

# Syracuse Rocket Club

May 18, 2019

## A Cluster Duration Contest

1. The contestant whose model 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 may be streamer or parachute.
5. The rocket must be powered by a single stage cluster of three (3) A motors.

## 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).