

sdmay18-17: MicroCART

Week 3 Report

September 17 - September 24

Team MembersPeter Thedens — *Repository Lead*Austin Rohlfing — *Controls Lead*Kyle Trost — *Team Lead*Matt Kelly — *Documentation Lead and Webmaster*Dane Larson — *Ground Station Lead*Jakub Hladik — *Test Lead*Tyler Imboden — *Quad Software Lead*Blake Pries — *Communications Lead***Summary of Progress this Report**

We largely spent this week reading code and documentation

Started website

Completed project plan v1.0

Proposed new virtual quad simulator

Created labels for designating Gitlab issues to teams

Pending Issues

Need to discuss with prior team to learn how to run two other demos

Plans for Upcoming Reporting Period

Create issues for updating documentation and making other improvements

Continue work on understanding and documenting existing code

Look into updating VRPN to track quad and another object

Keep learning assigned focus areas

Write down requirements for the new virtual quad simulator

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Peter Thedens	Helped on project plan; reviewed test code and documentation; created branch for improvements	7	16
Austin Rohlfing	Started reading controls thesis; began working on controls documentation	8	14.5
Kyle Trost	Worked on Project Plan, specifically the project timeline and system block diagram.	12	23

	Created documentation on how to make Boot.bin file in SDK. Further reviewed quad HW/SW.		
Matt Kelly	Created preliminary website, wrote deliverables, goals, and ground station related areas of project plan, further code review	11.5	22
Dane Larson	Helped Demo, meeting on monday, project proposal, very little time looking at code this week	7	17
Jakub Hladik	Learned about the current controls model from Matt, discussed demo ideas, worked on the project plan, proposed new virtual quad flight simulator, went over gitlab issues, assigned labels, created an issue.	8	18
Tyler Imboden	Demoed to 475, created parts list for multiple quads, project plan, reviewed quad code	10	22
Blake Pries	Installed matlab and simulink on my PC. Tried to get a broad understanding of the current controls system. Helped work on the project plan.	4	9