

Groupe hydrographique et océanographique de l'Atlantique

SURVEY REPORT

OBJECT : « PROTEVS-SWOT 2023 » cruise onboard R/V L'ATALANTE
REFERENCE : NV n° 21/18.2 of 09/02/2023
ATTACHMENT : 1 appendix.

1 TASK.

This report presents the hydrologic data surveyed in waters under the jurisdiction of Spain by Shom (French Hydrographic Office) onboard R/V L'ATALANTE during "PROTEVS-SWOT 2023" cruise from March 20th to April 18th, 2023. The campaign took place in French and Spanish waters.

Data is available on the digital platform FileSender with the following link:

<https://filesender.renater.fr/?s=download&token=0180a6bf-da36-4597-99d8-3d3ca2dfb549>

2 REFERENCES.

All data are referenced to WGS84 datum, in geographical coordinates.

3 OCEANOGRAPHIC DATA.

3.1 CTD CASTS.

24 CTD casts were conducted inside Spanish waters. The cage was equipped with the following sensors: Temperature and Conductivity (x2), Turbidity, Fluorimeter (CDOM, Chlorophyll A), Oxygen and SUNA.

Data folders are grouped by radials or single stations. For each radial, provided data are:

- BDOS folder which contains processing steps and processed data;

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- BTL folder which contains environmental information at each depth where water was sampled using bottles;
- CNV folder which contains raw files converted to ascii;
- CNV_LAD folder which contains raw files converted to ascii and resampled so as to be used to process lowered current meter data;
- DATA folder which contains raw files;
- FIG folder which contains plots of processed data;
- ODV folder which contains ascii files of processed data.

3.2 DRIFTERS.

The following drifters were deployed during the cruise:

- 1 ARVOR;
- SC40: 5 with a 15 m deep socket and 1 with a 100 m deep socket.

Deployment sheets are provided in the dataset.

3.3 SEASOAR

6 radials were conducted using a towed fish (Seasoar) equipped with CTD, turbidity, fluorimeter (CDOM, Chlorophyll A) and Oxygen sensor. For each radial, provided data are ascii files of processed data.

3.4 THERMOSALINOMETER

Onboard thermosalinometer was continuously measuring surface CTD values. Dataset is provided in a single ascii file.

3.5 VESSEL MOUNTED ADCP

Two hull-mounted current profilers Workhorse Mariner RDI 38 kHz and 150 kHz were used. Ascii files are provided for each radial.

3.6 EXPANDABLE BATHYTHERMOGRAPH

28 XBT probes and 1 XCTD probe were launched during the cruise. Ascii files are provided, one for each probe.

Chief scientist Ronan Pronost,
Director of groupe hydrographique et océanographique de

l'Atlantique

APPENDIX : SURVEYED AREA

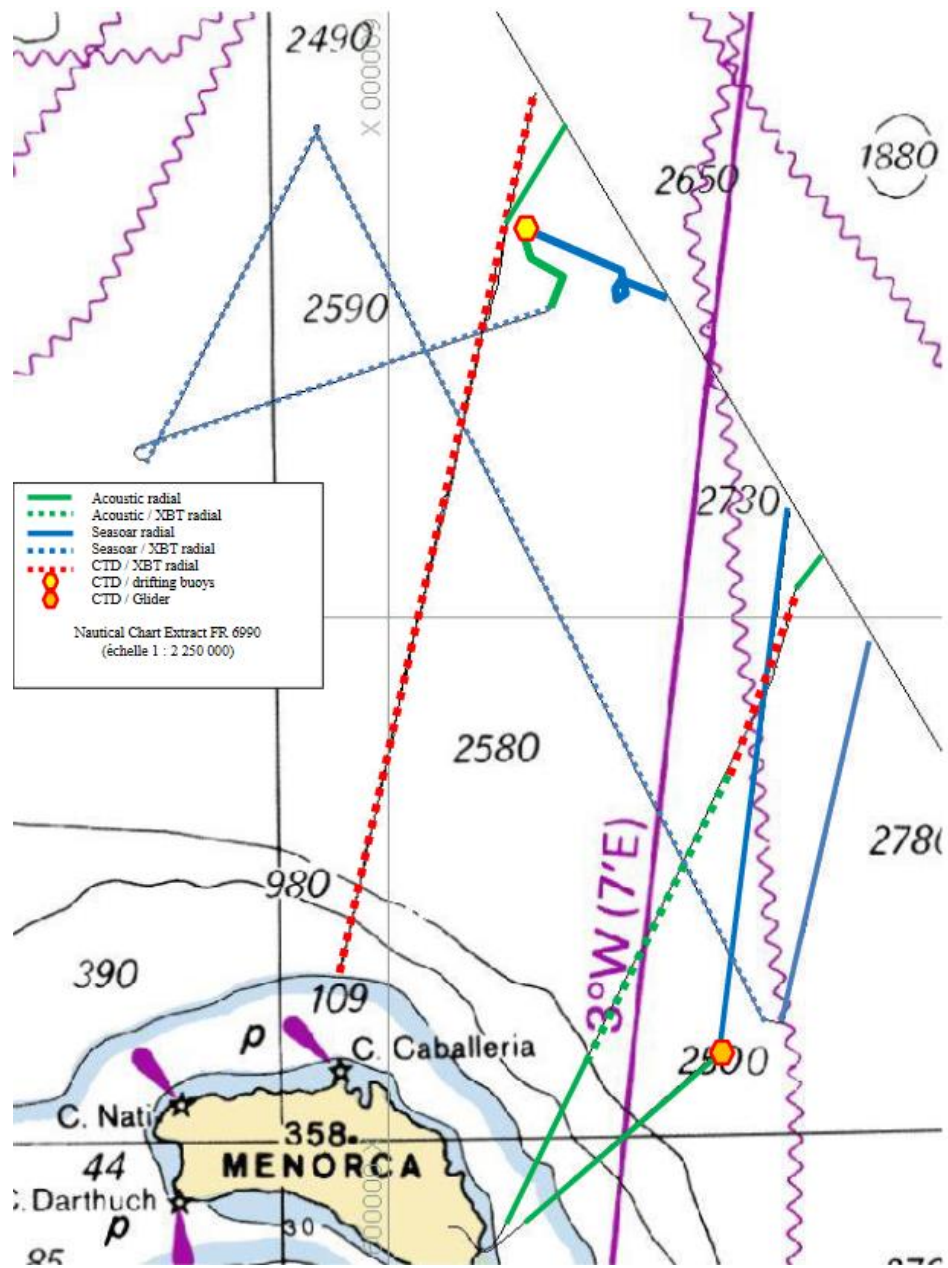


Figure 1: Oceanographic measurements

LISTE DE DIFFUSION

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