EE CprE 491 – May 20 - 49
CySat Senior Design Team
Week 35 Report

April 16, 2020 – April 22, 2020
Faculty Advisors: Phillip Jones

Team Members:

Bryan Friestad –– *Team Lead / EPS Lead / OBC Lead*
Ryan Hansen –– *SDR Lead*
Chase Kirchner –– *Ground Station Lead*
Kyle Muehlenthaler –– *UHF Lead / Ground Station Secondary*
Talon Stromgren –– *Boost Board Lead / SDR Secondary*
Xiangzhu Yan –– *ADCS Lead*

Past Week's Accomplishments
- OBC:
- ADCS:
- SDR:
- EPS: Created next steps document for the next EPS subsystem lead
- Ground Station: Created revision plans, added tab for aptitude, and worked on documentation
- UHF:
- Analog Components: Boost board done

Pending Issues
- Still no round trip data radio communication
- Still don't understand what I'm seeing on the solar arrays

Individual Time Contributions

Team Member	Total Weekly Hours	Last Week Hours	Total Project Hours	Attend Gen. Meeting?
Bryan Friestad	7	7	240	yes
Ryan Hansen	4	2	196	
Chase Kirchner	5	8	150	No
Kyle Muehlenthaler	5	3	176	No
Talon Stromgren	8	3	156	No
Xiangzhu Yan	5	0	164	

Description of Work contributed

Team Member	Contribution
Bryan Friestad	Held advisor meeting. Made issues on Git for the remaining tasks of the semester, each with a deadline and a person they are assigned to. Helped Talon review the boost board revisions and provided feedback. Held team a meeting where we reviewed final tasks, and attended the cysat general meeting. Made and merged in the EPS next steps document, along with some other documents and code from the battery capacity branch.
Ryan Hansen	Working on issues assigned to me on Git. Putting together documentation for handoff on SDR component progression.
Chase Kirchner	Created revision plans for the ground station. Added tab for attitude in the future. Worked on documentation and looked into the packet loading bar.
Kyle Muehlenthaler	Worked on understanding of the remote systems. Did not have access to the d9bw… machine net ID not added. Possibly using the wrong information on the second machine.
Talon Stromgren	Finished boost board
Xiangzhu Yan	Working on ADCS documentation.

Plans for Coming Week

- Bryan Friestad: CprE 492 project poster and IRP presentation is next Monday. After that I will work on the Mock Mock Launch plans.
- Ryan Hansen: Continue documentation and planning for project handoff.
- Chase Kirchner: Further documentation for project handoff and wrapping up ground station code for handoff.
- Kyle Muehlenthaler: work on issues with remote systems,
- Talon Stromgren:
- Xiangzhu Yan: Work on ADCS document and CprE 492 stuff.