

01_001

TD: S. Basic

Cruse: SWINGS 2021
Ship: N/O Marion Dufrene

Sampling Sheet #

STATION	D1
CST	001
DEPTH	

DATE: 14/01/21
SAMPLING START (GMT): 16:15 UTC
SAMPLING END (GMT): 14:55 UTC
Secretary: LLOVD
16:15 UTC
14:55 UTC

Sampling: OISO Team

Sampling: users

Bottle	Spanline	CTD pressure	Oxygen		DIC-AIR	133C	183C	Salinity	N/P Si	NH4-300	NO3-300	DON-300	POC/TON	HPLC	Chl-a-200	FRF	Trans (3 depths)	CYTO	Nitrif	Calcif	HUGO	Sp-1500	Ba at 2000 m	1234th	Nd-iso-1500	vol gris	vol vert	Bottle
			Flask#	TP																								
1		5030	1	6.1	1A			1																				1
2		5030	2	6.5	2A			2																				2
3		4060	3	6.7	3A			3																				3
4		4060	4	7.2	4A			4																				4
5		2735	5	7.8	5A			5																				5
6		2735	6	8.1	6A			6																				6
7		2023	7	8.6	7A			7																				7
8		2023	8	8.6	8A			8																				8
9		1000	9	10.6	9A			9																				9
10		1000	10	11	10A			10																				10
11		606	11	12.2	11A			11																				11
12		605	12	14.1	12A			12																				12
13		304	13	18.3	13A			13																				13
14		303	14	18.4	14A			14																				14
15		128	15	22	15A			15																				15
16		127	16	22.1	16A			16																				16
17		3.2	17	24.4	17A			17																				17
18		53.2	18	24.6	18A			18																				18
19		91.8	19	25.8	19A			19																				19
20		27.6	20	25.9	20A			20																				20
21		5	21	26.3	21A			21																				21
22		5	22	X	22A			22																				22

1 mnd formée (pas assa-f-ice)
24 ouverte (bouvide)
5 mnd formée : bouteille vide!

12A : DIC-AIR prélevé
6A : faite au lieu de la 5A
21. Hugo 2 à faite

redoubte

01_002

CLEAN

CLEAN CTD

Cruise: SWINOS 2021
Ship: N/O Marion Dufrenoy

Shift: Tana/Elodie/Fred V

Sampling Sheet 1

STATION	01
CDET	002
DEPTH	5000?

DATE	16.01.21
SAMPLING START (GMT)	
SAMPLING END (GMT)	

CTD No.	
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Shift: Tanu/Eurlic/Fred V

					UNFILTERED PARAMETERS																																			
Bottle	Span line	CTD pressure	Desired pressure	Sample ID	24 depths				1 depth																															
					24 depth	12 depths	no headspace	NaAla	Chlorophyll	Stephanie																														
					Thy (60ml) (if placed in surface, indicate at	NaAla (125ml)	salinity (250ml)	DOC					Fiber holder	Fiber diameter	nutrients	dfe (60ml)	DTM (60ml)	DTM (60ml)	dol (60ml)	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally	Wally		
1	1939	5030	5030																																					
2	1939	5030	5030																																					
3	-	4500	4500																																					
4	-	4500	4500																																					
5	3397	4060	4060																																					
6	3377	4060	4060																																					
7	2890	2241	2710																																					
8	1985	2029	2735																																					
9	1992	2029	2028																																					
10	1997	2023	2023																																					
11		1905	1905																																					
12	1884	1900	1900																																					
13	986	1004	1010																																					
14	982	1005	1005																																					
15	592	611	611																																					
16	585	606	606																																					
17	290	309	309																																					
18	286	305	304																																					
19	115	133	133																																					
20	110	128	128																																					
21	40	58	58																																					
22	34	53	53																																					
23		33	33																																					
24		28	28																																					

Problem of 1st longuon cable (2020m)

depth
meter
pressure
pilot
↓

02_005

D_ISO_SHALLOW

Cruise: SWINGS 2021
Ship: N/O Marion Dufresne

STATION: 2
CAST: 5
DEPTH: 4800

DATE: 17/01/2021
SAMPLING START (GMT): 12:45
SAMPLING END (GMT): 13:06
Secrétaire Colf

Bottle	ANTICIPATED		DONE		Pa/Th	Ac	Ra-Ba	FUGO Valrose	Bottle
	TARGET m	OPTIMIZED m	REAL (40)	Spun Line m					
1	2000		2022	2000					1
2	1800		2022						2
3	2000		2022						3
4	2000		2021						4
5	1800		1818						5
6	1800		1818						6
7	1200		1210						7
8	1200		1210						8
9	1000		1008						9
10	1000		1008						10
11	500		504						11
12	500		503						12
13	250		201						13
14	250 mx 5		202						14
15	125		126						15
16	125		126						16
17	80 DCM?		95						17
18	30		30						18
19	30		30						19
20	15		10						20
21	15		9						21
24	15		8						24

Commentaires

Pic Chk : 90 m

20, 21, 24 → Incubation Hongo

1 AS-8L seulement
donc que Nd seul
Cs curieux.

02-006

CTD, S. Basic
STATION: SWINGS 2021
Ship: N/O Marion Dufrenoy

STATION	007
CST	00.6
DEPTH	475.2

DATE: 19/01/21
SAMPLING START (GMT): 15:15
SAMPLING END (GMT): 20:05

Secretary: *Caiz*
a *Hélie*

ND Bear # 2 non suicée.
Bear # 3 que 48.
Bear # 4 " "

ANTICIPATED										Sampling: OISO Team										Sampling: users									
Bottle/TARGET	Optimized	REAL d/s	Spun time	Oxygen	flask#	TP	DIC-AIK	138C	188O	Salinity#	N.P. SI	NH4-GMO	NO3 isot	DO isot	POC/PON	HTIC	Chlor 2000 (chem)	FRF	OMC (3 d/CTO)	Nitrit	Calcif	SP-1500	Ba at 2000 m	Na-HCO3 15vol grs	vol vert	Bottle			
1001 (4)																													
1 Bottom-30	4725	4844		1	8	11C	12.1	1.1	0.5	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	1	
2 4500	4492	4530		2	8.2	12C	12.2	1.2	0.6	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	2	
3 4000	4944	4059		3	9.3	13C	12.3	1.3	0.7	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	3	
4 3500	3495	3548		4	10.3	14C	12.3	1.3	0.8	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	4	
5 2800	2396	2423		5	10.1	15C	12.5	1.5	0.9	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	5	
6 2400	2396	2423		6	10.5	16C	12.5	1.5	0.9	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	6	
7 1800 m/s	1600	1615		7	11.8	17C	12.7	1.7	1.0	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	7	
8 1200 mins	1192	1208		8	12.0	18C	12.7	1.7	1.0	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	8	
9 1000	992	1006		9	13.2	19C	12.9	1.9	1.0	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	9	
10 800	792	804		10	14.8	20C				0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	10	
11 600	599	603		11	14.1	21C				0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	11	
12 500	500	504		12	14.8	22C	12.12	1.2	1.0	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	12	
13 400	400	404		13	15.8	23C				0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	13	
14 350	350	354		14	16.4	24C				0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	14	
15 300	301	304		15	17.1	25C				0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	15	
16 250 m/s	250	252		16	18.1	26C				0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	16	
17 200	201	203		17	18.4	27C	12.14	1.4	1.0	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	17	
18 150	152	153		18	19.0	28C				0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	18	
19 125	123	128		19	19.3	29C				0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	19	
20 80 DCM?	75	77		20	20.6	30C	12.2	1.2	1.0	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	20	
21 50	52	53		21	21.9	31C	12.2	1.2	1.1	0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	21	
24 15	17	17		24	24.9	31A				0.35	0.2	0.15	0.1	0.15	2.5	2	4	0.1	10	0.1	0.1	2	2	4	10	10.5	12.8	24	

1000m

7 Robinet affecté d'après Duvion
L's à changer.

02-807

Lloyd

ID: C
CURATOR: SWINGS 2021
SHIP: N/O Marion Dufrenoy
DATE: 12/01 10:15pm (local)
STATION: 3
CAST: 475B
DEPTH: 475B
SAMPLING START (GMT):
SAMPLING END (GMT):
Secretary: JESSICA / NICK
bottom of 400m as well

ALL done

Volume (L)

Unfiltered

bottom of 400m as well

Bottle	ANTICIPATED		DOING		Sample ID	Thg	DGM	Metg	Salinity	DOC	OMCS	Fe oxidation	Swimex #	Bucket #	N.P.Si	dfe	DTM	dM	dM	dM	Lignos	Humic	Fluoride	Fluorine 2	Cation	pH	Zn isotopes	Pb isotopes	Volatiles	DTM	unfiltered	collected for filtered bucket	Volume filtered (L)
	target	target	Real pressure	Spn line																													
1	bottom-30		415			V.	V.	V.	107.1	V.		V.	18	18	V.	V.	V.	V.	V.	V.	V.	V.	5.7				V.	V.	V.	V.	1	1	1
2	4500		458	4512		V.	V.	V.	108.1	V.	V.	V.	26	3	V.	V.	V.	V.	V.	V.	V.	V.	3.7				V.	V.	V.	V.	2	2	2
3	4000		4008			V.	V.	V.	109.1	V.	V.	V.	14	19	V.	V.	V.	V.	V.	V.	V.	V.	7.3	7.5			V.	V.	V.	V.	3	3	3
4	3500		3555	3509		V.	V.	V.	110.1	V.	V.	V.	23	16	V.	V.	V.	V.	V.	V.	V.	V.	8.8	8.8			V.	V.	V.	V.	4	4	4
5	3000		3010	3005		V.	V.	V.	111.1	V.	V.	V.	33	14	V.	V.	V.	V.	V.	V.	V.	V.	9.5	9.5			V.	V.	V.	V.	5	5	5
6	2800		2834	2801		V.	V.	V.	112.1	V.	V.	V.	11	11	V.	V.	V.	V.	V.	V.	V.	V.	9.8	9.8			V.	V.	V.	V.	6	6	6
7	2000		2023	2000		V.	V.	V.	113.1	V.	V.	V.	25	1	V.	V.	V.	V.	V.	V.	V.	V.	6.0	6.0			V.	V.	V.	V.	7	7	7
8	1750 (2 min)		1600	1618	1601	V.	V.	V.	114.1	V.	V.	V.	10	2	V.	V.	V.	V.	V.	V.	V.	V.	5.8	5.8			V.	V.	V.	V.	8	8	8
9	1500 (2 min)		1200 (2 min)	1215	1199	V.	V.	V.	115.1	V.	V.	V.	15	15	V.	V.	V.	V.	V.	V.	V.	V.	4.3	4.3			V.	V.	V.	V.	9	9	9
10	1200 (2 min)		1200 (2 min)	1214	1198	V.	V.	V.	116.1	V.	V.	V.	12	12	V.	V.	V.	V.	V.	V.	V.	V.	3.5	3.5			V.	V.	V.	V.	10	10	10
11	1000 (2 min)		600	607	598	V.	V.	V.	117.1	V.	V.	V.	18	12	V.	V.	V.	V.	V.	V.	V.	V.	2.8	2.8			V.	V.	V.	V.	11	11	11
12	1000 (2 min)		600	605	597	V.	V.	V.	118.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	1.3	1.3			V.	V.	V.	V.	12	12	12
13	1000 (2 min)		600	605	597	V.	V.	V.	119.1	V.	V.	V.	18	12	V.	V.	V.	V.	V.	V.	V.	V.	1.3	1.3			V.	V.	V.	V.	13	13	13
14	500		504	494		V.	V.	V.	120.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	14	14	14
15	250 salinity		253	239		V.	V.	V.	121.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	15	15	15
16	250 salinity		251	238		V.	V.	V.	122.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	16	16	16
17	200		200	188		V.	V.	V.	123.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	17	17	17
18	175		176	158		V.	V.	V.	124.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	18	18	18
19	150		151	136		V.	V.	V.	125.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	19	19	19
20	125		125	114		V.	V.	V.	126.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	20	20	20
21	100		100	86		V.	V.	V.	127.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	21	21	21
22	70 (2 min)		70	56		V.	V.	V.	128.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	22	22	22
23	30		33	8		V.	V.	V.	129.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	23	23	23
24	30		27	8		V.	V.	V.	130.1	V.	V.	V.	5	5	V.	V.	V.	V.	V.	V.	V.	V.	0.3	0.3			V.	V.	V.	V.	24	24	24

N (shape) unfilted

N13

N18 particle blank swimex #37

Bucket 13: 1, 3L

456,

+ PA: 2, 8, 10, 12, 15, 17, 18, 19, 20, 22, 23
+ PUGRA: 17, 18, 19, 20, 21, 22, 23

03-008

STD_CTD_ISO_FULL

Cruise: SWINGS 2021
Ship: N/O Marion Dufresne

STATION: 03
CAST: 008
DEPTH: 2174

Fin prelevant 3:08

Bottle		TARGET m	Optimized db	REAL db	Spun Line m	Nd iso	Ra-Ba	Vol rose	Bottle
1		Bottom-30					X	12	Vol (L)
2	2	Bottom-30				X			
3	3	2100		2177			X		
4	4	2100		2177		X			
5	5	1750mXS!		1769			X		
6	6	1750mXS!		1769		X			
7	7	1500mnO2	1480	1495			X		
8	8	1500mnO2	1480	1495		X			
9	9	1150mNS	1020	1019				Pen probe	
10	10	1150mNS	1020	1019		X			
11	11	750mxO2	750	750			X		
12	12	750mxO2	750	750		X			
13	13	500 grad	500	507			X		
14	14	500 grad	500	507	502	X			
15	15	250mXS	166	163			X		
16	16	250mXS	166	163	163	X			
17	17	00 CM/DCM?	97	97			X		
18	18	00 CM/DCM?	97	97		X			
19	19	30	2	29			X		
20	20	30		29		X			
21	21	15		13			X		
24	24	15		13		X only REE			

Bottle 9 Pute? Que 4-5L

CORE DESCRIPTION

WINGS EXPEDITION

03-009

01:40

Cruise: MD229	Ship: N/O Marion Dufrenoy	Area: Indian Ocean	Year/Month/Day: 2021/01/19	UTC Start: 01:40	Station Number: SWG-03-009
North: 32°48.003'E	East: 32°48.003'E	Water Depth: 16m	Core Depth: 16m	Responsible: Elena	

Length	Grain Size	Colour/O2?	Particles?	Biology
--------	------------	------------	------------	---------

clay

0.5m oxidation
brown
light
brown

bioturbation
20-0.5m

0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40

27

Remarks: Samples taken: 0-13.5m sediment (0.5m interval)
1x Hg Metalia
2x bottom water Elena
LEMAR

3-010 poulces
dattes

(shiptime
11h25 MAR

Après à la rossette
par la quart:
11h30 (shiptime)
11h48 NTL propre

CTD_S_Basith

Cruise: SWINGS 2021
Ship: N/O Marlon Dufresne

STATION: 03
CAST: 010
DEPTH: 2175

DATE: 19/01/21 Secretary: SS
SAMPLING START (UT): 9h35
SAMPLING END (UT):

Bottle	ANTICIPATED		DONE		Be. St. Bst. no	234TH	Disc U	vol vert	Bottle
	TARGET m	Optimized d	REAL db	Spun Line m					
vol (L)									
1	1500	1500	1517	1520	✓ 6.5	✓ 4.5			1
2	1500	1500	1517	1520	✓ 6.5	✓ 4.5			2
3	1150 min O2	1150	1160	1164	✓ 6.5	✓ 4.5			3
4	800	799.8	807	812	✓ 6.5	✓ 4.5			4
5	600 Max O2	599	604	609	✓ 6.5	✓ 4.5			5
6	500	499	503	509	✓ 6.5	✓ 4.5			6
7	400	399	403	407	✓ 6.5	✓ 4.5			7
8	350	349	351	356	✓ 6.5	✓ 4.5			8
9	300	297	299	304	✓ 6.5	✓ 4.5			9
10	250	250	251	257	✓ 6.5	✓ 4.5			10
11	200	201	202	207	✓ 6.5	✓ 4.5			11
12	180	181	182	187	✓ 6.5	✓ 4.5			12
13	160	160	161	166	✓ OMC				13
14	160	160	161	166		✓ 4.5			14
15	140	141	141	145	✓ 6.5	✓ 4.5			15
16	120	119	120	125	✓ 6.5	✓ 4.5			16
17	90 DCM	90	91	96	✓ 6.5	✓ 4.5			17
18	80	80	81	86	✓ 6.5	✓ 4.5			18
19	60	60.3	60.7	65	✓ 6.5	✓ 4.5			19
20	40	41	40	47	✓ 6.5	✓ 4.5			20
21	20	20	20	25	✓ 6.5	✓ 4.5			21
24	10	10	10	16	✓ 6.5	✓ 4.5			24

Point de 11
non paré