**Team Pleiades (LSU)** July Status Report

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Student Team Demographics** | | | | | | |
|  | **Name** | **Role** | **Major** | **Classification** | **G.D.** | **Ethnicity** |
| 1 | Jordan Causey | Mechanical Design | ME | Sophomore | Spring 2019 | Black |
| 2 | Joshua Collins | Electrical Lead | EE | Senior | Spring 2017 | Caucasian |
| 3 | Robert “Bob” Cottingham | Volunteer Member | PHYS | Senior | Spring 2017 | Caucasian |
| 4 | Allen Davis | Mechanical Lead | ME | Junior | Spring 2017 | Caucasian |
| 5 | Victor Fernandez-Kim | Assistant Project Manager | ME | Senior | Spring 2017 | Hispanic |
| 6 | Kyle Hamer | Software Design | PHYS | Freshman | Spring 2019 | Caucasian |
| 7 | Brad Landry | Primary Contact, HASP Project Manager | PHYS | Junior | Spring 2018 | Caucasian |
| 8 | Adam Majoria | Solar Eclipse Project Manager | PHYS | Senior | Spring 2018 | Caucasian |
| 9 | Connor Mayeux | Software Lead | CSC | Freshman | Spring 2019 | Caucasian |

*Table1: Student Team Demographics*

1. Activities of Team Members
   1. Construction of all mechanical subsystems
   2. Construction of all electrical subsystems
   3. Full system testing
2. Issues Encountered
   1. Due to various issues, a PCB was not able to be made/purchased, so a scaled down version of the original power board design will have to be used
3. Milestones Achieved
   1. Completed construction of primary HASP payload
   2. Completed construction of beacon payload
   3. Completed construction of Ubiquiti payload
   4. Completed construction of Iridium payload
   5. Mounted primary HASP payload to large payload plate
   6. Mounted Ubiquiti payload to small payload plate
   7. Successfully streamed to two ground stations at one time
   8. Assembled second ground station
   9. Completed construction of scaled down power board
   10. Completed construction of Temperature sensors, and RTC circuit for temperature sensing system
   11. Completed flight code for temperature sensing system
   12. Mounted all electrical components (Video payload, power board, temperature system) to HASP Plate
   13. Performed duration tests with full system
   14. Performed HASP integration tests with full system
   15. Performed long distance testing with full system
   16. Performed cold testing with full system
   17. Performed T/V test with full system
   18. Configured radio and beacons for integration/flight
   19. Completed FLOP document

1. What will be worked on in **August**
   1. Correcting any issues that may be encountered during integration