	-0.05	0.21
22	8	3248.2	-3205.6	2.438	34.941	34.936	5.706	22.3	39.6	1.29	0.62	0.42	0.02	0.20
22	7	3504.6	-3456.7	2.318	34.930	34.926	5.683	22.5	42.6	1.34				
22	6	3998.7	-3939.6	2.183	34.917	34.913	5.662	23.0	45.7	1.36	0.13	0.31	-0.04	0.05
22	5	4498.4	-4426.9	2.086	34.907	34.907	5.642	23.4	47.7	1.38	0.11	0.32	-0.05	0.04
22	4	4998.8	-4913.8	2.048	34.903	34.900	5.624	23.6	49.1	1.38	0.27	0.11	-0.05	0.05
22	3	5426.8	-5329.5	2.041	34.903	34.896	5.656	23.3	49.1	1.39	0.20	0.22	-0.01	0.04

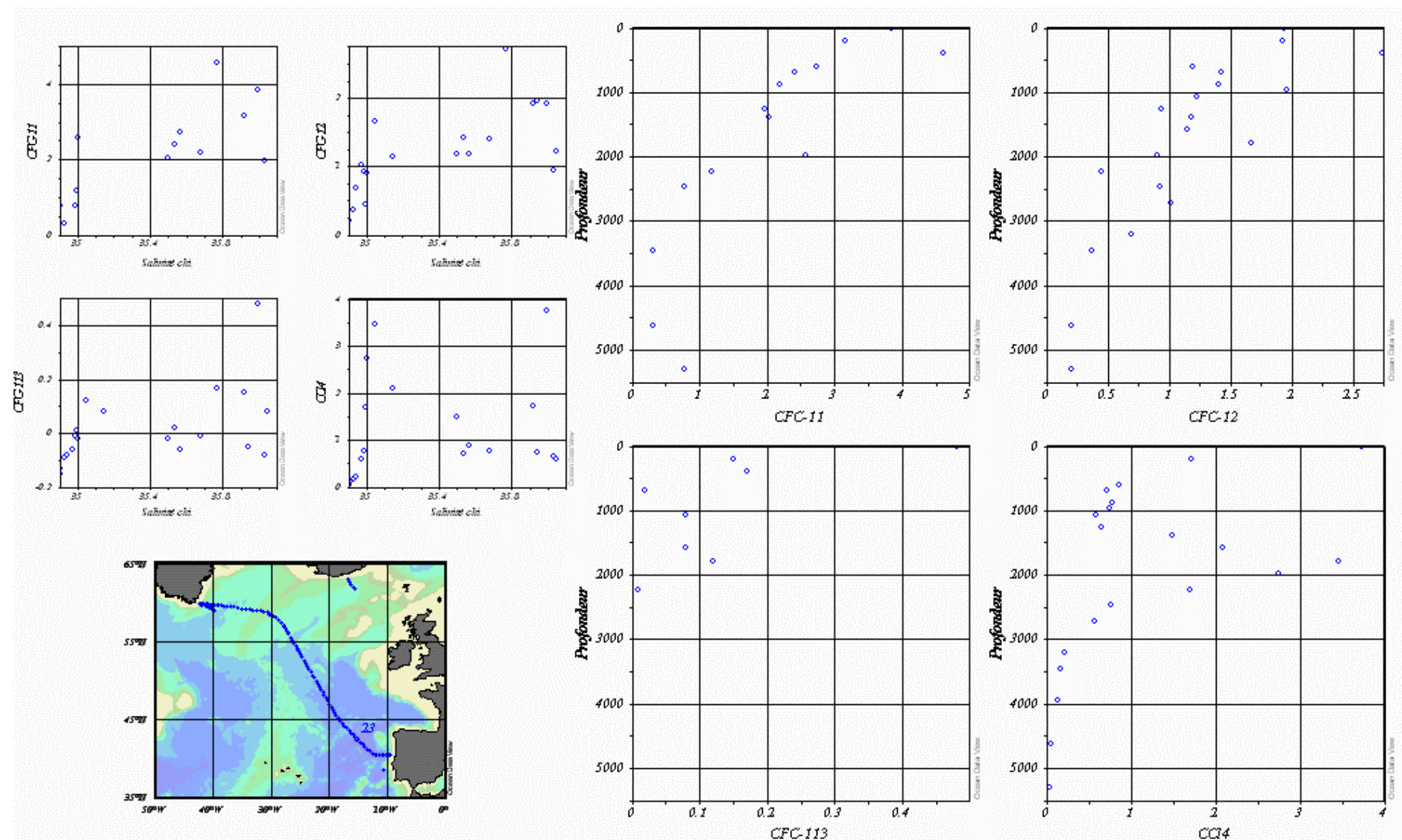




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
3	30/05/2006	18:30:13	42:16:81 N	15:03:95 W	5317m

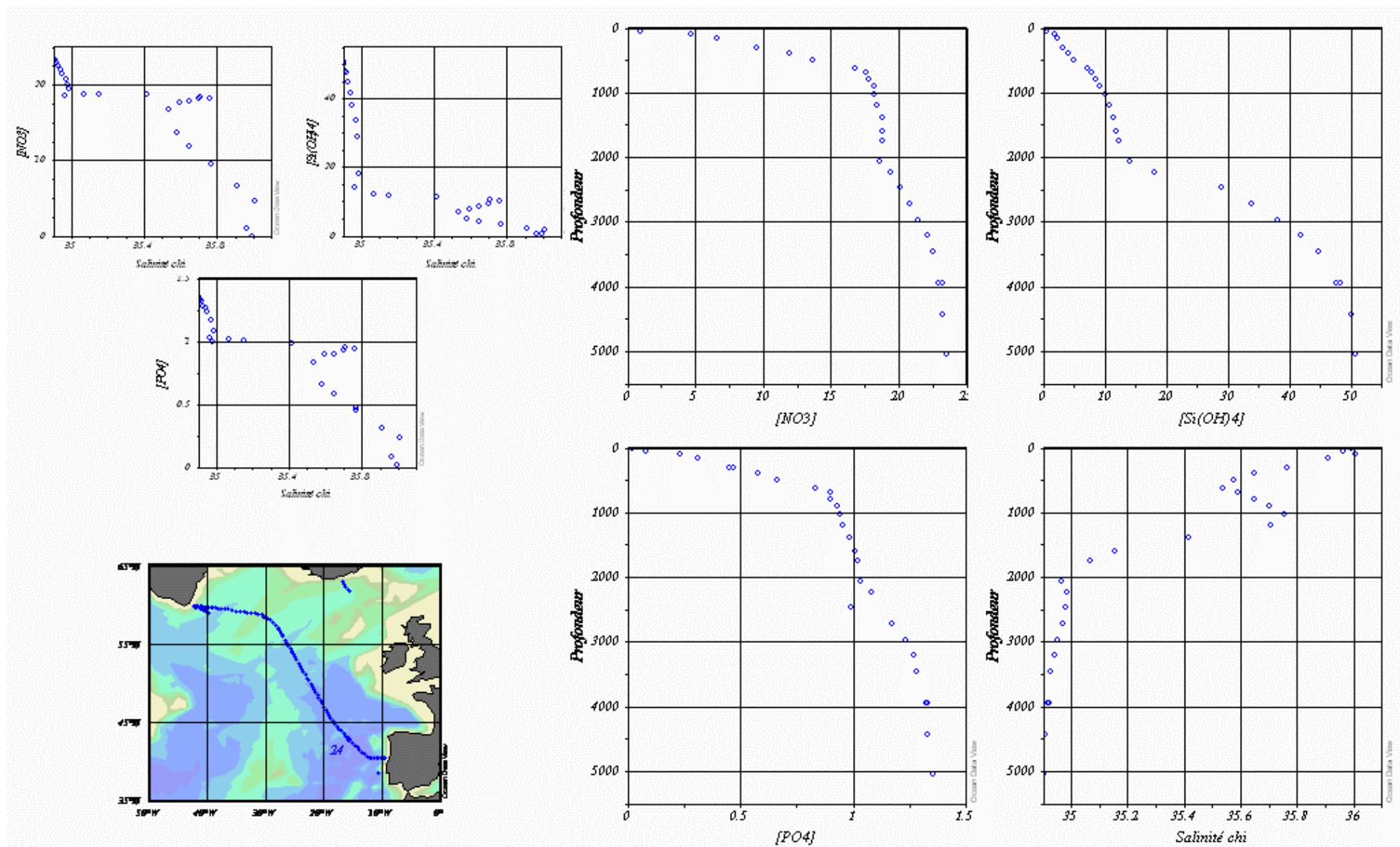
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
23	30	18.4	-18.3	15.884	35.987	35.989	5.827	0.0	0.6	0.04	3.85	1.93	0.48	3.74
23	29	49.9	-49.6	15.787	35.995	35.998	5.83	0.1	0.4	0.07				
23	28	101.2	-100.6	14.505	36.027	36.026	5.603	4.0	1.7	0.20				
23	27	150.0	-149.1	14.263	36.024	36.019	5.46	5.2	1.9	0.25				
23	26	200.1	-198.8	13.709	35.920	35.918	5.439	6.3	2.1	0.30	3.16	1.92	0.15	1.72
23	25	300.7	-298.8	12.911	35.796	35.789	5.632	6.9	2.1	0.34				
23	24	400.9	-398.2	12.477	35.762	35.763	5.598	7.9	2.5	0.38	4.60	2.73	0.17	
23	23	500.6	-497.1	11.941	35.677	35.677	5.363	10.2	3.3	0.51				
23	22	602.1	-597.8	11.172	35.563	35.564	4.707	15.0	5.8	0.80	2.74	1.19	-0.06	0.87
23	21	702.3	-697.1	10.486	35.539	35.537	4.351	17.6	7.8	0.91	2.40	1.43	0.02	0.72
23	20	881.1	-874.3	10.040	35.680	35.680	4.247	18.3	9.2	0.97	2.19	1.40	-0.01	0.78
23	19	969.2	-961.5	10.546	35.933	35.936	4.211	16.9	9.1	0.89		1.96	-0.05	0.75
23	18	1078.7	-1069.8	10.500	36.045	36.045	4.223	17.0	9.3	0.86		1.22	0.08	0.59
23	17	1261.5	-1250.6	9.800	36.031	36.030	4.401	17.1	10.2	0.86	1.97	0.94	-0.08	0.66
23	16	1399.7	-1387.2	7.144	35.494	35.496	4.993	18.8	11.4	1.01	2.03	1.18	-0.02	1.49
23	15	1599.3	-1584.4	4.884	35.139	35.144	5.653	19.0	12.5	1.04		1.15	0.08	2.09
23	14	1800.0	-1782.4	4.117	35.044	35.047	5.947	18.7	12.9	1.06		1.67	0.12	3.46
23	13	1998.8	-1978.3	3.656	34.994	34.999	6.051	18.4	14.2	1.07	2.58	0.90	-0.02	2.75
23	12	2245.9	-2221.6	3.368	34.994	34.994	5.933	19.4	18.7	1.11	1.18	0.45	0.01	1.70
23	11	2501.3	-2472.8	3.089	34.984	34.986	5.843	17.3	27.4	1.17	0.78	0.93	-0.01	0.76
23	10	2747.5	-2714.6	2.825	34.968	34.968	5.791	19.6	32.1	1.21		1.02	-0.06	0.58
23	9	2999.6	-2962.0	2.614	34.953	34.953	5.734	20.2	36.7	1.25				
23	8	3249.5	-3206.9	2.459	34.941	34.941	5.679	21.7	40.1	1.30		0.69	-0.08	0.21
23	7	3501.9	-3454.0	2.334	34.931	34.929	5.662	21.2	42.7	1.32	0.32	0.37	-0.09	0.17
23	6	3997.0	-3937.9	2.182	34.916	34.915	5.623	22.3	47.2	1.32				0.14
23	5	4702.8	-4625.9	2.069	34.905	34.903	5.613	22.5	49.6	1.38	0.32	0.20	-0.13	0.06
23	4	5398.1	-5301.6	2.044	34.902	34.900	5.614	23.1	50.5	1.40				
23	3	5403.9	-5307.3	2.045	34.902	34.901	5.628	22.7	50.0	1.40	0.78	0.21	-0.15	0.04

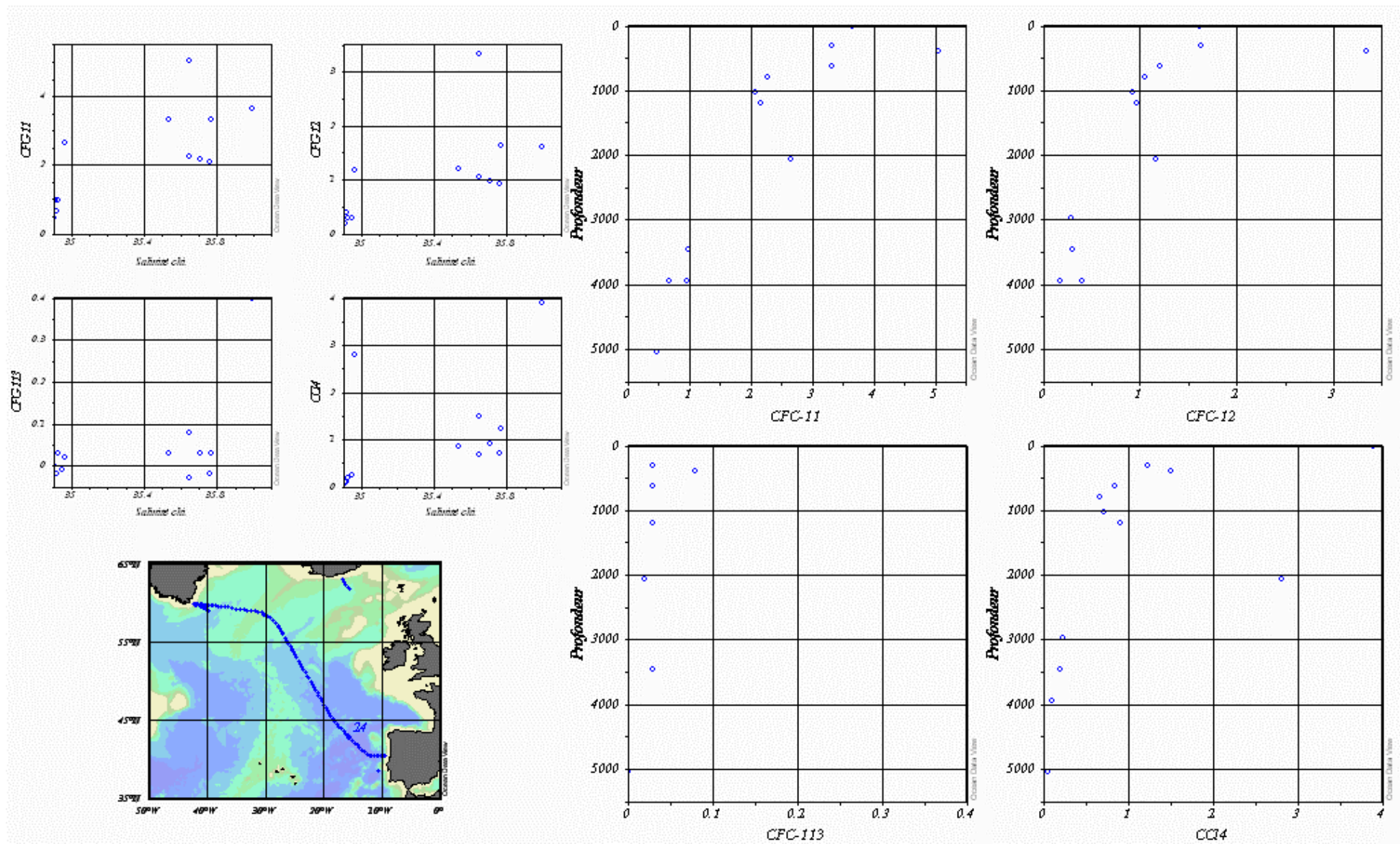




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
24	31/05/2006	01:02:04	42:34:86 N	15:27:48 W	5058m

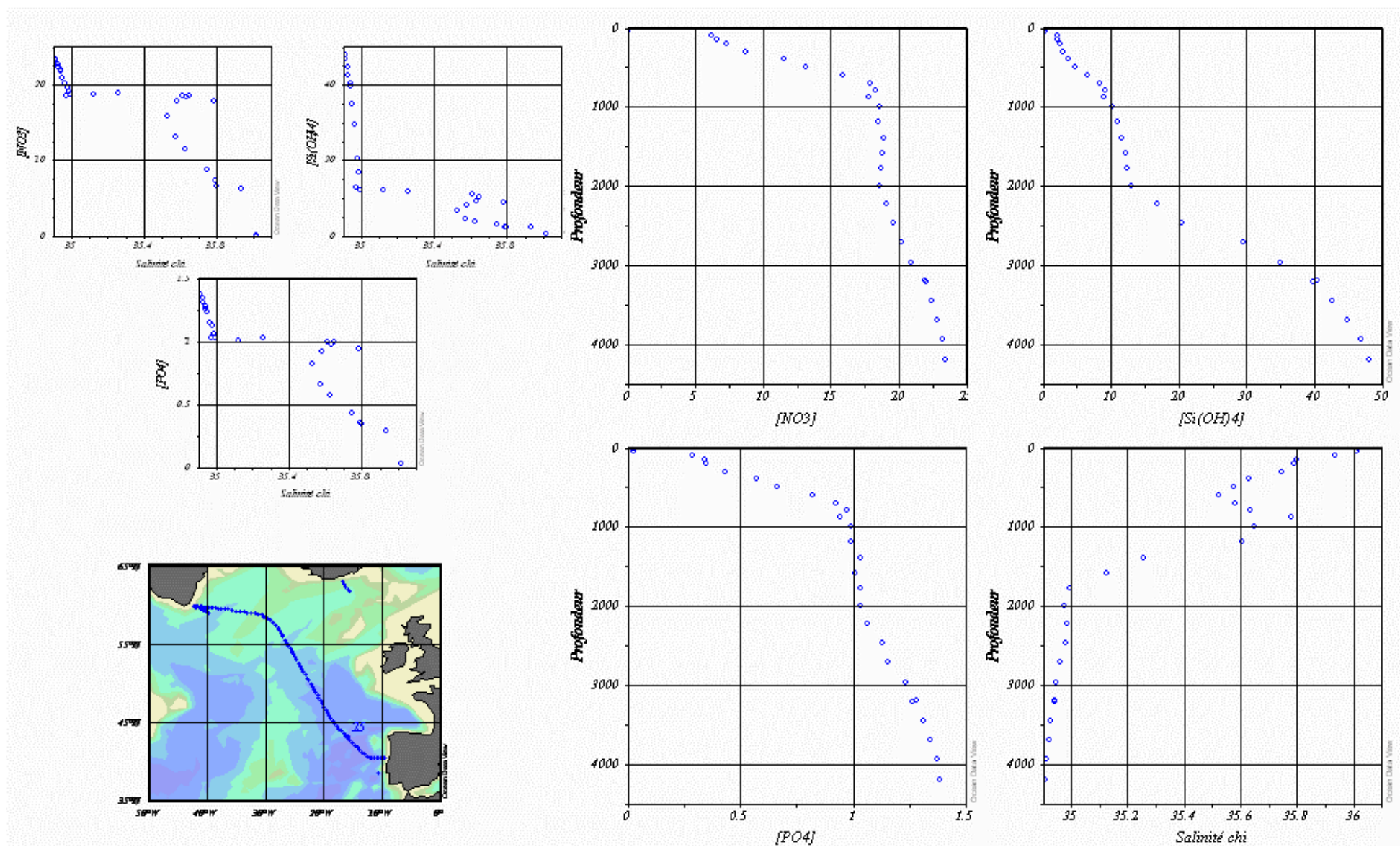
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
24	30	8.6	-8.5	15.911	35.989	35.991	5.868	0.0	0.4	0.02	3.64	1.61	0.40	3.89
24	29	43.6	-43.3	13.380	37.603	35.963	5.914	1.0	0.6	0.08				
24	28	99.6	-99.0	14.395	36.009	36.005	5.561	4.7	1.8	0.23				
24	27	150.0	-149.1	13.708	35.908	35.907	5.468	6.6	2.3	0.31				
24	26	298.8	-296.9	12.831	35.763	35.763	5.23	9.5	3.3	0.47	3.31	1.63	0.03	1.24
24	25	299.4	-297.5	12.783	35.756	35.763	5.223	9.5	3.3	0.45				
24	24	396.0	-393.4	11.989	35.646	35.647	5.12	11.9	4.1	0.58	5.05	3.34	0.08	1.50
24	23	501.9	-498.4	11.428	35.576	35.576	4.952	13.7	5.1	0.66				
24	22	631.5	-627.0	10.792	35.538	35.537	4.483	16.8	7.1	0.83	3.31	1.20	0.03	0.85
24	21	700.1	-695.0	10.725	35.589	35.591	4.313	17.6	7.8	0.90				
24	20	805.1	-799.0	10.310	35.629	35.648	4.305	17.8	8.6	0.90	2.27	1.05	-0.03	0.67
24	19	903.3	-896.2	9.966	35.695	35.699	4.275	18.2	9.3	0.93				
24	18	1041.1	-1032.6	9.393	35.752	35.756	4.366	18.2	10.0	0.94	2.08	0.92	-0.02	0.72
24	17	1201.0	-1190.8	8.578	35.708	35.706	4.601	18.4	10.7	0.95	2.17	0.97	0.03	0.91
24	16	1402.3	-1389.8	6.611	35.405	35.414	5.136	18.8	11.4	0.98				
24	15	1601.8	-1586.8	4.973	35.156	35.155	5.694	18.8	11.9	1.01				
24	14	1754.4	-1737.4	4.329	35.065	35.069	5.932	18.8	12.2	1.02				
24	13	2080.8	-2059.1	3.385	34.955	34.963	6.201	18.6	14.1	1.03	2.65	1.17	0.02	2.81
24	12	2250.8	-2226.4	3.336	34.983	34.983	6.009	19.4	18.1	1.08				
24	11	2501.2	-2472.7	3.056	34.976	34.979	5.89	20.1	29.0	0.99				
24	10	2749.5	-2716.6	2.830	34.967	34.969	5.811	20.8	33.8	1.17				
24	9	3002.3	-2964.6	2.606	34.952	34.951	5.759	21.4	38.0	1.23		0.29	-0.01	0.24
24	8	3250.2	-3207.6	2.429	34.939	34.939	5.699	22.1	41.7	1.27				
24	7	3502.6	-3454.7	2.313	34.928	34.928	5.671	22.5	44.7	1.28	0.98	0.30	0.03	0.20
24	6	4000.6	-3941.4	2.166	34.915	34.915	5.643	23.2	48.2	1.33	0.96	0.18		0.10
24	5	3999.6	-3940.5	2.166	34.914	34.922	5.632	22.9	47.5	1.32	0.67	0.40	-0.02	0.10
24	4	4500.5	-4428.9	2.087	34.907	34.906	5.661	23.2	49.9	1.33				
24	3	5139.3	-5050.4	2.045	34.902	34.900	5.639	23.5	50.7	1.35	0.47		0.00	0.05

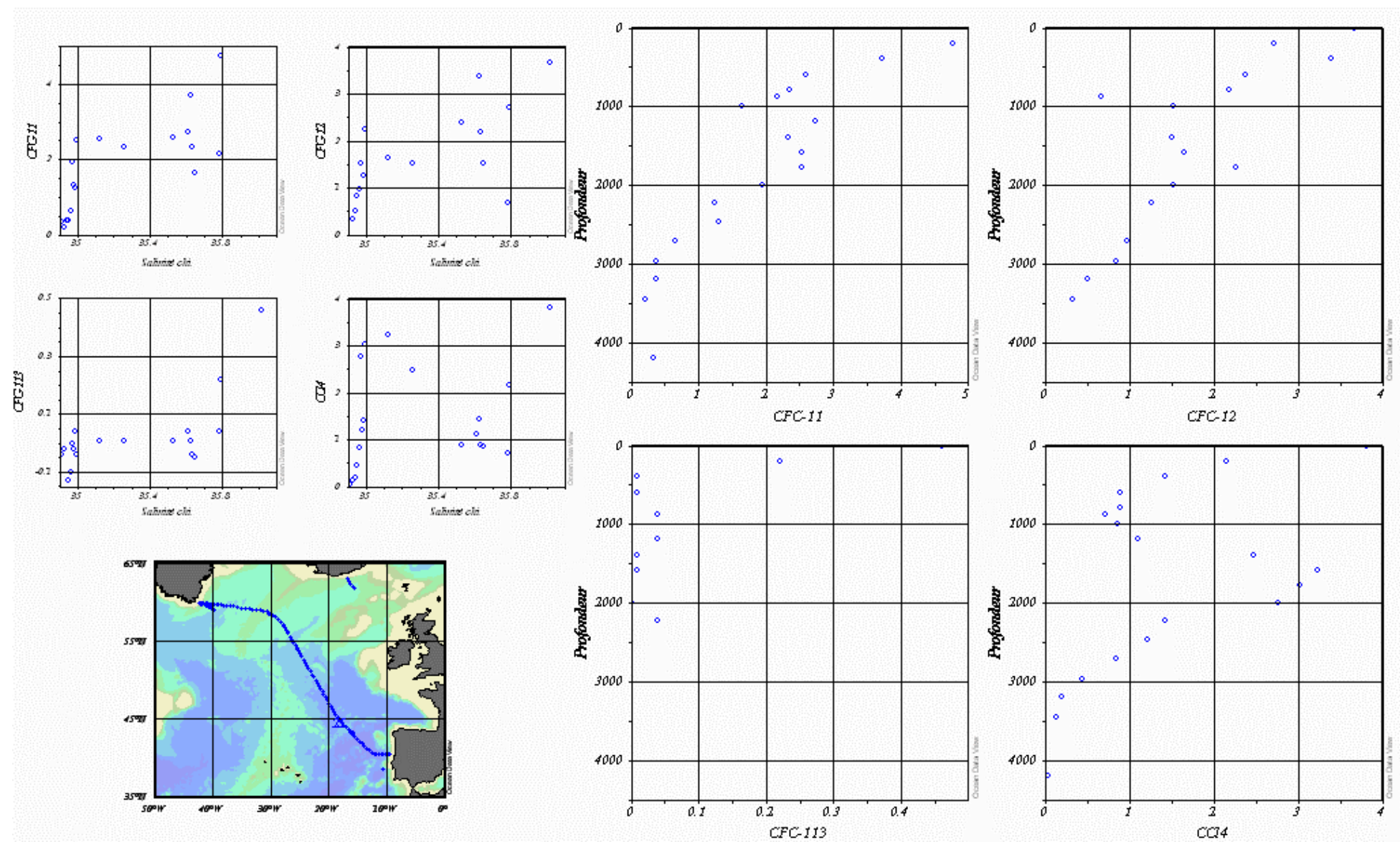




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
25	31/05/2006	10:59:28	42:52:86 N	15:51:02 W	4201m

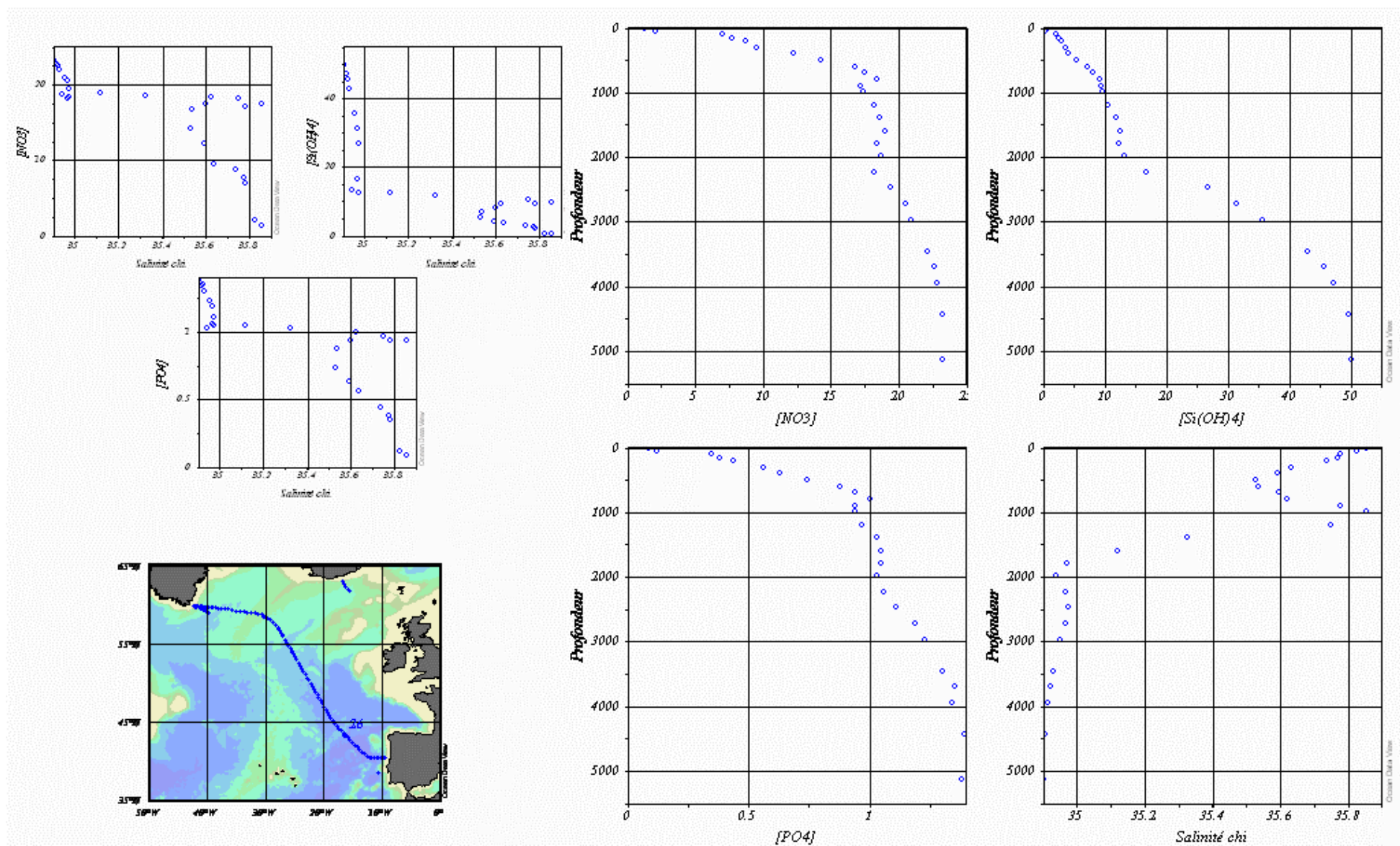
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
25	30	15.6	-15.5	15.984	36.016	36.016	5.837	0.1	0.4	0.03		3.67	0.46	3.81
25	29	52.0	-51.7	15.958	36.015	36.012	5.841	0.0	0.4	0.03				
25	28	100.2	-99.6	13.814	35.938	35.935	5.471	6.2	2.2	0.29				
25	27	152.6	-151.7	13.023	35.796	35.796	5.677	6.6	2.2	0.34				
25	26	199.6	-198.4	12.887	35.786	35.789	5.631	7.3	2.5	0.35	4.76	2.71	0.22	2.16
25	25	299.7	-297.8	12.494	35.743	35.742	5.464	8.7	2.9	0.43				
25	24	400.4	-397.7	11.737	35.627	35.626	5.249	11.5	3.8	0.57	3.71	3.39	0.01	1.43
25	23	497.5	-494.1	11.316	35.574	35.573	5.085	13.2	4.7	0.66				
25	22	595.5	-591.3	10.775	35.522	35.523	4.67	15.9	6.6	0.82	2.60	2.38	0.01	0.89
25	21	699.5	-694.4	10.442	35.576	35.578	4.303	17.9	8.3	0.92				
25	20	801.4	-795.3	10.008	35.631	35.631	4.269	18.3	9.1	0.97	2.34	2.18	-0.04	0.89
25	19	882.8	-875.9	10.216	35.777	35.779	4.253	17.8	9.0	0.94	2.17	0.67	0.04	0.71
25	18	999.3	-991.3	8.975	35.648	35.649	4.442	18.6	10.2	0.99	1.64	1.53	-0.05	0.86
25	17	1199.9	-1189.8	7.876	35.602	35.606	4.797	18.5	11.0	0.99	2.74		0.04	1.11
25	16	1398.2	-1385.8	5.693	35.255	35.255	5.447	18.9	11.6	1.03	2.32	1.51	0.01	2.47
25	15	1599.6	-1584.7	4.686	35.123	35.125	5.778	18.8	12.1	1.01	2.54	1.65	0.01	3.24
25	14	1798.4	-1780.8	3.806	34.989	34.994	6.132	18.7	12.3	1.03	2.53	2.26	-0.04	3.03
25	13	2019.8	-1999.0	3.487	34.969	34.974	6.235	18.6	13.0	1.03	1.95	1.53	0.00	2.77
25	12	2246.5	-2222.2	3.342	34.985	34.985	6.042	19.1	16.8	1.06	1.25	1.27	0.04	1.42
25	11	2500.7	-2472.2	3.110	34.980	34.980	5.959	19.6	20.4	1.13	1.31		-0.02	1.21
25	10	2748.8	-2715.9	2.784	34.958	34.961	5.908	20.2	29.6	1.15	0.65	0.98	-0.10	0.84
25	9	3002.0	-2964.3	2.585	34.951	34.948	5.807	20.9	35.0	1.23	0.38	0.84	-0.13	0.44
25	8	3242.5	-3200.1	2.437	34.940	34.939	5.693	21.9	40.4	1.28	0.38	0.51		0.20
25	7	3245.2	-3202.7	2.438	34.940	34.939	5.727	22.0	39.8	1.26				
25	6	3499.0	-3451.2	2.321	34.929	34.928	5.674	22.4	42.7	1.31	0.21	0.33	-0.02	0.14
25	5	3750.6	-3697.2	2.229	34.921	34.923	5.643	22.8	44.9	1.34				
25	4	3999.9	-3940.7	2.155	34.914	34.911	5.63	23.2	46.8	1.37				
25	3	4265.6	-4200.0	2.102	34.908	34.908	5.627	23.4	48.0	1.38	0.33		-0.04	0.04

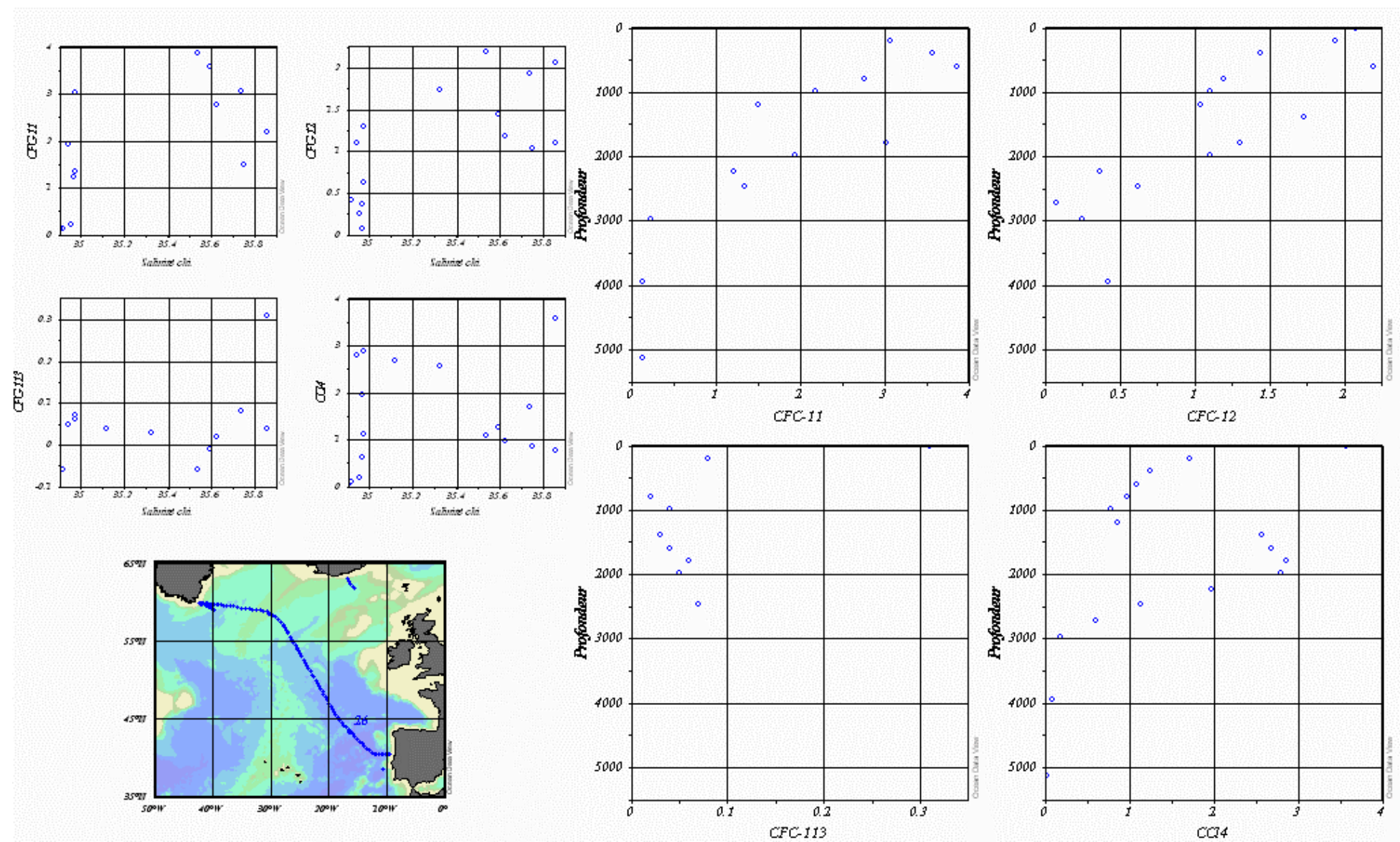




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
26	31/05/2006	16:53:08	43:10:75 N	16:14:74 W	5132m

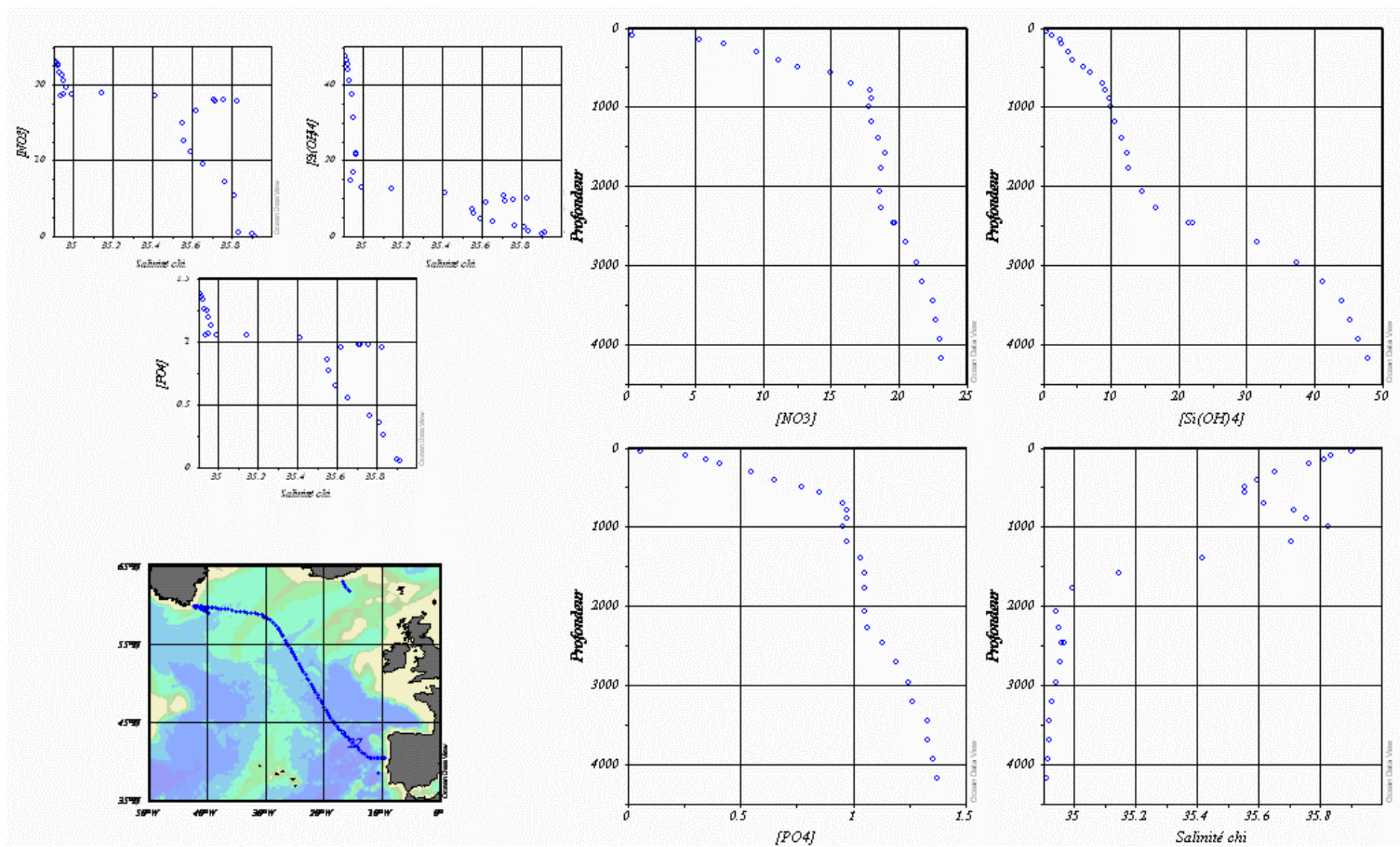
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
26	30	19.0	-18.9	15.346	35.856	35.855	5.896	1.3	0.7	0.09		2.07	0.31	3.58
26	29	50.3	-50.0	14.857	35.831	35.824	5.941	2.1	0.4	0.12				
26	28	102.2	-101.6	12.963	35.779	35.778	5.728	7.0	2.1	0.35				
26	27	150.2	-149.3	12.804	35.770	35.769	5.631	7.7	2.6	0.38				
26	26	200.9	-199.6	12.602	35.744	35.737	5.459	8.7	2.9	0.44	3.07	1.94	0.08	1.71
26	25	301.2	-299.3	11.857	35.633	35.632	5.211	9.5	3.7	0.56				
26	24	400.5	-397.8	11.477	35.591	35.590	5.189	12.2	4.1	0.63	3.58	1.44	-0.01	1.25
26	23	501.4	-497.9	11.008	35.532	35.529	4.935	14.3	5.4	0.74				
26	22	601.6	-597.3	10.546	35.533	35.534	4.474	16.8	7.1	0.88	3.86	2.19	-0.06	1.09
26	21	700.6	-695.5	10.264	35.597	35.596	4.308	17.5	8.1	0.94				
26	20	803.1	-797.0	9.736	35.623	35.621	4.282	18.4	9.3	1.00	2.77	1.19	0.02	0.97
26	19	901.2	-894.2	9.923	35.776	35.776	4.278	17.2	9.4	0.94				
26	18	1001.3	-993.2	9.772	35.844	35.854	4.293	17.4	9.6	0.94	2.19	1.10	0.04	0.78
26	17	1198.1	-1187.9	8.729	35.756	35.750	4.597	18.2	10.5	0.97	1.50	1.04		0.86
26	16	1399.2	-1386.8	6.150	35.325	35.324	5.246	18.6	11.8	1.03		1.73	0.03	2.57
26	15	1601.9	-1586.9	4.735	35.117	35.118	5.711	19.0	12.6	1.05			0.04	2.68
26	14	1799.5	-1781.9	3.732	34.970	34.969	6.122	18.4	12.4	1.05	3.03	1.30	0.06	2.87
26	13	1999.0	-1978.5	3.383	34.941	34.939	6.246	18.7	13.2	1.03	1.94	1.10	0.05	2.80
26	12	2246.9	-2222.6	3.286	34.971	34.968	6.07	18.2	16.7	1.06	1.22	0.37		1.97
26	11	2502.1	-2473.6	3.052	34.976	34.973	5.92	19.4	26.8	1.11	1.34	0.62	0.07	1.13
26	10	2748.8	-2715.9	2.836	34.967	34.965	5.838	20.5	31.4	1.19		0.08		0.61
26	9	2999.9	-2962.3	2.620	34.954	34.952	5.767	20.9	35.6	1.23	0.23	0.25		0.18
26	7	3499.7	-3451.9	2.329	34.933	34.931	5.656	22.1	43.0	1.30				
26	6	3746.7	-3693.4	2.251	34.925	34.922	5.617	22.6	45.5	1.35				
26	5	3998.8	-3939.7	2.184	34.918	34.916	5.601	22.8	47.1	1.34	0.13	0.42	-0.06	0.09
26	4	4497.7	-4426.2	2.095	34.911	34.905	5.609	23.2	49.5	1.39				
26	3	5219.3	-5128.1	2.051	34.906	34.901	5.613	23.2	50.1	1.38	0.13			0.03

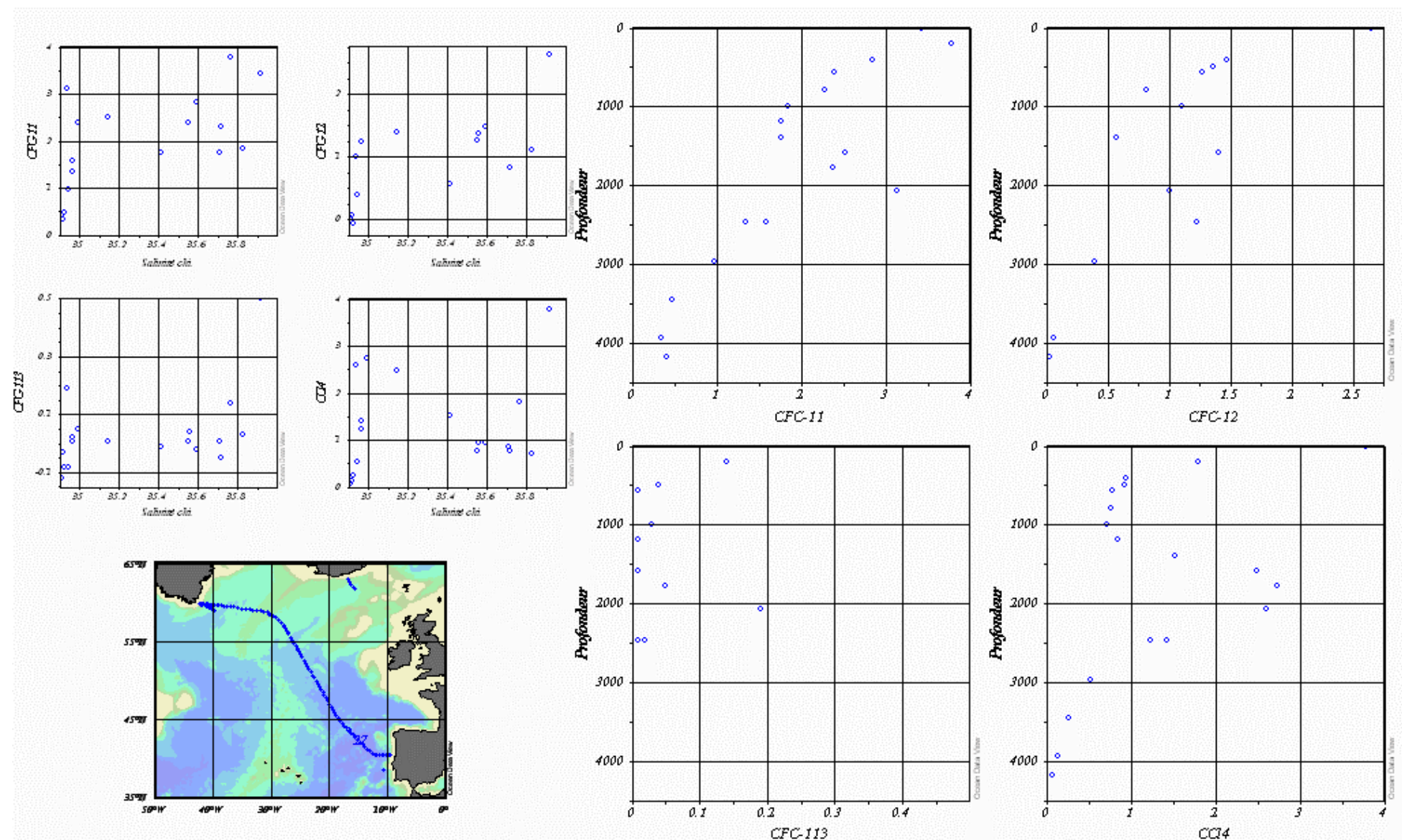




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
27	31/05/2006	23:03:58	43:28:73 N	16:38:39 W	4173m

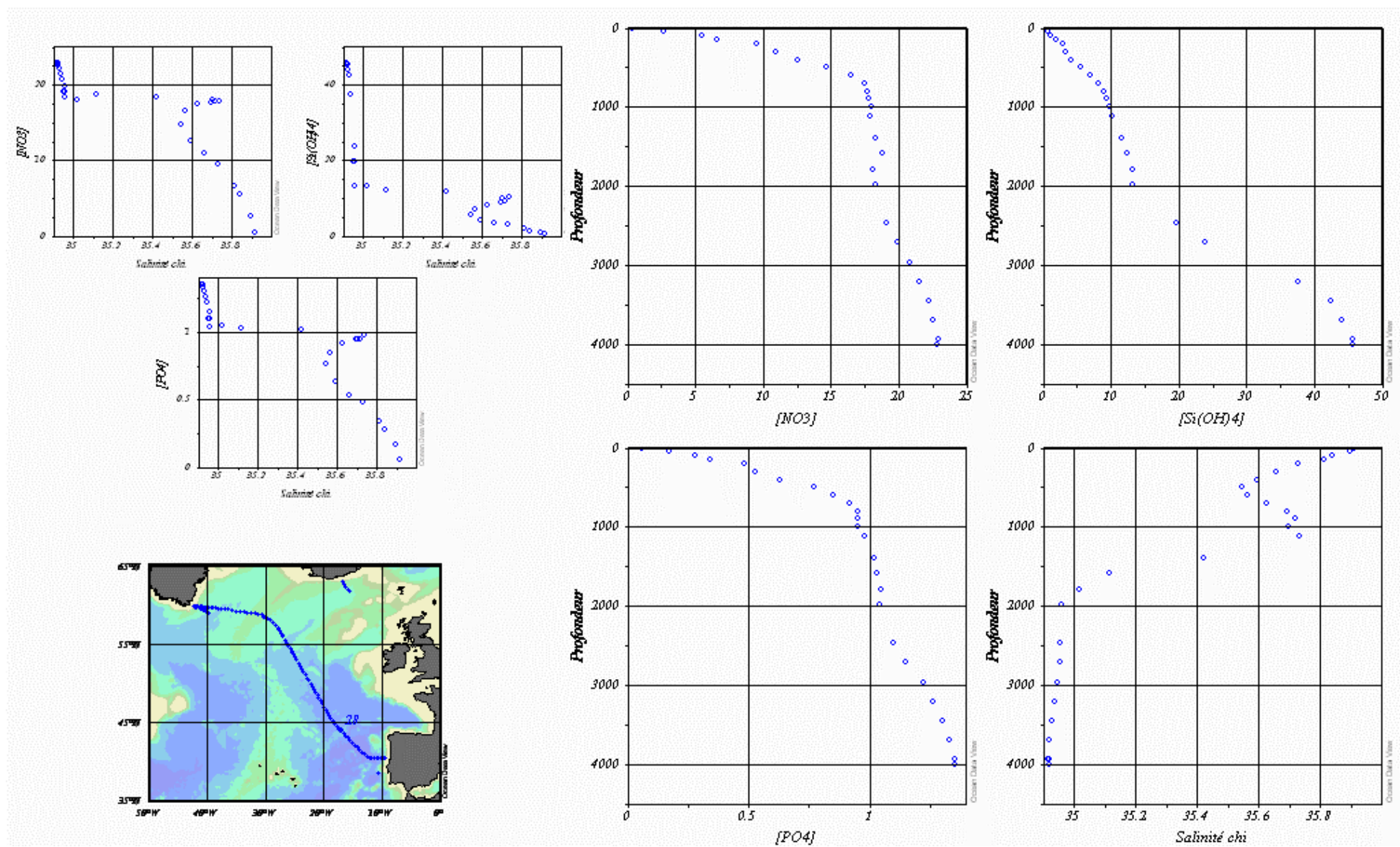
Station	Bouteille	Pression dbar	Immersion M	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
27	30	11.4	-11.3	15.342	35.914	35.911	5.872	0.0	0.8	0.05	3.43	2.64	0.50	3.78
27	29	51.4	-51.1	15.160	35.899	35.898	5.857	0.3	0.6	0.06				
27	28	100.6	-100.0	13.433	35.836	35.833	5.678	0.4	1.3	0.26				
27	27	151.9	-151.0	12.968	35.808	35.810	5.529	5.3	2.5	0.35				
27	26	199.6	-198.4	12.650	35.767	35.764	5.42	7.1	2.8	0.41	3.78		0.14	1.80
27	25	301.4	-299.5	11.916	35.658	35.654	5.204	9.5	3.7	0.55				
27	24	400.8	-398.1	11.413	35.598	35.592	5.106	11.1	4.4	0.65	2.84	1.47	-0.02	0.94
27	23	495.6	-492.2	10.958	35.558	35.554	4.736	12.6	6.0	0.77		1.36	0.04	0.93
27	22	560.7	-556.8	10.666	35.555	35.553	4.508	15.0	7.0	0.85	2.39	1.27	0.01	0.78
27	21	699.7	-694.6	10.126	35.620	35.617	4.295	16.5	8.7	0.95				
27	20	801.5	-795.4	9.970	35.712	35.713	4.285	17.9	9.2	0.97	2.29	0.82	-0.05	0.76
27	19	900.0	-893.0	9.637	35.757	35.756	4.345	18.0	9.7	0.97				
27	18	1009.1	-1001.0	9.495	35.832	35.827	4.388	17.8	9.9	0.95	1.84	1.10	0.03	0.71
27	17	1200.6	-1190.4	8.415	35.709	35.706	4.679	18.0	10.6	0.97	1.76		0.01	0.85
27	16	1399.4	-1387.0	6.526	35.415	35.415	5.172	18.5	11.5	1.03	1.76	0.57	-0.01	1.53
27	15	1597.8	-1582.9	4.848	35.145	35.145	5.693	19.0	12.4	1.05	2.52	1.40	0.01	2.49
27	14	1797.4	-1779.8	3.854	34.996	34.994	6.056	18.7	12.7	1.05	2.38		0.05	2.74
27	13	2098.2	-2076.2	3.237	34.944	34.941	6.257	18.6	14.6	1.05	3.13	1.00	0.19	2.60
27	12	2298.0	-2272.9	3.098	34.949	34.949	6.192	18.7	16.7	1.06				
27	11	2494.5	-2466.1	2.948	34.965	34.962	5.962	19.6	21.5	1.13	1.59	1.23	0.01	1.23
27	10	2500.9	-2472.4	2.953	34.966	34.967	5.939	19.7	22.0	1.13	1.35		0.02	1.42
27	9	2748.4	-2715.5	2.716	34.959	34.954	5.846	20.5	31.5	1.19				
27	8	2997.5	-2959.9	2.505	34.946	34.942	5.754	21.3	37.4	1.24	0.97	0.39	-0.08	0.53
27	7	3249.6	-3207.0	2.356	34.935	34.929	5.675	21.7	41.2	1.26				
27	6	3500.8	-3452.9	2.274	34.928	34.921	5.626	22.5	44.1	1.33	0.48	-0.07	-0.08	0.26
27	5	3748.4	-3695.1	2.233	34.924	34.921	5.604	22.7	45.3	1.33				
27	4	3991.6	-3932.6	2.193	34.919	34.915	5.606	23.0	46.5	1.35	0.34	0.06	-0.03	0.13
27	3	4236.4	-4171.5	2.126	34.914	34.909	5.596	23.1	47.8	1.37	0.41	0.03	-0.12	0.07

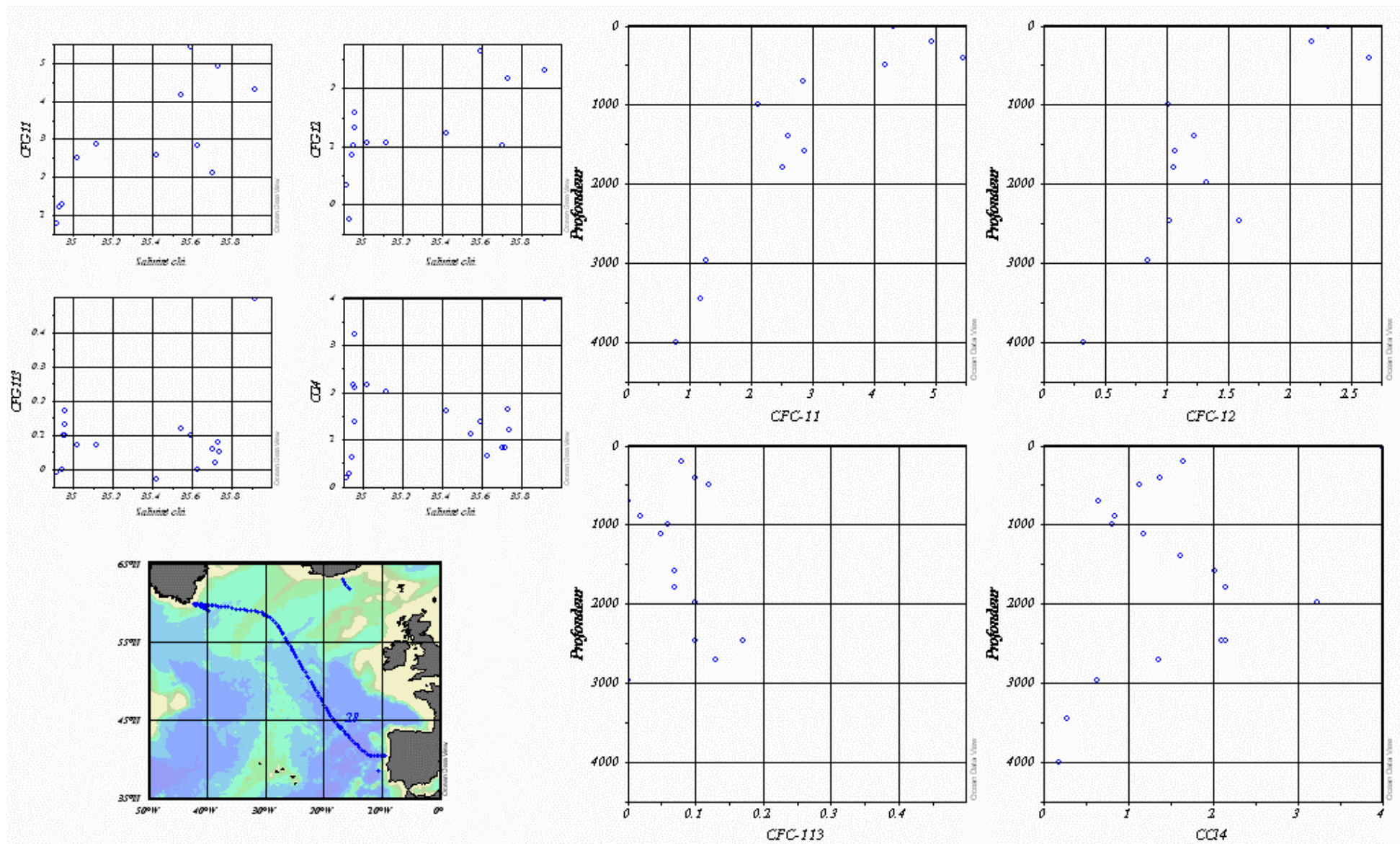




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
28	01/06/2006	04:51:18	43:46:71 N	17 :02:00 W	3424m

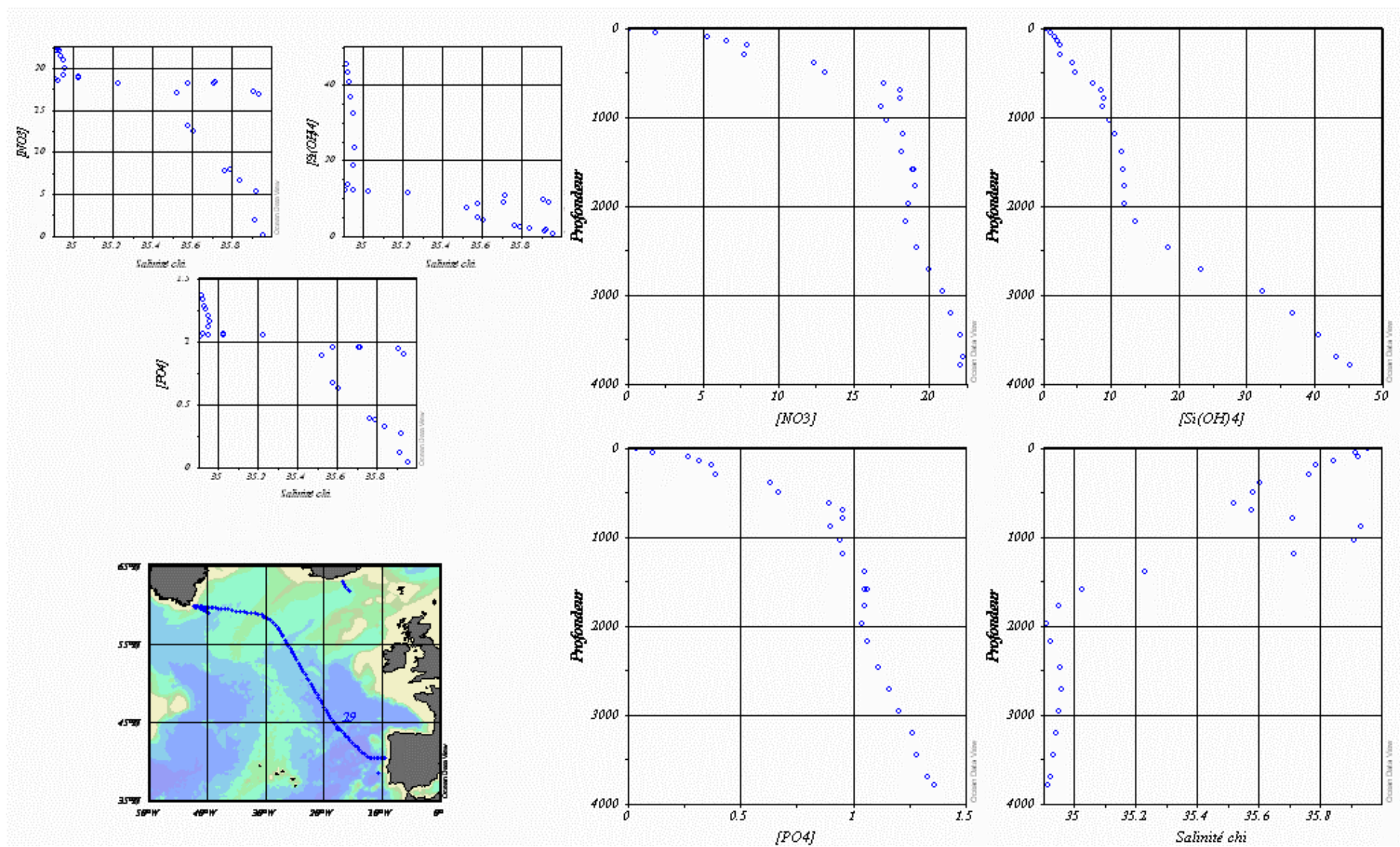
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
28	30	15.7	-15.6	15.275	35.911	35.911	5.847	0.4	0.4	0.06	4.32	2.31	0.50	3.99
28	29	50.6	-50.3	14.422	35.895	35.895	5.691	2.7	0.8	0.17				
28	28	100.0	-99.4	13.459	35.842	35.838	5.66	5.5	1.2	0.28				
28	27	151.1	-150.2	13.124	35.817	35.810	5.554	6.6	1.9	0.34				
28	26	200.0	-198.8	12.571	35.744	35.728	5.264	9.5	3.0	0.48	4.93	2.18	0.08	1.65
28	25	299.1	-297.2	11.953	35.665	35.657	5.187	10.9	3.4	0.53				
28	24	401.2	-398.5	11.425	35.595	35.592	5.093	12.6	4.2	0.63	5.45	2.65	0.10	1.38
28	23	500.4	-497.0	10.996	35.548	35.545	4.782	14.7	5.6	0.77	4.19		0.12	1.13
28	22	598.8	-594.5	10.638	35.567	35.562	4.457	16.5	7.0	0.85				
28	21	701.0	-695.9	10.375	35.629	35.627	4.305	17.5	8.1	0.92	2.84		0.00	0.66
28	20	802.6	-796.5	10.040	35.695	35.693	4.261	17.7	8.9	0.95				
28	19	901.3	-894.3	9.637	35.720	35.717	4.299	17.8	9.4	0.95			0.02	0.84
28	18	1000.6	-992.6	9.126	35.702	35.698	4.4	18.0	9.8	0.95	2.12	1.02	0.06	0.82
28	17	1133.7	-1124.3	8.811	35.739	35.733	4.529	17.9	10.2	0.98			0.05	1.19
28	16	1400.8	-1388.3	6.537	35.425	35.420	5.171	18.3	11.6	1.02	2.60	1.22	-0.03	1.62
28	15	1600.8	-1585.9	4.648	35.114	35.114	5.734	18.8	12.3	1.03	2.88	1.07	0.07	2.02
28	14	1801.5	-1783.9	3.967	35.019	35.017	5.989	18.1	13.2	1.05	2.52	1.06	0.07	2.15
28	13	1997.8	-1977.3	3.450	34.955	34.960	6.193	18.3	13.3	1.04		1.33	0.10	3.23
28	12	2500.8	-2472.3	2.954	34.956	34.955	6.053	19.1	19.7	1.10		1.59	0.17	2.10
28	11	2499.5	-2471.0	2.954	34.956	34.954	6.054	19.1	19.7	1.10		1.03	0.10	2.16
28	10	2747.4	-2714.5	2.769	34.958	34.955	5.925	19.9	23.8	1.15			0.13	1.37
28	9	2998.4	-2960.8	2.581	34.950	34.948	5.812	20.8		1.22	1.27	0.85	0.00	0.63
28	8	3249.0	-3206.4	2.422	34.941	34.937	5.72	21.5	37.6	1.26				
28	7	3499.2	-3451.4	2.324	34.932	34.928	5.647	22.2	42.4	1.30	1.19	-0.26		0.28
28	6	3748.0	-3694.7	2.273	34.926	34.922	5.616	22.5	44.1	1.33				
28	5	4000.1	-3940.9	2.232	34.923	34.921	5.577	22.9	45.6	1.35				
28	4	3997.8	-3938.7	2.233	34.923	34.917	5.572	22.9	45.7	1.35				
28	3	4066.7	-4005.9	2.231	34.922	34.918	5.577	22.8	45.6	1.35	0.78	0.33	-0.01	0.19

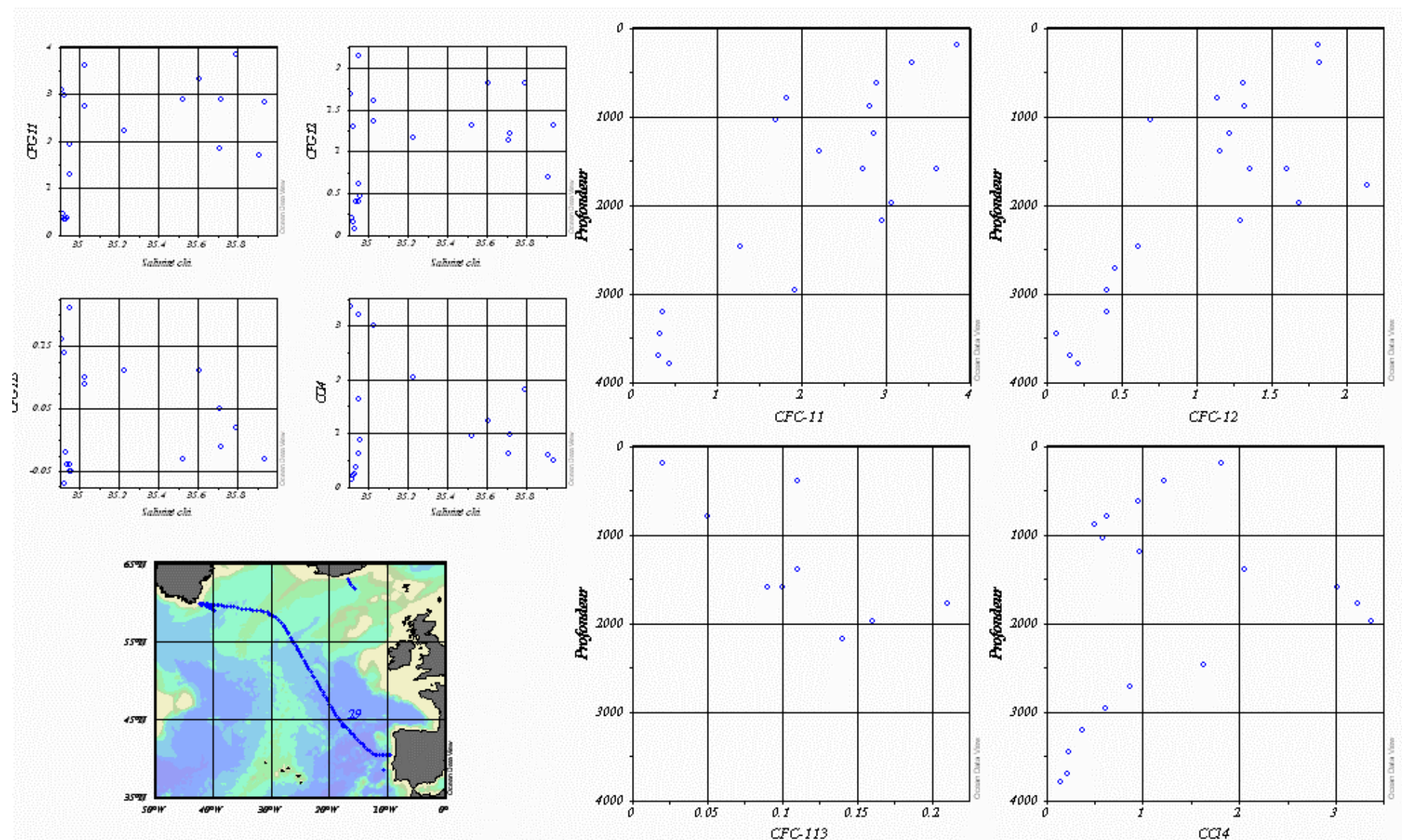




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
29	01/06/2006	10:23:16	44:04:62 N	17:25:60 W	3773m

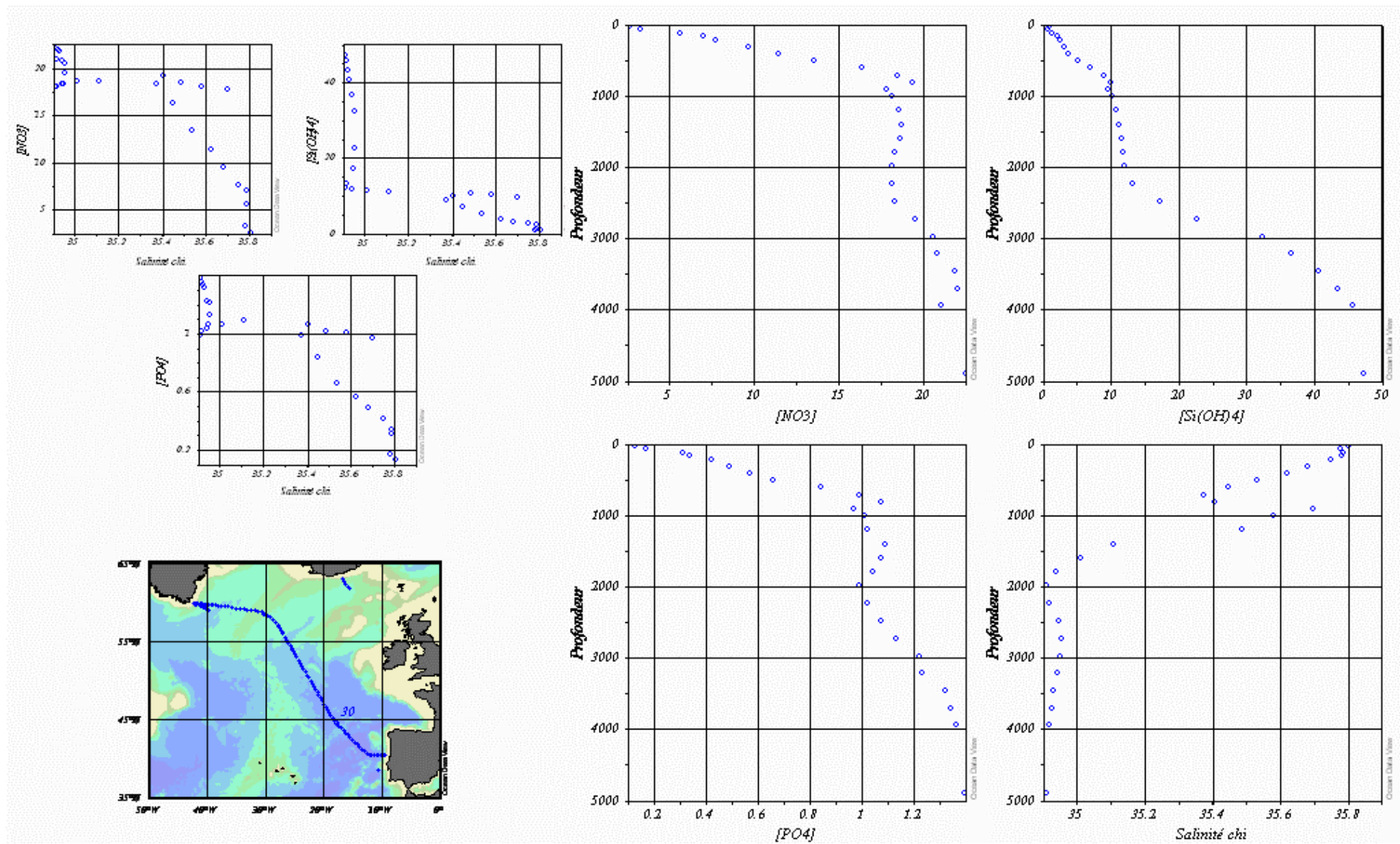
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
29	29	9.4	-9.3	15.633	35.952	35.952	5.846	0.1	0.5	0.04				
29	28	50.1	-49.8	14.701	35.910	35.912	5.951	1.9	1.1	0.11				
29	27	100.5	-99.9	13.933	35.926	35.924	5.536	5.3	1.7	0.27				
29	26	150.3	-149.4	13.303	35.845	35.841	5.494	6.6	2.1	0.32				
29	25	200.6	-199.3	12.887	35.793	35.787	5.507	7.9	2.5	0.37	3.84	1.81	0.02	1.81
29	24	299.0	-297.1	12.491	35.765	35.762	5.55	7.8	2.6	0.39				
29	23	400.8	-398.1	11.600	35.606	35.605	5.071	12.4	4.3	0.63	3.31	1.82	0.11	1.22
29	22	499.2	-495.8	11.319	35.582	35.580	5.021	13.1	4.8	0.67				
29	21	629.0	-624.5	10.486	35.522	35.520	4.503	17.0	7.4	0.89	2.89	1.31	-0.03	0.95
29	20	697.8	-692.7	10.201	35.576	35.575	4.302	18.1	8.5	0.95				
29	19	801.8	-795.7	10.168	35.713	35.710	4.243	18.1	9.0	0.95	1.83	1.14	0.05	0.63
29	18	898.9	-891.9	10.647	35.937	35.933	4.196	16.8	8.8	0.90	2.82	1.32	-0.03	0.50
29	17	1049.2	-1040.6	9.906	35.915	35.908	4.293	17.2	9.7	0.94	1.70	0.69		0.59
29	16	1198.9	-1188.7	8.466	35.714	35.716	4.616	18.3	10.6	0.95	2.87	1.22	-0.01	0.97
29	15	1398.9	-1386.5	5.610	35.216	35.229	5.398	18.2	11.5	1.05	2.21	1.16	0.11	2.05
29	14	1600.0	-1585.1	4.323	35.027	35.028	5.913	19.0	11.7	1.06	3.60	1.60	0.09	
29	13	1599.7	-1584.8	4.318	35.025	35.028	5.905	18.9	11.7	1.05	2.74	1.36	0.10	3.01
29	12	1796.9	-1779.3	3.700	34.953	34.953	6.164	19.1	12.0	1.05		2.14	0.21	3.22
29	11	1999.7	-1979.2	3.303	34.913	34.913	6.362	18.6	12.0	1.04	3.08	1.68	0.16	3.36
29	10	2199.4	-2175.9	3.148	34.924	34.923	6.332	18.5	13.6	1.06	2.96	1.29	0.14	
29	9	2501.1	-2472.6	3.023	34.955	34.954	6.081	19.2	18.5	1.11	1.28	0.61	-0.05	1.63
29	8	2748.9	-2716.0	2.826	34.960	34.958	5.932	20.0	23.2	1.16		0.46	-0.05	0.87
29	7	3000.6	-2963.0	2.621	34.954	34.951	5.825	20.9	32.4	1.20	1.92	0.40	-0.04	0.61
29	6	3249.1	-3206.5	2.463	34.943	34.940	5.744	21.5	36.8	1.26	0.36	0.40	-0.04	0.38
29	5	3500.1	-3452.3	2.348	34.934	34.933	5.673	22.1	40.6	1.28	0.33	0.07	-0.02	0.23
29	4	3747.0	-3693.7	2.276	34.927	34.924	5.625	22.3	43.2	1.33	0.32	0.16	-0.07	0.22
29	3	3842.1	-3786.6	2.212	34.921	34.917	5.591	22.1	45.3	1.36	0.44	0.21		0.15

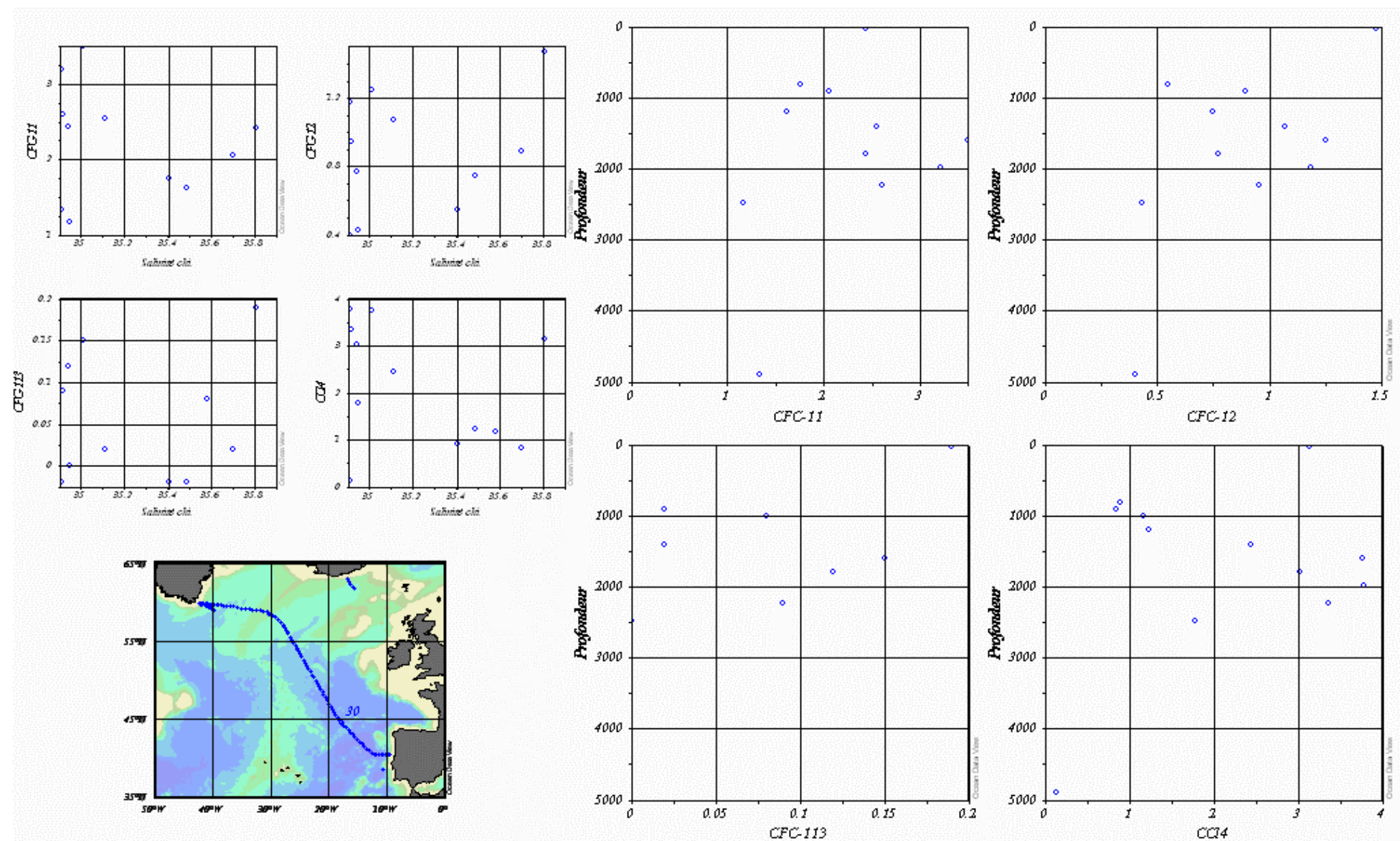




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
30	01/06/2006	15:54:44	44:22:07 N	17:49:00 W	4900m

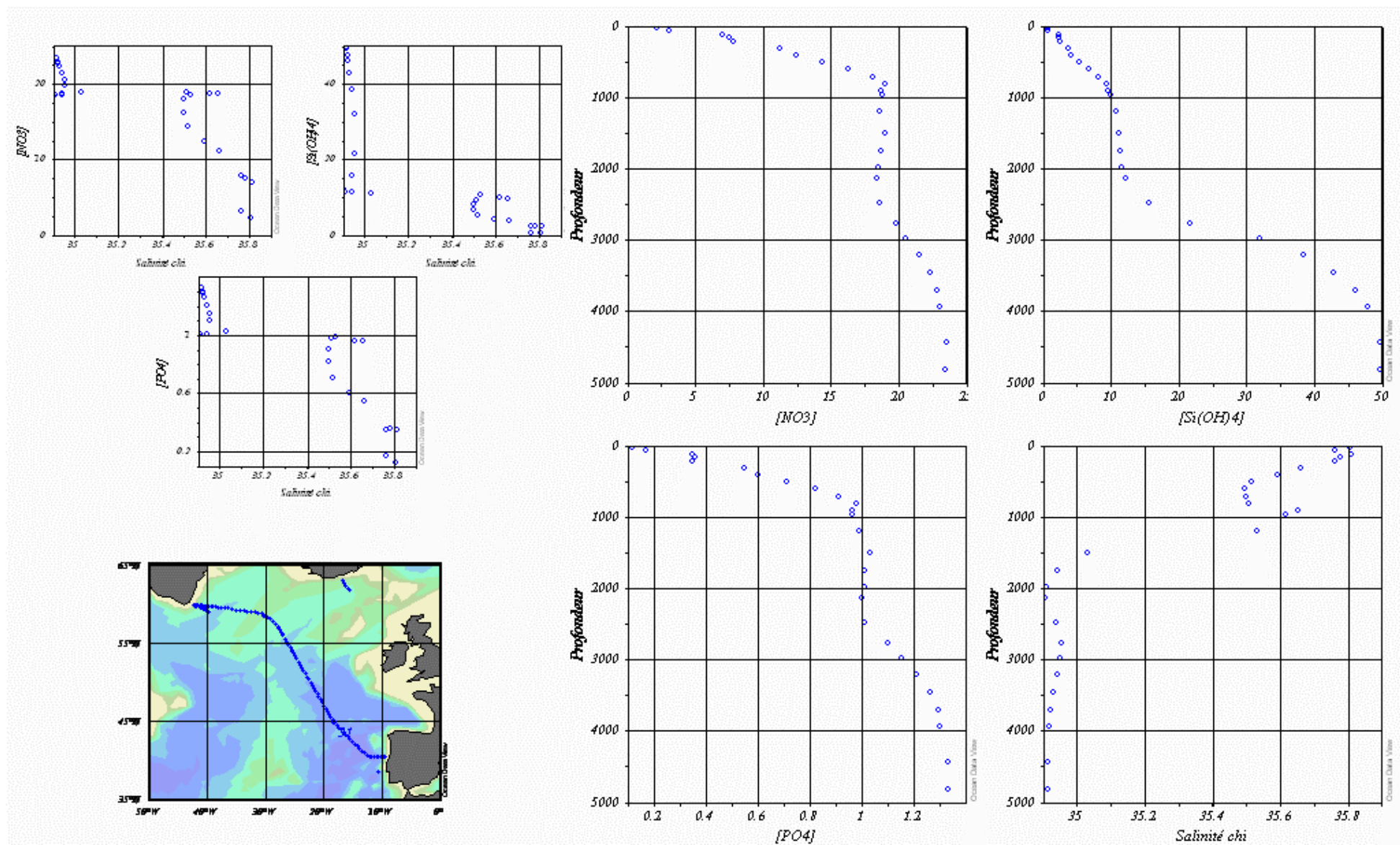
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
30	30	16.1	-16.0	14.864	35.805	35.803	6.007	2.6	1.0	0.13	2.43	1.47	0.19	3.14
30	29	52.0	-51.7	13.867	35.778	35.776	5.963	3.3	0.8	0.17				
30	28	102.5	-101.9	13.311	35.786	35.784	5.782	5.6	1.4	0.31				
30	27	152.0	-151.1	12.903	35.782	35.783	5.678	7.0	2.2	0.34				
30	26	199.2	-198.0	12.681	35.750	35.748	5.57	7.7	2.6	0.42				
30	25	300.2	-298.3	12.236	35.686	35.681	5.435	9.6	3.2	0.49				
30	24	400.0	-397.3	11.730	35.620	35.619	5.253	11.4	3.8	0.57				
30	23	499.5	-496.1	11.169	35.537	35.533	5.054	13.5	5.1	0.66				
30	22	600.2	-595.9	10.475	35.451	35.448	4.666	16.3	6.9	0.84				
30	21	700.3	-695.2	9.539	35.375	35.373	4.383	18.4	9.0	0.99				
30	20	800.9	-794.9	8.981	35.410	35.406	4.37	19.3	9.9	1.07	1.76	0.55	-0.02	0.90
30	19	896.8	-889.8	9.649	35.701	35.698	4.291	17.8	9.6	0.97	2.06	0.89	0.02	0.84
30	18	999.5	-991.5	8.614	35.588	35.580	4.505	18.1	10.2	1.01			0.08	1.17
30	17	1197.7	-1187.6	7.424	35.492	35.487	4.924	18.5	10.8	1.02	1.62	0.75	-0.02	1.24
30	15	1398.3	-1385.9	5.045	35.107	35.109	5.621	18.7	11.2	1.09	2.55	1.07	0.02	2.44
30	14	1599.0	-1584.1	4.209	35.010	35.010	5.971	18.6	11.5	1.07	3.50	1.25	0.15	3.76
30	13	1799.9	-1782.3	3.592	34.940	34.940	6.217	18.3	11.7	1.04	2.44	0.77	0.12	3.03
30	12	1998.8	-1978.3	3.282	34.916	34.912	6.416	18.1	12.0	0.99	3.21	1.18		3.79
30	11	2247.9	-2223.6	3.090	34.921	34.918	6.354	18.1	13.2	1.02	2.60	0.95	0.09	3.36
30	10	2501.5	-2473.0	3.005	34.949	34.947	6.166	18.3	17.3	1.07	1.17	0.43	0.00	1.78
30	9	2747.4	-2714.5	2.812	34.958	34.955	5.952	19.5	22.7	1.13				
30	8	2999.3	-2961.7	2.640	34.956	34.951	5.806	20.5	32.4	1.22				
30	7	3247.4	-3204.9	2.470	34.944	34.941	5.755	20.8	36.6	1.23				
30	6	3496.3	-3448.5	2.341	34.932	34.929	5.674	21.8	40.6	1.32				
30	5	3748.7	-3695.4	2.259	34.927	34.925	5.614	22.0	43.4	1.34				
30	4	3999.8	-3940.6	2.214	34.922	34.918	5.579	21.0	45.7	1.36				
30	3	4983.2	-4898.7	2.164	34.918	34.912	5.568	22.5	47.3	1.39	1.33	0.40	-0.02	0.13

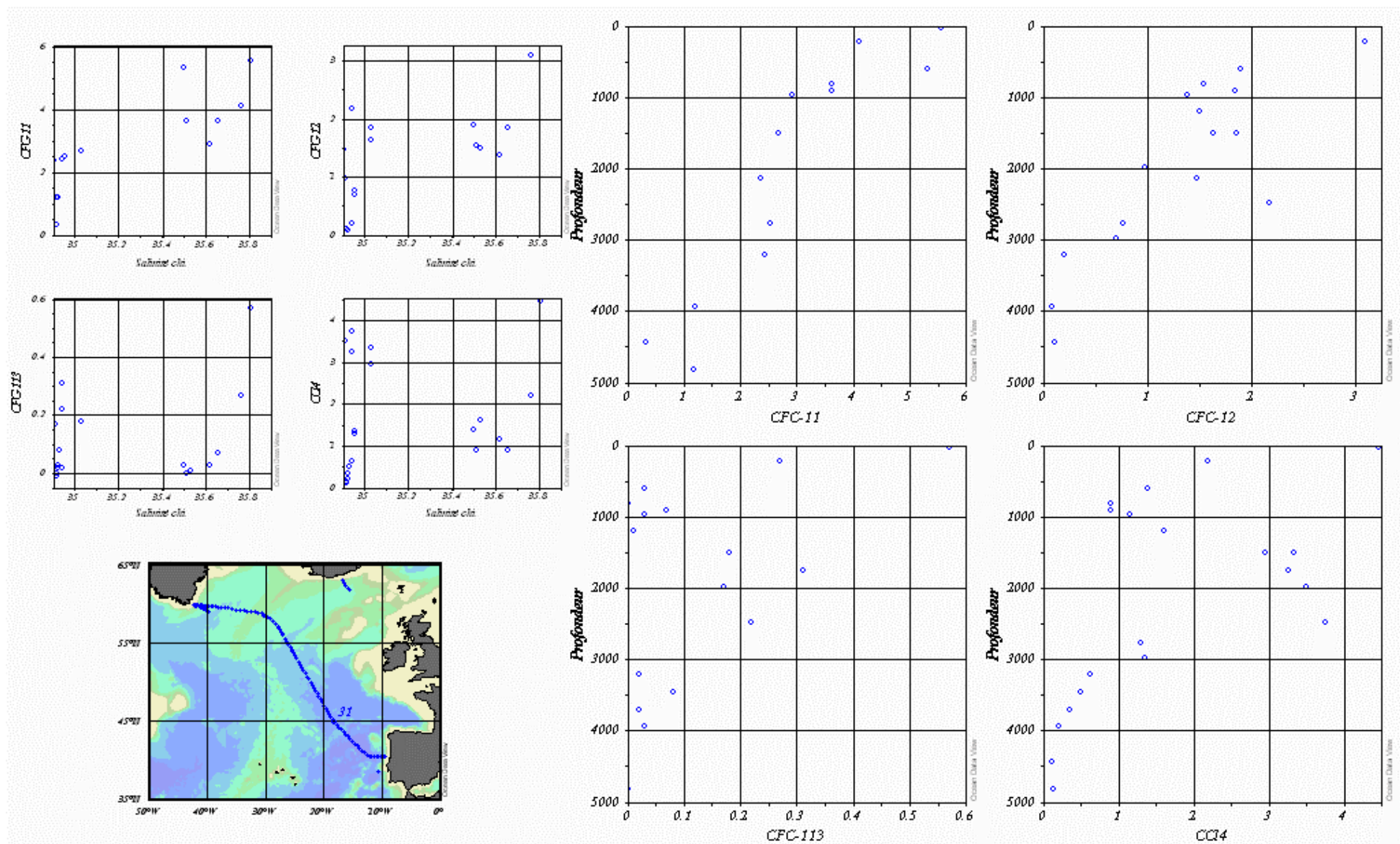




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
31	01/06/2006	21:59:57	44:40:50 N	18:12:78 W	4824m

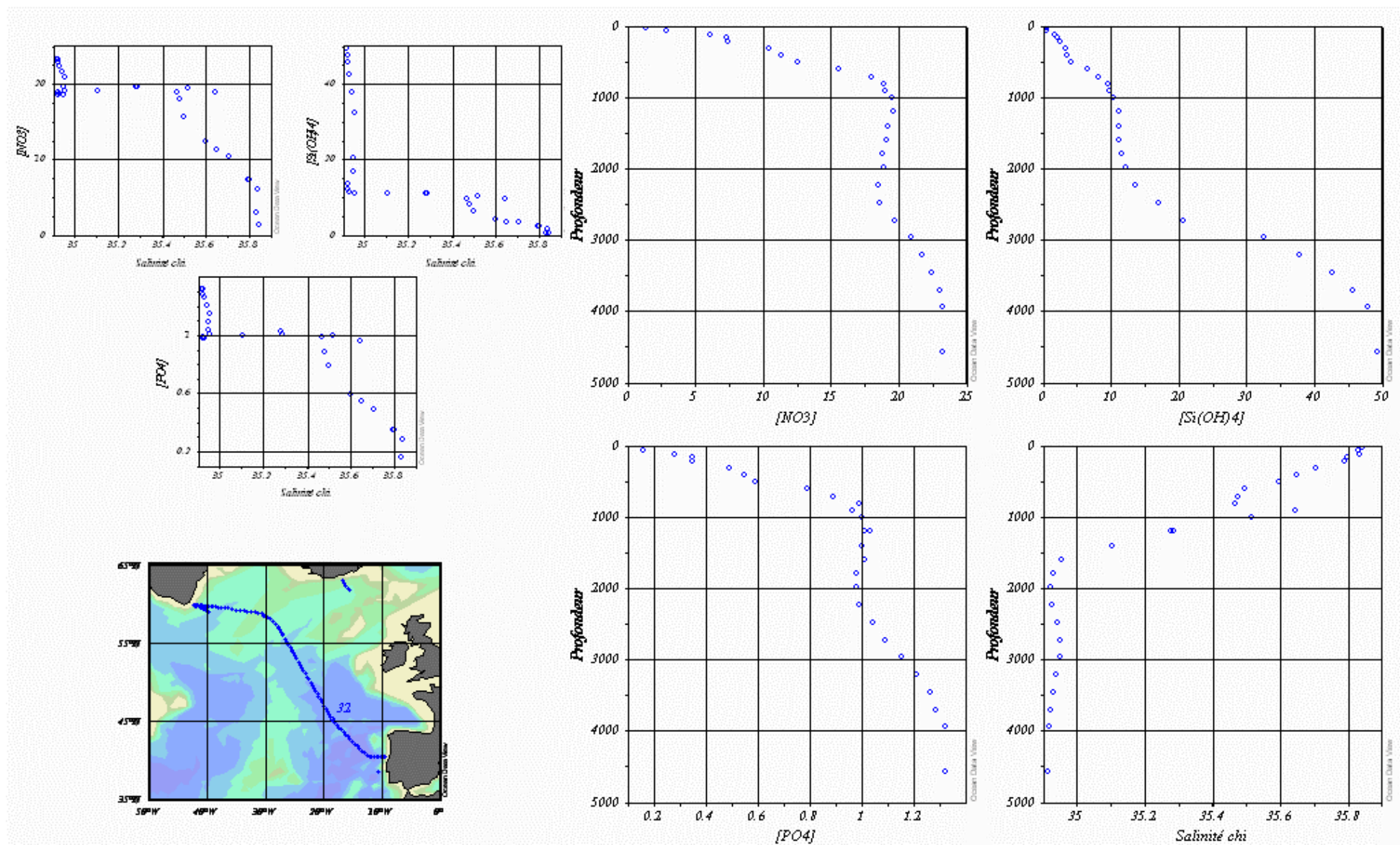
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
31	30	8.7	-8.6	14.770	35.805	35.805	5.998	2.2	0.7	0.12	5.55		0.57	4.46
31	29	49.9	-49.6	13.908	35.762	35.762	5.959	3.1	0.7	0.17				
31	28	101.5	-100.9	13.242	35.810	35.810	5.668	7.0	2.3	0.35				
31	27	150.8	-149.9	12.973	35.777	35.777	5.642	7.5	2.4	0.36				
31	26	199.7	-198.5	12.801	35.760	35.761	5.619	7.8	2.5	0.35	4.09	3.09	0.27	2.19
31	25	298.9	-297.0	12.189	35.665	35.659	5.191	11.2	3.7	0.55				
31	24	400.0	-397.3	11.629	35.592	35.592	5.178	12.4	4.2	0.60				
31	23	499.1	-495.7	11.024	35.516	35.516	4.969	14.4	5.4	0.71				
31	22	600.2	-595.9	10.586	35.497	35.495	4.677	16.3	6.7	0.82	5.32	1.90	0.03	1.38
31	21	698.7	-693.6	10.109	35.500	35.498	4.389	18.1	8.1	0.91				
31	20	800.7	-794.7	9.471	35.513	35.508	4.293	19.0	9.3	0.98	3.61	1.54	0.00	0.89
31	19	898.9	-891.9	9.385	35.635	35.654	4.365	18.7	9.5	0.96	3.61	1.84	0.07	0.90
31	18	969.1	-961.4	8.954	35.623	35.614	4.432	18.8	9.9	0.96	2.91	1.38	0.03	1.16
31	17	1198.7	-1188.6	7.580	35.531	35.531	4.837	18.6	10.7	0.99		1.50	0.01	1.60
31	16	1501.7	-1488.0	4.412	35.028	35.030	5.877	19.0	11.2	1.03		1.85	0.18	3.33
31	15	1502.2	-1488.5	4.405	35.026	35.031	5.883	19.0	11.2	1.03	2.68	1.63		2.95
31	14	1747.9	-1731.0	3.657	34.941	34.942	6.208	18.7	11.4	1.01			0.31	3.26
31	13	1999.6	-1979.1	3.273	34.905	34.909	6.38	18.5	11.5	1.01		0.98	0.17	3.49
31	12	2148.1	-2125.4	3.151	34.905	34.906	6.414	18.4	12.1	1.00	2.36	1.48		
31	11	2500.7	-2472.2	3.020	34.937	34.939	6.22	18.6	15.6	1.01		2.17	0.22	3.75
31	10	2799.6	-2765.8	2.831	34.955	34.956	5.986	19.8	21.7	1.10	2.52	0.77		1.30
31	9	2999.5	-2961.9	2.675	34.951	34.952	5.882	20.5	31.9	1.15		0.70		1.35
31	8	3250.2	-3207.6	2.485	34.941	34.941	5.776	21.5	38.5	1.21	2.43	0.20	0.02	0.63
31	7	3500.3	-3452.5	2.349	34.931	34.931	5.692	22.3	42.8	1.26			0.08	0.49
31	6	3748.6	-3695.3	2.273	34.923	34.923	5.626	22.8	46.1	1.29			0.02	0.35
31	5	3996.7	-3937.6	2.221	34.918	34.920	5.592	23.0	47.8	1.30	1.20	0.08	0.03	0.20
31	4	4499.3	-4427.8	2.180	34.915	34.915	5.576	23.5	49.6	1.33	0.33	0.11	-0.01	0.12
31	3	4895.6	-4813.5	2.176	34.915	34.915	5.558	23.4	49.7	1.33	1.18		0.00	0.14

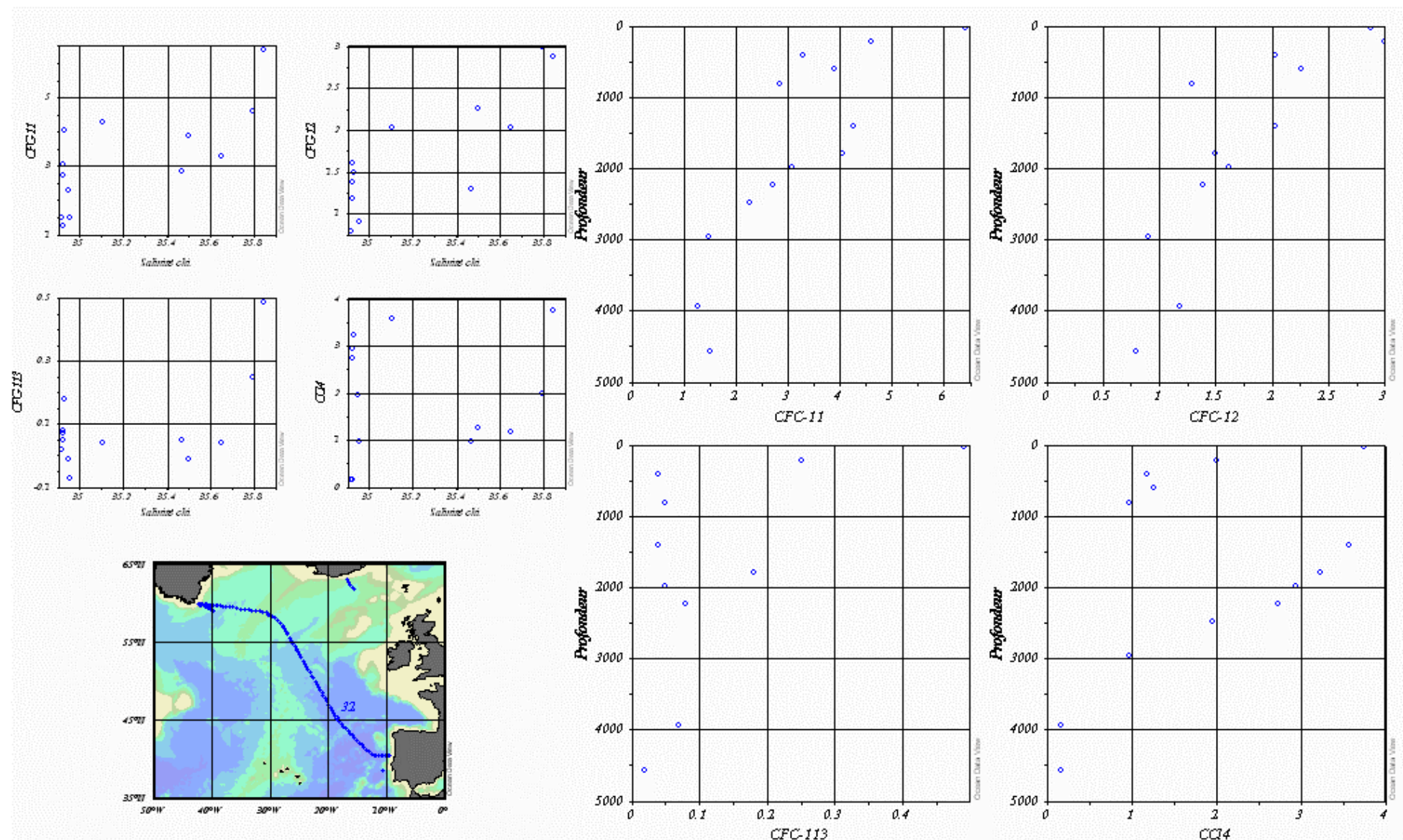




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
32	02/06/2006	03:52:01	45:03:04 N	18:30:33 W	4581m

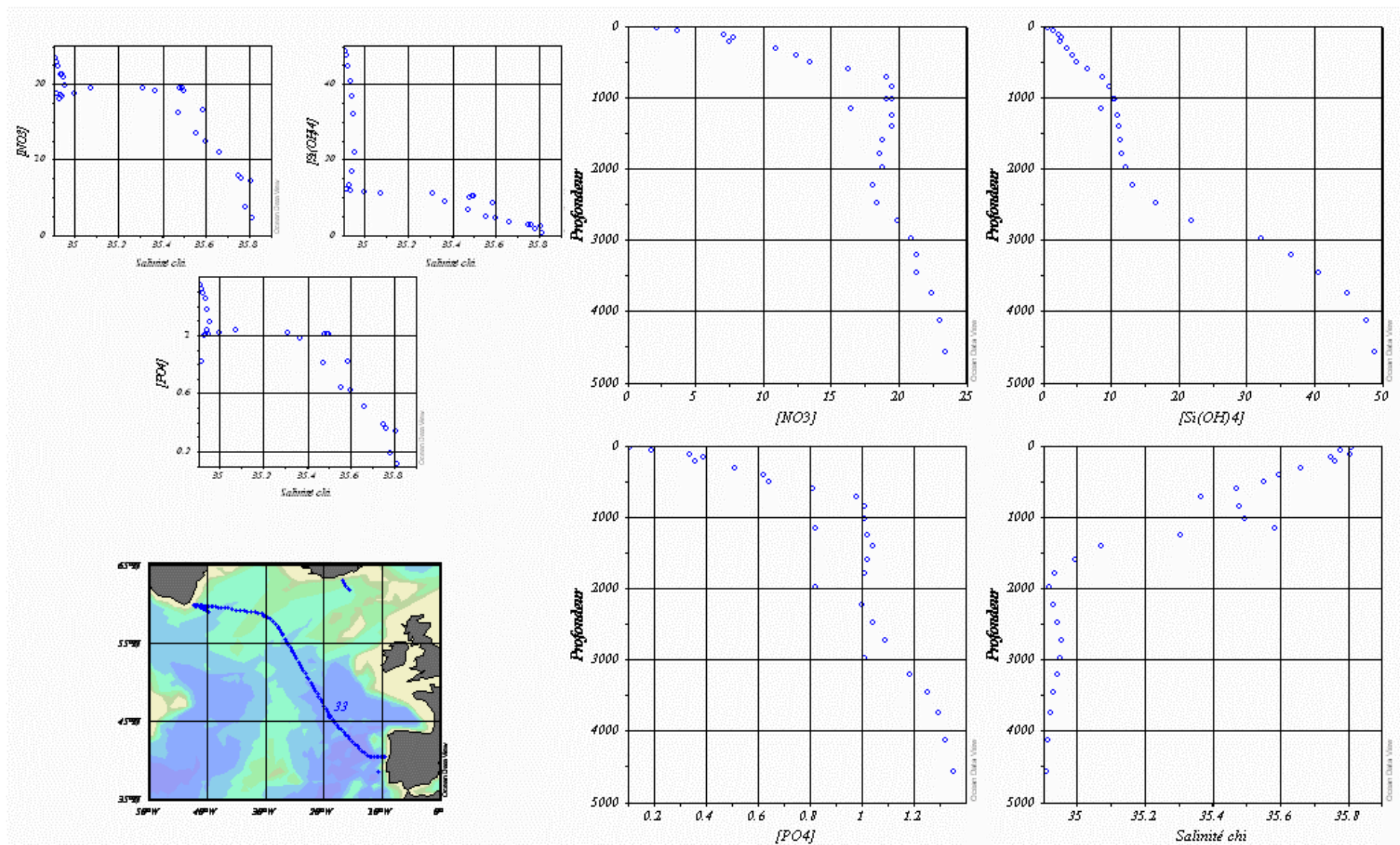
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
32	30	15.4	-15.3	14.887	35.841	35.840	6.047	1.4	0.5		6.41	2.87	0.49	3.75
32	29	51.9	-51.6	14.176	35.830	35.831	5.832	2.9	0.6	0.16				
32	28	102.2	-101.6	13.340	35.832	35.833	5.685	6.1	1.8	0.28				
32	27	150.7	-149.8	13.070	35.802	35.799	5.574	7.3	2.2	0.35				
32	26	199.4	-198.2	12.896	35.789	35.789	5.56	7.4	2.5	0.35	4.61	2.99	0.25	2.00
32	25	298.8	-296.9	12.357	35.707	35.706	5.254	10.4	3.3	0.49				
32	24	397.8	-395.1	11.889	35.648	35.647	5.254	11.3	3.6	0.55	3.30	2.03	0.04	1.18
32	23	496.9	-493.5	11.469	35.597	35.595	5.199	12.5	4.1	0.59				
32	22	598.3	-594.0	10.725	35.496	35.494	4.699	15.6	6.5	0.79	3.89	2.26	-0.01	1.27
32	21	698.6	-693.5	10.154	35.479	35.476	4.428	18.0	8.1	0.89				
32	20	800.1	-794.1	9.387	35.468	35.465	4.327	18.9	9.5	0.99	2.85	1.29	0.05	0.98
32	19	898.5	-891.5	9.474	35.640	35.642	4.315	19.0	9.7	0.96				
32	18	998.8	-990.8	8.394	35.517	35.516	4.527	19.5	10.4	1.00				
32	17	1196.7	-1186.6	6.502	35.285	35.276	5.119	19.6	11.1	1.03				
32	16	1196.9	-1186.8	6.444	35.275	35.286	5.11	19.6	11.1	1.01				
32	15	1398.6	-1386.2	5.003	35.098	35.103	5.643	19.2	11.2	1.00	4.27	2.03	0.04	3.58
32	14	1599.7	-1584.8	3.925	34.955	34.956	6.106	19.1	11.1	1.01				
32	13	1798.9	-1781.3	3.594	34.928	34.929	6.241	18.8	11.5	0.98	4.04	1.49	0.18	3.24
32	12	1997.5	-1977.0	3.380	34.922	34.922	6.31	18.9	12.2	0.98	3.07	1.61	0.05	2.95
32	11	2248.3	-2224.0	3.146	34.925	34.925	6.321	18.5	13.7	0.99	2.72	1.38	0.08	2.73
32	10	2500.5	-2472.0	3.013	34.943	34.944	6.162	18.6	17.0	1.04	2.28		-0.01	1.96
32	9	2747.4	-2714.5	2.822	34.950	34.950	6.041	19.7	20.6	1.09				
32	8	2998.1	-2960.5	2.639	34.950	34.951	5.863	20.9	32.5	1.15	1.49	0.90	-0.07	0.98
32	7	3248.1	-3205.5	2.471	34.941	34.940	5.774	21.7	37.9	1.21				
32	6	3498.8	-3451.0	2.336	34.930	34.931	5.688	22.4	42.7	1.26				
32	5	3749.6	-3696.2	2.258	34.923	34.924	5.615	23.0	45.7	1.28				
32	4	3996.9	-3937.8	2.214	34.918	34.919	5.581	23.2	47.8	1.32	1.26	1.18	0.07	0.17
32	3	4633.0	-4558.0	2.173	34.915	34.915	5.559	23.2	49.3	1.32	1.51	0.79	0.02	0.17

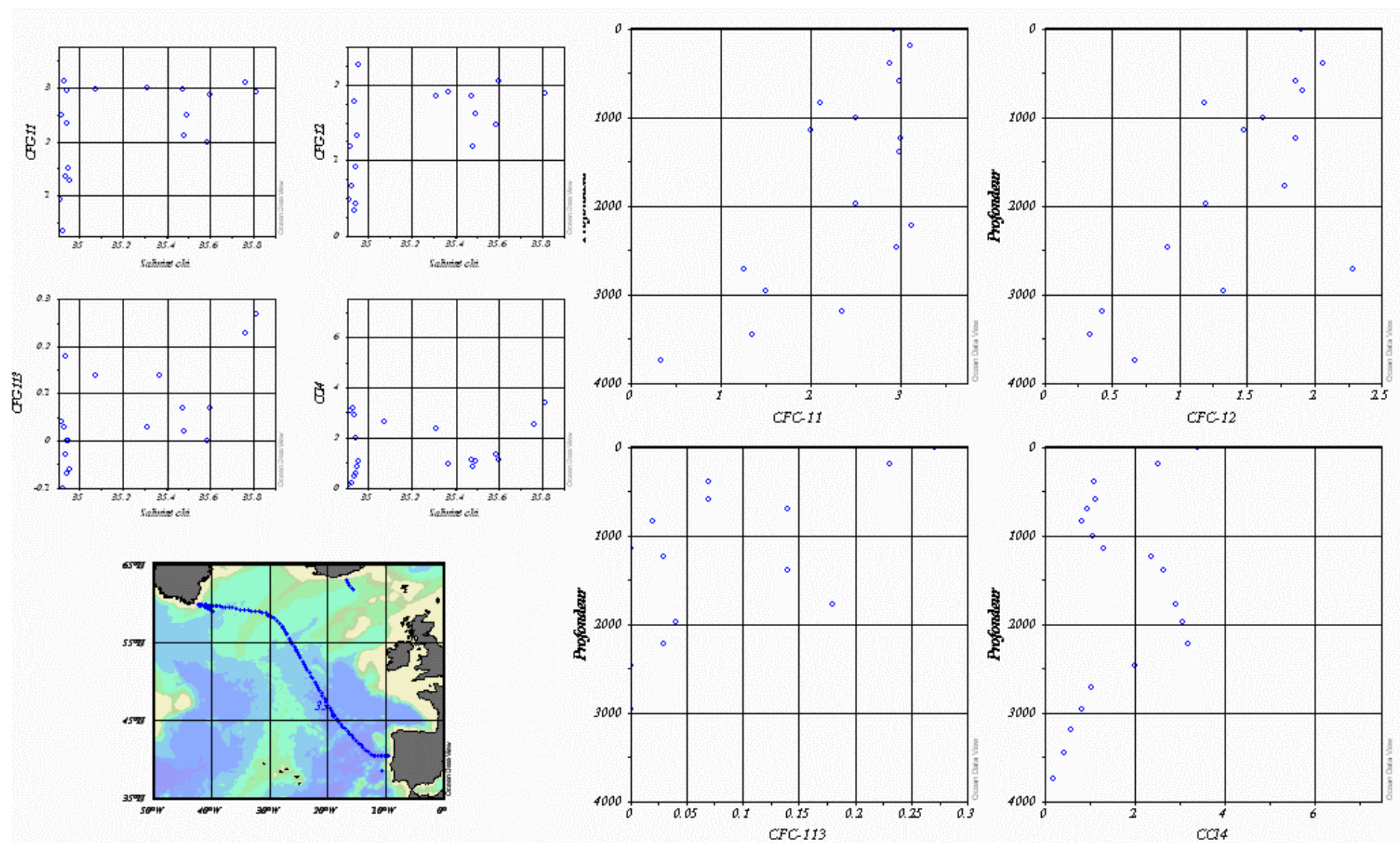




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
33	02/06/2006	09:49:33	45:25:29 N	18:47:85 W	4576m

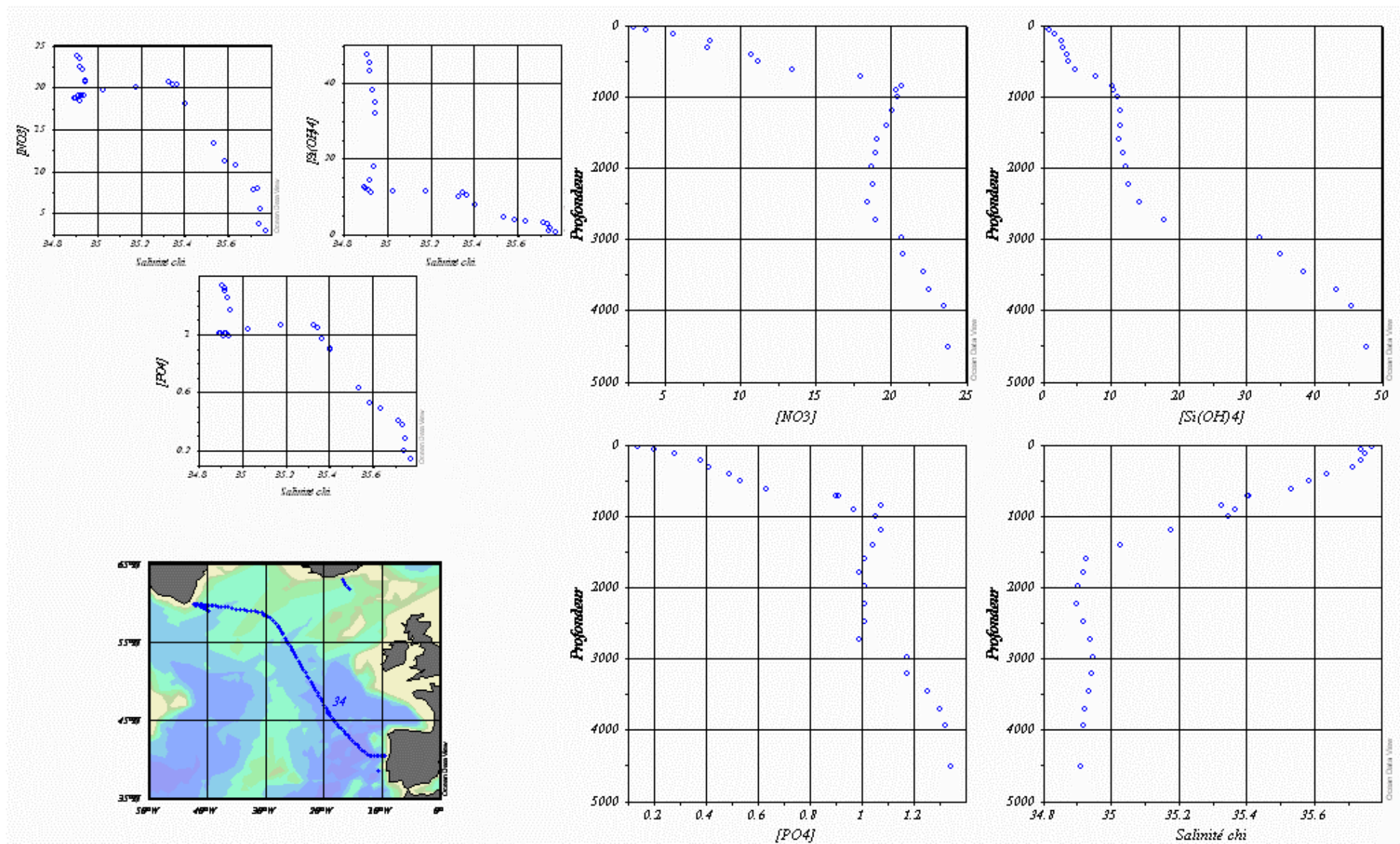
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
33	30	11.0	-10.9	14.693	35.809	35.811	6.066	2.2	0.7	0.11	2.92	1.90	0.27	3.40
33	29	52.4	-52.1	13.839	35.776	35.777	5.941	3.7	1.5	0.19				
33	28	100.2	-99.6	13.190	35.807	35.806	5.682	7.1	2.3	0.34				
33	27	150.3	-149.4	12.879	35.748	35.748	5.722	7.8	2.8	0.39				
33	26	200.3	-199.1	12.866	35.760	35.759	5.697	7.5	2.6	0.36	3.11	2.59	0.23	2.54
33	25	299.4	-297.5	12.192	35.663	35.660	5.308	10.9	3.6	0.51				
33	24	400.1	-397.4	11.701	35.597	35.596	5.162	12.4	4.4	0.62	2.88	2.06	0.07	1.09
33	23	500.2	-496.7	11.312	35.557	35.553	5.071	13.5	4.9	0.64				
33	22	599.3	-595.0	10.612	35.468	35.470	4.741	16.3	6.6	0.81	2.98	1.86	0.07	1.13
33	21	710.5	-705.3	9.652	35.369	35.367	4.41	19.1	8.8	0.98		1.91	0.14	0.95
33	20	850.5	-844.0	9.069	35.489	35.480	4.363	19.5	9.8	1.01	2.11	1.18	0.02	0.82
33	19	1020.8	-1012.6	8.206	35.499	35.495	4.575	19.1	10.4	1.01				
33	18	1020.5	-1012.3	8.205	35.499	35.493	4.579	19.5	10.5	1.01	2.50	1.62		1.08
33	17	1150.6	-1141.0	7.907	35.568	35.584	4.885	16.5	8.6	0.82	2.00	1.48	0.00	1.32
33	16	1250.4	-1239.7	6.345	35.310	35.307	5.181	19.5	11.0	1.02	3.00	1.86	0.03	2.38
33	15	1398.8	-1386.4	4.848	35.071	35.072	5.689	19.5	11.2	1.04	2.98	2.55	0.14	2.66
33	14	1598.8	-1583.9	4.117	34.994	34.995	6.153	18.8	11.4	1.02				
33	13	1799.4	-1781.8	3.583	34.933	34.934	6.225	18.6	11.6	1.01	6.05	1.78	0.18	2.93
33	12	1999.1	-1978.6	3.326	34.919	34.918	6.342	18.8	12.1	0.82	2.50	1.19	0.04	3.07
33	11	2249.8	-2225.5	3.113	34.921	34.929	6.349	18.1	13.2	1.00	3.13	2.75	0.03	3.19
33	10	2502.0	-2473.5	3.008	34.944	34.942	6.173	18.4	16.7	1.04	2.96	0.91	0.00	2.00
33	9	2751.2	-2718.3	2.826	34.955	34.954	5.99	19.9	21.8	1.09	1.27	2.28	-0.06	1.05
33	8	3000.6	-2963.0	2.641	34.952	34.950	5.87	20.9	32.1	1.01	1.51	1.33	0.00	0.84
33	7	3242.2	-3199.8	2.489	34.942	34.941	5.791	21.3	36.6	1.18	2.35	0.43	-0.07	0.59
33	6	3499.8	-3452.0	2.375	34.933	34.932	5.707	21.3	40.7	1.25	1.35	0.34	-0.03	0.45
33	5	3798.1	-3743.6	2.264	34.924	34.923	5.621	22.4	44.8	1.29	0.34	0.67	-0.10	0.21
33	4	4198.4	-4134.4	2.199	34.918	34.916	5.577	23.0	47.6	1.32				
33	3	4646.7	-4571.3	2.170	34.917	34.912	5.564	23.4	48.8	1.35	0.91	0.48		0.16

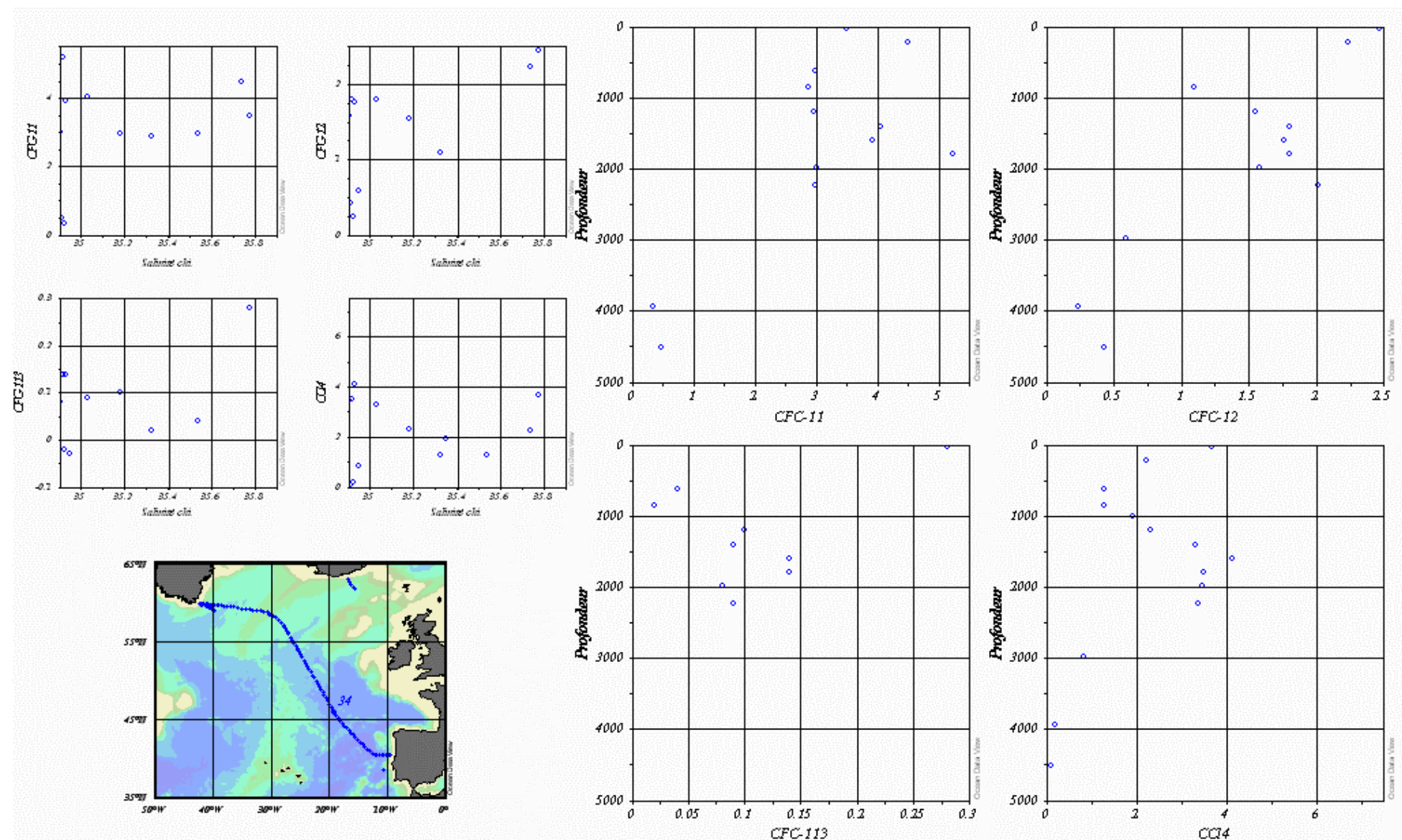




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
34	02/06/2006	15:43:19	45:47:71 N	19:05:43 W	4524m

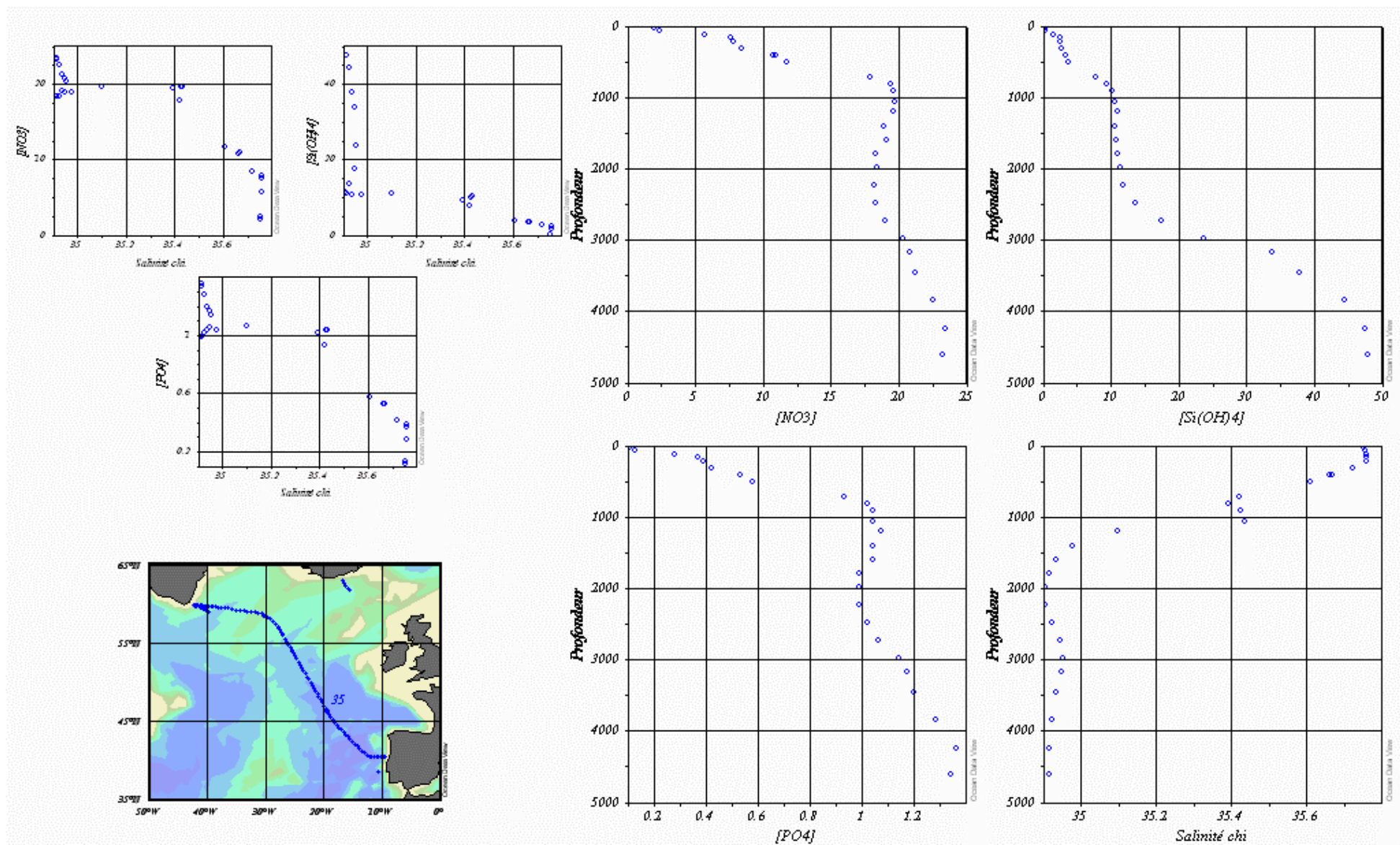
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
34	29	15.9	-15.8	14.628	35.770	35.771	6.115	2.9	0.6	0.14	3.49	2.46	0.28	3.68
34	28	48.5	-48.2	13.743	35.741	35.738	6.061	3.7	1.0	0.20				
34	27	99.3	-98.7	13.361	35.745	35.748	5.823	5.5	1.7	0.28				
34	26	203.1	-201.8	12.680	35.737	35.737	5.663	8.0	2.8	0.38	4.49	2.23	0.32	2.23
34	25	299.8	-297.9	12.530	35.714	35.715	5.688	7.8	2.9	0.41				
34	24	399.6	-396.9	12.042	35.636	35.635	5.5	10.7	3.5	0.49				
34	23	501.9	-498.4	11.628	35.589	35.585	5.564	11.2	3.7	0.53				
34	22	601.0	-596.7	11.197	35.539	35.533	5.254	13.4	4.7	0.63	2.98	2.60	0.04	1.29
34	21	700.6	-695.5	10.188	35.408	35.404	4.57	18.0	7.7	0.90				
34	20	701.4	-696.3	10.199	35.408	35.405	4.55	18.0	7.8	0.91				
34	19	851.1	-844.6	8.845	35.334	35.325	4.357	20.7	10.1	1.07	2.87	1.09	0.02	1.29
34	18	901.9	-894.9	8.627	35.369	35.366	4.433	20.3	10.4	0.97				
34	17	1000.2	-992.2	7.822	35.347	35.345	4.602	20.4	10.9	1.05				1.93
34	16	1201.5	-1191.4	5.988	35.179	35.179	5.254	20.1	11.4	1.07	2.95	1.55	0.10	2.32
34	15	1401.0	-1388.6	4.589	35.024	35.028	5.8	19.7	11.3	1.04	4.04	1.80	0.09	3.31
34	14	1599.8	-1584.9	3.788	34.928	34.927	6.215	19.1	11.2	1.01	3.92	1.76	0.14	4.13
34	13	1802.1	-1784.5	3.523	34.917	34.918	6.297	19.0	11.7	0.99	5.22	1.80	0.14	3.50
34	12	1999.9	-1979.4	3.300	34.905	34.903	6.38	18.7	12.1	1.01	3.00	1.58	0.08	3.45
34	11	2249.5	-2225.2	3.094	34.904	34.899	6.434	18.8	12.6	1.01	2.98	2.01	0.09	3.36
34	10	2504.2	-2475.6	2.969	34.921	34.920	6.345	18.4	14.2	1.01				
34	9	2751.5	-2718.6	2.852	34.943	34.940	6.183	19.0	17.9	0.99				
34	8	3002.2	-2964.5	2.705	34.953	34.949	5.875	20.7	31.9	1.17		0.59	-0.03	0.84
34	7	3250.7	-3208.1	2.544	34.944	34.944	5.848	20.8	34.9	1.17				
34	6	3500.3	-3452.5	2.409	34.935	34.934	5.765	22.1	38.4	1.25				
34	5	3749.7	-3696.3	2.290	34.926	34.923	5.649	22.5	43.2	1.30				
34	4	4001.4	-3942.2	2.231	34.920	34.919	5.606	23.5	45.5	1.32	0.35	0.24	-0.02	0.19
34	3	4589.7	-4515.8	2.178	34.918	34.911	5.559	23.8	47.6	1.34	0.48	0.43		0.10

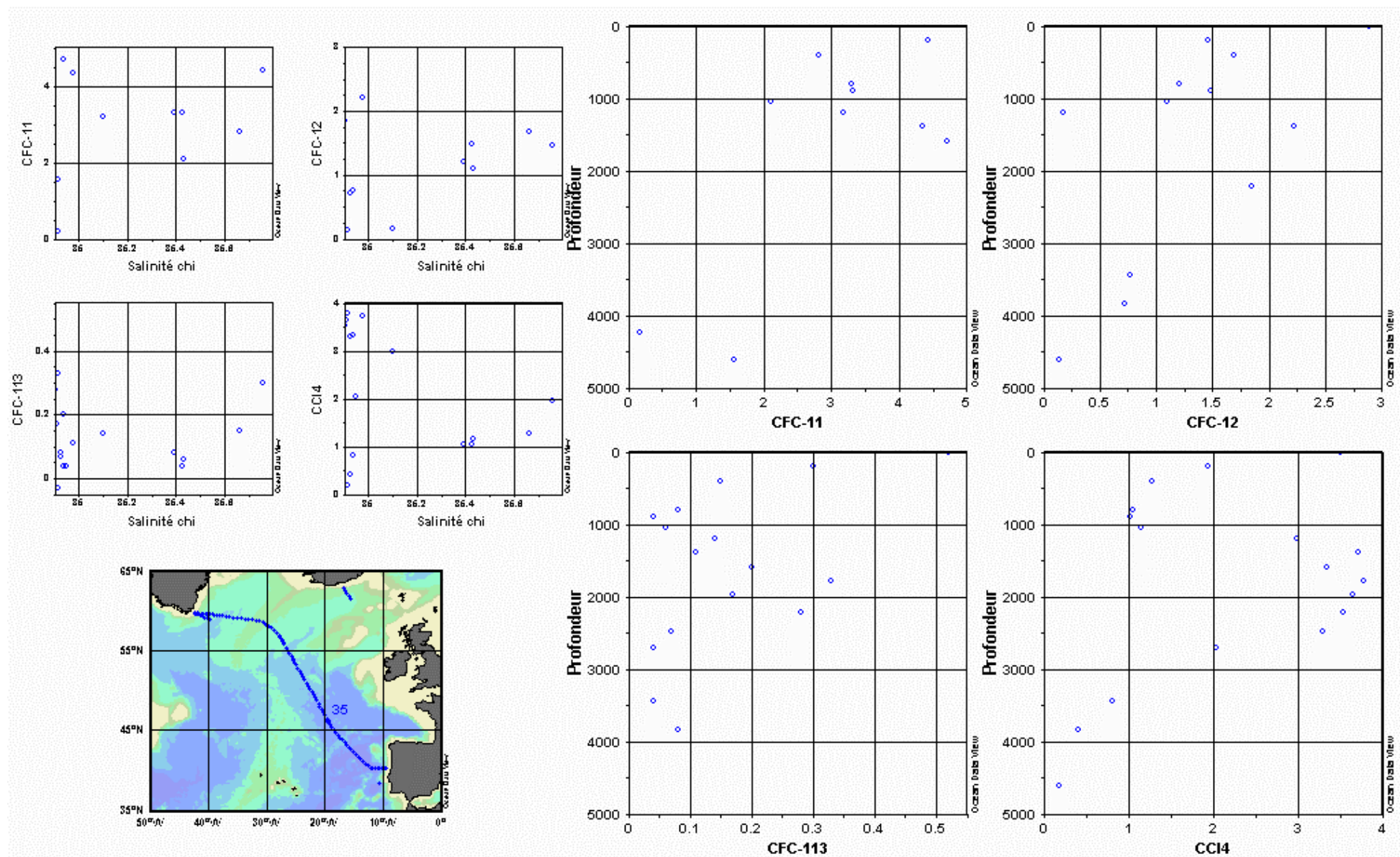




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
35	02/06/2006	21:30:55	46:10:30 N	19:23:25 W	4615m

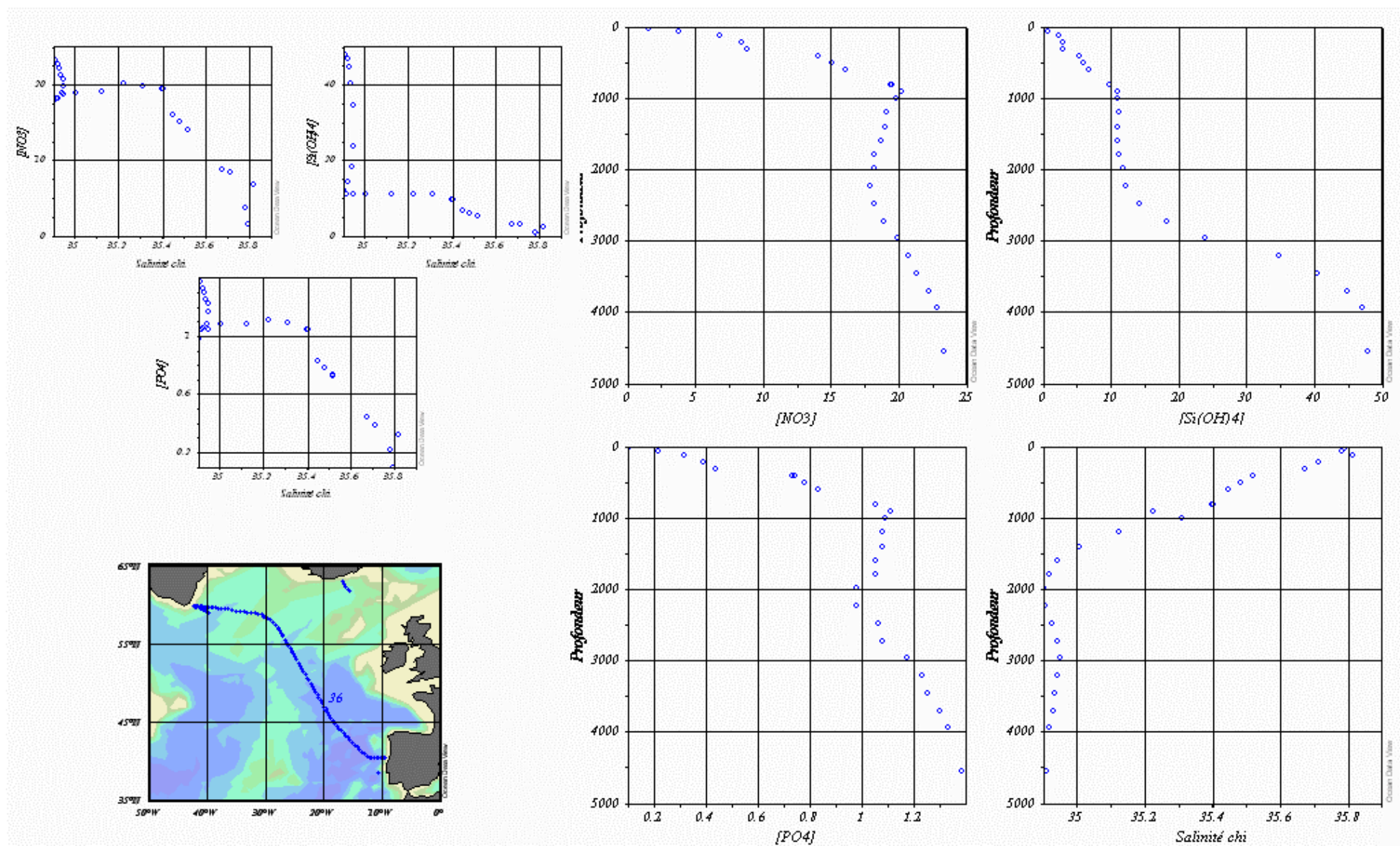
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
35	30	8.5	-8.5	14.493	35.749		6.198					2.88	0.52	3.50
35	29	14.7	-14.6	14.493	35.749	35.751	6.185	2.0	0.3	0.11				
35	28	46.3	-46.0	14.288	35.751	35.754	6.194	2.4	0.3	0.13				
35	27	100.3	-99.7	13.230	35.754	35.758	5.789	5.7	1.6	0.28				
35	26	149.7	-148.8	12.927	35.757	35.757	5.704	7.6	2.5	0.37				
35	25	201.0	-199.7	12.831	35.760	35.759	5.642	7.8	2.5	0.39	4.42	1.46	0.30	1.95
35	24	300.1	-298.2	12.540	35.722	35.721	5.656	8.4	2.7	0.42				
35	23	402.2	-399.5	12.072	35.666	35.667	5.321	10.9	3.4	0.53				
35	22	403.4	-400.7	12.051	35.661	35.661	5.33	10.7	3.4	0.53	2.82	1.69	0.15	1.28
35	21	499.9	-496.4	11.637	35.610	35.608	5.282	11.7	3.8	0.58				
35	20	701.4	-696.3	10.126	35.419	35.422	4.497	17.9	7.8	0.93				
35	19	802.8	-796.7	9.243	35.392	35.391	4.392	19.4	9.3	1.02	3.30	1.20	0.08	1.05
35	18	899.3	-892.3	8.696	35.425	35.424	4.432	19.6	10.1	1.04	3.31	1.48	0.04	1.03
35	17	1047.4	-1038.9	7.864	35.452	35.434	4.676	19.7	10.5	1.04	2.10	1.10	0.06	1.15
35	16	1199.9	-1189.8	5.381	35.098	35.098	5.463	19.6	10.9	1.07	3.18	0.17	0.14	2.99
35	15	1398.6	-1386.2	4.294	34.976	34.978	5.951	18.9	10.6	1.04	4.35	2.22	0.11	3.72
35	14	1600.7	-1585.8	3.826	34.935	34.934	6.166	19.1	10.8	1.04	4.70		0.20	3.34
35	13	1799.1	-1781.5	3.526	34.915	34.916	6.296	18.3	11.0	0.99			0.33	3.79
35	12	2000.1	-1979.6	3.310	34.907	34.907	6.383	18.4	11.3	0.99			0.17	3.65
35	11	2246.6	-2222.3	3.118	34.904	34.905	6.44	18.2	11.8	0.99		1.85	0.28	3.54
35	10	2501.5	-2473.0	2.993	34.922	34.924	6.351	18.3	13.7	1.02			0.07	3.30
35	9	2749.0	-2716.1	2.921	34.947	34.946	6.152	19.0	17.5	1.06			0.04	2.04
35	8	3000.0	-2962.4	2.754	34.953	34.953	5.951	20.3	23.6	1.14				
35	7	3213.3	-3171.5	2.580	34.949	34.948	5.839	20.8	33.8	1.17				
35	6	3498.7	-3450.9	2.410	34.937	34.936	5.793	21.2	37.8	1.20		0.77	0.04	0.81
35	5	3898.0	-3841.2	2.256	34.924	34.925	5.629	22.5	44.5	1.28		0.72	0.08	0.41
35	4	4300.9	-4234.4	2.196	34.918	34.916	5.583	23.4	47.5	1.36	0.18			
35	3	4686.5	-4610.0	2.180	34.918	34.915	5.559	23.2	47.8	1.34	1.56	0.14	-0.03	0.18

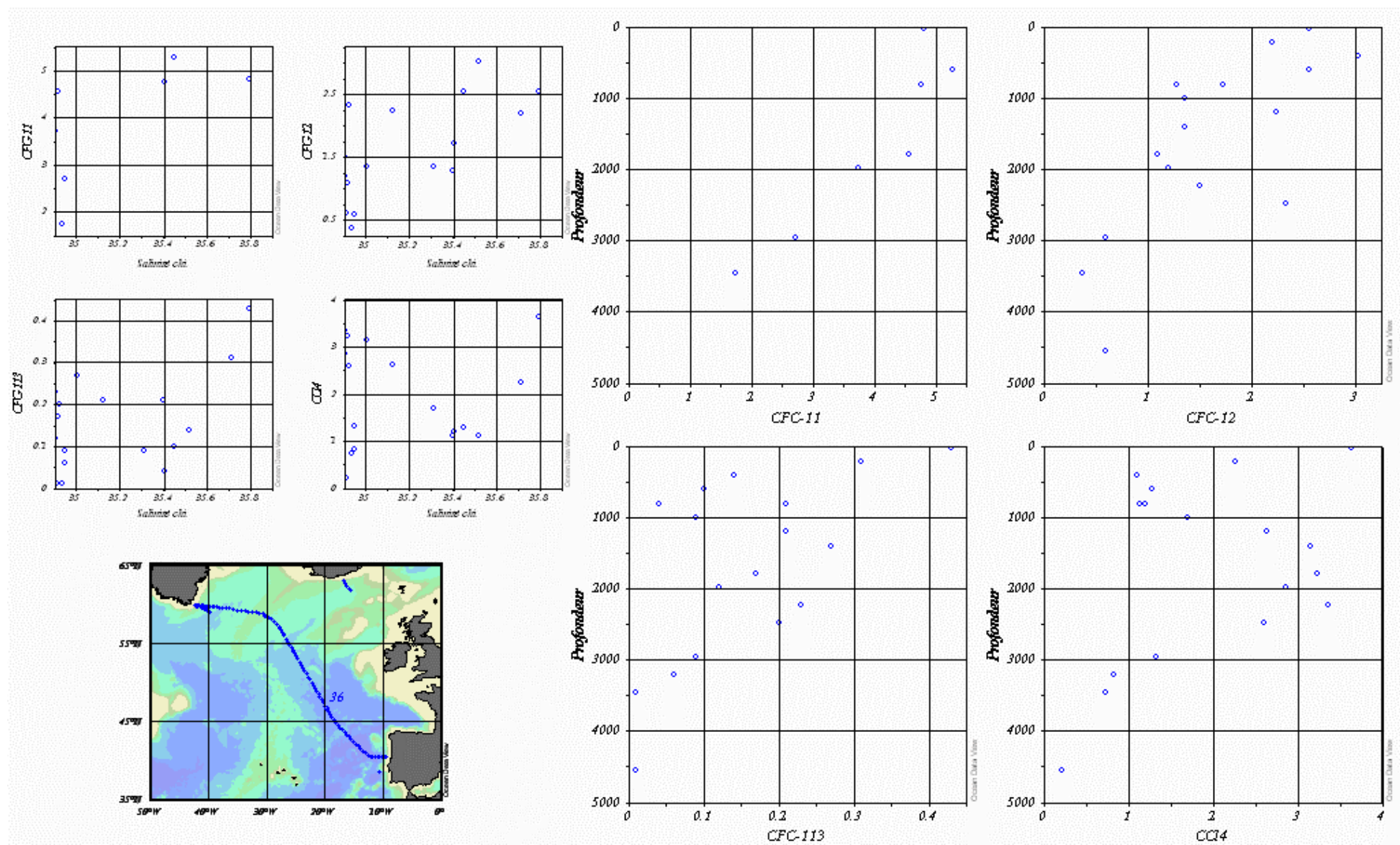




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
36	03/06/2006	03:24:25	46:32:57 N	19:40:43 W	4547m

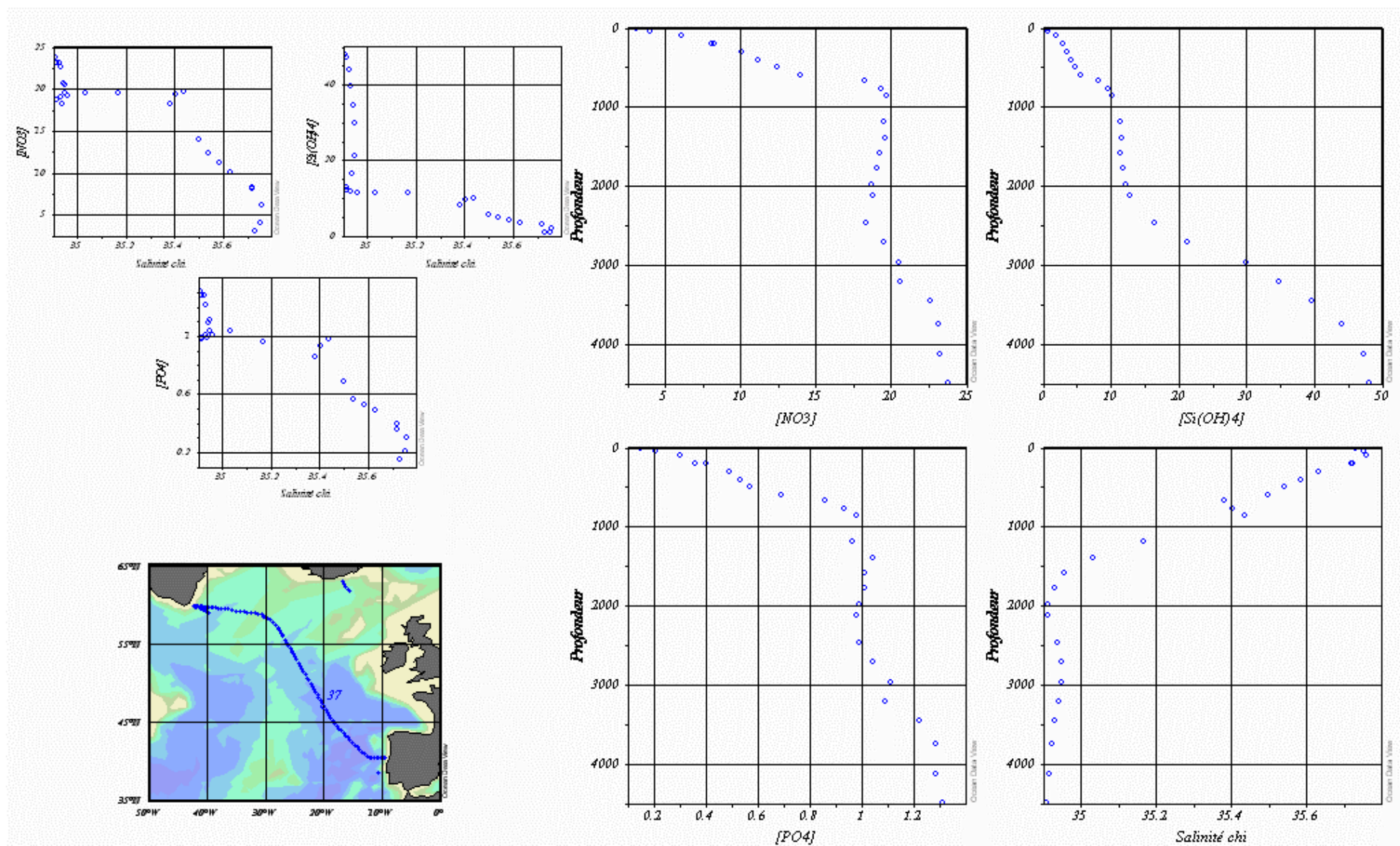
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
36	29	15.8	-15.7	14.711	35.789	35.789	6.102	1.6	0.3	0.10	4.81	2.55	0.43	3.63
36	28	50.3	-50.0	13.819	35.781	35.781	5.857	3.8	0.8	0.22				
36	27	99.2	-98.6	13.331	35.816	35.813	5.687	6.8	2.3	0.32				
36	26	199.2	-198.0	12.667	35.710	35.712	5.628	8.4	2.9	0.39		2.20	0.31	2.26
36	25	298.7	-296.8	12.250	35.671	35.671	5.731	8.8	3.0	0.44				
36	24	399.0	-396.3	11.401	35.524	35.517	4.91	14.1	5.4	0.73				
36	23	399.7	-397.0	11.339	35.513	35.517	4.903	14.1	5.4	0.74		3.02	0.14	1.11
36	22	497.1	-493.7	10.959	35.485	35.481	4.863	15.1	6.0	0.78				
36	21	598.6	-594.3	10.485	35.449	35.448	4.713	16.1	6.8	0.83	5.27	2.55	0.10	1.28
36	20	800.8	-794.8	9.131	35.397	35.400	4.345	19.4	9.7	1.05	4.75	1.72	0.04	1.20
36	19	800.6	-794.6	9.156	35.411	35.398	4.35	19.5	9.7	1.05		1.28	0.21	1.13
36	18	899.0	-892.0	7.546	35.229	35.223	4.618	20.2	11.0	1.11				
36	17	999.2	-991.2	7.296	35.318	35.310	4.783	19.8	10.9	1.09		1.35	0.09	1.70
36	16	1198.2	-1188.1	5.491	35.122	35.122	5.429	19.1	11.1	1.08		2.23	0.21	2.63
36	15	1397.8	-1385.4	4.434	35.008	35.005	5.887	19.0	11.0	1.08		1.35	0.27	3.15
36	14	1598.5	-1583.6	3.824	34.944	34.944	6.147	18.7	11.0	1.05				
36	13	1798.0	-1780.4	3.494	34.915	34.917	6.527	18.2	11.2	1.05	4.55	1.09	0.17	3.23
36	12	1999.1	-1978.6	3.275	34.905	34.904	6.398	18.2	11.7	0.98	3.73	1.20	0.12	2.86
36	11	2248.4	-2224.1	3.080	34.906	34.905	6.458	17.9	12.2	0.98		1.50	0.23	3.36
36	10	2500.0	-2471.5	2.983	34.926	34.925	6.335	18.2	14.2	1.06		2.33	0.20	2.60
36	9	2747.2	-2714.3	2.860	34.946	34.943	6.148	18.9	18.3	1.08				
36	8	2998.0	-2960.4	2.687	34.951	34.950	5.961	19.9	23.9	1.17	2.71	0.59	0.09	1.33
36	7	3248.0	-3205.4	2.534	34.945	34.944	5.832	20.7	34.7	1.23			0.06	0.83
36	6	3498.4	-3450.6	2.389	34.935	34.933	5.748	21.3	40.4	1.25	1.74	0.38	0.01	0.73
36	5	3747.3	-3694.0	2.282	34.927	34.930	5.66	22.2	44.8	1.30				
36	4	3997.9	-3938.8	2.221	34.921	34.919	5.608	22.8	47.0	1.33				
36	3	4615.8	-4541.2	2.139	34.914	34.912	5.574	23.3	47.9	1.38		0.60	0.01	0.21

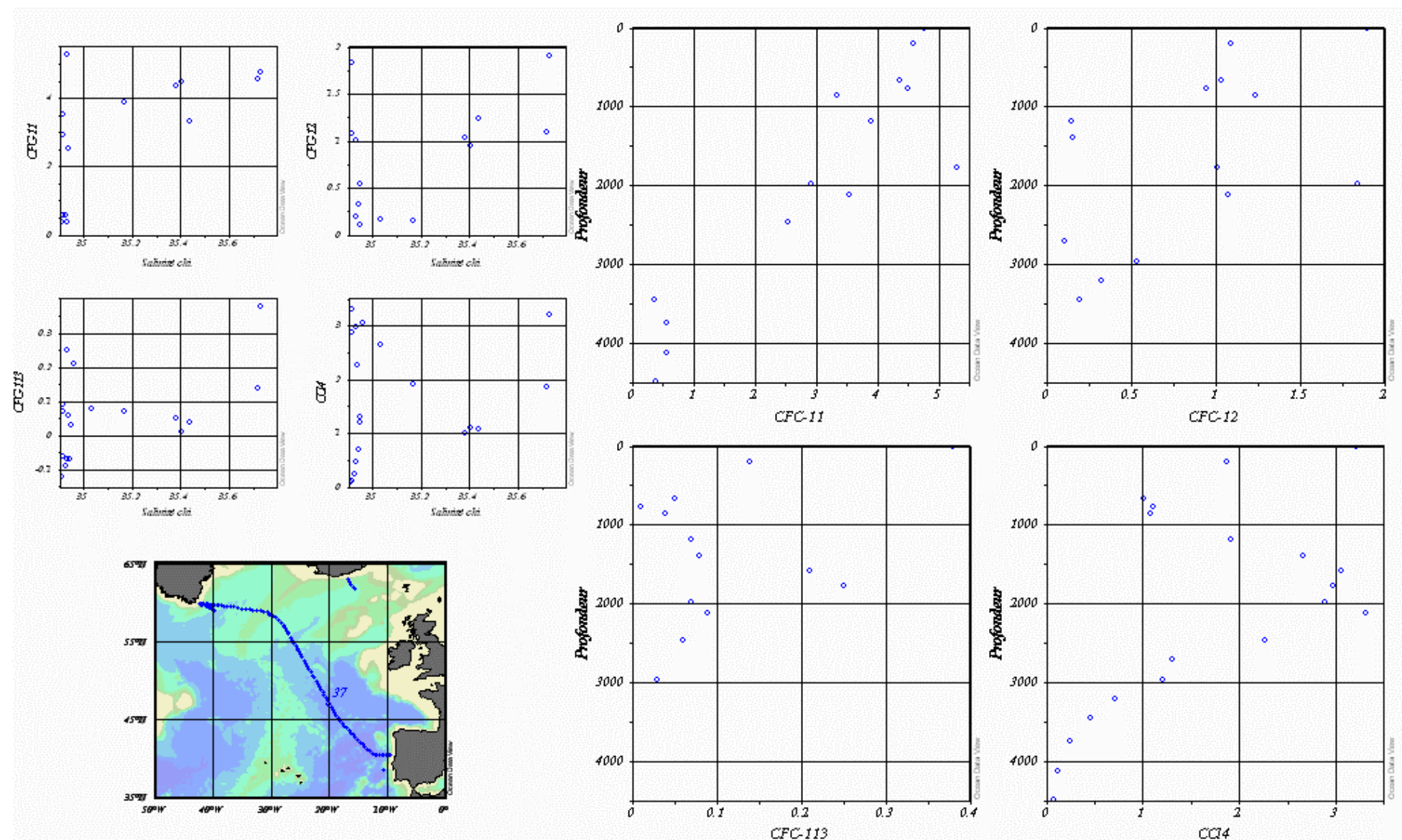




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
37	03/06/2006	09:09:59	46:54:98 N	19:58:22 W	4494m

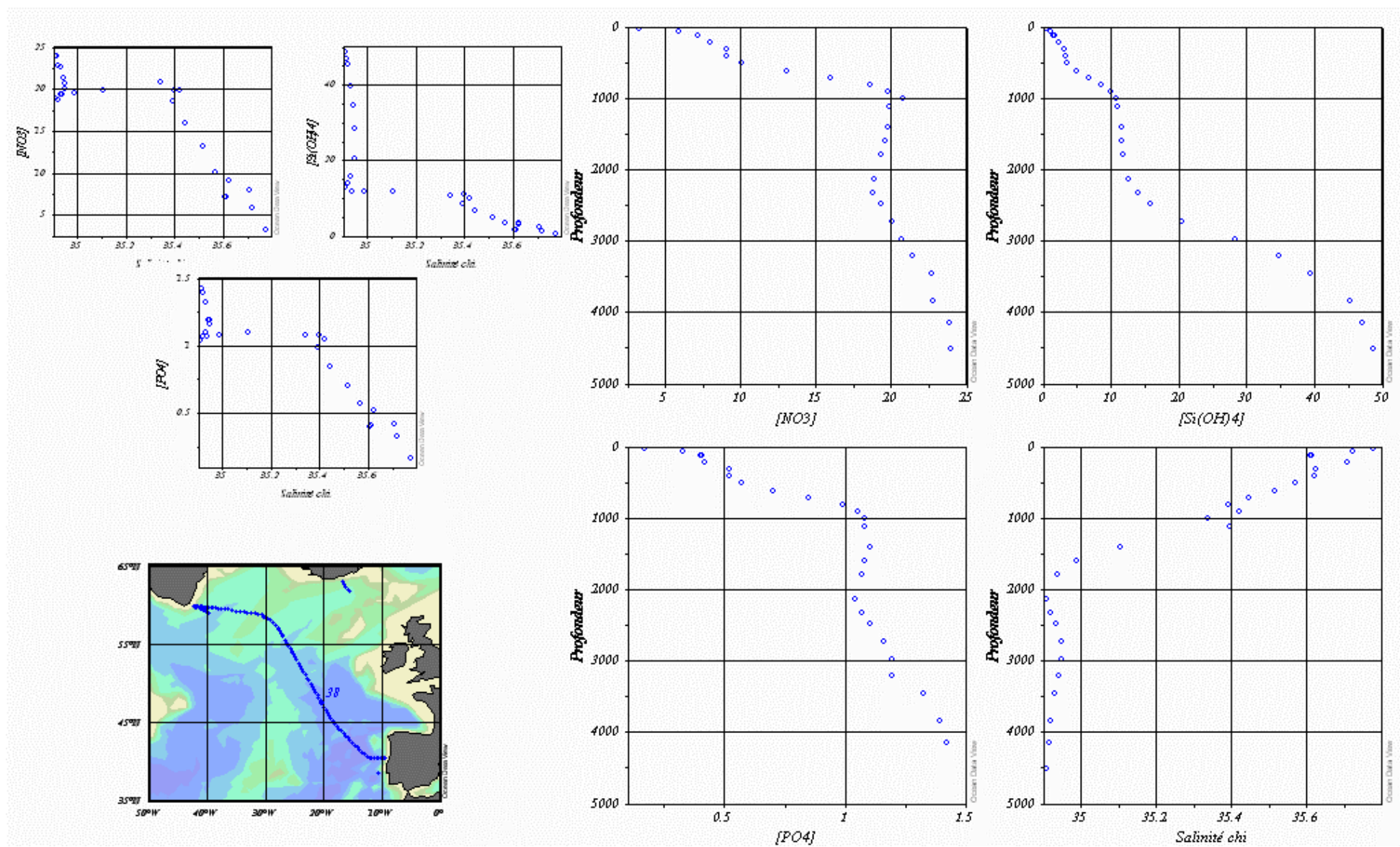
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
37	29	9.7	-9.6	14.164	35.729	35.729	6.111	3.1	0.8	0.15	4.75	1.90	0.38	3.21
37	28	51.0	-50.7	13.646	35.749	35.750	6.086	4.0	0.8	0.21				
37	27	101.6	-101.0	13.218	35.767	35.760	5.803	6.1	2.0	0.30				
37	26	200.0	-198.8	12.607	35.721	35.721	5.69	8.1	3.0	0.36				
37	25	200.1	-198.9	12.606	35.720	35.719	5.692	8.3	3.0	0.40	4.57	1.09	0.14	1.87
37	24	299.6	-297.7	12.084	35.632	35.630	5.551	10.1	3.6	0.49				
37	23	402.0	-399.3	11.650	35.589	35.585	5.443	11.2	4.1	0.53				
37	22	500.7	-497.2	11.250	35.542	35.539	5.361	12.4	4.8	0.57				
37	21	600.3	-596.0	10.782	35.502	35.498	5.216	14.0	5.5	0.69				
37	20	679.0	-674.1	9.908	35.383	35.382	4.604	18.2	8.1	0.86	4.36	1.04	0.05	1.01
37	19	781.6	-775.7	9.385	35.402	35.403	4.42	19.3	9.5	0.93	4.48	0.95	0.01	1.11
37	18	865.9	-859.2	8.947	35.438	35.437	4.398	19.7	10.1	0.98	3.34	1.24	0.04	1.08
37	16	1200.0	-1189.9	5.875	35.173	35.167	5.293	19.5	11.4	0.96	3.90	0.15	0.07	1.91
37	15	1399.9	-1387.5	4.658	35.035	35.034	5.762	19.6	11.5	1.04		0.16	0.08	2.66
37	14	1599.9	-1585.0	3.951	34.958	34.958	6.087	19.2	11.4	1.01			0.21	3.05
37	13	1798.6	-1781.0	3.612	34.933	34.932	6.245	19.1	11.7	1.01	5.28	1.01	0.25	2.97
37	12	1999.2	-1978.7	3.308	34.914	34.913	6.408	18.7	12.1	0.99	2.91	1.84	0.07	2.89
37	11	2150.9	-2128.1	3.175	34.915	34.912	6.378	18.8	12.8	0.98	3.53	1.08	0.09	3.31
37	10	2500.7	-2472.2	2.979	34.939	34.938	6.223	18.3	16.4	0.99	2.53		0.06	2.26
37	9	2740.0	-2707.3	2.836	34.951	34.948	6.038	19.5	21.2	1.04		0.11		1.31
37	8	2998.9	-2961.3	2.648	34.951	34.948	5.93	20.5	30.0	1.11		0.54	0.03	1.21
37	7	3249.6	-3207.0	2.497	34.944	34.941	5.827	20.6	34.7	1.09		0.33	-0.07	0.71
37	6	3499.9	-3452.1	2.367	34.934	34.931	5.713	22.6	39.7	1.22	0.36	0.20	-0.07	0.46
37	5	3801.0	-3746.5	2.241	34.924	34.924	5.626	23.1	44.1	1.28	0.56		-0.09	0.25
37	4	4198.2	-4134.3	2.180	34.916	34.915	5.576	23.2	47.3	1.28	0.56		-0.06	0.12
37	3	4569.4	-4496.0	2.147	34.914	34.910	5.563	23.8	48.0	1.31	0.38		-0.12	0.08

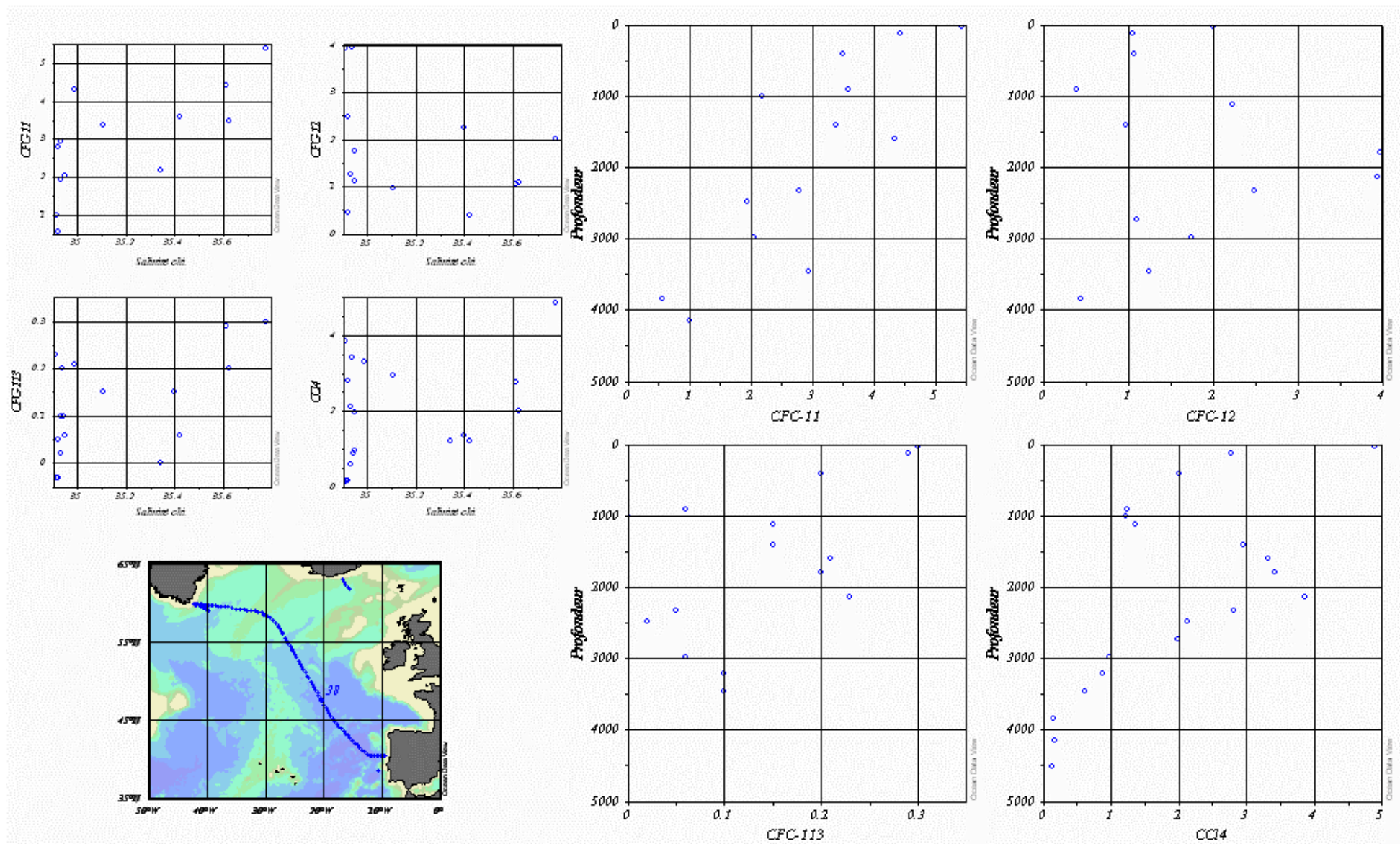




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
38	03/06/2006	17:59:05	47:17:55 N	20:15:68 W	4511m

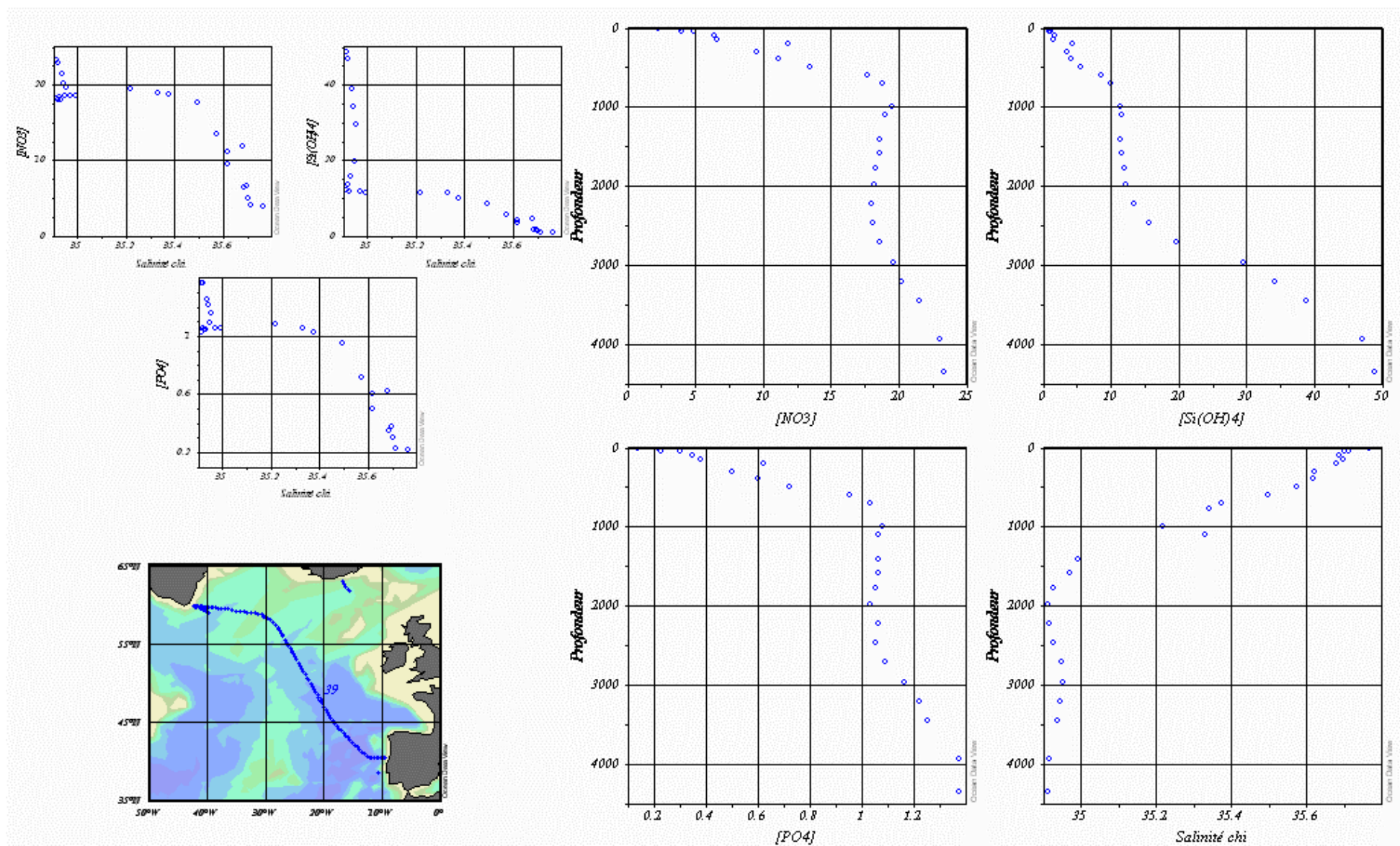
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
38	29	17.9	-17.8	14.295	35.772	35.777	6.098	3.3	0.6	0.17	5.42	2.01	0.30	4.88
38	28	50.5	-50.2	13.238	35.728	35.721	5.882	5.9	1.2	0.33				
38	27	100.8	-100.2	12.388	35.586	35.608	5.829	7.2	1.6	0.40				
38	26	100.7	-100.1	12.391	35.589	35.614	5.82	7.2	1.7	0.41	4.43	1.06	0.29	2.78
38	25	200.0	-198.8	12.561	35.710	35.709	5.747	8.0	2.4	0.42				
38	24	300.2	-298.3	12.001	35.623	35.623	5.64	9.1	3.2	0.52				
38	23	401.0	-398.3	11.870	35.625	35.622	5.803	9.1	3.3	0.52	3.50	1.08	0.20	2.01
38	22	500.8	-497.3	11.521	35.575	35.569	5.689	10.1	3.5	0.57				
38	21	600.5	-596.2	11.021	35.517	35.516	5.259	13.1	5.0	0.70				
38	20	700.8	-695.7	10.407	35.445	35.445	4.976	16.0	6.7	0.85				
38	19	801.3	-795.2	9.670	35.397	35.393	4.607	18.6	8.5	0.99				
38	18	900.1	-893.1	9.092	35.422	35.421	4.448	19.8	9.9	1.05	3.59	0.40	0.06	1.23
38	17	1000.3	-992.3	8.042	35.341	35.339	4.544	20.8	10.8	1.08	2.19		0.00	1.21
38	16	1121.7	-1112.4	7.544	35.394	35.397	4.745	19.9	11.0	1.08		2.24	0.15	1.37
38	15	1400.8	-1388.4	5.172	35.102	35.104	5.544	19.8	11.6	1.10	3.38	0.97	0.15	2.95
38	14	1600.5	-1585.6	4.183	34.987	34.988	6.134	19.6	11.6	1.08	4.33		0.21	3.32
38	13	1800.8	-1783.2	3.665	34.938	34.938	6.195	19.3	11.7	1.07		3.97	0.20	3.42
38	12	2151.0	-2128.2	3.193	34.912	34.910	6.378	18.9	12.7	1.04		3.94	0.23	3.86
38	11	2349.8	-2323.8	3.069	34.924	34.921	6.335	18.8	14.0	1.07	2.79	2.49	0.05	2.82
38	10	2501.8	-2473.3	2.990	34.935	34.933	6.253	19.3	15.9	1.10	1.94		0.02	2.12
38	9	2749.8	-2716.9	2.844	34.949	34.948	6.075	20.1	20.4	1.16		1.11		1.99
38	8	3000.5	-2962.9	2.674	34.950	34.950	5.937	20.7	28.3	1.19	2.05	1.75	0.06	0.97
38	7	3250.6	-3208.0	2.496	34.944	34.941	5.827	21.4	34.7	1.19			0.10	0.87
38	6	3500.1	-3452.3	2.360	34.934	34.931	5.711	22.7	39.5	1.32	2.93	1.25	0.10	0.61
38	5	3901.1	-3844.3	2.215	34.921	34.921	5.593	22.8	45.3	1.39	0.57	0.44	-0.03	0.16
38	4	4199.3	-4135.3	2.179	34.917	34.915	5.567	23.9	47.0	1.42	1.00		-0.03	0.18
38	3	4589.0	-4515.1	2.135	34.913	34.909	5.569	24.0	48.6					0.13

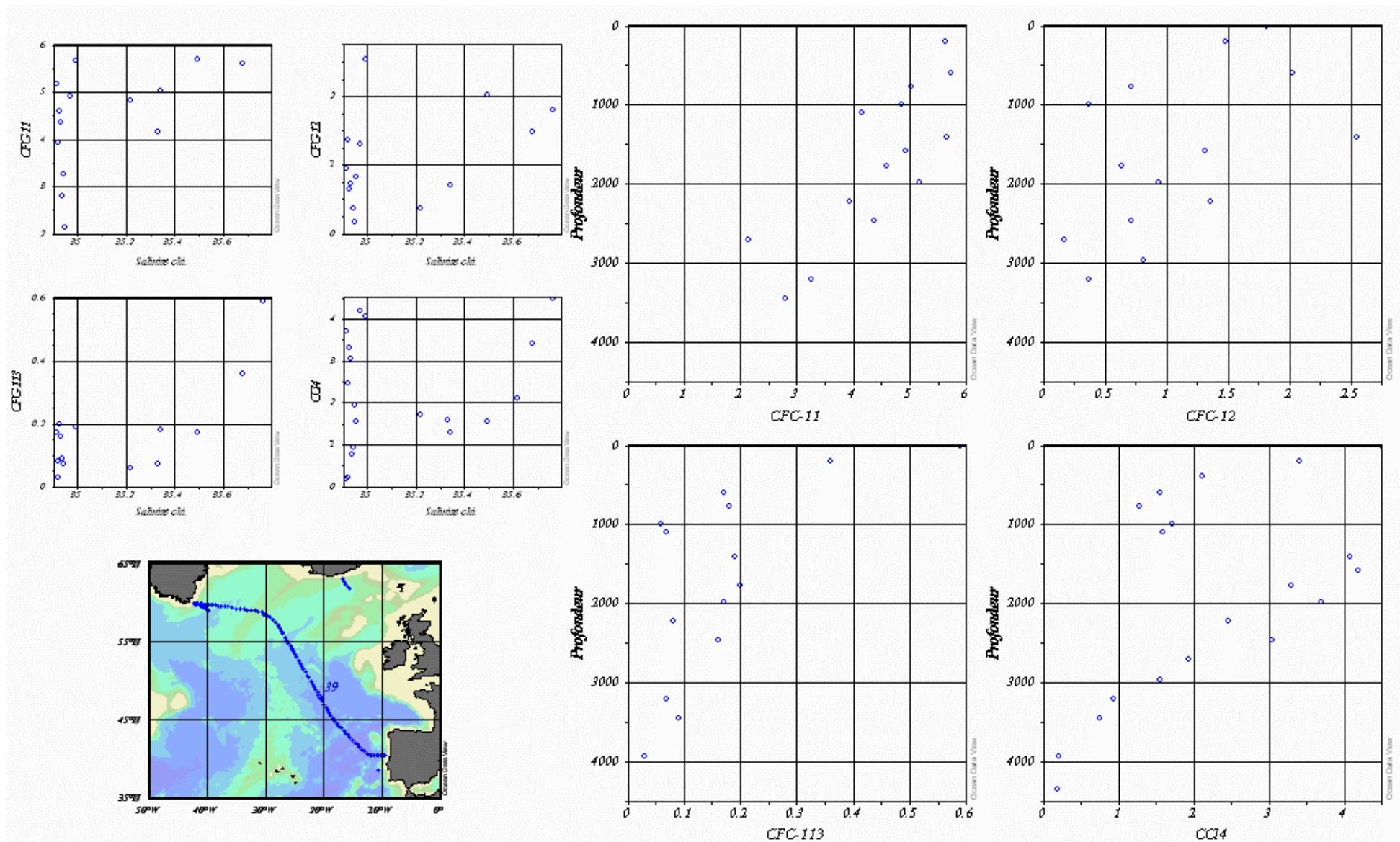




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
39	03/06/2006	23:37:03	47:39:90 N	20:33:33 W	4346m

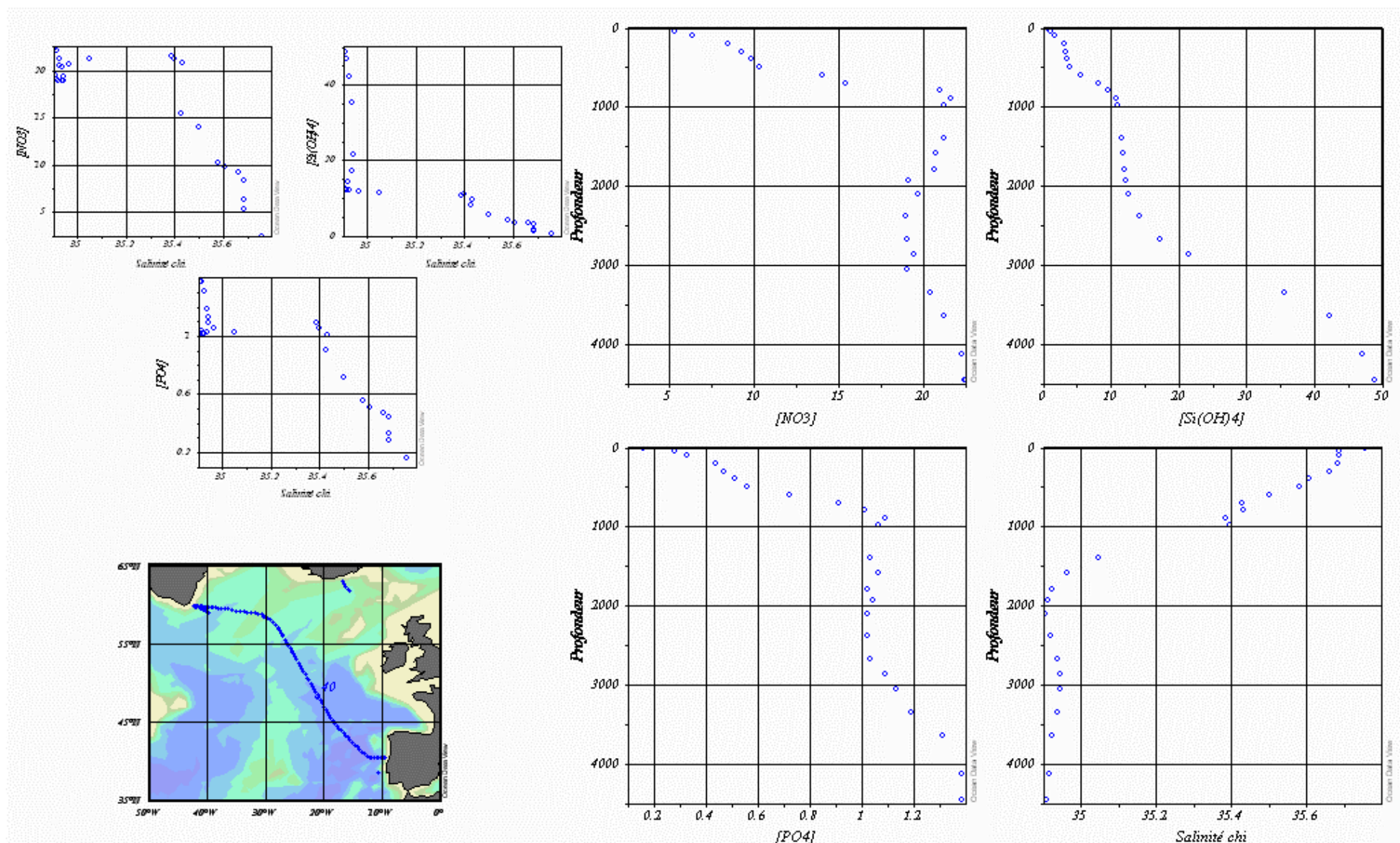
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
39	30	8.4	-8.4	14.545	35.765		6.126	2.3	0.8	0.14				
39	29	8.5	-8.5	14.546	35.765	35.765	6.125	3.9	0.9	0.22		1.81	0.59	4.49
39	28	50.6	-50.3	13.770	35.723	35.712	6.087	4.0	0.9	0.23				
39	27	50.8	-50.5	13.679	35.708	35.701	6.099	4.9	1.1	0.30				
39	26	100.1	-99.5	13.047	35.684	35.684	5.977	6.4	1.7	0.35				
39	25	150.7	-149.8	12.702	35.696	35.696	5.912	6.6	1.6	0.38				
39	24	197.5	-196.3	12.418	35.677	35.678	5.948	11.8	4.4	0.62	5.62	1.48	0.36	3.41
39	23	298.9	-297.0	11.988	35.623	35.620	5.12	9.5	3.5	0.50				
39	22	400.6	-397.9	11.788	35.618	35.618	5.677	11.1	4.2	0.60				2.11
39	21	498.9	-495.5	11.453	35.575	35.572	5.467	13.5	5.6	0.72				
39	20	599.5	-595.2	10.883	35.499	35.496	5.178	17.7	8.6	0.95	5.71	2.02	0.17	1.55
39	19	699.5	-694.4	9.951	35.372	35.375	4.499	18.8	9.9	1.03				
39	18	780.5	-774.6	9.257	35.331	35.340	4.365				5.03	0.71	0.18	1.28
39	16	999.9	-991.9	7.045	35.215	35.217	4.852	19.5	11.3	1.08	4.84	0.37	0.06	1.72
39	15	1108.3	-1099.2	7.011	35.336	35.331	4.936	19.0	11.5	1.06	4.15		0.07	1.58
39	14	1419.3	-1406.7	4.405	34.997	34.992	5.934	18.6	11.4	1.06	5.66	2.54	0.19	4.07
39	13	1599.6	-1584.7	4.020	34.967	34.970	6.062	18.6	11.6	1.06	4.92	1.31		4.19
39	12	1797.5	-1779.9	3.588	34.927	34.926	6.274	18.3	11.9	1.05	4.59	0.64	0.20	3.30
39	11	1997.2	-1976.8	3.335	34.912	34.912	6.369	18.2	12.2	1.03	5.16	0.94	0.17	3.69
39	10	2249.1	-2224.8	3.147	34.917	34.918	6.37	18.0	13.5	1.06	3.93	1.36	0.08	2.45
39	9	2500.7	-2472.2	2.985	34.928	34.929	6.296	18.1	15.6	1.05	4.37	0.72	0.16	3.04
39	8	2749.9	-2717.0	2.863	34.945	34.948	6.136	18.6	19.7	1.09	2.13	0.17		1.94
39	7	2999.2	-2961.6	2.692	34.951	34.951	5.964	19.6	29.5	1.16		0.82		1.55
39	6	3248.1	-3205.5	2.522	34.941	34.944	5.87	20.2	34.2	1.22	3.25	0.37	0.07	0.93
39	5	3500.0	-3452.2	2.394	34.935	34.937	5.766	21.5	38.8	1.25	2.79		0.09	0.76
39	4	3999.2	-3940.1	2.196	34.915	34.917	5.619	23.0	47.1	1.37			0.03	0.20
39	3	4423.6	-4354.0	2.143	34.908	34.912	5.592	23.3	48.9	1.37				0.19

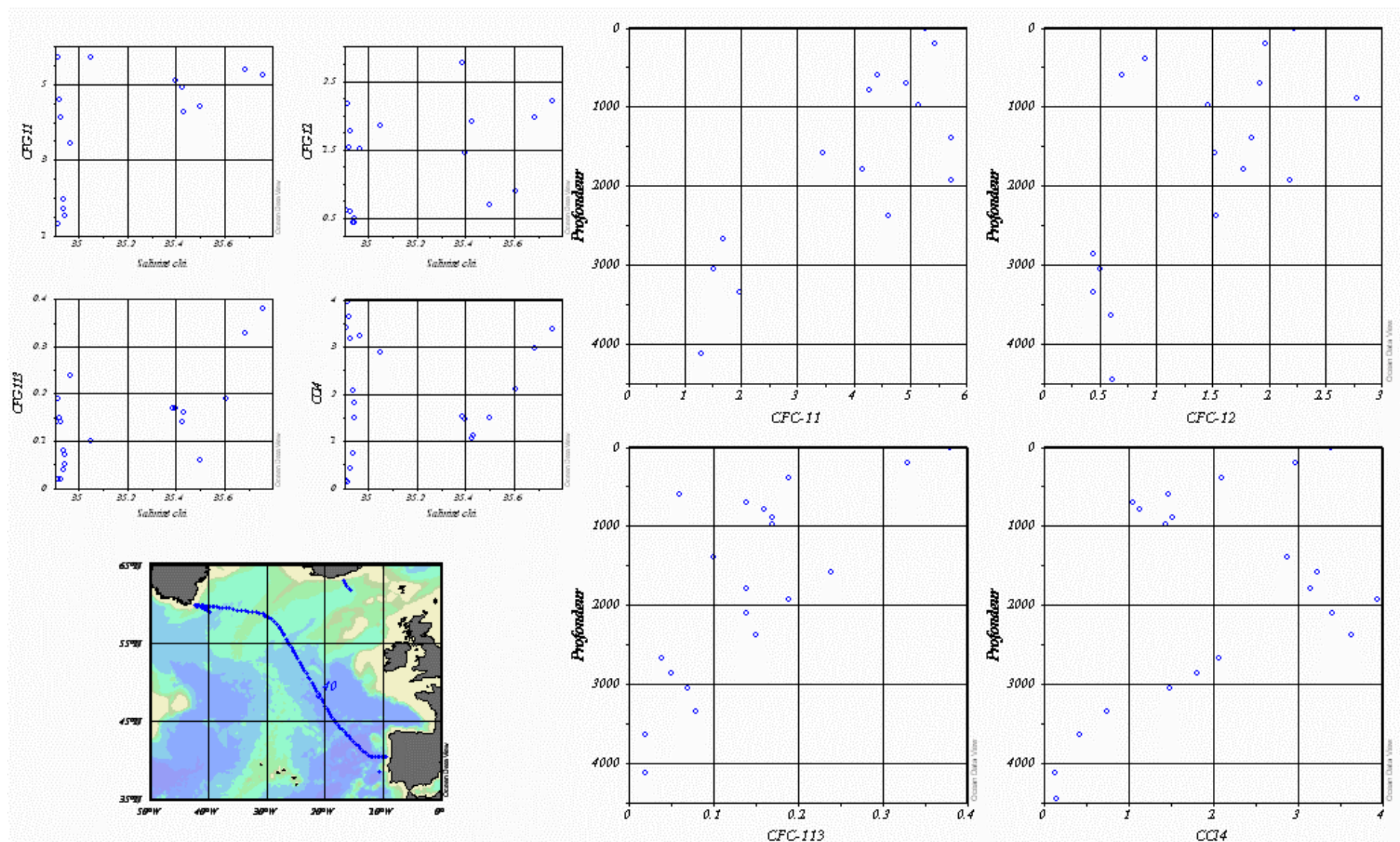




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
40	04/06/2006	05:08:39	48:02:31 N	20:51:05 W	4453m

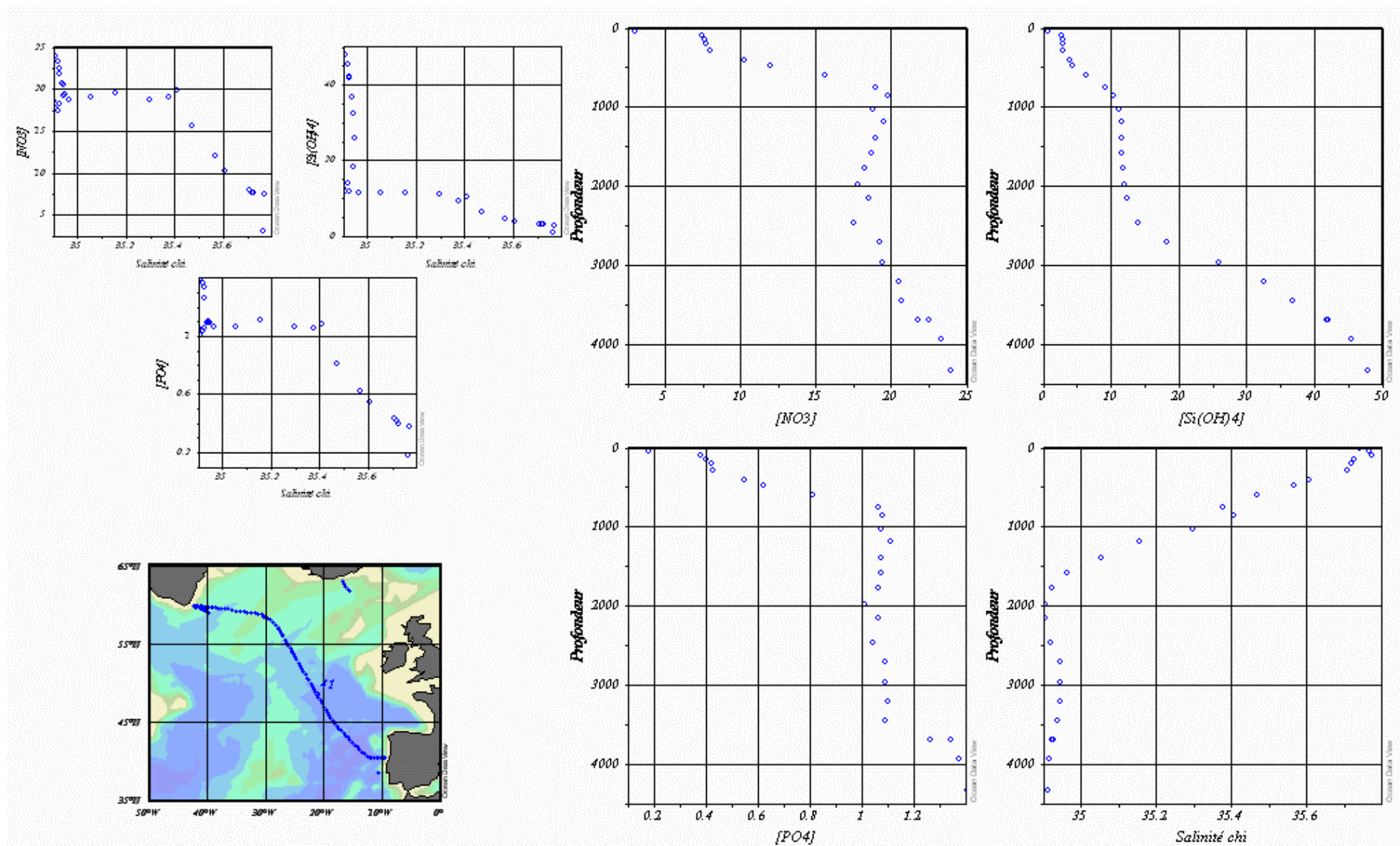
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
40	29	13.3	-13.2	14.369	35.753	35.755	6.086	2.5	0.7	0.16	5.27	2.22	0.38	3.39
40	28	48.5	-48.2	13.026	35.682	35.684		5.3	1.2	0.28				
40	27	100.6	-100.0	12.789	35.689	35.686	5.902	6.3	1.7	0.33				
40	26	200.6	-199.4	12.205	35.669	35.683	5.776	8.4	3.1	0.44	5.42	1.97	0.33	2.98
40	25	299.8	-297.9	12.091	35.661	35.662	5.733	9.2	3.3	0.47				
40	24	400.6	-397.9	11.710	35.609	35.606	5.676	9.8	3.6	0.51		0.90	0.19	2.11
40	23	500.3	-496.8	11.398	35.575	35.580	5.568	10.3	4.0	0.56				
40	22	601.0	-596.7	10.877	35.503	35.501	5.202	14.0	5.5	0.72	4.41	0.70	0.06	1.48
40	21	700.1	-695.0	10.125	35.427	35.428	4.568	15.4	8.1	0.91	4.92	1.92	0.14	1.05
40	20	800.5	-794.5	9.433	35.436	35.432	4.409	20.9	9.6	1.01	4.28		0.16	1.13
40	19	900.5	-893.5	8.427	35.385	35.384	4.503	21.6	10.7	1.09		2.78	0.17	1.53
40	18	980.3	-972.5	8.068	35.397	35.397	4.577	21.2	11.0	1.06	5.13	1.46	0.17	1.45
40	16	1400.4	-1388.0	4.668	35.038	35.047	5.757	21.2	11.5	1.03	5.73	1.85	0.10	2.88
40	15	1600.3	-1585.4	3.970	34.961	34.964	6.077	20.7	11.7	1.06	3.45	1.52	0.24	3.23
40	14	1800.6	-1783.0	3.572	34.925	34.925	6.249	20.6	12.0	1.02	4.15	1.77	0.14	3.16
40	13	1950.7	-1930.9	3.365	34.912	34.914	6.338	19.1	12.1	1.04	5.73	2.18	0.19	3.95
40	12	2124.6	-2102.2	3.200	34.906	34.907	6.404	19.6	12.5	1.02			0.14	3.41
40	11	2400.9	-2374.1	3.026	34.919	34.920	6.353	18.9	14.2	1.02	4.61	1.53	0.15	3.64
40	10	2700.5	-2668.5	2.864	34.937	34.937	6.228	19.0	17.2	1.03	1.69		0.04	2.07
40	9	2900.3	-2864.6	2.725	34.946	34.945	6.09	19.4	21.4	1.09		0.44	0.05	1.81
40	8	3099.6	-3060.0	2.593	34.946	34.945	5.974	19.0		1.13	1.52	0.50	0.07	1.49
40	7	3400.4	-3354.7	2.433	34.939	34.938	5.811	20.4	35.5	1.19	1.97	0.44	0.08	0.75
40	6	3699.8	-3647.6	2.299	34.928	34.925	5.662	21.2	42.2	1.31		0.60	0.02	0.42
40	5	4199.6	-4135.6	2.177	34.916	34.915	5.569	22.2	47.1	1.38	1.29		0.02	0.13
40	4	4528.1	-4455.8	2.142	34.911	34.910	5.554	22.4	48.9	1.38				
40	3	4527.7	-4455.4	2.142	34.912	34.910	5.539	22.5	48.8	1.38		0.61		0.15

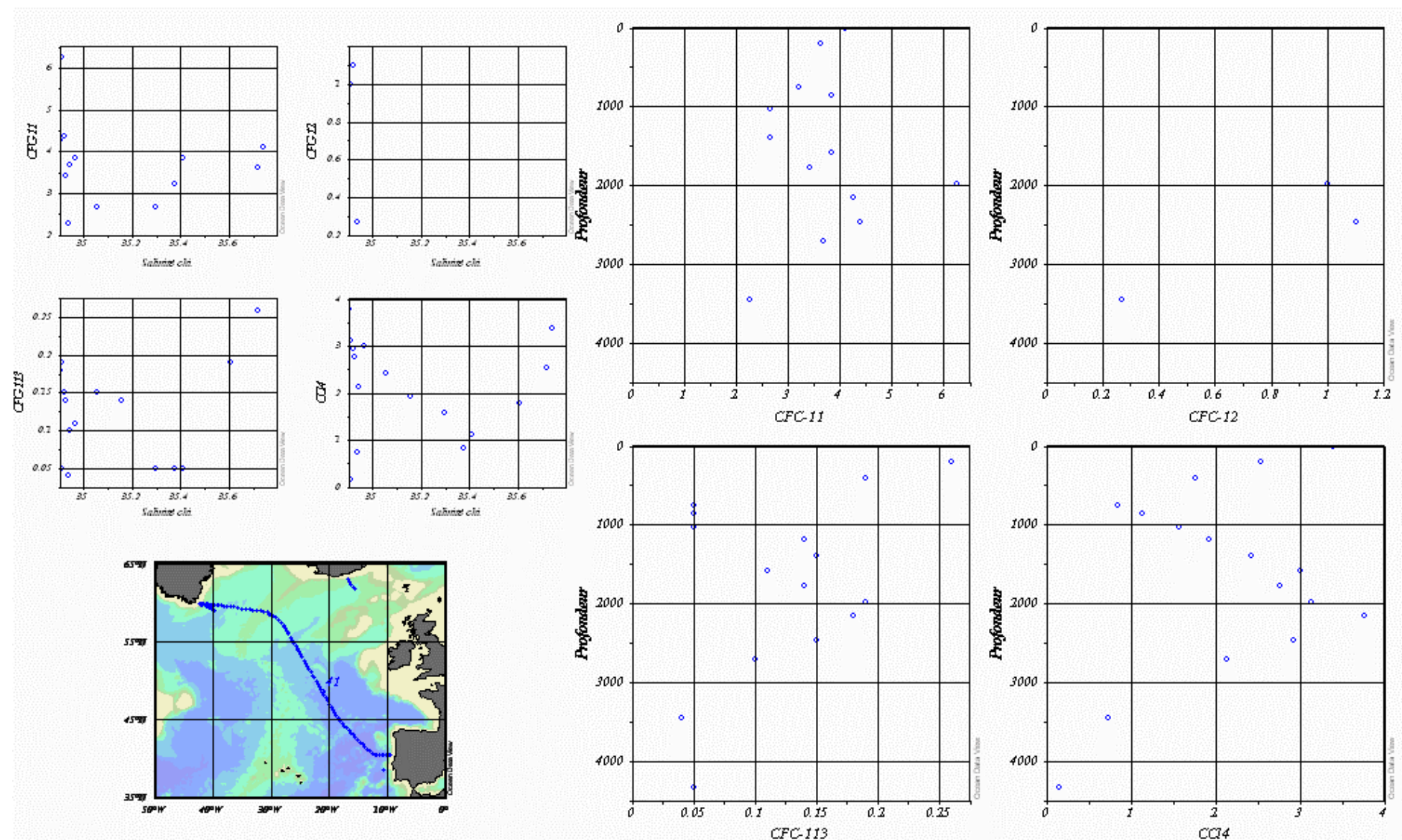




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
41	04/06/2006	11:58:50	48:24:73 N	21:08:44 W	4330m

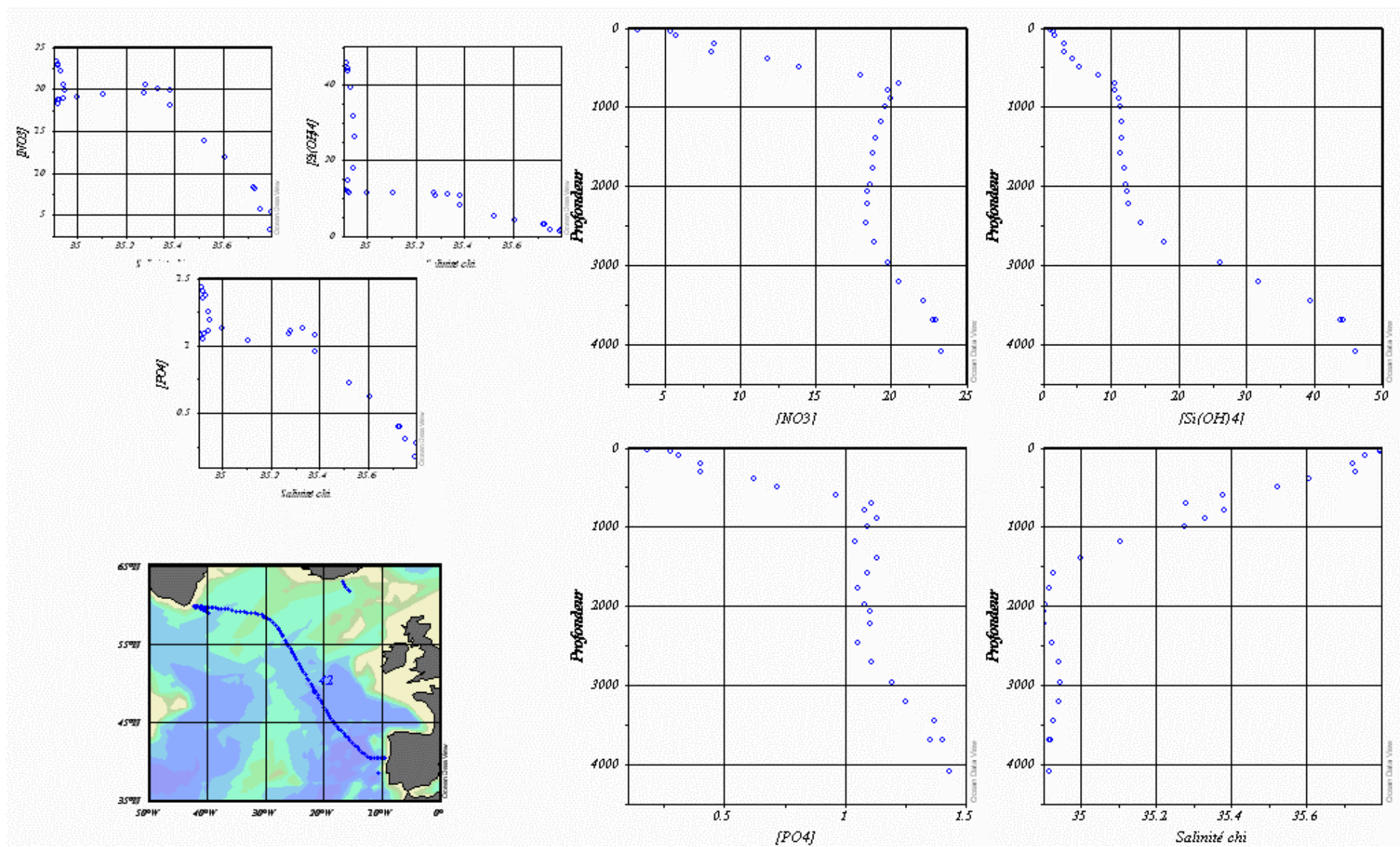
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
41	29	9.8	-9.7	14.344	35.738	35.741	6.164				4.107			3.39
41	28	50.7	-50.4	13.546	35.765	35.765	5.959	3.0	0.8	0.18				
41	27	101.8	-101.2	13.123	35.771	35.771	5.711	7.4	2.7	0.38				
41	26	150.8	-149.9	12.794	35.731	35.725	5.75	7.6	2.9	0.40				
41	25	200.7	-199.4	12.654	35.717	35.718	5.728	7.7	3.0	0.42	3.63		0.26	2.54
41	24	279.7	-277.9	12.555	35.712	35.709	5.652	8.0	3.0	0.43				
41	23	402.0	-399.3	11.843	35.609	35.605	5.397	10.3	3.9	0.55			0.19	1.77
41	22	479.1	-475.8	11.504	35.568	35.567	5.3	12.0	4.4	0.62				
41	21	599.4	-595.1	10.797	35.478	35.469	4.865	15.6	6.3	0.81				
41	20	751.4	-745.8	9.572	35.375	35.378	4.41	19.0	9.2	1.06	3.22		0.05	0.84
41	19	858.9	-852.3	8.802	35.417	35.407	4.417	19.8	10.4	1.08	3.85		0.05	1.13
41	18	1040.9	-1032.5	7.150	35.297	35.297	4.831	18.8	11.2	1.07	2.67		0.05	1.58
41	17	1199.6	-1189.5	5.792	35.156	35.155	5.298	19.5	11.5	1.11			0.14	1.93
41	16	1399.8	-1387.4	4.738	35.048	35.053	5.754	19.0	11.5	1.07	2.66		0.15	2.42
41	15	1597.3	-1582.4	3.955	34.962	34.962	6.083	18.7	11.5	1.07	3.83		0.11	3.01
41	14	1799.0	-1781.4	3.550	34.925	34.924	6.277	18.2	11.7	1.06	3.41		0.14	2.77
41	13	2000.2	-1979.7	3.298	34.908	34.907	6.389	17.8	11.9	1.01	6.25	1.00	0.19	3.13
41	12	2179.4	-2156.2	3.165	34.906	34.904	6.435	18.5	12.4	1.06	4.26		0.18	3.77
41	11	2501.4	-2472.9	2.984	34.921	34.920	6.374	17.5	14.1	1.04	4.38	1.10	0.15	2.93
41	10	2746.4	-2713.5	2.892	34.945	34.944	6.179	19.2	18.3	1.09	3.69		0.10	2.14
41	9	3000.1	-2962.5	2.712	34.947	34.946	6.048	19.4	26.0	1.09				
41	8	3248.5	-3205.9	2.557	34.944	34.945	5.898	20.5	32.5	1.10				
41	7	3497.1	-3449.3	2.427	34.938	34.937	5.8	20.7	36.7	1.09	2.28	0.27	0.04	0.74
41	6	3747.9	-3694.6	2.308	34.929	34.925	5.682	21.8	42.1	1.26				
41	5	3749.4	-3696.0	2.307	34.928	34.928	5.688	22.5	41.8	1.34				
41	4	3997.1	-3938.0	2.230	34.921	34.918	5.625	23.3	45.4	1.37				
41	3	4404.4	-4335.3	2.153	34.915	34.911	5.573	24.0	47.9	1.40			0.05	0.16

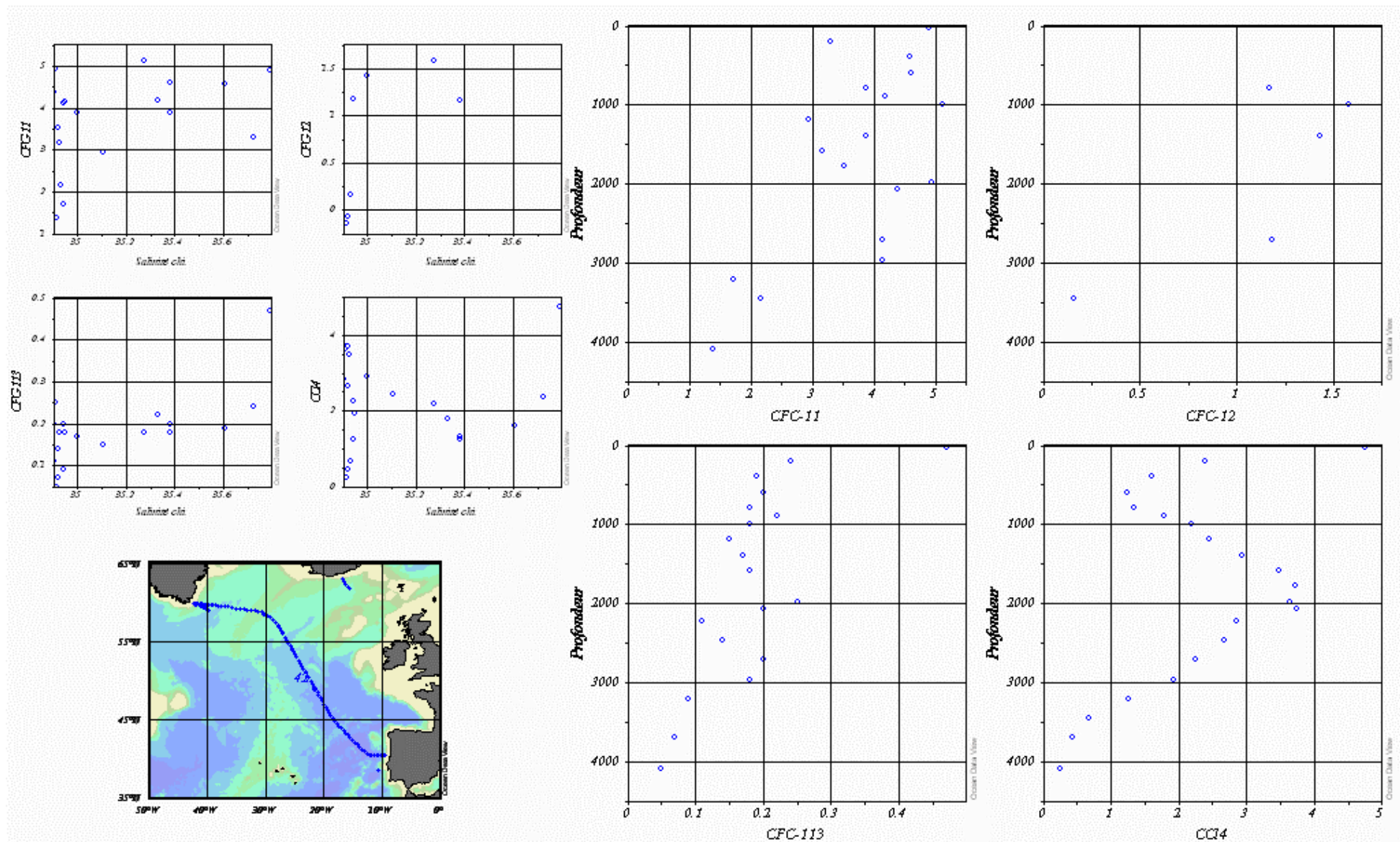




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
42	04/06/2006	17:33:21	48:47:20 N	21:26:02 W	4087m

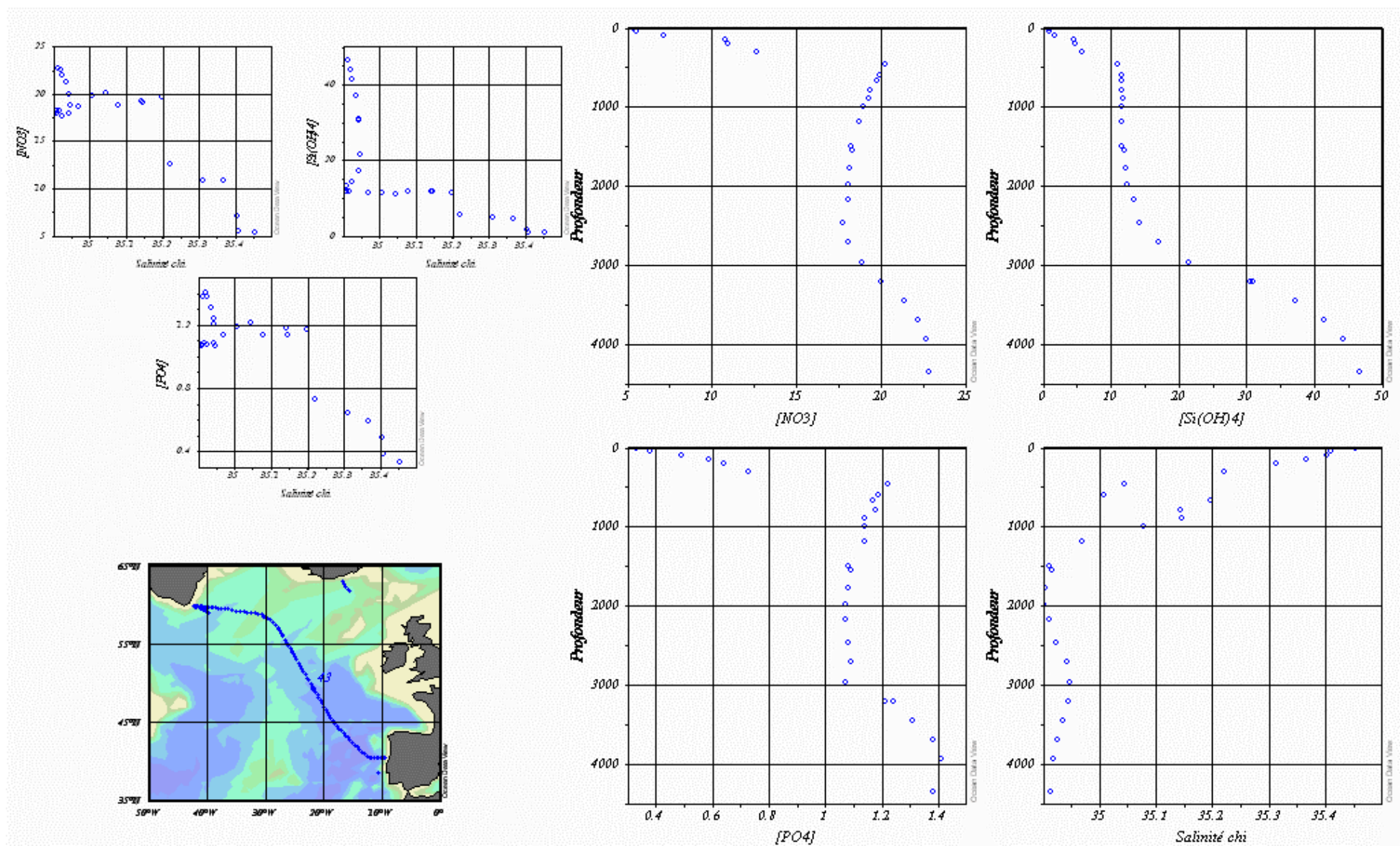
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
42	29	17.5	-17.4	14.588	35.792	35.793	6.134	3.2	1.1	0.18	4.89		0.47	4.75
42	28	50.8	-50.5	13.701	35.788	35.796	5.847	5.4	1.6	0.28				
42	27	100.6	-100.0	13.280	35.754	35.754	5.848	5.7	1.8	0.31				
42	26	199.2	-198.0	12.698	35.722	35.722	5.661	8.3	3.1	0.40	3.29		0.24	2.39
42	25	301.0	-299.1	12.633	35.731	35.731	5.713	8.1	3.1	0.40				
42	24	398.1	-395.4	11.896	35.608	35.607	5.257	11.8	4.3	0.62	4.58		0.19	1.60
42	23	500.7	-497.2	11.207	35.524	35.522	5.046	13.9	5.4	0.72				
42	22	600.2	-595.9	10.127	35.392	35.379	4.537	18.0	8.2	0.96	4.61		0.20	1.24
42	21	700.1	-695.0	8.789	35.279	35.279	4.315	20.5	10.6	1.11				
42	20	801.5	-795.5	8.467	35.380	35.380	4.476	19.8	10.6	1.08	3.87	1.17	0.18	1.34
42	19	900.7	-893.7	7.652	35.330	35.331	4.553	20.0	11.1	1.13	4.19		0.22	1.78
42	18	999.8	-991.8	6.830	35.280	35.276	4.929	19.6	11.3	1.09	5.11	1.58	0.18	2.19
42	17	1200.5	-1190.4	5.274	35.105	35.104	5.531	19.3	11.5	1.04	2.93		0.15	2.44
42	16	1400.4	-1388.0	4.335	35.002	35.001	5.914	19.0	11.5	1.13	3.87	1.43	0.17	2.93
42	15	1601.3	-1586.4	3.724	34.927	34.927	6.233	18.8	11.3	1.09	3.17		0.18	3.48
42	14	1799.2	-1781.6	3.494	34.920	34.918	6.291	18.8	11.9	1.05	3.52			3.72
42	13	2000.4	-1979.9	3.223	34.904	34.906	6.39	18.6	12.1	1.08	4.94		0.25	3.63
42	12	2081.6	-2059.9	3.172	34.902	34.903	6.421	18.4	12.3	1.10	4.37		0.20	3.75
42	11	2249.5	-2225.2	3.058	34.907	34.903	6.435	18.4	12.6	1.10			0.11	2.85
42	10	2500.3	-2471.8	2.950	34.925	34.922	6.327	18.3	14.5	1.05			0.14	2.67
42	9	2748.5	-2715.6	2.818	34.942	34.940	6.187	18.9	17.9	1.11	4.13	1.18	0.20	2.25
42	8	3000.6	-2963.0	2.640	34.948	34.946	6.03	19.8	26.2	1.19	4.14		0.18	1.93
42	7	3249.0	-3206.4	2.482	34.942	34.941	5.902	20.5	31.7	1.25	1.71		0.09	1.26
42	6	3497.7	-3449.9	2.340	34.931	34.929	5.704	22.1	39.4	1.37	2.17	0.16		0.67
42	5	3748.2	-3694.9	2.232	34.921	34.921	5.601	23.0	43.8	1.40		-0.07	0.07	0.44
42	4	3748.1	-3694.8	2.232	34.921	34.918	5.605	22.8	44.3	1.35				
42	3	4153.2	-4090.4	2.187	34.917	34.915	5.57	23.3	46.0	1.43	1.38	-0.14	0.05	0.25

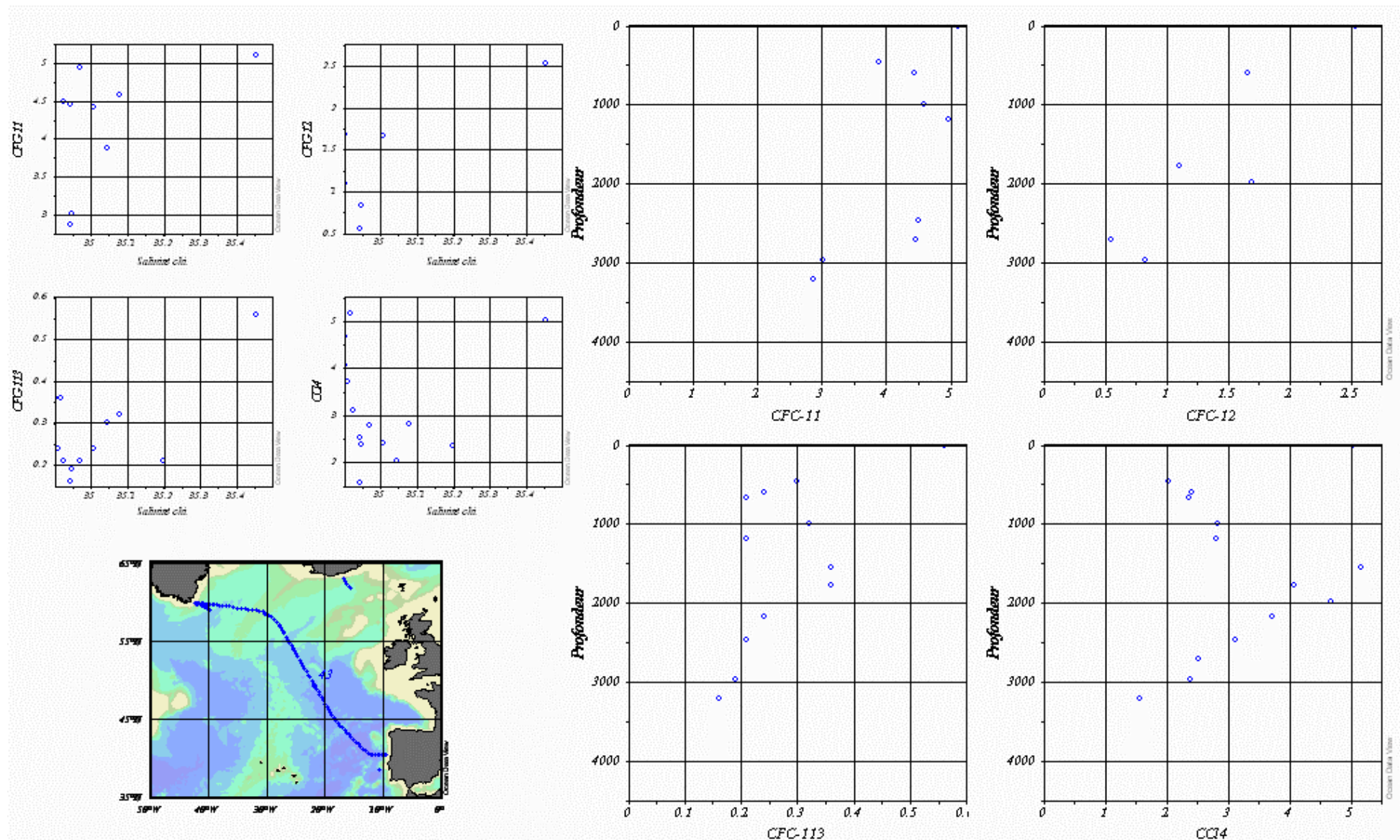




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
43	04/06/2006	23:18:10	49:09:48 N	21:43:62 W	4648m

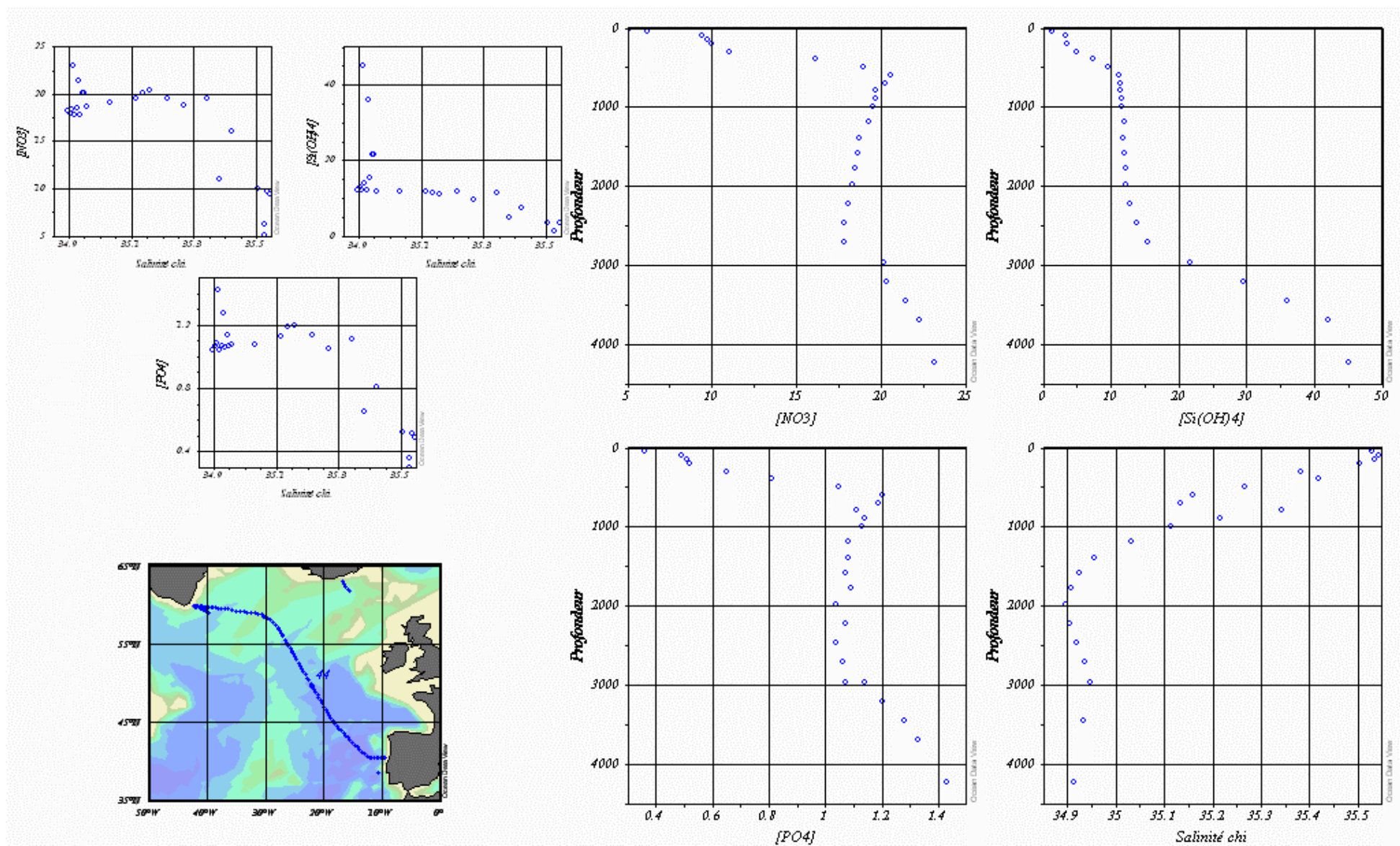
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
43	29	9.4	-9.3	13.597	35.448	35.452	6.129	5.4	1.0	0.33	5.12	2.53	0.56	5.02
43	28	49.9	-49.6	12.050	35.416	35.409	6.105	5.5	0.9	0.38				
43	27	99.6	-99.0	11.519	35.401	35.403	5.996	7.1	1.7	0.49				
43	26	151.1	-150.2	10.933	35.383	35.365	5.851	10.8	4.5	0.59				
43	25	198.3	-197.1	10.575	35.314	35.312	5.932	10.9	4.8	0.64				
43	24	299.7	-297.8	10.034	35.223	35.221	5.665	12.6	5.7	0.73				
43	23	453.6	-450.6	7.955	35.051	35.044	4.492	20.2	11.0	1.22	3.89		0.30	2.03
43	22	609.9	-605.6	6.410	35.011	35.008	4.965	19.9	11.5	1.19	4.43	1.66	0.24	2.41
43	21	668.8	-664.0	6.958	35.193	35.197	4.842	19.7	11.5	1.17			0.21	2.36
43	20	799.3	-793.3	6.027	35.139	35.143	5.198	19.3	11.6	1.18				
43	19	898.8	-891.9	5.753	35.144	35.145	5.31	19.2	11.7	1.14				
43	18	999.0	-991.1	5.129	35.078	35.077	5.567	18.9	11.6	1.14	4.59		0.32	2.83
43	17	1200.1	-1190.0	4.197	34.970	34.970	5.997	18.7	11.5	1.14	4.96		0.21	2.80
43	16	1502.5	-1488.8	3.542	34.910	34.911	6.309	18.2	11.6	1.08				
43	15	1569.2	-1554.7	3.515	34.914	34.916	6.298	18.3	11.9	1.09			0.36	5.16
43	14	1799.5	-1781.9	3.260	34.903	34.903	6.403	18.1	12.1	1.08		1.10	0.36	4.07
43	13	1997.4	-1977.0	3.128	34.901	34.901	6.449	18.0	12.4	1.07		1.69		4.66
43	12	2200.8	-2177.2	3.031	34.910	34.910	6.472	18.0	13.4	1.07			0.24	3.71
43	11	2499.9	-2471.4	2.894	34.923	34.923	6.373	17.7	14.3	1.08	4.49		0.21	3.12
43	10	2749.9	-2717.0	2.789	34.941	34.942	6.268	18.0	17.1	1.09	4.46	0.55		2.52
43	9	2999.3	-2961.7	2.650	34.947	34.947	6.12	18.8	21.5	1.07	3.01	0.83	0.19	2.39
43	8	3249.7	-3207.1	2.507	34.944	34.944	5.932	20.0	30.5	1.24	2.86		0.16	1.57
43	7	3250.1	-3207.5	2.506	34.944	34.944	5.936	20.0	30.9	1.21				
43	6	3499.1	-3451.3	2.382	34.935	34.934	5.778	21.3	37.1	1.31				
43	5	3749.6	-3696.2	2.289	34.925	34.926	5.671	22.1	41.4	1.38				
43	4	3998.9	-3939.8	2.230	34.919	34.919	5.607	22.6	44.2	1.41				
43	3	4413.9	-4344.6	2.173	34.914	34.914	5.558	22.8	46.6	1.38				

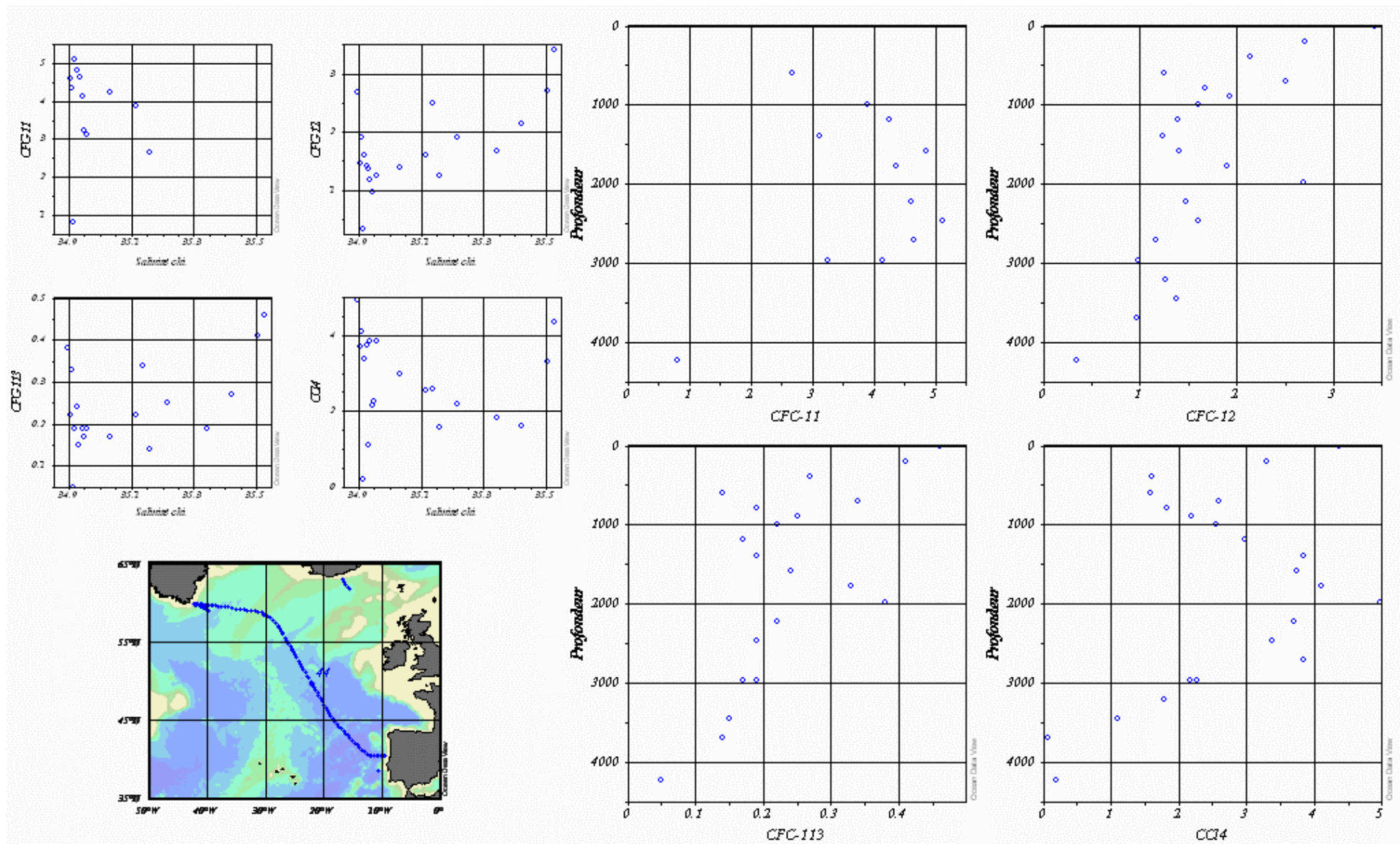




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
44	05/06/2006	05:12:16	49:31:89 N	22:01:21 W	4232m

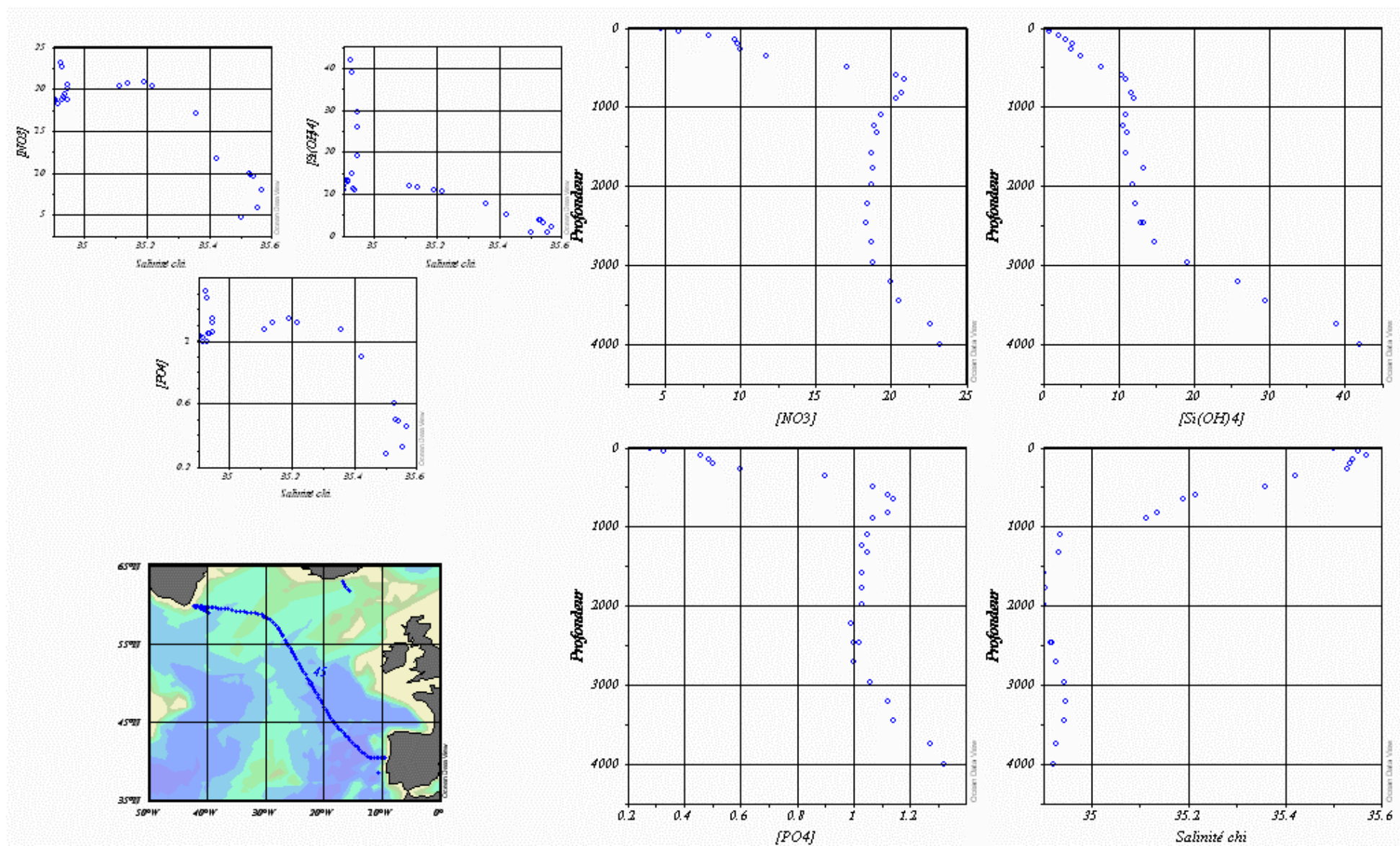
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
44	29	14.8	-14.7	13.666	35.526	35.527	6.134	5.1	1.1	0.30		3.42	0.46	4.37
44	28	50.0	-49.7	12.339	35.538	35.528	6.027	6.2	1.3	0.36				
44	27	101.4	-100.8	11.811	35.527	35.544	5.787	9.4	3.4	0.49				
44	26	151.4	-150.5	11.706	35.534	35.534	5.815	9.7		0.51				
44	25	200.4	-199.2	11.513	35.500	35.503	5.817	10.0	3.6	0.52		2.70	0.41	3.30
44	24	300.3	-298.4	10.806	35.383	35.381	5.623	11.0	5.0	0.65				
44	23	400.6	-397.9	10.538	35.412	35.420	4.721	16.1	7.3	0.81		2.14	0.27	1.60
44	22	499.9	-496.5	9.261	35.264	35.267	4.505	18.9	9.5	1.05				
44	21	600.1	-595.9	7.938	35.160	35.160	4.511	20.5	11.2	1.20	2.67	1.25	0.14	1.59
44	20	699.7	-694.6	7.141	35.133	35.135	4.752	20.2	11.4	1.19		2.50	0.34	2.60
44	19	800.5	-794.5	7.484	35.345	35.343	4.742	19.6	11.4	1.11		1.67	0.19	1.82
44	18	898.6	-891.7	6.430	35.213	35.215	5.094	19.6	11.6	1.14		1.92	0.25	2.19
44	17	999.2	-991.3	5.504	35.110	35.114	5.425	19.5	11.6	1.13	3.90	1.60	0.22	2.56
44	16	1198.9	-1188.8	4.652	35.028	35.031	5.771	19.2	11.9	1.08	4.25	1.39	0.17	2.98
44	15	1397.8	-1385.4	3.952	34.956	34.956	6.097	18.7	11.7	1.08	3.11	1.24	0.19	3.85
44	14	1598.7	-1583.8	3.600	34.925	34.926	6.413	18.6	12.0	1.07	4.84	1.41	0.24	3.75
44	13	1799.4	-1781.8	3.325	34.906	34.908	6.37	18.4	12.1	1.09	4.35	1.90	0.33	4.11
44	12	1997.8	-1977.3	3.138	34.900	34.897	6.45	18.3	12.1	1.04		2.69	0.38	4.96
44	11	2247.9	-2223.6	3.013	34.905	34.906	6.451	18.0	12.8	1.07	4.60	1.47	0.22	3.70
44	10	2500.3	-2471.8	2.914	34.920	34.919	6.392	17.8	13.8	1.04	5.11	1.60	0.19	3.38
44	9	2747.6	-2714.7	2.814	34.934	34.935	6.318	17.8	15.4	1.06	4.65	1.17		3.85
44	8	2998.7	-2961.1	2.685	34.948	34.946	6.102	20.1	21.7	1.14	4.14	0.98	0.19	2.16
44	7	2997.9	-2960.3	2.685	34.947	34.947	6.102	20.1	21.7	1.07	3.25		0.17	2.26
44	6	3248.1	-3205.5	2.518	34.943		5.938	20.3	29.5	1.20		1.27		1.78
44	5	3498.5	-3450.7	2.377	34.935	34.933	5.779	21.4	36.0	1.28		1.37	0.15	1.09
44	4	3747.4	-3694.1	2.268	34.924		5.647	22.2	42.0	1.33		0.97	0.14	0.08
44	3	4290.8	-4224.6	2.195	34.917	34.914	5.584	23.1	45.1	1.43	0.80	0.34	0.05	0.20

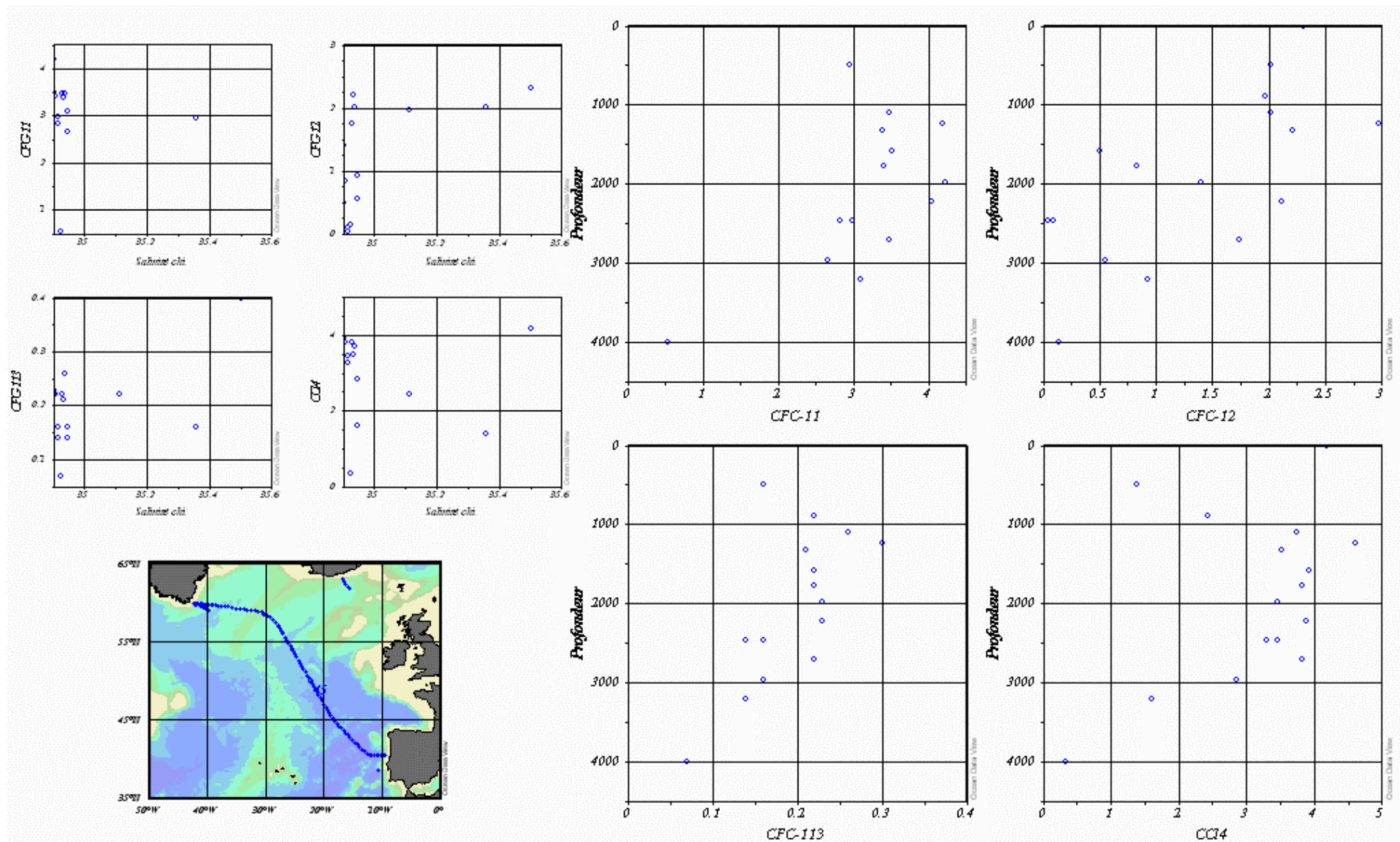




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
45	05/06/2006	11:17:23	49:54:39 N	22:18:85 W	4007m

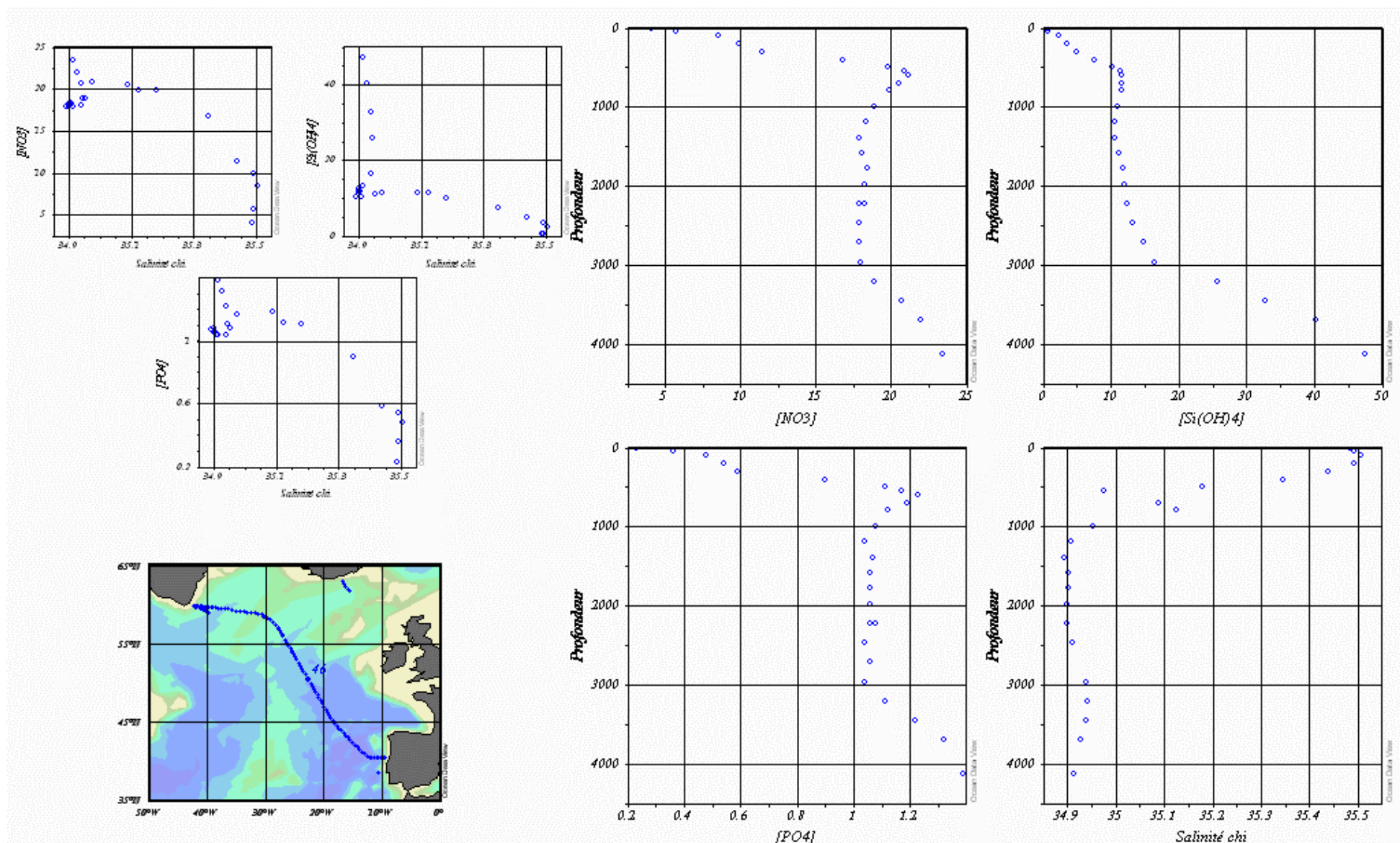
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
45	29	10.7	-10.6	13.442	35.494	35.500	6.158	4.7	0.8	0.28		2.31	0.40	4.18
45	28	49.6	-49.3	12.388	35.551	35.552	6.065	5.9	0.9	0.33				
45	27	100.4	-99.8	12.093	35.571	35.568	5.881	7.9	2.1	0.46				
45	26	150.8	-149.9	11.776	35.538	35.539	5.867	9.6	3.0	0.49				
45	25	201.6	-200.4	11.701	35.535	35.533	5.836	9.8	3.9	0.50				
45	24	267.7	-266.0	11.635	35.528	35.529	5.811	10.0	3.8	0.60				
45	23	359.5	-357.1	11.055	35.422	35.422	5.66	11.7	4.9	0.90				
45	22	500.0	-496.6	10.153	35.361	35.359	4.775	17.1	7.8	1.07	2.95	2.01	0.16	1.39
45	21	599.2	-595.0	8.946	35.215	35.216	4.458	20.3	10.5	1.12				
45	20	648.0	-643.4	8.419	35.190	35.190	4.423	20.9	11.0	1.14				
45	19	820.0	-813.8	6.590	35.137	35.137	4.95	20.7	11.7	1.12				
45	18	899.3	-892.4	5.998	35.104	35.112	5.181	20.3	12.0	1.07		1.96	0.22	2.43
45	17	1104.4	-1095.4	4.327	34.936	34.936	6.024	19.3	10.9	1.05	3.48	2.02	0.26	3.73
45	16	1248.6	-1238.0	3.918	34.909		6.266	18.9	10.6	1.03	4.19	2.97	0.30	4.60
45	15	1329.0	-1317.5	3.958	34.934	34.933	6.158	19.1	11.1	1.05	3.38	2.21	0.21	3.51
45	14	1599.3	-1584.4	3.540	34.902	34.901	6.383	18.7	11.0	1.03	3.51	0.50	0.22	3.93
45	13	1799.3	-1781.7	3.409	34.906	34.905	6.375	18.8	13.3	1.03	3.40	0.83	0.22	3.82
45	12	1999.5	-1979.0	3.234	34.901	34.902	6.427	18.7	11.9	1.03	4.21	1.40	0.23	3.46
45	11	2248.9	-2224.6	3.080	34.903		6.465	18.4	12.2	0.99	4.03	2.11	0.23	3.89
45	10	2501.4	-2472.9	2.969	34.915	34.917	6.431	18.3	12.9	1.00	2.83	0.04	0.16	3.29
45	9	2501.2	-2472.7	2.969	34.914	34.915	6.435	18.3	13.3	1.02	2.99	0.09	0.14	3.45
45	8	2742.4	-2709.6	2.866	34.930	34.928	6.363	18.7	14.8	1.00	3.48	1.74	0.22	3.83
45	7	2999.5	-2961.9	2.744	34.945	34.945	6.229	18.8	19.1	1.06	2.65	0.55	0.16	2.85
45	6	3249.6	-3207.0	2.594	34.948	34.947	6.047	20.0	25.9	1.12	3.10	0.93	0.14	1.60
45	5	3500.0	-3452.2	2.482	34.944	34.944	5.972	20.5	29.4	1.14				
45	4	3800.9	-3746.4	2.319	34.929	34.927	5.727	22.6	39.0	1.27				
45	3	4066.2	-4005.5	2.260	34.924	34.922	5.646	23.2	42.0	1.32	0.54	0.14	0.07	0.33

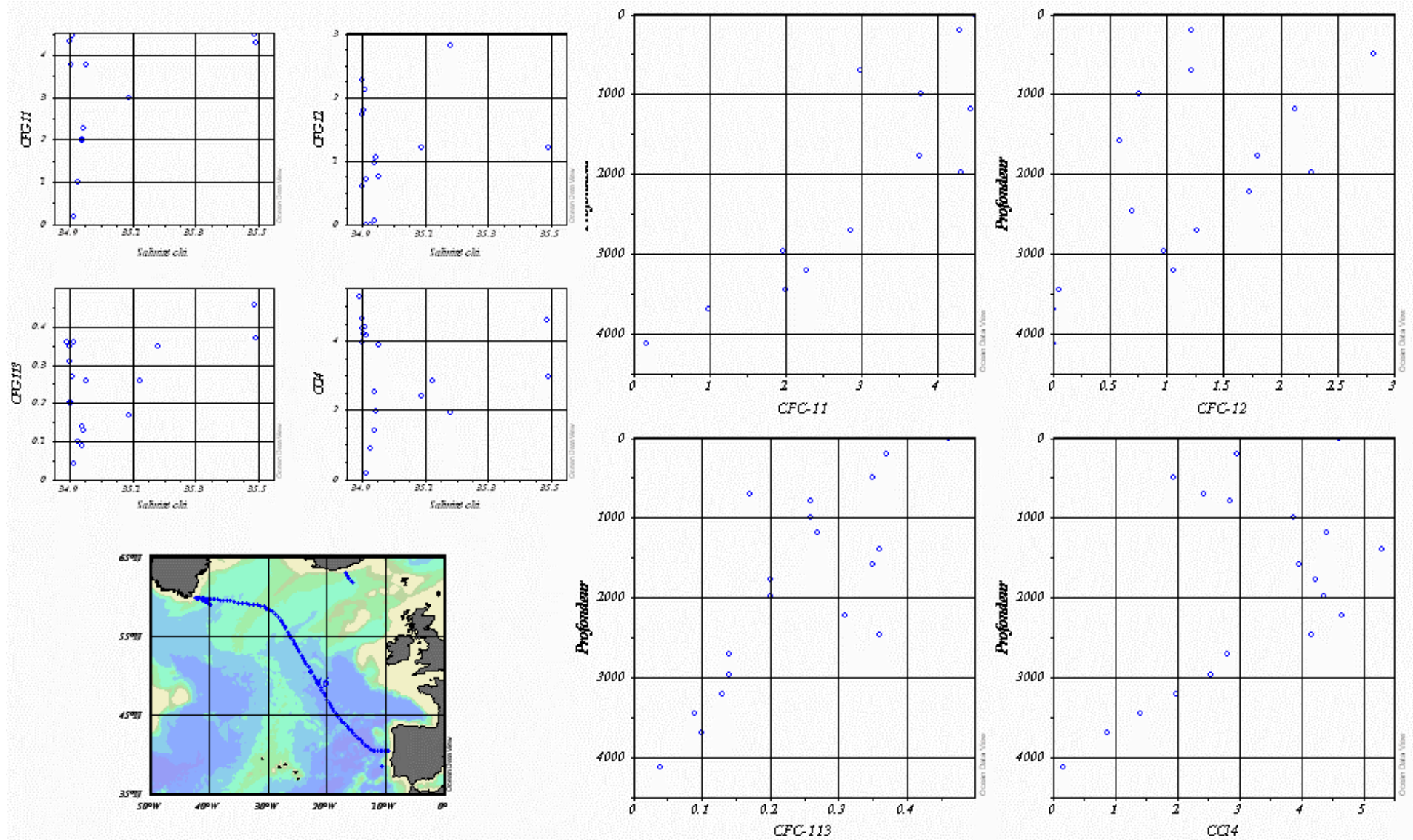




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
46	05/06/2006	17:21:42	50:16:75 N	22:36:34 W	4138m

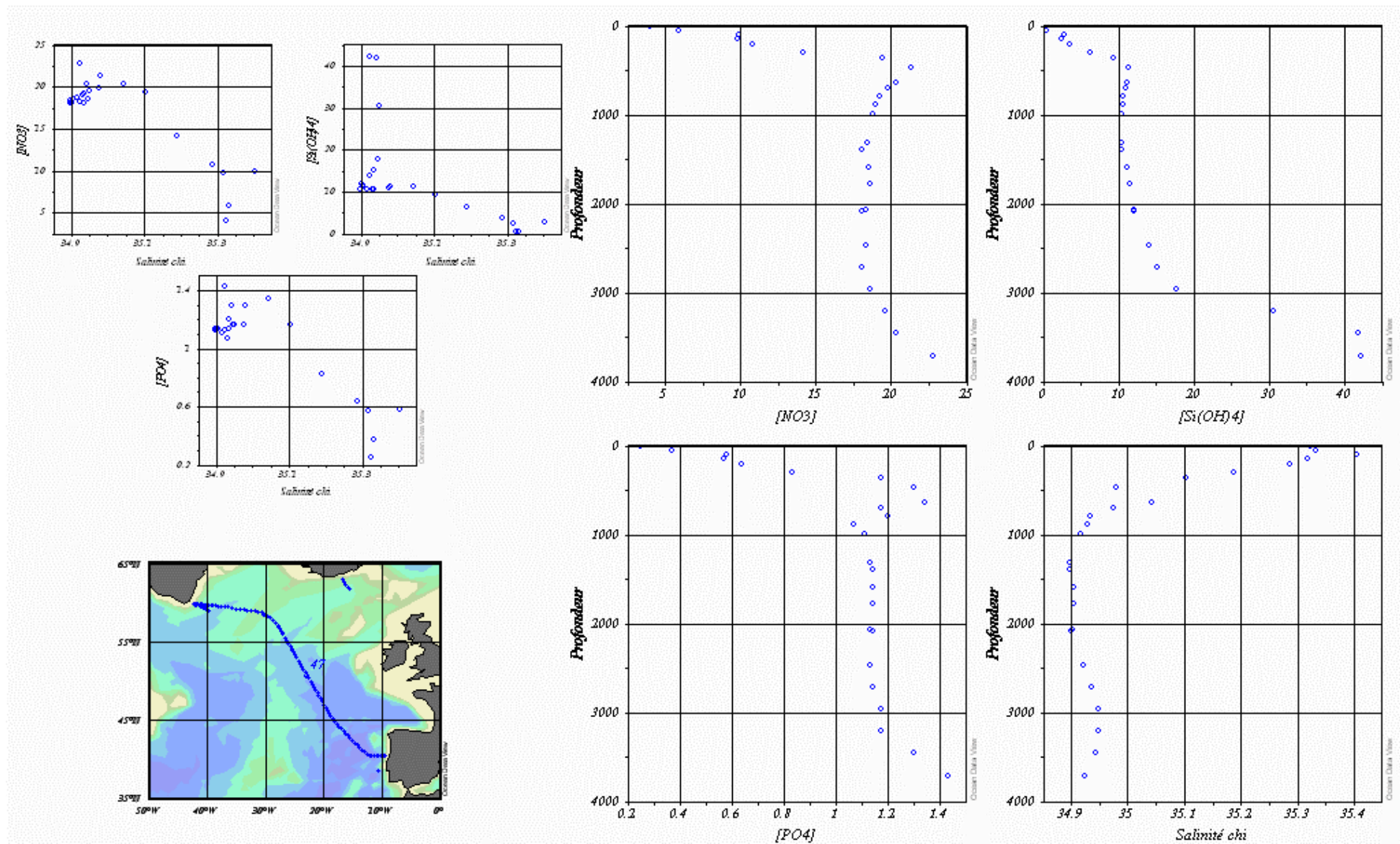
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
46	29	16.0	-15.9	13.277	35.483	35.485	6.245	4.1	0.7	0.23	4.50		0.46	4.61
46	28	50.4	-50.1	12.466	35.494	35.492	6.185	5.7	0.7	0.36				
46	27	101.1	-100.5	11.761	35.496	35.505	5.892	8.5	2.4	0.48				
46	26	200.5	-199.3	11.559	35.489	35.491	5.824	9.9	3.6	0.54	4.29	1.21	0.37	2.96
46	25	300.3	-298.4	11.236	35.439	35.438	5.605	11.4	4.9	0.59				
46	24	401.5	-398.8	10.327	35.345	35.346	4.709	16.8	7.6	0.90				
46	23	500.1	-496.7	9.024	35.204	35.179	4.43	19.8	10.1	1.11		2.81	0.35	1.93
46	22	548.7	-544.9	7.431	34.975	34.975	4.598	20.9	11.3	1.17				
46	21	598.3	-594.1	7.052	35.015		4.665	21.1	11.6	1.23				
46	20	698.8	-693.7	6.636	35.098	35.088	4.918	20.5	11.5	1.19	2.98	1.21	0.17	2.42
46	19	800.8	-794.8	6.021	35.123	35.124	5.191	19.9	11.5	1.12			0.26	2.84
46	18	998.7	-990.8	4.442	34.956	34.954	5.941	18.9	11.0	1.08	3.78	0.76	0.26	3.87
46	16	1199.2	-1189.2	3.847	34.909	34.908	6.303	18.3	10.5	1.04	4.44	2.12	0.27	4.41
46	15	1397.9	-1385.5	3.580	34.894	34.893	6.43	17.9	10.5	1.07			0.36	5.28
46	14	1598.7	-1583.8	3.478	34.903	34.901	6.381	18.1	11.1	1.06		0.59	0.35	3.96
46	13	1798.6	-1781.0	3.355	34.903	34.903	6.39	18.4	11.8	1.06	3.76	1.80	0.20	4.22
46	12	1999.7	-1979.2	3.192	34.903	34.899	6.441	18.2	11.9	1.06	4.31	2.27	0.20	4.36
46	11	2248.0	-2223.7	3.060	34.902	34.900	6.466	17.9	12.4	1.06		1.72		
46	10	2249.2	-2224.9	3.059	34.903	34.900	6.471	18.2	12.4	1.08			0.31	4.65
46	9	2500.9	-2472.4	2.953	34.914	34.912	6.432	17.9	13.3	1.04		0.70	0.36	4.16
46	8	2749.8	-2716.9	2.851	34.930		6.355	17.9	14.8	1.06	2.86	1.26	0.14	2.81
46	7	3000.1	-2962.5	2.753	34.942	34.939	6.298	18.0	16.4	1.04	1.97	0.97	0.14	2.55
46	6	3249.9	-3207.3	2.608	34.949	34.943	6.107	18.9	25.8	1.11	2.27	1.06	0.13	1.98
46	5	3500.1	-3452.3	2.463	34.943	34.939	5.936	20.7	32.8	1.22	2.01	0.05	0.09	1.41
46	4	3749.7	-3696.3	2.333	34.930	34.928	5.739	22.0	40.3	1.32	0.98	0.00	0.10	0.88
46	3	4193.8	-4130.0	2.195	34.918	34.913	5.585	23.4	47.4	1.39	0.17	0.00	0.04	0.16

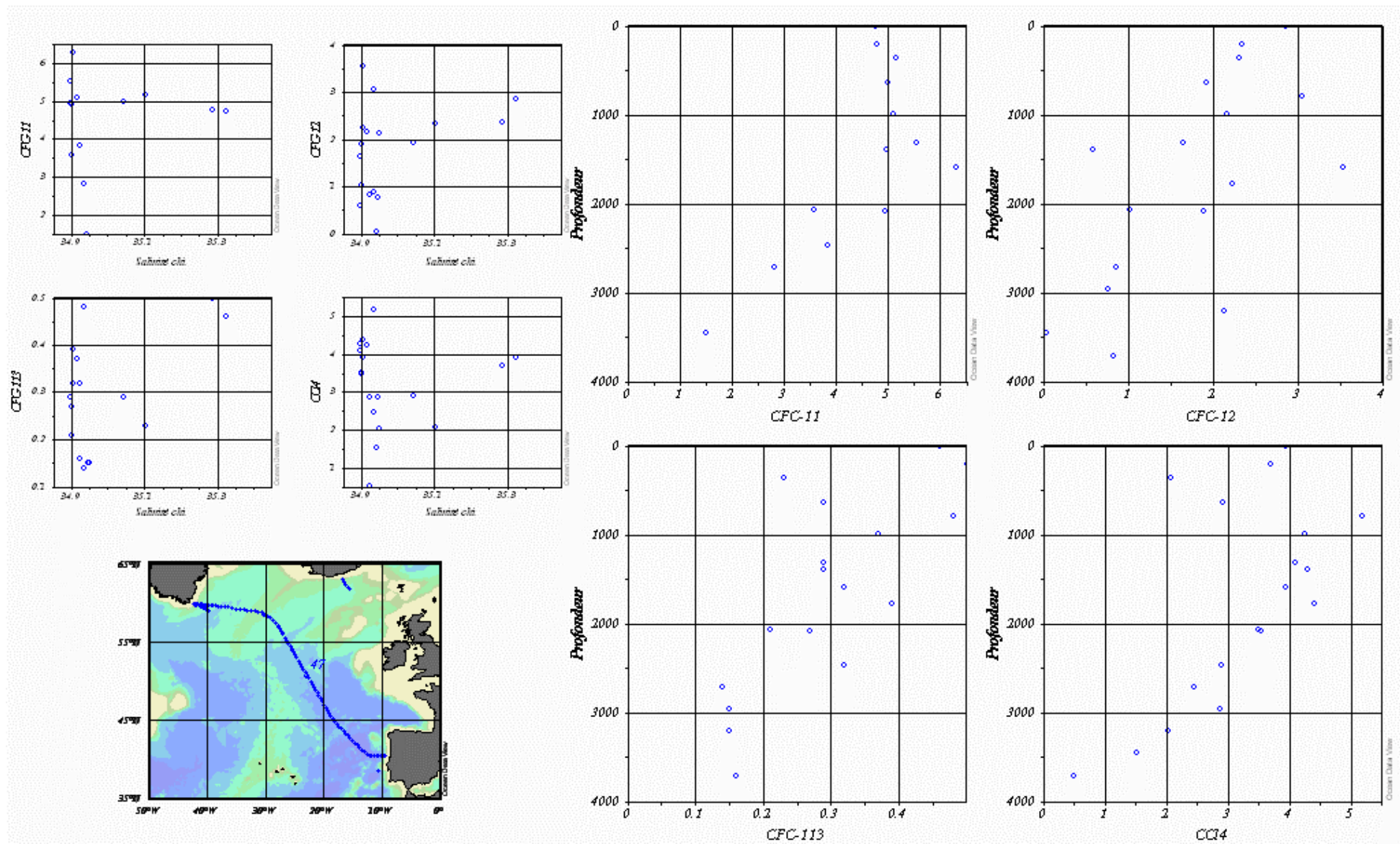




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur	Dist (Kms)
47	05/06/2006	23:28:05	50:38:50 N	22:53:99 W	3725m	1730.03

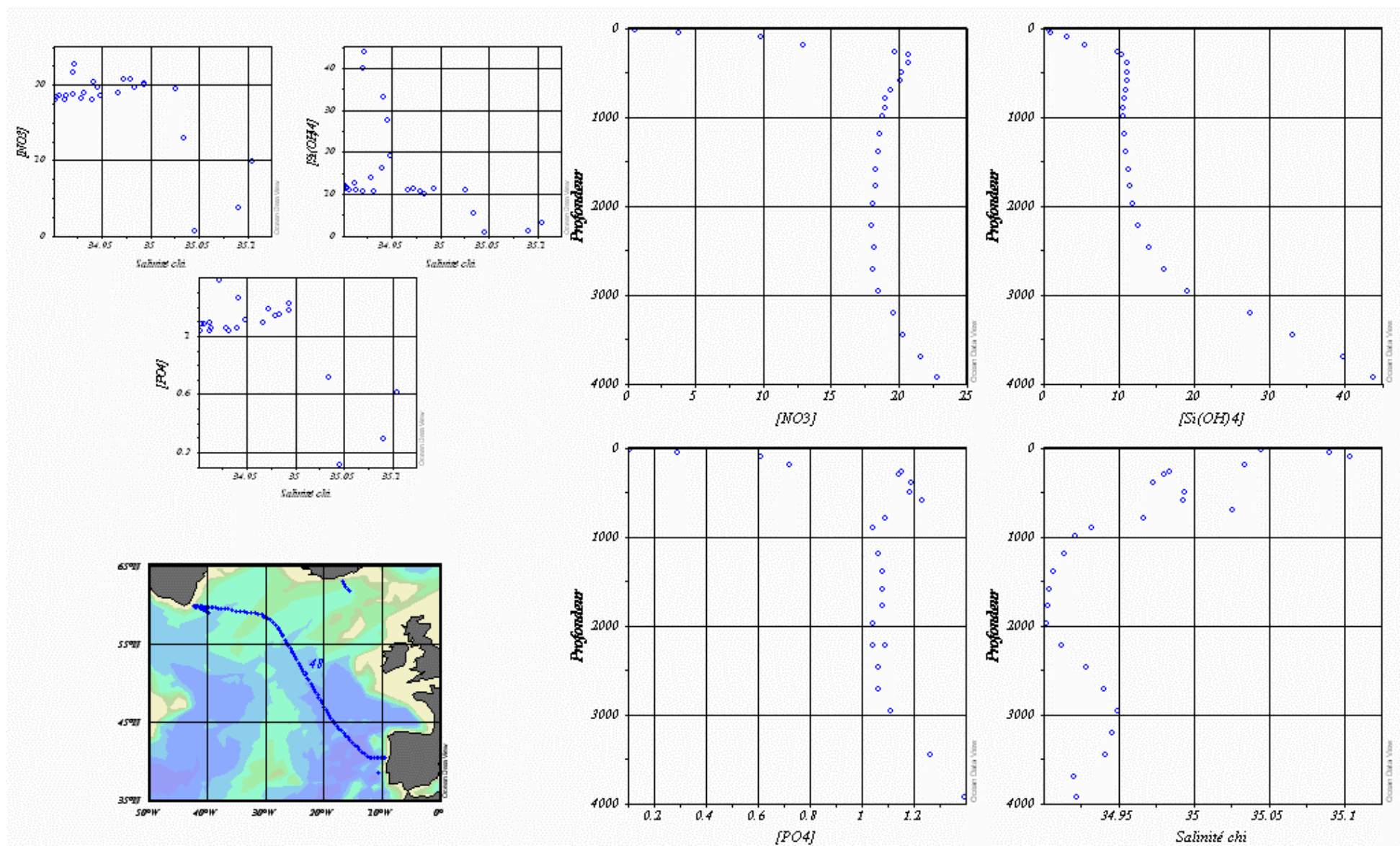
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
47	27	10.0	-9.9	13.104	35.312	35.324	6.258	4.0	0.5	0.25	4.76	2.86	0.46	3.93
47	26	49.6	-49.3	11.893	35.347	35.333	6.287	5.9	0.5	0.37				
47	25	101.1	-100.5	11.229	35.417	35.405	5.863	9.9	2.9	0.58				
47	24	151.5	-150.6	10.655	35.316	35.317	6.071	9.8	2.4	0.57				
47	23	210.3	-209.0	10.424	35.288	35.287	6.012	10.8	3.6	0.64	4.78	2.35	0.50	3.69
47	22	302.8	-300.9	9.710	35.191	35.188	5.426	14.2	6.2	0.83				
47	21	370.4	-368.0	8.796	35.099	35.102	4.561	19.4	9.4	1.17	5.16	2.32	0.23	2.07
47	20	470.8	-467.6	6.987	34.974	34.979	4.663	21.3	11.4	1.30				
47	19	641.7	-637.2	5.828	35.044	35.043	5.255	20.3	11.2	1.34	5.00	1.93	0.29	2.91
47	18	699.6	-694.6	5.071	34.967	34.975	5.553	19.8	11.0	1.17				
47	17	801.3	-795.3	4.478	34.930	34.934	5.946	19.2	10.7	1.20		3.05	0.48	5.18
47	16	899.1	-892.2	4.217	34.925	34.929	6.067	19.0	10.6	1.07				
47	15	999.9	-992.0	3.985	34.914	34.916	6.203	18.8	10.5	1.11	5.09	2.17	0.37	4.25
47	14	1321.0	-1309.6	3.573	34.893	34.897	6.41	18.4	10.5	1.13	5.54	1.65	0.29	4.09
47	13	1401.4	-1389.0	3.529	34.894	34.896	6.422	18.1	10.5	1.14	4.96	0.59	0.29	4.29
47	12	1600.6	-1585.7	3.428	34.902	34.904	6.398	18.5	11.2	1.14	6.30	3.54	0.32	3.94
47	11	1798.8	-1781.2	3.288	34.902	34.904	6.424	18.6	11.5	1.14		2.24	0.39	4.40
47	10	2099.1	-2077.1	3.082	34.900	34.900	6.463	18.1	12.0	1.14	4.94	1.89	0.27	3.54
47	9	2097.6	-2075.6	3.081	34.900	34.901	6.381	18.3	12.0	1.13	3.59	1.03	0.21	3.50
47	8	2500.6	-2472.1	2.894	34.920	34.922	6.483	18.3	14.0	1.13	3.83		0.32	2.89
47	7	2749.6	-2716.7	2.809	34.933	34.935	6.339	18.1	15.2	1.14	2.81	0.87	0.14	2.46
47	6	3000.8	-2963.2	2.695	34.945	34.947	6.265	18.6	17.7	1.17		0.76	0.15	2.87
47	5	3246.0	-3203.5	2.568	34.945	34.949	6.078	19.6	30.6	1.17		2.13	0.15	2.03
47	4	3500.2	-3452.4	2.459	34.940	34.942	5.934	20.3	41.8	1.30	1.50	0.04		1.53
47	3	3774.3	-3720.4	2.277	34.924	34.925	5.67	22.8	42.2	1.43		0.83	0.16	0.51

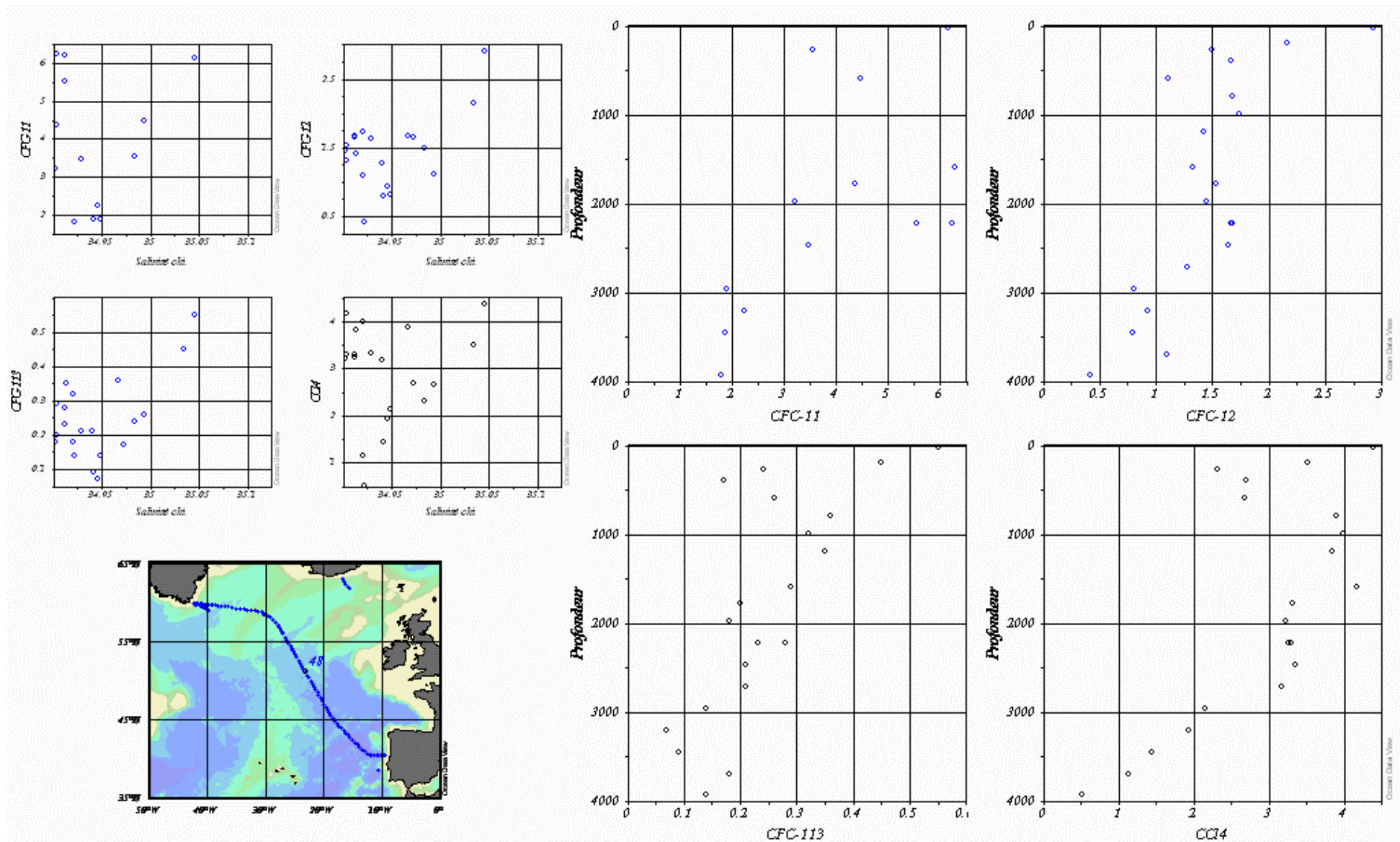




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
48	06/06/2006	05:31:23	51:01:64 N	23:11:65 W	3942m

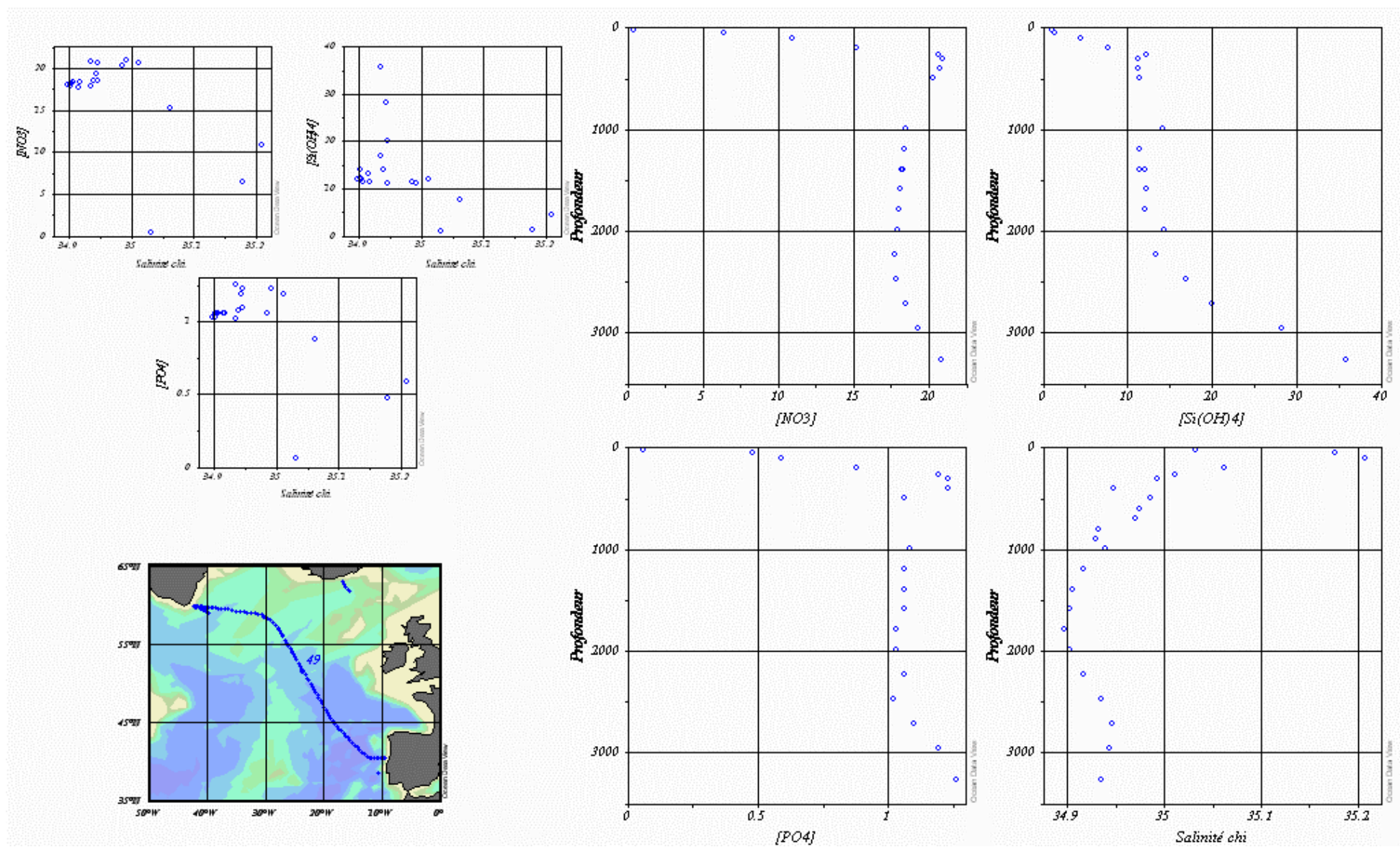
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
48	29	16.8	-16.7	12.523	35.038	35.045	6.665	0.6	0.8	0.11	6.14	2.92	0.55	4.38
48	28	51.4	-51.1	10.872	35.088	35.090	6.222	3.8	1.0	0.29				
48	27	99.9	-99.3	9.827	35.100	35.104	6.157	9.8	3.1	0.61				
48	26	199.5	-198.3	9.089	35.036	35.034	5.881	13.0	5.5	0.72		2.16	0.45	3.51
48	25	265.2	-263.5	7.933	34.984	34.984	4.682	19.7	9.8	1.15	3.56	1.49	0.24	2.31
48	24	300.6	-298.7	7.536	34.980	34.980	4.625	20.7	10.5	1.14				
48	23	400.6	-398.0	6.609	34.972	34.973	4.905	20.7	11.1	1.19		1.66	0.17	2.69
48	22	500.4	-497.0	5.787	34.991	34.994	5.242	20.2	11.1	1.18				
48	21	600.5	-596.3	5.240	34.989	34.993	5.519	20.1	11.1	1.23	4.48	1.11	0.26	2.67
48	20	699.8	-694.8	5.086	35.024	35.026	5.613	19.4	11.0					
48	19	802.3	-796.3	4.434	34.960	34.967	5.924	19.0	10.8	1.09		1.67	0.36	3.89
48	18	902.8	-895.9	4.103	34.930	34.932	6.104	19.0	10.6	1.04				
48	17	1000.8	-992.9	3.922	34.920	34.921	6.21	18.8	10.6			1.74	0.32	3.98
48	16	1201.2	-1191.1	3.701	34.912	34.914	6.29	18.6	10.8	1.06		1.42	0.35	3.83
48	15	1401.5	-1389.1	3.502	34.903	34.907	6.367	18.5	11.0	1.08				
48	14	1602.0	-1587.1	3.373	34.904	34.904	6.38	18.3	11.3	1.08	6.27	1.32	0.29	4.17
48	13	1801.0	-1783.4	3.229	34.901	34.903	6.435	18.3	11.5	1.08	4.37	1.53	0.20	3.31
48	12	2002.2	-1981.7	3.092	34.900	34.902	6.473	18.1	11.9	1.04	3.21	1.45	0.18	3.22
48	11	2251.2	-2226.8	2.973	34.910	34.912	6.439	18.0	12.7	1.09	6.22	1.67	0.23	3.25
48	10	2250.5	-2226.1	2.973	34.909	34.912	6.442	18.0	12.6	1.04	5.54	1.66	0.28	3.30
48	9	2496.5	-2468.1	2.877	34.927	34.929	6.363	18.2	14.0	1.06	3.48	1.64	0.21	3.34
48	8	2748.7	-2715.8	2.758	34.940	34.940	6.289	18.1	16.0	1.06		1.28	0.21	3.17
48	7	3001.0	-2963.4	2.645	34.946	34.949	6.182	18.5	19.1	1.11	1.89	0.81	0.14	2.15
48	6	3245.9	-3203.4	2.532	34.946	34.946	6.059	19.6	27.5		2.23	0.93	0.07	1.94
48	5	3502.0	-3454.1	2.441	34.940	34.941	5.927	20.3	33.2	1.26	1.88	0.79	0.09	1.44
48	4	3751.5	-3698.1	2.344	34.929	34.920	5.77	21.6	39.8			1.10	0.18	1.14
48	3	3987.2	-3928.3	2.264	34.922	34.922	5.646	22.8	43.8	1.39	1.79	0.42	0.14	0.52

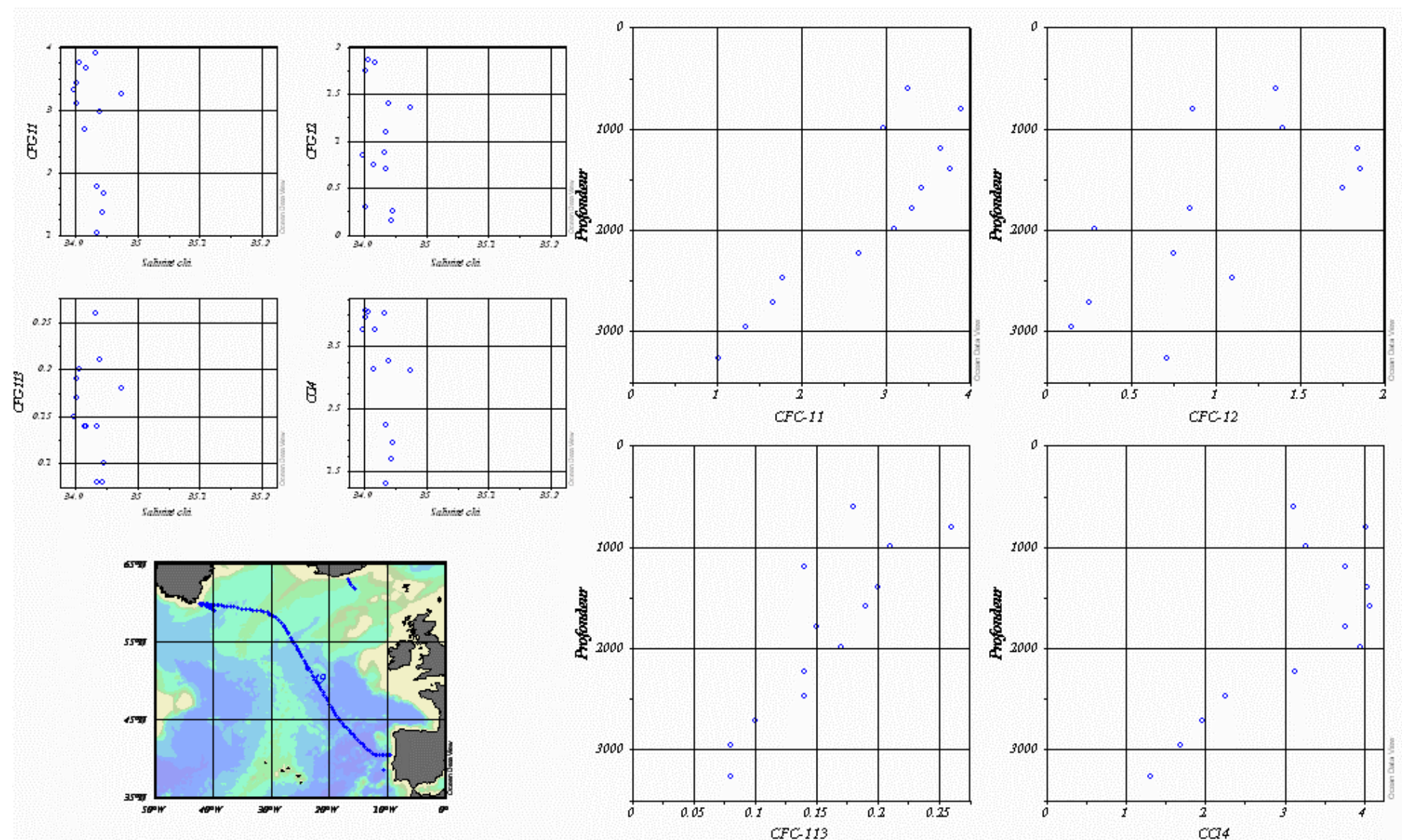




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
49	06/06/2006	16:23:59	51:24:04 N	23:29:02 W	3279m

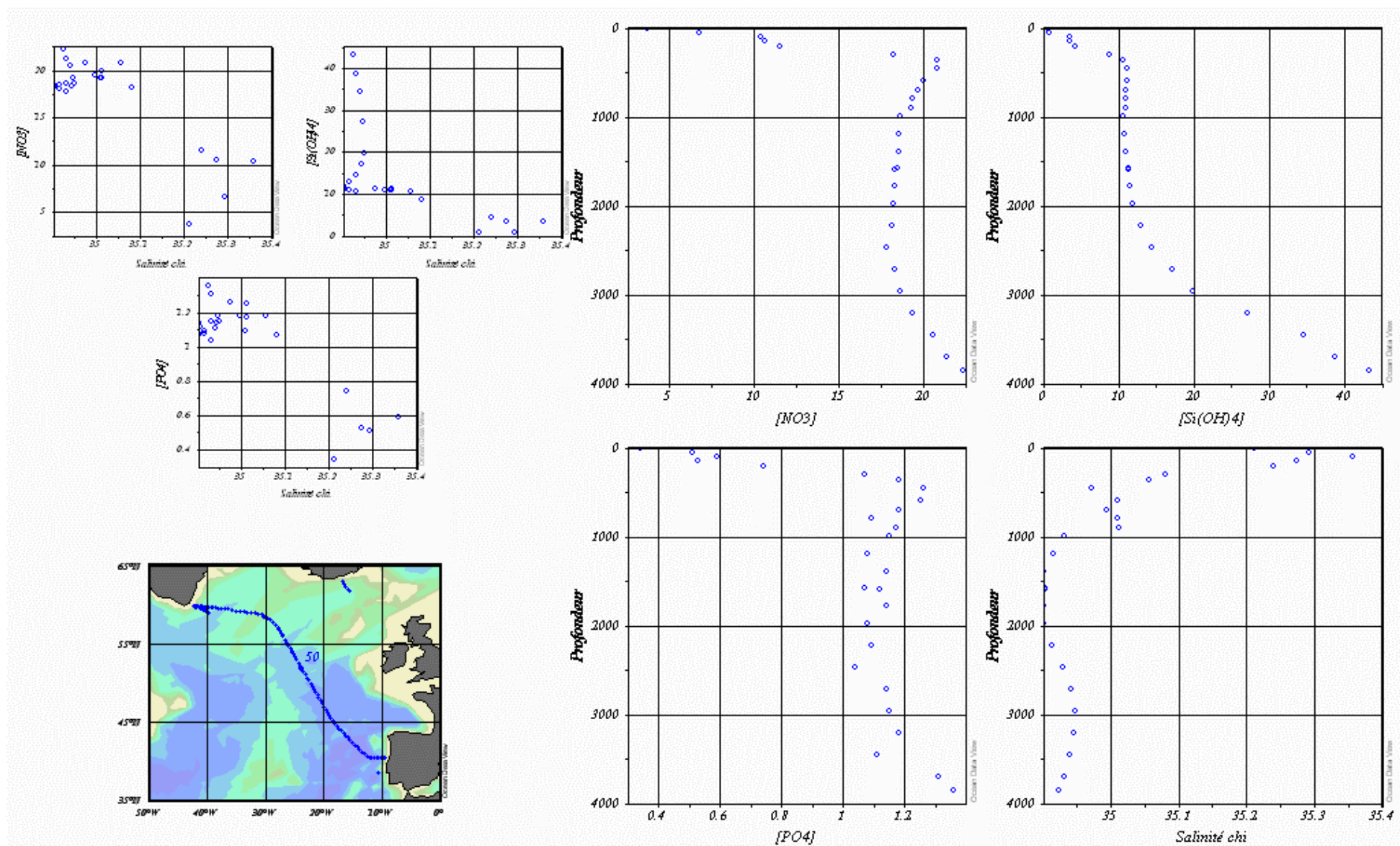
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
49	26	15.5	-15.4	12.606	35.027	35.032	6.766	0.4	1.0	0.06				
49	25	49.4	-49.1	10.723	35.170	35.177	6.198	6.4	1.3	0.48				
49	24	99.2	-98.6	10.235	35.212	35.208	6.061	10.9	4.4	0.59				
49	23	199.4	-198.2	9.066	35.063	35.062	5.344	15.2	7.6	0.88				
49	22	259.9	-258.3	7.903	35.020	35.011	4.551	20.6	12.1	1.19				
49	21	298.8	-296.9	7.462	34.998	34.993	4.645	20.9	11.2	1.23				
49	20	399.2	-396.6	6.263	34.946	34.947	5.063	20.7	11.2	1.23				
49	19	498.9	-495.5	5.634	34.983	34.986	5.294	20.3	11.4	1.06				
49	18	599.0	-594.8	4.971	34.973	34.975	5.642				3.26	1.36	0.18	3.11
49	17	699.1	-694.1	4.671	34.971	34.970	5.829							
49	16	802.0	-796.0	4.187	34.929	34.932	6.108				3.90	0.87	0.26	4.02
49	15	900.5	-893.6	4.053	34.930	34.929	6.15							
49	14	1001.1	-993.2	3.996	34.939	34.939	6.303	18.5	14.1	1.08	2.97	1.40	0.21	3.26
49	13	1200.1	-1190.0	3.658	34.915	34.917	6.271	18.4	11.4	1.06	3.66	1.84	0.14	3.77
49	12	1400.9	-1388.5	3.452	34.905	34.905	6.366	18.2	12.0	1.06				
49	11	1400.8	-1388.4	3.452	34.905	34.906	6.357	18.3	11.4	1.06	3.76	1.86	0.20	4.04
49	10	1599.2	-1584.3	3.306	34.902	34.902	6.413	18.1	12.2	1.06	3.43	1.75	0.19	4.07
49	9	1798.5	-1780.9	3.146	34.898	34.897	6.468	18.0	12.0	1.03	3.31	0.85	0.15	3.76
49	8	1999.9	-1979.4	3.039	34.902	34.902	6.472	17.9	14.2	1.03	3.10	0.29	0.17	3.95
49	7	2248.1	-2223.8	2.934	34.916	34.916	6.421	17.7	13.3	1.06	2.69	0.75	0.14	3.13
49	6	2500.0	-2471.5	2.832	34.935	34.935	6.334	17.8	16.9	1.02	1.78	1.10	0.14	2.25
49	5	2748.0	-2715.1	2.658	34.947	34.946	6.197	18.5	20.0	1.10	1.67	0.25	0.10	1.96
49	4	2998.2	-2960.6	2.537	34.946	34.944	6.053	19.3	28.2	1.19	1.35	0.15	0.08	1.69
49	3	3303.4	-3259.7	2.397	34.936	34.935	5.86	20.8	35.8	1.26	1.03	0.71	0.08	1.31

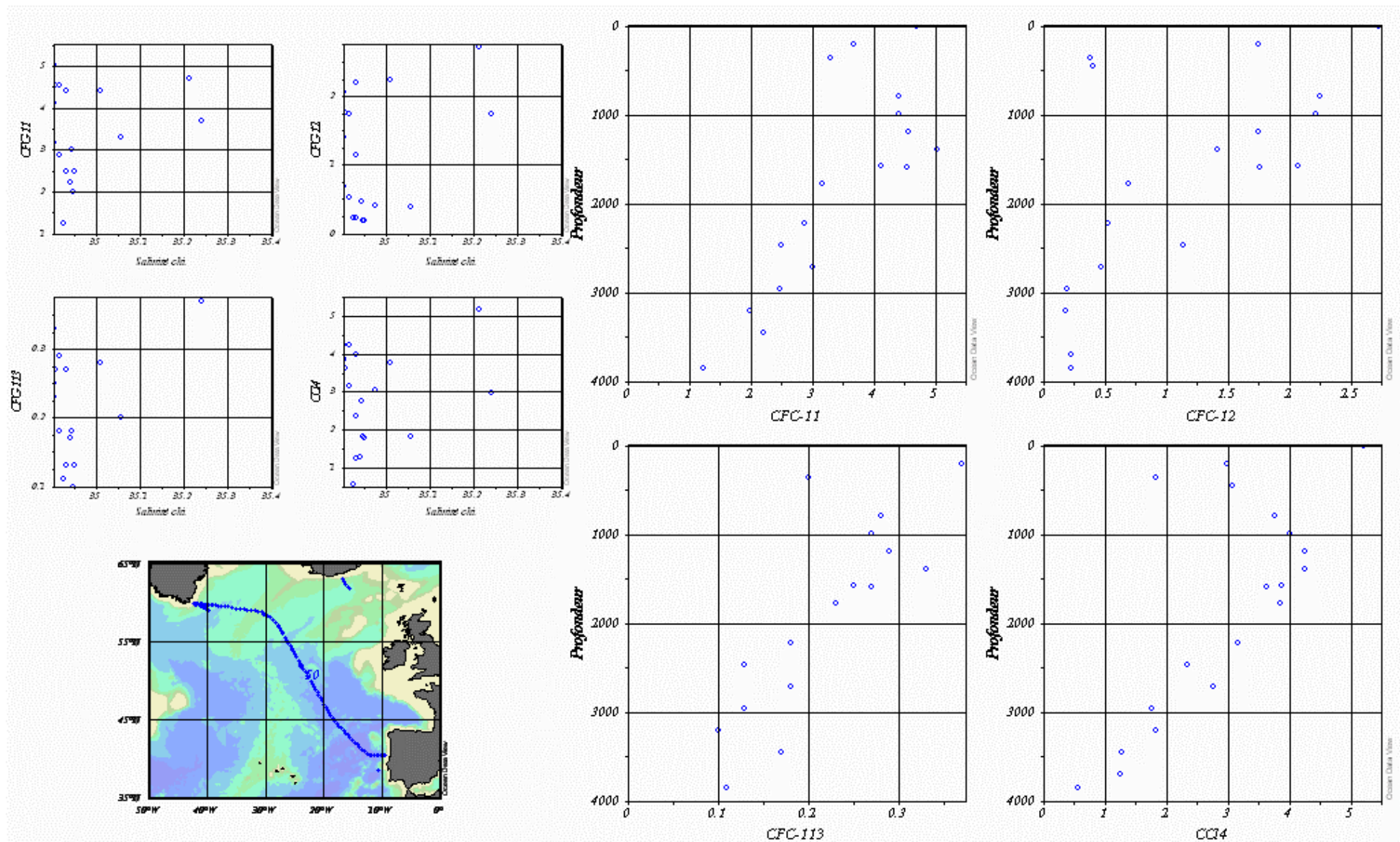




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
50	06/06/2006	21:37:06	51:46:37 N	23:46:65 W	3864m

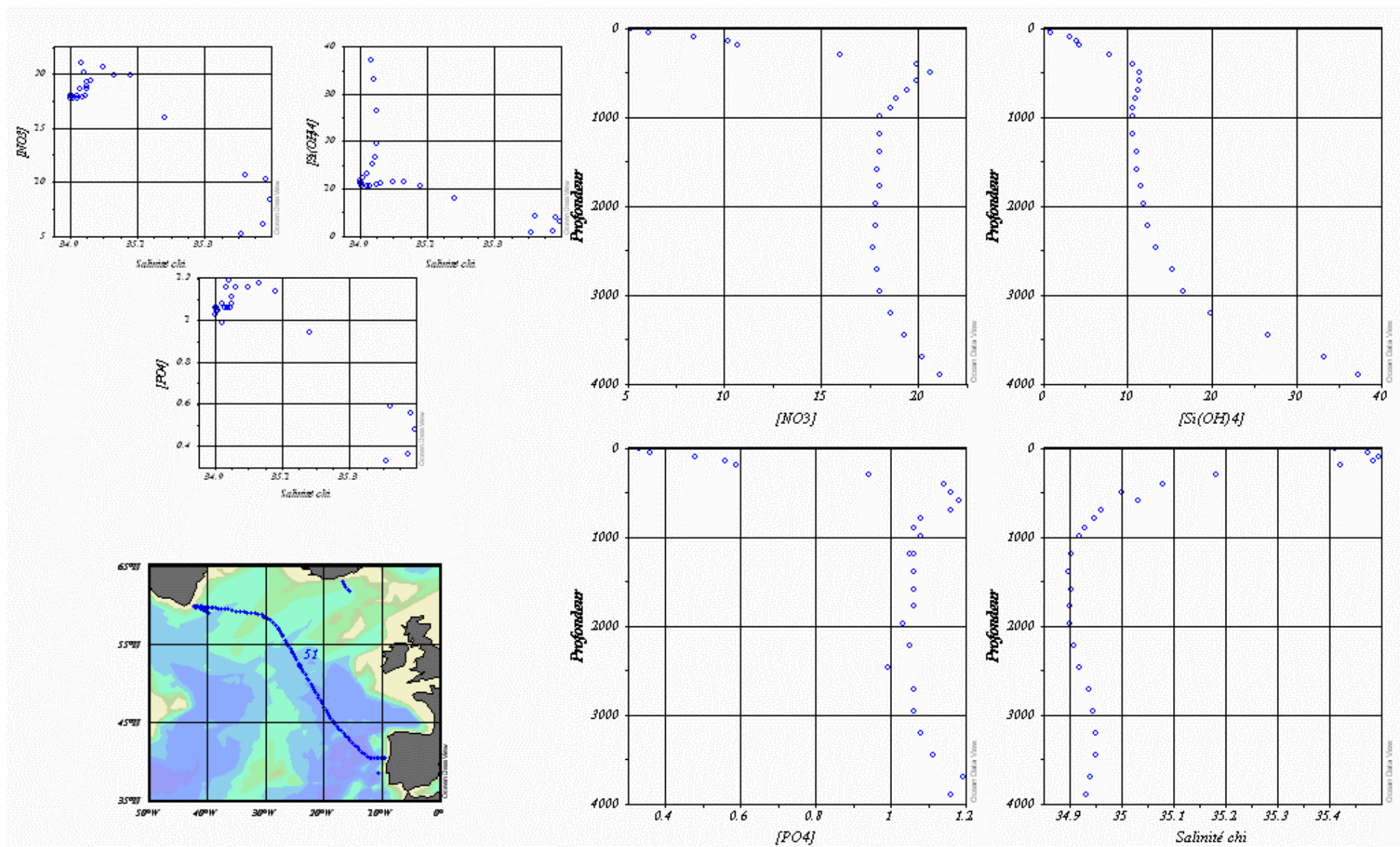
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
50	29	10.2	-10.1	12.547	35.206	35.211	6.354	3.7	0.7	0.34	4.70	2.72		5.19
50	28	52.6	-52.3	11.214	35.294	35.292	6.135	6.7	0.9	0.51				
50	27	100.3	-99.7	11.084	35.364	35.357	5.864	10.4	3.5	0.59				
50	26	149.6	-148.7	10.477	35.275	35.273	5.943	10.6	3.5	0.53				
50	25	201.2	-200.0	10.240	35.243	35.240	5.866	11.5	4.3	0.74	3.68	1.75	0.37	2.98
50	24	297.6	-295.7	8.967	35.083	35.080	4.749	18.2	8.8	1.07				
50	23	358.9	-356.6	8.077	35.056	35.056	4.428	20.8	10.7	1.18	3.30	0.38	0.20	1.84
50	22	451.3	-448.3	6.723	34.971	34.972	4.835	20.8	11.1	1.26		0.40		3.07
50	21	599.3	-595.1	5.645	35.009	35.010	5.323	20.0	11.1	1.25				
50	20	700.0	-695.0	5.124	34.991	34.994	5.589	19.6	11.0	1.18				
50	19	802.3	-796.3	4.861	35.008	35.009	5.721	19.3	11.0	1.09	4.40	2.24	0.28	3.77
50	18	900.2	-893.3	4.683	35.012	35.011	5.814	19.2	11.0	1.17				
50	17	999.4	-991.5	4.029	34.928	34.931	6.148	18.6	10.6	1.15	4.40	2.21	0.27	4.00
50	16	1200.7	-1190.6	3.729	34.911	34.915	6.277	18.5	10.8	1.08	4.55	1.75	0.29	4.25
50	15	1399.7	-1387.3	3.515	34.899	34.902	6.383	18.5	10.9	1.14	5.03	1.41	0.33	4.24
50	14	1599.8	-1584.9	3.381	34.901	34.904	6.388	18.3	11.3	1.12	4.53	1.76	0.27	3.62
50	13	1599.1	-1584.2	3.375	34.903	34.903	6.383	18.4	11.4	1.07	4.12	2.07	0.25	3.88
50	12	1799.2	-1781.6	3.212	34.897	34.900	6.439	18.3	11.6	1.14	3.16	0.69	0.23	3.85
50	11	2000.8	-1980.3	3.088	34.897	34.901	6.466	18.2	11.9	1.08				
50	10	2250.6	-2226.2	2.985	34.909	34.914	6.439	18.1	12.9	1.09	2.88	0.53	0.18	3.15
50	9	2500.6	-2472.1	2.875	34.925	34.929	6.348	17.8	14.5	1.04	2.50	1.14	0.13	2.35
50	8	2751.0	-2718.1	2.769	34.940	34.941	6.244	18.3	17.1	1.14	3.01	0.47	0.18	2.77
50	7	3000.2	-2962.6	2.648	34.944	34.947	6.173	18.6	19.8	1.15	2.48	0.19	0.13	1.77
50	6	3250.0	-3207.4	2.551	34.944	34.946	6.064	19.3	27.2	1.18	1.99	0.18	0.10	1.82
50	5	3501.9	-3454.0	2.431	34.936	34.939	5.894	20.5	34.5	1.11	2.21		0.17	1.28
50	4	3750.2	-3696.8	2.358	34.930	34.931	5.8	21.3	38.7	1.31		0.23		1.25
50	3	3913.4	-3856.3	2.285	34.923	34.924	5.705	22.3	43.2	1.36	1.24	0.23	0.11	0.56

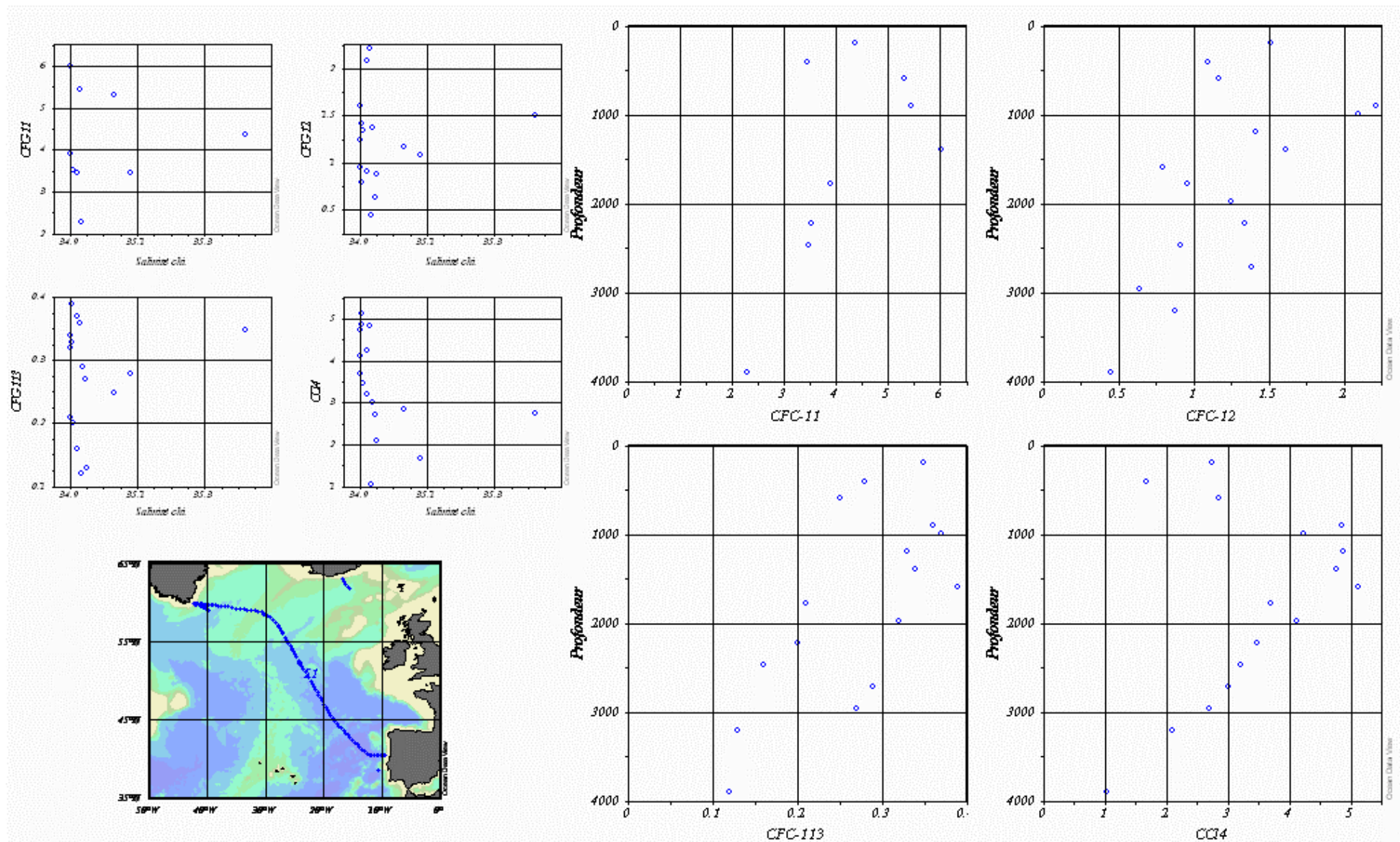




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
51	07/06/2006	03:30:35	52 :08:68 N	24:04:20 W	3914m

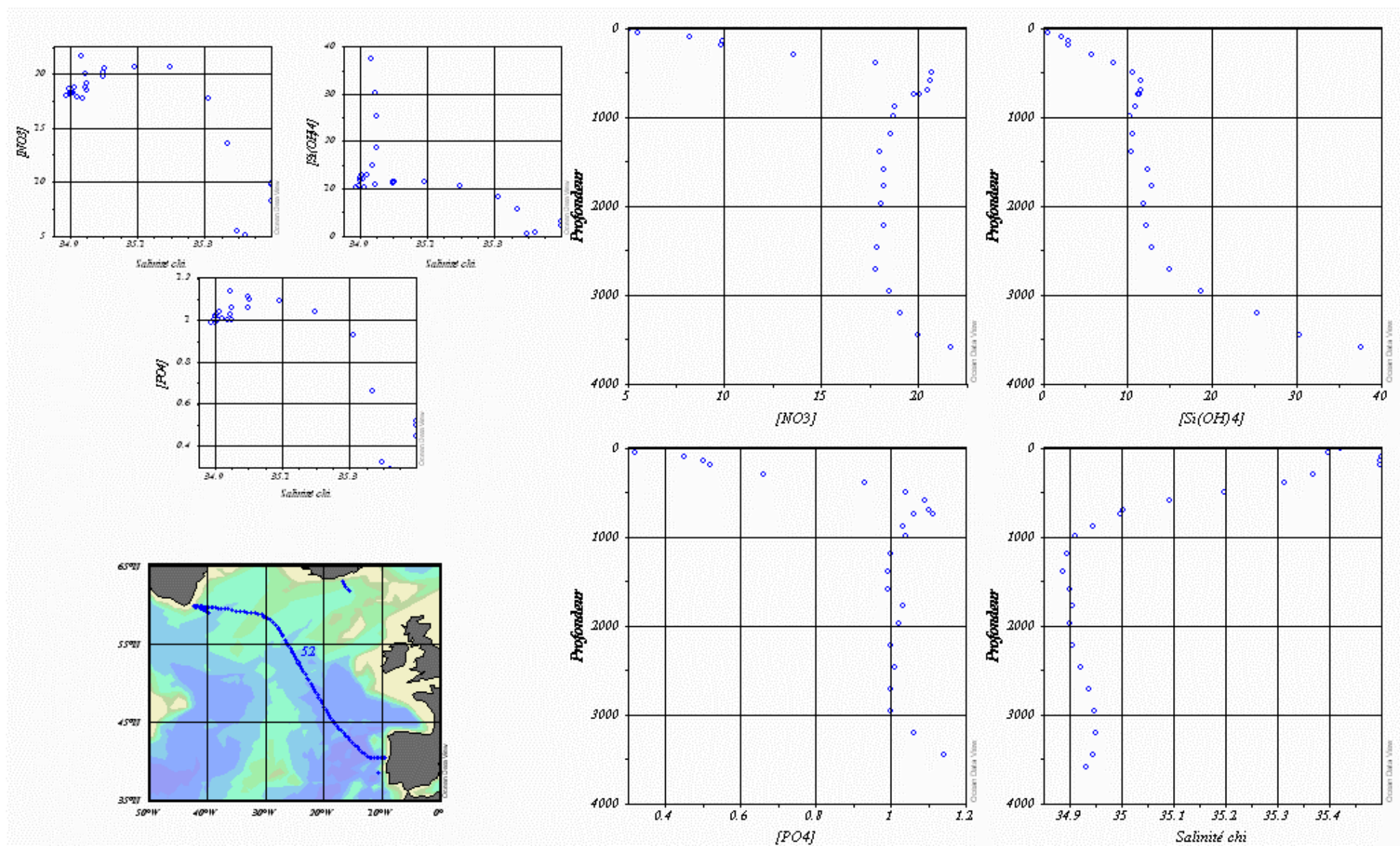
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
51	29	14.9	-14.8	12.411	35.402	35.410	6.282	5.2	0.8	0.33				
51	28	61.4	-61.0	12.098	35.470	35.473	6.135	6.1	0.9	0.36				
51	27	103.0	-102.4	11.799	35.492	35.493	5.927	8.4	3.1	0.48				
51	26	152.1	-151.2	11.604	35.479	35.482	5.881	10.2	3.9	0.56				
51	25	200.4	-199.2	11.322	35.424	35.419	5.803	10.7	4.2	0.59	4.36	1.51	0.35	2.74
51	24	301.5	-299.6	9.881	35.202	35.181	4.909	16.0	7.9	0.94				
51	23	411.8	-409.1	8.600	35.082	35.080	4.4	19.9	10.6	1.14	3.45	1.09	0.28	1.68
51	22	500.4	-497.0	7.143	34.994	35.000	4.672	20.6	11.4	1.16				
51	21	601.5	-597.3	6.440	35.037	35.032	4.976	19.9	11.4	1.18	5.32	1.17	0.25	2.85
51	20	702.0	-696.9	5.372	34.965	34.961	5.466	19.4	11.2	1.16				
51	19	803.0	-797.0	4.736	34.948	34.949	5.828	18.9	10.9	1.08				
51	18	901.0	-894.1	4.380	34.933	34.931	6.028	18.6	10.6	1.06	5.45	2.21	0.36	4.84
51	17	1001.3	-993.4	4.082	34.921	34.920	6.177	18.0	10.6	1.08		2.09	0.37	4.23
51	16	1200.5	-1190.4	3.752	34.904	34.905	6.35	18.0	10.5	1.05		1.41	0.33	4.87
51	15	1200.9	-1190.8	3.751	34.903	34.903	6.345	18.0	10.5	1.06				
51	14	1400.5	-1388.1	3.576	34.897	34.899	6.429	18.0	11.1	1.06	6.01	1.61	0.34	4.75
51	13	1602.7	-1587.8	3.462	34.902	34.903	6.407	17.9	11.1	1.06		0.79	0.39	5.11
51	12	1798.1	-1780.5	3.313	34.903	34.902	6.452	18.0	11.6	1.06	3.90	0.96	0.21	3.70
51	11	2001.0	-1980.5	3.169	34.900	34.901	6.467	17.8	11.8	1.03		1.25	0.32	4.11
51	10	2249.1	-2224.8	3.017	34.908	34.908	6.489	17.8	12.3	1.05	3.52	1.34	0.20	3.46
51	9	2501.9	-2473.4	2.931	34.918	34.920	6.433	17.7	13.3	0.99	3.46	0.91	0.16	3.20
51	8	2749.6	-2716.7	2.821	34.936	34.937	6.368	17.9	15.2	1.06		1.38	0.29	3.01
51	7	3000.0	-2962.4	2.725	34.946	34.945	6.291	18.0	16.6	1.06		0.64	0.27	2.70
51	6	3249.1	-3206.5	2.616	34.951	34.951	6.205	18.6	19.7	1.08		0.88	0.13	2.10
51	5	3500.2	-3452.3	2.518	34.951	34.950	6.103	19.3	26.6	1.11				
51	4	3750.6	-3697.2	2.426	34.942	34.940	5.954	20.2	33.1	1.19				
51	3	3964.1	-3905.8	2.369	34.935	34.933	5.858	21.1	37.2	1.16	2.29	0.45	0.12	1.04

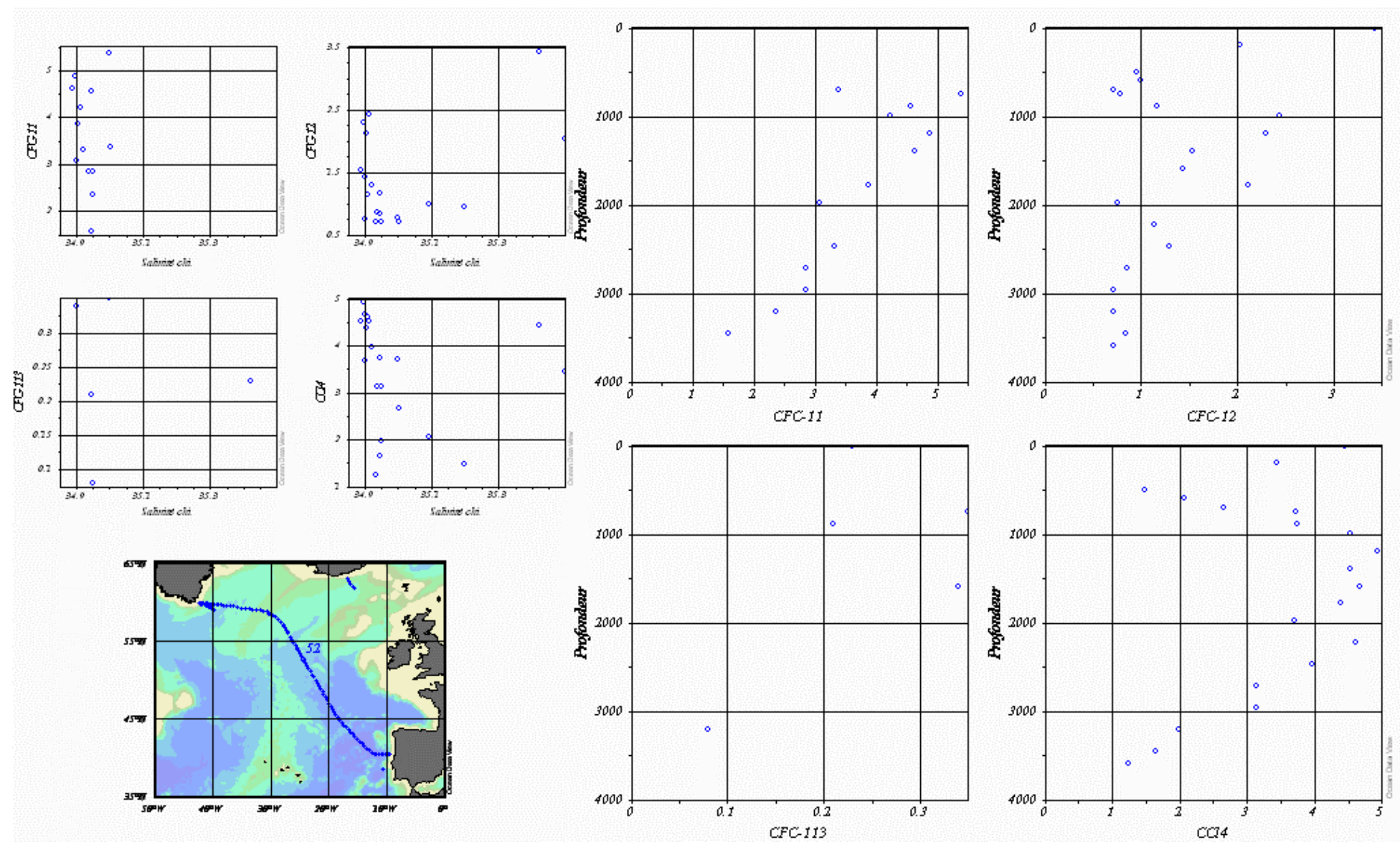




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
52	07/06/2006	09:11:18	52:31:29 N	24:21:80 W	3605m

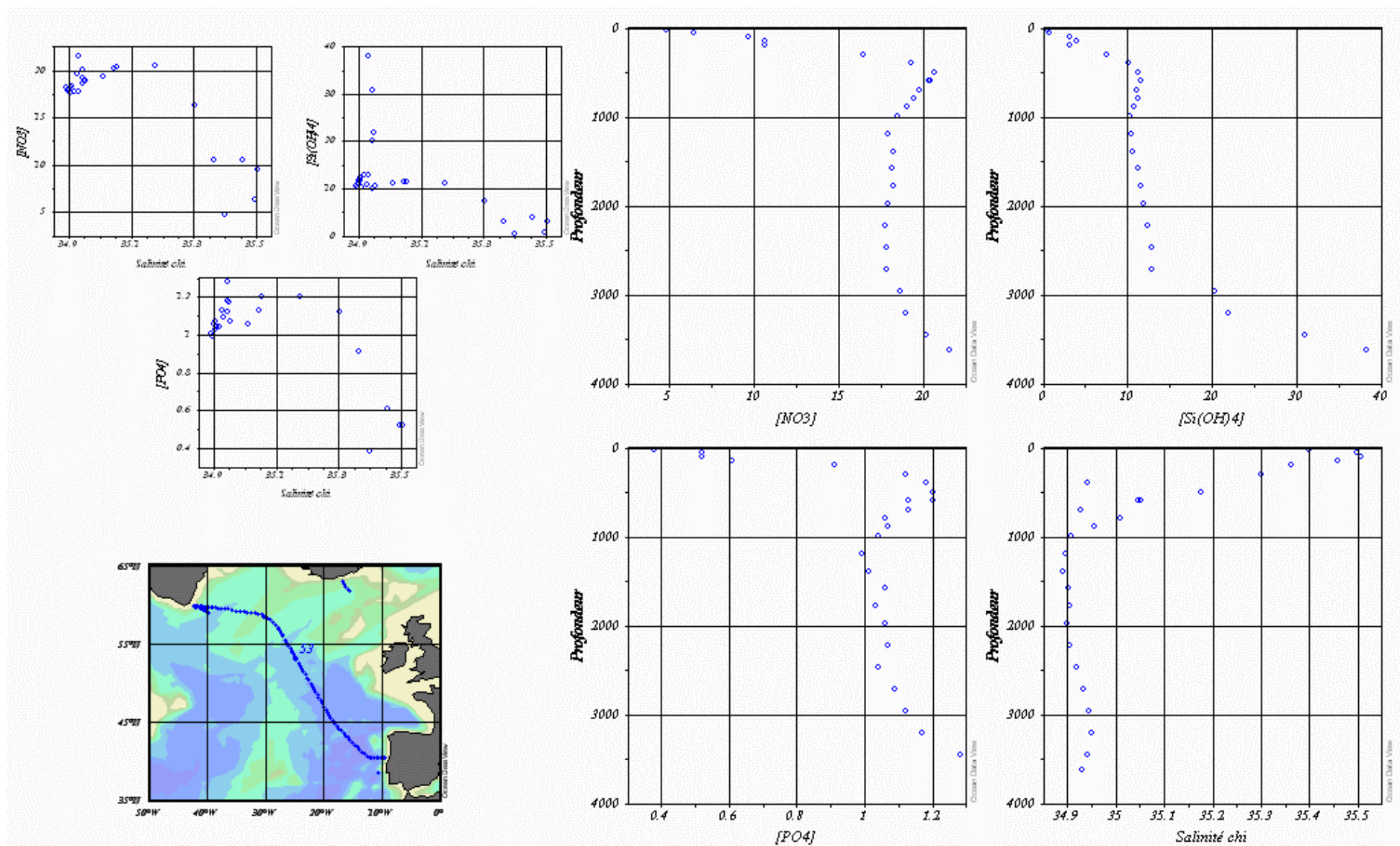
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
52	28	10.4	-10.3	12.571	35.421	35.420	6.313	5.1	0.6	0.29		3.42	0.23	4.44
52	27	50.3	-50.0	11.858	35.397	35.396	6.276	5.5	0.5	0.32				
52	26	100.2	-99.6	11.775	35.502	35.500	5.95	8.2	2.1	0.45				
52	25	151.1	-150.2	11.631	35.498	35.497	5.872	9.9	3.0	0.50				
52	24	200.9	-199.7	11.574	35.495	35.496	5.895	9.8	3.0	0.52		2.03		3.44
52	23	300.2	-298.3	10.811	35.368	35.368	5.326	13.6	5.7	0.66				
52	22	400.5	-397.8	10.046	35.320	35.313	4.593	17.8	8.3	0.93				
52	21	501.4	-498.0	8.630	35.199	35.196	4.399	20.7	10.6	1.04		0.95		1.48
52	20	600.0	-595.8	6.987	35.098	35.093	4.731	20.6	11.5	1.09		0.99		2.07
52	19	700.1	-695.0	5.832	34.999	35.003	5.19	20.5	11.5	1.10	3.38	0.71		2.66
52	18	758.0	-752.4	5.423	34.999	34.997	5.408	20.1	11.4	1.11				
52	17	757.6	-752.0	5.417	34.997	34.997	5.412	19.8	11.2	1.06	5.38	0.78	0.35	3.71
52	16	899.1	-892.2	4.509	34.948	34.946	5.928	18.8	10.9	1.03	4.56	1.16	0.21	3.75
52	15	999.9	-992.0	4.079	34.915	34.912	6.214	18.7	10.3	1.04	4.22	2.43		4.53
52	14	1200.3	-1190.2	3.758	34.897	34.896	6.382	18.6	10.5	1.00	4.87	2.29		4.92
52	13	1400.2	-1387.8	3.510	34.891	34.889	6.462	18.0	10.4	0.99	4.62	1.53		4.53
52	12	1599.9	-1585.0	3.468	34.904	34.902	6.38	18.2	12.4	0.99		1.43	0.34	4.67
52	11	1801.3	-1783.7	3.325	34.905	34.906	6.396	18.2	12.8	1.03	3.87	2.11		4.39
52	10	1999.8	-1979.3	3.153	34.903	34.900	6.462	18.1	11.8	1.02	3.07	0.75		3.69
52	9	2250.0	-2225.7	3.011	34.910	34.907	6.453	18.2	12.1	1.00		1.14		4.60
52	8	2502.8	-2474.3	2.916	34.924	34.922	6.403	17.9	12.9	1.01	3.32	1.29		3.97
52	7	2749.7	-2716.8	2.793	34.939	34.938	6.33	17.8	15.0	1.00	2.84	0.85		3.14
52	6	2999.7	-2962.1	2.658	34.952	34.949	6.214	18.5	18.6	1.00	2.85	0.71		3.13
52	5	3248.4	-3205.8	2.545	34.954	34.951	6.116	19.1	25.3	1.06	2.36	0.71	0.08	1.98
52	4	3500.6	-3452.7	2.452	34.947	34.945	5.986	20.0	30.3	1.14	1.58	0.84		1.64
52	3	3649.1	-3598.0	2.353	34.936	34.933	5.833	21.7	37.5	1.23		0.71		1.24

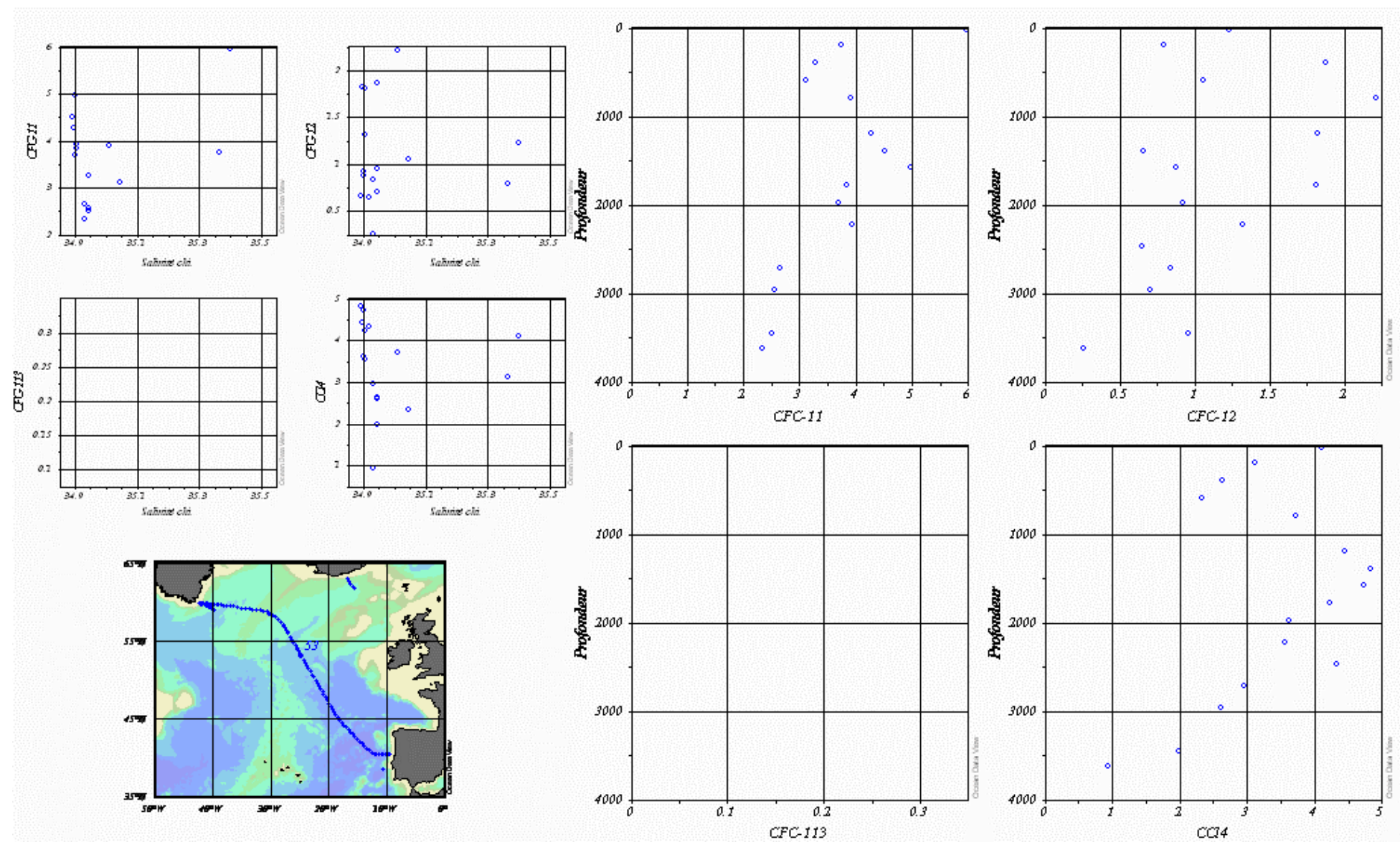




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
53	07/06/2006	17:23:20	52:53:58 N	24:39:27 W	3626m

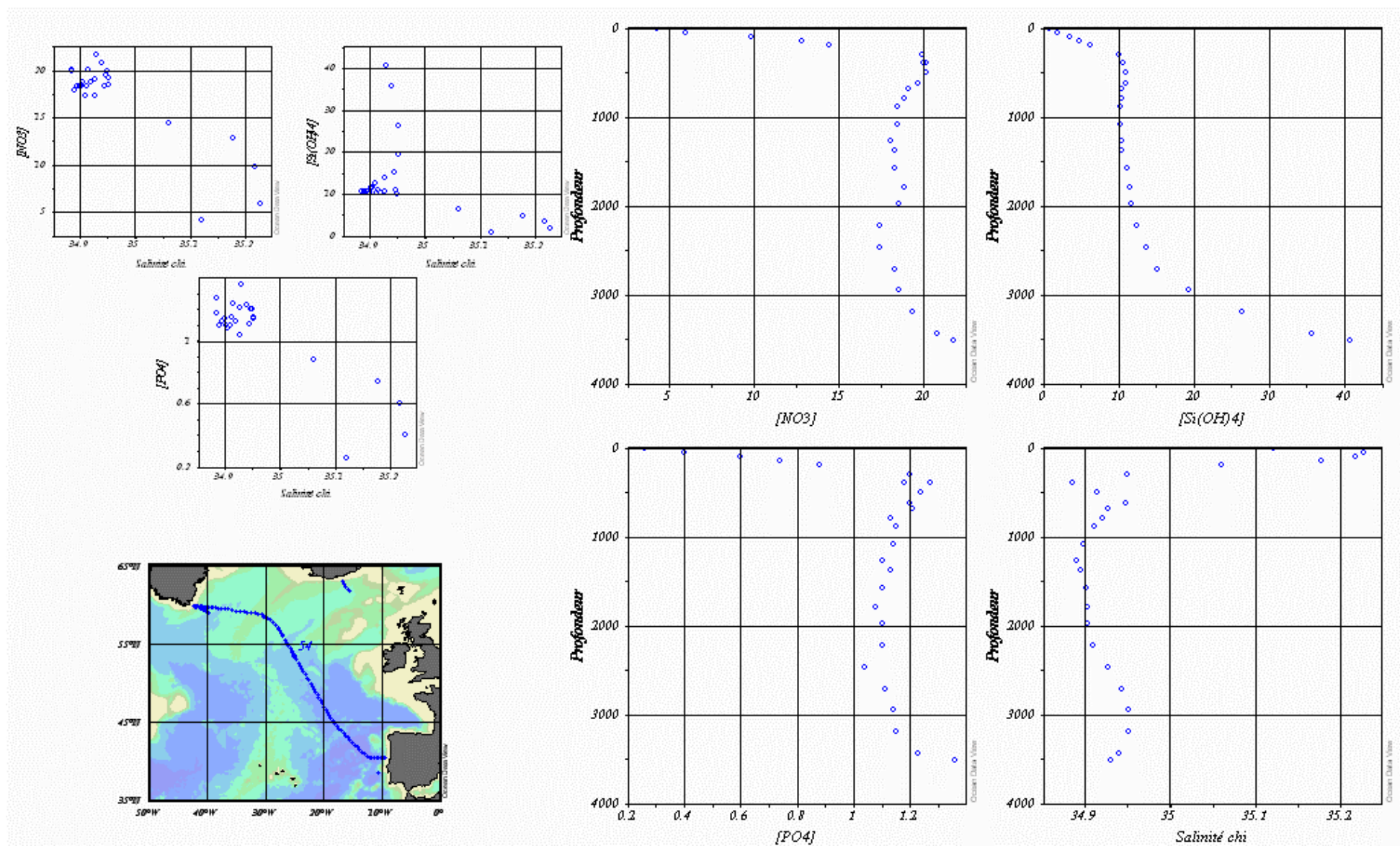
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
53	28	16.1	-16.0	12.809	35.398	35.400	6.347	4.8	0.5	0.38	5.96	1.23		4.11
53	27	49.9	-49.6	12.090	35.491	35.497	6.14	6.4	0.8	0.52				
53	26	100.0	-99.4	11.727	35.503	35.506	5.839	9.6	3.1	0.52				
53	25	149.5	-148.6	11.442	35.458	35.457	5.814	10.6	4.0	0.61				
53	24	199.4	-198.2	10.944	35.363	35.363	5.871	10.6	3.1	0.91	3.75	0.79		3.11
53	23	298.8	-296.9	10.265	35.304	35.301	4.818	16.4	7.5	1.12				
53	22	399.7	-397.1	7.622	34.941	34.943	4.897	19.2	10.1	1.18	3.27	1.87		2.63
53	21	498.7	-495.3	7.807	35.172	35.175	4.537	20.6	11.2	1.20				
53	20	598.9	-594.7	6.390	35.052	35.052	4.984	20.4	11.5	1.20				
53	19	598.0	-593.8	6.391	35.053	35.046	4.996	20.3	11.5	1.13	3.12	1.06		2.33
53	18	698.6	-693.6	4.997	34.929	34.928	5.61	19.7	11.0	1.13				
53	17	800.0	-794.0	5.061	35.012	35.010	5.633	19.4	11.2	1.06	3.91	2.21		3.71
53	16	899.0	-892.1	4.455	34.959	34.955	5.975	19.0	10.7	1.07				
53	15	998.9	-991.0	3.984	34.906	34.907	6.272	18.4	10.2	1.04				
53	14	1199.0	-1189.0	3.715	34.897	34.897	6.393	17.9	10.4	0.99	4.27	1.82		4.44
53	13	1398.9	-1386.5	3.513	34.891	34.890	6.46	18.2	10.5	1.01	4.51	0.66		4.82
53	12	1599.1	-1584.2	3.429	34.901	34.902	6.449	18.1	11.2	1.06	4.96	0.88		4.72
53	11	1799.2	-1781.6	3.307	34.904	34.904	6.422	18.2	11.6	1.03	3.84	1.81		4.23
53	10	1999.1	-1978.6	3.137	34.900	34.900	6.461	17.9	11.8	1.06	3.69	0.92		3.61
53	9	2248.6	-2224.3	3.019	34.907	34.905	6.465	17.7	12.4	1.07	3.93	1.32		3.55
53	8	2500.3	-2471.8	2.928	34.921	34.920	6.43	17.8	12.9	1.04		0.65		4.33
53	7	2748.2	-2715.3	2.810	34.934	34.932	6.36	17.8	12.9	1.09	2.65	0.84		2.96
53	6	2997.9	-2960.3	2.674	34.945	34.945	6.163	18.6	20.2	1.12	2.56	0.70		2.61
53	5	3245.7	-3203.2	2.558	34.951	34.949	6.112	18.9	21.8	1.17				
53	4	3498.9	-3451.1	2.441	34.941	34.942	5.946	20.1	30.9	1.28	2.51	0.96		1.99
53	3	3675.4	-3623.7	2.339	34.930	34.930	5.759	21.5	38.1		2.33	0.26		0.94

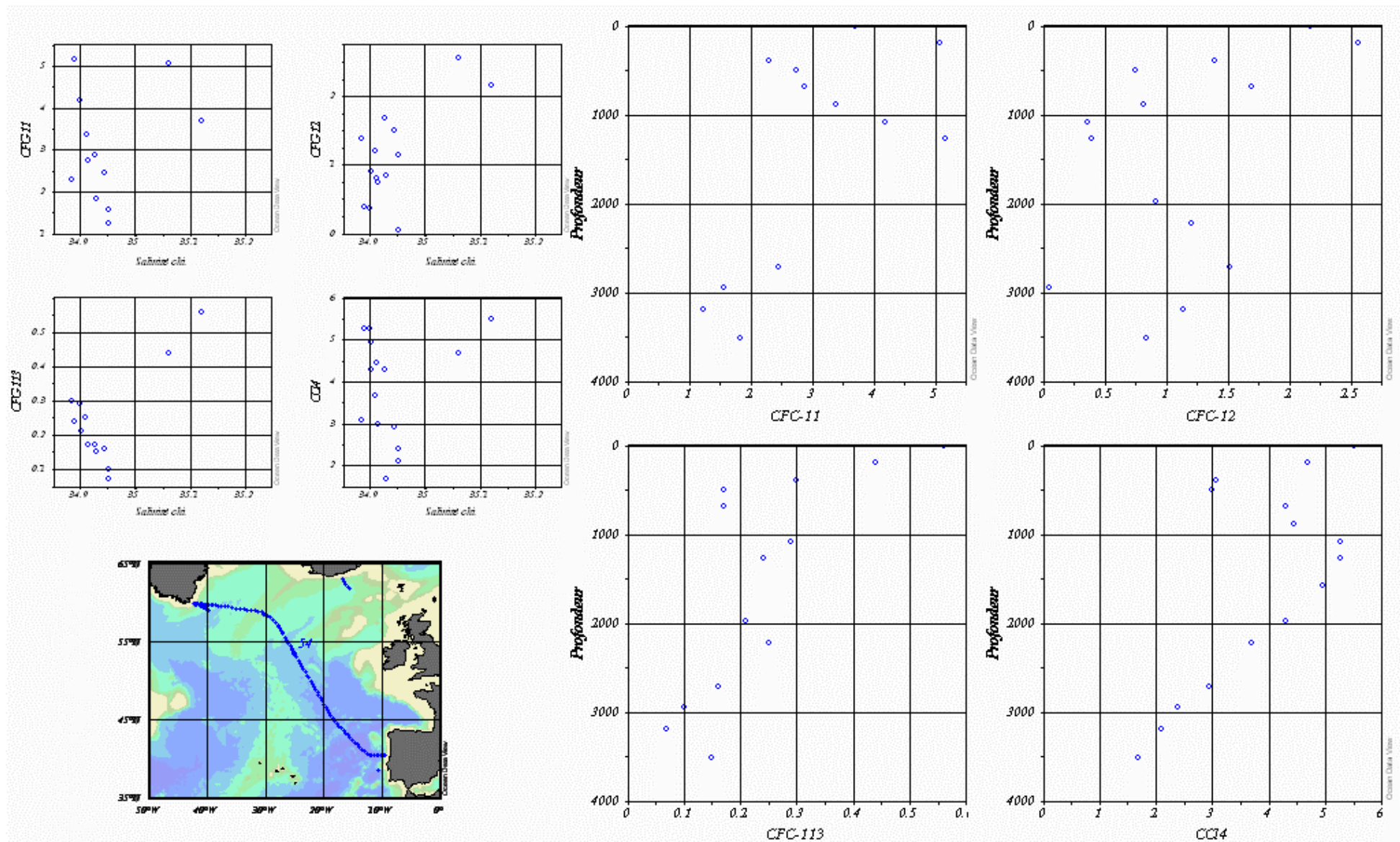




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
54	07/06/2006	23:27:13	53:16:15 N	24:56:92 W	3532m

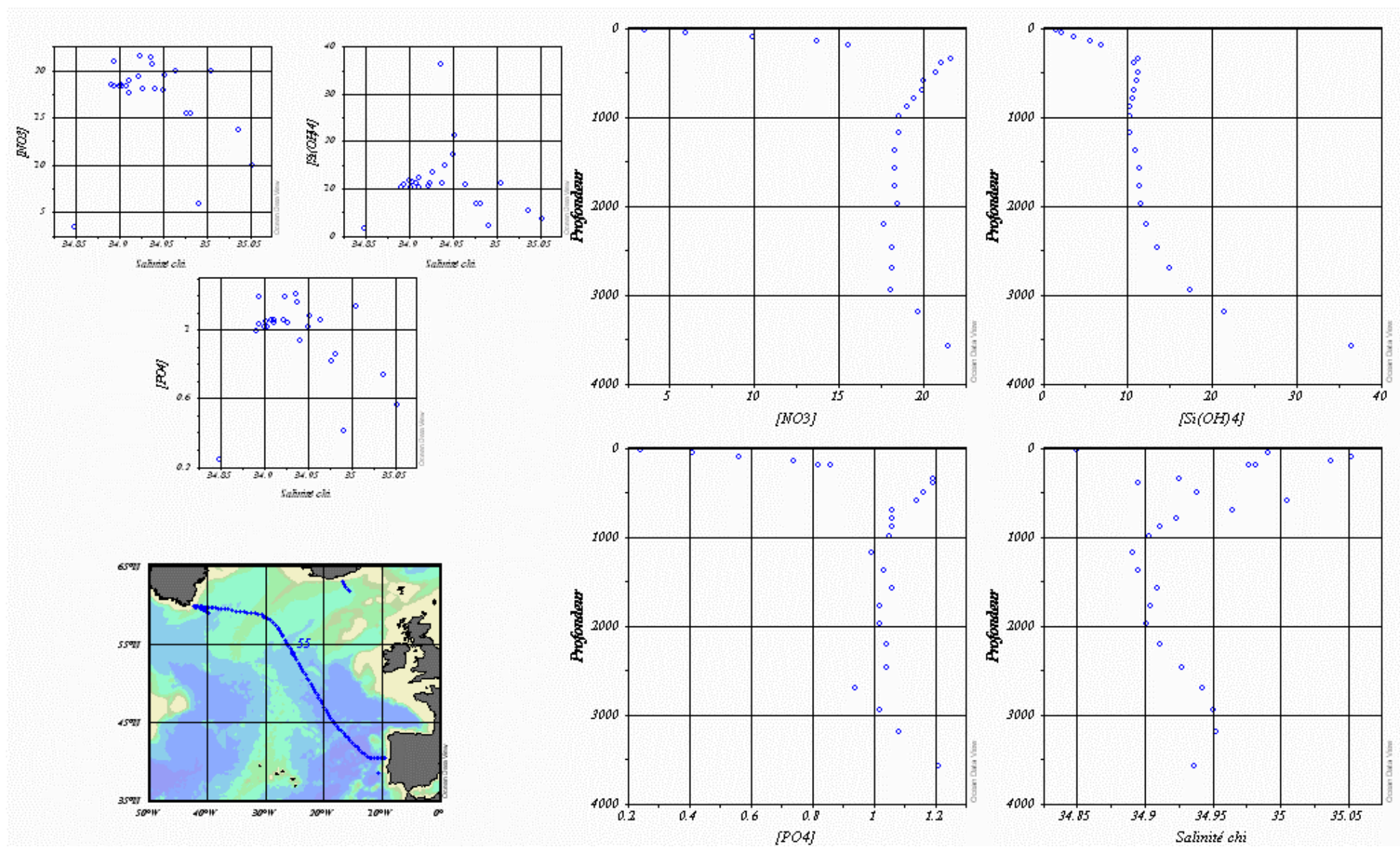
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
54	28	10.7	-10.6	12.224	35.119	35.121	6.46	4.2	0.8	0.26	3.70	2.17	0.56	5.51
54	27	49.9	-49.5	11.640	35.216	35.229	6.242	5.9	1.9	0.40				
54	26	100.6	-99.7	10.699	35.226	35.219	5.854	9.8	3.5	0.60				
54	25	149.8	-148.4	10.065	35.181	35.178	5.656	12.8	4.8	0.74				
54	24	198.9	-197.0	9.210	35.068	35.060	5.588	14.4	6.2	0.88	5.06	2.56	0.44	4.69
54	23	303.4	-300.5	7.826	34.960	34.949	4.809	19.9	10.0	1.20				
54	22	399.7	-395.8	6.568	34.885	34.885	5.037	20.0	10.6	1.18	2.29	1.39	0.30	3.07
54	21	401.0	-397.1	6.548	34.886	34.885	5.041	20.1	10.6	1.27				
54	20	499.3	-494.3	5.630	34.915	34.913	5.295	20.1	11.0	1.24	2.74	0.75	0.17	2.98
54	19	629.7	-623.2	5.036	34.949	34.947	5.594	19.6	10.9	1.20				
54	18	698.7	-691.3	4.543	34.926	34.926	5.895	19.1	10.5	1.21	2.88	1.69	0.17	4.30
54	17	801.0	-792.4	4.265	34.921	34.920	6.071	18.8	10.4	1.13				
54	16	899.7	-889.8	4.047	34.913	34.911	6.224	18.4	10.2	1.15	3.38	0.81		4.45
54	15	1100.2	-1087.6	3.742	34.900	34.898	6.395	18.4	10.2	1.14	4.18	0.36	0.29	5.27
54	14	1289.4	-1274.0	3.549	34.892	34.890	6.624	18.0	10.5	1.10	5.16	0.39	0.24	5.27
54	13	1399.0	-1382.0	3.489	34.895	34.894	6.476	18.3	10.5	1.13				
54	12	1599.9	-1579.7	3.423	34.904	34.901	6.4	18.3	11.1	1.10				4.95
54	11	1819.2	-1795.3	3.262	34.905	34.903	6.427	18.8	11.5	1.08				
54	10	1999.3	-1972.2	3.106	34.904	34.902	6.466	18.5	11.7	1.10		0.91	0.21	4.29
54	9	2248.5	-2216.7	2.989	34.912	34.909	6.451	17.4	12.5	1.10		1.20	0.25	3.68
54	8	2499.5	-2462.7	2.878	34.929	34.927	6.376	17.4	13.7	1.04				
54	7	2750.3	-2708.2	2.755	34.947	34.943	6.317	18.3	15.2	1.11	2.46	1.51	0.16	2.93
54	6	2999.0	-2951.4	2.620	34.953	34.951	6.178	18.5	19.4	1.14	1.57	0.05	0.10	2.39
54	5	3248.7	-3195.3	2.520	34.951	34.951	6.093	19.3	26.4	1.15	1.24	1.14	0.07	2.10
54	4	3500.3	-3440.8	2.392	34.941	34.939	5.863	20.8	35.6	1.23				
54	3	3575.7	-3514.3	2.324	34.932	34.930	5.755	21.7	40.7	1.36	1.83	0.84	0.15	1.69

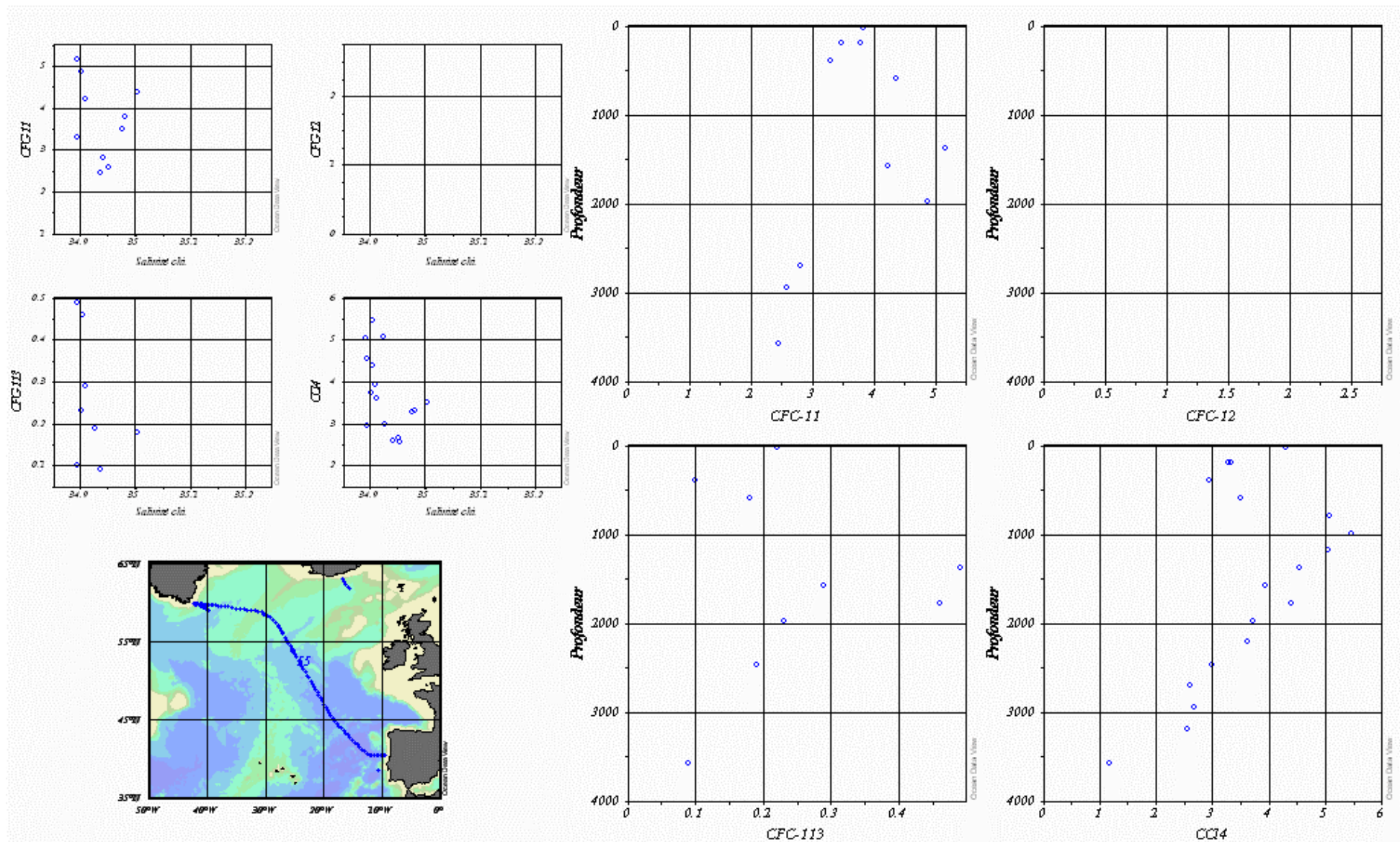




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
55	08/06/2006	05:19:28	53:38:36 N	25:14:35 W	3590m

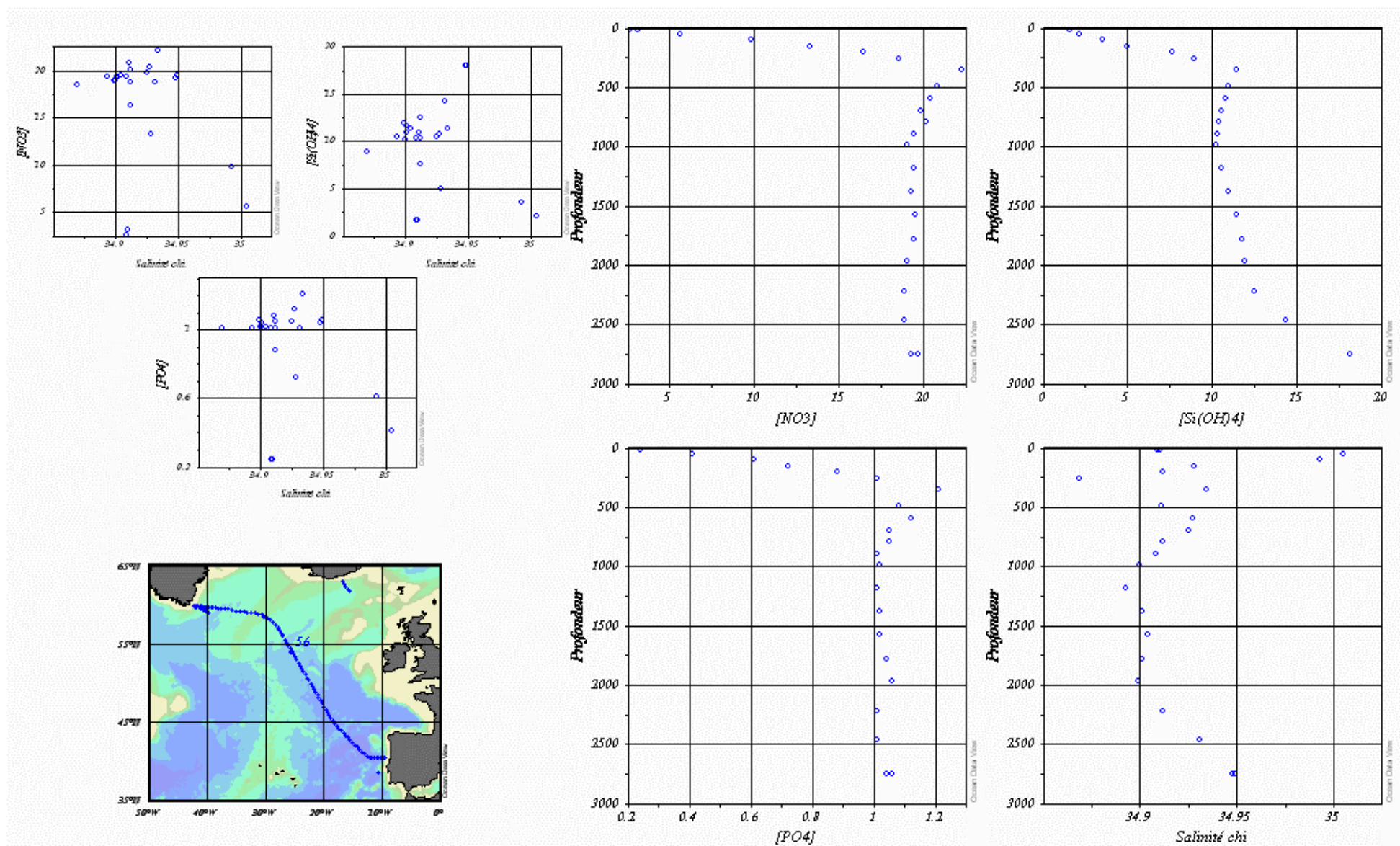
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
55	27	16.7	-16.6	11.726	34.849	34.850	6.589	3.5	1.5	0.24	3.82		0.22	4.30
55	26	49.3	-48.9	10.399	34.994	34.991	6.399	5.9	2.1	0.41				
55	25	99.7	-98.8	9.723	35.054	35.052	6.014	9.9	3.6	0.56				
55	24	150.0	-148.6	9.138	35.033	35.037	5.731	13.7	5.5	0.74				
55	23	198.1	-196.2	8.612	34.982	34.982	5.581	15.5	6.8	0.86	3.78			3.32
55	22	198.5	-196.6	8.588	34.978	34.977	5.586	15.5	6.8	0.82	3.48			3.27
55	21	350.9	-347.5	7.026	34.929	34.925	4.688	21.6	11.2	1.19				
55	20	400.2	-396.3	6.312	34.897	34.895	5.068	21.0	10.8	1.19	3.29		0.10	2.94
55	19	498.2	-493.2	5.568	34.939	34.938	5.303	20.7	11.2	1.16				
55	18	599.3	-593.1	5.390	35.007	35.005	5.458	20.0	11.1	1.14	4.36		0.18	3.49
55	17	699.9	-692.5	4.758	34.967	34.965	5.783	19.9	10.8	1.06				
55	16	800.6	-791.9	4.273	34.923	34.923	6.069	19.4	10.5	1.06	5.93			5.08
55	15	898.9	-889.0	4.013	34.913	34.911	6.239	19.0	10.3	1.06				
55	14	1000.2	-988.9	3.812	34.902	34.903	6.347	18.5	10.2	1.05	6.05			5.46
55	13	1198.6	-1184.5	3.578	34.894	34.891	6.445	18.5	10.3	0.99	6.42			5.05
55	12	1400.3	-1383.2	3.488	34.897	34.895	6.423	18.3	10.9	1.03	5.16		0.49	4.54
55	11	1599.8	-1579.5	3.404	34.907	34.909	6.376	18.3	11.3	1.06	4.22		0.29	3.94
55	10	1799.8	-1776.1	3.261	34.905	34.904	6.43	18.3	11.4	1.02	5.96		0.46	4.39
55	9	1998.5	-1971.3	3.122	34.902	34.901	6.467	18.4	11.6	1.02	4.86		0.23	3.72
55	8	2247.2	-2215.3	3.001	34.913	34.911	6.447	17.6	12.2	1.04				3.61
55	7	2500.7	-2463.8	2.874	34.929	34.927	6.39	18.1	13.5	1.04			0.19	2.99
55	6	2749.0	-2706.9	2.778	34.942	34.942	6.329	18.1	14.9	0.94	2.81			2.59
55	5	2997.2	-2949.6	2.661	34.953	34.951	6.254	18.0	17.3	1.02	2.59			2.67
55	4	3247.8	-3194.3	2.541	34.954	34.953	6.135	19.6	21.4	1.08				2.55
55	3	3636.8	-3573.7	2.372	34.938	34.936	5.83	21.4	36.4	1.21	2.45		0.09	1.17

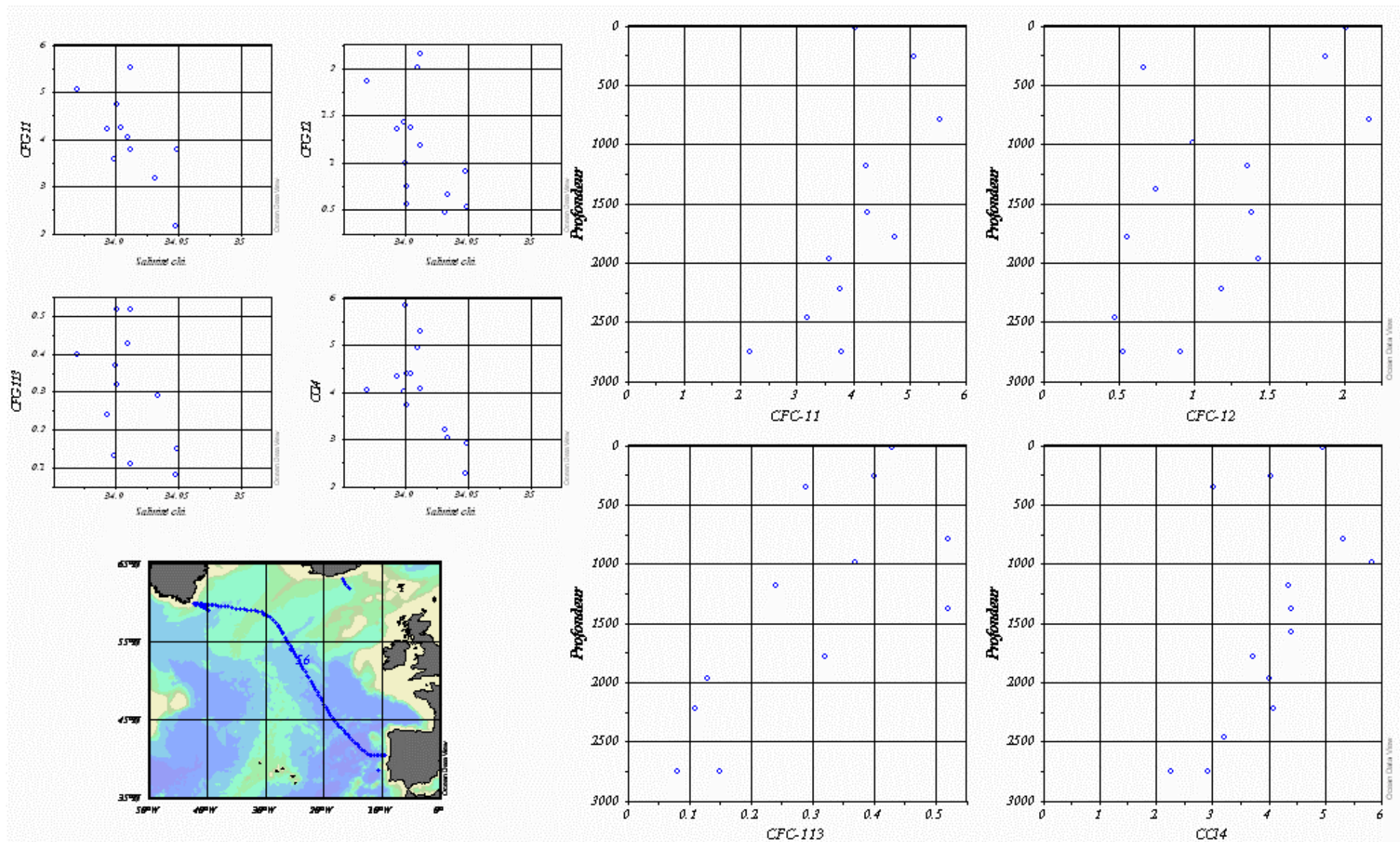




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
56	08/06/2006	09:46:57	53:49:69 N	25:23:18 W	2782m

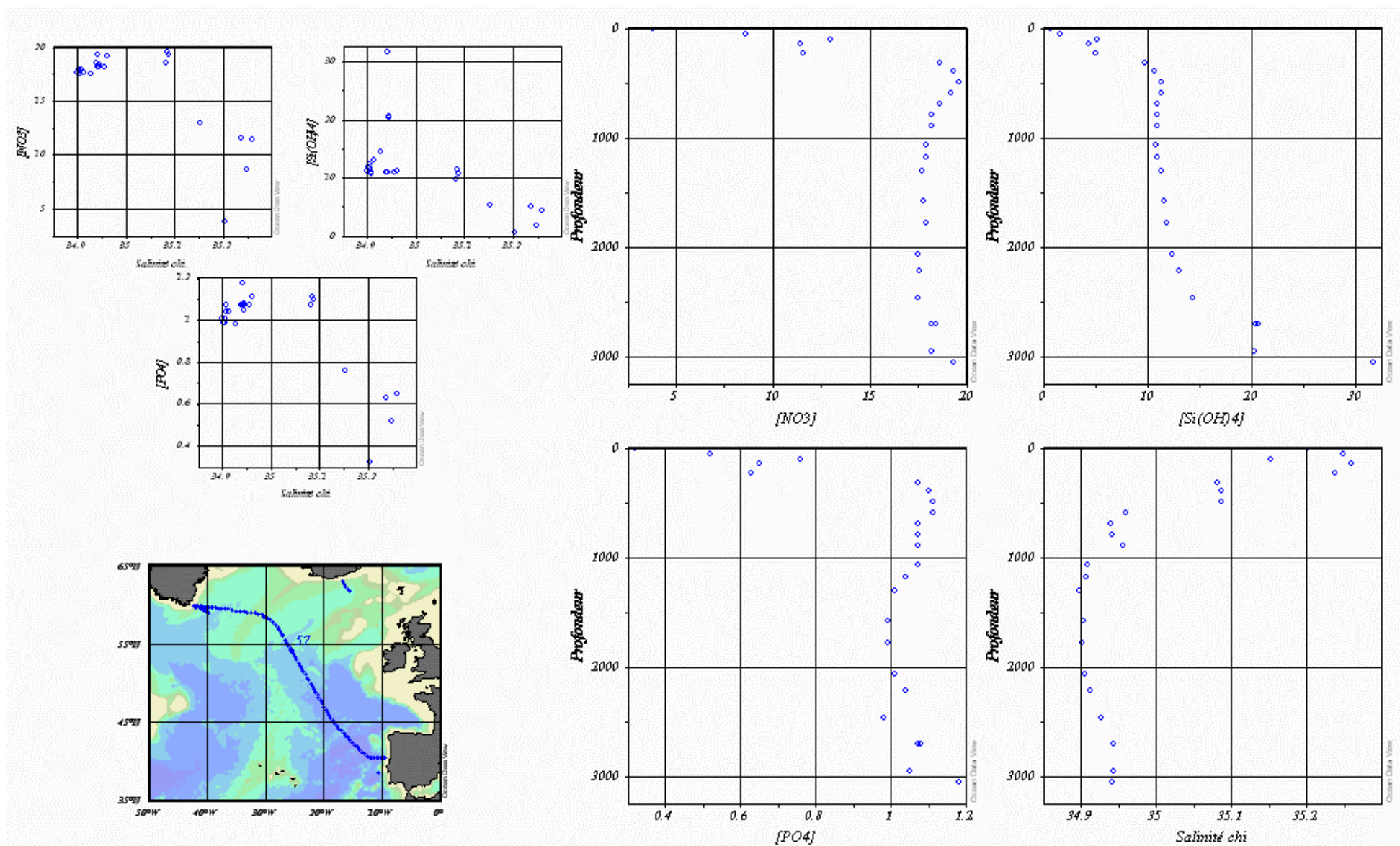
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
56	25	17.3	-17.1	11.775	34.899	34.909	6.603	2.6	1.6	0.24				
56	24	17.7	-17.5	11.779	34.905	34.910	6.613	3.1	1.6	0.24	4.03	2.01	0.43	4.94
56	23	50.8	-50.3	10.303	34.998	35.005	6.407	5.6	2.1	0.41				
56	22	100.0	-99.1	9.327	34.998	34.993	6.13	9.8	3.5	0.61				
56	21	151.6	-150.2	8.486	34.934	34.928	6.03	13.3	5.0	0.72				
56	20	199.6	-197.7	8.023	34.909	34.912	5.589	16.4	7.6	0.88				
56	19	260.8	-258.3	7.224	34.868	34.869	5.428	18.5	8.9	1.01	5.07	1.87	0.40	4.04
56	18	360.2	-356.7	6.736	34.935	34.934	4.788	22.2	11.4	1.21		0.67	0.29	3.02
56	17	500.2	-495.1	5.247	34.912	34.911	5.479	20.8	10.9	1.08				
56	16	600.9	-594.7	4.764	34.928	34.927	5.772	20.4	10.8	1.12				
56	15	700.2	-692.8	4.438	34.925	34.925	5.96	19.8	10.5	1.05				
56	14	801.7	-793.0	4.129	34.912	34.912	6.164	20.1	10.4	1.05	5.52	2.16	0.52	5.30
56	13	900.2	-890.2	3.943	34.907	34.908	6.27	19.4	10.3	1.01				
56	12	1000.1	-988.8	3.786	34.900	34.900	6.448	19.0	10.2	1.02		0.99	0.37	5.83
56	11	1200.5	-1186.4	3.589	34.896	34.893	6.457	19.4	10.5	1.01	4.21	1.36	0.24	4.34
56	10	1401.6	-1384.4	3.482	34.902	34.901	6.405	19.2	10.9	1.02		0.75	0.52	4.38
56	9	1600.9	-1580.6	3.347	34.905	34.904	6.395	19.5	11.4	1.02	4.24	1.38		4.39
56	8	1800.9	-1777.2	3.203	34.902	34.901	6.45	19.4	11.7	1.04	4.74	0.56	0.32	3.72
56	7	2000.3	-1973.0	3.092	34.902	34.899	6.469	19.0	11.9	1.06	3.58	1.43	0.13	4.01
56	6	2249.9	-2217.9	2.977	34.915	34.912	6.445	18.8	12.5	1.01	3.77	1.18	0.11	4.07
56	5	2502.0	-2465.0	2.861	34.933	34.931	6.356	18.8	14.3	1.01	3.17	0.48		3.20
56	4	2797.5	-2754.3	2.672	34.952	34.949	6.201	19.6	18.1	1.06	3.79	0.53	0.15	2.91
56	3	2797.1	-2753.9	2.672	34.951	34.948	6.23	19.2	18.1	1.04	2.16	0.91	0.08	2.27

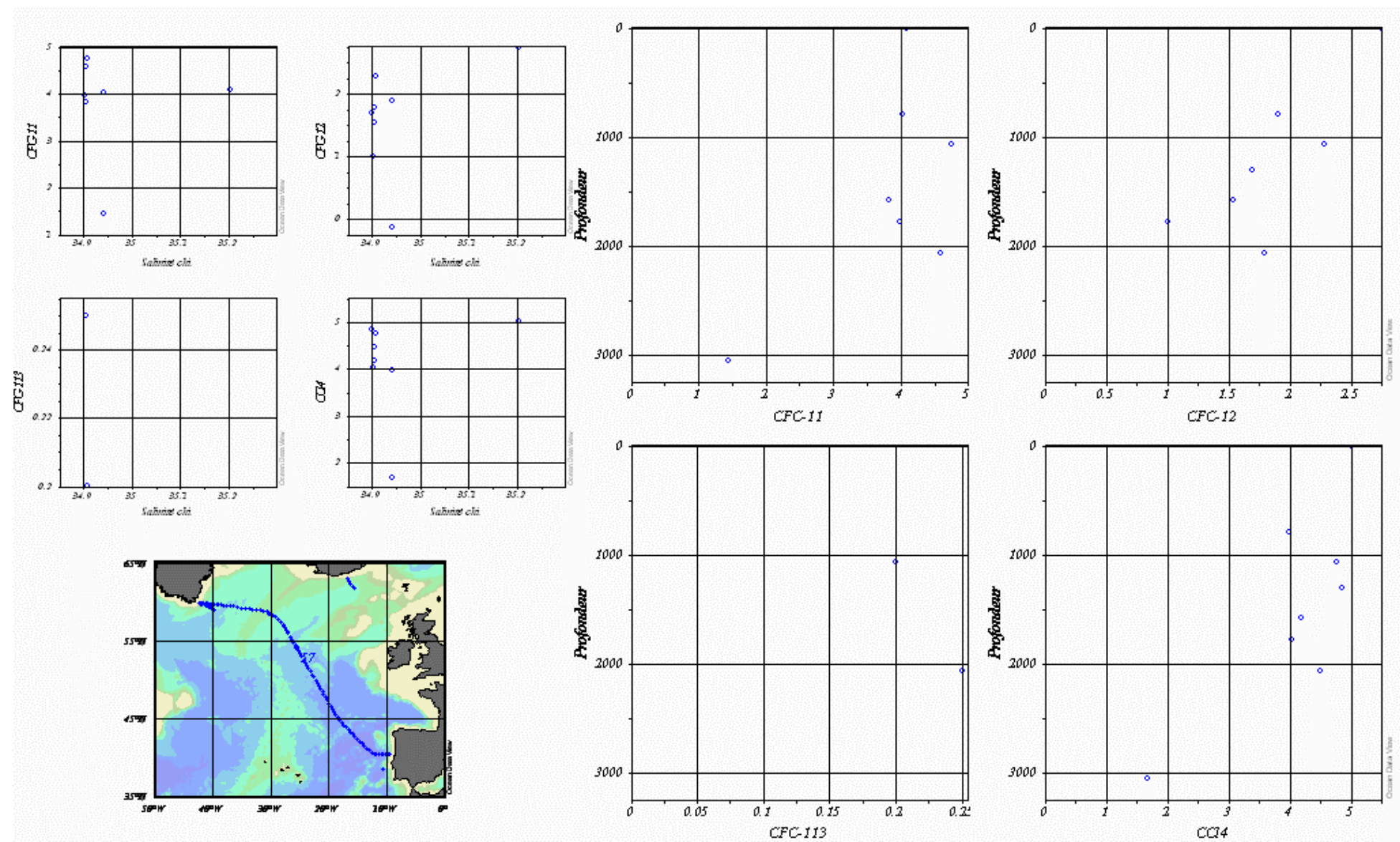




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
57	08/06/2006	13:46:44	54:00:92 N	25:32:14 W	3078m

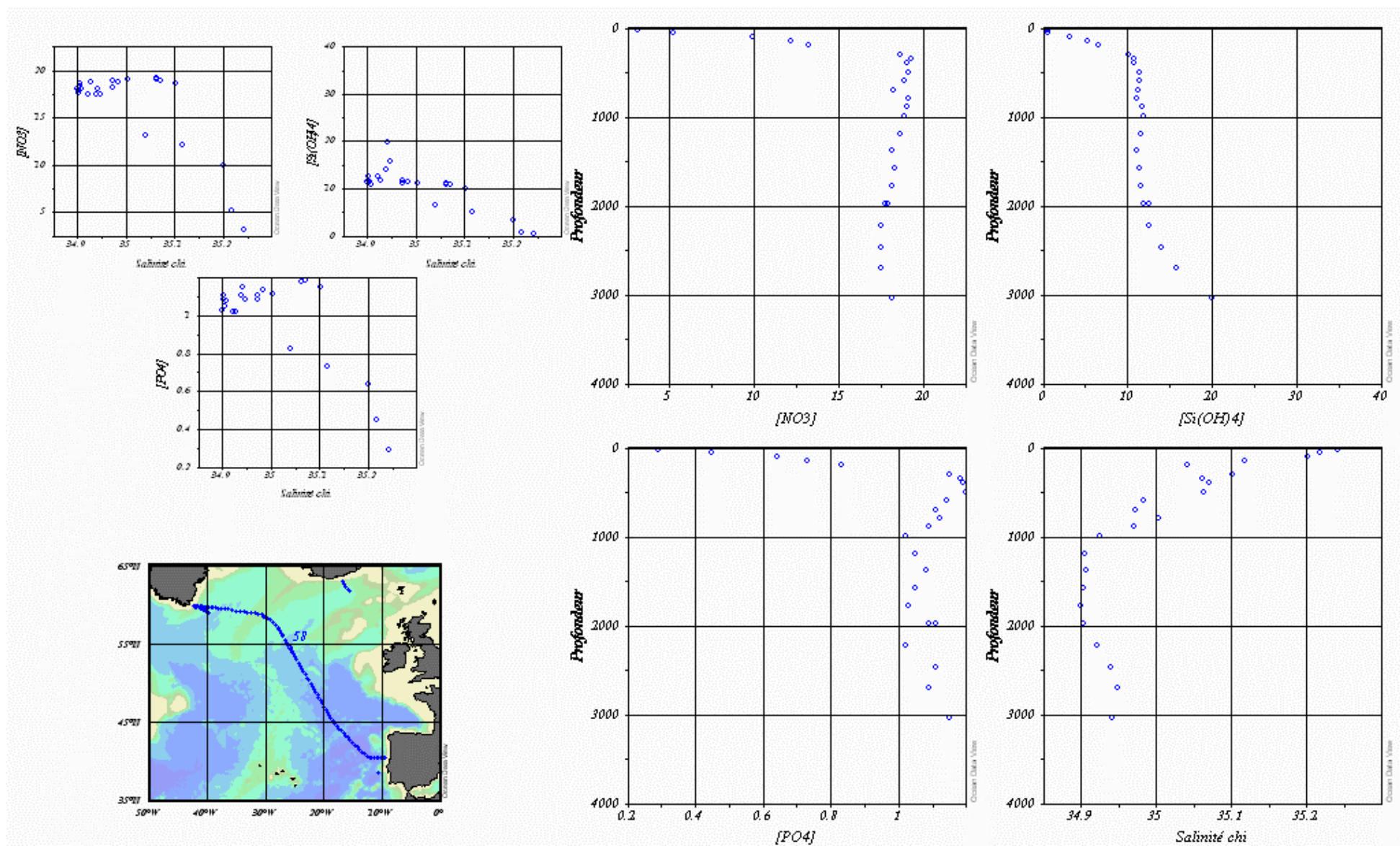
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
57	26	11.7	-11.6	11.861	35.194	35.202	6.498	3.8	0.7	0.32	4.08	2.75		5.01
57	25	50.6	-50.1	10.848	35.247	35.249	6.034	8.6	1.7	0.52				
57	24	101.2	-100.3	9.755	35.146	35.152	5.619	13.0	5.2	0.76				
57	23	151.2	-149.8	9.866	35.260	35.259	6.106	11.4	4.4	0.65				
57	22	231.0	-228.8	9.720	35.242	35.238	6.041	11.6	5.0	0.63				
57	21	319.5	-316.4	8.298	35.077	35.081	4.787	18.6	9.7	1.07				
57	20	402.2	-398.2	7.469	35.090	35.087	4.877	19.3	10.7	1.10				
57	19	500.1	-495.0	6.520	35.084	35.086	5.028	19.6	11.4	1.11				
57	18	599.8	-593.6	5.148	34.965	34.960	5.544	19.2	11.3	1.11				
57	17	699.2	-691.8	4.680	34.947	34.940	5.854	18.6	11.0	1.07				
57	16	800.5	-791.8	4.375	34.945	34.942	5.991	18.2	10.9	1.07	4.02	1.90		3.97
57	15	900.0	-890.0	4.309	34.958	34.956	6.034	18.2	11.0	1.07				
57	14	1079.9	-1067.5	3.812	34.911	34.909	6.309	17.9	10.8	1.07	4.75	2.28	0.20	4.76
57	13	1200.0	-1185.9	3.694	34.907	34.907	6.337	17.9	11.0	1.04				
57	12	1320.0	-1304.1	3.566	34.900	34.898	6.46	17.7	11.3	1.01		1.69		4.84
57	11	1601.5	-1581.1	3.383	34.905	34.904	6.409	17.8	11.6	0.99	3.83	1.54		4.18
57	10	1800.1	-1776.4	3.244	34.902	34.902	6.441	17.9	11.8	0.99	3.98	1.00		4.03
57	9	2097.4	-2068.3	3.076	34.907	34.905	6.462	17.5	12.4	1.01	4.58	1.79	0.25	4.48
57	8	2249.9	-2217.9	3.018	34.916	34.912	6.436	17.6	13.1	1.04				
57	7	2499.9	-2462.9	2.888	34.931	34.928	6.38	17.5	14.4	0.98				
57	6	2750.9	-2708.6	2.678	34.947	34.944	6.162	18.2	20.4	1.07				
57	5	2749.5	-2707.3	2.677	34.947	34.944	6.165	18.4	20.6	1.08				
57	4	2998.7	-2950.9	2.496	34.947	34.944	6.042	18.2	20.3	1.05				
57	3	3103.7	-3053.5	2.459	34.946	34.941	5.969	19.3	31.6	1.18	1.44	-0.12		1.68

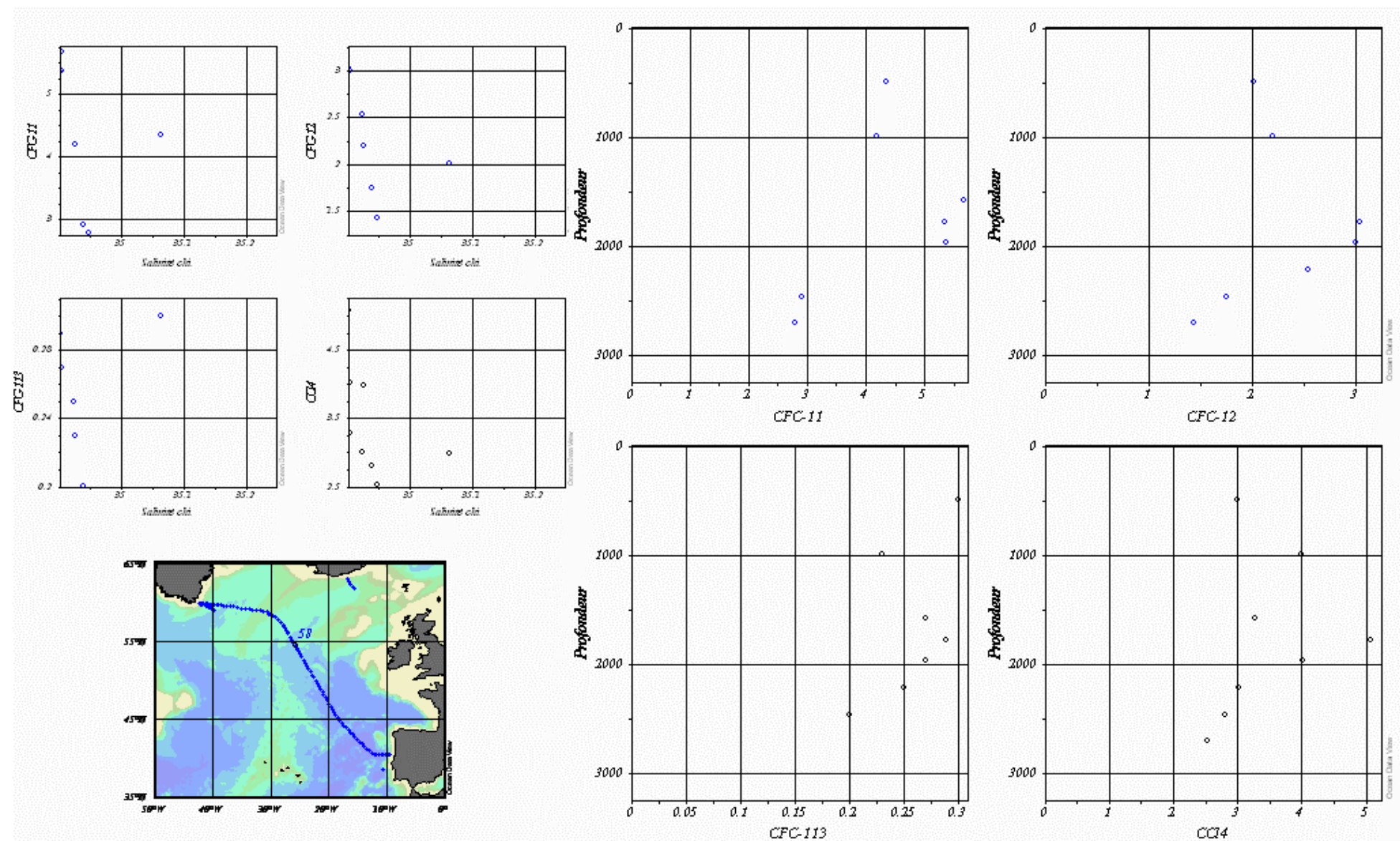




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
58	08/06/2006	18:43:59	54:23:20 N	25:49:61 W	3058m

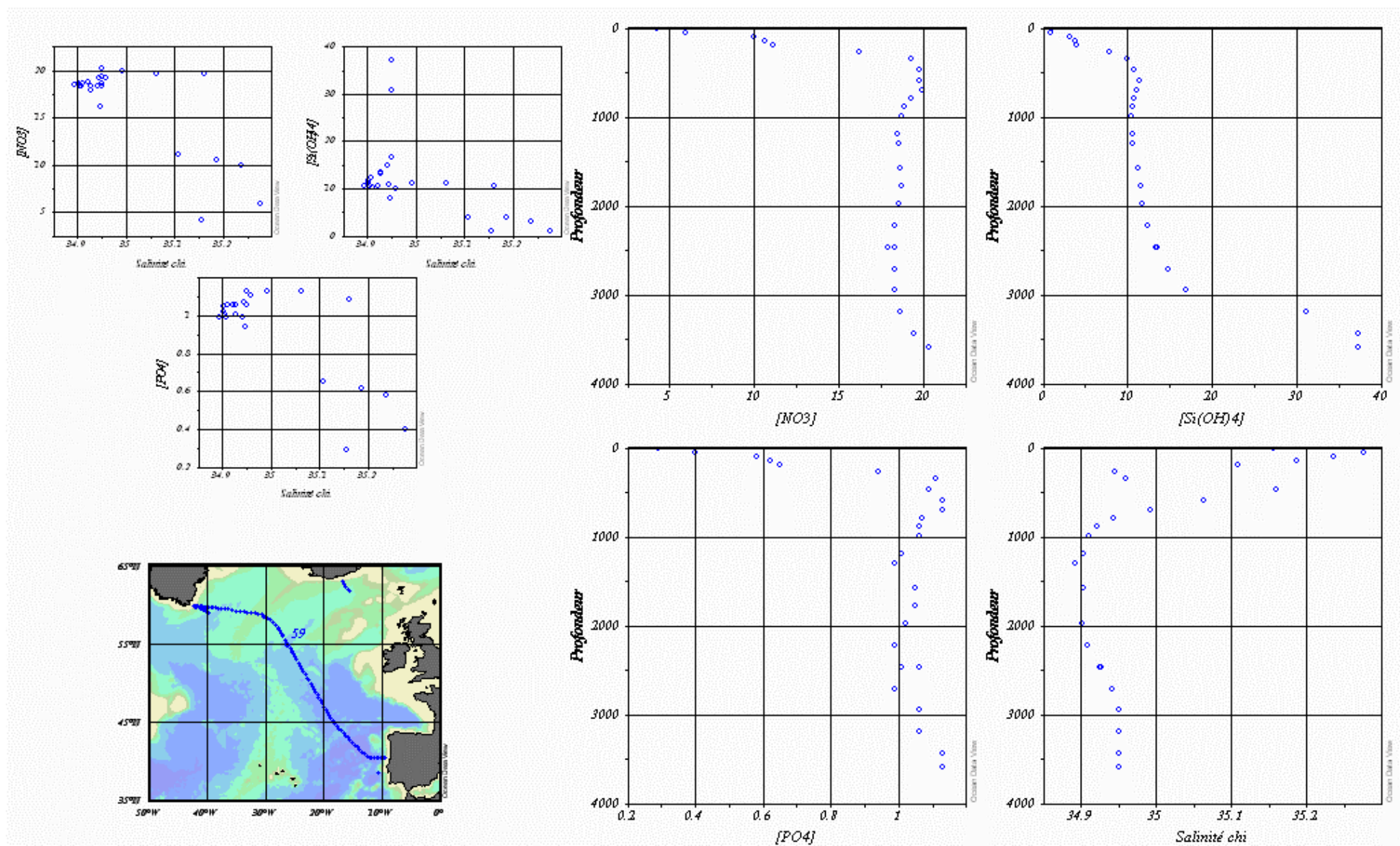
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
58	26	20.1	-19.9	11.922	35.243	35.241	6.463	3.1	0.5	0.29				
58	25	51.0	-50.5	10.894	35.226	35.217	6.233	5.2	0.6	0.45				
58	24	100.1	-99.2	10.168	35.199	35.201	5.89	9.9	3.2	0.64				
58	23	149.8	-148.4	9.636	35.125	35.117	5.639	12.1	5.2	0.73				
58	22	199.0	-197.1	9.093	35.048	35.041	5.497	13.2	6.5	0.83				
58	21	300.4	-297.5	8.577	35.107	35.102	4.539	18.6	10.1	1.15				
58	20	352.1	-348.6	7.906	35.061	35.061	4.592	19.2	10.8	1.18				
58	19	400.4	-396.4	7.513	35.074	35.071	4.779	19.0	10.8	1.19				
58	18	499.8	-494.7	6.716	35.065	35.063	4.961	19.1	11.3	1.20	4.35	2.01	0.30	2.99
58	17	599.8	-593.6	5.557	34.983	34.983	5.371	18.8	11.4	1.14				
58	16	700.3	-692.9	4.983	34.973	34.973	5.64	18.2	11.2	1.11				
58	15	801.6	-792.9	4.863	35.007	35.004	5.695	19.1	11.1	1.12				
58	14	899.2	-889.2	4.458	34.972	34.971	5.899	19.0	11.7	1.09				
58	13	999.7	-988.4	4.020	34.930	34.926	6.15	18.8	11.8	1.02	4.19	2.20	0.23	3.99
58	12	1200.1	-1185.9	3.696	34.907	34.905	6.313	18.6	11.5	1.05				
58	11	1400.4	-1383.2	3.562	34.911	34.908	6.328	18.1	11.0	1.08				
58	10	1599.8	-1579.4	3.391	34.908	34.904	6.387	18.3	11.4	1.05	5.68		0.27	3.28
58	9	1801.0	-1777.2	3.242	34.904	34.900	6.43	18.1	11.5	1.03	5.35	3.03	0.29	5.08
58	8	2001.8	-1974.4	3.135	34.907	34.903	6.369	17.9	11.8	1.11				
58	7	2000.0	-1972.6	3.135	34.906	34.903	6.432	17.7	12.5	1.09	5.37	3.00	0.27	4.02
58	6	2250.1	-2218.0	2.936	34.927	34.922	6.383	17.5	12.5	1.02		2.53	0.25	3.01
58	5	2500.1	-2463.0	2.794	34.944	34.939	6.311	17.5	14.0	1.11	2.91	1.75	0.20	2.80
58	4	2748.4	-2706.1	2.652	34.953	34.948		17.5	15.7	1.09	2.79	1.43		2.52
58	3	3085.7	-3035.8	2.431	34.945	34.941		18.1	19.9	1.15				

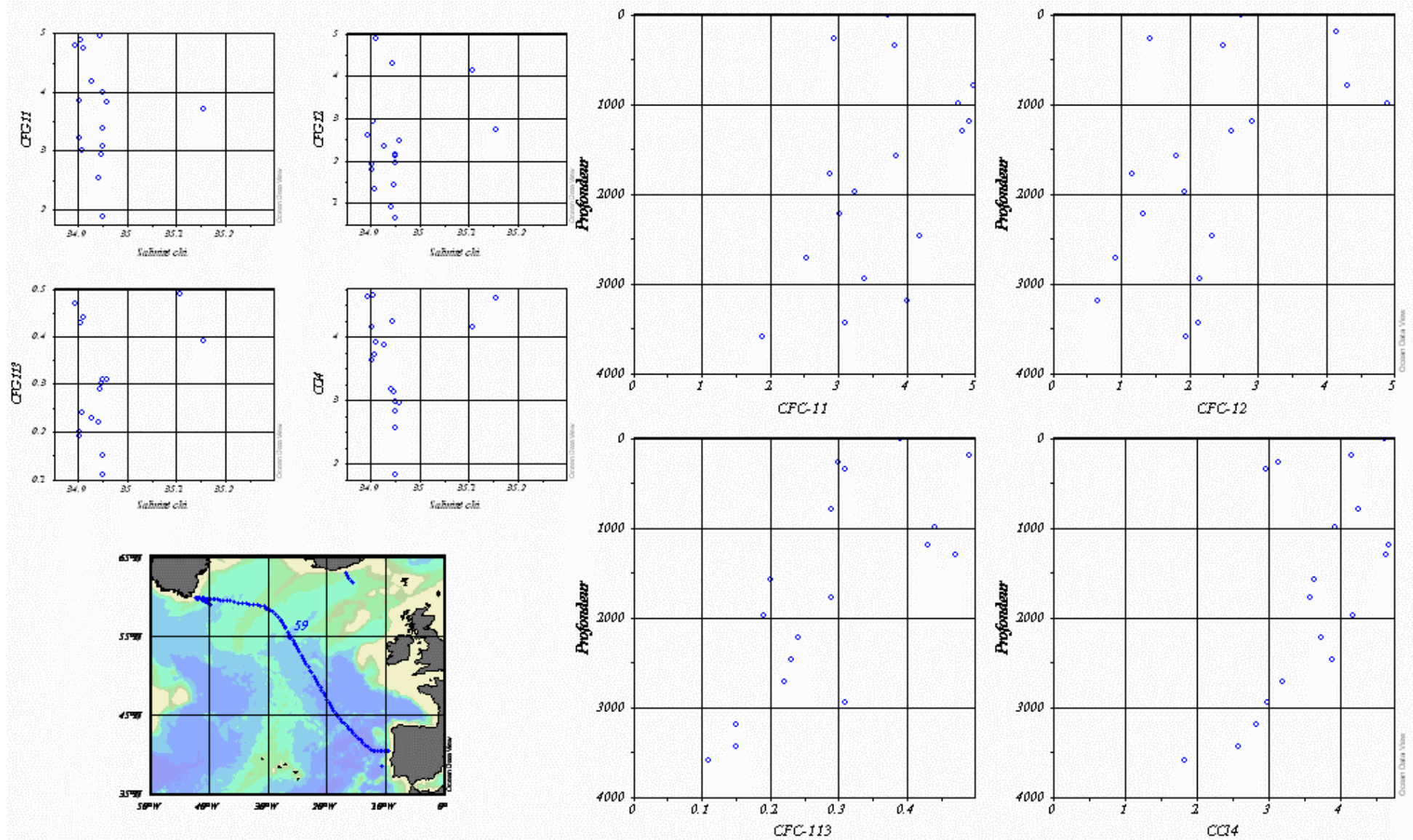




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
59	09/06/2006	01:52:46	54:45:69 N	26:07:31 W	3621m

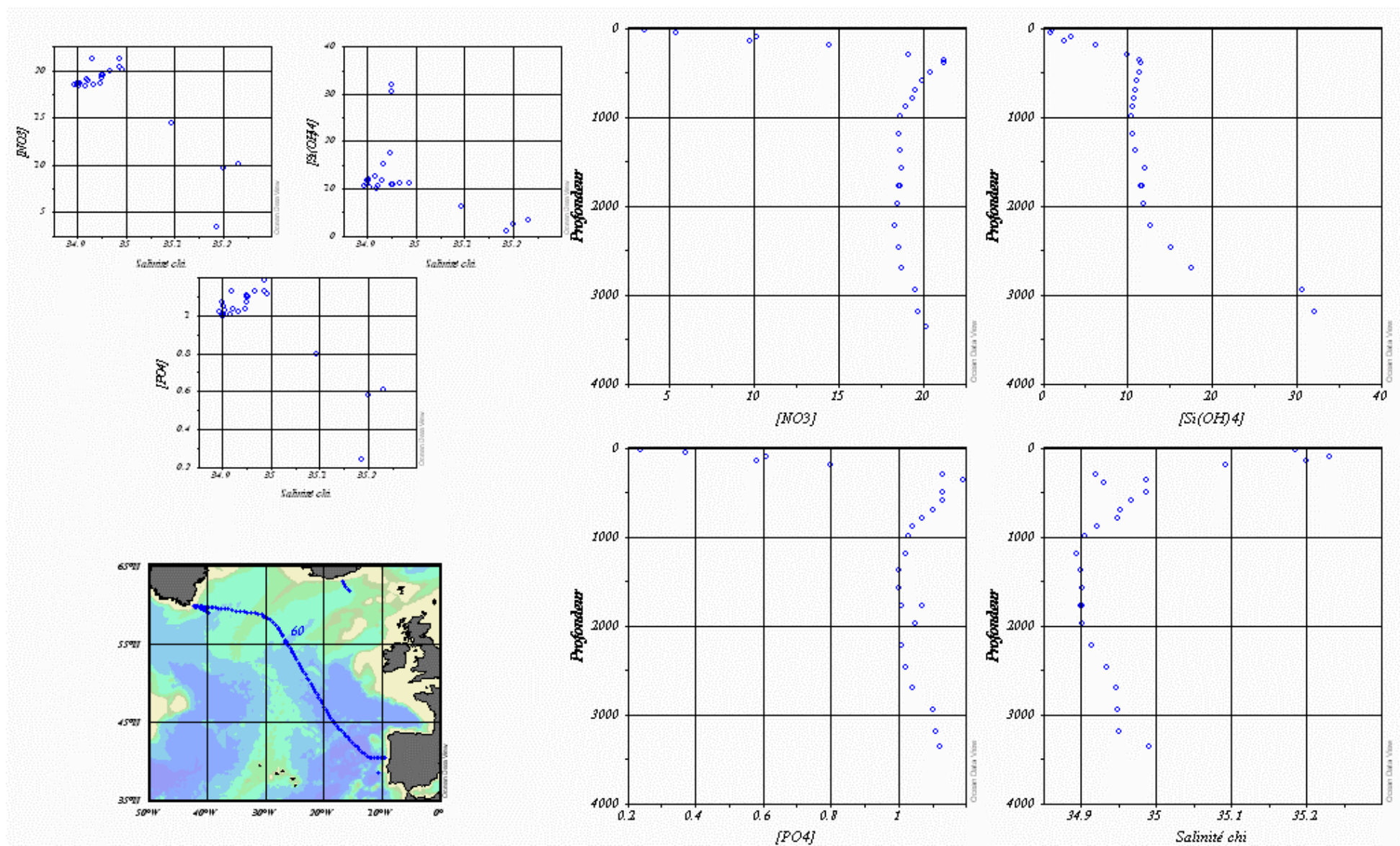
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
59	29	10.8	-10.7	11.389	35.156	35.156	6.438	4.2	1.0	0.29	3.71	2.75	0.39	4.61
59	28	50.4	-49.9	11.101	35.274	35.276	6.442	5.9	0.9	0.40				
59	27	100.1	-99.2	10.173	35.224	35.236	6.101	10.0	3.1	0.58				
59	26	150.0	-148.6	9.876	35.190	35.187	6.076	10.6	3.8	0.62				
59	25	199.5	-197.6	9.425	35.111	35.108	6.082	11.1	4.0	0.65		4.14	0.49	4.15
59	24	269.6	-267.0	8.141	34.955	34.946	5.46	16.2	7.9	0.94	2.94	1.43	0.30	3.13
59	23	349.0	-345.6	7.501	34.952	34.959	4.875	19.2	10.0	1.11	3.83	2.48	0.31	2.95
59	22	469.6	-464.8	7.377	35.162	35.160	4.913	19.7	10.7	1.09				
59	21	598.4	-592.2	5.966	35.065	35.063	5.236	19.7	11.3	1.13				
59	20	699.9	-692.4	5.087	34.989	34.992	5.607	19.9	11.1	1.13				
59	19	802.4	-793.6	4.459	34.945	34.944	5.944	19.2	10.8	1.07	4.97	4.30	0.29	4.25
59	18	900.4	-890.4	4.115	34.922	34.921	6.138	18.8	10.5	1.06				
59	17	1001.5	-990.1	3.903	34.911	34.911	6.289	18.7	10.4	1.06	4.75	4.89	0.44	3.92
59	16	1200.6	-1186.4	3.674	34.904	34.904	6.37	18.4	10.5	1.01	4.90	2.92	0.43	4.66
59	15	1310.0	-1294.1	3.548	34.894	34.893	6.447	18.5	10.5	0.99	4.81	2.61	0.47	4.62
59	14	1601.9	-1581.4	3.408	34.904	34.903	6.567	18.6	11.2	1.05	3.85	1.80	0.20	3.62
59	13	1802.1	-1778.2	3.241	34.902		6.439	18.7	11.5	1.05	2.88	1.16	0.29	3.57
59	12	2000.7	-1973.3	3.116	34.902	34.901	6.477	18.5	11.7	1.02	3.23	1.93	0.19	4.16
59	11	2252.8	-2220.6	2.994	34.912	34.909	6.467	18.3	12.4	0.99	3.02	1.32	0.24	3.72
59	10	2500.5	-2463.3	2.911	34.929	34.927	6.398	17.9	13.3	1.06				
59	9	2500.1	-2462.9	2.911	34.929	34.926	6.391	18.3	13.5	1.01	4.19	2.33	0.23	3.88
59	8	2750.4	-2708.0	2.804	34.943	34.941	6.337	18.3	14.8	0.99	2.53	0.91	0.22	3.18
59	7	3000.4	-2952.4	2.690	34.953	34.951	6.261	18.3	16.8	1.06	3.38	2.14	0.31	2.98
59	6	3249.7	-3195.9	2.555	34.953	34.951	6.139	18.6	31.0	1.06	4.00	0.66	0.15	2.82
59	5	3499.0	-3439.1	2.488	34.952	34.950	6.04	19.4	37.2	1.13	3.09	2.12	0.15	2.57
59	4	3662.2	-3598.1	2.448	34.951		5.972							
59	3	3662.9	-3598.8	2.448	34.951	34.950	6.005	20.3	37.2	1.13	1.88	1.94	0.11	1.82

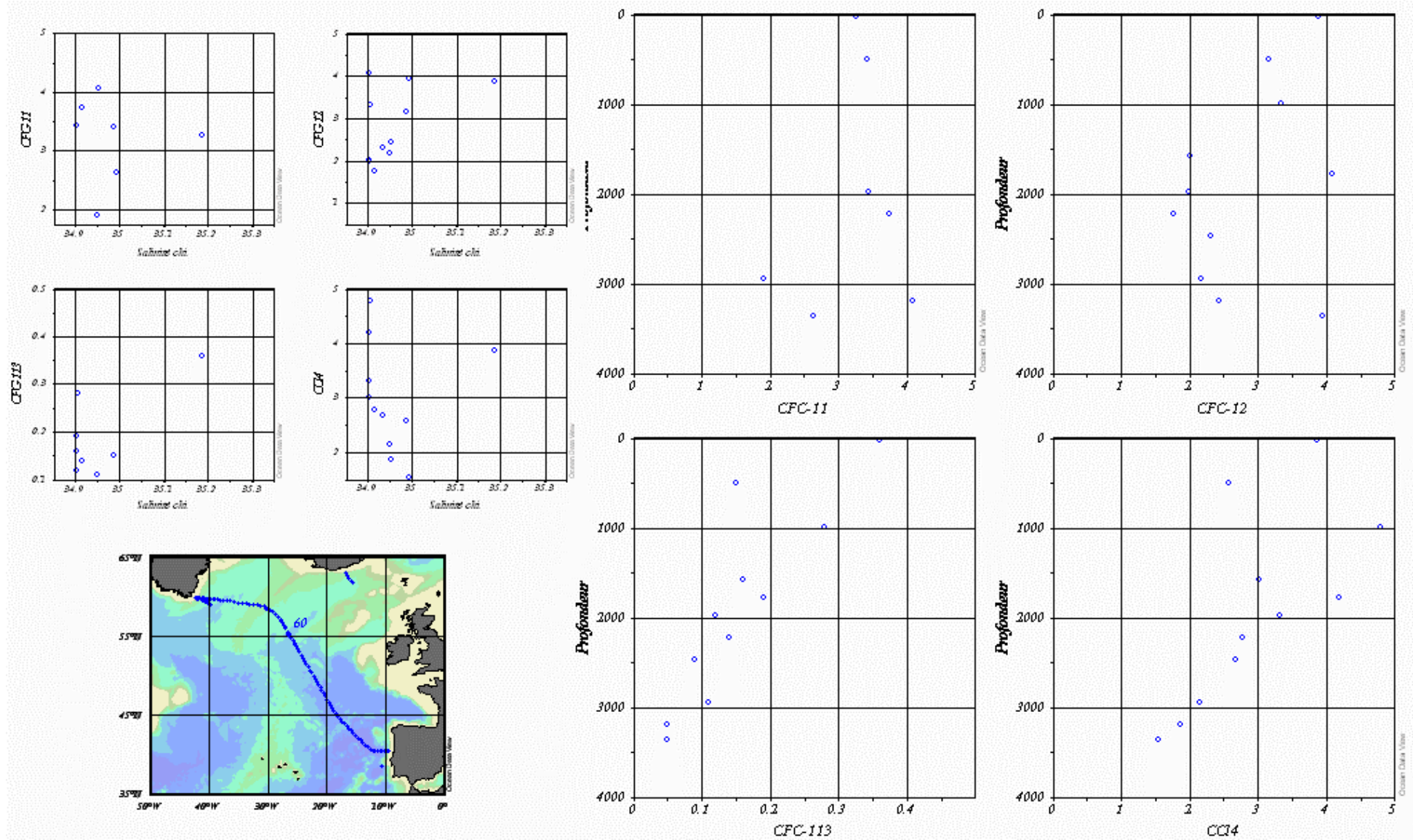




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
60	09/06/2006	07:20:36	55:08:99 N	26:24:60 W	3392m

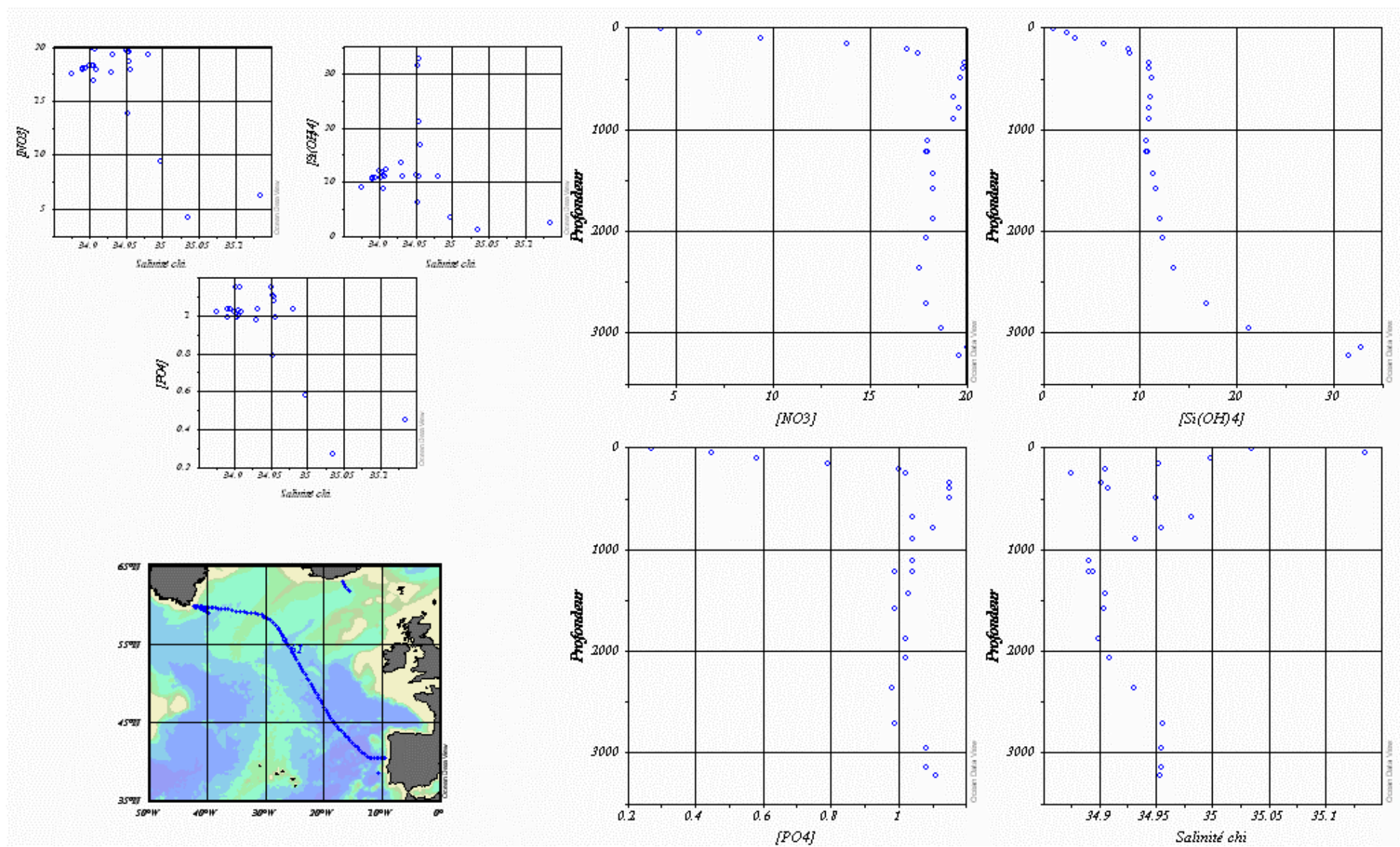
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
60	28	17.3	-17.1	11.733	35.187	35.185	6.476	3.5	1.1	0.24	3.26	3.88	0.36	3.86
60	27	50.8	-50.3	11.559	35.302	35.304	6.173	5.4	0.9	0.37				
60	26	101.4	-100.5	10.390	35.232	35.230	5.896	10.1	3.3	0.61				
60	25	152.0	-150.6	10.053	35.216	35.199	6.138	9.7	2.5	0.58				
60	24	200.8	-198.9	9.239	35.100	35.093	5.522	14.4	6.2	0.80				
60	23	300.7	-297.8	7.496	34.921	34.919	4.976	19.1	10.0	1.13				
60	22	361.5	-357.9	7.110	34.990	34.987	4.666	21.2	11.3	1.19				
60	21	400.4	-396.4	6.468	34.932	34.930	4.835	21.2	11.6	1.22				
60	20	500.8	-495.7	5.917	34.990	34.987	5.177	20.4	11.3	1.13	3.41	3.15	0.15	2.58
60	19	600.6	-594.3	5.106	34.966	34.967	5.566	19.9	11.1	1.13				
60	18	700.5	-693.0	4.640	34.954	34.952	5.816	19.5	10.9	1.10				
60	17	801.5	-792.7	4.384	34.952	34.949	5.958	19.3	10.8	1.07				
60	16	900.9	-890.8	4.053	34.923	34.922	6.167	18.9	10.5	1.04				
60	15	1000.5	-989.1	3.844	34.909	34.906	6.288	18.6	10.4	1.03		3.33	0.28	4.78
60	14	1199.8	-1185.5	3.620	34.897	34.894	6.402	18.5	10.5	1.02				
60	13	1400.4	-1383.1	3.502	34.903	34.900	6.397	18.6	10.9	1.00				
60	12	1599.2	-1578.7	3.355	34.907	34.902	6.427	18.7	12.0	1.00		2.01	0.16	3.02
60	11	1799.4	-1775.5	3.181	34.903	34.900	6.449	18.5	11.7	1.07				
60	10	1799.5	-1775.6	3.181	34.903	34.901	6.456	18.6	11.6	1.01		4.08	0.19	4.19
60	9	1999.2	-1971.7	3.075	34.906	34.902	6.466	18.4	11.8	1.05	3.43	1.98	0.12	3.32
60	8	2250.7	-2218.5	2.955	34.919	34.915	6.429	18.3	12.7	1.01	3.74	1.77	0.14	2.77
60	7	2499.9	-2462.7	2.834	34.937	34.934	6.313	18.5	15.1	1.02		2.30	0.09	2.67
60	6	2749.9	-2707.4	2.708	34.951	34.947	6.232	18.7	17.5	1.04				
60	5	3000.1	-2952.0	2.579	34.953	34.949	6.095	19.5	30.5	1.10	1.90	2.17	0.11	2.15
60	4	3251.6	-3197.6	2.516	34.955	34.951	6.072	19.6	32.0	1.11	4.08	2.43	0.05	1.86
60	3	3425.4	-3367.2	2.471	34.957	34.991	6.023	20.1		1.12	2.63	3.95	0.05	1.54

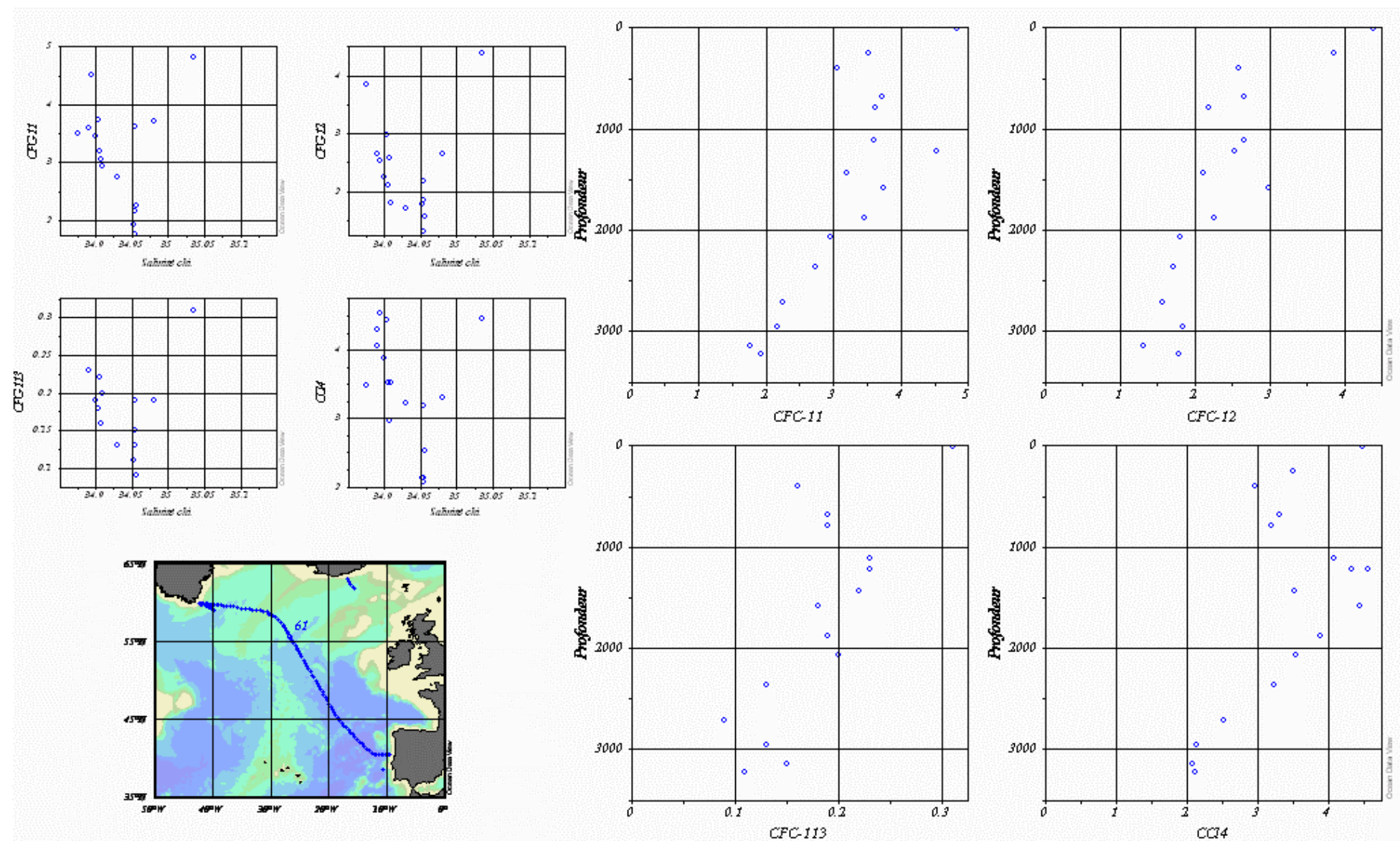




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
61	09/06/2006	14:24:16	55:30:34 N	26:42:44 W	3233m

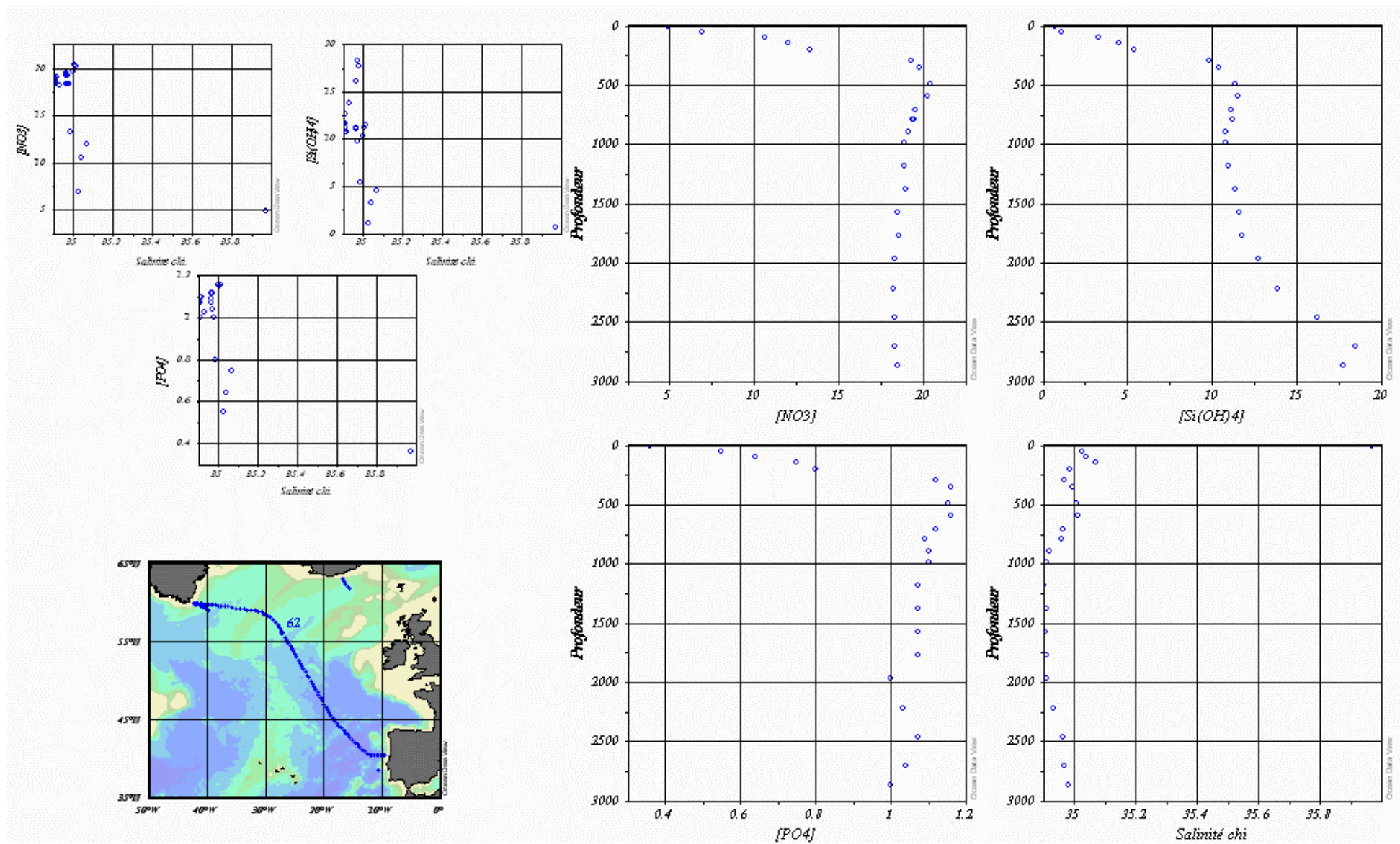
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
61	27	9.6	-9.5	11.326	35.035	35.035	6.58	4.2	1.1	0.27	4.82	4.39	0.31	4.47
61	26	48.9	-48.5	10.982	35.136	35.135	6.289	6.2	2.5	0.45				
61	25	99.0	-98.1	9.185	34.989	34.998	6.298	9.4	3.3	0.58				
61	24	150.3	-148.9	8.593	34.953	34.952	5.811	13.8	6.3	0.79				
61	23	208.0	-206.0	7.830	34.906	34.905	5.401	16.9	8.8	1.00				
61	22	249.2	-246.8	7.274	34.879	34.875	5.464	17.5	9.0	1.02	3.51	3.85		3.49
61	21	348.4	-345.0	6.152	34.906	34.902	5.242	19.9	10.9	1.15				
61	20	397.9	-393.9	5.789	34.909	34.907	5.322	19.8	11.0	1.15	3.05	2.59	0.16	2.96
61	19	499.2	-494.1	5.295	34.950	34.950	5.494	19.7	11.2	1.15				
61	18	691.9	-684.5	4.717	34.984	34.981	5.776	19.3	11.1	1.04	3.71	2.65	0.19	3.31
61	16	799.0	-790.2	4.372	34.959	34.955	5.984	19.6	11.0	1.10	3.62	2.18	0.19	3.19
61	15	899.1	-889.0	4.072	34.935	34.932	6.127	19.3	11.0	1.04				
61	14	1118.7	-1105.6	3.601	34.895	34.891	6.475	18.0	10.6	1.04	3.59	2.65	0.23	4.07
61	13	1236.8	-1222.0	3.519	34.896	34.894	6.444	18.0	10.8	1.04	4.52	2.53		4.54
61	12	1237.8	-1222.9	3.519	34.895	34.891	6.47	17.9	10.7	0.99			0.23	4.31
61	11	1446.4	-1428.3	3.442	34.908	34.905	6.405	18.3	11.4	1.03	3.19	2.11	0.22	3.52
61	10	1599.4	-1578.9	3.326	34.908	34.904	6.417	18.3	11.7	0.99	3.73	2.98	0.18	4.44
61	9	1902.0	-1876.2	3.108	34.903	34.899	6.511	18.3	12.0	1.02	3.46	2.26	0.19	3.88
61	8	2101.0	-2071.6	3.005	34.913	34.909	6.476	17.9	12.4	1.02	2.95	1.81	0.20	3.53
61	7	2396.9	-2361.7	2.893	34.935	34.930	6.42	17.6	13.5	0.98	2.74	1.72	0.13	3.23
61	6	2749.8	-2707.2	2.706	34.961	34.956	6.26	17.9	16.9	0.99	2.25	1.57	0.09	2.52
61	5	2998.7	-2950.5	2.545	34.958	34.955	6.169	18.7	21.2	1.08	2.17	1.84	0.13	2.13
61	4	3197.6	-3144.8	2.472	34.960	34.955	6.092	20.0	32.8	1.08	1.77	1.32	0.15	2.07
61	3	3278.6	-3223.9	2.457	34.958	34.953	6.022	19.6	31.5	1.11	1.92	1.78	0.11	2.12

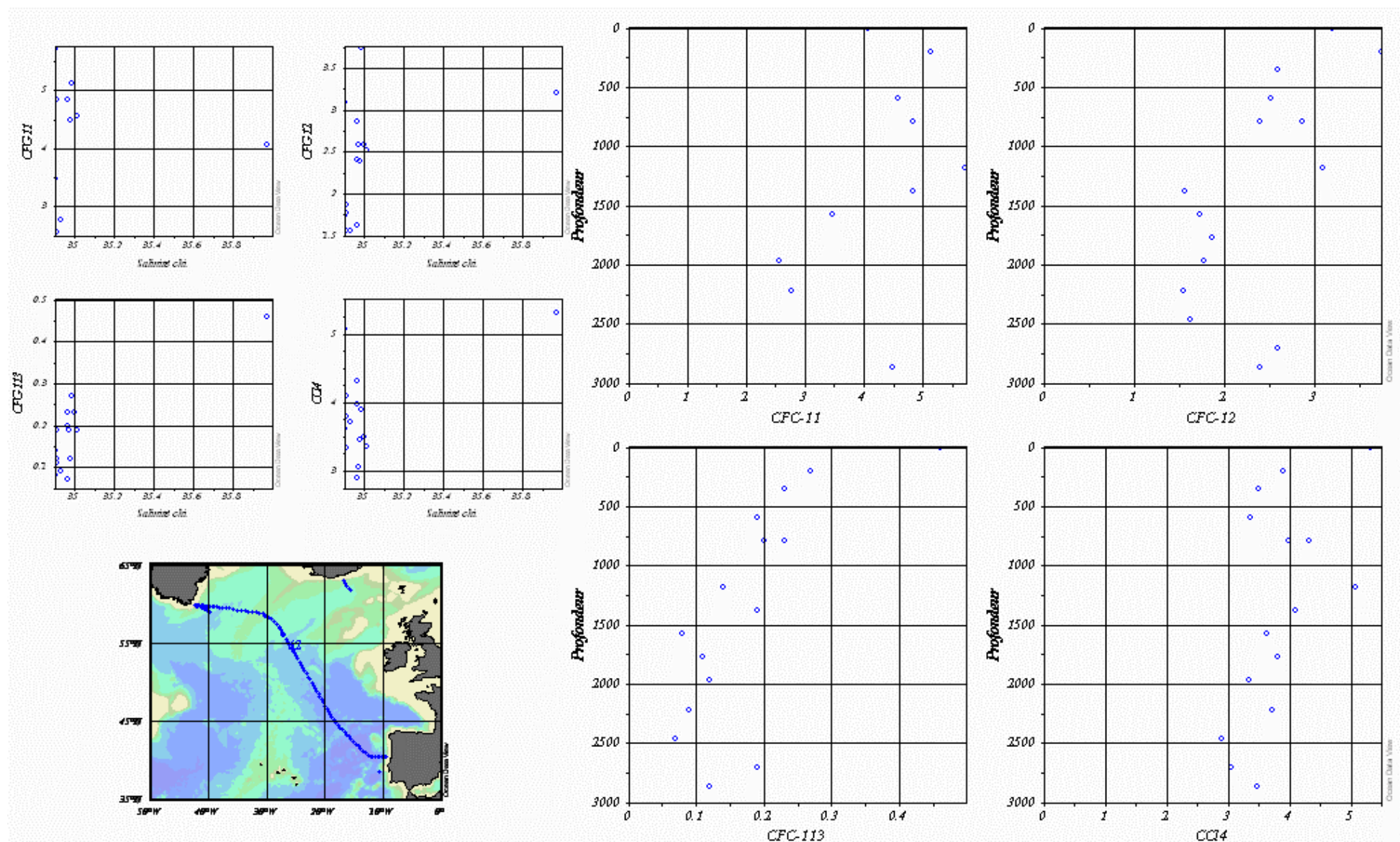




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
62	09/06/2006	22:06:40	55:53:00 N	26:59:86 W	2880m

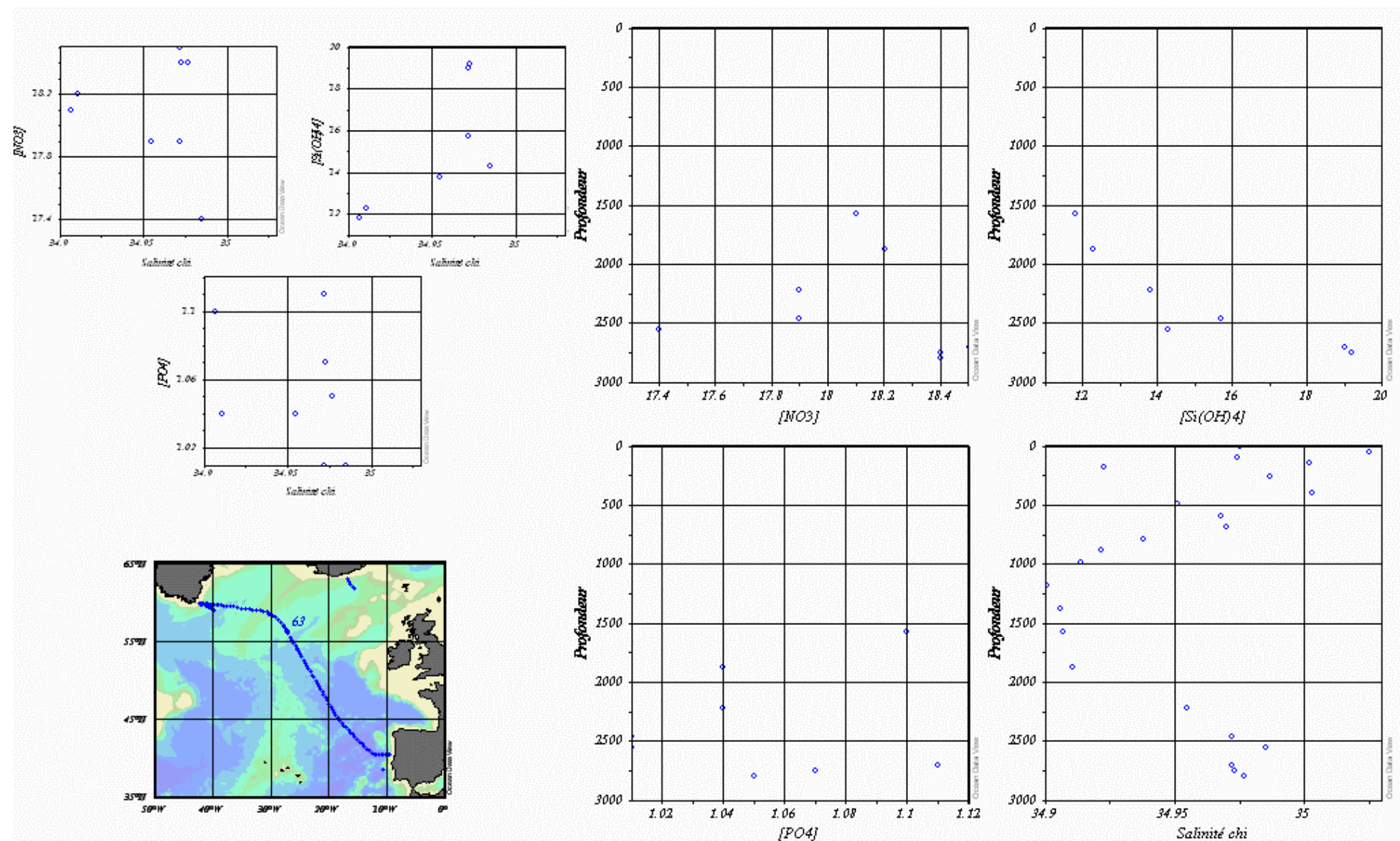
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
62	25	9.7	-9.6	10.556	34.983	35.968	6.741	4.9	0.7	0.36	4.07	3.20	0.46	5.32
62	24	52.2	-51.7	9.690	35.028	35.028	6.514	6.9	1.1	0.55				
62	23	101.7	-100.8	8.975	35.041	35.039	6.3	10.6	3.3	0.64				
62	22	149.2	-147.8	9.007	35.083	35.070	6.15	12.0	4.5	0.75				
62	21	201.4	-199.5	8.257	34.987	34.986	6.019	13.3	5.4	0.80	5.13	3.75	0.27	3.90
62	20	299.3	-296.4	7.128	34.975	34.970	5.129	19.2	9.8	1.12				
62	19	360.0	-356.4	6.647	34.999	34.997	5.216	19.7	10.4	1.16		2.59	0.23	3.50
62	18	499.3	-494.2	5.758	35.012	35.007	5.282	20.4	11.3	1.15				
62	17	600.4	-594.1	5.266	35.016	35.015	5.481	20.2	11.5	1.16	4.57	2.52	0.19	3.36
62	16	720.0	-712.2	4.602	34.966	34.965	5.813	19.5	11.1	1.12				
62	15	801.6	-792.8	4.411	34.963	34.962	5.919	19.3	11.2	1.09	4.84	2.40	0.20	3.98
62	14	801.0	-792.2	4.409	34.964	34.962	5.921	19.4	11.2	1.09		2.86	0.23	4.32
62	13	901.1	-891.0	4.000	34.922	34.920	6.154	19.1	10.8	1.10				
62	12	1000.8	-989.3	3.821	34.912	34.911	6.262	18.8	10.8	1.10				
62	11	1201.3	-1187.0	3.581	34.901	34.901	6.372	18.8	10.9	1.07	5.71	3.09	0.14	5.07
62	10	1400.3	-1382.9	3.466	34.908	34.909	6.359	18.9	11.3	1.07	4.84	1.56	0.19	4.10
62	9	1600.4	-1579.8	3.295	34.908	34.906	6.406	18.4	11.6	1.07	3.47	1.73	0.08	3.62
62	8	1800.7	-1776.7	3.152	34.911	34.909	6.459	18.5	11.7	1.07		1.87	0.11	3.80
62	7	2000.5	-1972.9	3.018	34.915	34.912	6.426	18.3	12.7	1.00	2.56	1.77	0.12	3.33
62	6	2250.0	-2217.6	2.903	34.935	34.932	6.38	18.2	13.8	1.03	2.77	1.55	0.09	3.72
62	5	2500.0	-2462.6	2.760	34.964	34.963	6.27	18.3	16.2	1.07		1.63	0.07	2.90
62	4	2751.1	-2708.4	2.589	34.974	34.970	6.226	18.3	18.4	1.04		2.59	0.19	3.06
62	3	2916.4	-2870.0	2.544	34.983	34.980	6.221	18.4	17.7	1.00	4.48	2.39	0.12	3.46

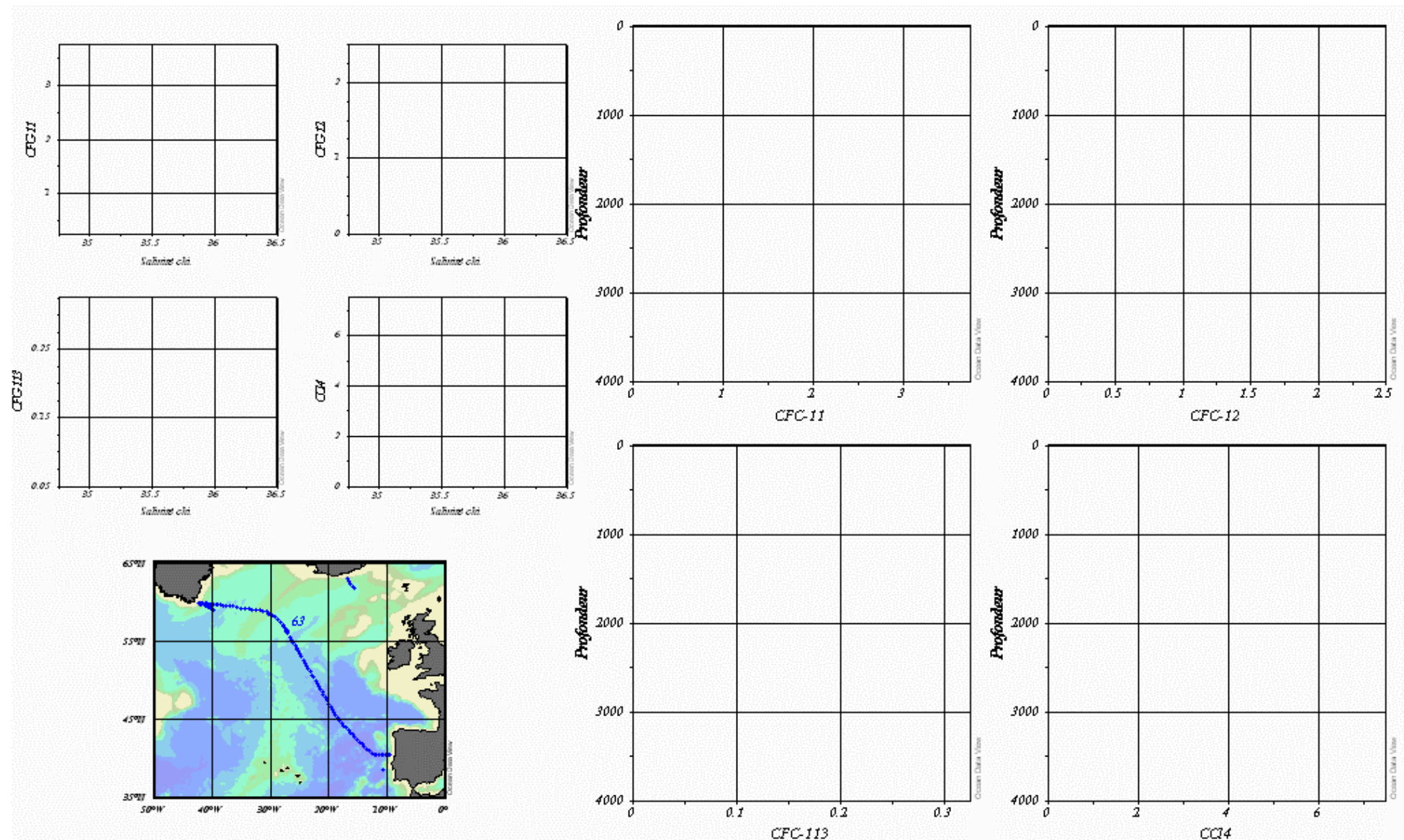




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
63	10/06/2006	02:00:10	56:04:11 N	27:08:69 W	2810m

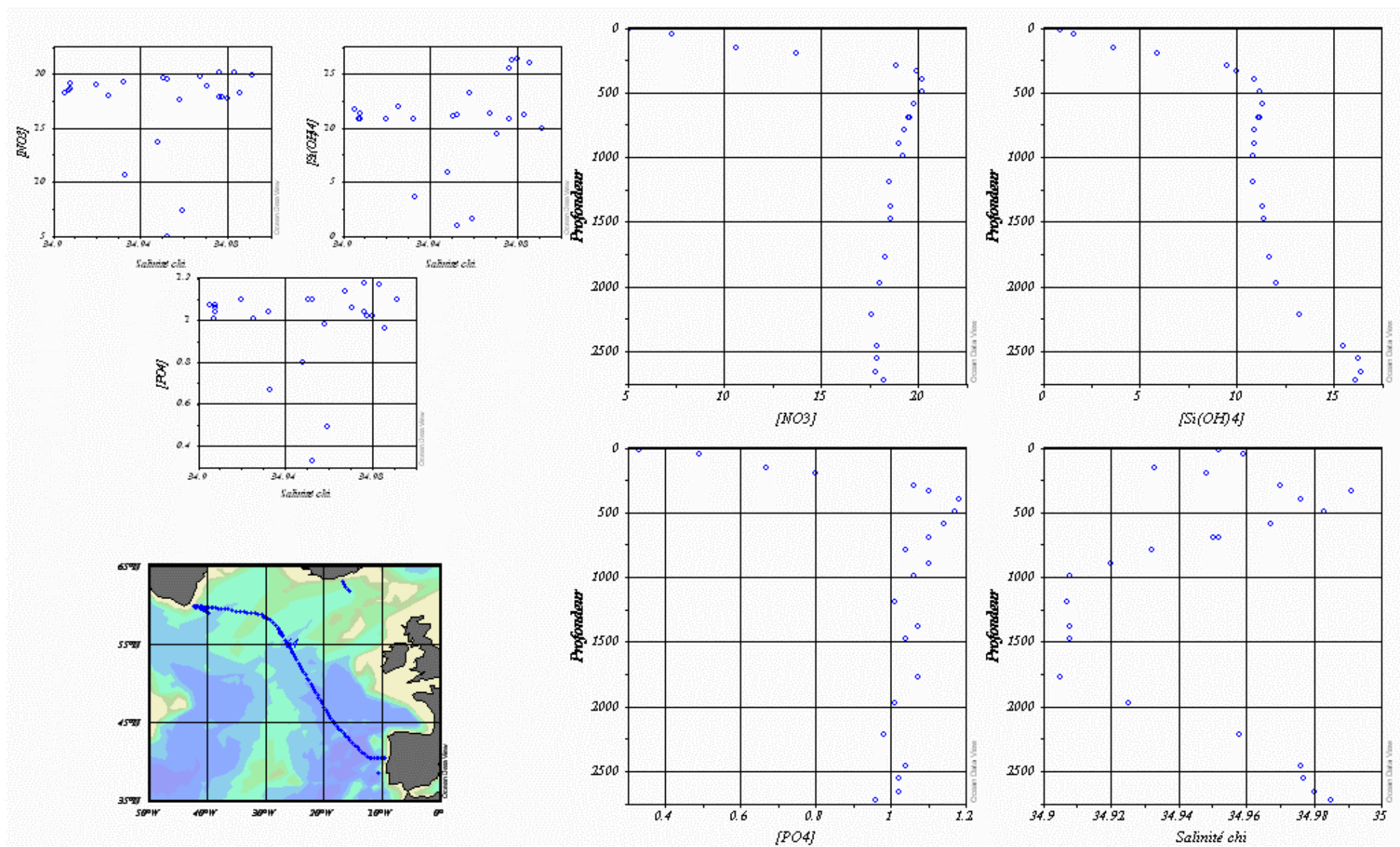
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
63	25	10.4	-10.3	10.393	34.980	34.975	6.748							
63	24	49.9	-49.4	10.031	35.005	35.025	6.51							
63	23	101.5	-100.6	8.665	34.970	34.974	6.383							
63	22	151.2	-149.8	8.579	35.007	35.002	6.209							
63	21	175.9	-174.2	7.933	34.925	34.923	5.951							
63	20	258.6	-256.1	7.376	34.987	34.987	5.003							
63	19	400.2	-396.2	6.235	35.003	35.003	5.161							
63	18	499.1	-494.0	5.312	34.949	34.951	5.461							
63	17	599.5	-593.2	4.901	34.968	34.968	5.691							
63	16	698.2	-690.7	4.608	34.970	34.970	5.856							
63	15	804.0	-795.1	4.184	34.938	34.938	6.051							
63	14	887.3	-877.3	3.998	34.921	34.922	6.187							
63	13	1001.2	-989.7	3.821	34.913	34.914	6.244							
63	12	1200.1	-1185.8	3.566	34.900	34.901	6.386							
63	11	1399.2	-1381.8	3.443	34.906	34.906	6.383							
63	10	1599.6	-1579.0	3.298	34.906	34.907	6.426	18.1	11.8	1.10				
63	9	1900.0	-1874.2	3.100	34.911	34.911	6.475	18.2	12.3	1.04				
63	8	2249.0	-2216.6	2.943	34.955	34.955	6.384	17.9	13.8	1.04				
63	7	2499.2	-2461.8	2.738	34.972	34.972	6.343	17.9	15.7	1.01				
63	6	2599.1	-2559.6	2.716	34.986	34.985	6.36	17.4	14.3	1.01				
63	5	2748.1	-2705.4	2.559	34.973	34.972	6.263	18.5	19.0	1.11				
63	4	2800.8	-2756.9	2.548	34.975	34.973	6.194	18.4	19.2	1.07				
63	3	2844.1	-2799.3	2.550	34.978	34.977	6.188	18.4		1.05				

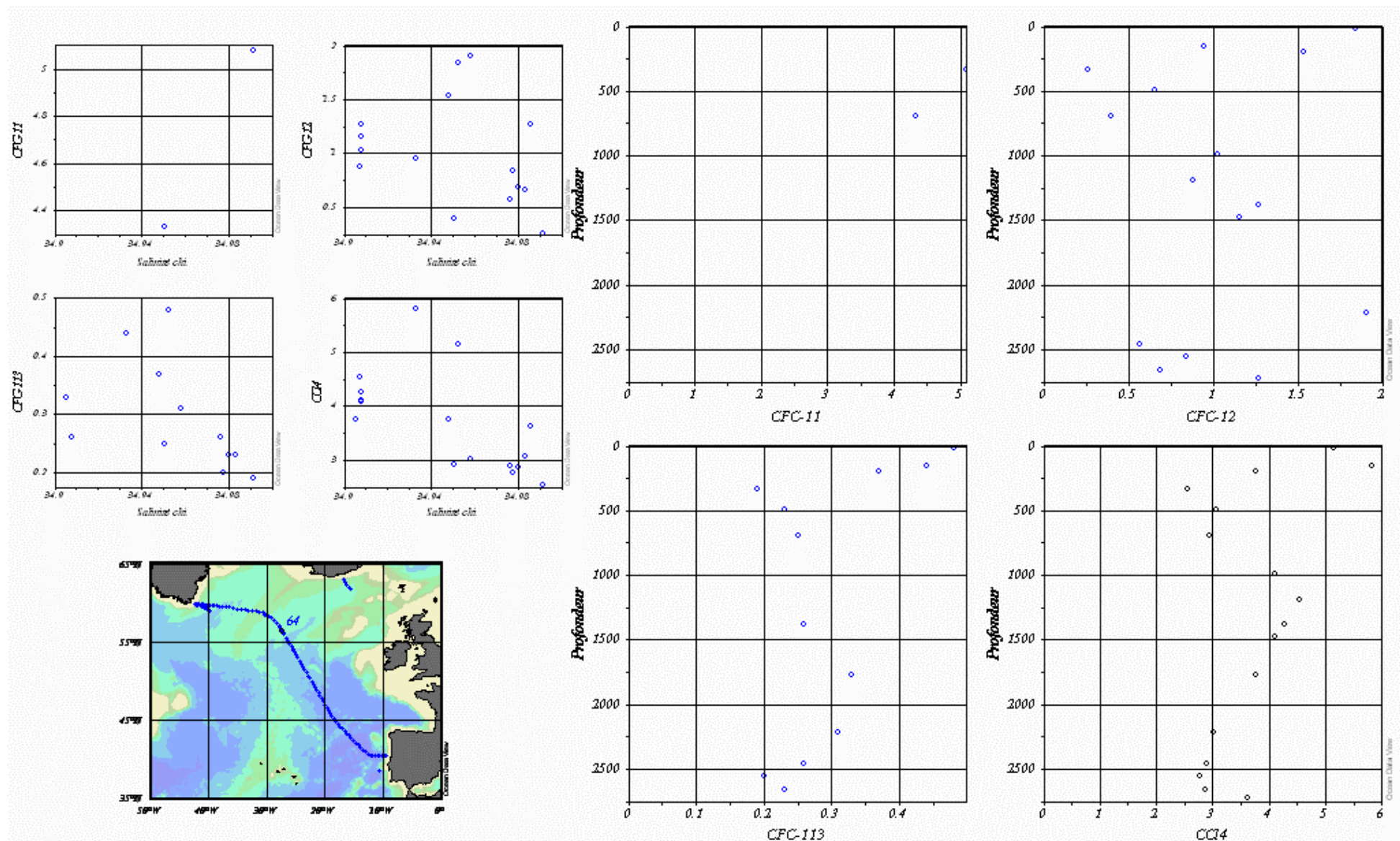




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
64	10/06/2006	05:34:58	56:15:21 N	27:17:35 W	2745m

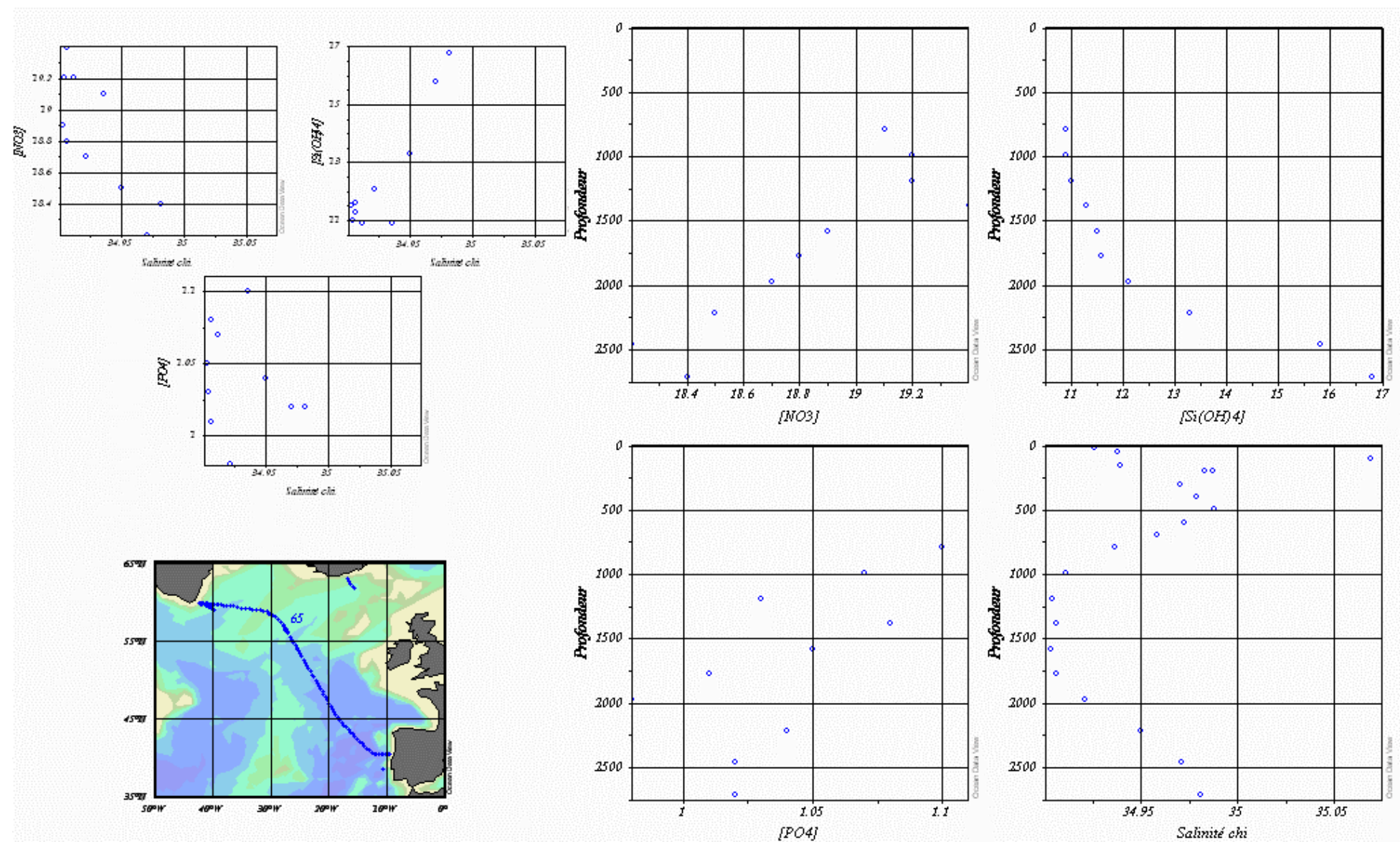
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
64	27	14.2	-14.1	9.992	34.947	34.952	6.832	5.0	0.9	0.33		1.84	0.48	5.15
64	26	49.4	-48.9	9.258	34.948	34.959	6.556	7.3	1.6	0.49				
64	24	149.5	-148.1	8.020	34.932	34.933	6.489	10.6	3.6	0.67		0.95	0.44	5.82
64	23	198.9	-197.0	7.900	34.944	34.948	6.063	13.7	5.9	0.80		1.54	0.37	3.76
64	22	298.6	-295.7	7.211	34.965	34.970	5.179	18.9	9.5	1.06				
64	21	331.3	-328.0	6.948	34.991	34.991	5.051	19.9	10.0	1.10	5.08	0.26	0.19	2.55
64	20	400.4	-396.4	6.254	34.975	34.976	5.196	20.2	10.9	1.18				
64	19	498.3	-493.2	5.619	34.979	34.983	5.362	20.2	11.2	1.17		0.66	0.23	3.06
64	18	598.5	-592.2	4.965	34.965	34.967	5.597	19.8	11.3	1.14				
64	17	695.1	-687.6	4.567	34.951	34.952	5.806	19.5	11.2	1.10				
64	16	698.6	-691.1	4.528	34.947	34.950	5.805	19.6	11.1	1.10	4.33	0.40	0.25	2.93
64	15	799.9	-791.1	4.210	34.930	34.932	5.999	19.3	10.9	1.04				
64	14	899.2	-889.1	3.980	34.918	34.920	6.148	19.0	10.9	1.10				
64	13	999.6	-988.1	3.794	34.905	34.908	6.26	19.2	10.8	1.06		1.03		4.10
64	12	1199.3	-1184.9	3.563	34.897	34.907	6.378	18.5	10.8	1.01		0.88		4.53
64	11	1398.5	-1381.1	3.455	34.905	34.908	6.357	18.6	11.3	1.07		1.27	0.26	4.27
64	10	1499.4	-1480.4	3.375	34.906	34.908	6.375	18.6	11.4	1.04		1.16		4.09
64	9	1798.5	-1774.5	3.143	34.903	34.905	6.461	18.3	11.7	1.07			0.33	3.76
64	8	1999.5	-1971.8	3.064	34.924	34.925	6.436	18.0	12.0	1.01				
64	7	2248.7	-2216.3	2.952	34.957	34.958	6.351	17.6	13.2	0.98		1.91	0.31	3.02
64	6	2500.8	-2463.3	2.708	34.974	34.976	6.276	17.9	15.5	1.04		0.57	0.26	2.89
64	5	2598.8	-2559.3	2.635	34.976	34.977	6.282	17.9	16.3	1.02		0.84	0.20	2.76
64	4	2697.8	-2656.2	2.592	34.980	34.980	6.268	17.8	16.4	1.02		0.69	0.23	2.87
64	3	2771.8	-2728.5	2.578	34.983	34.985	6.281	18.2	16.1	0.96		1.27		3.62

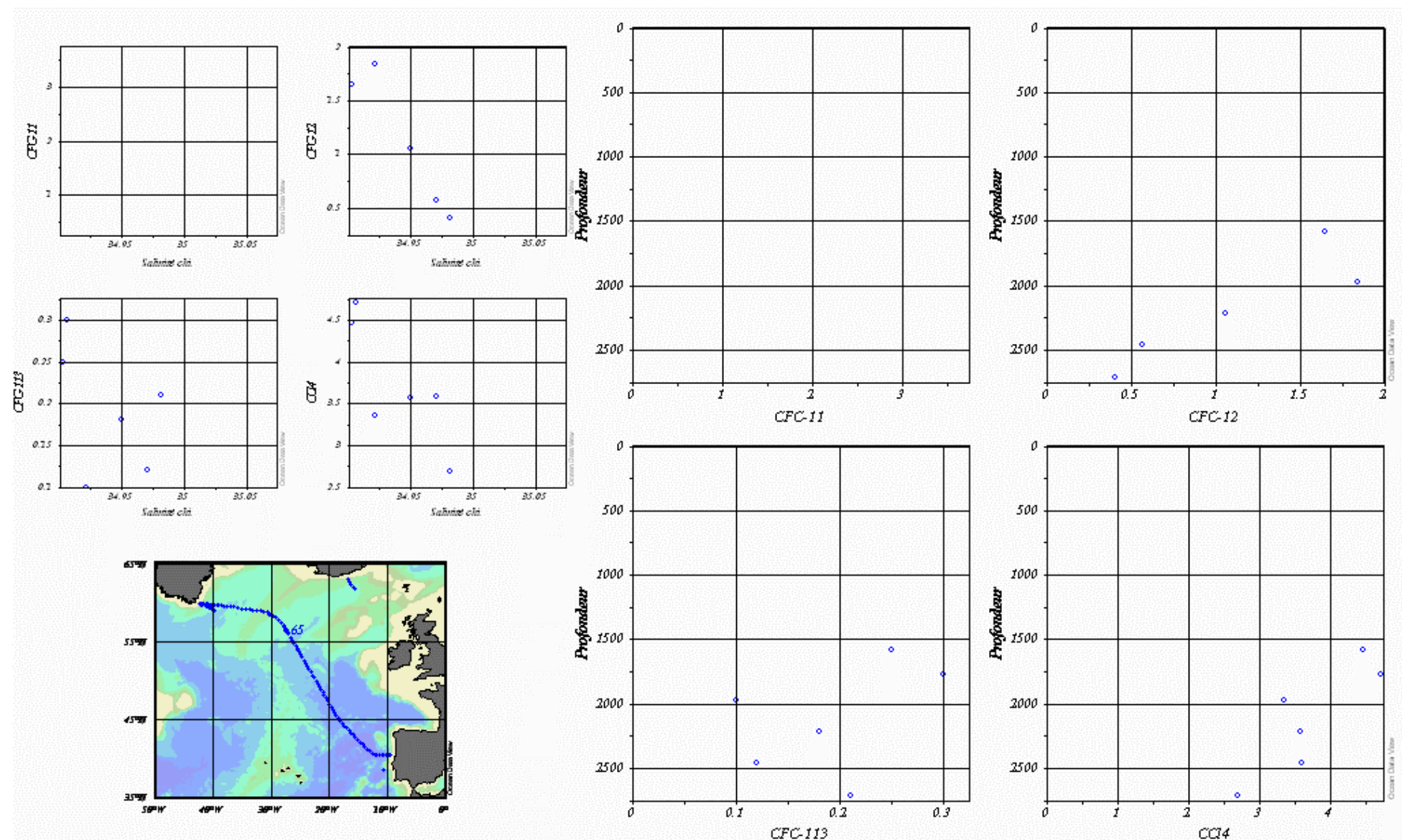




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
65	10/06/2006	09:35:05	56:26:47 N	27:26:08 W	2730m

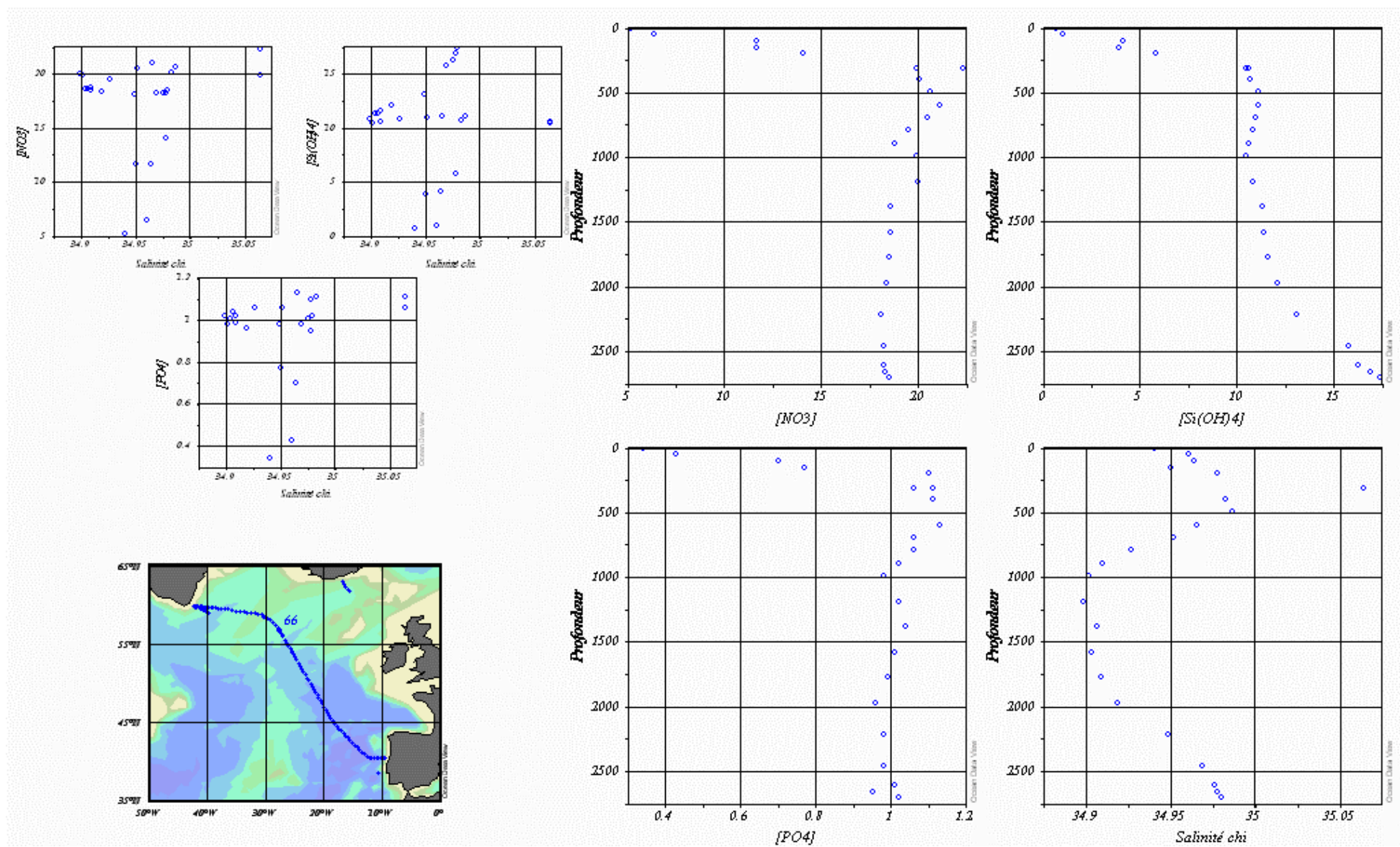
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
65	23	15.8	-15.7	9.764	34.926	34.926	6.795							
65	22	50.5	-50.0	9.737	34.935	34.938	6.654							
65	21	100.7	-99.8	8.957	35.077	35.069	6.082							
65	20	150.5	-149.1	7.893	34.943	34.939	6.111							
65	19	200.1	-198.2	7.885	34.983	34.983	6.239							
65	18	200.0	-198.1	7.895	34.985	34.987	6.221							
65	17	299.7	-296.7	7.088	34.969	34.970	5.185							
65	16	400.1	-396.1	6.195	34.974	34.979	5.167							
65	15	500.9	-495.7	5.548	34.990	34.988	5.359							
65	14	599.9	-593.6	4.937	34.972	34.972	5.633							
65	13	700.3	-692.7	4.529	34.957	34.958	5.84							
65	12	799.9	-791.1	4.193	34.935	34.936	6.058	19.1	10.9	1.10				
65	11	1000.1	-988.6	3.784	34.910	34.911	6.275	19.2	10.9	1.07				
65	10	1201.4	-1187.0	3.575	34.904	34.904	6.362	19.2	11.0	1.03				
65	9	1400.3	-1382.9	3.439	34.907	34.906	6.357	19.4	11.3	1.08				
65	8	1600.9	-1580.2	3.272	34.904	34.903	6.422	18.9	11.5	1.05		1.65	0.25	4.46
65	7	1800.0	-1775.9	3.141	34.907	34.906	6.467	18.8	11.6	1.01			0.30	4.71
65	6	2000.3	-1972.6	3.050	34.922	34.921	6.44	18.7	12.1	0.98		1.84	0.10	3.35
65	5	2250.5	-2218.0	2.931	34.952	34.950	6.351	18.5	13.3	1.04		1.06	0.18	3.57
65	4	2501.4	-2463.9	2.701	34.972	34.971	6.268	18.2	15.8	1.02		0.57	0.12	3.59
65	3	2755.7	-2712.7	2.570	34.982	34.981	6.239	18.4	16.8	1.02		0.41	0.21	2.69

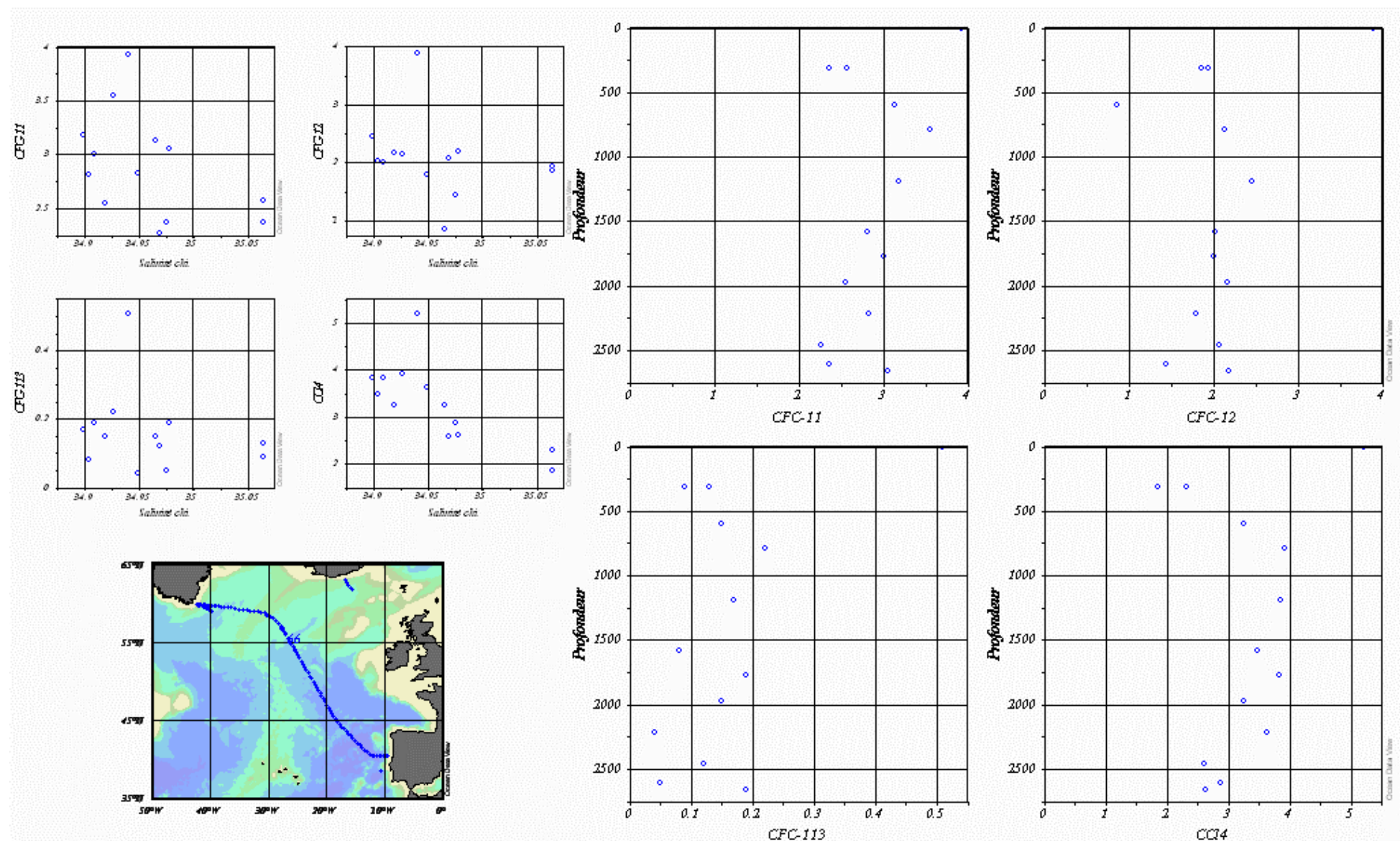




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
66	10/06/2006	13:23:46	56:37:79 N	27:34:76 W	2718m

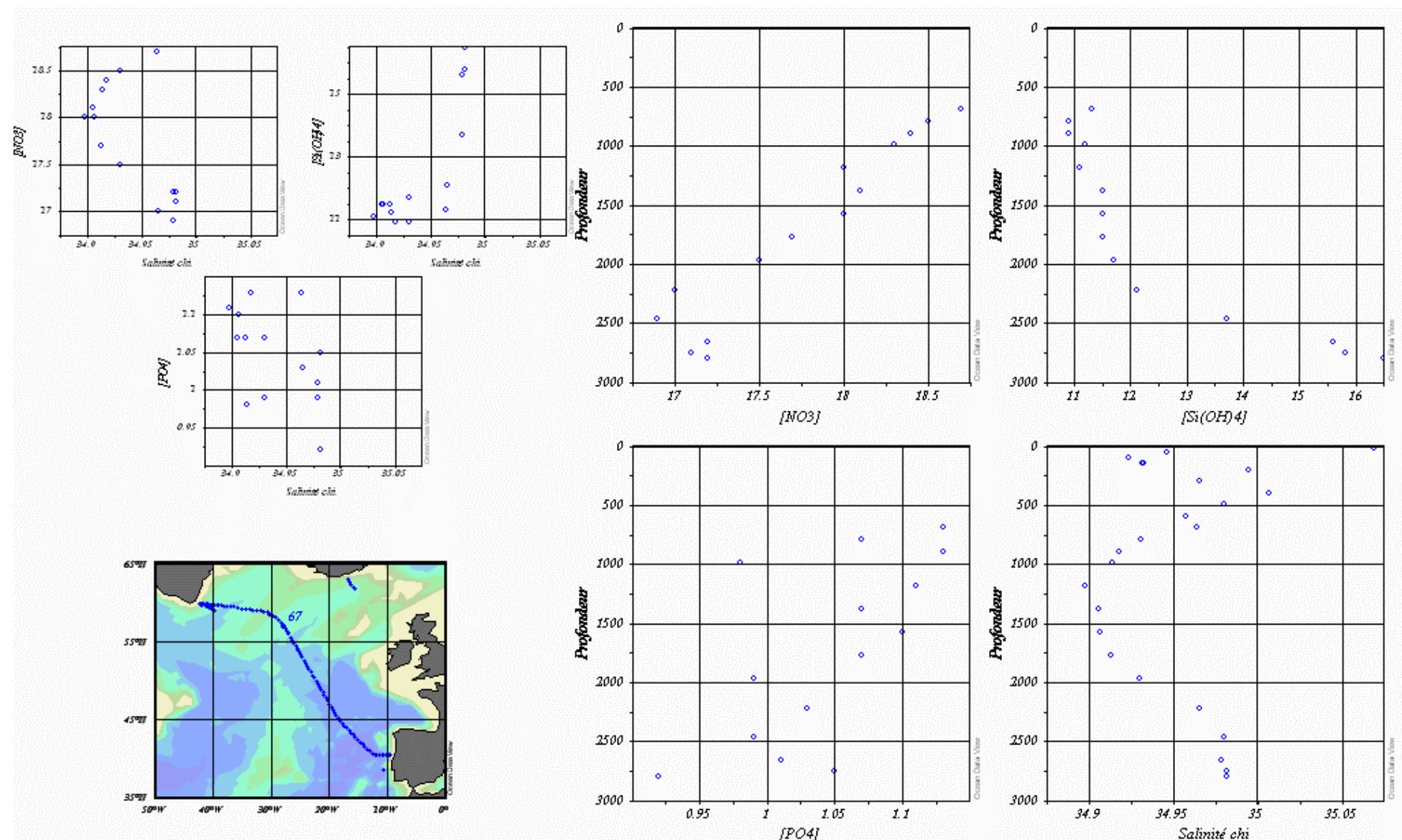
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
66	26	9.6	-9.5	10.017	34.938	34.941	6.82	5.2	0.7	0.34	3.93	3.89	0.51	5.20
66	25	49.7	-49.2	9.708	34.957	34.961	6.62	6.4	1.0	0.43				
66	24	101.7	-100.7	8.330	34.966	34.964	6.362	11.7	4.1	0.70				
66	23	151.4	-150.0	7.952	34.950	34.950	6.476	11.7	3.9	0.77				
66	22	199.7	-197.8	7.889	34.977	34.978	6.049	14.1	5.8	1.10				
66	21	313.0	-309.9	7.332	35.064	35.064	4.877	19.9	10.5	1.06	2.37	1.94	0.13	1.86
66	20	313.6	-310.5	7.326	35.063	35.064	4.884	22.3	10.6	1.11	2.57	1.86	0.09	2.31
66	19	400.4	-396.4	6.179	34.982	34.983	5.254	20.1	10.7	1.11				
66	18	499.8	-494.6	5.526	34.987	34.987	5.384	20.6	11.1					
66	17	600.0	-593.6	4.891	34.966	34.966	5.663	21.1	11.1	1.13	3.13	0.86	0.15	3.25
66	16	700.9	-693.3	4.478	34.951	34.952	5.85	20.5	11.0	1.06				
66	15	800.3	-791.4	4.127	34.925	34.927	6.058	19.5	10.8	1.06	3.55	2.14	0.22	3.91
66	14	899.4	-889.2	3.915	34.911	34.910	6.363	18.8	10.6	1.02				
66	13	999.0	-987.5	3.772	34.902	34.902	6.296	19.9	10.5	0.98				
66	12	1201.3	-1186.9	3.551	34.901	34.899	6.431	20.0	10.8	1.02	3.18	2.46	0.17	3.84
66	11	1398.7	-1381.3	3.442	34.906	34.907	6.367	18.6	11.3	1.04				
66	10	1599.0	-1578.3	3.271	34.903	34.904	6.423	18.6	11.4	1.01	2.82	2.03	0.08	3.48
66	9	1799.1	-1775.0	3.150	34.909	34.909	6.472	18.5	11.6	0.99	3.00	2.01	0.19	3.82
66	8	1998.8	-1971.1	3.036	34.919	34.919	6.444	18.4	12.1	0.96	2.55	2.17	0.15	3.25
66	7	2247.9	-2215.4	2.927	34.950	34.949	6.357	18.1	13.1	0.98	2.83	1.80	0.04	3.62
66	6	2500.9	-2463.3	2.706	34.972	34.969	6.262	18.2	15.8	0.98	2.27	2.08	0.12	2.60
66	5	2649.1	-2608.4	2.617	34.978	34.976	6.269	18.2	16.3	1.01	2.37	1.44	0.05	2.88
66	4	2699.0	-2657.2	2.578	34.979	34.978	6.246	18.3	16.9	0.95	3.05	2.19	0.19	2.62
66	3	2748.2	-2705.4	2.566	34.980	34.980	6.233	18.5	17.4	1.02				





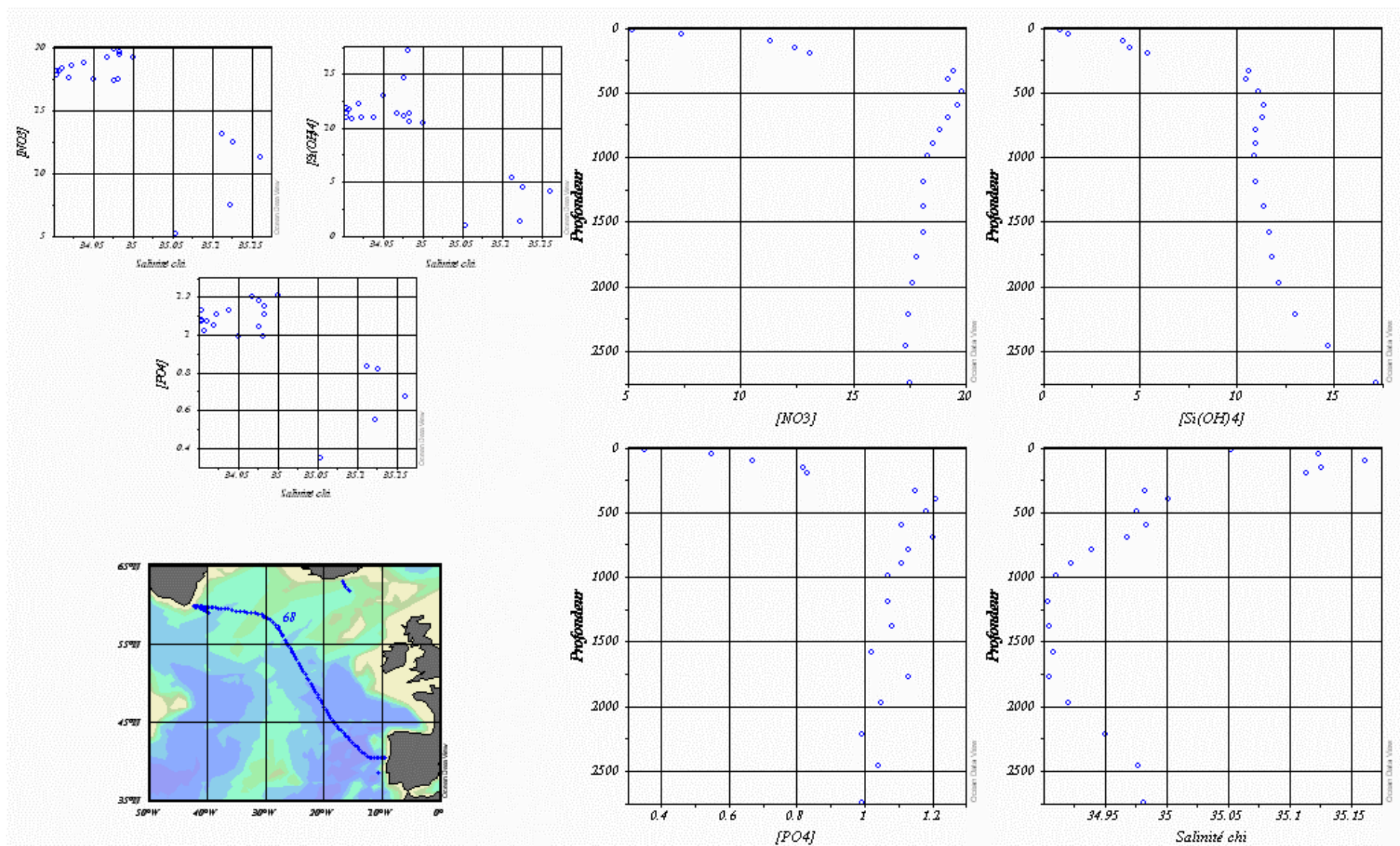
Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
67	10/06/2006	17:16:00	56:48:96 N	27:43:82 W	2814m

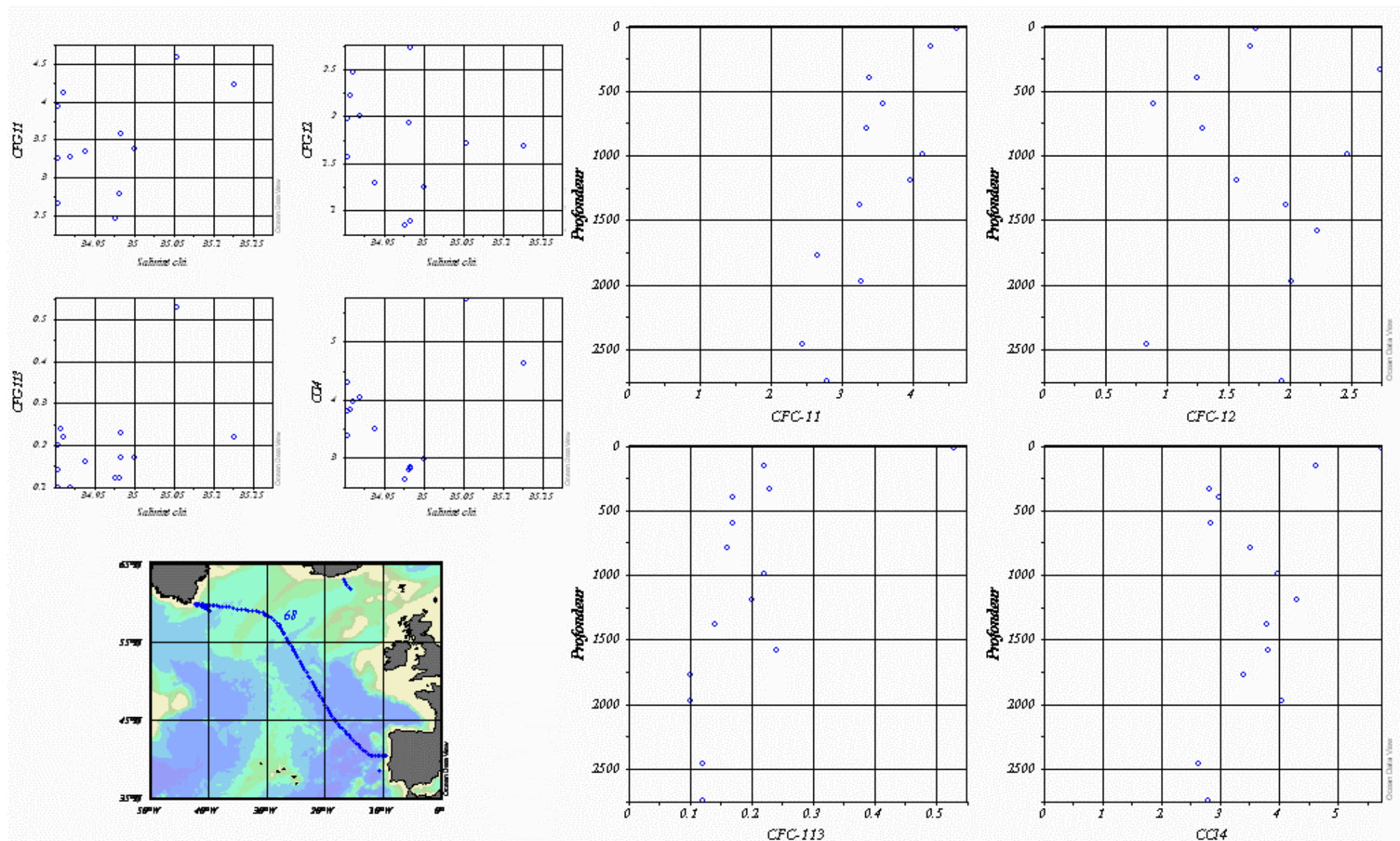
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
67	26	15.5	-15.4	10.648	35.067	35.069	6.596							
67	25	49.9	-49.4	8.748	34.953	34.946	6.555							
67	24	99.0	-98.1	8.172	34.923	34.924	6.517							
67	23	149.2	-147.8	7.938	34.934	34.932	6.36							
67	22	149.2	-147.8	7.941	34.933	34.933	6.347							
67	21	199.0	-197.1	7.994	34.987	34.995	5.854							
67	20	299.4	-296.4	6.931	34.966	34.966	5.255							
67	19	399.4	-395.4	6.297	35.011	35.007	5.248							
67	18	499.2	-494.0	5.477	34.980	34.980	5.396							
67	17	598.6	-592.3	4.969	34.960	34.958	5.601							
67	16	698.6	-691.0	4.627	34.965	34.964	5.776	18.7	11.3	1.13				
67	15	799.5	-790.6	4.185	34.932	34.931	5.999	18.5	10.9	1.07				
67	14	899.0	-888.8	3.980	34.920	34.918	6.138	18.4	10.9	1.13				
67	13	998.8	-987.3	3.834	34.914	34.914	6.227	18.3	11.2	0.98				
67	12	1200.1	-1185.7	3.582	34.902	34.898	6.38	18.0	11.1	1.11				
67	11	1397.9	-1380.5	3.464	34.907	34.906	6.375	18.1	11.5	1.07				
67	10	1596.4	-1575.7	3.338	34.909	34.907	6.425	18.0	11.5	1.10				
67	9	1799.3	-1775.2	3.202	34.914	34.913	6.462	17.7	11.5	1.07				
67	8	1998.9	-1971.2	3.131	34.934	34.930	6.442	17.5	11.7	0.99				
67	7	2248.6	-2216.1	3.036	34.968	34.966	6.378	17.0	12.1	1.03				
67	6	2499.7	-2462.1	2.784	34.983	34.980	6.34	16.9	13.7	0.99				
67	5	2697.3	-2655.5	2.621	34.983	34.979	6.311	17.2	15.6	1.01				
67	4	2797.3	-2753.3	2.591	34.985	34.982	6.295	17.1	15.8	1.05				
67	3	2842.8	-2797.8	2.584	34.983	34.982	6.282	17.2	16.5	0.92				



Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
68	10/06/2006	21:14:05	57:00:29 N	27:52:84 W	2752m

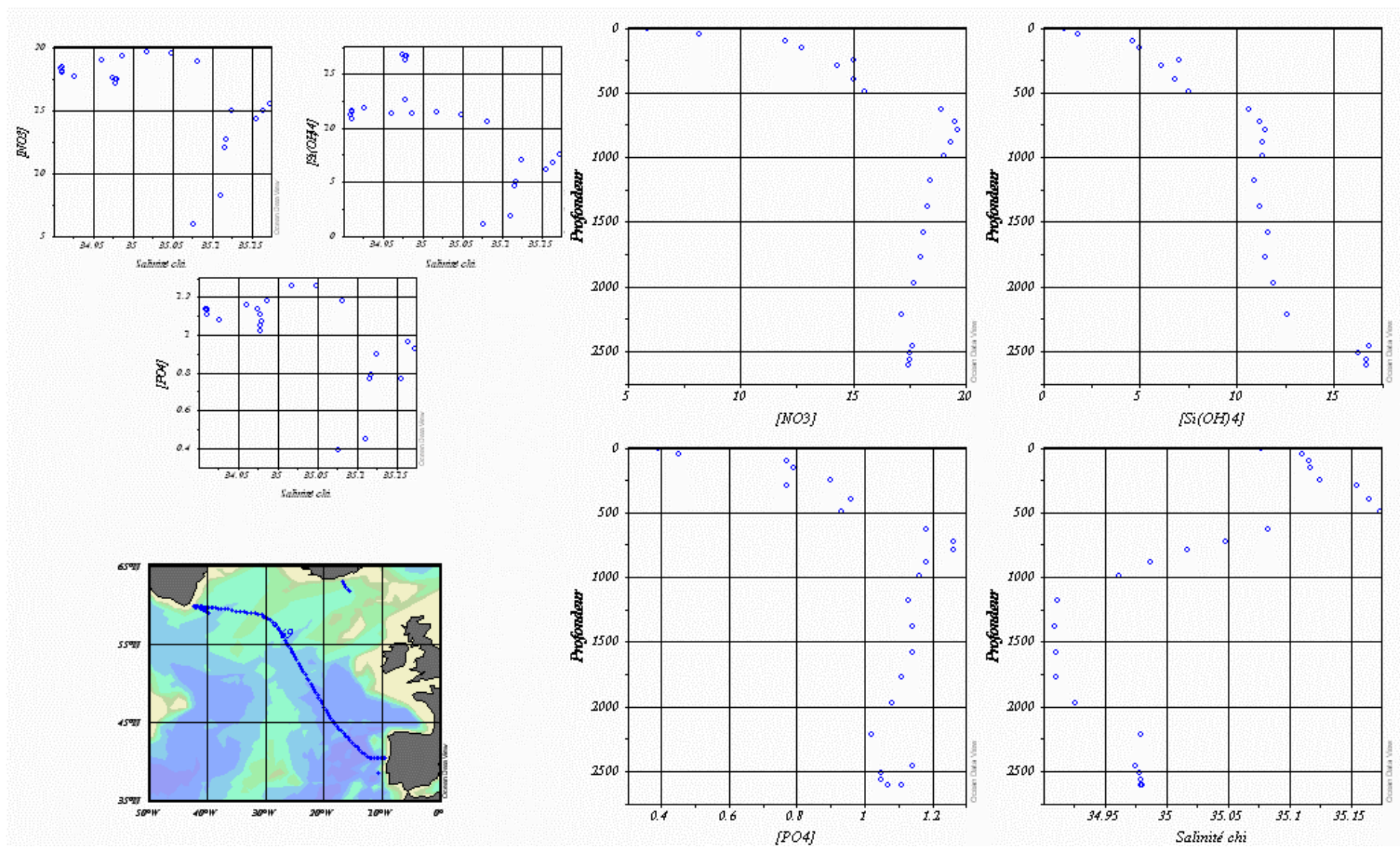
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
68	23	16.8	-16.6	10.393	35.049	35.053	6.631	5.2	0.9	0.35	4.60	1.72	0.53	5.73
68	22	51.1	-50.6	9.725	35.120	35.123	6.405	7.4	1.3	0.55				
68	21	100.1	-99.2	9.320	35.162	35.161	6.083	11.3	4.1	0.67				
68	20	150.6	-149.2	8.813	35.123	35.126	6.124	12.4	4.5	0.82	4.24	1.68	0.22	4.63
68	19	200.0	-198.1	8.647	35.109	35.113	6.044	13.1	5.4	0.83				
68	18	340.2	-336.8	7.053	34.982	34.983	4.998	19.4	10.6	1.15		2.73	0.23	2.82
68	17	400.5	-396.4	6.621	35.000	35.001	5.241	19.2	10.5	1.21	3.39	1.25	0.17	2.99
68	16	500.1	-494.9	5.846	34.974	34.976	5.33	19.8	11.1	1.18				
68	15	600.3	-593.9	5.230	34.982	34.984	5.502	19.6	11.4	1.11	3.58	0.89	0.17	2.85
68	14	700.1	-692.5	4.772	34.967	34.968	5.716	19.2	11.3	1.20				
68	13	801.1	-792.2	4.330	34.939	34.939	6.025	18.8	11.0	1.13	3.35	1.29	0.16	3.51
68	12	900.4	-890.2	4.034	34.920	34.923	6.13	18.5	11.0	1.11				
68	11	998.6	-987.1	3.839	34.909	34.911	6.267	18.3	10.9	1.07	4.12	2.47	0.22	3.98
68	10	1199.4	-1185.0	3.610	34.902	34.904	6.363	18.1	11.0	1.07	3.95	1.57	0.20	4.31
68	9	1399.6	-1382.1	3.470	34.906	34.905	6.369	18.1	11.4	1.08	3.25	1.97	0.14	3.80
68	8	1600.9	-1580.1	3.326	34.904	34.908	6.395	18.1	11.7	1.02		2.22	0.24	3.82
68	7	1801.1	-1776.9	3.157	34.904	34.905	6.397	17.8	11.8	1.13	2.66		0.10	3.39
68	6	1998.8	-1971.0	3.063	34.917	34.920	6.441	17.6	12.2	1.05	3.27	2.01	0.10	4.04
68	5	2251.1	-2218.5	2.977	34.950	34.950	6.365	17.4	13.0	0.99				
68	4	2501.3	-2463.7	2.749	34.976	34.977	6.304	17.3	14.7	1.04	2.45	0.84	0.12	2.64
68	3	2785.3	-2741.6	2.584	34.981	34.982	6.243	17.5	17.2	0.99	2.78	1.93	0.12	2.79

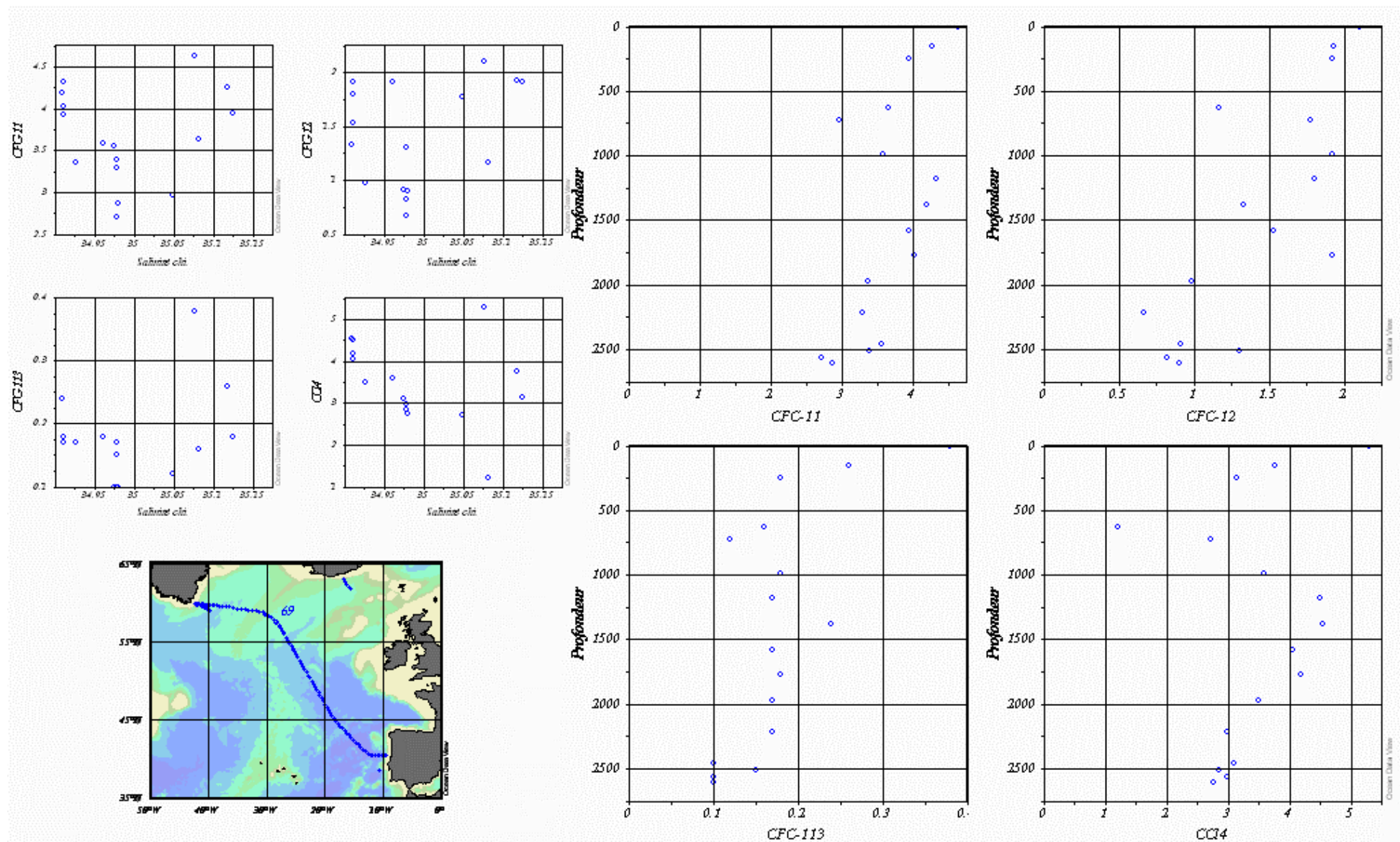




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
69	11/06/2006	02:41:14	57:22:52 N	28:10:39 W	2614m

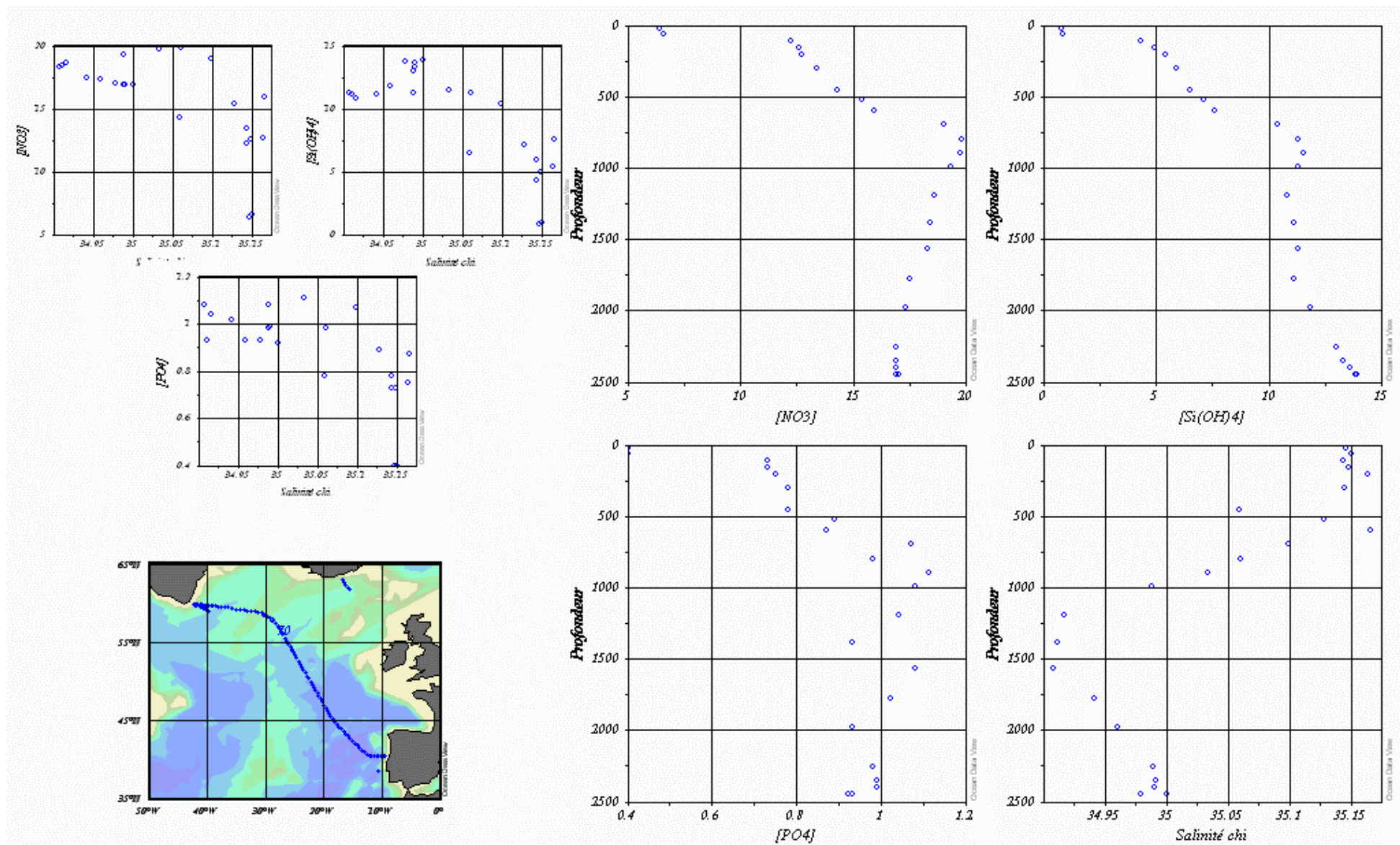
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
69	26	9.7	-9.6	10.091	35.074	35.077	6.688	5.9	1.1	0.39	4.63	2.10	0.38	5.29
69	25	50.0	-49.5	9.594	35.093	35.110	6.434	8.2	1.8	0.45				
69	24	99.4	-98.5	8.834	35.105	35.116	6.112	12.0	4.6	0.77				
69	23	150.0	-148.6	8.738	35.115	35.117	6.086	12.7	5.0	0.79	4.26	1.93	0.26	3.77
69	22	248.3	-245.9	8.417	35.125	35.125	5.753	15.0	7.0	0.90	3.94	1.92	0.18	3.14
69	21	298.9	-295.9	8.326	35.155	35.155	6.007	14.3	6.1	0.77				
69	20	398.0	-394.0	7.990	35.169	35.164	6.017	15.0	6.8	0.96				
69	19	498.6	-493.4	7.703	35.174	35.173	6.019	15.5	7.5	0.93				
69	18	639.4	-632.5	6.667	35.079	35.082	5.344	18.9	10.6	1.18	3.64	1.17	0.16	1.21
69	17	729.3	-721.3	5.921	35.049	35.048	5.341	19.5	11.2	1.26	2.96	1.77	0.12	2.71
69	16	800.0	-791.1	5.372	35.017	35.017	5.477	19.6	11.5	1.26				
69	15	898.1	-887.9	4.866	34.986	34.987	5.667	19.3	11.3	1.18				
69	14	999.5	-987.9	4.429	34.958	34.961	5.882	19.0	11.3	1.16	3.58	1.92	0.18	3.59
69	13	1198.2	-1183.7	3.835	34.913	34.912	6.244	18.4	10.9	1.13	4.32	1.80	0.17	4.49
69	12	1398.8	-1381.3	3.597	34.908	34.909	6.331	18.3	11.2	1.14	4.18	1.33	0.24	4.54
69	11	1600.1	-1579.3	3.429	34.911	34.911	6.375	18.1	11.6	1.14	3.93	1.53	0.17	4.05
69	10	1799.8	-1775.6	3.249	34.911	34.911	6.435	18.0	11.5	1.11	4.02	1.92	0.18	4.19
69	9	1999.4	-1971.6	3.139	34.926	34.926	6.465	17.7	11.9	1.08	3.36	0.98	0.17	3.50
69	8	2248.2	-2215.6	2.978	34.980	34.979	6.382	17.1	12.6	1.02	3.29	0.67	0.17	2.98
69	7	2498.8	-2461.1	2.623	34.977	34.975	6.281	17.6	16.8	1.14	3.55	0.91	0.10	3.09
69	6	2549.6	-2510.9	2.611	34.981	34.978	6.288	17.5	16.3	1.05	3.39	1.30	0.15	2.84
69	5	2601.3	-2561.5	2.585	34.980	34.979	6.279	17.5	16.7	1.05	2.71	0.82	0.10	2.98
69	4	2645.0	-2604.2	2.575	34.982	34.980	6.292	17.4	16.7	1.07	2.87	0.90	0.10	2.76
69	3	2644.9	-2604.1	2.575	34.982	34.979	6.257	17.4	16.7	1.11				

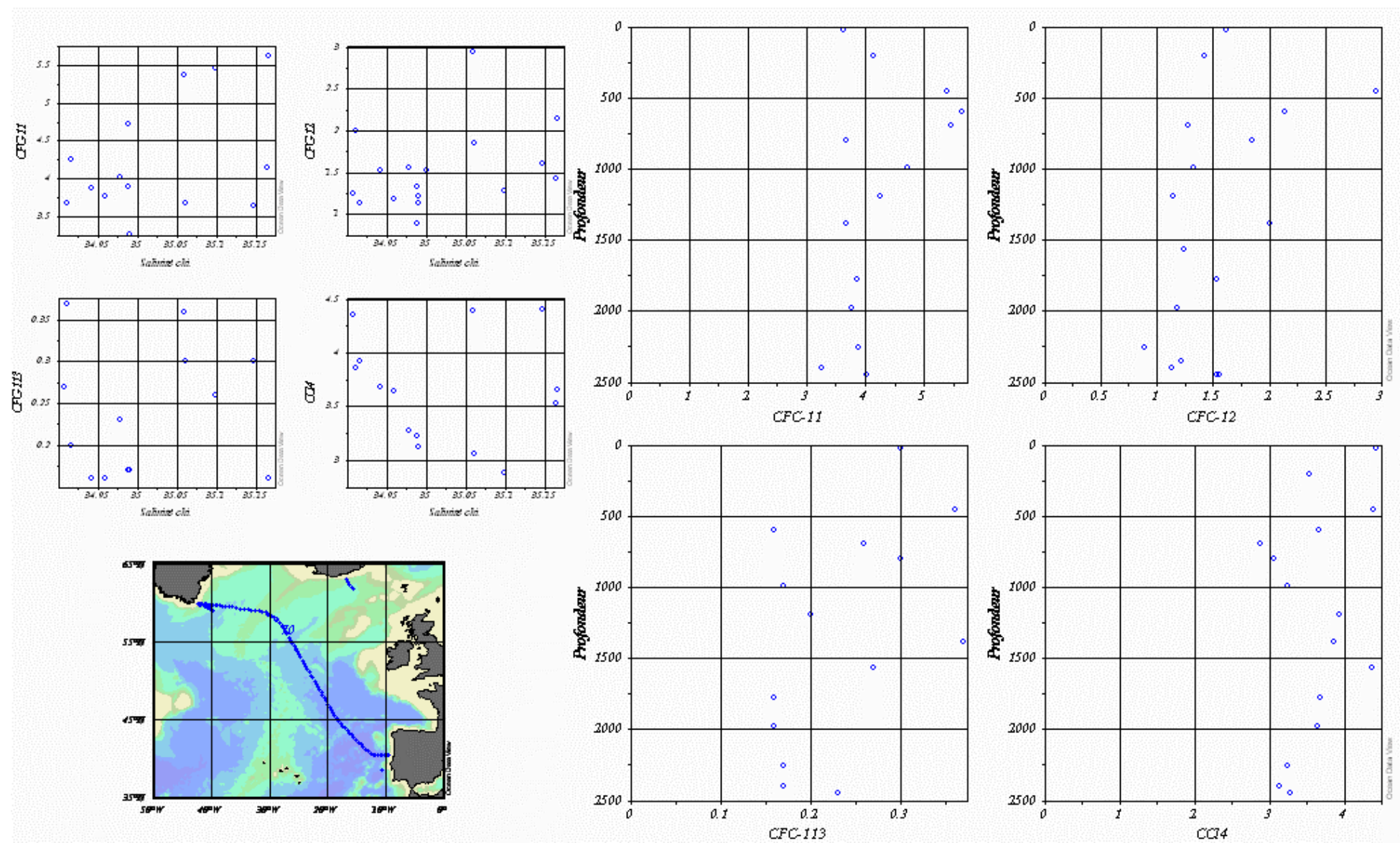




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
70	11/06/2006	08:14:40	57:40:41 N	28:43:51 W	2612m

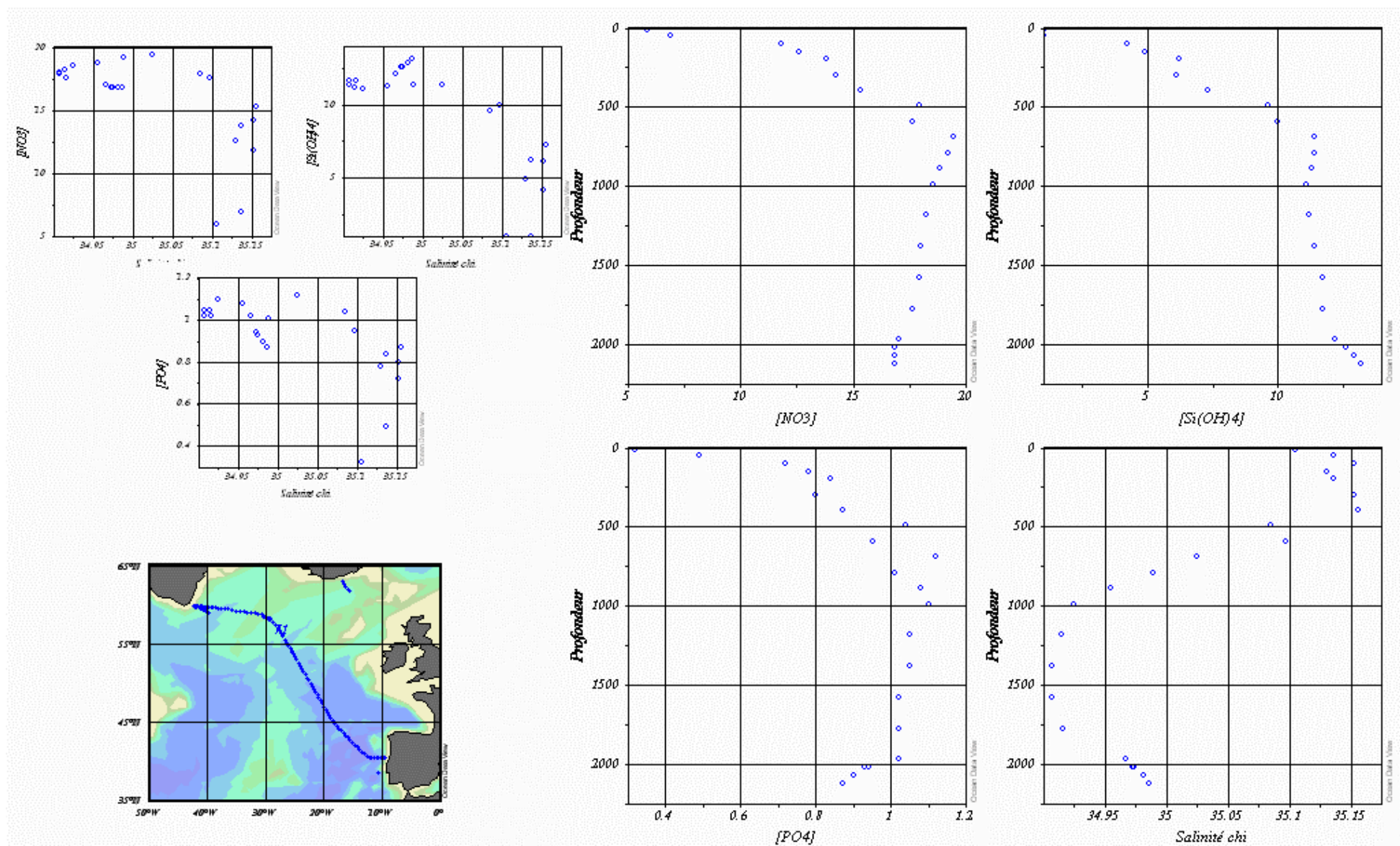
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
70	25	18.4	-18.2	10.112	35.138	35.146	6.602	6.4	0.8	0.40	3.64	1.61	0.30	4.41
70	24	51.0	-50.5	10.056	35.148	35.150	6.554	6.6	0.9	0.40				
70	23	101.5	-100.5	8.997	35.141	35.143	6.075	12.2	4.3	0.73				
70	22	151.1	-149.6	8.783	35.144	35.148	6.15	12.6	4.9	0.73				
70	21	201.5	-199.5	8.802	35.160	35.163	6.21	12.7	5.4	0.75	4.14	1.42		3.53
70	20	298.2	-295.2	8.609	35.143	35.144	6.117	13.4	5.9	0.78				
70	19	450.9	-446.2	7.594	35.059	35.059	6.321	14.3	6.5	0.78	5.38	2.95	0.36	4.39
70	18	521.0	-515.5	7.707	35.112	35.128	5.953	15.4	7.1	0.89				
70	17	600.5	-594.1	7.712	35.164	35.166	5.914	15.9	7.6	0.87	5.64	2.14	0.16	3.66
70	16	699.2	-691.6	6.906	35.097	35.099	5.254	19.0	10.4	1.07	5.47	1.28	0.26	2.88
70	15	800.8	-791.9	6.008	35.062	35.060	5.257	19.8	11.3	0.98	3.68	1.85	0.30	3.06
70	14	900.4	-890.1	5.322	35.033	35.034	5.462	19.7	11.5	1.11				
70	13	999.5	-987.9	4.719	34.982	34.988	5.715	19.3	11.3	1.08	4.72	1.33	0.17	3.23
70	12	1199.5	-1185.0	3.904	34.915	34.917	6.187	18.6	10.8	1.04	4.26	1.14	0.20	3.92
70	11	1400.7	-1383.1	3.682	34.910	34.912	6.298	18.4	11.1	0.93	3.67	2.00	0.37	3.86
70	10	1581.4	-1560.9	3.482	34.907	34.908	6.345	18.3	11.3	1.08		1.24	0.27	4.36
70	9	1801.3	-1777.0	3.364	34.942	34.942	6.399	17.5	11.1	1.02	3.87	1.53	0.16	3.68
70	8	1999.7	-1971.8	3.146	34.963	34.960	6.381	17.3	11.8	0.93	3.77	1.18	0.16	3.64
70	7	2285.9	-2252.5	2.805	34.989	34.989	6.341	16.9	13.0	0.98	3.89	0.89	0.17	3.23
70	6	2383.4	-2348.0	2.727	34.991	34.991	6.346	16.9	13.3	0.99		1.21		
70	5	2435.9	-2399.5	2.702	34.991	34.990	6.338	16.9	13.6	0.99	3.26	1.13	0.17	3.13
70	4	2485.2	-2447.7	2.691	34.990	35.000	6.334	16.9	13.9	0.92		1.53		
70	3	2485.1	-2447.6	2.691	34.990	34.979	6.33	17.0	13.8	0.93	4.02	1.55	0.23	3.27

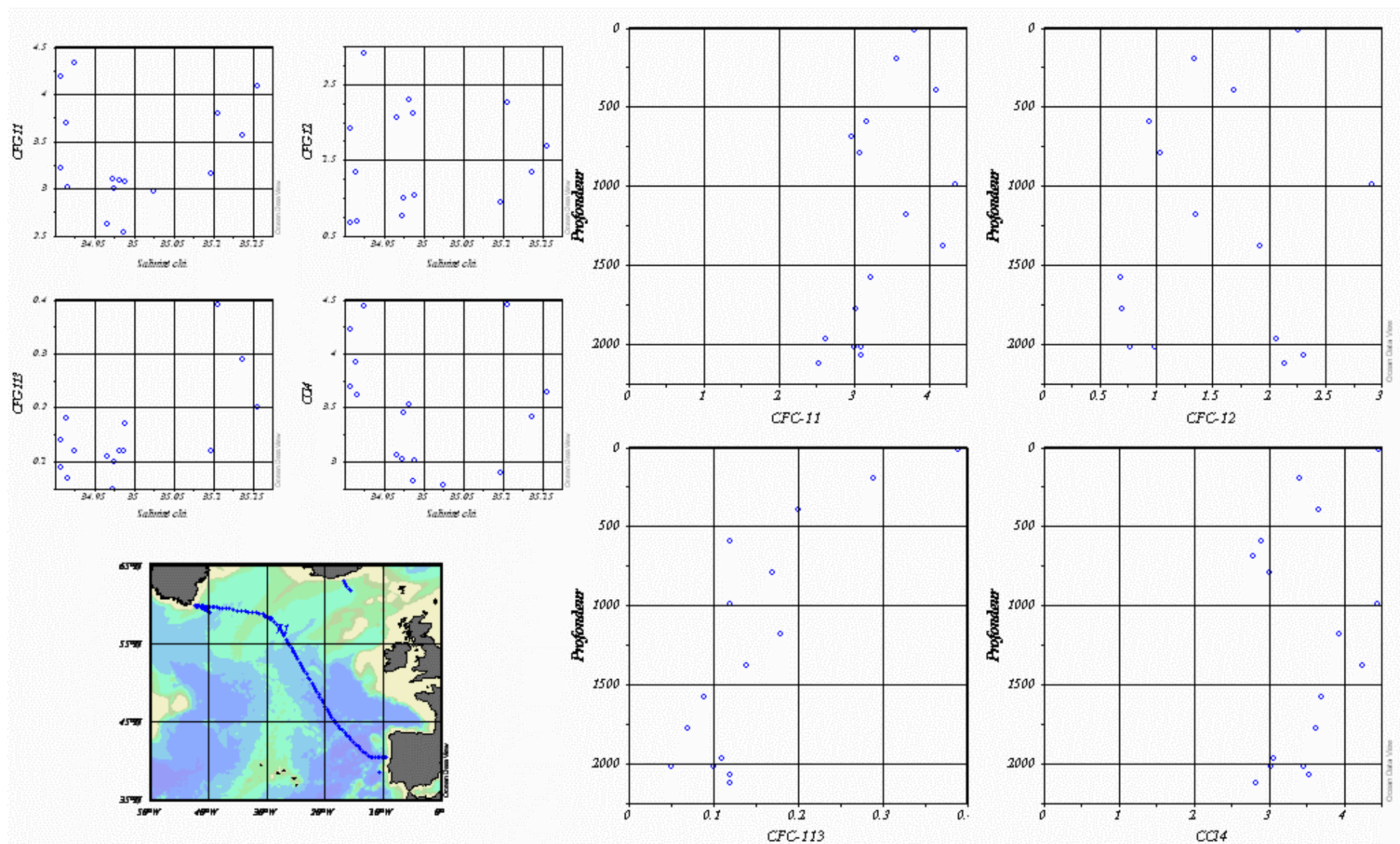




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
71	11/06/2006	14:56:22	57:58:22 N	29:16:60 W	2137m

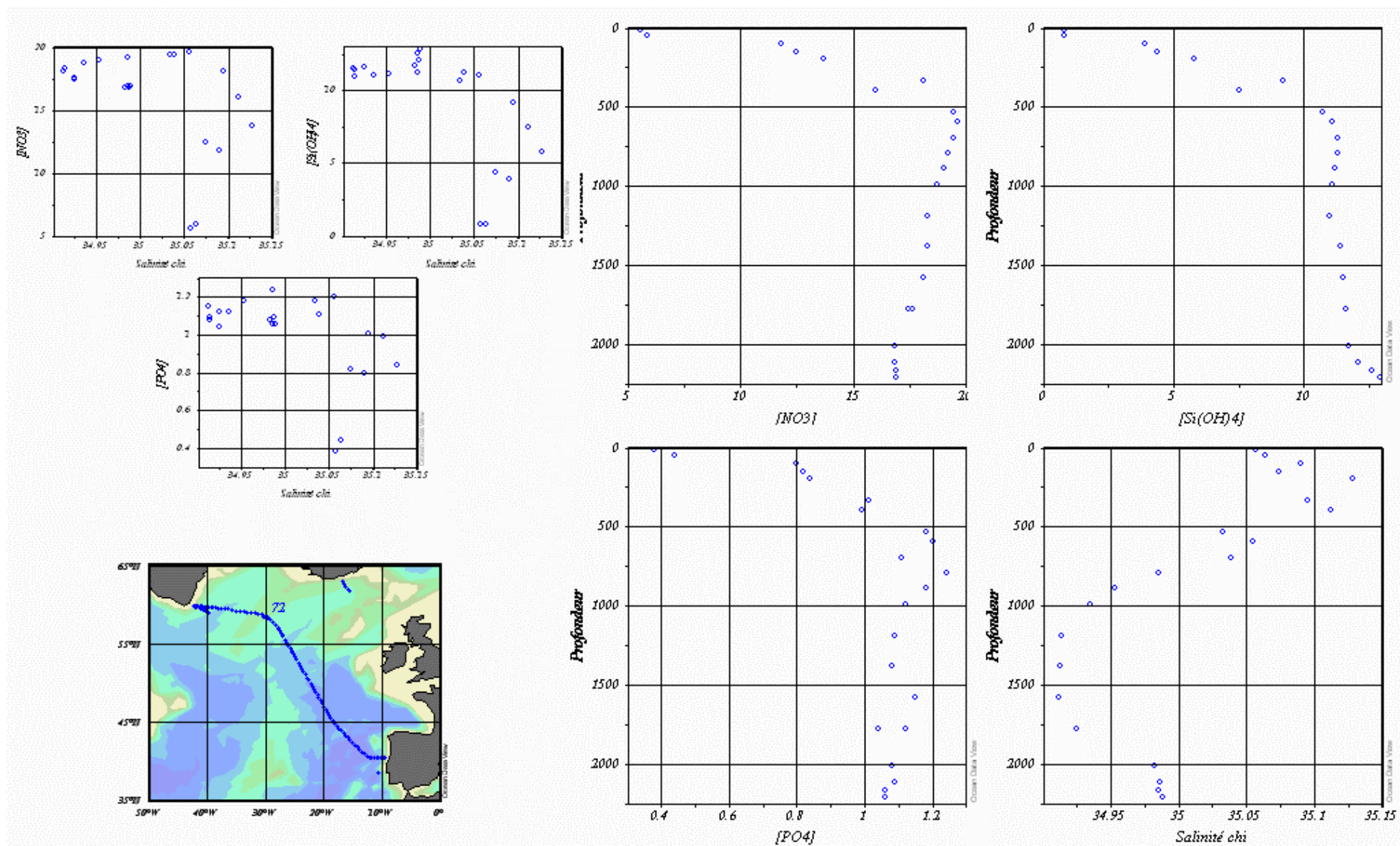
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
71	24	10.9	-10.8	10.061	35.103	35.105	6.615	5.9	1.0	0.32	3.80	2.26	0.39	4.46
71	23	49.5	-49.0	10.004	35.123	35.136	6.466	6.9	1.0	0.49				
71	22	99.9	-99.0	9.105	35.148	35.152	6.065	11.8	4.2	0.72				
71	21	149.4	-148.0	8.782	35.129	35.130	6.101	12.6	4.9	0.78				
71	20	199.8	-197.9	8.637	35.136	35.136	5.931	13.8	6.2	0.84	3.56	1.34	0.29	3.41
71	19	298.7	-295.7	8.271	35.152	35.152	6.046	14.2	6.1	0.80				
71	18	398.3	-394.2	7.957	35.156	35.156	5.865	15.3	7.3	0.87	4.09	1.69	0.20	3.65
71	17	498.4	-493.2	7.065	35.074	35.085	5.451	17.9	9.6	1.04				
71	16	599.9	-593.5	6.659	35.095	35.097	5.599	17.6	10.0	0.95	3.16	0.94	0.12	2.89
71	15	699.2	-691.6	5.686	35.024	35.025	5.359	19.4	11.4	1.12	2.97			2.78
71	14	799.0	-790.1	4.965	34.991	34.989	5.645	19.2	11.4	1.01	3.07	1.03	0.17	3.01
71	13	899.5	-889.2	4.465	34.951	34.955	5.875	18.8	11.3	1.08				
71	12	998.9	-987.3	4.112	34.924	34.925	6.085	18.5	11.1	1.10	4.34	2.91	0.12	4.44
71	11	1197.9	-1183.4	3.759	34.911	34.915	6.27	18.2	11.2	1.05	3.70	1.35	0.18	3.92
71	10	1398.6	-1381.0	3.528	34.905	34.907	6.347	18.0	11.4	1.05	4.19	1.92	0.14	4.23
71	9	1601.1	-1580.2	3.324	34.906	34.907	6.41	17.9	11.7	1.02	3.22	0.68	0.09	3.70
71	8	1801.0	-1776.7	3.186	34.915	34.916	6.453	17.6	11.7	1.02	3.02	0.69	0.07	3.62
71	7	1999.1	-1971.2	3.075	34.965	34.967	6.396	17.0	12.2	1.02	2.63	2.06	0.11	3.06
71	6	2048.7	-2019.8	2.991	34.971	34.974	6.374	16.8	12.6	0.93	3.00	0.99	0.10	3.46
71	5	2048.9	-2020.0	2.991	34.971	34.973	6.4	16.8	12.6	0.94	3.10	0.77	0.05	3.02
71	4	2099.9	-2070.1	2.894	34.981	34.982	6.377	16.8	12.9	0.90	3.09	2.30	0.12	3.53
71	3	2155.2	-2124.3	2.827	34.983	34.986	6.359	16.8	13.2	0.87	2.53	2.13	0.12	2.82

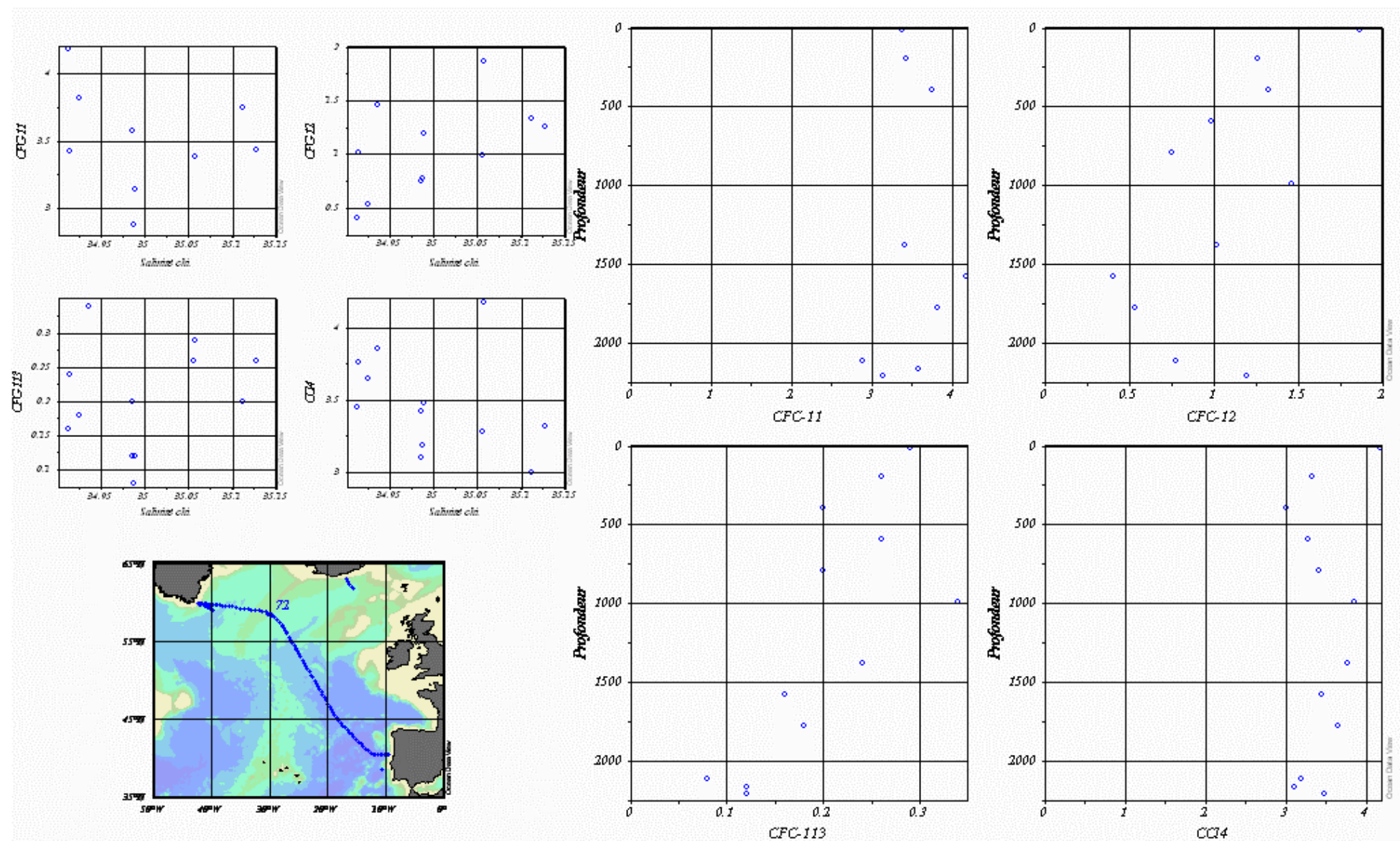




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
72	11/06/2006	19:59:16	58:12:42 N	29:43:38 W	2233m

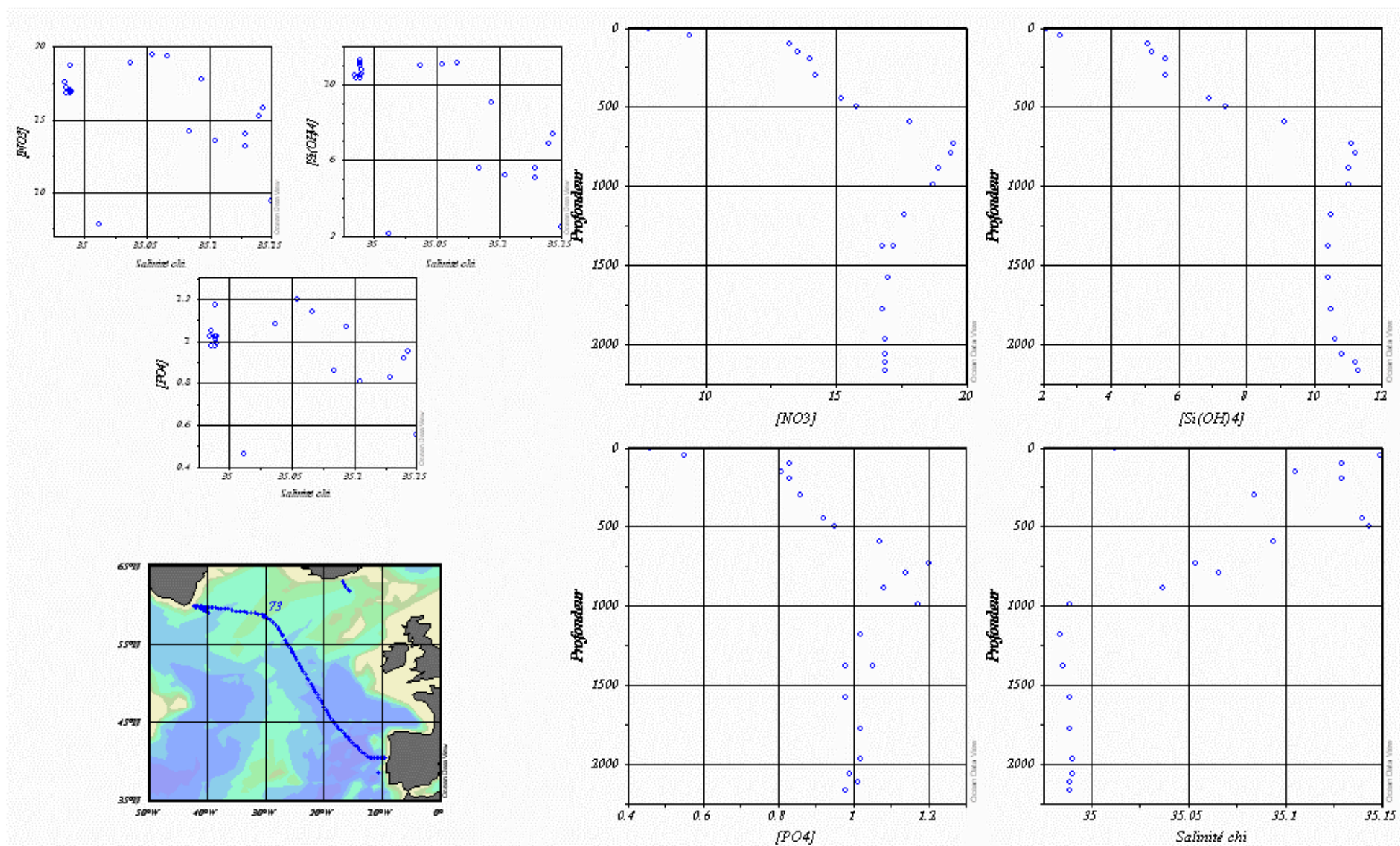
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
72	24	17.0	-16.8	10.044	35.055	35.057	6.581	5.6	0.8	0.38	3.38	1.87	0.29	4.18
72	23	50.5	-50.0	10.015	35.059	35.064	6.553	5.9	0.8	0.44				
72	22	99.3	-98.4	8.858	35.091	35.090	6.138	11.8	3.9	0.80				
72	21	151.6	-150.1	8.587	35.076	35.074	6.176	12.5	4.4	0.82				
72	20	200.5	-198.5	8.683	35.122	35.128	5.946	13.7	5.8	0.84	3.43	1.26	0.26	3.32
72	19	339.9	-336.5	7.761	35.093	35.095	5.184	18.1	9.2	1.01				
72	18	400.7	-396.6	7.522	35.107	35.112	5.895	16.0	7.5	0.99	3.75	1.33	0.20	3.00
72	17	541.0	-535.3	6.415	35.029	35.033	5.219	19.4	10.7	1.18				
72	16	600.1	-593.7	6.110	35.057	35.055	5.272	19.6	11.1	1.20		0.99	0.26	3.28
72	15	700.1	-692.4	5.589	35.035	35.039	5.361	19.4	11.3	1.11				
72	14	801.2	-792.2	4.818	34.980	34.985	5.673	19.2	11.3	1.24		0.75	0.20	3.42
72	13	899.6	-889.3	4.397	34.949	34.953	5.911	19.0	11.2	1.18				
72	12	1000.3	-988.6	4.087	34.929	34.935	6.067	18.7	11.1	1.12		1.46	0.34	3.86
72	11	1200.4	-1185.8	3.728	34.911	34.914	6.263	18.3	11.0	1.09				
72	10	1400.7	-1383.0	3.534	34.909	34.913	6.312	18.3	11.4	1.08	3.42	1.02	0.24	3.76
72	9	1602.1	-1581.2	3.346	34.910	34.912	6.394	18.1	11.5	1.15	4.18	0.41	0.16	3.45
72	8	1799.8	-1775.4	3.214	34.924	34.925	6.436	17.4	11.6	1.04	3.82	0.54	0.18	3.65
72	7	1799.7	-1775.3	3.215	34.924	34.925	6.446	17.6	11.6	1.12				
72	6	2043.1	-2014.3	3.070	34.981	34.982	6.359	16.8	11.7	1.08				
72	5	2142.6	-2111.9	2.958	34.985	34.986	6.359	16.8	12.1	1.09	2.88	0.78	0.08	3.19
72	4	2196.4	-2164.7	2.891	34.984	34.985	6.35	16.9	12.6	1.06	3.58		0.12	3.10
72	3	2243.3	-2210.6	2.833	34.987	34.988	6.346	16.9	12.9	1.06	3.14	1.20	0.12	3.48

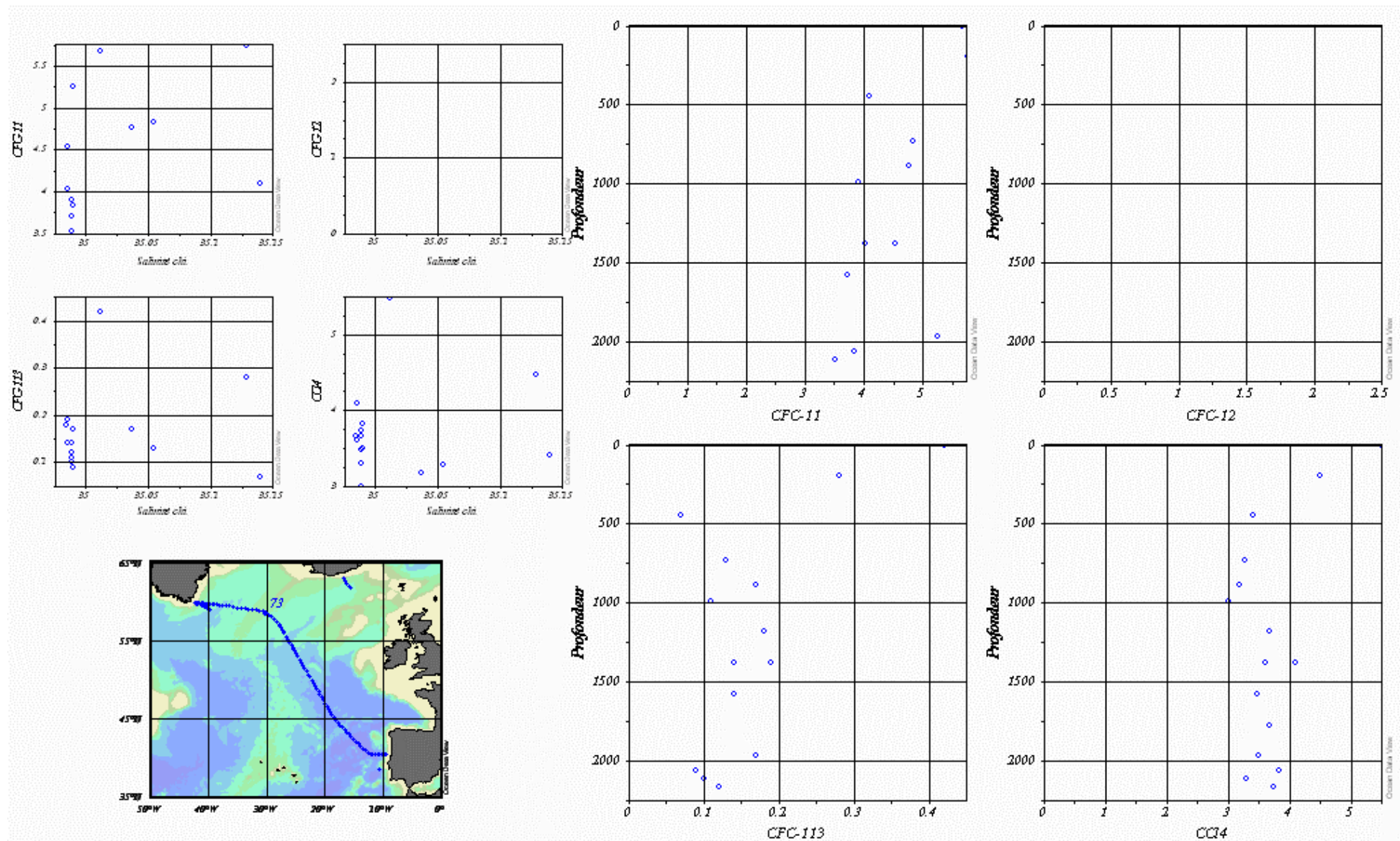




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
73	12/06/2006	00:26:52	58:24:51 N	30:06:11 W	2176m

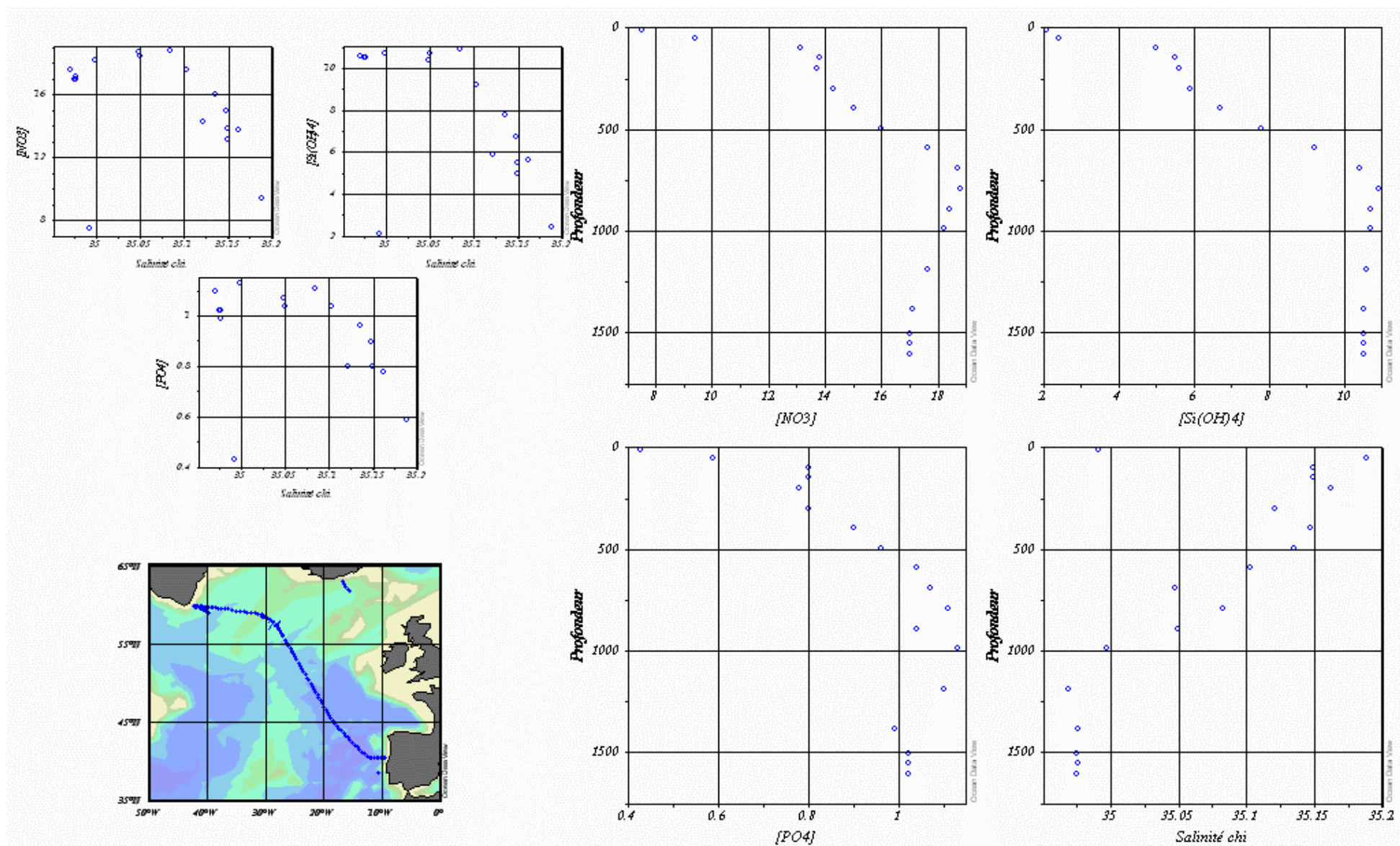
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
73	25	8.7	-8.6	9.331	35.011	35.012	6.675	7.8	2.1	0.46	5.68		0.42	5.49
73	24	49.7	-49.2	9.222	35.145	35.149	6.589	9.4	2.5	0.55				
73	22	99.5	-98.6	8.578	35.127	35.129	6.096	13.2	5.1	0.83				
73	21	149.7	-148.3	8.227	35.107	35.105	6.195	13.5	5.2	0.81				
73	20	200.0	-198.0	8.155	35.126	35.129	6.169	14.0	5.6	0.83	5.75		0.28	4.48
73	19	299.6	-296.6	7.643	35.083	35.084	6.307	14.2	5.6	0.86				
73	18	450.4	-445.7	7.626	35.141	35.140	6.249	15.2	6.9	0.92	4.09		0.07	3.40
73	17	500.1	-494.9	7.548	35.143	35.143	6.022	15.8	7.4	0.95				
73	16	600.7	-594.3	6.929	35.088	35.094	5.629	17.8	9.1	1.07				
73	15	740.8	-732.6	5.922	35.050	35.054	5.336	19.5	11.1	1.20	4.83		0.13	3.28
73	14	801.9	-792.9	5.695	35.065	35.066	5.455	19.4	11.2	1.14				
73	13	900.2	-889.9	5.127	35.036	35.037	5.844	18.9	11.0	1.08	4.76		0.17	3.18
73	12	1001.4	-989.7	4.576	34.991	34.989	5.912	18.7	11.0	1.17	3.90		0.11	3.00
73	11	1199.8	-1185.2	3.987	34.982	34.984	6.205	17.6	10.5	1.02			0.18	3.66
73	10	1400.7	-1383.0	3.688	34.984	34.985	6.305	17.2	10.4	0.98	4.53		0.19	4.09
73	9	1400.8	-1383.1	3.687	34.984	34.985	6.317	16.8	10.4	1.05	4.03		0.14	3.61
73	8	1601.2	-1580.2	3.546	34.988	34.989	6.34	17.0	10.4	0.98	3.71		0.14	3.48
73	7	1800.0	-1775.6	3.455	34.988	34.989	6.35	16.8	10.5	1.02				3.67
73	6	1999.4	-1971.4	3.386	34.989	34.990	6.353	16.9	10.6	1.02	5.26		0.17	3.49
73	5	2097.8	-2067.9	3.286	34.988	34.990	6.37	16.9	10.8	0.99	3.83		0.09	3.82
73	4	2148.8	-2117.9	3.169	34.987	34.989	6.371	16.9	11.2	1.01	3.52		0.10	3.30
73	3	2201.5	-2169.6	3.141	34.986	34.989	6.378	16.9	11.3	0.98			0.12	3.73

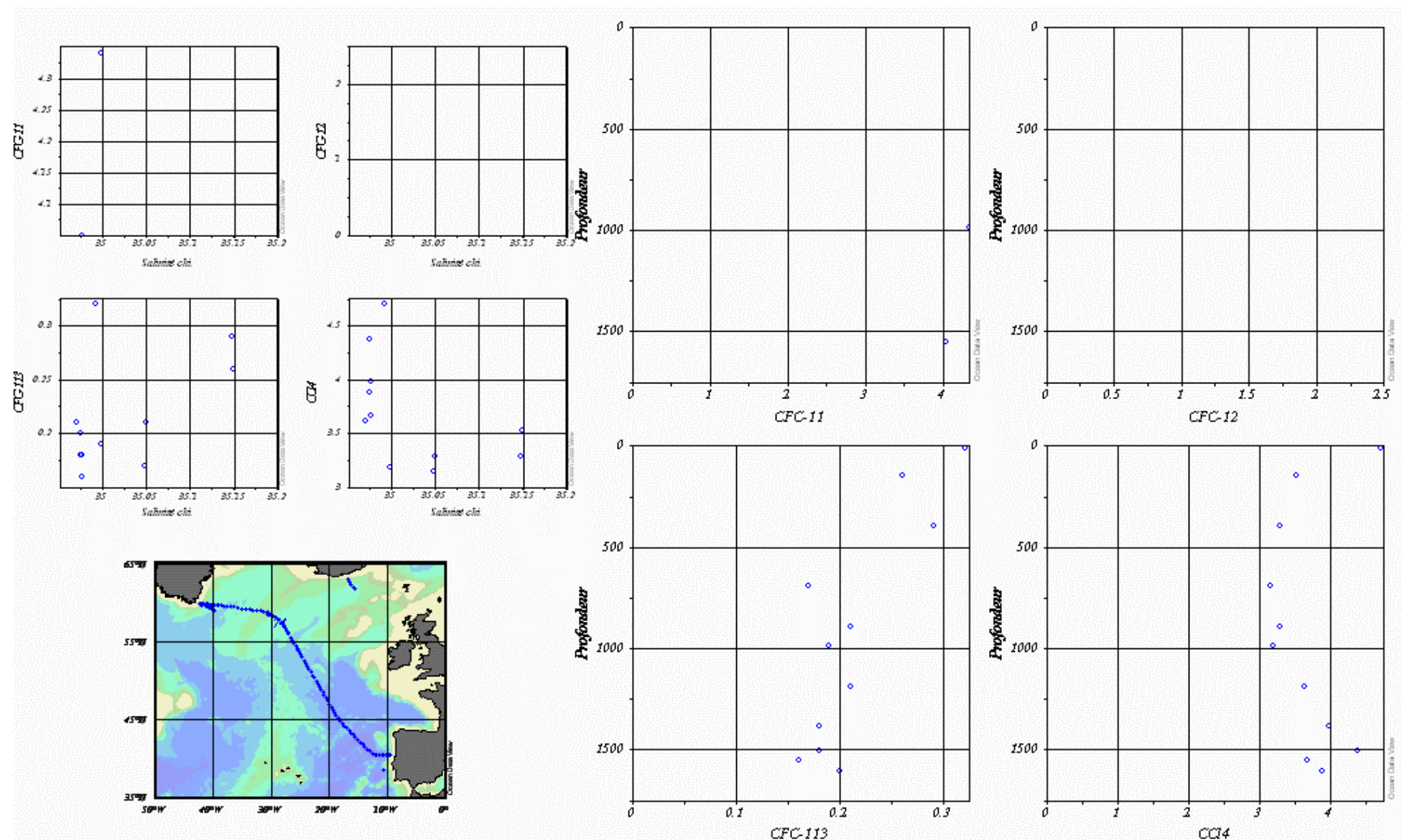




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
74	12/06/2006	04:05:39	58:32:96 N	30:21:98 W	1613m

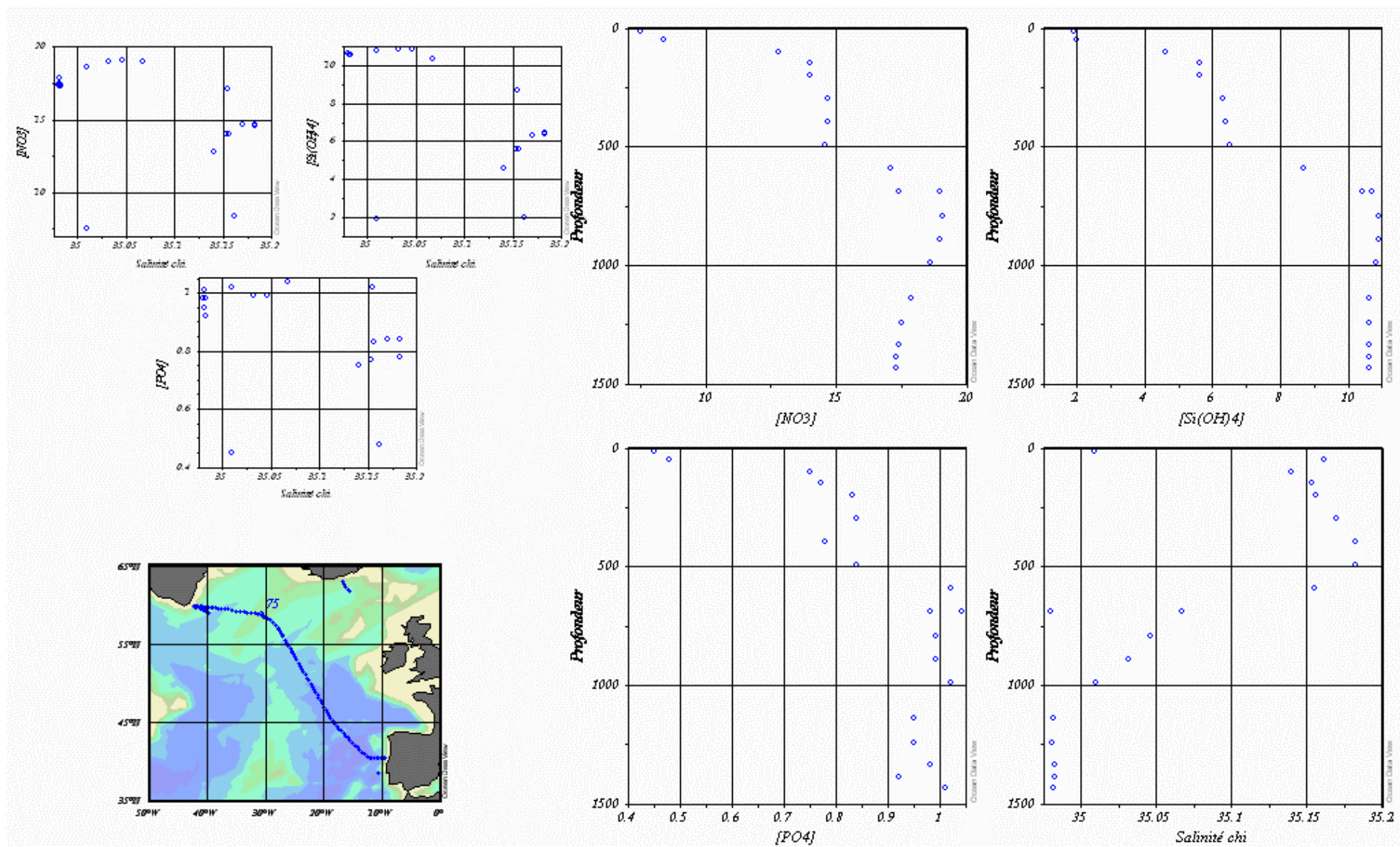
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
74	20	8.5	-8.4	9.230	34.989	34.991	6.712	7.5	2.1	0.43			0.32	4.71
74	19	49.7	-49.2	9.251	35.185	35.188	6.429	9.4	2.4	0.59				
74	18	98.5	-97.6	8.585	35.147	35.149	6.098	13.1	5.0	0.80				
74	17	148.5	-147.1	8.366	35.149	35.149	6.084	13.8	5.5	0.80			0.26	3.52
74	16	199.8	-197.8	8.288	35.158	35.162	6.194	13.7	5.6	0.78				
74	15	299.3	-296.3	7.810	35.121	35.121	6.206	14.3	5.9	0.80				
74	14	399.0	-394.9	7.701	35.143	35.147	6.1	15.0	6.7	0.90			0.29	3.29
74	13	498.2	-493.0	7.460	35.137	35.135	5.912	16.0	7.8	0.96				
74	12	598.5	-592.1	6.941	35.103	35.103	5.612	17.6	9.2	1.04				
74	11	698.9	-691.2	6.093	35.046	35.047	5.481	18.7	10.4	1.07			0.17	3.15
74	10	799.1	-790.1	5.778	35.080	35.083	5.451	18.8	10.9	1.11				
74	9	900.4	-890.1	5.194	35.045	35.049	5.703	18.4	10.7	1.04			0.21	3.28
74	8	997.5	-985.8	4.604	34.992	34.997	5.894	18.2	10.7	1.13	4.34		0.19	3.18
74	7	1199.9	-1185.3	4.021	34.965	34.969	6.207	17.6	10.6	1.10			0.21	3.62
74	6	1400.3	-1382.6	3.718	34.974	34.976	6.303	17.1	10.5	0.99			0.18	3.98
74	5	1523.5	-1503.8	3.686	34.973	34.975	6.311	17.0	10.5	1.02			0.18	4.37
74	4	1574.1	-1553.6	3.664	34.974	34.976	6.318	17.0	10.5	1.02	4.05		0.16	3.66
74	3	1623.9	-1602.5	3.658	34.974	34.975	6.321	17.0	10.5	1.02			0.20	3.88

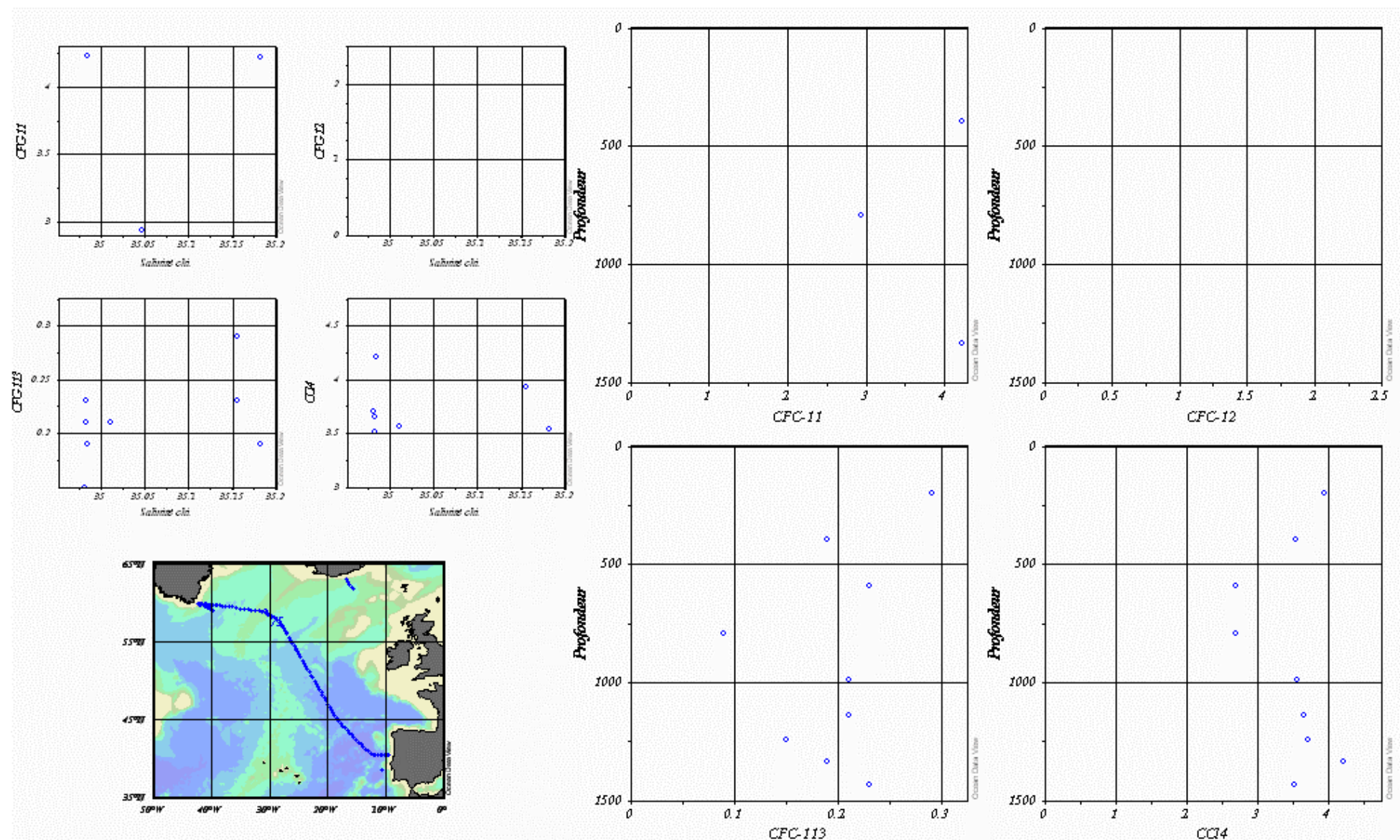




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
75	12/06/2006	08:00:23	58:43:56 N	30:41:70 W	1451m

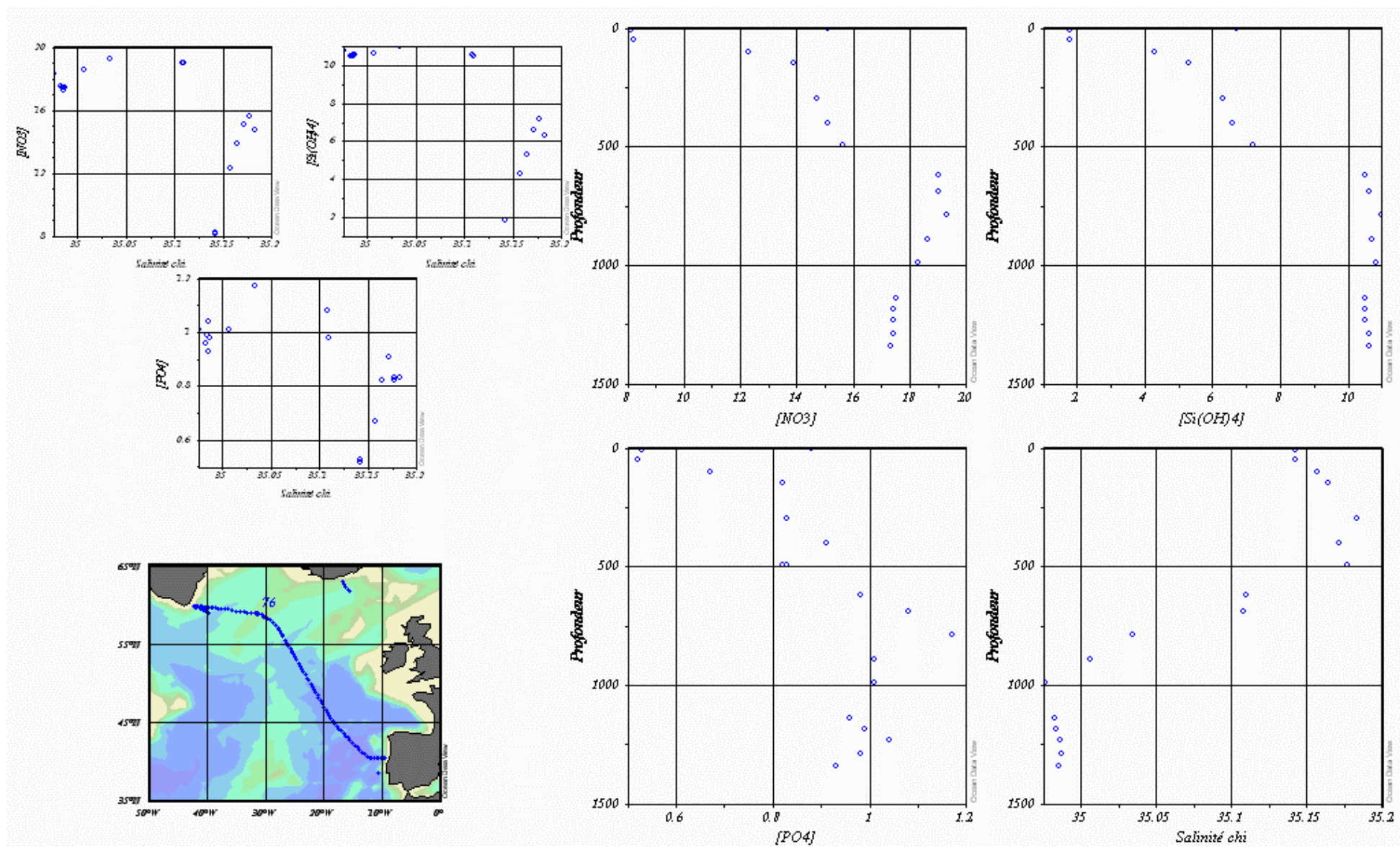
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
75	21	13.3	-13.2	9.323	35.007	35.009	6.683	7.5	1.9	0.45			0.40	5.44
75	20	50.5	-50.0	9.546	35.154	35.161	6.552	8.4	2.0	0.48				
75	19	100.6	-99.6	8.608	35.136	35.140	6.172	12.8	4.6	0.75				
75	18	150.7	-149.2	8.357	35.150	35.153	6.072	14.0	5.6	0.77				
75	17	200.0	-198.0	8.255	35.154	35.156	6.132	14.0	5.6	0.83			0.29	3.93
75	16	298.1	-295.1	7.994	35.169	35.170	6.079	14.7	6.3	0.84				
75	15	401.2	-397.1	7.810	35.180	35.182	6.214	14.7	6.4	0.78	4.22		0.19	3.54
75	14	500.2	-494.9	7.665	35.180	35.182	6.446	14.6	6.5	0.84				
75	13	598.1	-591.7	7.278	35.153	35.155	5.65	17.1	8.7	1.02			0.23	2.70
75	12	697.3	-689.6	6.325	35.065	35.067	5.39	19.0	10.4	1.04				
75	11	698.1	-690.4	6.317	35.066	34.980	6.253	17.4	10.7	0.98				
75	10	802.3	-793.3	5.752	35.045	35.046	5.422	19.1	10.9	0.99	2.94		0.09	2.70
75	9	901.8	-891.5	5.179	35.031	35.032	5.638	19.0	10.9	0.99				
75	8	1000.2	-988.5	4.772	35.007	35.010	5.814	18.6	10.8	1.02			0.21	3.56
75	7	1152.0	-1138.1	4.108	34.972	34.982	6.143	17.9	10.6	0.95			0.21	3.65
75	6	1256.1	-1240.6	3.884	34.979	34.981	6.222	17.5	10.6	0.95			0.15	3.71
75	5	1352.6	-1335.6	3.815	34.980	34.983	6.248	17.4	10.6	0.98	4.23		0.19	4.21
75	4	1403.8	-1386.0	3.784	34.979	34.983	6.258	17.3	10.6	0.92				
75	3	1454.7	-1436.1	3.782	34.979	34.982	6.266	17.3	10.6	1.01			0.23	3.51

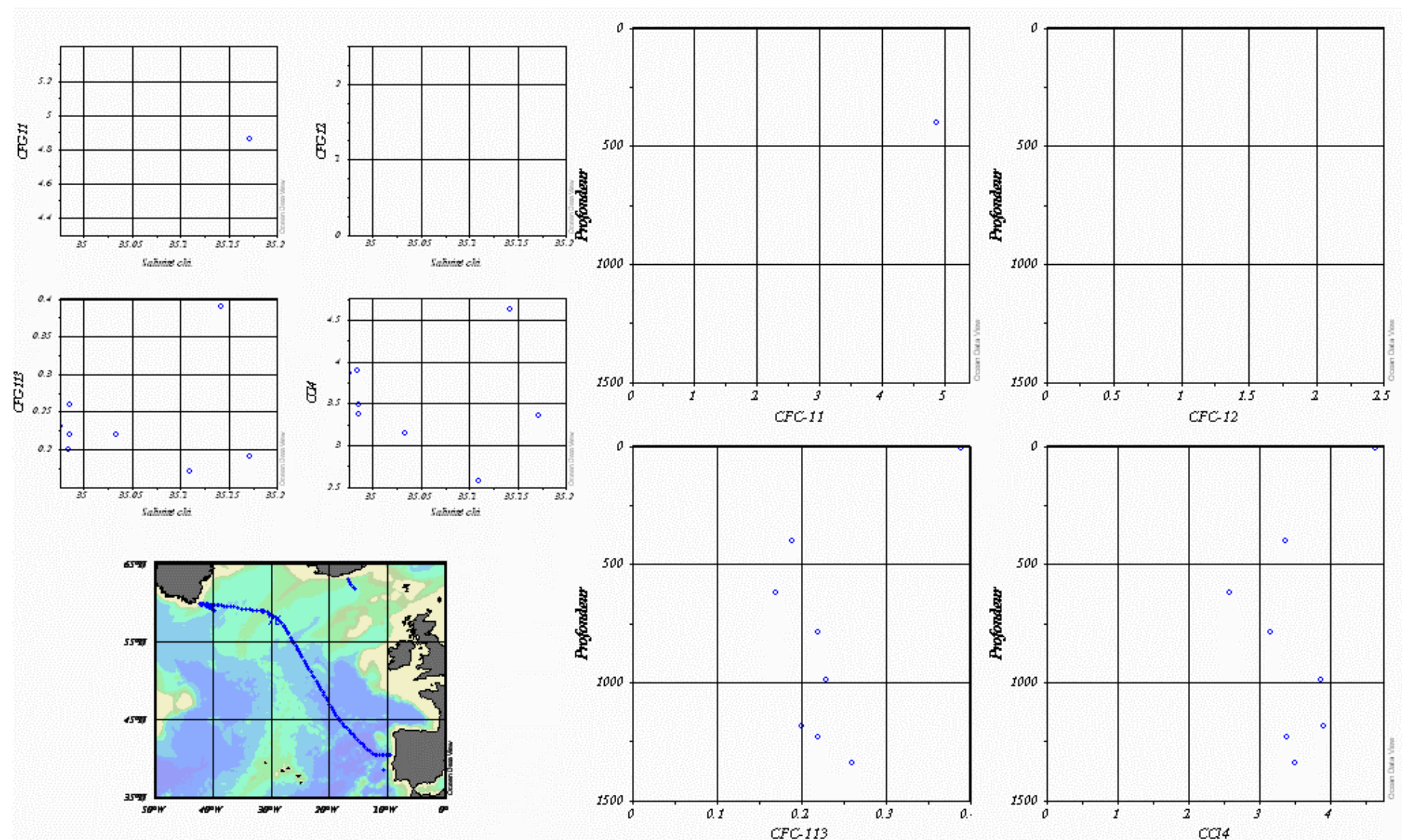




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
76	12/06/2006	12:15:25	58:50:59 N	31:16:01 W	1363m

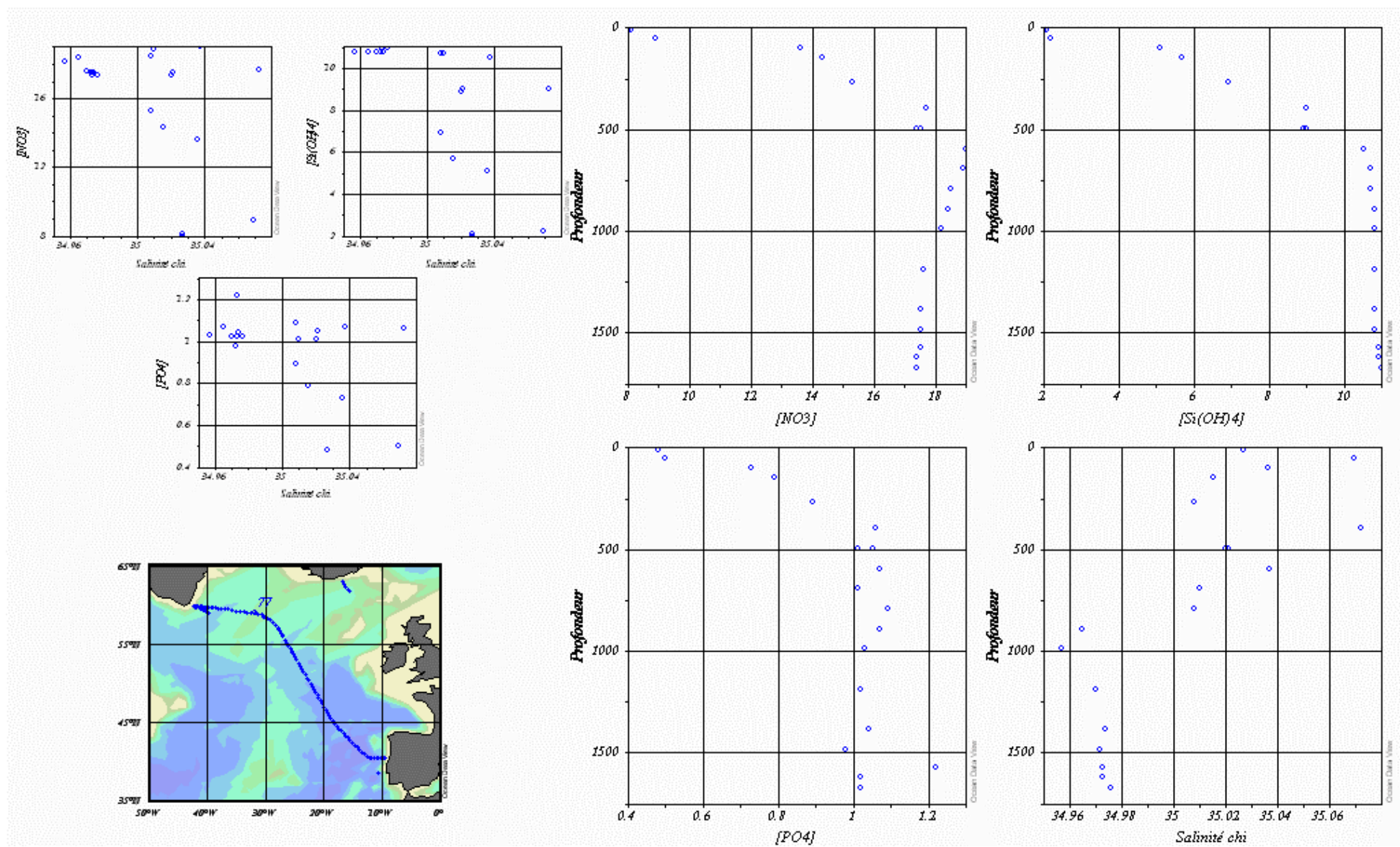
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
76	21	10.8	-10.7	9.557	35.132	35.142	6.59	8.1	1.8	0.53			0.39	4.62
76	20	50.4	-49.9	9.546	35.133	35.142	6.56	8.2	1.8	0.52				
76	19	100.3	-99.3	8.670	35.145	35.157	6.203	12.3	4.3	0.67				
76	18	149.7	-148.2	8.431	35.153	35.164	6.082	13.9	5.3	0.82				
76	17							15.1	6.7	0.88				
76	16	299.3	-296.3	8.111	35.175	35.183	6.095	14.7	6.3	0.83				
76	15	402.3	-398.2	7.752	35.161	35.171	6.139	15.1	6.6	0.91	4.86		0.19	3.36
76	14	499.1	-493.8	7.611	35.170	35.177	6.064	15.6	7.2	0.82				
76	13	499.0	-493.7	7.572	35.165	35.177	6.064	15.6	7.2	0.83				
76	12	629.7	-622.9	6.541	35.103	35.110	5.304	19.0	10.5	0.98			0.17	2.58
76	11	699.2	-691.5	6.192	35.099	35.108	5.37	19.0	10.6	1.08				
76	10	799.1	-790.1	5.297	35.025	35.034	5.563	19.3	11.0	1.17			0.22	3.15
76	9	900.4	-890.1	4.752	35.002	35.006	5.873	18.6	10.7	1.01				
76	8	999.8	-988.1	4.276	34.967	34.976	6.047	18.3	10.8	1.01			0.23	3.86
76	7	1150.7	-1136.8	3.881	34.974	34.983	6.235	17.5	10.5	0.96				
76	6	1198.7	-1184.1	3.853	34.975	34.984	6.243	17.4	10.5	0.99			0.20	3.89
76	5	1248.4	-1233.0	3.839	34.976	34.986	6.243	17.4	10.5	1.04			0.22	3.38
76	4	1302.9	-1286.7	3.826	34.978	34.987	6.253	17.4	10.6	0.98				
76	3	1358.1	-1341.0	3.816	34.977	34.985	6.247	17.3	10.6	0.93			0.26	3.49

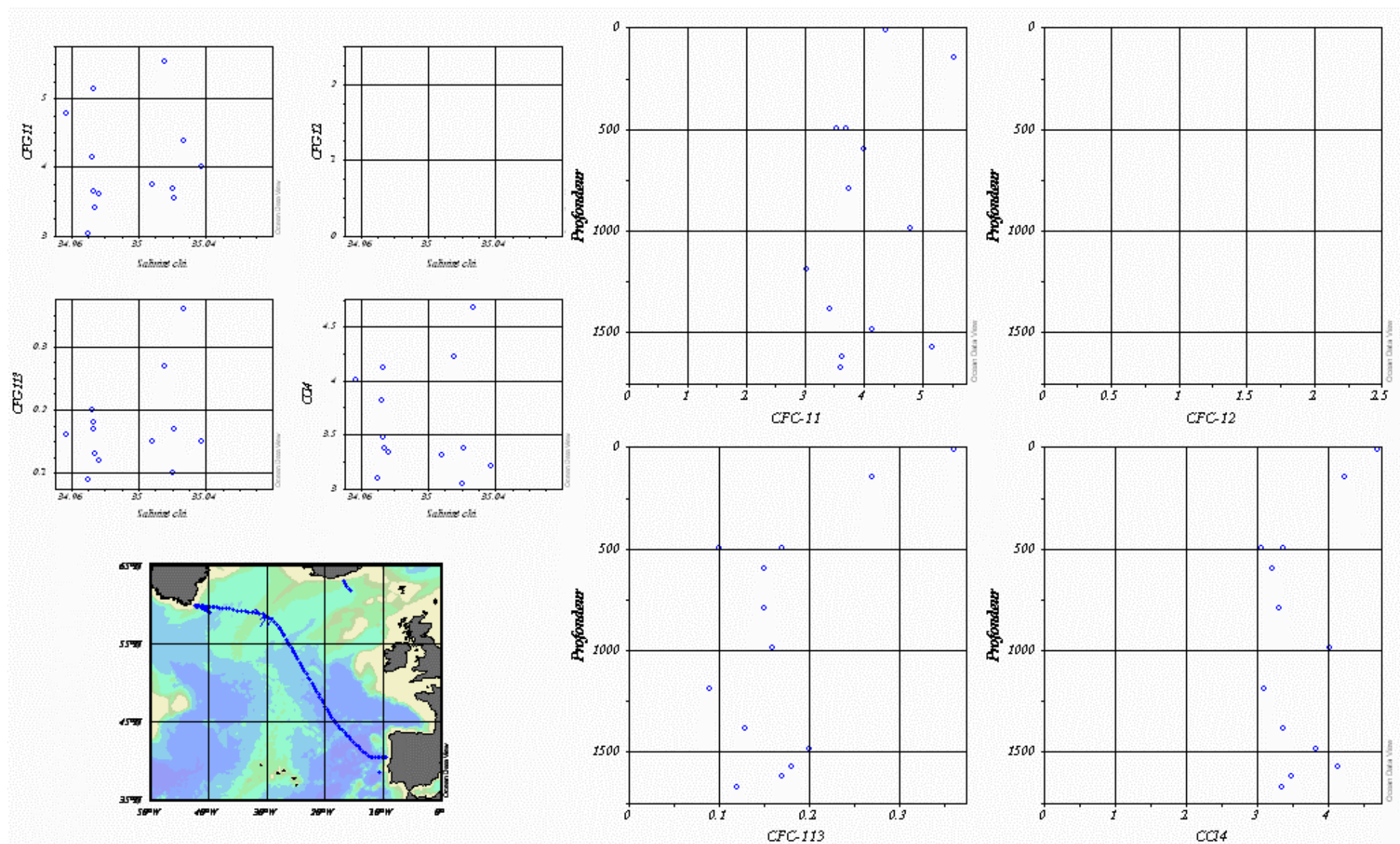




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
77	12/06/2006	16:27:32	58:54:59 N	31:54:60 W	1685m

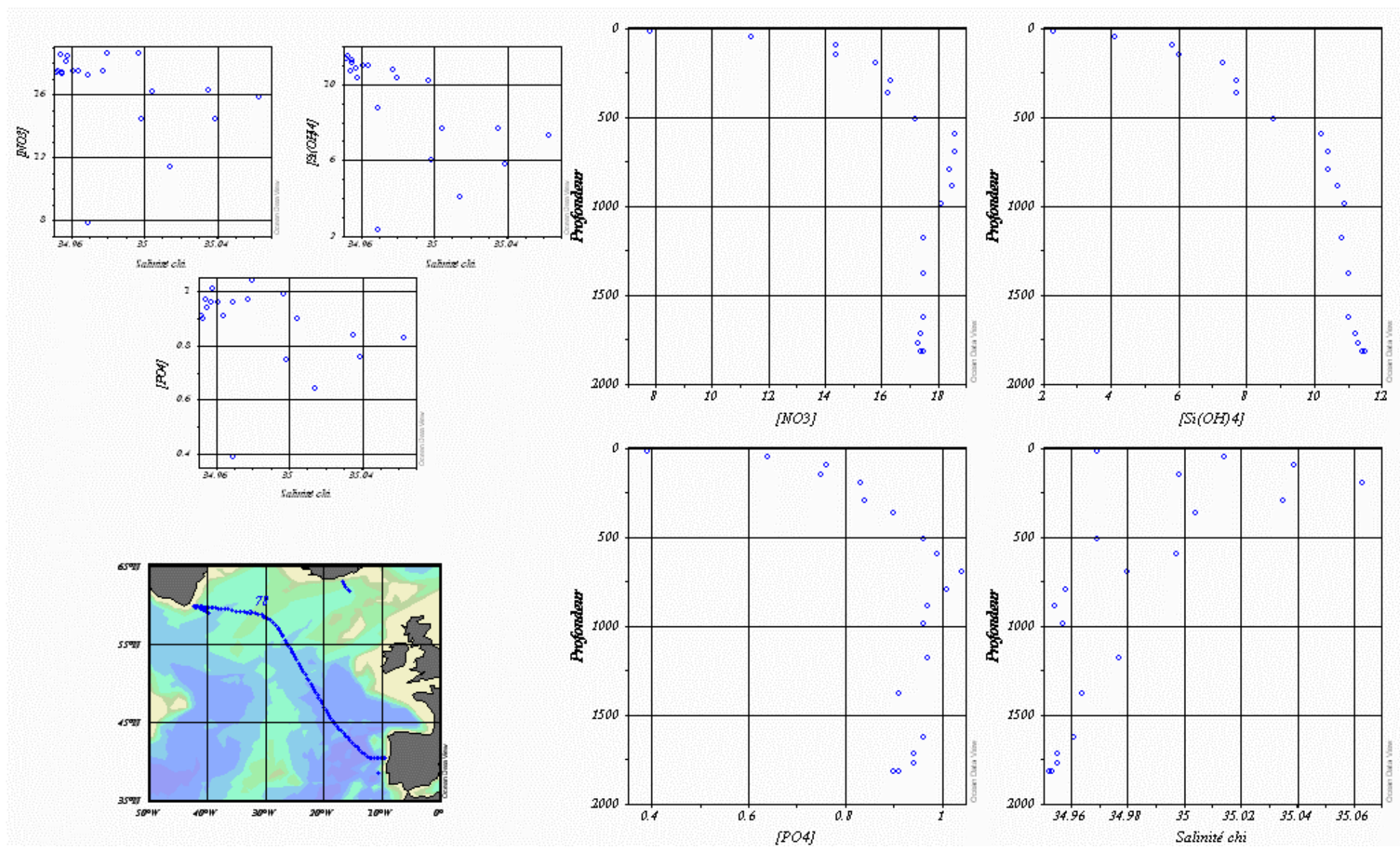
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
77	23	10.5	-10.4	9.206	35.022	35.027	6.736	8.1	2.1	0.48				
77	22	10.9	-10.8	9.206	35.022	35.027	6.744	8.0	2.0	0.48	4.38		0.36	4.68
77	21	48.9	-48.4	9.034	35.045	35.069	6.628	8.9	2.2	0.50				
77	20	99.8	-98.8	7.710	35.030	35.036	6.318	13.6	5.1	0.73				
77	19	148.8	-147.4	7.377	35.014	35.015	6.339	14.3	5.7	0.79	5.54		0.27	4.23
77	18	271.1	-268.4	6.969	35.010	35.008	6.29	15.3	6.9	0.89				
77	16	399.2	-395.1	6.711	35.064	35.072	5.698	17.7	9.0	1.06				
77	15	499.5	-494.2	6.066	35.017	35.020	6.029	17.4	8.9	1.01	3.69		0.10	3.05
77	14	499.0	-493.7	6.071	35.020	35.021	6.011	17.5	9.0	1.05	3.54		0.17	3.37
77	13	598.9	-592.4	5.656	35.029	35.037	5.599	19.0	10.5	1.07	4.01		0.15	3.21
77	12	699.8	-692.1	5.058	35.004	35.010	5.765	18.9	10.7	1.01				
77	11	800.8	-791.8	4.716	34.997	35.008	5.89	18.5	10.7	1.09	3.74		0.15	3.31
77	10	898.8	-888.5	4.216	34.958	34.965	6.079	18.4	10.8	1.07				
77	9	999.0	-987.3	3.981	34.950	34.957	6.17	18.2	10.8	1.03	4.78		0.16	4.01
77	8	1199.9	-1185.3	3.812	34.964	34.970	6.255	17.6	10.8	1.02	3.03		0.09	3.10
77	7	1397.6	-1379.9	3.768	34.966	34.974	6.339	17.5	10.8	1.04	3.41		0.13	3.37
77	6	1500.3	-1481.0	3.740	34.965	34.972	6.263	17.5	10.8	0.98	4.15		0.20	3.82
77	5	1591.9	-1571.0	3.707	34.966	34.973	6.29	17.5	10.9	1.22	5.15		0.18	4.12
77	4	1641.8	-1620.1	3.698	34.967	34.973	6.302	17.4	10.9	1.02	3.64		0.17	3.48
77	3	1694.0	-1671.4	3.694	34.970	34.976	6.301	17.4	11.0	1.02	3.60		0.12	3.34

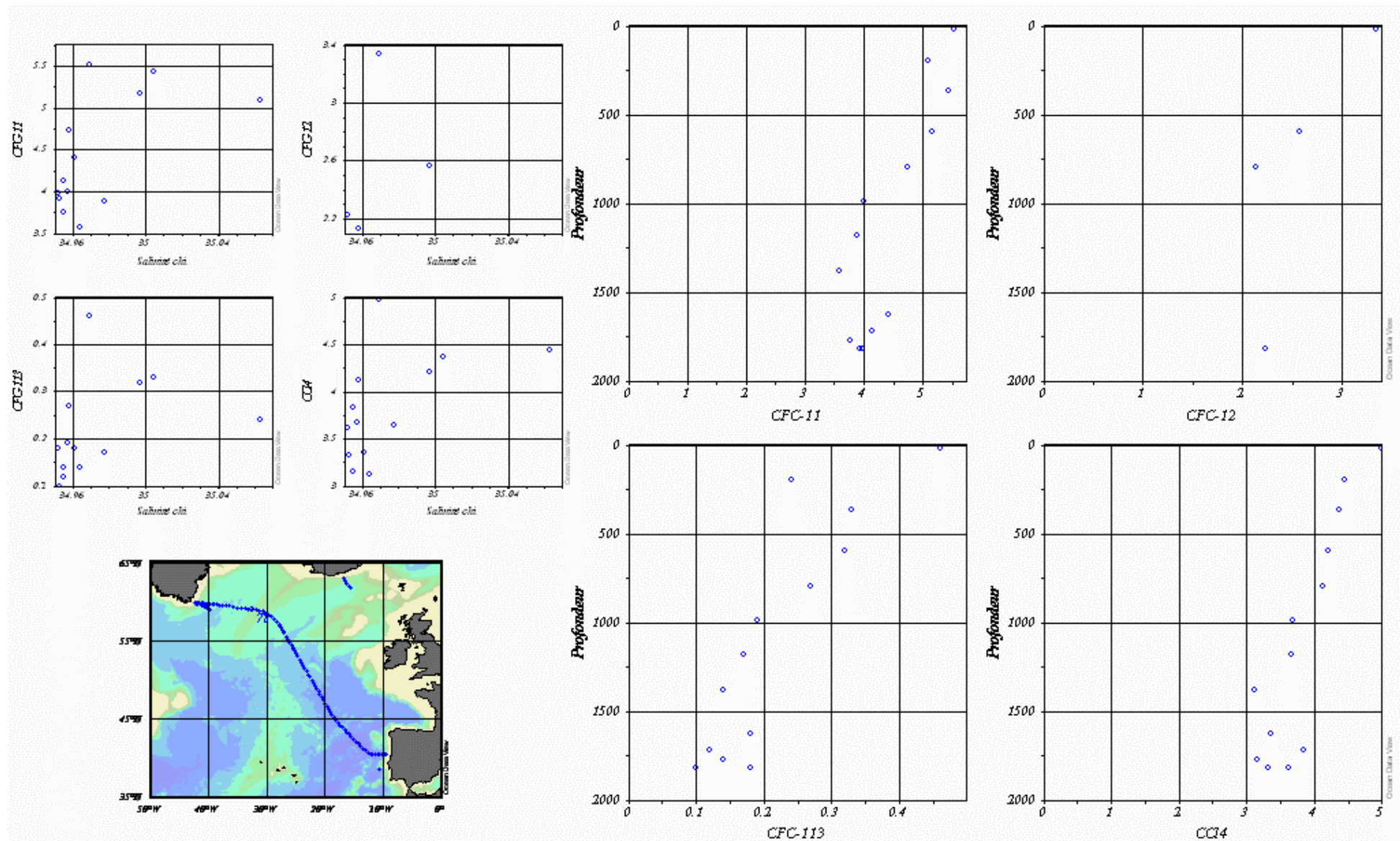




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
78	12/06/2006	20:13:50	58:58:34 N	32:32:93 W	1884m

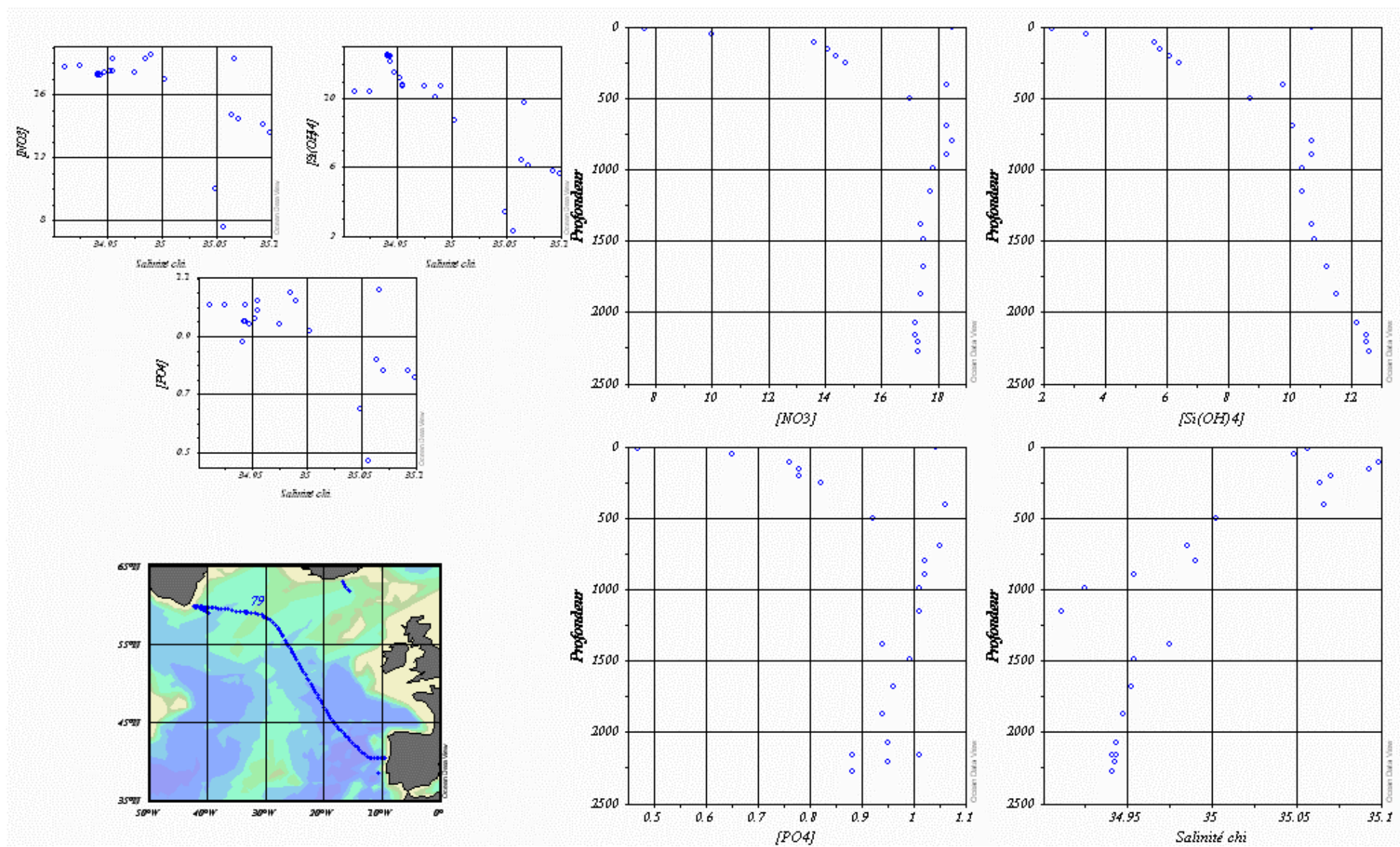
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
78	22	18.5	-18.3	9.170	34.966	34.969	6.774	7.8	2.3	0.39	5.52	3.34	0.46	4.98
78	21	50.7	-50.2	8.028	35.005	35.014	6.523	11.4	4.1	0.64				
78	20	100.9	-99.9	7.500	35.033	35.039	6.282	14.4	5.8	0.76				
78	19	149.3	-147.9	7.119	34.991	34.998	6.429	14.4	6.0	0.75				
78	18	199.4	-197.4	7.285	35.049	35.063	6.057	15.8	7.3	0.83	5.09		0.24	4.44
78	17	298.9	-295.9	6.847	35.043	35.035	6.124	16.3	7.7	0.84				
78	16	370.5	-366.7	6.271	34.999	35.004	6.341	16.2	7.7	0.90	5.43		0.33	4.37
78	15	520.8	-515.3	5.508	34.964	34.969	6.294	17.2	8.8	0.96				
78	14	600.2	-593.7	5.368	34.995	34.997	5.827	18.6	10.2	0.99	5.17	2.57	0.32	4.21
78	13	700.7	-693.0	4.795	34.974	34.980	5.946	18.6	10.4	1.04				
78	12	801.4	-792.4	4.459	34.953	34.958	6.088	18.4	10.4	1.01	4.73	2.13	0.27	4.13
78	11	900.0	-889.7	4.166	34.948	34.954	6.103	18.5	10.7	0.97				
78	10	999.7	-988.0	3.978	34.956	34.957	6.187	18.1	10.9	0.96	4.00		0.19	3.68
78	9	1199.0	-1184.4	3.775	34.972	34.977	6.262	17.5	10.8	0.97	3.89		0.17	3.65
78	8	1400.5	-1382.8	3.607	34.958	34.964	6.317	17.5	11.0	0.91	3.58		0.14	3.12
78	7	1645.0	-1623.2	3.539	34.955	34.961	6.324	17.5	11.0	0.96	4.41		0.18	3.36
78	6	1745.3	-1721.8	3.443	34.951	34.955	6.352	17.4	11.2	0.94	4.13		0.12	3.84
78	5	1794.9	-1770.5	3.409	34.950	34.955	6.355	17.3	11.3	0.94	3.76		0.14	3.15
78	4	1844.2	-1818.9	3.379	34.949	34.952	6.354	17.4	11.4	0.91	3.98	2.23	0.18	3.61
78	3	1844.1	-1818.8	3.380	34.948	34.953	6.381	17.5	11.5	0.90	3.92		0.10	3.32

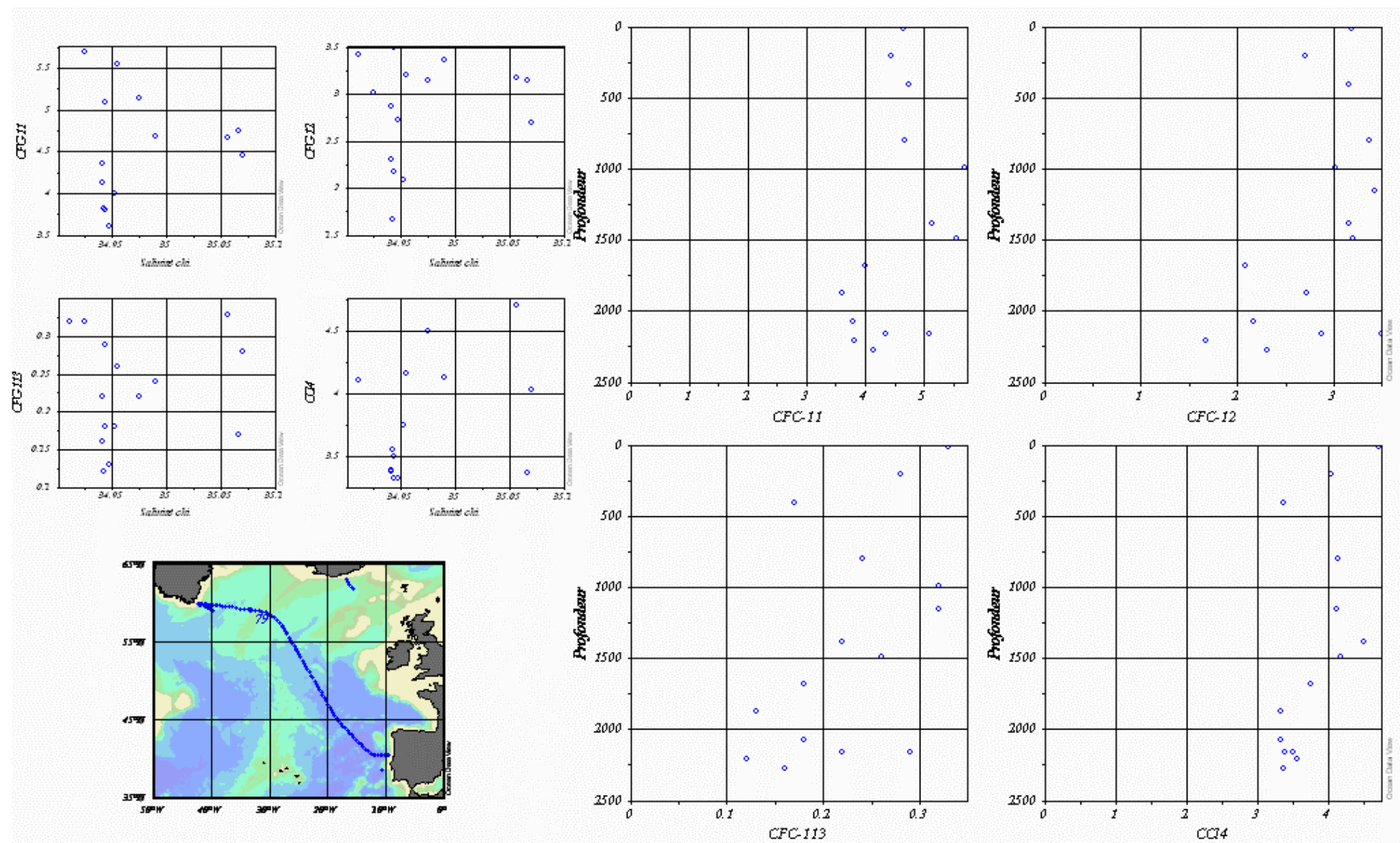




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
79	13/06/2006	00:09:42	59:02:34 N	33:11:57 W	2282m

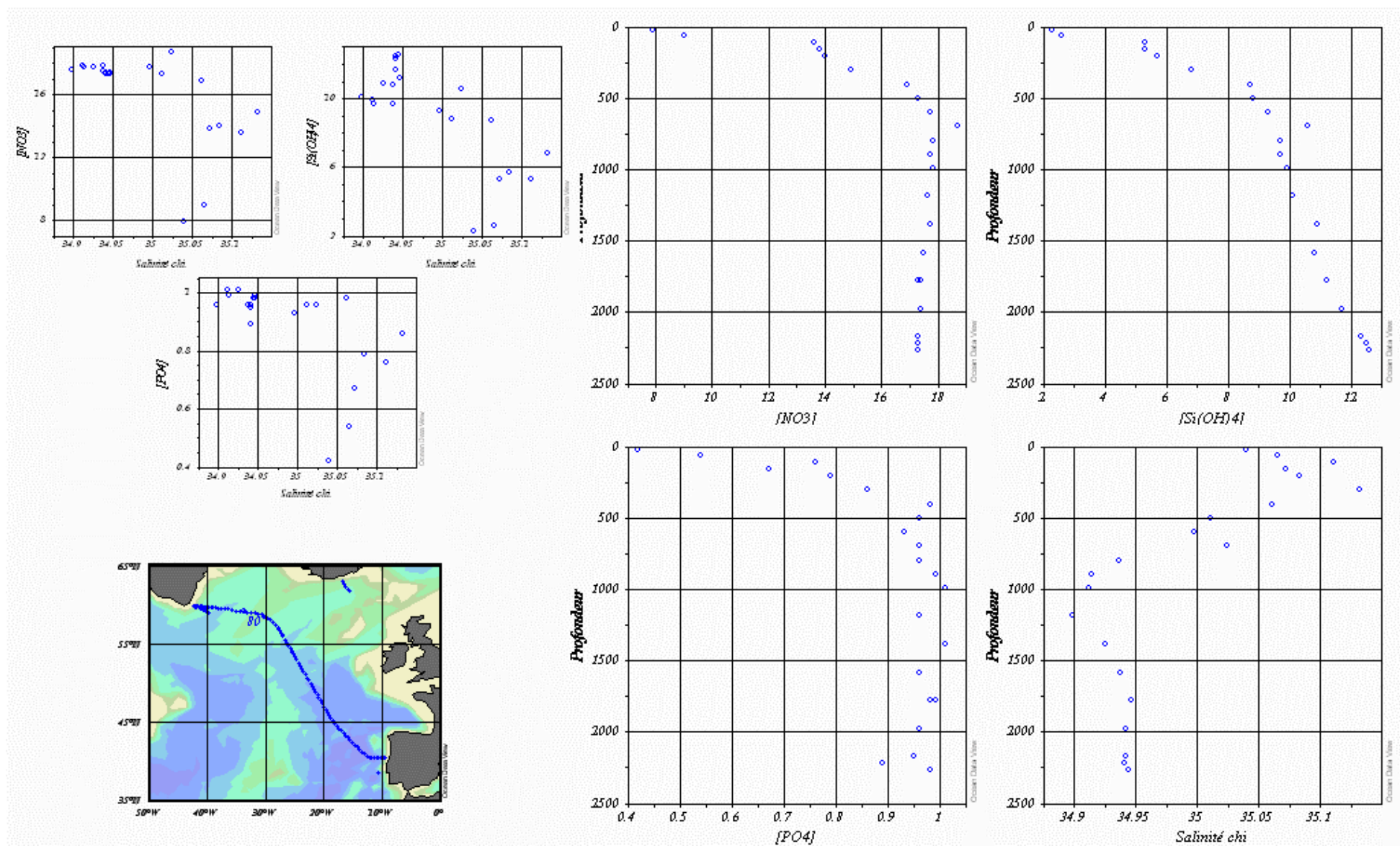
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
79	27	9.7	-9.6	9.115	35.049	35.056	6.76	7.6	2.3	0.47	4.66	3.18	0.33	4.70
79	26	47.6	-47.1	8.478	35.041	35.048	6.496	10.0	3.4	0.65				
79	25	99.4	-98.4	8.018	35.088	35.098	6.352	13.6	5.6	0.76				
79	24	150.1	-148.6	7.825	35.085	35.092	6.197	14.1	5.8	0.78				
79	23	199.7	-197.7	7.533	35.060	35.070	6.242	14.4	6.1	0.78	4.45	2.70	0.28	4.03
79	22	250.0	-247.5	7.353	35.055	35.063	6.218	14.7	6.4	0.82				
79	21	399.7	-395.6	6.795	35.059	35.066	5.431	18.3	9.8	1.06	4.74	3.15	0.17	3.36
79	20	500.6	-495.3	5.984	34.992	35.002	6.116	17.0	8.7	0.92				
79	19													
79	18													
79	17							18.5	10.7	1.04				
79	16	696.1	-688.4	5.084	34.979	34.985	5.963	18.3	10.1	1.05				
79	15	801.2	-792.2	4.791	34.983	34.990	5.86	18.5	10.7	1.02	4.68	3.36	0.24	4.12
79	14	900.1	-889.8	4.304	34.947	34.954	6.066	18.3	10.7	1.02				
79	13	998.7	-987.0	3.902	34.918	34.925	6.293	17.8	10.4	1.01	5.70	3.01	0.32	
79	12	1161.7	-1147.6	3.628	34.905	34.911	6.397	17.7	10.4	1.01		3.42	0.32	4.10
79	11	1399.4	-1381.7	3.736	34.966	34.975	6.271	17.4	10.7	0.94	5.14	3.15	0.22	4.50
79	10	1502.1	-1482.7	3.553	34.948	34.954	6.328	17.5	10.8	0.99	5.55	3.20	0.26	4.16
79	9	1698.4	-1675.7	3.399	34.945	34.952	6.371	17.5	11.2	0.96	4.00	2.08	0.18	3.74
79	8	1899.0	-1872.7	3.252	34.941	34.947	6.381	17.4	11.5	0.94	3.60	2.72	0.13	3.32
79	7	2100.2	-2070.2	3.074	34.938	34.943	6.38	17.2	12.2	0.95	3.80	2.17	0.18	3.32
79	6	2194.9	-2163.0	3.012	34.936	34.943	6.38	17.2	12.5	1.01	5.09	3.49	0.29	3.49
79	5	2192.9	-2161.1	3.013	34.935	34.941	6.389	17.2	12.5	0.88	4.35	2.87	0.22	3.39
79	4	2238.6	-2205.9	2.985	34.936	34.942	6.397	17.3	12.5	0.95	3.82	1.67	0.12	3.55
79	3	2305.6	-2271.5	2.963	34.935	34.941	6.391	17.3	12.6	0.88	4.13	2.31	0.16	3.37

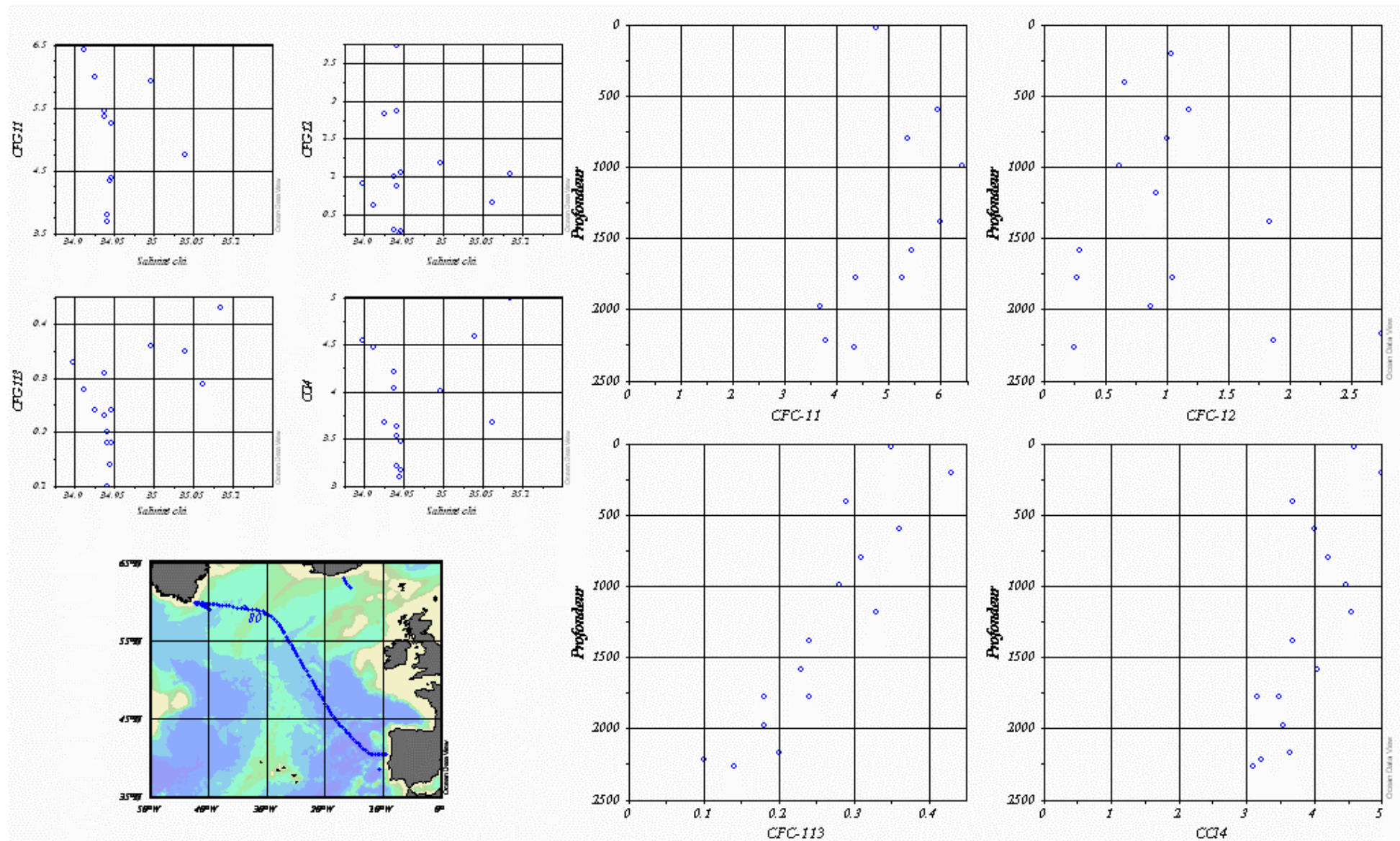




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
80	13/06/2006	04:42:42	59:06:18 N	33:49:86 W	2284m

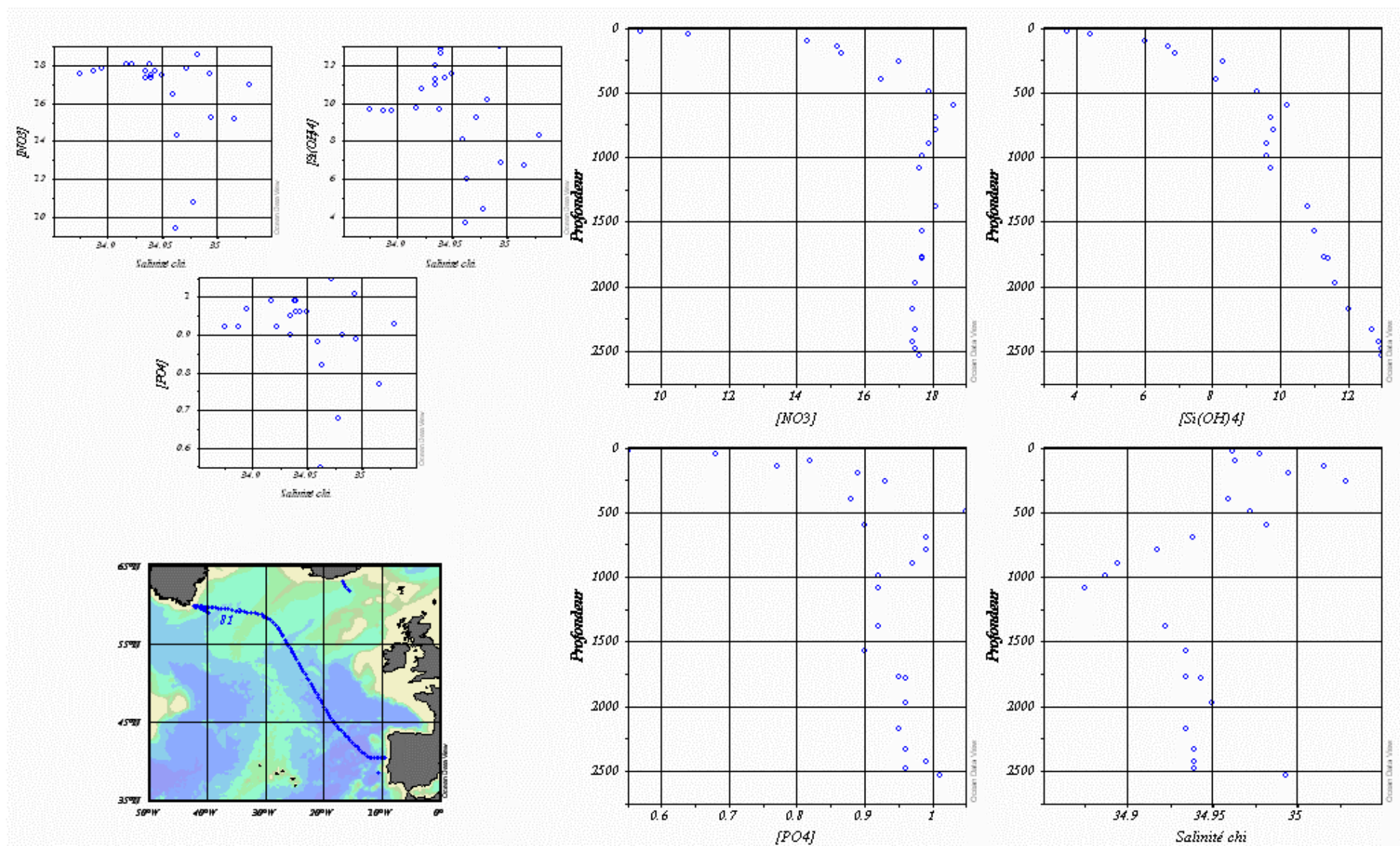
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
80	24	16.4	-16.2	9.010	35.034	35.040	6.744	7.9	2.3	0.42	4.75		0.35	4.58
80	23	50.0	-49.5	8.776	35.053	35.065	6.65	9.0	2.6	0.54				
80	22	98.5	-97.6	8.011	35.105	35.111	6.247	13.6	5.3	0.76				
80	21	149.8	-148.3	7.629	35.071	35.072	6.367	13.8	5.3	0.67				
80	20	200.4	-198.4	7.552	35.076	35.083	6.372	14.0	5.7	0.79		1.04	0.43	5.00
80	19	297.7	-294.7	7.579	35.127	35.132	6.173	14.9	6.8	0.86				
80	18	401.1	-397.0	6.791	35.058	35.061	5.776	16.9	8.7	0.98		0.66	0.29	3.68
80	17	499.3	-494.0	6.010	35.007	35.011	6.094	17.3	8.8	0.96				
80	16	598.2	-591.7	5.595	34.990	34.997	6.008	17.7	9.3	0.93	5.93	1.18	0.36	4.01
80	15	695.5	-687.8	5.259	35.017	35.024	5.721	18.7	10.6	0.96				
80	14	801.1	-792.1	4.394	34.931	34.937	6.315	17.8	9.7	0.96	5.35	1.00	0.31	4.21
80	13	897.5	-887.2	4.045	34.906	34.914	6.419	17.7	9.7	0.99				
80	12	997.9	-986.2	3.918	34.905	34.912	6.406	17.8	9.9	1.01	6.42	0.62	0.28	4.47
80	11	1197.1	-1182.5	3.536	34.887	34.899	6.483	17.6	10.1	0.96		0.91	0.33	4.55
80	10	1396.2	-1378.5	3.525	34.919	34.926	6.357	17.7	10.9	1.01	5.98	1.84	0.24	3.68
80	9	1598.9	-1577.9	3.460	34.934	34.938	6.372	17.5	10.8	0.96	5.44	0.29	0.23	4.04
80	8	1798.7	-1774.2	3.329	34.939	34.946	6.397	17.4	11.2	0.99	5.26	1.05	0.24	3.47
80	7	1799.0	-1774.5	3.326	34.940	34.946	6.389	17.3	11.2	0.98	4.37	0.27	0.18	3.16
80	6	1999.6	-1971.5	3.144	34.938	34.942	6.423	17.4	11.7	0.96	3.69	0.87	0.18	3.53
80	5	2202.5	-2170.5	2.988	34.937	34.942	6.414	17.3	12.3	0.95		2.74	0.20	3.63
80	4	2252.1	-2219.1	2.968	34.935	34.941	6.404	17.3	12.5	0.89	3.79	1.87	0.10	3.21
80	3	2303.2	-2269.2	2.949	34.936	34.944	6.401	17.3	12.6	0.98	4.33	0.25	0.14	3.10

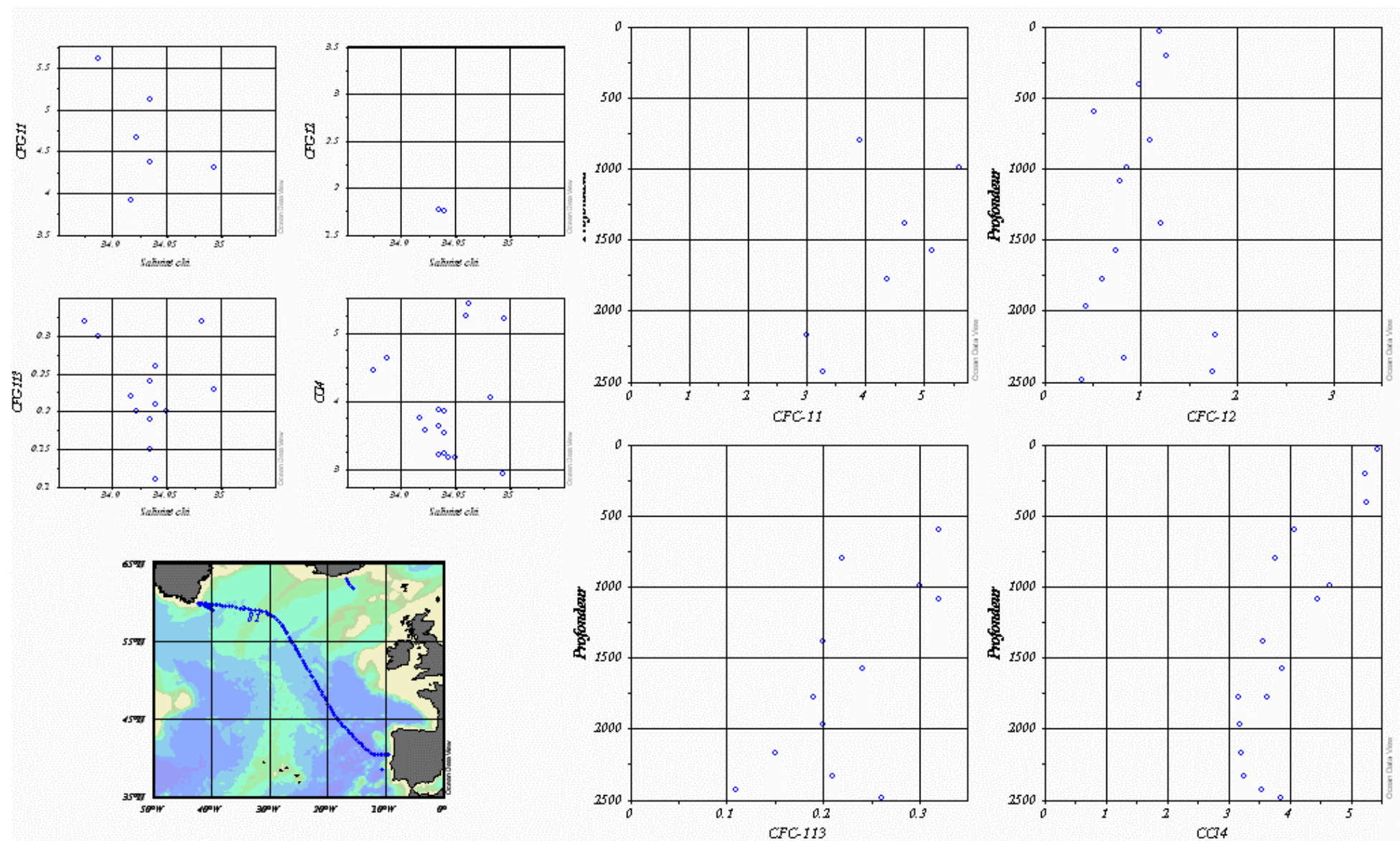




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
81	13/06/2006	09:21:48	59:09:95 N	34:28:72 W	2531m

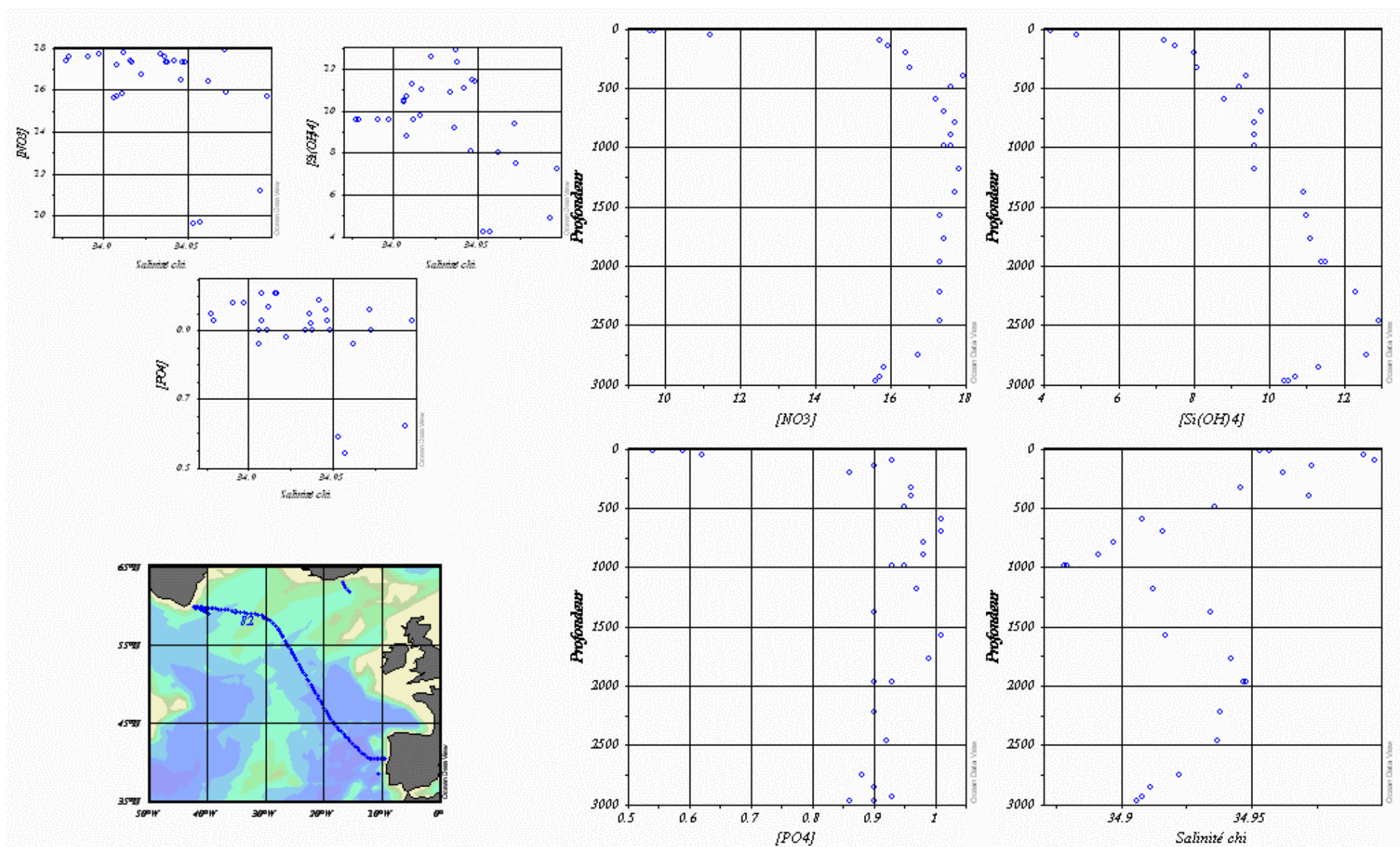
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
81	26	22.9	-22.7	8.213	34.955	34.962	6.852	9.4	3.7	0.55	6.23	1.19	0.45	5.43
81	25	49.6	-49.1	7.869	34.971	34.978	6.705	10.8	4.4	0.68				
81	24	99.9	-98.9	6.789	34.945	34.963	6.526	14.3	6.0	0.82				
81	23	149.3	-147.8	6.865	35.012	35.016	6.322	15.2	6.7	0.77				
81	22	199.5	-197.5	6.532	34.994	34.995	6.431	15.3	6.9	0.89		1.26	0.44	5.22
81	21	258.6	-256.0	6.466	35.024	35.029	6.001	17.0	8.3	0.93				
81	20	402.2	-398.0	5.564	34.955	34.959	6.513	16.5	8.1	0.88		0.98	0.38	5.25
81	19	500.0	-494.7	5.281	34.967	34.972	6.13	17.9	9.3	1.05				
81	18	602.3	-595.8	4.934	34.970	34.982	5.932	18.6	10.2	0.90		0.52	0.32	4.06
81	17	700.4	-692.7	4.454	34.934	34.938	6.31	18.1	9.7	0.99				
81	16	799.3	-790.3	4.129	34.913	34.917	6.389	18.1	9.8	0.99	3.91	1.10	0.22	3.76
81	15	900.7	-890.3	3.834	34.891	34.894	6.507	17.9	9.6	0.97				
81	14	1000.1	-988.4	3.672	34.883	34.887	6.557	17.7	9.6	0.92	5.61	0.85	0.30	4.64
81	13	1099.2	-1086.0	3.531	34.871	34.875	6.641	17.6	9.7	0.92		0.79	0.32	4.45
81	12	1401.9	-1384.1	3.519	34.919	34.922	6.402	18.1	10.8	0.92	4.67	1.20	0.20	3.57
81	11	1596.4	-1575.4	3.441	34.940	34.934	6.375	17.7	11.0	0.90	5.13	0.74	0.24	3.87
81	10	1798.8	-1774.3	3.235	34.932	34.934	6.423	17.7	11.3	0.95	4.37		0.19	3.63
81	9	1802.5	-1778.0	3.234	34.932	34.943	6.41	17.7	11.4	0.96		0.60		3.17
81	8	1997.2	-1969.1	3.151	34.940	34.950	6.399	17.5	11.6	0.96		0.43	0.20	3.18
81	7	2200.3	-2168.3	3.059	34.947	34.934	6.382	17.4	12.0	0.95	3.01	1.77	0.15	3.21
81	6	2371.8	-2336.4	2.904	34.938	34.939	6.401	17.5	12.7	0.96		0.82	0.21	3.24
81	5	2467.5	-2430.1	2.851	34.935	34.939	6.394	17.4	12.9	0.99	3.29	1.75	0.11	3.53
81	4	2523.9	-2485.3	2.850	34.937	34.939	6.397	17.5	13.0	0.96		0.39	0.26	3.85
81	3	2572.8	-2533.2	2.842	34.936	34.993	6.401	17.6	13.0	1.01	4.30	1.21	0.23	2.93

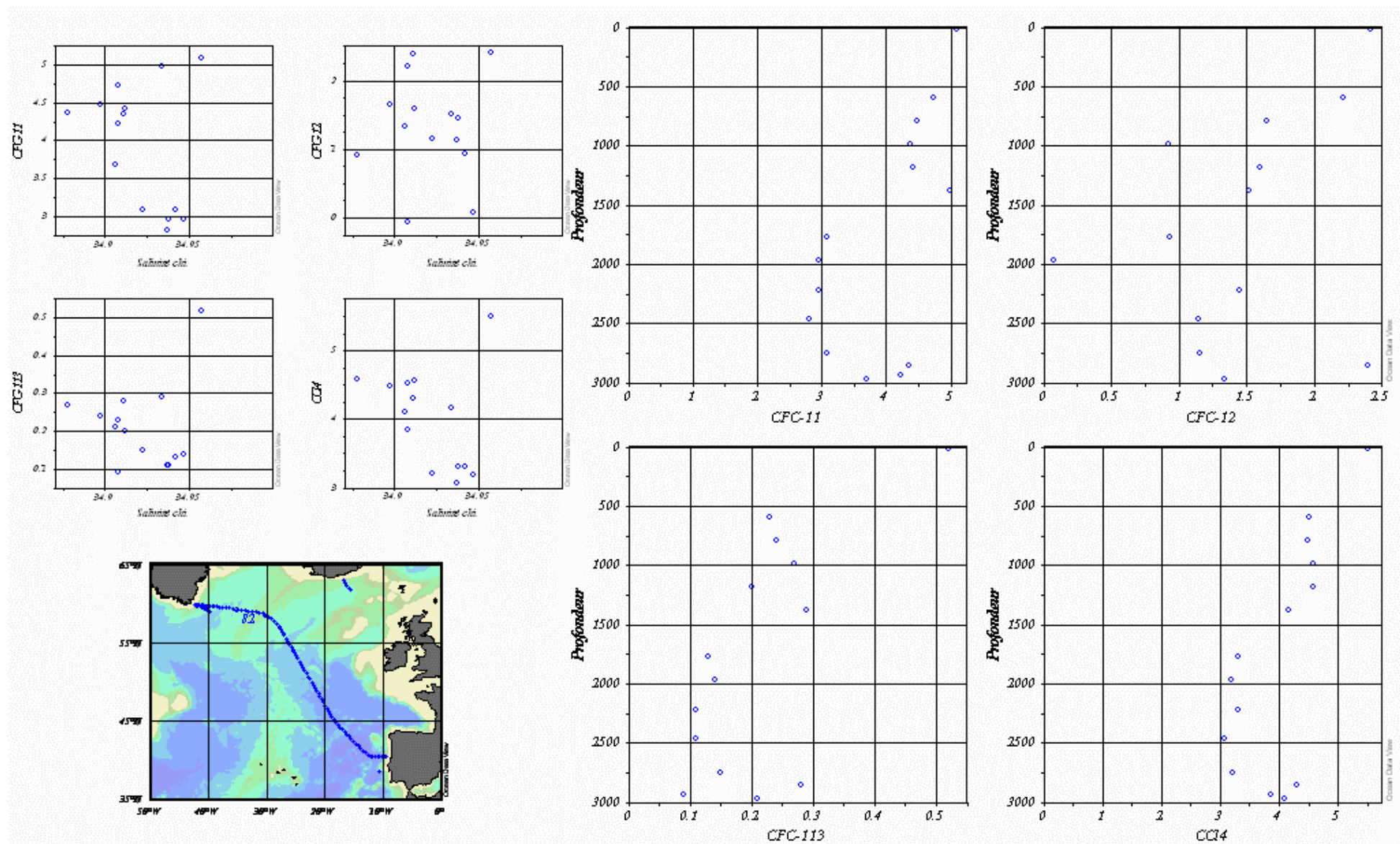




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
82	13/06/2006	14:12:34	59:13:83 N	35:07:26 W	2988m

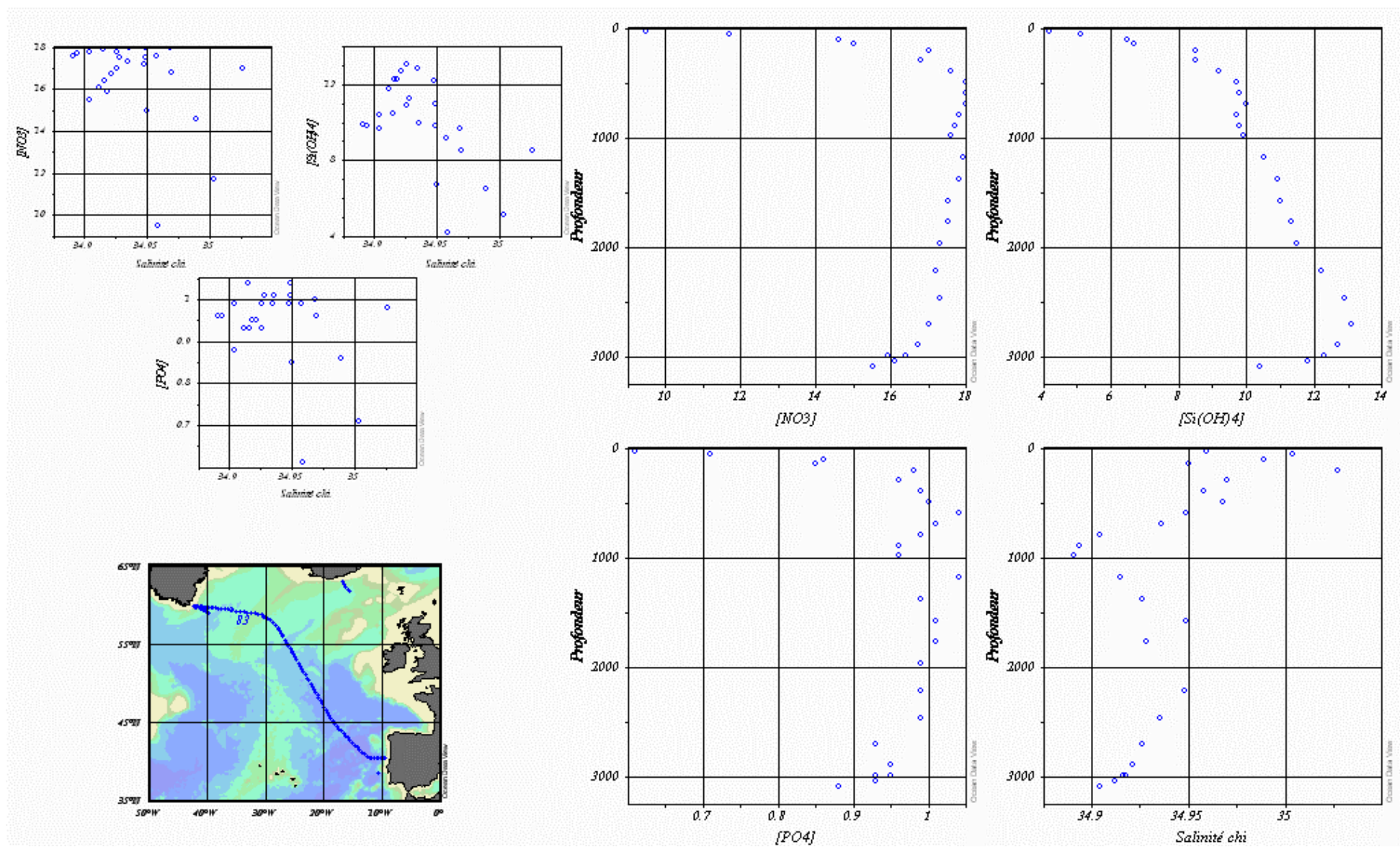
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
82	30	19.7	-19.5	7.985	34.951	34.953	6.932	9.6	4.2	0.59				
82	29	20.0	-19.8	7.986	34.950	34.957	6.923	9.7	4.2	0.54	5.10	2.41	0.52	5.51
82	28	51.0	-50.5	7.690	34.973	34.993	6.83	11.2	4.9	0.62				
82	27	103.2	-102.2	6.346	34.993	34.997	6.386	15.7	7.2	0.93				
82	26	149.0	-147.6	5.910	34.973	34.973	6.511	15.9	7.5	0.90				
82	25	198.2	-196.2	5.634	34.958	34.962	6.474	16.4	8.0	0.86				
82	24	329.8	-326.5	5.142	34.943	34.946	6.658	16.5	8.1	0.96				
82	23	403.8	-399.6	5.041	34.969	34.972	6.166	17.9	9.4	0.96				
82	22	497.0	-491.8	4.559	34.936	34.936	6.411	17.6	9.2	0.95				
82	21	600.6	-594.1	4.185	34.908	34.908	6.663	17.2	8.8	1.01	4.74	2.21	0.23	4.52
82	20	701.4	-693.7	4.055	34.914	34.916	6.399	17.4	9.8	1.01				
82	19	804.8	-795.7	3.801	34.895	34.897	6.502	17.7	9.6	0.98	4.48	1.65	0.24	4.48
82	18	899.0	-888.7	3.686	34.892	34.891	6.555	17.6	9.6	0.98				
82	17	999.6	-987.9	3.514	34.877	34.879	6.65	17.6	9.6	0.93				
82	16	998.9	-987.2	3.515	34.877	34.878	6.638	17.4	9.6	0.95	4.38	0.92	0.27	4.59
82	15	1199.8	-1185.1	3.541	34.911	34.912	6.414	17.8	9.6	0.97	4.42	1.60	0.20	4.57
82	14	1400.8	-1383.0	3.496	34.934	34.934	6.512	17.7	10.9	0.90	4.98	1.52	0.29	4.16
82	13	1599.1	-1578.1	3.254	34.916	34.917	6.462	17.3	11.0	1.01				
82	12	1797.4	-1772.9	3.237	34.938	34.942	6.45	17.4	11.1	0.99	3.09	0.93	0.13	3.30
82	11	1995.6	-1967.5	3.154	34.946	34.948	6.408	17.3	11.4	0.90				
82	10	1998.0	-1969.9	3.151	34.946	34.947	6.411	17.3	11.5	0.93	2.96	0.08	0.14	3.19
82	9	2250.0	-2217.0	2.946	34.937	34.938	6.413	17.3	12.3	0.90	2.95	1.45	0.11	3.30
82	8	2502.1	-2464.0	2.784	34.937	34.937	6.435	17.3	12.9	0.92	2.81	1.14	0.11	3.07
82	7	2795.9	-2751.4	2.442	34.922	34.922	6.499	16.7	12.6	0.88	3.08	1.15	0.15	3.21
82	6	2898.1	-2851.3	2.136	34.909	34.911	6.64	15.8	11.3	0.90	4.35	2.39	0.28	4.30
82	5	2986.0	-2937.2	1.981	34.906	34.908	6.698	15.7	10.7	0.93	4.22	-0.07	0.09	3.85
82	4	3021.8	-2972.2	1.963	34.904	34.906	6.704	15.6	10.5	0.86				
82	3	3019.8	-2970.2	1.964	34.904	34.906	6.721	15.6	10.4	0.90	3.69	1.34	0.21	4.10

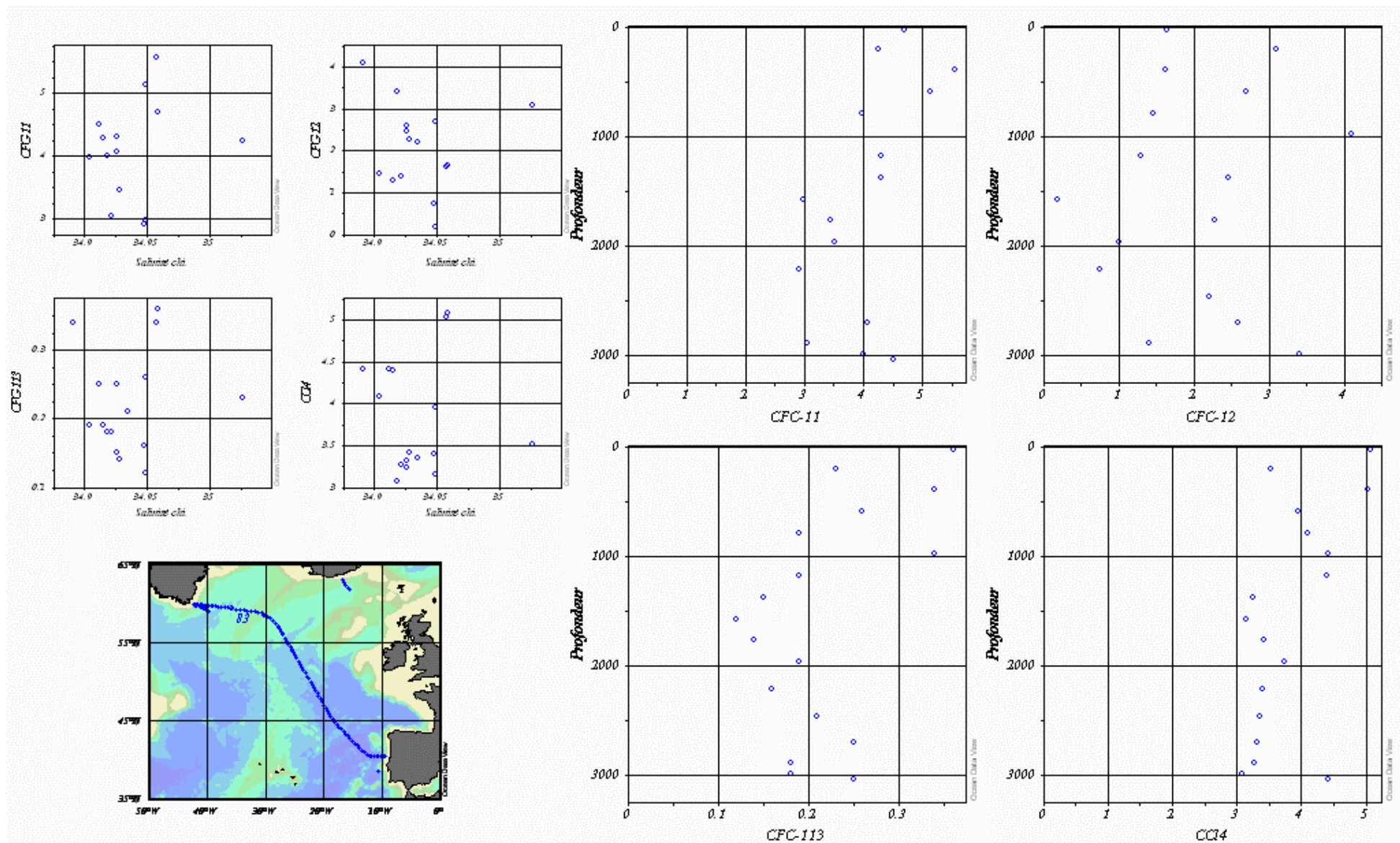




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
83	13/06/2006	19:06:59	59:17:96 N	35:45:74 W	3104m

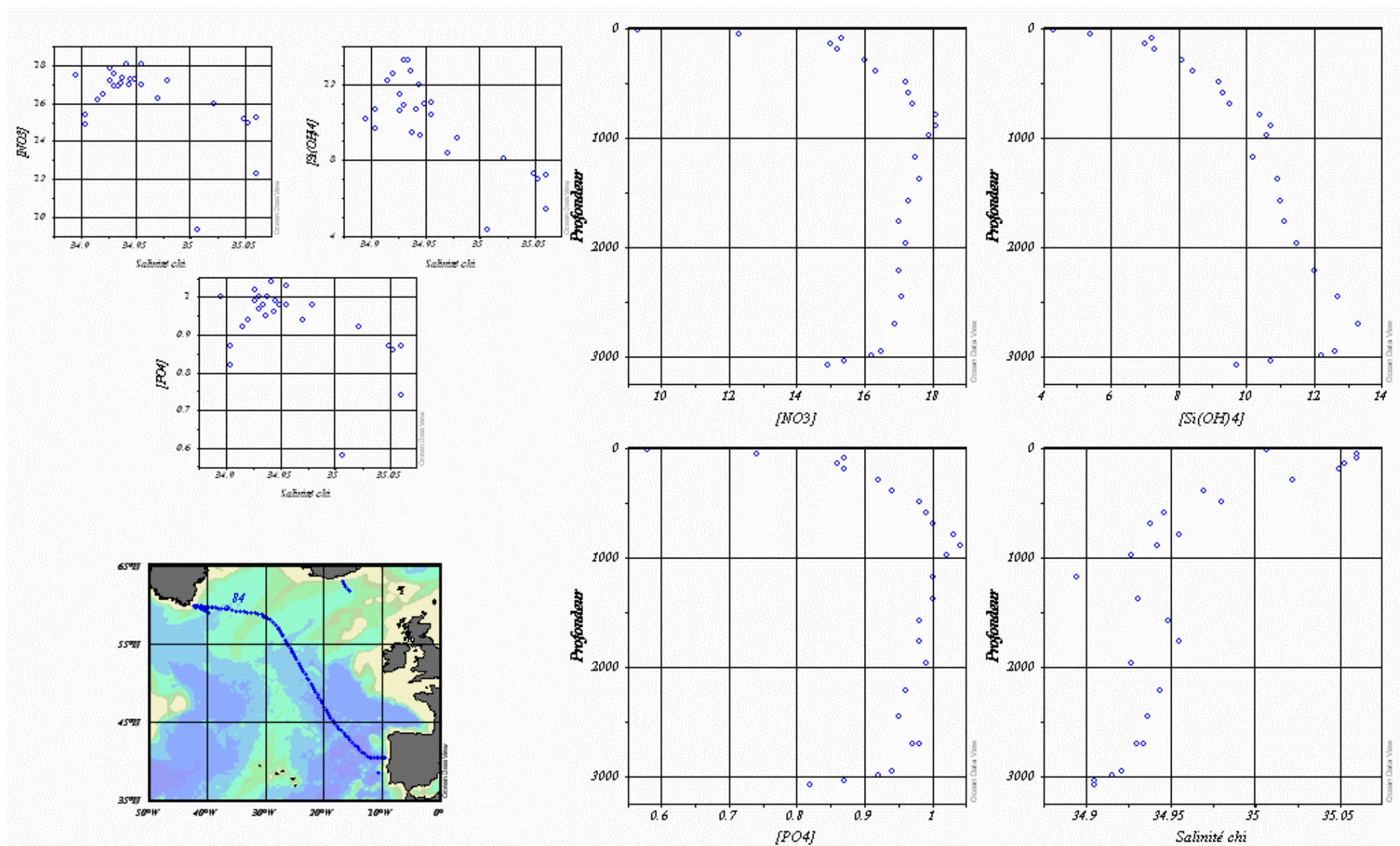
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
83	28	25.4	-25.2	8.126	34.957	34.959	6.927	9.5	4.2	0.61	4.70	1.64	0.36	5.08
83	27	51.3	-50.8	7.534	35.002	35.004	6.687	11.7	5.1	0.71				
83	26	102.0	-101.0	6.810	34.984	34.989	6.47	14.6	6.5	0.86				
83	25	151.2	-149.7	6.213	34.945	34.950	6.626	15.0	6.7	0.85				
83	24	202.4	-200.4	6.467	35.026	35.027	5.996	17.0	8.5	0.98	4.25	3.09	0.23	3.52
83	23	298.8	-295.8	5.722	34.972	34.970	6.337	16.8	8.5	0.96				
83	22	401.1	-397.0	5.224	34.953	34.958	6.211	17.6	9.2	0.99	5.56	1.62	0.34	5.03
83	21	500.3	-495.0	5.031	34.968	34.968	6.091	18.0	9.7	1.00				
83	20	599.0	-592.5	4.619	34.948	34.949	6.223	18.0	9.8	1.04	5.13	2.70	0.26	3.95
83	19	700.5	-692.8	4.299	34.934	34.936	6.276	18.0	10.0	1.01				
83	18	799.6	-790.6	3.944	34.901	34.904	6.45	17.8	9.7	0.99	3.98	1.46	0.19	4.09
83	17	899.6	-889.2	3.762	34.899	34.894	6.491	17.7	9.8	0.96				
83	16	998.5	-986.8	3.636	34.891	34.891	6.524	17.6	9.9	0.96		4.09	0.34	4.41
83	15	1198.5	-1183.9	3.594	34.914	34.915	6.381	17.9	10.5	1.04	4.29	1.30	0.19	4.40
83	14	1400.1	-1382.3	3.478	34.928	34.926	6.356	17.8	10.9	0.99	4.30	2.45	0.15	3.24
83	13	1597.9	-1576.9	3.421	34.947	34.949	6.367	17.5	11.0	1.01	2.97	0.19	0.12	3.15
83	12	1798.0	-1773.5	3.165	34.927	34.928	6.425	17.5	11.3	1.01	3.45	2.27	0.14	3.42
83	11	2000.3	-1972.1	3.130	34.942		6.413	17.3	11.5	0.99	3.51	1.00	0.19	3.74
83	10	2249.4	-2216.4	2.982	34.943	34.948	6.39	17.2	12.2	0.99	2.92	0.75	0.16	3.40
83	9	2502.3	-2464.2	2.796	34.934	34.935	6.407	17.3	12.9	0.99		2.21	0.21	3.35
83	8	2748.4	-2705.0	2.554	34.926	34.926	6.455	17.0	13.1	0.93	4.07	2.58	0.25	3.31
83	7	2942.0	-2894.2	2.419	34.923	34.921	6.51	16.7	12.7	0.95	3.04	1.40	0.18	3.27
83	6	3043.5	-2993.4	2.345	34.918	34.916	6.562	16.4	12.3	0.93				
83	5	3041.9	-2991.8	2.342	34.918	34.918	6.557	15.9	12.3	0.95	4.01	3.40	0.18	3.08
83	4	3095.5	-3044.1	2.162	34.912	34.912	6.621	16.1	11.8	0.93	4.51		0.25	4.41
83	3	3144.4	-3091.9	1.897	34.906	34.904	6.746	15.5	10.4	0.88				

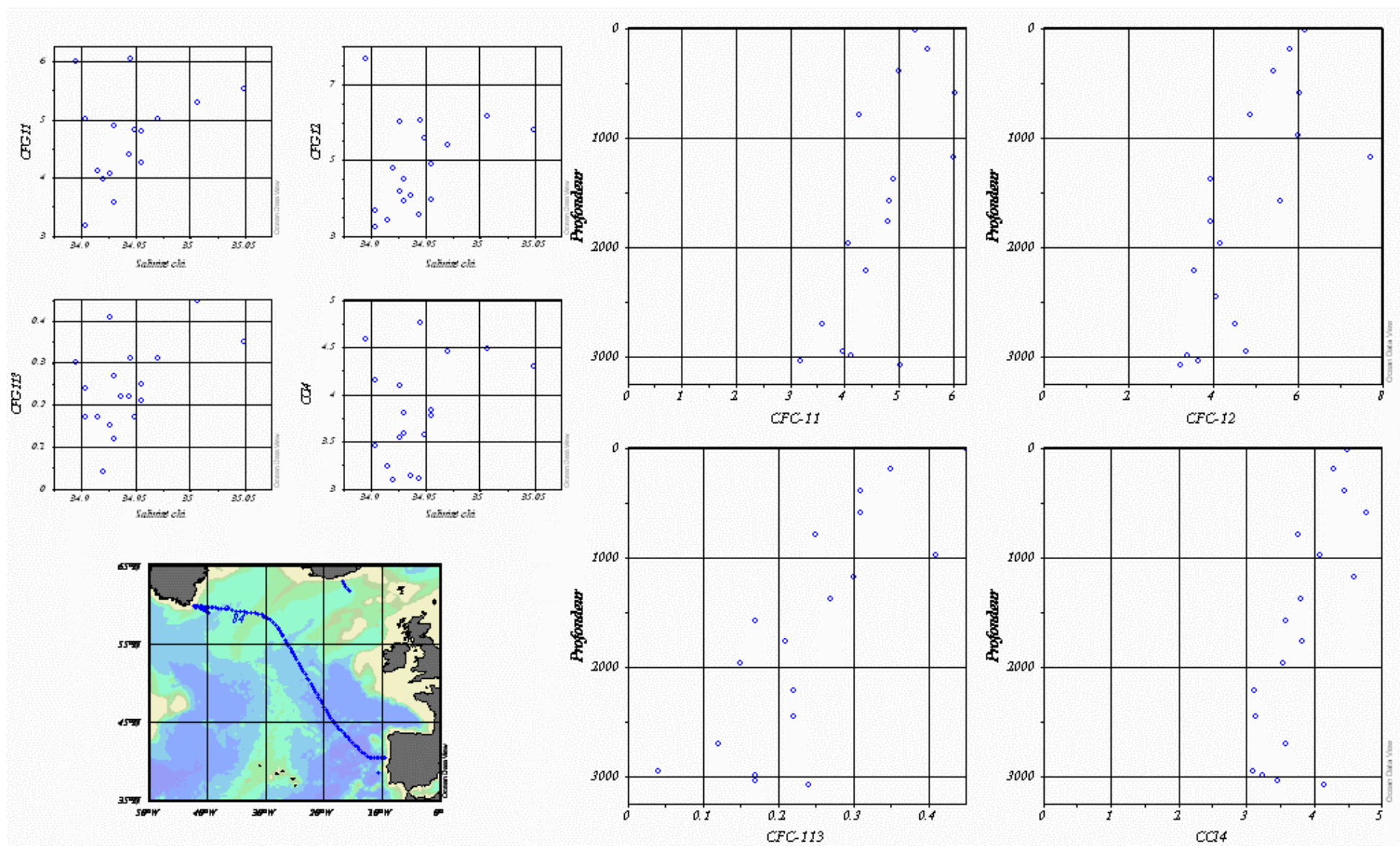




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
84	14/06/2006	00:29:25	59:21:83 N	36:23:67 W	3097m

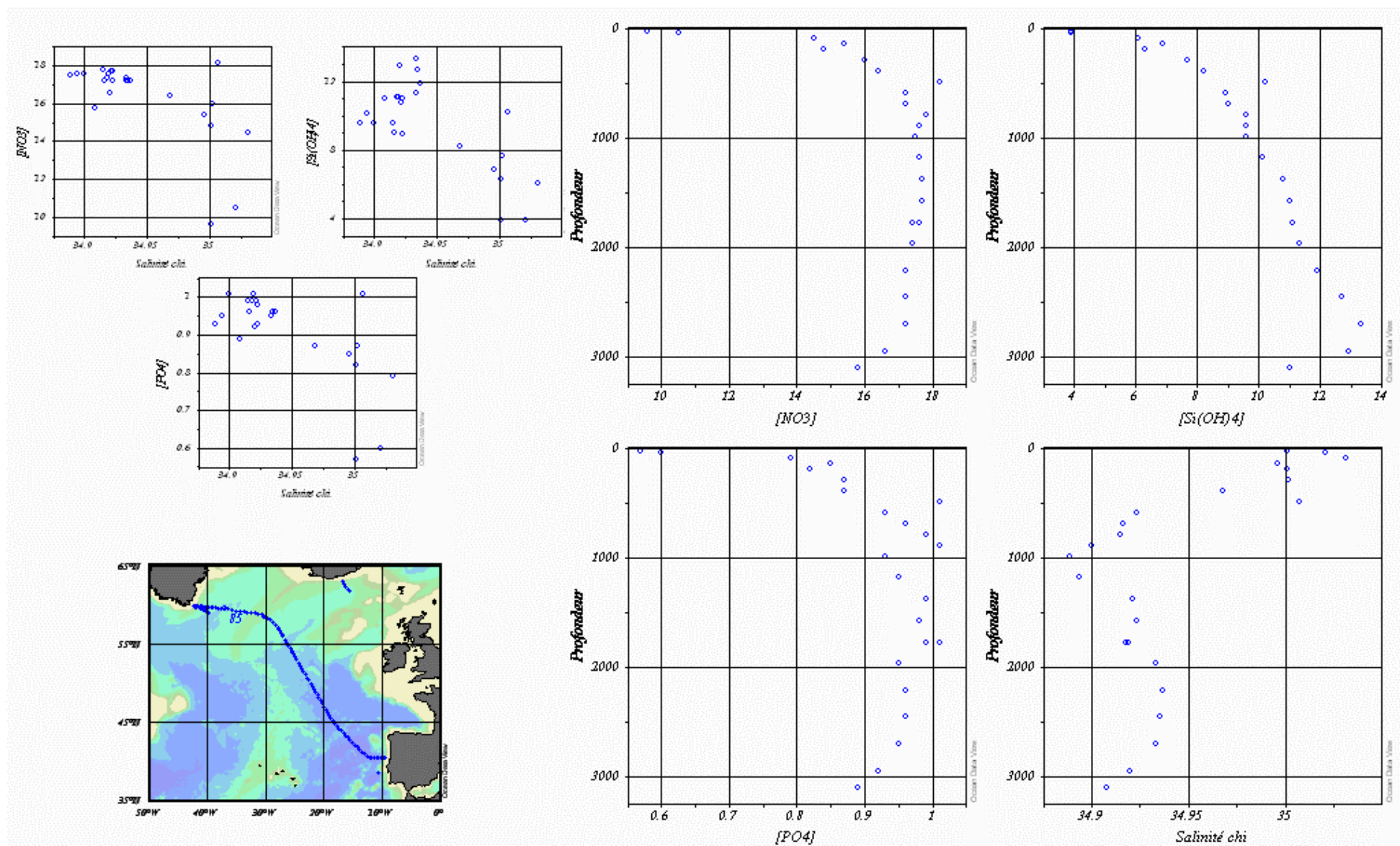
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
84	28	17.5	-17.3	8.270	35.001	35.007	6.846	9.3	4.3	0.58	5.30	6.18	0.45	4.49
84	27	51.5	-51.0	7.654	35.053	35.060	6.516	12.3	5.4	0.74				
84	26	100.8	-99.8	7.009	35.054	35.060	6.161	15.3	7.2	0.87				
84	25	150.6	-149.1	6.602	35.050	35.053	6.495	15.0	7.0	0.86				
84	24	200.4	-198.4	6.478	35.046	35.050	6.493	15.2	7.3	0.87	5.52	5.82	0.35	4.29
84	23	298.3	-295.3	6.084	35.020	35.022	6.367	16.0	8.1	0.92				
84	22	399.0	-394.9	5.427	34.968	34.970	6.487	16.3	8.4	0.94	5.01	5.42	0.31	4.45
84	21	500.2	-494.9	5.174	34.977	34.980	6.262	17.2	9.2	0.98				
84	20	600.9	-594.4	4.707	34.945	34.946	6.382	17.3	9.3	0.99	6.04	6.06	0.31	4.76
84	19	699.2	-691.5	4.477	34.938	34.938	6.395	17.4	9.5	1.00				
84	18	799.0	-790.0	4.402	34.955	34.955	6.095	18.1	10.4	1.03	4.27	4.90	0.25	3.77
84	17	899.2	-888.8	4.145	34.938	34.942	6.129	18.1	10.7	1.04				
84	16	998.7	-987.0	3.921	34.926	34.927	6.254	17.9	10.6	1.02		6.02	0.41	4.09
84	15	1199.9	-1185.2	3.536	34.894	34.895	6.477	17.5	10.2	1.00	6.01	7.71	0.30	4.58
84	14	1399.7	-1381.9	3.544	34.930	34.931	6.339	17.6	10.9	1.00	4.90	3.94	0.27	3.81
84	13	1599.1	-1578.1	3.472	34.945	34.949	6.353	17.3	11.0	0.98	4.83	5.59	0.17	3.57
84	12	1797.4	-1772.9	3.372	34.954	34.955	6.38	17.0	11.1	0.98	4.81	3.95	0.21	3.83
84	11	1998.0	-1969.9	3.084	34.925	34.927	6.445	17.2	11.5	0.99	4.06	4.18	0.15	3.54
84	10	2249.2	-2216.2	3.034	34.943	34.944	6.395	17.0	12.0	0.96	4.39	3.55	0.22	3.11
84	9	2499.9	-2461.8	2.840	34.935	34.937	6.403	17.1	12.7	0.95		4.08	0.22	3.14
84	8	2752.1	-2708.6	2.670	34.932	34.930	6.42	16.9	13.3	0.97	3.58	4.52	0.12	3.58
84	7	2749.4	-2705.9	2.668	34.933	34.934	6.42	16.9	13.3	0.98				
84	6	2999.8	-2950.7	2.373	34.921	34.921	6.516	16.5	12.6	0.94	3.98	4.80	0.04	3.09
84	5	3037.6	-2987.6	2.272	34.916	34.916	6.567	16.2	12.2	0.92	4.13	3.41	0.17	3.24
84	4	3089.4	-3038.2	1.919	34.907	34.905	6.723	15.4	10.7	0.87	3.18	3.67	0.17	3.46
84	3	3133.6	-3081.3	1.662	34.904	34.905	6.833	14.9	9.7	0.82	5.02	3.23	0.24	4.15

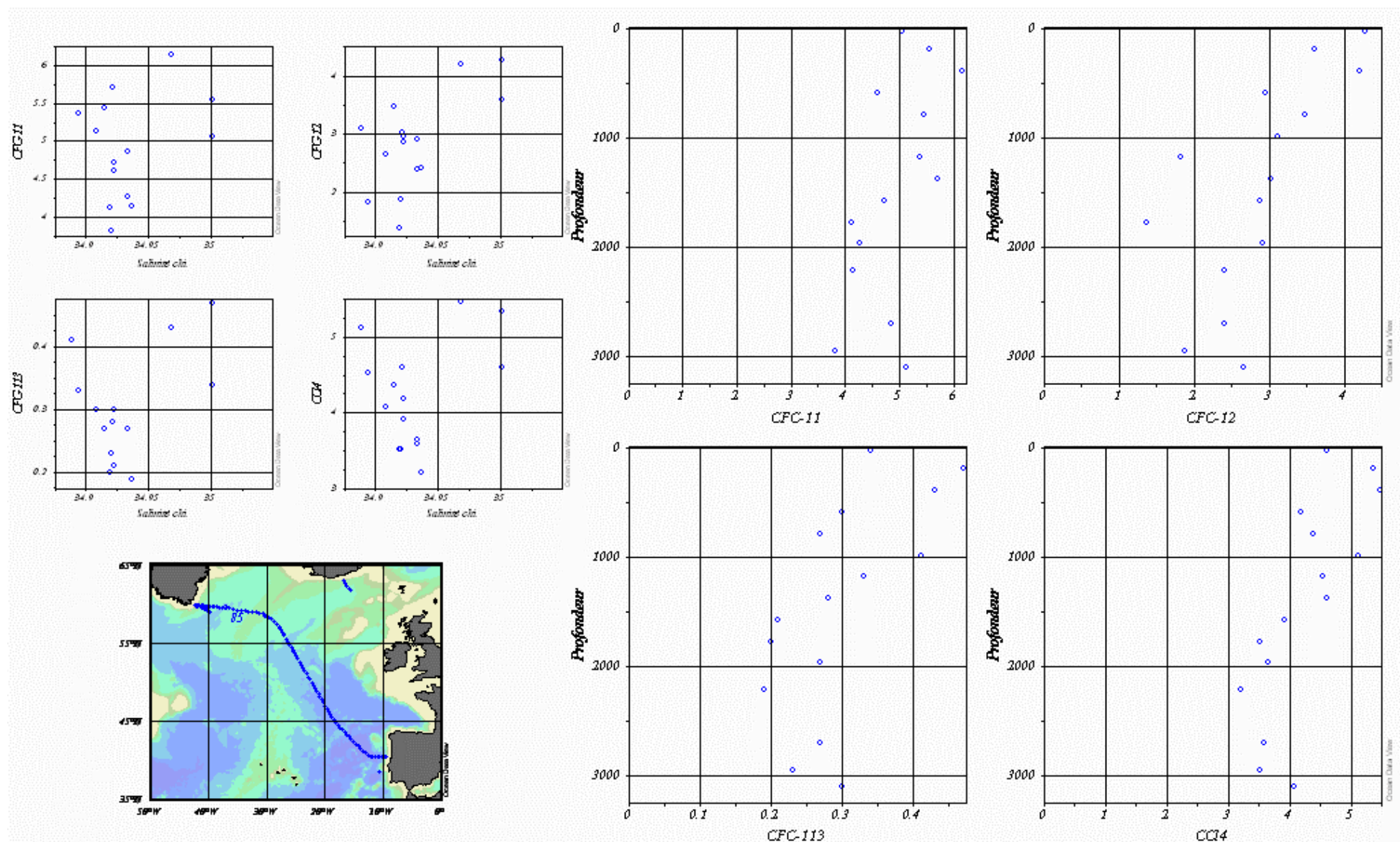




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
85	14/06/2006	05:35:09	59:25:72 N	37:01:73 W	3118m

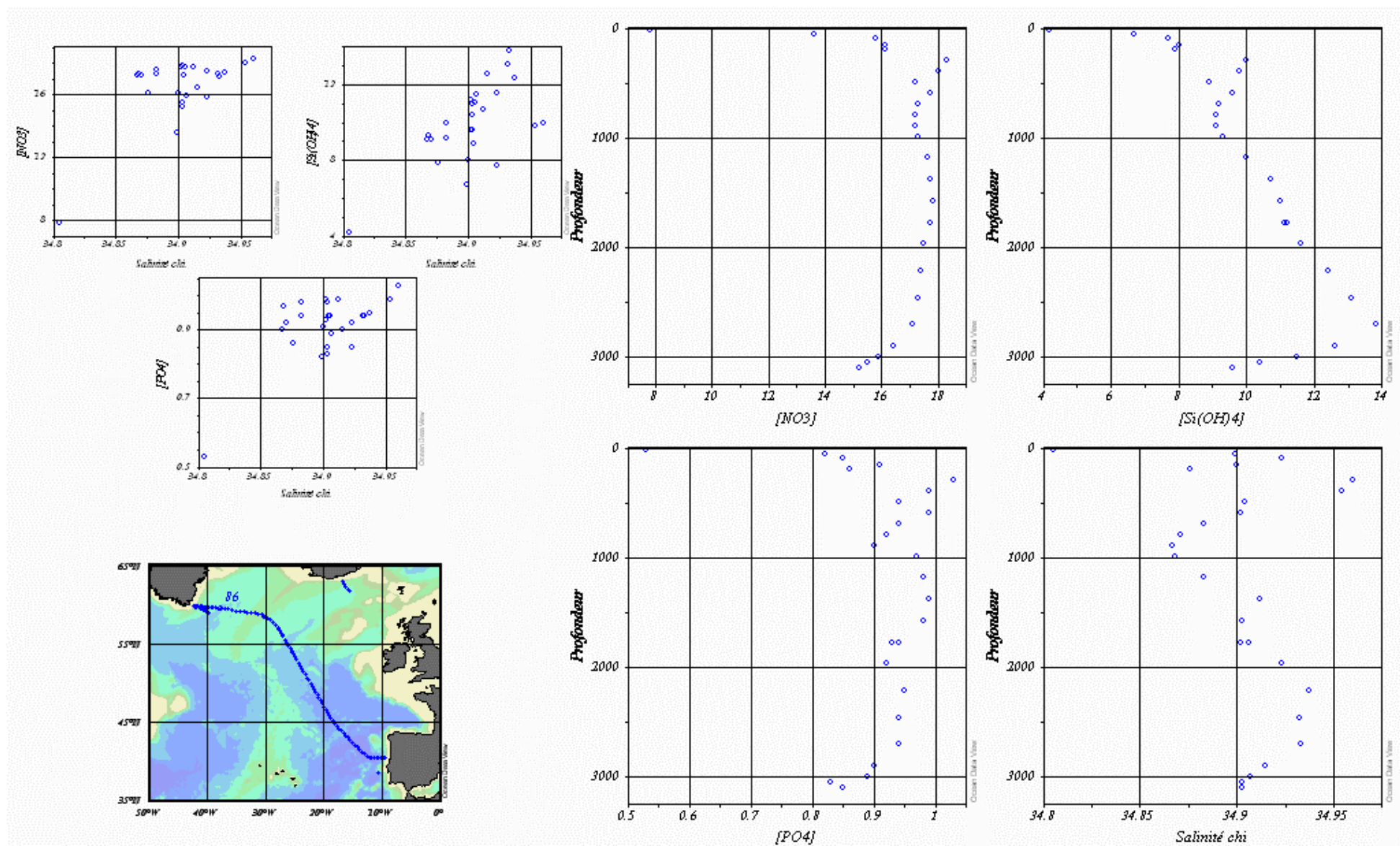
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
85	26	27.2	-26.9	8.261	34.995	35.001	6.752	9.6	3.9	0.57	5.06	4.27	0.34	4.61
85	25	49.7	-49.2	8.156	35.010	35.021	6.618	10.5	3.9	0.60				
85	24	100.4	-99.4	7.202	35.027	35.031	6.312	14.5	6.1	0.79				
85	23	150.4	-148.9	6.613	34.992	34.996	6.347	15.4	6.9	0.85				
85	22	199.7	-197.7	6.421	34.999	35.001	6.615	14.8	6.3	0.82	5.55	3.60	0.47	5.35
85	21	300.1	-297.1	6.046	35.001	35.002	6.486	16.0	7.7	0.87				
85	20	399.8	-395.7	5.530	34.965	34.968	6.467	16.4	8.2	0.87	6.15	4.20	0.43	5.47
85	19	500.1	-494.8	5.421	35.011	35.007	5.81	18.2	10.2	1.01				
85	18	599.4	-592.9	4.565	34.921	34.923	6.524	17.2	8.9	0.93	4.61	2.95	0.30	4.18
85	17	700.2	-692.5	4.307	34.916	34.916	6.567	17.2	9.0	0.96				
85	16	800.0	-791.0	4.130	34.916	34.915	6.422	17.8	9.6	0.99	5.45	3.48	0.27	4.37
85	15	899.9	-889.5	3.849	34.898	34.900	6.482	17.6	9.6	1.01				
85	14	1000.2	-988.4	3.667	34.887	34.889	6.552	17.5	9.6	0.93		3.11	0.41	5.12
85	13	1200.0	-1185.3	3.536	34.892	34.894	6.522	17.6	10.1	0.95	5.37	1.82	0.33	4.53
85	12	1399.2	-1381.4	3.513	34.918	34.921	6.366	17.7	10.8	0.99	5.71	3.02	0.28	4.60
85	11	1600.4	-1579.3	3.366	34.920	34.923	6.396	17.7	11.0	0.98	4.72	2.87	0.21	3.92
85	10	1799.9	-1775.4	3.199	34.918	34.919	6.444	17.6	11.1	1.01	4.12	1.37	0.20	3.51
85	9	1800.5	-1776.0	3.200	34.918	34.918	6.457	17.4	11.1	0.99				
85	8	1999.6	-1971.4	3.137	34.933	34.933	6.431	17.4	11.3	0.95	4.27	2.91	0.27	3.65
85	7	2249.2	-2216.2	3.009	34.938	34.937	6.412	17.2	11.9	0.96	4.14	2.41	0.19	3.21
85	6	2499.6	-2461.5	2.838	34.935	34.935	6.404	17.2	12.7	0.96				
85	5	2749.1	-2705.6	2.678	34.935	34.933	6.412	17.2	13.3	0.95	4.86	2.40	0.27	3.59
85	4	2999.2	-2950.1	2.359	34.921	34.920	6.513	16.6	12.9	0.92	3.81	1.88	0.23	3.51
85	3	3155.8	-3103.0	1.981	34.907	34.908	6.701	15.8	11.0	0.89	5.13	2.66	0.30	4.07

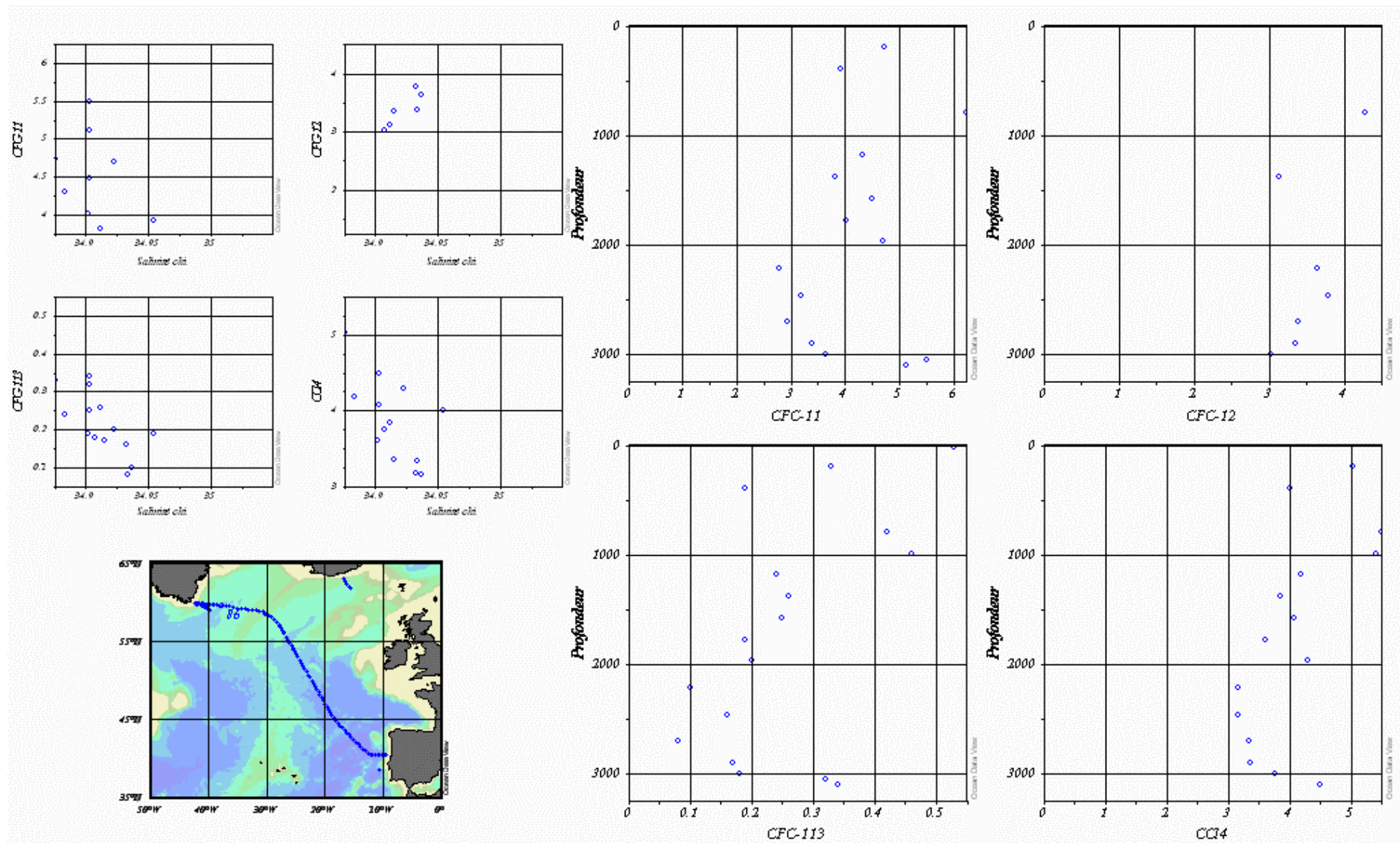




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
86	14/06/2006	10:52:38	59:29:52 N	37:40:77 W	3118m

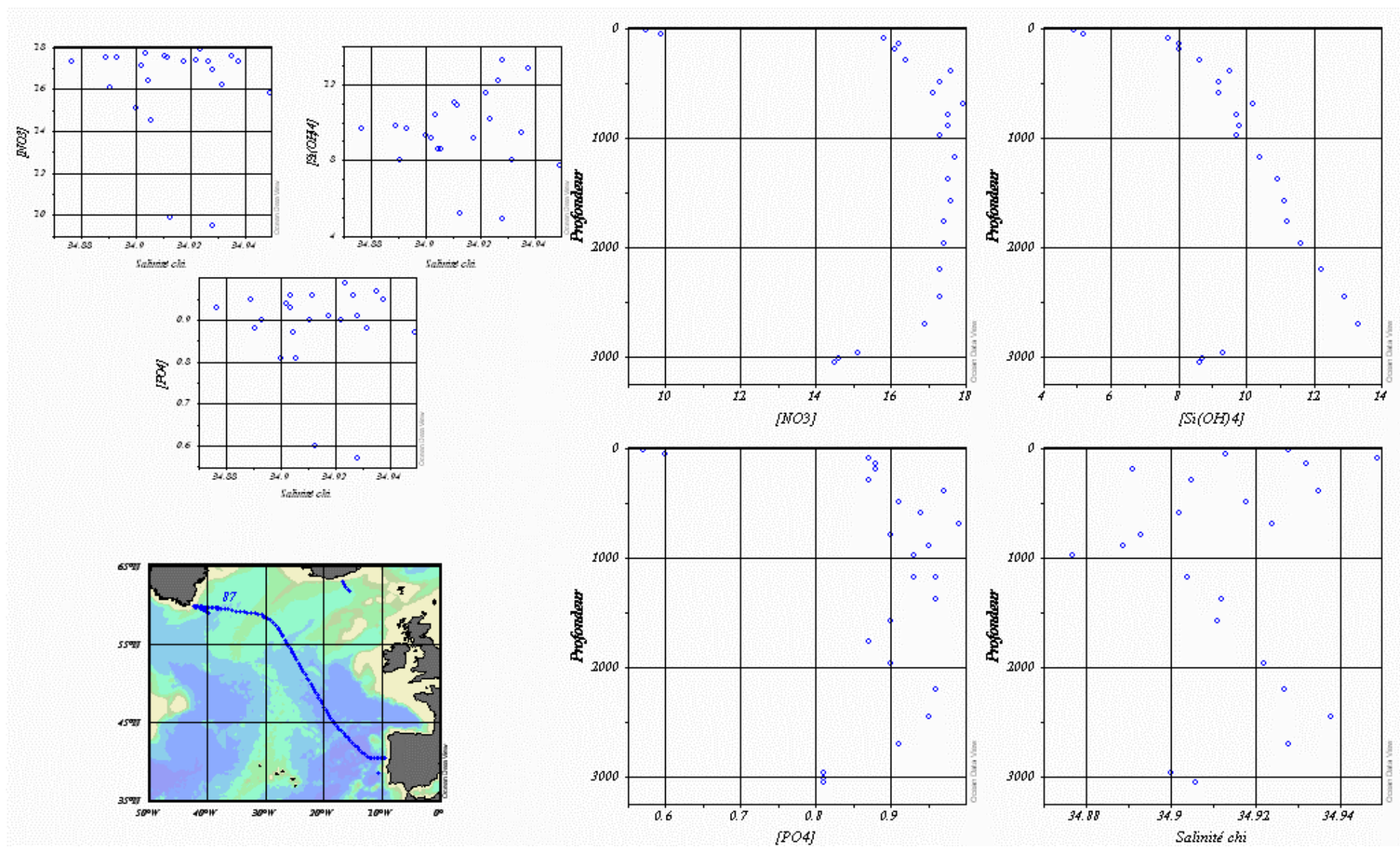
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
86	28	14.6	-14.5	7.168	34.798	34.805	7.047	7.8	4.2	0.53		10.09	0.53	6.33
86	27	51.7	-51.2	5.971	34.893	34.899	6.763	13.6	6.7	0.82				
86	26	100.1	-99.1	5.483	34.919	34.923	6.636	15.8	7.7	0.85				
86	25	152.4	-150.9	4.990	34.899	34.900	6.701	16.1	8.0	0.91				
86	24	199.8	-197.8	4.740	34.875	34.876	6.828	16.1	7.9	0.86	4.73	6.25	0.33	5.03
86	23	300.1	-297.1	4.882	34.954	34.960	6.024	18.3	10.0	1.03				
86	22	400.6	-396.5	4.619	34.949	34.954	6.243	18.0	9.8	0.99	3.93	7.07	0.19	4.00
86	21	500.2	-494.9	4.105	34.901	34.904	6.651	17.2	8.9	0.94				
86	20	598.7	-592.2	3.991	34.901	34.902	6.453	17.7	9.6	0.99				
86	19	700.6	-692.9	3.702	34.877	34.883	6.632	17.3	9.2	0.94				
86	18	802.9	-793.8	3.548	34.867	34.871	6.727	17.2	9.1	0.92	6.23	4.27	0.42	5.48
86	17	901.0	-890.6	3.480	34.864	34.867	6.754	17.2	9.1	0.90				
86	16	999.9	-988.1	3.432	34.865	34.868	6.717	17.3	9.3	0.97			0.46	5.40
86	15	1200.0	-1185.3	3.428	34.882	34.883	6.539	17.6	10.0	0.98	4.31	7.11	0.24	4.19
86	14	1398.8	-1381.0	3.400	34.907	34.912	6.401	17.7	10.7	0.99	3.82	3.13	0.26	3.85
86	13	1599.5	-1578.4	3.204	34.901	34.903	6.467	17.8	11.0	0.98	4.49	4.90	0.25	4.08
86	12	1799.7	-1775.2	3.075	34.902	34.902	6.493	17.7	11.2	0.93	4.02	5.15	0.19	3.60
86	11	1801.3	-1776.7	3.074	34.902	34.906	6.755	17.7	11.1	0.94				
86	10	1997.0	-1968.9	3.043	34.922	34.923	6.445	17.5	11.6	0.92	4.71	4.68	0.20	4.29
86	9	2249.8	-2216.8	2.920	34.933	34.937	6.42	17.4	12.4	0.95	2.79	3.63	0.10	3.15
86	8	2502.0	-2463.8	2.714	34.929	34.932	6.423	17.3	13.1	0.94	3.18	3.78	0.16	3.17
86	7	2744.1	-2700.7	2.520	34.931	34.933	6.423	17.1	13.8	0.94	2.93	3.38	0.08	3.34
86	6	2955.1	-2907.0	2.156	34.913	34.915	6.575	16.4	12.6	0.90	3.38	3.35	0.17	3.36
86	5	3054.1	-3003.7	1.962	34.906	34.907	6.675	15.9	11.5	0.89	3.64	3.03	0.18	3.76
86	4	3103.6	-3052.0	1.802	34.903	34.903	6.761	15.5	10.4	0.83	5.50	7.64	0.32	5.62
86	3	3154.7	-3101.9	1.658	34.901	34.903	6.83	15.2	9.6	0.85	5.12	5.11	0.34	4.49

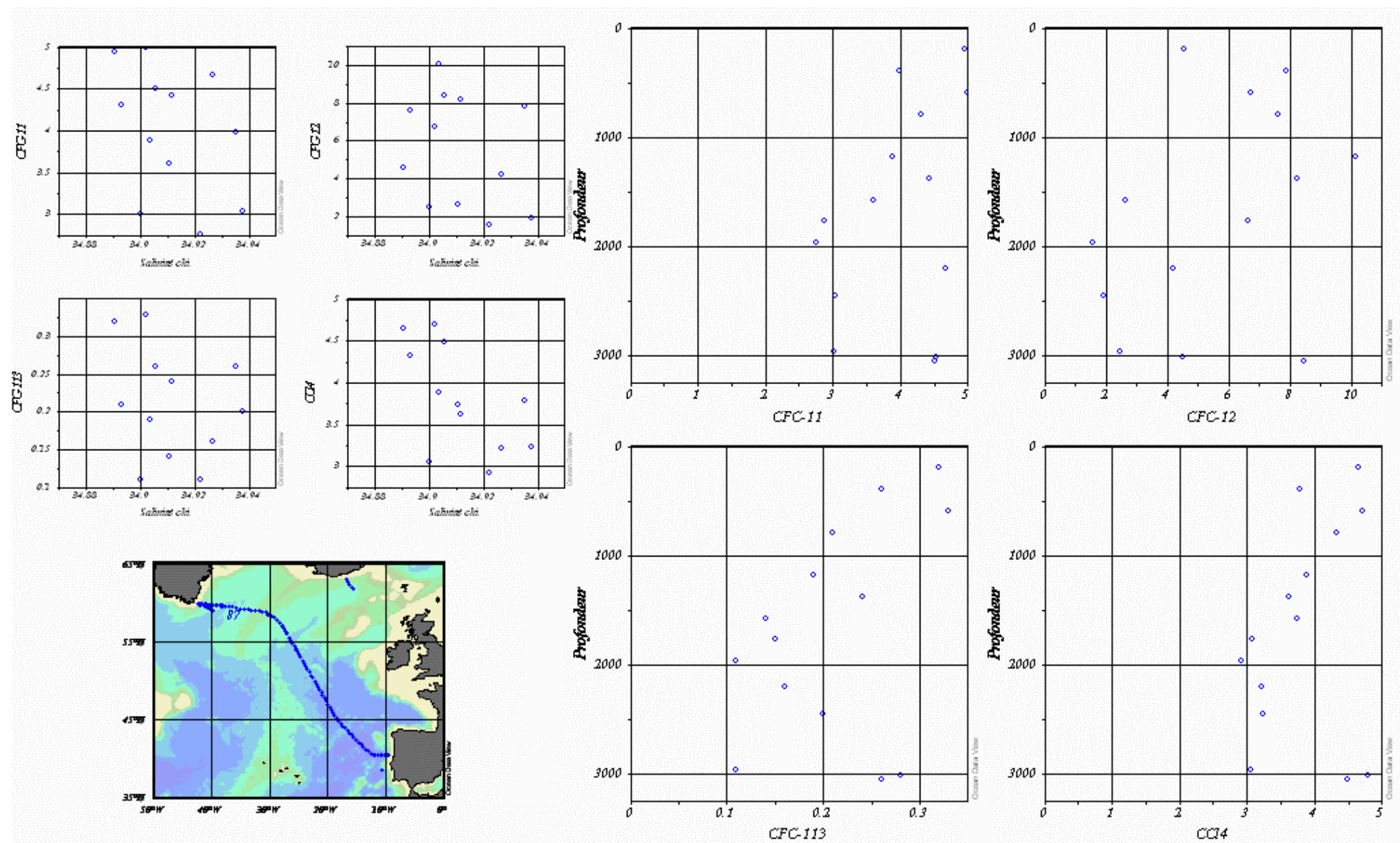




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
87	14/06/2006	15:56:19	59:32:17 N	38:06:26 W	3080m

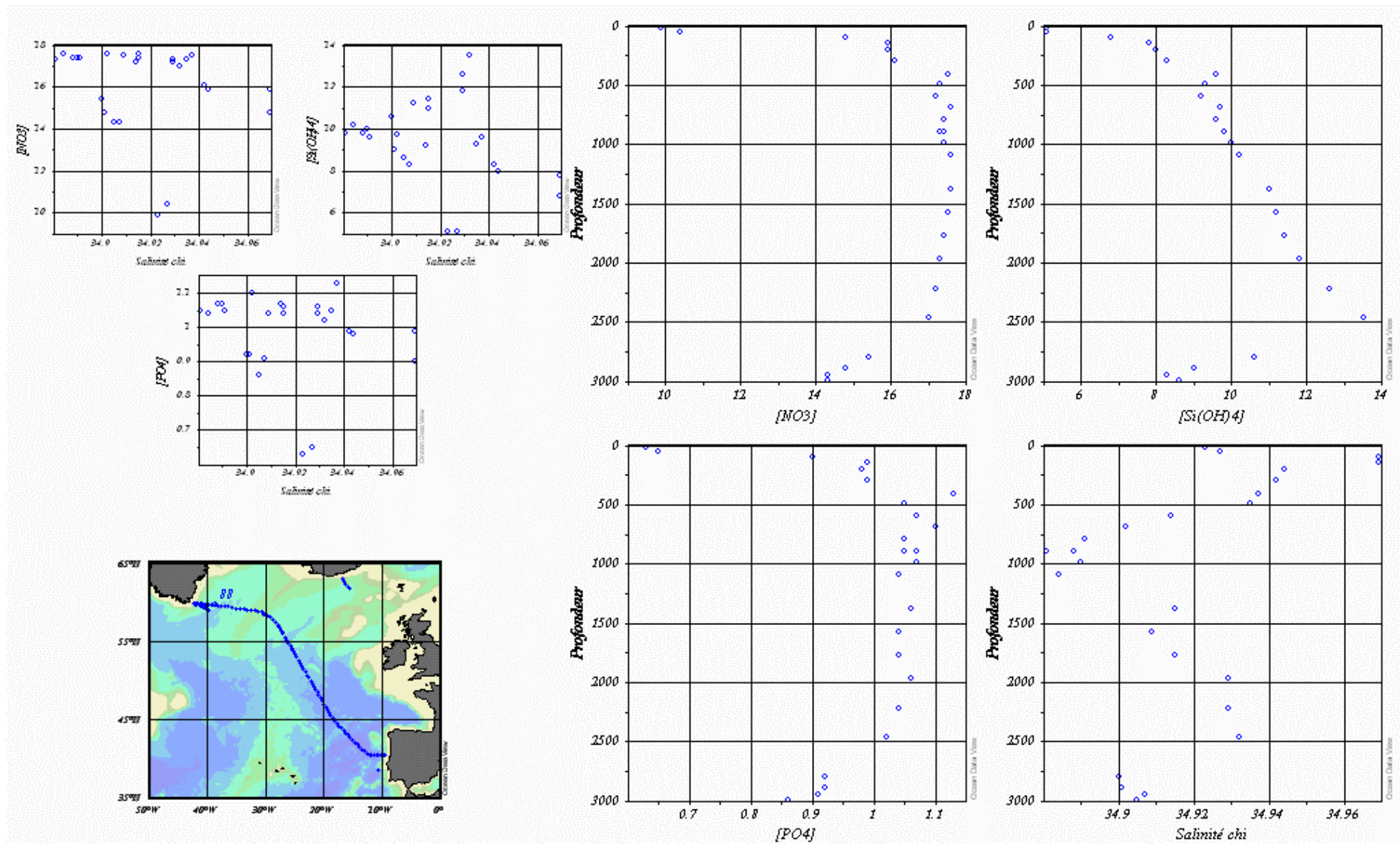
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
87	27	21.8	-21.6	7.587	34.926	34.928	6.987	9.5	4.9	0.57				
87	26	54.1	-53.6	7.057	34.904	34.913	6.968	9.9	5.2	0.60				
87	25	99.8	-98.8	5.778	34.948	34.949	6.57	15.8	7.7	0.87				
87	24	150.7	-149.2	5.371	34.933	34.932	6.632	16.2	8.0	0.88				
87	23	200.3	-198.3	4.836	34.888	34.891	6.78	16.1	8.0	0.88	4.94	4.56	0.32	4.65
87	22	300.3	-297.3	4.678	34.903	34.905	6.671	16.4	8.6	0.87				
87	21	402.3	-398.1	4.590	34.936	34.935	6.391	17.6	9.5	0.97	3.98	7.88	0.26	3.78
87	20	499.2	-493.9	4.306	34.918	34.918	6.525	17.3	9.2	0.91				
87	19	598.1	-591.6	4.045	34.900	34.902	6.662	17.1	9.2	0.94	4.99	6.74	0.33	4.70
87	18	698.9	-691.2	4.025	34.920	34.924	6.313	17.9	10.2	0.99				
87	17	799.9	-790.9	3.732	34.893	34.893	6.526	17.5	9.7	0.90	4.31	7.60	0.21	4.32
87	16	898.4	-888.0	3.627	34.888	34.889	6.558	17.5	9.8	0.95				
87	15	997.8	-986.1	3.489	34.876	34.877	6.654	17.3	9.7	0.93				
87	14	1196.9	-1182.3	3.523	34.902	34.904	6.455	17.7	10.4	0.93	3.89	10.12	0.19	3.89
87	13	1199.4	-1184.7	3.520	34.903	34.904	6.444	17.7	10.4	0.96				
87	12	1400.9	-1383.1	3.405	34.911	34.912	6.443	17.5	10.9	0.96	4.42	8.22	0.24	3.62
87	11	1599.2	-1578.1	3.232	34.911	34.911	6.452	17.6	11.1	0.90	3.60	2.66	0.14	3.74
87	10	1799.4	-1774.9	3.128	34.914		6.502	17.4	11.2	0.87	2.87	6.62	0.15	3.08
87	9	1999.9	-1971.7	3.028	34.922	34.922	6.478	17.4	11.6	0.90	2.76	1.56	0.11	2.92
87	8	2237.9	-2205.1	2.904	34.928	34.927	6.437	17.3	12.2	0.96	4.67	4.20	0.16	3.21
87	7	2496.3	-2458.2	2.743	34.929	34.938	6.436	17.3	12.9	0.95	3.03	1.91	0.20	3.23
87	6	2748.6	-2705.1	2.522	34.927	34.928	6.472	16.9	13.3	0.91				
87	5	3014.4	-2964.9	1.798	34.900	34.900	6.825	15.1	9.3	0.81	3.01	2.48	0.11	3.05
87	4	3064.9	-3014.2	1.425	34.904		6.936	14.6	8.7	0.81	4.52	4.49	0.28	4.78
87	3	3114.3	-3062.4	1.302	34.903	34.906	6.963	14.5	8.6	0.81	4.51	8.46	0.26	4.48

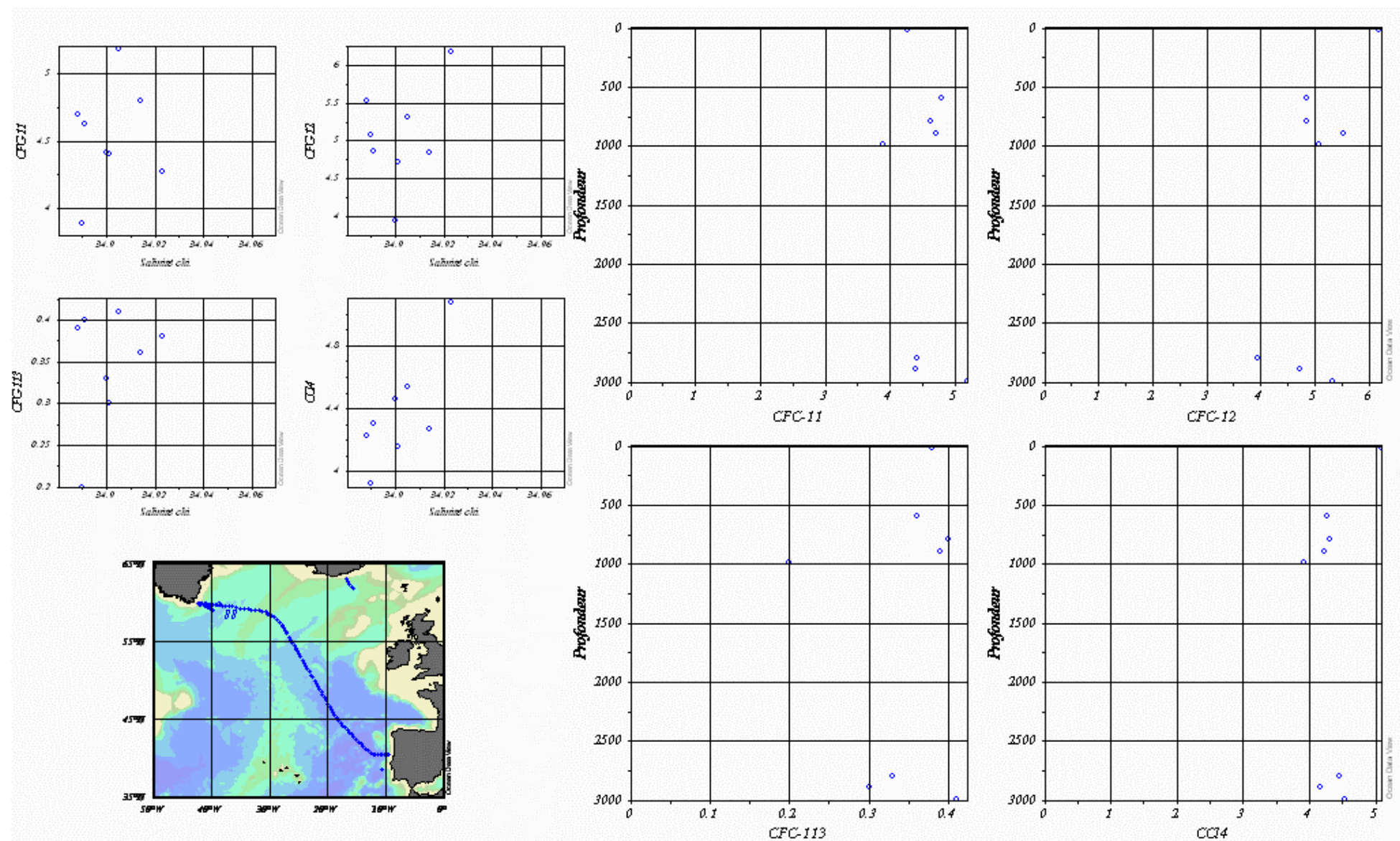




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
88	15/06/2006	09:43:18	59:34:80 N	38:31:74 W	3006m

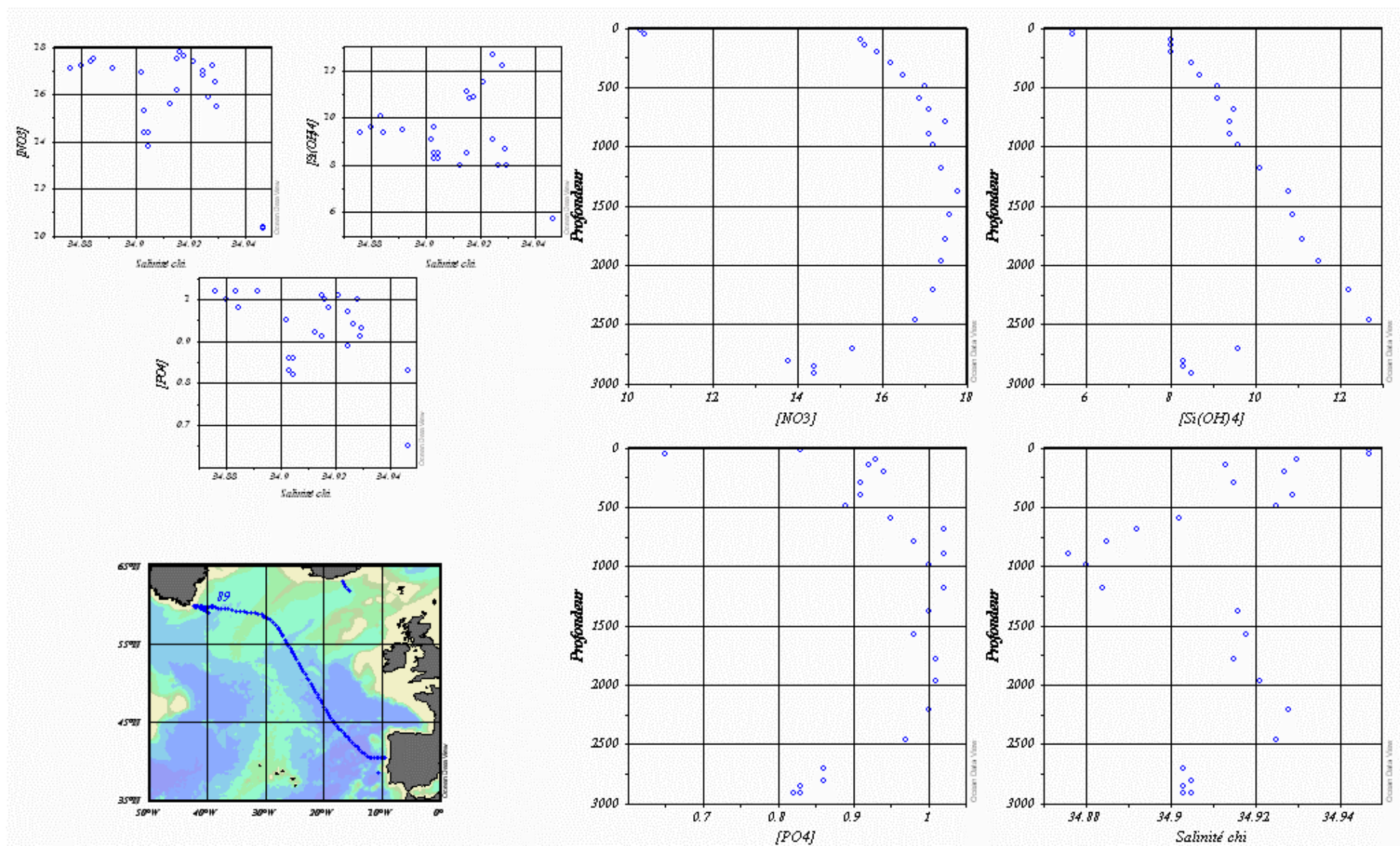
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
88	27	12.1	-12.0	7.442	34.921	34.923	6.911	9.9	5.1	0.63	4.27	6.19	0.38	5.08
88	26	49.2	-48.7	7.403	34.920	34.927	6.884	10.4	5.1	0.65				
88	25	99.9	-98.9	6.202	34.959	34.969	6.588	14.8	6.8	0.90				
88	24	151.1	-149.6	5.928	34.968	34.969	6.46	15.9	7.8	0.99				
88	23	198.3	-196.3	5.564	34.941	34.944	6.597	15.9	8.0	0.98				
88	22	300.3	-297.3	5.200	34.940	34.942	6.681	16.1	8.3	0.99				
88	21	409.9	-405.6	4.717	34.931	34.937	6.27	17.5	9.6	1.13				
88	20	499.3	-494.0	4.511	34.933	34.935	6.468	17.3	9.3	1.05				
88	19	600.6	-594.1	4.188	34.914	34.914	6.566	17.2	9.2	1.07	4.80	4.85	0.36	4.27
88	18	699.9	-692.2	3.965	34.902	34.902	6.476	17.6	9.7	1.10				
88	17	801.7	-792.6	3.740	34.889	34.891	6.549	17.4	9.6	1.05	4.63	4.86	0.40	4.30
88	16	900.3	-889.9	3.656	34.885	34.888	6.554	17.4	9.8	1.07	4.70	5.54	0.39	4.23
88	15	900.7	-890.3	3.651	34.888	34.881	6.559	17.3	9.8	1.05				
88	14	999.7	-987.9	3.594	34.890	34.890	6.536	17.4	10.0	1.07	3.89	5.08	0.20	3.92
88	13	1100.0	-1086.8	3.491	34.884	34.884	6.542	17.6	10.2	1.04				
88	12	1400.4	-1382.6	3.425	34.915	34.915	6.381	17.6	11.0	1.06				
88	11	1600.5	-1579.4	3.215	34.909	34.909	6.467	17.5	11.2	1.04				
88	10	1800.5	-1775.9	3.081	34.914	34.915	6.485	17.4	11.4	1.04				
88	9	2000.6	-1972.4	3.032	34.931	34.929	6.438	17.3	11.8	1.06				
88	8	2251.9	-2218.8	2.839	34.927	34.929	6.436	17.2	12.6	1.04				
88	7	2501.7	-2463.5	2.687	34.933	34.932	6.424	17.0	13.5	1.02				
88	6	2842.5	-2796.9	1.915	34.900	34.900	6.739	15.4	10.6	0.92	4.41	3.94	0.33	4.46
88	5	2942.1	-2894.2	1.729	34.900	34.901	6.871	14.8	9.0	0.92	4.40	4.72	0.30	4.16
88	4	2991.8	-2942.8	1.500	34.908	34.907	6.955	14.3	8.3	0.91				
88	3	3042.5	-2992.3	1.239	34.904	34.905	6.972	14.3	8.6	0.86	5.18	5.32	0.41	4.54

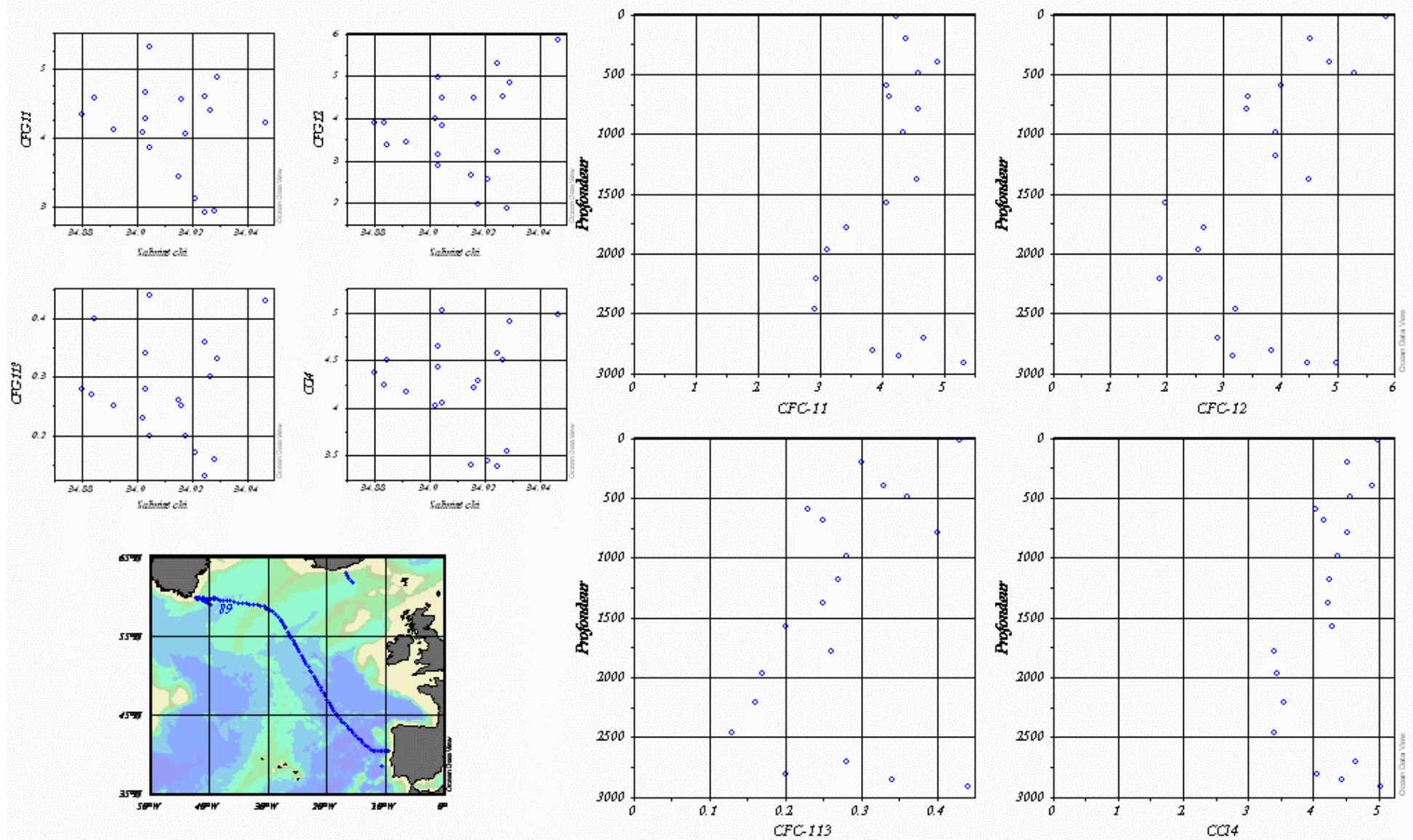




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
89	15/06/2006	14:34:09	59:37:50 N	38:57:52 W	2930m

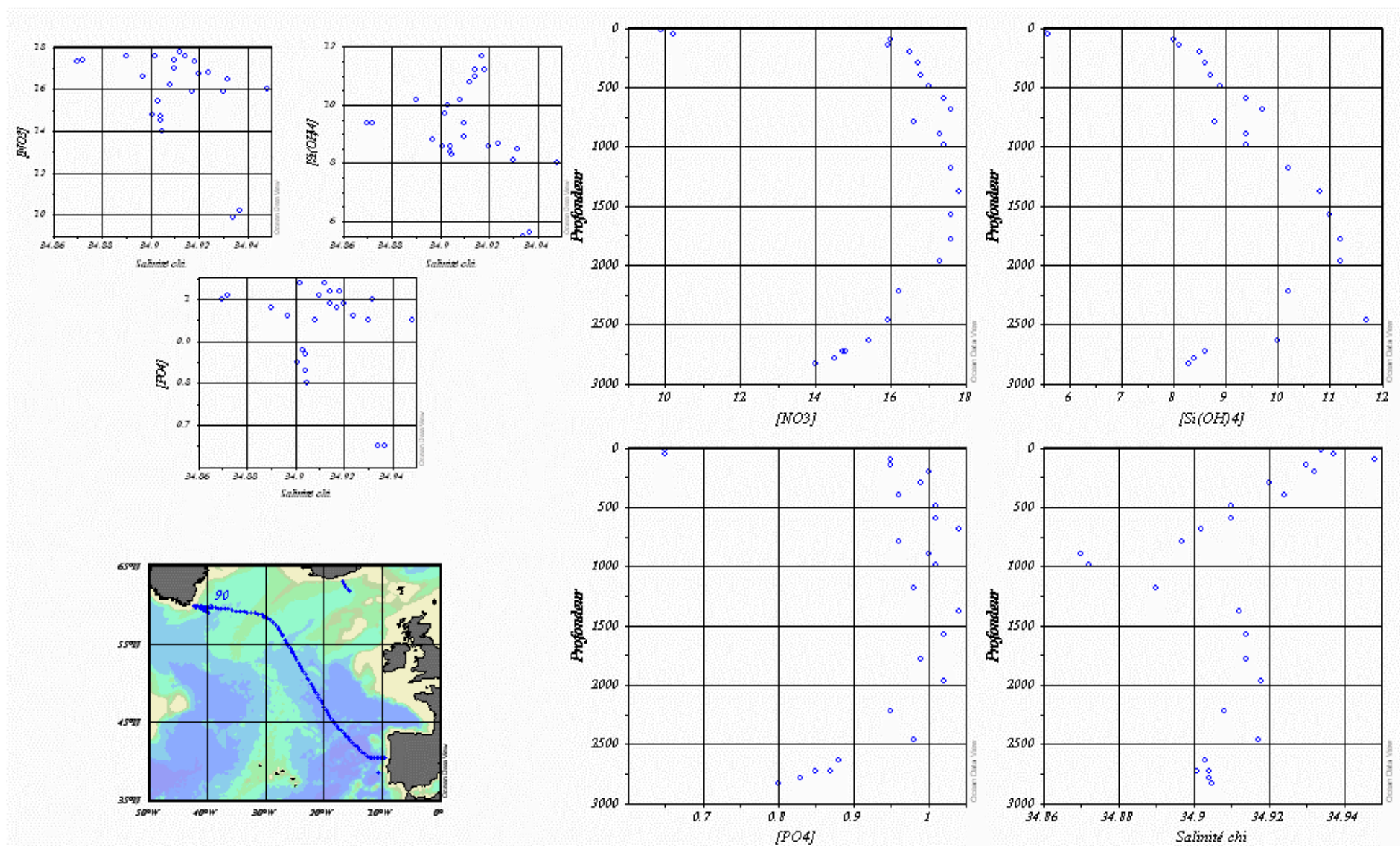
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
89	27	14.3	-14.2	7.279	34.944	34.947	6.943	10.3	5.7	0.83	4.22	5.85	0.43	4.98
89	26	50.3	-49.8	7.263	34.943	34.947	6.933	10.4	5.7	0.65				
89	25	101.3	-100.3	5.428	34.933	34.930	6.765	15.5	8.0	0.93				
89	24	150.1	-148.6	5.116	34.908	34.913	6.802	15.6	8.0	0.92				
89	23	200.1	-198.1	5.052	34.926	34.927	6.743	15.9	8.0	0.94	4.39	4.52	0.30	4.51
89	22	300.4	-297.4	4.620	34.912	34.915	6.79	16.2	8.5	0.91				
89	21	398.9	-394.8	4.535	34.925	34.929	6.713	16.5	8.7	0.91	4.88	4.84	0.33	4.91
89	20	498.9	-493.6	4.365	34.923	34.925	6.561	17.0	9.1	0.89	4.59	5.29	0.36	4.57
89	19	599.7	-593.2	4.057	34.901	34.902	6.614	16.9	9.1	0.95	4.08	4.01	0.23	4.03
89	18	699.7	-692.0	3.880	34.895	34.892	6.543	17.1	9.5	1.02	4.12	3.43	0.25	4.17
89	17	800.0	-791.0	3.704	34.883	34.885	6.608	17.5	9.4	0.98	4.58	3.39	0.40	4.51
89	16	899.8	-889.4	3.572	34.877	34.876	6.683	17.1	9.4	1.02				
89	15	999.7	-987.9	3.520	34.878	34.880	6.643	17.2	9.6	1.00	4.33	3.91	0.28	4.37
89	14	1198.9	-1184.2	3.447	34.885	34.884	6.716	17.4	10.1	1.02		3.91	0.27	4.25
89	13	1400.6	-1382.8	3.475	34.917	34.916	6.386	17.8	10.8	1.00	4.55	4.48	0.25	4.22
89	12	1599.3	-1578.2	3.308	34.916	34.918	6.423	17.6	10.9	0.98	4.06	1.97	0.20	4.29
89	11	1802.7	-1778.1	3.145	34.913	34.915	6.474	17.5	11.1	1.01	3.43	2.66	0.26	3.40
89	10	1998.1	-1969.9	3.038	34.921	34.921	6.467	17.4	11.5	1.01	3.12	2.56	0.17	3.45
89	9	2244.6	-2211.7	2.863	34.928	34.928	6.462	17.2	12.2	1.00	2.93	1.88	0.16	3.54
89	8	2501.2	-2463.0	2.576	34.926	34.925	6.489	16.8	12.7	0.97	2.92	3.20	0.13	3.39
89	7	2749.7	-2706.2	2.085	34.903	34.903	6.792	15.3	9.6	0.86	4.66	2.90	0.28	4.65
89	6	2850.2	-2804.4	1.703	34.906	34.905	6.915	13.8	8.3	0.86	3.85	3.83	0.20	4.06
89	5	2897.5	-2850.7	1.427	34.906	34.903	6.961	14.4	8.3	0.83	4.27	3.16	0.34	4.43
89	4	2961.8	-2913.5	1.283	34.904	34.903	6.958	14.4	8.5	0.83		4.98		
89	3	2962.4	-2914.1	1.282	34.904	34.905	6.964	14.4	8.5	0.82	5.31	4.47	0.44	5.03

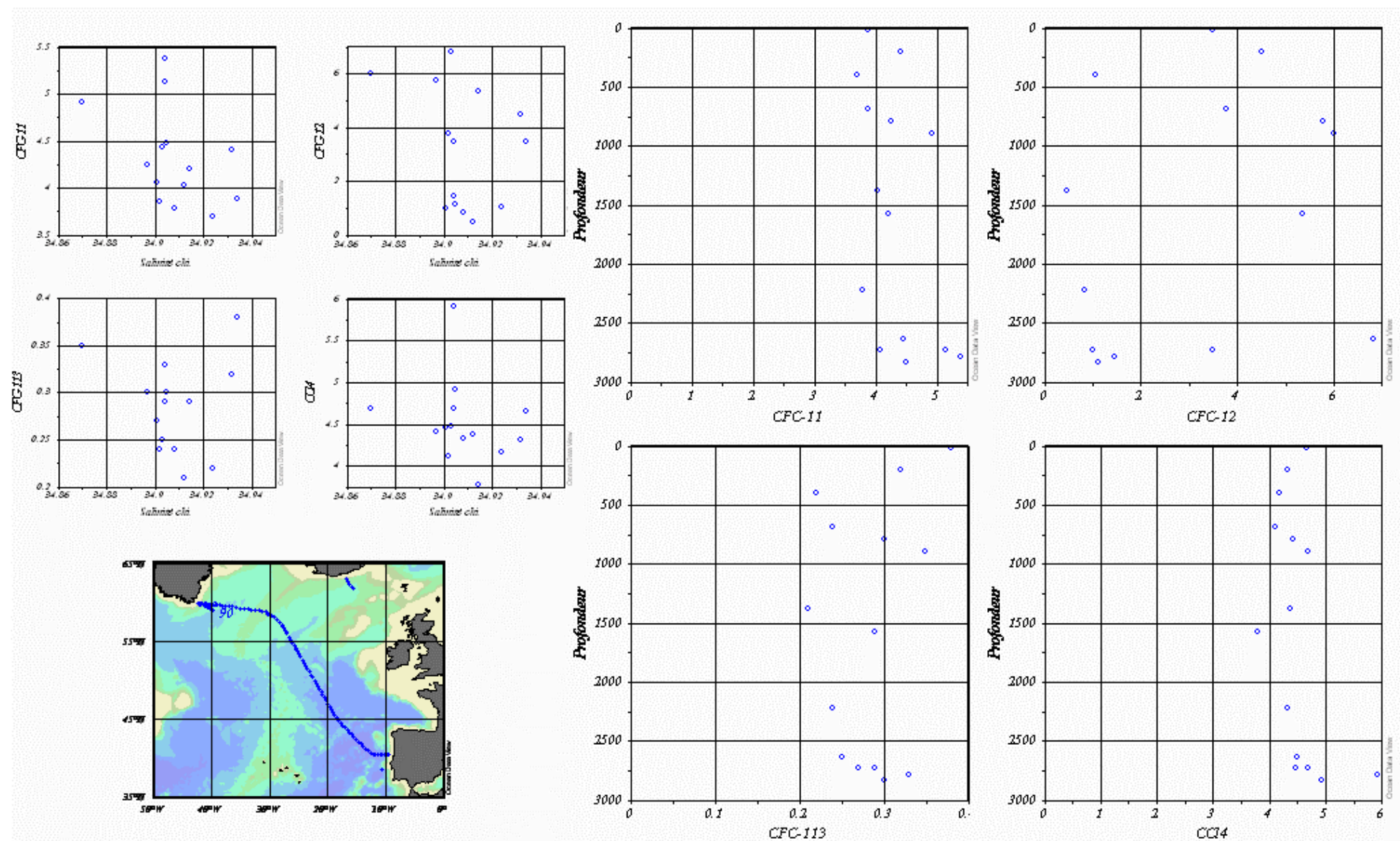




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
90	15/06/2006	19:14:26	59:39:45 N	39:23:16 W	2846m

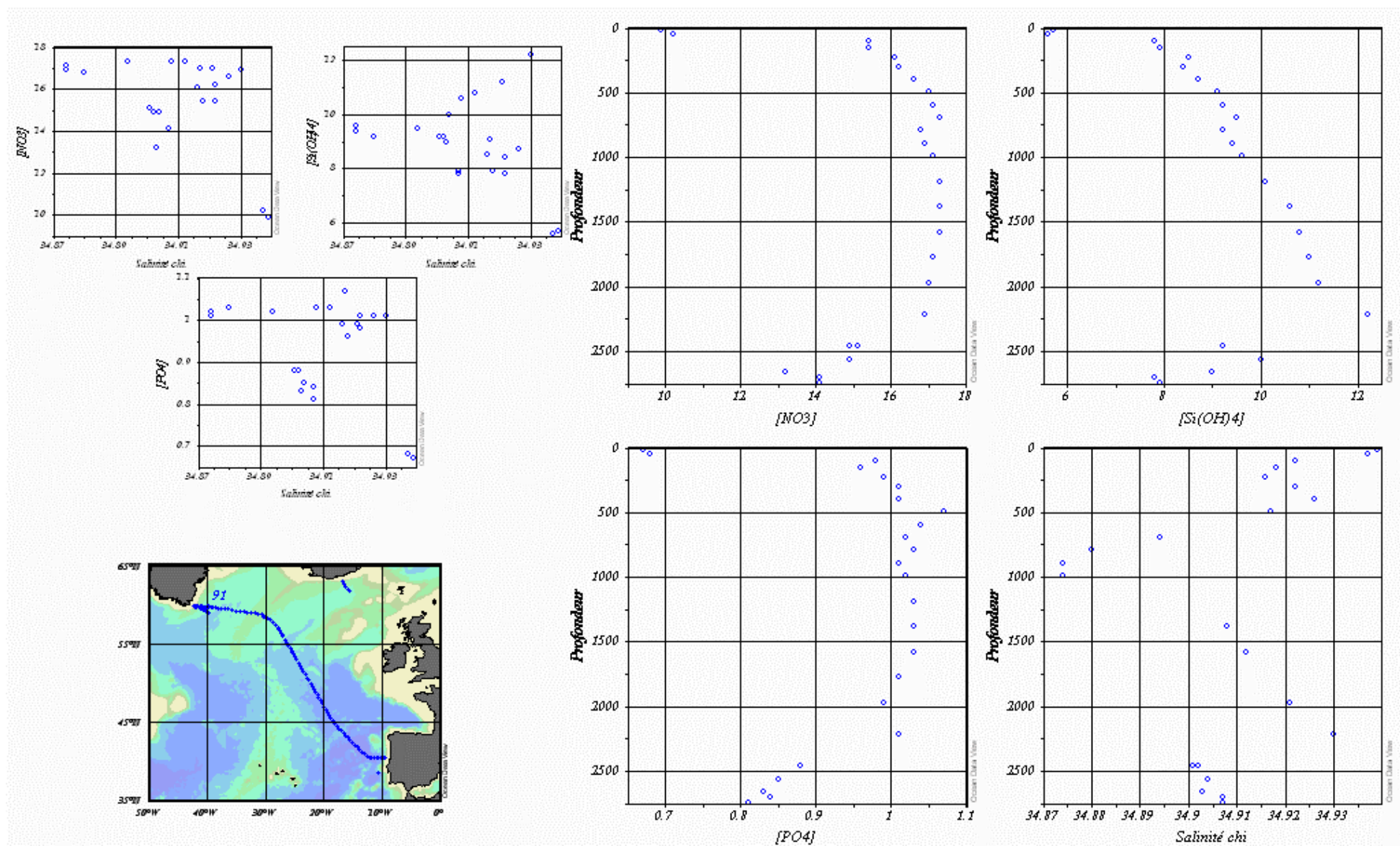
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
90	28	17.3	-17.1	7.218	34.935	34.934	6.923	9.9	5.5	0.65	3.88	3.48	0.38	4.66
90	27	49.5	-49.0	7.207	34.938	34.937	6.914	10.2	5.6	0.65				
90	26	100.7	-99.7	5.402	34.950	34.948	6.649	16.0	8.0	0.95				
90	25	150.2	-148.7	5.114	34.929	34.930	6.753	15.9	8.1	0.95				
90	24	200.2	-198.2	4.985	34.931	34.932	6.616	16.5	8.5	1.00	4.40	4.50	0.32	4.31
90	23	299.6	-296.6	4.629	34.920	34.920	6.663	16.7	8.6	0.99				
90	22	400.4	-396.3	4.452	34.924	34.924	6.67	16.8	8.7	0.96	3.70	1.05	0.22	4.17
90	21	500.6	-495.3	4.241	34.913	34.910	6.629	17.0	8.9	1.01				
90	20	600.1	-593.6	4.090	34.909	34.910	6.54	17.4	9.4	1.01				
90	19	700.1	-692.3	3.942	34.905	34.902	6.45	17.6	9.7	1.04	3.86	3.77	0.24	4.11
90	18	800.7	-791.6	3.644	34.880	34.897	6.634	16.6	8.8	0.96	4.24	5.78	0.30	4.41
90	16	900.8	-890.4	3.514	34.873	34.870	6.701	17.3	9.4	1.00	4.92	6.00	0.35	4.68
90	15	999.1	-987.3	3.468	34.874	34.872	6.674	17.4	9.4	1.01				
90	14	1200.7	-1186.0	3.446	34.891	34.890	6.497	17.6	10.2	0.98				
90	13	1399.8	-1382.0	3.413	34.914	34.912	6.398	17.8	10.8	1.04	4.03	0.47	0.21	4.37
90	12	1599.4	-1578.3	3.274	34.915	34.914	6.444	17.6	11.0	1.02	4.20	5.34	0.29	3.78
90	11	1801.7	-1777.1	3.129	34.915	34.914	6.479	17.6	11.2	0.99				
90	10	2000.5	-1972.3	3.001	34.919	34.918	6.48	17.3	11.2	1.02				
90	9	2248.5	-2215.5	2.746	34.911	34.908	6.612	16.2	10.2	0.95	3.78	0.82	0.24	4.33
90	8	2501.1	-2462.9	2.513	34.920	34.917	6.538	15.9	11.7	0.98				
90	7	2675.6	-2633.7	2.097	34.906	34.903	6.725	15.4	10.0	0.88	4.44	6.83	0.25	4.48
90	6	2777.2	-2733.0	1.697	34.904	34.904	6.871	14.7	8.6	0.87	5.13	3.50	0.29	4.68
90	5	2776.1	-2732.0	1.687	34.906	34.901	6.875	14.8	8.6	0.85	4.06	1.00	0.27	4.46
90	4	2826.2	-2781.0	1.362	34.908	34.904	6.98	14.5	8.4	0.83	5.38	1.46	0.33	5.91
90	3	2875.9	-2829.5	1.358	34.909	34.905	6.953	14.0	8.3	0.80	4.48	1.12	0.30	4.92

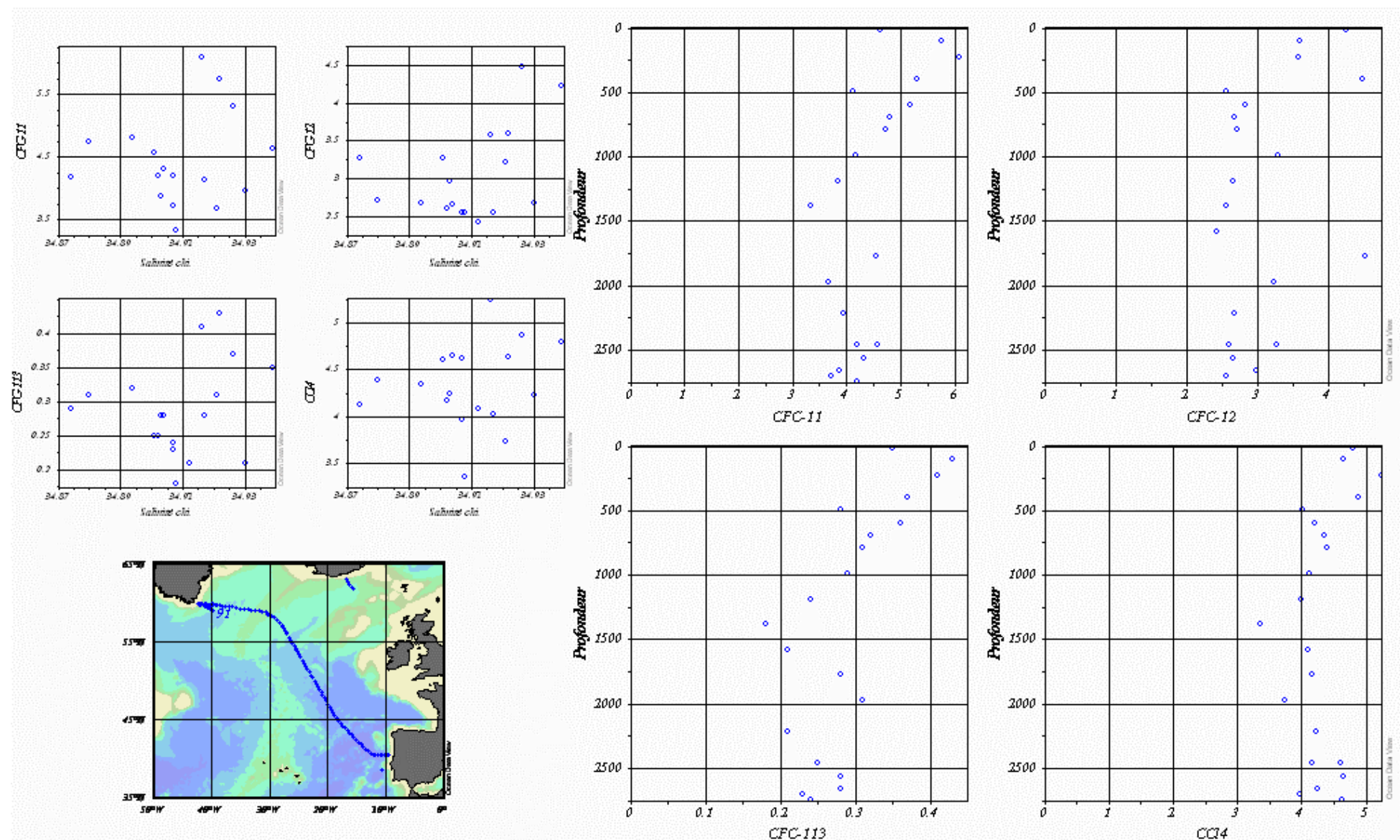




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
91	15/06/2006	23:33:00	59:41:52 N	39:49:04 W	2765m

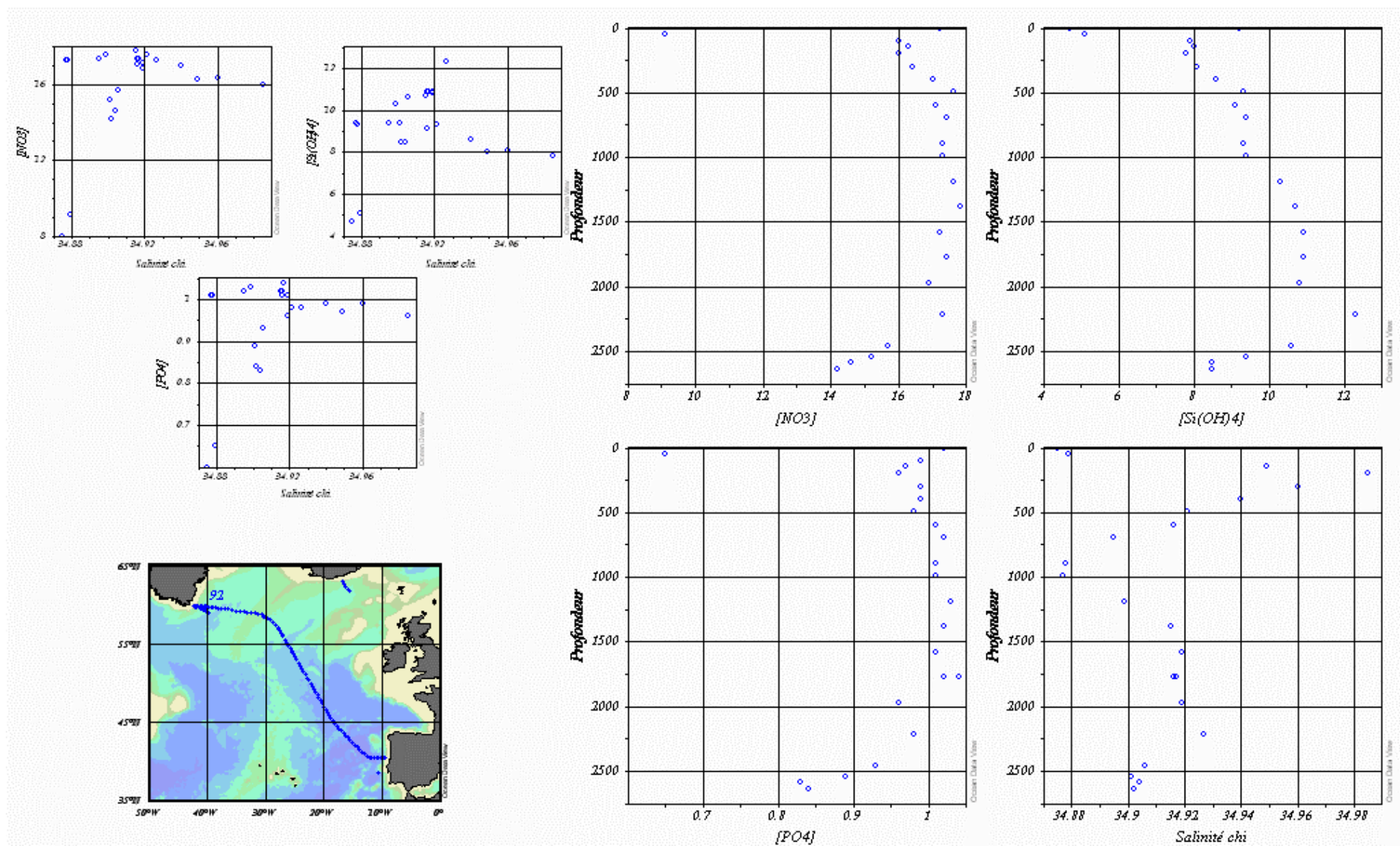
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
91	27	12.9	-12.8	7.152	34.934	34.939	6.908	9.9	5.7	0.67	4.63	4.24	0.35	4.80
91	26	49.7	-49.2	7.129	34.936	34.937	7.182	10.2	5.6	0.68				
91	25	99.7	-98.7	5.115	34.922	34.922	6.774	15.4	7.8	0.98	5.75	3.60	0.43	4.64
91	24	150.9	-149.4	4.944	34.917	34.918	6.825	15.4	7.9	0.96				
91	23	230.0	-227.7	4.679	34.915	34.916	6.679	16.1	8.5	0.99	6.08	3.58	0.41	5.25
91	22	300.7	-297.7	4.550	34.923	34.922	6.685	16.2	8.4	1.01				
91	21	399.2	-395.1	4.418	34.925	34.926	6.594	16.6	8.7	1.01	5.31	4.48	0.37	4.87
91	20	499.8	-494.5	4.207	34.917	34.917	6.516	17.0	9.1	1.07	4.12	2.55	0.28	4.02
91	19	600.1	-593.6	3.952	34.902		6.525	17.1	9.2	1.04	5.19	2.82	0.36	4.20
91	18	700.1	-692.3	3.807	34.896	34.894	6.502	17.3	9.5	1.02	4.81	2.67	0.32	4.34
91	17	800.4	-791.3	3.614	34.879	34.880	6.661	16.8	9.2	1.03	4.73	2.71	0.31	4.39
91	16	899.3	-888.9	3.508	34.876	34.874	6.671	16.9	9.4	1.01				
91	15	999.8	-988.0	3.465	34.876	34.874	6.63	17.1	9.6	1.02	4.17	3.28	0.29	4.12
91	14	1199.6	-1184.9	3.444	34.894		6.5	17.3	10.1	1.03	3.85	2.66	0.24	4.00
91	13	1400.4	-1382.6	3.395	34.911	34.908	6.403	17.3	10.6	1.03	3.33	2.55	0.18	3.36
91	12	1600.2	-1579.1	3.227	34.910	34.912	6.454	17.3	10.8	1.03		2.43	0.21	4.09
91	11	1798.7	-1774.1	3.127	34.913		6.469	17.1	11.0	1.01	4.55	4.51	0.28	4.15
91	10	1999.1	-1970.9	3.004	34.923	34.921	6.463	17.0	11.2	0.99	3.67	3.22	0.31	3.74
91	9	2249.3	-2216.3	2.834	34.930	34.930	6.433	16.9	12.2	1.01	3.95	2.67	0.21	4.23
91	8	2499.9	-2461.7	2.339	34.903	34.901	6.77	15.1	9.2	0.88	4.57	3.27	0.25	4.60
91	7	2499.4	-2461.2	2.332	34.904	34.902	6.772	14.9	9.2	0.88	4.20	2.60	0.25	4.17
91	6	2601.3	-2561.0	2.086	34.904	34.904	6.707	14.9	10.0	0.85	4.31	2.66	0.28	4.65
91	5	2699.5	-2657.1	1.720	34.907	34.903	6.879	13.2	9.0	0.83	3.86	2.97	0.28	4.25
91	4	2745.4	-2701.9	1.444	34.908	34.907	6.988	14.1	7.8	0.84	3.72	2.55	0.23	3.97
91	3	2791.9	-2747.4	1.433	34.908	34.907	6.985	14.1	7.9	0.81	4.20		0.24	4.62

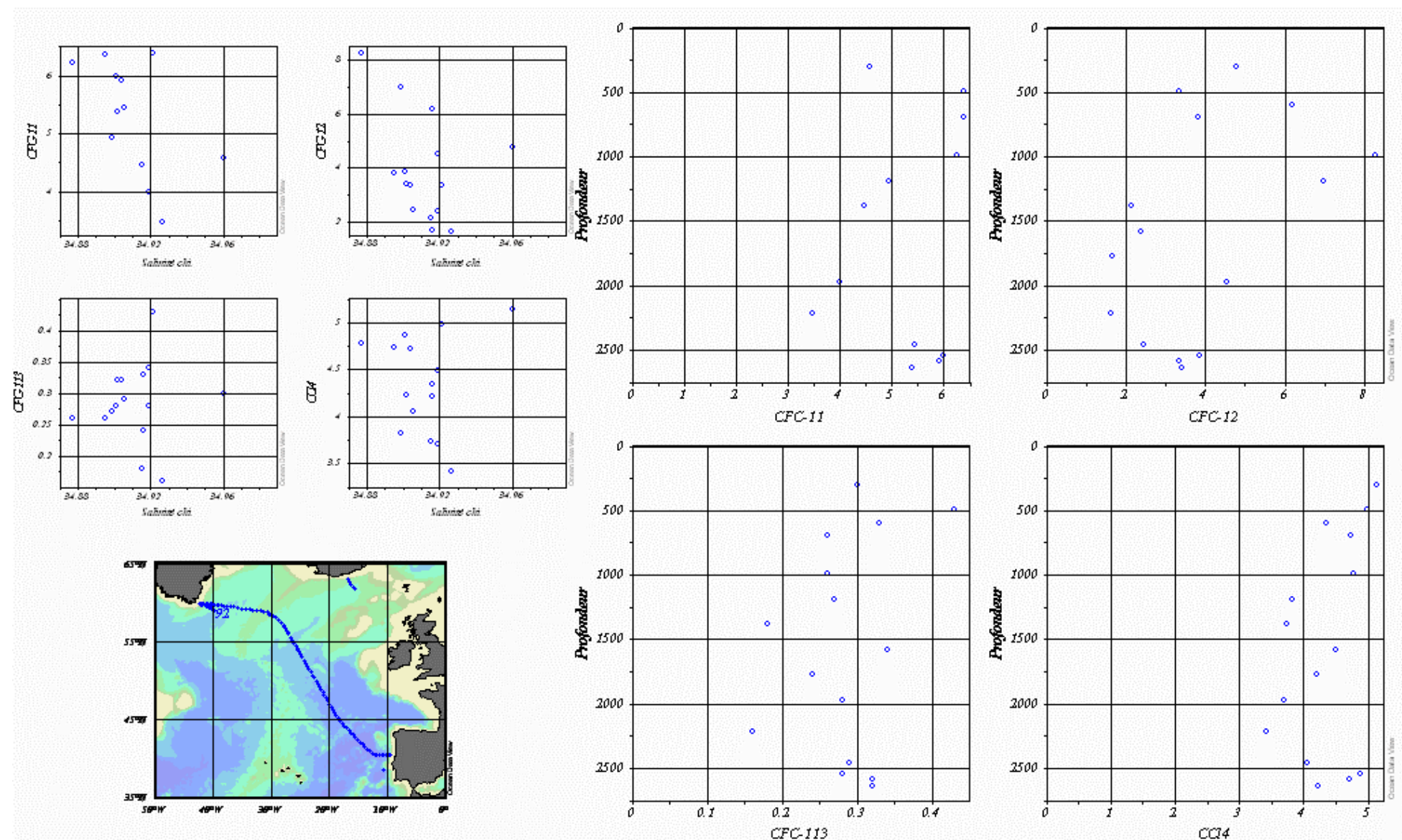




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
92	16/06/2006	03:27:22	59:43:49 N	40:15:03 W	2662m

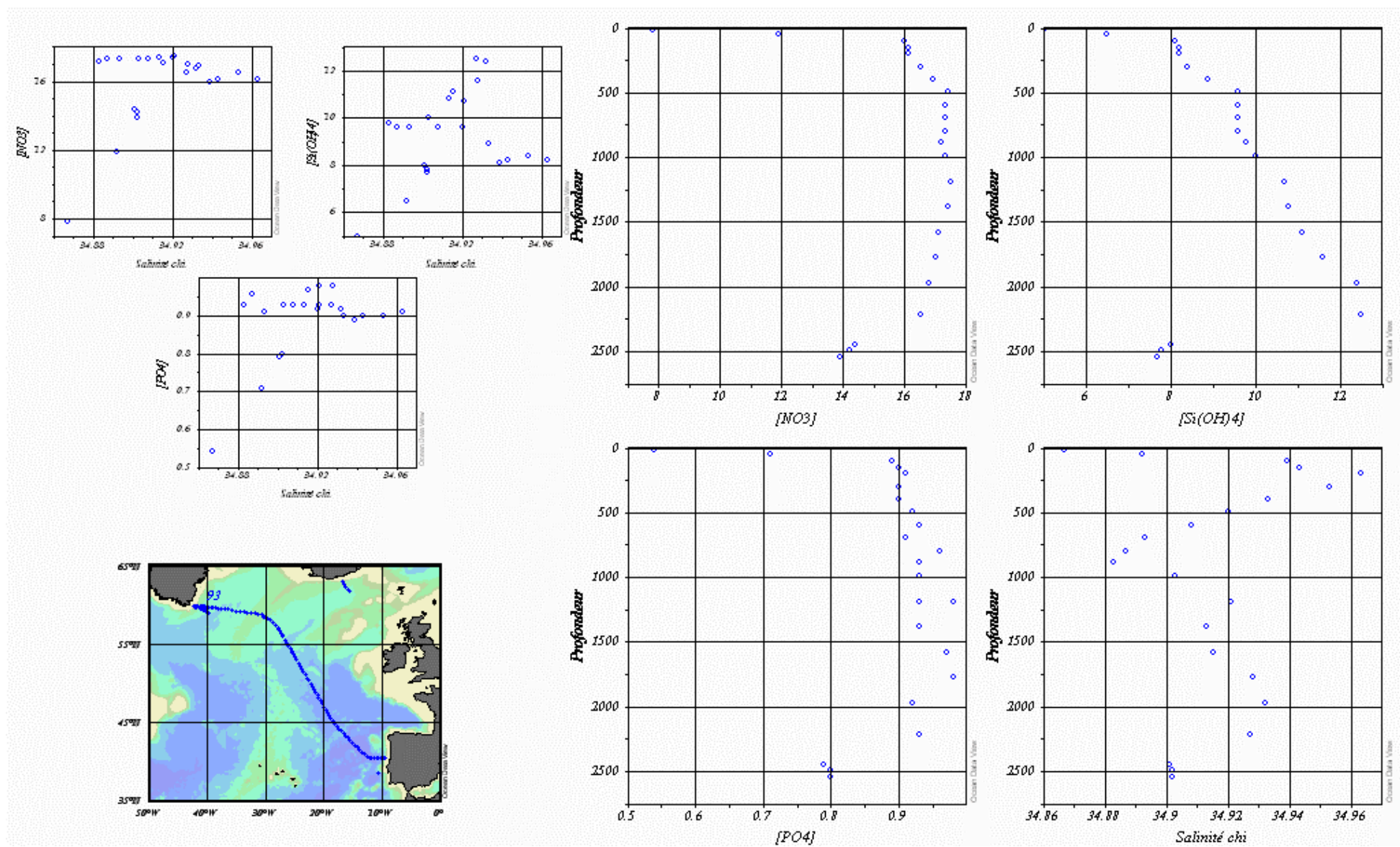
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
92	26	9.5	-9.4	6.518	34.876	34.875	7.046	8.0	4.7	0.60				
92	25	50.1	-49.6	6.489	34.877	34.879	6.976	9.1	5.1	0.65				
92	24	98.9	-97.9	4.767	34.894		6.813	16.0	7.9	0.99				
92	23	149.2	-147.7	4.912	34.950	34.949	6.701	16.3	8.0	0.97				
92	22	199.4	-197.4	5.060	34.985	34.985	6.712	16.0	7.8	0.96				
92	21	299.2	-296.2	4.804	34.962	34.960	6.807	16.4	8.1	0.99	4.58	4.79	0.30	5.14
92	20	399.0	-394.9	4.561	34.941	34.940	6.617	17.0	8.6	0.99				
92	19	499.1	-493.8	4.248	34.923	34.921	6.449	17.6	9.3	0.98	6.39	3.35	0.43	4.98
92	18	598.9	-592.4	3.991	34.909	34.916	6.493	17.1	9.1	1.01		6.19	0.33	4.34
92	17	699.3	-691.6	3.786	34.897	34.895	6.523	17.4	9.4	1.02	6.38	3.81	0.26	4.74
92	16							17.2	9.2	1.02				
92	15	899.0	-888.6	3.540	34.881	34.878	6.659	17.3	9.3	1.01				
92	14	998.6	-986.8	3.464	34.877	34.877	6.67	17.3	9.4	1.01	6.24	8.28	0.26	4.78
92	13	1199.6	-1184.9	3.462	34.901	34.899	6.471	17.6	10.3	1.03	4.94	6.98	0.27	3.82
92	12	1399.0	-1381.2	3.379	34.917	34.915	6.439	17.8	10.7	1.02	4.46	2.14	0.18	3.73
92	11	1599.0	-1577.9	3.221	34.913	34.919	6.529	17.2	10.9	1.01		2.37	0.34	4.49
92	10	1799.2	-1774.6	3.115	34.919	34.916	6.501	17.4	10.9	1.02		1.67	0.24	4.21
92	9	1799.5	-1774.9	3.112	34.918	34.917	6.476	17.4	10.9	1.04				
92	8	1999.5	-1971.3	2.952	34.919	34.919	6.507	16.9	10.8	0.96	4.00	4.54	0.28	3.70
92	7	2249.3	-2216.2	2.735	34.929	34.927	6.474	17.3	12.3	0.98	3.47	1.63	0.16	3.41
92	6	2499.3	-2461.1	2.139	34.909	34.906	6.71	15.7	10.6	0.93	5.45	2.44	0.29	4.06
92	5	2583.3	-2543.4	1.782	34.905	34.901	6.794	15.2	9.4	0.89	5.99	3.85	0.28	4.87
92	4	2631.8	-2590.8	1.456	34.901	34.904	6.927	14.6	8.5	0.83	5.92	3.34	0.32	4.72
92	3	2684.7	-2642.6	1.409	34.906	34.902	6.932	14.2	8.5	0.84	5.39	3.41	0.32	4.23

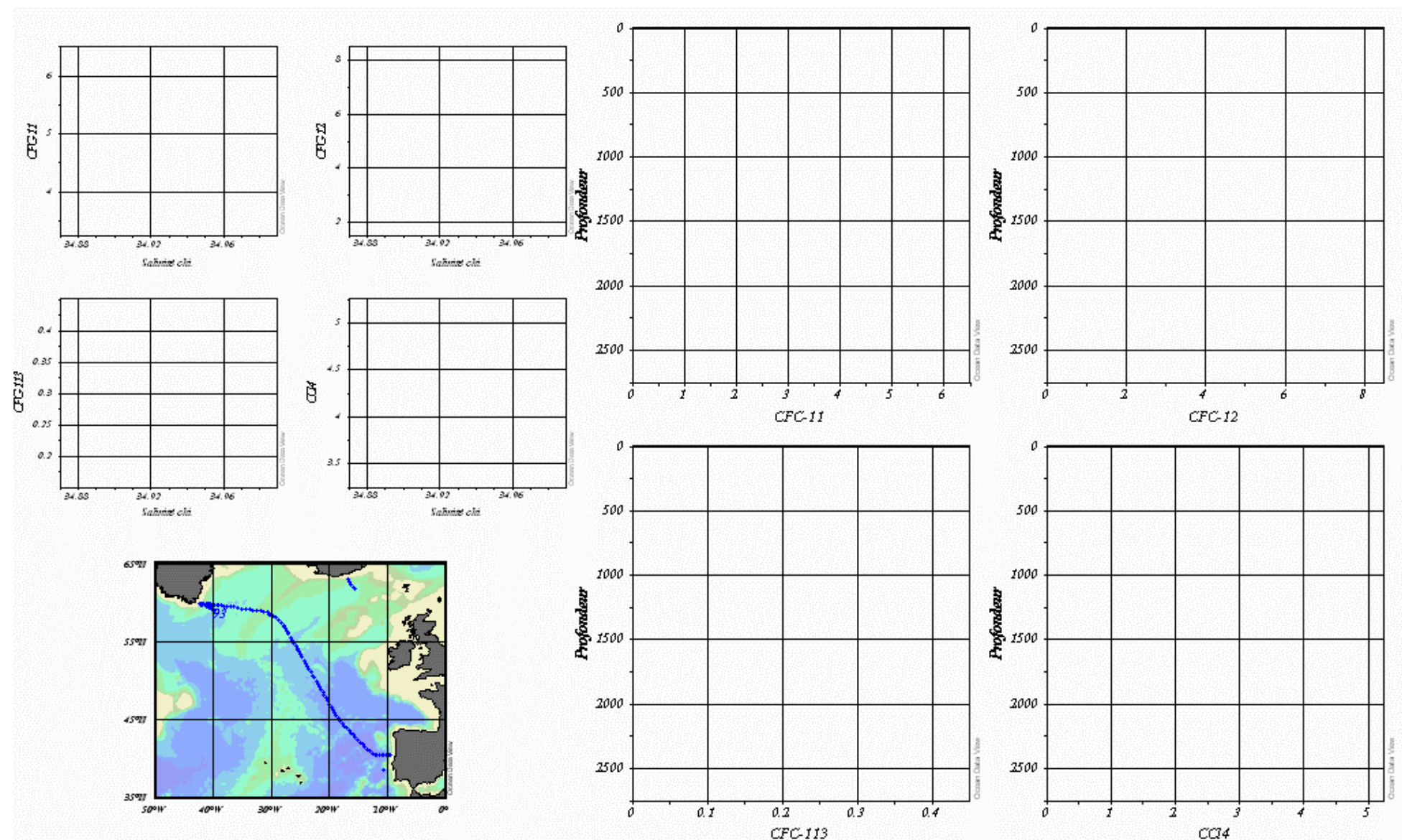




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
93	16/06/2006	06:57:13	59:44:41 N	40:35:85 W	2563m

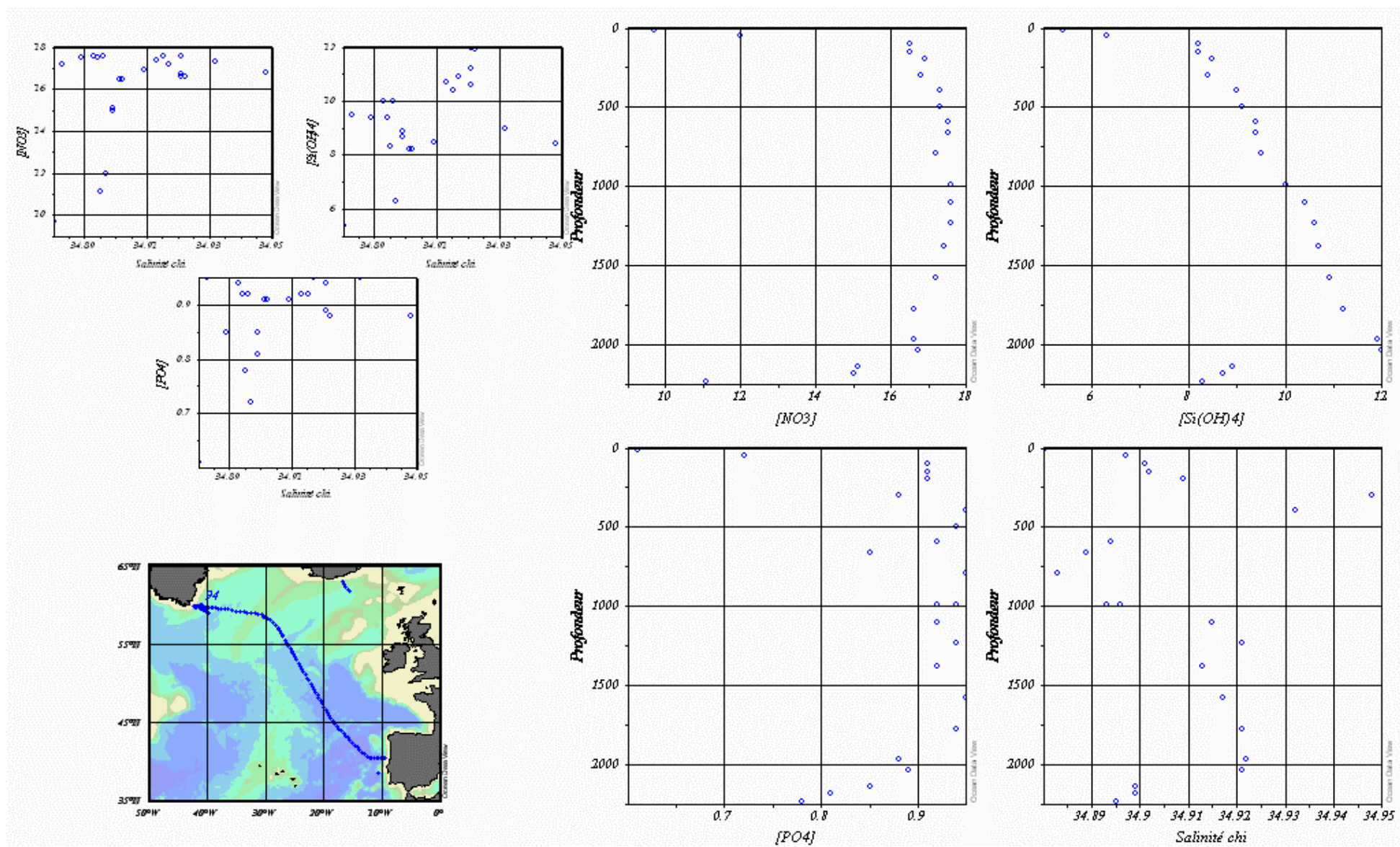
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
93	25	16.1	-15.9	6.698	34.864	34.867	6.991	7.8	5.0	0.54				
93	24	49.8	-49.3	6.551	34.872	34.892	6.815	11.9	6.5	0.71				
93	23	100.2	-99.2	4.931	34.934	34.939	6.672	16.0	8.1	0.89				
93	22	150.1	-148.6	4.835	34.940	34.943	6.797	16.1	8.2	0.90				
93	21	200.7	-198.7	4.835	34.958	34.963	6.779	16.1	8.2	0.91				
93	20	299.4	-296.4	4.713	34.951	34.953	6.711	16.5	8.4	0.90				
93	19	399.9	-395.8	4.474	34.935	34.933	6.521	16.9	8.9	0.90				
93	18	499.9	-494.6	4.161	34.921	34.920	6.4	17.4	9.6	0.92				
93	17	600.4	-593.9	3.917	34.908	34.908	6.421	17.3	9.6	0.93				
93	16	699.1	-691.4	3.705	34.893	34.893	6.52	17.3	9.6	0.91				
93	15	802.6	-793.5	3.579	34.887	34.887	6.566	17.3	9.6	0.96				
93	14	898.7	-888.3	3.491	34.886	34.883	6.554	17.2	9.8	0.93				
93	13	999.6	-987.8	3.537	34.904	34.903	6.457	17.3	10.0	0.93				
93	12	1199.6	-1184.9	3.460	34.921	34.921	6.373	17.5	10.7	0.98				
93	11	1200.6	-1185.9	3.458	34.922	34.921	6.37	17.5	10.7	0.93				
93	10	1399.9	-1382.1	3.229	34.911	34.913	6.453	17.4	10.8	0.93				
93	9	1599.8	-1578.7	3.084	34.916	34.915	6.483	17.1	11.1	0.97				
93	8	1799.5	-1774.9	2.995	34.927	34.928	6.447	17.0	11.6	0.98				
93	7	2000.6	-1972.3	2.841	34.933	34.932	6.422	16.8	12.4	0.92				
93	6	2249.7	-2216.6	2.554	34.926	34.927	6.47	16.5	12.5	0.93				
93	5	2483.7	-2445.9	1.866	34.903	34.901	6.919	14.4	8.0	0.79				
93	4	2535.0	-2496.1	1.751	34.903	34.902	6.942	14.2	7.8	0.80				
93	3	2584.5	-2544.5	1.632	34.902	34.902	6.986	13.9	7.7	0.80				

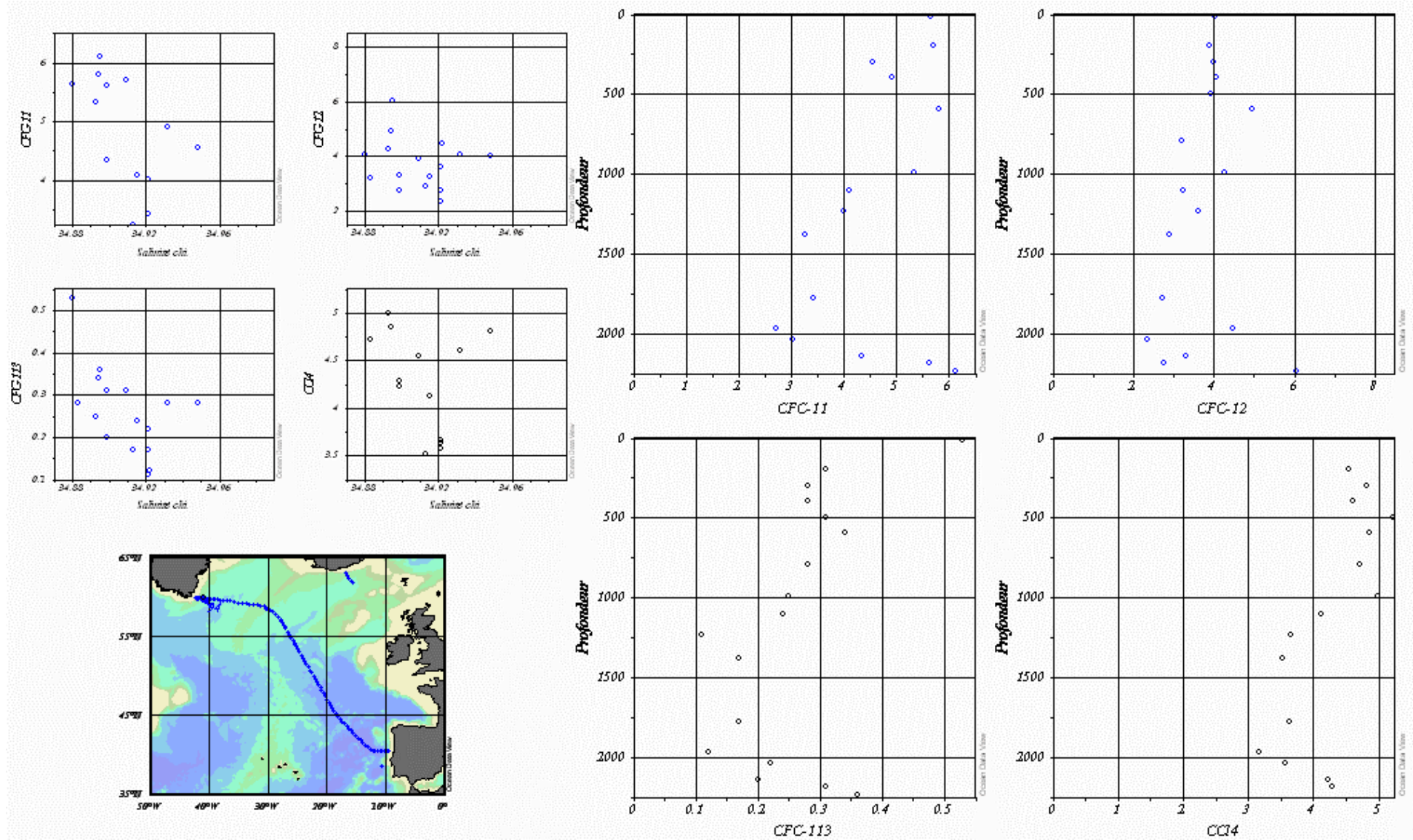




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
94	16/06/2006	10:33:08	59:45:30 N	40:57:01 W	2252m

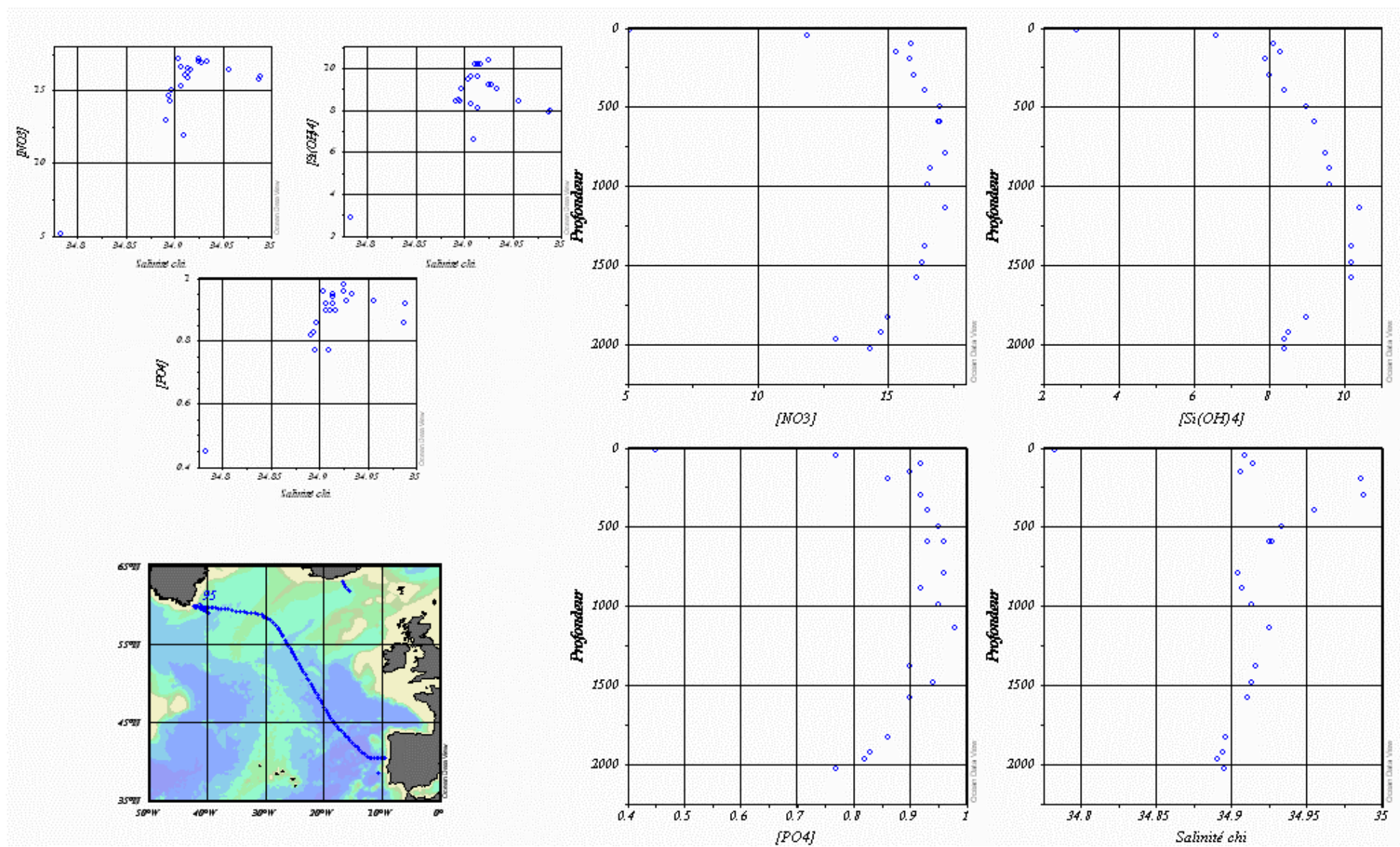
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
94	25	11.7	-11.6	6.744	34.880	34.880	6.949	9.7	5.4	0.61	5.64	4.04	0.53	5.90
94	24	50.2	-49.7	6.203	34.901	34.897	6.855	12.0	6.3	0.72				
94	23	99.2	-98.2	4.748	34.902	34.901	6.752	16.5	8.2	0.91				
94	22	149.9	-148.4	4.618	34.902	34.902	6.809	16.5	8.2	0.91				
94	21	198.6	-196.6	4.534	34.907	34.909	6.684	16.9	8.5	0.91	5.71	3.89	0.31	4.54
94	20	299.9	-296.9	4.661	34.948	34.948	6.719	16.8	8.4	0.88	4.55	4.00	0.28	4.81
94	19	400.1	-396.0	4.403	34.931	34.932	6.464	17.3	9.0	0.95	4.92	4.05	0.28	4.61
94	18	500.4	-495.1	4.097	34.911		6.526	17.3	9.1	0.94		3.92	0.31	5.21
94	17	598.9	-592.4	3.852	34.895	34.894	6.511	17.5	9.4	0.92	5.81	4.94	0.34	4.85
94	16	668.6	-661.2	3.708	34.888	34.889	6.567	17.5	9.4	0.85				
94	15	800.2	-791.1	3.577	34.885	34.883	6.574	17.2	9.5	0.95		3.21	0.28	4.72
94	14	999.5	-987.7	3.479	34.896	34.896	6.513	17.6	10.0	0.92				
94	13	1000.8	-989.0	3.480	34.896	34.893	6.494	17.6	10.0	0.94	5.33	4.28	0.25	4.99
94	12	1119.9	-1106.4	3.507	34.917	34.915	6.386	17.6	10.4	0.92	4.09	3.23	0.24	4.12
94	11	1248.3	-1232.9	3.421	34.923	34.921	6.407	17.6	10.6	0.94	4.01	3.63	0.11	3.66
94	10	1399.5	-1381.7	3.239	34.915	34.913	6.449	17.4	10.7	0.92	3.25	2.88	0.17	3.52
94	9	1599.4	-1578.3	3.078	34.916	34.917	6.484	17.2	10.9	0.95				
94	8	1800.9	-1776.3	2.870	34.920	34.921	6.495	16.6	11.2	0.94	3.43	2.74	0.17	3.63
94	7	1999.7	-1971.5	2.656	34.924	34.922	6.485	16.6	11.9	0.88	2.71	4.47	0.12	3.17
94	6	2070.0	-2040.4	2.560	34.922	34.921	6.525	16.7	12.0	0.89	3.02	2.35	0.22	3.57
94	5	2170.4	-2138.9	2.205	34.899	34.899	6.819	15.1	8.9	0.85	4.34	3.30	0.20	4.23
94	4	2219.1	-2186.6	2.156	34.899	34.899	6.858	15.0	8.7	0.81	5.61	2.75	0.31	4.28
94	3	2270.2	-2236.7	2.067	34.896	34.895	6.892	11.1	8.3	0.78	6.11	6.06	0.36	5.60





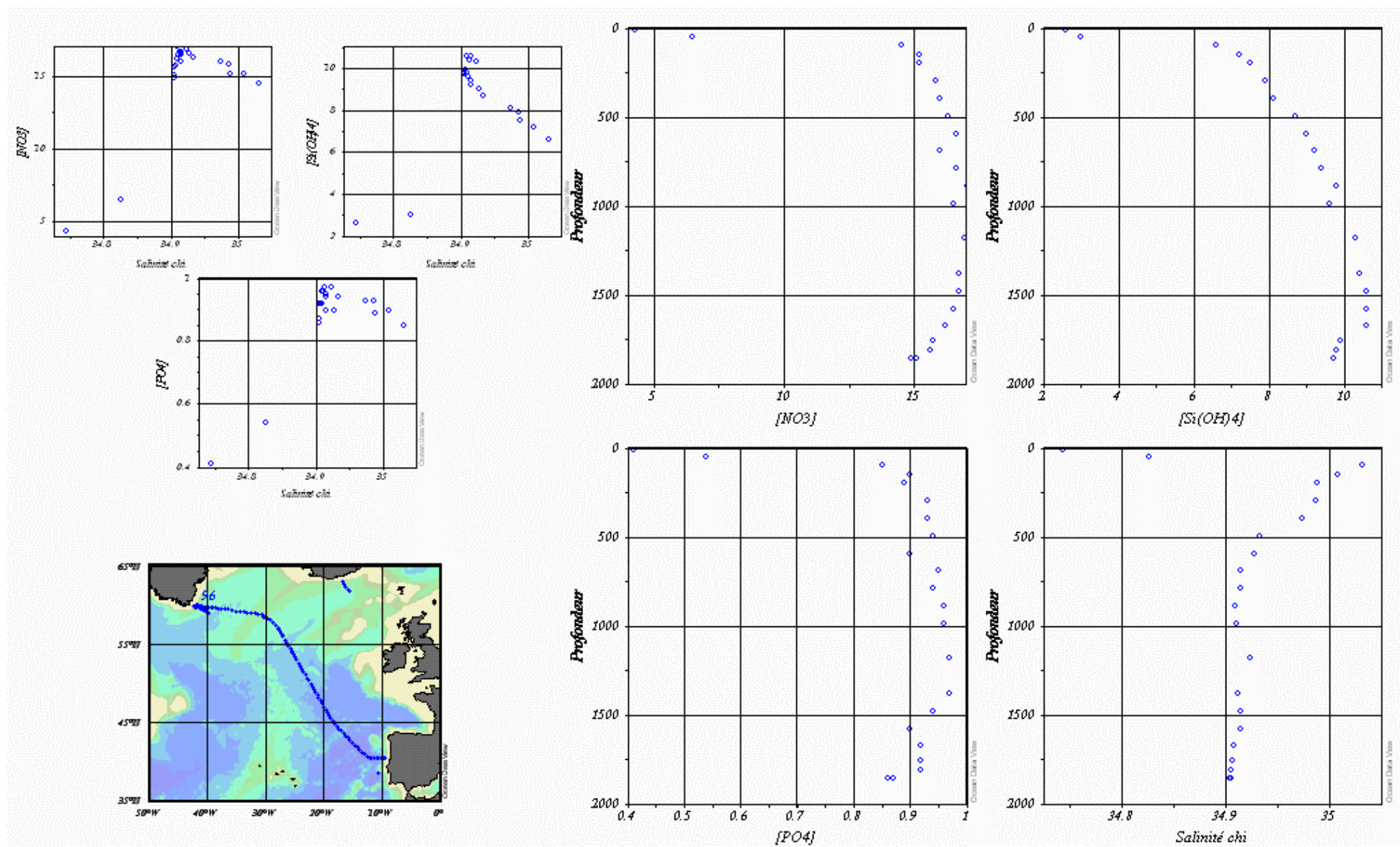
Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
95	16/06/2006	13:54:47	59:46:22 N	41:18:07 W	2044m

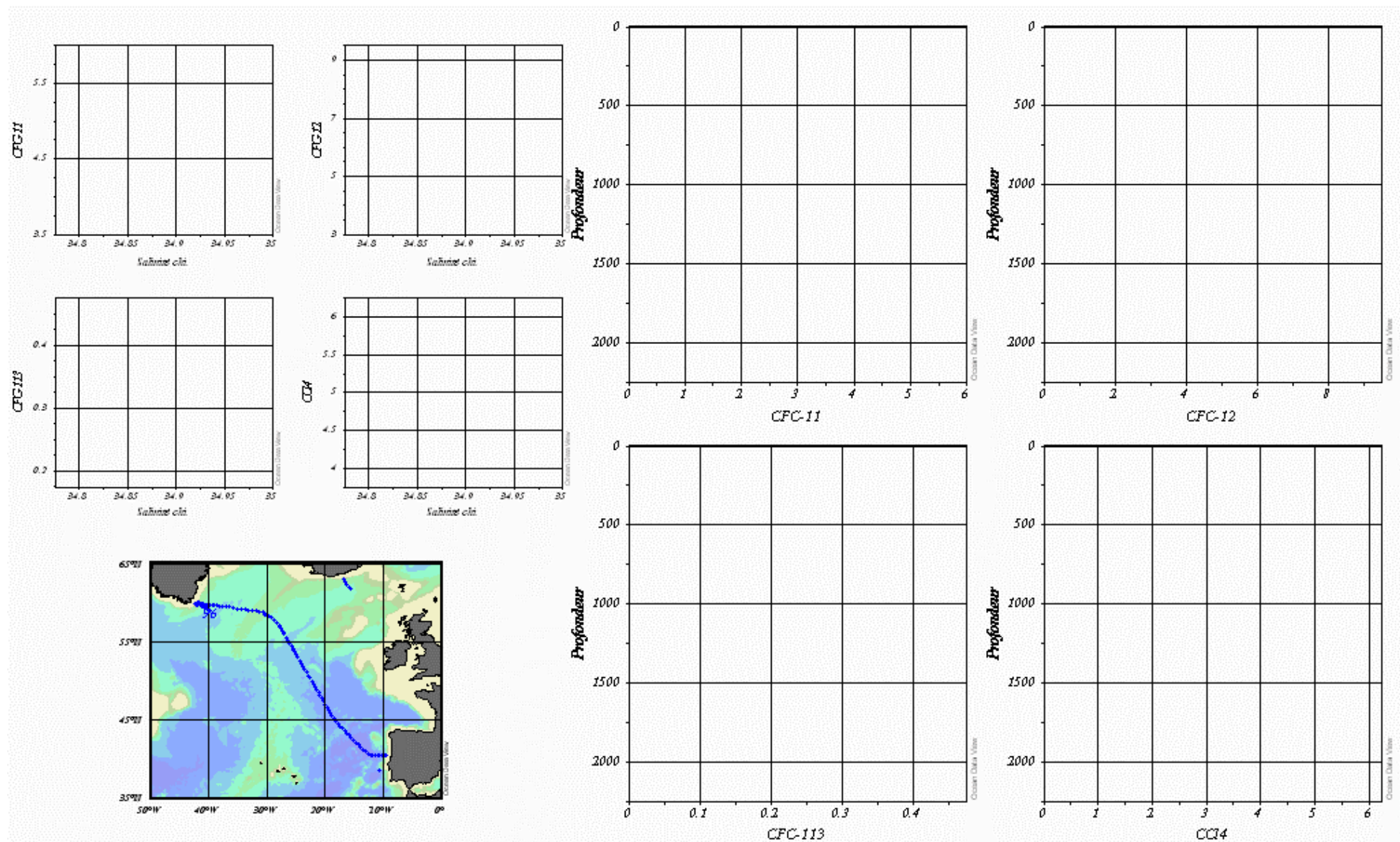
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
95	24	11.9	-11.8	6.534	34.786	34.783	7.334	5.1	2.9	0.45	5.77	9.45	0.47	6.03
95	23	50.5	-50.0	6.010	34.852	34.909	6.848	11.9	6.6	0.77				
95	22	100.2	-99.2	4.902	34.912	34.914	6.772	15.9	8.1	0.92				
95	21	151.1	-149.6	4.682	34.904	34.906	6.787	15.3	8.3	0.90				
95	20	199.6	-197.6	5.080	34.987	34.986	6.741	15.8	7.9	0.86	5.65	5.03	0.32	5.51
95	19	300.6	-297.6	5.021	34.987	34.988	6.759	16.0	8.0	0.92				
95	18	398.0	-393.9	4.728	34.955	34.955	6.649	16.4	8.4	0.93	5.26	4.41	0.38	4.99
95	17	500.5	-495.2	4.465	34.932	34.933	6.532	17.0	9.0	0.95	5.94	5.93	0.37	4.91
95	16	599.6	-593.1	4.244	34.926	34.927	6.388	16.9	9.2	0.93				
95	15	599.8	-593.3	4.237	34.926	34.925	6.411	17.0	9.2	0.96	5.20	4.08	0.35	4.88
95	14	699.6	-691.8	4.005	34.914		6.476							
95	13	801.3	-792.2	3.798	34.902	34.904	6.511	17.2	9.5	0.96	4.74	3.77	0.25	4.51
95	12	900.2	-889.8	3.669	34.906	34.907	6.518	16.6	9.6	0.92				
95	11	999.9	-988.1	3.567	34.914	34.913	6.45	16.5	9.6	0.95	5.83	7.75	0.41	4.41
95	10	1151.3	-1137.3	3.503	34.926	34.925	6.405	17.2	10.4	0.98	3.69	3.34	0.20	3.84
95	9	1400.1	-1382.3	3.200	34.914	34.916	6.511	16.4	10.2	0.90	3.76	5.96	0.18	3.92
95	8	1501.4	-1481.9	3.018	34.913	34.913	6.559	16.3	10.2	0.94	4.38	5.92	0.26	4.63
95	7	1598.6	-1577.5	2.868	34.911	34.911	6.589	16.1	10.2	0.90	4.12	4.29	0.22	4.32
95	6	1852.0	-1826.5	2.410	34.895	34.896	7.048	15.0	9.0	0.86	4.59	4.49	0.34	4.91
95	5	1950.4	-1923.1	2.274	34.893	34.894	6.871	14.7	8.5	0.83	5.58	4.66	0.36	5.51
95	4	2000.0	-1971.8	2.211	34.893	34.891	6.881	13.0	8.4	0.82	4.12	6.75	0.26	4.25
95	3	2059.0	-2029.6	2.168	34.892	34.895	6.889	14.3	8.4	0.77	5.04		0.37	5.01



Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
96	16/06/2006	16:45:11	59:47:21 N	41:38:92 W	1875m

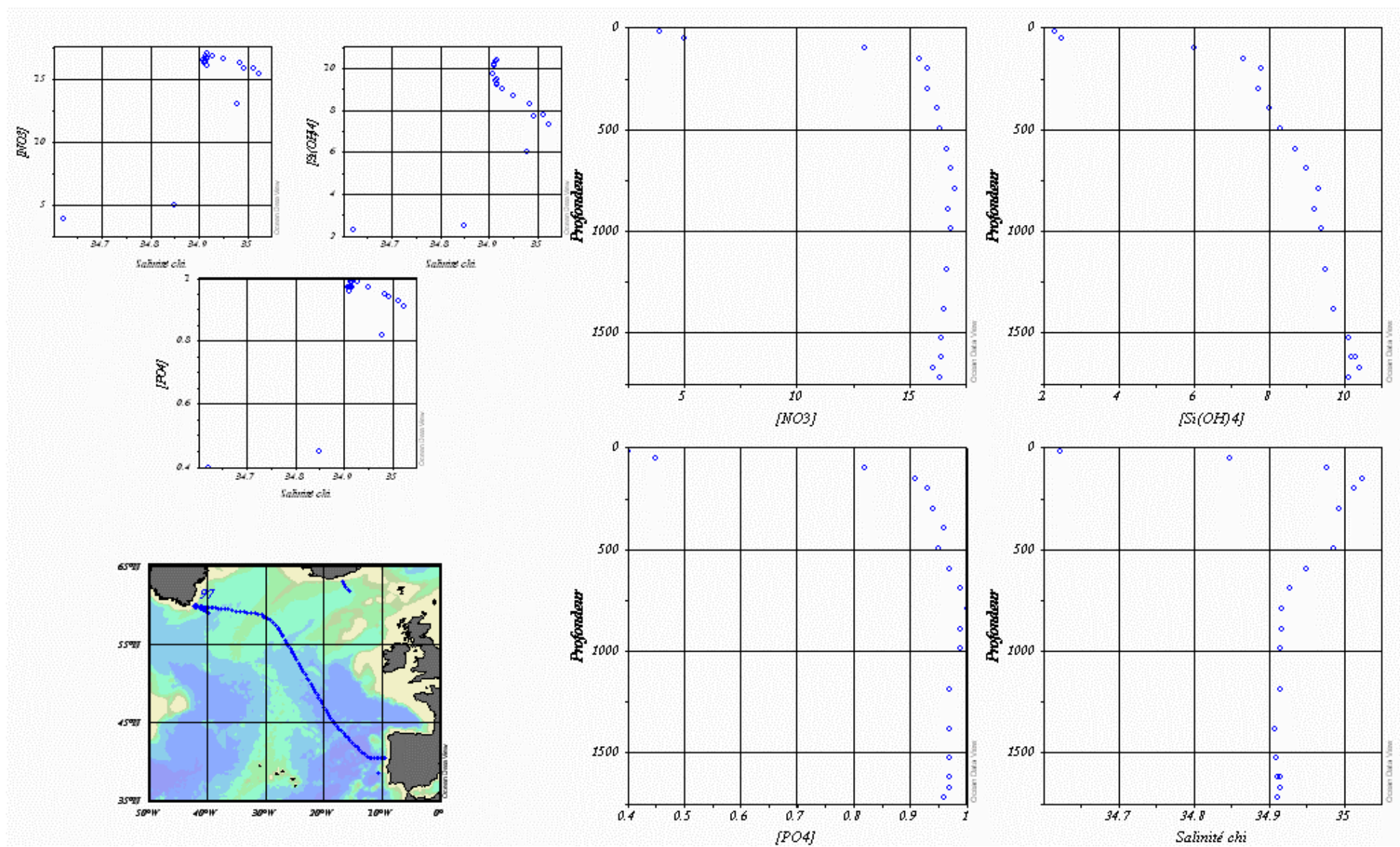
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
96	24	14.3	-14.2	6.289	34.743	34.744	7.479	4.3	2.6	0.41				
96	23	50.3	-49.8	6.192	34.806	34.826	7.262	6.5	3.0	0.54				
96	22	100.3	-99.3	5.998	35.028	35.031	6.617	14.5	6.6	0.85				
96	21	149.7	-148.2	5.675	35.009	35.008	6.635	15.2	7.2	0.90				
96	20	199.6	-197.6	5.358	34.989	34.988	6.595	15.2	7.5	0.89				
96	19	300.1	-297.1	5.092	34.985	34.987	6.724	15.8	7.9	0.93				
96	18	400.7	-396.5	4.936	34.978	34.973	6.705	16.0	8.1	0.93				
96	17	500.4	-495.1	4.480	34.933	34.933	6.503	16.3	8.7	0.94				
96	16	600.0	-593.5	4.216	34.926	34.927	6.432	16.6	9.0	0.90				
96	15	699.1	-691.4	3.935	34.914	34.915	6.453	16.0	9.2	0.95				
96	14	800.5	-791.4	3.755	34.914	34.914	6.478	16.6	9.4	0.94				
96	13	898.8	-888.4	3.602	34.910	34.909	6.479	17.0	9.8	0.96				
96	12	998.9	-987.1	3.526	34.911	34.911	6.547	16.5	9.6	0.96				
96	11	1198.9	-1184.2	3.373	34.921	34.923	6.471	16.9	10.3	0.97				
96	10	1398.8	-1381.0	3.100	34.912	34.912	6.555	16.7	10.4	0.97				
96	9	1500.2	-1480.8	3.007	34.914	34.915	6.559	16.7	10.6	0.94				
96	8	1599.6	-1578.5	2.926	34.916	34.914	6.576	16.5	10.6	0.90				
96	7	1698.7	-1675.9	2.768	34.910	34.908	6.629	16.2	10.6	0.92				
96	6	1785.7	-1761.4	2.589	34.906	34.906	6.709	15.7	9.9	0.92				
96	5	1835.9	-1810.7	2.539	34.905	34.905	6.73	15.6	9.8	0.92				
96	4	1885.0	-1858.9	2.538	34.905	34.905	6.721	14.9	9.7	0.87				
96	3	1884.7	-1858.6	2.538	34.905	34.904	6.701	15.1	9.7	0.86				

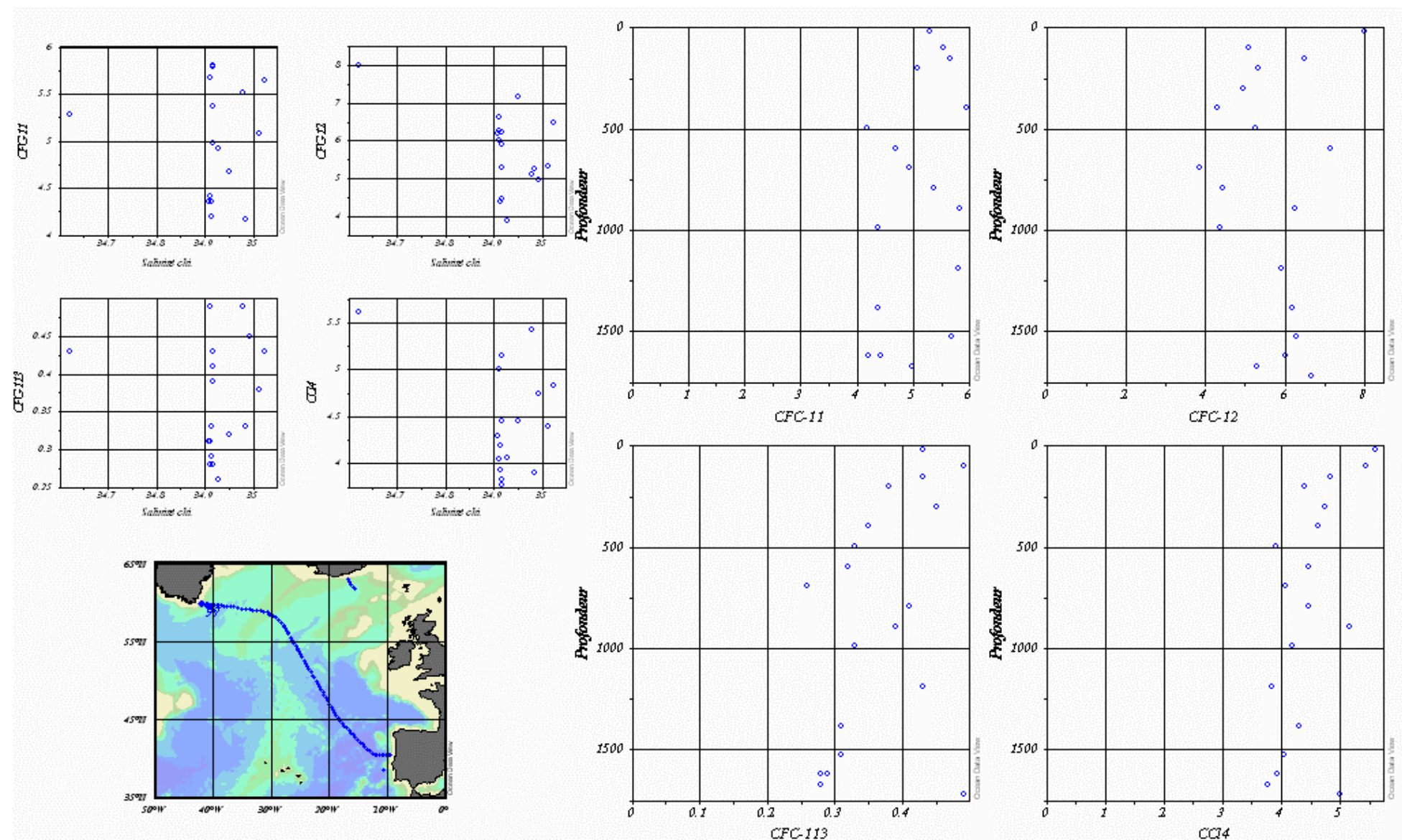




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
97	16/06/2006	20:12:23	59:51:96 N	41:56:61 W	1734m

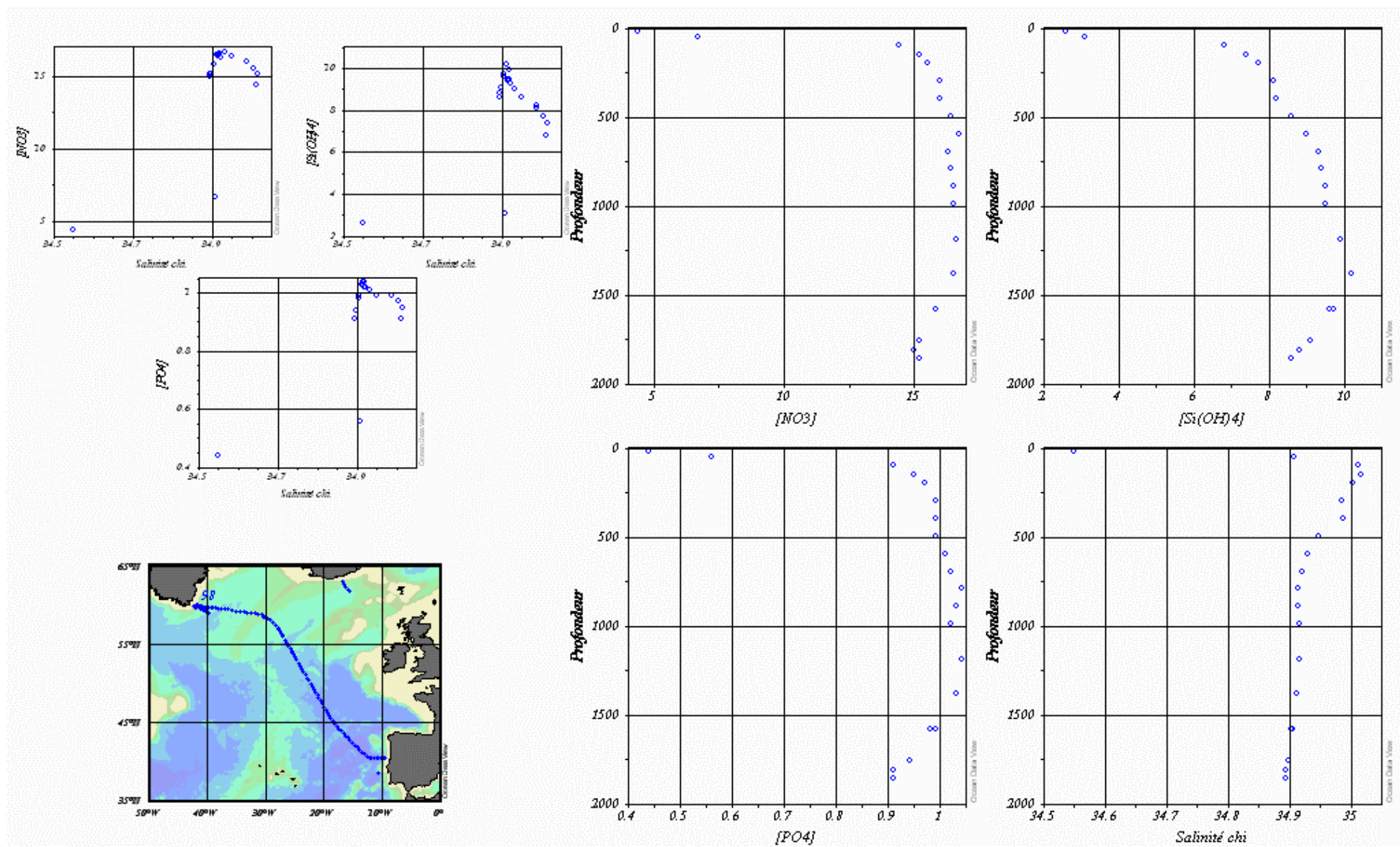
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
97	23	15.8	-15.7	5.927	34.578	34.622	7.594	3.9	2.3	0.40	5.28	8.02	0.43	5.61
97	22	50.0	-49.5	6.567	34.838	34.848	7.327	5.0	2.5	0.45				
97	21	100.5	-99.5	5.863	34.973	34.977	6.753	13.0	6.0	0.82	5.52	5.10	0.49	5.43
97	20	150.1	-148.6	5.773	35.016	35.024	6.577	15.4	7.3	0.91	5.64	6.48	0.43	4.83
97	19	200.7	-198.7	5.531	35.010	35.012	6.582	15.8	7.8	0.93	5.08	5.32	0.38	4.39
97	18	299.9	-296.9	5.190	34.990	34.993	6.658	15.8	7.7	0.94		4.96	0.45	4.75
97	16	400.5	-396.3	5.050	34.982		6.643	16.2	8.0	0.96	5.93	4.30	0.35	4.62
97	15	500.5	-495.2	4.718	34.946	34.985	6.506	16.3	8.3	0.95	4.17	5.25	0.33	3.90
97	14	599.5	-593.0	4.466	34.929	34.950	6.587	16.6	8.7	0.97	4.68	7.16	0.32	4.46
97	13	700.6	-692.8	4.236	34.924	34.928	6.39	16.8	9.0	0.99	4.92	3.87	0.26	4.06
97	12	801.1	-792.0	3.925	34.910	34.916	6.417	17.0	9.3	1.00	5.37	4.45	0.41	4.46
97	11	900.3	-889.9	3.786	34.909	34.916	6.455	16.7	9.2	0.99	5.81	6.25	0.39	5.15
97	10	999.9	-988.1	3.668	34.908	34.914	6.463	16.8	9.4	0.99	4.36	4.37	0.33	4.19
97	9	1200.3	-1185.6	3.399	34.909	34.915	6.496	16.6	9.5	0.97	5.79	5.92	0.43	3.83
97	8	1400.2	-1382.4	3.109	34.903	34.907	6.562	16.5	9.7	0.97	4.36	6.20	0.31	4.30
97	7	1542.7	-1522.5	2.988	34.905	34.910	6.566	16.4	10.1	0.97	5.67	6.28	0.31	4.05
97	6	1643.6	-1621.7	2.926	34.906	34.914	6.568	16.4	10.3	0.97	4.20		0.29	3.93
97	5	1643.6	-1621.7	2.926	34.906	34.912	6.555	16.4	10.2	0.97	4.41	6.00	0.28	
97	4	1693.5	-1670.8	2.871	34.906	34.915	6.552	16.0	10.4	0.97	4.98	5.28	0.28	3.77
97	3	1742.8	-1719.2	2.760	34.906	34.912	6.624	16.3	10.1	0.96		6.65	0.49	5.00

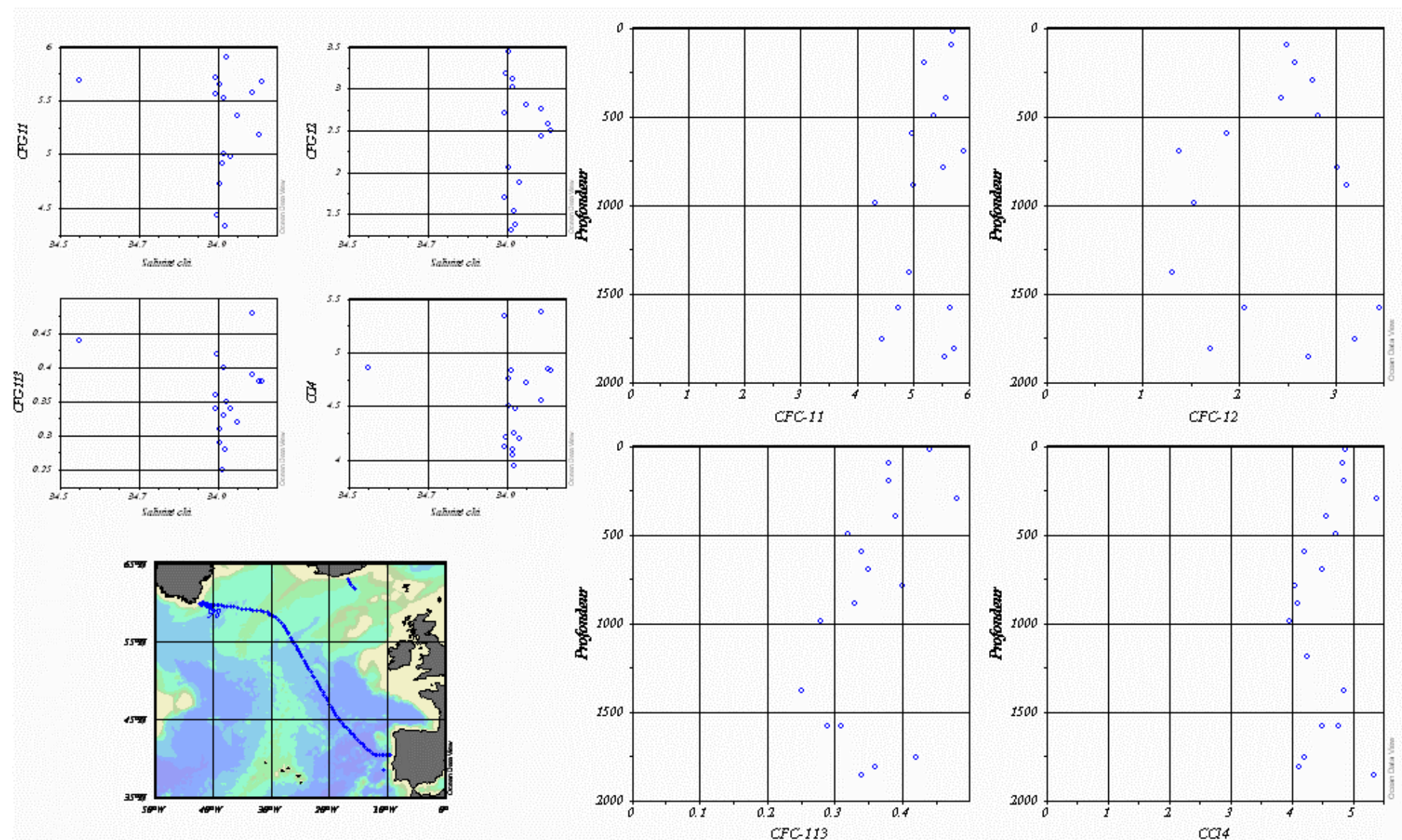




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
98	17/06/2006	06:23:44	59:47:21 N	41:38:71 W	1876m

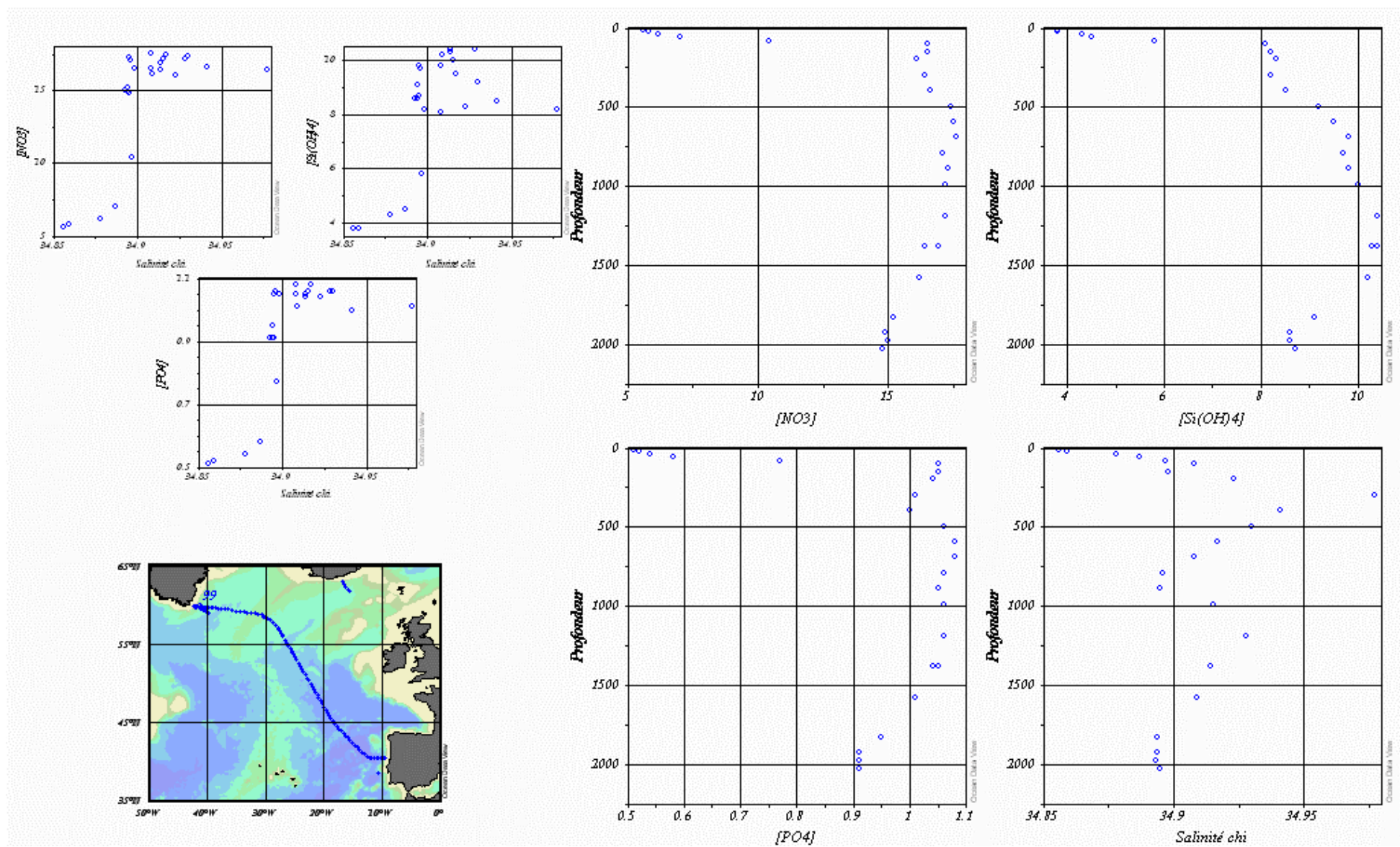
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
98	22	15.9	-15.7	5.874	34.525	34.549	7.319	4.4	2.6	0.44	5.69		0.44	4.86
98	21	49.8	-49.3	6.454	34.902	34.906	7.176	6.7	3.1	0.56				
98	20	100.7	-99.7	5.782	35.004	35.011	6.643	14.4	6.8	0.91	5.68	2.49	0.38	4.83
98	19	150.1	-148.6	5.627	35.013	35.015	6.555	15.2	7.4	0.95				
98	18	199.9	-197.9	5.429	34.996	35.003	6.586	15.5	7.7	0.97	5.18	2.58	0.38	4.85
98	17	299.8	-296.8	5.087	34.983	34.985	6.717	16.0	8.1	0.99		2.76	0.48	5.38
98	16	400.0	-395.9	5.004	34.986	34.986	6.676	16.0	8.2	0.99	5.58	2.44	0.39	4.55
98	15	500.3	-495.0	4.622	34.940	34.947	6.476	16.4	8.6	0.99	5.36	2.81	0.32	4.72
98	14	600.6	-594.1	4.306	34.929	34.930	6.412	16.7	9.0	1.01	4.98	1.87	0.34	4.20
98	13	700.6	-692.8	4.022	34.918	34.920	6.435	16.3	9.3	1.02	5.90	1.38	0.35	4.48
98	12	800.5	-791.4	3.803	34.912	34.914	6.463	16.4	9.4	1.04	5.53	3.02	0.40	4.05
98	11	900.4	-890.0	3.655	34.911	34.914	6.481	16.5	9.5	1.03	5.00	3.11	0.33	4.10
98	10	999.7	-987.9	3.546	34.911	34.916	6.489	16.5	9.5	1.02	4.33	1.53	0.28	3.95
98	9	1200.2	-1185.5	3.314	34.911	34.916	6.505	16.6	9.9	1.04				4.25
98	8	1399.5	-1381.7	3.080	34.908	34.912	6.544	16.5	10.2	1.03	4.92	1.31	0.25	4.84
98	7	1599.8	-1578.7	2.778	34.902	34.904	6.664	15.8	9.7	0.98	5.65	3.45	0.31	4.76
98	6	1599.2	-1578.1	2.781	34.902	34.903	6.663	15.8	9.6	0.99	4.73	2.05	0.29	4.50
98	5	1785.8	-1761.5	2.405	34.893	34.898	6.786	15.2	9.1	0.94	4.44	3.19	0.42	4.21
98	4	1836.6	-1811.4	2.258	34.884	34.894	6.832	15.0	8.8	0.91	5.72	1.70	0.36	4.12
98	3	1885.4	-1859.3	2.223	34.890	34.894	6.858	15.2	8.6	0.91	5.56	2.71	0.34	5.34

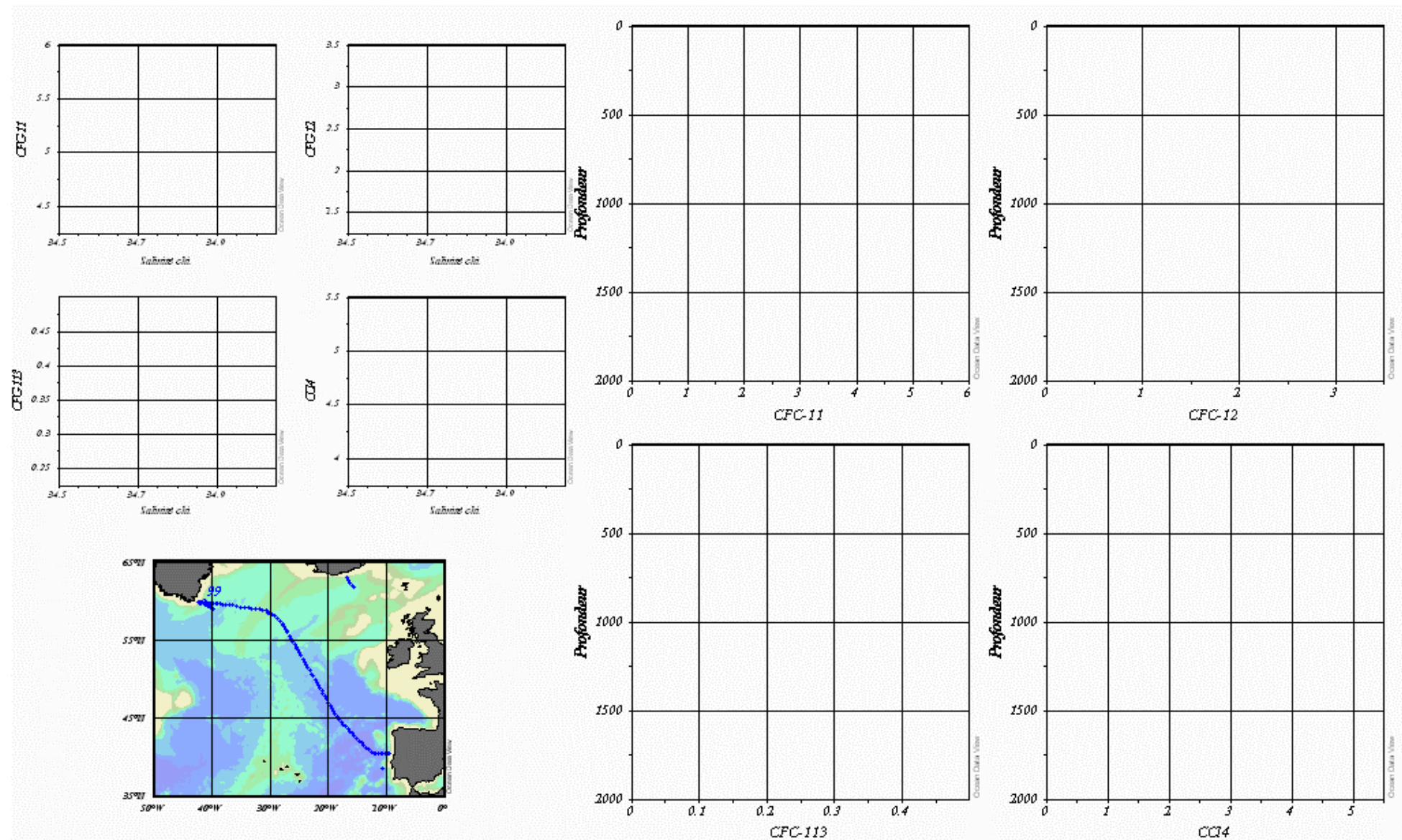




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
99	17/06/2006	09:22:30	59:46:26 N	41:17:97 W	2046m

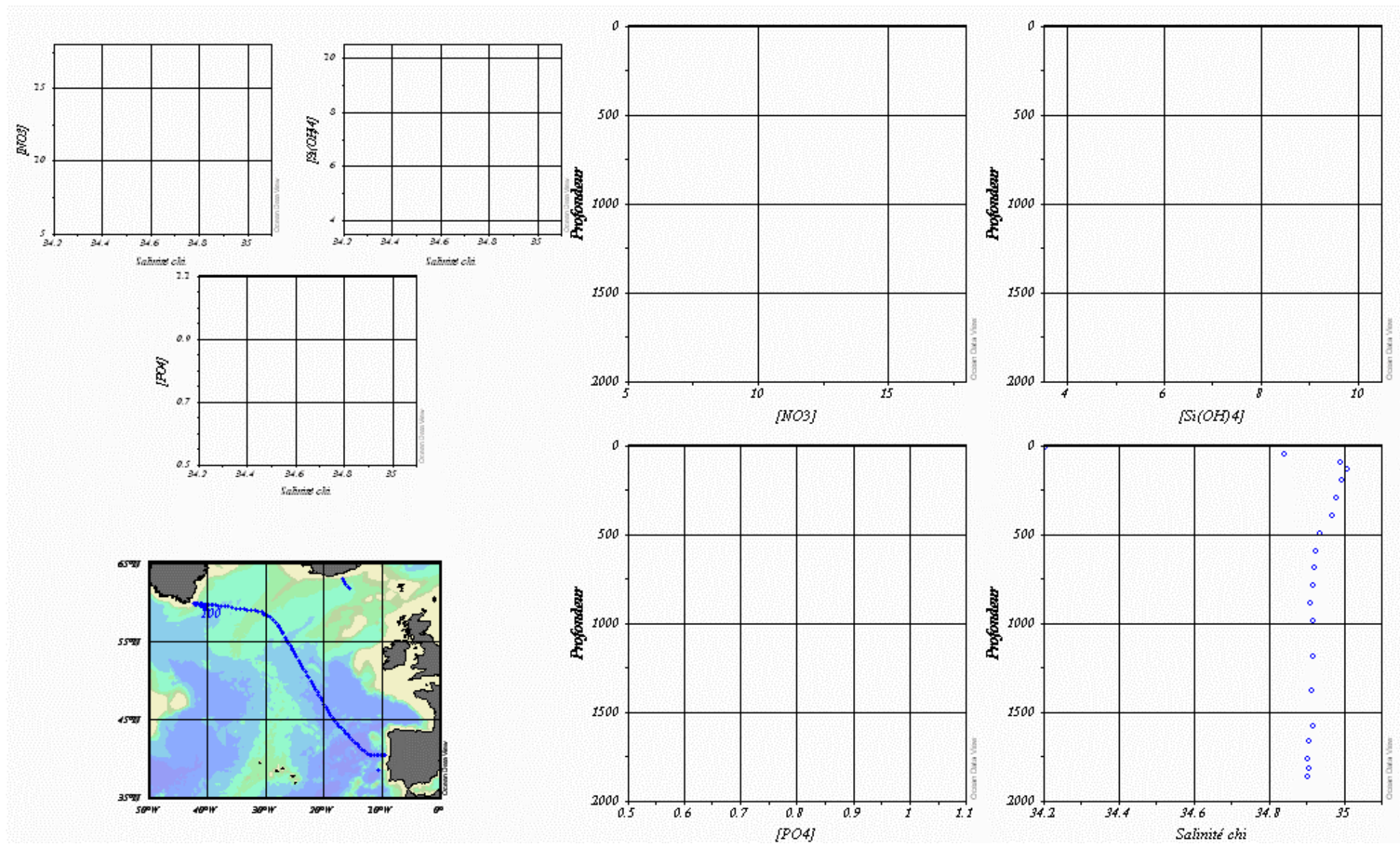
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
99	26	16.3	-16.1	6.613	34.856	34.856	7.123	5.6	3.8	0.51				
99	25	21.4	-21.2	6.611	34.859	34.859	7.125	5.8	3.8	0.52				
99	24	40.3	-39.9	6.566	34.880	34.878	7.049	6.2	4.3	0.54				
99	23	58.4	-57.8	6.539	34.882	34.887	7.013	7.0	4.5	0.58				
99	22	80.7	-79.9	6.128	34.883	34.897	6.873	10.4	5.8	0.77				
99	21	99.5	-98.5	5.033	34.908	34.908	6.603	16.5	8.1	1.05				
99	20	150.4	-148.9	4.749	34.897	34.898	6.801	16.5	8.2	1.05				
99	19	198.1	-196.1	4.732	34.913	34.923	6.728	16.1	8.3	1.04				
99	18	298.8	-295.8	4.954	34.978	34.977	6.796	16.4	8.2	1.01				
99	17	399.3	-395.2	4.603	34.941	34.941	6.606	16.6	8.5	1.00				
99	16	499.5	-494.2	4.360	34.928	34.930	6.459	17.4	9.2	1.06				
99	15	600.5	-594.0	4.127	34.915	34.917	6.424	17.5	9.5	1.08				
99	14	698.9	-691.2	3.887	34.908	34.908	6.407	17.6	9.8	1.08				
99	13	799.9	-790.8	3.701	34.897	34.896		17.1	9.7	1.06				
99	12	901.0	-890.6	3.563	34.893	34.895	6.504	17.3	9.8	1.05				
99	11	1000.2	-988.4	3.579	34.915	34.915	6.431	17.2	10.0	1.06				
99	10	1200.9	-1186.2	3.469	34.927	34.928	6.392	17.2	10.4	1.06				
99	9	1400.4	-1382.6	3.187	34.912	34.914	6.522	16.9	10.4	1.05				
99	8	1400.1	-1382.3	3.182	34.913	34.914	6.515	16.4	10.3	1.04				
99	7	1600.1	-1579.0	2.880	34.909	34.909	6.603	16.2	10.2	1.01				
99	6	1858.2	-1832.6	2.355	34.896	34.894	6.794	15.2	9.1	0.95				
99	5	1955.0	-1927.6	2.187	34.892	34.894	6.874	14.9	8.6	0.91				
99	4	2003.9	-1975.6	2.165	34.893	34.893	6.876	15.0	8.6	0.91				
99	3	2058.1	-2028.8	2.166	34.893	34.895	6.885	14.8	8.7	0.91				

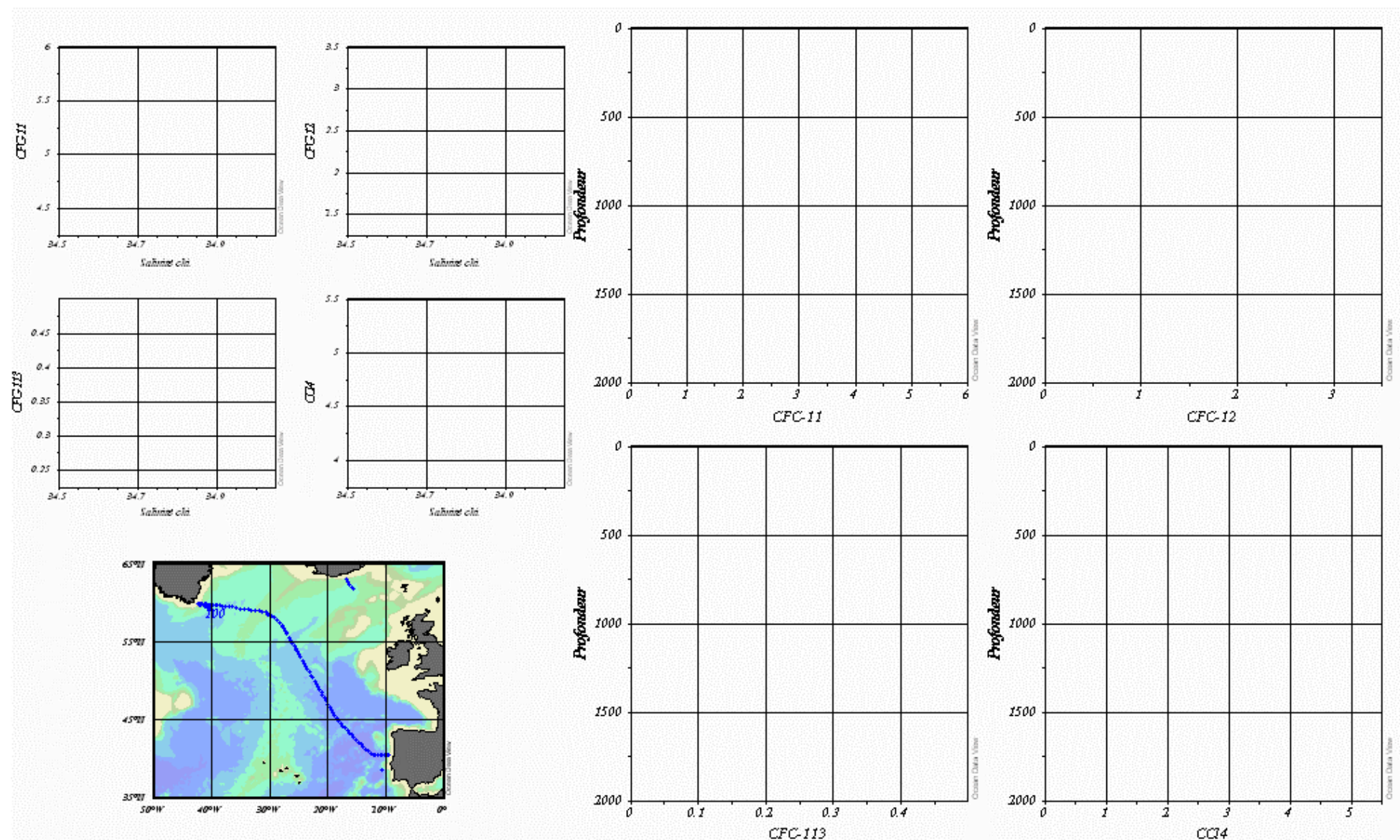




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
100	17/06/2006	23:07:31	59:39:25 N	41:47:81 W	1881m

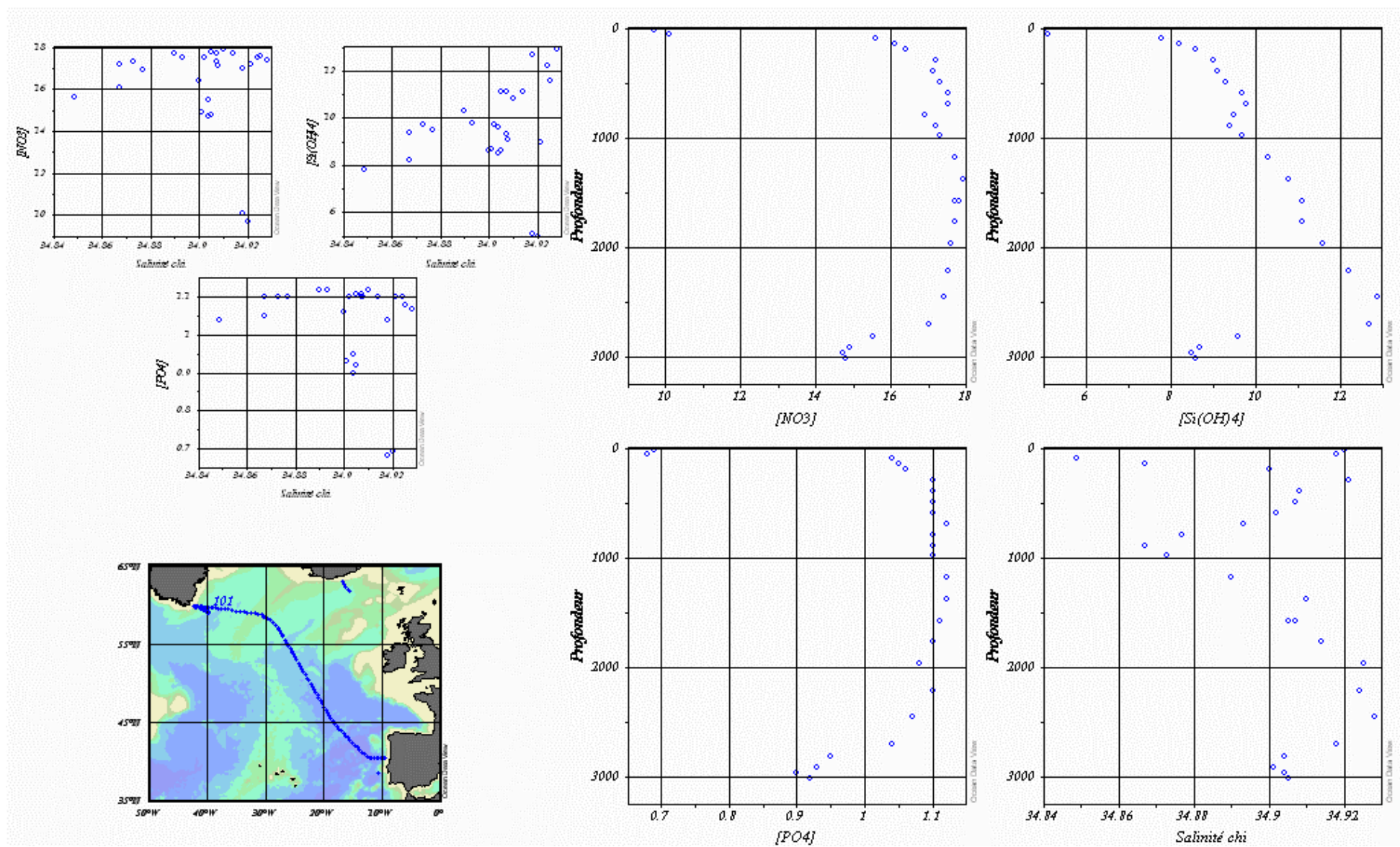
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
100	23	9.6	-9.5	4.737	33.982	34.204	7.521							
100	22	47.7	-47.2	6.264	34.828	34.842	7.168							
100	21	100.4	-99.4	5.705	34.987	34.990	6.64							
100	20	139.2	-137.8	5.661	35.005	35.006	6.596							
100	19	196.7	-194.8	5.386	34.998	34.992	6.608							
100	18	299.8	-296.8	5.077	34.977	34.978	6.6							
100	17	400.2	-396.1	4.903	34.968	34.968	6.574							
100	16	500.1	-494.8	4.533	34.936	34.936	6.477							
100	15	599.3	-592.8	4.227	34.924	34.925	6.422							
100	14	699.4	-691.7	4.007	34.919	34.922	6.404							
100	13	800.8	-791.7	3.830	34.915	34.916	6.459							
100	12	900.5	-890.1	3.644	34.908	34.909	6.475							
100	11	999.0	-987.2	3.563	34.916	34.916	6.444							
100	10	998.8	-987.0	3.563	34.917	34.916	6.462							
100	9	1199.9	-1185.2	3.366	34.914	34.915	6.521							
100	8	1399.6	-1381.8	3.141	34.913	34.914	6.514							
100	7	1598.9	-1577.8	2.952	34.916	34.918	6.528							
100	6	1691.2	-1668.5	2.762	34.908	34.907	6.643							
100	5	1791.3	-1766.9	2.575	34.904	34.903	6.704							
100	4	1843.7	-1818.3	2.504	34.904	34.905	6.721							
100	3	1892.5	-1866.3	2.493	34.904	34.904	6.734							

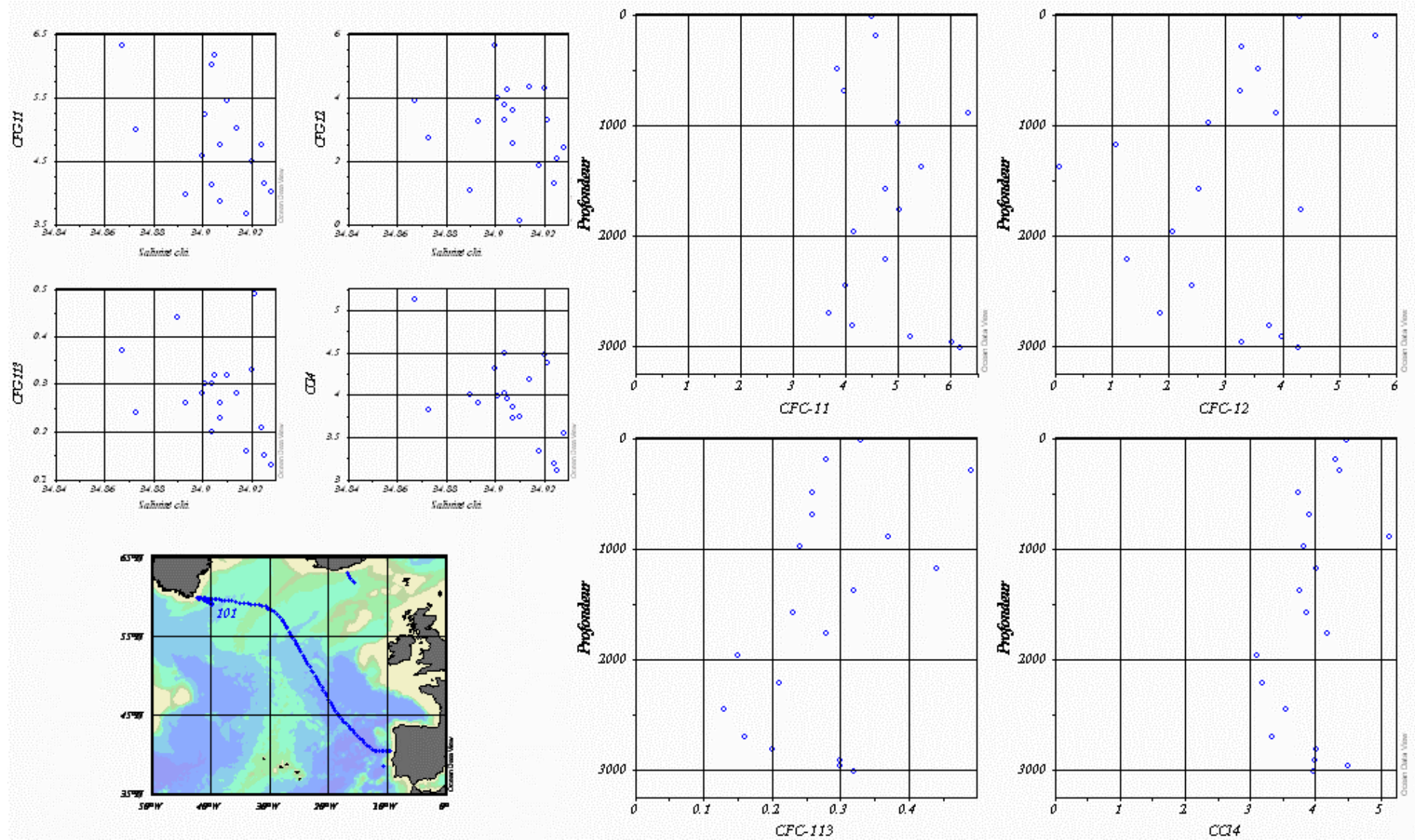




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
101	19/06/2006	08:07:19	59:01:51 N	39:48:98 W	4483m

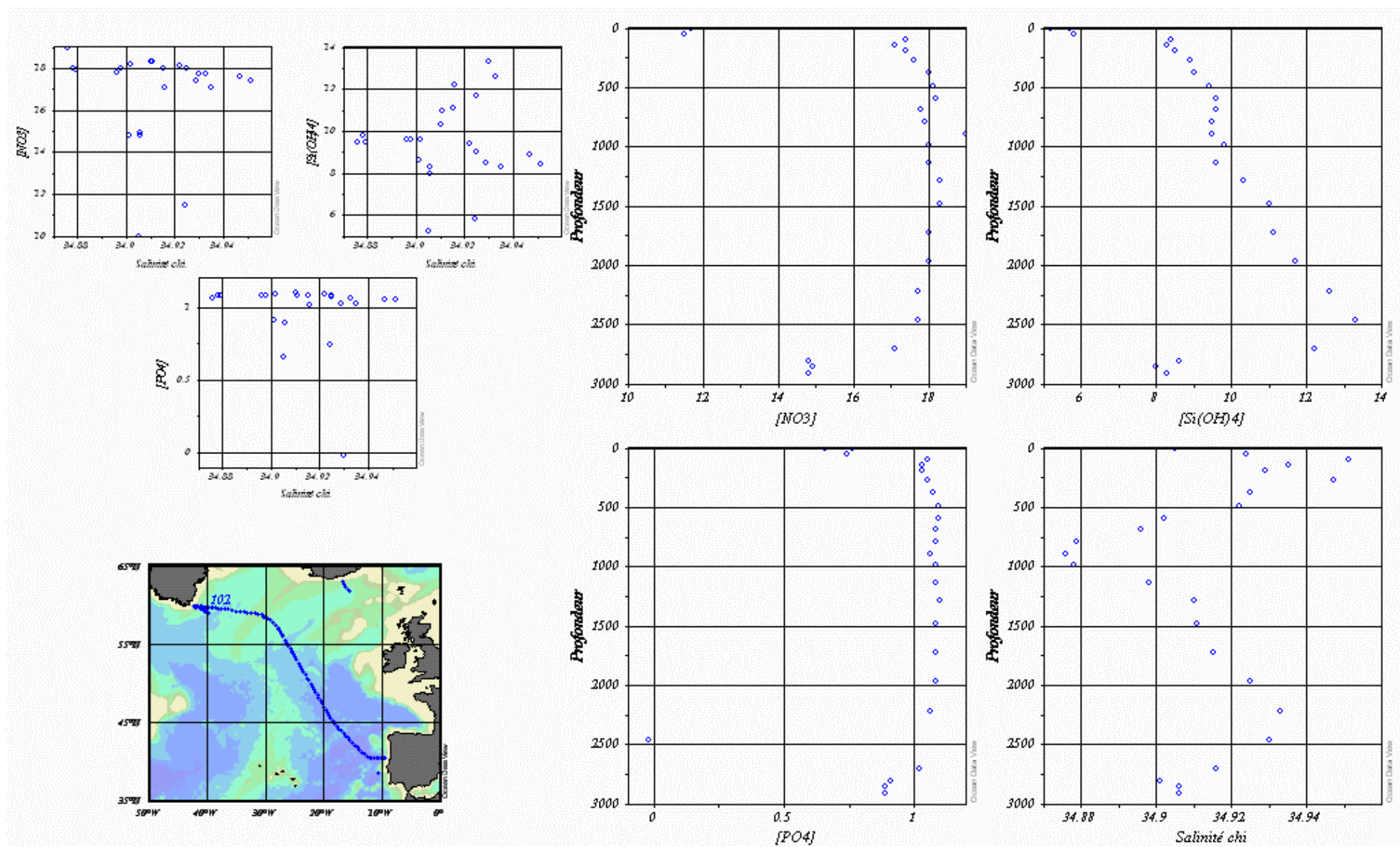
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
101	28	17.4	-17.2	7.351	34.916	34.920	6.895	9.7	5.0	0.69	4.49	4.30	0.33	4.47
101	27	50.5	-50.0	7.341	34.918	34.918	6.89	10.1	5.1	0.68				
101	26	100.7	-99.7	4.485	34.844	34.849	6.848	15.6	7.8	1.04				
101	25	150.5	-149.0	4.448	34.866	34.867	6.858	16.1	8.2	1.05				
101	24	200.1	-198.1	4.559	34.902	34.900	6.742	16.4	8.6	1.06	4.57	5.62	0.28	4.31
101	23	300.4	-297.4	4.445	34.920	34.921	6.583	17.2	9.0	1.10		3.28	0.49	4.38
101	22	400.7	-396.6	4.217	34.909	34.908	6.618	17.1	9.1	1.10				
101	21	500.4	-495.1	4.054	34.906	34.907	6.544	17.3	9.3	1.10	3.85	3.57	0.26	3.73
101	20	600.2	-593.7	3.900	34.901	34.902	6.427	17.5	9.7	1.10				
101	19	699.2	-691.5	3.750	34.893	34.893	6.533	17.5	9.8	1.12	3.96	3.25	0.26	3.91
101	18	800.8	-791.8	3.570	34.877	34.877	6.693	16.9	9.5	1.10				
101	17	899.8	-889.5	3.473	34.870	34.867	6.721	17.2	9.4	1.10	6.32	3.88	0.37	5.13
101	16	999.1	-987.4	3.452	34.875	34.873	6.665	17.3	9.7	1.10	4.99	2.70	0.24	3.82
101	15	1199.5	-1184.9	3.437	34.890	34.890	6.511	17.7	10.3	1.12		1.08	0.44	4.01
101	14	1399.9	-1382.2	3.387	34.910	34.910	6.419	17.9	10.8	1.12	5.44	0.09	0.32	3.75
101	13	1600.1	-1579.1	3.220	34.906	34.905	6.483	17.8	11.1	1.11				
101	12	1601.1	-1580.1	3.220	34.905	34.907	6.47	17.7	11.1	1.11	4.76	2.54	0.23	3.86
101	11	1798.6	-1774.1	3.104	34.909	34.914	6.496	17.7	11.1	1.10	5.01	4.31	0.28	4.18
101	10	1998.7	-1970.6	3.028	34.925	34.925	6.473	17.6	11.6	1.08	4.15	2.06	0.15	3.10
101	9	2248.7	-2215.8	2.869	34.926	34.924	6.447	17.5	12.2	1.10	4.75	1.28	0.21	3.18
101	8	2500.1	-2462.1	2.706	34.930	34.928	6.441	17.4	12.9	1.07	4.01	2.40	0.13	3.55
101	7	2749.3	-2705.9	2.394	34.921	34.918	6.525	17.0	12.7	1.04	3.67	1.86	0.16	3.34
101	6	2869.8	-2823.7	2.041	34.906	34.904	6.771	15.5	9.6	0.95	4.12	3.76	0.20	4.02
101	5	2969.6	-2921.2	1.550	34.901	34.901	6.6	14.9	8.7	0.93	5.23	3.98	0.30	3.99
101	4	3018.6	-2969.1	1.263	34.905	34.904	6.956	14.7	8.5	0.90	6.01	3.29	0.30	4.50
101	3	3071.4	-3020.7	1.255	34.906	34.905	6.964	14.8	8.6	0.92	6.16	4.26	0.32	3.96

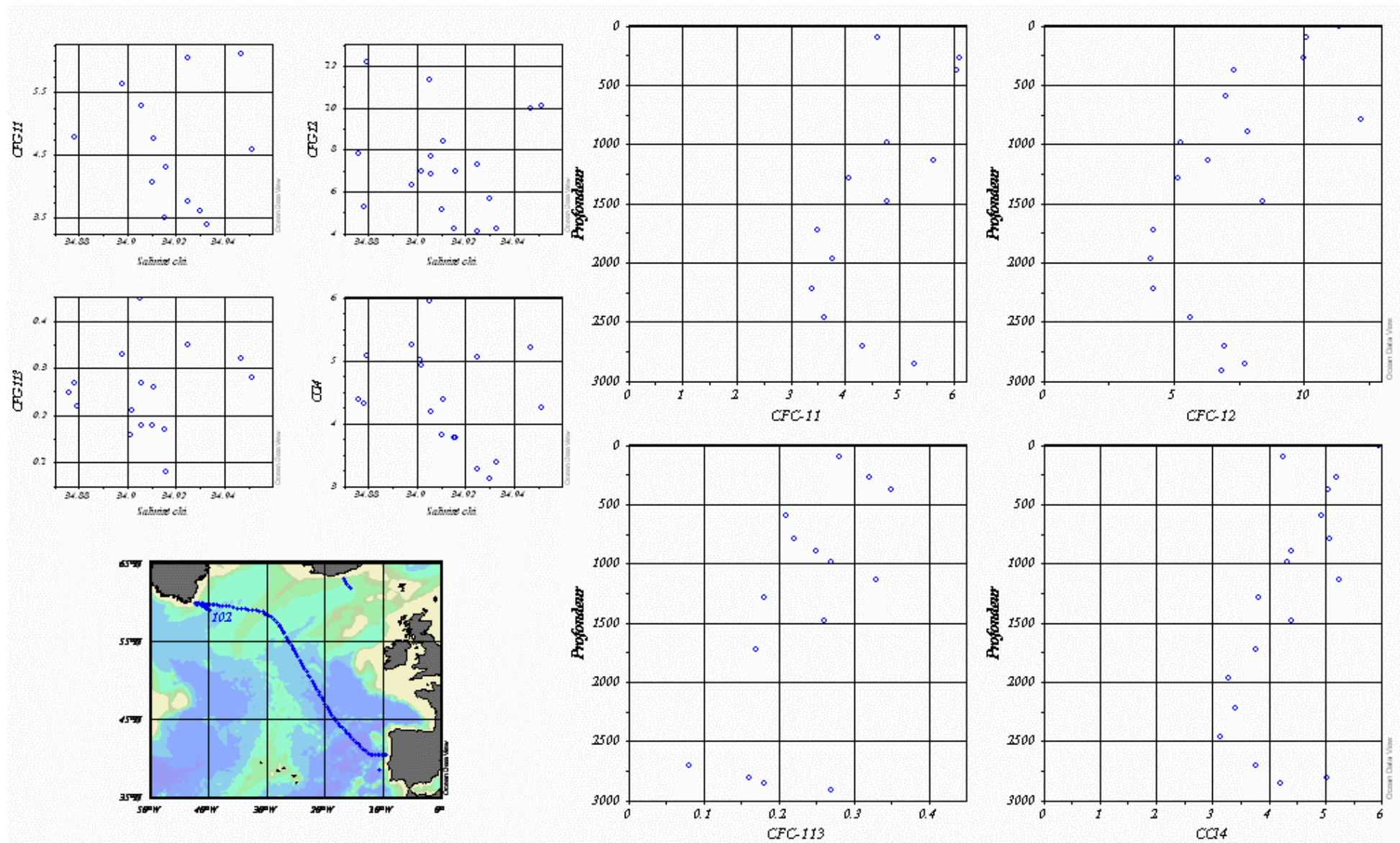




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
102	19/06/2006	12:42:35	59:09:95 N	40:14:20 W	2929m

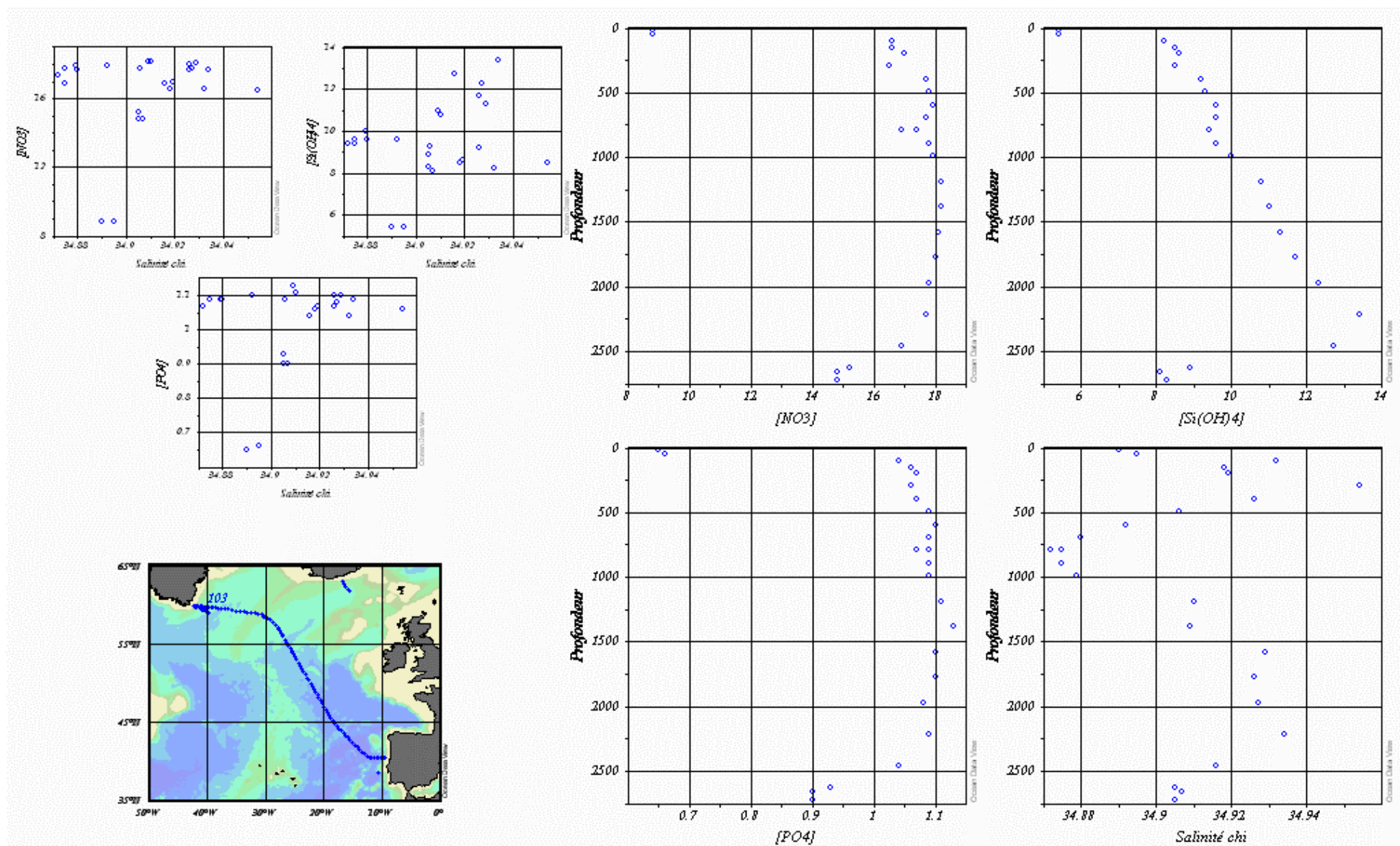
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
102	27	9.3	-9.2	7.374	34.903	34.905		10.0	5.2	0.66		11.36	0.45	5.95
102	26	50.7	-50.2	7.027	34.920	34.924		11.5	5.8	0.74				
102	25	100.3	-99.3	5.349	34.952	34.951	6.534	17.4	8.4	1.05	4.59	10.07	0.28	4.24
102	24	149.8	-148.3	5.083	34.932	34.935	6.679	17.1	8.3	1.03				
102	23	197.4	-195.5	4.914	34.927	34.929	6.611	17.4	8.5	1.03				
102	22	272.0	-269.3	4.738	34.944	34.947	6.534	17.6	8.9	1.05	6.11	9.99	0.32	5.20
102	21	379.4	-375.5	4.413	34.923	34.925	6.557	18.0	9.0	1.07	6.05	7.32	0.35	5.05
102	20	499.4	-494.1	4.190	34.918	34.922	6.444	18.1	9.4	1.09				
102	19	599.4	-592.9	3.920	34.902	34.902	6.517	18.2	9.6	1.09		6.98	0.21	4.92
102	18	699.7	-692.0	3.763	34.894	34.896	6.619	17.8	9.6	1.08				
102	17	800.5	-791.5	3.601	34.881	34.879	6.655	17.9	9.5	1.08		12.17	0.22	5.07
102	16	899.0	-888.7	3.501	34.877	34.876	6.5	19.0	9.5	1.06		7.83	0.25	4.39
102	15	1000.5	-988.8	3.448	34.879	34.878	6.558	18.0	9.8	1.08	4.78	5.28	0.27	4.31
102	14							11.7	5.7	0.76				
102	13	1151.2	-1137.3	3.450	34.898	34.898	6.481	18.0	9.6	1.08	5.63	6.34	0.33	5.24
102	12	1299.7	-1283.5	3.417	34.910	34.910	6.415	18.3	10.3	1.10	4.07	5.15	0.18	3.82
102	11	1501.4	-1482.0	3.248	34.907	34.911	6.464	18.3	11.0	1.08	4.77	8.40	0.26	4.39
102	10	1747.5	-1723.9	3.094	34.915	34.915	6.488	18.0	11.1	1.08	3.49	4.21	0.17	3.77
102	9	1997.0	-1968.9	2.966	34.925	34.925	6.442	18.0	11.7	1.08	3.76	4.10		3.27
102	8	2250.1	-2217.1	2.798	34.931	34.933	6.433	17.7	12.6	1.06	3.40	4.20		3.39
102	7	2499.7	-2461.6	2.617	34.933	34.930	6.427	17.7	13.3	-0.02	3.61	5.66		3.13
102	6	2748.2	-2704.8	2.209	34.915	34.916	6.587	17.1	12.2	1.02	4.31	6.97	0.08	3.77
102	5	2850.5	-2804.8	1.919	34.901	34.901	6.862	14.8	8.6	0.91			0.16	5.01
102	4	2900.3	-2853.5	1.701	34.904	34.906	6.931	14.9	8.0	0.89	5.28	7.71	0.18	4.19
102	3	2961.6	-2913.4	1.455	34.907	34.906	6.974	14.8	8.3	0.89		6.84	0.27	

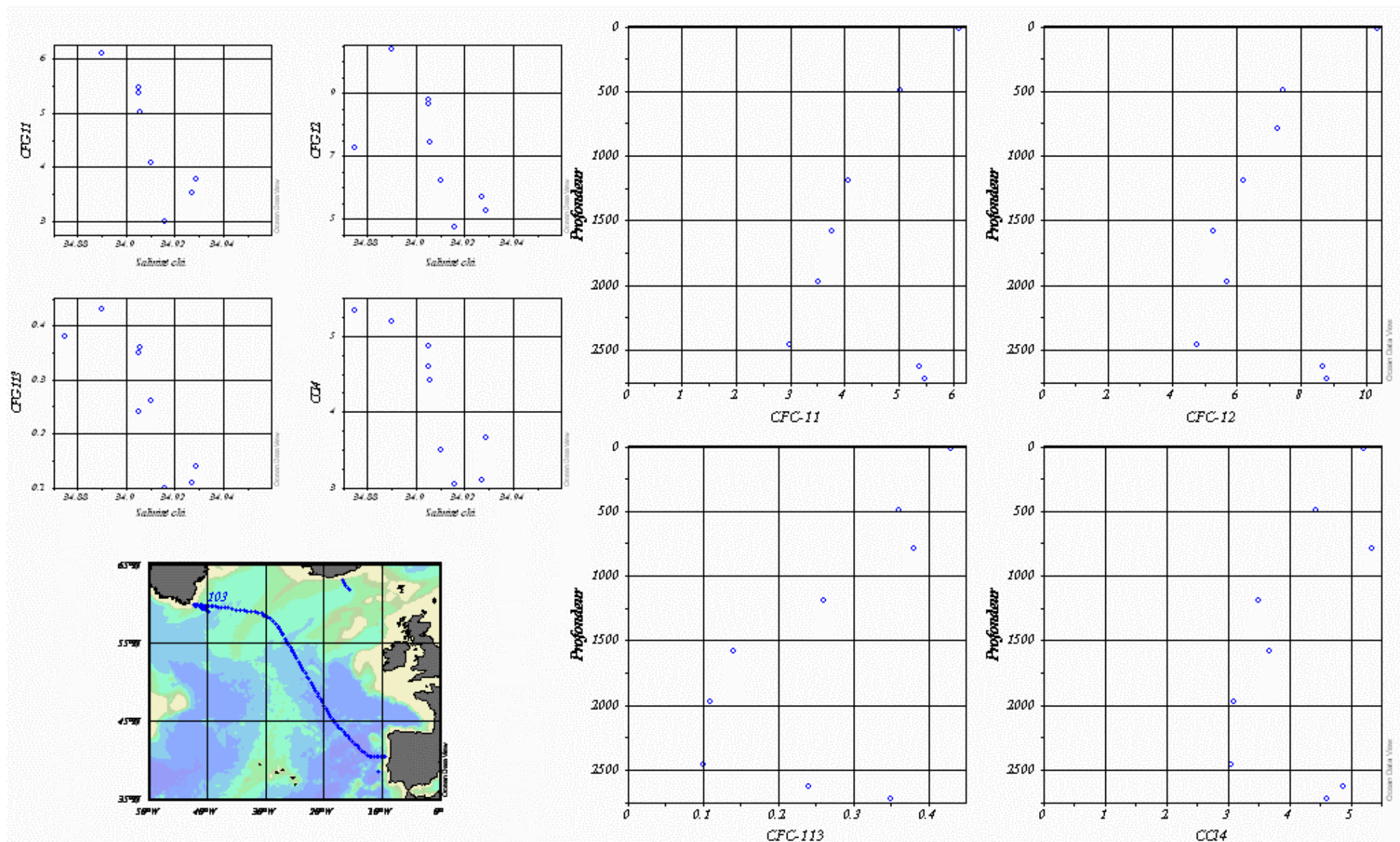




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
103	19/06/2006	16:36:04	59:17:52 N	40:39:45 W	2748m

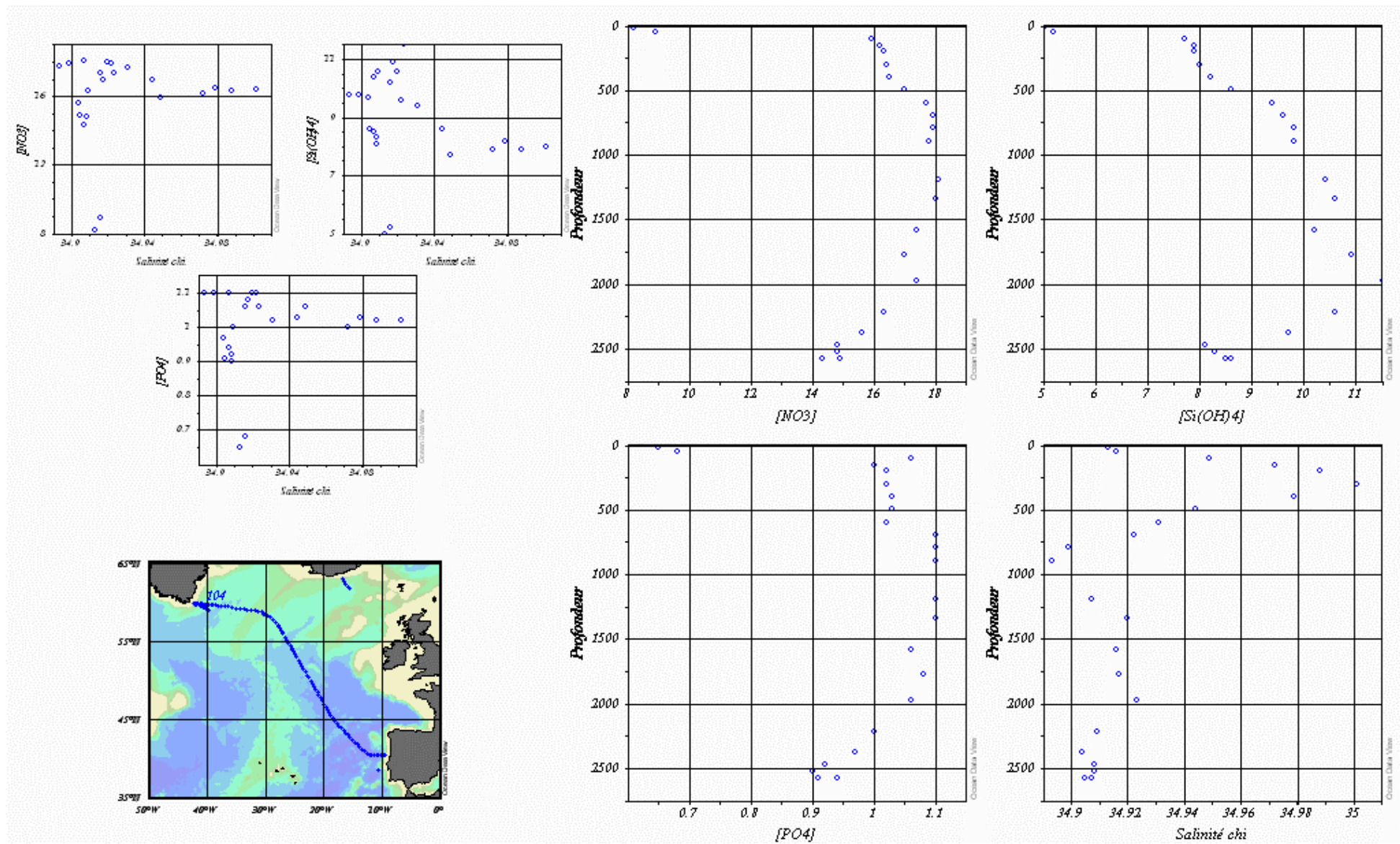
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
103	26	14.8	-14.7	6.620	34.886	34.890	6.984	8.8	5.4	0.65	6.11	10.37	0.43	5.21
103	25	50.4	-49.9	6.462	34.892	34.895	6.944	8.8	5.4	0.66				
103	24	100.1	-99.1	5.146	34.929	34.932	6.735	16.6	8.2	1.04				
103	23	150.3	-148.8	4.916	34.919	34.918	6.67	16.6	8.5	1.06				
103	22	200.7	-198.7	4.719	34.915	34.919	6.702	17.0	8.6	1.07				
103	21	298.8	-295.8	4.718	34.952	34.954	6.739	16.5	8.5	1.06				
103	20	400.4	-396.3	4.348	34.924	34.926	6.566	17.7	9.2	1.07				
103	19	500.3	-495.0	4.062	34.904	34.906	6.583	17.8	9.3	1.09	5.03	7.42	0.36	4.43
103	18	599.9	-593.4	3.836	34.893	34.892	6.548	17.9	9.6	1.10				
103	17	699.5	-691.8	3.639	34.881	34.880	6.634	17.7	9.6	1.09				
103	16	799.8	-790.8	3.512	34.872	34.875	6.716	16.9	9.4	1.09		7.27	0.38	5.34
103	15	800.9	-791.9	3.509	34.872	34.872	6.712	17.4	9.4	1.07				
103	14	900.6	-890.2	3.454	34.874	34.875	6.657	17.8	9.6	1.09				
103	13	1000.2	-988.4	3.422	34.880	34.879	6.585	17.9	10.0	1.09				
103	12	1201.1	-1186.4	3.441	34.910	34.910	6.399	18.2	10.8	1.11	4.08	6.21	0.26	3.50
103	11	1399.3	-1381.5	3.269	34.911	34.909	6.474	18.2	11.0	1.13				
103	10	1599.4	-1578.4	3.172	34.921	34.929	6.472	18.1	11.3	1.10	3.78	5.26	0.14	3.67
103	9	1798.5	-1774.0	3.031	34.926	34.926	6.465	18.0	11.7	1.10				
103	8	1999.6	-1971.4	2.862	34.927	34.927	6.445	17.8	12.3	1.08	3.52	5.68	0.11	3.10
103	7	2249.1	-2216.1	2.667	34.936	34.934	6.417	17.7	13.4	1.09				
103	6	2499.1	-2461.0	2.264	34.918	34.916	6.551	16.9	12.7	1.04	2.98	4.75	0.10	3.05
103	5	2671.3	-2629.6	1.836	34.905	34.905	6.877	15.2	8.9	0.93	5.37	8.66	0.24	4.87
103	4	2707.8	-2665.3	1.666	34.906	34.907	6.951	14.8	8.1	0.90				
103	3	2770.8	-2726.9	1.410	34.906	34.905	6.949	14.8	8.3	0.90	5.48	8.78	0.35	4.60

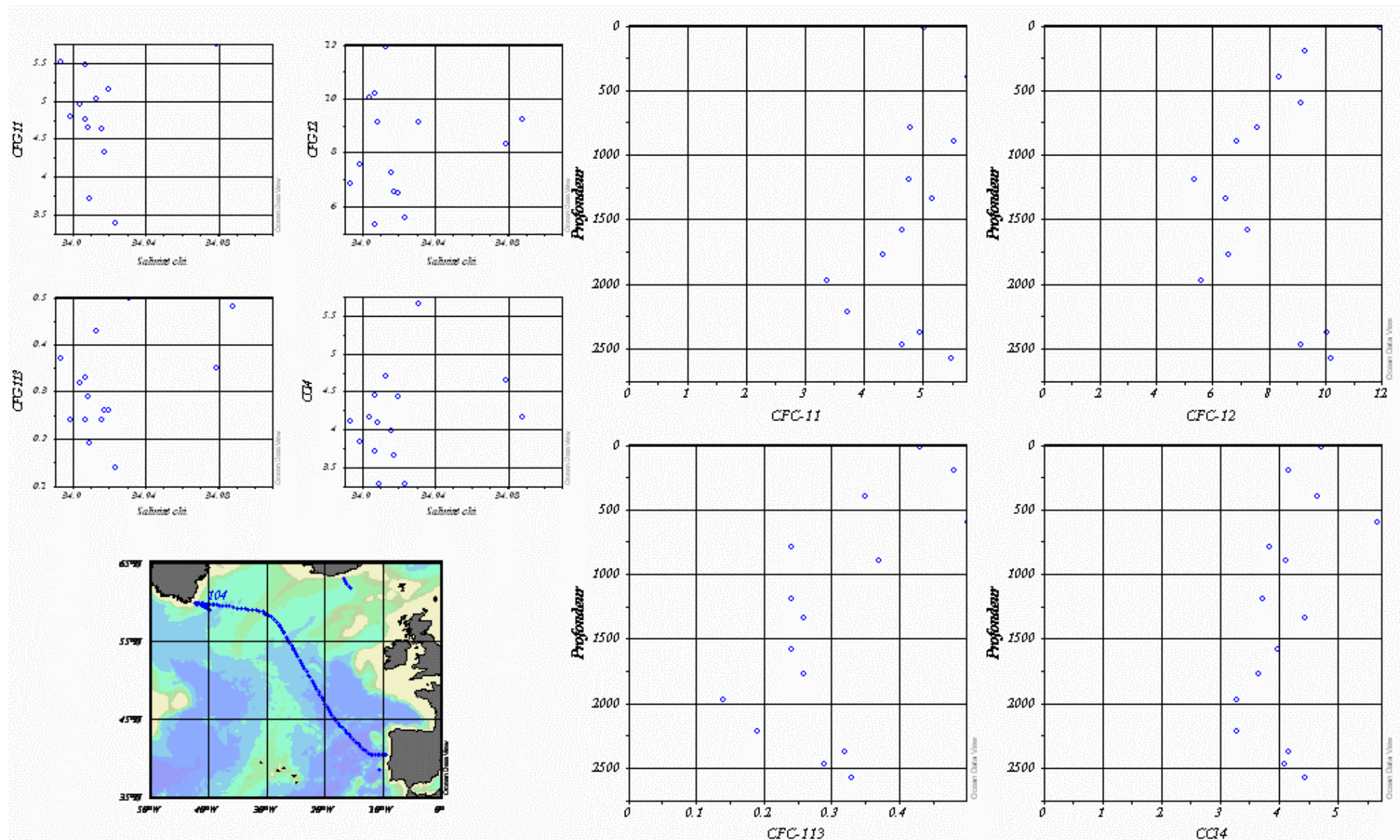




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
104	19/06/2006	20:54:15	59:22:76 N	40:56:12 W	2588m

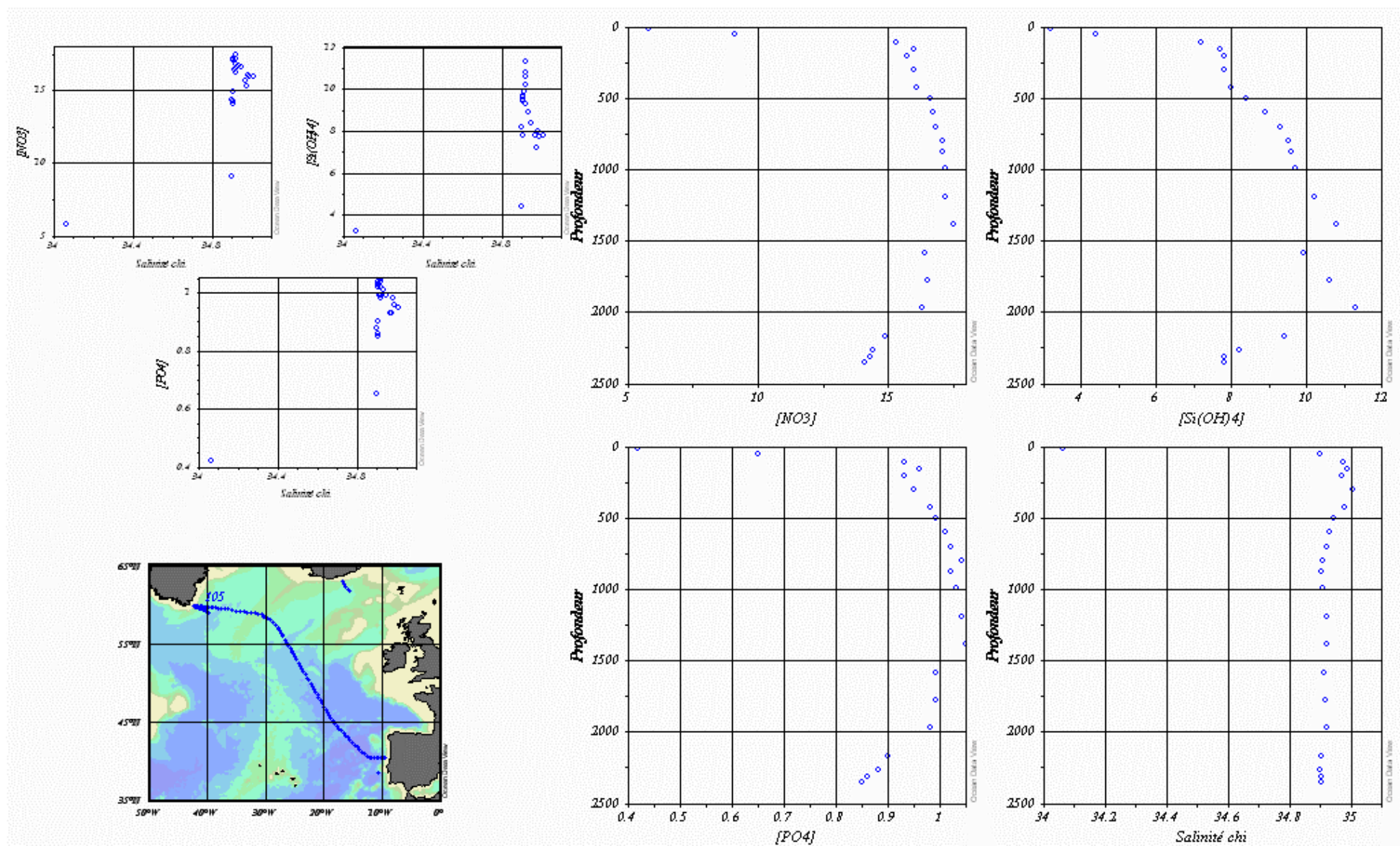
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
104	26	17.4	-17.2	6.431	34.909	34.913	6.989	8.2	5.0	0.65	5.03	11.94	0.43	4.71
104	25	50.9	-50.4	6.355	34.914	34.916	6.913	8.9	5.2	0.68				
104	24	101.2	-100.2	5.025	34.941	34.949	6.604	15.9	7.7	1.06				
104	23	150.5	-149.0	5.060	34.969	34.972	6.64	16.2	7.9	1.00				
104	22	199.8	-197.8	5.101	34.985	34.988	6.71	16.3	7.9	1.02		9.25	0.48	4.16
104	21	300.7	-297.7	5.119	34.998	35.001	6.735	16.4	8.0	1.02				
104	20	399.6	-395.5	4.929	34.975	34.979	6.679	16.5	8.2	1.03	5.75	8.34	0.35	4.65
104	19	500.3	-495.0	4.601	34.942	34.944	6.538	17.0	8.6	1.03				
104	18	600.0	-593.5	4.329	34.925	34.931	6.445	17.7	9.4	1.02		9.14	0.50	5.67
104	17	698.6	-690.9	4.118	34.918	34.922	6.372	17.9	9.6	1.10				
104	16	800.8	-791.8	3.806	34.897	34.899	6.482	17.9	9.8	1.10	4.79	7.55	0.24	3.84
104	15	899.6	-889.2	3.664	34.890	34.893	6.705	17.8	9.8	1.10	5.52	6.87	0.37	4.11
104	14													
104	13	1200.7	-1186.0	3.503	34.903	34.907	6.428	18.1	10.4	1.10	4.76	5.35	0.24	3.72
104	12	1359.6	-1342.5	3.467	34.916	34.920	6.385	18.0	10.6	1.10	5.16	6.48	0.26	4.43
104	11	1601.5	-1580.4	3.229	34.913	34.916	6.494	17.4	10.2	1.06	4.64	7.24	0.24	3.98
104	10	1800.2	-1775.7	3.043	34.915	34.917	6.507	17.0	10.9	1.08	4.32	6.57	0.26	3.66
104	9	2000.0	-1971.8	2.891	34.922	34.923	6.475	17.4	11.5	1.06	3.38	5.59	0.14	3.28
104	8	2248.3	-2215.3	2.418	34.910	34.909	6.647	16.3	10.6	1.00	3.72		0.19	3.28
104	7	2409.3	-2373.1	1.972	34.901	34.904	6.765	15.6	9.7	0.97	4.96	10.04	0.32	4.16
104	6	2512.9	-2474.5	1.579	34.904	34.908	6.956	14.8	8.1	0.92	4.66	9.12	0.29	4.10
104	5	2561.3	-2521.9	1.465	34.906	34.908	6.963	14.8	8.3	0.90				
104	4	2612.2	-2571.7	1.343	34.905	34.905	6.948	14.9	8.6	0.91				
104	3	2612.7	-2572.2	1.344	34.903	34.907	6.959	14.3	8.5	0.94	5.48	10.19	0.33	4.45

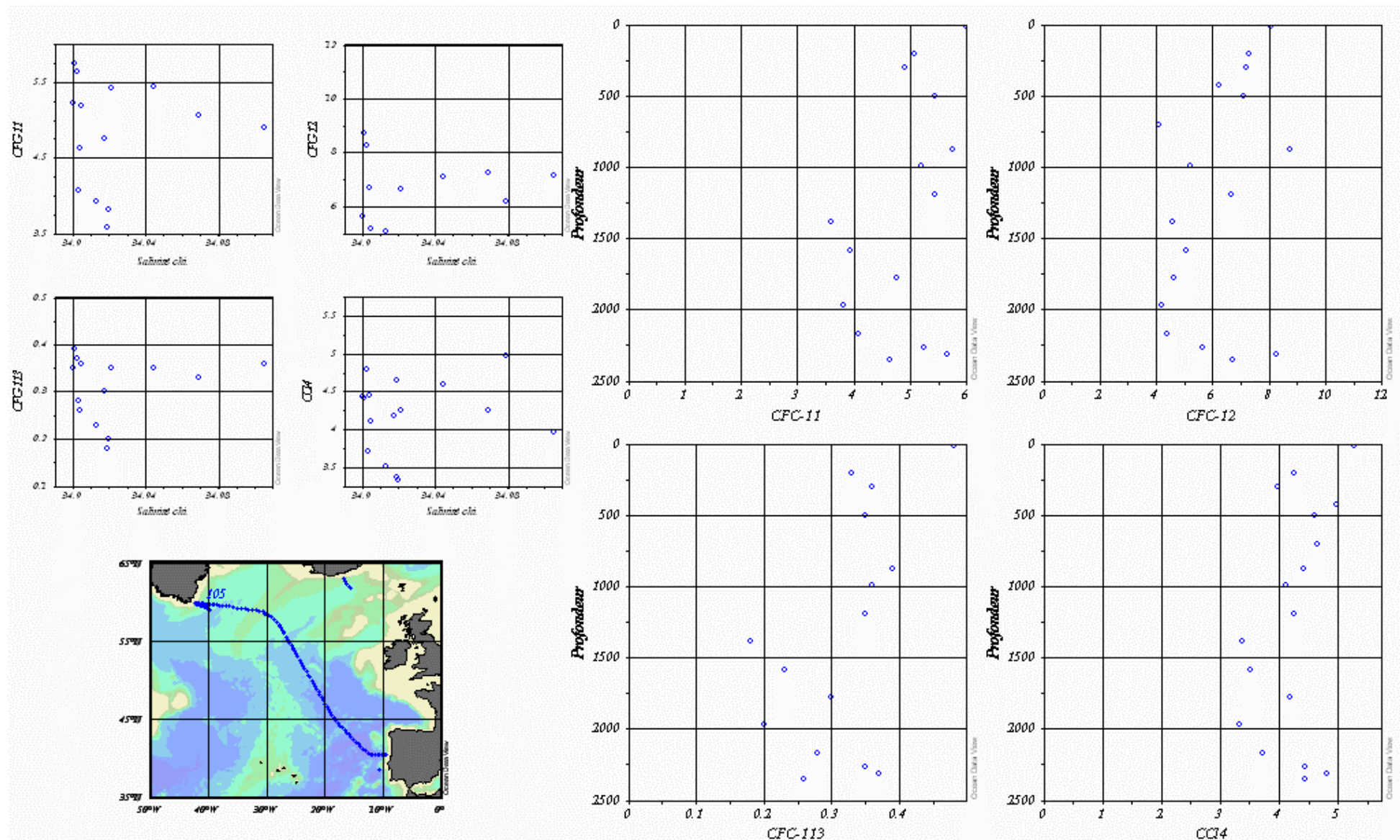




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
105	20/06/2006	00:52:02	59:27:99 N	41:14:10 W	2360m

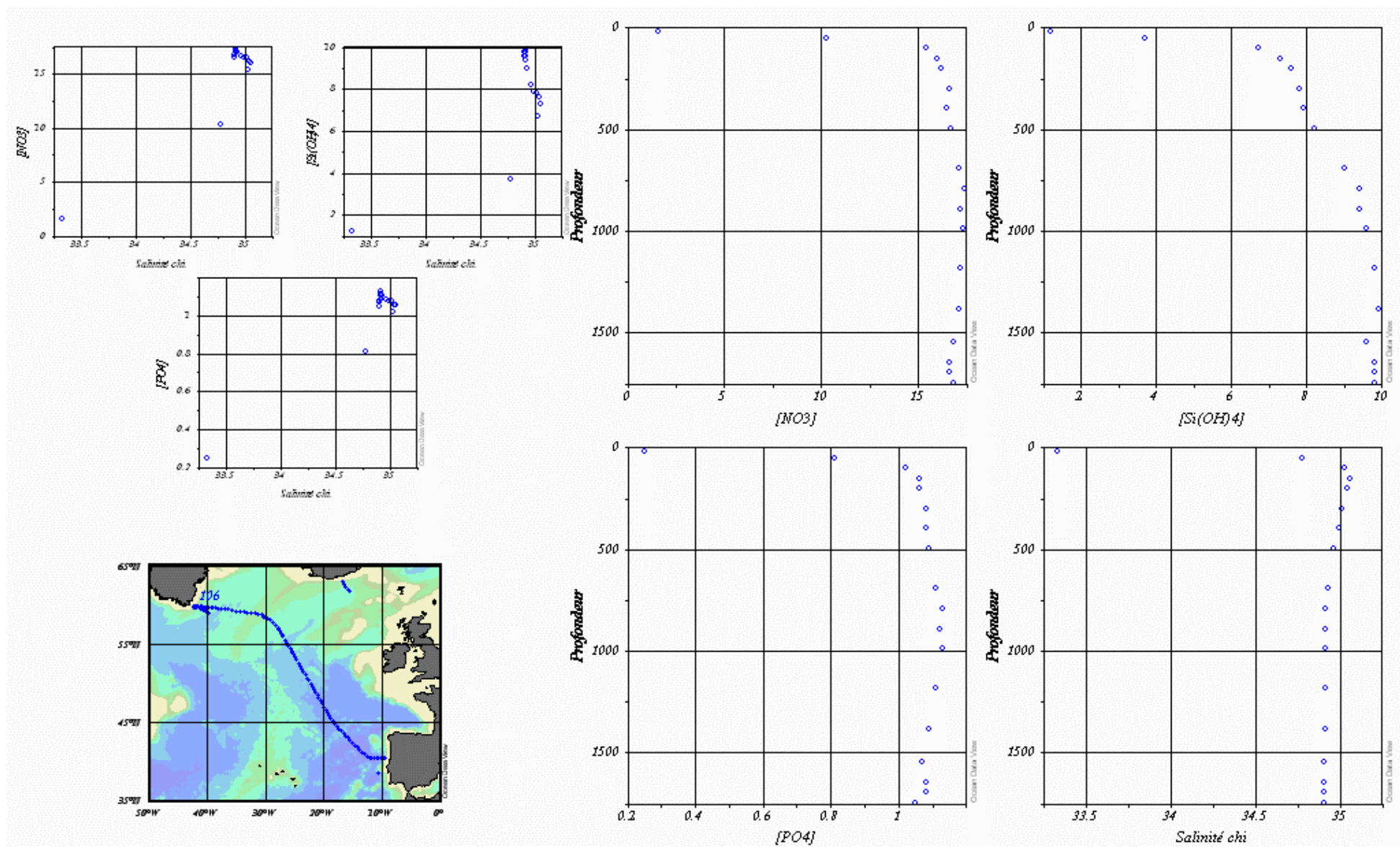
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
105	24	9.7	-9.6	4.732	34.059	34.064	7.229	5.8	3.2	0.42	6.00	8.05	0.48	5.27
105	23	47.9	-47.4	6.140	34.896	34.897	6.893	9.1	4.4	0.65				
105	22	99.8	-98.8	5.348	34.970	34.974	6.583	15.3	7.2	0.93				
105	21	151.2	-149.7	5.204	34.984	34.985	6.602	16.0	7.7	0.96				
105	20	201.4	-199.4	4.972	34.966	34.969	6.593	15.7	7.8	0.93	5.07	7.27	0.33	4.26
105	19	300.7	-297.7	5.128	35.001	35.005	6.707	16.0	7.8	0.95	4.91	7.18	0.36	3.97
105	18	420.9	-416.5	4.916	34.977	34.979	6.714	16.1	8.0	0.98		6.20	0.51	4.98
105	17	499.7	-494.4	4.595	34.941	34.944	6.482	16.6	8.4	0.99	5.44	7.09	0.35	4.60
105	16	600.3	-593.8	4.303	34.928	34.930	6.379	16.7	8.9	1.01				
105	15	700.1	-692.4	4.052	34.917	34.919	6.386	16.8	9.3	1.02		4.08	0.51	4.65
105	14	800.7	-791.7	3.827	34.906	34.907	6.43	17.1	9.5	1.04				
105	13	879.4	-869.3	3.715	34.903	34.901	6.454	17.1	9.6	1.02	5.75	8.72	0.39	4.42
105	12	999.2	-987.4	3.603	34.902	34.905	6.547	17.2	9.7	1.03	5.20	5.19	0.36	4.11
105	11	1199.1	-1184.4	3.525	34.918	34.921	6.378	17.2	10.2	1.04	5.43	6.64	0.35	4.26
105	10	1400.4	-1382.6	3.345	34.916	34.919	6.409	17.5	10.8	1.05	3.59	4.55	0.18	3.37
105	9	1600.0	-1578.9	3.103	34.910	34.913	6.539	16.4	9.9	0.99	3.92	5.06	0.23	3.51
105	8	1798.6	-1774.1	2.915	34.916	34.917	6.524	16.5	10.6	0.99	4.76	4.61	0.30	4.18
105	7	1998.6	-1970.4	2.646	34.919	34.920	6.554	16.3	11.3	0.98	3.82	4.17	0.20	3.33
105	6	2200.6	-2168.6	2.142	34.900	34.903	6.816	14.9	9.4	0.90	4.07	4.37	0.28	3.72
105	5	2300.3	-2266.3	1.980	34.898	34.900	6.905	14.4	8.2	0.88	5.23	5.65	0.35	4.43
105	4	2348.3	-2313.3	1.776	34.899	34.902	6.944	14.3	7.8	0.86	5.65	8.27	0.37	4.80
105	3	2387.2	-2351.4	1.746	34.900	34.904	6.96	14.1	7.8	0.85	4.63	6.72	0.26	4.45

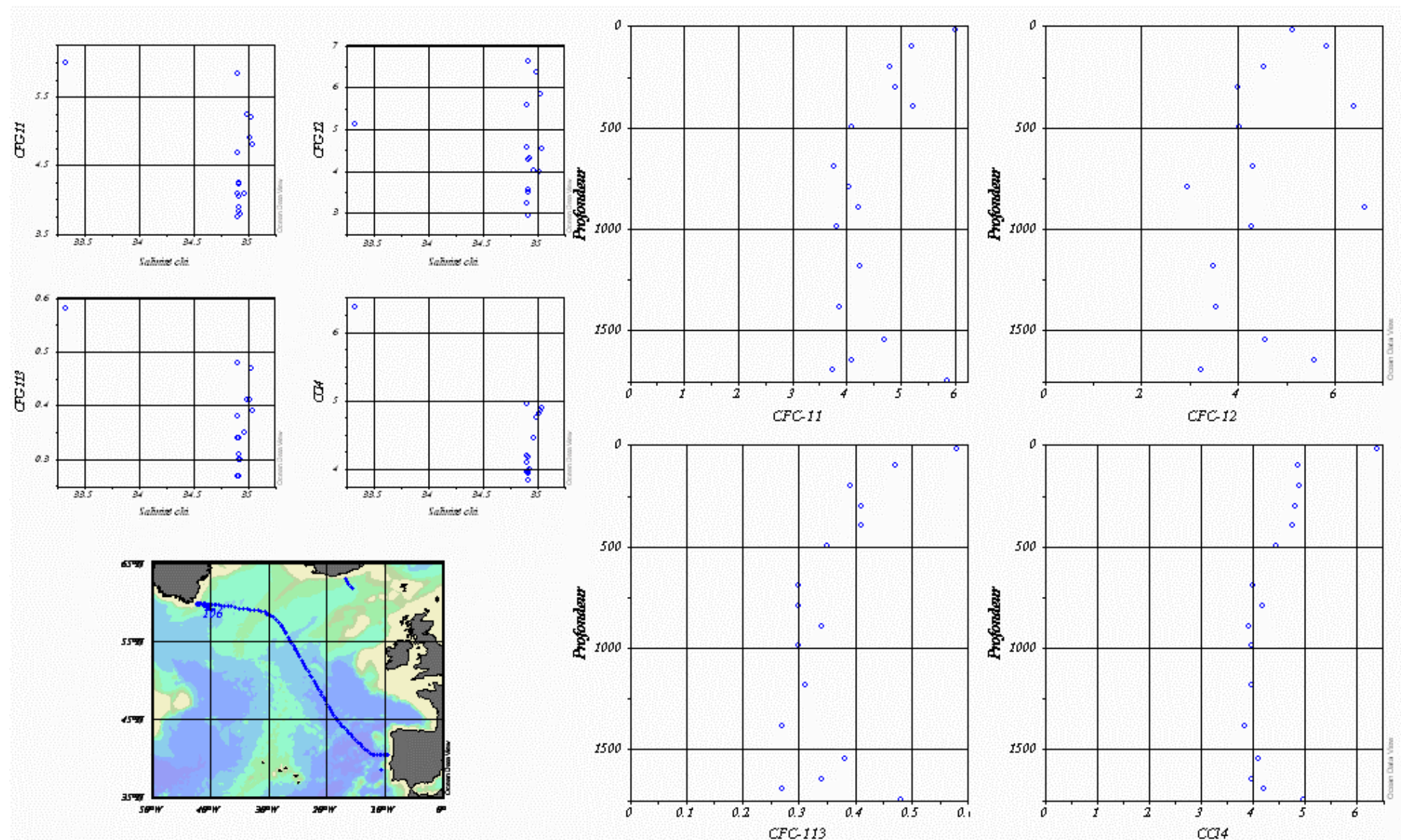




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
106	21/06/2006	19:27:11	59:44:74 N	42:03:41 W	1756m

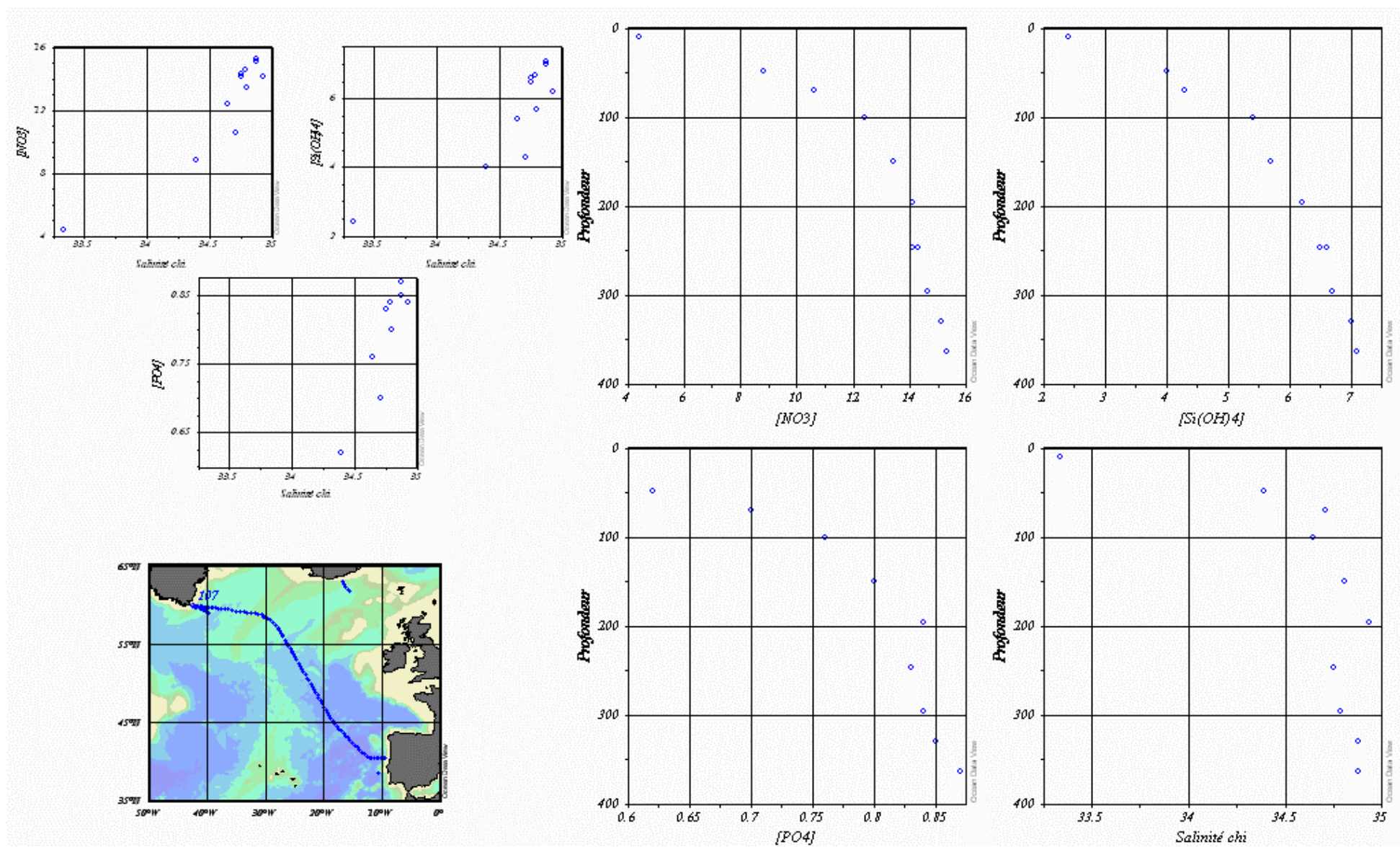
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
106	22	15.7	-15.6	3.846	33.325	33.333	8.102	1.6	1.2	0.25	6.01	5.11	0.58	6.37
106	21	51.0	-50.5	5.254	34.773	34.779	7.088	10.3	3.7	0.81				
106	20	101.1	-100.1	6.008	35.029	35.030	6.611	15.4	6.7	1.02	5.20	5.83	0.47	4.86
106	19	149.9	-148.4	6.070	35.062	35.061	6.567	16.0	7.3	1.06				
106	18	200.0	-198.0	5.847	35.041	35.045	6.524	16.2	7.6	1.06	4.80	4.54	0.39	4.90
106	17	300.5	-297.5	5.404	35.013	35.013	6.646	16.6	7.8	1.08	4.90	3.98	0.41	4.81
106	16	400.8	-396.6	5.178	34.996	34.998	6.642	16.5	7.9	1.08	5.24	6.38	0.41	4.75
106	15	500.3	-495.0	4.852	34.963	34.963	6.575	16.7	8.2	1.09	4.09	4.03	0.35	4.45
106	13	699.8	-692.0	4.235	34.927	34.928	6.458	17.1	9.0	1.11	3.78	4.31	0.30	3.99
106	12	800.3	-791.2	3.857	34.918	34.919	6.491	17.4	9.4	1.13	4.05	2.94	0.30	4.17
106	11	900.3	-889.9	3.771	34.916	34.916	6.488	17.2	9.4	1.12	4.22	6.61	0.34	3.93
106	10	1000.0	-988.2	3.614	34.914	34.917	6.488	17.3	9.6	1.13	3.82	4.28	0.30	3.96
106	9	1198.9	-1184.2	3.440	34.913	34.915	6.507	17.2	9.8	1.11	4.24	3.48	0.31	3.98
106	8	1400.1	-1382.3	3.276	34.914	34.916	6.522	17.1	9.9	1.09	3.88	3.55	0.27	3.84
106	7	1566.7	-1546.2	3.051	34.907	34.909	6.604	16.8	9.6	1.07	4.69	4.56	0.38	4.10
106	6	1669.0	-1646.7	2.982	34.907	34.908	6.589	16.6	9.8	1.08	4.09	5.58	0.34	3.96
106	5	1668.1	-1645.8	2.982	34.906	34.908	6.616	16.6	9.8	1.08				
106	4	1717.5	-1694.4	2.958	34.907	34.906	6.612	16.6	9.8	1.08	3.74	3.22	0.27	4.20
106	3	1768.1	-1744.1	2.901	34.906	34.906	6.627	16.8	9.8	1.05	5.85		0.48	4.96

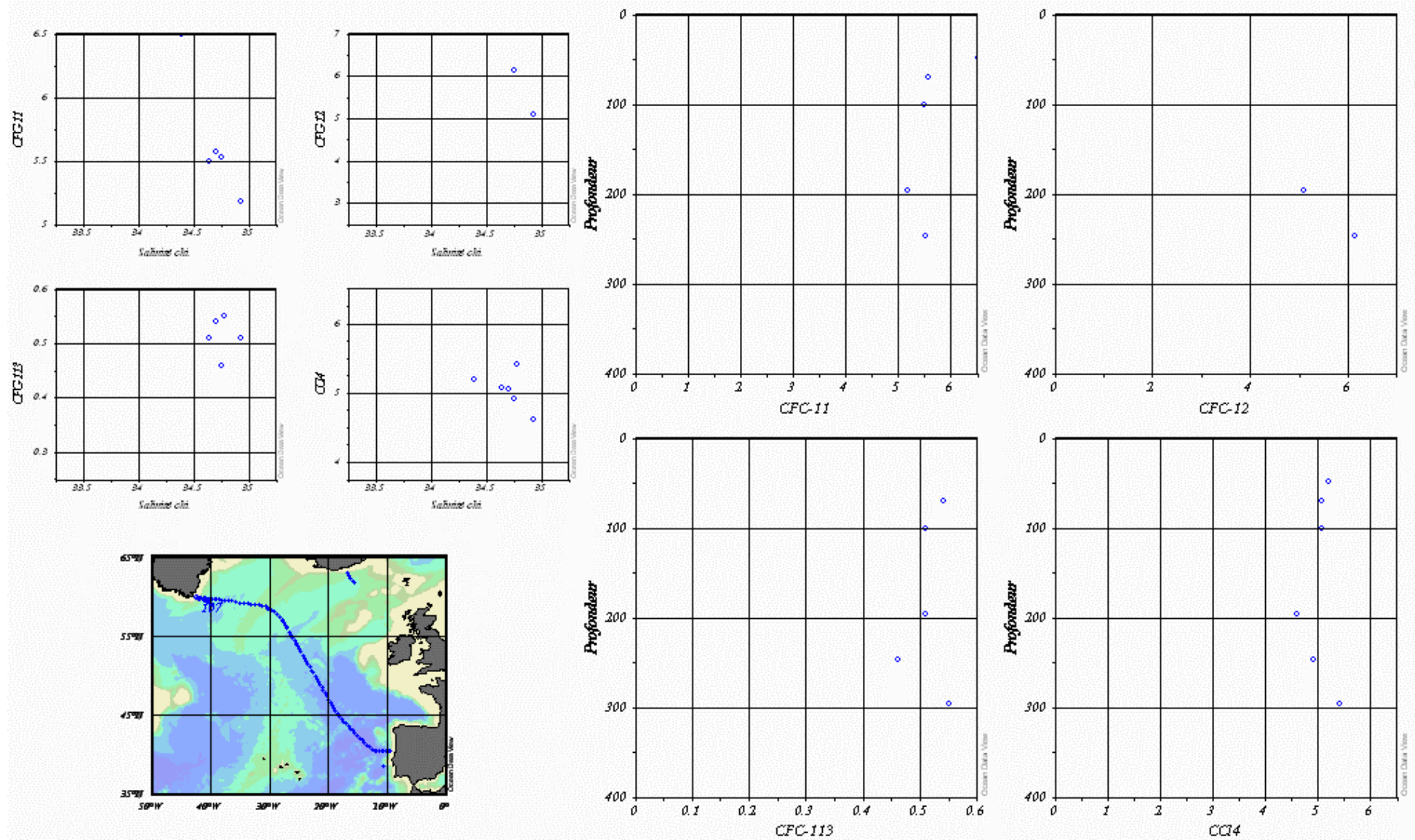




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
107	22/06/2006	01:30:47	59:49:31 N	42:20:11 W	376m

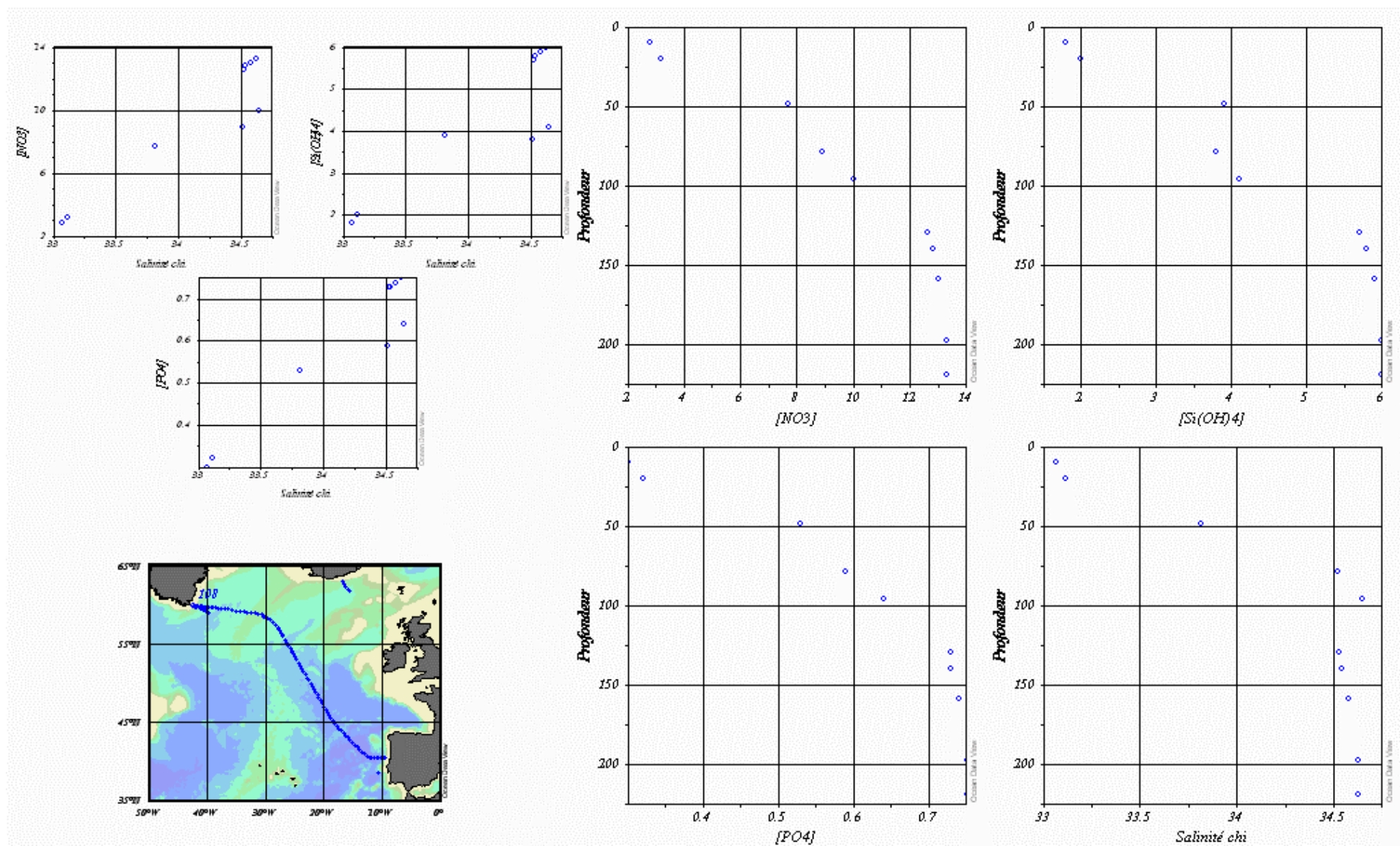
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
107	13	9.6	-9.5	1.713	33.373	33.337		4.4	2.4			8.72	0.74	7.09
107	12	49.6	-49.1	3.579	34.444	34.389	7.427	8.8	4.0	0.62	6.50	8.34	0.68	5.19
107	11	70.4	-69.7	4.788	34.707	34.707	7.087	10.6	4.3	0.70	5.57	9.07	0.54	5.06
107	10	101.0	-100.0	3.822	34.638	34.644	7.045	12.4	5.4	0.76	5.50	7.85	0.51	5.08
107	9	151.2	-149.7	5.190	34.849	34.803	6.882	13.4	5.7	0.80				
107	8	197.8	-195.8	5.504	34.931	34.932	6.748	14.1	6.2	0.84	5.18	5.09	0.51	4.61
107	7	249.6	-247.1	4.164	34.748	34.750	6.872	14.3	6.5	0.83				
107	6	250.0	-247.5	4.166	34.748	34.752	6.872	14.1	6.6	0.83	5.53	6.13	0.46	4.92
107	5	299.1	-296.1	4.359	34.780	34.785	6.83	14.6	6.7	0.84		7.98	0.55	5.41
107	4	332.9	-329.5	4.859	34.874	34.874	6.737	15.1	7.0	0.85				
107	3	368.2	-364.4	4.838	34.874	34.877	6.72	15.3	7.1	0.87				

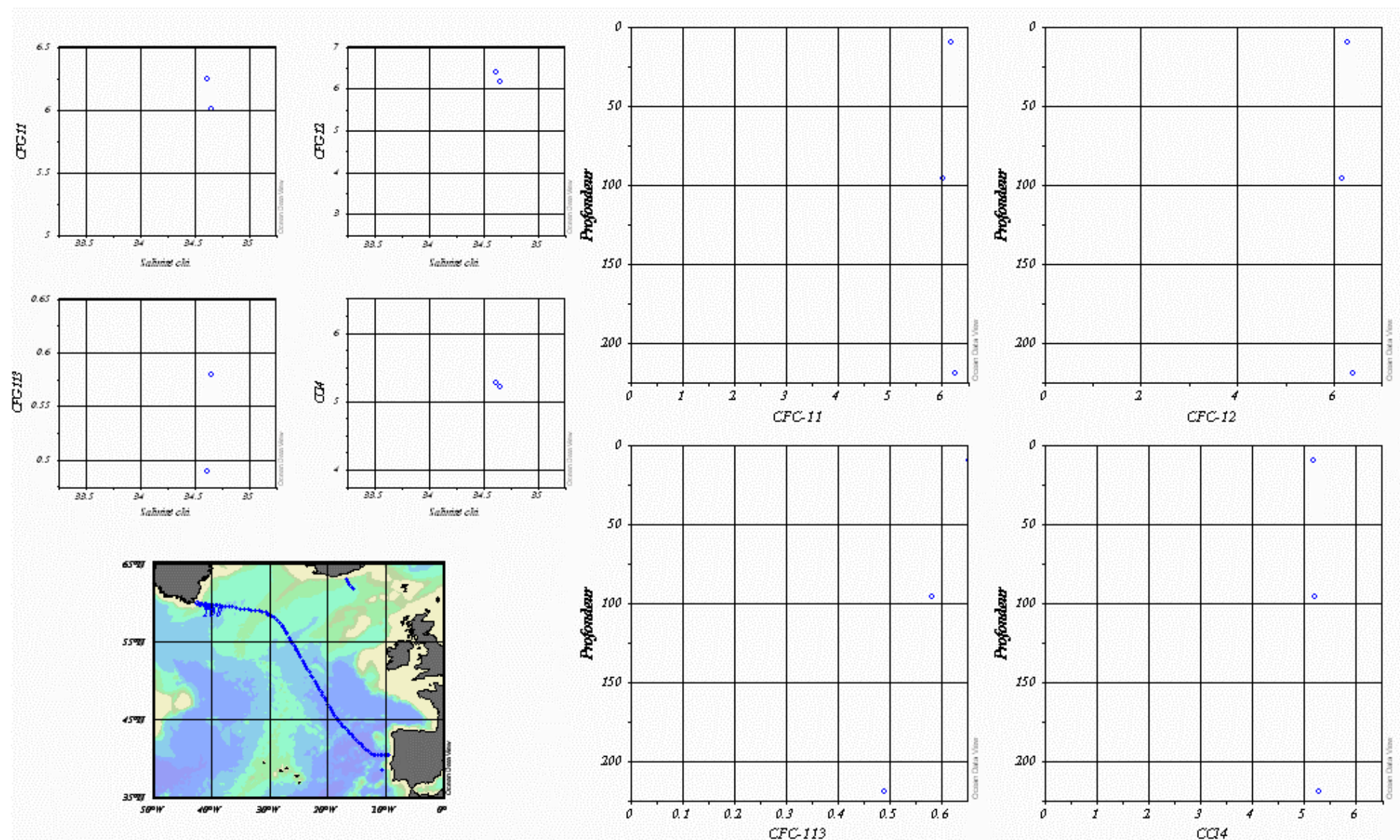




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
108	22/06/2006	02:53:44	59:54:31 N	42:23:85 W	230m

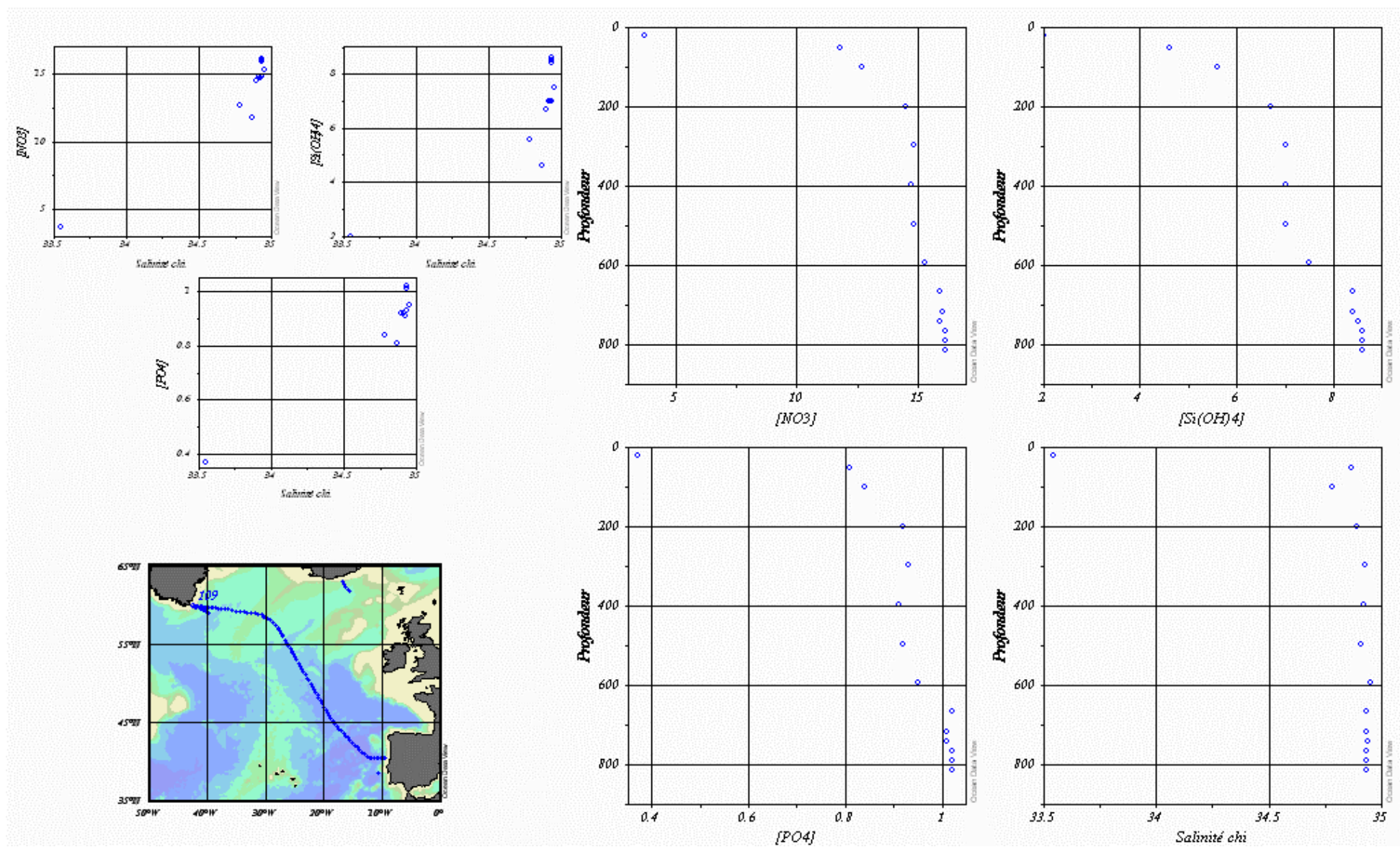
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
108	12	8.9	-8.8	1.808	33.064	33.068	8.037	2.8	1.8	0.30	6.18	6.29	0.65	5.17
108	11	19.8	-19.6	1.658	33.067	33.117	8.111	3.2	2.0	0.32				
108	10	48.6	-48.1	-0.802	33.682	33.813	7.84	7.7	3.9	0.53				
108	9	79.4	-78.6	4.075	34.510	34.518	7.323	8.9	3.8	0.59				
108	8	96.9	-96.0	4.866	34.688	34.651	7.197	10.0	4.1	0.64	6.01	6.16	0.58	5.21
108	7	130.3	-129.0	3.054	34.527	34.529	7.107	12.6	5.7	0.73				
108	6	140.9	-139.5	3.096	34.536	34.540	7.095	12.8	5.8	0.73				
108	5	160.3	-158.7	3.275	34.570	34.575	7.043	13.0	5.9	0.74				
108	4	199.6	-197.6	3.545	34.623	34.625	7.02	13.3	6.0	0.75				
108	3	222.0	-219.8	3.542	34.621	34.623	7.023	13.3	6.0	0.75	6.24	6.40	0.49	5.27

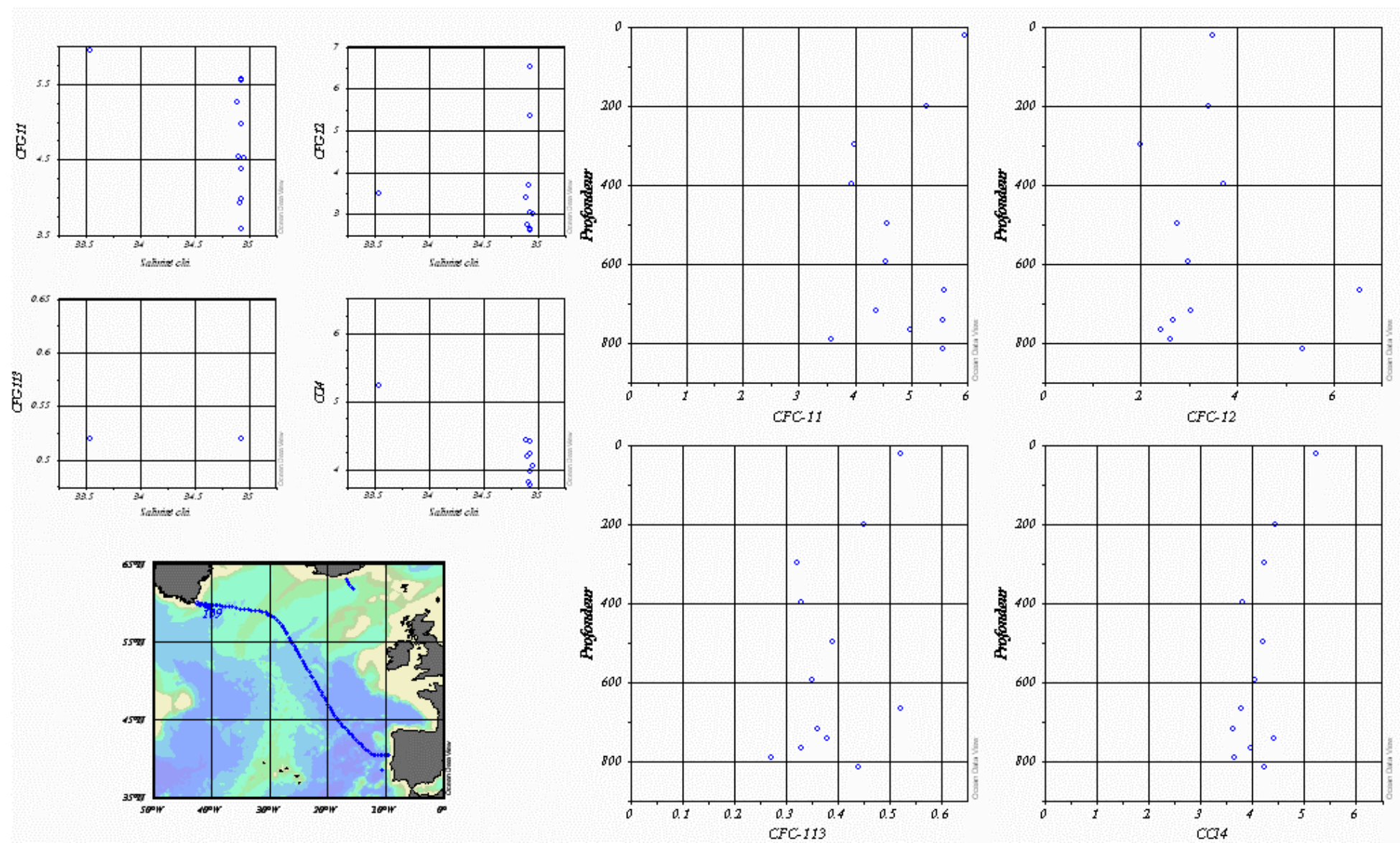




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
109	22/06/2006	09:13:05	59:48:56 N	42:18:11 W	824m

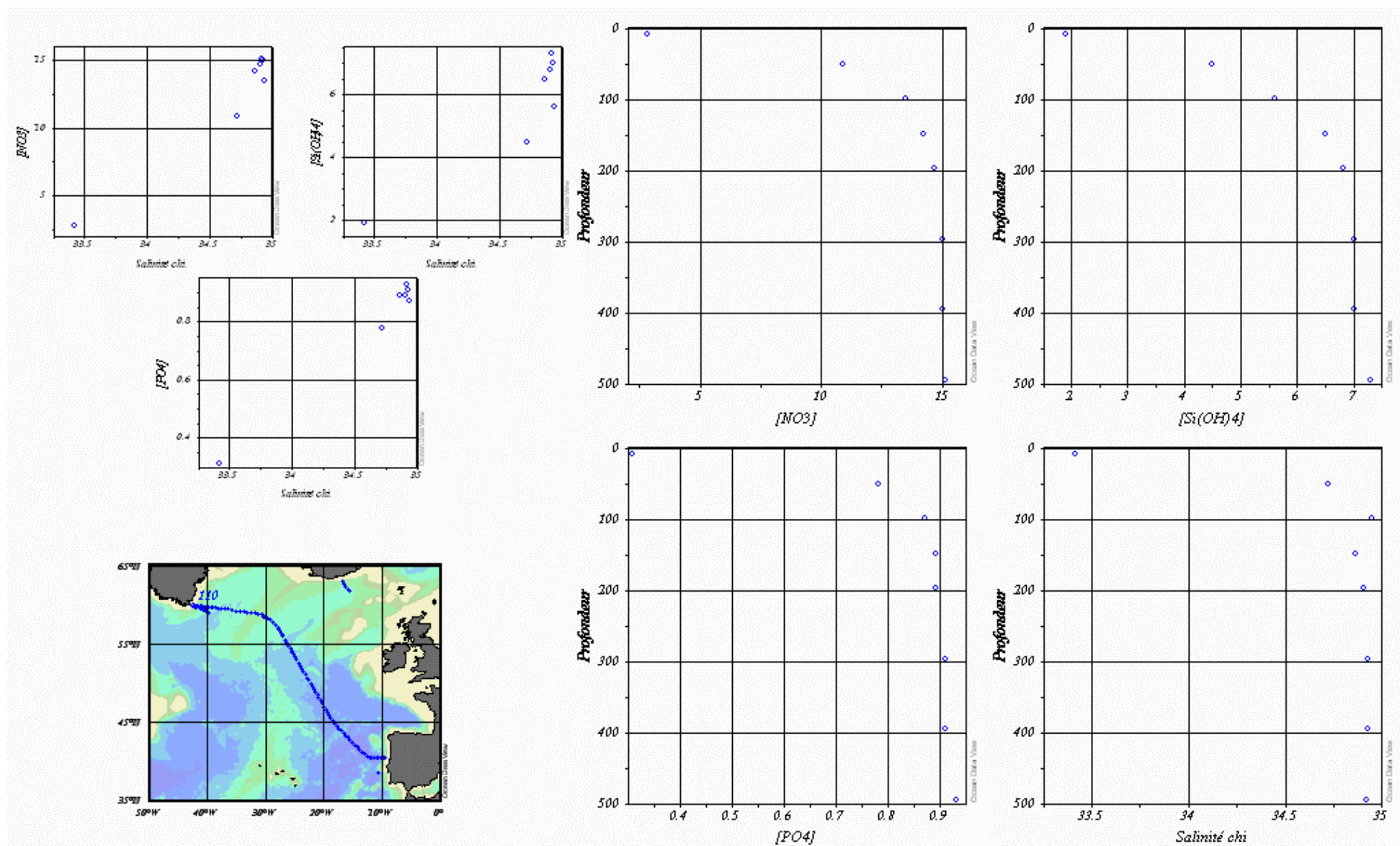
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
109	16	18.4	-18.2	2.997	33.467	33.548	7.817	3.7	2.0	0.37	5.95	3.50	0.52	5.23
109	15	50.5	-50.0	5.514	34.850	34.864	6.91	11.8	4.6	0.81				
109	14	100.9	-99.9	4.665	34.779	34.778	7.073	12.7	5.6	0.84				
109	13	200.1	-198.1	5.053	34.887	34.888	6.732	14.5	6.7	0.92	5.27	3.40	0.45	4.43
109	12	300.3	-297.3	5.209	34.924	34.926	6.688	14.8	7.0	0.93	3.98	2.00	0.32	4.23
109	11	400.8	-396.6	5.118	34.915	34.917	6.693	14.7	7.0	0.91	3.92	3.70	0.33	3.81
109	10	500.4	-495.1	5.038	34.907	34.909	6.694	14.8	7.0	0.92	4.55	2.76	0.39	4.20
109	9	600.1	-593.6	5.120	34.948	34.950	6.962	15.3	7.5	0.95	4.53	2.99	0.35	4.06
109	8	673.7	-666.3	4.526	34.929	34.932	6.531	15.9	8.4	1.02	5.58	6.53	0.52	3.78
109	7	724.8	-716.7	4.520	34.931	34.931	6.524	16.0	8.4	1.01	4.37	3.03	0.36	3.63
109	6	749.7	-741.3	4.458	34.929	34.934	6.515	15.9	8.5	1.01	5.56	2.66	0.38	4.42
109	5	774.4	-765.7	4.419	34.930	34.931	6.525	16.1	8.6	1.02	4.97	2.42	0.33	3.98
109	4	800.4	-791.3	4.394	34.928	34.930	6.498	16.1	8.6	1.02	3.58	2.60	0.27	3.65
109	3	824.7	-815.3	4.387	34.929	34.930	6.508	16.1	8.6	1.02	5.56	5.36	0.44	4.23

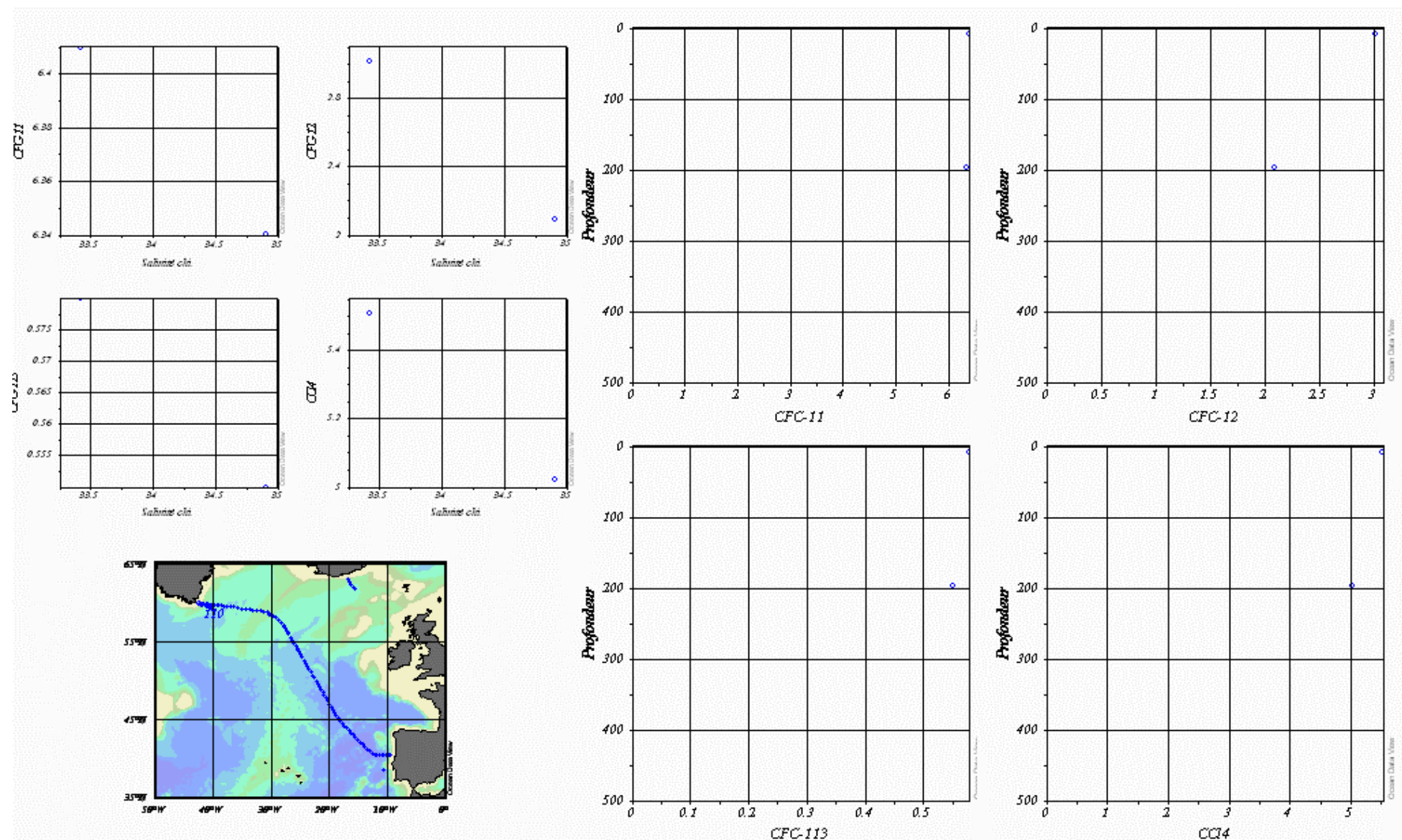




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
110	22/06/2006	11:21:48	59:49:03 N	42:19:07 W	502m

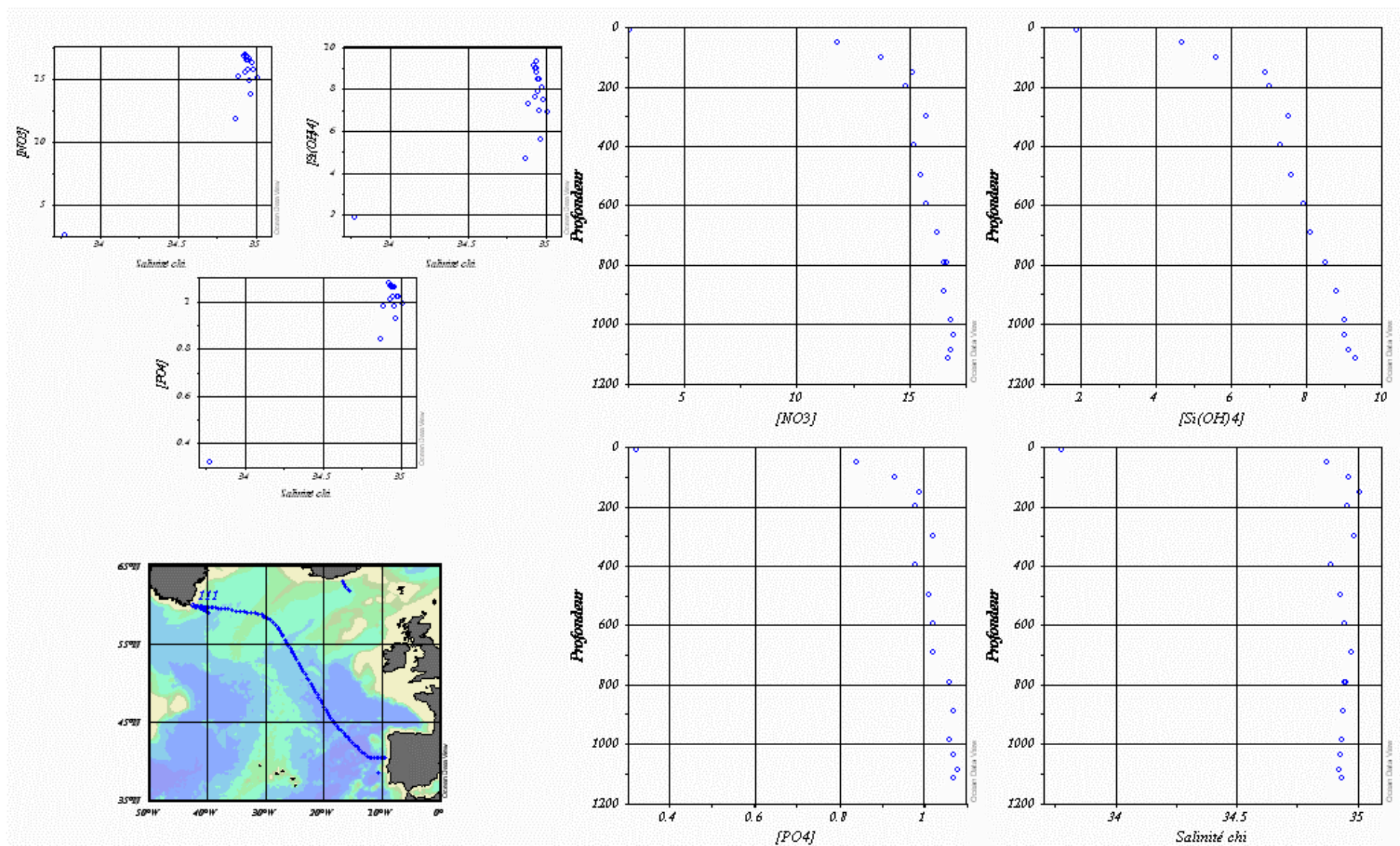
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
110	10	8.5	-8.4	3.610	33.345	33.419	7.825	2.8	1.9	0.31	6.41	3.02	0.58	5.51
110	9	50.6	-50.1	4.682	34.698	34.724	7.033	10.9	4.5	0.78				
110	8	100.2	-99.2	5.697	34.943	34.945	6.751	13.5	5.6	0.87				
110	7	150.7	-149.2	4.907	34.853	34.863	6.767	14.2	6.5	0.89				
110	6	199.9	-197.9	5.132	34.904	34.905	6.709	14.7	6.8	0.89	6.34	2.09	0.55	5.02
110	5	300.0	-297.0	5.216	34.927	34.928	6.671	15.0	7.0	0.91				
110	4	400.3	-396.1	5.182	34.924	34.928	6.668	15.0	7.0	0.91				
110	3	499.9	-494.6	4.994	34.917	34.920	6.653	15.1	7.3	0.93				

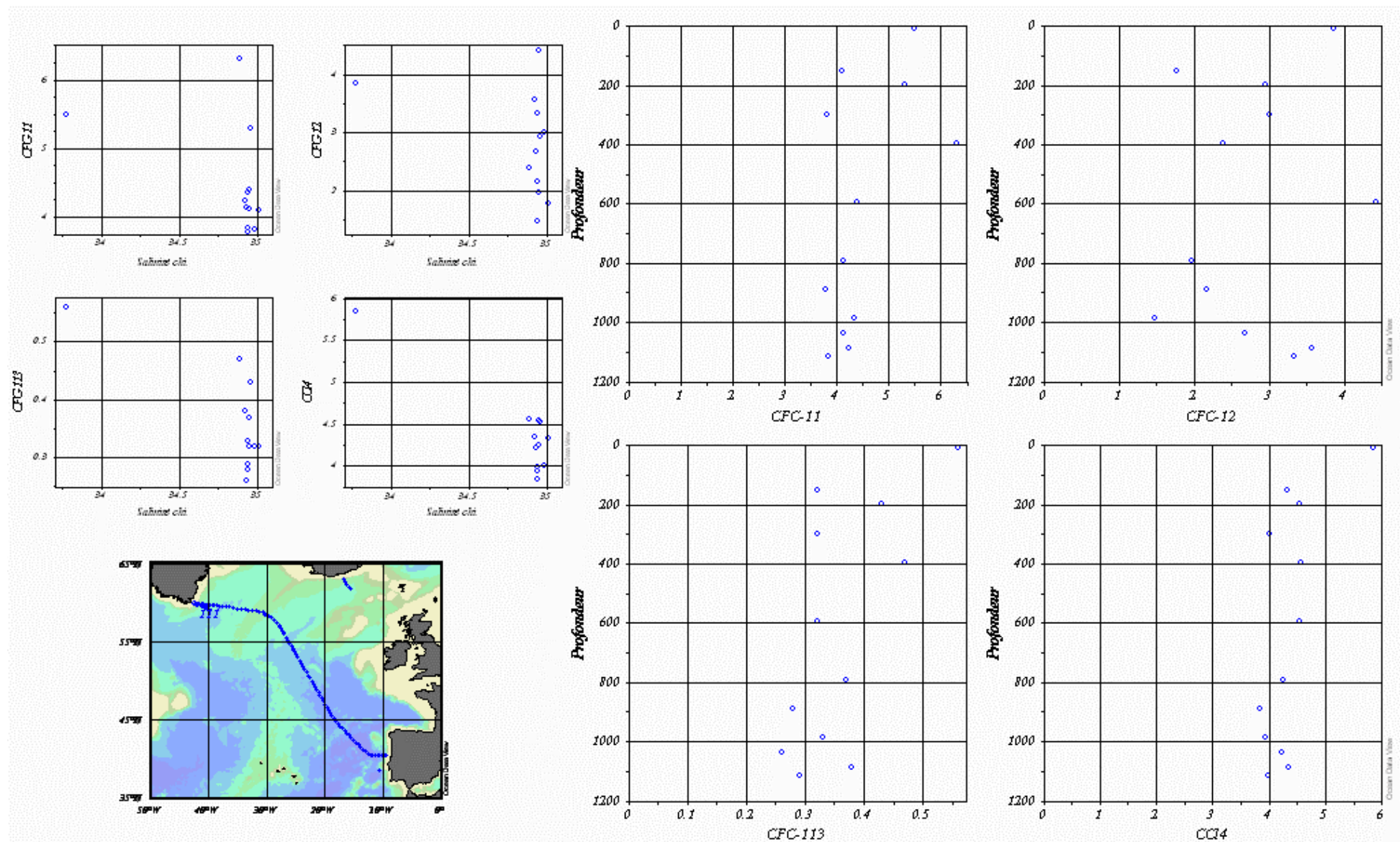




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
111	22/06/2006	13:43:36	59:47:64 N	42:15:95 W	1118m

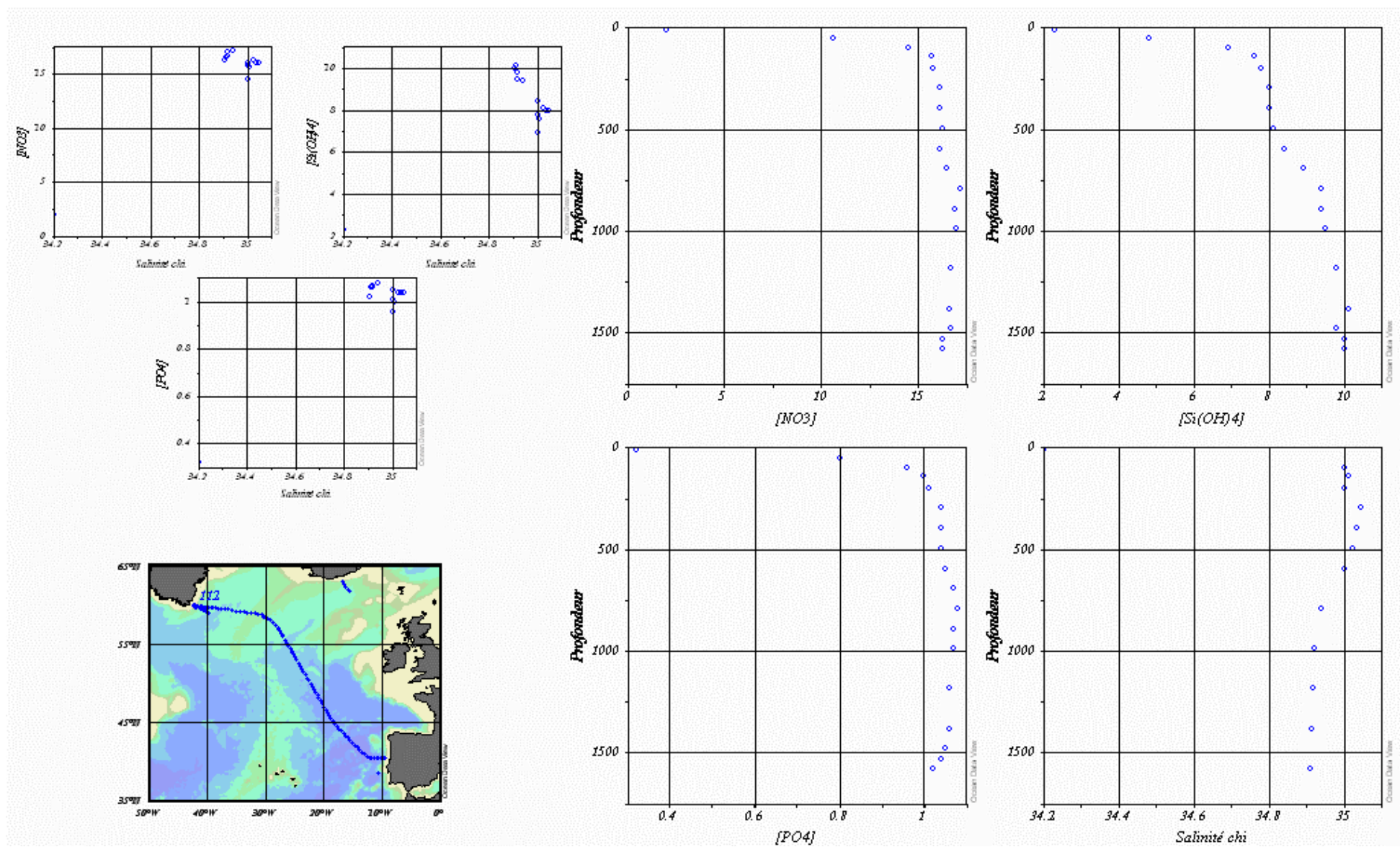
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
111	20	8.8	-8.7	4.770	33.702	33.776	7.815	2.6	1.9	0.32	5.50	3.86	0.56	5.84
111	19	50.1	-49.6	5.509	34.849	34.871	6.883	11.8	4.7	0.84				
111	18	99.9	-98.9	5.778	34.952	34.962	6.725	13.7	5.6	0.93				
111	16	150.2	-148.7	5.801	35.003	35.008	6.653	15.1	6.9	0.99	4.09	1.77	0.32	4.33
111	15	199.4	-197.4	5.396	34.954	34.954	6.66	14.8	7.0	0.98	5.30	2.94	0.43	4.53
111	14	298.7	-295.7	5.398	34.980	34.985	6.59	15.7	7.5	1.02	3.82	3.00	0.32	4.00
111	13	397.7	-393.6	4.711	34.884	34.890	6.709	15.2	7.3	0.98	6.31	2.39	0.47	4.56
111	12	501.5	-496.2	4.871	34.923	34.926	6.619	15.5	7.6	1.01				
111	11	600.6	-594.1	4.896	34.941	34.944	6.593	15.7	7.9	1.02	4.40	4.42	0.32	4.54
111	10	699.7	-691.9	4.987	34.968	34.972	6.585	16.2	8.1	1.02				
111	9	801.8	-792.7	4.675	34.946	34.947	6.488	16.5	8.5	1.06	4.12	1.96	0.37	4.25
111	8	800.8	-791.7	4.667	34.944	34.953	6.479	16.6	8.5	1.06				
111	7	900.4	-890.0	4.440	34.934	34.940	6.451	16.5	8.8	1.07	3.78	2.16	0.28	3.84
111	6	998.8	-987.0	4.292	34.928	34.934	6.419	16.8	9.0	1.06	4.35	1.47	0.33	3.94
111	5	1049.5	-1037.0	4.211	34.926	34.927	6.435	16.9	9.0	1.07	4.13	2.67	0.26	4.22
111	4	1099.1	-1085.9	3.986	34.920	34.922	6.461	16.8	9.1	1.08	4.23	3.57	0.38	4.35
111	3	1127.8	-1114.2	3.941	34.919	34.935	6.453	16.7	9.3	1.07	3.84	3.33	0.29	3.99

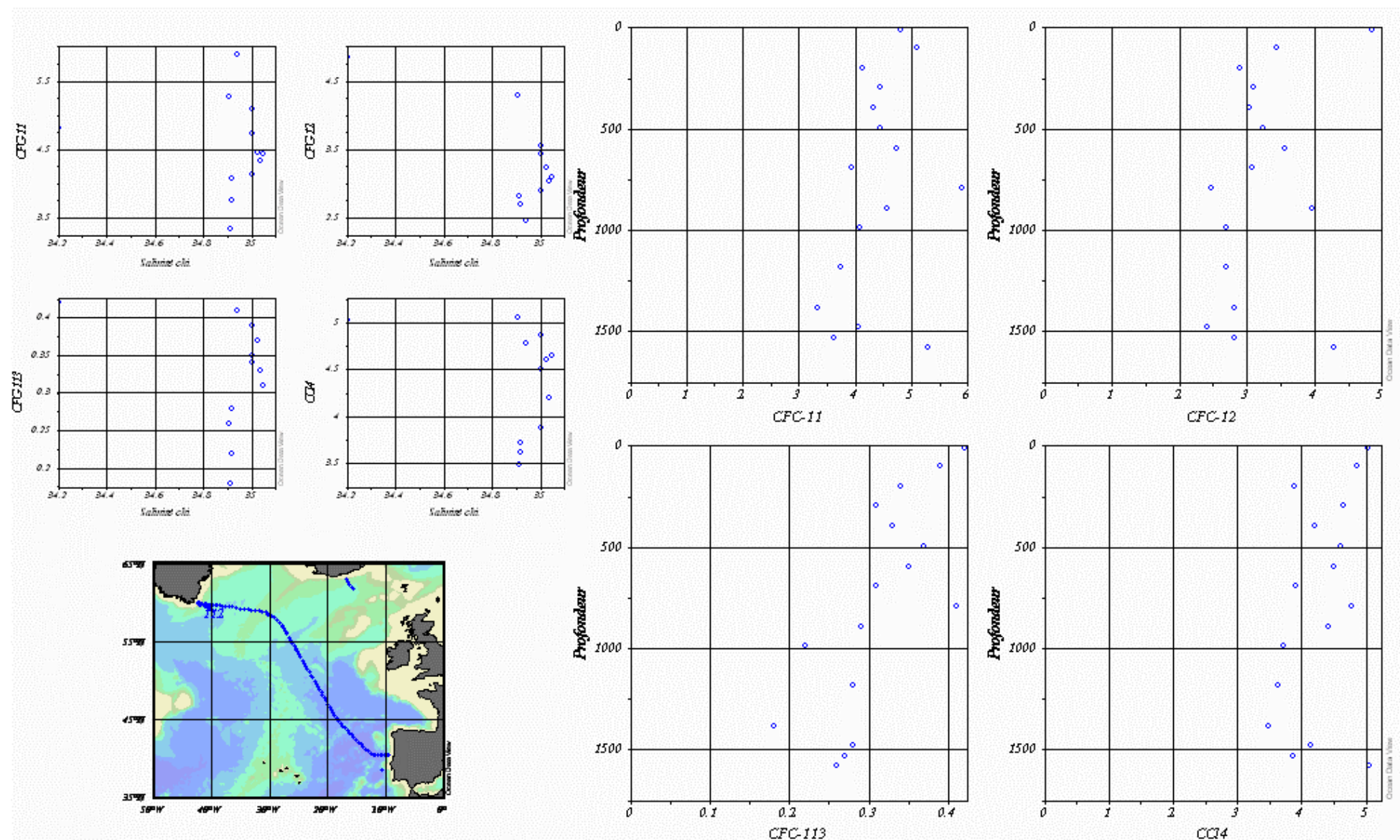




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
112	22/06/2006	15:56:25	59:46:18 N	42:11:60 W	1591m

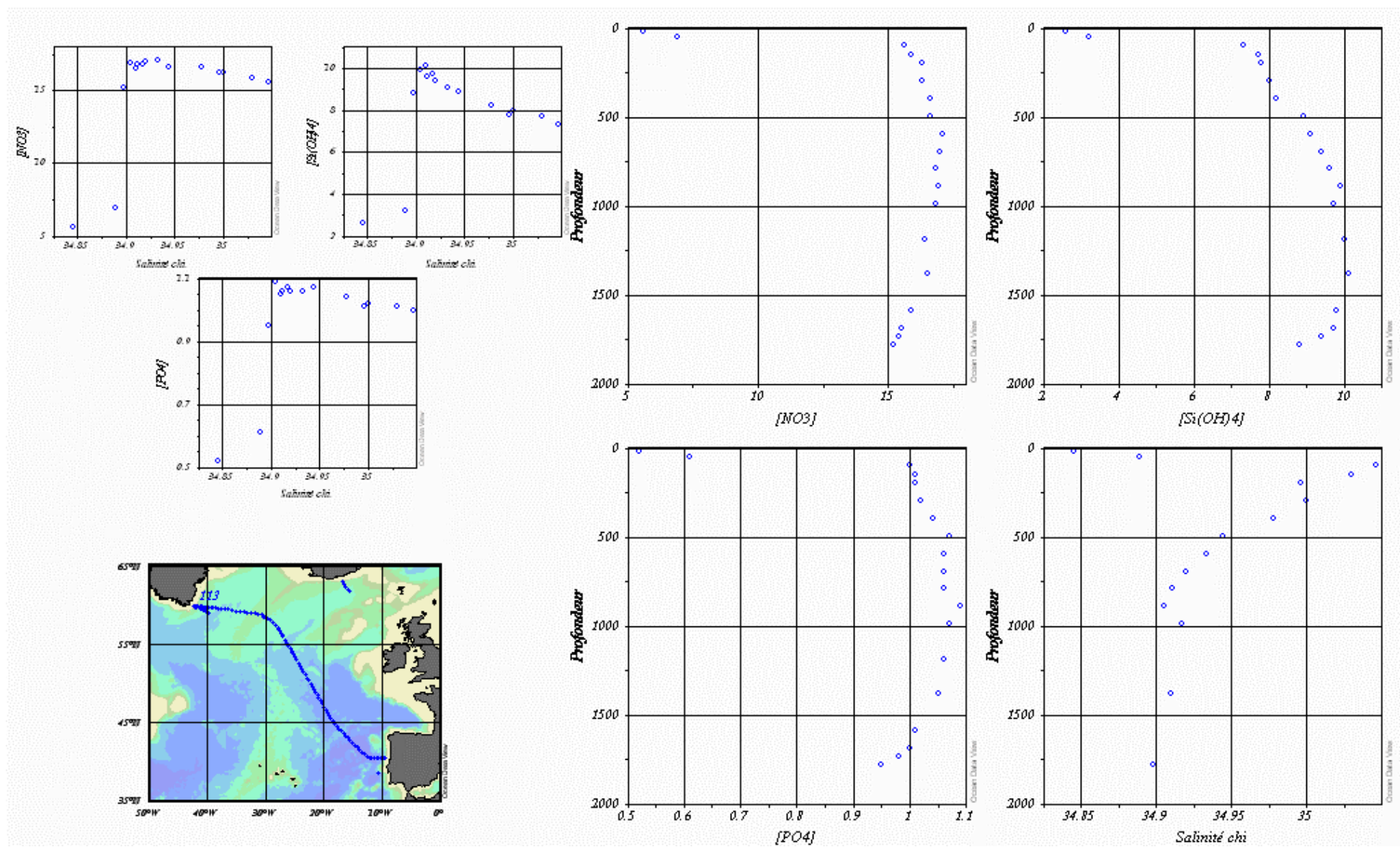
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
112	21	9.5	-9.4	5.768	34.162	34.201	7.861	2.0	2.3	0.32	4.81	4.85	0.42	5.03
112	20	50.2	-49.7	6.444	34.997		6.772	10.6	4.8	0.80				
112	19	99.8	-98.8	5.851	35.007	35.000	6.601	14.5	6.9	0.96	5.10	3.43	0.39	4.86
112	18	142.5	-141.1	5.924	35.043	35.010	6.534	15.7	7.6	1.00				
112	16	200.0	-198.0	5.709	35.030	35.002		15.8	7.8	1.01	4.13	2.89	0.34	3.88
112	15	299.0	-296.0	5.471	35.020	35.045	6.583	16.1	8.0	1.04	4.44	3.09	0.31	4.65
112	14	399.6	-395.5	5.214	34.996	35.034	6.632	16.1	8.0	1.04	4.33	3.03	0.33	4.20
112	13	499.1	-493.8	5.194	35.004	35.023	6.684	16.3	8.1	1.04	4.45	3.23	0.37	4.60
112	12	599.8	-593.3	4.985	34.984	34.999	6.625	16.1	8.4	1.05	4.73	3.55	0.35	4.50
112	11	699.3	-691.6	4.608	34.945			16.5	8.9	1.07	3.94	3.07	0.31	3.91
112	10	799.2	-790.2	4.338	34.934	34.939	6.352	17.2	9.4	1.08	5.90	2.46	0.41	4.78
112	9	899.1	-888.7	4.010	34.919			16.9	9.4	1.07	4.56	3.97	0.29	4.41
112	8	999.4	-987.6	3.892	34.914	34.919	6.454	17.0	9.5	1.07	4.07	2.70	0.22	3.72
112	7	1199.0	-1184.3	3.568	34.913	34.916	6.469	16.7	9.8	1.06	3.75	2.69	0.28	3.62
112	6	1399.8	-1382.0	3.257	34.913	34.914	6.537	16.6	10.1	1.06	3.33	2.82	0.18	3.49
112	5	1499.1	-1479.7	3.120	34.909			16.7	9.8	1.05	4.05	2.41	0.28	4.14
112	4	1549.0	-1528.7	3.064	34.908			16.3	10.0	1.04	3.62	2.82	0.27	3.87
112	3	1599.1	-1578.0	2.962	34.906	34.908	6.615	16.3	10.0	1.02	5.28	4.29	0.26	5.05

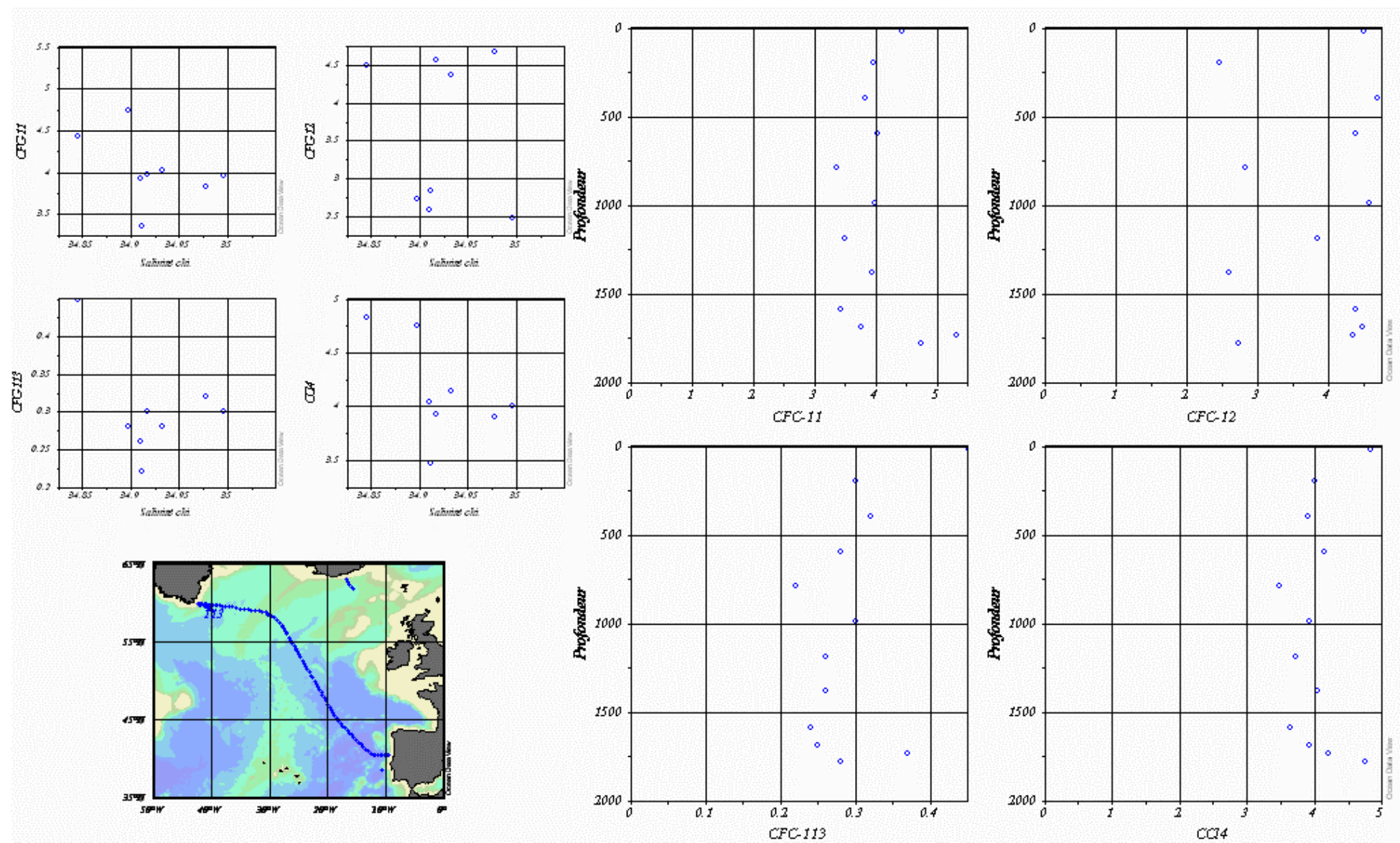




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
113	22/06/2006	18:34:24	59:41:97 N	41:59:98 W	1795m

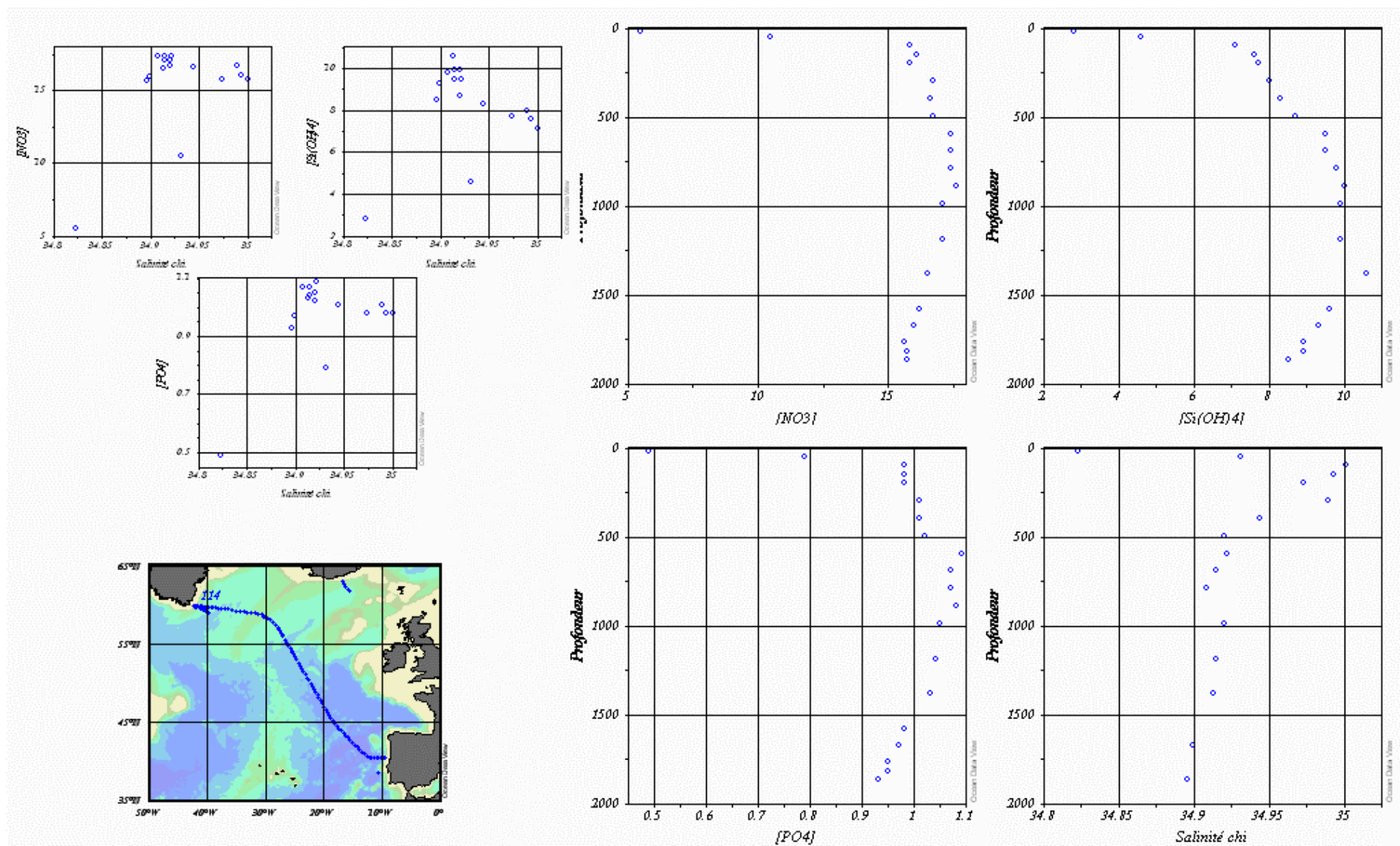
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
113	21	16.1	-15.9	6.712	34.842	34.845	7.123	5.6	2.6	0.52	4.43	4.50	0.45	4.83
113	20	50.0	-49.5	6.610	34.874	34.889	7.002	6.9	3.2	0.61				
113	19	100.8	-99.8	5.936	35.044	35.046	6.53	15.6	7.3	1.00				
113	18	150.0	-148.5	5.684	35.029	35.030	6.536	15.9	7.7	1.01				
113	17	199.6	-197.6	5.356	35.000	34.996	6.59	16.3	7.8	1.01	3.96	2.47	0.30	4.00
113	16	299.0	-296.0	5.141	34.997	35.000	6.68	16.3	8.0	1.02				
113	15	400.1	-396.0	4.929	34.974	34.978	6.653	16.6	8.2	1.04	3.83	4.69	0.32	3.90
113	14	499.8	-494.5	4.550	34.941	34.944	6.414	16.6	8.9	1.07				
113	13	600.2	-593.7	4.255	34.926	34.933	6.403	17.1	9.1	1.06	4.02	4.37	0.28	4.15
113	12	700.6	-692.8	3.983	34.916	34.920	6.413	17.0	9.4	1.06				
113	11	800.0	-791.0	3.779	34.909	34.911	6.447	16.8	9.6	1.06	3.36	2.83	0.22	3.47
113	10	899.3	-888.9	3.604	34.903	34.905	6.458	16.9	9.9	1.09				
113	9	999.7	-987.9	3.568	34.917	34.917	6.478	16.8	9.7	1.07	3.97	4.57	0.30	3.93
113	8	1200.1	-1185.4	3.337	34.918			16.4	10.0	1.06	3.49	3.84	0.26	3.71
113	7	1399.9	-1382.1	3.024	34.909	34.910	6.572	16.5	10.1	1.05	3.93	2.59	0.26	4.04
113	6	1609.8	-1588.5	2.703	34.900			15.9	9.8	1.01	3.43	4.38	0.24	3.63
113	5	1709.6	-1686.6	2.549	34.900			15.5	9.7	1.00	3.77	4.47	0.25	3.93
113	4	1759.2	-1735.3	2.396	34.897			15.4	9.4	0.98	5.31	4.33	0.37	4.21
113	3	1808.4	-1783.7	2.205	34.895	34.898	6.823	15.2	8.8	0.95	4.74	2.73	0.28	4.75

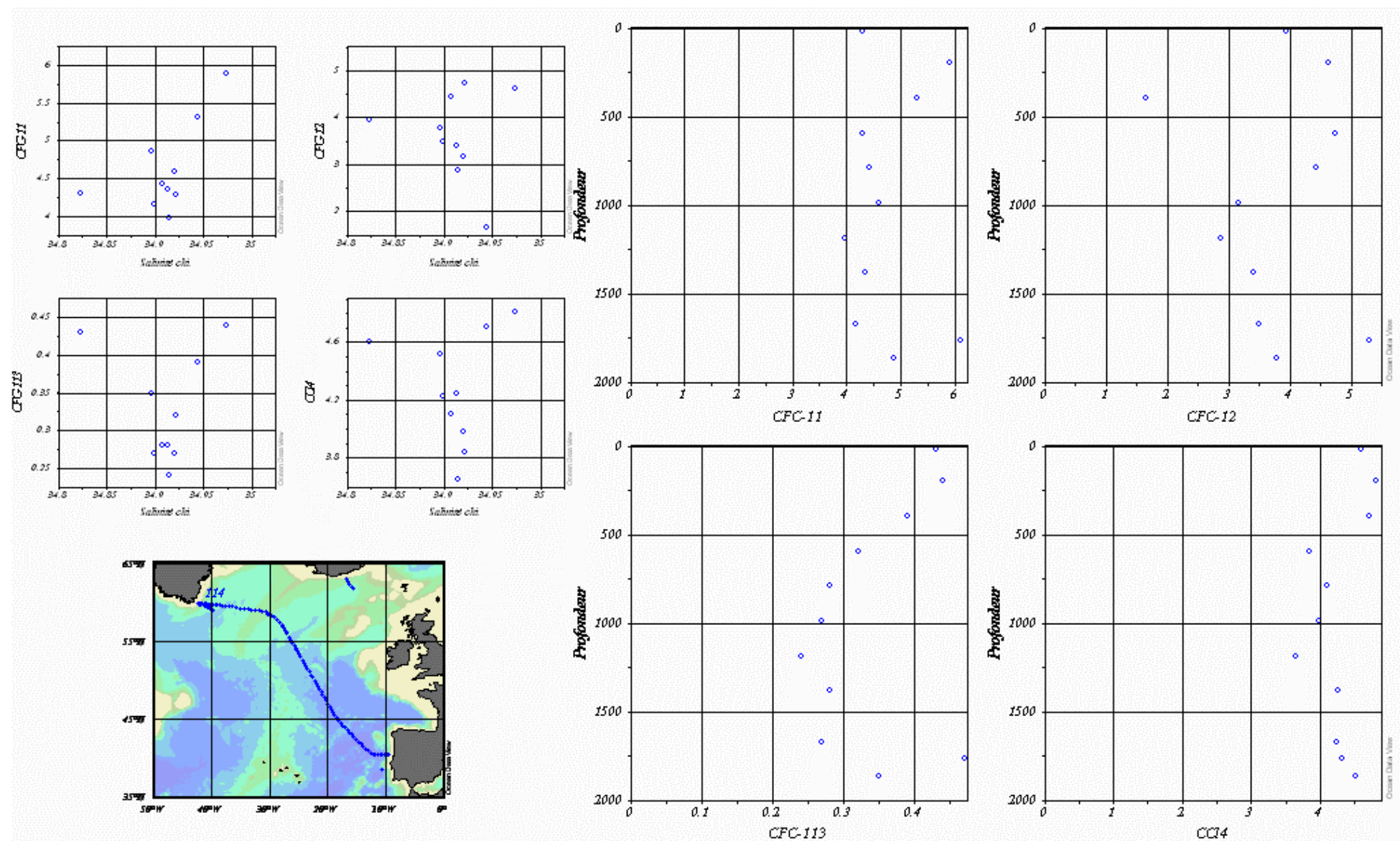




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
114	22/06/2006	21:13:14	59:39:17 N	41:47:52 W	1879m

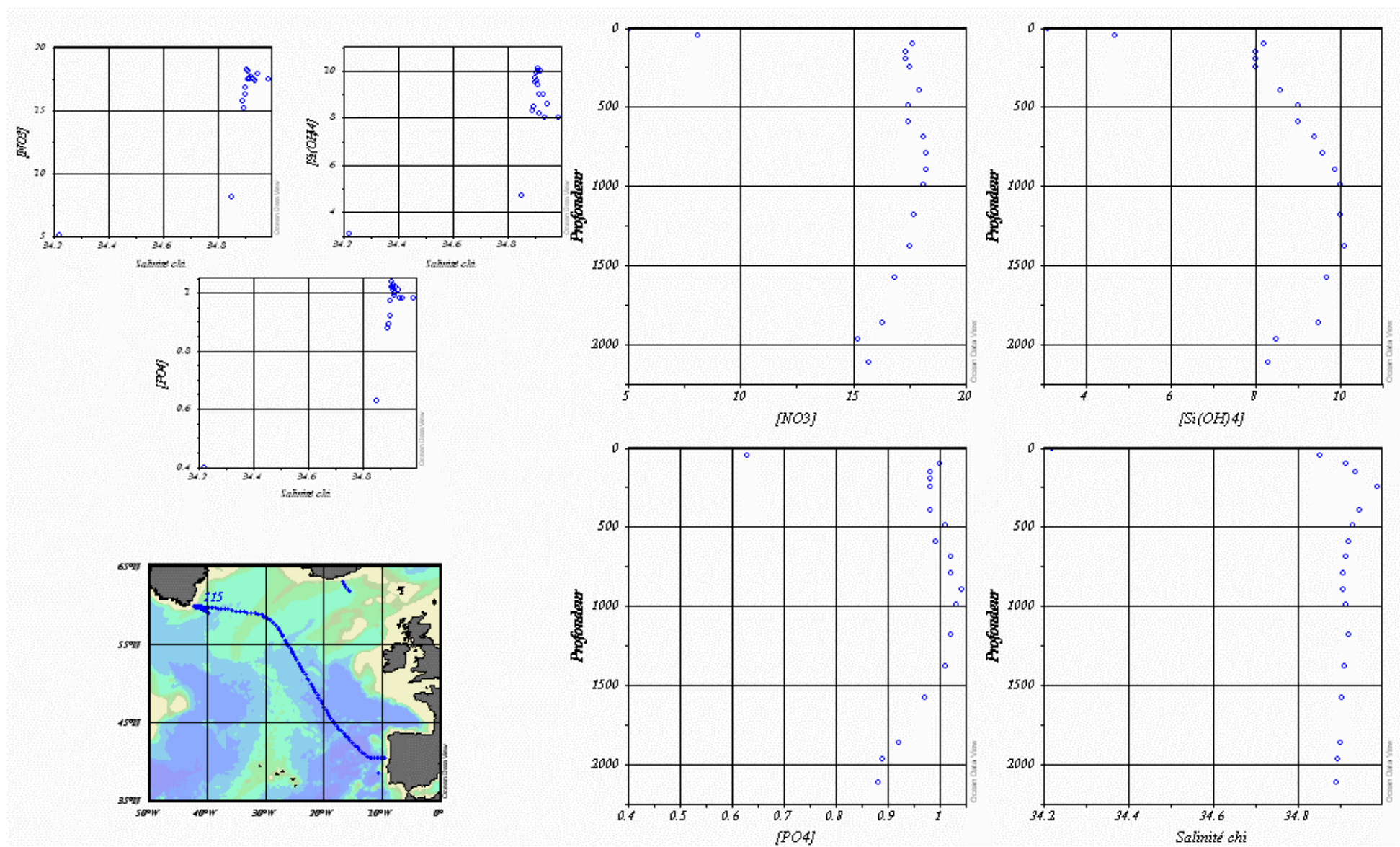
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
114	23	16.4	-16.2	6.967	34.814	34.823	7.109	5.5	2.8	0.49	4.30	3.94	0.43	4.60
114	22	49.9	-49.4	6.130	34.912	34.931	6.833	10.5	4.6	0.79				
114	21	100.9	-99.9	5.637	34.996	35.001	6.584	15.8	7.1	0.98				
114	20	150.1	-148.6	5.391	34.988	34.993	6.601	16.1	7.6	0.98				
114	19	200.5	-198.5	5.115	34.960	34.973	6.601	15.8	7.7	0.98	5.90	4.63	0.44	4.81
114	18	300.1	-297.1	5.077	34.981	34.989	6.672	16.7	8.0	1.01				
114	16	400.4	-396.3	4.669	34.937	34.944	6.553	16.6	8.3	1.01	5.31	1.66	0.39	4.71
114	15	500.8	-495.5	4.298	34.914	34.920	6.482	16.7	8.7	1.02				
114	14	599.9	-593.4	4.068	34.917	34.922	6.4	17.4	9.5	1.09	4.29	4.73	0.32	3.84
114	13	700.0	-692.3	3.822	34.908	34.915	6.448	17.4	9.5	1.07				
114	12	799.7	-790.7	3.630	34.901	34.908	6.472	17.4	9.8	1.07	4.43	4.43	0.28	4.10
114	11	900.4	-890.0	3.571	34.910			17.6	10.0	1.08				
114	10	999.9	-988.1	3.449	34.915	34.920	6.478	17.1	9.9	1.05	4.59	3.17	0.27	3.98
114	9	1200.1	-1185.4	3.200	34.907	34.915	6.57	17.1	9.9	1.04	3.98	2.88	0.24	3.65
114	8	1400.0	-1382.2	2.895	34.909	34.913	6.586	16.5	10.6	1.03	4.35	3.40	0.28	4.25
114	7	1600.0	-1578.9	2.504	34.897			16.2	9.6	0.98				
114	6	1694.6	-1671.9	2.373	34.894	34.899	6.791	16.0	9.3	0.97	4.16	3.50	0.27	4.23
114	5	1793.2	-1768.7	2.233	34.892			15.6	8.9	0.95	6.10	5.30	0.47	4.32
114	4	1843.4	-1818.1	2.181	34.890			15.7	8.9	0.95				
114	3	1894.4	-1868.1	2.070	34.890	34.896	6.449	15.7	8.5	0.93	4.87	3.78	0.35	4.52

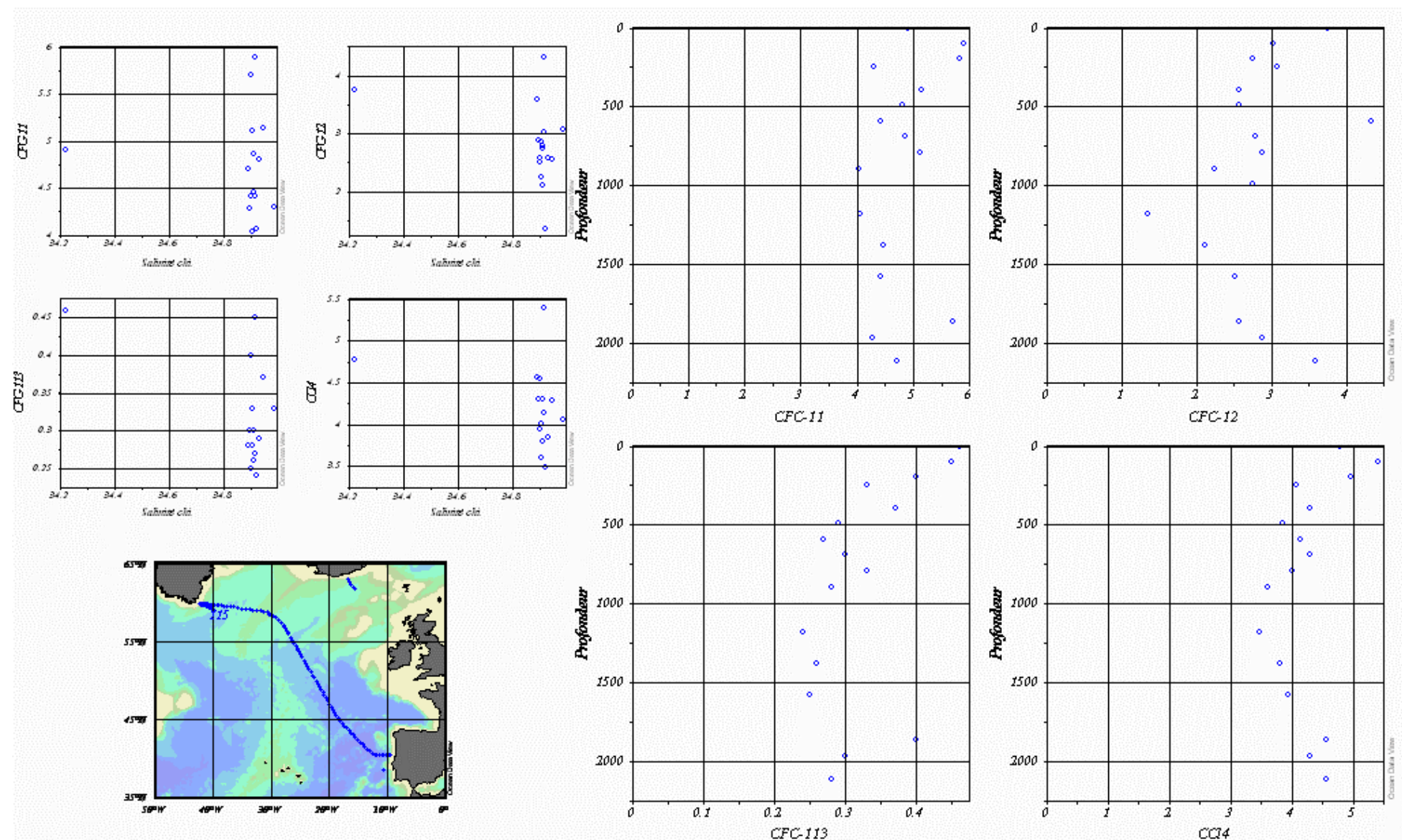




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
115	23/06/2006	00:23:02	59:33:66 N	41:29:15 W	2128m

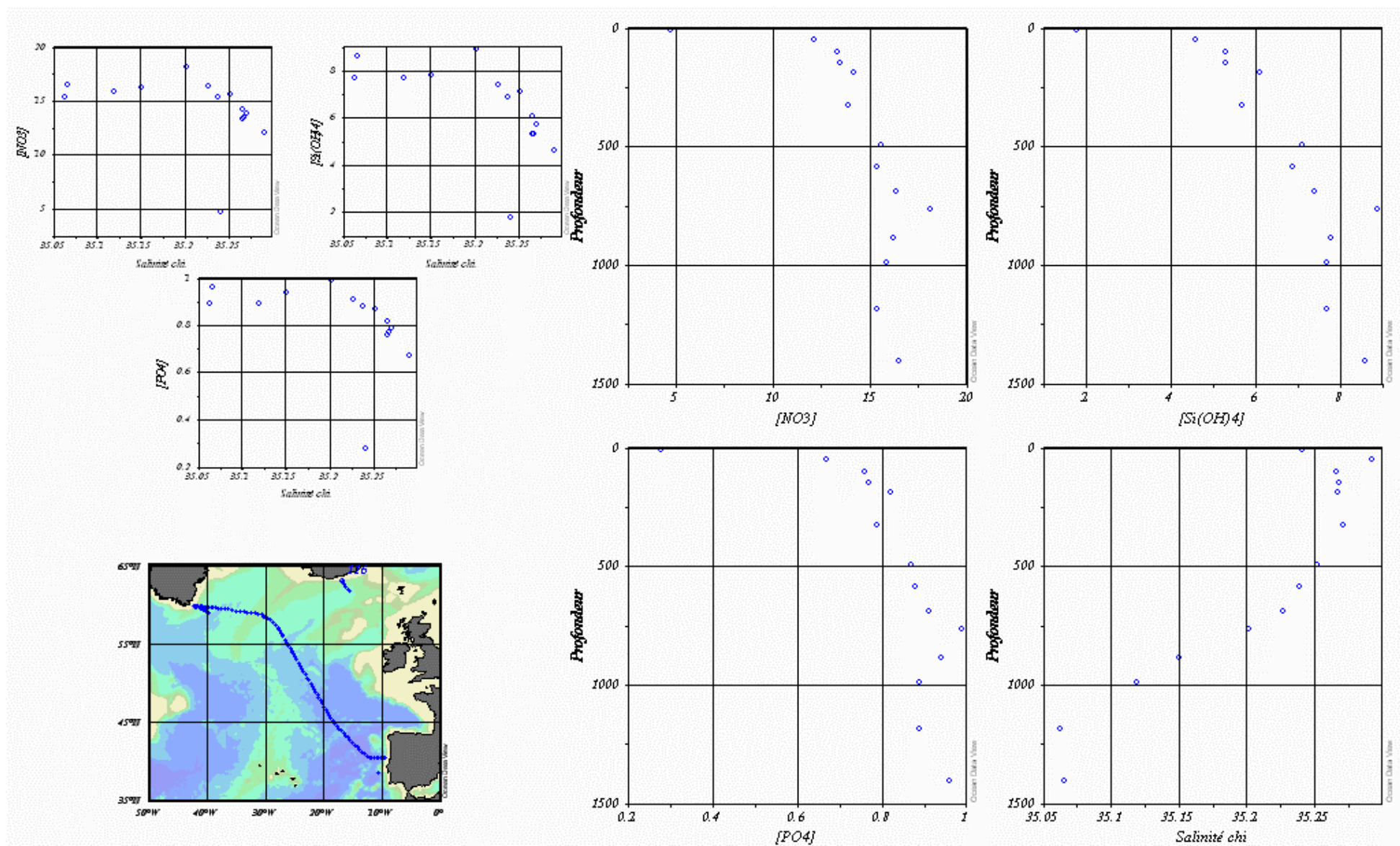
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
115	21	8.3	-8.2	5.696	34.211	34.222	7.347	5.1	3.1	0.40	4.91	3.75	0.46	4.77
115	20	49.4	-48.9	6.467	34.835	34.852	6.936	8.1	4.7	0.63				
115	19	100.4	-99.4	4.967	34.910	34.916	6.715	17.6	8.2	1.00	5.89	3.02	0.45	5.40
115	18	149.6	-148.1	4.895	34.926	34.937	6.674	17.3	8.0	0.98				
115	17	198.5	-196.5	5.083	34.980		6.687	17.3	8.0	0.98	5.81	2.74	0.40	4.96
115	16	248.9	-246.4	5.043	34.984	34.988	6.732	17.5	8.0	0.98	4.29	3.07	0.33	4.06
115	15	398.5	-394.4	4.611	34.940	34.946	6.518	17.9	8.6	0.98	5.14	2.56	0.37	4.29
115	14	497.2	-491.9	4.361	34.928	34.932	6.413	17.4	9.0	1.01	4.81	2.57	0.29	3.85
115	13	598.5	-592.0	4.110	34.915	34.920	6.454	17.4	9.0	0.99	4.42	4.32	0.27	4.14
115	12	699.0	-691.3	3.875	34.909	34.913	6.425	18.1	9.4	1.02	4.86	2.79	0.30	4.30
115	11	800.6	-791.6	3.699	34.903	34.907	6.462	18.2	9.6	1.02	5.11	2.87	0.33	4.01
115	10	902.0	-891.6	3.581	34.902	34.907	6.46	18.2	9.9	1.04	4.04	2.24	0.28	3.60
115	9	999.3	-987.5	3.547	34.910	34.914	6.445	18.1	10.0	1.03		2.75		
115	8	1199.4	-1184.7	3.382	34.915	34.922	6.477	17.7	10.0	1.02	4.06	1.36	0.24	3.48
115	7	1399.7	-1381.9	3.136	34.910	34.911	6.527	17.5	10.1	1.01	4.46	2.11	0.26	3.80
115	6	1598.9	-1577.8	2.828	34.900	34.905	6.641	16.8	9.7	0.97	4.42	2.51	0.25	3.94
115	5	1889.3	-1863.1	2.349	34.897	34.902	6.765	16.3	9.5	0.92	5.70	2.57	0.40	4.55
115	4	2000.5	-1972.3	2.128	34.891	34.895	6.873	15.2	8.5	0.89	4.28	2.88	0.30	4.30
115	3	2149.6	-2118.5	2.003	34.892	34.893	6.898	15.7	8.3	0.88	4.70	3.59	0.28	4.56

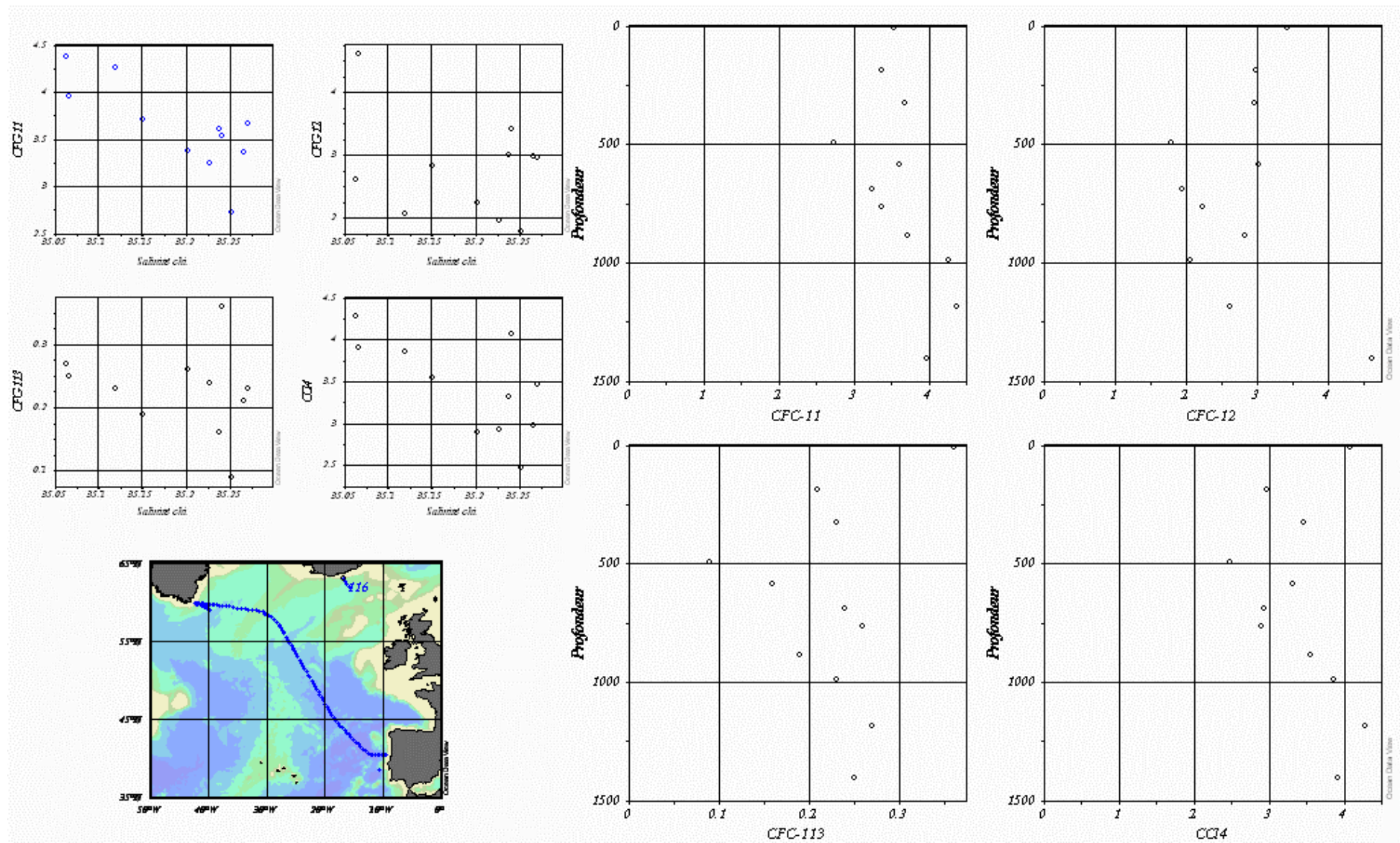




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
116	26/06/2006	02:47:32	63:00:05 N	16:49:91 W	1407m

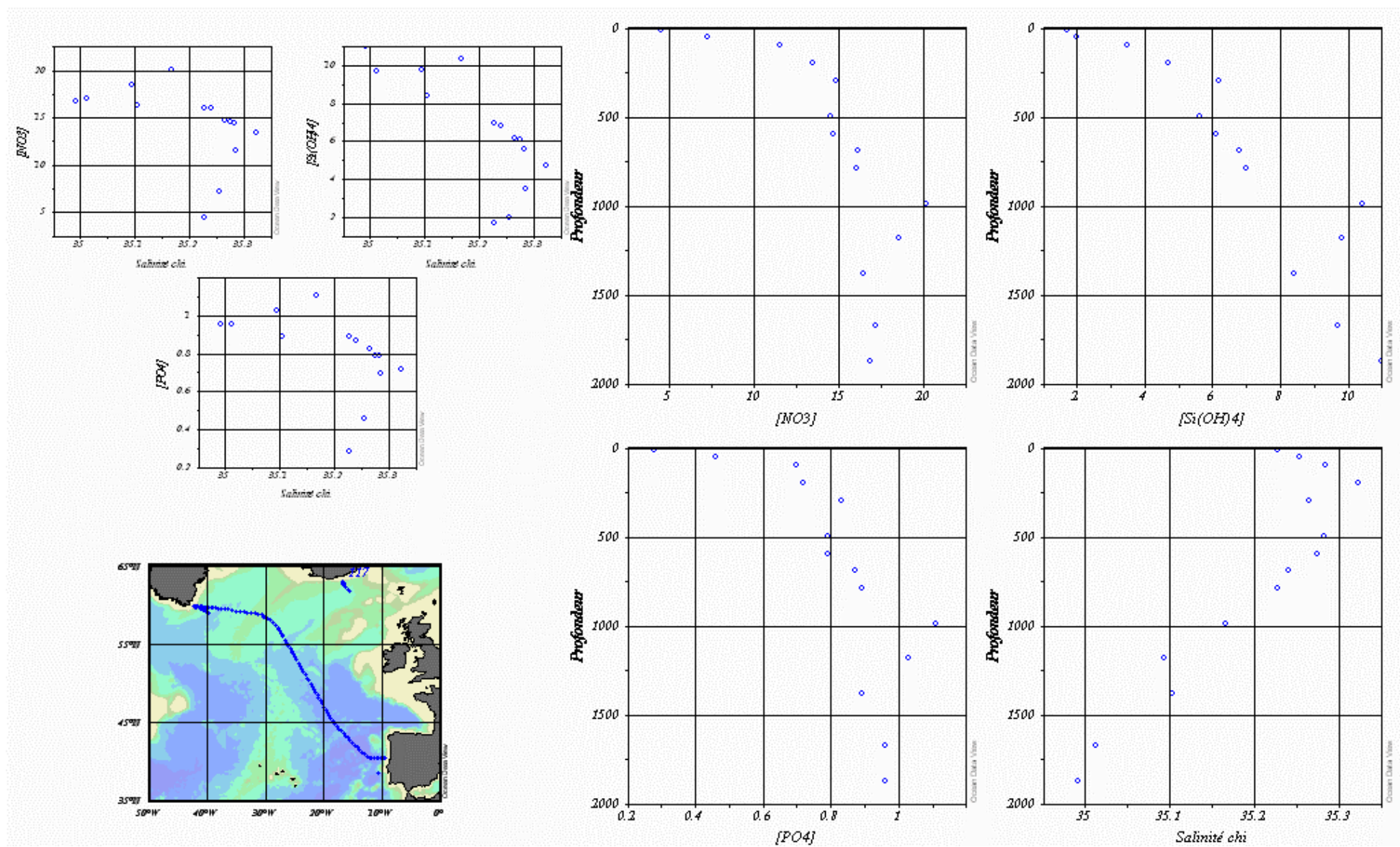
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
116	16	7.5	-7.4	10.820	35.239	35.241	6.717	4.7	1.8	0.28	3.53	3.41	0.36	4.07
116	15	50.9	-50.4	9.650	35.291	35.292	6.026	12.1	4.6	0.67				
116	14	100.0	-99.0	9.285	35.263	35.266	5.963	13.3	5.3	0.76				
116	13	148.7	-147.2	9.069	35.264	35.268	6.046	13.5	5.3	0.77				
116	12	191.1	-189.2	8.938	35.266	35.267	5.974	14.2	6.1	0.82	3.36	2.98	0.21	2.97
116	11	328.7	-325.3	8.740	35.268	35.271	6.22	13.9	5.7	0.79	3.67	2.96	0.23	3.46
116	10	499.8	-494.4	8.318	35.249	35.252	5.887	15.6	7.1	0.87	2.73	1.79	0.09	2.47
116	9	594.9	-588.3	8.083	35.235	35.239	6.059	15.4	6.9	0.88	3.61	3.01	0.16	3.31
116	8	694.6	-686.7	7.840	35.223	35.227	5.949	16.4	7.4	0.91	3.24	1.95	0.24	2.93
116	7	771.9	-763.0	7.407	35.200	35.202	5.593	18.1	8.9	0.99	3.37	2.23	0.26	2.90
116	6	898.3	-887.7	6.433	35.145	35.150	6.131	16.2	7.8	0.94	3.71	2.83	0.19	3.55
116	5	999.2	-987.2	5.602	35.116	35.119	6.322	15.9	7.7	0.89	4.26	2.06	0.23	3.85
116	4	1199.4	-1184.4	4.581	35.059	35.063	6.523	15.4	7.7	0.89	4.37	2.61	0.27	4.28
116	3	1425.3	-1406.7	4.144	35.063	35.066	6.398	16.5	8.6	0.96	3.96	4.60	0.25	3.91

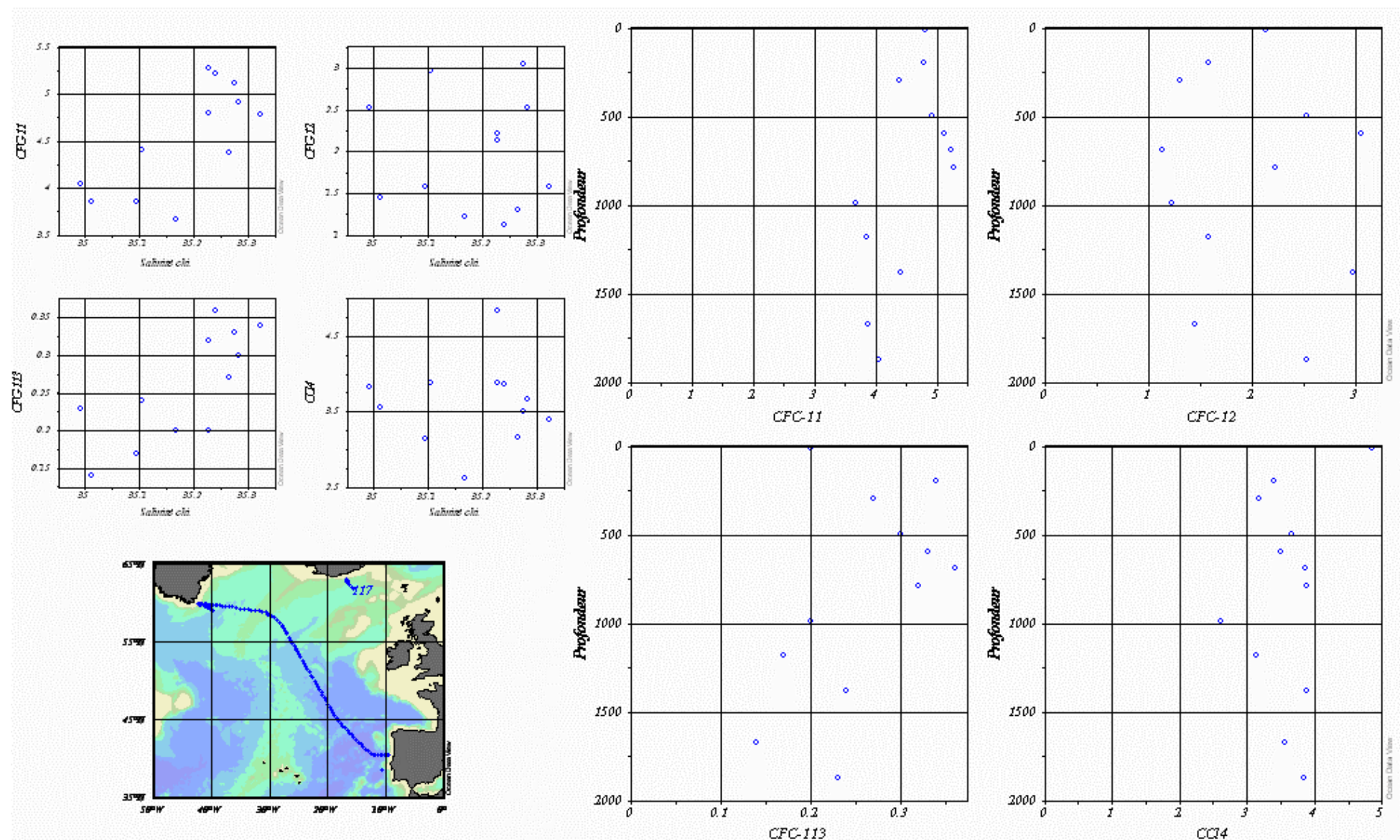




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
117	26/06/2006	06:24:12	62:40:26 N	16:30:12 W	1875m

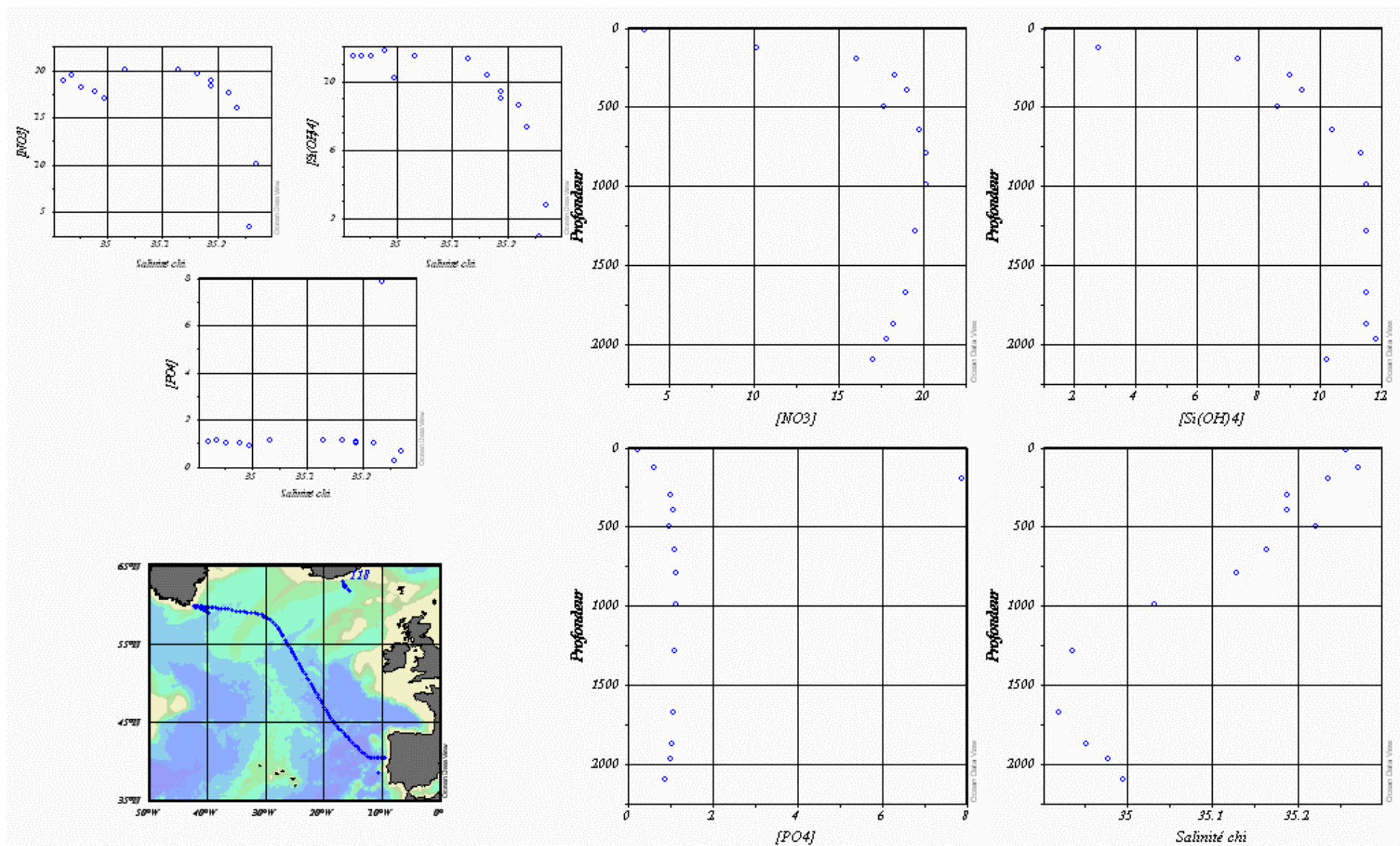
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
117	16	8.1	-8.0	10.778	35.224	35.226	6.754	4.5	1.7	0.28	4.80	2.13	0.20	4.85
117	15	50.2	-49.7	10.266	35.235	35.253	6.425	7.2	2.0	0.46				
117	14	100.1	-99.1	9.247	35.282	35.283	6.225	11.5	3.5	0.70				
117	13	199.0	-197.0	9.194	35.316	35.321	6.17	13.4	4.7	0.72	4.78	1.58	0.34	3.39
117	12	299.6	-296.5	8.756	35.264	35.264	6.04	14.8	6.2	0.83	4.38	1.30	0.27	3.17
117	11	499.7	-494.3	8.601	35.276	35.281	6.182	14.5	5.6	0.79	4.92	2.52	0.30	3.66
117	10	599.4	-592.8	8.448	35.270	35.274	6.205	14.6	6.1	0.79	5.12	3.05	0.33	3.50
117	9	699.3	-691.4	8.094	35.236	35.239	6.082	16.1	6.8	0.87	5.22	1.13	0.36	3.86
117	8	800.0	-790.8	7.851	35.225	35.226	6.097	16.0	7.0	0.89	5.27	2.22	0.32	3.88
117	7	999.3	-987.3	6.928	35.165	35.166	5.25	20.1	10.4	1.11	3.66	1.22	0.20	2.61
117	6	1199.3	-1184.3	5.514	35.089	35.093	5.858	18.5	9.8	1.03	3.85	1.58	0.17	3.14
117	5	1399.5	-1381.4	5.015	35.100	35.103	6.259	16.4	8.4	0.89	4.40	2.97	0.24	3.89
117	4	1700.0	-1676.8	3.117	35.009	35.012	6.436	17.1	9.7	0.96	3.86	1.45	0.14	3.56
117	3	1900.3	-1873.5	2.275	34.989	34.991	6.528	16.8	11.0	0.96	4.05	2.52	0.23	3.84

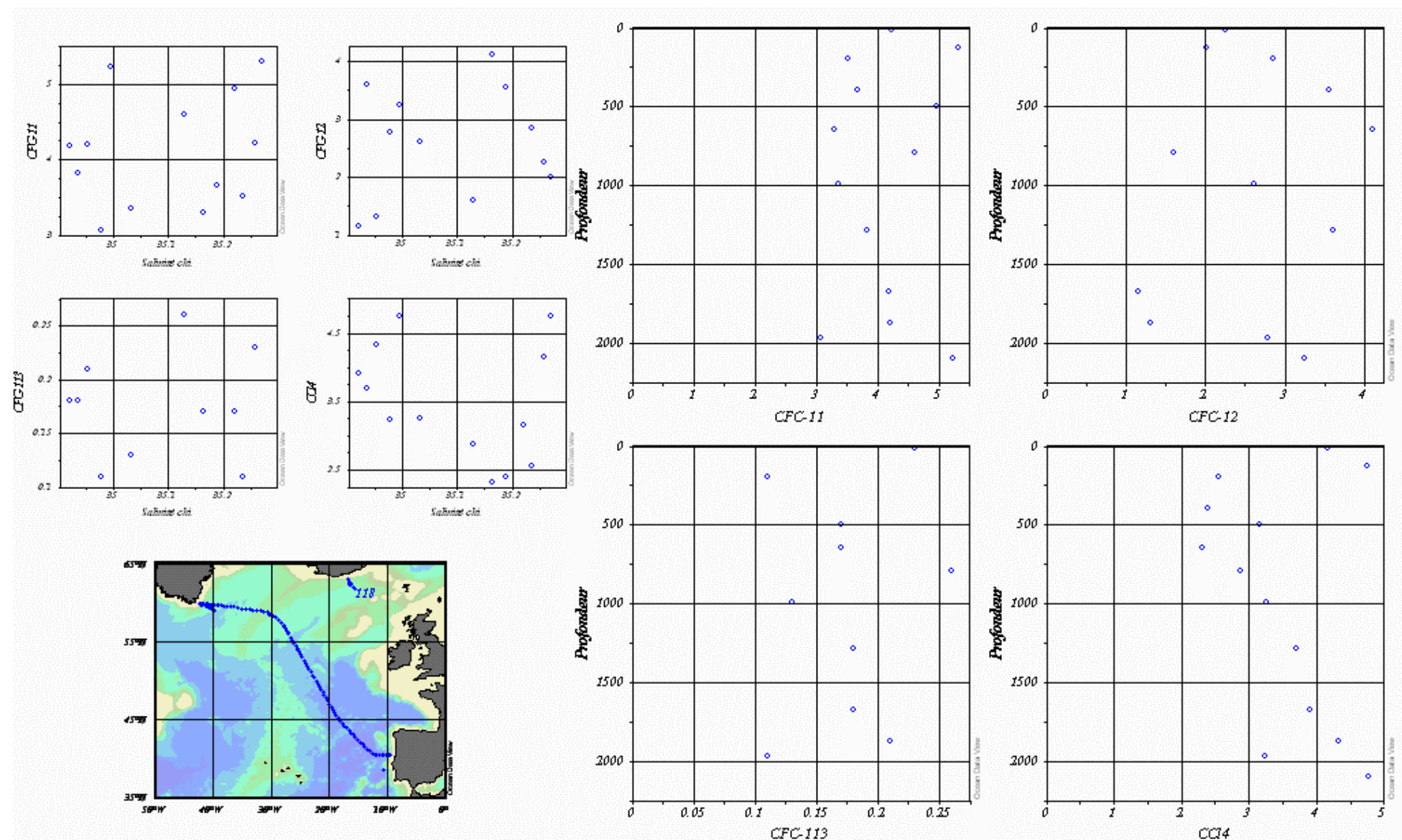




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
118	26/06/2006	12:15:51	62:19:87 N	16:10:33 W	2102m

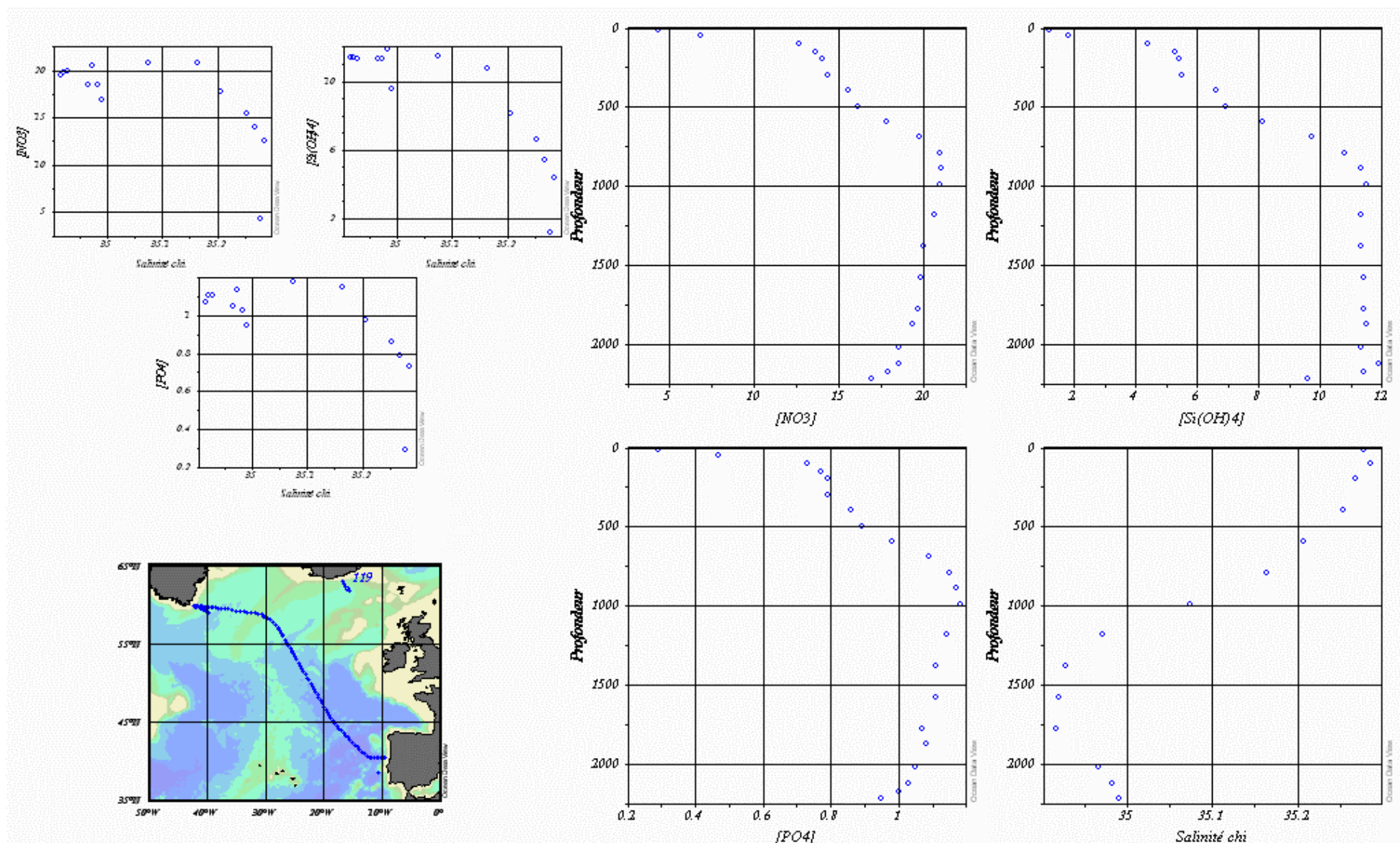
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
118	16	9.2	-9.1	11.284	35.253	35.258	6.629	3.5	1.0	0.24	4.22	2.25	0.23	4.16
118	15	124.7	-123.5	9.218	35.268	35.272	6.384	10.1	2.8	0.64	5.31	2.01		4.75
118	14	199.9	-197.9	8.748	35.226	35.237	5.562	16.0	7.3	7.88	3.52	2.85	0.11	2.56
118	13	300.6	-297.5	8.334	35.184	35.188	5.133	18.3	9.0	1.03				
118	12	400.0	-395.8	8.010	35.180	35.188	5.116	19.0	9.4	1.07	3.67	3.55		2.39
118	11	500.1	-494.7	7.871	35.219	35.222	5.528	17.6	8.6	0.99	4.95		0.17	3.16
118	10	650.0	-642.7	7.096	35.160	35.164	5.15	19.7	10.4	1.12	3.30	4.11	0.17	2.31
118	9	800.0	-790.8	6.215	35.124	35.128	5.236	20.1	11.3	1.15	4.60	1.60	0.26	2.87
118	8	998.7	-986.7	5.020	35.025	35.031	5.619	20.1	11.5	1.15	3.35	2.61	0.13	3.25
118	7	1297.7	-1281.2	3.887	34.932	34.934	6.143	19.5	11.5	1.12	3.83	3.61	0.18	3.70
118	6	1698.0	-1674.9	3.320	34.913	34.918	6.41	18.9	11.5	1.08	4.18	1.16	0.18	3.91
118	5	1898.9	-1872.1	3.214	34.948	34.951	6.415	18.2	11.5	1.04	4.20	1.31	0.21	4.33
118	4	1999.8	-1971.2	3.095	34.975	34.976	6.385	17.8	11.8	1.03	3.07	2.78	0.11	3.24
118	3	2129.8	-2098.7	2.264	34.991	34.995	6.548	17.0	10.2	0.89	5.23	3.24		4.76

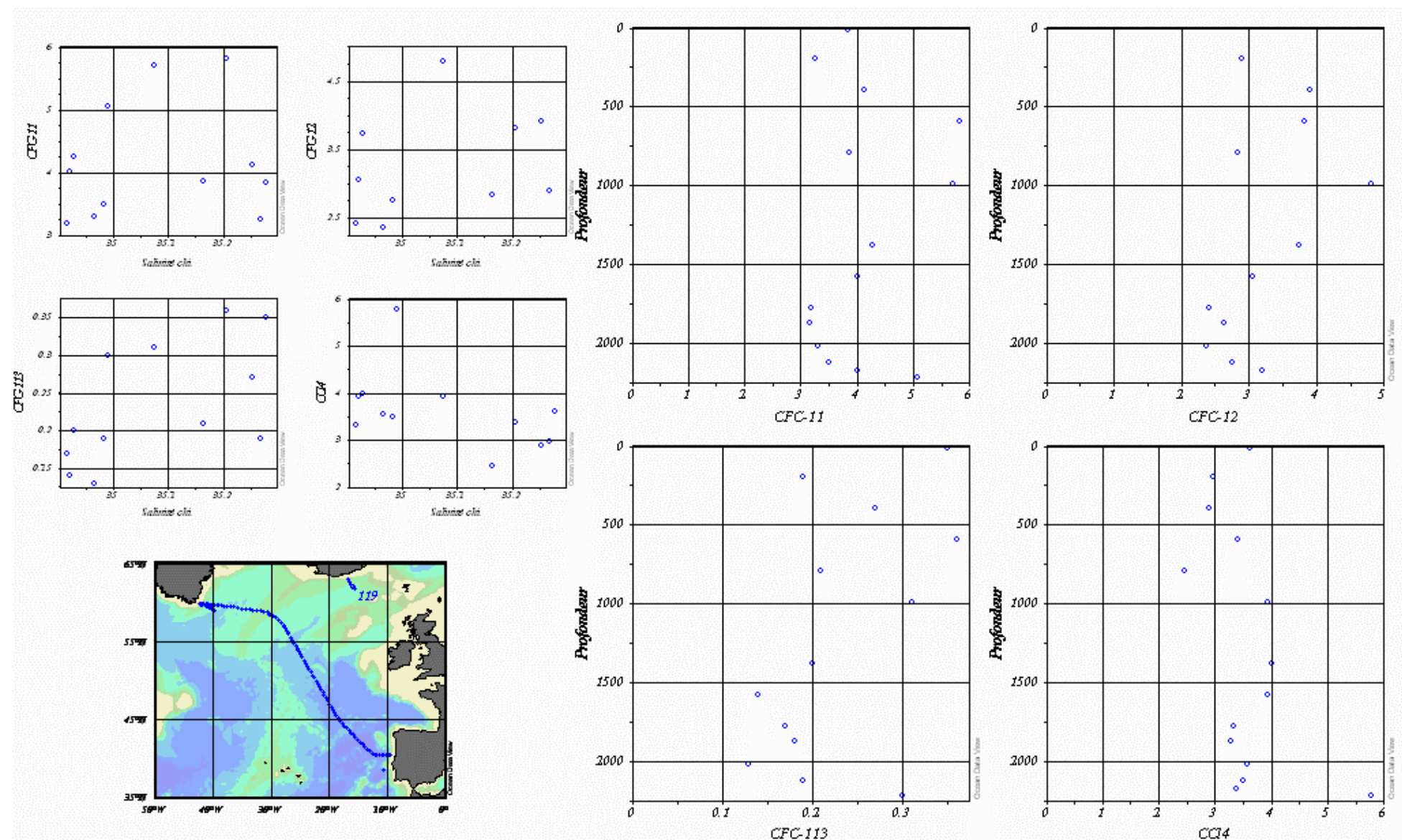




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
119	26/06/2006	16:41:46	62:00:39 N	15:50:24 W	2222m

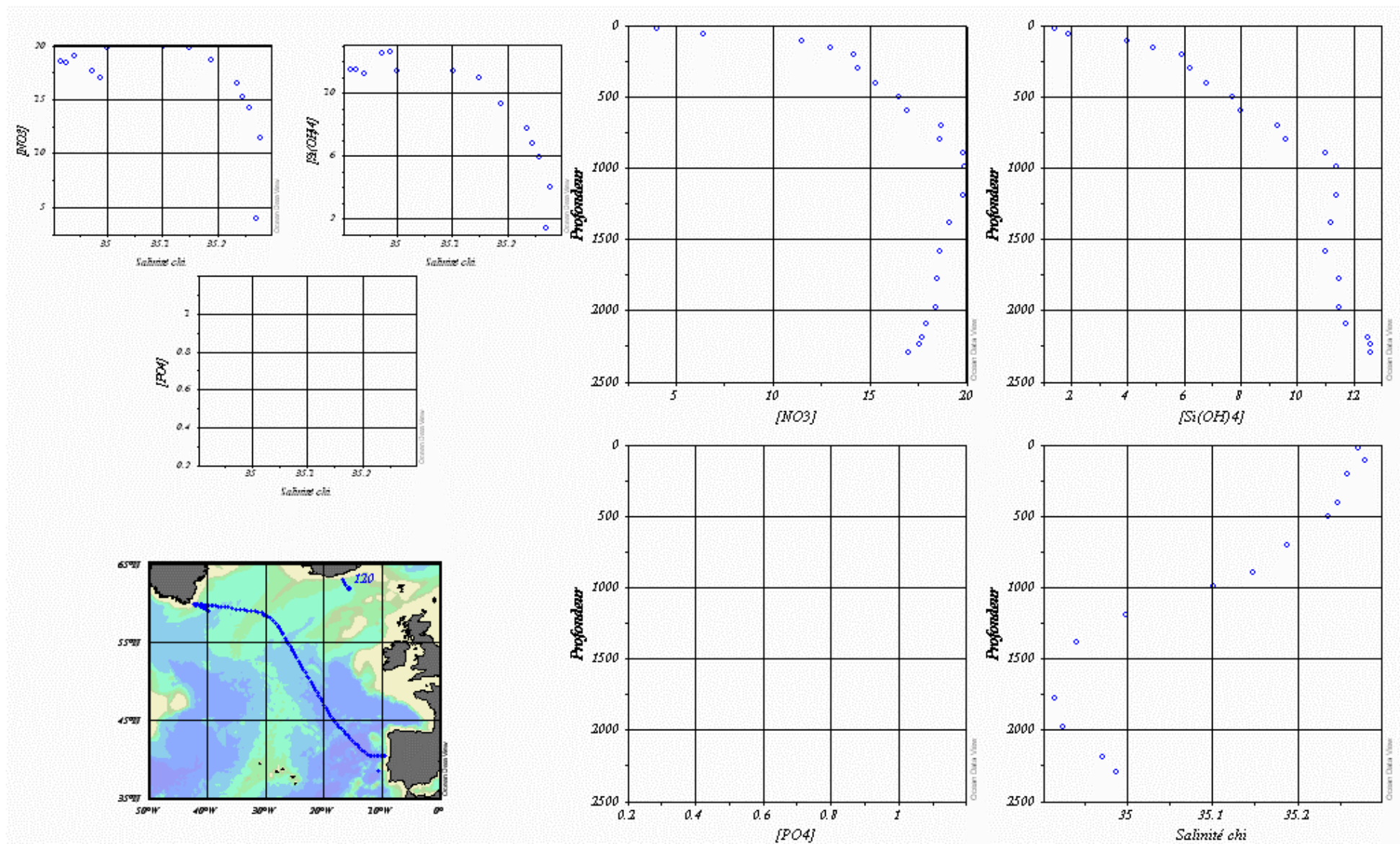
Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
119	24	14.0	-13.9	11.233	35.275	35.278	6.582	4.3	1.2	0.29	3.83		0.35	3.61
119	23	50.3	-49.8	10.407	35.264			6.8	1.8	0.47				
119	22	100.2	-99.2	9.659	35.283	35.287	5.997	12.6	4.4	0.73				
119	21	150.3	-148.8	9.434	35.266			13.6	5.3	0.77				
119	20	200.4	-198.4	9.254	35.267	35.269	6.168	14.0	5.4	0.79	3.26	2.90	0.19	2.96
119	19	300.2	-297.1	9.051	35.277			14.3	5.5	0.79				
119	18	400.5	-396.3	8.703	35.245	35.254	5.874	15.5	6.6	0.86	4.13	3.91	0.27	2.88
119	17	499.9	-494.5	8.545	35.257			16.1	6.9	0.89				
119	16	599.6	-593.0	8.009	35.202	35.207	5.612	17.8	8.1	0.98	5.82	3.82	0.36	3.39
119	15	700.0	-692.1	7.510	35.184			19.7	9.7	1.09				
119	14	799.8	-790.6	6.890	35.159	35.163	5.118	20.9	10.8	1.15	3.85	2.84	0.21	2.45
119	13	899.5	-889.0	6.180	35.121			21.0	11.3	1.17				
119	12	999.7	-987.7	5.489	35.070	35.073	5.42	20.9	11.5	1.18	5.70	4.80	0.31	3.94
119	11	1199.8	-1184.9	4.349	34.966	34.970	5.922	20.6	11.3	1.14				
119	10	1399.2	-1381.2	3.776	34.923	34.926	6.227	20.0	11.3	1.11	4.26	3.74	0.20	4.00
119	9	1600.5	-1579.1	3.516	34.914	34.918	6.319	19.8	11.4	1.11	4.01	3.06	0.14	3.92
119	8	1800.9	-1776.0	3.292	34.914	34.915	6.453	19.6	11.4	1.07	3.19	2.41	0.17	3.33
119	7	1900.4	-1873.7	3.198	34.920			19.3	11.5	1.08	3.15	2.63	0.18	3.28
119	6	2051.1	-2021.5	3.190	34.961	34.965	6.39	18.5	11.3	1.05	3.30	2.36	0.13	3.56
119	5	2154.8	-2123.2	3.027	34.978	34.982	6.382	18.5	11.9	1.03	3.49	2.76	0.19	3.50
119	4	2205.3	-2172.7	2.685	34.988			17.9	11.4	1.00	4.00	3.19		3.38
119	3	2255.9	-2222.3	2.064	34.987	34.989	6.604	16.9	9.6	0.95	5.06		0.30	5.77

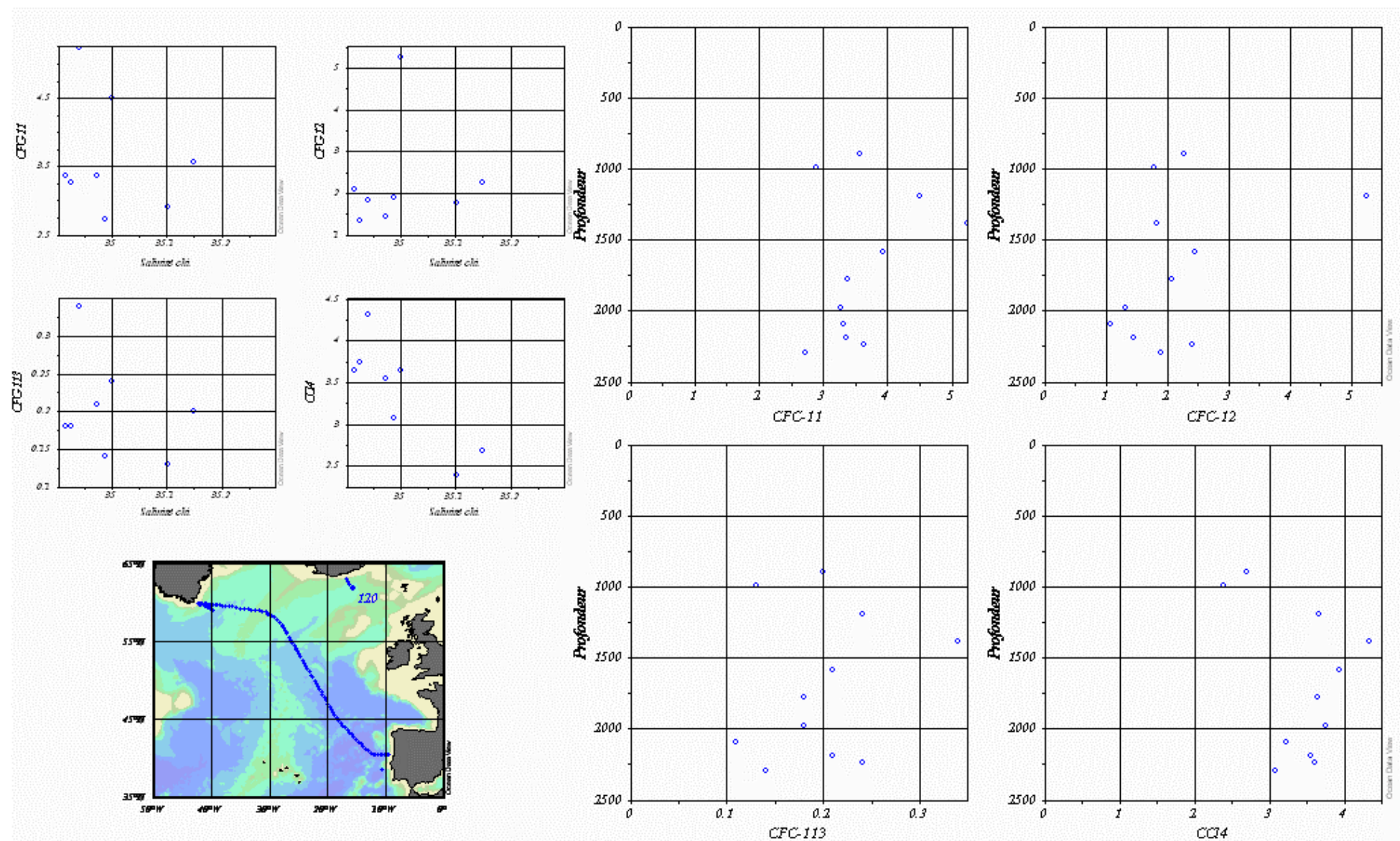




Station	Date	Heure (TU)	Latitude	Longitude	Profondeur
120	26/06/2006	20:47:48	61:40:09 N	15:29:97 W	2294m

Station	Bouteille	Pression dbar	Immersion m	Θ°C °C	Sal CTD PSU	Sal chi PSU	O2 chi ml/l	[NO3] μmole/l	[Si(OH)4] μmole/l	[PO4] μmole/l	CFC-11 pmole/l	CFC-12 pmole/l	CFC-113 pmole/l	CCl4 pmole/l
120	25	16.3	-16.1	11.331	35.267	35.271	6.543	4.0	1.4					
120	24	52.7	-52.2	10.391	35.247			6.4	1.9					
120	23	100.5	-99.5	9.621	35.277	35.280	6.11	11.5	4.0					
120	22	151.0	-149.5	9.341	35.256			13.0	4.9					
120	21	200.2	-198.2	9.175	35.255	35.259	5.888	14.2	5.9					
120	20	299.5	-296.4	8.968	35.255			14.4	6.2					
120	19	400.7	-396.5	8.658	35.245	35.247	5.846	15.3	6.8					
120	18	500.5	-495.1	8.350	35.224	35.237	5.576	16.5	7.7					
120	16	599.5	-592.9	8.131	35.220			16.9	8.0					
120	15	701.3	-693.4	7.636	35.185	35.188	6.284	18.7	9.3					
120	14	800.4	-791.2	7.306	35.186			18.6	9.6					
120	13	900.1	-889.6	6.565	35.145	35.148	5.283	19.8	11.0		3.57	2.27	0.20	2.69
120	12	1000.1	-988.2	5.854	35.095	35.101	5.311	19.9	11.4		2.90	1.78	0.13	2.39
120	11	1200.8	-1185.9	4.660	34.993	34.998	5.818	19.8	11.4		4.50	5.24	0.24	3.65
120	10	1396.9	-1378.9	3.940	34.936	34.939	6.152	19.1	11.2		5.24	1.84	0.34	4.32
120	9	1598.3	-1577.0	3.690	34.933			18.6	11.0		3.93	2.44	0.21	3.92
120	8	1800.8	-1775.9	3.364	34.908	34.914	6.392	18.5	11.5		3.37	2.08	0.18	3.64
120	7	2002.2	-1973.6	3.201	34.920	34.924	6.453	18.4	11.5		3.27	1.33	0.18	3.74
120	6	2124.8	-2093.9	3.153	34.943			17.9	11.7		3.31	1.08	0.11	3.22
120	5	2218.2	-2185.4	3.003	34.963	34.970	6.365	17.7	12.5		3.36	1.45	0.21	3.54
120	4	2272.1	-2238.3	2.920	34.977			17.6	12.6		3.63	2.40	0.24	3.60
120	3	2324.0	-2289.1	2.819	34.984	34.986	6.372	17.0	12.6		2.73	1.90	0.14	3.08



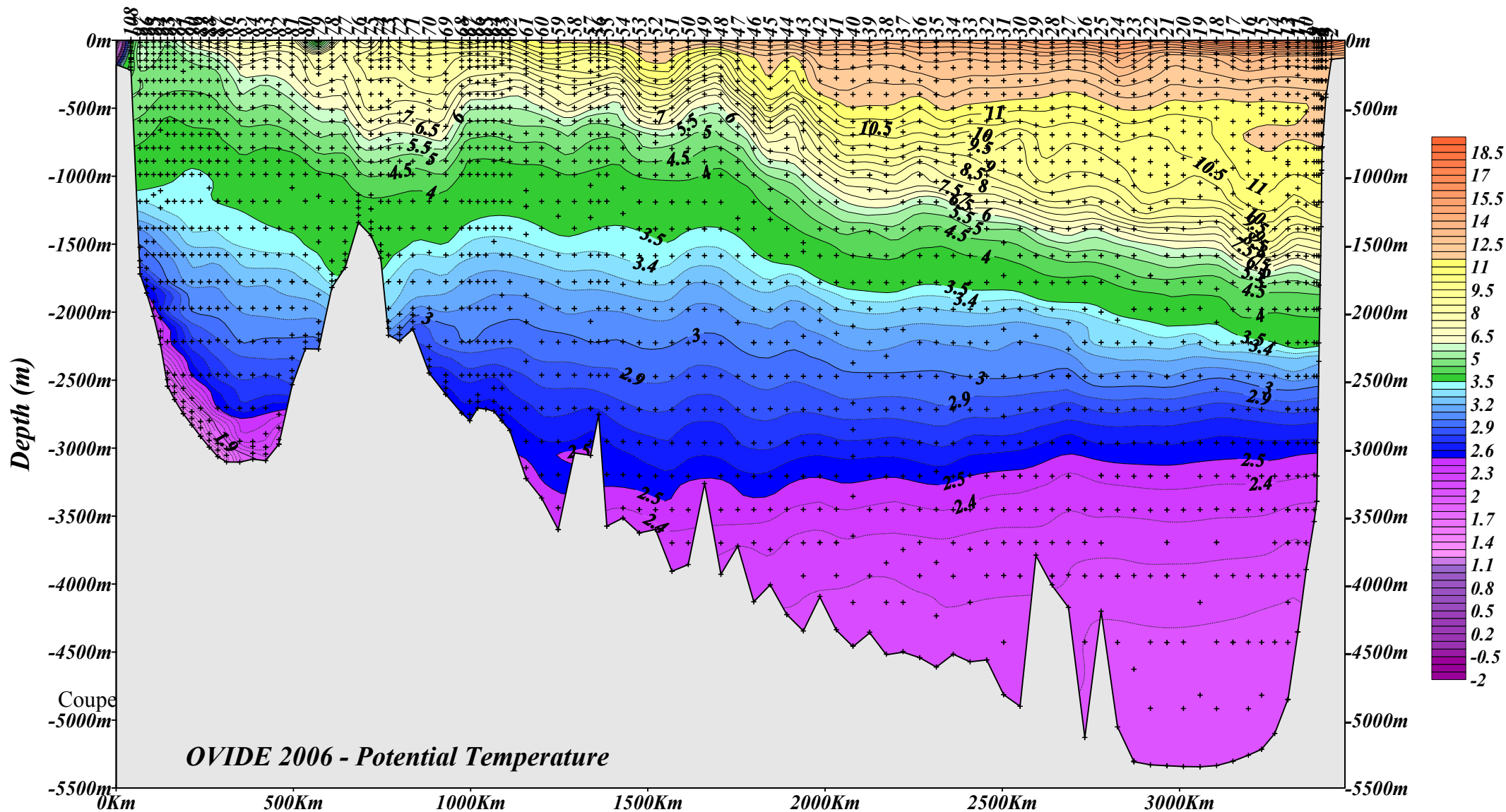


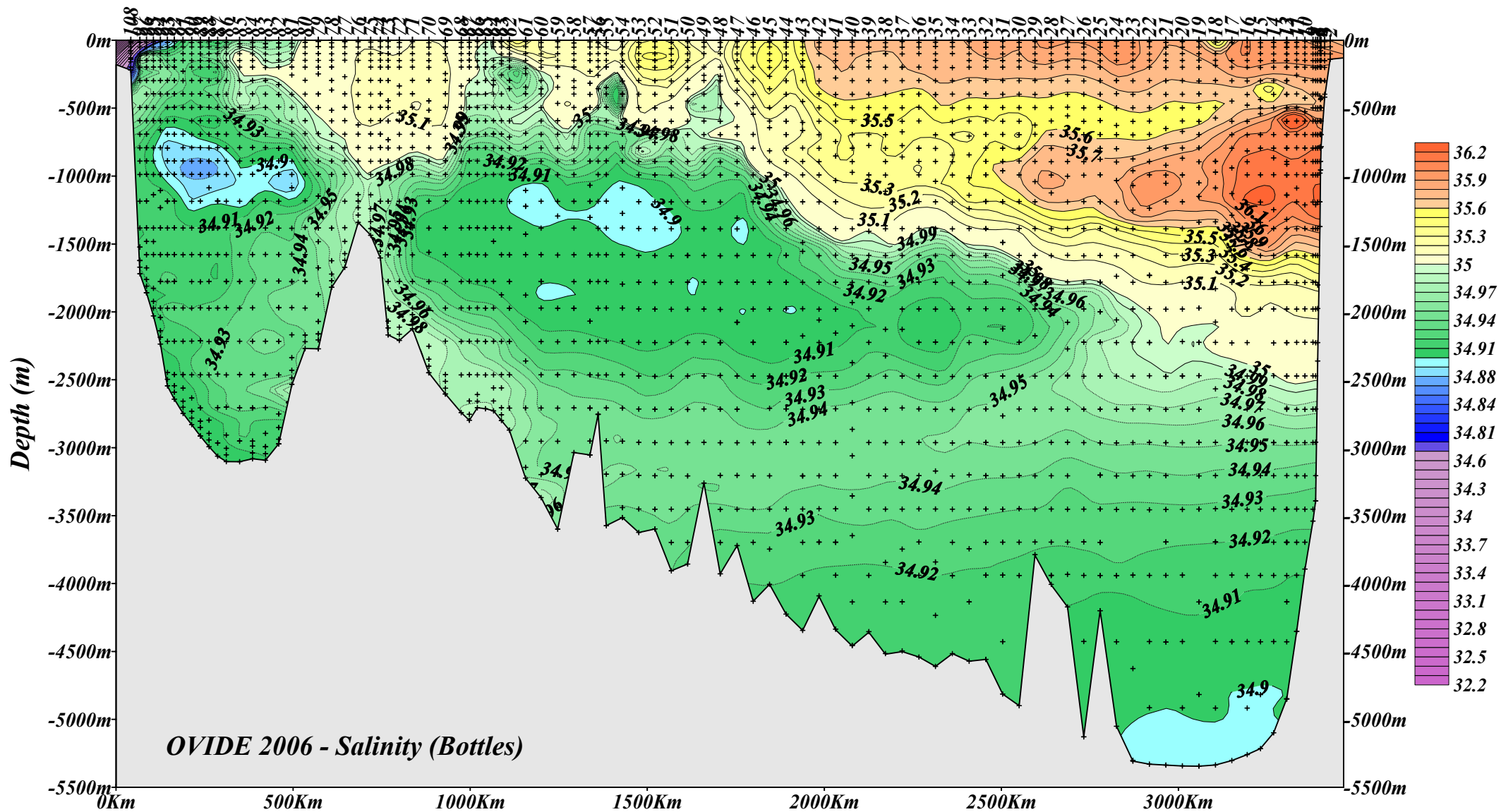
OVIDE 2006

COUPES VERTICALES

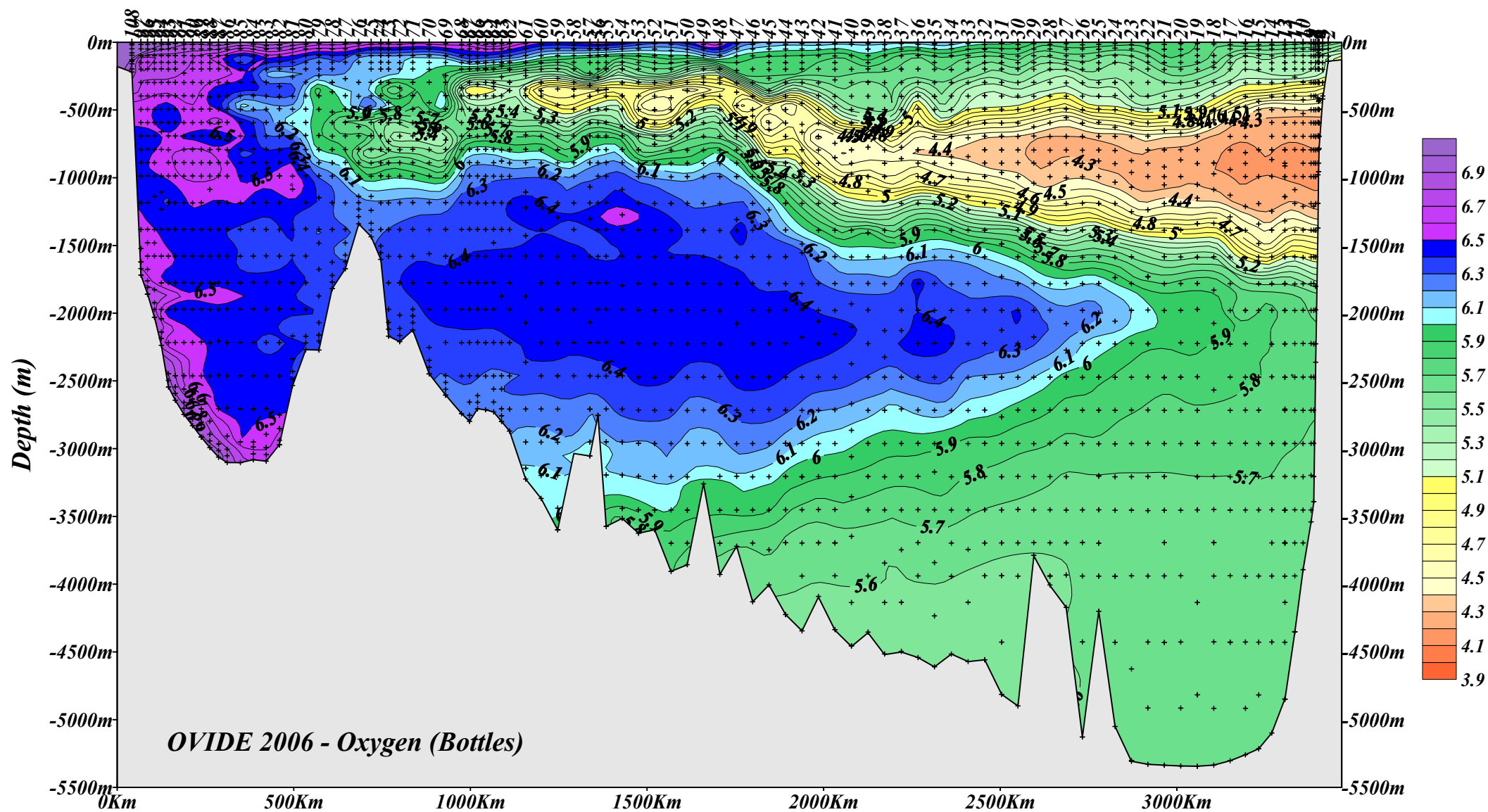
**Coupes verticales hydrologie, éléments nutritifs et
fréons
aux stations hydrologiques**

Radiale Portugal – Cape Farewell

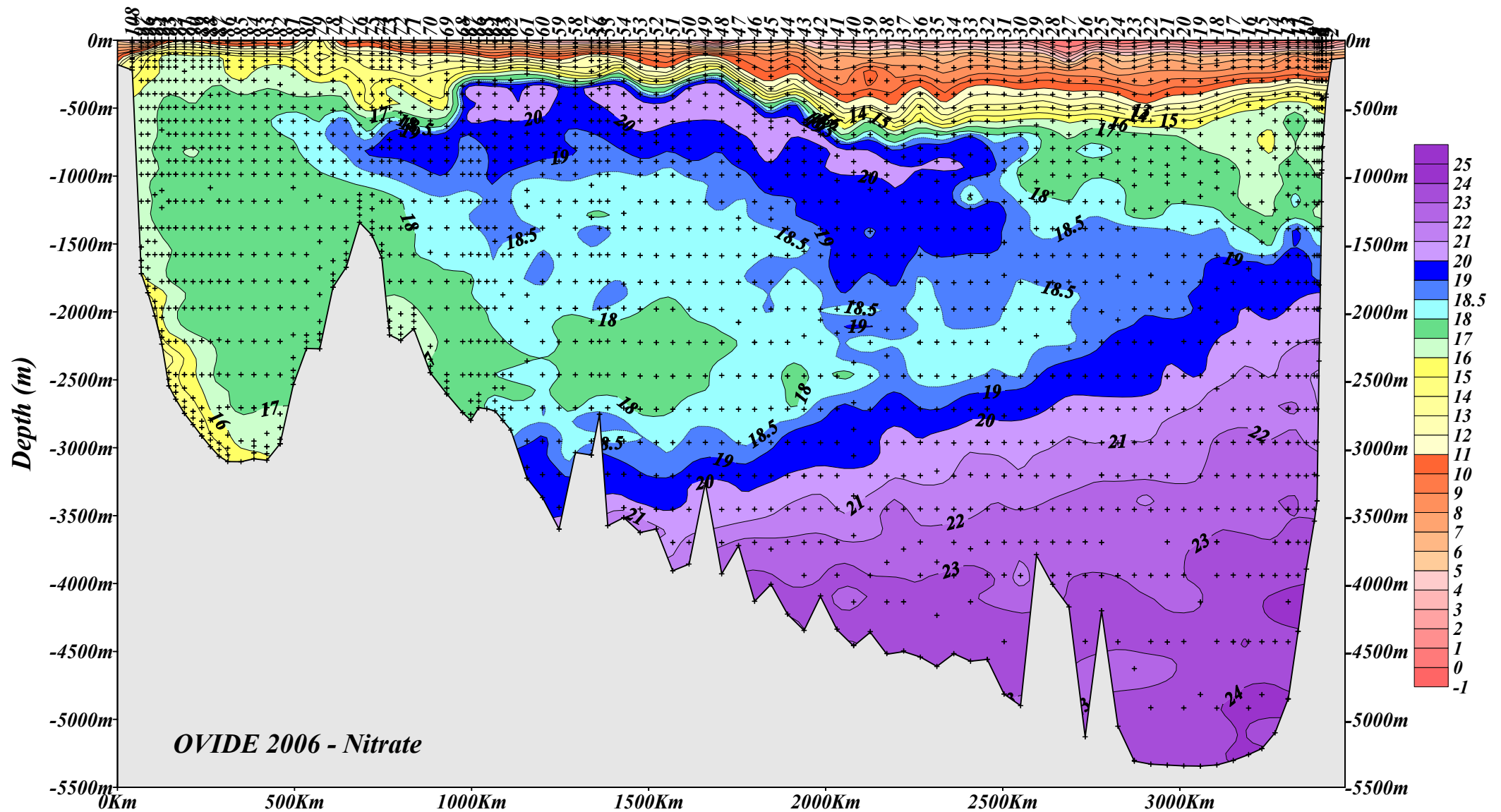




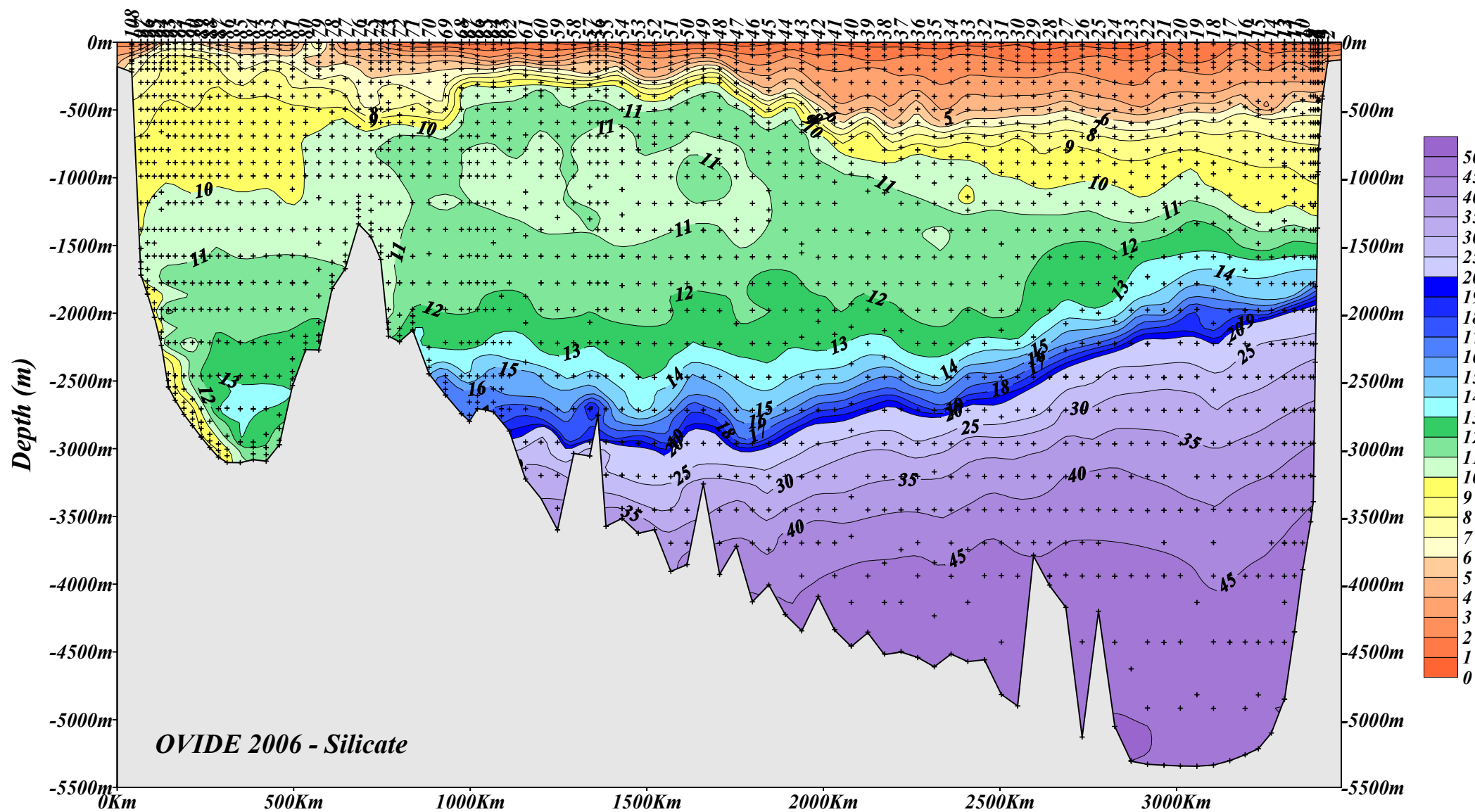
Coupe verticale des salinités (PSU) le long de la radiale OVIDE 2006 (stations 2 à 97 et 108).



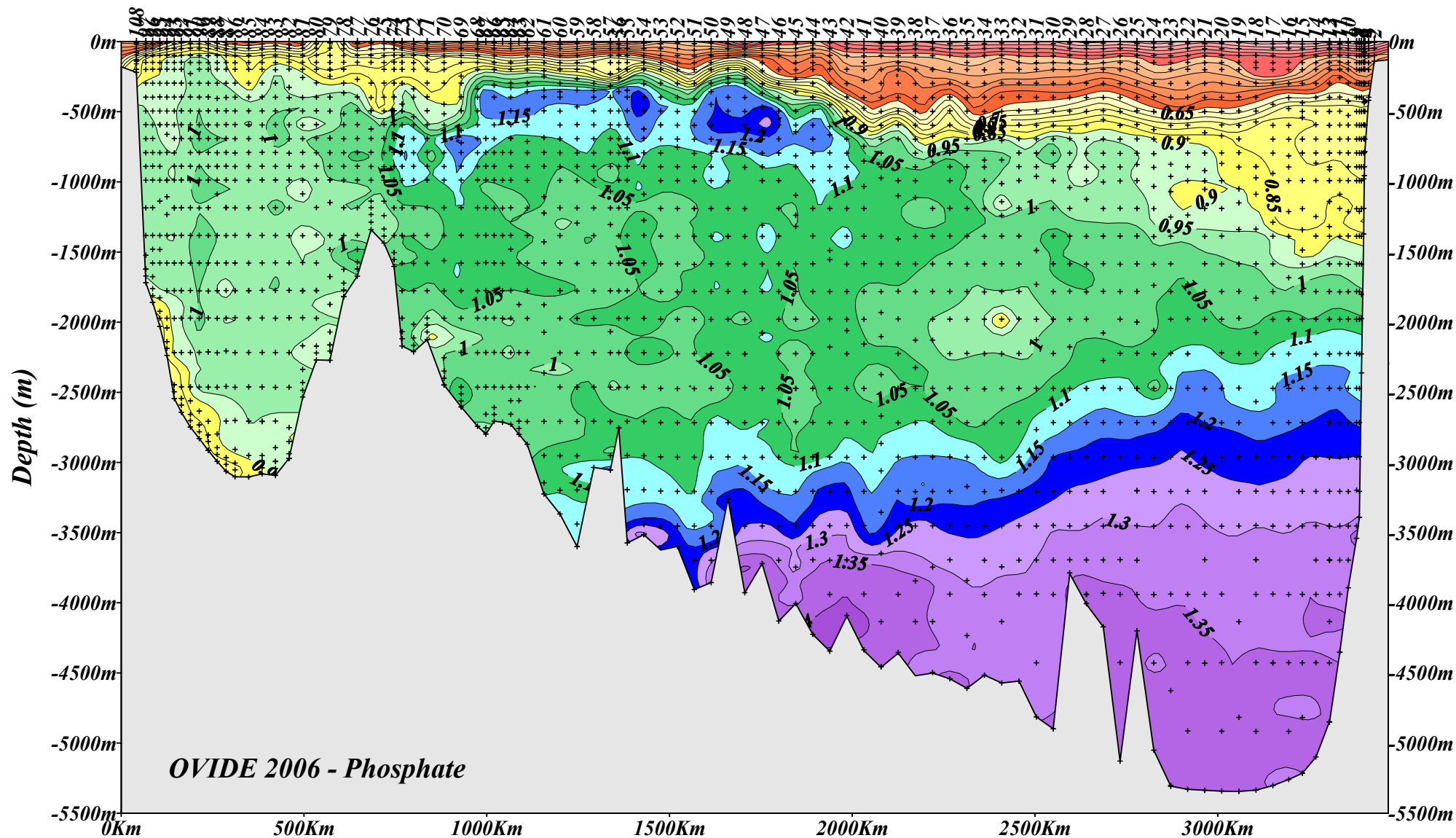
Coupe verticale des teneurs en oxygène dissous (ml/L) le long de la radiale OVIDE 2006 (stations 2 à 97 et 108).



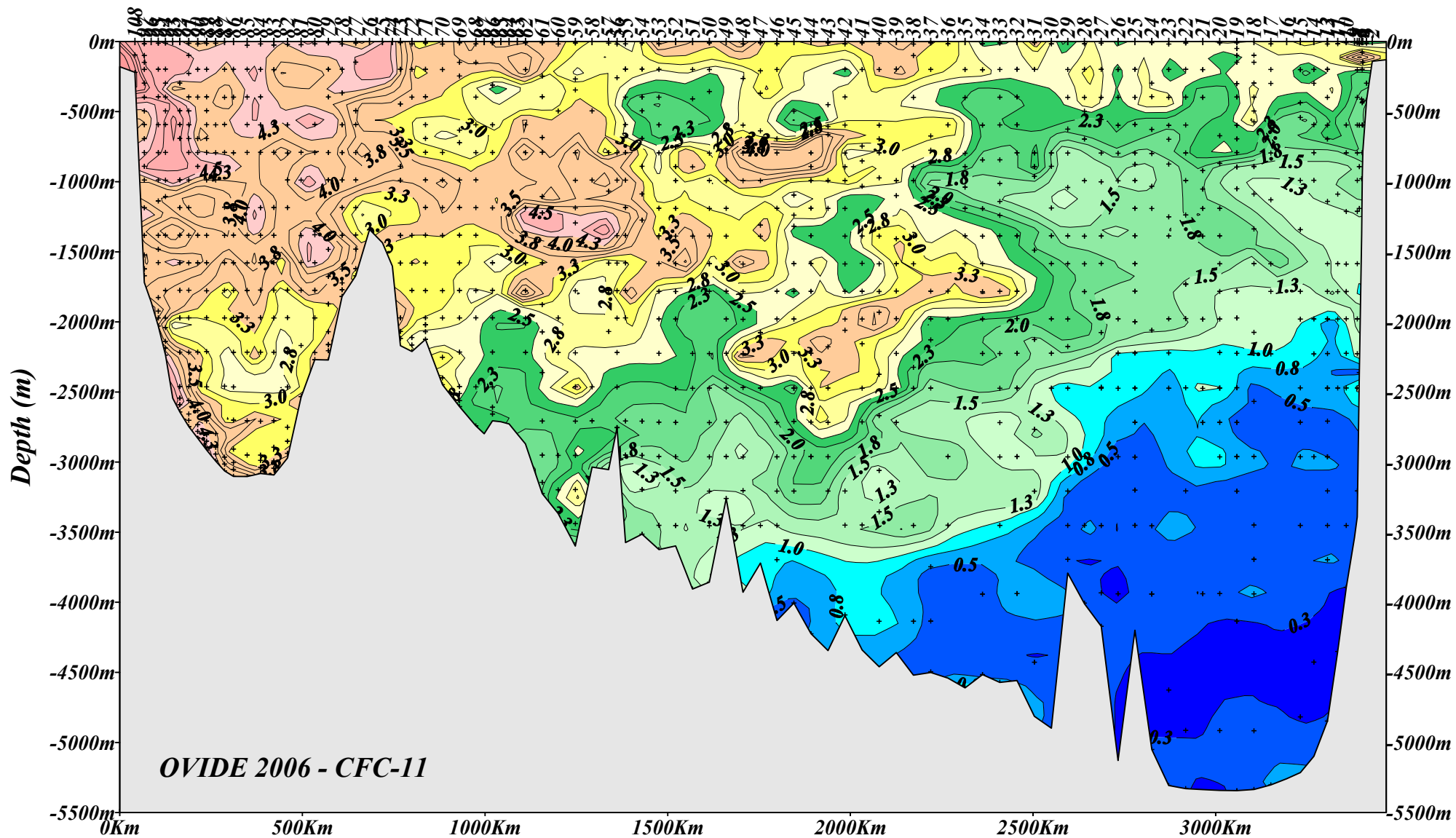
Coupe verticale des nitrates ($\mu\text{mole/L}$) le long de la radiale OVIDE 2006 (stations 2 à 97 et 108).



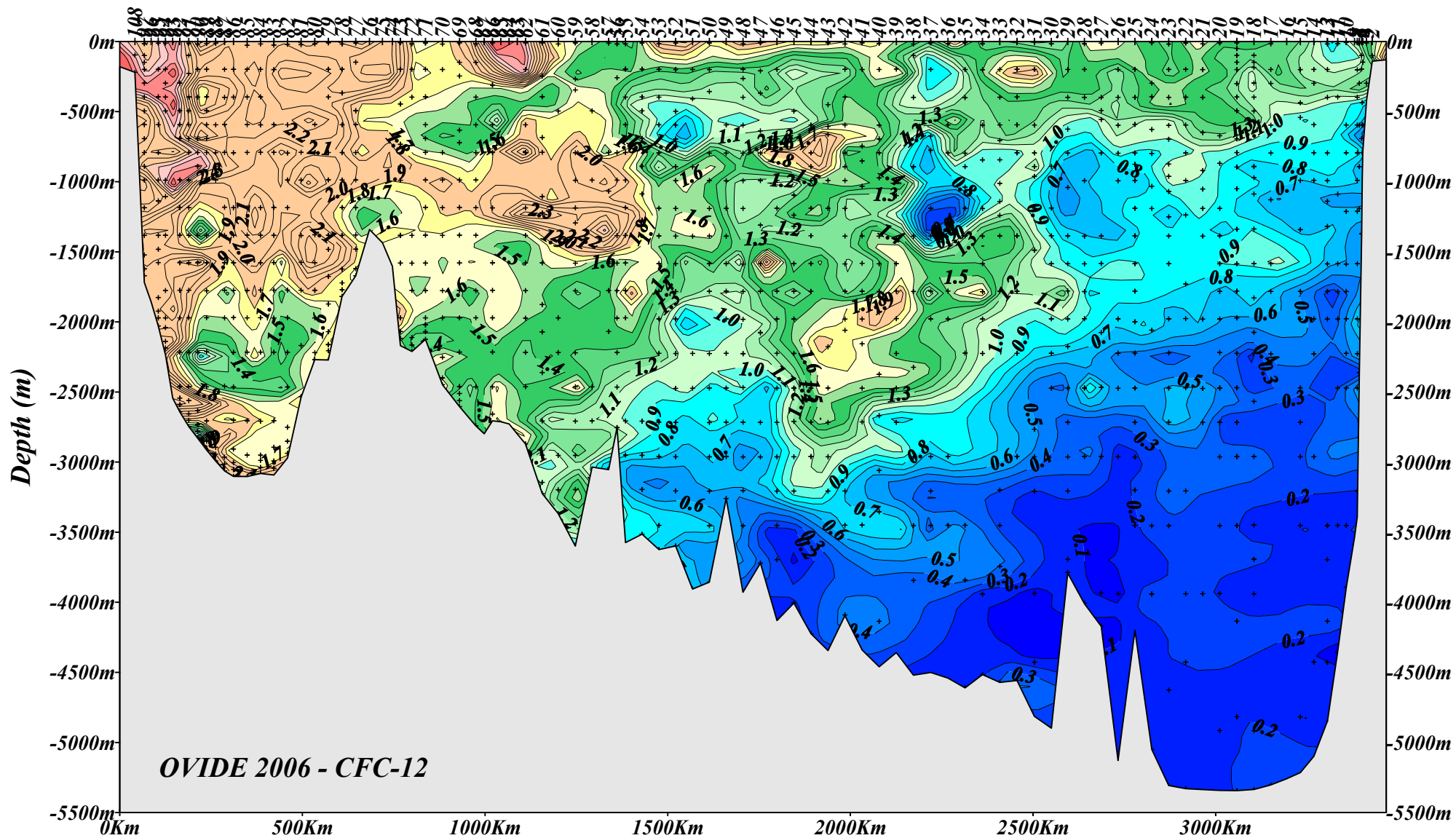
Coupe verticale des silicates ($\mu\text{mole/L}$) le long de la radiale OVIDE 2006 (stations 2 à 97 et 108).



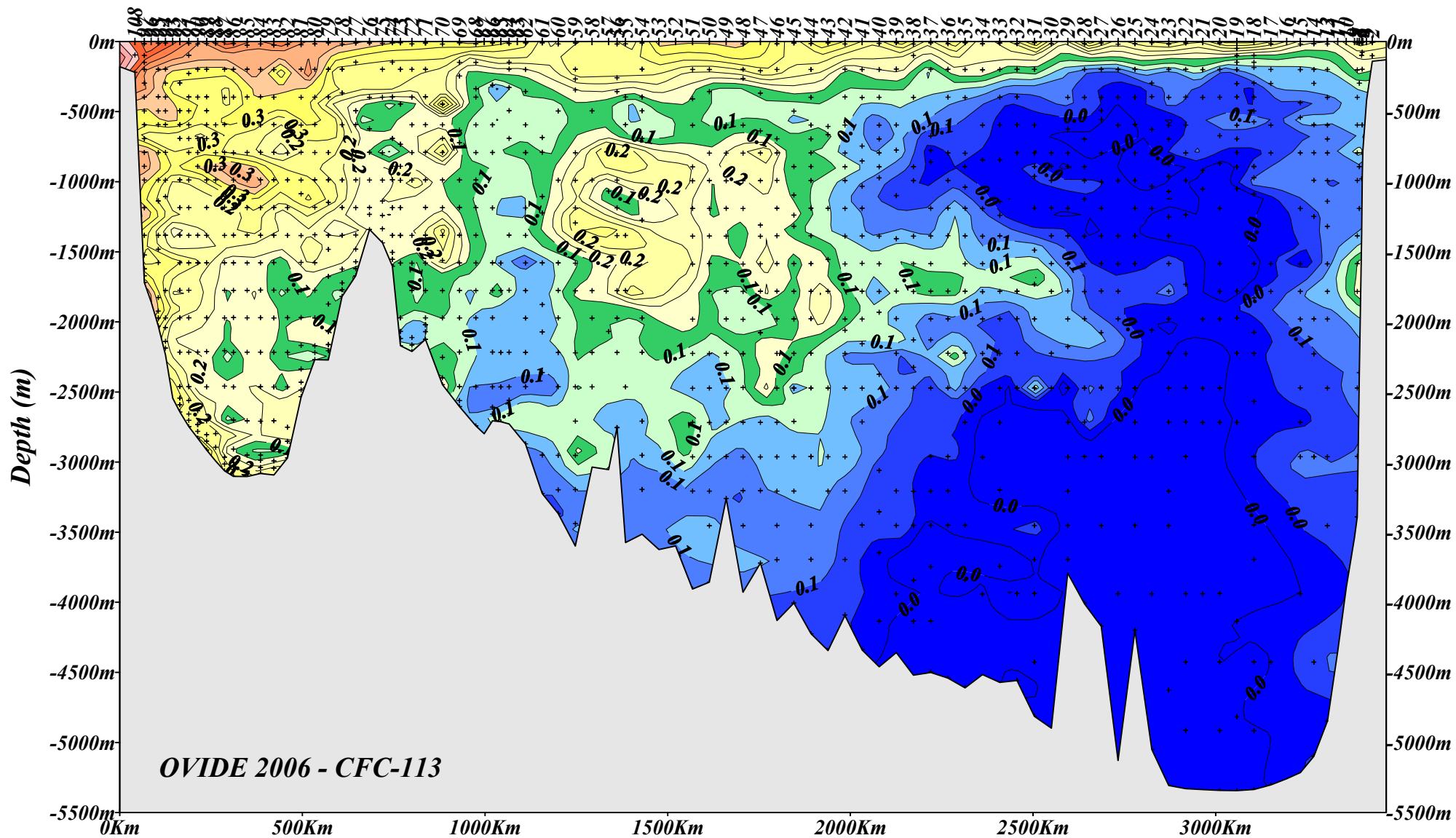
Coupe verticale des phosphates($\mu\text{mole/L}$) le long de la radiale OVIDE 2006 (stations 2 à 97 et 108).



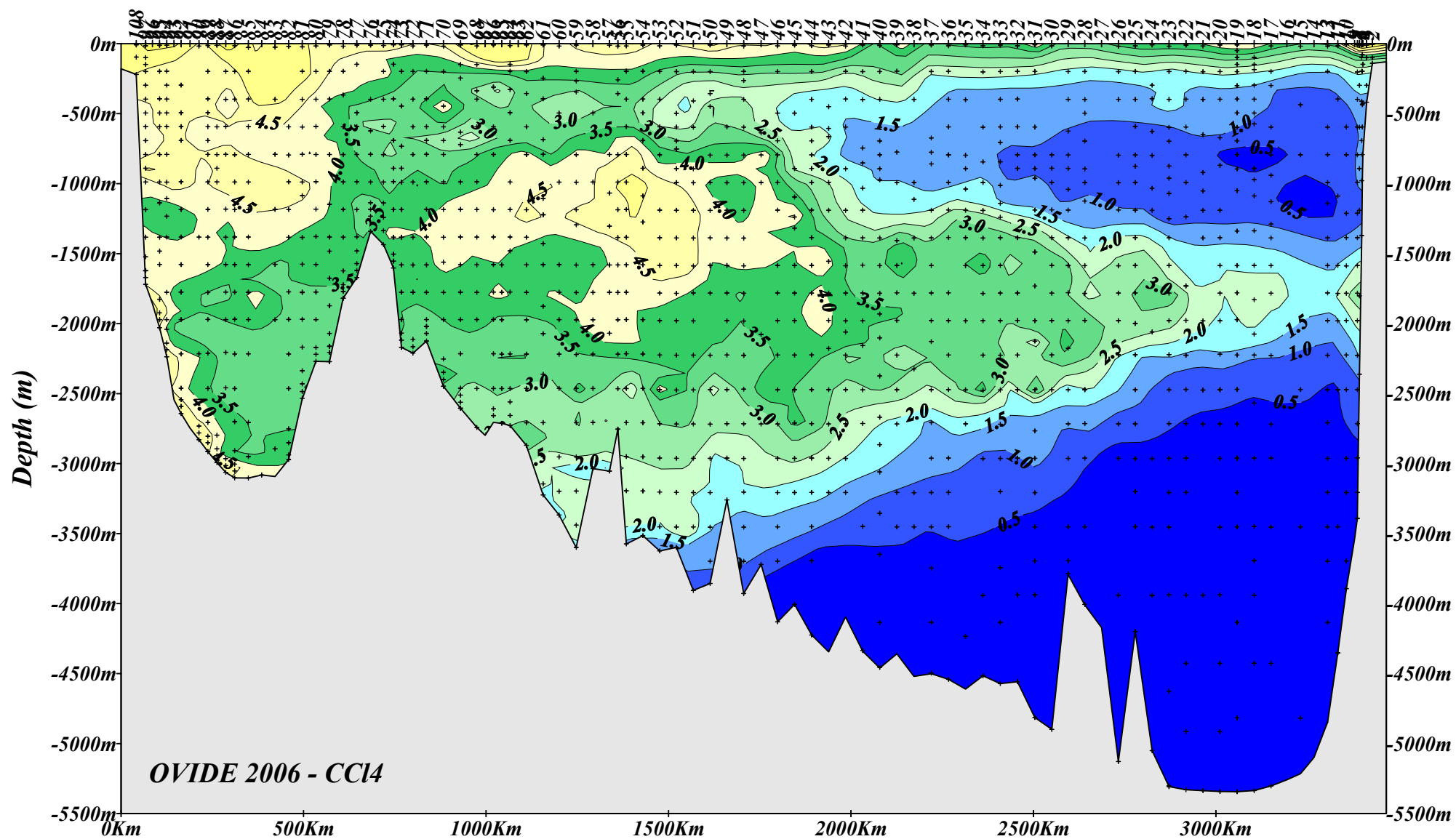
Coupe verticale des fréons CFC-11 (pmole/L) le long de la radiale OVIDE 2006 (stations 2 à 97 et 108).



Coupe verticale des fréons CFC-12 (pmole/L) le long de la radiale OVIDE 2006 (stations 2 à 97 et 108).



Coupe verticale des fréons CFC-113 (pmole/L) le long de la radiale OVIDE 2006 (stations 2 à 97 et 108).



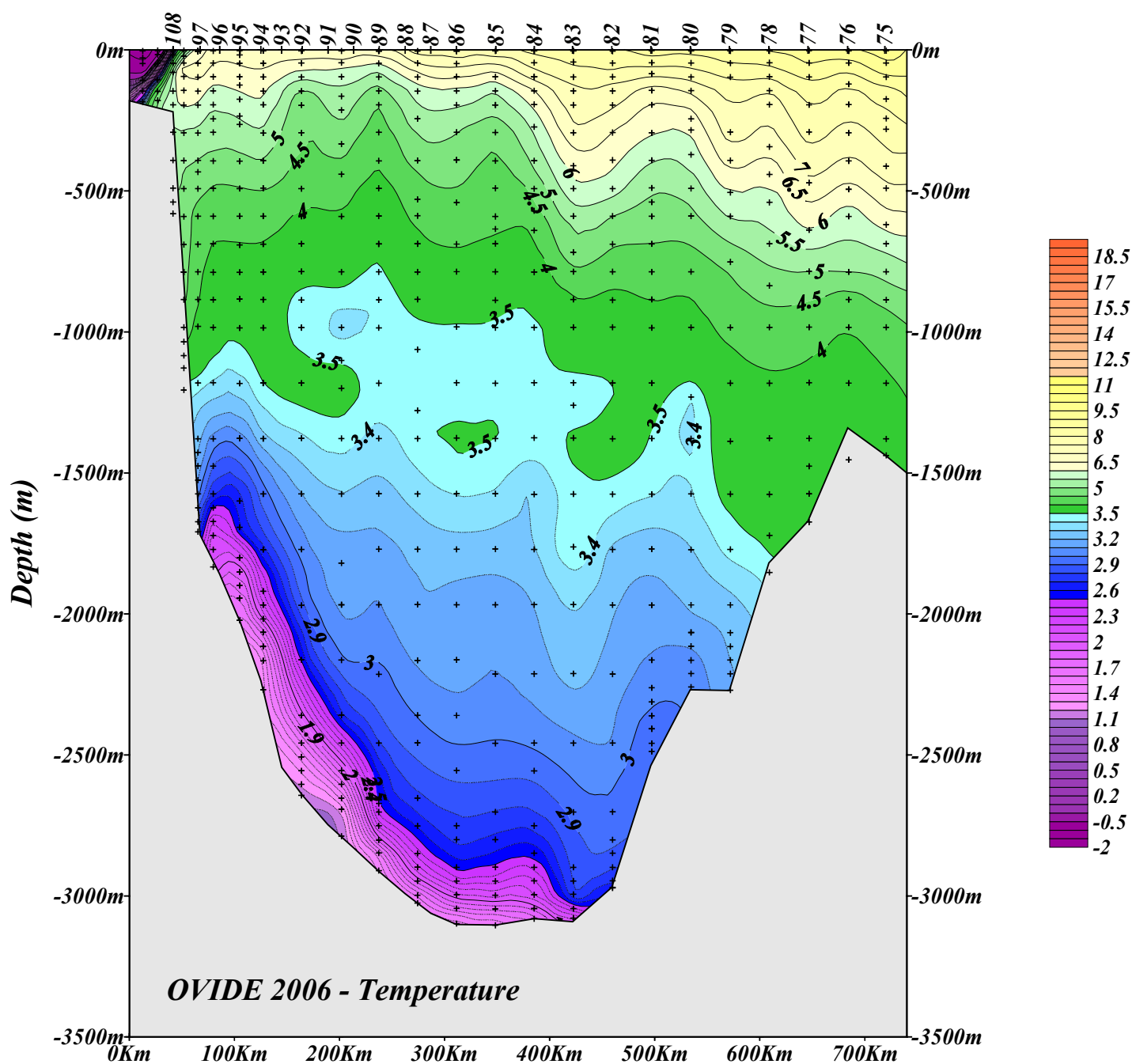
Coupe verticale du CCl_4 (pmole/L) le long de la radiale OVIDE 2006 (stations 2 à 97 et 108).

OVIDE 2006

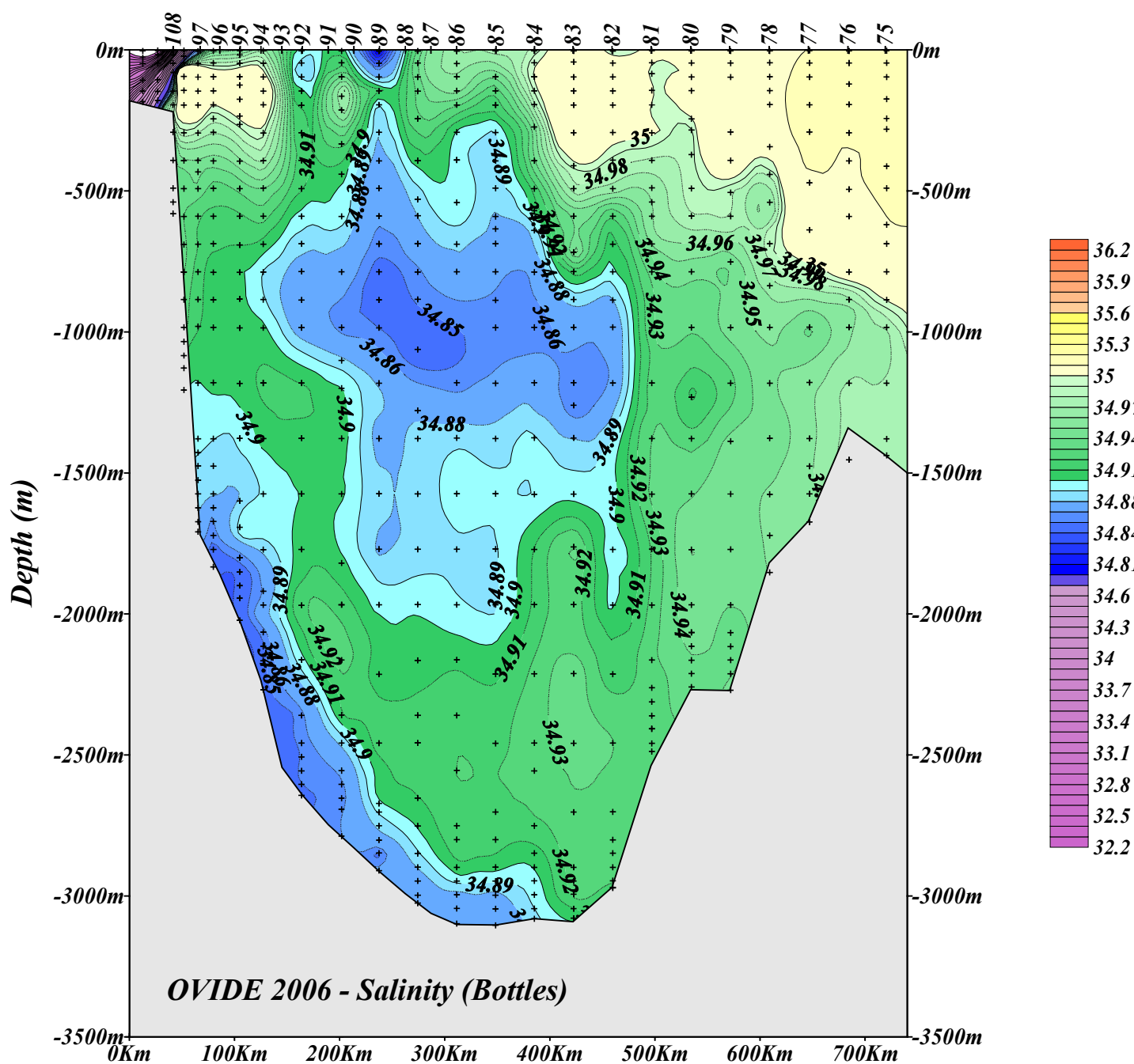
COUPES VERTICALES

**Coupes verticales hydrologie, éléments nutritifs et
fréons
aux stations hydrologiques**

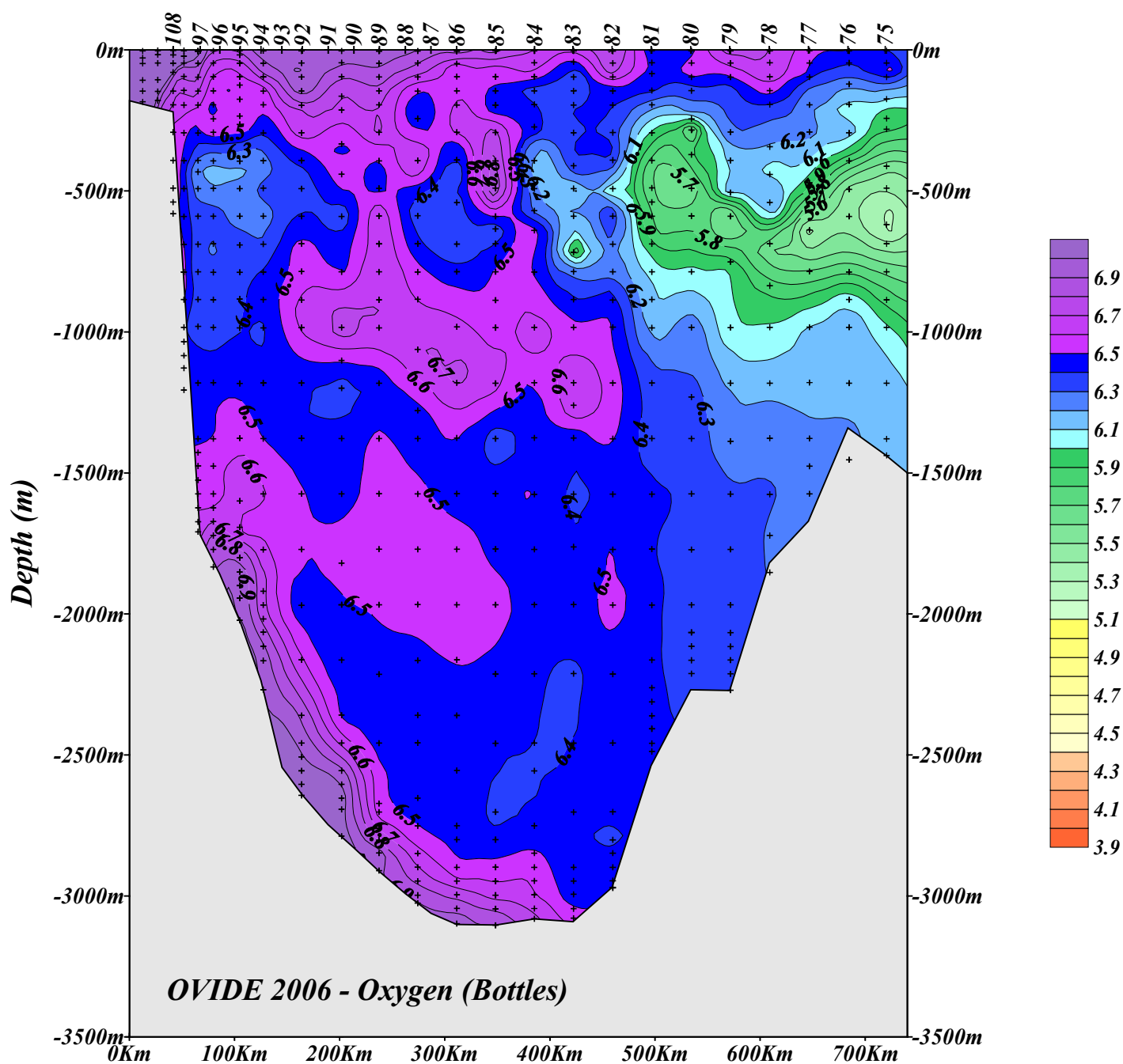
Radiale Mer d'Irminger



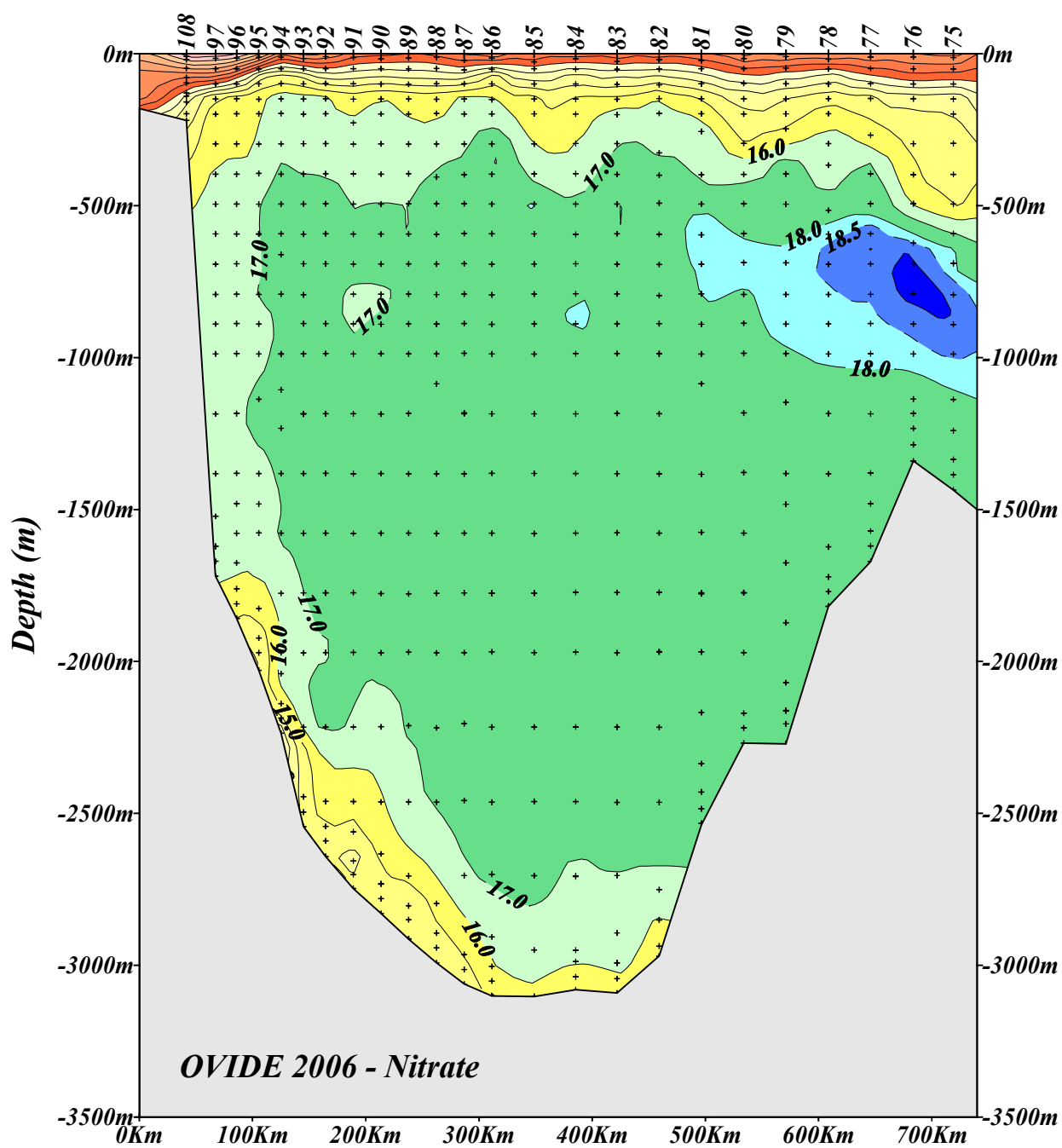
Coupe verticale des températures potentielles (°C) en mer d'Irminger (stations 75 à 97 et 108).



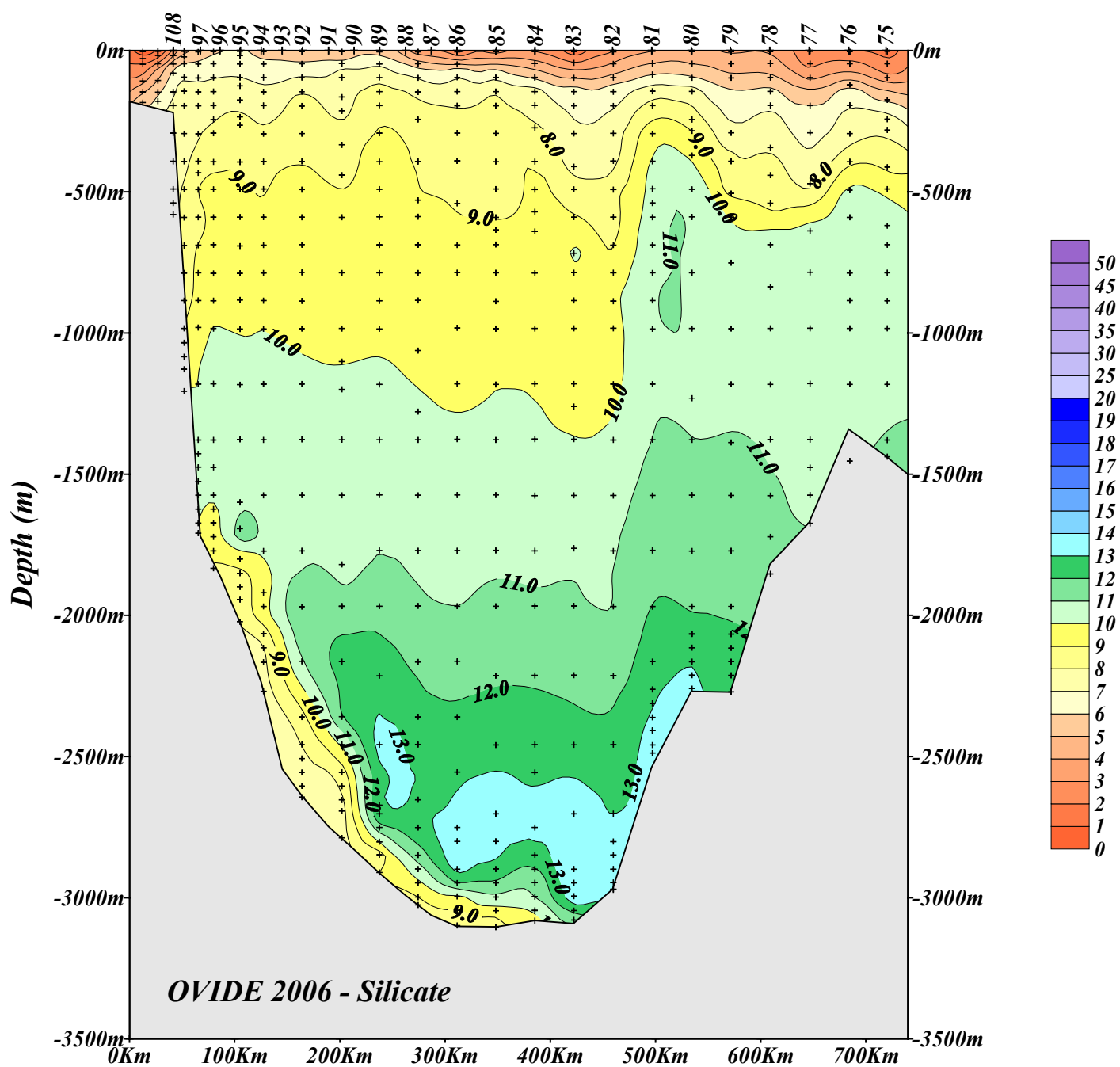
Coupe verticale des salinités (PSU) en mer d'Irminger (stations 75 à 97 et 108).



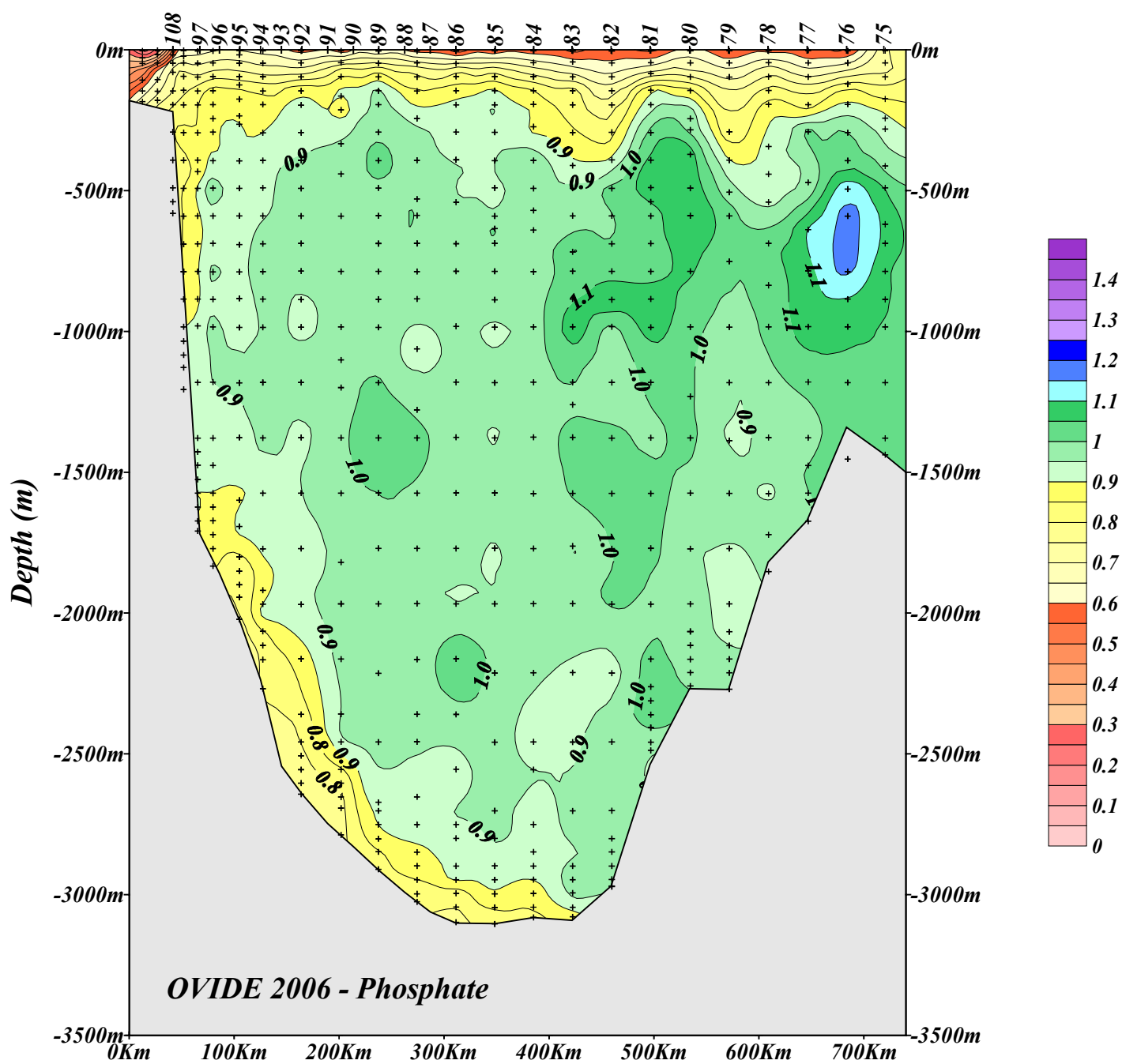
Coupe verticale des teneurs en oxygène dissous (mL/L) en mer d'Irminger (stations 75 à 97 et 108).



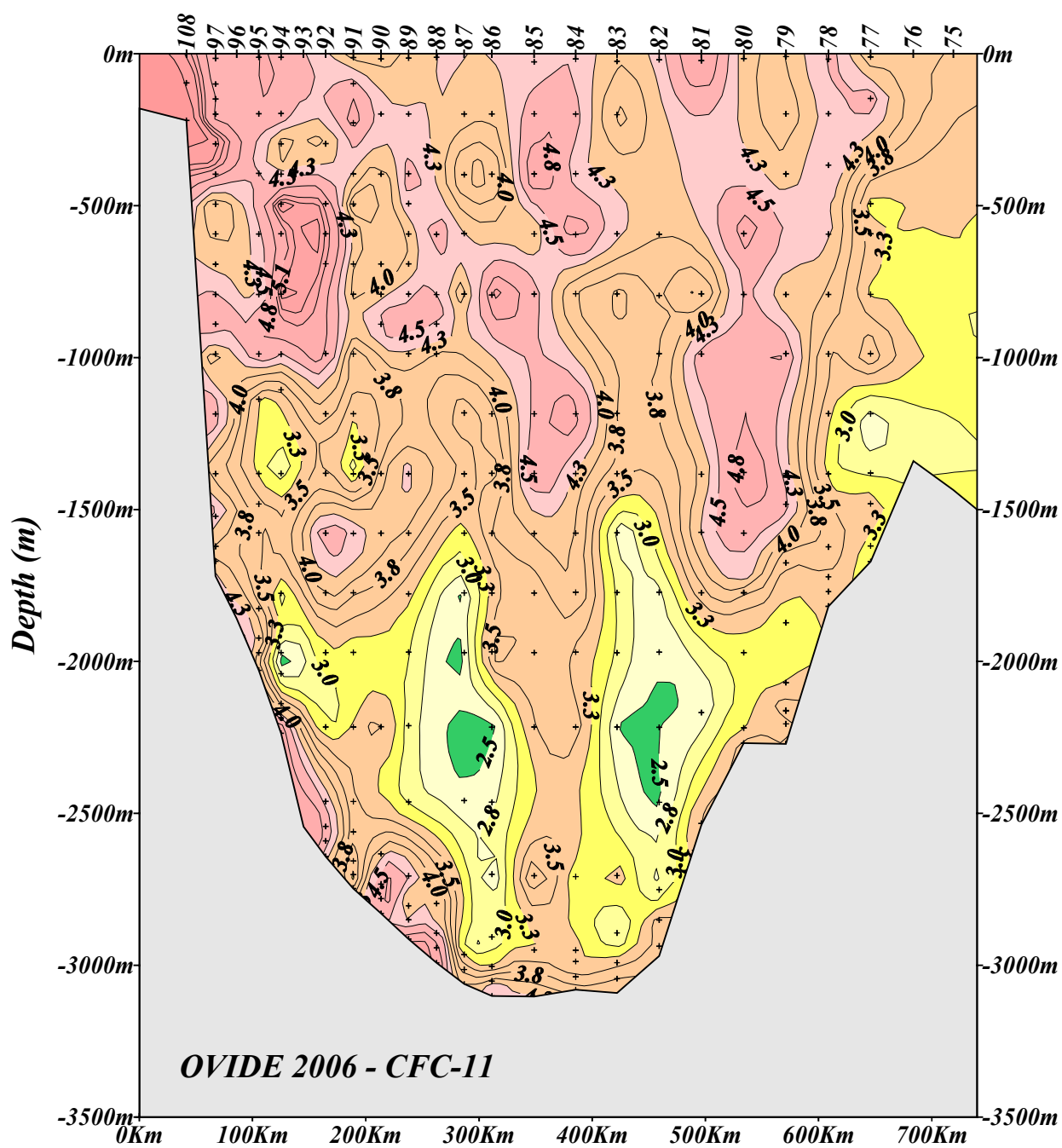
Coupe verticale des nitrates ($\mu\text{mole/L}$) en mer d'Irminger (stations 75 à 97 et 108).



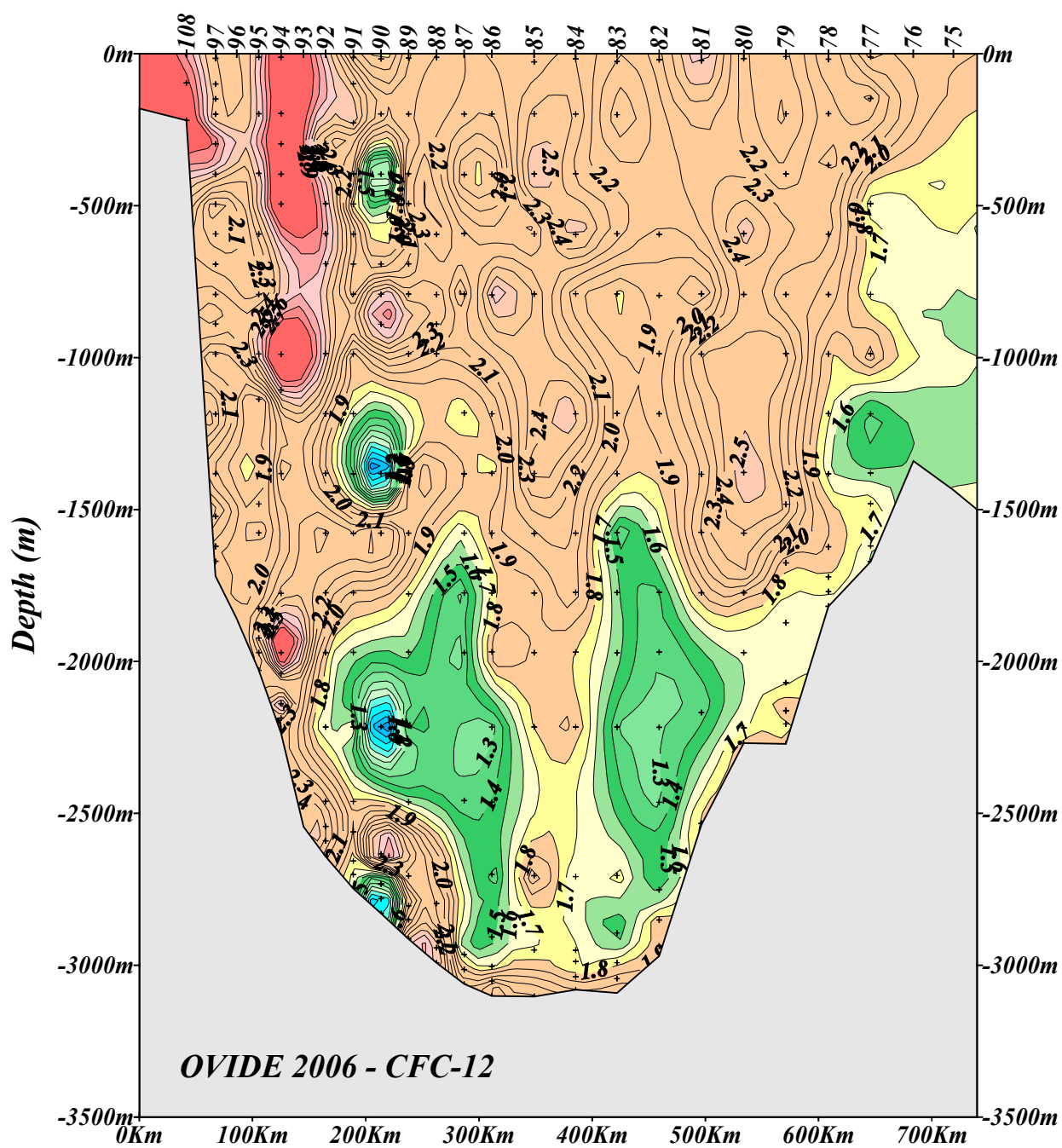
Coupe verticale des silicates ($\mu\text{mole/L}$) le long de la radiale OVIDE 2006 (stations 75 à 97 et 108).



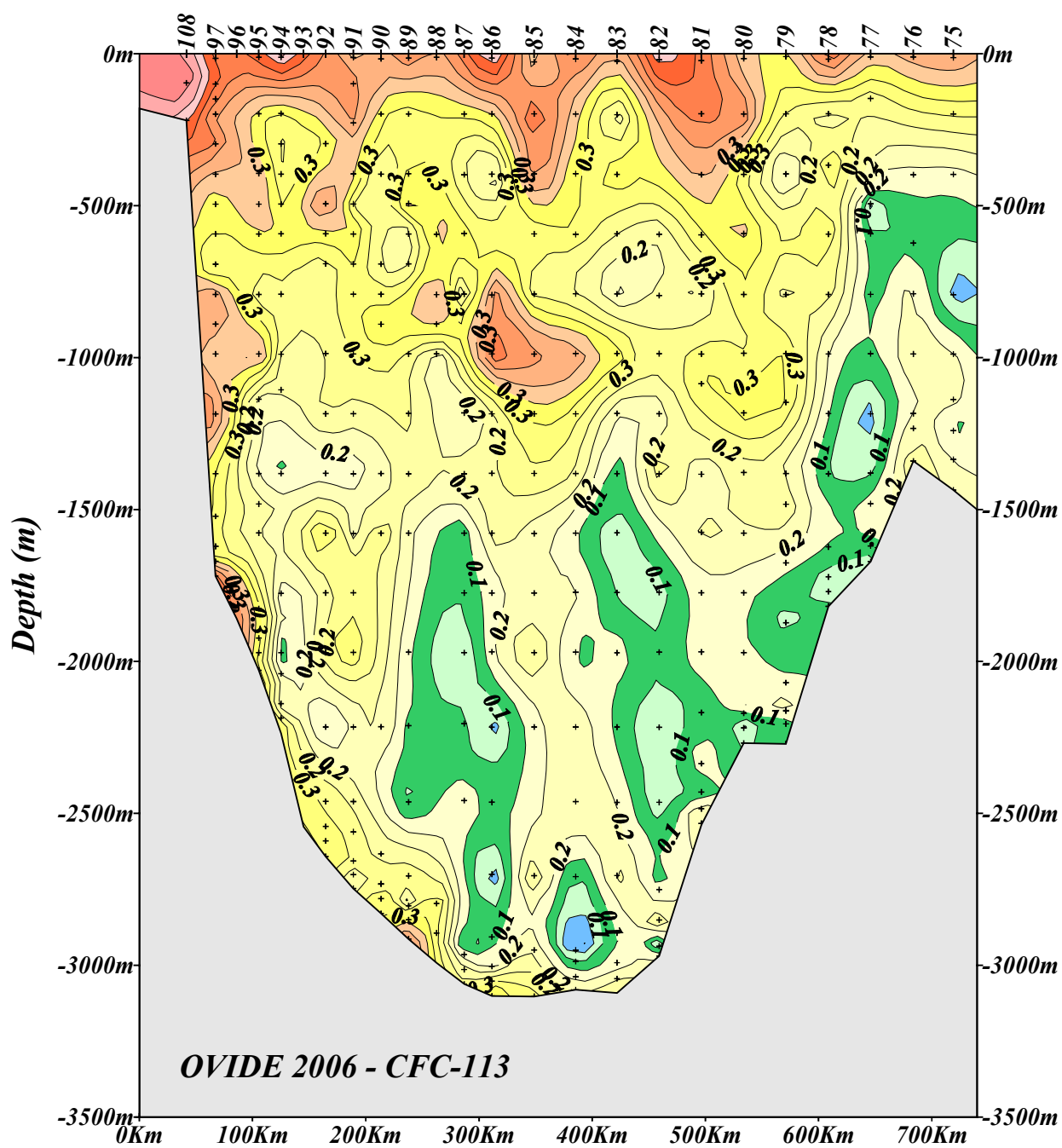
Coupe verticale des phosphates ($\mu\text{mole/L}$) le long de la radiale OVIDE 2006 (stations 75 à 97 et 108).



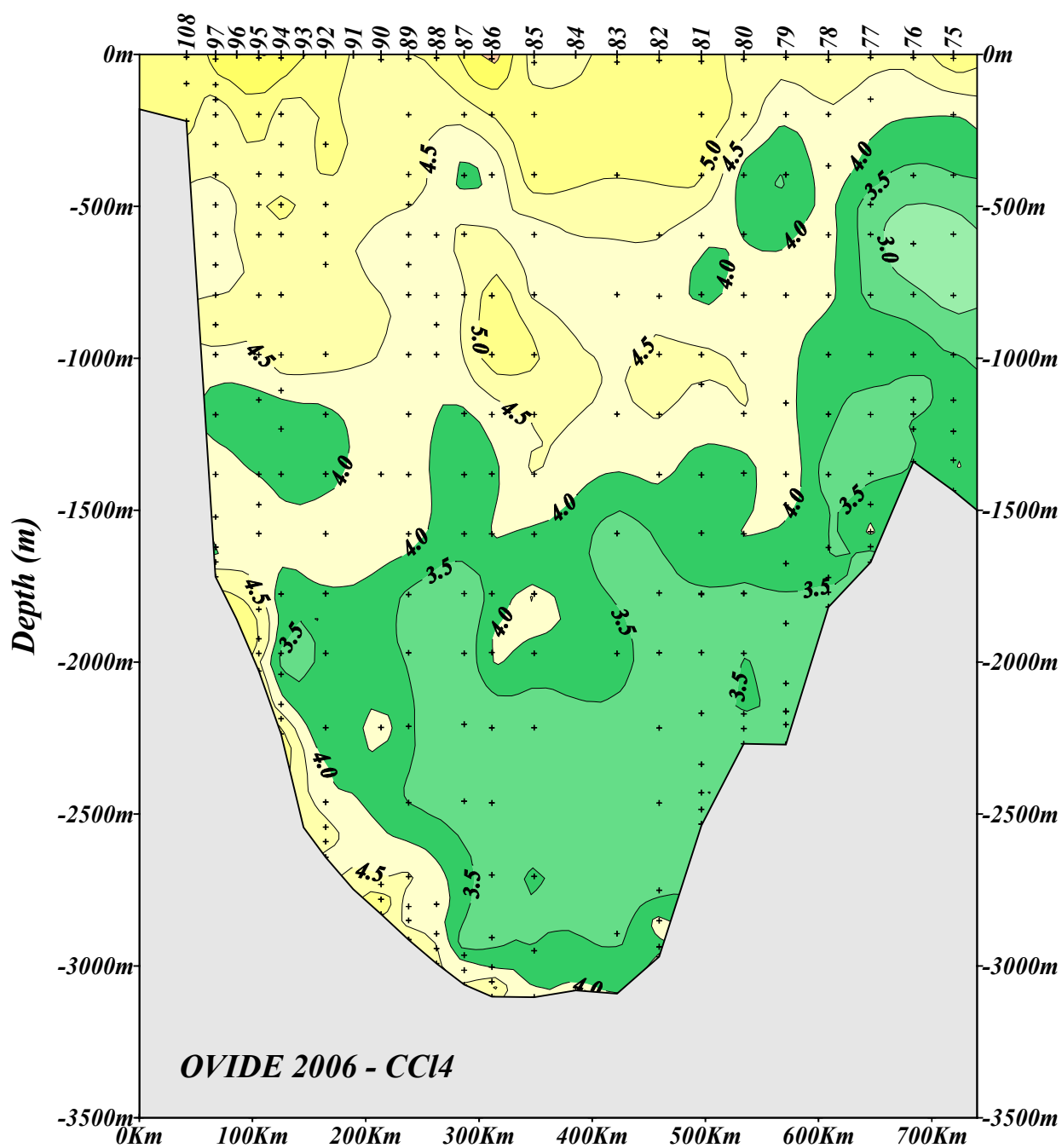
Coupe verticale des fréons CFC-11 (pmole/L) le long de la radiale OVIDE 2006 (stations 75 à 97 et 108).



Coupe verticale des fréons CFC-12 (pmole/L) le long de la radiale OVIDE 2006 (stations 75 à 97 et 108).



Coupe verticale des fréons CFC-113 (pmole/L) le long de la radiale OVIDE 2006 (stations 75 à 97 et 108).



Coupe verticale du CCl_4 (pmole/L) le long de la radiale OVIDE 2006 (stations 75 à 97 et 108).