



SOUTHWEST OHIO ROCKETRY ASSOCIATION (SORA)

LAUNCH REPORT JUNE 13, 2021

1:00PM TO 5:00PM NAR SECTION #624

Launch Conditions: Spotty clouds, Wind 0-5 mph, small pop-up shower

Total Number of Launches: 25 **Rockets Recovered:** 24 (+ ½)

Total Number of 100% Fully Successful Flights (excluding simple fin breaks on landing): 15

Number of Launch Participants: 6

Number of Family/Friends/Observers: 9

Teams and Competitions: 0

Types and Number of Motors:

A: 2 B: 4 C: 6 D: 9 E: 4 F: 0 G: 0 H: 0 I: 0 Higher: 0

Ground Fires: 0 **Medical Incidents:** 0 **Damage to vehicles/facilities:** None (One rocket gently landed on Rick's truck with no damage to rocket or truck.)

Donations and drink/food sale: \$17.00

Rocket Topics and Issues:

1. Thanks go to Dave Bennett for being safety officer for this month's launch!
2. This month's launch was certainly the most interesting in quite a while. With 25 launches, there were fifteen fully successful flight and 10, um, less than successful flights. Four CATOs (Catastrophe On Take Off) due to motor malfunctions with one being a URD (Unscheduled Rapid Deconstruction). There were five parachute problems with deployment, and one separation of rocket nose cone from the body tube with loss of body tube due to shock cord breaking. Several hard landings resulted in body tube damage and broken fins.
3. Jeremy launched a very interesting rocket (Slo-Mo) that is designed with tilted fins. This causes the rocket to fly slowly and spin in flight. Beautiful flight!
4. Rick brought in some of the new club t-shirt and coffee mug designs.
5. Dani (youth member) did well progressing on her rocketry skills practicing streamer recovery techniques.

Next SORA launch, Hisey Park: July 25, 2021

Next Zoom business meeting July 20, 2021

Parting words....."Sapientia ducet ad astra" – Wisdom leads to the stars

Photos: next two pages....



Jeremy's Slo-Mo with purposely cocked fins designed to cause it to spin in flight.



Rob's Cherokee-E ready to go.



Shade helps in the 85 degree weather!



3, 2, 1, 0, -1, -2...Can someone please fix the launch button!



Dave's Estes Majestic on a E12-6



Focus the camera, Rick, Focus!



The new coffee mug design.



New t-shirt designs