

MASA launch, Elk River, June 26, 2004 (Sport flights)					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Ted Cochran	KosRox Mars Lander	D12-3	good flight	1	17
2	Alan Estenson	Stomp	B6-4	its final BOINK	1	5
3	Lee Frisvold	Wicked Winnie	B6-4		1	5
4	Charles Gagnon	The Melter	C6-5		1	9
5	Charles Gagnon	Rubber Frog	C6-5	good flight	1	9
6	Charles Gagnon	Flower Power	A8-3	separation	1	2.5
7	David Gensler	Tiny Pterodactyl	F50-9	good flight	1	80
8	David Gensler	Long Overdue	B6-4		1	5
9	David Gensler	Bullpup 12D	B6-4	good flight	1	5
10	David Gensler	AVRA	D12-3	good flight	1	17
11	David Gensler	lil' Nuke	E15-4		1	40
12	David Gensler	Mustang	F25-9		1	80
13	Alex Holtzman	poof	C6-7		1	9
14	Alex Holtzman	Screamin Mimi	D12-3		1	17
15	Alex Holtzman	Flash	C6-5		1	9
16	Alex Holtzman	poof	C6-3		1	9
17	Daniel Holtzman	X-Ray	1/2A3-4t		1	1.25
18	Daniel Holtzman	Wacky Wiggler	B6-4		1	5
19	Daniel Holtzman	Razor	C6-5	good flight	1	9
20	Daniel Holtzman	Wacky Wiggler	C6-3	good flight	1	9
21	Daniel Holtzman	Cyclone	C6-3	good flight	1	9
22	Daniel Holtzman	Cyclone	C6-3	good flight	1	9
23	Daniel Holtzman	Cyclone	C6-3	good flight	1	9
24	Daniel Holtzman	Razor	C6-3	unstable	1	9
25	Ken Jarosch	Borg Cube	C5-3	good flight	1	9.5
26	Paul Jarosch	Missile	A3-4t		1	2.5
27	Paul Jarosch	Wacky Wiggler	C6-5	good flight	1	9
28	Paul Jarosch	Cruise Missile	A3-4t		1	2.5
29	Paul Jarosch	Wacky Wiggler	B6-4		1	5
30	Ellison Lenz	A-9 test	B6-2		1	5
31	Ellison Lenz	Twinsee	C6-3		1	9
32	Ellison Lenz	A9 / A10 ICBM	C11-0; B6-6	did not stage, lawn dart	1	9
33	Ellison Lenz	Spool	C6-5	good flight	1	9
34	Ellison Lenz	Spool	D21-4		1	20
35	Ellison Lenz	Stomp	C6-5	good flight	1	9
36	Stuart Lenz	FOTL	C6-3		1	9
37	Stuart Lenz	American Freedom	C6-3	good flight	1	9
38	Stuart Lenz	Long Overdue	C6-3	good flight	1	9
39	Stuart Lenz	Stuart's Oddest Rocket	C6-0; C6-3	slow boost, good flight	2	18
40	Brett McDowell	Alpha III	C6-3		1	9
41	Eric Myers	Astrosat	B6-4	good flight	1	5

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#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
42	Jim Myers	Geminee Thunder	D12-3	good flight	1	17
43	Jim Myers	Gyroc Clone	B6-4	good flight	1	5
44	Justine Myers	Crusader	C6-3	wing didn't deploy	1	9
45	Justine Myers	Crusader	C6-3	good flight	1	9
46	Justin Nelson	Razor	B6-4	good flight	1	5
47	Justin Nelson	Lightning Bolt	A8-3		1	2.5
48	Mark Nelson	X-15	A10-3t	good flight	1	2.5
49	Mark Nelson	Lightning Bolt	A8-3		1	2.5
50	Mark Nelson	Goldstar	B6-4		1	5
51	Mark Nelson	Goldstar	C6-3	good flight	1	9
52	Nicole Nelson	X-15	A10-3t	no ejection	1	2.5
53	Larry Schwartz	Helio-Roc	B6-6	good flight	1	5
54	Larry Schwartz	MachBuster Stretch	D12-7	good flight	1	17
55	Larry Schwartz	2-Stage AMRAAM	D12-0; B6-6	no upper stage ignition?	1	17
56	Larry Schwartz	2-Stage AMRAAM	D12-0; B6-6	did not stage	1	17
57	Larry Schwartz	Nightwing	C6-3	good flight	1	9
58	Larry Schwartz	Stretch D Fat Boy	D12-5	good flight	1	17
59	Larry Schwartz	Stretch D Fat Boy	D12-7	good flight	1	17
60	David Whitaker	TLP Lance	D12-7	good flight	1	17
61	David Whitaker	ARCAS	A3-4t		1	2.5
Sport Flights: 61					62	714.75
Sport Motors: 62						
Sport Impulse (N-s): 714.75						
Avg Sport Impulse (N-s): 11.5						
Sport Motor Distribution						
MM	0					
1/4 A	0					
1/2A	1					
A	8					
B	12					
C	27					
D	11					
E	1					
F	2					
G	0					
H	0					

MASA launch, Elk River, June 26, 2004 (Sport flights)					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse

MASA launch, Elk River, June 26, 2004 (Contest flights)				Total #	Total
Qty		Motor(s)	Comment	Motors	Impulse
2		1/2A		2	2.5
34		A		34	85
20		B		20	100
56				56	187.5

Total Flights: 117	
Total Motors: 118	
Impulse (N-s): 902.25	
Average Impulse (N-s): 7.6	
Motor Distribution	
MM	0
1/4 A	0
1/2A	3
A	42
B	32
C	27
D	11
E	1
F	2
G	0
H	0