

MASA launch, White Bear Lake, February 28, 2004					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Ted Cochran	Upscale Tumbleweed	B6-2		1	5
2	Ted Cochran	Silver Comet	C11-3	Gazillionth Flight	1	9
3	Ted Cochran	Silver Comet	D12-3	Gazillionth Flight + 1	1	17
4	Mike Erpelding	Mach 12	B4-4	good flight	1	5
5	Mike Erpelding	Stomp	B4-4	good flight	1	5
6	Mike Erpelding	Stomp	B4-4		1	5
7	Alan Estenson	Stomp	B6-4	good flight	1	5
8	Alan Estenson	Invader	C6-0	UFO action, good flight	1	9
9	Alan Estenson	Birdie	A10-3t	"ready? Watch the..."	1	2.5
10	Alan Estenson	Corkscrew	C6-5	good flight	1	9
11	Alan Estenson	Minneskeeter	B4-4	good flight	1	5
12	Alan Estenson	Longshot	C11-0; B6-4	nice 2-stage flight	2	14
13	Alan Estenson	Maniac	D12-5	good flight	1	17
14	Alan Estenson	Meteor	B6-4		1	5
15	Alan Estenson	Razor	B4-4	good flight	1	5
16	Alan Estenson	SD-1	A6-4	stuck streamer - "snow" dart	1	2.5
17	Alan Estenson	Firestreak	C6-5	good flight	1	9
18	Lee Frisvold	Skywinder	C6-3	separation - "snow" dart	1	9
19	Lee Frisvold	Wildfire	B6-4	good flight	1	5
20	Lee Frisvold	40th Anniversary Alpha	B6-4	good flight	1	5
21	Lee Frisvold	Prowler	C6-3		1	9
22	Dakota Haller	Penetrator	C6-3	good flight	1	9
23	Dakota Haller	Penetrator	C6-3	good flight	1	9
24	Dakota Haller	ExoSkell	C6-3		1	9
25	Dakota Haller	Dakota's School Rocket	D12-3	very nice flight	1	17
26	Dakota Haller	Dakota's School Rocket	D12-3	ditto	1	17
27	Richard Haller	[unknown]	B4-4	good flight	1	5
28	Richard Haller	Penetrator	C6-3		1	9
29	Ken Jarosch	Orange Bullet	1/2A3-4t	streamer duration	1	1.25
30	Ken Jarosch	Sparrow II	1/2A3-4t	streamer duration	1	1.25
31	Ken Jarosch	Pip Squeak II	A8-5	streamer duration, separation - ice core sample	1	2.5
32	Ken Jarosch	Pip Squeak II	A8-3	streamer duration	1	2.5
33	Ken Jarosch	Antari	B6-6	streamer duration, separation	1	5
34	Ken Jarosch	Straight Up II	A8-3		1	2.5
35	Ken Jarosch	Firehawk	C11-3	good flight	1	9
36	Ken Jarosch	Interceptor	C11-3		1	9
37	Ellison Lenz	Spool	C6-5	"where's the rest of the rocket?"	1	9
38	Ellison Lenz	Cosmic Cobra	B6-2		1	5
39	Ellison Lenz	Snitch	C6-3		1	9
40	Ellison Lenz	Stomp	C6-7	UNSTABLE	1	9
41	Ellison Lenz	Green Thing's Revenge	(3) A8-3	good flight	3	7.5

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42	Ellison Lenz	Red Ring of Doom	E9-4		1	29.5
43	Ellison Lenz	Pepsi Bottle of Doom	C6-3	UNSTABLE	1	9
44	Ellison Lenz	[illegible]	B6-2	UNSTABLE	1	5
45	Ellison Lenz	Spool	C6-5	17th flight	1	9
46	Stuart Lenz	Long Overdue	B6-4	first flight	1	5
47	Stuart Lenz	1/2 Andomeda	1/2A3-2t	underpowered - "snow" dart	1	1.25
48	Stuart Lenz	Luna 2	B6-4	good flight	1	5
49	Stuart Lenz	ACME Spitfire	D12-3	1st flight, separation	1	17
50	Stuart Lenz	Qubit	A10-Pt	first flight	1	2.5
51	Stuart Lenz	[illegible]	A8-3		1	2.5
52	Stuart Lenz	Black Funnel	A10-3t	separation	1	2.5
53	Stuart Lenz	Qubit	A8-3		1	2.5
54	Stuart Lenz	S.S. Cassiopeia	B6-4		1	5
55	Stuart Lenz	Vindicator	C6-5		1	9
56	Mike Martens	Fat Boy	C6-5		1	9
57	Mike Martens	Bad Toad	(2) D12-3	good flight	2	34
58	Mike Martens	Scorpion	A8-3	good flight	1	2.5
59	Mike Martens	F22 Boost Glider	C5-3	good flight	1	9.5
60	Brett McDowell	Big Daddy	D12-5		1	17
61	Brett McDowell	Patriot	C6-5		1	9
62	Ann Nolen	Eliminator	D12-3	CATO (rocket eliminated)	1	17
63	Dan Nolen	Manta	[unknown]	[oh for pete's sake, write down the engine type!]	1	5
64	Dan Nolen	Viking	A6-4		1	2.5
65	Dan Nolen	Bandit	A6-4	good flight	1	2.5
66	Dan Nolen	Venom	A6-4		1	2.5
67	Dan Nolen	Snitch	C6-0	drag race	1	9
68	Dan Nolen	Blitz	A3-4t		1	2.5
69	Dan Nolen	Viking	A6-4		1	2.5
70	Dan Nolen	R2-D2	A10-3t		1	2.5
71	Nick Nolen	Alpha	A6-4		1	2.5
72	Nick Nolen	Flash	B6-4		1	5
73	Nick Nolen	Rattler 7	A6-4	good flight	1	2.5
74	Nick Nolen	Cruise Missile	A10-3t	good flight	1	2.5
75	Nick Nolen	UFO	C6-0	drag race	1	9
76	Glen Overby	Ringer	C6-3		1	9
77	Glen Overby	Tuber	B6-4		1	5
78	Joe Schneider	MIRV Gryphon	(2) A10-0t; (2) A10-3t	cool	4	10
79	Joe Schneider	MIRV Gryphon	(2) A10-0t; (2) A10-3t	cool again	4	10
<b>Total Flights: 79</b>					<b>89</b>	<b>591.75</b>
<b>Total Motors: 89</b>						

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<b>Total Impulse (N-s): 591.75</b>						
<b>Average Impulse (N-s): 6.6</b>						
<b>Motor Distribution</b>						
MM			0			
1/4 A			0			
1/2A			3			
A			30			
B			21			
C			25			
D			9			
E			1			
F			0			
G			0			
H			0			