

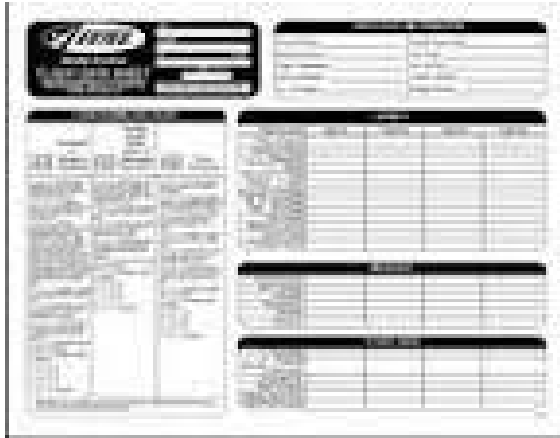
Fleet Record Keeping and Flight Performance Data Acquisition

A Means to Analyzing and
Comparing Your Rocketry

Why Collect and Retain Data on Your Rocket and the Flights?

- Keep Track of Person Rocketry Progress
- Set Personal Rocketry Goals
- Prepare for Competitions and Contests
- Compare your Results with other Rocket Fliers
- Aid in Flight Preparation Decisions
- Aid in the Submitting Flight Cards at Launches
- Contribute to the Collective Knowledge of Rocketry (Crowd Sourcing Rocket Data)

History of Collecting Rocket Data



Rocket Name
Owner's Name

FREE SAMPLE APOGEE FLIGHT RECORD
© Apogee Components, Inc., 1995

This is a small portion of the Apogee Flight Record, which can record more than 173 flight parameters that may occur during a model's flight. For a complete listing the Apogee Flight Record along with other rocketry items, send \$2 to: Apogee Components, 430 Elixir Dr., Colorado Springs, CO 80907 USA. Or visit our web site at: www.apogeerockets.com

This Launch Information:

Launch Angle
Unit of Launch
Launch Time
Fire Size
Number of Stages

Launch Conditions:

Temperature
Wind Velocity
Wind Direction
Max. Core Speed
Cloud Base

Mode Information:

1st Stage
2nd Stage
3rd Stage

Recovery Information:

Drogue Parachute
 Alt. Apogee
 Motor Comprising
 Ejection Failure
 Did Not Deploy
 Parachute Empty
 Chute(s) Empty
 Inflated/Inflator Released
 Caught/Framed
 Catcher
 Parachute Spooled
 Empty Fall

End Flight Information:

Free Fall
 Eject
 Motor Failure

Timing Data:

Flight Duration
Motorizer Release
Chute Deploy

Other Events:

Unstable
 Ejected/Chute Failed Phase
 Ejected/Chute Cool Phase
 Unstable at Apogee
 Straight up Flight
 Motor Malfunction During Ascent
 Did Not Ret. Separate
 Hot Stages
 Transverse Oscillation Failure
 Stage 2 Ignition Failure

Stages:

Stage 1: Stage Motor
 Stage Motor
 Stage Motor
 Stage Motor

End:

No Fall
 Soft Landing
 Hard Landing
 Did Not Ret. Separate
 Parachute Failure
 Did Not Ret. Separate
 Parachute Failure
 Stage 2 Ignition Failure

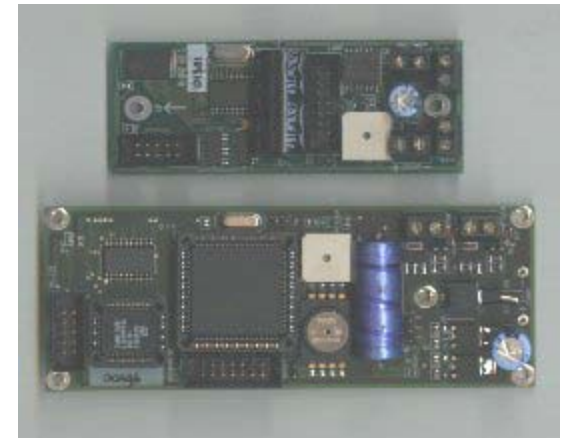
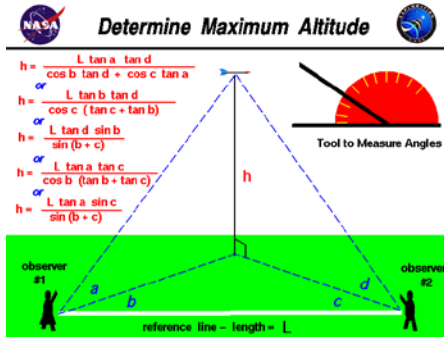
User: Scott Sellers

Date: Dec. 7, 2013

My Rocket Fleet - Summary Report

Rocket No.	1	2	3	4	5	6	7	8	9	10	11
Rocket Name	Snitch	Orbital Transport	Trident	WAC Corporal w/Tiny Tim Booster	Frick N Frack	Mega Vortico	Hi C	Love 15	Mercury Redstone	Rose-A-Roc	Quad Runner
Kit Manufacturer	Estes	Estes	Estes	Aerospace Specialty Products	Flis	Estes	-	-	Neubauer	Flis	Quest
Kit Name	Snitch	Orbital Transport	Trident	WAC Corporal w/Tiny Tim Booster	Frick N Frack	Mega Vortico			Mercury Redstone	Rose-A-Roc	Quad Runner
Recommended Engines	B6-0 C6-0	B6-2 C6-3	B6-2 C6-4	B6-0 C6-0 A8-3 B6-4 C6-5	B6-0 C6-0	D12-0	A8-5 B6-4 G77-4 C6-5	G76-4 G77-4 G78-4	G76-4 G77-4 G78-4	1/2A6-2 A8-3 B4-2 B6-2 B6-4 C6-5	A8-3 B6-4 C6-3
Color Scheme	Chartreuse	White	White	Yellow/black	Yellow/orange	yellow/blue	Fluorescent orange	Red/black fins - clear body	White/black	Unpainted	Red/white
Dry weight (w/o motor)	4.1 oz.	8.2 oz	8.2 oz	8.2 oz	4.1 oz.	4.1 oz	2.1 oz.	28 oz.	38 oz	2.7 oz.	13.7 oz
Length	6 in.	23 in.	23 in.	23 in.	8 in.	6 in.	8 in.	32 in.	48 in.	12 in.	18 in.
Body Tube Diameter	0.736 in.	0.976 in.	0.976 in.		0.736 in.	0.976 in.	0.736 in.	3.5 in	4 in.	0.736 in.	2.1 in.
Primary Recovery System	Tumble	18" chute	18" chute	12" chute	tumble	tumble	1"x12" streamer	36" chute	48" chute 36" chute	helicopter	18" chute
Secondary Recovery System		glider		tumble	tumble						

Means of Flight Data Acquisition



Recording Data

Analysing Your Data

Accessing Your Data

Utilizing Your Data

- Flight Preparation Decisions
- Flight Reporting at Launches

Sharing Your Data

- Comparing with Others
- Real Time Launch Reports

Contributing Your Data

- Club Statics
- Launch Reports
- International Database