Micro-Cathode Arc Thruster (µCAT)
End of Year Report
Azimi, 596
Science SmallSats

During FY2017 Micro-Cathode Arc Thruster team, work on characterizing and improving MCAT thrusters. Here is the list of activities and accomplishments during FY 2017:

- Prepare test equipment to measure thrust level and characterize thruster head.
- Improve power converter efficiency by decreasing overhead power loss.
- Add multiple interfaces to control and communicate with the onboard computer.
- Removed press-fit components from the design to increases reliability during testing and operation also allows thruster to be disassembled and reassembled much easier.