

# Syracuse Rocket Club

August 20, 2016

## B-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 three 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 B motor (5.0 Newton-seconds).

## B Streamer Spot Landing

1. The winner will be the contestant whose nose cone lands closest to a target point on the ground set by the contest officials.
2. The rocket must use a streamer recovery system.
3. The rocket must return to the ground in one piece. Separation of the nosecone, streamer or body tube from one another will result in disqualification of that flight.
4. Up to three official flights may be flown by each contestant. The contestant's score will be the best single score from one of the three flights.
5. Different model rockets may be used for each qualification flight.
6. A flight must be declared as a contest flight before the flight begins by so indicating on the flight card.
7. The motor used must each be a B or higher impulse motor.