

Accomplishments:

List any Project Accomplishments since your last Quad Chart

- Worked with Pierre on deciding what electrical components would be required for the project.
- Selected appropriate sensors for telemetry
- Selected wireless radios, microcontrollers, cameras, and other electronics.
- Compiled list of electronics parts with cost per item and links to purchase
- Selected PETG and TPU 3D printer filament for use in testing 3D printed airplane body
- Sent (some) parts to Rodrigo for purchase
- Looked into communications with sensors and wireless radio

Next Steps:

What are your next steps of design & development

- Research libraries for sensors and radio modules
- Set up GitHub repository for code
- Finish selecting the last few electronic components
- Start connecting sensors, radios, and controls to the microcontroller and testing them.
- Begin writing code to transmit data to and from the aircraft
- Test motors, ESCs, and battery
- Look into electronic ignition for rocket fuel tests

Key Disappointments/Challenges:

List and disappointments or road blocks that you are encountering

- Some sensors were out of stock and required finding alternatives
- Lack of datasheets for some parts was an issue
- We are still waiting for confirmation from Rodrigo that our parts have been ordered

Dependencies:

List any dependencies (material, resource or monetary) that may be affecting your progress

- We are waiting on Rodrigo to place the order for our first batch of parts. At this time we have no confirmation that parts have been ordered.