

South Florida/Caribbean Network

National Park Service
Inventory and Monitoring Division



Standard Operating Procedure WT02

Launch HOBO[®] Temperature Pro v2 Logger—Version 1.1

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Purpose

This standard operating procedure (SOP) describes the steps to be taken to launch the HOBO[®] loggers. After a logger has passed the cold-water bath test (SOP WT01 *Testing the Precision of HOBO[®] Loggers in a Cold Bath—Version 1.1* [SFCN 2020]), it may be stored before deployment in the field. Spare loggers that have passed the tests in SOP WT01 are often taken along in the field kit when visiting a site to be deployed if a replacement logger is needed. Such a situation may arise if a field logger is missing or if there is a problem or error in the data transfer. Prior to deployment the logger must be launched. These procedures can be performed with the loggers connected to either the base station or the waterproof shuttle. These devices can be connected to a laptop or desktop computer; therefore, this procedure can be conducted in the office or in the field.

Revision Log

Revision Date	Author	Changes Made	Reason for Change	New Version #
6/29/2020	Lee Richter	Update SOP references, minor edits for clarity.	Protocol operational review	1.1

Procedures

1. Open HOBOWare® (latest version—update as necessary)
2. Plug in the HOBO® Optic USB Base Station or the HOBO® waterproof shuttle into the computer; attach the logger to the HOBO® device (Figures 1 and 2).

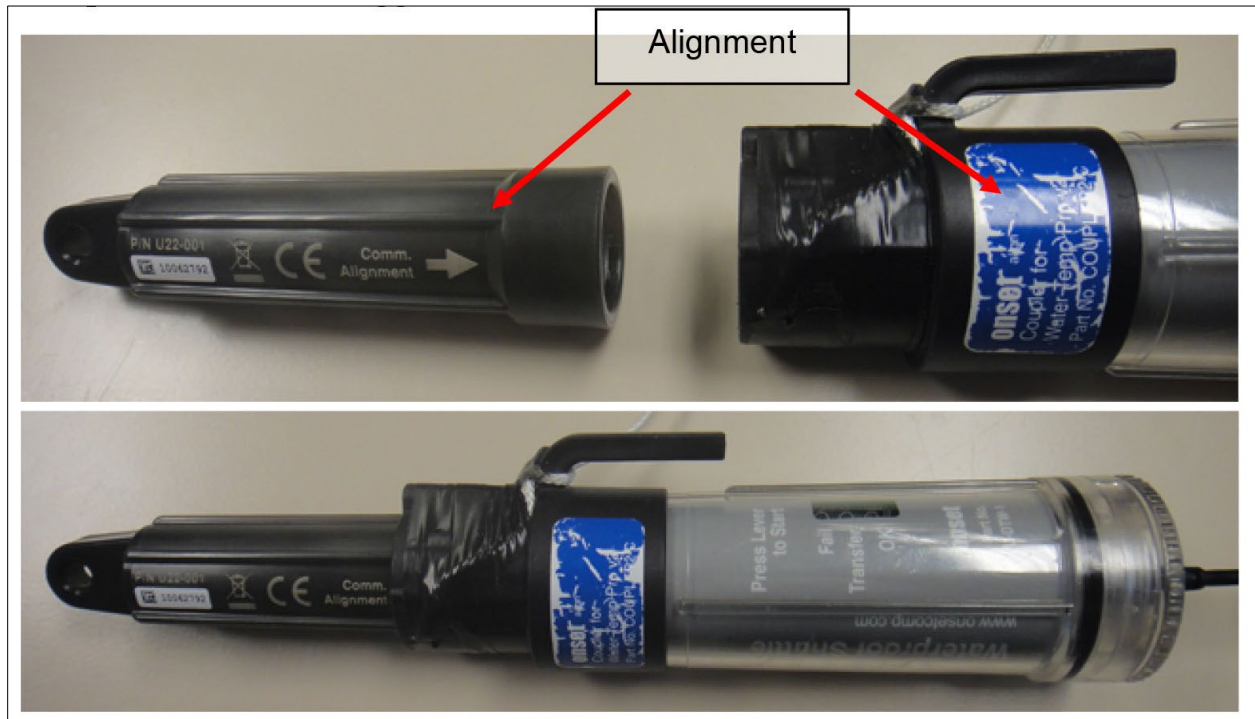


Figure 1. HOBO® Water Temp Pro v2 logger and shuttle.

3. When using the shuttle, squeeze the plastic lever on the shuttle **once** so that the software can interact with the logger.

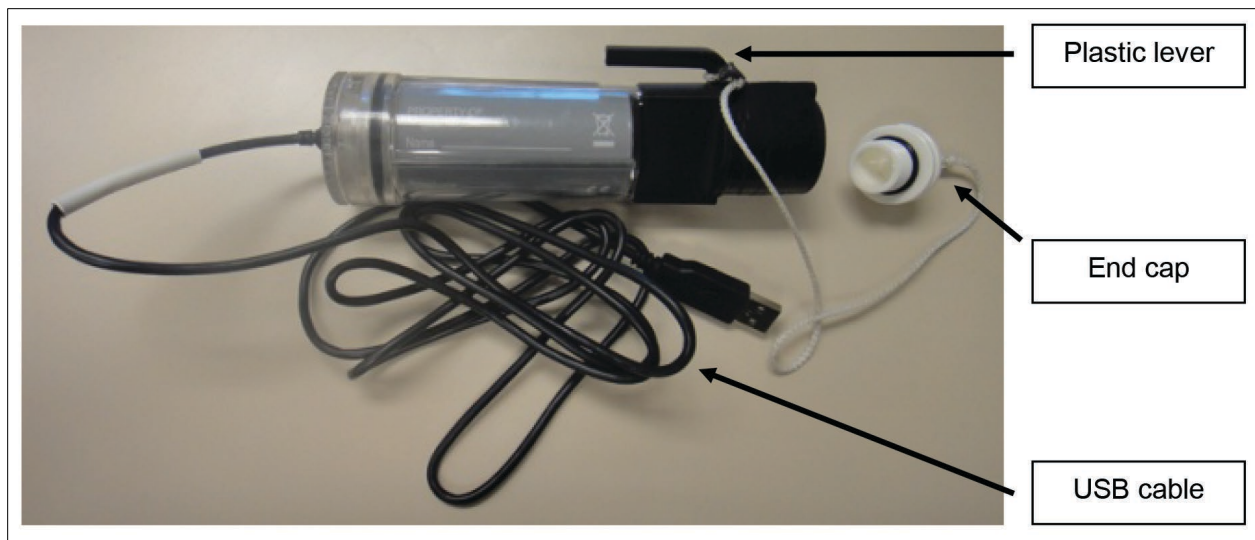


Figure 2. HOBO® Water Temp Pro v2 shuttle and USB cable.

4. Click on “Device” drop down menu.
5. Click on “Launch.”
6. In the dialog box, type in park, site code, and sensor number (e.g., VIIS_YZ_1)
7. Set the launch time for midnight of the day after the logger is deployed in the field (e.g., if the logger is deployed on April 15, the launch date and time is 12:00 A.M. on April 16).
8. Confirm that the unit is set to record at two-hour intervals, delayed start.
9. Inset each logger into a rubber boot and cap.
10. Disconnect the device. Replace the end cap immediately.
11. Record the date, time and location of deployment along with the logger serial number in the temperature logbook.

Literature Cited

South Florida/Caribbean Network. 2020. Testing the precision of HOBO® loggers in a cold bath—
Version 1.1. South Florida/Caribbean Network Standard Operating Procedure NPS/SFCN/SOP—
WT01. South Florida/Caribbean Network, Palmetto Bay, Florida. Available at:
<https://irma.nps.gov/DataStore/Reference/Profile/2278932> (last accessed November 2020).