

Syracuse Rocket Club

August 19, 2017

A-Impulse Helicopter Duration Contest

1. The contestant whose helicopter 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. The entire model must be returned by helicopter recovery. No portion of the model may separate, and the engine may not eject from the model.
3. Up to two official flights may be flown by each contestant.
4. The entire model must be returned to the judges for the flight to qualify.
5. Motor impulse may not exceed a single A motor (2.5 Newton-seconds).

Target Duration Contest

1. The target duration is 30 seconds. The contestant whose score is closest to the target of 30 seconds will be the winner. Scores will be recorded to the nearest 0.1 seconds.
2. Only one official flight may be flown by each contestant.
3. The model must return as one unit and may not separate into multiple pieces for recovery. Separation including loss of a fin or other major component will result in disqualification.
4. Any recovery method allowable under the NAR safety code and these contest rules is acceptable.
5. Any motor approved for NAR launches that will not cause the rocket to exceed 3200' AGL is acceptable.