

Rocket Data Sheet and Launch Record

Rocket Description		Recovery Information		Altimeter Two Data					
Owner:	Brent Wernimont	Ejection Occurred		Apogee Altitude:	823 Ft				
Rocket Name:	Taste the Rainbow	☐ During Ascent	☐ At Apogee	Top Speed:					
Type:	Arcas	☑ After Apogee	☐ During Descent	Burn Time (burn):					
Length: (inches)	56	☐ Ejection Failure		Peak Acc (Pacc):					
Diameter: (inches)	2.6	Parachute Deployment		Avg Acc (Aacc):					
Fins:	4	☑ Full	☐ Partial	Coast Apogee (C2AP):					
Listed Mass: (g)	620	☐ Did not deploy		Apogee to Eject (AP2E):					
Date of Construction:	March	Parachute Descent		Ejection Alt. (EALt):					
Recommended Motors: (G only)		☐ Stable Descent	☐ Tangled lines	Descent Speed (dESc):					
G138-7T		☑ Some swaying	☐ Sprial descent	Flight Duration (durA):	To fast				
Prediction Notes		Reason for Recovery Failure		Altimeter Data Analysis					
I changed the diamitor to match my rocket with the added skittles. I than looked at max hiegh.		☐ Damaged Chute		The altimeter was not turned on. It looked as if it went about 800 ft.					
		☐ Tight Upper Body tube							
		☐ Improper setup							
		☐ Chute Separated							
		☐ Motor Ejected							
		☐ Unplanned Separation							
		☐ Other							
		Descent Speed							
		☐ Slow	☑ Average speed						
		☐ Very fast	☐ Ballistic						
Landing		Recovery		Post Launch Information					
Launch Information		☐ Soft	☐ Water	Rocket Damage					
Date:		☐ Tree	☐ Caught on Wire	☐ No Damage					
Time of Launch:		☑ Hard	☐ Crash	☐ Scuffed Paint					
Location:		☐ Landed on Building		☐ Launch Lugs					
Rocket Mass:	1790	Recovery Notes		☐ Engine Stuck					
Motor:	G138-7T	☑ Full Recovery	☐ Lost	☑ Fins Damaged					
Motor Mass:	152	☐ Not Recoverable		☐ Parts lost					
Motor Mass:	6.7g	Distance & Direction from pad:		Describe any damage to the rocket:					
Altimeter Mass:	1948.7	It was 80 yards SE from the lanch pad		My rocket lost only one fin and about a dozen skittles.					
Liftoff Mass:		Recovery Notes		Flight Grade					
Wind Direction:		The top half of the rocket stuck into the ground. One of the fins fell off, and several skittles also fell off.		☑ Excellent					
Wind Speed:				I leaned that the heavy side of the rocket has to go into the wind. I also learned that the rocket rallys can be very unpredictable.		☐ Good			
Igniter:	First Fire					☐ Poor			
No. of tries to ignite:						Rocket Project Suggestions			
Ignition								I think it would be nice to bring sunscreen for people. No one likes to get burned.	
☑ Successfull	☐ Blow Out								
☐ Caught on clips	☐ Motor Failure								
Trajectory									
☐ Straight-Up	☐ Spinning								
☐ Corkscrew	☐ Non-vertical								
☑ Into the wind	☐ Unstable								
Launch Notes									
I disided to use a six second delay charge for my engine, because the rocket I use is a fast shooting one. I think it will reach ampitude quickly. The launch was a successfull one, but the parishute had a delayed pop. After the pop it was tangled together, but after a second it opened up.		Lessons Learned							