

MASA launch, Nowthen, September 24, 2011					Total #	Total
#	Flyer's Name	Rocket's Name	Motor(s)	Comments	Motors	Impulse
1	Borchard, Craig	Mystic Stretch	H90-7		1	164.2
2	Carpenter, Todd	Steam Comet	E28-4		1	40
3	Carpenter, Todd	Steam Ship One	D13-7	late eject, lawn dart	1	20
4	Carpenter, Todd	Steam Patrol Ship	MM		1	0.22
5	Carpenter, Todd	Odysseus	A3-4t	good flight	1	2.5
6	Carpenter, Todd	Death Star	C6-3	good flight	1	9
7	Carpenter, Todd	Tethys	H242-M	good flight	1	231.7
8	Carpenter, Todd	Big Bertha	B6-4	wadded chute	1	5
9	Clifton, John	Sky Torpedo II	D12-5		1	17
10	Clifton, John	Red Max II	(2) D12-5	good flight	2	34
11	Clifton, John	Auburn IIB	D12-5	good flight	1	17
12	Clifton, John	Blue Bertha	D12-5	1st flight, good	1	17
13	Clifton, John	Hijacker	G40-7	good flight	1	97.1
14	Clifton, John	Blue Bertha	D12-5	good flight	1	17
15	Cochran, Ted	Big Bertha	B6-4		1	5
16	Cochran, Ted	Big Bertha	C6-5	contest flight	1	9
17	Cochran, Ted	Interceptor E	E20-4	good flight	1	35
18	Delahay, Kent	Big Bertha	E9-6		1	28.5
19	Delahay, Kent	Big Bertha 2-stage	D12-0; E9-6	1,974 feet	2	45.5
20	Delahay, Kent	Big Bertha 2-stage	D12-0; E9-6	good flight	2	45.5
21	Delahay, Kent	Big Bertha	D12-7	contest flight	1	17
22	Erpelding, Mike	Nike Smoke	B6-4	went horizontal	1	5
23	Erpelding, Mike	NSA	C6-5	good flight	1	9
24	Estenson, Alan	Dragon-Nik Capsule	B6-0	weird flight	1	5
25	Estenson, Alan	Planet Probe	C6-0	good flight	1	9
26	Estenson, Alan	Kadet Klone	C6-5	good flight	1	9
27	Estenson, Alan	Der Big Red Max	C11-5	good flight	1	9
28	Estenson, Alan	Der Grosser Vati	E9-4	good flight	1	28.5
29	Estenson, Alan	Groove Tube 180	E9-6	good flight	1	28.5
30	Estenson, Alan	Razzle Dazzle	D12-5	good flight	1	17
31	Estenson, Alan	Super Duper Serval	E9-8	good flight	1	28.5
32	Estenson, Alan	Blue Bird Zero	D12-0; C6-5	good flight	2	26
33	Estenson, Alan	Kadet Klone	B6-4	good flight	1	5
34	Estenson, Alan	Groove Tube	B6-4	good flight	1	5
35	Estenson, Alan	IPFI Corrigan	C6-3	rear ejection, good flight	1	9
36	Estenson, Alan	Dynamic Carrier	C6-5	good flight	1	9
37	Estenson, Alan	Six Pack	D12-7	contest flight	1	17
38	Estenson, Alan	Itasca	H165-M	good flight	1	165
39	Estenson, Alan	IPFI Corrigan	D21-4	separation, lawn dart	1	20

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40	Feld, Chris	HALO 18-2	A8-3	rear ejection, good flight	1	2.5
41	Feld, Chris	HALO 18-2	A8-3	good flight	1	2.5
42	Feld, Chris	HALO 18-2	A8-3		1	2.5
43	Feld, Chris	HALO 18-2	A8-5	contest flight	1	2.5
44	Feld, Chris	HALO 18-2	A8-5	good flight	1	2.5
45	Feld, Chris	HALO 18-2	C6-5	good flight	1	9
46	Feld, Chris	Unremarkable	D15-7	good flight	1	20
47	Flansburg, Jace	Shuttle Express	C6-5	good flight	1	9
48	Flansburg, Jace	Red & Black	C6-5	wadded chute	1	9
49	Flansburg, Jace	Alpha	B6-4	contest flight	1	5
50	Flansburg, Jeff	Alpha	C6-5	contest flight	1	9
51	Heren, Andy	Big Betty	C6-3		1	9
52	Heren, Andy	Big Bertha	C6-3	1st flight, good	1	9
53	Heren, Andy	SS Barracuda	C6-5	good flight	1	9
54	Heren, Andy	Baby Bertha	B6-4	good flight	1	5
55	Heren, Andy	Flutter-By	A8-3	1st flight, good	1	2.5
56	Heren, Andy	Cobalt	A8-3	good flight	1	2.5
57	Heren, Andy	lil' Ivan	C6-5	good flight	1	9
58	Heren, Andy	Harpoon	C6-5	good flight	1	9
59	Heren, Andy	Avalear	C6-3	1st flight, good	1	9
60	Heren, Andy	Super Tiger	C6-5	1st flight, good	1	9
61	Higgins, Neal	Weasel	F20-7	good flight	1	64
62	Higgins, Neal	Weasel	F20-7	contest flight	1	64
63	Higgins, Neal	Stovi	F52-8	1st flight, good	1	78
64	Higgins, Neal	Green Goblin	I245G-M	good flight	1	334.1
65	Higgins, Neal	Angry Bird	E20-7	shredded at ejection	1	35
66	Higgins, Neal	Check Six	D12-7	good flight	1	17
67	Higgins, Neal	Totally Tubular	E20-7	good flight	1	35
68	Hoyme, Ken	Atomic	B4-4		1	5
69	Hoyme, Ken	Borealis	C6-3		1	9
70	Hoyme, Ken	Maxi Alpha 3	D12-5	good flight	1	17
71	Hoyme, Ken	Mean Green	D15-4		1	20
72	Hoyme, Ken	AMRAAM 2	G76-7	good flight	1	115
73	Hoyme, Ken	LOC IV	H210-M	good flight	1	220
74	Hoyme, Ken	Interrogator-D	D12-5	drag race	1	17
75	Hoyme, Ken	Skywriter	C6-5	good flight	1	9
76	Hum, Steve	Strong Arm	G64-7	no chute	1	120
77	Hum, Steve	Silver Comet	E28-4	good flight	1	40
78	Hum, Steve	Big Daddy	F39-4		1	50

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79	Hum, Steve	Phoenix	D15-4	good flight	1	20
80	Karsten, Abbie	Skyhawker	B6-4	good flight	1	5
81	Karsten, Pat	Riptide	C6-5		1	9
82	Karsten, Peightyn	Skyhawker	A8-3	first flight	1	2.5
83	Lenz, Ellison	Snitch	C6-3	good flight	1	9
84	Lenz, Ellison	Luna 2	B6-4	good flight	1	5
85	Lenz, Ellison	V2	D12-5	separation	1	17
86	Lenz, Ellison	Norad	G76-4	CATO	1	115
87	Lenz, Ellison	Screamin' Mimi	D12-5	separation	1	17
88	Lenz, Stuart	Dragon Ship 7	C6-3	good flight	1	9
89	Lenz, Stuart	Dragon Ship 8	(2) C6-3	good flight	2	18
90	Lenz, Stuart	Patrol Cruiser Excalibur	C6-3	good flight	1	9
91	Lenz, Stuart	Hypergen	G64-7	separation	1	120
92	Lenz, Stuart	Star Rider	C6-5	good flight	1	9
93	Lenz, Stuart	Legacy	G53-5		1	90.9
94	Lenz, Stuart	Pokemon II	D12-5	good flight	1	17
95	Lenz, Stuart	ACME Spitfire	D12-3	contest flight	1	17
96	Lenz, Stuart	Luna II	B6-4	good flight	1	5
97	Lenz, Stuart	Vindicator	C6-5	good flight	1	9
98	Lenz, Stuart	X-42	(2) B6-4	good flight	2	10
99	Lenz, Stuart	Sunward Spaceplane	C6-3	good flight	1	9
100	Lenz, Stuart	Cluster Bomb	B6-2	good flight	1	5
101	Marple, Carol	Black Brant	H128	good flight	1	172.9
102	McDermott, Buzz	TANG	G80-7	good flight	1	136.6
103	McDermott, Buzz	Executioner	E30-7		1	40
104	McDermott, Buzz	SLS Hustler	F20-7	good flight	1	64
105	McDermott, Buzz	Vindicator	C6-5	good flight	1	9
106	McDermott, Buzz	Interrogator-D	E15-4	drag race	1	40
107	Miller, David	Deep Space Probe	D12-3	future Sirius kit, good flight	1	17
108	Miller, David	Eradicator	F60-7	future Sirius kit, good flight	1	75.9
109	Miller, David	Interrogator-D	D12-5	drag race	1	17
110	Miller, David	1:64 Saturn V	I284-7	awesome flight!	1	607.3
111	Miller, Evie	Alpha III	A8-3	1st flight ever!	1	2.5
112	Miller, Evie	Alpha III	A8-5	good flight	1	2.5
113	Miller, Evie	Minute Man	A8-3	separation	1	2.5
114	Miller, Evie	Asteroid Probe	A8-3	"Flying Naked!"	1	2.5
115	Miller, Evie	Asteroid Probe	B6-4	good flight	1	5
116	Miller, Evie	Asteroid Probe	C6-5	good flight	1	9
117	Nguyen, Collin	Honest John	1/2A3-4t	unstable	1	1.25

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118	Nguyen, Collin	Stars & Stripes	A8-3	1st flight ever!	1	2.5
119	Peterson, Kent	Super Big Bertha	D12-3		1	17
120	Peterson, Kent	V2	D12-3	good flight	1	17
121	Peterson, Kent	Patriot	H128	separation	1	172.9
122	Peterson, Kent	Patriot	H128	wadded chute	1	172.9
123	Peterson, Kent	Patriot	H128	good flight	1	172.9
124	Peterson, Kent	Tangent	B6-4	good flight	1	5
125	Peterson, Kent	Tangent	C6-5	good flight	1	9
126	Peterson, Kent	Tangent	C6-3	good flight	1	9
127	Peterson, Kent	Zenith	A8-0; A8-5	good flight	2	5
128	Peterson, Kent	Big Betty	C6-3	good flight	1	9
129	Peterson, Kent	Sidewinder	D12-3	good flight	1	17
130	Peterson, Kent	Cherokee-D	D12-7	good flight	1	17
131	Pokorny, Jason	SR-71	D10-7		1	20
132	Pokorny, Jason	Super Neon XL	D12-3	first flight	1	17
133	Pokorny, Jason	Executioner	D12-3	underpowered	1	17
134	Pokorny, Jason	Zenith II	B6-0; B6-6	good flight	2	10
135	Pokorny, Jason	Black Diamond	B6-6	good flight	1	5
136	Pokorny, Jason	Black Diamond	B6-4	contest flight	1	5
137	Pokorny, Jason	Executioner	E9-6	no eject, lawn dart	1	28.5
138	Pokorny, Jason	Photon Disruptor	B6-4		1	5
139	Schaffhausen, Dave	Omloid	C6-3	good flight	1	9
140	Schaffhausen, Dave	Super Neon XL	D12-5	rod locked	1	17
141	Schaffhausen, Dave	Crystalline Entity	D12-3	first flight	1	17
142	Schaffhausen, Dave	Peace Maker	H123-S	good flight	1	223.6
143	Schaffhausen, Dave	Deuces Wild	(2) C6-5	good flight	2	18
144	Schaffhausen, Dave	Crystalline Entity	F24-7	no eject, lawn dart	1	50
145	Schaffhausen, Dave	Comanche	C6-5	good flight	1	9
146	Schaffhausen, Dave	Prospector	C6-5	good flight	1	9
147	Schaffhausen, Nancy	Baby Bertha	C6-5	contest flight	1	9
148	Schaffhausen, Nancy	Lucky 7	A10-3t	good flight	1	2.5
149	Schwartz, Larry	AMRAAM	C6-5		1	9
150	Schwartz, Larry	Stretch D Fat Boy	D12-5		1	17
151	Schwartz, Larry	Stiletto	D12-5		1	17
152	Schwartz, Larry	Stretch D Fat Boy 2-stage	D12-0; D12-5		2	34
153	Schwartz, Larry	2-stage AMRAAM	D12-0; C6-5		2	26
154	Schwartz, Larry	Bullpup	E9-4		1	28.5
155	Schwartz, Larry	Nike Smoke	C6-5	good flight	1	9
156	Schwartz, Larry	Bullpup	E9-4	good flight	1	28.5

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#	Flyer's Name	Rocket's Name	Motor(s)	Comments	Motors	Impulse
157	Schweim, Todd	S3 test model	A3-4t	took piston with it	1	2.5
158	Shmel, Dwayne	LOC IV	H163-7	wadded chute	1	166.3
159	Shmel, Dwayne	Pumpkin Pi	H112	early ejection	1	261.1
160	Shmel, Dwayne	Lil Rascal	I161	1st flight, good	1	328.7
161	Shmel, Dwayne	Art Applewhite Pyramid	D21-4	good flight	1	20
162	Stenberg, Zackary	Rocket Glider	B4-2	good flight	1	5
163	Taylor, Jeff	Honest Goon	C6-5	good flight	1	9
164	Taylor, Jeff	LOC IV	H250	good flight	1	219.5
165	Taylor, Jeff	Interrogator-D	D12-5	drag race	1	17
166	Uhlenkamp, Brian	Thini Mini	A3-4t	good flight	1	2.5
167	Uhlenkamp, Brian	Challenger II Clone	D12-7	good flight	1	17
168	Uhlenkamp, Brian	1987	G64-4	good flight	1	120
169	Uhlenkamp, Brian	1988 Patriot	G64-4	good flight	1	120
170	Uhlenkamp, Brian	ARCAS	G53-7	good flight	1	90.9
171	Uhlenkamp, Brian	Mean Machine	E20-7	with onboard video camera	1	35
172	Uhlenkamp, Julia	Silver Streak	A3-4t		1	2.5
173	Uhlenkamp, Julia	Metalizer	C6-5	good flight	1	9
174	Uhlenkamp, Lukas	Phoenix Bird	B6-4		1	5
175	Uhlenkamp, Lukas	Eggscaliber	D12-3	good flight	1	17
176	Uhlenkamp, Lukas	Planet Probe	B6-0	good flight	1	5
177	Uhlenkamp, Lukas	Cosmic Cobra	C6-3		1	9
178	Uhlenkamp, Lukas	Lukalizer	D12-5		1	17
179	Uhlenkamp, Lukas	Hornet	B6-4	good flight	1	5
180	Uhlenkamp, Lukas	Customizer	C6-3	with Cheez-lts payload	1	9
181	Wirth, Ron	Alien Troop Mover	D12-5		1	17
182	Wirth, Ron	Wasp	D12-5	1st flight, good	1	17
183	Wirth, Ron	Wasp	D12-5	contest flight	1	17
184	Wirth, Ron	Hank	(2) A8-3	good flight	2	5
185	Wirth, Ron	Alien 8	C6-5	good flight	1	9
186	Wirth, Ron	Der Red Max	B6-4	first flight	1	5
187	Wirth, Ron	Interrogator	C6-5		1	9
188	Wirth, Ron	Piranha	D12-3	1st flight, good	1	17
189	Wirth, Ron	Starship Excalibur	A8-3	good flight	1	2.5
190	Wirth, Ron	Satellite Interceptor	B6-2	good flight	1	5
191	Wirth, Ron	USS Prometheus	C6-5	1st flight, good	1	9
192	Wirth, Ron	Nike Smoke	D12-5	1st flight, good	1	17
193	Wirth, Ron	Arapahoe E	D12-5	good flight	1	17
194	Wirth, Ron	Big Daddy	E9-6	good flight	1	28.5
195	Wirth, Ron	Magnum Sprint	C6-5	good flight	1	9

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196	Wirth, Ron	Mighty Mick	E9-6	good flight	1	28.5
197	Wirth, Ron	Fake Wulf	C6-3		1	9
198	Wirth, Ron	Der Red Max	C6-3	good flight	1	9
Total Flights: 198					210	7379.97
Total Motors: 210						
Total Impulse (N-s): 7379.97						
Average Impulse (N-s): 35.1						

Motor Distribution	
MM	1
1/4 A	0
1/2 A	1
A	23
B	28
C	55
D	51
E	19
F	7
G	10
H	12
I	3
J	0

