Fondation tara océan
explore and share

# LOG-METADATA

tara EUROPA

| | YYYY | MM | DD | | # | # | # | |
|---|---|---|---|---|---|---|---|---|
| LOG_SAMPLES_ | 2023 | 11 | 01 | _STATION- | 0 | 9 | 3 | _METADATA |

| | | | | | |
|---|---|---|---|---|---|
| BATHYMETRY | 23 m | LATITUDE | +37.01895 | LONGITUDE | 008.9086 |
| START UTC HH:MM | 09 : 42 | END UTC HH:MM | 14 : 00 | STATION NAME | St 93. Sagres |

| 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= 0 m | 35.6 | 18.6 | 1 [ ]<br>2 [x]<br>3 [ ] | 1,14<br>1,61<br>1,23 | 7,20 |
| [2] Z= m | | | 1 [ ]<br>2 [ ]<br>3 [ ] | | |
| [3] Z= m | | | 1 [ ]<br>2 [ ]<br>3 [ ] | | |

- COMMENTS (PORTUGAL): Beautiful weather with a beautiful view (cliffs). Mussels farms and fishing harbour close to the station point. HTSRB was done.

- 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 x 2

● BOW POLE ~~○ MERCURY~~

● SML ☒ SECCHI DISK: 5.50 m.

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# LOG-EVENT_OTHER

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STATION 0 9 3

NORMAL SITE ☒ SERVICE SITE ○

| [ UTC ] | YYYY | MM | DD | HH | MM | DECIMAL DEGREE (+/- XX.XXXX) | DECIMAL DEGREE (+/- XX.XXXX) |
|---|---|---|---|---|---|---|---|
| **START** | 2023 | 11 | 01 | 9 | 30 | N 37.0189 | W 8.9086 |
| **END** | 2023 | 11 | 01 | 9 | 55 | N 37.0189 | W 8.9086 |

INVESTIGATOR(S) OB

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

COMMENTS / PROTOCOL NAMES Omic

S320 } R01 - R02
S023 }

P320
P023

S320_L
S023_L

| | | |
|---|---|---|
| **T-HG<br>Vial-40mL<br>RT >10°C** | 112555854 | ###<br>T-HG-2 |
| **MTE-BP<br>Bottle-125mL<br>RT >10°C** | 112555855 | ###<br>MTE-S-2 |

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

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# LOG-EVENT_OTHER

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STATION 0 9 3

NORMAL SITE ☒ SERVICE SITE ○

| [ UTC ] | YYYY | MM | DD | HH | MM | DECIMAL DEGREE (+/- XX.XXXX) | DECIMAL DEGREE (+/- XX.XXXX) |
|---|---|---|---|---|---|---|---|
| **START** | 2023 | 11 | 01 | 09 | 47 | N 37.0189 | W 8.9086 |
| **END** | 2023 | 11 | 01 | 10 | 11 | N 37.0189 | W 8.9086 |

INVESTIGATOR(S) F.V

EVENT TYPE

○ SML ○ MICROTOPS ○ BOW POLE ○ hTSRB

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

○ Aliens in ports ☒ eDNA

COMMENTS / PROTOCOL NAMES

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

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

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# LOG-EVENT_ROSETTE

tara EUROPA

STATION 0 9 3 CAST #

NORMAL SITE ☒ SERVICE SITE ○

| [ UTC ] | YYYY | MM | DD | HH | MM | DECIMAL DEGREE (+/- XX.XXXX) | DECIMAL DEGREE (+/- XX.XXXX) |
|---|---|---|---|---|---|---|---|
| **START** | 2023 | 11 | 01 | 09 | 51 | + 37 . 01895 | 008 . 90860 |
| **END** | 2023 | 11 | 01 | 09 | 58 | + 37 . 01897 | 008 . 90860 |

OPERATORS INITIALS

| | | | | | |
|---|---|---|---|---|---|
| CABLE OUT (m) | 17 | SOUNDER IN (m) | 24 | WIND SPEED (kn) | 11 Knts |
| SCANMAR (m) | | SOUNDER OUT (m) | | WIND DIRECTION | WSW |
| PLACE NAME | SAGRES | | | SEASTATE **START** | 2 |
| CTD raw file name | ST93_20231101.hex | | | SEASTATE **END** | 2 |
| UVP raw file name | | | | Other information | PORTUGAL |

| **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)* | | | | | | | | | | | | |

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# LOG-EVENT_NET

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STATION 0 9 3

NORMAL SITE ☒ SERVICE SITE ○

| [ UTC ] | YYYY | MM | DD | HH | MM | DECIMAL DEGREE (+/- XX.XXXX) | DECIMAL DEGREE (+/- XX.XXXX) |
|---|---|---|---|---|---|---|---|
| **START** | 2023 | 11 | 01 | 10 | 30 | N 37 . 0189 | W 8 . 9086 |
| **END** | 2023 | 11 | 01 | 10 | 46 | N 37 . 0189 | W 8 . 9086 |

INVESTIGATOR(S) F. V

☒ 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 END

NET COD-END 680 ○ ZooScan ○ S680-L

COMMENTS 90 L
fn5 1-2
SG5 1-2

*volumeter always in litres

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# LOG-EVENT_NET

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STATION 0 9 3

NORMAL SITE ● SERVICE SITE ○

| [ UTC ] | YYYY | MM | DD | HH | MM | DECIMAL DEGREE (+/- XX.XXXX) | DECIMAL DEGREE (+/- XX.XXXX) |
|---|---|---|---|---|---|---|---|
| **START** | 2023 | 11 | 01 | 11 | 02 | N 37 . 0191 | W 8 . 9087 |
| **END** | 2023 | 11 | 01 | 11 | 32 | N 37, . 0190 | W 8 . 9086 |

INVESTIGATOR(S) MR ; MG

● 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 68506 END 69566

NET COD-END 680 ○ ZooScan ○ S680-L

COMMENTS

***volumeter always in litres**

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# LOG-EVENT_OTHER

tara EUROPA

| | | | | |
|---|---|---|---|---|
| STATION | 0 | 9 | 3 | NORMAL SITE ☒ SERVICE SITE ○ |

| [ UTC ] | YYYY | MM | DD | HH | MM | DECIMAL DEGREE (+/- XX.XXXX) | DECIMAL DEGREE (+/- XX.XXXX) |
|---|---|---|---|---|---|---|---|
| **START** | 2023 | 11 | 01 | 12 | 15 | N 37.0189 | W 8.9086 |
| **END** | 2023 | 11 | 01 | 12 | 25 | N 37.0189 | W 8.9086 |

INVESTIGATOR(S): F.V

EVENT TYPE

☒ SML ○ MICROTOPS ○ BOW POLE ○ hTSRB

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

○ Aliens in ports ○ eDNA

COMMENTS / PROTOCOL NAMES

13 dips

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

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

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# LOG-EVENT_NET

tara EUROPA

STATION 0 9 3

● NORMAL SITE ○ SERVICE SITE

| [ UTC ] | YYYY | MM | DD | HH | MM | DECIMAL DEGREE (+/- XX.XXXX) | DECIMAL DEGREE (+/- XX.XXXX) |
|---|---|---|---|---|---|---|---|
| **START** | 2023 | 11 | 01 | 12 | 36 | N 37.0175 | W 8.9112 |
| **END** | 2023 | 11 | 01 | 12 | 51 | N 37.0200 | W 8.9031 |

INVESTIGATOR(S) MR - TL - MG

☒ DAY ○ NIGHT

| | | | | | |
|---|---|---|---|---|---|
| SOUNDER IN (m) | 23 | CABLE OUT (m) | | SEASTATE **START** | 2 |
| SOUNDER OUT (m) | 24 | SCANMAR (m) | | SEASTATE **END** | 2 |

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 10242 END 10564

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 9 3 NORMAL SITE ☒ SERVICE SITE ○

| [ UTC ] | YYYY | MM | DD | HH | MM | DECIMAL DEGREE (+/- XX.XXXX) | DECIMAL DEGREE (+/- XX.XXXX) |
|---|---|---|---|---|---|---|---|
| **START** | 2023 | 11 | 01 | 13 | 05 | + 37.0169 | - 8.9137 |
| **END** | 2023 | 11 | 01 | 13 | 20 | + 37.9188 | - 8.9061 |

INVESTIGATOR(S) ☒ DAY ○ NIGHT

| | | | | | |
|---|---|---|---|---|---|
| SOUNDER IN (m) | 22,5 | CABLE OUT (m) | | SEASTATE **START** | 2 |
| SOUNDER OUT (m) | 24 | SCANMAR (m) | | SEASTATE **END** | 2 |

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 44780 END 46886

NET COD-END 680 ● ZooScan ○ S680-L

COMMENTS

***volumeter always in litres**

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# LOG-EVENT_NET

tara EUROPA

STATION 0 9 3 NORMAL SITE ☒ SERVICE SITE ○

| [ UTC ] | YYYY | MM | DD | HH | MM | DECIMAL DEGREE (+/- XX.XXXX) | DECIMAL DEGREE (+/- XX.XXXX) |
|---|---|---|---|---|---|---|---|
| START | 2023 | 11 | 01 | 13 | 34 | +37.0173 | -8.9123 |
| END | 2023 | 11 | 01 | 13 | 49 | +37.0193 | -8.9048 |

INVESTIGATOR(S)

☒ DAY ○ NIGHT

| | | | | | |
|---|---|---|---|---|---|
| SOUNDER IN (m) | 23 | CABLE OUT (m) | | SEASTATE START | 2 |
| SOUNDER OUT (m) | 26 | SCANMAR (m) | | SEASTATE END | 2 |

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 46886 END 48999

NET COD-END 680 ○ ZooScan ● S680-L

COMMENTS

***volumeter always in litres**