Fondation **tara océan** explore and share — LOG-METADATA — **tara EUROPA**

	YYYY	MM	DD		#	#	#	
LOG_SAMPLES_	2023	06	27	_STATION-	0	4	2	_METADATA

BATHYMETRY: 8.6

LATITUDE: 59,4510

LONGITUDE: 24,7881

START UTC HH:MM: 05 00

END UTC HH:MM: 09 30

STATION NAME: Tallin Time Series

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	5.72	15.18	1 [ ] 2 [●] 3 [ ]	1,47 2,21 1,58	9.39
[2] Z= m			1 [ ] 2 [ ] 3 [ ]		
[3] Z= m			1 [ ] 2 [ ] 3 [ ]		

- COMMENTS

The water for land protocol was sampled / ready @ 05:15. stored in the dark (for w<0.2 and w (dial)). The net were sampled just before pick-up @ 07:00. We gave them s-b-fraction of 05-20 µm /
and 20-200µm (200mL diluted in 1L FSW).

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

○ ROSETTE

○ A20 PUMP FOR OMICS ○ A20 PUMP FOR DECKNET 5 µM

○ A40 PUMP FOR DECKNET 20 µM ○ ASM

○ NET 200 µM ○ NET 680 µM

○ BOW POLE ○ ~~MERCURY~~

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LOG-EVENT_ROSETTE

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STATION 0 4 2 CAST #

NORMAL SITE ○ SERVICE SITE ●

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2023	06	27	04	57	+ 59 . 4510	+ 24 . 7881
END	2023	06	27	04	59	+ 59 . 4510	+ 24 . 7881

OPERATORS INITIALS

CABLE OUT (m)	3,2	SOUNDER IN (m)	8,5	WIND SPEED (kn)	7,5
SCANMAR (m)		SOUNDER OUT (m)	8,5	WIND DIRECTION	SSE
PLACE NAME				SEASTATE START	Rippled
CTD raw file name	st042-20230627			SEASTATE END	Rippled
UVP raw file name				Other information	at 9

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

LOG-EVENT_OTHER

STATION 0 4 2 NORMAL SITE ○ SERVICE SITE ●

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2023	06	27	05	07	59.4510	024.7881
END	20	06	27	05	40	.	.

INVESTIGATOR(S) HB + DC

EVENT TYPE ○ SML ○ MICROTOPS ○ BOW POLE ○ hTSRB

○ A20 PUMP ○ A40 PUMP ○ ASM Normal site ○ ASM Service site

○ Aliens in ports ● eDNA

COMMENTS / PROTOCOL NAMES

Big bloom of phyto in the surface
(cyano)

At Anchor.

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 0 4 2

NORMAL SITE ○ SERVICE SITE ○

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2023	06	27	05	15	N 59.4510	E 24.7878
END	2023	06	27	06	00	.	.

INVESTIGATOR(S): JOB

EVENT TYPE
○ SML ○ MICROTOPS ○ BOW POLE ○ hTSRB
● A20 PUMP ○ A40 PUMP ○ ASM Normal site ○ ASM Service site
○ Aliens in ports ○ eDNA

COMMENTS / PROTOCOL NAMES

Omics

T-HG **Vial-40mL** **RT >10°C**	112557994	### T-HG-2
MTE-BP **Bottle-125mL** **RT >10°C**	112557995	### 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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LOG-EVENT_NET

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STATION 0 4 2

NORMAL SITE ○ [✓ SERVICE SITE]

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2023	06	27	06	00	N 59 . 4510	.
END	2023	06	27			E 24 . 7878	.

INVESTIGATOR(S) HB

[✓ DAY] ○ NIGHT

SOUNDER IN (m)	8.5	CABLE OUT (m)		SEASTATE **START**	
SOUNDER OUT (m)		SCANMAR (m)		SEASTATE **END**	

NET TYPE ○ Decknet 20* ○ WPII 200 ○ Regent 680 [✓ Decknet 5]

NET TOW TYPE ○ Horizontal ○ Oblique

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

NET COD-END 680 ○ ZooScan ○ S680-L

COMMENTS

****volumeter always in litres***

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LOG-EVENT_NET

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STATION **0 4 2**

NORMAL SITE ○ SERVICE SITE ☒

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2003	06	27	06	11	N 59 . 451	E 24 . 7881
END	2003	06	27	06	[redacted] 43	N [redacted] 59 . [redacted] 450	E 24 . 787

INVESTIGATOR(S) D.D.

☒ DAY ○ NIGHT

SOUNDER IN (m)	8.5	CABLE OUT (m)		SEASTATE START	slight
SOUNDER OUT (m)		SCANMAR (m)		SEASTATE END	

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

NET TOW TYPE ☒ Horizontal ○ Oblique

NET DEPTH (m) MIN ~0.5 m MAX

NET FLOWMETER /VOLUMETER in L for 20-µM START 34.370 END [redacted] 35.050

NET COD-END 680 ○ ZooScan ○ S680-L

COMMENTS We observed big (>200µm) particles in the 2L bottle => probably a contaminat. from the 2000µm funnel that we used.
We did all the samples, but we will do a 20µm decknet "bis" to have proper samples.

*volumeter always in litres

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explore and share

LOG-EVENT_NET

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STATION 0 4 2

NORMAL SITE ○ SERVICE SITE ●

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2023	06	27	07	22	+59.4509	+24.7881
END	2023	06	27	07	27	+59.4510	+24.7881

INVESTIGATOR(S)

● DAY ○ NIGHT

SOUNDER IN (m) 8,5

SOUNDER OUT (m) 8,5

CABLE OUT (m) Surface

SCANMAR (m)

SEASTATE **START** Rippled

SEASTATE **END** Rippled

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

NET TOW TYPE ● Horizontal ○ Oblique

NET DEPTH (m) MIN Surface MAX surface

NET FLOWMETER /VOLUMETER in L for 20-µM START 56710 END 56794

NET COD-END 680 ○ ZooScan ○ S680-L

COMMENTS at anchor

volumeter always in litres

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STATION 0 4 2 NORMAL SITE ○ SERVICE SITE ●

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	20 23	06	27	07	49	+ 59 . 4557	+ 24 . 7880
END	20 23	06	27	07	54	+ 59 . 4518	+ 24 . 7867

INVESTIGATOR(S) ● DAY ○ NIGHT

SOUNDER IN (m)	8.3	CABLE OUT (m)	surface	SEASTATE START	rippled
SOUNDER OUT (m)	9.2	SCANMAR (m)	/	SEASTATE END	rippled

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

NET TOW TYPE ● Horizontal ○ Oblique

NET DEPTH (m) MIN surface MAX surface

NET FLOWMETER /VOLUMETER in L for 20-µM START 08140 END 08572

NET COD-END 680 ● ZooScan ○ S680-L

COMMENTS drift.

*volumeter always in litres

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LOG-EVENT_NET

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STATION 0 4 2 NORMAL SITE ○ SERVICE SITE ●

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	20 23	06	27	08	02	+ 59 . 4520	+ 24 . 7881
END	20 23	06	27	08	07	+ 59 . 4509	+ 24 . 7878

INVESTIGATOR(S)

● DAY ○ NIGHT

SOUNDER IN (m)	9,2	CABLE OUT (m)	surface	SEASTATE **START**	rippled
SOUNDER OUT (m)	8,5	SCANMAR (m)	/	SEASTATE **END**	rippled

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

NET TOW TYPE ○ Horizontal ○ Oblique

NET DEPTH (m) MIN surface MAX surface

NET FLOWMETER /VOLUMETER in L for 20-µM START 085720 END 090820

NET COD-END 680 ○ ZooScan ● S680-L

COMMENTS drift.

*volumeter always in litres

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LOG-EVENT_NET

tara EUROPA

STATION 042

NORMAL SITE ○ SERVICE SITE ●

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2023	06	27	08	15	59.4503	24.7887
END	20			08	30	59.4539	24.7870

INVESTIGATOR(S) DC & DG

● DAY ○ NIGHT

SOUNDER IN (m)		CABLE OUT (m)		SEASTATE START	
SOUNDER OUT (m)		SCANMAR (m)		SEASTATE END	

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

NET TOW TYPE ● Horizontal ○ Oblique

NET DEPTH (m) MIN: MAX:

NET FLOWMETER /VOLUMETER in L for 20-µM START: 35070 END: 35592

NET COD-END 680 ○ ZooScan ○ S680-L

COMMENTS We do a second 20µm because first one was contaminated by particles 200µm - 2000µm from the 2000µm funnel.

We do this one drifting.

We call this net the net "Bis".

***volumeter always in litres**