

MASA Launch, Nowthen, August 26, 2012					Total #	Total
#	Flyer's Name	Rocket's Name	Motor(s)	Comments	Motors	Impulse
1	Beard, Jadon	Alpha III	A8-3	good flight	1	2.5
2	Beard, Jadon	Fuse	1/2A3-4t	good flight	1	1.25
3	Beard, Jadon	Fuse	1/2A3-4t	good flight	1	1.25
4	Beard, Jadon	Patriarch	A8-3	good flight	1	2.5
5	Beard, Jadon	Patriarch	A8-3	good flight	1	2.5
6	Beard, Jadon	Shuttle Express	C6-3	good flight	1	9
7	Beard, Jadon	Fuse	1/2A3-4t	good flight	1	1.25
8	Beard, Jadon	Wizard	C6-5	good flight	1	9
9	Beard, Jadon	Alpha	C6-5	good flight	1	9
10	Beard, Ross	Skywriter	A8-3	1st flight, good	1	2.5
11	Beard, Ross	Wizard	A8-3	good flight	1	2.5
12	Beard, Ross	Wizard	A8-3	good flight	1	2.5
13	Beard, Ross	Sky Trax	B6-4	1st flight, good	1	5
14	Beard, Ross	Skywriter	C6-5	good flight	1	9
15	Beard, Ross	Wizard	C6-3	good flight	1	9
16	Beard, Ross	Skywriter	C6-5	good flight	1	9
17	Carlson, Austin	Renegade	D12-3	good flight	1	17
18	Carlson, Austin	Renegade	D12-3	good flight	1	17
19	Carlson, Breelyn	Big Betty	B6-4	CATO	1	5
20	Carlson, Breelyn	Big Betty	B6-6	good flight	1	5
21	Carlson, John	D-Region Tomahawk	E9-6	good flight	1	28.5
22	Carlson, John	Mars Snooper II	B6-4	30+ year old rocket	1	5
23	Carlson, John	V2	B6-4	35+ year old rocket	1	5
24	Carlson, John	Maxi Alpha	D12-3	30+ year old rocket	1	17
25	Carlson, John	Aero-Dart	E9-6	good flight	1	28.5
26	Carlson, John	Raptor	B6-4	good flight	1	5
27	Daigle, Mark	E2X	B6-4	good flight	1	5
28	Daigle, Micah	E2X	B6-4	good flight	1	5
29	Daigle, Oliver	Razor	A6-4	good flight	1	2.5
30	Estenson, Alan	Comanche-3	C11-0; B6-0; B6-6	drag race	3	19
31	Estenson, Alan	Groove Tube	B6-4	good flight	1	5
32	Estenson, Alan	Viking 1	C6-5	good flight	1	9
33	Estenson, Alan	Harmonize	D12-5	good flight	1	17
34	Estenson, Alan	Fat Boy	C6-3	cruise missile, late eject, no chute	1	9
35	Estenson, Alan	Screaming Yellow Zonker	E12-6	CATO	1	27.2
36	Estenson, Alan	Der Big Red Max	D12-5	good flight	1	17
37	Estenson, Alan	Maniac	E9-8	good flight	1	28.5
38	Estenson, Alan	Pheord X150	B6-0	drag race	1	5
39	Estenson, Alan	MASA SPEV Saucer	C6-0	drag race	1	9

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40	Estenson, Alan	Planet Probe	B6-0	drag race	1	5
41	Estenson, Alan	Snitch	C6-0	good flight	1	9
42	Estenson, Alan	Cherokee G	G76-7	no chute, core sample	1	115
43	Estenson, Alan	Back to Cool	E9-6	drag race	1	28.5
44	Estenson, Alan	Explorer	H148-M	good flight	1	206
45	Farrell, Michael	Hawk	A6-4	good flight	1	2.5
46	Farrell, Michael	Fletcher	C6-5	good flight	1	9
47	Farrell, Michael	Hawk	B6-0	good flight	1	5
48	Farrell, Michael	Vagabond	D12-5	good flight	1	17
49	Farrell, Michael	Ventris	F120-7	good flight	1	56
50	Farrell, Michael	Lil' Grunt	E9-6	good flight	1	28.5
51	Farrell, Michael	Ventris	F36-6	good flight	1	51.5
52	Farrell, Michael	Hi-Tech	G67-M	good flight	1	110
53	Feld, Chris	Swift	A8-3	good flight	1	2.5
54	Feld, Chris	Swift	C6-5	good flight	1	9
55	Feld, Chris	Callisto	H128-M	good flight	1	172.9
56	Feld, Chris	HALO 18-1B	C6-5	good flight	1	9
57	Feld, Chris	Unremarkable	D15-7	good flight	1	20
58	Flansburg, Jace	Athena	C6-3	good flight	1	9
59	Flansburg, Jace	Planet Probe	C6-0	good flight	1	9
60	Flansburg, Jace	Amazon	C6-5	good flight	1	9
61	Flansburg, Jace	Future Launch Vehicle	C6-3	good flight	1	9
62	Flansburg, Jace	Wizard	C6-3	good flight	1	9
63	Flansburg, Jace	Astron Elliptic	A10-0t; A10-3t	good flight	2	5
64	Flansburg, Jeff	EPM 010	D21-4	CATO	1	20
65	Flansburg, Jeff	Initiator	G76-7	good flight	1	115
66	Flansburg, Jeff	Super Bird	C6-5	good flight	1	9
67	Flansburg, Jeff	Mega Mosquito	E20-4	good flight	1	35
68	Flansburg, Jennifer	High Flyin' Valentine	E12-6	good flight	1	27.2
69	Grover, Allan	Maxi Alpha III	F39	good flight	1	50
70	Grover, Allan	Guardian	D21-7	good flight	1	20
71	Grover, Allan	Maxi Alpha III	F39	good flight	1	50
72	Grover, Allan	Expedito	I161-M	good flight	1	328.7
73	Grover, Allan	Expedito	I284-M	wadded chute	1	607.3
74	Grover, Blake	D2 Engine Rocket	A3-4t	good flight	1	2.5
75	Grover, Blake	Avion	D21-7	1st flight, good	1	20
76	Grover, Blake	Black Rocket	A3-4t		1	2.5
77	Higgins, Neal	Comanche-3	D12-0; B6-0; A8-5	drag race	3	24.5
78	Higgins, Neal	Fric n Frac	C6-0; C6-0	good flight	2	18

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79	Higgins, Neal	Stonebreaker	D12-5	good flight	1	17
80	Higgins, Neal	Baby Bertha	D21-7	altimeterone on board	1	20
81	Higgins, Neal	Green Goblin	I229	drag race	1	411
82	Higgins, Neal	Courier	C6-7	good flight	1	9
83	Higgins, Neal	Pheord X150	C6-0	drag race	1	9
84	Higgins, Neal	Smiley Saucer	C6-0	good flight	1	9
85	Higgins, Neal	Crayola	H180-M	good flight	1	217.7
86	Higgins, Neal	Starfighter	F22-7	no eject	1	65
87	Hum, Steve	Optima Clone	G76-7	good flight	1	115
88	Hum, Steve	AMRAAM 2	F52-5	good flight	1	78
89	Issac	Yankee	C6-3	1st flight, good	1	9
90	Issac	Yankee	C6-5	good flight	1	9
91	Jacobsen, Daleth	Astron Outlaw	B6-4	good flight	1	5
92	Jacobsen, Daleth	Astron Outlaw	C6-7	good flight	1	9
93	Jacobsen, Daleth	Astron Outlaw	C6-5	good flight	1	9
94	Jacobsen, Daleth	Maxi Alpha III	E28	good flight	1	40
95	Jacobsen, Daleth	Maxi Alpha III	E28-7	good flight	1	40
96	Jacobsen, Daleth	Maxi Alpha III	E28-7	good flight	1	40
97	Karsten, Pat	Interceptor	F27-4	good flight	1	49.6
98	Karsten, Peightyn	Magician	D12-7	good flight	1	17
99	Klopfenstein, Kirk	Jayhawk	F42	good flight	1	52.9
100	Klopfenstein, Kirk	Silver Fire	I170		1	382
101	Lenz, Stuart	Pokemon 1	D12-5	good flight	1	17
102	Lenz, Stuart	MASA Patriot	C6-5	good flight	1	9
103	Lenz, Stuart	Ozone Research Project II	C6-5	good flight	1	9
104	Lenz, Stuart	Stuart's Oddest Rocket	C6-5	good flight	1	9
105	Lenz, Stuart	Luna 2	B6-4	good flight	1	5
106	Lenz, Stuart	X-42	(2) B6-4	good flight	2	10
107	Lenz, Stuart	NX3	C6-5	good flight	1	9
108	Lenz, Stuart	TubeFin #2	A10-3t	good flight	1	2.5
109	Lenz, Stuart	Trident Payloader	C6-5	1st flight, good	1	9
110	Lenz, Stuart	Pheord X150	C6-0	drag race	1	9
111	Lenz, Stuart	Orange Thing	1/2A3-2t	good flight	1	1.25
112	Lenz, Stuart	Pokemon 1	D12-5	good flight	1	17
113	Lenz, Stuart	Dragon Ship 7	B6-2	good flight	1	5
114	Lenz, Stuart	Dragon Ship 8	(2) B6-4		2	10
115	Lenz, Stuart	Wicked Winnie	C6-5	good flight	1	9
116	Lenz, Stuart	V2	B6-2	good flight	1	5
117	Lenz, Stuart	Baby Bertha	B6-4	good flight	1	5

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118	Lenz, Stuart	Fat Boy	D12-3	good flight	1	17
119	Luhman, Augustine	Flutterby	B6-2		1	5
120	Luhman, Augustine	Flutterby	B6-2	good flight	1	5
121	Luhman, Chris	Freefall	C6-5	good flight	1	9
122	Luhman, Chris	Freefall	C6-5	good flight	1	9
123	Luhman, Jacob	Evil One	B6-2	good flight	1	5
124	Luhman, Jacob	Evil One	B6-2	good flight	1	5
125	McDermott, Buzz	Liberator	C6-5	good flight	1	9
126	McDermott, Buzz	Initiator	F27		1	49.6
127	McDermott, Buzz	Initiator	G80-7	good flight	1	136.6
128	McDermott, Buzz	SLS Aero Dart	E9-6	good flight	1	28.5
129	McDermott, Buzz	Onyx	F60-4	CATO	1	75.9
130	Overby, Glen	I'm Yellow Mk II	G339	altimeter deployment	1	110
131	Overby, Glen	IQSY Tomahawk	H97	altimeter deployment, lawn dart	1	177.3
132	Ross, Chuck	Helicat	C6-5	good flight	1	9
133	Ross, Chuck	Deltie	A10-3t	good flight	1	2.5
134	Ross, Ian	Tumbleweed	1/2A3	good flight	1	1.25
135	Ross, Ian	Laser-X	F20-4	good flight	1	64
136	Stone, Elliott	Pyramid	1/2A3-4t	1st flight, good	1	1.25
137	Stone, Jason	Javelin	G50	early eject	1	150
138	Stone, Lily Anna	Tube-EE	C6	1st flight, good	1	9
139	Sullivan, Brian & Ruth	Nike Smoke	F23-4	615 feet, 126 mph, good flight	1	41.2
140	Taylor, Jeff	Fat Boy	C6-3	good flight	1	9
141	Taylor, Jeff	Honest Goon	C6-3	good flight	1	9
142	Taylor, Jeff	Tim Melody Centennial	B6-4	good flight	1	5
143	Taylor, Jeff	Deuces Wild	(2) C6-5	good flight	2	18
144	Taylor, Jeff	Big Daddy	D15-7	late eject, lawn dart	1	20
145	Taylor, Jeff	Big Fat Boy	I218	good flight	1	330
146	Vatsaas, Rick	Astro Patrol	C6-5	good flight	1	9
147	Vatsaas, Rick	Black Adder	F40-7	first flight, lawn dart	1	80
148	Vatsaas, Rick	Lil Red Rocket	H128-M	good flight	1	172.9
149	Vyas, Anand	Naked Der Cheetah	B6-0; A8-3	good flight	2	7.5
150	Vyas, Anand	Naked Goliath	(3) A8-3	lit 2	2	5
151	Vyas, Anand	Naked Goliath	(3) A8-3	good flight	3	7.5
152	Whitaker, David	Sidewinder	C6-3	good flight	1	9
153	Whitaker, David	Mini Rota-Roc	A3-4t	1st flight, good	1	2.5
154	Whitaker, David	Goblin	I287	good flight	1	486
155	Whitaker, David	Patriot	H163-7	good flight	1	166.3
156	Whitaker, David	Helio-Copter	C6-5	good flight	1	9

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157	Whitaker, David	Long Tom	B6-0; B6-6	good flight	2	10
158	Wirth, Ron	Comanche-3	D12-0; C6-0; B6-6	drag race	3	31
159	Wirth, Ron	Cherokee Goon	A10-3t	good flight	1	2.5
160	Wirth, Ron	Hyper-Horizon	D12-5	rear ejection, good flight	1	17
161	Wirth, Ron	Der Fat Max	C6-3	good flight	1	9
162	Wirth, Ron	Der Goony Max	A8-3	good flight	1	2.5
163	Wirth, Ron	Der Red Max	B6-4	good flight	1	5
164	Wirth, Ron	Cherokee D	D12-5	good flight	1	17
165	Wirth, Ron	Deuce Torpedo	(2) B6-4	good flight	2	10
166	Wirth, Ron	Astral Lance	E12-6	good flight	1	27.2
167	Wirth, Ron	Big Daddy	E9-6	good flight	1	28.5
Total Flights: 167					184	6784.5
Total Motors: 184						
Total Impulse (N-s): 6784.5						
Average Impulse (N-s): 36.9						

Motor Stats		
Size	Number Used	Percentage of Total
MM	0	0%
1/4A	0	0%
1/2A	6	3%
A	25	14%
B	36	20%
C	50	27%
D	21	11%
E	14	8%
F	13	7%
G	7	4%
H	6	3%
I	6	3%
J	0	0%

