	YYYY	MM	DD		#	#	#	
LOG_SAMPLES_	2023	10	02	_STATION-	0	8	4	_W-LAB-142-1

OPERATOR(S): Julie Pewbin

Depth Replicate	🔵 S320 Cryo-5mL LN2 #1	🔵 S023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	S<02 Cryo-5mL FRG +4°C	Filtration Volume (Litres)
Z00 R01 m	112498793	112498794	[ ] 20L [ ] 50L 5 L	[ ] 15' [ ] 60' 15 min.	112498795	[ ] 10L [ ] 20L L
Z00 R02 m	112498796	112498797	[ ] 20L [ ] 50L 5 L	[ ] 15' [ ] 60' 15 min.	112498798	[ ] 10L [ ] 20L L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60' min.	###-Z02 S<02	[ ] 10L [ ] 20L L
Z02 R02 m	###-Z02 S320-2	###-Z02 S023-2	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60' min.	###-Z02 S<02-2	[ ] 10L [ ] 20L L

Depth Replicate	🟢 P320 Cryo-5mL LN2 #1	🟢 P023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	< 0.2 µm	
Z00 m	112498799	112498800	[ ] 20L [ ] 50L 10 L	[ ] 15' [ ] 60' 40 min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2	
Z02 m	###-Z02 P320	###-Z02 P023	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60' min.		

Depth Replicate	S320-L 15mL falcon -20°C + 10 mL Nucleoprotect	S023-L 15mL falcon -20°C + 10 mL Nucleoprotect	Filtration Volume (Litres)	Filtration Duration (minutes)	
Z00 m	112555386	112555387	[ ] 20L [ ] 50L 15 L	[ ] 15' [ ] 60 60 min.	→
Z02 m	###-Z02 S320-L	###-Z02 S023-L	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60 min.	

Depth Replicate		COMMENTS S###
Z00	R01	
	m	
Z00	R02	
	m	
Z02	R01	
	m	
Z02	R02	
	m	

Depth	COMMENTS P###
Z00 m	Stop before 60' because saturation
Z02 m	

Depth	COMMENTS S###L
Z00 m	2 filters / tube S022-L S320L because saturations 30' + 30'
Z02 m	

LOG_SAMPLES_ YYYY `2023` MM `10` DD `02` **_STATION-** # # # `0` `8` `4` **_DECK-BGC**

OPERATOR(S) `MH`

Depth		TOC Vial-40mL FRG +4°C	TOC Vial-40mL FRG +4°C	TOC Vial-40mL FRG +4°C		DICTA Bottle-500mL RT >10°C	SAL Bottle-125mL RT >10°C
Z00 m		112555355	112555356	112555357		112555490	###-Z00 SAL
Z02 m		###-Z02 TOC-1	###-Z02 TOC-2	###-Z02 TOC-3		###-Z02 DICTA	###-Z02 SAL

+ 150 µl HCl   **+ 300 µl HgCl$_2$**

Depth		CDOM/FDOM Bottle-60mL FRG +4°C	DOC Vial-40mL FRG +4°C	NUT Bottle-60mL FRZ -20°C
Z00	R01 m	112555361	112555358	112555364
Z00	R02 m	112555362	112555359	112555365
Z00	R03 m	112555363	112555360	112555366
Z02	R01 m	###-Z02 DOM-1	###-Z02 DOC-1	###-Z02 NUT-1
Z02	R02 m	##-Z02 DOM-2	###-Z02 DOC-2	###-Z02 NUT-2
Z02	R03 m	##-Z02 DOM-3	###-Z02 DOC-3	###-Z02 NUT-3

+ 150 µl HCl

Depth	COMMENTS TOC	COMMENTS DICTA	COMMENTS SAL
Z00 ___ m			
Z02 ___ m			

Depth Replicate		COMMENTS CDOM/FDOM	COMMENTS DOC	COMMENTS NUT
Z00	R01 ___ m	Used one STERIVEX	Used one STERIVEX	Used one STERIVEX
Z00	R02 ___ m			
Z00	R03 ___ m			
Z02	R01 ___ m			
Z02	R02 ___ m			
Z02	R03 ___ m			

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LOG_SAMPLES_	YYYY	MM	DD	_STATION-	#	#	#	_TARDIS-SCP
	2023	10	02		0	8	4	

OPERATOR(S) MH

Depth		PPL Falcon-50mL FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)	HLB Falcon-50mL FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00 m	R01	112555453	[ ] 1L [ ] 2L 1,200 L	[ ] 60' [ ] 120' min.	112555367	[ ] 1L [ ] 2L 1,200 L	[ ] 60' [ ] 120' min.
Z00 m	R02	112555454	[ ] 1L [ ] 2L 1,200 L	[ ] 60' [ ] 120' min.	112555368	[ ] 1L [ ] 2L 1,200 L	[ ] 60' [ ] 120' min.
Z00 m	R03	112555455	[ ] 1L [ ] 2L 1,200 L	[ ] 60' [ ] 120' min.	112555369	[ ] 1L [ ] 2L 1,200 L	[ ] 60' [ ] 120' min.
Z00 m	R04	112555456	[ ] 1L [ ] 2L 1,200 L	[ ] 60' [ ] 120' min.	112555370	[ ] 1L [ ] 2L 1,200 L	[ ] 60' [ ] 120' min.
Z02 m	R01	###-Z02 PPL-1	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-1	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02 m	R02	###-Z02 PPL-2	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-2	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02 m	R03	###-Z02 PPL-3	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-3	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02 m	R04	###-Z02 PPL-4	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-4	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.

Depth Replicate	MB320 50mL-Falcon FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)	MB033 50mL-Falcon FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00 m	112555375	[ ] 16L ≈4.5 L	[ ] 30 10 min.	112555376	[ ] 16L ×4.5 L	[ ] 30 10 min.
Z02 m	112555497	[ ] 16L ≈4.5 L	[ ] 30 '' min.	112555498	[ ] 16L 1. L	[ ] 30 '' min.

Depth		COMMENTS
Z00	R01	Water was too turbid so the filters get clugged after 4L.
	m	I had to change the filter. The second set of filters are called "202" and "replicate 2" but they are neither from
Z00	R02	different depth nor true biological replicates.
	m	↳ other incidence = water was dominated by DOC/TOC.
Z00	R03	They formed a dense disk on the first filter (MB320)
	m	that prevented the passage of the particles to the MB033. That's why the MB033 seems to clean.
Z00	R04	
	m	↳ When I changed the filter some DOC/TOC felt in the tubings. I cannot do differently. So the second
Z02	R01	filter "202- replicate 2 - MB033" may be contaminated
	m	with water from MB320. Better to avoid to take it in account if not necessary.
Z02	R02	
	m	Incidence on the PPL and HUB protocol:
Z02	R03	
	m	I had less water than usual for each bottle (approximati-
Z02	R04	vely 1,200 L.) So it will be necessary to take it in account
	m	for the next analysis.

LOG_SAMPLES_	YYYY	MM	DD			STATION-	#	#	#		S-LAB-OTHER
	2023	10	02				0	8	4		

OPERATOR(S): SC

Depth Replicates		🔴 HC Cryo-5mL LN2 #1	🔴 HC-G Cryo-5mL LN2 #1	⚪ CP-G Cryo-5mL LN2 #1	🟡 SG Cryo-5mL LN2 #1	🔴 FC-P Cryo-2mL LN2 #3	🔵 FC-G Cryo-2mL LN2 #3
Z00 m	R01	112498844	112498868	112498887	112498917	112498919	112498921
Z00 m	R02	112498845	112498869	112498888	112498918	112498920	112498922
Z00 m	R03	112498846	112498870	112498889	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00 m	R04	112498847	112498871	Glycerol prealiquot - RT			
Z00 m	R05	112498848	112498872		DGAS* 12 mL exetainer +4°C	DGAS* 12 mL exetainer +4°C	DGAS* 12 mL exetainer +4°C
Z00 m	R06	112498849	112498873		112498902	112498905	112498908
Z00 m	R07	112498850	112498874		112498903	112498906	112498909
Z00 m	R08	112498851	112498875		112498904	112498907	112498910
Prealiquot		No prealiquot	Glycerol prealiquot - RT		* + 100 µL ZnCl²	* + 100 µL ZnCl²	* + 100 µL ZnCl²

Depth Replicate	eDNA Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)	+ 50 mL of buffer	< 0.45 µm	
Z00 m	112555492	☑ 30L L	[ ] 30 **40** min.	=> Collect filtrate for SS protocol onland : V<0.45		
Z02 m	###-Z02 eDNA	[ ] 30L L	[ ] 30 min.			

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LOG-SAMPLES_S-LAB-OTHER

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E1

Depth Replicate		COMMENTS
Z00	R01 m	
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z00	R05 m	
Z00	R06 m	
Z00	R07 m	
Z00	R08 m	

	YYYY	MM	DD		#	#	#	
LOG_SAMPLES_	2023	10	02	_STATION-	O	8	4	_S-LAB-DECKNET-5

OPERATOR(S) SC

Depth	DECKNET Volume (Litres)	Time start FILLING ##:##	Time end NET OUT ##:##	🟡 SG5-1* Cryo-5mL LN2	🟡 SG5-2* Cryo-5mL LN2	
Z00 ___ m	[ ] 100 L 70 L	12:16	13:44	112498938	112498939	
Z02 ___ m	[ ] 100 L ___ L	:	:	### Z02 SG5-1	### Z02 SG5-2	
				* Glycine-betaine pre-aliquot at 4°C		

Depth	FM5-1* Falcon-50mL FRG +4°C	FM5-2* Falcon-50mL FRG +4°C				
Z00 ___ m	112498940	112498941				
Z02 ___ m	### Z02 FM5-1	### Z02 FM5-2				
	*pre-aliquoted 5 mL PFA/GLUT stored at -20°C					

Depth		COMMENTS SG5
Z00	R01 m	
Z00	R02 m	
Depth		COMMENTS FM5
Z00	R01 m	
Z00	R02 m	

LOG_SAMPLES_	YYYY	MM	DD		# # #	
	2023	10	02	_STATION-	084	_S-LAB-25-1
OPERATOR(S)	SZ					

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00 m	1. 136 2. 152 3. 143		###-Z00 PM-CTRL	mL	N°: Weight:	
Z02 m	1. 2. 3.		TRIPLICATES ONCE A MONTH FOR HP	HP Cryo-2mL LN2 #2	Filtration Volume (mL)	Filtration Duration (minutes)

Depth	PA Petridish FRZ -20°C	Filtration Volume (mL)		HP Cryo-2mL LN2 #2	Filtration Volume (mL)	Filtration Duration (minutes)
			Z00　R01　m	112498824	30 mL	[ ] 30'　[ ] 40' max　1 min
Z00 m	112555418	50 mL	Z00　R02　m	###-Z00 HP-2　mL	mL	[ ] 30'　[ ] 40' max　min
Z02 m	###-Z02 PA　mL	mL	Z00　R03　m	###-Z00 HP-3　mL	mL	[ ] 30'　[ ] 40' max　min

Depth	PM Petridish FRZ -20°C	Filtration Volume (mL)	N° filtre + weight (mg)	FOI Petridish FRZ -20°C	Filtration Volume (mL)	N° filtre + weight (mg)
Z00　R01　m	112555419	30 mL	N°: XX082 Weight: 37,498	112555422	30 mL	N°: XX008 Weight: 36,616
Z00　R02　m	112555420	30 mL	N°: XX139 Weight: 36,737	112555423	30 mL	N°: XX326 Weight: 37,199
Z00　R03　m	112555421	30 mL	N°: XX117 Weight: 38,000	112555424	50 mL	N°: XX362 Weight: 36,507
Z02　R01　m	###-Z02 PM-1	mL	N°: Weight:	###-Z02 FOI-1	mL	N°: Weight:
Z02　R02　m	###-Z02 PM-2	mL	N°: Weight:	###-Z02 FOI-2	mL	N°: Weight:
Z02　R03　m	###-Z02 PM-3	mL	N°: Weight:	###-Z02 FOI-3	mL	N°: Weight:

Depth Replicate		COMMENTS PM	COMMENTS FOI
Z00	R01 m		
Z00	R02 m		
Z00	R03 m		
Z02	R01 m		
Z02	R02 m		
Z02	R03 m		

Depth Replicate		COMMENTS PA - HP
Z00	m	
Z02	m	

	YYYY	MM	DD		# # #	
LOG-SAMPLES_	2023	10	02	_STATION-	084	_S-LAB-NET-20

OPERATOR(S): **S2**

	Net 20 μm			⊠ Decknet [ ] Deployed at sea		
SAMPLE SPLITTING	**# of cod-ends** [ ] 1 [ ] 2	**Total volume** [ ] 1600 mL	**Aliquots vol.** [ ] 200 mL			

PROTOCOLS	**Barcode**	**Fraction of total volume**	**Aliquot Volume (mL)**	**Barcode**	**Fraction of total volume**	**Aliquot Volume (mL)**
🔵 **S20** Cryo-5mL LN2 #1	112498825	[ ] 1/8	[ ] 200 mL **30 me** ☒ 15 mn	112498826	[ ] 1/8	[ ] 200 mL **40 me** ☒ 15 mn
FCAM20 Bottle-250mL LIVE	112555425	[ ] 1/8	[ ] 200 mL			
E20 Falcon-15mL **+ 15mL ETOH** FRZ -20°C	112555426	☒ 1/8	☒ 200 mL			
S20-L Falcon-5mL FRZ -20°C **+ 5 mL NucleoProtect**	112555427	[ ] 1/8	[ ] 200 mL **30 me** ☒ 15 mn			
MB20 Vial-4mL FRZ -20°C	112555428	☒ 1/8	☒ 200 mL			
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C	112555429	☒ 45 mL		112555430		☒ 45 mL
Filtered Sea Water Control	112498990	☐ 2 L ☒ 1.2 L	Control of the FSW system, on a 47 mm PC 0,2 μm filter in the S-Lab. Obs.: visible green/brown on filter.			

	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
S20 Cryo-5mL LN2 #1		
FCAM20 Bottle-250mL LIVE		
E20 Falcon-15mL FRZ -20°C		
S20-L Falcon-5mL FRZ -20°C		
MB20 Vial-4mL FRZ -20°C		
FM20 Falcon-50mL FRG +4°C		

	YYYY	MM	DD			#	#	#	
LOG-SAMPLES_	2023	10	02	_STATION-			084		_S-LAB-NET-200

OPERATOR(S): SZ

	Horizontal WPII-200						
SAMPLE SPLITTING	**COD-END #1**						

PROTOCOLS	**Barcode**	**Fraction of total volume**	**Aliquot Volume (mL)**				
F200 Bottle-250mL + borax/formol RT >10°C	112555431	[ ] 1 (100%)	[ ] 250 mL				

SAMPLE SPLITTING	**COD-END #2**	**Total volume** [ ] 1600 mL	**Aliquots vol.** [ ] 200 mL				

PROTOCOLS	**Barcode**	**Fraction of total volume**	**Aliquot Volume (mL)**	**Barcode**	**Fraction of total volume**	**Aliquot Volume (mL)**
🔵 **S200 Cryo-5mL LN2 #1**	112498827	[ ] 1/8 1/4	[ ] 200 mL 400 me [X] 15 mn	112498828	[ ] 1/8 1/4	[ ] 200 mL 400 me [X] 15 mn
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo	112555432	[ ] 1/8 1/4	[ ] 200 mL 400 me [X] 15 mn			

F3

	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F200 Bottle-250mL RT >10°C		
SAMPLE SPLITTING		
PROTOCOLS		
S200 Cryo-5mL LN2 #1		
S200-L Falcon-5mL FRZ -20°C		

	YYYY	MM	DD		#	#	#	
LOG-SAMPLES_	2023	10	02	_STATION-		O84		_S-LAB-NET-680

OPERATOR(S)   SZ

Régent 680

SAMPLE SPLITTING	NET TOW #1			NET TOW #2		
	Total volume [ ] 1600 mL			**Total volume** [ ] 1600 mL		
PROTOCOLS	**Barcode**	**Fraction of total volume**	**Bottle volume (mL)**	**Barcode**	**Fraction of total volume**	**Aliquot Volume (mL)**
F680 Bottle-250mL RT >10°C **+ Borax/Formol**	112555433	[ ] 50 % [ ] 100 %	[ ] 250 mL			
F2000 Bottle-250mL RT >10°C **+ borax/formol**	### EPI F2000	hand-picked #ind=	[ ] 250 mL			
S680-L Falcon-5mL FRZ -20°C **+ 5mL Nucleoprotect**				112555434	[ ] 50 % [ ] 100 %	[ ] 100 mL X 15 mn

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LOG-SAMPLES_S-LAB-NET-680

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F4

		COMMENTS	COMMENTS
SAMPLE SPLITTING			
PROTOCOLS			
F680 Bottle-250mL RT >10°C			
F2000 Bottle-250mL RT >10°C			
S680-L Falcon-5mL FRZ -20°C			