

MASA launch, White Bear Lake, September 25, 2004					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Jeffrey Brink	Falcon	B6-4	Jeff's first rocket!	1	5
2	Jeffrey Brink	Falcon	C6-5	good flight	1	9
3	Jeffrey Brink	Falcon	B6-4	tangled chute	1	5
4	Jeffrey Brink	Falcon	C6-5	good flight	1	9
5	Caleb Boe	Alpha	B6-4	good flight	1	5
6	Caleb Boe	Nova Payloader	[unknown, assumed B]		1	5
7	Caleb Boe	Shuttle Express	B6-4	1 glider stuck, 1 plummeted	1	5
8	Caleb Boe	Alpha	B6-4	23.69, NARTREK Bronze streamer duration attempt	1	5
9	Caleb Boe	Venus Probe	C6-3	not much altitude, last second ejection	1	9
10	Caleb Boe	CC Express	D12-5	NARTREK Bronze D motor flight	1	17
11	Caleb Boe	Alpha	B6-4	25.9, NARTREK Bronze streamer duration attempt	1	5
12	Caleb Boe	Alpha III	B6-4	good flight	1	5
13	Caleb Boe	Alpha	B6-4	20, NARTREK Bronze streamer duration attempt	1	5
14	Caleb Boe	CC Express	D12-0; C11-5		2	26
15	Caleb Boe	Alpha	B6-4	25, NARTREK Bronze streamer duration attempt	1	5
16	Caleb Boe	Gemini DC	B6-4	good flight	1	5
17	Caleb Boe	Alpha III	B6-4	no chute	1	5
18	Caleb Boe	Alpha	B6-4	good flight	1	5
19	Daniel Boe	Wacky Wiggler	1/2A6-2	rod locked, "not enough power"	1	1.25
20	Daniel Boe	Wacky Wiggler	B6-4	good flight	1	5
21	Daniel Boe	Exo-Skell	C6-3	pruned the tree	1	9
22	Daniel Boe	Wacky Wiggler	B6-4		1	5
23	Daniel Boe	Wacky Wiggler	B6-4	good flight	1	5
24	Joshua Boe	Discovery	MM	unstable	1	0.3
25	Joshua Boe	X-Ray	A3-4t	good flight	1	2.5
26	Joshua Boe	Tomahawk	MM	good flight	1	0.3
27	Joshua Boe	X-Ray	A3-4t	cruise missile	1	2.5
28	Joshua Boe	Raw Fusion	MM	good flight	1	0.3
29	Joshua Boe	Discovery	MM	unstable	1	0.3
30	Joshua Boe	X-Ray	1/2A3-2t	separation	1	1.25
31	Joshua Boe	Tomahawk	MM	good flight	1	0.3
32	Joshua Boe	Raw Fusion	MM	good flight	1	0.3
33	Joshua Boe	X-Ray	1/2A3-2t	separation	1	1.25
34	Joshua Boe	X-Ray	1/2A3-2t	separation	1	1.25
35	Russ Durkee	Cuda	D7	good flight	1	20
36	Russ Durkee	Cuda	D7	good flight	1	20
37	Russ Durkee	Modified Edmonds	D12-3	minimal R/C control	1	17
38	Russ Durkee	Modified Edmonds	F12-3	tried again	1	45
39	Mike Erpelding	Stars & Stripes	B6-4	good flight	1	5
40	Mike Erpelding	1/2A Super Roc Alt Model	A10-3t	separation	1	2.5
41	Mike Erpelding	Tornado	A8-3	drag race	1	2.5

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42	Mike Erpelding	Halloween Spot Lander	C11-3	good flight	1	9
43	Mike Erpelding	Deuce's Wild	(2) B6-4	drag race	2	10
44	Mike Erpelding	Max Trax	B6-4	good flight	1	5
45	Mike Erpelding	Mach 12	B6-4	good flight	1	5
46	Alan Estenson	Razor	A6-4	good flight	1	2.5
47	Alan Estenson	Mostly Quest 2	B4-4	good flight	1	5
48	Alan Estenson	F3Y	B6-4	good flight	1	5
49	Alan Estenson	EZ C6-5	B6-4	good flight	1	5
50	Alan Estenson	Bullpup	B6-4	good flight	1	5
51	Alan Estenson	Xactron Projectile	C6-5	good flight	1	9
52	Alan Estenson	Harmonize	C11-3	good flight	1	9
53	Alan Estenson	Maniac	D12-7	good flight	1	17
54	Alan Estenson	Der lil' Red Max	A10-3t	good flight	1	2.5
55	Alan Estenson	Super Duper Serval	C11-5	good flight	1	9
56	Alan Estenson	Fat Boy	C5-3	good flight	1	9.5
57	Alan Estenson	Python	D12-5	good flight	1	17
58	Alan Estenson	Cherub	A10-3t	good flight	1	2.5
59	Alan Estenson	Super Duper Blobbo	D12-5	good flight	1	17
60	Brenda Everitt	Glitter Bomb	B4-4	"with pom-pom recovery"	1	5
61	Brenda Everitt	"Big Brenda"	C11-5	good flight	1	9
62	David Gensler	Stonebreaker	D12-5	tangled chute	1	17
63	David Gensler	Orion	D12-5	good flight	1	17
64	David Gensler	Snarky	D12-5	separation	1	17
65	David Gensler	Freedom Forge Missile	B6-4		1	5
66	David Gensler	Stingray	B6-4	shy chute	1	5
67	David Gensler	Perseus II	(2) D12-5	good flight	2	34
68	David Gensler	Kappa 9M	(3) B6-4	good flight	3	15
69	David Gensler	Deuce's Wild	(2) B6-4	good flight	2	10
70	David Gensler	Legacy	F50-9	nice flight, retrieved from tree	1	80
71	David Gensler	Tres	(3) C6-3	good flight	3	27
72	Lee Grimm	Fat Boy	C6-5	good flight	1	9
73	Lee Grimm	Mark II	A8-5	"golden oldie"	1	2.5
74	Lee Grimm	Straight Up	1/2A3-4t	good flight	1	1.25
75	Lee Grimm	Alpha III	1/2A6-2	good flight	1	1.25
76	Ken Jarosch	Sparrow	A3-4t	good flight	1	2.5
77	Ken Jarosch	Pip Squeak II	B6-4	good flight	1	5
78	Ken Jarosch	Antari	C6-7	good flight	1	9
79	Ken Jarosch	Orange Bullet	1/2A3-4t	good flight	1	1.25
80	Ken Jarosch	Honest John	D12-3	good flight	1	17
81	Ken Jarosch	Super Vega	D12-3	beautiful!	1	17
82	Ken Jarosch	Super Big Bertha	D12-3	good flight	1	17

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83	Ken Jarosch	Interceptor	D12-3	good flight	1	17
84	Ken Jarosch	Tornado	A8-3	good flight	1	2.5
85	Ken Jarosch	Firehawk	C11-3	good flight	1	9
86	Ken Jarosch	Katyscha Slim	C11-3	junkyard rocket	1	9
87	Ken Jarosch	High Flying Jester	C11-3	junkyard rocket	1	9
88	Paul Jarosch	Apollo 13 Command Mod.	A10-3t	wadded chute	1	2.5
89	Paul Jarosch	Cruise Missile	A10-3t	good flight	1	2.5
90	Paul Jarosch	Yankee Revisited	B6-4	good flight	1	5
91	Paul Jarosch	Boink-less	B6-4	good flight	1	5
92	Paul Jarosch	CATO	C6-0	lotsa parts (on purpose)	1	9
93	Paul Jarosch	Menace	C6-5	good flight	1	9
94	Paul Jarosch	Lego-man Lifter	C6-5		1	9
95	Paul Jarosch	Wacky Wiggler	C6-5	good flight	1	9
96	Paul Jarosch	Strike Fighter	C6-3	good flight	1	9
97	Paul Jarosch	Tornado	A8-3	drag race	1	2.5
98	Paul Jarosch	CATO	C6-0	with troll	1	9
99	Paul Jarosch	Lego-man Lifter	B6-4	good flight	1	5
100	Paul Jarosch	Apollo 13 Command Mod.	A10-3t		1	2.5
101	Andrew LeMay	Heatseeker	B6-4		1	5
102	Ellison Lenz	Gemini DC	B6-2	good flight	1	5
103	Ellison Lenz	Twinsee	B6-2	shred	1	5
104	Ellison Lenz	Razor	B6-2		1	5
105	Ellison Lenz	Bullpup	C6-3	good flight	1	9
106	Ellison Lenz	Red Doom	F20-4	good flight	1	64
107	Ellison Lenz	Invader	A10-Pt	good flight	1	2.5
108	Ellison Lenz	United We Stand	(3) A8-3	good flight	3	7.5
109	Ellison Lenz	United We Stand	(3) B6-4	good flight	3	15
110	Ellison Lenz	Fat Boy	D12-3	good flight	1	17
111	Ellison Lenz	Snitch	C6-0	good flight	1	9
112	Ellison Lenz	Fat Boy	D12-3	good flight	1	17
113	Ellison Lenz	Red Doom	F20-4	landed off field, retrieved	1	64
114	Ellison Lenz	Alpha III	B6-4	good flight	1	5
115	Stuart Lenz	Micro Deltie	MM		1	0.3
116	Stuart Lenz	Micro Interceptor	MM	good flight	1	0.3
117	Stuart Lenz	Alien 8	B6-4	good flight	1	5
118	Stuart Lenz	Andromeda	C6-5	good flight	1	9
119	Stuart Lenz	Patrol Cruiser Excalibur	B6-2	good flight	1	5
120	Stuart Lenz	Dragon Ship 7	C6-5	good flight	1	9
121	Stuart Lenz	Super Roc	A8-5	good flight	1	2.5
122	Stuart Lenz	Shark Tube Fin	A8-5	good flight	1	2.5
123	Stuart Lenz	Stars & Stripes	B6-4	good flight	1	5

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124	Stuart Lenz	Atlas 2	(2) A8-3	good flight	2	5
125	Stuart Lenz	Nike Smoke	A8-5	late ejection	1	2.5
126	Stuart Lenz	Saturn V	B6-4	good flight	1	5
127	Stuart Lenz	Renegade Qubix	A10-Pt	good flight	1	2.5
128	Stuart Lenz	Renegade Qubix	A10-Pt	good flight	1	2.5
129	Stuart Lenz	Qubix	B6-0	good flight	1	5
130	Stuart Lenz	Luna 2	A8-3	good flight	1	2.5
131	Stuart Lenz	Laser guided bomb	(3) B6-4	good flight	3	15
132	Stuart Lenz	U.S. Air Force	A8-3	tangled & lost a fin	1	2.5
133	Stuart Lenz	STL-NX1	A8-3	good flight	1	2.5
134	Stuart Lenz	3	A10-3t	good flight	1	2.5
135	Stuart Lenz	Ion Pulsar	A8-3	good flight	1	2.5
136	Stuart Lenz	Nova Payloader	A8-3	nose separated	1	2.5
137	Stuart Lenz	Tube Fin #9	(3) A10-3t		3	7.5
138	Stuart Lenz	Deuce's Wild	(2) B6-4	only lit one	1	5
139	Stuart Lenz	Tube Fin 3x3	(3) A8-3		3	7.5
140	Stuart Lenz	Glider	A8-3		1	2.5
141	Glen Overby	4FNC + Paint	C6-3	good flight	1	9
142	Glen Overby	Funky #2	D12-3	3 colors of paint!	1	17
143	Glen Overby	Tuber Jr II	B6-4		1	5
144	Mark Thell	Quest	A8-3	12.56 sec streamer duration	1	2.5
145	Mark Thell	Quest	A8-3	good flight	1	2.5
146	Mark Thell	Quest	A8-3	14.7 sec streamer duration	1	2.5
147	Mark Thell	MPC Lunar Patrol	A8-3	"1st kit I ever had"	1	2.5
148	Mark Thell	Cherokee D	C11-3	early eject	1	9
149	Mark Thell	Dual Egg Lofter	D12-5	test flight	1	17
150	Mark Thell	Green Glider Carrier	B6-4	good flight	1	5
151	Mark Thell	AMRAAM	C6-3	good flight	1	9
152	Mark Thell	Fat Boy	C6-5	drag race	1	9
153	Mark Thell	Aerobee "Really" Hi	C6-5	good flight	1	9
154	Mark Thell	Renegade Kitbash	C11-3		1	9
155	Benjamin Voissem	No Name Rocket	A8-3	"Ben's first rocket!"	1	2.5
156	Ben Voissem	Water Swimmer	A8-3	good flight	1	2.5
157	Ben Voissem	TV Programmer	B6-4	good flight	1	5
158	Ben Voissem	Water Swimmer	A8-3	good flight	1	2.5
159	Ben Voissem	TV Programmer	B6-4	good flight	1	5
160	Ben Voissem	Water Swimmer	B6-4		1	5
161	Ben Voissem	Keyhole 1	C6-5		1	9
162	Ben Voissem	No Name Rocket	B6-4	good flight	1	5
163	Ben Voissem	No Name Rocket	B6-4	good flight	1	5
164	David Voissem	Keyhole 1	B6-4		1	5

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#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
165	David Whitaker	Bullpup	B6-4	good flight	1	5
166	David Whitaker	The Deadly Sidewinder	C5-3	1 tangled chute	1	9.5
167	David Whitaker	Fat Boy	C5-3	good flight	1	9.5
168	David Whitaker	AMRAAM	C6-5	good flight	1	9
169	David Whitaker	Super Eagle	C6-3	good flight	1	9
170	David Whitaker	DC-Y	C5-3	one chute out of two	1	9.5
171	David Whitaker	Fat Boy	C5-3		1	9.5
172	David Whitaker	Space Cruiser of Death	(2) A10-Pt, C6-5	lit two?	2	11.5
173	David Whitaker	Tinee	A3-4t	good glide	1	2.5
174	David Whitaker	Ecee	A3-4t	lost some pieces, but still flew on	1	2.5
175	David Whitaker	Super Eagle	C6-5	good flight	1	9
<b>Total Flights: 175</b>					<b>195</b>	<b>1460.65</b>
<b>Total Motors: 195</b>						
<b>Total Impulse (N-s): 1460.65</b>						
<b>Average Impulse (N-s): 7.5</b>						
<b>Motor Distribution</b>						
MM	8					
1/4 A	0					
1/2A	7					
A	48					
B	63					
C	44					
D	21					
E	0					
F	4					
G	0					
H	0					