

MASA launch, Sunrise Park Middle School, White Bear Lake, August 19, 1999				Evening launch	Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Robert Rech	UFO	B6-0		1	5
2	Alan Estenson	Razor	A8-3		1	2.5
3	Damian Kostron	Dink	A8-3		1	2.5
4	Robert Rech	Probe 3	B4-6		1	5
5	Alan Estenson	Firestreak	B6-4	purty streamers	1	5
6	Damian Kostron	Point	B6-4	whee!	1	5
7	Mark Thell	Venus Probe	D12-5	modified, body tube blow-out	1	17
8	Andy Jirele	Stardust	B4-4		1	5
9	Damian Kostron	Apollo Abort Capsule	C6-3	stuck on launch rod!	1	9
10	Alan Estenson	Gosh	A3-4t	whee!	1	2.5
11	Alan Estenson	Der lil Red Max	A3-4t	landed in only tree on the field, but we got it down	1	2.5
12	Damian Kostron	V2	1/2A3-2t	A little wobbly	1	1.25
13	Mark Thell	Fat Boy	A8-3	drag race with Chris, lowest drag race on record!	1	2.5
14	Christopher Kvidera	Fat Boy	A8-3	drag race with Mark, lowest drag race on record!	1	2.5
15	Robert Rech	Ring Tail	B8-5		1	5
16	Andy Jirele	Stardust	B4-2		1	5
17	Mark Thell	Fat Boy	B6-4	drag race with Chris, a bit higher this time	1	5
18	Christopher Kvidera	Fat Boy	B6-4	drag race with Mark, a bit higher this time	1	5
19	Robert Rech	UFO	B6-0		1	5
20	Damian Kostron	Apollo Abort Capsule	C6-3	nice flight	1	9
21	Alan Estenson	Serval	B6-4		1	9
22	Mark Thell	Fat Boy	C6-3	drag race with Chris, finally some real altitude!	1	9
23	Christopher Kvidera	Fat Boy	C6-3	drag race with Mark, finally some real altitude!	1	9
24	Damian Kostron	V2	B6-4		1	5
25	Mollie Frisvold	Mollie's Rocket	C6-5		1	9
26	Robert Rech	Centrix	1/4A?-2	wow, that went really high on for a 1/4A!	1	0.63
27	Lee Frisvold	Corkscrew	C6-5		1	9
28	Kerry Hodges	Icarus	B2-5	old rocket, long burn!	1	5
29	Damian Kostron	Icarus	B6-4	Quest kit	1	5
30	Lee Frisvold	2-stage Fat Boy	D12-0; C6-5	cool flight! Went for a trip down the block, but returned	2	26
31	Christopher Kvidera	scratch	B6-4		1	5
32	Alan Estenson	Maniac	D12-7	hard landing, but it's ok	1	17
33	Mark Thell	Big Alpha	D12-5	nice flight	1	17
34	Kerry Hodges	Replica Goblin	C4-7	nice long burn	1	9.5
35	Damian Kostron	Point	C6-3		1	9
36	Alan Estenson	CiCi	B6-2	Now flying south for the winter; it's gone!	1	5
37	Mollie Frisvold	Skywinder	C6-5	nice	1	9
38	Andy Jirele	Stardust	B4-4		1	5
39	Damian Kostron	Apollo Abort Capsule	C6-3	good flight, but some damage on landing	1	9
40	Christopher Kvidera	scratch	B6-4		1	5
41	Kerry Hodges	Minnesota Mosquito	C5-3	nice boost, but no chute! Lost a fin on impact	1	9.5

42	Mollie Frisvold	Zenith II	B6-0; B6-6		2	10
43	Damian Kostron	Point	C6-3		1	9
44	Alan Estenson	Tubular K&S	B6-4	good	1	5
45	Christopher Kvidera	Buick	A8-3		1	2.5
46	Lee Frisvold	Mongoose	C6-0; B6-6		2	14
47	Mollie Frisvold	Scout	1/2A6-2		1	1.25
48	Alan Estenson	Gosh	A10-3t	more whee!	1	2.5
49	Christopher Kvidera	SDI Vector	B6-4		1	5
50	Mark Thell	Impulse	(2) D12-7	very nice flight!	2	34
51	Kerry Hodges	Replica Goblin	D3-7	another long burn!	1	19.5
52	Mollie Frisvold	Mollie's Rocket	C6-3		1	9
53	Lee Frisvold	Fat Boy	C6-5		1	9
Total Flights: 53					57	408.63
Total Motors: 57						
Total Impulse (N-s): 408.63						
Average Impulse (N-s): 7.2						

Motor Distribution	
MM	0
1/4 A	1
1/2A	2
A	8
B	23
C	16
D	7
E	0
F	0
G	0
H	0