

MASA launch, Elk River, August 28, 2004					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Caleb Boe	Alpha III	B6-4		1	5
2	Caleb Boe	Alpha	B6-4		1	5
3	Caleb Boe	Alpha	B6-4	good flight	1	5
4	Caleb Boe	Alpha III	B6-4	good flight	1	5
5	Caleb Boe	Shuttle Express	B6-4	good flight	1	5
6	Caleb Boe	Nova Payloader	B6-4	good flight	1	5
7	Caleb Boe	Alpha	B6-4	good flight	1	5
8	Caleb Boe	Shuttle Express	B6-4	good flight	1	5
9	Caleb Boe	Alpha	A8-3	good flight	1	2.5
10	Caleb Boe	Nova Payloader	B6-4	good flight	1	5
11	Seth Cochran	Ted's Sling wing	A10-3t	39 seconds	1	2.5
12	Seth Cochran	Deltie Thunder	D12-3		1	17
13	Ted Cochran	ARV Condor	B4-2	good flight	1	5
14	Ted Cochran	Orbital Transport	B6-2	good flight	1	5
15	Ted Cochran	Payloader	C6-0; A8-5	tangled chute	2	11.5
16	Ted Cochran	Ringhawk	B6-2	no glide but it floated down	1	5
17	Ted Cochran	Ringhawk	B6-4		1	5
18	Ted Cochran	Silver Comet	E9-6		1	29.5
19	Ted Cochran	Screamin' Mimi	D12-5		1	17
20	Ted Cochran	Shuttle Columbia	C5-3		1	9.5
21	Ted Cochran	Silver Comet	D12-3	spinner chute	1	17
22	Ted Cochran	Quest HL20	B6-2	good flight	1	5
23	Eli Curry	Menace	C6-3		1	9
24	Eli Curry	B-BG	B6-2	unsafe?	1	5
25	Eli Curry	[unknown]	C6-3	good flight	1	9
26	Eli Curry	Apex	B6-2	good flight	1	5
27	Eli Curry	Menace	[unknown, assumed C]	good flight	1	9
28	Gib Curry	[unknown]	C11-3	good flight	1	9
29	Gib Curry	[unknown]	C11-7	good flight	1	9
30	Liam Curry	Parasite glider	B6-2	chute didn't open	1	5
31	Liam Curry	[unknown]	B6-2		1	5
32	Liam Curry	[unknown]	B6-2		1	5
33	Mike Erpelding	Deuce's Wild	(2) B6-4	good flight	2	10
34	Mike Erpelding	Stars & Stripes 2	C6-5	drag race	1	9
35	Mike Erpelding	Stars & Stripes	C6-5	drag race	1	9
36	Mike Erpelding	Tinee	1/2A3-2t		1	1.25
37	Mike Erpelding	Halloween Spot Lander	D12-5	good flight	1	17
38	Mike Erpelding	Halloween Spot Lander	D12-5	good flight	1	17
39	Mike Erpelding	Skywinder	C6-3	good flight	1	9
40	Lee Frisvold	Skywinder	C6-3	separation	1	9
41	Lee Frisvold	Blue Ninja	D12-5	good flight	1	17

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42	Lee Frisvold	Patriot	C6-5	wadded chute	1	9
43	Lee Frisvold	Der Red Max Clone	C6-5	good flight	1	9
44	Lee Frisvold	2 stage Fat Boy	D12-0; C6-5	unstable	2	26
45	Lee Frisvold	Gyroc	A8-3	good flight	1	2.5
46	Lee Frisvold	Mollie's Graduator	F20-4	good flight	1	64
47	Lee Frisvold	Public Enemy 3" V2	F23-4	good flight	1	56
48	Art Gibbens	BOINK	B4-4	good flight	1	5
49	Art Gibbens	Satilite Launcher	B4-4	good flight	1	5
50	Art Gibbens	Saturn 1B	B6-2	built in 1973, good flight	1	5
51	Art Gibbens	Toblerone	B4-4	good flight	1	5
52	Art Gibbens	Blue with 4 Fins	B4-4	good flight	1	5
53	Art Gibbens	Gemini DC	B4-4	2 wadded chutes	1	5
54	Art Gibbens	Blue Arrow	B6-0; B6-6	old reliable	2	10
55	Art Gibbens	Rascal	C6-5	good flight	1	9
56	Art Gibbens	Scrambler	C5-3	good flight	1	9.5
57	Art Gibbens	Blue Arrow	D12-0; B6-6		2	22
58	Art Gibbens	Satilite Launcher	B4-4		1	5
59	Art Gibbens	Silver Streak	A8-3	drag race	1	2.5
60	Art Gibbens	Athena	B4-4		1	5
61	Art Gibbens	Rascal	C6-7		1	9
62	Art Gibbens	Toblerone	B4-4		1	5
63	Art Gibbens	Bugsey	1/2A3-2t		1	1.25
64	Art Gibbens	Athena	B4-4	good flight	1	5
65	Art Gibbens	Old Yellow & White	B4-4	good flight	1	5
66	Art Gibbens	Silver Streak	A8-3	good flight	1	2.5
67	Art Gibbens	Alpha	A8-3	good flight	1	2.5
68	Philip Gibbens	Sith Infiltrator	C6-3	separation	1	9
69	Philip Gibbens	Freedom	A6-4	good flight	1	2.5
70	Philip Gibbens	BOINK	B4-4		1	5
71	Philip Gibbens	Helicopter	1/2A3-4t	late ejection	1	1.25
72	Philip Gibbens	Egg Scrambler	C6-5	good flight	1	9
73	Philip Gibbens	Venture	A8-3	good flight	1	2.5
74	Philip Gibbens	Sith Infiltrator	C6-3	good flight	1	9
75	Philip Gibbens	Freedom	A8-3	good flight	1	2.5
76	Philip Gibbens	Venture	B4-4		1	5
77	Philip Gibbens	Freedom	A8-3	drag race	1	2.5
78	Philip Gibbens	Venture	A8-3	drag race	1	2.5
79	Philip Gibbens	Freedom	B4-4	victory flight	1	5
80	Philip Gibbens	Sith Infiltrator	C6-3	lawn dart	1	9
81	Philip Gibbens	Helicopter	1/2A3-2t		1	1.25
82	Philip Gibbens	Freedom	B4-4	good flight	1	5

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#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
83	Ken Jarosch	Lil' Expediter	D12-5		1	17
84	Ken Jarosch	Tinee	1/4A3-3t	rod lock	1	0.63
85	Ken Jarosch	Luna 2	D12-3	good flight	1	17
86	Ken Jarosch	Junk Machine	D12-3	91" long	1	17
87	Ken Jarosch	QCR Ultimate	[unknown, assumed B]	deployed one wing only	1	5
88	Ken Jarosch	Fat Boy	C11-3	good flight	1	9
89	Ken Jarosch	Minnesota Mosquito	D12-5	good flight	1	17
90	Ken Jarosch	L.B. Bertha	D12-3	good flight	1	17
91	Ken Jarosch	Tinee	1/2A3-2t	good flight	1	1.25
92	Ken Jarosch	Tinee	1/4A3-3t	good flight	1	0.63
93	Ken Jarosch	Ultra Blast Lite	E30-4		1	40
94	Paul Jarosch	Menace	C6-5	drag race	1	9
95	Paul Jarosch	Wacky Wiggler	B6-4	good flight	1	5
96	Paul Jarosch	Apollo 13 Command Mod.	A3-4t	good flight	1	2.5
97	Paul Jarosch	Boink-less	C6-5	good flight	1	9
98	Paul Jarosch	F14 Tomcat	C6-3	good flight	1	9
99	Paul Jarosch	F14 Tomcat	C6-3	late deploy, short glide	1	9
100	Paul Jarosch	Menace	C6-3	chute didn't open	1	9
101	Paul Jarosch	Lego-Man Lifter	A8-3	good flight	1	2.5
102	Paul Jarosch	Big Daddy Lifter	D12-3	separation	1	17
103	Paul Jarosch	Big Daddy Lifter	D12-3, (2) A10-3t	lawn dart	3	22
104	Paul Jarosch	Tornado	A8-3	good flight	1	2.5
105	Paul Jarosch	Boink-less	C6-5	good flight	1	9
106	Paul Jarosch	Apollo 13 Command Mod.	A10-3t	no eject	1	2.5
107	Brett McDowell	Zenith	C6-0; B6-4	good flight	2	14
108	Brett McDowell	Guardian Python	B6-4	good flight	1	5
109	Brett McDowell	Stormchaser	D12-7	good flight	1	17
110	Brett McDowell	Screamin' Mimi	D12-5	no chute	1	17
111	Brett McDowell	Paveway	A8-3	low low flight	1	2.5
112	Brett McDowell	[unknown]	1/2A3-2t	good flight	1	1.25
113	Brett McDowell	Guardian Python	C6-5	good flight	1	9
114	Heather Myers	Death Star	B6-4		1	5
115	Heather Myers	Stealth Saucer	A10-3t	spins	1	2.5
116	Heather Myers	Gyroc Clone	A8-3	good flight	1	2.5
117	Heather Myers	CiCi	A8-3	no glide	1	2.5
118	Jim Myers	Turbo 2000 Condor	D12-0; D12-3	CHAD staged	2	34
119	Jim Myers	24mm Deuce	(2) D12-0; (2) D12-3	CHAD staged, "prang of the year!"	4	68
120	Jim Myers	Ecee Thunder	D12-3	good flight	1	17
121	Jim Myers	Deuce's Wild	(2) C6-5	good flight	2	18
122	Jim Myers	Scissor Wing Transport	C6-3	clone	1	9
123	Jim Myers	Fat Boy	D12-5		1	17

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#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
124	Jim Myers	Tres	(3) C6-5	good flight	3	27
125	Jim Myers	Caveman Goblin	D12-7	good flight	1	17
126	Justine Myers	Saucer	C6-5	good flight	1	9
127	Justine Myers	Mini Deuce	(2) A10-3t		2	5
128	Justine Myers	Gyroc	B6-4		1	5
129	Justine Myers	Astrocarn	C6-7	prang	1	9
130	Justine Myers	Venus Probe	C6-3	good flight	1	9
131	Glen Overby	3FNC	C6-5	good flight	1	9
132	Glen Overby	Flaming Arrow of Death	C6-3	drag race	1	9
133	Glen Overby	3FNC #3	C6-0; B6-4	good flight	2	14
134	Glen Overby	3FNC #2	C6-3	good flight	1	9
135	Glen Overby	Tuber 020	B4-4	separation	1	5
136	Glen Overby	G56B	C11-5	good flight	1	9
137	David Whitaker	Space Cruiser of Ext Agony	(2) A10-Pt, C6-5		3	14
138	David Whitaker	Sidewinder	C5-3	drag race	1	9.5
139	David Whitaker	DC-Y	C5-3	good flight	1	9.5
140	David Whitaker	Mustang	E23-5	good flight	1	37
141	David Whitaker	Gemini Thunder	D12-3	CRASH!!!	1	17
142	David Whitaker	Space Cruiser of Ext Agony	(2) A10-Pt, C6-5		3	14
143	David Whitaker	DeeCee Thunder	D12-3		1	17
144	David Whitaker	Meaner Machine	D12-0; D12-7	CHAD staged, no chute	2	34
145	David Whitaker	Ecee Thunder	D12-3	good flight	1	17
146	David Whitaker	DeeCee Thunder	D12-3	"Curse you Red Baron!"	1	17
Total Flights: 146					168	1518.26
Total Motors: 168						
Total Impulse (N-s): 1518.26						
Average Impulse (N-s): 9.0						
Motor Distribution						
MM	0					
1/4 A	2					
1/2A	6					
A	28					
B	47					
C	48					
D	32					
E	3					
F	2					
G	0					
H	0					