



LUNAR'clips 2013

Livermore Unit of the National Association of Rocketry

Volume 20, Number 1

January-February 2013



Ryan Coleman NAR #59361 LUNAR #1672 LUNAR-FUN-4 December 2012 and - January 2013

We had a lot of fun at LUNAR-FUN-4, held in December and January at Snow Ranch! In December, the fog was in for most of the day, so very few flights were made, but some crazy people flew spot landing when they couldn't see the spot from the launch pads! Later the fog lifted and a few duration flights were flown.



Rocket Families: Reese, Kira (hiding!), Cody and dad Michael Tran, with Tracker Andy and dad Tom Desmarais in the background, while Ryan does paperwork.

January was a more beautiful day for flying, so we set up trackers and got all of our tracked flights in. The Set Altitude goal was 160 meters (528 feet), so all of those flights also

qualified for the LUNAR 1/10 Mile Wall. Cody Tran was first in A division (and beat his dad!) at 133m with a kit-bashed Estes Gold Strike/Chrome Dome on a C6-3 and Reese Tran was second. Wes Freeman was first in C division at 148m with his LOC Ezi-65 on a G53FJ-5, while Tom Desmarais was second and Michael Tran placed third. However, no one challenged Tim & Eric Robinson's 1/10th mile record of 506 ft set on 6/23/12.

We also flew 1/2A Altitude. This event sounds simple, but is very challenging to put a rocket powered by a single 1/2A motor as high as you can. In A division, Kira beat out her brothers by a few meters, she even tied her dad Michael flying in C Division! In C Division, Jim Bassham won top honors with a rocket made from blackshaft tubing and a nice piston start. Ryan Coleman and Tom Desmarais flew 1/2A Streamer models to okay results. Jack Hagerty attempted to fly a 40 year old Estes Mosquito in the event, but in 1/2A Altitude you can't eject a motor 'bare' without a recovery device of some sort. Jack attempted to tie/tape the motor to a piece of string taped to the model, which unfortunately broke. After finding the 40 year old model, Jack decided not to risk it to fly again.



<Jack, hiding behind the shades

Jim Bassham and Tom Desmarais deserve extra honors for tracking every flight, with an almost perfect record of tracks closed!

In Open Spot Landing A Division, Reese Tran edged out his siblings and Aidan Wise. All flew kits and the wind/fog made it challenging. Ryan Coleman won C Division with a distance of just 2 meters, made in the fog when you couldn't see the spot from the launch pads. Jim Bassham scored 8 meters, also in the fog. Many C Division entrants misjudged the wind, the fog, or their own model and scored about 50 meters or "FAR".

In Predicted Duration, the goal is to keep your model in the air exactly as long as you predict, but you must predict 30 seconds or more. Kira again beat out her siblings, with a 20% accuracy guess off 48 seconds. Kevin Wise rounded out the entrants with a 48% accuracy guess off 55 seconds. Things were much more heated in C Division, with Jim Bassham scoring 2.08% error ahead of Ryan Coleman scoring 2.7% error. Michael Tran scored 16%, besting all his children but not quite besting the ridiculously low scores of the other C Division entrants.

1/8A Parachute Duration Multi-Round is a strange event, it requires deploying a parachute out of a model powered by a