

LAUNCH SUMMARY

total number of flights	70
total number of low power flights	36
total number of HPRLite flights	15
total number of high power flights	19
total single stage flights	61
total cluster flights	5
total multiple stage flights	4
total cluster/staged flights	0
total number of motors expended	80
total impulse expended	12041.1
total number of flyers	32
number of states represented	1
States TX	

flight class		flights
U	0.000-0.000 Ns	0
1/8A	0.001-0.312 Ns	0
1/4A	0.312-0.625 Ns	0
1/2A	0.625-1.250 Ns	0
A	1.250-2.500 Ns	1
B	2.500-5.000 Ns	7
C	5-10 Ns	10
D	10-20 Ns	11
E	20-40 Ns	7
F	40-80 Ns	9
G	80-160 Ns	7
H	160-320 Ns	8
I	320-640 Ns	6
J	640-1280 Ns	3
K	1280-2560 Ns	1
L	2560-5120 Ns	0
M	5120-10240 Ns	0
N	10240-20480 Ns	0
O	20480-40960 Ns	0
totals		70

Top Ten Individual Flyers		number of flights
1.	Sebastian	5
2.	Chas Russell	5
3.	Bill Gee	4
4.	Chuck Carlisle	4
5.	Jeff Webb	4
6.	Gary Briggs	4
7.	Casey Bender	3
8.	Abby Little	3
9.	Randall	3
10.	David Schultz	3

LAUNCH SUMMARY

Top Ten All-Around Fly-ers (individual + team)		number of flights
1.	Sebastian	5
2.	Chas Russell	5
3.	Bill Gee	4
4.	Chuck Carlisle	4
5.	Jeff Webb	4
6.	Gary Briggs	4
7.	Casey Bender	3
8.	Abby Little	3
9.	Randall	3
10.	David Schultz	3

Top Ten Motor Users		number of motors
1.	Gary Briggs	7
2.	Chas Russell	6
3.	Sebastian	5
4.	Bill Gee	4
5.	Casey Bender	4
6.	Chuck Carlisle	4
7.	Jeff Webb	4
8.	David Schultz	4
9.	John Dyer	4
10.	Abby Little	3

Top Ten Total Impulse Users		Tot Imp, N-s
1.	Robert Vanover	3206.5
2.	Phil Robinson	1741.5
3.	John Kneen	1158.5
4.	Robert	979.0
5.	John Dyer	869.7
6.	David Schultz	528.6
7.	Randall	359.1
8.	Gary Briggs	342.3
9.	Tom Knapp	339.9
10.	Chas Russell	338.0

MOTOR USAGE

motor	type	TotImp (N-s)	prop wt (g)	single stage	cluster power	staged power	cluster staged	total usage
ES A3T	13mm SU	2.5	3.3	0	0	1	0	1
ES A8	18mm SU	2.5	3.3	1	0	0	0	1
ES B6	18mm SU	5.0	5.6	7	0	1	0	8
ES C6	18mm SU	9.0	10.8	9	4	3	0	16
ES D12	24mm SU	17.0	21.1	7	5	1	0	13
AT D13	18mm RL	19.3	9.8	1	0	0	0	1
ES E12	24mm SU	27.2	31.8	1	0	0	0	1
AT E15W	24mm SU	38.4	17.8	0	2	0	0	2
ES E16	29mm SU	33.4	40.0	2	0	1	0	3
AT E20	24mm SU	35.0	16.2	1	0	0	0	1
ES E9	24mm SU	27.9	35.8	1	0	0	0	1
ES F15	29mm SU	49.6	60.0	0	0	1	0	1
AT F26	29mm SU	62.2	43.1	1	0	0	0	1
AT F40W	29mm RL	78.1	40.0	2	0	0	0	2
AT F42	29mm SU	52.9	27.0	1	0	0	0	1
ES F50	29mm SU	76.8	37.9	1	0	0	0	1
AT F50T	29mm SU	80.0	37.9	1	0	0	0	1
AT G125	29mm SU	128.0	59.6	1	0	0	0	1
AT G40W	29mm SU	114.1	55.1	2	0	0	0	2
AT G54W	29mm RL	74.7	46.0	1	0	0	0	1
AT G78	29mm SU	109.9	59.7	1	0	0	0	1
ES G80	29mm SU	136.6	62.5	1	0	0	0	1
AT G80T	29mm SU	116.0	56.9	1	0	0	0	1
AT H123W	38mm RL	213.5	125.0	1	0	0	0	1
AT H128W	29mm RL	181.0	92.2	1	0	0	0	1
AT H135	29mm SU	225.8	82.0	1	0	0	0	1
AT H165	29mm RL	165.0	90.0	1	0	0	0	1
AT H180W	29mm RL	240.0	123.0	1	0	0	0	1
AT H195	29mm SU	236.1	115.0	3	0	0	0	3
AT I140T	54mm SU	579.2	327.2	2	0	0	0	2
AT I211W	38mm RL	435.9	250.0	1	0	0	0	1
AT I284W	38mm RL	552.0	312.5	1	0	0	0	1
AT I300T	38mm RL	440.0	221.6	1	0	0	0	1
AT I366	38mm RL	539.0	300.0	1	0	0	0	1
AT J275W	54mm RL	818.7	440.2	1	0	0	0	1
AT J350W	38mm RL	700.0	375.0	1	0	0	0	1
CTI J355	54mm RL	1189.5	669.0	1	0	0	0	1
AT K1050W	54mm SU	2506.5	1368.5	1	0	0	0	1
totals		12041.1		61	11	8	0	80

number of different motor types = 38

TOTAL FLIGHT SUMMARY

Rocketeer	Home Town	state	motor usage		model power		HPRLite		HPR		indiv total	team total
			Num	TotImp	ind	tm	ind	tm	ind	tm		
Randall	Grapevine	TX	3	359.1	2	0	0	0	1	0	3	0
Robert	McKinney	TX	2	979.0	0	0	0	0	2	0	2	0
Sebastian	Garland	TX	5	45.0	5	0	0	0	0	0	5	0
Casey Bender	Garland	TX	4	97.3	3	0	0	0	0	0	3	0
Chris Bender	Garland	TX	1	236.1	0	0	0	0	1	0	1	0
Wesley Bender	Garland	TX	3	31.0	2	0	0	0	0	0	2	0
Gary Briggs	The Colony	TX	7	342.3	3	0	0	0	1	0	4	0
Chuck Carlisle	Plano	TX	4	78.9	4	0	0	0	0	0	4	0
Alyssa Crabb		TX	1	17.0	1	0	0	0	0	0	1	0
Cale Crabb		TX	1	5.0	1	0	0	0	0	0	1	0
Chuck Crabb		TX	1	181.0	0	0	0	0	1	0	1	0
John Dyer	Dallas	TX	4	869.7	1	0	0	0	1	0	2	0
Nathaniel Ejma	Little Elm	TX	1	9.0	1	0	0	0	0	0	1	0
Bill Gee	Plano	TX	4	58.2	4	0	0	0	0	0	4	0
Tom Knapp	Bedford	TX	2	339.9	1	0	0	0	1	0	2	0
John Kneen	Plano	TX	2	1158.5	0	0	0	0	2	0	2	0
Abby Little	Frisco	TX	3	161.2	3	0	0	0	0	0	3	0
Tommy Little	Frisco	TX	2	18.0	2	0	0	0	0	0	2	0
Wilson Little	Frisco	TX	1	236.1	0	0	0	0	1	0	1	0
Ted Macklin	Van Alstyne	TX	1	109.9	1	0	0	0	0	0	1	0
Keith Pate	Bowie	TX	2	83.0	1	0	0	0	0	0	1	0
Phil Robinson	Sherman	TX	2	1741.5	0	0	0	0	2	0	2	0
Chas Russell	Fort Worth	TX	6	338.0	4	0	0	0	1	0	5	0
David Schultz	Arlington	TX	4	528.6	2	0	0	0	1	0	3	0
David Smith	Allen	TX	2	189.5	2	0	0	0	0	0	2	0
Kanleigh Smith	Allen	TX	1	9.0	1	0	0	0	0	0	1	0
Robert Vanover	Crowley	TX	2	3206.5	0	0	0	0	1	1	1	1
William Vanover	Crowley	TX	0	0.0	0	0	0	0	0	1	0	1
Nick Viggiano	Dallas	TX	2	44.0	2	0	0	0	0	0	2	0
Landin Watson	Euless	TX	2	38.4	2	0	0	0	0	0	2	0
Jeff Webb	Frisco	TX	4	294.4	3	0	0	0	1	0	4	0
Kirk Wood	Sachse	TX	1	236.1	0	0	0	0	1	0	1	0
totals			80	12041.1	51	0.0	0	0.0	18	1.0	69	0.0

total number of flyers = 32

FLIGHT LOG

rocketeer(s)	stg	cls	type	TotImp	rocket	motor(s)	comment
Casey Bender	1		low A	2.5	QU AS-I Fighter	ES A8	
Sebastian	1		Low B	5.0	ES EPM-010	ES B6	
Sebastian	1		Low B	5.0	ES Baby Bertha	ES B6	w 4 bugonauts
Wesley Bender	1		low B	5.0	ES Skytrax	ES B6	
Cale Crabb	1		Low B	5.0	ES Airwalker	ES B6	
Bill Gee	1		low B	5.0	SR Lune R-1	ES B6	
Abby Little	1		low B	5.0	SCR Unknown	ES B6	
Landin Watson	1		Low B	5.0	ES Amazon	ES B6	
Gary Briggs	2		low C	7.5	ES Solar Flare	1 x ES B6, 1 x ES A3	
Sebastian	1		Low C	9.0	ES Patriot (4-fin)	ES C6	
Sebastian	1		Low C	9.0	ES EPM-010	ES C6	
Nathaniel Ejma	1		low C	9.0	ES Prospector	ES C6	
Bill Gee	1		Low C	9.0	ES Fat Boy	ES C6	
Tommy Little	1		low C	9.0	SCR Unknown	ES C6	
Tommy Little	1		Low C	9.0	ES Amazon	ES C6	
Chas Russell	1		low C	9.0	SR OSO Clone	ES C6	
Kanleigh Smith	1		low C	9.0	ES Phantom Blue	ES C6	
Nick Viggiano	1		low C	9.0	SR Arcas	ES C6	
Sebastian	1		low D	17.0	ES CC Express	ES D12	
Chuck Carlisle	1		low D	17.0	ES Gold	ES D12	
Chuck Carlisle	1		low D	17.0	ES Yellow Max	ES D12	
Chuck Carlisle	1		low D	17.0	ES Red Max	ES D12	I cannot remember the name anyway
Alyssa Crabb	1		low D	17.0	SCR Unknown	ES D12	
Bill Gee	1		low D	17.0	SCR Unknown	ES D12	
Jeff Webb	1		Low D	17.0	ES Eliminator	ES D12	
Casey Bender	1	*	Low D	18.0	ES Baby Bertha	2 x ES C6	
Gary Briggs	1	*	low D	18.0	AAR X-Fire	2 x ES C6	gap staged Warp 2 Cochran
David Schultz	2		low D	18.0	SCR Unknown	1 x ES C6, 1 x ES C6	
Chas Russell	1		low D	19.3	ES Super Alpha	AT D13	
Wesley Bender	2		low E	26.0	RO Super Chief II	1 x ES D12, 1 x ES C6	
Bill Gee	1		Low E	27.2	ES Big Bertha	ES E12	
Chuck Carlisle	1		low E	27.9	ES Gold	ES E9	
Landin Watson	1		Low E	33.4	ES Ascender	ES E16	
Jeff Webb	1		Low E	33.4	ES Ascender	ES E16	
Chas Russell	1	*	low E	34.0	SR SLS Brighton	2 x ES D12	
Nick Viggiano	1		low E	35.0	ES D-region Tomahawk	AT E20	
John Dyer	1	*	Hlt F	51.0	LOC Viper III	3 x ES D12	flight #12
David Smith	1		Hlt F	52.9	LOC Lil' Nuke	AT F42	
Chas Russell	1		Hlt F	62.2	MC Skreech	AT F26	
David Schultz	1		Hlt F	74.7	RW Formula 54	AT G54	First flight after rebuild (only)
Gary Briggs	1	*	Hlt F	76.8	TLP MM83 Exocet	2 x AT E15	
Casey Bender	1		Hlt F	76.8	ES Nike Smoke	ES F50	
Abby Little	1		Hlt F	78.1	RRR P-Chuter Extreme	AT F40	
Abby Little	1		Hlt F	78.1	RRR .	AT F40	
Randall	1		Hlt F	80.0	MC DX3	AT F50	Two chutes - Payload & booster se
Keith Pate	2		Hlt G	83.0	ES Majestic W/boost	1 x ES F15, 1 x ES E16	
Ted Macklin	1		Hlt G	109.9	SCR Baby Ruther	AT G78	
Randall	1		Hlt G	114.1	ES Mega Der Red Max	AT G40	
Tom Knapp	1		Hlt G	114.1	ES Leviathan	AT G40	keychain cam Way up there
Jeff Webb	1		Hlt G	116.0	AT HV Arcas	AT G80	
Jeff Webb	1		HPR G	128.0	SCR BSD Horizon	AT G125	
David Smith	1		Hlt G	136.6	ES Ventriss	ES G80	
Randall	1		HPR H	165.0	MC DX3	AT H165	
Chuck Crabb	1		HPR H	181.0	SCR Cougar 3XL	AT H128	
Chas Russell	1		HPR H	213.5	DGA Arrow	AT H123	

FLIGHT LOG

rocketeer(s)	stg	cls	type	TotImp	rocket	motor(s)	comment
Tom Knapp	1		HPR H	225.8	ES Leviathan	AT H135	
Chris Bender	1		HPR H	236.1	MC PAC-3	AT H195	
Wilson Little	1		HPR H	236.1	WI Wildman_Jr.	AT H195	certification flight
Kirk Wood	1		HPR H	236.1	WI Wildchild	AT H195	
Gary Briggs	1		HPR H	240.0	PML Quasar	AT H180	First HPR flight since 2002, orig
David Schultz	1		HPR I	435.9	SCR Assault Breaker	AT I211	dual deploy
Robert	1		HPR I	440.0	PL Dominator 3	AT I300	
Robert	1		HPR I	539.0	PL Dominator 3	AT I366	
Phil Robinson	1		HPR I	552.0	PML Ariel	AT I284	Dual deploy
John Kneen	1		HPR I	579.2	PML Matrix	AT I140	
John Kneen	1		HPR I	579.2	PML Matrix	AT I140	
Robert Vanover	1		HPR J	700.0	MC Frenzy 4" and William Vanover	AT J350	
John Dyer	1		HPR J	818.7	PML Endeavour	AT J275	This was my Level II Cert Rocket
Phil Robinson	1		HPR J	1189.5	SCR Arrow	CTI J355	Dual deploy
Robert Vanover	1		HPR K	2506.5	MC Pike5.5	AT K1050	Dual Deploy

total flights = 70

ROCKET KIT TYPE SUMMARY

Manufacturer	Model	Name	wt,oz	len,in	dia,in	flts
Art Applewhite Rockets	X-Fire *		0.0	0.0	0.0	1
Aerotech	HV Arcas		22.0	56.0	2.6	1
DG&A	Arrow		65.0	46.0	4.0	1
Estes Industries, Inc.	Airwalker		1.8	20.0	1.0	1
Estes Industries, Inc.	Amazon		3.0	29.4	1.3	2
Estes Industries, Inc.	Ascender		11.0	42.1	2.0	2
Estes Industries, Inc.	Baby Bertha		1.9	12.8	1.6	2
Estes Industries, Inc.	Big Bertha		2.2	24.0	1.6	1
Estes Industries, Inc.	CC Express *		0.0	0.0	0.0	1
Estes Industries, Inc.	D-region Tomahawk *		0.0	0.0	0.0	1
Estes Industries, Inc.	EPM-010		2.4	35.2	1.0	2
Estes Industries, Inc.	Eliminator		5.6	44.2	1.4	1
Estes Industries, Inc.	Fat Boy		3.0	12.5	2.6	1
Estes Industries, Inc.	Gold *		0.0	0.0	0.0	2
Estes Industries, Inc.	Leviathan		17.5	41.5	3.0	2
Estes Industries, Inc.	Majestic W/boost *		0.0	0.0	0.0	1
Estes Industries, Inc.	Mega Der Red Max		31.0	40.0	4.0	1
Estes Industries, Inc.	Nike Smoke *		0.0	0.0	0.0	1
Estes Industries, Inc.	Patriot (4-fin)		1.5	21.2	1.6	1
Estes Industries, Inc.	Phantom Blue *		0.0	0.0	0.0	1
Estes Industries, Inc.	Prospector *		0.0	0.0	0.0	1
Estes Industries, Inc.	Red Max *		0.0	0.0	0.0	1
Estes Industries, Inc.	Skytrax *		0.0	0.0	0.0	1
Estes Industries, Inc.	Solar Flare *		0.0	0.0	0.0	1
Estes Industries, Inc.	Super Alpha *		0.0	0.0	0.0	1
Estes Industries, Inc.	Ventris *		0.0	0.0	0.0	1
Estes Industries, Inc.	Yellow Max *		0.0	0.0	0.0	1
LOC/Precision	Lil' Nuke		13.0	29.5	2.3	1
LOC/Precision	Viper III		16.0	47.5	2.6	1
Madcow	DX3 *		0.0	0.0	0.0	2
Madcow	Frenzy 4" *		0.0	0.0	0.0	1
Madcow	PAC-3 *		0.0	0.0	0.0	1
Madcow	Pike5.5 *		0.0	0.0	0.0	1
Madcow	Skreech *		0.0	0.0	0.0	1
Proline	Dominator 3 *		0.0	0.0	0.0	2
Public Missiles Limited	Ariel		47.6	56.0	3.1	1
Public Missiles Limited	Endeavour		68.5	70.7	4.0	1
Public Missiles Limited	Matrix *		0.0	0.0	0.0	2
Public Missiles Limited	Quasar		43.3	54.5	2.7	1
Quest	AS-I Fighter *		0.0	0.0	0.0	1
Rocketarium	Super Chief II *		0.0	0.0	0.0	1
Red River Rocketry	.		0.0	0.0	0.0	1
Red River Rocketry	P-Chuter Extreme *		0.0	0.0	0.0	1
Rocketry Warehouse	Formula 54 *		0.0	0.0	0.0	1
SEMROC	Arcas *		0.0	0.0	0.0	1
SEMROC	Lune R-1 *		0.0	0.0	0.0	1
SEMROC	OSO Clone *		0.0	0.0	0.0	1
SEMROC	SLS Brighton *		0.0	0.0	0.0	1
The Launch Pad	MM83 Exocet *		0.0	0.0	0.0	1
Wildman	Wildchild *		0.0	0.0	0.0	1
Wildman	Wildman_Jr. *		0.0	0.0	0.0	1

total number of kit rocket types = 51

SCRATCH BUILT SUMMARY

Rocketeer	Model	Name	wt,oz	len,in	dia,in	flts
Phil Robinson	Arrow		0.0	0.0	0.0	1
David Schultz	Assault Breaker		0.0	0.0	0.0	1
Jeff Webb	BSD Horizon		0.0	0.0	0.0	1
Ted Macklin	Baby Ruther		0.0	0.0	0.0	1
Chuck Crabb	Cougar 3XL		0.0	0.0	0.0	1
David Schultz	Unknown		0.0	0.0	0.0	1
Bill Gee	Unknown		0.0	0.0	0.0	1
Abby Little	Unknown		0.0	0.0	0.0	1
Tommy Little	Unknown		0.0	0.0	0.0	1
Alyssa Crabb	Unknown		0.0	0.0	0.0	1

total number of scratch rocket types = 10

MANUFACTURER SUMMARY

Abbrev	Manufacturer	Number motors used	Flights using motors	Flights using airframe
AAR	Art Applewhite Rockets	0	0	1
AT	Aerotech	32	31	1
CTI	Cesaroni Technology Inc.	1	1	0
DGA	DG&A	0	0	1
ES	Estes Industries, Inc.	47	38	30
LOC	LOC/Precision	0	0	2
MC	Madcow	0	0	6
PL	Proline	0	0	2
PML	Public Missiles Limited	0	0	5
QU	Quest	0	0	1
RO	Rocketarium	0	0	1
RRR	Red River Rocketry	0	0	2
RW	Rocketry Warehouse	0	0	1
SR	SEMROC	0	0	4
TLP	The Launch Pad	0	0	1
WI	Wildman	0	0	2
	scratch built			10
	totals	80	70	70

number of manufacturers = 16