**Electron setup**

A great video explaining the Particle Electron setup in detail that cannot be explained in a manual easily

<https://www.youtube.com/watch?v=T60GEfMFwIY>

**Collecting Data locally (create excel sheets and graphs)**

Navigate to <https://github.com/michiganaerospace/Eco-Kit>

Download the file “serial plotter” from the github

You will also need the spider python compiler available at <https://www.spyder-ide.org/>

Once you have both files run the serial plotter program thru the spider compiler. Ysou will need to change one value in the serial plotter program which is the com port.

Type device manager into your computer search bar and open it. Under com port in the device manager the electron should appear.

You’ll type in your com port number to line 79 of the python code.

Run the serial plotter program.

it will display data on graphs as your weather station gets data.

If the screen is blank at the beginning it is waiting for a signal from the eco kit.

When the program is exited it will complete an excel file with the data you collected onto the graphs.

**Collecting Data thru google drive**

Power up eco kit

Login to google drive <https://drive.google.com/drive/my-drive>

UN: michiganaerospace1@gmail.com

PW: michaero

Select sheet with your eco kit number and it should be updating with values from your eco kit