

Team/Instructor Meeting

3/27/2018

Agenda: Team will check in with Dr. David Willy to reflect on progress on technical roles

Technical Goal: Solar Calculator

Team Members: Dakota Hanks, Trenton Black

Assembled and tested new prototype, reviewed how the code must be configured to calculate zenith and azimuth based on the new complex geometry.

Technical Goal: Positioning Axis

Team Members: Fahad Esmaeil

Worked on developing a position axis to determine orientation based on the solar calculations.

Technical Goal: Power Conversions and Requirements

Team Members: Andres Rodriguez

Digitized technical data from the IXYS spread sheet to model power output, and current of the cell based on Irradiance. Must work to determine what battery is preferable for the design.

Technical Goal: Clock Integration

Team Members: Esmael Abdullah, Trenton Black

Must determine if internal clock is needed for the project.

Dr. David Willy suggestions

- review with client
- look for how the atomic clock will affect the circuit of the Arduino
- look for how much accuracy is needed
- determine hardware /software solution