

# NOTRA at Tripoli Mid-Ohio May 15th



Mike Momenie (left) flew his "Airstart 1" two stage rocket with an I300 to H210. The upper stage flew to 2719 feet. GREAT videos on both booster & upper stage of drag separation before upper stage motor ignited.

He later flew his "Cinema X-1" which was a single stage with dual air starts. It was loaded with a J800 and 2-G75 motors. The air starts failed to ignite AGAIN but the rocket still went to 2651 feet.

Mike also launched an updated version of my "Airstart 1" two-stage rocket, which has drogue & main parachutes for both stages. The chutes' deployments triggered by barometric pressure-sensing altimeters. He also had camcorders on both stages with the first stage looking up, and the second stage looking down. Before the second stage ignited via a small timer, the aerodynamic drag on the first stage actually separated it from the second stage.

Greg Shadle (right) did his first dual-deploy flight with an extended "Der Grey Max" and flying it with an AT DMS H283ST for a great flight and perfect recovery.





Andrew Klienhenz flew his 5.5" L3 rocket "Petunia" two times on 75mm 3 grain L1175's. One went 5360 the other went 5800. Both flights went well and landed close.

He also flew his 4" rocket "Thunder Chicken" on a 54mm 3 grain purple motor to a little over 3800 feet. Unfortunately the drogue shock cord broke and the booster fell to its death. The top section recovered normally.

(Below) Andrew's "Petunia" on one of its two flights that day.







Mark Coburn (standing right with friend) flew his LOC/Precision "Magnum 54" with EX K700 to 4800 feet.



The "Magnum 54" in flight! (right)





Later he flew his LOC/Precision "EZ-I" clone with a 54mm EX K350 to 5600 feet.

He also flew a rocket with a 3" fiberglass airframe with a 3 grain EX Red motor.







Finally, he flew his 4" "Black Brant" with a 54mm K700 which shredded the rocket.

Steve Eves (right) poses with a rocket he seems to fly at every launch.

Unfortunately, because of a mix-up at the range control, his rocket and another were launched at the same time







Greg Shadle (on the right posing with Steve Eves) test flew his Level 3 certification rocket called "Inner Rage" with a 76mm EX L1500 motor using NASSA K2 Fast propellant.

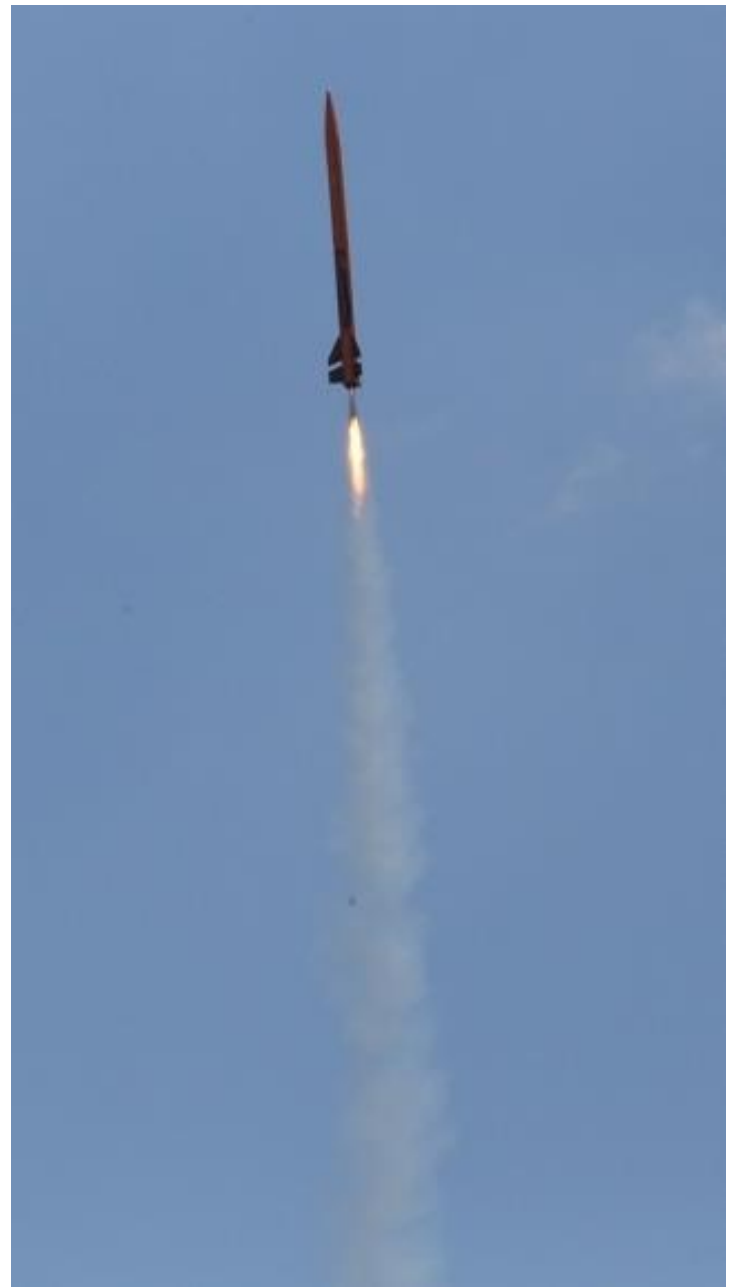
The rocket was 65 pounds loaded, with a diameter of 7.5 inches and a height of 13'3".

It hit an altitude of 5638 feet.

The flight was perfect, but the rocket was slightly damaged on landing.



Two shots of the "Inner Rage in flight on an EX L1500 motor.







And finally we have Steve Eves activating the altimeter on his 4" fiberglass Wild Man kit which he flew with a 2 grain 76mm motor.