HOBO data loggers 🔗

Version 2

Sophie Martin[1]

[1]Station Biologique de Roscoff

dx.doi.org/10.17504/protocols.io.vbye2pw

EDYCO

Sophie Martin
Station Biologique de Roscoff

ABSTRACT

This protocol is intended to help you use HOBO data loggers and HOBOware software.

EXTERNAL LINK

https://www.hobodataloggers.com.au/hoboware-free-download

PDF
HOBOware-User's-Guide.pdf

PDF
HOBOware-Getting-Started-Guide.pdf

PROTOCOL STATUS

Working

We use this protocol in our group and it is working

MATERIALS TEXT

- HOBO Logger
- USB base station/coupler to connect to the computer
- HOBOware software installed on the computer: HOBOware is a FREE Download at the following address: https://www.hobodataloggers.com.au/hoboware-free-download

Connection

1 Connect the HOBO logger to the USB Base Station connected to the computer.

> ⚠ **SAFETY INFORMATION**
> Be careful to insert correctly the HOBO data logger in the Base Station.
> Push it thoroughly in the Base Station, making sure that the HOBO data logger fits into the corresponding slot on the Base Station.
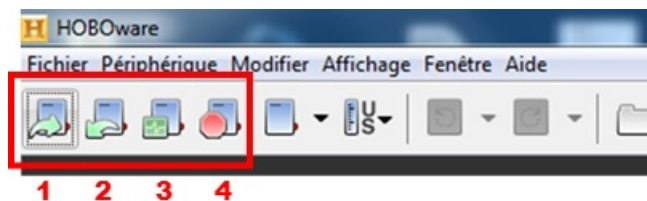
HOBOware

2 Open the HOBOware software (FREE download)

HOBOware 🔗

HOBOware Basic functions

3 4 icons at the top left:

1. First icon: **Launching** (Beware the launch of the HoBo probe overwrites the data stored there)
2. Second icon: **Reading out** (retrieve saved data)
3. Third icon: **Logger status** (allows to check the level of charge of the battery and the used memory)
4. Fourth icon: **Stop** the device

HOBO data logger Programing

4 Click the **Launching** icon on the toolbar (**Icon 1**)

The Plot Setup window contains the following information:
- **Description**: Indicate the file name
- **Parameters**: Select Temperature and Light Intensity
- **Recording interval**: "5 seconds" for example (this gives below the possible recording time depending on the memory)
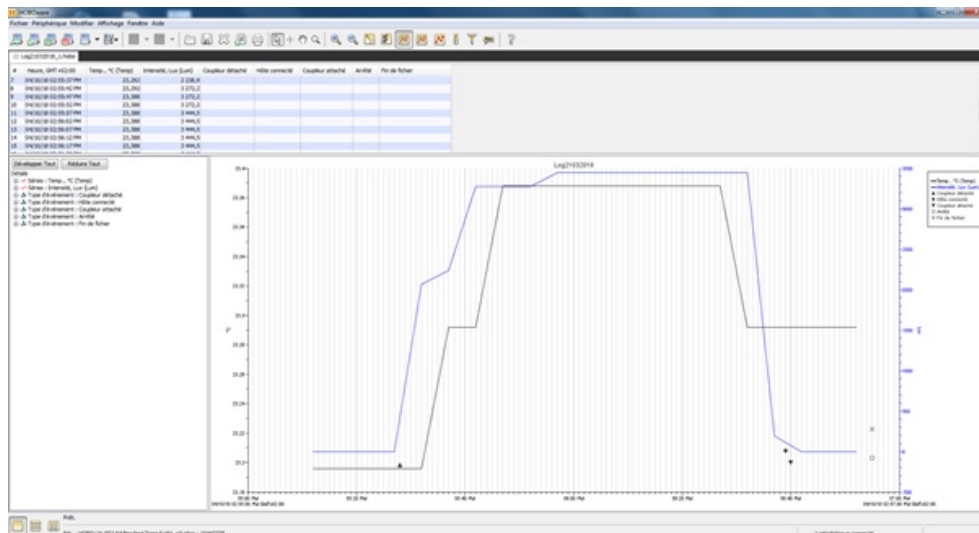-
To **Start** recording:
- Click on "Start" (Immediate) or "Delayed start" (Postponed, indicate date / time)

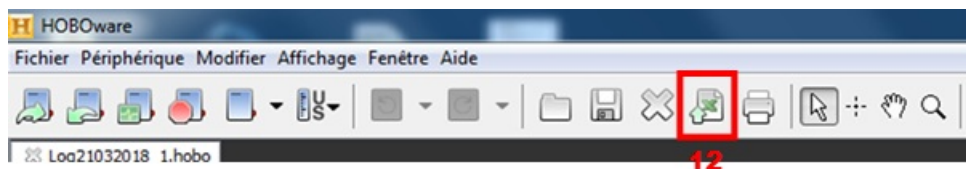## HOBO data logger Reading and Data export

5

Reading out the logger and plotting data

- Click the **Read out** icon on the toolbar (**Icon 2**)
- Choose the location to save the datafile.
- Choose the **units** of measurement (Temperature in °C and Light Intensity in Lux, leave the rest checked)
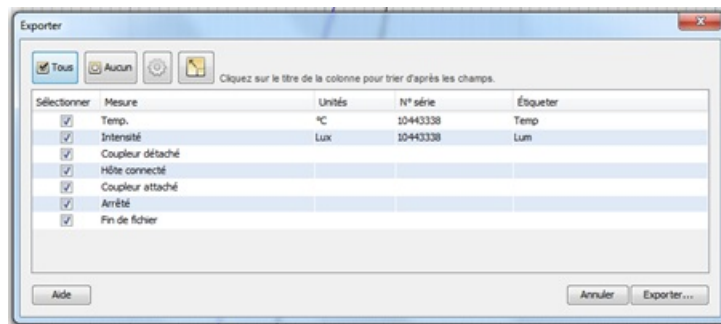
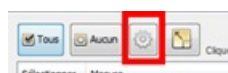- Click the **Plot** button

To save the file in excel format: click on the Excel icon (icon n°12)

A window appears.
Leave everything checked.

Open the "Preference / Settings" icon (third icon)

Data Export:

- Export file type: **Excel**
- Separate date and time (No: it will keep date and time grouped, facilitating graphics over several days)
- Time format: 24 h
- Do not check "**Export** automatically ...", do it **manually**.
- Click on "OK" then "Export" and "Save" the file.