

Flight Results for Rocket Rally 2017

	Flight #1	Flight #2	Flight #3	Flight #4	Flight #5
Owners	Tanner & Will	Matt & Jared	Kyle	Olivia	Grant & Nathan
Rocket Name	Motherboard	Not a Rocket	Space X	Just Do It	Voyager 3
Rocket Type	Arcas	Astrobee	Mirage	Arcas	Arcas
Rocket Mass	632 g	795 g	947 g	622 g	618 g
Motor Used	G76-7G	G64-4W	G80-7T	G80-10T	G64-7W
Estimated Cd	0.34	0.586	0.879	0.6	0.462
Estimated Altitude	1600 ft	1300 ft	1350 ft	1700 ft	1515 ft
Altimeter Color	Green	Red	Blue	Green	Red
Apogee Altitude	1611 ft	1217 ft	1395 ft	2086 ft	1636 ft
Top Speed	265 mph	213 mph	232 mph	338 mph	251 mph
Burn Time burn	1.55 s	1.54 s	1.5 s	1.31 s	1.69 s
Peak Acceleration PAcc	17.5 g	10.1 g	10.0 g	14.5 g	11.6 g
Avg Accerleration AAcc	7.8 g	6.3 g	7.0 g	11.8 g	6.8 g
Coast to Apogee C2AP	8.8 s	6.6 s	8.5 s	10.3 s	9.0 s
Apogee to Eject AP2E	-0.7 s	-2.2 s	-1.0 s	-10 s	-0.7 s
Ejection Altitude EALt	1609 ft	1114 ft	1390 ft	364 ft	1633 ft
Descent Speed dESc	17 mph	9 mph	12 mph	2 mph	12 mph
Flight Duration durA	73.8 s	89.7 s	87.4 s	116.6 s	99.8 s
Notes	Copperhead igniter fell out switched to firstfire	landed in the pond	Fin came loose	Apogee and ejection altitude off, took 45 minutes to find	landed in tree, bad igniter caused several attempts to

	Flight #6	Flight #7	Flight #8	Flight #9	Flight #10
Owners	Joe & Peyton	Ashley & Austin	Alex	Spencer & Matthan	Billy & Ben
Rocket Name	Lil Chano	One Tree Hill	ARWEVA Rockets	Steel Curtain	Nintendo Nostalgia
Rocket Type	Arcas	Arcas	Arcas	Arcas	Mirage
Rocket Mass	639 g	605 g	625 g	620 g	875 g
Motor Used	G64-7W	G80-10T	G64-7W	G75-7M	G138-8T
Estimate Cd	0.7	0.538	0.6	0.7	0.85
Estimated Altitude	1200 ft	2017 ft	1450 ft	1650 ft	1650 ft
Altimeter Color		Blue	Red	Green	Red
Apogee Altitude				1763 ft	1771 ft
Top Speed				296 mph	306 mph
Burn Time burn				1.48 s	1.14 s
Peak Acceleration PAcc				12.2 g	15.1 g
Avg Accerleration AAcc				9.1 g	12.3 g
Coast to Apogee C2AP				8.6 s	8.9 s
Apogee to Eject AP2E				-0.7 s	-1.0 s
Ejection Altitude EALt				1735 ft	1746 ft
Descent Speed dESc				15 mph	14 mph
Flight Duration durA				83.2 s	91.1 s
Notes	Chute did not deploy, crash, data may be retrievable	Altimeter did not record properly	Did not turn altimeter on correctly	Fast descent	Mirage altitude record!!

	Flight #11	Flight #12	Flight #13	Flight #14	
Owners					
Rocket Name					
Rocket Type					
Rocket Mass					
Motor Used					
Estimated Cd					
Estimated Altitude					
Altimeter Color					
Apogee Altitude					
Top Speed					
Burn Time burn					
Peak Acceleration PAcc					
Avg Accerleration AAcc					
Coast to Apogee C2AP					
Apogee to Eject AP2E					
Ejection Altitude EALt					
Descent Speed dESc					
Flight Duration durA					
Notes					