



SOUTHWEST OHIO ROCKETRY ASSOCIATION (SORA)

LAUNCH REPORT AUGUST 9, 2026

10:00AM TO 2:00PM NAR SECTION #624

Launch Conditions: partially cloudy skies, temps in high 80s, wind 5-8mph

Total Number of Launches: 20 **Rockets Recovered:** 20 **Lost:** 0 **Found Rocket (not launched today):** 0

Total Number of 100% Fully Successful Flights: 20 **Success Rate:** 100%

Number of Individuals Who Launched Their Rockets: 6 **Number of Family/Friends/Observers:** 4

Number of First-Time flyers: 0

Teams and Competitions: 0 **NARTREK:** 0

Scouts/Home School/4-H Groups: 0

Types and Number of Motors: 21 total

Micro	1/4A	1/2A	A	B	C	D	E	F	G
0	0	0	1	4	11	0	2	2	1

2-motor clustered rocket	0		Two-stage rocket	1
3-motor clustered rocket	0		Three-stage rocket	0
Other: 0				

Total Impulse: 399.5N-s for low/mid power July launch had 686.5 N-s Total Impulse.

(Note: the mid-point of each impulse range for a motor class is used)

Year To Date Total Impulse: 2354.6N-s

Failures: 0 total Excellent job everyone!

Ground Fires: 0 **Damage to vehicles/facilities:** 0 **Medical Incidents:** 0

FINANCES:

ITEM	COST EACH	# PURCHASED	TOTAL INCOME
Straight out donations	NA	2	\$2
t-shirts	\$15	1	\$15
Polo shirts	\$30	0	\$0
Baseball Caps	\$14	0	\$0
Food and Drinks	\$1	9	\$9
Stickers	\$0.25	0	\$0
Mugs	\$10	1	\$10
New/Renew Memberships	\$5	2	\$10
TOTAL			\$44

Rocket Topics and Issues:

1. It was a great day for flying with 20 launches by 6 rocketeers. We set up Robb's big canopy which created a nice meeting space for rocketeers to chill out, relax, chat, answer rocketry questions, and enjoy the launch.
2. Two new rocketeers joined the club – Timothy Baker and Aaron Quick. Welcome!
3. **BIG NEWS!** Sunday's launch was the first time in the recorded history of the club that we had a **100% SUCCESS RATE** of launching, flight, and recovery. Well done!
4. Tim wowed us with two launches of his NCR Archer XL rocket. Not only was it beautifully crafted and painted but it flew perfectly first on a F67-4W and then on a G74-4W. Altitudes achieved were 263 feet and 394 feet. Now, on to "H" motors up at Cedarville!
5. Four flights used altimeters and two flights used a Jolly Logic Chute Release. Nice to see people boosting up their engineering skills and knowledge. Science loves data.
6. Harold was the most prolific launcher with 10 flights! All scratch built.
7. We began the low/mid-power safety officer training program with Gary as the first trainee. Revisions needed to the certification document were identified and Rick will adjust the form.
8. Rick flew his two-stage Dynastar Aerodactyl on a F15-0 going to a E16-8. The booster worked exactly as designed and the second stage took the flight to 1142 feet.
9. Thanks to Robb for running Launch Control and Range Safety.

Next meeting: Tuesday September 1th at 6:00PM - 7:30PM. Lebanon Library lower level meeting room.

Next Launch: Sunday September 6th, 2026. Meet at Hisey Park. Setup 9:30AM, launch 11:00AM

Please remember to renew your SORA membership for 2026. It's a great club!

Also, please renew your membership to NAR!



Tim and his Archer XL



Harold's scratch built rocket liftoff.



Robb as Launch Control and Safety Officer



Prepping for launch



Square tubes?????



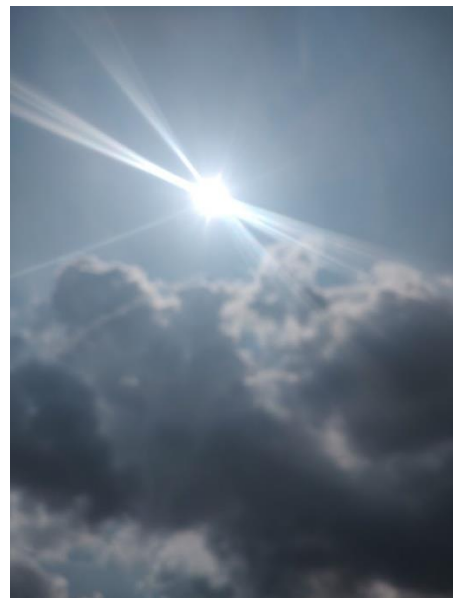
Tim out at the HPR pad



Rainbow of rockets



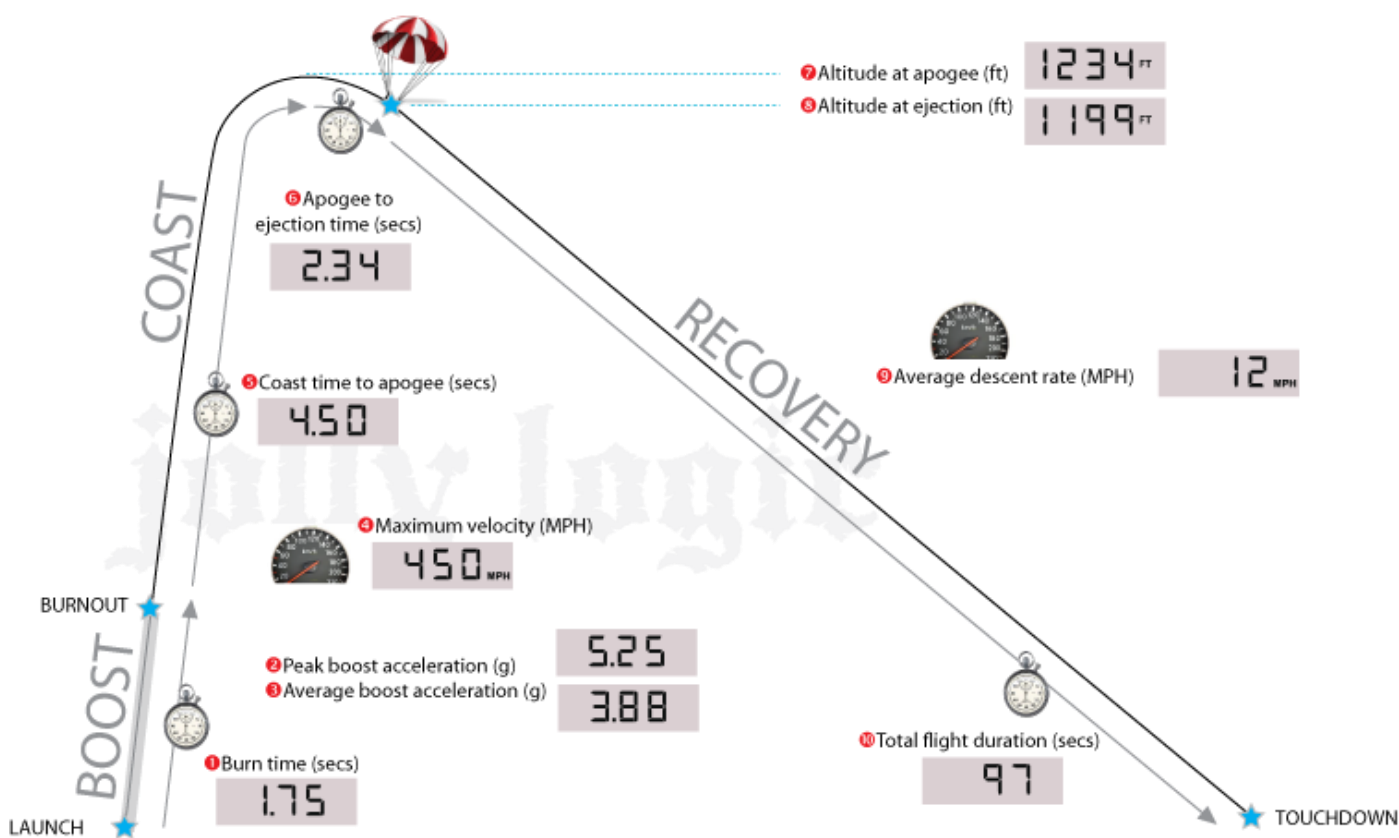
Liftoff!



Does anybody see the rocket???? Anybody???

FUN FACT: Altimeter 2

The Jolly Logic Altimeter 2 is an excellent way for rocketeers to begin their use of electronics in rocketry. It is extremely easy to use, easy to read LCD screen, single button control, rechargeable, extremely rugged, easily attaches to nosecones/body tubes/Ebays, records data from 500 flights (data can be cleared), and records an amazing amount of data based on speed, time, acceleration, altitude etc. It is certified for use in ARC and NAR competitions. The one-time cost is \$80. Below is an example graphic of what the altimeter records.



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The Club's Motto....."Sapientia ducet ad astra" – "Wisdom leads to the stars!"