



# SOUTHWEST OHIO ROCKETRY ASSOCIATION (SORA)

## LAUNCH REPORT DECEMBER 08, 2024

### 11:00AM TO 4:00PM NAR SECTION #624

**Launch Conditions:** Clear blue skies, temperatures low-mid 60s, wind to 20mph

**Total Number of Launches:** 22      **Rockets Recovered:** 22      **Lost:** 0      **Found Rocket (not launched):** 0

**Total Number of 100% Fully Successful Flights:** 19      **Success Rate:** 90%

**Failure modes:** 3, motor ejection cap failure, parachute not deployed, ejection delay too long

**Number of Individuals Who Launched Their Rockets:** 9      **Number of Family/Friends/Observers:** 4

**Teams and Competitions:** 0      **NARTREK:** 0      **Scouts/Home School/4-H:** 0

**Types and Number of Motors:** 22 total

1/4A: 0    1/2A: 1    A:7    B:2    C:9    D: 1    E:2    F:0    G: 0    H: 0    I: 0    Higher: 0

**Ground Fires:** 0      **Damage to vehicles/facilities:** 0      **Medical Incidents:** 1 Rocketeer cut his finger with Exacto knife while working on rocket in back of truck. We used the official first aid kit for the first time this year. Gauze and first aid tape fixed the wound.

**Donations and drink/food sale, sale of merchandise:**

straight out donations:	\$1.00	t-shirts: 1 at \$20 =	\$0.0
mugs: 0 at \$10 =	\$0	stickers: 0 at \$0.25 =	\$0.0
food and drinks: 0 at \$1ea =	\$0	new memberships 0 @\$5 =	\$0.0

**Total: \$1.00 (ouch. This is low for donations!)**

**Rocket Topics and Issues:**

1. It was windy day but a hearty group of rocketeers showed up. Lee and Jay Berry, and Dave Combs from ERockets showed up. Lee who owns Merlin Missile Works brought his van of rocketry supplies which is always well appreciated.
2. We have a new rocketeer – Oliver Starkey who launched his first ever rocket. Well done!
3. Jay wowed the crowd with his well-balanced Slide Wing Glider with a perfect flight.

4. Motor failures continue. Not sure what is going on with Estes. This time, the ceramic end cap of a C6-5 failure to rupture and the rocket augured in. At least, motor failures can be reported back to Estes and they will reimburse the owner with a replacement rocket and pack of motors of the same impulse.
  
5. Thanks to Robb for running Range Safety and launch control!

**Next meeting:** Tuesday January 07 2025, meet at Lebanon Library 6:30PM  
**Next Launch:** Sunday, January 12 2025, Hisey Park

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



Robb as Range Safety Officer keeping track of the rockets in flight



**Rick's MadCow V2**



**Great paint jobs!**



**Jay's glider**



**Foam Gliders and Mini-Landers, Oh my!**



Absolutely perfect!



Jay's rocket retrieval high performance RC car on the move



Another V2 ready to go



What would Launch Day be without a rocket landing in a tree?

## FUN FACTS: Rocket Clubs nearby....

Did you know there are a variety of rocket clubs in Ohio and nearby West Virginia?  
Check out the map!

