01/14/19 Meeting Minutes:

• Went over GitHub and started having everyone practice using it

• Assigned Linux tutorial lessons from a link on the GitHub page

• Next meeting we will start breaking down the systems we need for the rocket to run

01/28/19 Meeting Minutes:

• Planning and showcasing of Open Rocket software

• Talked about Frozen Frost happening this weekend

02/11/19 Meeting Minutes:

• Went over PDR format

• Reviewed pull requests on GitHub

• Started writing Avionics-related parts of PDR

• Discussed Rocket Dynamics for Programming

• Talked about speed measuring with Doppler Effect

• Went over communications between computer chips

02/25/19 Meeting Minutes:

• Broke down programmable systems of the Rocket into 4 main systems

• #1 Telemetry: Sending & receiving signals to/from Rocket; save data to rocket HDD and ground computer as well as format the received raw data into something readable and useful on the ground computer

• Important data to be considered - Altitude, velocity, and acceleration

• #2 Engine: Control the fuel for the engine

• #3 Recovery: What altitude/atmospheric pressure to deploy parachutes

• #4 Abort procedure: A system to release fuel, separate nose-cone with the electronics containing data, and initiate recovery procedure in the event of launch path failure

• And just to be clear, we have recently confirmed that we will not be controlling the movement of the rocket at all during flight.

03/04/19 Meeting Minutes:

• Connected Pi to LED and implemented code to turn LED light on and off

• Connected button to BBB and implemented code to receive signal from button, send signal to Pi, and output to LED

• Drew up rough flow charts for rocket systems