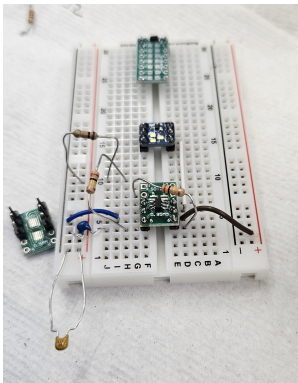# Updates

Blockers

- **Unable to access Orin due to moving**

Milestones Achieved
- Argus-2 Mainboard ordered - VR
- X/Y board solar panel circuitry debugged - VR, Haoen
- Recreating supply circuit on breadboard, testing functionality of USB Supply circuit - Varun
- Flashed custom Jetson Orin Nano Carrier Board with L4T - Neil
- Reflowed and Tested battery board, Battery protection works, I2C not work - VR, Haoran, Zhaonan
- Reflowed deployable - Leo
- HAL updated for Argus v1.1, mainboard components tested

Looking ahead
- Test MPPT dev board - VR, Haoen
- New USB Hub Board for single USB-Line - Varun
- Argus-1 Z+/- board reflow + testing - Haoran, Zhaonan
- Jetson carrier board validation - Varun and Sebastian
- DRV8235 driver testing - Freda
- Max17205 driver configuration - Haoran, Zhaonan
- Continue Battery board testing & debugging - VR, Haoran, Zhaonan
- X/Y board coil testing - VR, Leo
- Streamline drivers to reduce RAM usage - Perrin
- Fix weird i2c issues on HAL - Perrin

Interfaces

- *Mechanical:* **Validate STEPs of boards**
- *Comms/Ops:* **Confirm they have everything for Z- testing**

The CAN-Ban 🦅🦅

Backlog 23 / 5 (Estimate: 56.5)
This item hasn't been started

Draft
Debug/Design of Jetson Orin Carrier Board
4

Avionics-Cameraboard #5
Figure out RTC Setup for Camera Board
0.5

Avionics-Cameraboard #4
Layout Power, SD Card, USB Connection
1

Draft
Finish Layout of Board
2

Draft
Camera Board SW: uController Interface
4

Draft
Camera Board SW: Mainboard RTC Interface
2

Draft
Scout Star Trackers
2

Draft
Deep Sleep Jetson/Power Modes
5

Draft

Ready 1 (Estimate: 0)
This is ready to be picked up

Draft
DRV8235 Drivers

In progress 10 / 3 (Estimate: 49.5)
This is actively being worked on

Draft
GPU Power Study: 10/6/24
1

Draft
Update State Chart with GNC and Comms
3

Draft
Solar Panel board & Power Testing
15

Draft
Breadboard Power Circuit
M

Draft
RP2040 Mainboard
13

Draft
DRV8235 Driver
1.5

Draft
Software Bringup to Interface with OpenMV Camera
3

Draft
Finish Deployable Boards Reflow
3

Avionics-Cameraboard #8

In review 0 / 5 (Estimate: 0)
This item is in review

Done 14 (Estimate: 18.5)
This has been completed

Draft
LoRa Dev Boards

Draft
Deployable schematic and PCB Design

Draft
Argus-2 Battery Board
10

Draft
Flash L4T Onto Jetson Orin Nano Carrier Board
XL

Avionics-Cameraboard #2
Finish Overall Schematic of Camera Board
2

Avionics-Cameraboard #1
Finish Schematic with SD Card for Camera Board
0.5

Draft
Discuss with Mech about deployable layout
1

Draft
Finish PyCubed reflow

Avionics-Cameraboard #3
Layout STM/RAM Connection

+ Add item