GNC Quad Chart

October 30 2024

Sun Pointing Error
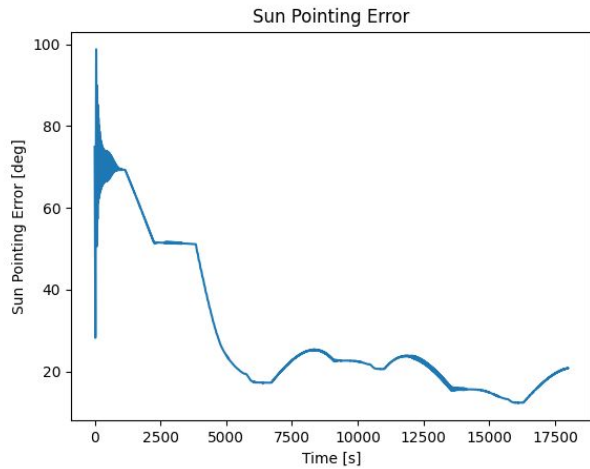
Blockers:
None

Progress:
Simulation:
- Switch to C++ simulation nearly complete
- C++ simulation interfaced with PyCubed for HIL simulations
  - Only gives a 25:1 speedup and can't be used for MC simulations.
  - Can be used for controller verification

Control:
- Spin-stabilized, Sun pointing controller implemented
Orbit Determination:

Plan for the Upcoming Week:
1. Adding State Estimator to the simulation
2. Moving controllers from python sim to C++
3. Implementing RW controller

Interfaces:

Kanban