



SOUTHWEST OHIO ROCKETRY ASSOCIATION (SORA)

LAUNCH REPORT APRIL 10, 2022

11:00am TO 5:00PM NAR SECTION #624

Launch Conditions: Clear skies, winds gusts to 6 mph, temperature: mid 50s0s

Total Number of Launches: 53 **Rockets Recovered:** 55 (found two extra rockets in the weeds plus one that was too high up in a tree to recover)

Total Number of 100% Fully Successful Flights (excluding simple fin breaks on landing, etc.): 45

Success Rate: 85%

Number of Individuals Who Launched Their Rockets: 11 **Number of Family/Friends/Observers:** 6

Teams and Competitions: 1. NARTREK Bronze, streamer duration prototype

Types and Number of Motors: 56 total

A: 14 B: 21 C: 11 D: 5 E: 2 F: 3 G: 0 H: 0 I: 0 Higher: 0

There were three dual engine launches and one two stage launches.

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

Donations and drink/food sale, sale of merchandise:

straight out donations: \$24.75

t-shirts: 2@\$20 each =\$40

mugs: 0

stickers: 1@\$0.25 = \$0.25

food and drinks: 15@\$0.75 = \$16

Total: \$ 81.00

Rocket Topics and Issues:

1. Great day for a launch. Beautiful weather and a great crowd of happy rocketeers.
2. The Club assisted with a SuperSaturday rocketry group. Lots of unique rockets had been built and were successfully flown. Great job!
3. Launched our first NARTREK competition. Rick flew a streamer duration prototype which passed criteria of >30 seconds aloft. Will build the official rocket for next month.
4. Arnow had several great flights with the first dual motor/dual body tube rocket of the year. "Musketeer"
5. Had six parachute failures (no ejection from body tube, Jolly Logic electronic chute release system did not release in time, no inflations) and one two stage rocket where the second stage engine did not ignite. Lower stage ejection drove the upper stage motor assemble forward but engine did not ignite. Mercury 7 conning tower destroyed when nosecone ejected (probably hit side of rocket)

6. Rick flew his Apogee Snarky on some old Econojet F21-6W engines. Engines were six years old and chuffed multiple times before finally igniting properly adding some nervous anticipation and final excitement.
7. Robb conducted our first drag race with Estes Nike Smoke verses Atomic Sky. Nike Smoke won.

Next meeting: Tuesday May 3, meet at Lebanon Library.

Next Launch: Sunday, May 8th, Hisey Park

Next Rocket Build: ????????

Next SORA launch: Hisey Park, May 6, 2022 1-4 PM



Jeremy's RipRoar



Rick's Snarky on F21-6W Econojet



Beautiful rocket!



Arnow and his Musk-eteer dual tube rocket



Mid-power launch



Snarky on F21-6W

Parting words.....*“Sapientia ducet ad astra”* – Wisdom/Knowledge leads to the stars