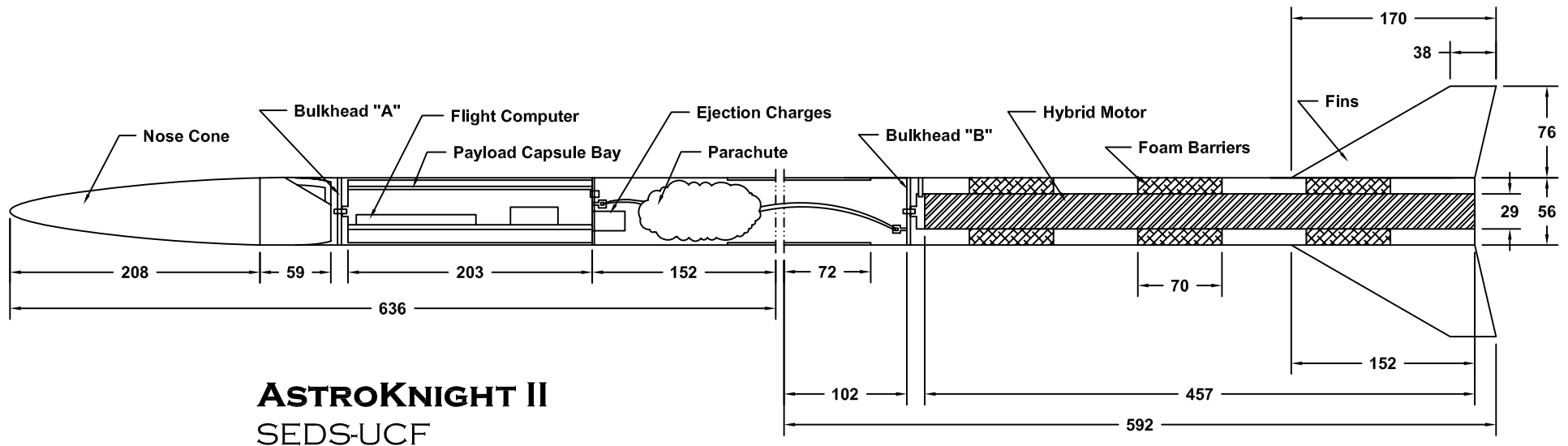


2007-08 FLORIDA SPACE GRANT HYBRID ROCKET COMPETITION



Part Specifications:

Hybrid Motor

- RATTworks H70 Hybrid Motor
- Average Thrust: 15.4 lbs. (68.5 N)
- Peak Thrust: 34.5 lbs. (153.5 N)
- I(sp): 167.3 sec.
- Burn Time: 2.57 sec.
- Weight (Empty): 207.5 g
- Weight (Loaded w/o N2O): 251.5 g
- Weight (Loaded w/ N2O): 352.7 g
- N2O Weight (750 PSI): 0.223 lbs. (101.2 g)
- Tank Volume: 8.29ci (135.8cc)

Flight Computer

- Ozark ARTS2 Flight Computer
- Accelerometer & Barometric Sensors
- Two fully configurable pyro channels
- Used for chute deployment
- 82 sec rec. time at 200 Samples/Sec
- Realtime Altitude, Velocity, GPS pos

Body Tube

- Apogee BT-70 Body Tubes
- Apogee AC-56A Airframe Couplers

Nose Cone

- Apogee PNC-56A Blow Molded Nose Cone
- Material: Styrene
- Fits BT-70 Size Body Tube
- Weight: approximately 54.5 grams

Fins

- Apogee Rising Star Balsa Fins

Parachute

- Aerocon 36" Chute

All dimensions in millimeters

Michael P. Green
ver. 2.1