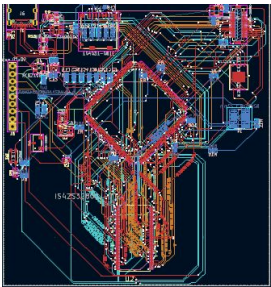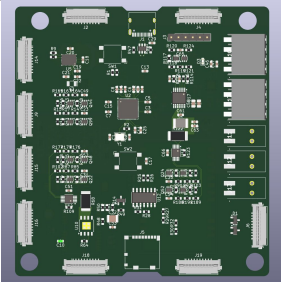# Updates

	Boot Average Power(mW)	Boot Time(s)	Boot Energy Consumption(mJ)	Execution Average Power(mW)	Execution Time(s)	Exexution Energy Consumption (mJ)	Total Energy Consumption (Wh)
Low Power Mode							
Orin Nano 8GB 7W (GUI)	7704.886734	131.1654399	1010614.858	7601.734347	361.5218088	2748192.751	1.044113225
Orin Nano 8GB Dev 7W (GUI)	7405.037213	78.56152323	581751.003	7698.835427	328.4000478	2528297.922	0.8639024793
Orin NX 16GB 10W (GUI)	9762.567927	67.01068119	654196.327	9409.212514	358.6316118	3374441.05	1.119065938
High Power Mode							
Orin Nano 8GB 15W (GUI)	8764.778801	64.74328156	567460.5417	10275.15882	217.2475799	2232253.387	0.7776983136
Orin Nano 8GB Dev 15W (GUI)	7715.419034	54.2467653	418536.5256	9060.959463	244.1522847	2212253.955	0.7307751334
Orin NX 16GB 25W (GUI)	10118.95126	60.77589629	614988.3321	12794.21726	179.9012141	2301695.22	0.8101898755

Blockers

- *GNC*: Solar Panel Simulation Data
- *GNC:* Star Tracker is lower priority, may take a month to get info.
- Waiting for PCB components and stencil arrivals for solar panel testing
- Busy for the midterms
- Accidentally burnt DRV8235 chip

Milestones Achieved

- Camera board laid out.
- Argus-2 1x RP2040 Main Board schematics
- ConOps meeting with all the teams to figure out the mission details
- Finished preliminary jetson power testing
- Can save images to SD card for OpenMV camera

Looking ahead

- Argus-2 1x RP2040 Main Board layout
- X/Y board testing
- Deployable board design
- Modifying/building state machines according to ConOps as we keep building it
- More Jetson power testing(Deep Sleep, no peripherals, etc)

Interfaces

- Seems like 2-Camera solution is nigh (1 camera, 1 star tracker).
- *GNC:* Solar panel sim data
- *GNC*: Reaction wheel power data
- *Mechanical*: Finalize solar panel config

The CAN-Ban 🦅🦅