



LUNAR'clips 2013

Livermore Unit of the National Association of Rocketry

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OK, here are the numbers from February 2nd:

Total Flights:	306	
Motors consumed:	330	
Total Impulse expended:	56,117	- A low-range "P"
Total Fliers:	171	
Average Impulse		
Per motor:	171.1	- A low-range "H"
Per flight:	184.6	- A low-range "H"
Safety Statistics:		
Total Flights:	306	100.0%
Successful:	286	93.5%
Motor Failure:	4	1.3%
Unstable:	3	1.0%
Recovery Failure:	13	4.2%

February 16th NASA AMES

So what do we do for an encore after launching 2,000,000 Ns?

How about hosting swarms of rocketeers at NASA AMES two weeks later??

- **9 TARC teams with 87 people!**
- **88 Scouts**
- **A bunch of TGIF'ers!**
- And the normal bunch of LUNARTics (if LUNARTics can be called normal)!

For a total of 525 people. (Several groups were assigned specific staggered times to attend so that we could stay under our 350-person limit)

So here are the numbers:

Total Flights:	434	
Motors consumed:	439	
Total Impulse expended:	4,933	- A high-range "L"
Total Fliers:	525	
Average Impulse		
Per motor:	11.2	- A low-range "D"
Per flight:	11.4	- A low-range "D"
Safety Statistics:		
Total Flights:	434	100.0%
Successful:	424	97.7%
Motor Failure:	2	0.5%
Unstable:	2	0.5%
Recovery Failure:	6	1.4%

That's right:

Four hundred and thirty four flights!!

All the clip boards are full and kids are lined up ready to launch their rockets. Now it's time for Tony to work his magic!



And here are a couple of the TARC teams readying their rockets for launch:

