

Data Logger Launching

Lab or Field Guide

Task

Launch your data logger for collecting diurnal soil and air temperature measurements.

What You Need

- Data logger disconnected from the four sensor cables
- Computer: 386 or better, 4 Mb RAM, Windows 3.1 or later, 1 available COM (serial) port

In the Lab or Field

1. Make sure that your computer's clock is reading the correct local time.
2. Run the BoxCar[®] software
3. Connect the HOBO[®] 4-Channel External logger to the serial cable using the bottom and largest plug.
4. Select "Launch" (Ctrl L) under "Logger" button on the main menu bar.
5. You should see or select the following:
 - a. Interval (duration) = 15 minutes (84 Days),
 - b. Measurement: Channels 1-4 recording Temperature (both °F and °C). Without the sensors connected, the values will be different but should be relatively constant.
 - c. Battery Level: full (replace the battery when level falls below 30%)
6. Select "Advanced Options".
7. You should see or select the following:
 - a. Wrap-around when full (unchecked)
 - b. Delayed Start (checked) Set to expected start time; Use this feature to start sampling times on the quarter hour, ex: XX:00:00, XX:15:00, XX:30:00, or XX:45:00. Select "am" or "pm".
8. Select "Enable/Disable Channels".
9. For Channels 1-4, you should see or select the following:
 - a. -40 °C to +100 °C [TMC6-HA]. (checked)
 - b. Select "Apply"
10. Select "Start".