

Syracuse Rocket Club

June 15, 2019

Two Stage Spot Landing

1. The winner will be the contestant whose nose cone on the upper stage of a two stage rocket lands closest to a target point on the ground set by the contest officials. If the rocket does not have a nose cone, the distance will be measured from the top end of the upper stage body tube.
2. The upper stage of the rocket must return to the ground in one piece. Separation of the nosecone or body tube from one another will result in disqualification of that flight.
3. Up to two official flights may be flown by each contestant. The contestant's score will be the best single score from one flight.
4. Each motor used must each be an A (5 N-sec) or higher impulse motor.
5. If the second stage motor does not ignite, the flight will be a disqualification and use one of the two possible qualification flights.

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).