

# Rocket Data Sheet and Launch Record

Rocket Description		Recovery Information		Altimeter Two Data			
Owner:	Daric, Johnny	<b>Ejection Occurred</b>		Apogee Altitude:			
Rocket Name:	Tetris	<input type="checkbox"/> During Ascent	<input type="checkbox"/> At Apogee	Top Speed:			
Type:	GeForce	<input type="checkbox"/> After Apogee	<input type="checkbox"/> During Descent	Burn Time (burn):			
Length: (inches)	58	<input checked="" type="checkbox"/> Ejection Failure		Peak Acc (Pacc):			
Diameter: (inches)	4	<b>Parachute Deployment</b>		Avg Acc (Aacc):			
Fins:	3	<input type="checkbox"/> Full	<input type="checkbox"/> Partial	Coast Apogee (C2AP):			
Listed Mass: (g)	1054 g	<input checked="" type="checkbox"/> Did not deploy		Apogee to Eject (AP2E):			
Date of Construction:	February 2014	<b>Parachute Descent</b>		Ejection Alt. (EALt):			
Recommended Motors: (G only)	G64-W, G76-G, G77-R, G80-T	<input type="checkbox"/> Stable Descent	<input type="checkbox"/> Tangled lines	Descent Speed (dESc):			
		<input type="checkbox"/> Some swaying	<input type="checkbox"/> Sprial descent	Flight Duration (durA):			
		<b>Reason for Recovery Failure</b>		<b>Altimeter Data Analysis</b>			
Center Gravity(CG):	39 in	<input type="checkbox"/> Damaged Chute		Altimeter damaged beyond repair			
Center Pressure(CP):	46 in	<input type="checkbox"/> Tight Upper Body tube					
Estimated Cd:	0.35	<input type="checkbox"/> Improper setup					
Predicted Altitude:	830 Ft	<input type="checkbox"/> Chute Separated					
<b>Prediction Notes</b>		<input type="checkbox"/> Motor Ejected					
CD is much lower than others predicted, but I think that is what is putting the predictions so far off. By picking a lower CD, I'm hoping that we are much closer. Most of the predictions were way under, so at the very least, I want to be over. I don't want to underestimate it.		<input type="checkbox"/> Unplanned Separation					
		<input type="checkbox"/> Other					
		<b>Descent Speed</b>					
		<input type="checkbox"/> Slow	<input type="checkbox"/> Average speed				
		<input type="checkbox"/> Very fast	<input checked="" type="checkbox"/> Ballistic				
<b>Launch Information</b>		<b>Landing</b>					
Date:	4/22/2014	<input type="checkbox"/> Soft	<input type="checkbox"/> Water				
Time of Launch:	10:10:00	<input type="checkbox"/> Tree	<input type="checkbox"/> Caught on Wire				
Location:	N. Driving Range	<input type="checkbox"/> Hard	<input checked="" type="checkbox"/> Crash				
Rocket Mass: (g)	1054	<input type="checkbox"/> Landed on Building					
Motor:	G76-4G	<b>Recovery</b>		<b>Post Launch Information</b>			
Motor Mass: (g)	143	<input type="checkbox"/> Full Recovery	<input type="checkbox"/> Lost	<b>Rocket Damage</b>			
Altimeter Mass: (g)	6.7	<input checked="" type="checkbox"/> Not Recoverable	<input type="checkbox"/> Parts lost	<input type="checkbox"/> No Damage			
Liftoff Mass: (kg)	1.2037	Distance & Direction from pad:		<input type="checkbox"/> Scuffed Paint			
Wind Direction:	North	North into wind, landed in basin south of Little League fields, roughly 100 yards away.		<input type="checkbox"/> Launch Lugs			
Wind Speed:	10 mph			<b>Recovery Notes</b>		<input type="checkbox"/> Engine Stuck	
Igniter:	FirstFire	Cone was embedded 6 in. into ground, complete and total failure		<input type="checkbox"/> Fins Damaged			
No. of tries to ignite:	1			<b>Ignition</b>		Describe any damage to the rocket:	
						<input checked="" type="checkbox"/> Successfull <input type="checkbox"/> Caught on clips	
		<b>Trajectory</b>					
				<input type="checkbox"/> Straight-Up <input type="checkbox"/> Corkscrew			
		<b>Lessons Learned</b>					
				An excess of vaseline may have caused the exection charge to be separated from the delay charge		<input type="checkbox"/> Excellent	
		<b>Launch Notes</b>				<input checked="" type="checkbox"/> Good	
Launched looked awesome, no problems whatsoever, but parachute did not pop.						<input type="checkbox"/> Poor	
		<b>Rocket Project Suggestions</b>					