

MASA launch, Nowthen, July 24, 2010					Total #	Total
#	Flyer's Name	Rocket's Name	Motor(s)	Comments	Motors	Impulse
1	Benninghofen, Hayden	Big Blue	E9-8		1	28.5
2	Benninghofen, Hayden	Little Red	A8-3		1	2.5
3	Benninghofen, Hayden	[unreadable]	C11-3		1	9
4	Benninghofen, Mark	Shout Radio II	E9-8		1	28.5
5	Benninghofen, Morgan	Bullpup	C6-5		1	9
6	Benninghofen, Morgan	Leopard Frog	B6-4		1	5
7	Benninghofen, Morgan	Flash 24	B6-4		1	5
8	Barr, Tim	Saucer	C6-0; C6-3		2	18
9	Barr, Tim	Explorer	F39-6	late eject	1	50
10	Barr, Tim	SLS Laser X	G77-M	shred, exceeded speed of balsa (Laser X drag race)	1	105
11	Brown, Steve	Split-Roc	B6-4	good flight	1	5
12	Brown, Steve	Sham-Roc	D9-4		1	20
13	Brown, Steve	Arreaux	F35-8	lawn dart	1	57.1
14	Brown, Steve	Worm Burner	F39-6		1	50
15	Brown, Steve	Mini Fantom	B6-4	"sometimes wobbly"	1	5
16	Brown, Steve	Mini Max	1/2A3-4t		1	1.25
17	Brown, Steve	Fantom	G67		1	110
18	Brown, Steve	Tweety	B6-4		1	5
19	Brown, Steve	Fantom	H242-M	GPS flight	1	231.7
20	Carpenter, Todd	Tethys	J350-M	L2 certification flight, Success!	1	697
21	Carlson, John	D-Region Tomahawk	E9-6	good flight	1	28.5
22	Carlson, John	Raptor	B6-4		1	5
23	Carlson, John	AGM Stricker	B6-4	first flight	1	5
24	Carlson, John	V-2	B6-4	35 year old rocket	1	5
25	Carlson, John	Vanguard	B6-4		1	5
26	Carlson, John	Laser-X	B6-4	Laser-X drag race	1	5
27	Carlson, John	Ruskie	B6-4		1	5
28	Clifton, John	Venture	B6-4	good flight	1	5
29	Clifton, John	Sport	B6-4	no eject	1	5
30	Clifton, John	Baby Bertha	B6-4	good flight	1	5
31	Clifton, John	Grave Danger II	E9-6		1	28.5
32	Clifton, John	Grave Danger II	F20-7		1	64
33	Clifton, John	Aspire	D12-3	first flight	1	17
34	Clifton, John	Grave Danger II	F20-7		1	64
35	Colt, Jason	Vega	C6-5	core sample	1	9
36	Colt, Jason	Nemesis	B4-4	first flight	1	5
37	Colt, Jason	April Dancer	C6-5		1	9
38	Elgersma, Michael	Javelin	F23-7		1	41.2
39	Estenson, Alan	Blossom (V2)	D12-5	good flight	1	17

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40	Estenson, Alan	Der Grosser Vati	E20-7	good flight	1	35
41	Estenson, Alan	Eight	H180-M	good flight	1	217.7
42	Estenson, Alan	Lazy 8	H123-M	good flight	1	223.6
43	Estenson, Alan	Groove Tube 217	F42-8	good flight	1	52.9
44	Estenson, Alan	Kadet Klone	B4-4	good flight	1	5
45	Estenson, Alan	Razzle Dazzle	D12-5	good flight	1	17
46	Fliger, David	Fliger 2	C6-5	"first on C engine"	1	9
47	Fliger, David	Fliger 1	B6-4	first flight	1	5
48	Fliger, David	James Space Shuttle	B6-4	good flight	1	5
49	Fliger, David	Alli's Rocket	C6-5	good flight	1	9
50	Fliger, David	Guided Bomb	C6-5		1	9
51	Fliger, David	Bullpup	C6-5		1	9
52	Gensler, David	Callisto	G64-10	good flight	1	120
53	Gensler, David	Small Endeavour	H128-M		1	172.9
54	Gensler, David	AMRAAM 4	J350-M	L2 certification flight, Success!	1	697
55	Gibbens, Art	Genesis	H128	L1 certification flight, Success!	1	172.9
56	Gleason, Scott	Marauding Manatee	G79-4		1	108
57	Gleason, Scott	[unreadable]	(6) C11-3, E20-4	underpowered, fencepost	7	89
58	Gleason, Scott	The Box	G79-4	good flight	1	108
59	Griswold, Caleb	Super DX3	G67-M		1	110
60	Hastings, Daniel	Min-Q	C6-5	first flight	1	9
61	Hastings, Daniel	Min-Q	D12-0; C6-5		2	26
62	Hastings, Daniel	Min-Q	B6-4		1	5
63	Hastings, Daniel	Min-Q	C6-0; C6-5		2	18
64	Heren, Andy	Big Bertha	B6-4		1	5
65	Heren, Andy	Photon Disruptor	C6-5	first flight	1	9
66	Heren, Andy	Super Tiger	A8-3	first flight	1	2.5
67	Heren, Andy	Photon Probe	C6-5	first flight	1	9
68	Heren, Andy	Gee-hod	C6-5	first flight	1	9
69	Heren, Andy	Ruskie	C6-5	first flight	1	9
70	Heren, Andy	Mini Max	1/2A3-4t	first flight	1	1.25
71	Heren, Andy	Harpoon	B6-4	first flight	1	5
72	Higgins, Neal	Thor	J350	L2 certification flight, Success!	1	697
73	Higgins, Neal	Texas Twister	A3-4t		1	2.5
74	Higgins, Neal	Milhouse	F27	good flight	1	49.6
75	Higgins, Neal	Weasel	F27-8	good flight	1	49.6
76	Hoyme, Alissa	Tumbleweed	1/4A3-3t	first flight	1	0.63
77	Hoyme, Alissa	Taser Twin	B6-0; B6-6	first flight	2	10
78	Hoyme, Ken	Striker	F50-6	first flight	1	80

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79	Jarosch, Ken	Smiley	G75	good flight	1	120.4
80	Jarosch, Ken	Cluster Saucer	H97	good flight	1	177.3
81	Jarosch, Paul	CiCi	C6-3	nice glide	1	9
82	Jarosch, Paul	Plastique BOINK	C6-5	good flight	1	9
83	Jarosch, Paul	Football BOINK	A10-Pt	good flight	1	2.5
84	Jarosch, Paul	Snitch Refit	E28		1	40
85	Jarosch, Paul	Fun Noodle	C6-5	rod lock	1	9
86	Jarosch, Paul	Red Spool	D12-5	drag race	1	17
87	Jarosch, Paul	White Spool	C11-3	drag race	1	9
88	Jarosch, Paul	Blue Spool	C11-3	drag race	1	9
89	Jarosch, Paul	Patriot	C6-5	give away flight	1	9
90	McDermott, Buzz	Optima	E20	30th flight	1	35
91	McDermott, Buzz	Laser-X	B6-4	Laser-X drag race	1	5
92	Menard, Spenser	Gold Blast	C6-5	first flight	1	9
93	Menard, Spenser	Sky Dart	1/2A3-4t	good flight	1	1.25
94	Menard, Spenser	Gold Blast	B6-4		1	5
95	Merdan, Lyle	Cubit Stealth	A10-Pt	good flight	1	2.5
96	Merdan, Lyle	Baby Bertha	B6-6	good flight	1	5
97	Merdan, Lyle	Laser-X	C6-3	Laser-X drag race	1	9
98	Merdan, Lyle	Sunflower Copter	D13-4	1st flight, shred	1	20
99	Merdan, Lyle	Critter of Death	D12-5	first flight	1	17
100	Merdan, Lyle	V2 of Death	C6-3	good flight	1	9
101	Merdan, Lyle	Technicolor Pyramid...	F50-4	(of death)	1	80
102	Merdan, Lyle	Big Daddy	E30-7	good flight	1	40
103	Moyle, Bob	Tiny Pterodactyl	H128	L1 certification flight, Success!	1	172.9
104	Murphy, Lance	Cosmic Cobra	B6-4		1	5
105	Murphy, Lance	Moon Mutt	1/4A3-3t		1	0.63
106	Murphy, Lance	Cosmic Cobra	B6-4		1	5
107	Murphy, Lance	Cosmic Cobra	C6-5	good flight	1	9
108	Murphy, Scott	Diamond Back	C6-3	good flight	1	9
109	Overby, Glen	I'm (mostly) Yellow	G61-M		1	110.5
110	Roloff, Tyler	Big Bertha	C6-5		1	9
111	Roloff, Tyler	Mabel's Rocket	A8-3		1	2.5
112	Roloff, Tyler	Big Bertha	C6-5		1	9
113	Schaffhausen, Dave	Rubicon	E9-4	good flight	1	28.5
114	Schaffhausen, Dave	Moondog	A3-4t	good flight	1	2.5
115	Schaffhausen, Dave	Liquidator	E9-4		1	28.5
116	Schaffhausen, Dave	Barracuda	E16-4	first flight	1	40
117	Schaffhausen, Dave	Galaxian	E9-4		1	28.5

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118	Schaffhausen, Dave	Ninja	G61-4		1	110.5
119	Schaffhausen, Dave	Hydra	H128-M	first flight	1	172.9
120	Schaffhausen, Dave	Birdie 1	A3-4t		1	2.5
121	Schaffhausen, Nancy	Birdie 2	A3-4t		1	2.5
122	Shmel, Dwayne	"Let's Get Crackin'"	I300	first flight	1	440
123	Shmel, Dwayne	Rock-It	D5-4	late eject	1	17.6
124	Shmel, Dwayne	LOC IV	H90		1	164.2
125	Shmel, Dwayne	V-2	E28	good flight	1	40
126	Shmel, Dwayne	Crayon Rocket	F39-6	good flight	1	50
127	Smith, Garrett	Rawhide	A8-5		1	2.5
128	Smith, Garrett	Rawhide	B6-4		1	5
129	Smith, Garrett	Wizard	B6-4		1	5
130	Smith, Garrett	Wizard	B6-4	no eject	1	5
131	Smith, Garrett	Wizard	B6-4		1	5
132	Smith, Garrett	Wizard	A8-5	good flight	1	2.5
133	Smith, Garrett	Wizard	A8-5		1	2.5
134	Smith, Garrett	Wizard	A8-5	good flight	1	2.5
135	Taylor, Jeff	Interrogator	D12-5	good flight	1	17
136	Taylor, Jeff	Honest Goon	B6-4	first flight	1	5
137	Thomson, Barb	Quark	1/4A3-2t	good flight	1	0.63
138	Vatsaas, Rick	Skowt	D12-5	good flight	1	17
139	Vatsaas, Rick	Skowt	D12-5	good flight	1	17
140	Vittera, Kevin	Shout Radio Rocket II	E9-8		1	28.5
141	Vittera, Kevin	Blue Bullet	C6-5		1	9
142	Vittera, Kevin	Blue Bullet	C6-7		1	9
143	Weismann, Charlie	Serin	A8-3	"1st kit I built myself"	1	2.5
144	Weismann, Charlie	SDI	B6-4		1	5
145	Weismann, Charlie	Comanche-1	B6-4		1	5
146	Weismann, Charlie	Laser-X	B6-6	Laser-X drag race	1	5
147	Weismann, Charlie	Super Tiger	A8-3		1	2.5
148	Weismann, Charlie	Tristar	B6-4	separation	1	5
149	Weismann, Henry	Anti Tank Weapon	A8-3		1	2.5
150	Weismann, Henry	Grasshopper	A8-3		1	2.5
151	Weismann, Joe	NRS - Tube Sock	C6-5	first flight	1	9
152	Weismann, Joe	USA Something	B6-0; A8-3	did not stage, fence post	1	5
153	Weismann, John	Homestar	C6-5		1	9
154	Whitaker, David	AMRAAM 2.5	H124	hybrid	1	225
155	Whitaker, David	Black Brant X	F60-7	good flight	1	75.9
156	Whitaker, David	ASRAAM	(2) D12-5	good flight	2	34

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Total Flights: 156					167	7573.54
Total Motors: 167						
Total Impulse (N-s): 7573.54						
Average Impulse (N-s): 45.4						

Motor Distribution	
MM	0
1/4 A	3
1/2 A	3
A	17
B	38
C	41
D	14
E	15
F	13
G	9
H	10
I	1
J	3

