

Payloads



Dallas, Russell, Amir, Paul

Inserting A GoPro into the Rocket

- The name says it all: Insert GoPro into the rocket so it films the outside world during flight
- Easy to make
- Relatively inexpensive



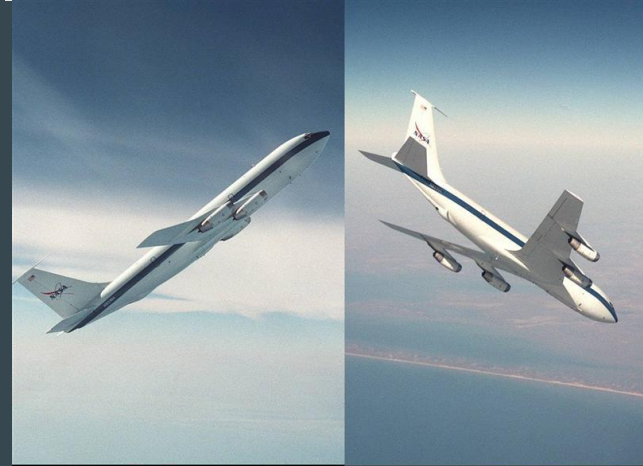
GPS Data Recorder

- The plan is to add a GPS data recorder into the rocket. This can be used to track the vertical and horizontal trajectory of the rocket.
- Easy to get. They sell hiking GPS units and watches that records this kind of data.



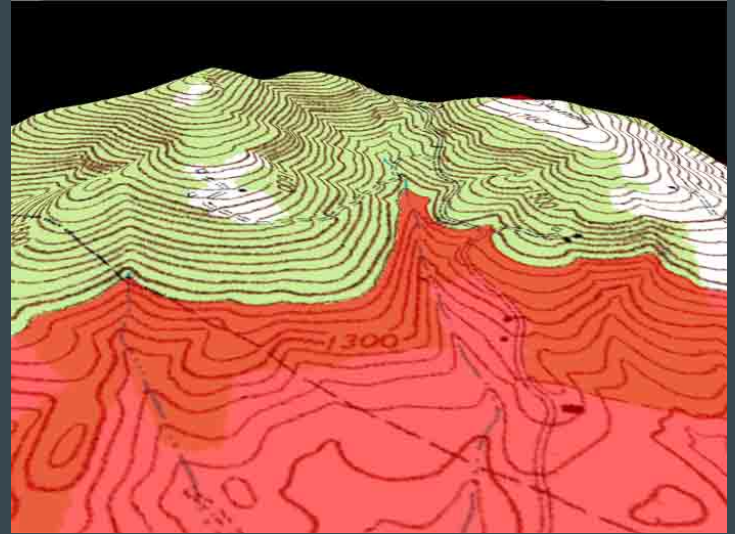
Zero Gravity in a Tube!!!

- During Deceleration, objects will experience near weightlessness.
- Our plan is to use a GoPro to film random objects (like legos) under reduced gravity.
- NASA does this with a plane



Aerial Contour Mapping

- Determine the contour of the landing zone from 10,000feet
 - Utilize GoPro & Distance Sensors
 - Create Program for contouring



Compact Collapsible Glider

- Ability to unfold from a cylindrical tube
- Minimal Control Surfaces
- Glide to target area
 - GPS Waypoint

