

EE/CprE/SE 492 STATUS REPORT 6

04/03/2025 – 04/17/2025

Group number: 9

Project title: Space Cyclones - COSMIC CAPSTONE CHALLENGE 2024-2025

Client &/Advisor: Bo Varga, Benjamin Rupp, Rachel Shannon

Team Members/Role: John Beuter (Team Lead), Daniel Sprout, Maheeka Devarakonda, Tanvi Mehetre, Riley Heeren, Ben Swegle

○ **Weekly Summary**

Week Objectives:

Continue progress on the final presentation and work on the senior design poster/final report.

• John Beuter:

Reviewed and revised sections of the paper. Collaborated with Bo and Ben Rupp to share ideas and team progress. Coordinated with advisors for maximum paper review.

• Daniel Sprout:

Worked on C3 showcase presentation, and the report. Completes the NASA presentation, continuing development on the code for the prototype.

• Maheeka Devarakonda:

Worked on finishing the C3 presentation and paper for the NASA design challenge. Had a successful final presentation with NASA. Continuing to develop the prototype and integrate the final pieces.

• Tanvi Mehetre:

Worked on the presentation for the C3 showcase and finished the final draft for the same. After getting the initial comments, refined the presentation and paper. Final presentation for NASA completed successfully. Planning to work on senior design requirements and refining the final deliverables.

• Riley Heeren:

Work on C3 presentation. Spent time drawing pictures of the operation of the life cycle of

our solution. Gave C3 presentation.

- Ben Swegle:

Worked on the C3 presentation slides and our showcase report. Focused on the animation and prototype sections of the slides and showcase report.

○ **Pending issues**

- John Beuter: N/A
- Daniel Sprout: N/A
- Maheeka Devarakonda: N/A
- Tanvi Mehetre: N/A
- Riley Heeren: N/A
- Ben Swegle: N/A

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
John Beuter	Continued work on the final paper and worked with industry advisors to receive feedback on current design progress. Updated and revised the final presentation slide decks to be prepared for the mid-April showcase. Revised and rewrote numerous paper sections.	16	56
Daniel Sprout	Finalized the C3 Presentation slides and report, Presented to the C3 NASA panel. Resumed development of the codebase	8	44.5
Maheeka Devarakonda	Finished C3 Presentation and design report. Successfully presented to the NASA panel.	14	53
Tanvi Mehetre	C3 final paper and presentation. Presentation with the C3 panel completed.	15	48
Riley Heeren	C3 presentation drawings	15	45
Ben Swegle	Worked on our animation and prototype sections for our C3 presentation and report.	5	55

- **Plans for the upcoming week:**

Prepare for the senior design poster and panel presentation and draft senior design required documentation.

- **Summary of weekly advisor meeting:**

N/A