

MASA launch, Blaine, April 22, 2000					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Ted Cochran	Tower Ring Inferno	E15-4	first flight, separation & core sample	1	40
2	Steve Hum	AMRAAM 2	F52	first flight	1	78
3	Ted Cochran	Starfire	D12-7	first flight, very nice	1	17
4	Joe Kimmes	Viper 3	(3) D12-3	first flight, good	3	51
5	Ted Cochran	Eliminator	F62-6	good flight	1	80
6	Steve Hum	Silver Comet	D15	first flight	1	20
7	Chuck Jerve	Mach Buster	F72-10	first flight, streamer recovery	1	80
8	Joe Schneider	Nostromo	G80-7	it left in a hurry	1	120
9	Joe Schneider	Mach Buster	F72-10	first flight	1	80
10	Steve Robb	G-Force	G40-4		1	120
11	Joe Kimmes	Initiator	F23-4		1	56
12	Mike Gustafson	Mean Machine	D12-5		1	17
13	Dave Fergus	Silver Comet	D12-3		1	17
14	Kerry Hodges	3X Yellow Jacket	G80-4	maiden flight - hard impact - sorry Kerry!	1	120
15	Jarryd Schmidt	Initiator	F25-6	2nd flight	1	80
16	Mike Town	G-Force	G64	1st flight	1	120
17	Steve Hum	Aspire	F52		1	78
18	Tim Bush	Bullet	D12-5		1	17
19	Joe Schneider	Phantom 4000	G35-4		1	105
20	Larry Schwartz	Arreaux	G64-10	whee!	1	120
21	Ryan Schwartz	Stretch Fat Boy	D12-5		1	17
22	Glen Overby	Aerobee 150	H128	Level 1 cert - success! Congratulations!	1	177.9
23	Steve Robb	G-Force	G40		1	120
24	Dave Fergus	Warthog	G35-7	1st mid-power rocket, maiden flight	1	105
25	Alan Estenson	2X Der BIG Red Max	H180-M	no chute - core sample. OUCH	1	236.8
26	Joe Schneider	Interceptor G	F62-4		1	80
27	Christopher Kvidera	Mustang	F39-6		1	50
28	Kerry Hodges	2X Der Red Max	F62-4	scratchbuilt	1	80
29	Levi Bopp	AIM 9 Sidewinder	C6-5		1	9
30	Josh McKibben	Wildfire	B4-4		1	5
31	Brandon Green	LSX	B6-4		1	5
32	Kent Monson	Meanie	A10-3t		1	2.5
33	Joe Schneider	Initiator	F50-9	loooooong delay	1	80
34	Dave Fergus	2X Nike Arrow	D12-5	bad chute	1	17
35	Don Green	Python	D12-7	ok	1	17
36	Tim Bush	Black Brant	D12-5		1	17
37	Ryan Schwartz	Bull Pup	A8-3		1	2.5
38	Lee Frisvold	Zenith	B6-0; B6-4		2	10
39	Joe Schneider	Phantom 4000	F62-6		1	80
40	Kent Monson	Prowler	D12-7		1	17
41	Levi Bopp	Reliant	A8-3		1	2.5

42	Ted Cochran	LOC IV	H180-M	good flight	1	236.8
43	Kerry Hodges	Gabriel	D12-3, B6-0, B6-0	scratchbuilt cluster rocket, nice flight!	3	27
44	Damian Kostron	Patriot	H128-S	Level 1 cert - success! Congratulations!	1	177.9
45	Mark Thell	Forte	G40	engine left the pad, rest of the rocket stayed behind	1	120
46	Dave Fergus	Sarfer	C6-3		1	9
47	Alan Estenson	Long Shot	D12-0; C6-7	good staging	2	26
48	Alan Estenson	Chaparral	F20-7	good flight	1	64
49	Mike Town	EZ1-65	H123	Level 1 cert - failure! Motor blow by? Sorry Mike!	1	246.8
50	Glen Overby	Aerobee 300	D12-0; D12-7	first 2-stage flight for this rocket	2	34
51	Dave Fergus	SAROS	B8-5	25 year old rocket	1	5
52	Tracy McKibben	Big Bertha	C6-5		1	9
53	Josh McKibben	Wildfire	B6-4		1	5
54	Ryan Schwartz	Bull Pup	B6-4		1	5
55	Dave Fergus	D-Region Tomahawk	D12-7	Pratt kit	1	17
56	Mike Martens	STOMP	B6-4	BOINK!	1	5
57	Philip Gibbens	Black Egg Hornet	B6-4	first flight, LEGO parachute guy	1	5
58	Hannah Gibbens	Streaker	1/2A6-2	first flight	1	1.25
59	Art Gibbens	Toblerone	B8-5	first flight, scratchbuilt	1	5
60	Mathias Gibbens	Alpha 3	A8-3		1	2.5
61	Ryan Schwartz	Helio Copter	B6-4		1	5
62	Mike Martens	Fat Boy	C6-3		1	9
63	Rachel Golias	Super Shot	A8-3		1	2.5
64	Ryan Golias	Prowler	B6-4	first flight	1	5
65	Mollie Frisvold	Mean Machine	D12-3	chute late, but OK	1	17
66	Lee Frisvold	Big Bertha	D12-5		1	17
67	Michael Tran	Wild Two	D12-0; D12-7		2	34
68	Steve Golias	MK109	B6-4	first launch	1	5
69	Rick Vatsaas	Deep Surface Probe	C5-3		1	9.5
70	Jarryd Schmidt	Initiator	E15-4	first launch, good	1	40
71	Josh McKibben	Wildfire	B6-4		1	5
72	Mollie Frisvold	2-stage Fat Boy	D12-0; D12-5	first flight - unstable!	2	17
73	Kristen McKibben	Zinger	A6-4		1	2.5
74	Lee Frisvold	Di's Maniac	D12-5		1	17
75	Rick Vatsaas	Rogue Tsetse	D12-5	very small, very high	1	17
76	Rick Vatsaas	Bull Pup	C5-3		1	9.5
77	Tracy McKibben	Big Bertha	C6-5		1	9
78	Brady Jerve	no name	B6-4	6 fins	1	5
79	Brandon Green	Hawk	D12-5	Launch Pad kit	1	17
80	Stephen Schneider	Spitfire	B6-4		1	5
81	Ricky Jerve	Zoomie	1/2A		1	1.25
82	Francis Schneider	E2X	B6-4	1st flight	1	5
83	Mike Gustafson	AMRAAM	C6-5		1	9
84	Ryan Schwartz	AMRAAM	C6-5		1	9
85	Ryan Golias	Mosquito	1/4A	first flight	1	0.62

86	Ed Eastman	Tsetse	D12-3	first flight	1	17
87	Mike Town	Alpha	C6-7		1	9
88	Alan Estenson	F3Y	C6-5	first flight, one step better than an E2X	1	9
89	Nickolas Green	Heatseeker	C6-7		1	9
90	Ryan Schwartz	Mach Buster	D12-5		1	17
91	Lee Jerve		B6-4		1	5
92	Rick Vatsaas	Astron Sprint	C6-7	rocket circa 1975	1	9
93	Rick Vatsaas	Galileo	1/2A6-2	1st flight	1	1.25
94	Kyle Green	Lance	D12-5		1	17
95	Kent Monson	Long Shot	D12-0; B6-4		2	22
96	Ed Eastman	Mosquito	1/4A3-3t	first flight - drag race	1	0.62
97	Christopher Kvidera	Fat Boy	C6-5		1	9
98	Ed Eastman	Gnat	1/4A3-3t	first flight - drag race	1	0.62
99	Chuck Jerve	Arm	B6-4		1	5
100	Ryan Schwartz	Stretch Fat Boy	D12-5		1	17
101	Paul Larson	Mosquito	A10-3t		1	2.5
102	Philip Gibbens	Green Hornet	1/2A3-2t	streamer	1	1.25
103	Mathias Gibbens	scratchbuilt	A8-3	MRC motor	1	2.5
104	Art Gibbens	Satellite Launcher	C6-3		1	9
105	Michael Kutzke	Fat Boy	B6-2		1	5
106	Kirsti Schmidt	Red Storm	C6-5		1	9
107	Tom Schmidt	Black Brandt	D12-5	first flight	1	17
108	Christopher Kvidera	Stomp Rocket	B6-0		1	5
109	Katie Kutzke	Treks	A8-3		1	2.5
110	Rick Vatsaas	Big Daddy	D12-3		1	17
111	Jarryd Schmidt	Soaring Skunk	C6-5		1	9
112	Mark Thell	Whatever	D12-5		1	17
113	Ryan Schwartz	Skywinder	C6-3		1	9
114	Rachel Golias	Super Shot	B6-4	drag race	1	5
115	Ryan Golias	Liberty	B6-4	drag race	1	5
116	Dave Fergus	AIM 9 Sidewinder	D12-3	modified	1	17
117	Steve Robb	Engage	C6		1	9
118	Ed Eastman	TranStar	A8-3	first flight	1	2.5
119	Christopher Kvidera	scratchbuilt	B6-4		1	5
120	Mark Thell	lil Nuke	F20	long delay	1	64
121	Ryan Schwartz	Helio Copter	B6-4		1	5
122	Mark Thell	Gemini Titan	B6-4		1	5
123	Lee Frisvold	Lightnin'	D12-0; D12-5		2	34
124	Tracy McKibben	Big Bertha	C5-3		1	9.5
125	Kristen McKibben	Zinger	A6-4		1	5
126	Paul Larson	Mosquito	A10-3t		1	2.5
127	Ryan Schwartz	Bull Pup	B6-4		1	5
128	Tim Bush	Ring Hawk	C6-5		1	9
129	Dave Fergus	Greyhawk	B6-4		1	5

130	Mollie Frisvold	Long Shot	D12-0; C6-5		2	26
131	Rick Vatsaas	Peata Star	C5-3		1	9.5
132	Tim Bush	Freighter	D12-3		1	17
133	Ricky Jerve	Zoomie	A10-3t		1	2.5
134	Rick Vatsaas	Astron Avenger	C6-0; C6-7	25 year old kit	2	18
135	Damian Kostron	V2	E28-4		1	40
136	Mark Thell	Black Brant 5/8	C6-5	separation	1	9
137	Nickolas Green	Alpha 3	C6-5	drag race	1	9
138	Kyle Green	E2X	C6-7	drag race	1	9
139	Kent Monson	E2X	C6-7	drag race	1	9
140	Mark Thell	scratchbuilt	(3) A8-3	cluster -good flight	3	7.5
141	Chuck Jerve	Evader	B6-4	drag race	1	5
142	Ricky Jerve	Navy	B6-4	drag race	1	5
143	Mike Martens	Sweet Von Braun	(2) D12-5	cluster, first flight	2	34
144	Brady Jerve	Skywinder	C6-3	first flight	1	9
145	Ed Eastman	Orange Rhymmer	A8-3		1	2.5
146	Philip Gibbens	Blue Hornet	A8-5		1	2.5
147	Lee Grimm	Viper 3	A3-4t	oldie	1	2.5
148	Hannah Gibbens	scratchbuilt	1/2A3-2t		1	1.25
149	Ricky Jerve	Rattler 7	B6-4		1	5
150	Chuck Jerve	Army	B6-4		1	5
151	Art Gibbens	Bugsy	A10-3t		1	2.5
152	Dave Fergus	SAM-X	B6-0; B6-6	maiden flight, my first 2-stage	2	10
153	Brandon Green	LSX	C6-5		1	9
154	Jarryd Schmidt	Soaring Skunk	C6-5		1	9
155	Lee Grimm	Streamer Duration	A8-3		1	2.5
156	Lauran S.	Black Brant	D12-5		1	17
157	Josh McKibben	Wildfire	B4-4		1	5
158	Tracy McKibben	Big Bertha	C5-3		1	9.5
159	Lee Frisvold	V2	D12-3		1	17
160	Mollie Frisvold	Mollie's Rocket	C6-5		1	9
161	Alan Estenson	Mimi	C6-5	will it scream? (no)	1	9
162	Mark Thell	Omloid	C5-3	1st egg flight (the egg survived)	1	9.5
163	Nickolas Green	Rattler 7	B6-4		1	5
164	Alan Estenson	Blossom (V2)	D12-3	good flight	1	17
165	Ryan Schwartz	Bull Pup	A8-3		1	2.5
166	Mollie Frisvold	Tangent	C6-5		1	9
167	Sarah Whillock	Scorpion	B6-4		1	5
168	Amy Whillock	Nike-K	B6-4		1	5
169	Brian Fergus	Snitch	B6-4		1	5
170	Lee Frisvold	Tornado	A8-3		1	2.5
171	Diane Frisvold	Big Bertha	D12-7		1	17
172	Brian Fergus	Venom	B6-4		1	5
173	Ryan Schwartz	Skywinder	B6-4		1	5

174	Rand Whillock	Alpha	B6-4	separation	1	5
175	Seth Cochran	Fat Boy	C6-3		1	9
176	Ted Cochran	ARV Condor	B4-2		1	5
177	Mark Thell	mystery scratch	D12-5	separation	1	17
178	Seth Cochran	SR-X	B4-2		1	5
Total Flights: 178					195	4718.31
Total Motors: 195						
Total Impulse (N-s): 4718.31						
Average Impulse (N-s): 24.2						
Motor Distribution						
MM	0					
1/4 A	3					
1/2A	5					
A	23					
B	47					
C	39					
D	47					
E	3					
F	14					
G	9					
H	5					