

November 26th GO/NO-GO Criteria

If these items are complete, we will proceed with booking travel for a January 18th launch.
If any one task is not complete, we will push the launch to either Spring Break or Summer.

- All parts are updated in the assembly, and are validated against manufactured part. Mass check of manufactured parts.
- Flight sim with above rocket shows stable throughout flight
- ~~2 Ground Tests Successful~~
- We have all parts necessary for launch rehearsal
- ~~Launch Procedures Ready for printing~~
 - Draft coming to teamleads 11/19

Avionics

- Shake test with telemetry and christmas tree lights
- ~~BBC assembled and tested~~
- ~~Cameras glued in if good idea. Then shake tested (Luka scared)~~
- ~~COTS altimeters need to be programmed (MARSA connector)~~
- ~~Need SD cards~~
- AV on the tower
- Pyxida logs and controls cameras

Composites

- Leading edges attached to two fin cans
- NC Machined
- Nose cone tip drawing. Step OD matches the NC as machined.
- ~~Nose cone washer drawing.~~
- **Drag fin can test jig completed. Destructive drag test of Rusty.**
- ~~Fin can #3 overwrap and fin preform ready~~
- ~~Ablative practice~~

Internal Structures

- ~~Avionics Tower prelim assembly~~
- ~~Payload Bulkhead 7075 Machined. Bolts must fit. Payload bolts must be tapped.~~
- ~~LE Prints started.~~ Prints required by launch rehearsal.
- **LE procedure.**
- LE holes in FRR drawing.
- FRR Machined with LE holes
- ~~MP tube machined.~~

- Drawing for NC attachment. Max does it tonight.
- NC and FC transition drawings

Payload

- ~~Order Electronics~~
 - Complete as of yesterday evening (11/11/2019) -jm (Dominic DiMaggio is helping acquire RTDs)
- ~~Payload Stack complete~~
 - The Hermes 2/3 payload stack parts are cut and sitting in the Milkdrop Lab -jm
- ~~Full inventory, checklist of parts, and integration docs~~
 - Integration docs need review -jm
- Full wiring test with AV tower & bulkhead
 - Not done yet, AV tower and bulkhead folks can reach out to me to discuss this, perhaps this coming weekend (wrote 11/12/2019) -jm
 - Still not done, need to talk with people who are involved in the slight changes to the payload bulkhead -jm
- Oven Test
 - I have access to an oven at work, need to flash boards first, which needs a programmer -jm
 - Still need a programmer. I reached out to Luka and met with Dennis in-digital and in-person but still need something I can use to program the boards. -jm
- Other tests
 - First I will need access to a programmer -jm
 - Still need a programmer -jm
- Payload stack on the shake test
 - Is there a shaker I can use? -jm

Propulsion

- ~~Flight motor drawings complete~~
- Nozzle Glued Up
 - Waiting on hardware
- ~~All materials for grains in prop shop~~
 - Complete

Recovery

- ~~Soft goods are complete~~
- ~~Cup, diaphragm, and piston assembly are complete~~
- ~~Piston test complete~~

Explicitly Not Go No-Go

- NC and FC Transitions
- Thermocouples attached to NC
- NC coated with ablative
- NC attachment machined
- Grains Mixed
- Fin can #2 completed (or soon to be like before December)
- Drop Test
- **Lift fin can test jig plan to be tested by a week after go no-go.**