

Post 1010 Rocketry Project

Lessons from TARC 2013

The Good

- All rockets survived, we didn't lose any.
- Egg packing worked well, we had now cracked eggs from flights.
- Lunch process, we were able to get many launches off in a short time.
- All teams had two rockets, their initial rocket, and a refined second model.

The Bad

- Not enough testing
- Lost launch days due to weather.
- Copper heads worked better than the package igniters, maybe.
- Ejection charge variance (8sec – 11sec).
- NARHAMS Range Safety Officer is not very safe, launched our rocket when we were setting it up, also launched our rocket for a qualification with no timers.
- We never got control of the parachute descent. We tried to eliminate the oscillation with spill holes and extended shrouds lines but could not achieve consistency.

Next Year

- More test launches.
- We need to make even more rockets.
- Look for better motors with consistent ejection charges.