Fondation tara océan explore and share

LOG-METADATA

tara EUROPA

LOG_SAMPLES_ YYYY 2024 MM 04 DD 21 _STATION- # 1 # 3 # 2 _METADATA

BATHYMETRY 110 m

LATITUDE 42,2768

LONGITUDE 011,1979

START UTC HH:MM 06:00

END UTC HH:MM 15:00

STATION NAME AL CARTELO OFFSHORE

Depth	SALINITY (from TSG U-Lab)	SEAWATER TEMPERATURE °C (from TSG in U-Lab)	TURBIDITY (1 = open ocean; 2 = coastal; 3 = estuary)	TURBIDITY DATA FNU (from S-Lab)	FLUORESCENCE µg.L^{-1} (from fluoroprobe in U-Lab)
[1] Z= m	38.2599	16.2642	1 ☐	0.30	
			2 ☒	0.36	
			3 ☐	0.55	
[2] Z= 72 m			1 ☐	0.29	Small DCM, but very very low...
			2 ☒	0.26	
			3 ☐	0.36	
[3] Z= m			1 ☐		
			2 ☐		
			3 ☐		

- COMMENTS Looks like a DCM ~ 75m on the profile so we decided to add a sampling depth. Did all nets Vertical including the 20µm. We realised the flowmeter of the 200µm was not working properly so we deployed with a new spare flowmeter. Looks a little stratified also.

- LISTS OF DEPLOYMENTS BY STATION: ● NORMAL SITE ○ SERVICE SITE

☑ ROSETTE

● A20 PUMP FOR OMICS

● A40 PUMP FOR DECKNET 20 µM

● NET 200 µM

● BOW POLE

● SML

● A20 PUMP FOR DECKNET 5 µM

● ASM

● NET 680 µM

● MERCURY

☑ SECCHI DISK: 20 m

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LOG-EVENT_ROSETTE

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STATION 1 3 2 CAST # 1 NORMAL SITE ● SERVICE SITE ○

[UTC]

	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	21	05	59	N 42.2768	E 011.1979
END	2024	04	21	06	07	42.2721	011.1989

OPERATORS INITIALS

CABLE OUT (m)	131	SOUNDER IN (m)	110	WIND SPEED (kn)	22
SCANMAR (m)	100	SOUNDER OUT (m)		WIND DIRECTION	360
PLACE NAME	Al Castelo offshore			SEASTATE **START**	4
CTD raw file name	ST132_20240421			SEASTATE **END**	4
UVP raw file name				Other information	

Bottle #	1	2	3	4	5	6	7	8	9	10	11	12
Bottle Volume (L)	8	8	8	8	12	12	12	12	12	8	8	12
Depth Label	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
Target Depth (m)					Z0							
CTD Depth (m)												

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STATION 1 3 2 NORMAL SITE ● SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	21	06	20	N 42 . 2850	N 11 . 1971
END	2024	04	21	07	07	N 42 . 2698	E 11 . 2013

INVESTIGATOR(S) Celine Dimier

EVENT TYPE
○ SML ○ MICROTOPS ○ BOW POLE ○ hTSRB
☒ A20 PUMP ○ A40 PUMP ○ ASM Normal site ○ ASM Service site
○ Aliens in ports ○ eDNA ○ Filtration 5µM

COMMENTS / PROTOCOL NAMES

P320 P023
P320 S023
S02

T-HG **Vial-40mL** **RT >10°C**	112547502	### T-HG-2
MTE-BP **Bottle-125mL** **RT >10°C**	112547503	### MTE-S-2

ASM **Whirl-Pak** **FRZ -20°C**	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6

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STATION 1 3 2

NORMAL SITE ☑ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	21	6	34	N 42.2830	E 011.1974
END	2024	04	21	7	03	N 42.2708	E 011.2009

INVESTIGATOR(S) Iole Di Capua

EVENT TYPE
○ SML ○ MICROTOPS ○ BOW POLE ○ hTSRB
○ A20 PUMP ○ A40 PUMP ○ ASM Normal site ○ ASM Service site
○ Aliens in ports ☑ eDNA ○ Filtration 5µM

COMMENTS / PROTOCOL NAMES

T-HG **Vial-40mL** **RT >10°C**	### T-HG-1	### T-HG-2
MTE-BP **Bottle-125mL** **RT >10°C**	### MTE-S-1	### MTE-S-2

ASM **Whirl-Pak** **FRZ -20°C**	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6

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STATION ☐☐☐

NORMAL SITE ○ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	21	6	50	N 42.2751	E 011.1995
END	2024	04	21	7	18	N 42.2666	E 011.2025

INVESTIGATOR(S) Iole Di Capua

EVENT TYPE
○ SML ○ MICROTOPS ○ BOW POLE ○ hTSRB
○ A20 PUMP ○ A40 PUMP ○ ASM Normal site ○ ASM Service site
○ Aliens in ports ○ eDNA ☑ Filtration 5µM

COMMENTS / PROTOCOL NAMES

4L

T-HG **Vial-40mL** **RT >10°C**	### T-HG-1	### T-HG-2
MTE-BP **Bottle-125mL** **RT >10°C**	### MTE-S-1	### MTE-S-2

ASM **Whirl-Pak** **FRZ -20°C**	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6

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STATION | 1 | 3 | 2 |

NORMAL SITE [✓] SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	20 24	04	21	8	35	N 42 . 2756	E 011 . 1975
END	20 24	04	21	9	01	N 42 . 2761	E 011 . 1974

INVESTIGATOR(S) Iole Di Capua

EVENT TYPE
- ☑ SML
- ○ MICROTOPS
- ○ BOW POLE
- ○ hTSRB
- ○ A20 PUMP
- ○ A40 PUMP
- ○ ASM Normal site
- ○ ASM Service site
- ○ Aliens in ports
- ○ eDNA
- ○ Filtration 5µM

COMMENTS / PROTOCOL NAMES

T-HG **Vial-40mL** **RT >10°C**	### T-HG-1	### T-HG-2
MTE-BP **Bottle-125mL** **RT >10°C**	### MTE-S-1	### MTE-S-2

ASM **Whirl-Pak** **FRZ -20°C**	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6

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STATION 1 3 2

NORMAL SITE ☒ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	21	10	15	N 42.2689	E 011.2020
END	2024	04	21	10	22	N 42.2675	E 011.2029

INVESTIGATOR(S) Mouch/Solene/Doug ☒ DAY ○ NIGHT

SOUNDER IN (m)	113	CABLE OUT (m)	99,8	SEASTATE **START**	2
SOUNDER OUT (m)	113	SCANMAR (m)	100	SEASTATE **END**	2

NET TYPE ○ Decknet 20* ☒ WPII 200 ○ Regent 680 ○ Decknet 5

NET TOW TYPE ○ Horizontal ○ Oblique ☒ Vertical

NET DEPTH (m) MIN 0 MAX 100

NET FLOWMETER /VOLUMETER in L for 20-µM	START	- 8291 (Ancien) - 00015 (neuf)	END	- 82 347 - 00 267	→ 56 tours → 252 tours

NET COD-END 680 ○ ZooScan ○ S680-L

COMMENTS

Winch 0,6 m/sec.

We tested the old and new flowmeter. we keep for all nets the new flowmeter.

volumeter always in litres

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STATION 1 3 2

NORMAL SITE ☒ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	21	11	01	N 42 . 2795	E 011 . 1985
END	2024	04	21	11	07	N 42 . 2779	E 011 . 1995

INVESTIGATOR(S) Mouch / Solene

☒ DAY ○ NIGHT

SOUNDER IN (m)	109	CABLE OUT (m)	100	SEASTATE **START**	2
SOUNDER OUT (m)	109	SCANMAR (m)	97	SEASTATE **END**	2

NET TYPE ○ Decknet 20* ○ WPII 200 ☒ Regent 680 ○ Decknet 5

NET TOW TYPE ○ Horizontal ○ Oblique ☒ Vertical

NET DEPTH (m) MIN 0 MAX 97

NET FLOWMETER /VOLUMETER in L for 20-µM START 00269 END 00953

NET COD-END 680 ○ ZooScan ● S680-L

COMMENTS ~~20 µm~~ Regent n° 1

**volumeter always in litres*

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STATION 1 3 2

NORMAL SITE ☒ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	21	11	15	N 42 . 2757	E 011 . 2013
END	2024	04	21	11	22	N 42 . 2741	E 011 . 2024

INVESTIGATOR(S) Marcl / Solene / Doug

☒ DAY ○ NIGHT

SOUNDER IN (m)	110	CABLE OUT (m)	101	SEASTATE **START**	2
SOUNDER OUT (m)	111	SCANMAR (m)	100	SEASTATE **END**	2

NET TYPE ○ Decknet 20* ○ WPII 200 ☒ Regent 680 ○ Decknet 5

NET TOW TYPE ○ Horizontal ● Oblique ● Vertical

NET DEPTH (m)	MIN	0	MAX	100
NET FLOWMETER /VOLUMETER in L for 20-µM	START	00953	END	01662

NET COD-END 680 ● ZooScan ○ S680-L

COMMENTS Régent n°2.

volumeter always in litres

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STATION 1 3 2 NORMAL SITE ☒ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	21	11	36	N 42.2709	E 011.2046
END	2024	04	21	11	42	N 42.2689	E 011.2061

INVESTIGATOR(S) ☒ DAY ○ NIGHT

SOUNDER IN (m)	112	CABLE OUT (m)	110	SEASTATE START	2
SOUNDER OUT (m)	113	SCANMAR (m)	105	SEASTATE END	2

NET TYPE ☒ Decknet 20* ○ ~~WPII 200~~ ○ Regent 680 ○ Decknet 5

NET TOW TYPE ○ Horizontal ● Oblique

NET DEPTH (m) MIN 0 MAX 105

NET FLOWMETER /VOLUMETER in L for 20-µM START 01866 END 01764

NET COD-END 680 ○ ZooScan ○ S680-L

COMMENTS Deployed at depth from back of the boat, it is not a decknet but a WPII.

*volumeter always in litres

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STATION 1 3 2 CAST # 2 NORMAL SITE ☒ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	21	12	33	N 42.2820	011.2003
END	20			12	44	42.2796	011.2025

OPERATORS INITIALS

CABLE OUT (m)	102,3	SOUNDER IN (m)		WIND SPEED (kn)	11,9
SCANMAR (m)		SOUNDER OUT (m)		WIND DIRECTION	300
PLACE NAME	Al Castelo offshore			SEASTATE **START**	2
CTD raw file name	ST132-20240421_bis			SEASTATE **END**	2
UVP raw file name				Other information	

Bottle #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Bottle Volume (L)	8	8	8	8	12	12	12	12	12	8	8	12
Depth Label	Z	Z	Z	Z	Z Z)	Z	Z	Z	Z	Z	Z	Z
Target Depth (m)	72											
CTD Depth (m)												

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STATION 1 3 2 CAST # 3 NORMAL SITE ☒ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2024	04	21	14	48	N 42 . 2803	E 011 . 2028
END	2024	04	21	14	56	N 42 . 2795	E 011 . 2060

OPERATORS INITIALS

CABLE OUT (m)	100	SOUNDER IN (m)	109	WIND SPEED (kn)	9,1
SCANMAR (m)		SOUNDER OUT (m)	109	WIND DIRECTION	280
PLACE NAME	Al Castelo offshore			SEASTATE **START**	2
CTD raw file name	ST132_20240421_QUATER			SEASTATE **END**	2
UVP raw file name				Other information	

Bottle #	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Bottle Volume (L)	8	8	8	8	12	12	12	12	12	8	8	12
Depth Label	Z	Z	Z	Z	Z2	Z	Z	Z	Z	Z	Z	Z
Target Depth (m)					74m							
CTD Depth (m)												