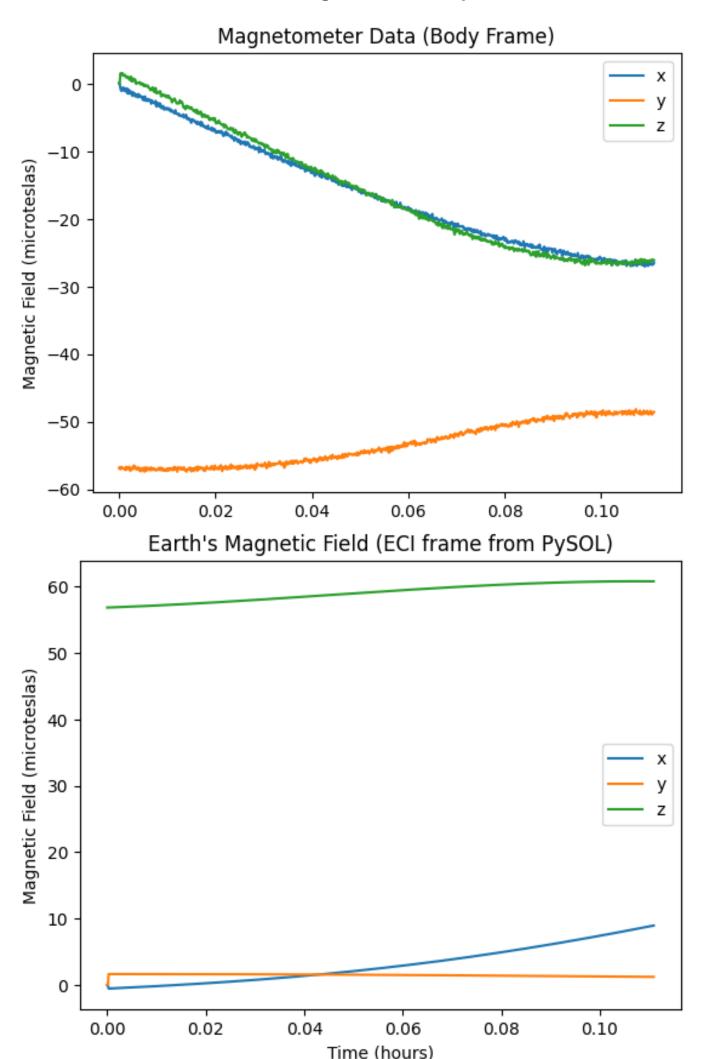
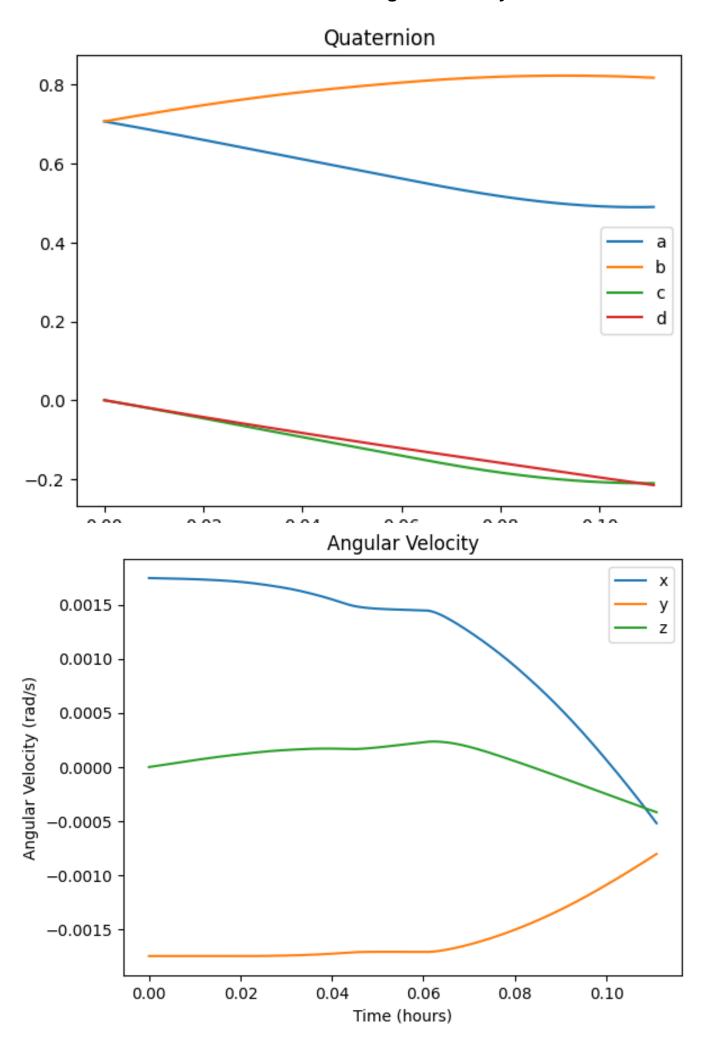
Detumbling Simulation Report

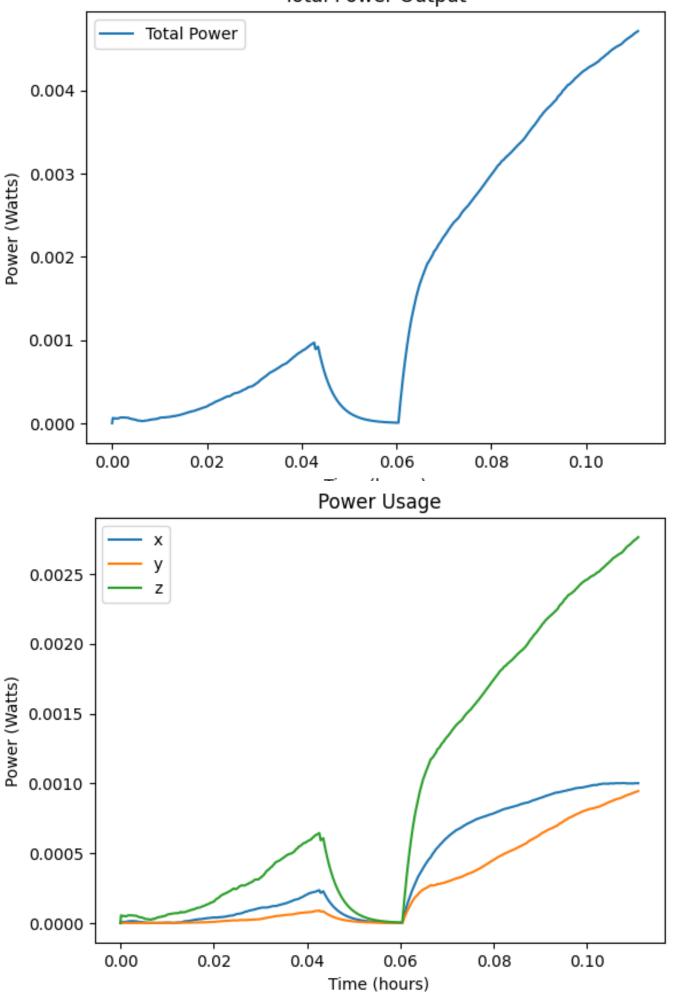


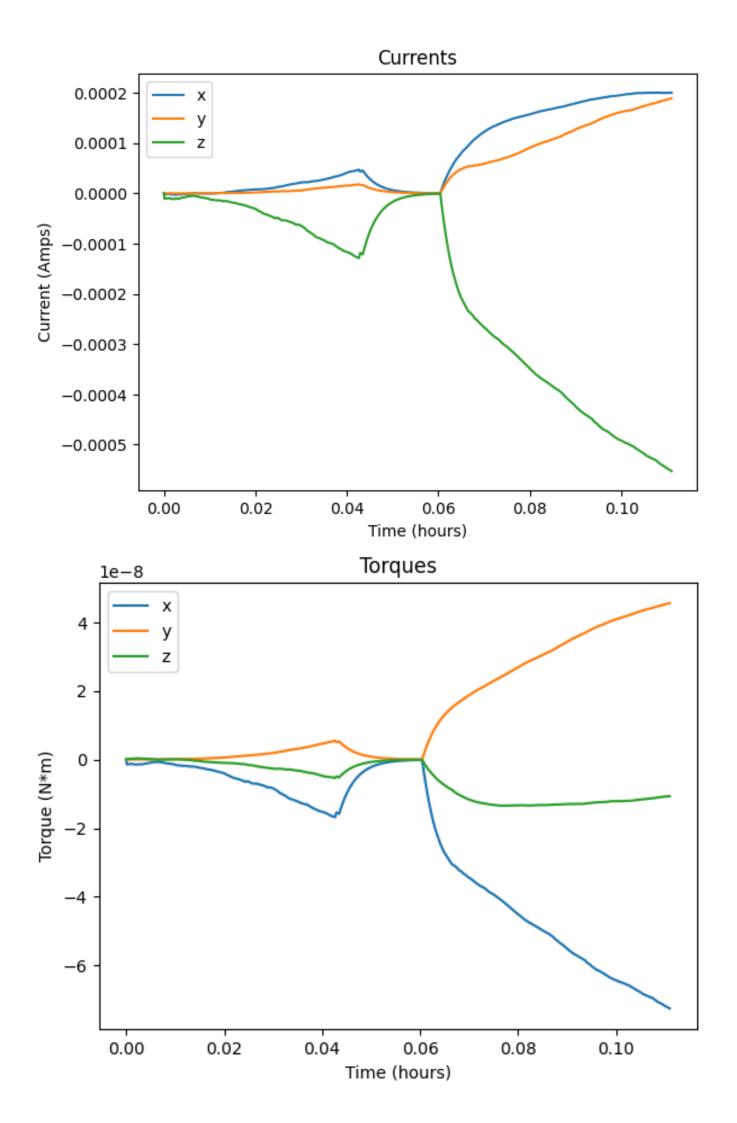
Orientation and Angular Velocity

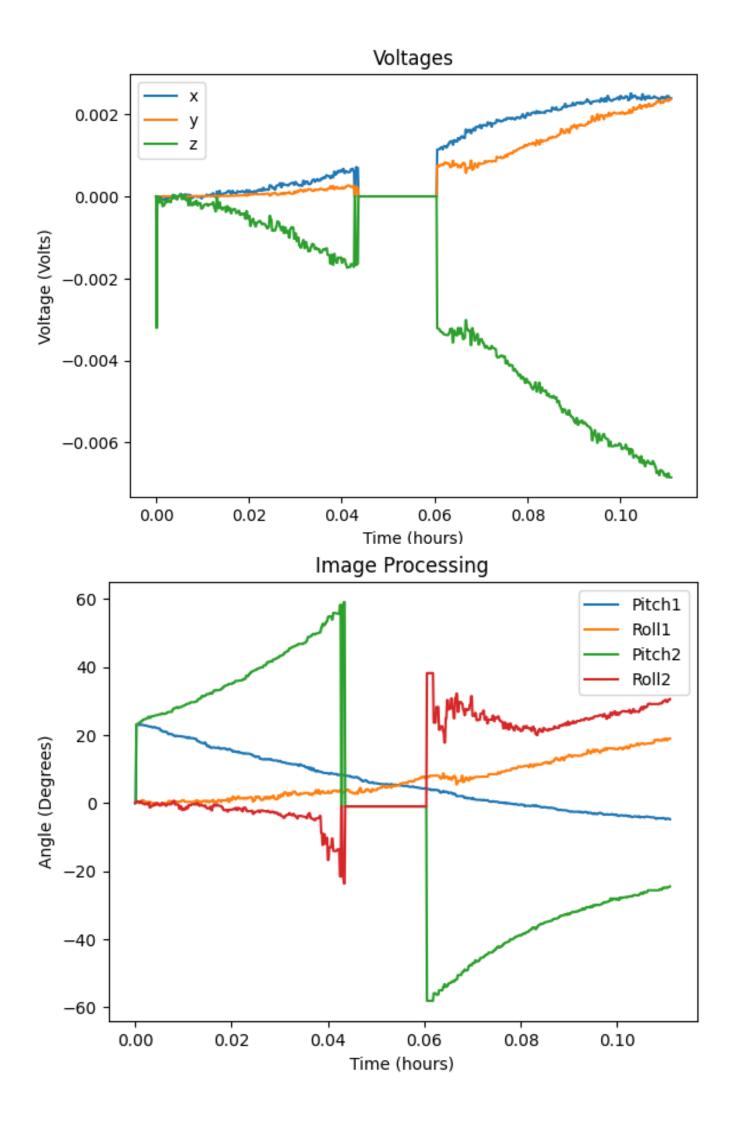


Magnetorquer Information

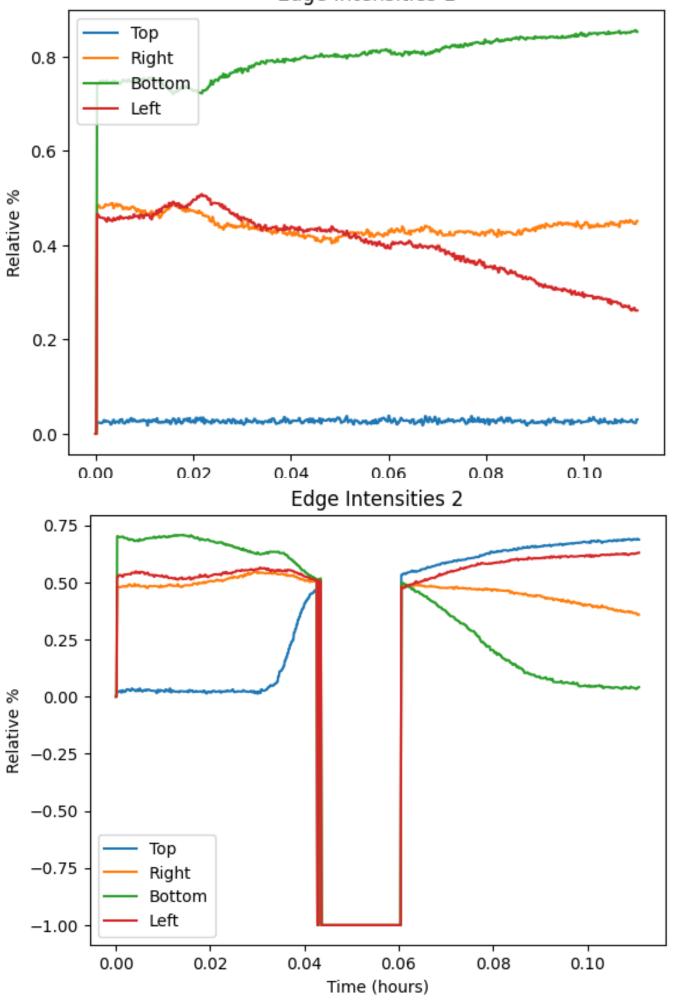








Edge Intensities 1



General Info

Starting speed: [+1.00e-01 -1.00e-01 0] degrees/s.

Total simulation time: 0.111111111111111 hours

Orbits completed during simulation: 0.0712 orbits.

Hours to detumble: 0.0003 hours.

Orbits to detumble: 0.0002 orbits.

Power consumed to detumble (Total Energy): 0 Jules

Orbital elments: [0, 6828, 9.22e-05, 90, 90, 0]

These define our simulated orbit (see sol_sim.py in PySOL for more info)

B-dot proportional gain: k = 1e-05

Bang-Bang proportional gain: kp = 90.0 Bang-Bang derivative gain: kd = 70.0

Satellite info:

Ferro Magnetorquer:

Number of turns = 1845

Area = 3.216990877275948e-05 m^2

k = 1e-05

Magnitizing factor = 38.3370626305719

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