

Contacts pour analyses chimiques

Mesures de la sonde CTDO₂ : Responsable Andre Billant, LPO, Ifremer Brest :
Andre.Billant@ifremer.fr

Mesures Salinite « chimie » : Responsable Andre Billant, LPO, Ifremer Brest :
Andre.Billant@ifremer.fr

Mesures Oxygène « chimie » : Responsable Andre Billant, LPO, Ifremer Brest :
Andre.Billant@ifremer.fr

Sels Nutritifs (Nitrate, Nitrite, Phosphate, Silice) : Responsable Pascal Morin, IUEM et
Observatoire de Roscoff : Pascal.Morin@univ-brest.fr

CFC 11, CFC 12, CFC 113, CCL₄ : responsable Pascal Morin, IUEM et Observatoire de
Roscoff : Pascal.Morin@univ-brest.fr

¹⁸O et ¹³C : Responsable Catherine Pierre, LODYC : Catherine.Pierre@jussieu.lodyc.fr.

¹²⁹I, ⁹⁹TC : Responsable P. You, CSNSM, IN2P3: yiou@csnsm.in2p3.fr

pH, Alcalinité : Fiz Fernandez Perez, IIM Vigo : fiz@iim.csic.es

TOC, FMOD : Xose Anton Alvarez Salgado xsalgado@iim.csic.es

Cesium, Tritium : Pascal Bailly du Bois LERFA Institut de Recherche et de Sécurité
Nucléaire 50100 Octeville.

Terres rares : Catherine Jeandel, Legos : Catherine.Jeandel@cnes.fr

CTDO ₂ Sta. n°	Date	Position	Sonde	O ₂	S	Nutr	CFC	Alk	pH	TOC	FMOD	CNH	¹²⁹ I	¹⁸ O	¹³ C	Terres Rares
0	13/06/02 15H15	N 50 39.46 W 17 35.12	4789 m	x	x	x	x	x	x							
1	15/06/02 08H23	N 54 09.98 W 26 29.77	3567 m	x	x	x	x		x	x	x	x				
2	16/06/02 06H22	N 56 00.99 W 31 30.33	2528 m	x	x	x	x	x	x		x					
3	17/06/02 01H48	N 57 37.45 W 36 00.36	2704 m	x	x	x	x	x	x		x					

5	18/06/02 08H00	N 59 47.28 W 42 34.37	227 m	x	x											x	x
6	18/06/02 05H53	N 59 49.98 W 42 31.26	235 m	x	x	x	x	x	x				x	x	x	x	x
7	18/06/02 10H21	N 59 49.15 W 42 18.95	482 m	x	x	x	x		x				x	x	x		
8	18/06/02 13H44	N 59 48.61 W 42 13.95	1197 m	x	x	x	x	x	x				x	x	x		
9	18/06/02 16H50	N 59 48.01 W 42 00.15	1720 m	x	x	x	x		x	x	x	x	x	x		x	
10	18/06/02 20H22	N 59 47.72 W 41 43.67	1869 m	x	x	x	x	x	x				x	x	x		
11	18/06/02 23H43	N 59 46.38 W 41 17.78	2063 m	x	x	x	x		x				x		x		
12	19/06/02 03H15	N 59 45.37 W 40 54.22	2298 m	x	x	x	x	x	x		x	x	x	x	x	x	
13	19/06/02 07H16	N 59 43.41 W 40 15.13	2679 m	x	x	x	x		x				x				
14	19/06/02 11H44	N 59 41.12 W 39 35.98	2819 m	x	x	x	x	x	x				x				

CTDO ₂ Sta. n°	Date	Position	Sonde	O ₂	S	Nutr	CFC	Alk	pH	TOC	FMOD	CNH	¹²⁹ I	¹⁸ O	¹³ C	Terres Rares
15	19/06/02 16H15	N 59 37.43 W 38 57.53	2897 m	x	x	x			x	x	x	x				
16	19/06/02 20H42	N 59 33.44 W 38 19.10	3061 m	x	x	x	x	x	x				x	x	x	
17	20/06/02 01H19	N 59 29.51 W 37 40.79	3132 m	x	x	x	x	x	x							
18	20/06/02 05H49	N 59 25.65 W 37 02.23	3136 m	x	x	x	x	x	x	x	x	x	x	x		
19	20/06/02 10H36	N 59 21.82 W 36 23.75	3113 m	x	x	x	x		x							
20	20/06/02 15H14	N 59 17.94 W 35 45.71	3103 m	x	x	x	x	x	x					x		
21	20/06/02 19H45	N 59 13.95 W 35 06.90	3006 m	x	x	x	x		x	x	x	x				
22	21/06/02 00H16	N 59 09.89 W 34 28.57	2513 m	x	x	x	x	x	x				x	x	x	
23	21/06/02 04H34	N 59 06.19 W 33 49.88	2281 m	x	x	x	x		x				x			
24	21/06/02 08H33	N 59 02.34 W 33 11.57	2300 m	x	x	x	x	x	x	x	x	x	x	x	x	
25	21/06/02 12H35	N 58 58.32 W 32 33.20	1823 m	x	x	x	x		x				x			
26	21/06/02 16H25	N 58 54.62 W 31 54.65	1689 m	x	x	x	x	x	x				x	x	x	

27	21/06/02 20H00	N 58 50.66 W 31 16.09	1373 m	x	x	x	x		x		x	x	x	x				
28	21/06/02 23H24	N 58 43.60 W 30 41.76	1463 m	x	x	x	x	x	x	x								

CTDO ₂ Sta. n°	Date	Position	Sonde	O ₂	S	Nutr	CFC	Alk	pH	TOC	FMOD	CNH	¹²⁹ I	¹⁸ O	¹³ C	Terres Rares
29	22/06/02 02H23	N 58 33.02 W 30 21.92	1712 m	x	x	x	x		x				x	x	x	
30	21/06/02 05H37	N 58 24.63 W 30 06.15	2162 m	x	x	x	x	x	x		x	x	x			
31	22/06/02 09H29	N 58 12.46 W 29 43.42	2239 m	x	x	x	x		x							
32	22/06/02 13H24	N 57 58.25 W 57 58.24	2148 m	x	x	x	x	x	x						x	
33	22/06/02 17H35	N 57 40.41 W 28.43.56	2471 m	x	x	x	x		x	x	x	x	x	x		
34	22/06/02 21H57	N 57 22.64 W 28 10.34	2626 m	x	x	x	x	x	x						x	
35	23/06/02 02H22	N 57 00.30 W 27 52.77	2766 m	x	x	x	x		x							
36	23/06/02 07H43	N 56 37.72 W 27 33.35	2736 m	x	x	x	x	x	x	x	x	x				
37	23/06/02 12H46	N 56 15.26 W 27 17.41	2762 m	x	x	x	x		x							
38	23/06/02 17H32	N 55 52.97 W 26 59.90	2897 m	x	x	x	x	x	x							
39	23/06/02 22H28	N 55 30.38 W 55 30.20	3273 m	x	x	x	x		x	x	x	x				
40	24/06/02 03H21	N 55 08.96 W 26 24.64	3389 m	x	x	x	x	x	x							

41	24/06/02 08H37	N 54 45.71 W 26 07.36	3615 m	x	x	x	x		x										
42	24/06/02 13H45	N 54 23.21 W 25 49.67	3058 m	x	x		x	x	x		x	x							

CTDO ₂ Sta. n°	Date	Position	Sonde	O ₂	S	Nutr	CFC	Alk	pH	TOC	FMOD	CNH	¹²⁹ I	¹⁸ O	¹³ C	Terres Rares
43	24/06/02 18H33	N 54 00.97 W 54 00.75	3070 m	x	x	x	x		x							
44	24/06/02 23H28	N 53 38.41 W 25 14.43	3490 m	x	x	x	x	x	x							
45	25/06/02 04H32	N 53 16.12 W 24 56.98	3537 m	x	x	x	x			x	x	x	x			
46	25/06/02 09H32	N 52 53.55 W 24 39.33	3625 m	x	x	x	x	x	x							
47	25/06/02 14H16	N 52 31.25 W 24 21.77	3607 m	x	x	x	x		x							
48	25/06/02 19H12	N 52 08.80 W 24 04.27	3911 m	x	x	x	x	x	x	x	x	x	x			
49	26/06/02 0H40	N 51 46.38 W 23 46.63	3860 m	x	x	x	x		x							
50	26/06/02 06H07	N 51 24.06 W 23 29.10	3258 m	x	x	x	x	x	x							
51	26/06/02 11H07	N 51 01.60 W 23 11.63	3925 m	x	x	x	x		x		x	x	x			
52	27/06/02 01H47	N 50 38.49 W 22 54.08	3717 m	x	x	x	x	x	x							
53	27/06/02 07H00	N 50 16.73 W 22 36.36	4122 m	x	x	x	x		x							
54	27/06/02 12H27	N 49 54.33 W 22 18.81	3995 m	x	x	x	x	x	x		x	x				

55	27/06/02 17H53	N 49 31.92 W 22 01.17	4192 m	x	x	x	x		x								
56	27/06/02 23H20	N 49 09.48 W 21 43.62	4329 m	x	x	x	x	x	x								

CTDO ₂ Sta. n°	Date	Position	Sonde	O ₂	S	Nutr	CFC	Alk	pH	TOC	FMOD	CNH	¹²⁹ I	¹⁸ O	¹³ C	Terres Rares
57	28/06/02 05H07	N 48 47.17 W 21 25.97	3988 m	x	x	x	x		x	x	x	x				
58	28/06/02 10H39	N 48 24.74 W 21 08.51	4314 m	x	x	x	x	x	x							
59	28/06/02 16H18	N 48 02.30 W 20 51.05	4434 m	x	x	x	x			x						
60	28/06/02 22H24	N 47 39.89 W 20 33.33	4302 m	x	x	x	x	x	x	x	x	x	x			
61	29/06/02 03H48	N 47 17.51 W 20 15.75	4496 m	x	x	x	x			x						
62	29/06/02 09H21	N 46 54.99 W 19 58.13	4476 m	x	x	x	x	x	x							
63	29/06/02 14H47	N 46 32.54 W 19 40.46	4482 m	x	x	x	x			x	x	x	x			
64	29/06/02 20H26	N 46 10.18 W 19 23.10	4583 m	x	x	x	x	x	x							
65	30/06/02 01H53	N 45 47.72 W 45 47.80	4494 m	x	x	x	x			x						
66	30/06/02 07H29	N 45 25.34 W 18 47.84	4548 m	x	x	x	x	x	x	x	x	x	x			
67	30/06/02 13H02	N 45 02.93 W 18 30.25	4500 m	x	x	x	x		x							
68	30/06/02 18H43	N 44 40.48 W 18 12.75	4754 m	x	x	x	x	x	x							

69	01/07/02 0H33	N 44 22.62 W 17 49.19	4774 m	x	x	x	x		x		x	x				
70	01/07/02 06H25	N 44 04.63 W 17 25.57	3754 m	x	x	x	x	x	x							

CTDO ₂ Sta. n°	Date	Position	Sonde	O ₂	S	Nutr	CFC	Alk	pH	TOC	FMOD	CNH	¹²⁹ I	¹⁸ O	¹³ C	Terres Rares
71	01/07/02 11H33	N 43 46.71 W 17 01.89	3985 m	x	x	x	x		x							
72	01/07/02 16H55	N 43 28.74 W 16 38.31	4148 m	x	x	x	x	x	x	x	x	x				
73	05/07/02 10H08	N 43 28.59 W 16 38.51	4150 m	x	x	x	x		x		x					
74	05/07/02 14H05	N 43 10.80 W 16.14.74	5082 m	x	x	x	x	x	x							
75	05/07/02 19H59	N 42 52.87 W 15 51.02	4175 m	x	x	x	x		x	x	x	x				
76	06/07/02 01H19	N 42 34.88 W 42 34.92	4940 m	x	x	x	x	x	x							
77	06/07/02 07H06	N 42 16.85 W 15 03.91	5247 m	x	x	x	x		x							
78	06/07/02 13H01	N 41 58.97 W 14 40.25	5278 m	x	x	x	x	x	x	x	x					
79	06/07/02 19H06	N 41 40.96 W 14 40.90	5283 m	x	x	x	x		x							
80	07/07/02 01H01	N 41 23.00 W 13 53.26	5292 m	x	x	x	x	x	x							
81	07/07/02 06H58	N 41 05.08 W 13 29.50	5292 m	x	x	x	x		x	x	x	x				
82	07/07/02 13H06	N 40 47.18	5284 m	x	x	x	x	x	x							

		W 13 05.91															
83	07/07/02 19H10	N 40 33.09 W12 38.75	5253 m	x	x	x	x		x								
84	08/07/02 01H03	N 40 19.96 W 12 13.21	5210 m	x	x	x	x	x	x		x	x					
85	08/07/02 06H37	N 40 20.02 W 11 46.73	5166 m	x	x	x	x		x								

