



## Activity 5.2: Seismometer

### Task 1: Experimental Set-Up

- ☒ ~~Load the appropriate file onto your LunaSat~~
- ☒ ~~Open the serial plotter~~
- ☒ ~~Verify the code, then upload it to the LunaSat~~
- ☒ ~~Grab a paperclip, a marble, and a heavier object (golf ball-sized)~~
- ☒ ~~Set LunaSat on the table~~

### Task 2: Conduct the Experiment

Fill out the tables below according to which material you're dropping. ***Do not drop materials on the LunaSat.*** Drop the objects from the same height.

Material	Max Acceleration	Axis of Max Acceleration
Paperclip	1.17-> 1.18	Z
Paperclip	1.16-> 1.17	Z
Paperclip	1.16-> 1.18	Z

Material	Max Acceleration	Axis of Max Acceleration
Marble	1.17 -> 1.27	Z
Marble	1.16 -> 1.22	Z
Marble	1.67 -> 1.29	Z

Material	Max Acceleration	Axis of Max Acceleration
Chosen Object	0.03-> (-0.15)	Y
Chosen Object	0.04 -> (-0.08)	Y
Chosen Object	0.03 -> (-0.28)	Y