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HOBO data loggers V.2

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External link: <https://www.hobodataloggers.com.au/hoboware-free-download>

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Protocol status: Working

We use this protocol and it's working

Created: November 05, 2018

Last Modified: November 05, 2018

Protocol Integer ID: 17496

Keywords: HOBO, Field survey, Light, Temperature



Abstract

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

Attachments



HOBOWare-User's-

Guid...

8MB



HOBOWare-Getting-

Sta...

394KB

Materials

- HOBO Logger
- USB base station/coupler to connect to the computer
- HOBOWare software installed on the computer: HOBO ware 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)

Software

HOBOWare

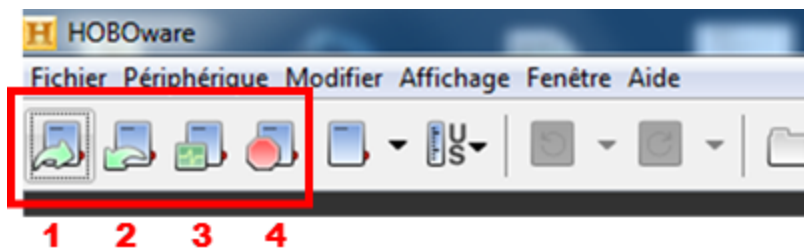
NAME



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 Programming

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)

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To **Start** recording:

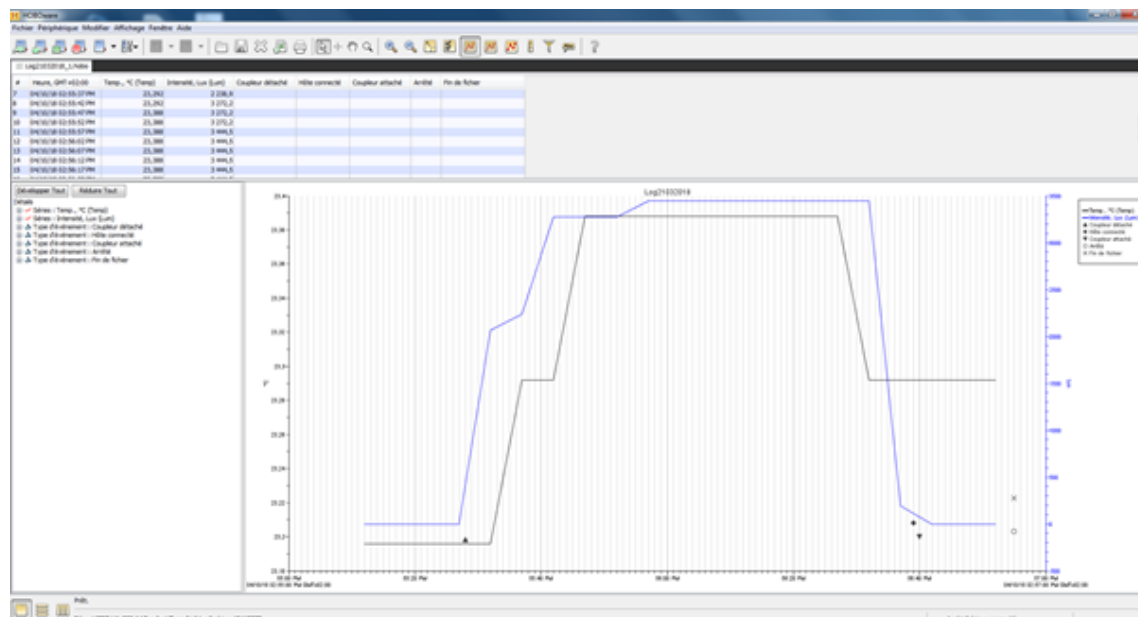
- Click on "Start" (Immediate) or "Delayed start" (Postponed, indicate date / time)

HOBO data logger Reading and Data export

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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

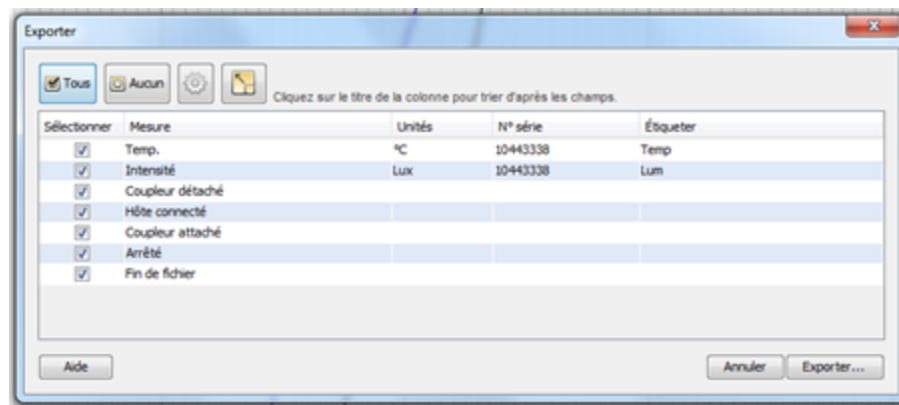


To save the file in excel format: click on the Excel icon (icon n°12)

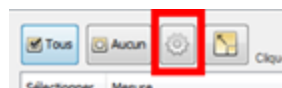


A window appears.

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.