

Syracuse Rocket Club

July 22, 2017

D Parachute Dual Egg Loft Duration Contest

1. The contestant whose model achieves the longest duration for a single flight is the winner.
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.
4. No material may be affixed to the eggs (e.g., glue or tape).
5. The Safety Check Officer or other official will provide the eggs to each contestant presenting his/her entry for pre-launch safety check. Each egg shall be numbered, and the egg numbers shall be recorded on the contestant's flight card.
6. Following the flight, the contestant shall present his/her entry as recovered and, in the presence of an official, shall remove both eggs. The official shall determine the extent of damage to the eggs. If the official cannot examine the eggs, the entry will be disqualified. If the contestant removes the egg in the absence of officials, or breaks the egg in the process of removing it from the model, the entry shall be disqualified. If the shell of the egg is broken or cracked, the entry shall be disqualified. Any model that cannot be returned to the officials shall be disqualified. No catching of models is allowed for official flights.
7. Motor impulse may not exceed a single D (20 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.