

Flight Information: mc2 v2.5

Flight ID: FLT:6

Rocket Name: DragonFire-II

Launch Site: Dairy-Aire

Motor(s) Used: J315R

Notes: Primary flight computer (Li-Po) data.

Flight Date: May 18, 2008

Length: 80"

Max. Diameter: 4"

Weight at Liftoff: 11 lbs

Flight Summary

Maximum Airspeed 518.32 f/sec Maximum Airspeed 0.47 Mach

Maximum Acceleration 341.28 f/sec/sec Maximum Acceleration 10.61 G

Altitude of Maximum Airspeed 559.48 f Altitude of Maximum Acceleration 34.03 f

Maximum Barometric Altitude: 2620.32 f Maximum Integrated Altitude: 3607.38 f

Time to Apogee: 14.82 sec Flight Time: 121.58 sec

Time to Booster Burnout: 1.91 sec Altitude at Booster Burnout: 575.18 f

Descent Rate:-24.08 f/sec

Recorded Maximum Altitude:2620 f

Recorded Maximum Acceleration:446.69 f/sec/sec Recorded Maximum Airspeed:537.14 f/sec

Flight Configuration

Pyro 1 Setting: Burnout 1 + 0.0 sec.

Pyro 2 Setting: Apogee + 0.0 sec.

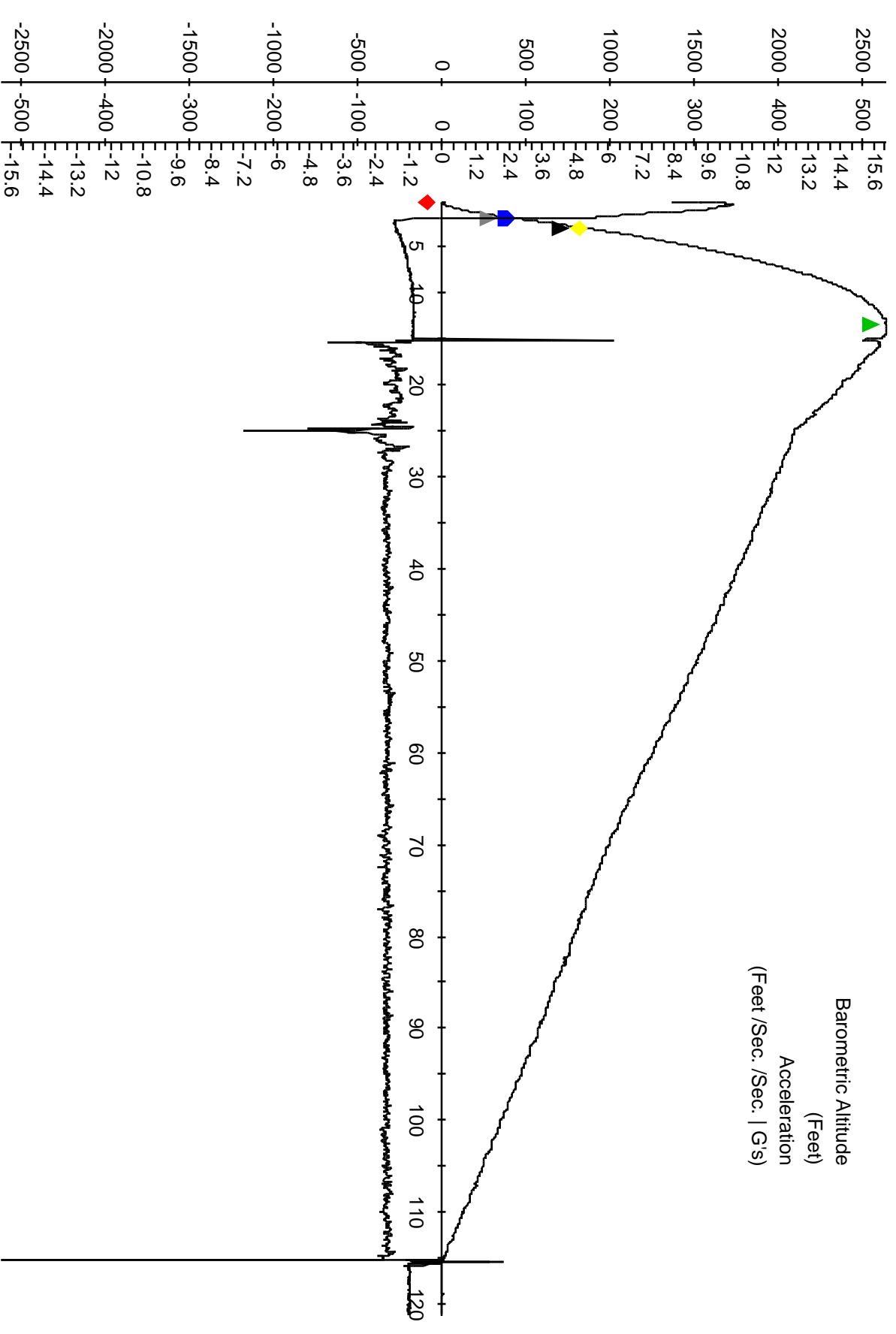
Pyro 3 Setting: Descending below 8000 Feet + 0.0 sec.

Pyro 4 On: descend_below 15000 + 0.0 sec. Pyro 4 Off: descend_below 15000 + 10.944 sec.

Pyro 1 Continuity: Bad Pyro 2 Continuity: Good

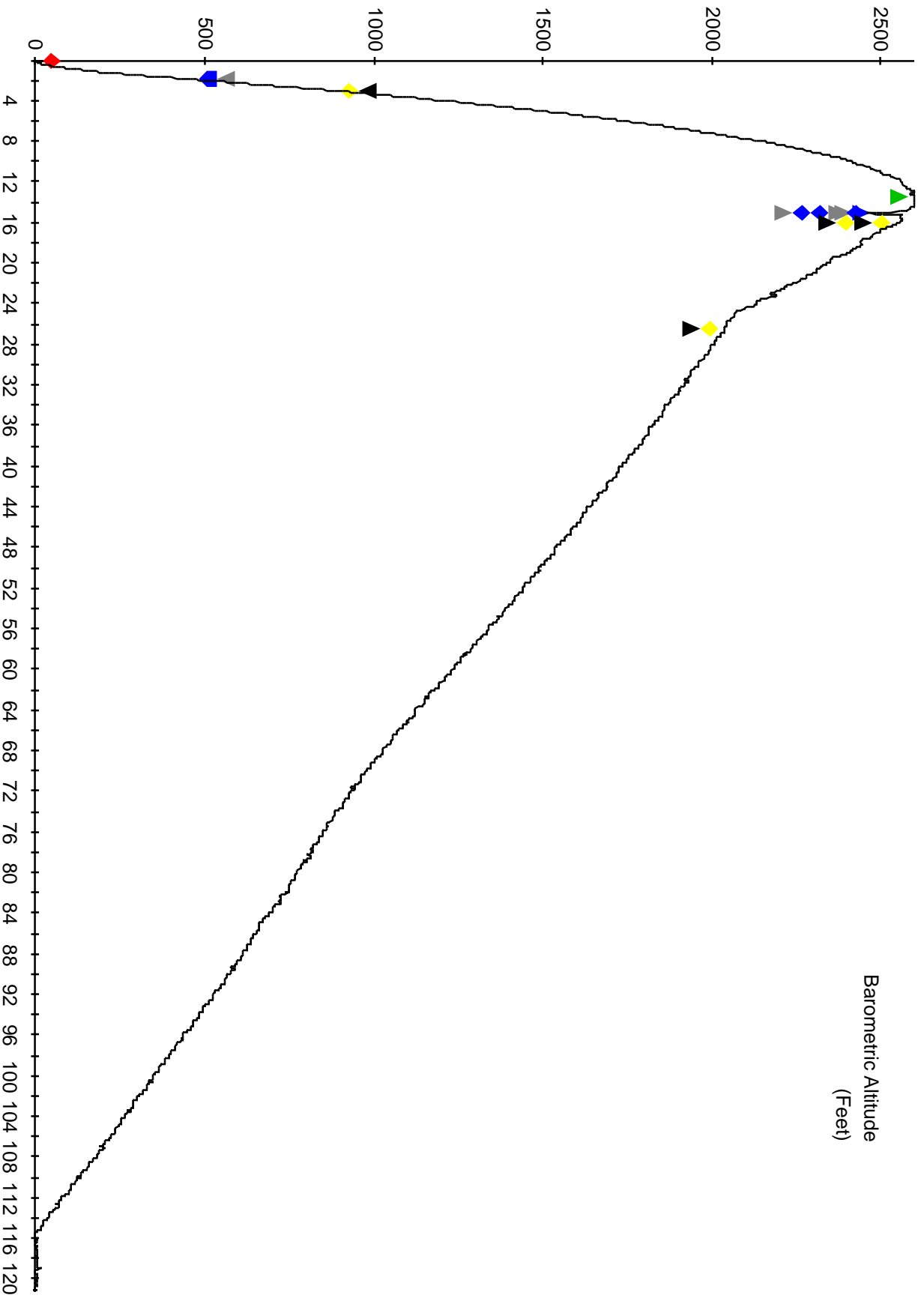
Pyro 3 Continuity: Bad Pyro 4 Continuity: Good

Pyro Battery Value: 7.7 volts CPU Battery Value: 7.8 volts



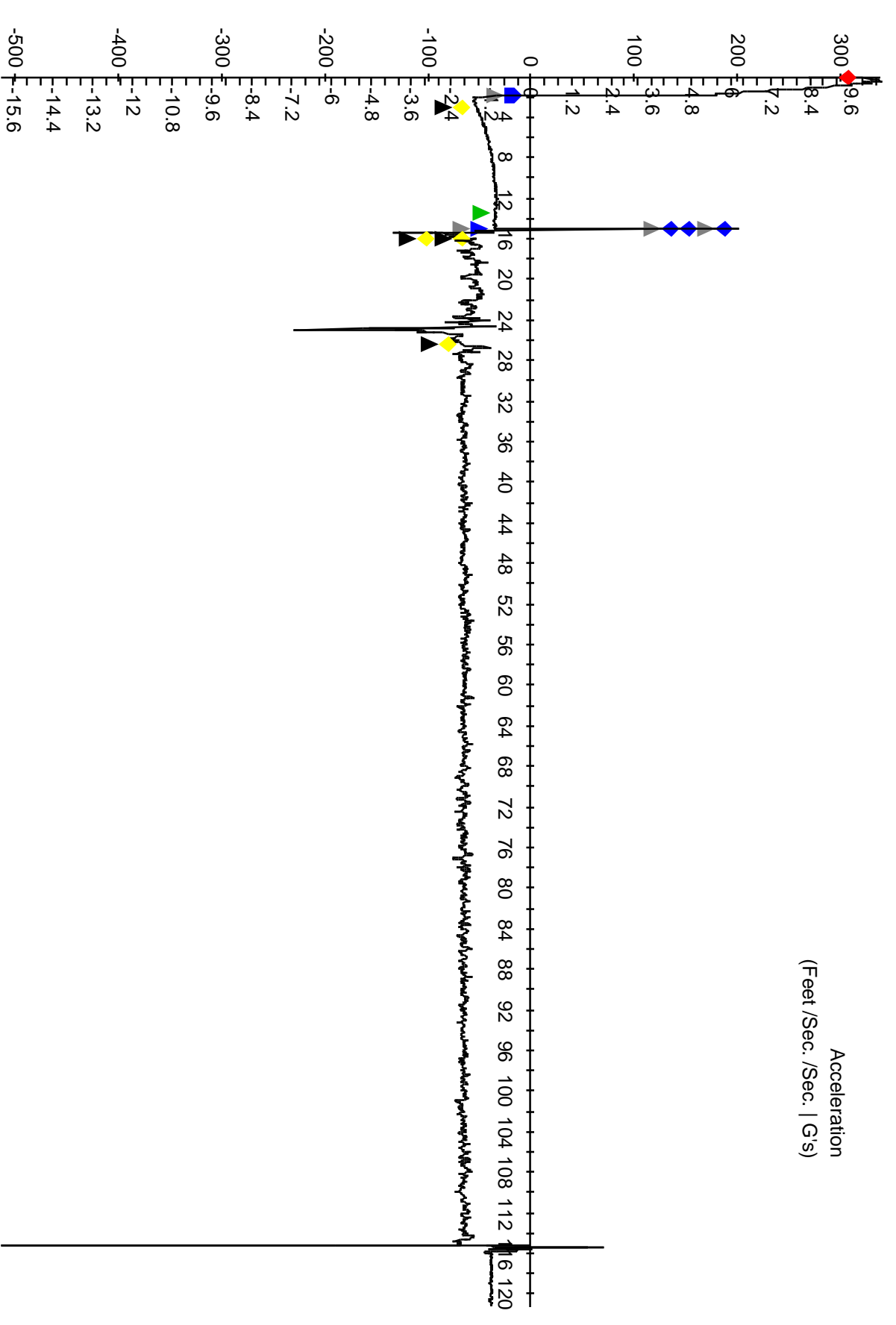
- Movement
- ◆ Launch
- ◆ Stage
- ◆ AltUp
- Landed
- Alarm
- Cont
- ◆ BWire
- Not_Launched
- ◆ Burnout
- ▲ Apogee
- ◆ AltDn
- ◆ Time
- ▲ ADC
- ▲ BaroApogee
- OVERRUN
- ▲ PyroOn
- ▲ PyroOff

Barometric Altitude
(Feet)



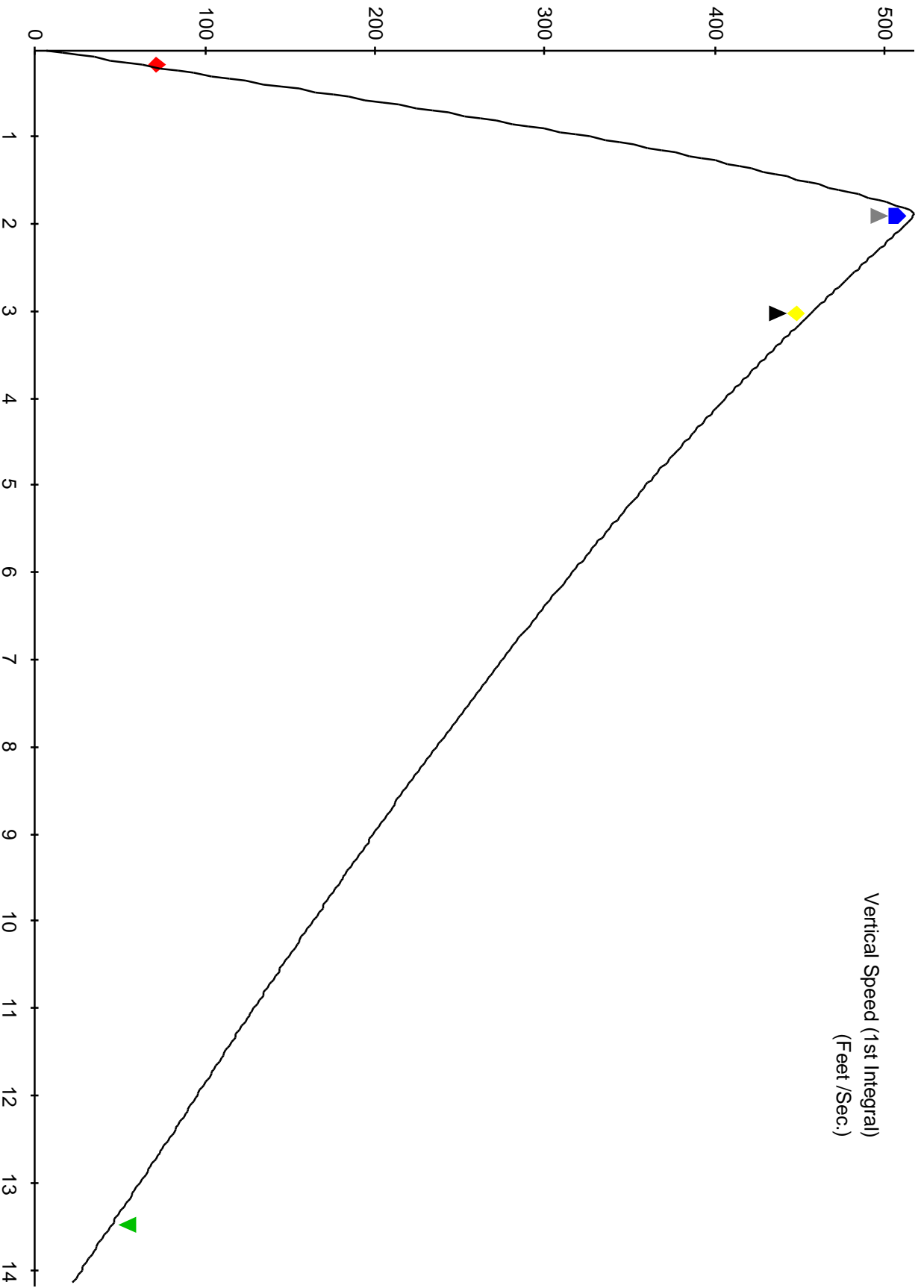
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- ◆ BWire
- ◆ PyroOn
- ◆ PyroOff
- Not_Launched

Acceleration
(Feet/Sec. /Sec. | G's)



- Movement
- Not_Launched
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- ◆ Stage
- ◆ Apogee
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- ◆ AltDn
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- PyroOff
- OVERRUN

Vertical Speed (1st Integral)
(Feet/Sec.)



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- ◆ AltDn
- ◆ Landed
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- ◆ Cont
- ◆ BWire
- ◆ Not_Launched
- ◆ Burnout
- ◆ Apogee
- ◆ AltDn
- ◆ Time
- ◆ ADC
- ◆ BaroApogee
- ◆ PyroOn
- ◆ PyroOff

