

## April 2014 HASP Monthly Report ASU - HAVEC

### 1) Issues encountered during payload design / development:

- Using one fixed DC-DC converter and one variable due to payload power requirements
- Housing design changed to incorporate hinge for ease of access
- Still awaiting delivery of tilt compass, heaters and cables

### 2) Activities of the team members:

- Camera calibration in progress
- Component mounting in progress
- Power system diagram being finalized
- Telemetry software being written
- Thermal management software awaiting testing

### 3) Milestones achieved:

- Aluminum housing constructed
- Tentative component placement determined
- Foamcore spacers constructed
- Camera calibration materials and software obtained

### 4) Evaluation of progress:

Our last shipment has still not arrived. Ordering and shipping took far longer than expected. This has put us behind schedule for the demonstration on May 8th to our advising board.

5) Current team members and leaders:

Demographic Legend: [Ethnicity] [Gender] [Age] [Major]

\*\* Some members did not feel comfortable disclosing all demographics

Advisor: Srikanth Saripalli <[Srikanth.Saripalli@asu.edu](mailto:Srikanth.Saripalli@asu.edu)>

Leader: Michael Mein <[mmein@asu.edu](mailto:mmein@asu.edu)> Arduino Interface

White Male 24 Astrophysics

Sepideh Jafarzadeh <[sjafarza@asu.edu](mailto:sjafarza@asu.edu)> Thermal Management

Persian Female 23 Earth & Space Exploration

Itxier Meziani <[imeziani@asu.edu](mailto:imeziani@asu.edu)> Orientation Detection

Female Earth & Space Exploration

Ahmet Deran <[Ahmet.Deran@asu.edu](mailto:Ahmet.Deran@asu.edu)> Power Distribution

Turkish. Male. 39.

Exploration Systems Design & Aerospace Engineering.

Michael Ayual <[Michael.Ayual@asu.edu](mailto:Michael.Ayual@asu.edu)> Data Storage

Male Earth & Space Exploration

Nicholas Aldana <[nickaldana@gmail.com](mailto:nickaldana@gmail.com)> Mechanical Design Position

Detection

White Male 27 System Design

Nicholas Knaus <[32lateralus@gmail.com](mailto:32lateralus@gmail.com)> Serial Communications

Male System Design

Weston Wands <[Weston.Wands@asu.edu](mailto:Weston.Wands@asu.edu)> Camera Operations

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