Weekly reports are to be emailed to atbecker@uh.edu by 5:00pm on Tuesdays. The purpose of a weekly report is to: (1) give you text and images for your papers, thesis, and dissertation, (2) document progress, (3) identify if you are stuck or need resources.

Weekly report

1. My Goals from last week

- Construct spacer to go in between the 2 aluminum meshes
- Redesign corner piece to fit 2 rods
- Have the corner piece be able to support the frame
- Put the full frame together

2. My Accomplishments this week

- a. Project 1: Mosquitos vs. Drones
 - deliverable 1. Spacer for aluminum
 - Created a grid like pattern to help space the meshes so they don't touch while flying the net
 - deliverable 2. Redesigning corner piece
 - o Added another hole for another fiber glass and added spacing for the corner of the frame to fit in
 - The corner of the frame can get screwed into the corner to help stabilize the frame

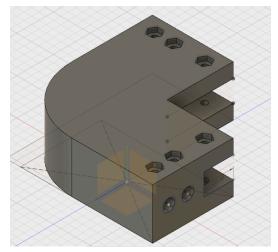


Figure 1: New corner piece design (2 holes, and opening for the frame)

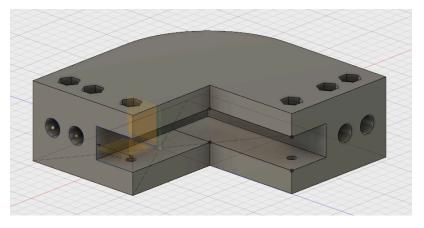


Figure 2: Inside view of the new corner piece (20 mm in depth for opening for the frame)

- deliverable 3. Putting the frames together
 - Put together using epoxy bonding solution. It's able to hold up pretty well, but the extra support from the corner piece should help keep it together at all times



Figure 3: Completed frame (without electrical work)

3. My Goals for next week

- 3D print all corner pieces and attach them on the frame
- Attach wires to be connected to the data logging circuit
- Prepare frame for flight tests, scheduled for Friday, July 15th
 - a. Meeting with Dr. Becker on July 12th at 3pm if available

4. What I need Dr. Becker to do:

a. A meeting time for writing the recommendation letter