



SOUTHWEST OHIO ROCKETRY ASSOCIATION (SORA)

LAUNCH REPORT JULY 12, 2026

10:30AM TO 4:00PM NAR SECTION #624

Launch Conditions: partially cloudy skies, temps in low 80s, wind 0-6mph

Total Number of Launches: 55 **Rockets Recovered:** 55 **Lost:** 0 **Found Rocket (not launched today):** 0

Total Number of 100% Fully Successful Flights: 46 **Success Rate:** 89.1%

Number of Individuals Who Launched Their Rockets: 11 **Number of Family/Friends/Observers:** 5

Number of First-Time flyers: 0

Teams and Competitions: 0 **NARTREK:** 2 Senior Silver

Scouts/Home School/4-H Groups: 0

Types and Number of Motors: 58 total

Micro	1/4A	1/2A	A	B	C	D	E	F	G
0	0	0	10	10	22	5	3	5	0

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

Total Impulse: 686.5N-s for low/mid power

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

(May launch had 559N-s Total Impulse). There was no June launch due to bad weather on multiple weekends.

Year To Date Total Impulse: 1955N-s

Failures: 6 total 1 chute failed to unfurl after ejection, 1 did not eject, 1 motor ejection, 1 CATO, 2 unstable flights (Cg/Cp issue)

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

FINANCES:

ITEM	COST EACH	# PURCHASED	TOTAL INCOME
Straight out donations	NA	-	\$33
t-shirts	\$20	0	\$0
Polo shirts	\$30	0	\$0
Baseball Caps	\$14	0	\$0
Food and Drinks	\$1	17	\$17
Stickers	\$0.25	0	\$0
Mugs	\$10	0	\$0
New/Renew Memberships	\$5	1	\$5
TOTAL			\$55

Rocket Topics and Issues:

1. It was a great day for flying with 55 launches by 11 rocketeers. We surpassed our highest amount of Total Impulse for a single day for the year with 686 Newton Seconds. This was boosted by Dave flying multiple E and F motors. Thanks, Dave!
2. Josie successfully launched a beautifully colored umbrella rocket. The rocket inverted itself after the delay charge, and explosive charges went off and gracefully landed on the ground. Impressive!
3. Gary successfully completed two NARTREK Silver Level scale model Bull Pup. He was able to still use previous NARTREK rules with permission from NAR. The model was a nearly perfect scale model and flew perfectly. Well done!
4. Please remember to fill out the flight cards. There were **10 cards** missing at least one piece of information needed when we input the data into the database. Please don't use abbreviations and please write legibly!
5. Rick's Madcow Momba lived up to the disease by deciding to find the only power lines anywhere near the field. As the rocket body/chute/nosecone were touching both the live line and the neutral line, it needed to be removed. The safety team contacted AES (Dayton Power and Light) who sent out a lineman with a bucket truck. The lineman was great and was able to bring the rocket down undamaged.
6. Rick's Interceptor, using a reloadable "C" motor, decided to take a break from launching and refused to head into the stratosphere. The igniter burned but the motor wouldn't light. The motor was old so that may have been the problem. We need to work more with reloadables. Will try again next month.
7. We had our best safety day of the year with an 89% fully successful launch/flight score. It was our best score since December 2024. Well done everyone!

Next meeting: Tuesday August 4th at 6:00PM - 7:30PM. Lebanon Library lower-level meeting room.

Next Launch: Sunday, August 9th, 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!



A great day with colorful rockets.



Momba finding the only power line in ½ mile of the park.



AES (Dayton Power and Light) truck arriving



Attempting a ground retrieval with a 100kilavolt rated
lineman stick



The bucket truck saves the day!



Gary's NARTREK Scale cert rocket



Rick's Interceptor with reloadable "C" motor



Love the altitude!



Camera man taking professional quality photos.



Josie's umbrella rocket was beautifully made and flew spectacularly!



Josie using her personal launch pad for experience as a Launch Control Officer



Love the flame!



Klaus prepping his rocket



Bird's eyew view of Momba



MadCow Momba rocket



Is this a GREAT shot or what????



Small, medium, and large ready to go



Special times for dad and son.



Harold and one of his many scratch built rockets



Another scratch build Harold rocket.

FUN FACT: NASA BANNED MUSIC

Astronauts on the space station generally are not awakened from their sleep with alarms. Instead, the Flight Director and crew are allowed to choose the music they want the crew to be awakened by. During the Skylab era from 1973 to 1974, some of the music selected were

The Carpenters “We’ve Only Just Begun”

- https://www.youtube.com/watch?v=_VQX2Xn7tI
- Elton John “Rocketman”
- https://www.youtube.com/watch?v=r_QZe8Z66x8&list=RDr_QZe8Z66x8&start_radio=1
- Frank Sinatra “Come Fly With me”
- <https://www.youtube.com/watch?v=yOzEeJZ92X8>

Open the links to get a feel for the music.

From the NASA Archives: “One song has been banned from ever being played as a wakeup call again: “Paralyzed,” by the Legendary Stardust Cowboy. Flight director Don Puddy wrote about the day they played it for the three-man crew on Skylab, America's first space station, in 1973:

“Late one night, a future shuttle astronaut and CapCom (Bob Crippen) was trying to come up with a song to play in the morning. I told him I had a song that was guaranteed to wake the dead. Since he and I had a good relationship, I got my copy of 'Paralyzed' and we sent it downstairs to the communications center in the bowels of the building. They cued it up on one of the comm loops, and the next thing I see is Bob looking like a deer frozen in car headlights, then he starts screaming 'Yes! Yes!' then turning purple because he is laughing so hard he can't breathe. Of course, he and I are the only people in Mission Control who are able to hear Ledge [Stardust Cowboy's nickname] on our headsets, and everyone in the normally silent room is wondering what the hell is going on!”

Legendary Stardust Cowboy Norman Carl Odam

<https://www.youtube.com/watch?v=9EEZAivzI1Q>

Follow up on the above story not recorded by NASA... The next day when the music was played, it shocked the crew so badly that they were barely able to function that day. The song was immediately and permanently banned from NASA playlists. Don and Bob probably still have smiles on their faces! Even scientists can have a little fun pranking their fellow astronauts!

The Club’s Motto.....“Sapientia ducet ad astra” – “Wisdom leads to the stars!”