

MASA launch, Blaine, July 28, 2001					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Mark Thell	lil' Bigger Nuke	F23-4	nice	1	56
2	Steve Robb	Lampshade of Doom	F24	Delay! Who needs a delay!	1	50
3	Steve Hum	Aspire	G64-7	Altimeter for altitude only	1	120
4	Russ Durkee	Cuda	D7	RC glider	1	20
5	Walter Kjellander	Forte	G40-7	nice	1	120
6	Dan Nestor	Renitiator	F25-6	nice	1	80
7	Mark Thell	Forte	G35-4	nice	1	105
8	Doug DeBold	AMRAAM2	G40-4	nice	1	120
9	Steve Hum	Phoenix	F39-6	Listen for the whistle!	1	50
10	Russ Durkee	Cuda	D7	RC glider	1	20
11	Ted Cochran	Jayhawk	E15-4	ouch! It's shorter now	1	40
12	Doug DeBold	Legacy	F20-4		1	64
13	Joel Henry	Gekko	E30-7	new, 1st flight	1	40
14	Dave Fergus	Cirrus Dart	F40-4	maiden flight	1	80
15	Rick Vatsaas	Sam-X	D12-0; C6-7	gap staged, unstable!	1	17
16	Neal Higgins	Phoenix	E15-7	new member today, 1st flight	1	40
17	Larry Schwartz	Stretch Fat Boy	D12-5		1	17
18	Steve Hum	AMRAAM2	G33	drag race	1	100
19	Doug DeBold	AMRAAM2	G40-4	drag race	1	120
20	Joe Schneider	MIRV Gryphon	(4) A10-0t; (4) A10-3t	wow! Really moved!	8	20
21	Ed Ryan	Vertical	G35-4		1	105
22	Eric Hembree	Mean Machine	D12-3		1	17
23	Russ Durkee	Cuda	D7	RC glider	1	20
24	Rick Vatsaas	Flaming Atomic Meteor	G64-7	1st flight, "Glen Overby paint scheme"	1	120
25	Neal Higgins	6-pack	E15-7	1st flight	1	40
26	Doug DeBold	Legacy	F20-4		1	64
27	Ted Cochran	Saturn V	E18-4	great flight!	1	39
28	Ellison Lenz	Aura	D12-5		1	17
29	Dave Fergus	Black Brant VB	G35		1	105
30	Larry Schwartz	2 stage Fat Boy	(4) C6; D12-7	did cruise missile imitation, lit 3 C's	4	44
31	Steve Hum	Aspire	G64-7	Altimeter for altitude only	1	120
32	Walter Kjellander	Forte	G40-7		1	120
33	Ted Nolen	Big Dog 2	G38	homemade from scratch	1	94
34	Greg & Joe Schneider	Wildcat	F72, (7) D21	Wow! Amazing flight! Lit all 8 motors!	8	220
35	John Carlson	Saturn 1b	(4) C6-3	25 year old rocket, 1st flight - very nice!	4	36
36	Russ Durkee	Cuda	E6	7.7 second burn - quite impressive	1	40
37	Dan Nestor	Diablo	H128-S		1	177.9
38	Lee Frisvold	Martin Pescador	(2) D12-5		2	34
39	Steve Hum	Ecee Thunder	D12-3		1	17
40	Doug DeBold	Legacy	E30-7		1	40
41	Alan Estenson	Sidewinder	D12-5	1st flight - very nice!	1	17
42	Ed Ryan	Bat Rocket	H128	paratrooper Batman inside	1	177.9
43	Ken Jarosch	Initiator	E30-4		1	40
44	Larry Schwartz	Arreaux	E18-10		1	39
45	Doug DeBold	Big Betty	C6-3	tried St. Louis arch, but lost most of streamer	1	9
46	Russ Durkee	Onyx	F62-4	North Coast motor	1	80

MASA launch, Blaine, July 28, 2001					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
47	Steve Hum	Ecee Thunder	D12-3	did fence post imitation	1	17
48	Steve Robb	Extreme Stovi	H210R	Redline motor (first at a MASA launch) - very cool	1	220
49	Doug DeBold	Big Betty	C6-5	tried St. Louis arch again	1	9
50	Ken Jarosch	Initiator	F25-6		1	80
51	Ed Ryan	Lightnin'	D12-0; D12-7	quite impressive unstable, did land shark thing	2	34
52	Steve Hum	Callisto	F40-7		1	80
53	Ted Cochran	Ted's Testbed	(3) D12	lit 2 motors, but a safe flight	2	34
54	Walter Kjellander	Forte	G40-7		1	120
55	Steve Hum	Strong Arm	F52-5		1	78
56	Dan Nestor	Mustang	F20-7		1	64
57	Dave Fergus	Warthog	F23-4		1	56
58	Ed Ryan	Mercury Redstone	F20-7	wow! Nice flight (modified Estes kit)	1	64
59	Kent Peterson	Little Joe	A3-4t	wadded chute recovery	1	2.5
60	Alexandra Estenson	zinger	A8-3	first flight, nice	1	2.5
61	Ed Eastman	Tomahawk	A8-3	first flight, nice	1	2.5
62	Dave Fergus	Space Shuttle	C5-3	OK glide on the orbiter	1	9.5
63	John Carlson	LTV Scout	C6-3	20+ year old rocket, unstable	1	9
64	Lee Frisvold	Tornado	A8-3	helicopter recovery	1	2.5
65	Dave Fergus	Stomp	B4-2	BOINK, looped-unstable	1	5
66	Joe Schneider	Centrix	1/2A2-6	SD contest flight	1	1.25
67	Chuck Marchio	Night Demon	C6-5	no chute	1	9
68	Larry Schwartz	Nightwing	C6-5	1st flight	1	9
69	Ed Eastman	Duration	1/2A3-4t	SD contest flight	1	1.25
70	John Carlson	V2	B6-4	nice	1	5
71	Lee Frisvold	V2	D12-5	nice	1	17
72	Mark Thell	Skywinder	C6-3	"Bzzz"	1	9
73	Alexandra Estenson	Nova Payloader	B6-4	nice	1	5
74	Kent Peterson	Tomahawk	C6-3	no chute	1	9
75	Ingrid Vatsaas	Anole	1/2A3-4t	SD contest flight	1	1.25
76	Huk Mook	Rattler 7	A8-3	nice	1	2.5
77	Ellison Lenz	P.G.A.	D12-5	shred! - exceeded the speed of its fins	1	17
78	Lizzy Newswanger	Blitz	1/2A3-4t	SD contest flight	1	1.25
79	Paul Newswanger	(unknown)	1/2A3-4t	SD contest flight	1	1.25
80	Ed Eastman	"Cartman" Fat Boy	C5-3		1	9.5
81	John Carlson	Patriot	B6-6		1	5
82	Dan Nolen	Venom	C6-5	nice	1	9
83	Alexandra Estenson	Liberty	A8-3	motor CATO in flight	1	2.5
84	Joe Schneider	Centrix	1/2A2-6	SD contest flight	1	1.25
85	Steve Robb	Pencil rocket	1/2A2-6	SD contest flight	1	1.25
86	Nick Nolen	Alpha	B6-4	1st rocket again	1	5
87	Ken Jarosch	Firehawk	D12-7	nice	1	17
88	Rick Vatsaas	Resume Enclosed	1/2A3-4t	SD contest flight	1	1.25
89	Alexandra Estenson	USA	A8-3	motor CATO in flight	1	2.5
90	Kent Peterson	Bull Pup	B6-4	nice	1	5
91	Paul Newswanger	"Charmelion"	C6-7	nice	1	9

MASA launch, Blaine, July 28, 2001					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
92	Lee Frisvold	Duration 2	1/2A3-4t	SD contest flight	1	1.25
93	Larry Schwartz	Skywinder	B6-2	separation	1	5
94	John Carlson	ARCAS	B6-4	25+ year old rocket	1	5
95	Chuck Marchio	Night Demon	C6-5	unstable	1	9
96	Ed Eastman	Pathfinder	D12-5	1st flight, nice	1	17
97	Kent Peterson	V2	D12-3	nice	1	17
98	Nick Nolen	Alpha	B6-4	2nd flight	1	5
99	Lee Frisvold	2 stage Fat Boy	D12-0; C6-5		2	26
100	Larry Schwartz	Nightwing	C6-5		1	9
101	Lizzy Newswanger	Blitz	1/2A3-4t	SD contest flight	1	1.25
102	Dean Peterson	Alpha	C6-5		1	9
103	Ingrid Vatsaas	Anole	1/2A3-4t	SD contest flight	1	1.25
104	Ellison Lenz	Alpha 3	B6-2		1	5
105	Steve Robb	Pencil	1/2A2-6	SD contest flight	1	1.25
106	Alexandra Estenson	Zinger	1/2A6-2	SD contest flight	1	1.25
107	Rick Newswanger	Eliminator	C6-7		1	9
108	Ken Jarosch	D-Region Tomahawk	D12-7	nice	1	17
109	Caitlin Bright	Wizard	B6-6		1	5
110	Chuck Marchio	Hyper X	C6-5		1	9
111	John Carlson	Thor Agena	B6-4	30+ years old rocket, first flight	1	5
112	Paul Newswanger	Charmander	1/2A	SD contest flight	1	1.25
113	Ellison Lenz	Razor	B6-2	nice	1	5
114	Lee Frisvold	Streamer Duration	1/2A3-4t	SD contest flight	1	1.25
115	Hugh Hansen	Gnome	A3-4t		1	2.5
116	Doug Hembree	Skywinder	C6-3		1	9
117	Alan Estenson	Monolith	C5-3	"My God, it's full of stars!"	1	9.5
118	Hugh Hansen	Alpha 3	C6-5		1	9
119	Tryg Hembree	Wizard	C6-3		1	9
120	Alexandra Estenson	X-Flyer	A8-3	"no boom this time"	1	2.5
121	Lee Frisvold	Black Brant I	D12-7		1	17
122	David Bright	Viking	B6-4		1	5
123	Carl Drache	Corkscrew	C6-3	It's supposed to fly that way	1	9
124	Stephen Vatsaas	Droid Fighter	A10-3t		1	2.5
125	Christian Vatsaas	Droid Fighter	A10-3t		1	2.5
126	Rick Vatsaas	Droid Fighter	C6-3		1	9
127	David Drache	Sidewinder	C6-3	2 chutes	1	9
128	Sally Manzara	Moondog	A3-4t		1	2.5
129	Josh McKibben	Wildfire	C6-5		1	9
130	Kristen McKibben	Zinger	B6-4		1	5
131	Tracy McKibben	Superbee	C6-5		1	9
132	Tim Bush	Bullet	D12-7		1	17
133	John Carlson	SCUD	B6-4	nice	1	5
134	Alexandra Estenson	X-Flyer	1/2A6-2	SD contest flight	1	1.25
135	Chris Hum	Skywinder	C6-3		1	9
136	Dan Nolen	Gnome	1/2A3-4t	SD contest flight	1	1.25
137	Kirsten Hoyme	Flash	B6-4		1	5

MASA launch, Blaine, July 28, 2001					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
138	Doug Hembree	Prowler	C6-5		1	9
139	Ken Jarosch	Titan IIIc	D12-5		1	17
140	Tim Bush	The Point	B6-4		1	5
141	Alissa Hoyme	Gemini DC	B6-4	deployed both chutes	1	5
142	Ellison Lenz	Razor	B6-2		1	5
143	Lizzy Newswanger	Blitz	1/2A3-4t	SD contest flight	1	1.25
144	Joel Henry	Junk Box Marvel	B6-4	1st flight	1	5
145	Kyle Bright	Fat Boy	C5-3		1	9.5
146	Alan Estenson	Blossom (V2)	D12-5		1	17
147	Tim Bush	Sub Orbital Transport	A10-3t	very cool, nice glide!	1	2.5
148	Ken Hoyme	Big Bertha	B6-4		1	5
149	Dean Peterson	Prowler	D21-4		1	20
150	Josh McKibben	Wizard	A8-3		1	2.5
151	Hugh Hansen	I don't remember	B6-4		1	5
152	John Carlson	Nike Ajax	C5-3	nice	1	9.5
153	Tim Bush	SR-71	C6-5		1	9
154	Carl Drache	Yankee	B6-4		1	5
155	Anne Drache	Viking Research	B6-4		1	5
156	Eric Hembree	Mad Science	B4-2		1	5
157	Dan Nolen	Gnome	1/2A3-4t	SD contest flight	1	1.25
158	Kristen McKibben	Baby Bee	B6-4		1	5
159	Ken Jarosch	Super Big Bertha	D12-5		1	17
160	John Carlson	3X Sprite	D12-5		1	17
161	Christian Vatsaas	X-Ray	1/2A3-4t	SD contest flight	1	1.25
162	Jay Higashi	SR-71	B6-4		1	5
163	Kamiko Higashi	Alpha 1	B6-4		1	5
164	Ryan O'Conner	Viking	A8-3		1	2.5
165	Oliviz Lange	Spitfire-1	C6-5		1	9
166	Sofiz Lange	Spitfire-2	C6-5		1	9
167	Doug Hembree	Big Bertha	C6-5		1	9
168	Craig Hansen	Flash	C6-5		1	9
169	Joel Henry	Bullpup	C6-3		1	9
170	Tony Manzara	Moondog	A10-3t		1	2.5
171	Ted Cochran	Centrix	1/2A2-6	SD contest flight	1	1.25
172	Hugh Hansen	Athena	B6-4		1	5
173	Alan Estenson	F3Y	C6-5	nice	1	9
174	Mike Martens	"D" Bertha	D12-3		1	17
175	Dean Peterson	Honest John	D12-5	just-in-time ejection	1	17
176	Doug DeBold	Silver Comet	D12-7		1	17
177	Russ Durkee	Steadur	C4-7	Apogee motor	1	10
178	Alissa Hoyme	Alpha III	B6-6		1	5
179	Eric Hembree	Wizard	B6-6		1	5
180	John Carlson	Pathfinder	D12-5		1	17
181	Tim Bush	Bullet	D12-7	one more time	1	17
182	Ken Hoyme	Goblin	D12-5		1	17
183	John Carlson	Nighthawk	B4-2		1	5

MASA launch, Blaine, July 28, 2001					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
184	Kirsten Hoyme	Aztec	C6-0; B6-6	1st flight, did not stage	1	9
185	Carl Drache	Corkscrew	C6-5	It's supposed to fly that way	1	9
186	Mike Martens	STOMP	B6-4		1	5
187	Josh McKibben	Nike Arrow	A10-3t		1	2.5
188	Kristen McKibben	Bluestar	C6-5	shed a fin	1	9
189	Tracy McKibben	Big Bertha	C6-5		1	9
190	John Carlson	2X Apogee II	B6-0; B6-6	did not stage	1	5
191	Mike Debelsler	Moondog	A10-3t		1	2.5
192	Sally Manzara	Moondog	A10-3t	flight 3	1	2.5
193	Toshi Higashi	Alpha	B6-4	unstable	1	5
194	Tyler Peterson	Firestreak	C6-3		1	9
195	Hugh Hansen	Razor	B6-4		1	5
196	Dan Nolen	Bandit	C6-5		1	9
197	Neal Higgins	Machbuster	D12-5	1st fligth	1	17
198	Doug Hembree	Alpha	C6-5	unstable	1	9
199	John Carlson	D Bertha	D12-5		1	17
200	Ted Cochran	Centrix	1/2A2-6	SD contest flight	1	1.25
201	David Bright	Viking	B6-4		1	5
202	Caitlin Bright	Wizard	A8-3		1	2.5
203	Alexandra Estenson	Alexandra-1	C6-5		1	9
204	Nick Nolen	Alpha	C6-5		1	9
205	John Carlson	Honest John	B6-4		1	5
206	Alan Estenson	Fat Boy	C5-3	"Grandpa" - drag race	1	9.5
207	Alexandra Estenson	Fat Boy	C5-3	"Grandma" - drag race	1	9.5
208	David & Kyle Bright	Fat Boy	C6-3		1	9
209	Carl Drache	Yankee	A8-3		1	2.5
210	Paul Newswanger	Alpha III	C6-5		1	9
211	Ted Cochran	Mars Lander	D12-3	KosRox kit	1	17
212	Sara Bright	Boost glider	1/2A3-4t		1	1.25
213	Tony Manzara	Moondog	A3-4t	flight 4	1	2.5
214	Elliot Carpenter	Gnome	A3-4t	Flight 3	1	2.5
215	Oliviz Lange	Spitfire-1	C6-5		1	9
216	Sofiz Lange	Watch the Birdie	A3-4t		1	2.5
217	Kamiko Higashi	Alpha-1	B6-4		1	5
218	Tracy McKibben	Super Bee	C6-5		1	9
219	Josh McKibben	Baby Bee	B6-4		1	5
220	Dave Fergus	Boattail Fat Boy	D12-3		1	17
221	John Carlson	ASP	A10-3t		1	2.5
222	Larry Schwartz	Nightwing	C6-5		1	9
223	Sally Manzara	Moondog	A10-3t	flight 5	1	2.5
224	John Carlson	Interceptor	C6-5	25 year old rocket	1	9
225	John Carlson	Star Probe	B6-4		1	5
226	Paul Newswanger	Sizzler	1/2A3-4t	named "Charmander"	1	1.25
227	Dan Nolen	Firebird	C6-3		1	9
228	Alexandra Estenson	Corkscrew	C6-5		1	9
229	Alan Estenson	Minne-skeeter	C6-5	upscale Mosquito	1	9

MASA launch, Blaine, July 28, 2001					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
230	Elliot Carpenter	Big Bertha	B6-4	flight ~20	1	5
231	Doug DeBold	Silver Comet	D12-7		1	17
232	Tim Bush	The Point	B6-4		1	5
233	Sally Manzara	Moondog	A10-3t		1	2.5
234	Alan Estenson	Tangent	B6-4		1	5
235	Hugh Hansen	Nike Arrow	A10-3t		1	2.5
236	Hugh Hansen	X-Ray	A10-3t		1	2.5
237	Craig Hansen	Astrocam	C6-3		1	9
238	Alissa Hoyme	Gemini DC	B6-4		1	5
239	Elliot Carpenter	SR-71	C6-5	Very impressive CATO on the pad	1	9
240	Ted Cochran	Tornado	1/2A6-2		1	1.25
241	Seth Cochran	Tinee	1/2A3-2t	almost beaned Ted	1	1.25
242	Alissa Hoyme	Alpha III	B6-2		1	5
243	Elliot Carpenter	Astrosat	B6-4		1	5
244	Elliot Carpenter	Corkscrew	B6-4		1	5
<b>Total Flights: 244</b>					<b>268</b>	<b>5272.3</b>
<b>Total Motors: 268</b>						
<b>Total Impulse (N-s): 5272.3</b>						
<b>Average Impulse (N-s): 19.7</b>						
<b>Motor Distribution</b>						
MM	0					
1/4 A	0					
1/2A	26					
A	37					
B	49					
C	67					
D	49					
E	9					
F	15					
G	13					
H	3					