



HASP Monthly Status Report

Report Month: February 2023
Submitted by: Melissa Rocha
Submit Date: 02/ 24 / 2023
Institution: College of the Canyons
Payload Number: 2023-09
Payload Name: Sol Seeker

I) Activities During Previous Month:

- Invited to speak at the Chancellor's Workshop to nearly 200 Faculty, Administrators, and Classified Staff about what the HASP payload program has done for students
- Invited to the Chancellor's Circle Dinner to connect with community donors and fundraise
- Campus wide awareness event: Cougar Fest - showcased various payloads at this club recruiting event and had positive student response with several students expressing interest in joining the team

II) Issues Encountered:

- Parts temporarily not in stock from vendor (Raspberry-Pi)

III) Milestones Achieved:

- Ordered parts
- Responded to application review
- Tested motors with prototype PCB
- Researched & purchased Pololu 5V & 12V 1A Step-Down Voltage Regulators, as well as 25V Adjustable Step-down Voltage Regulator
- Researching slip-rings & reset commands for cable management
- Adjusting thermal plan to include heating pads with mylar blankets for the flight computer & camera housings

IV) Plans for the Coming Month:

- Send out parts to DiCronite for lubrication application
- Integrate components as they arrive and continue with prototype testing
- Select team members to begin Tooling-U safety course required for students to be allowed to machine parts
- Continue to work with The Local Group Amateur Astronomers on the construction of the tracking telescope

V) Other Comments or Questions for HASP Management:

- None

VI) Team Composition and Organization:

Name	Start Date	End Date	Role/Academic Year	Race	Ethnicity	Gender	Disabled
Project Management							
Teresa Ciardi	Fall 2015	Present	Logistics & Science Faculty Advisor	White	N/A	Female	No
Greg Poteat	Winter 2016	Present	Machining Faculty Advisor	White	N/A	Male	No
Amy Foote	Fall 2015	Present	Recruitment MESA Director	White	N/A	Female	No
Melissa Rocha	Fall 2021	Present	Project Manager Undergrad	N/A	Hispanic	Female	Yes
Maranda Laws	Fall 2021	Present	Assistant Project Manager Undergrad	White	N/A	Female	No
Engineering Team							
Clarissa Zuo	Summer 2022	Present	Mechanical Lead High School/ Undergrad	Asian	N/A	Female	No
Derek Peraza	Summer 2022	Present	Electrical Lead Undergrad	N/A	Hispanic	Male	No
Drake Lovelady	Summer 2022	Present	Coding/Software Lead Undergrad	White	Hispanic	Male	No
Terry Guerrero	Fall 2021	Summer 2022	Mechanical Team Member Undergrad	White	Hispanic	Female	No
Miguel Paz	Fall 2022	Winter 2023	Mechanical Team Member Undergrad	N/A	Hispanic	Male	No
Isaiah Romero	Fall 2021	Present	Software Undergrad	N/A	Hispanic	Male	No
Marketing / Media							
Marni Kallestad	Winter 2022	Present	Marketing Lead Undergrad	White	Hispanic	Female	No
Gabriel Jimenez	Spring 2022	Fall 2023	Marketing Co-Lead Undergrad	N/A	Hispanic	Male	No
Tawshia Chowdury	Winter 2023	Present	Marketing Co-Lead Undergrad	Asian	N/A	Female	

Arely Castillo	Spring 2021	Present	Marketing/Media Team Member Undergrad	N/A	Hispanic	Female	No
Mentor Team							
Sarah Boyer	Fall 2021	Present	Mechanical/Electrical Mentor Undergrad	White	N/A	Female	Yes
Shawn Ford	Winter 2019	Present	Mechanical/Electrical/Software Mentor Undergrad	White	N/A	Male	No
Patrick Gagnon	Summer 2021	Present	Mechanical/Project Management Mentor Undergrad	White/African-American / Asian	N/A	Male	Yes
Daniel Larimer	Spring 2019	Present	Mechanical/Electrical Mentor Undergrad	White	N/A	Male	No
Andrew Nowakowski	Spring 2022	Present	Electrical/Software Mentor Bachelor's Business Management & Computer Science	White	N/A	Male	No
Svarun Soda	Fall 2021	Present	Software/Electrical Mentor Undergrad	White	N/A	Male	No
Consulting Team							
The Local Group Astronomy Club of Santa Clarita Valley, California							
Dave Flynn	Fall 2022	Present	Lead Engineering Consultant	White	N/A	Male	No
Glenn Basore	Fall 2022	Present	CAD design Consultant	White	N/A	Male	No
Abhishek Khanna	Fall 2022	Present	Astrophotography Consultant	Asian	N/A	Male	No
Robi Mukherjee	Fall 2022	Present	Mechanical Consultant	Asian	N/A	Male	Yes
Vahid Talaie	Fall 2022	Present	Software Consultant			Male	No