

The Solar Sailors

Meeting Minutes 10/19/2020

Attendance:

Steve Szablya (Sponsor)

Adriana Oliveira (Team Member)

Brady Jerome (Team Member)

Nickolas Borek (Team Member)

Meeting Log:

- Confirm ordering parts by Wednesday's meeting:
 - We receive Dr. J's word on funding
 - Lukas can confirm the DAC of Arduino
 - Steve says that he is still okay with spending a hundred or so.
- Brady will update price sheet to include thermopile and thermistor sensors
- Pyranometers that we have access to:
 - The school's thermopile pyranometer
 - The apogee silicon diode pyranometer (Steve will grab this over the weekend)
 - The silicon pyranometer from China: BGT-SR1 Solar radiation sensor
 - Produces a current output: 4-20mA
 - Data sheet in Discord
- 2411 connector can be used on all three for tests and verification
 - Asad will investigate logging function
 - We could vary the light intensity and see how each respond
 - Alternative: Rtech for logging.
- Nick has added an Excel data logger Arduino library.
- Nick has made a new design with two thermistors that can be built from scrap and tested.
- Steve shared how a pyranometer is mounted
- **Meet tomorrow at 1:45PM to work on Design Validation Plan (DVP)**