

Space Minor BUFFS Balloon Payload Final Report

For your final report, we are allowing you to decide which format to use for your submission.

The final work will be something uniquely yours – which means we will take essentially any format that you choose. Please feel free to choose the media that best reflects you, and the way you want to discuss your Balloon Payload project. Some ideas include a report write up, a presentation style review, a video, a website of your project, and so on. Please make sure whatever you send us is in a format that the Space Minor BUFFS staff members will be able to access without needing special software or a password to access — and trust us, life will be much, much easier for all of us if you keep the file size for your submissions below 250 MB. Submit to ashleigh.bailey@colorado.edu or spaceminor@gmail.com. These final reports may be submitted at any point after your launch, but must be submitted prior to **the last day of the semester** (unless extension is approved by the payload team).

What needs to be included in the final project.

- 1) Overview
 - a) Discuss your Balloon Payload build
 - b) What is in your balloon payload
 - c) Obstacles you had to overcome during the build
 - d) Any pictures of your balloon payload
- 2) Discuss preparing for launch
 - a) Testing that you performed
 - b) Any rebuilding after testing that might have occurred
 - c) Pictures of testing you might have taken
- 3) Launch and Recovery - Optional
 - a) If you were present at launch, talk about launch conditions that day, what it was like to launch
 - b) If you were part of recovery, discuss the recovery of the Balloon Payloads.
- 4) Discuss the data you received from launch
 - a) Show us your data, both raw and processed data. This can be included in an appendix or separate attachment/file.
 - b) Is the data what you expected?
 - c) Were there any strange anomalies that you noticed in the data?
 - d) If there were, can you think about what might have happened to cause data anomalies?
- 5) Failure analysis
 - a) Were there any major failures with your Balloon Payload?
 - b) If so, talk about what might have happened
- 6) Lessons Learned
 - a) Discuss any lessons you may have learned throughout the build, launch and data analysis part of the project.
 - b) If you could do this project again, what would you do differently?

Make sure to fully capture the project from start to finish, and include any pictures you might have taken. This is a great thing to have for future job interviews to showcase what you learned, what you built, and your presentation skills.

Last steps:

Upon completion and submission of the final report, you may be eligible for a stipend for participating in the Space Minor BUFFS Program. Please review the completion checklist and fill that out to be eligible!

[Return Hardware list](#)

[Completion Checklist](#)