

## LAUNCH SUMMARY

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total number of flights	13
total number of low power flights	2
total number of HPRlite flights	2
total number of high power flights	9
total single stage flights	12
total cluster flights	1
total multiple stage flights	0
total cluster/staged flights	0
total number of motors expended	14
total impulse expended	3656.8
total number of flyers	10
number of states represented	2
States CA, TX	

	<b>flight class</b>	<b>flights</b>
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	1
C	5-10 Ns	0
D	10-20 Ns	0
E	20-40 Ns	0
F	40-80 Ns	1
G	80-160 Ns	2
H	160-320 Ns	6
I	320-640 Ns	1
J	640-1280 Ns	0
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		13

	<b>Top Ten Individual Flyers</b>	<b>number of flights</b>
1.	Jeff Jones	3
2.	Mike Sebesta	2
3.	David Schultz	1
4.	Jordon Enget	1
5.	Albin Myscich K.	1
6.	Kathryn Lehocky	1
7.	Jaxon	1
8.	Chas Russell	1
9.	James Utz	1
10.	John Dyer	1

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<b>Top Ten All-Around Flyers (individual + team)</b>		<b>number of flights</b>
1.	Jeff Jones	3
2.	Mike Sebesta	2
3.	David Schultz	1
4.	Jordon Enget	1
5.	Albin Myscich K.	1
6.	Kathryn Lehocky	1
7.	Jaxon	1
8.	Chas Russell	1
9.	James Utz	1
10.	John Dyer	1

<b>Top Ten Motor Users</b>		<b>number of motors</b>
1.	Jeff Jones	3
2.	Jordon Enget	2
3.	Mike Sebesta	2
4.	David Schultz	1
5.	Albin Myscich K.	1
6.	Kathryn Lehocky	1
7.	Jaxon	1
8.	Chas Russell	1
9.	James Utz	1
10.	John Dyer	1

<b>Top Ten Total Impulse Users</b>		<b>Tot Imp, N-s</b>
1.	Jordon Enget	1400.0
2.	Jeff Jones	917.3
3.	Mike Sebesta	372.5
4.	Albin Myscich K.	226.8
5.	Kathryn Lehocky	226.8
6.	Chas Russell	206.0
7.	James Utz	181.0
8.	David Schultz	118.8
9.	Jaxon	5.0
10.	John Dyer	2.5

## MOTOR USAGE

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motor	type	TotImp (N-s)	prop wt (g)	single stage	cluster power	staged power	cluster staged	total usage
ES A8	18mm SU	2.5	3.3	1	0	0	0	1
ES B6	18mm SU	5.0	5.6	1	0	0	0	1
AT F40W	29mm RL	78.1	40.0	1	0	0	0	1
AT G138	29mm RL	157.1	70.0	1	0	0	0	1
AT G64W	29mm RL	118.8	62.5	1	0	0	0	1
AT H100	38mm SU	226.8	121.0	2	0	0	0	2
AT H128W	29mm RL	181.0	92.2	1	0	0	0	1
LK H144	38mm RL	239.2	126.0	1	0	0	0	1
AT H148	38mm RL	206.0	122.0	1	0	0	0	1
AT H210	29mm RL	215.4	106.4	1	0	0	0	1
AT I435T	38mm RL	600.0	277.0	1	0	0	0	1
AT J350W	38mm RL	700.0	375.0	0	2	0	0	2
totals		3656.8		12	2	0	0	14

number of different motor types = 12

**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		
Jaxon	Wylie	TX	1	5.0	1	0	0	0	0	0	1	0
John Dyer	Dallas	TX	1	2.5	1	0	0	0	0	0	1	0
Jordon Enget	Oroville	CA	2	1400.0	0	0	0	0	1	0	1	0
Jeff Jones	Keller	TX	3	917.3	1	0	0	0	2	0	3	0
Albin Myscich K.	McKinney	TX	1	226.8	0	0	0	0	1	0	1	0
Kathryn Lehocky	McKinney	TX	1	226.8	0	0	0	0	1	0	1	0
Chas Russell	Ft. Worth	TX	1	206.0	0	0	0	0	1	0	1	0
David Schultz	Arlington	TX	1	118.8	1	0	0	0	0	0	1	0
Mike Sebesta	Dallas	TX	2	372.5	0	0	0	0	2	0	2	0
James Utz	Sherman	TX	1	181.0	0	0	0	0	1	0	1	0
totals			14	3656.8	4	0.0	0	0.0	9	0.0	13	0.0

total number of flyers = 10

## FLIGHT LOG

rocketeer(s)	stg	cls	type	TotImp	rocket	motor(s)	comment
John Dyer	1		low A	2.5	SR UNK	ES A8	1st flight
Jaxon	1		low B	5.0	ES Flash	ES B6	
Jeff Jones	1		Hlt F	78.1	LOC Lil' Nuke	AT F40	
David Schultz	1		Hlt G	118.8	AT Initiator	AT G64	cert flight
Mike Sebesta	1		HPR G	157.1	LOC Big Executioner	AT G138	
James Utz	1		HPR H	181.0	LOC Forte	AT H128	
Chas Russell	1		HPR H	206.0	AT Buckeye Arrow	AT H148	
Mike Sebesta	1		HPR H	215.4	LOC Big Executioner	AT H210	
Albin Myscich K.	1		HPR H	226.8	LOC Hi-Tech	AT H100	cert flight chute release 400ft
Kathryn Lehocky	1		HPR H	226.8	SCR Dreamcycler	AT H100	
Jeff Jones	1		HPR H	239.2	MC Nike Smoke	LK H144	
Jeff Jones	1		HPR I	600.0	PO Thumper Jr.	AT I435	
Jordon Enget	1	*	HPR K	1400.0	LOC Big Green	2 x AT J350	

total flights = 13

### ROCKET KIT TYPE SUMMARY

Manufacturer	Model	Name	wt,oz	len,in	dia,in	flts
Aerotech	Buckeye Arrow *		0.0	0.0	0.0	1
Aerotech	Initiator		14.0	39.0	2.6	1
Estes Industries, Inc.	Flash *		0.0	0.0	0.0	1
LOC/Precision	Big Executioner *		0.0	0.0	0.0	2
LOC/Precision	Big Green *		0.0	0.0	0.0	1
LOC/Precision	Forte		29.0	47.5	4.0	1
LOC/Precision	Hi-Tech *		0.0	0.0	0.0	1
LOC/Precision	Lil' Nuke		13.0	29.5	2.3	1
Madcow	Nike Smoke *		0.0	0.0	0.0	1
Polecat Aerospace	Thumper Jr. *		0.0	0.0	0.0	1
SEMROC	UNK *		0.0	0.0	0.0	1

total number of kit rocket types = 11

**SCRATCH BUILT SUMMARY**

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<b>Rocketeer</b>	<b>Model</b>	<b>Name</b>	<b>wt,oz</b>	<b>len,in</b>	<b>dia,in</b>	<b>fts</b>
Kathryn Lehocky	Dreamcycler		0.0	0.0	0.0	1

total number of scratch rocket types = 1

### MANUFACTURER SUMMARY

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<b>Abbrev</b>	<b>Manufacturer</b>	<b>Number motors used</b>	<b>Flights using motors</b>	<b>Flights using airframe</b>
AT	Aerotech	11	10	2
ES	Estes Industries, Inc.	2	2	1
LK	Loki	1	1	0
LOC	LOC/Precision	0	0	6
MC	Madcow	0	0	1
PO	Polecat Aerospace	0	0	1
SR	SEMROC	0	0	1
	scratch built			1
	<b>totals</b>	<b>14</b>	<b>13</b>	<b>13</b>

number of manufacturers = 7