Rocket Data Sheet and Launen Record					
Rocket Description		Recovery Information		Altimeter Two Data	
Owner:	Jessi Savanna		Occurred	Apogee Altitude:	829 Ft
Rocket Name:	Packers	" During Ascent	" At Apogee	Top Speed:	139 mph
Type:	G-Force	" After Apogee	" During Descent	Burn Time (burn):	1.4
Length: (inches)	59	" Ejection Failure		Peak Acc (Pacc):	13.5
Diameter: (inches)	4.032	Parachute Deployment		Avg Acc (Aacc):	4.5
Fins:	3	" Full	" Partial	Coast Apogee (C2AP):	6.2
Listed Mass: (g)	907	" Did not deploy		Apogee to Eject (AP2E):	-3.3
Date of Construction:	Feb 2014	Parachute Descent		Ejection Alt. (EALt):	658
Recommended Motors: (G only)		" Stable Descent	" Tangled lines	Descent Speed (dESc):	8 mph
G64-\$W, G76-4G, G77-4R, G80-7T		" Some swaying	" Sprial descent	Flight Duration (durA):	55.3
		Reason for Recovery Failure		Altimeter Data Analysis	
Center Gravity(CG):	39.5 inches	" Damaged Chute		added powder, went very close to	
Center Pressure(CP):	46 inches	" Tight Upper Body tube		predicted altitude. Took a little bit before the parachute popped, would have liked it sooner.	
Estimated Cd:	0.3	" Improper setup			
Predicted Altitude:	850 Ft	" Chute Separated			
Prediction Notes		" Motor Ejected			
There was quite a few flights to compare my		" Unplanned Separation			
rocker to so I chose a Cd to fit my altitude I		" Other			
want. I think my altitude should be around 850 because it is a good average.		Descent Speed			
occurse it is a good average.		" Slow	" Average speed		
		" Very fast	" Ballistic		
		Landing			
Launch Information		" Soft	" Water		
Date:	4/22/2014	" Tree	" Caught on Wire		
Time of Launch:	10:00:00	" Hard	" Crash		
Location:	Carroll High School	" Landed on Building			
Rocket Mass:	1070g	Recovery		Post Launch Inform	ation
Motor:	G76-4G	" Full Recovery	" Lost	Rocket Damage	
Motor Mass:	0.143g	" Not Recoverable		" No Damage	<u>-</u>
Altimeter Mass:	6.7g	Distance & Direction from pad:		" Scuffed Paint	
Liftoff Mass:	1076.84g	SW, 500ft		" Launch Lugs	
Wind Direction:	NE			" Engine Stuck	
Wind Speed:	10mph	Recovery Notes		" Fins Damaged	
Igniter:	copper head	chute popped right after apogee. parachute		Describe any damage to the	ne rocket:
No. of tries to ignite:	2	worked perfectly, landed softly. Ryan K		Describe any damage to the	ic rocket.
Ignition		and Stenbo recovered.			
" 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		Was good to use tape on the engine and			
make sure to use extra delay charge, engine needs to be taped in.		the ignitor. They may have fallen out otherwise. All in all a great day, lots of fun and very good food.		"Good	
				Rocket Project Suggestions Loved the rally and was very happy with	