

CTD_S_ALL_FT_station 63_Cast 155

Cruise: SWINGS 2021
Ship: N/O Marion Dufrenoy

STATION	
CAST	
DEPTH	

DATE:
SAMPLING START (GMT): 16:30
SAMPLING END (GMT):

Secretary: 24.02.2021

COB

Amies de Bruno!

Sampling: CISO Team

Sampling: users

Anticipated				Done		Oxygen														Bottle						
Bottle	Target	Optimized	Real	Spin time	CH4	Flask#	TP°	DIC-Air	130C	135C	140C	Salinity#	MPSI	NH4-300	NO3-300	DOH-300	POC/PON	HPIC	Chloro-200	FRRF	OMC [3 eqn] CTTO	Nitrif	celcl	St-Ba	Nd-300-150	Vol (l)
1	Bot-30	2432	2410			38	1/6	1.18	1.5	0.25	0.1	0.35	0.2	0.15	0.1	0.15	2.5	2	2.5	0.1	10	0.1	0.7	2	X	1
2	2200	2200	2230					1.28				1.42													X	2
3	2000	2000	2029			38	1/5	1.38				1.48													X	3
4	2000	2000	2029																						X	4
5	1750	1750	1744					1.58				1.49													X	5
6	1400	1400	1419			39	1/3	1.68				1.49													X	6
7	1200	1158	1210																						X	7
8	1000	1000	1012			40	2/0	1.88				1.50													X	8
9	800	800	809			41	2/1	1.98				1.51													X	9
10	600	602	607			42	2	1.98				1.51													X	10
11	500	500	504					1.98																	X	11
12	500	500	504																						X	12
13	400	400	404			43	2/3	1.98				1.52													X	13
14	300	300	304					1.98																	X	14
15	200	198	199			44	2/2	1.58				1.53													X	15
16	160	160	161					1.68																	X	16
17	MinT 300	300	301			45	1/0	1.78																	X	17
18	100	100	101																						X	18
19	minT-100	100	101			46	1/1	1.98				1.54													X	19
20	60	60	60					1.98																	X	20
21	40	40	40					1.98																	X	21
24	20	20	20			48	2/2	1.98																	X	24

34.714	84.720	84.730	84.741	84.753	34.769	34.730	34.644	34.644	34.594	34.594	34.585	34.462	34.428	34.080	33.986	33.946	33.922	33.743	33.743	33.743	33.741
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min T: [120; 140]

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CXD-C. 63.156

24.02.2021

03 = 6.53 · 10⁴
 05 = 1.27 · 10⁴
 5.0 = 8.53 · 10²

DEPTH SAMPLING END (GMT):

Unfiltered

Filtered

Filter value

Boite	Span line	Justification	target	Sample ID	THg	DGM	MeHg	Salinity	DOC	(Fe oxidation)	Nitrate	troub isotopes	Tommy	N P Si	chl	chl	ligands	ligands	fluores	fluores	Carbon	RTS	fluores
1	2465	2418	bottom-30	VF																		1	28x4
2		11	bottom-30																			2	9
3		2334	2300																			3	8x5
4		2233	2200																			4	50 8.0
5		2129	2100																			5	32x5.8
6		2018	2000							NO ₃ X												6	76x9.0
7		1825	1800																			7	41x5.8
8		1621	1600																			8	51x7.1
9		1520	1500																			9	59x5.1
10		1266	1250																			10	22x4.0
11		1011	1000																			11	14 7.5
12		808	800																			12	25x7.3
13		608	600																			13	24 7.5
14		508	500																			14	3x7.2
15		404	400																			15	47x5.2
16		358	350																			16	33x4.6
17		300	300																			17	49x4.8
18		250	250																			18	19x1.6
19		200	200																			19	18 3.75
20		151	150																			20	2x5.9
21		120	120																			21	52x4
22		50	50																			22	27 1.9
23		31	30																			23	58x4
24		31	30																			24	55x4.0

Blank #8 -> 15x (1.0L)
 #22 -> 36x (1.0L)

#1 -> leaking

#21 -> 52x -> 39x -> 2.02
 #23 -> 58x -> 12 -> 1.32

5.0x10⁴

64 - 857
Be

Station	86464 64
Lat	55° 51' 50"
Long	67° 44' 44"
Date (UTC)	02/25/21
Time (UTC)	14:06:53
Cast #	157
Bottom Depth (m)	2424
Mixed Layer (m)	95

Target Depths 50, 110, 125, 140, 150

Tank	5
Depth (m)	150
Start	11:59
Stop	12:34
Fill tanks	12:38
Flow through	13:28
Gallons	1220155

Tank	4
Depth (m)	140
Start	12:36
Stop	13:13
Fill tanks	13:30
Flow through	14:05
Gallons	1221460

Tank	3
Depth (m)	125
Start	13:14
Stop	13:46
Fill tanks	14:08
Flow through	14:50
Gallons	1222680

Tank	2
Depth (m)	110
Start	13:52
Stop	14:32
Fill tanks	14:50
Flow through	15:30
Gallons	1224135

Tank	1
Depth (m)	50
Start	14:38
Stop	15:12
Fill tanks	15:31
Flow through	16:09
Gallons	1225210

Tank	
Depth (m)	
Start	
Stop	
Fill tanks	
Flow through	
Gallons	

CTD_S_65_PVB_Ra CAST 158

Cruise: SWINGS 2021
Ship: N/O Marion Dufresne

STATION CAST	
DEPTH	138

DATE: 26/2/21
SAMPLING START (GMT):
SAMPLING END (GMT):

Secretary:

Sampling: OISO Team

Sampling: users

Bottle/TARGET	Optimized	REAL	DO/IE		Oxygen		138C	1880	Salinity#	N,P,Si	NH4-300	NO3 Isot	DON Isot	POC/PON	HPLC	Chla <200	Chla vol	PRRF	OMC (3 dep)	CYTO	Nitrif	caldif	Z34Th	SS-1500	MRB	Nd-iso>15k	Bottle
			Spun Line	OH4	Flask#	TP*	DIC-Alk	138C	1880	Salinity#	N,P,Si	NO3 Isot	DON Isot	POC/PON	HPLC	Chla <200	Chla vol	PRRF	OMC (3 dep)	CYTO	Nitrif	caldif	Z34Th	SS-1500	MRB	Nd-iso>15k	
1	Bot-20	120						0.2	1	0.2	0.25	1.5	0.25														1
2	Bot-20																										2
3	Bot-20																										3
4	Bot-20																										4
5	Bot-20																										5
6	Bot-20																										6
7	Bot-20																										7
8	Bot-20																										8
9	Bot-20																										9
10	Bot-20																										10
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14	30																										14
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19	30																										19
20	30																										20
21	30																										21
24	30																										24

5 pas prélevée

Stelle 5
ouvert
Nylon Gray Conco

Sta 65-159

1.13	55
4.91	54
7.53	52

STATION	
CAST	
DEPTH	

DATE: _____
SAMPLING START (GMT): _____
SAMPLING END (GMT): _____

Filtered and

References

Rectle	Spenn line	Indication	Target	Supply To	Tig	DGM	Meth	GT fan	DOC	Ferr oxidation	Nitrate and Pb hydrogases (ZU)	hydrophob	Tromy/Helwanen #	NUTS	din	dTM	dM	Lugank (dGentl)	Hunco (dGentl)	
1			Bottom-30	122	V.	V.	V.	.		V.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
2			Bottom-30	-				.						.	V.	V.	V.	V.	V.	V.
3			Bottom-30	-				.						.	V.	V.	V.	V.	V.	V.
4			Bottom-30	-				.						.	V.	V.	V.	V.	V.	V.
5			Bottom-30	-				.						.	V.	V.	V.	V.	V.	V.
6			Bottom-30	-				.						.	V.	V.	V.	V.	V.	V.
7			Bottom-30	-				.						.	V.	V.	V.	V.	V.	V.
8			Bottom-30	122	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
9		DC M	Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
10			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
11			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
12			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
13			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
14			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
15			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
16			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
17			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
18			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
19			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
20			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
21			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
22			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
23			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.
24			Bottom-30	80	V.	V.	V.	.		X.	V.	V.	.	V.	V.	V.	V.	V.	V.	V.

GFLO #19 $\rightarrow 4 \times (\text{for } Z_h) 2L$
 $\rightarrow 22 \times (2 + 2.9)L$

is that

Sta 66 - cat 161

Carotid

m'a pas mordu

CTD_S_66_AII_

162

Cruise: SWINGS 2021
Ship: N/O Marion Dufresne

STATION	CAST	DEPTH

DATE: 26-02-2021
SAMPLING START (GMT): 15:00
SAMPLING END (GMT): 16:45
Secretary:

Sampling: OSO Team
Sampling: users

Bottle Target	Optimized	REAL	Span Line	CHN	Flank	Tp	Oxygen		130C	138C	146C	Salinity	N.P.51	NH4-300	NO3 loc	DON loc	POC/PON	HPLC	Chla <200	Chla vol	FRB	OMC 13 dph	CTD	Nitrif	calcl	234th	SP-1500	Nd-100-15	Bottle
							DIC-AIK																						
1 Bot-30-5	404	408	404		1		1.5		0.25	0.1	0.35	0.2	0.15	0.1	0.15	2.5	2	2.5	0.1	0.1	0.1	0.1	0.7	2	10.9	2	4	10	1
2 Bot-30-5																													2
3 Bot-30-5																													3
4 375 400	379	375			37x	2.1	03AX				155x																		4
5 350 350	350	350					05AX																						5
6 300	258	201	196		38x	2.2	06AX				156x																		6
7 TmH 250	250	252	247				07AX																						7
8 180 220	180	180	177				08AX																						8
9 200	180	180	196	CHN	39x	1.9	08AX				157x																		9
10 180	180	180	177				20AX																						10
11 160	160	163	159				11AX																						11
12 140	140	140					12AX																						12
13 120	120	120					13AX																						13
14 100	100	101					14AX																						14
15 80	80	81					15AX																						15
16 60	60	60					16AX																						16
17 50	50	51					17AX																						17
18 40	40	40					18AX																						18
19 30	30	30																											19
20 30	30	30																											20
21 20	20	20																											21
24 10	10	11																											24

O₂ = 39 géléré sur la v^oB à 196 m
la 4 a été gelée au 670-3a

31.368
34.868
34.865
34.181
34.166
34.001
34.037
34.001
33.890
33.896
33.898
33.897
33.893
33.895
33.895
33.894
33.894
33.894

CTD_C_66_

163

SWINGS 2021
Ship: N/O Mission Outdrift

STATION
CAST
DEPTH

DATE
SAMPLING START (GMT)
SAMPLING END (GMT)

26-02-2021

Patches: 6.67-10.4
2.15-10.4
2.0-10.0

Unfiltered

Filtered

Unfiltered

Bottle	Span line	Justification	target	Sample ID	THg	OCM	MeHg	Gr fin	DOC	Fe oxidation	Invertebrate abundance	Microphyta abundance (%)	Trammy/No biomass	NO ₃ -N	dte	DTM	chl	lipids (17:0m)	humic (16:0m)	biogenic	fluores 1	fluores 2	Carbon	REES	2h isotopic DTM	bucket #	unfiltered (liters)	collected for filtered bucket	Volume filtered (l)	Bottle
1	403	403	Bottom-30		V.	V.	V.		X.		V.	V.		V.	V.	V.	V.	V.	V.	V.	V.				5.2			1		
2	403	403	Bottom-30																								2			
3	403	Bottom-30	Bottom-30						V.		V.								V.								3			
4	403	335	400						V.		V.								V.								4			
5	403	335	400						V.		V.								V.								5			
6	403	350	350						V.		V.								V.								6			
7	403	350	350						V.		V.								V.								7			
8	403	309	300			V.	V.	V.	V.		V.								V.								8			
9	403	300	300						V.		V.								V.								9			
10	403	25	250						V.		V.								V.								10			
11	403	250	250						V.		V.								V.								11			
12	403	180	200		V.	V.	V.		V.		V.								V.								12			
13	403	180	200						V.		V.								V.								13			
14	403	150	150						V.		V.								V.								14			
15	403	150	150						V.		V.								V.								15			
16	403	100	100		V.				V.		V.								V.								16			
17	403	80	80		V.	V.	V.		V.		V.								V.								17			
18	403	60	60		V.	V.	V.		V.		V.								V.								18			
19	403	30	30		V.	V.	V.		V.		V.								V.								19			
20	403	30	30		V.				V.		V.								V.								20			
21	403	30	30							Heather			7*500ml														21			
22	403	30	30							Heather																	22			
23	403	30	30							Heather																	23			
24	403	30	30							Heather																	24			

number of bottles per parameter

5

5

5

0

11

0

2

0

0

11

11

11

11

11

11

11

1

11

1

1

1

1

0

4

11

0

0

0

0

0

Blank — 27X → GOFluo #10

* no Zn, Pb, REE

4x
5.3x
19
18x
34
13x
70
20
12x
6x
20x
38x
34

Cost Rs 4

26-02-2021

STATION	
CAST	
DEPTH	

Secretary:

[illegible]

CTD_S_68_All_

Cruise: SWINGS 2021
Ship: N/O Marion Dufresne

STATION	
CAST	
DEPTH	

DATE:
SAMPLING START (GMT):
SAMPLING END (GMT):

Secretary:

Sampling: DISO Team

Sampling: users

[illegible]

~~156~~ 167

numéro 166 au lieu de 167 entrée dans le fichier

Cruise: **SWINGS 2021**
Ship: **N/O Marlon Dufresne**

STATION	
CAST	
DEPTH	

DATE:
SAMPLING START (GMT):
SAMPLING END (GMT):

0.3 9.54.10⁴
0.5 3.02.10⁴
5 0

avec
0.70m
Cartridge

Unfiltered

Filtered

Ultrafiltered

[illegible]

Bottom - 30 = 400 m $\rightarrow$ 5 bottles a 1 m profundum

✓
over 50% needed

#19 - taking bp
#16 - "
"

Blank #8 - 25x61.1L1

Admission 64.

21 → $37 \times (3.52) \rightarrow 0.15 \times (0.4)$

1° Cart du La St 68.

booteilles:

Secretary:

Robert
\$1.00
for
7.00

27.07.2024

#5 semi ouverte
#9 pas d'arc

#7 pousie
(desochie)
rapide par Ham

3. Chlorine -
 as 2 pellets have
 been made in 1 day
 → 100% yield
 → 100% yield
 → 100% yield

169

STATION	
CAST	
DEPTH	

27.02.2021

Bromo 1L bottles
on 4x125 ml.

Filtered

Letter of Intent

[illegible]

S-68-170

S-68-170

S-68-170

S-68-170

S-68-170

S-68-170

S-68-170

S-68-170

$\triangle 34, 415$
 $\triangle 34, 391$
 $\triangle 34, 291$
 $\triangle 34, 186$
 $\triangle 34, 082$
 $\triangle 34, 033$
 $\triangle 33, 943$
 $\triangle 33, 943$
 $\triangle 33, 904$
 $33, 904$
 $33, 902$

) 33, 904

~~17~~

33, 561

$\triangle 34, 415$
 $\triangle 34, 391$
 $\triangle 34, 291$
 $34, 188$
 $\triangle 34, 082$
 $\triangle 34, 033$
 $33, 943$
 $33, 943$
 $\triangle 33, 904$
 $33, 904$
 $33, 902$

$33, 901$

~~17~~

$33, 561$

[illegible]

$\triangle 34, 415$
 $\triangle 34, 391$
 $\triangle 34, 291$
 $\triangle 34, 186$
 $\triangle 34, 082$
 $\triangle 34, 033$
 $\triangle 33, 943$
 $\triangle 33, 943$
 $\triangle 33, 904$
 $33, 904$
 $33, 902$

) 33, 904

~~17~~

33, 561

$\triangle 34, 415$
 $\triangle 34, 391$
 $\triangle 34, 291$
 $\triangle 34, 186$
 $\triangle 34, 082$
 $\triangle 34, 033$
 $\triangle 33, 943$
 $\triangle 33, 943$
 $\triangle 33, 904$
 $33, 904$
 $33, 902$

) 33, 904

~~17~~

33, 561

Station: SWG_68_171_P
Bottom Depth: 520 m

Lat:
Long:

ကံ နှိ

68-171-2

ISP order	clamp time (min)	cable speed (m/s)	cable time (min)	total ship time (min)	Longueur câble (m)	Target depth (m)	True depth (m)	ISP name	Filter Holder	Filter Type	Initial Volume (m3)		Final Volume (m3)	V filtered (L)	Min catch	Cast ISO				Cast TM				Comment			
											CJ	MBB				PvB	FP	IO	HP + L-E	CJ	DC	MS					
1	5	0,8	0,2	5,2	48	450		ISP-C4 + TLOG	HM2	SUPOR CJ	37,298		37,676	378	X2	X							+ blanc. Filtre bien chargé				
2	5	0,8	0,4	10,6	12	430		ISP-C6	ML3	SUPOR HP	41,846		42,341	395					X				+ blanc. Cerve crassée (ajoutant...)				
3	5	0,8	0,6	16,2	42	400		PIS010	HMB	SUPOR CJ	104,822		105,353	531	X2	X											
4	5	0,8	1,7	32,9	122	320		PIS013	HMS	SUPOR CJ	11,6144		12,0764	462	X2	X							lâches blanches rondes et allongées.				
5	5	0,8	0,4	28,2	142	300		PIS012	HMA	P1/P2/OMA	85,999		86,464	465			X			X							
6	5	0,8	-0,4	20,8	242	200		PIS021	PH1	SUPOR HP	7,3749		7,7459	371					X			X	X				
									PH2	P1/P2/OMA	8,5119		8,8467	334,8				X									
7	5	0,8	2,5	30,0	282	180	WW vehicle	PIS007	HMB	SUPOR CJ	18,304		18,664	550	X2	X								lâches blanches			
									HM1	P1/P2/OMA	57,428		57,95	422				X									
8	5	0,6	0,8	5,8	282	160		ISP-C4	HM1	P1/P2/OMA	57,428		57,95	422							X						
9	5	0,8	0,8	11,7	322	120		PIS011	HMB	P1/P2/OMA	82,046		82,362	316								X					
10	5	0,8	0,4	17,1	342	100		ISP-C4 + TLOG	ML2	SUPOR CJ	58,527		58,791	264	X2	X									lâches blanches		
11	5	0,8	0,4	22,5	382	80		PIS009	HMB	P1/P2/OMA	82,202		82,548	346			X			X					pleine d'eau		
12	5	0,8	0,6	28,1	392	50		ISP-C4 + TLOG	ML1	SUPOR CJ	17,849		17,892	43			X			X					test à déployer avec l'endosse. + Blanc		
13	5	0,8	1,0	34,2	418	30		PIS020	PH1	SUPOR HP	7,5282		7,6538	107,5					X			X	X			+ blanc	
									PH2	P1/P2/OMA	9,9977		10,1534	157,7				X									
Total	65		5,5	74,5	460																						
Total (moy)	1.03333																										
Longueur totale filée																Date		Onboard time		TU		TU = LT5					
																27/02/2021		13:15		8:15							
																Deployment effort time											

Deployment start time	13:15	8:15	TU = LT5
Pump start date:	27/02/2021	14:45	9:45
Pump end date:	27/02/2021	17:15	12:15
Pump onboard:	27/02/2021	18:15	13:15

total volume pumped SWINGS

189600
189601

Remarques:	
Hauteur de la bordée:	8
Jolie carotte!	11

Total deployment (min)	75
Total recovery	75

Nombre de l'ite

Cruise: SWINGS 2021
Ship: N/O Marion Dufrenoy

STATION	DATE	Secretary:
CAST	1/12/21	Deep
DEPTH	13:40 → 14:00	Van Ra

SAMPLING START (GMT):
SAMPLING END (GMT):

DATE: 17/02/21
SAMPLING START (GMT):
SAMPLING END (GMT): 13:40 → 14:00
Secretary: Jeroen van Raa

Sampling: users

[illegible]

CTD_S_OISO_stne

/69

S-69-173

Cruise: SWINGS 2021
Ship: N/O Marion Dufresne

STATION	
CAST	
DEPTH	

DATE:
SAMPLING START (GMT):
SAMPLING END (GMT):

Bottle/TARGET	Optimized	REAL	Spun line	Oxygen		DIC-AIR	136C	136O	Salinity#	M.P.SI	Chloro-200	Vol	SP-1500	Ba at 2000 m	Bottle
				Flask#	Tr										
1	1200			25	2.1	018	1.5								1
2	1200			26	2.4	020		02	163	02					2
3	1000			27	2.1	030		05	170	03					3
4	800			28	3.0	040		04		04					4
5	600			29	3.5	050		05		05					5
6	500			30	3.3	060		06		06					6
7	400			31	4.0	070									7
8	350			32	4.1	080									8
9	300			33		090		09		09					9
10	250			34	2.5	100		09	177	10					10
11	200			35	3.7	110		11	179	11					11
12	150			36	4.1	120				12					12
13	125			37	4.7	130				13					13
14	100			38	5.1	140		14	174	14					14
15	75			39	6.8	150		16	175	16					15
16	50			40	6.3	160				16					16
17	40			41	5.8	170				17					17
18	30			42	6.0	180				18					18
19	20			43	4.1	190		19		19					19
20	10			44	4.6	200				20					20
21															21
24															24

9 padagui

34,74
34,74
34,69
34,65
34,57
34,50
34,42
34,37
34,31
34,20
34,050
33,940
33,880
33,88
33,87
33,87
33,87
33,87
33,86 à la volée!

Bis (au) 14/01/16
1010

CTD_S_OISO_stn012

S-70-174

Cruise: SWINGS 2021
Ship: N/O Marion Dufrenoy

STATION	
CAST	
DEPTH	

DATE:
SAMPLING START (GMT):
SAMPLING END (GMT):

Bottle/TARGET	Optimized	REAL	Spun Line	Oxygen		DIC:alk	136C	136O	Salinity#	M.P.SI	Chlor<200	Vol	SP>1500	Ba at 2000 m	Bottle
				Flask#	Trp										
1	1200	1200		1	2,6	014 X			0.35						1
2	1200	1200		2	2,9	014 X	7 X	2 X	177 X	2			X		2
3	1000	1000		3	3,0	03A X	3 X	3 X	178 X				X		3
4	800	800		4	3,0	04A X	4 X	4 X	173 X				X		4
5	600	600		5	3,0	05A X	5 X	5 X					X		5
6	500	500		6	3,1	06A X	6 X	6 X					X		6
7	400	400		7	3,1	07A X							X		7
8	350	350		8	3,2	08A X							X		8
9	300	300		9	3,3	09A X							X		9
10	250	250		10	3,4	10A X							X		10
11	200	200		11	3,5	11A X							X		11
12	150	150		12	3,5	12A X							X		12
13	125	125		13	3,8	13A X							X		13
14	100	100		14	4,7	14A X							X		14
15	75	75		15	5,8	15A X							X		15
16	50	50		16	6,4	16A X							X		16
17	40	40		17	6,5	17A X							X		17
18	30	30		18	6,7	18A X							X		18
19	20	20		19	6,8	19A X							X		19
20	10	10		20	6,8	20A X							X		20
21	600	600													21
22	300	300													22
23															23
24															24

341,72
341,72
341,66
341,61
34,49
34,39
34,27
34,20
34,14
33,99
33,82
33,82
33,80
33,76
33,69
33,67
33,67
33,67
34,49
34,14

CTD_S_OISO_stn025

71-175

Cruise: SWINGS 2021
Ship: N/O Marion Dufrenoy

STATION	1
CST	
DEPTH	3800

DATE: 2/3/21
SAMPLING START (GMT):
SAMPLING END (GMT):

Star

Sampling: OISO Team

Sampling: users

ANTICIPATED		DONE		Oxygen		DIC/ALK		188C	188O	Salinity	N.P.SI	Chl a-200	Vol	SP-1500	Be at 2000 m	Bottle
Bottle/TARGET	Optimized	REAL	Span Line	Flask	Tr	DIC/ALK	188C	188O	Salinity	N.P.SI	Chl a-200	Vol	SP-1500	Be at 2000 m	4 VOL (l)	Bottle
1	1200	1213		25	3.1	010	1	1	185	2						1
2	1200	1213			3.1											2
3	1000	1612			3.1		3	3	186							3
4	800	908			4.1											4
5	600	505			4.1		6	6	187							5
6	500	401			5.0		8	8	188							6
7	400	304			5.1											7
8	300	251			6.1		10	10	189		10					8
9	250	200			5.2											9
10	200	151			5.4											10
11	150	123			6.1	120										11
12	125	99			6.8	138	13	13	190							12
13	100	74			7.5	140										13
14	75	49			7.8	150	15	15	191							14
15	50	41			7.7	168										15
16	40	29			7.8	170										16
17	30	19			8.1	188	18	18	192	18	18					17
18	20	11			8.5											18
19	10															19
20																20
21																21
22																22
23																23
24																24

Rem: double pde O2 (34) pour
etre pas sur Niskin

19 pas fermez
gross du quat CTD.

