

Syracuse Rocket Club

July 20, 2019

Lunar Spot Landing

1. The winner will be the contestant whose nose cone lands closest to the Sea of Tranquility target point on the lunar surface map placed on the ground by the contest officials.
2. 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. The motor used must be an A (5 N-sec) or higher impulse motor.
5. The recovery device may be streamer or parachute.

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).