

# Syracuse Rocket Club

## September 21, 2019

### 1/2A Glider Duration

1. The contestant whose glider achieves the longest duration for a single flight is the winner. Duration is timed from the time of rocket liftoff to the time that the glider touches the ground or goes out of sight of the timers.
2. Contestants may fly Boost Gliders (gliders that separate from the booster rocket) or rocket gliders (rockets that remain in one piece, but convert from boost mode to glide mode during the flight). Boost Gliders must recover the rocket motor as a part of the booster with a recovery device. Models designed to eject the rocket motor are not allowed.
3. Up to two official flights may be flown by each contestant.
4. The glider portion of the model must be returned to the judges for the flight to qualify.
5. Motor impulse may not exceed a single 1/2A motor.

### B Streamer Duration Contest

1. The contestant whose rocket achieves the longest duration for a single flight is the winner. Duration is timed from the time of rocket liftoff to the time that the rocket touches the ground or goes out of sight of the timers.
2. Up to two official flights may be flown by each contestant.
3. The model must return as one unit and may not separate into multiple pieces for recovery. Separation will result in disqualification. Minor repairable damage such as cracked fins or a body tube zipper will not cause disqualification. Complete separation of nose cone, shock cord, recovery streamer, or fins will result in disqualification. Motor ejection will result in disqualification.
4. The recovery device must be one or more streamers.
5. Motor impulse may not exceed a single B (5.0 Newton-seconds).