

Concrete update with  
images/figures with captions

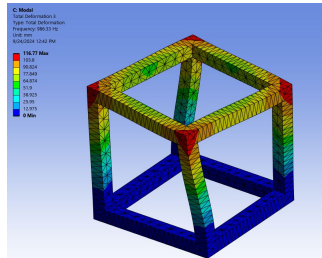
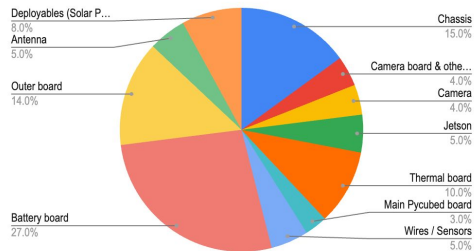
Team blockers and tasks those  
blockers are associated with  
Tech requirements,  
tools/software/etc needs

# TEMPLATE

Major milestones achieved  
What are we doing this week,  
which milestones those tasks are  
attached to  
Is everything on schedule?

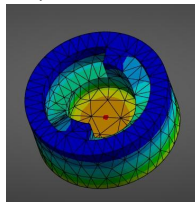
Cross-team issues and interfaces  
that require communication?  
Plan and timeline for  
communicating and merging team  
plans?

## Mass Budgets



Initial modal results well within parameters - room for extreme optimization

Criteria	Weight	Argus 3 Satellite			Rolling Vacuum Mech			Extending Linage Design	Portable Cube	Physically Assembled Designs	
Sketch											
Reliability (Down 1 fail)	3	0	0	-0.5	-0.5	-0.5		-0.5	-0.5		
Reliability	3	0	0	0	-0.5	-0.5		-1	-0.5		
Durability	1	0	0	0	0.5	-0.5		0	0		
Surface Area (Power)	3	0	0.5	1	1	0.5		-0.5	-1		
Adaptability to Dimensions	2	0	1	0	0	0		1	0		
Reduces Shading	2	0	-0.5	0	0.5	0.5		0.5	1	0.5	
Ease of Manufacture	2	0	0	0	-0.5	-0.5		-0.5	0.5		
Reduces Cost	1	0	0	0	-0.5	0		-0.5	0.5		
Reduces Space Taken Up on Cube	3	0	-0.5	-0.5	0.5	0.5		0.5	0.5		
Simplicity of deployment	2	0	0	0	-0.5	-0.5		-1	-0.5		
Net Score		0	1	0	-0.5	-1.5		-4	-3		



## Blockers:

- Chassis/internal boards: any changes to board size/layout from Argus-1

Prev. Milestones: Created a percentage-based mass budget

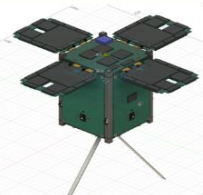
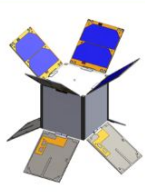
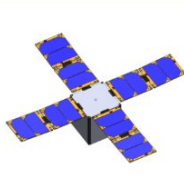
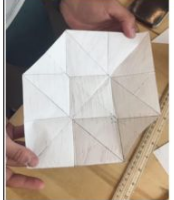

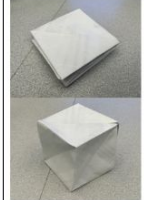
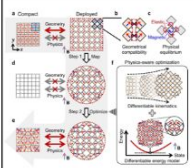
Next Milestones: Finalized deployables and total power

This week:

- Chassis & internal boards: continue prototyping and test designs with placeholder components
- Deployables: have designs + prototypes for hinges
- Simulation: initial assembly analysis

## Cross-team Interfaces:

- gnc: light sensors/pointing direction
- Vision : sizing of deployables

Criteria	Weight	Argus 1 Satellite			Folding Square Mesh	Extending Linkage Design	Foldable Cube	Physically Actuated Kirigami
Sketch								
Reliability (Doesn't fail)	3	0	0	-0.5	-0.5	-0.5	-0.5	-0.5
Robustness	3	0	0	0	-0.5	-0.5	-1	-0.5
Durability	1	0	0	0	0.5	-0.5	0	0
Surface Area (Power)	3	0	0.5	1	1	0.5	-0.5	-1
Adaptability to Directions	2	0	1	0	0	0	1	0
Reduces Shading	2	0	-0.5	0	0.5	0.5	1	0.5
Ease of Manufacture	2	0	0	0	-0.5	-0.5	-0.5	0.5
Reduces Cost	1	0	0	0	-0.5	0	-0.5	0.5
Reduces Space Taken Up on Cube	3	0	-0.5	-0.5	0.5	0.5	0.5	0.5
Simplicity of deployment	2	0	0	0	-0.5	-0.5	-1	-0.5
Net Score		0	1	0	0.5	-1.5	-4	-3

# Mass Budgets

