

Testing and Positioning of Inertial Measuring Units

Background

- Full Solar Eclipse
- Ground Station
- IMU

Research in Question

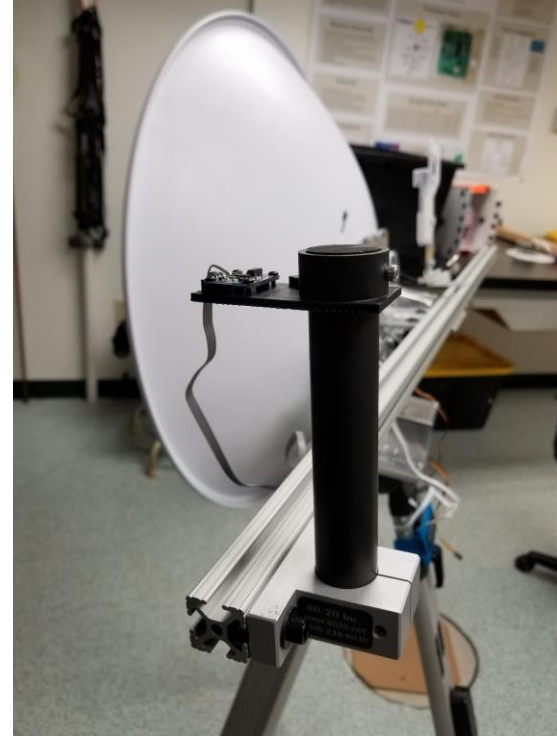
- ▶ Unit selection
- ▶ Interference from 80/20 bar
- ▶ Interference from Servo Motors

IMU Accuracy and Unit Selection

- ▶ Methods to determine accuracy of BNO055 IMU
- ▶ Unit Selection
- ▶ Test used to compare Units
- ▶ Results

Interference from 80/20 bar

- ▶ How was it discovered?
- ▶ Theoretical cause
- ▶ Code solution
- ▶ Mechanical solution
- ▶ Reasons for selection



Interference from Servo Motors

- ▶ How was it discovered?
- ▶ Theoretical cause
- ▶ Mechanical solution
- ▶ Results



Conclusion