

MASA launch, Elk River VFW, November 20, 2011					Total #	Total
#	Flyer's Name	Rocket's Name	Motor(s)	Comments	Motors	Impulse
1	Estenson, Alan	MQ-2	A8-3	made of miscellaneous Quest parts	1	2.5
2	Estenson, Alan	Mini Patriot	A3-4t		1	2.5
3	Estenson, Alan	Snowflake	C6-0	first flight	1	9
4	Estenson, Alan	Razor	B4-4		1	5
5	Estenson, Alan	Python	D12-5	"North Pole"	1	17
6	Estenson, Alan	Super Duper Blobbo	E9-6	good flight	1	28.5
7	Estenson, Alan	Safety Third	E20-4	didn't like "more power", unstable	1	35
8	Estenson, Alan	Python	E20-7	"North Pole"	1	35
9	Estenson, Alan	Safety Third	D12-3	redemption, good flight	1	17
10	Estenson, Alan	MQ-2	B6-4	lost its streamer	1	5
11	Estenson, Alan	Snowflake	C6-3	good flight	1	9
12	Estenson, Alan	Snowball	B6-0	Snowball Fight drag race	1	5
13	Estenson, Alan	Snowball	C6-0	Snowball Fight drag race	1	9
14	Flansburg, Jace	Black/Red TIFI	C6-3		1	9
15	Flansburg, Jace	Shuttle Express	C6-3	wadded chute, gliders beat rocket to the ground	1	9
16	Flansburg, Jace	Purple Tube	C6-5		1	9
17	Flansburg, Jace	Planet Probe	B6-0		1	5
18	Flansburg, Jace	Alpha III	C6-5		1	9
19	Flansburg, Jace	Wizzard	B6-4		1	5
20	Flansburg, Jace	Athena	C6-3	went really high!	1	9
21	Flansburg, Jace	Patriot	C6-3		1	9
22	Flansburg, Jace	Blue/Orange Payloader	C6-5		1	9
23	Flansburg, Jeff	EPM 010	C6-5	first flight	1	9
24	Flansburg, Jeff	CrossFire ISX	C6-5		1	9
25	Flansburg, Jeff	Alpha III	C6-5		1	9
26	Flansburg, Jeff	Taser	C6-5		1	9
27	Flansburg, Jeff	Amazon	C6-5		1	9
28	Higgins, Neal	UFFO	C6-3	arcing flight	1	9
29	Higgins, Neal	Red Baron	B6-4	good flight	1	5
30	Higgins, Neal	Little Nuke	B6-6		1	5
31	Higgins, Neal	Baby Bertha	C6-5		1	9
32	Higgins, Neal	Mini Max	A3-4t		1	2.5
33	Higgins, Neal	Der Red Max	D21-7	Wahoo!	1	20
34	Higgins, Neal	Tres Super Alpha	(3) B6-6		3	15
35	Higgins, Neal	Check Six	E9-8	straight up, long boost, beautiful flight	1	28.5
36	Higgins, Neal	Strato Cruiser II	C11-0; A8-5		2	11.5
37	Higgins, Neal	Drake	D12-7		1	17
38	Higgins, Neal	Snowball 1	C6-0	Snowball Fight drag race	1	9
39	Higgins, Neal	Snowball 2	C6-0	Snowball Fight drag race	1	9

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40	Knox, Kurt	White Elephant	C6-3	Merry Christmas!	1	9
41	Knox, Kurt	Hang Time	B6-4	CMR break-away design, no chute	1	5
42	Knox, Kurt	Hang Time	C6-3	CMR break-away design, no chute	1	9
43	Knox, Kurt	X-Prize Rubicon	D12-5		1	17
44	Knox, Kurt	White Elephant	C6-3		1	9
45	Knox, Kurt	Bullpup 12D	B6-4		1	5
46	Knox, Kurt	Super Alpha	C6-5		1	9
47	Knox, Kurt	Snowball	C6-3	Snowball Fight drag race	1	9
48	Knox, Lucas	CrossFire ISX	C6-5	good flight	1	9
49	Knox, Lucas	Star Stryker	B6-4		1	5
50	Knox, Lucas	HERC-5	C6-5		1	9
51	Knox, Lucas	Snowball	C6-3		1	9
52	Lenz, Stuart	Stomp	A8-3	unstable	1	2.5
53	Lenz, Stuart	Dragon Ship 7	B6-2	wadded chute	1	5
54	Lenz, Stuart	Interceptor	B6-4	good flight	1	5
55	Lenz, Stuart	Dragonship 8	(2) C6-3		2	18
56	Lenz, Stuart	SS Cassiopeia	B6-2		1	5
57	Lenz, Stuart	Space Cruiser Excalibur	B6-2		1	5
58	Lenz, Stuart	Pokemon 2	D12-5		1	17
59	Lenz, Stuart	US V2 Rand 6	B6-2		1	5
60	Lenz, Stuart	Luna 3	B6-4		1	5
61	Lenz, Stuart	Super Mosquito	B6-4	first flight	1	5
62	Lenz, Stuart	Bull Pub	B6-4		1	5
63	Lenz, Stuart	Baby Bertha	B6-4		1	5
64	Lenz, Stuart	Luna 2	B6-4		1	5
65	Ross, Chuck & Ian	Evil One	A8-5	non-member	1	2.5
66	Ross, Chuck & Ian	Evil One	B6-4	non-member	1	5
67	Ross, Chuck & Ian	Evil One	B6-4	non-member	1	5
68	Ross, Ian	ATW - TIFI	A6-4	non-member	1	2.5
69	Ross, Ian	ATW - TIFI	A8-5	non-member	1	2.5
70	Ross, Ian	ATW - TIFI	B6-4	non-member	1	5
71	Ross, Ian	ATW - TIFI	B6-4	non-member	1	5
72	Ross, Ian	ATW - TIFI	A8-5	non-member	1	2.5
73	Ross, Ian	Evil One	B6-4	non-member	1	5
74	Ross, Ian	Evil One	B6-4	non-member	1	5
Total Flights: 74					78	669.5
Total Motors: 78						
Total Impulse (N-s): 669.5						
Average Impulse (N-s): 8.6						

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Motor Distribution	
MM	0
1/4 A	0
1/2 A	0
A	9
B	29
C	30
D	6
E	4
F	0
G	0
H	0
I	0
J	0

