



Launch Reports

Statistics by Jack Hagerty, LUNAR #2, NAR #55105

Editor's note: many folks post photos to the picture gallery. You can find the gallery by clicking "Gallery" on the left side of the LUNAR website main page (<http://www.lunar.org>), or directly from <http://lunar.mtrad.com/gallery>. Some of my favorites are printed here, but many more are available online – maybe even a picture of your rocket. Or maybe you could post a picture of someone's rocket?

March 14, Snow Ranch

From Jack Hagerty:

Hey! I finally made it to a launch!

It was a little light, but right in line with the other SR launches this year. The weather was perfect except for a breeze that would kick up occasionally to about 10 Kts, but then it dropped right back to zero.

The highlight of the day was Gene Engelgau's L3 cert flight. Just for comparison, more impulse was expended in that one flight than in all the flights from both Ames launches so far this year combined! The neatest flight for me (because I got to push the button!) was Cliff Sojourner's dual foam glider rocket that launched from the mid-power pads. That's on the big side for foam gliders (they had a wingspan of nearly a foot) and one of them landed right at the range head!

This launch was definitely skewed towards the high end with not a single fractional-A flight (the first time that's ever happened, I believe). There were also a large number of cluster/staged flights including two full-boat Commanche-3's (D-C-C) and an 8-D cluster scratch built.



Total Flights:	163	
Motors consumed:	202	
Total Impulse expended:	36,692 - A high range "O"	
Total Fliers:	102	
Average Impulse		
Per motor:	181.6 - A low range "H"	
Per flight:	225.1 - A low range "H"	
Safety Statistics:		
Total Flights:	163	100.0%
Successful:	151	92.6%
Motor Failure:	2	1.2%
Unstable:	3	1.8%
Recovery Failure:	7	4.3%

Photos on pages 5 & 6 by David Flournoy: