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How do I perform a Self Check or Self Test on my station?

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When you go into the Tools menu and click into Self Check, a number of codes will appear. These codes can assist in diagnosing issues with your FieldKit. If a particular code is highlighted with a white box around the text, then it means that subsystem isn't working properly. Our team may ask you to do this and report in!

An example Self-Check screen:



You don't need to decipher these codes (that's our job!), but here are their meanings:

- rtc - Real Time Clock, the internal clock module that keeps time for the station
- temp - Temperature, the internal temperature sensor on the FieldKit Upper board

- bg - Battery Gauge, the chip that reads the battery voltage
- sg - Solar Gauge, the chip that reads the solar voltage
- qspi - the QSPI bus, which controls the on-board storage
- spi - the SPI bus, which moves data to and from the on-board storage
- wifi - the WiFi module, which allows communication with the app
- gps - the GPS module, which allows for the station to set its own clock and record its position
- sdo - SD card open, whether the SD card is present
- sdw - SD card write, whether the SD card can be written to
- bpm - Backplane Multiplexer, the chip that tells the module boards which one should be speaking the the main microcontroller at a given time
- bps - Backplane Shift Register, the chip that handles data moving to and from the module boards
- led - the LED controller, which handles the color and illumination of the status LEDs underneath each of the module boards
- lora - the LoRa module, which allows radio communication over longer distances
- 00X00 - Module Board Status, which shows occupied module bays as an X, and unoccupied bays as a 0, in the order of bay 0-4, where the four are on the module base