

MASA launch, Rogers, November 20, 1999					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Sarah Fergus	CiCi	1/2A6-2	first flight, very nice!	1	1.25
2	Frank	Ionizer	C6-7	good flight	1	9
3	Sarah Fergus	Totally Tubular	B6-4	good flight	1	5
4	Sarah Fergus	Nike Arrow	1/2A3-2t	just barely a flight, needs a full A	1	1.25
5	Alan Estenson	Maniac	D12-7	good flight	1	17
6	Glen Overby	Aerobee 300	C6-5		1	9
7	Alan Estenson	Longshot	D12-0; C6-7	perfect staging, good flight	2	26
8	Lee Frisvold	Skywinder	C6-5		1	9
9	Ryan Schwartz	AMRAAM	C6-5		1	9
10	Lee Frisvold	V-2	B6-4	original K-22 kit	1	5
11	Mike Town	Alpha	A8-3	first flight	1	2.5
12	Mollie Frisvold	Tornado	A8-3	good flight	1	2.5
13	Kerry Hodges	Modified Goblin	A8-3		1	2.5
14	Glen Overby	Nike Smoke	D12-5	first flight	1	17
15	Frank	Ionizer	C6-7		1	9
16	Chris K.	Buick	A8-3	fast	1	2.5
17	Ryan Schwartz	Skywinder	C6-3	good flight	1	9
18	Dave Fergus	Heavy Lifter	D12-3	scratchbuilt, first flight, very nice!	1	17
19	Mollie Frisvold	Prowler	C6-3	nice flight	1	9
20	Brittany Lang	Silver Comet	D12-3	good flight	1	17
21	Alan Estenson	Silver Comet	D12-5	good flight	1	17
22	Austin Lang	Big Bertha	C6-5	good, slight chute tangle	1	9
23	Russ Durkee	Cuda	D7	holding our breath...	1	20
24	Brenda Everitt	Bananadad	A10-3t	one fast banana	1	2.5
25	Lee Frisvold	2-stage Fat Boy	D12-0; C6-5	good staging, fouled chute	2	26
26	Ryan Schwartz	AMRAAM	C6-7	late ejection	1	9
27	John Knoll	Mercury Atlas	D12-	very nice	1	17
28	Joe Kimmes	Patriot	C6-5	good flight	1	9
29	Larry Schwartz	Bullpup	C6-7	good flight	1	9
30	Dave Fergus	Skywinder	C5-3	oops! forgot the rubber bands	1	9.5
31	Mike Town	Home Brew	B6-4	first flight, Windows 95 cds for fins	1	5
32	Brittany Lang	Silver Comet	D12-3	good flight	1	17
33	Kerry Hodges	Nike-X	C6-5	20+ year old rocket, will probably break (but didn't!)	1	9
34	Chris K.	SR-71	C6-5	nice SR roll, good flight	1	9
35	Frank	Wizard	A8-3	nice flight	1	2.5
36	Austin Lang	Big Bertha	C6-5	good flight	1	9
37	Dave Fergus	Biplane boost glider	A3-4t	nice!	1	2.5
38	Mollie Frisvold	Corkscrew	C6-5	good flight	1	9
39	Mark Thell	Scratch Arrow	A8-3	"parachute test", low flight, but neat	1	2.5
40	Glen Overby	Comanche	B6-4	ok	1	5
41	Lee Frisvold	Quark-Ray	A10-0t; A10-3t	1st stage CATO!	1	2.5

42	Larry Schwartz	Sunfire	D12-7	unstable flight due to motor movement	1	17
43	Joe Kimmes	Impulse	D12-7 (2)	very nice flight!	2	34
44	Ryan Schwartz	AMRAAM	C6-5	ok	1	9
45	Larry Schwartz	Skywinder	C6-3		1	9
46	Katie	Katie's	B6-4	very close to pad	1	5
47	Dave Fergus	CiCi	A8-3	another nice flight	1	2.5
48	Mike Kutzke	Bullpup	B4-4	late chute	1	5
49	Austin Lang	Big Bertha	C6-5		1	9
50	Alan Estenson	Blossom (V2)	D12-3	first flight, very nice!	1	17
51	Carl Persson	Saturn 7	D12 (7)	3rd flight, amazingly cool!	7	119
52	Mark Thell	Fat Boy	C6-5		1	9
53	Jake Mills	AMRAAM	C6-5	first flight	1	9
54	John Knoll	NCR X-Wing	F62-4	perfect boost, but "Oh the humanity!", ouch	1	80
55	Mollie Frisvold	Big Daddy	D12-5		1	17
56	Mike Town	Viking	A8-3	first flight	1	2.5
57	Joe Kimmes	Longshot	B6-4		1	5
58	Nick Kutzke	Omloid	C5-3	egg on board!	1	9.5
59	Lee Frisvold	V-2	D12-5		1	17
60	Alan Estenson	Minne-Skeeter	B4-4	drag race with Kerry	1	5
61	Kerry Hodges	Minnesota Mosquito	B4-4	drag race with Alan, hard landing!	1	5
62	Carl Persson	Humpty Dumpty	C6-3	"Will he fly, or will he die?" (he survived)	1	9
63	Chris K.	Fat Boy	C6-3		1	9
64	Alan Estenson	Warrior 60	D12-5	ow,ow,ow,ow,ow,ow. It's dead, Jim.	1	17
65	Mark Thell	Omega	D12-0; D12-7		2	34
66	Dave Fergus	Trident 2	C6-3	nostalgia!	1	9
67	Jacob Mills	Army	C6-5		1	9
68	Mollie Frisvold	Longshot	D12-0; C6-5	first flight, very nice!	2	26
69	Katie Kutzke	Trek	B6-4		1	5
70	Joe Kimmes	Longshot	D12-0; B6-6		2	22
71	Mollie Frisvold	Skywinder	C6-5	drag race	1	9
72	Dave Fergus	Skywinder	C5-3	with the rubber bands on this time, drag race	1	9.5
73	Lee Frisvold	2-stage Fat Boy	D12-0; C6-5	nice	2	26
74	Damian Kostron	Mercury Redstone	C6-3		1	9
75	Larry Schwartz	Stretch D Fat Boy	D12-5		1	17
76	Mark Thell	Gemini Titan	B6-4		1	5
77	Jacob Mills	Onyx	E30-4	good flight	1	40
78	Brad Kaeter	Zoomie	1/4A3-3t	first flight	1	0.62
79	Brian Kaeter	Tangent	B6-2		1	5
80	Austin Whiteherst	Blitz	1/4A3-3t		1	0.62
81	Kerry Hodges	Andromeda	C6-5	20+ year old rocket, this one has to break (but didn't)	1	9
82	Brenda Everitt	Big Brenda	D12-7		1	17
83	Alan Estenson	Fat Boy	D12-5	good flight	1	17
84	Russ Durkee	Cuda	D7	nice flight!	1	20
85	Alan Estenson	Python	D12-5	good flight	1	17

86	Ryan Schwartz	Tomcat	B6-4	(The Tomcat finally died...)	1	5
87	Mike Town	Alpha	C6-7	whee! (long walk)	1	9
88	Mollie Frisvold	Sam-X	C6-0; B6-4	first flight, ouch!	2	14
89	Lee Frisvold	Astron Alpha IV	B6-4		1	5
90	Ryan Schwartz	Helicopter	C6-5		1	9
91	Jacob Mills	Navy	C6-5		1	9
92	Ryan Schwartz	AMRAAM	C6-5		1	9
93	Larry Schwartz	Stretch D Fat Boy	D12-5		1	17
94	Jacob Mills	Army	C6-5		1	9
95	Austin Whiteherst	Zoomie	1/4A3-3t		1	0.62
96	Brian Kaeter	Tangent	B6-2		1	5
97	Lee Frisvold	Der Red Max	C6-3		1	9
98	Jacob Mills	Hijax	C6-5	first flight	1	9
99	Glen Overby	IQSY Tomahawk	E18-7		1	39
100	Alan Estenson	Wanderer	D12-3	no chute, hard landing	1	17
101	Alan Estenson	Golly	1/4A3-3t	whee!	1	0.62
102	Lee Frisvold	V2	B6-4		1	5
103	Mollie Frisvold	Tornado	A8-3		1	2.5
104	Alan Estenson	Razzle Dazzle	E30-4	zoom! (heh, heh, heh...)	1	40
105	Dave Fergus	Heavy Lifter	D12-3	another nice flight	1	17
106	Larry Schwartz	staged Fat Boy	C6 (4); D12	ballistic over the horse farm	4	44
<b>Total Flights: 106</b>					<b>123</b>	<b>1382.48</b>
<b>Total Motors: 123</b>						
<b>Total Impulse (N-s): 1382.48</b>						
<b>Average Impulse (N-s): 11.2</b>						

<b>Motor Distribution</b>	
MM	0
1/4 A	4
1/2A	2
A	12
B	18
C	45
D	38
E	3
F	1
G	0
H	0