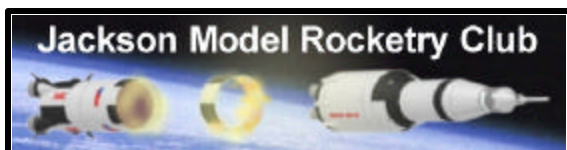


JMRC Club Launch Statistics - Summary Info
April 10, 2004
Gumberts Farm

Total Fliers: 27



Motors Burned

Average Impulse per Motor Burned 209.62 Newton Seconds

Equivalent to a/an: H Motor

Average Motors Burned per Flier 3.56

Most Used Engine: C6 13

| Motor Class | # Expended | % of Flights | Total in N/Sec. | % of N/Sec. |
|--------------|------------|--------------|-----------------|----------------|
| A | 7 | 7% | 17.5 | 0.09% |
| B | 12 | 13% | 60 | 0.30% |
| C | 19 | 20% | 286.8 | 1.43% |
| D | 6 | 6% | 144 | 0.72% |
| E | 5 | 5% | 173 | 0.86% |
| F | 9 | 9% | 590 | 2.93% |
| G | 13 | 14% | 1500 | 7.45% |
| H | 9 | 9% | 2008 | 9.98% |
| I | 8 | 8% | 3506 | 17.42% |
| J | 5 | 5% | 4007 | 19.91% |
| K | 2 | 2% | 3000 | 14.91% |
| L | 1 | 1% | 4831 | 24.01% |
| M | 0 | 0% | 0 | 0.00% |
| N | 0 | 0% | 0 | 0.00% |
| Total | 96 | 100% | 20123.3 | 100.00% |

TOP TENS

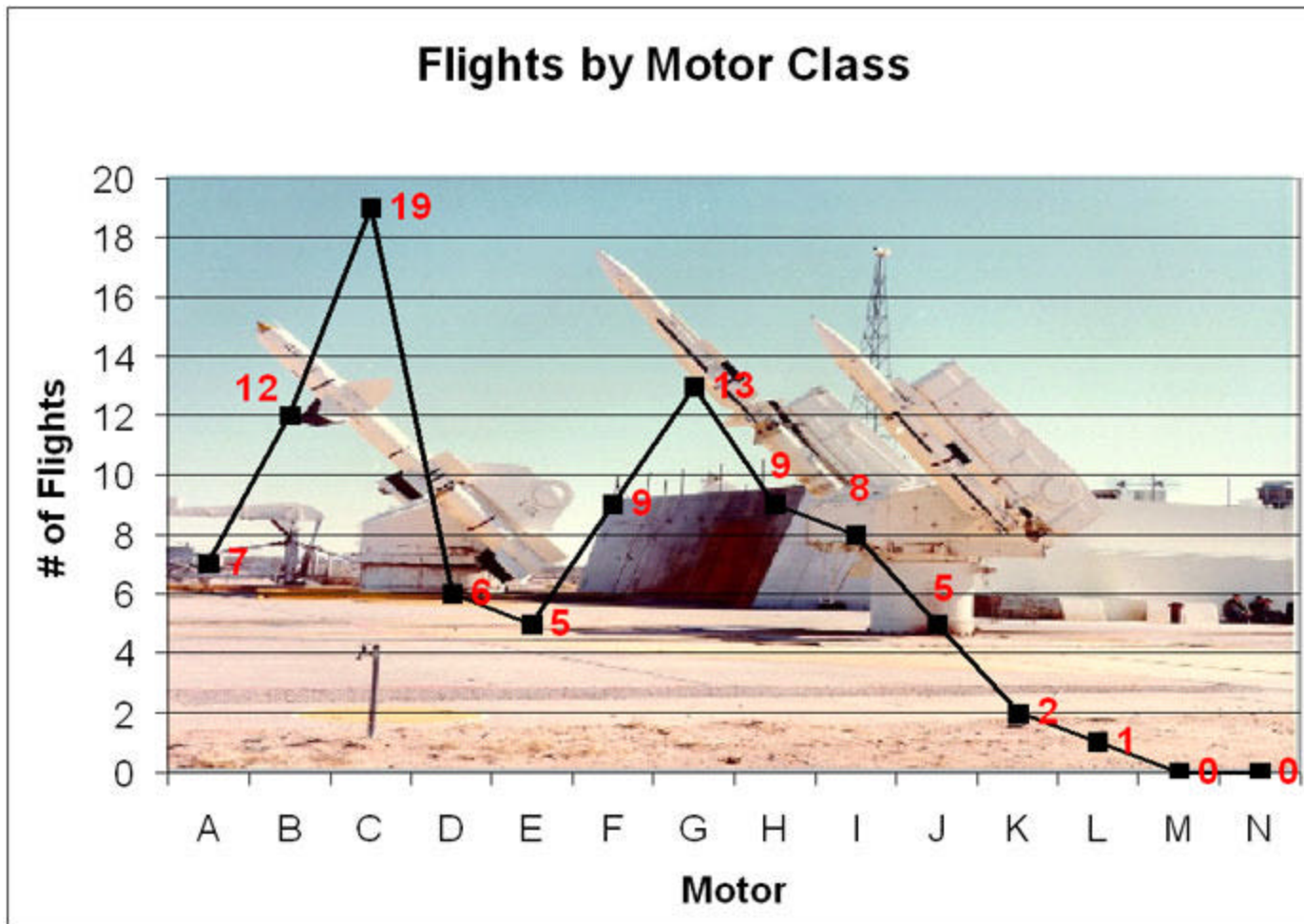
of Flights

| # | First Name | Last Name | # of Motors | Impulse In NS |
|----|------------|-------------|-------------|---------------|
| 1 | Rebecca | Lubaway | 17 | 140 |
| 2 | Jake | Mittlestadt | 7 | 243.3 |
| 3 | Mark | Palmer | 6 | 8166 |
| 4 | Rich | Mastro | 6 | 886 |
| 5 | John | Roebuck | 6 | 174.1 |
| 6 | Jay | Calvert | 6 | 119.4 |
| 7 | Jim | Summers | 5 | 1833 |
| 8 | Art | Upton | 5 | 654 |
| 9 | Julie | Silas | 4 | 87 |
| 10 | Jeff | Gaines | 3 | 1423 |

N/Seconds Expended

| # | First Name | Last Name | # of Motors | Impulse In NS |
|----|------------|-----------|-------------|---------------|
| 1 | Mark | Palmer | 6 | 8166 |
| 2 | Mike | Wolf | 2 | 2302 |
| 3 | Jim | Summers | 5 | 1833 |
| 4 | Jeff | Gaines | 3 | 1423 |
| 5 | Clayton | Gawne | 1 | 1051 |
| 6 | Fred | Ziegler | 3 | 1043 |
| 7 | Rich | Mastro | 6 | 886 |
| 8 | Art | Upton | 5 | 654 |
| 9 | Chris | Bayus | 2 | 434 |
| 10 | Mike | Schneider | 1 | 384 |

JMRC Club Launch Statistics - Summary Info
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JMRC Club Launch Statistics - Summary Info
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Kits Launched by Manufacturer

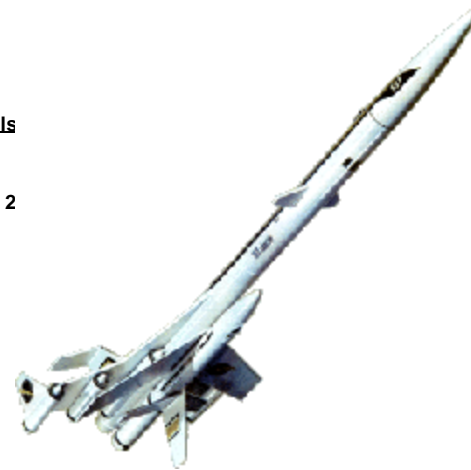
| | |
|---------------------|------------------|
| Aerotech | 1 |
| Art Applewaite | 0 |
| ASP | 0 |
| Blackhawk R&D | 0 |
| BSD | 4 |
| Cosmodrome | 0 |
| Custom | 0 |
| Edmonds | 2 |
| Estes | 31 |
| Flis Kits | 0 |
| LOC | 9 |
| Marv Rocketry | 0 |
| Missle Works | 0 |
| NCR | 1 |
| PML | 4 |
| Public Enemy | 0 |
| Quest | 2 |
| R&D | 0 |
| Rocketman | 1 |
| RS Rocketry | 2 |
| Saturn Press | 0 |
| Scratch | 29 |
| Scott Special | 1 |
| Shrox | 0 |
| TLP | 0 |
| Unknown | 4 |
| VB | 0 |
| Yank | 5 |
| Undefined | 0 |
| <u>TOTAL</u> | <u>96</u> |

Equivalent Motor Level of Total Impuls

Total Impulse Flown: 2

Motor Equivalent:

% of Equivalent Motor Class:



Day of the Hybrids...10 Hybrid Flights.....H-L Impulse Levels....11.8lbs of NOS
11804 NS of Hybrid Impulse...58.66 % of the total Impulse for the day

24 High Power Flights, 27 Mid Power Flights and 44 Model Rocket Flights

Most Impressive Flight of the Day?

Mike Wolfs BSD Thor on a K240...outstanding