weekly memorandum

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| to: | James Pettit |
| from: | Travis bates |
| subject: | srt week 4 |
| date: | October 4, 2015 |
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**LAST WEEK**

After deciding last week to use the vibromaters that we already own, I began to experiment with them while learning how to operate the Arduino code. It’s my belief that the code run will be fairly simple, but that the real challenge will be both whether or not the hardware we’re using will be able to handle the Hz of the rocket(still unknown, estimated around 2-8000), as well as the physical setup of the vibromaters to model a 3D experiment. I have continued my research on documented vibration testing of rockets to plan a backup if needed. The last challenge we face is lacking a proper way to calibrate the sensors.

**THIS WEEK**

I will hopefully be fully versed with the Arduino board, or at least enough to read the values from the vibromater by the end of the week. Also I’ll need to come up with a way to calibrate the sensor to ensure valid readings.