Rocket Data Sheet and Launch Record					
Rocket Description		Recovery Information		Altimeter Two Data	
Owner:	Jessi P and Anthon	Ejection Occurred		Apogee Altitude:	312
Rocket Name:	Hump Day	" During Ascent	" At Apogee	Top Speed:	91
Туре:	Modelrocket.us	" After Apogee	" During Descent	Burn Time (burn):	2.2
Length: (inches)	22.625	" Ejection Failure		Peak Acc (Pacc):	8.1
Diameter: (inches)	1.645	Parachute Deployment		Avg Acc (Aacc):	1.9
Fins:	3	" Full	" Partial	Coast Apogee (C2AP):	2.5
Listed Mass: (g)	28.34	" Did not deploy		Apogee to Eject (AP2E):	3.1
Date of Construction:	9/26/2013	Parachute Descent		Ejection Alt. (EALt):	216
Recommended Motors: (G only)		" Stable Descent	" Tangled lines	Descent Speed (dESc):	21 mph
C6-5		" Some swaying	" Sprial descent	Flight Duration (durA):	14.7
		Reason for Recovery Failure		Altimeter Data Ana	lysis
Center Gravity(CG):	14 3/4 in	" Damaged Chute		the highest point the rocket got to was 312 ft. the top speed was 91 mph the engine burned for 2.2 seconds before	
Center Pressure(CP):		" Tight Upper Bod	y tube		
Estimated Cd:	0.5	" Improper setup		gravity was the only acceleration. The most it accelerated by was 831 ft/s/s	
Predicted Altitude:	378	" Chute Separated			
Prediction Notes		" Motor Ejected		with the average being 19. ft/s/s. It took 2.5 seconds from when the engine burned until it reached its highest point at the apogee. From apogee until the parachute was ejected it was 3.1 seconds	
I took the results from last years rockets and		" Unplanned Separation			
did the average of all of the altitude results.		other- shoot did not deploy			
-		Descent Speed			
		" Slow	" Average speed	which coincides with our act	ual vision
		" Verv fast	" Ballistic	The rocket dropped 96 feet u	r the apogee.
		Landing parachute deployed. The decent sp		ent speeed	
Launch Information		" Soft	" Water	was 21 mph which is very fast, and that	
Date:	10/9/2013	" Tree	" Caught on Wire	is because the parachute cam did not deploy. The flight du	e out, but it
Time of Launch:	1:00:00	" Hard	" Crash	only 14.7 seconds because it	did not go
Location:	southeast of school	" Landed on Building		very high up and it came down at a very	
Rocket Mass:	70.3 g	Recovery		Post Launch Information	
Motor:	C6-3	" Full Recovery	" Lost	Rocket Damage	e
Motor Mass:	25.2 g	" Not Recoverable	" Parts lost	" No Damage	-
Altimeter Mass:	6.7g	Distance & Direction from pad:		" Scuffed Paint	
Liftoff Mass:	102.2 g	south 100 yds		" Launch Lugs	
Wind Direction:	south	_		" Engine Stuck	
Wind Speed:	15 mph	Recovery Notes		" Fins Damaged	
Igniter:	estes	the parachute came out but it did not come		Describe any damage to the rocket:	
No. of tries to ignite:	1	out but there was no damage to the rocket		no damage	
Ignition					
" Successfull "Blow Out					
" Caught on clips	" Motor Failure				
Trajectory					
" Straight-Up	" Spinning				
" Corkscrew	" Non-vertical			Flight Grade	
" Into the wind	" Unstable	Lessons	Learned	" Excellent	
Launch Notes		make sure the parachute is not packed to tightly or folded too tightely. I think that is was more of the wind pushing in a different direction though. As for the assembly of the rocket, I would say don't use Mr. D's paint pens because they leak and will ruin the design of your rocket or at least be smart with the way you use them.		" Good	
It was pretty windy during the launch. The				" Poor	
parachute didn't open all the way either.				Rocket Project Suggestions	