Rocket Data Sheet and Launch Record					
Rocket Description		Recovery Information		Altimeter Two Data	
Owner:	Mr Duhrkopf	Ejection	Occurred	Apogee Altitude:	411 Ft
Rocket Name:	Big Sharky	" During Ascent	" At Apogee	Top Speed:	116 mph
Туре:	Modelrockets.us	" After Apogee	" During Descent	Burn Time (burn):	1.54 s
Length: (inches)	22.625	" Ejection Failure		Peak Acc (Pacc):	9.6g
Diameter: (inches)	1.645	Parachute Deployment		Avg Acc (Aacc):	3.4g
Fins:	3	" Full	" Partial	Coast Apogee (C2AP):	3.9 s
Listed Mass: (g)	85 g	" Did not deploy		Apogee to Eject (AP2E):	-0.5 s
Date of Construction:	9/4/2012	Parachute Descent		Ejection Alt. (EALt):	396 Ft
Recommended Motors:	(C only)	" Stable Descent	" Tangled lines	Descent Speed (dESc):	11 mph
C6-3, C6-5	,	" Some swaving	" Sprial descent	Flight Duration (durA)	28.5.8
,		Reason for Re	covery Failure	Altimeter Data Ana	lvsis
Center Gravity(CG):	13 77 in from nose	" Damaged Chute		Apogee to eject indicates that the chute popped before apogee which is not what	
Center Pressure(CP):		" Tight Upper Body tube			
Building Notes		" Improper setup		happened. Apogee looks good and so do all the other numbers	
Had trouble with the stickers fin is		" Chute Separated			
chipped at the base		Chute Separated			
empped at the base		Motor Ejected			
		Unplanned Separation			
Estimated Cd:	0.5	" Other			
Predicted Altitude:	400 Ft	Descen	nt Speed	Prediction vs Actual A	Inalysis
Prediction Notes		" Slow	" Average speed	C6-3 worked well. No wind	so mpared to
company says 650 ft whick is way off. My		" Very fast	" Ballistic	actual	
a better parachute deployment based on the		Lan	ding		
previous years flights. Picked 400 ft due to the		" Soft	" Water		
4 previous flights. Wind will play a big factor		" Tree	" Caught on Wire		
Launch Information		" Hard	" Crash		
Date:	9/23/2014	" Landed on Build	ing		
Time of Launch:	2nd hour	Reco	overy	Post Launch Inform	ation
Location:	jh fb field	" Full Recovery	" Lost	Flight Grade	
Rocket Mass(g):	83.1	" Not Recoverable	" Parts lost	" Excellent	
Motor:	C6-3	Distance & Direction from pad:		" Good	
Motor Mass(g):	23.9	50 yds north		" Fair	
Altimeter Mass(g):	9,9			" Poor	
Liftoff Mass(g):	116.9	Recovery Notes		" Rocket cannot launch again	
Wind Direction:	south	Shock cord and parachute had a little damage due to the exhaust gases. Lauryn beats Brody to the rocket. Brody needs form work		Describe any damage to the rocket: Parachute and shock cord had a little char damage but nothing that needed repair	
Wind Sneed	10 mph				
Igniter:	Estes				
No. of tries to ignite:	1				
Ignition		-			
" Successfull " Blow Out				Pooket Project Sugg	actions
" Coucht on aling	" Motor Failure	Lessons	Learned	Get more C6-3's better choic	ce for the
	Motor Failure	Add one more sheet of	of wadding to help	chute than a C6-5 due to the	common
" Stanisht Un		prevent melting of the	e chute and shock	windy days in Carroll. Lay tube flat when gluing the engine mount. Could put the fins in soon after if time to prevent slipping	
Straight-Up	" Conference I" New contribution		better engine choice		
Corkscrew	Non-vertical	than the C6-5. Angle into the wind.			
" Into the wind	wind Unstable				
Launch Notes Went to kids soccer field due to long grass in driving range. clip fell off no big deal. Angled slightly into the wind		-			
slightly into the wind				-	