

Rocket Data Sheet and Launch Record

Rocket Description		Recovery Information		Altimeter Two Data			
Owner:	sterling ryan	<u>Ejection Occurred</u>		Apogee Altitude:	371 Ft		
Rocket Name:	Bling	Before apogee		Top Speed:	97mph		
Type:	Big Sharky			Burn Time (burn):	2		
Length: (inches)	22.625 in	<u>Parachute Deployment</u>		Peak Acc (Pacc):	9.6		
Diameter: (inches)	1.645 in	<u>Parachute Descent</u>		Avg Acc (Aacc):	2.2		
Fins:	3	Did not deploy		Coast Apogee (C2AP):	4.4		
Listed Mass: (g)	68.4	<u>Parachute Descent</u>		Apogee to Eject (AP2E):	-0.1		
Date of Construction:		.. Stable Descent	.. Tangled lines	Ejection Alt. (EALt):	355 Ft		
Recommended Motors: (G only)		.. Some swaying	.. Sprial descent	Descent Speed (dESc):	24mph		
		<u>Reason for Recovery Failure</u>		<u>Altimeter Data Analysis</u>			
Center Gravity(CG):	14.25 in	Recovered in one piece		Burn time is consistent. The descent speed of the rocket is very fast and the launch speed is very fast that is at 97 mph. It was the second fastest out of all of the rockets that were launched.			
Center Pressure(CP):							
Estimated Cd:							
Predicted Altitude:	300 feet						
<u>Prediction Notes</u>							
We predict that the rocket will travel to 300 feet.							
		<u>Descent Speed</u>					
		Fairly Fast					
		<u>Landing</u>					
<u>Launch Information</u>		Hard	Crashed				
Date:	10/10/2013			<u>Post Launch Information</u>			
Time of Launch:	10:20:00			<u>Rocket Damage</u>			
Location:	CHS			.. No Damage			
Rocket Mass:	68.4 g	<u>Recovery</u>					
Motor:	C6-5	.. Full Recovery					
Motor Mass:	25.1 g						
Altimeter Mass:	6.7g	Distance & Direction from pad:					
Liftoff Mass:	100.2 g	South East of Pad,100 ft					
Wind Direction:	North	<u>Recovery Notes</u>					
Wind Speed:	13 mph	the parachute did not launch and the path of the rocket was at a curve		<u>Flight Grade</u>			
Igniter:						Describe any damage to the rocket:	
No. of tries to ignite:	1					There was no damage to the rocket.	
<u>Ignition</u>							
.. Successfull							
<u>Trajectory</u>							
Curved							
				<u>Lessons Learned</u>		Good	
<u>Launch Notes</u>				Wrap parachute looser.			
wind at 13 mph						<u>Rocket Project Suggestions</u>	
				Sand the rocket fins and have yours weigh very little.			