

MASA launch, Elk River, May 24, 2003					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Allison Carpenter	Venom	B6-4	good flight	1	5
2	Allison Carpenter	Big Bertha	C6-5	good flight	1	9
3	Elliot Carpenter	Big Bertha	B6-4	good flight	1	5
4	Elliot Carpenter	Venom	B6-4	good flight	1	5
5	Todd Carpenter	Flying Camera of Death	C6-5	separation	1	9
6	Seth Cochran	Saturn VI	C11-3	Rocket League flight	1	9
7	Seth Cochran	Saturn VI	C11-3	Rocket League flight	1	9
8	Seth Cochran	Saturn VI	C11-3	Rocket League flight	1	9
9	Seth Cochran	Saturn VI	C11-3	Rocket League flight	1	9
10	Seth Cochran	no name	2 x MicroMaxx	good flight	2	0.6
11	Ted Cochran	STS Columbia	C5-3	good flight	1	9.5
12	Ted Cochran	Orbital Transport	C6-3	good flight	1	9
13	Ted Cochran	KosRox Mars Lander	D12-3	good flight	1	17
14	Ted Cochran	ARV Condor	C6-3	good flight	1	9
15	Ted Cochran	KosRox Mars Lander	D12-3	good flight	1	17
16	Ted Cochran	Skywinder	C6-3	good flight	1	9
17	Ted Cochran	Titan IIIIE	(2) C5-3	lost a booster or something at ejection	2	19
18	Ted Cochran	Tornado	1/2A6-2	29th flight of this rocket	1	1.25
19	Ted Cochran	1/12 Tethys	MicroMaxx	unstable	1	0.3
20	Ted Cochran	Silver Comet	E9-4	34th flight of this rocket	1	29.5
21	Mike Erpelding	Scrambler	C5-3	egg's second orbit	1	9.5
22	Mike Erpelding	Scrambler	C6-3	egg's 3rd orbit	1	9
23	Mike Erpelding	Blue Streak	B6-4		1	5
24	Mike Erpelding	Scrambler	C6-3	egg's 4th orbit	1	9
25	Mike Erpelding	MaxTrax	C6-5	561 ft readout from freefall "altimeter"	1	9
26	Mike Erpelding	Silver Moon	(2) A3-4t	separation	2	5
27	Mike Erpelding	Stonebreaker	B6-4	good flight	1	5
28	Alan Estenson	Tangent	B4-4	good flight	1	5
29	Alan Estenson	CiCi	A8-3	ok glide	1	2.5
30	Alan Estenson	Tangent	C6-5	good flight	1	9
31	Alan Estenson	Super Duper Serval	D12-7	good flight	1	17
32	Alan Estenson	Warrior 50	C6-5	good flight	1	9
33	Alan Estenson	Python	E9-6	good flight	1	29.5
34	Alan Estenson	Wicked Winnie	C6-5	nice flight, straight up	1	9
35	Alan Estenson	Bullpup	C6-5	good flight	1	9
36	Alan Estenson	Silver Comet	D12-5	good flight	1	17
37	Alan Estenson	CiCi	B4-2	kicked off rod, short glide	1	5
38	Alan Estenson	Ecee	A10-3t	ok glide	1	2.5
39	Alan Estenson	Sidewinder	D12-5	separated - lawn dart	1	17
40	Alan Estenson	Tinee	A3-4t	broke in half at motor ejection	1	2.5
41	Alan Estenson	Rings of Fire	D12-0; D12-5	good flight	2	34

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42	Alan Estenson	Ecee	A10-3t	ok glide	1	2.5
43	Alan Estenson	Wicked Winnie	C11-0; C6-7	CHAD staged, very nice flight, landed 3 ft away	2	18
44	Alan Estenson	Deltie	A10-3t	nice glide	1	2.5
45	Alan Estenson	Silver Comet	C11-0; D12-7	CHAD staged, did not stage, lawn dart - #ouch#	1	9
46	Alan Estenson	CiCi	B6-2	ok glide	1	5
47	Alan Estenson	Super Duper Serval	E9-8	very nice flight	1	29.5
48	Forrest Fritz-Storhaug	Bandit	A8-3	good flight	1	2.5
49	Forrest Fritz-Storhaug	Alpha III	C6-7	good flight	1	9
50	Brian Handeland	Big Daddy	D12-5	unstable	1	17
51	Brian Handeland	Yellow Jacket	C6-5	good flight	1	9
52	Brian Handeland	Long Shot	C6-3	good flight	1	9
53	Brian Handeland	Thunderhawk	B6-4	good flight	1	5
54	Josh Handeland	Mean Machine	D12-5	tangled chute	1	17
55	Josh Handeland	Starhawk	A8-3	good flight	1	2.5
56	Josh Handeland	Viking	B6-4	separation	1	5
57	Steven Handeland	V2	D12-5	good flight	1	17
58	Steven Handeland	Pathfinder	D12-5	good flight	1	17
59	Steven Handeland	Fat Boy	C6-3	good flight	1	9
60	Alissa Hoyme	CC Express	C11-0; C11-7	perfect staging	2	18
61	Alissa Hoyme	Mean Machine	D12-5	good flight	1	17
62	Alissa Hoyme	Nemesis	C6-5	good flight	1	9
63	Ken Hoyme	SPEV	B6-4	built in about 1971, good flight	1	5
64	Ken Hoyme	Goblin	D12-5	good flight	1	17
65	Ken Hoyme	SPEV	C6-3	"Spare Parts Elimination Vehicle"	1	9
66	Ken Hoyme	Star Dart	C6-7	good flight	1	9
67	Kirsten Hoyme	WAC Corporal	E9-6	lots of altitude!	1	29.5
68	Ken Jarosch	Big Daddy	E9-4	unstable - cruise missile / land shark	1	29.5
69	Ken Jarosch	Optima	E18-4	good flight	1	39
70	Ken Jarosch	Executioner	E28-4	good flight	1	40
71	Ken Jarosch	Super Big Bertha	F12-3	very nice flight	1	45
72	Ken Jarosch	Shadow	F24-4	good flight	1	50
73	Ellison Lenz	MFOGR	B4	broken fins	1	5
74	Ellison Lenz	United We Stand	(3) A8-3	6' flight - lawn dart (lit only 2 motors)	2	5
75	Ellison Lenz	United We Stand	(3) B6-4	tangled chute	3	15
76	Ellison Lenz	Shuttle Xpress	B4-2	gliders did excellent rock imitation	1	5
77	Ellison Lenz	Star Fighter	C6-5	unstable	1	9
78	Ellison Lenz	Spool	C6-5	"Where's the rest of the rocket?"	1	9
79	Ellison Lenz	Spool	C6-5	"Where's the rest of the rocket?"	1	9
80	Ellison Lenz	Spool	C6-5	"Where's the rest of the rocket?"	1	9
81	Ellison Lenz	Toblerone	C6-3		1	9
82	Ellison Lenz	Pathfinder	C11-3	good flight	1	9

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83	Ellison Lenz	Pathfinder	D12-3	separation - ejected motor mount	1	17
84	Ellison Lenz	Courier	C6-3	egg's 5th flight, broke on removal from rocket	1	9
85	Ellison Lenz	Spool	C6-3	Rest of rocket, still missing	1	9
86	Ellison Lenz	Stupid #1	(3) A10-3t	good flight	3	7.5
87	Ellison Lenz	Stupid #2	B6-0; A8-5	good flight	2	7.5
88	Ellison Lenz	CiCi	A8-3	good flight	1	2.5
89	Stuart Lenz	Estes Shuttle of Doom	C6-3	good flight	1	9
90	Stuart Lenz	Flat Cat Clone	C6-3	"curse you red baron!"	1	9
91	Stuart Lenz	1948	C6-5	clone, good flight	1	9
92	Stuart Lenz	Orange #5	D12-5	good flight	1	17
93	Stuart Lenz	SS Cassiopeia	C6-3	clone, good flight	1	9
94	Stuart Lenz	Baby Bertha	C6-5	good flight	1	9
95	Stuart Lenz	CiCi	A8-3	no glide - didn't eject motor	1	2.5
96	Stuart Lenz	CiCi	B6-4		1	5
97	Stuart Lenz	Luna 1	C6-5	clone, good flight	1	9
98	Stuart Lenz	Luna 3	C6-5	separation	1	9
99	Stuart Lenz	Super Bird	C6-5	good flight	1	9
100	Stuart Lenz	Quest Apollo	C6-5	good flight	1	9
101	Stuart Lenz	Wicked Winnie	C6-5	good flight	1	9
102	Stuart Lenz	ARV Condor	B6-4	"It lives"	1	5
103	Stuart Lenz	V2	C6-5	unstable, lawn dart	1	9
104	Stuart Lenz	Banshee Extended	C6-5	good flight	1	9
105	Stuart Lenz	Venus Probe	C6-3	good flight	1	9
106	Stuart Lenz	Banshee Extended	C6-0; A8-5		2	7.5
107	Stuart Lenz	MASA Patriot	C6-5	good flight	1	9
108	Stuart Lenz	Phoenix	D12-3	good flight	1	17
109	Stuart Lenz	Red Tube Fin #5	A10-3t	unstable	1	2.5
110	Stuart Lenz	Stomp Infinity	E9-4	over the highway	1	29.5
111	Eric Myers	Mean Machine	D12-3	3 paratroopers on board	1	17
112	Eric Myers	Crusader	C6-5	clone, no glide	1	9
113	Heather Myers	Mean Machine	D12-3	2 paratroopers on board	1	17
114	Heather Myers	Death Star	C6-5	melted chute	1	9
115	Jim Myers	Skywinder	B6-2	separation	1	5
116	Jim Myers	Deuce's Wild	(2) B6-4		2	10
117	Jim Myers	Deuce's Wild	(2) C6-5	good flight	2	18
118	Jim Myers	Crusader	C6-5	clone, no glide	1	9
119	Jim Myers	Deuce's Wild	(2) B6-4	good flight	2	10
120	Jim Myers	Deuce's Wild	(2) C6-5	good flight	2	18
121	Justine Myers	Death Star	B6-4	good flight	1	5
122	Justine Myers	Death Star	B6-4	good flight	1	5
123	Justine Myers	Mean Machine	D12-5	good flight	1	17

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#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
124	Glen Overby	Too Many Tubes	B6-4	good flight	1	5
125	Glen Overby	Five	D12-3		1	17
126	Glen Overby	Aerobee 300A	D12-5	good flight	1	17
127	Glen Overby	Altitude Junkie	D12-7	good flight	1	17
128	Glen Overby	Altitude Junkie	E9-8	"whoa, where'd it go?"	1	29.5
129	Glen Overby	Generic A	C6-5	good flight	1	9
130	Glen Overby	Aerobee 350	D12-5	good flight	1	17
131	Glen Overby	Aerobee 300	D12-7	good flight	1	17
132	Glen Overby	Generic B	E9-6	good flight	1	29.5
133	Glen Overby	Five	E9-4	unstable	1	29.5
134	Mark Thell	Lofter	C5-3	nice egg, good egg	1	9.5
135	Mark Thell	Yellow & Black	D12-7	separation	1	17
136	Mark Thell	Ugly Yellow Green	C6-5	parasite glider - great glide!	1	9
137	Mark Thell	Impulse	(2) D12	no chute	2	34
138	Mark Thell	Omega Clone	D12-0; B6-4		2	22
139	Mark Thell	Fat Boy	C6-5	good flight	1	9
140	Mark Thell	Pathfinder	D12-7	good flight	1	17
141	Austin Whitaker	Nike Smoke	B6-4	good flight	1	5
142	Austin Whitaker	Nike Smoke	C6-5	good flight	1	9
143	Austin Whitaker	Nike Smoke	B6-4	good flight	1	5
144	Austin Whitaker	Nike Smoke	C6-5	good flight	1	9
145	Austin Whitaker	Nike Smoke	C6-5	separation	1	9
146	Austin Whitaker	Nike Smoke	C6-5	separation	1	9
147	Austin Whitaker	Alpha III	B6-4	good flight	1	5
148	Austin Whitaker	Alpha III	B6-4	good flight	1	5
149	David Whitaker	Eggstravaganza 18	C6-5	fully egg'ed	1	9
150	David Whitaker	Deltie	A3-4t	Nartrek Silver flight - 34 seconds duration	1	2.5
151	David Whitaker	Astron Cobra	(3) A8-3	Nartrek Silver flight	3	7.5
152	David Whitaker	Lance	D12-5	good flight	1	17
153	David Whitaker	Eliminator	D12-5	good flight	1	17
154	David Whitaker	AMRAAM	C6-5	good flight	1	9
155	David Whitaker	Deltie	A3-4t	good flight	1	2.5
156	David Whitaker	Alpha III	A8-3	good flight	1	2.5
Total Flights: 156					177	1837.65
Total Motors: 177						
Total Impulse (N-s): 1837.65						
Average Impulse (N-s): 10.4						
Motor Distribution						
MM	3					
1/4 A	0					

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#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1/2 A	1					
	A		25			
	B		32			
	C		72			
	D		31			
	E		11			
	F		2			
	G		0			
	H		0			