

Team Mahogany Weekly Status Report

Week of 2/12/17 (1)

Team

- Elyse Cooper, Kevin Dorosh, Ryan Stocking, Richard Preston

This Week

- Prepare materials for design review
- Research problem of retrieving still images from camera and transmitting in real time
- Meet with project sponsor
- Research into docker and it's compatibility with Electron
- Radiation image stitching doesn't play nicely with node-odm
 - Still debugging

Next Week

- Attempt to implement some proofs of concept for image retrieval and transmission
- Conduct design review
- Draft written content of SHP article
- Finalize storyboard and script for video
- Figure out image-stitching and radiation and size up scale of work

Team Mahogany Weekly Status Report

Week of 2/12/17 (2)

Long Term

- May need to rescope project following design review

Critical Obstacles

- We are having difficulty pulling still images off of the camera into the Arduino
- The limited packet size on the transmission module presents an interesting, but difficult challenge in sending/receiving image files
- Real-time image processing is proving more hardware-intensive than we anticipated
 - May explain why the focus has always been on post-flight processing

Risks/Contingencies

- As we start to implement our design, we will likely encounter unexpected problems. We need to be sure to allow enough time and resources to adapt to these challenges