



LOG_SAMPLES_ YYYY MM DD
2023 10 10

_STATION- # # # _METADATA
0 9 0

BATHYMETRY 12 m

LATITUDE 43,356

LONGITUDE -3,120

START UTC HH:MM 07 00

END UTC HH:MM 11 15

STATION NAME Bilbao sea

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	35,27 (PSU)	19,77 (°C)	1 [] 2 [●] 3 []	0,71 0,87 0,52	2,64 (µg/l)
[2] Z= m			1 [] 2 [] 3 []		
[3] Z= m			1 [] 2 [] 3 []		

• COMMENTS
 - Good weather, little wind. we are in a little bay that seems very polluted (oil refinery on the beach...). Fishing boat on operations around us. At 08:30 UTC the Kiwi group to shore (Nettias Fischer) the water. NO ANL Today. Lots of diatoms in the water. Towed the nets. Bow pole while towing. ALIENS when we were moored at ≈ 08:30 UTC for total 1 hour.

• 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
- SML SECCHI DISK: 10 (m)

STATION CAST #

NORMAL SITE SERVICE SITE



[UTC]

	YYYY	M	DD	HH	M	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	20 23	10	10	6	59	N 43 . 356	W 003 . 120
END	20 23	10	10	7	14	N 43 . 356	W 003 . 120

OPERATORS INITIALS

CABLE OUT (m)	<input type="text" value="8"/>	SOUNDER IN (m)	<input type="text" value="12"/>	WIND SPEED (kn)	<input type="text" value="13"/>
SCANMAR (m)	<input type="text" value="—"/>	SOUNDER OUT (m)	<input type="text" value="12"/>	WIND DIRECTION	<input type="text" value="SE"/>
PLACE NAME	<input type="text" value="Mushiz Senada Beach."/>			SEASTATE START	<input type="text" value="1"/>
CTD raw file name	<input type="text"/>			SEASTATE END	<input type="text" value="1"/>
UVP raw file name	<input type="text"/>			Other information	<input type="text" value="—"/>

- Tara at anchor.

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)												



STATION

0	9	0
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NORMAL SITE SERVICE SITE



[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+ XX.XXX)	DECIMAL DEGREE (+ XX.XXX)
START	20 23	10	10	07	00	+ 43 . 3563	- 3 . 1206
END	20 23	10	10	07	25	+ 43 . 3563	- 3 . 1207

INVESTIGATOR(S) Julie Paulain

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

COMMENTS / PROTOCOL NAMES

SW < 3 & SW < 0.2 Por land

S023 -L
S320 -L

P023
P320

Towing the nets.
10-15. Seeing the viad.

T-HG Vial-40mL RT >10°C	 112555846	### T-HG-2
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MTE-BP Bottle-125mL RT >10°C	 112555845	### MTE-S-2
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ASM Whirl-Pak FRZ -20°C	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6



STATION

0	9	0
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NORMAL SITE

SERVICE SITE



[UTC] YYYY MM DD HH MM DECIMAL DEGREE (+/- XX.XXXX) DECIMAL DEGREE (+/- XX.XXXX)

START

20	23	10	10	07	21	+	43	.	3564	-	3	.	1206
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END

20	23	10	10	07	53	+	43	.	3564	-	3	.	1206
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INVESTIGATOR(S)

SC

EVENT TYPE

- SML
 MICROTOPS
 BOW POLE
 hTSRB
 A20 PUMP
 A40 PUMP
 ASM Normal site
 ASM Service site
 Aliens in ports
 eDNA

COMMENTS / PROTOCOL NAMES

30 L - 32 min

T-HG Vial-40mL RT >10°C	### T-HG-1	### T-HG-2
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MTE-BP Bottle-125mL RT >10°C	### MTE-S-1	### MTE-S-2
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ASM Whirl-Pak FRZ -20°C	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6





STATION

0	1	0
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NORMAL SITE SERVICE SITE

[UTC] YYYY MM DD HH MM DECIMAL DEGREE (+- XX.XXXX) DECIMAL DEGREE (+- XX.XXXX)

START 20 23 10 10 07 46 + 43 . 3564 + 3 . 1204

END 20 23 10 10 08 11 + 43 . 3564 - 3 . 1204

INVESTIGATOR(S) Julie Poulain

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

COMMENTS / PROTOCOL NAMES

S320 } RO1 & RO2 → S302 RO1 & RO2
S023 }

S02-2K RO1 & RO2

T-HG Vial-40mL RT >10°C	### T-HG-1	### T-HG-2
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MTE-BP Bottle-125mL RT >10°C	### MTE-S-1	### MTE-S-2
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ASM Whirl-Pak FRZ -20°C	### ASM-1	### ASM-2	### ASM-3	### ASM-4	### ASM-5	### ASM-6



1055

2 - 1028 20 + 30 40 40 40

1055

2 - 1028 20 + 11 20 40 40

1055

1055 1028 2022 10 20 40 40 40
1055 1028 2022 10 20 40 40 40
1055 1028 2022 10 20 40 40 40



STATION

NORMAL SITE SERVICE SITE

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	2023	10	10	08	13	+ 43 . 3564	- 3 . 4206
END	2023	10	10	08	53	+ 43 . 3564	- 3 . 1206

INVESTIGATOR(S)

DAY NIGHT

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

SOUNDER OUT (m) SCANMAR (m) SEASTATE END

NET TYPE Decknet 20* WP11 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

100L.

**volumeter always in litres*







STATION

NORMAL SITE SERVICE SITE

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- XX.XXXX)	DECIMAL DEGREE (+/- XX.XXXX)
START	20	03	10	10	04	N 43.357	W 003.122
END	20	03	10	10	14	N 43.360	W 003.122

INVESTIGATOR(S) DAY NIGHT

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

SOUNDER OUT (m) SCANMAR (m) SEASTATE END

NET TYPE Decknet 20* WP11 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





STATION

NORMAL SITE SERVICE SITE

[UTC] YYYY MM DD HH MM DECIMAL DEGREE (+/- xx.xxx) DECIMAL DEGREE (+/- xx.xxx)

START 20 N W

END 20 N W

INVESTIGATOR(S) DAY NIGHT

SOUNDER IN (m) CABLE OUT (m) SEASTATE **START**

SOUNDER OUT (m) SCANMAR (m) SEASTATE **END**

NET TYPE Decknet 20* WP11 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





STATION

NORMAL SITE SERVICE SITE

[UTC]	YYYY	MM	DD	HH	MM	DECIMAL DEGREE (+/- xx.xxxx)	DECIMAL DEGREE (+/- xx.xxxx)
START	20	13	10	10	39	N 43.361	W 003.119
END	20	13	10	10	54	N 43.3664	W 003.1186

INVESTIGATOR(S)

DAY NIGHT

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

SOUNDER OUT (m) SCANMAR (m) SEASTATE END

NET TYPE Decknet 20* WP11 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

