

MASA launch, Blaine, August 25, 2001					Total #	Total
#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
1	Mark Thell	Tri-F-O	B6-0	Great UFO drag race participant	1	5
2	Ellison Lenz	Snitch	C6-0	Great UFO drag race participant	1	9
3	Seth Cochran	Quest UFO	C6-0	Great UFO drag race participant	1	9
4	Ted Cochran	Snitch	C6-0	Great UFO drag race participant	1	9
5	Ted Cochran	MicroMaxx UFO	MicroMaxx	Great UFO drag race participant	1	0.2
6	Dave Fergus	Snitch	C6-0	Great UFO drag race participant	1	9
7	Alan Estenson	Snitch	C6-0	Great UFO drag race participant	1	9
8	Mike Kutzke	Quest UFO	C6-0	Great UFO drag race participant	1	9
9	Mollie Frisvold	Snitch	C6-0	Great UFO drag race participant	1	9
10	Alan Estenson	Silver Comet	D12-5	Silver Comet drag race participant	1	17
11	Ted Cochran	Silver Comet	D12-5	Silver Comet drag race participant	1	17
12	Dave Gensler	Silver Comet	D12-3	Silver Comet drag race participant	1	17
13	Dave Fergus	Silver Comet	D12-5	Silver Comet drag race participant	1	17
14	Jeff Hove	Big Daddy	D12-5	(Not quite a Silver Comet, but a drag race participant)	1	17
15	Neal Higgins	V2	D12-3	(Not quite a Silver Comet, but a drag race participant)	1	17
16	Jeff Hove	Bic Pen	MicroMaxx	1st flight of the day	1	0.2
17	Ted Cochran	ARV Condor	B6-2	2nd flight of the day - testing the cloud ceiling	1	5
18	Ted Cochran	Swinger	B6-2		1	5
19	Ken Jarosch	Alien Space Probe	C5-3		1	9.5
20	Mark Thell	Gemini Titan	B6-4	unstable - due to motor nozzle erosion	1	5
21	Lee Frisvold	Commander	A8-3		1	2.5
22	Ryan Schwartz	Nike Smoke	A8-3		1	2.5
23	Quinn Carlson	Redi-Roc Raider	A10-3t		1	2.5
24	Mollie Frisvold	Intruder	B6-4	reluctant chute	1	5
25	Mark Poston	Street Seeker	B6-4	unstable	1	5
26	Christian Vatsaas	Tiger	A8-3		1	2.5
27	Ted Cochran	RCX	A2-3	rocket glider	1	2.5
28	Mike Kutzke	Star Wars Y-Wing	B6-4	straight flight, powerful ejection kicked motor	1	5
29	Ben Oelshlaeger	Bandit	A8-3	first flight	1	2.5
30	Nick Oelshlaeger	Killer Willy	A8-3	first flight	1	2.5
31	Joe Kimmes	Patriot	B6-4		1	5
32	Mike Kutzke	Alpha	A8-3	"old reliable"	1	2.5
33	Neal Higgins	Blobbo	C6-5	maiden voyage, very late ejection	1	9
34	Mike Town	Viking	1/2A6-2		1	1.25
35	Lee Frisvold	Astrocarn	C6-7		1	9
36	Ingrid Vatsaas	Little Swedish Plumber	B6-4		1	5
37	Ellison Lenz	Aura	D12-5		1	17
38	Austin Carlson	R2-D2	A10-3t	no chute	1	2.5
39	Christian Vatsaas	F22 Boost Glider	C6-3	good glide!	1	9
40	Seth Cochran	SR71	MicroMaxx	itty-bitty lawn dart	1	0.2
41	Jeff Hove	Centuri Taurus	B6-4	25 year old rocket	1	5
42	Ken Jarosch	Strike Fighter	C5-3	nice flight	1	9.5
43	Liz Newswanger	Halley	B4-4		1	5
44	Kirsten Hoyme	Aztec	A8-3		1	2.5
45	Ken Hoyme	Big Bertha	A8-3	"hold your breath" - low but good flight	1	2.5
46	Alissa Hoyme	Gemini DC	A8-3	both chutes out but didn't unfurl	1	2.5

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#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
47	Nate Crist	Flash 4	A8-3	separated	1	2.5
48	Larry Schwartz	Nightwing	B6-4	separated	1	5
49	Joel Henry	X-2	A3-4t	no chute	1	2.5
50	Mark Poston	Street Seeker	B6-4	separated	1	5
51	Joe Kimmes	Tomahawk	B6-4		1	5
52	Paul Newswanger	R2-D2	C6-5	low flight - R2 went "boink" on his head	1	9
53	Alex Carlson	Alpha III	A8-3	chute didn't open	1	2.5
54	Neal Higgins	Corkscrew	B6-4		1	5
55	Mark Thell	Ranger	D12-5	20 year old kit	1	17
56	Chuck Marchio	Hyper X	C6-5	drag race, separated	1	9
57	Dan Nestor	Finless	C6-5	drag race, scratch built, "kinda" stable	1	9
58	John Carlson	Enterprise E	C6-3	no chute	1	9
59	Mike Kutzke	Star Wars ship	A10-3t		1	2.5
60	Mollie Frisvold	Astrocarn	C6-7	cruise missile, late chute	1	9
61	Jeff Hove	Centuri Orion	B6-4	hair raising flight, went boink	1	5
62	Glen Overby	A Painted Rocket	B6-4	kitbashed Alpha	1	5
63	Rick Vatsaas	Big Bertha	D12-5		1	17
64	Ingrid Vatsaas	Anole	A10-3t		1	2.5
65	Mike Kutzke	Seeker	D21-4		1	20
66	Ryan Schwartz	HelioCopter	C6-7		1	9
67	Ben Oelshlaeger	Bandit	A8-3		1	2.5
68	Kirsten Hoyme	Aztec	B6-6		1	5
69	John Anderson	Blackbird	C6-5		1	9
70	Ryan Crist	Alpha III	B6-6		1	5
71	Paul Newswanger	Firebird	A10-3t	made from extra parts	1	2.5
72	Ken Hoyme	Big Bertha	C6-5	30 year old engine	1	9
73	Joe Kimmes	Big Daddy	D12-5		1	17
74	Rick Vatsaas	Satellite Drone	C6-5	stable this time	1	9
75	John Carlson	Mars Lander	C5-3	25 years old, landed on its legs!	1	9.5
76	Ted Cochran	RCX	B2-3	stuck on rod (oops)	1	5
77	Ellison Lenz	Razor	C6-3		1	9
78	Neal Higgins	Corkscrew	C6-5		1	9
79	Mark Poston	Street Seeker	B6-4	separated	1	5
80	Mark Poston	Dr. Strangelove	C6-0; B6-4	violently unstable	2	14
81	John Carlson	Blue Bird Zero	C5-3		1	9.5
82	Alan Estenson	Dynamic Carrier	B6-4		1	5
83	Jeff LaHay	Zinger X2	B6-4	first flight	1	5
84	Garrett LaHay	Wizard	A8-3	second flight	1	2.5
85	Dan vanDyke	Sam-X	C6-0; B6-6	second flight	2	14
86	Paul Newswanger		B4-4		1	5
87	John Anderson	Honest John	C6-5		1	9
88	Joel Henry	Mars Lander	A3-4t		1	2.5
89	Jeff Hove	Trident	C6-5	26 year old rocket	1	9
90	Ben Oelshlaeger	Bandit	B6-4		1	5
91	Ken Jarosch	F14	C5-3	good glide!	1	9.5
92	Liz Newswanger	Halley	B4-4		1	5

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93	Damian Kostron	Fishing Lure	D12-5		1	17
94	Mollie Frisvold	2 stage Fat Boy	D12-0; C6-5	did not stage, sustainer lawn dart	1	17
95	Kerry Hodges	Cherokee-D	D12-5	clone	1	17
96	Jeff LaHay	No Name Thingy	A10-3t	first flight	1	2.5
97	Lee Frisvold	Mars Lander	C6-3	rocket over 30 years old	1	9
98	Christian Vatsaas	Tiger	B6-4		1	5
99	Ellison Lenz	Phoenix	C6-5	with Charlie Curtsinger, first launch	1	9
100	John Carlson	Centuri Orion clone	C6-5		1	9
101	Ben Oelshlaeger	Bandit	B6-4	drag race	1	5
102	Nick Oelshlaeger	Alpha III	B6-4	drag race	1	5
103	Alan Estenson	Warrior 56	C6-5		1	9
104	Ken Jarosch	Super Big Bertha	D12-5	nice flight	1	17
105	John Carlson	Star Blazer	A10-3t		1	2.5
106	Joe Schneider	Tie Fighter	C6-3		1	9
107	John Carlson	Mars Snooper	B6-6	25 year old rocket	1	5
108	John Carlson	Mars Snooper II	B6-6	20 year old rocket	1	5
109	Kirsten Hoyme	Aztec	B6-6		1	5
110	Ryan Crist	Alpha III	C6-3	drag race	1	9
111	Alissa Hoyme	Alpha III	C6-5	drag race	1	9
112	Alan Estenson	Harmonize	D12-5	unstable - due to motor nozzle erosion	1	17
113	Nate Crist	Firebird of Doom	C6-5	field repair, tangled chute	1	9
114	Ken Hoyme	Goblin	D12-5	25 year old rocket	1	17
115	John Carlson	Apogee II	B6-0; B6-6	2x upscale, did not stage, sustainer lawn dart	1	5
116	Ellison Lenz	Challenger	C6-3		1	9
117	Ken Jarosch	Super Vega	D12-3		1	17
118	John Carlson	Odyssey	C6-5	20+ years old	1	9
119	Ellison Lenz	V2	D12-5	first flight	1	17
120	David Gensler	AMRAAM	B4-2		1	5
121	Ellison Lenz	Aura	D12-5		1	17
122	Alan Estenson	Pathfinder	D12-5	1st flight, good!	1	17
123	Joe Schneider	Explorer Aquarius	D12-3	separated	1	17
124	John Carlson	Shrike	B6-0; B6-6	25 year old rocket, didn't stage	1	5
125	David Gensler	Navy Seahawk	D12-5		1	17
126	Rick Vatsaas	Return of the Mother-in-Law	C6-3		1	9
127	Garrett LaHay	Wizard	C6-5		1	9
128	Ellison Lenz	P.G.A.	D12-5		1	17
129	David Gensler	Honest John	D12-3	good flight	1	17
130	David Gensler	Python	D12-5	good flight	1	17
131	Alan Estenson	Chain Lightning	D12-5	good flight	1	17
132	Russ Durkee	Cuda	D7	R/C boost glider	1	20
133	Damian Kostron	Cuda	D12	powered into ground - lotsa pieces	1	17
134	Alan Estenson	Invader	C6-0	UFO	1	9
135	Tim Bush	Beldar	2 C6-5		2	18
136	Alan Estenson	Monolith	C5-3	chasing all those UFO's	1	9.5
137	Alan Estenson	Khufu's Revenge	E15-4	flying pyramid!	1	40

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138	Joe Schneider	Cuda	D7	first flight, control problems	1	20
139	Mark Thell	Lil Bigger Nuke	F20-4	nice flight	1	64
140	Mark Thell	Stretch Impulse	2 D12-5	textbook flight	2	34
141	Lee Frisvold	Graduator	F20-4	great flight!	1	64
142	Mollie Frisvold	Onyx	F20-4		1	64
143	Joel Henry	#30 Japanese Artillery Rkt	F23-4	added payload bay & ejection baffle	1	56
144	Glen Overby	Aerobee 300	B6-4		1	5
145	Russ Durkee	Cuda	D7	good boost!	1	20
146	Rick Vatsaas	Kidd Plasma's Flaming...	G35-7	...Atomic Meteor of Justice	1	105
147	Damian Kostron	Centuri Little Joe II	E11-5		1	35
148	Mark Thell	Lance Beta	F20-4		1	64
149	Mollie Frisvold	Onyx	G35-4	super!	1	105
150	Joel Henry	Gekko	E15-7		1	40
151	Dan Nestor	Mustang	F20-7		1	64
152	Neal Higgins	Blobbo	D21-4		1	20
153	Jeff Hove	Custom Cardboard	D12-3		1	17
154	Dan vanDyke	Mustang	G40-7	really went up there!	1	120
155	Joe Kimmes	Initiator	F25-4		1	80
156	Kerry Hodges	Goblin	D12-3	2x upscale	1	17
157	Neal Higgins	Onyx	F20-7		1	64
158	Joe Kimmes	Impulse	2 D12-5		2	34
159	Glen Overby	Nike-Ajax	F52-5		1	78
160	Mike Kutzke	Saturn V	G35-4, 4 B6-4	great liftoff & boost! (but core-sample landing)	5	125
161	Rick Vatsaas	Fierce, Bad Rabbit	F20-7	good flight	1	64
162	Ted Cochran	Eliminator	F62-4	great flight!	1	80
163	Mark Thell	Forte	G38-4	good flight	1	94
164	Neal Higgins	Initiator	G35-7	good flight	1	105
165	Ken Jarosch	Impulse	2 D12-5	great flight!	2	34
166	Tim Bush	2.3X Orbital Transport	G38-4	awesome flight!!!	1	94
167	Larry Schwartz	BSD Horizon	G64-4	first flight - very nice	1	120
168	Alan Estenson	Warrior 214	G38-7		1	94
169	Dan Nestor	Blue Streak	H128-M	scratchbuilt	1	177.9
170	Mike Town	Arreaux	F52-8		1	78
171	Mike Kutzke	Mailing Tube	E15-7	lawn dart	1	40
172	Ken Jarosch	Initiator	F50-6		1	80
173	Tim Bush	AMRAAM 2	G35-7	impressive ballistic lawn dart, but minimal damage!	1	105
174	Ed Ryan	RD 3	H128	good flight	1	177.9
175	Ted Cochran	lil Nuke	F20-7		1	64
176	Alan Estenson	Wanderer	E15-7		1	40
177	Ken Jarosch	Optima	D12-3	nice flight	1	17
178	Charlie Curtsinger	Phoenix	C6-5, 3 B6-2	& Ellison Lenz, 1st cluster flight, flew well	4	24
179	Tim Bush	Snort	F20-7	separated	1	64
180	Dan Nestor	Ring Fin	G35-7	first flight	1	105
181	Jeff Hove	Initiator	F22-5	beeper on board	1	65
182	Glen Overby	Aerobee 350	F24-4	flight computer on board	1	50

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#	Name	Rocket	Motor(s)	Comment	Motors	Impulse
Total Flights: 182					195	4268.15
Total Motors: 195						
Total Impulse (N-s): 4268.15						
Average Impulse (N-s): 21.9						
Motor Distribution						
MM			3			
1/4 A			0			
1/2A			1			
A			23			
B			45			
C			47			
D			41			
E			5			
F			17			
G			11			
H			2			