

CanSat Meeting Notes

Yasha Duncan-Wilson

October 2, 2024

Miscellania

Present: Yasha, Ashley, Lewis, Lucas, Carlos, Murtaza, Nela, Tom
Apologies: Mary

Discussed

Camera

- Can we use 3 120° cameras and stitch the images in software afterwards?
- Spin the camera within the nosecone?
- Point the camera upwards and spin a mirror in the nosecone?
- Spin the whole CanSat?

Auto-Gyro

- Lukas expressed a strong opinion that we use off-the-shelf propellor blades
- Weight the tips of blades and use centripetal force to deploy with an initial spin?
- Use baffles to direct airflow into CanSat body to deploy blades?
- Use angled fins to start rotation?
- Spring-loaded blades to auto-deploy when jettison container?

Sensors

- | | |
|------------------------------|------------|
| • accel | • GPS |
| • gyro | • RTC? |
| • mag | • encoders |
| • barometric pressure sensor | • switches |
| • 2 cameras | • speaker |
| • temp | |

Further Business

Questions for Ivan

- What should the autogyro rotation rate be measured relative to?