

MASA launch, Elk River, May 21, 2000					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Mark Thell	Fat Boy	B6-4		1	5
2	Mike Martens	Stomp	B6-4	BOINK	1	5
3	Joel	Venus Probe	C6-3	first flight	1	9
4	Dave Fergus	Biplane glider	A3-2t		1	2.5
5	Connor Gerdes	Athena	B6-4		1	5
6	Alan Estenson	Razzle Dazzle	D12-5	good flight	1	17
7	Alan Estenson	Really Ugly 1	C6-0; C6-7	CHAD staged, barely stable, landed across highway	2	18
8	Mike Martens	Prowler	C6-5		1	9
9	Glen Overby	Comanche	C6-0; C6-7	2-stage flight	2	18
10	Sarah Fergus	Manta	A8-3	good flight	1	2.5
11	Mike Martens	F22 boost glider	C6-3		1	9
12	Joel Henry	scratchbuilt	C6-3	first flight	1	9
13	Don Kilberg	Big Daddy	D12-5		1	17
14	Brian Kilberg	Mustang	D21-4	first flight	1	20
15	Brent Elrod	Helicat	C6-3	first flight	1	9
16	Brian Fergus	Deltie	1/2A3-2t		1	1.25
17	John Kenney	Scrambler	B4-2	first flight	1	5
18	Russ Durkee	Astrocam	C6-7	good flight	1	9
19	Russ Durkee	Serval	B6-4	first flight	1	5
20	Lee Frisvold	Corkscrew	C6-3		1	9
21	Steve Robb	Silver Comet	D12-7	first flight, loooong delay for this rocket	1	17
22	Alan Estenson	Harmonize	D12-5	good flight	1	17
23	Mollie Frisvold	Venus Probe	C5-3		1	9.5
24	Ted Cochran	Broadsword	D12-3	good flight	1	17
25	Dave Fergus	Heavy Lifter	D12-3	two 1-oz weights, 9.4 oz total, good flight	1	17
26	unknown	Nova Payloader	B6-4	separation	1	5
27	Connor Gerdes	Athena	B6-4	good flight	1	5
28	Brian Kilberg	Bandit	B6-4	separation	1	5
29	Mike Martens	Sweet Von Braun	(2) D12-3	good flight, ejection before apogee	2	34
30	Alan Estenson	Python	D12-3	ejection before apogee	1	17
31	Carl Persson	Humpty Dumpty	C6-3		1	9
32	Bob Moluf	Longshot	D12-3; C6-7	NOT A BOOSTER MOTOR, no staging, lawn dart	1	17
33	Rand Whillock	Alpha	1/2A6-2	separation	1	1.25
34	Mike Town	Penguin's Revenge	C6-7	tangled chute	1	9
35	Mark Thell	Skywinder	C6-3	first flight	1	9
36	Alan Estenson	Maniac	D12-5	good	1	17
37	Mark Thell	Gemini Titan	B6-4		1	5
38	Justin Elrod	Helicat	B6-2		1	5
39	Ted Cochran	RGX	1/2A	boost glider - nosed in	1	1.25
40	Dave Fergus	Mini Mean Machine	A3-4t	gift from Paul Jarosch last year	1	2.5
41	Kurt Lieatke	Code Red	C6-5	first rocket ever	1	9

42	Mollie Frisvold	Mongoose	B6-0; B6-4		2	10
43	Brian Kilberg	Tristar	1/2A6-2		1	1.25
44	Steve Robb	Silver Comet	D12-7		1	17
45	Lee Frisvold	Intruder	B6-4		1	5
46	John Kenney	Big Dawg	B6-4	first flight	1	5
47	Don Kilberg	Initiator	E15-4	good flight	1	40
48	Mollie Frisvold	Mollie's Rocket	C6-3		1	9
49	Connor Gerdes	Athena	B6-4		1	5
50	Mike Martens	Dandy Dart	A8-3	first flight	1	2.5
51	Joel Henry	Black Mambo	B6-4	2nd flight	1	5
52	Lee Frisvold	Silver Comet	D12-5		1	17
53	Dave Fergus	D Region Tomahawk	D12-5		1	17
54	Carl Persson	V2	D12-7		1	17
55	Josh McKibben	Wildfire	C6-5		1	9
56	Kristen McKibben	Zinger	B4-4		1	5
57	Mike Town	Bullpup 12D	C6-5	first flight	1	9
58	Stefan Moluf	AIM-97A	C6-5		1	9
59	Alan Estenson	Longshot	D12-0; C6-7	good	2	26
60	Brian Kilberg	Mustang	E15-7	ejection after apogee	1	40
61	Glen Overby	Scrambler	C5-3	Egg duration - flight 1	1	9.5
62	Josh McKibben	Big Bertha	C6-5	good	1	9
63	Josh McKibben	Wizard	A6-4		1	2.5
64	Connor Gerdes	Athena	B6-4		1	5
65	Michael Town	Alpha	C6-7	high!	1	9
66	Don Kilberg	Big Daddy	D12-5	nice!	1	17
67	Kyle	Lance	D12-5	nice!	1	17
68	Steve Robb	Silver Comet	D12-7	long delay but good flight	1	17
69	Mark Thell	Scrambler	C5-3	Egg duration - flight 2 - made an omelet	1	9.5
70	Justin Elrod	Naboo Fighter	A10-3t	first flight, no chute	1	2.5
71	Stefan Moluf	AIM-97A	C6-5	nice!	1	9
72	Nick Green	Alpha	B6-6	nice!	1	5
73	Nick Green	Prowler	D12-5	separation, no chute	1	17
74	Glen Overby	Trapezoid #6	D15-4	nice!	1	20
75	Carl Persson	V2	D12-5	"London bombed successfully"	1	17
76	Amy Whillock	Nike-2	B6-4	no chute	1	5
77	Garrett Elrod	Helicat	B6-2	good	1	5
78	Seth Cochran	Fat Boy	C5-3	good	1	9.5
79	John Kenney	Scrambler	C6-5	no egg, nose cone separated	1	9
80	Josh McKibben	Wizard	B6-4	good	1	5
81	Greg	Python	D12-7	lawn dart - ouch!	1	17
82	Don Kilberg	Big Daddy	D21-7	last moment ejection	1	20
83	Connor Gerdes	Athena	C6-5	nice!	1	9
84	Russ Durkee	Astrocarn	C6-7	cheez!	1	9
85	Don Kilberg	SR-71	C6-7	very unstable	1	9

86	Mike Town	Fat Boy	C6-3		1	9
87	Mark Thell	Maniac	D12-5		1	17
88	Russ Durkee	Serval	A8-3		1	2.5
89	Josh McKibben	Big Bertha	C6-5		1	9
90	Dave Fergus	Snitch	C6-0		1	9
91	Kristen McKibben	Wildfire	C6-5		1	9
92	Josh McKibben	Wizard	B6-4	quick!	1	5
93	Connor Gerdes	Athena	B6-4		1	5
94	Garrett Elrod	Helicat	C6-5		1	9
95	Alan Estenson	Onyx	E30-4		1	40
96	Mike Martens	Proud Mary	D12-3		1	17
97	Glen Overby	Trapezoid #5	D12-5		1	17
98	Kyle Green	Fat Boy	C6-5		1	9
99	Nick Green	Alpha 3	A8-3		1	2.5
100	Dave Fergus	D Region Tomahawk	C6-5		1	9
101	Amy Whillock	Nike-2	B6-4		1	5
102	Brandon Green	Hawk	D12-5	moved quickly	1	17
103	John Kenney	Skywinder	C5-3		1	9.5
104	Nick Green	E2X	A8-3		1	2.5
105	Alan Estenson	Mini Hawk	A3-4t		1	2.5
106	Alan Estenson	Meteor	B6-4		1	5
107	Seth Cochran	Fat Boy	C5-3	cruise missile!	1	9.5
108	Ted Cochran	AQM37A	E18-4		1	39
109	Ted Cochran	Swinger	B4-2	3rd flight	1	5
110	Damian Kostron	Mars Lander (reproduction)	D12-3	first flight, awesome!	1	17
111	Alan Estenson	Corkscrew	C6-5		1	9
112	Mark Thell	scratchbuilt	D12-5	2nd flight	1	17
113	Ted Cochran	Maniac	D12-7		1	17
114	Russ Durkee	Astrocam	C6-5		1	9
115	Russ Durkee	Serval	B6-4		1	5
116	Seth Cochran	Prowler	C6-5	first flight	1	9
117	Lee Frisvold	SD-2	A8-3		1	2.5
118	Mollie Frisvold	Skywinder	C6-3		1	9
119	Rand Whillock	Quark	1/2A3-4t	first flight	1	1.25
120	Joel Henry	Venus Probe	C6-3	2nd flight, 1 out of 2 chutes good	1	9
121	Mark Thell	Gemini Titan	B6-4	"Pleeeeee go!" - it went	1	5
122	Sarah Fergus	Sarfer scratch	B6-4	good	1	5
123	Damian Kostron	Mercury Redstone	C6-5	nice!	1	9
124	Brandon Green	Hawk	D12-5	Launch Pad kit, nice flight!	1	17
125	Sarah Whillock	Scorpion	B6-4	good	1	5
126	Josh McKibben	Wildfire	C6-5	good	1	9
127	Brian Kilberg	Tristar	A8-3	good	1	2.5
128	Dave Fergus	Saros	B6-4	28 year old rocket, unstable!	1	5
129	Seth Cochran	Venus Probe	C5-3	good	1	9.5

130	Mollie Frisvold	Prowler	C6-3	good	1	9
131	Lee Frisvold	Sam-X	B6-0; A8-3	success!	2	7.5
132	Steve Robb	Silver Comet	D12-7	drag race (winner)	1	17
133	Dave Fergus	Silver Comet	D12-3	drag race (not the winner)	1	17
134	Mollie Frisvold	Tangent	C6-5	good	1	9
135	Mollie Frisvold	(shorter) Big Bertha	C6-5	good	1	9
136	Mike Martens	Stretch Bertha	D12-3	good	1	17
137	Ben	E2X	A8-3	drag race	1	2.5
138	Nick	E2X	A8-3	drag race	1	2.5
139	Brandon Green	LSX	C6-7	"podless"	1	9
140	Joel	Nova	B6-4		1	5
141	Dave Fergus	Sidewinder	D12-3		1	17
142	Mollie Frisvold	Skywinder	C6-3		1	9
143	Greg	F22 boost glider	C6-3		1	9
144	John Kenney	Big Dawg	B6-4		1	5
145	Don Green	Gemini DC	C6-7		1	9
146	Ted Cochran	Tower Ring Infernal	D12-3	RMR design contest winner, perfect flight!	1	17
147	Kyle	Longshot	D12-0; C6-3		2	26
148	Connor Gerdes	Athena	C6-5		1	9
149	Mollie Frisvold	unknown	C6-3		1	9
150	Mollie Frisvold	Big Bertha	C6-3		1	9

Total Flights: 150

157

1584.25

Total Motors: 157

Total Impulse (N-s): 1584.25

Average Impulse (N-s): 10.1

Motor Distribution

MM	0
1/4 A	0
1/2A	5
A	15
B	35
C	59
D	39
E	4
F	0
G	0
H	0