

Flight Information: mc2 v2.3

Flight Date: May 17, 2008

Length: 80"

Max. Diameter: 4"

Weight at Liftoff: 11 lbs

Flight ID: FLT:5

Rocket Name: DragonFire-II

Launch Site: Dairy-Aire

Motor(s) Used: J315R

Notes: Data from backup flight (alkaline) computer.

Flight Summary

Maximum Airspeed 511.93 f/sec Maximum Airspeed 0.46 Mach

Maximum Acceleration 333.44 f/sec/sec Maximum Acceleration 10.36 G

Altitude of Maximum Airspeed 558.93 f Altitude of Maximum Acceleration 27.39 f

Maximum Barometric Altitude: 2542 f Maximum Integrated Altitude: 3541.33 f

Time to Apogee: 14.85 sec Flight Time: 121.52 sec

Time to Booster Burnout: 1.97 sec Altitude at Booster Burnout 574.43 f

Descent Rate:-23.35 f/sec

Recorded Maximum Altitude:3113 f

Recorded Maximum Acceleration:420.65 f/sec/sec Recorded Maximum Airspeed:521.45 f/sec

Flight Configuration

Pyro 1 Setting: Burnout 1 + 0.0 sec.

Pyro 2 Setting: Apogee + 1.984 sec.

Pyro 3 Setting: Apogee + 1.984 sec.

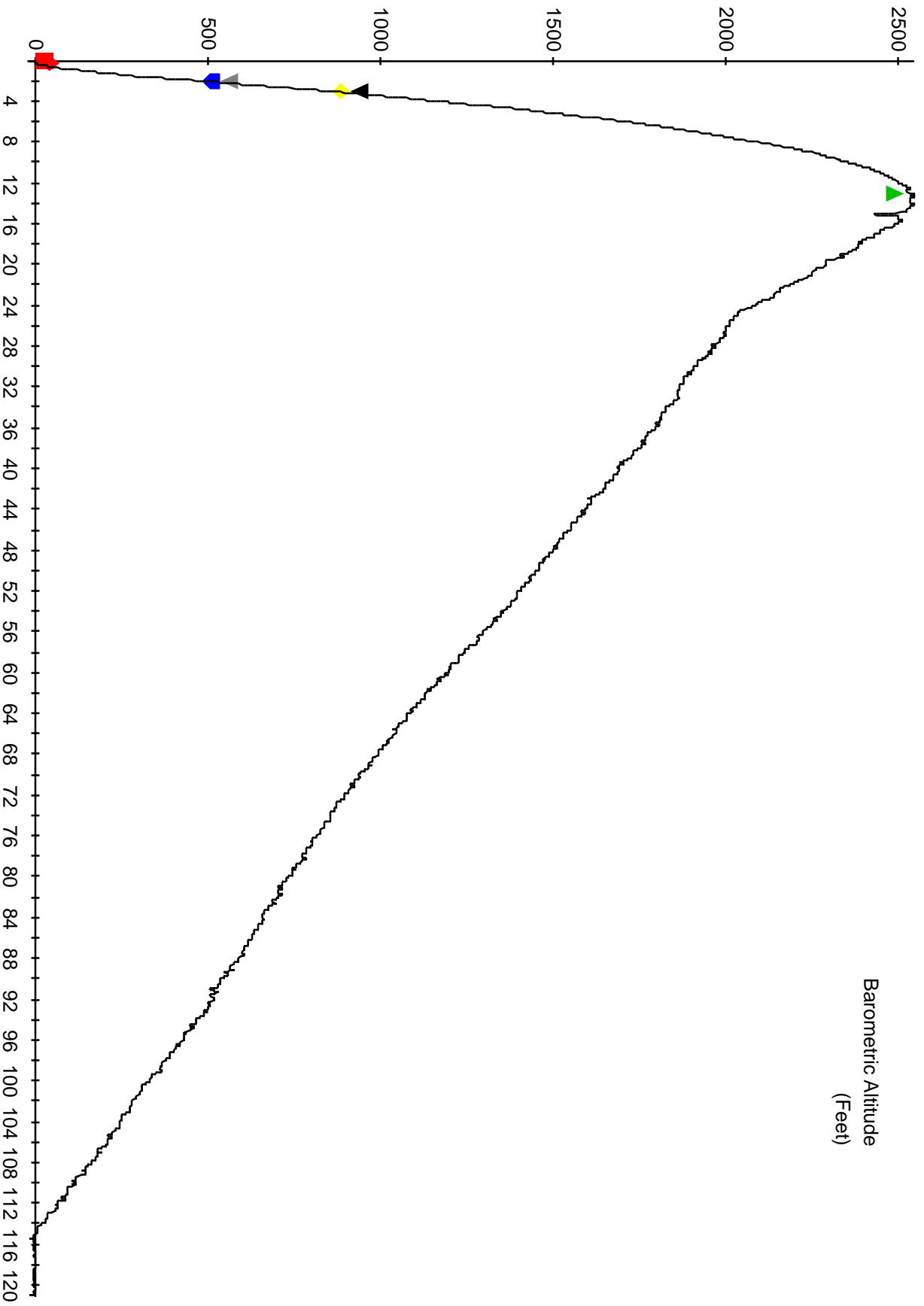
Pyro 4 On: descend\_below 10000 + 0.0 sec. Pyro 4 Off: descend\_below 10000 + 12.992 sec.

Pyro 1 Continuity: Bad Pyro 2 Continuity: Good

Pyro 3 Continuity: Bad Pyro 4 Continuity: Good

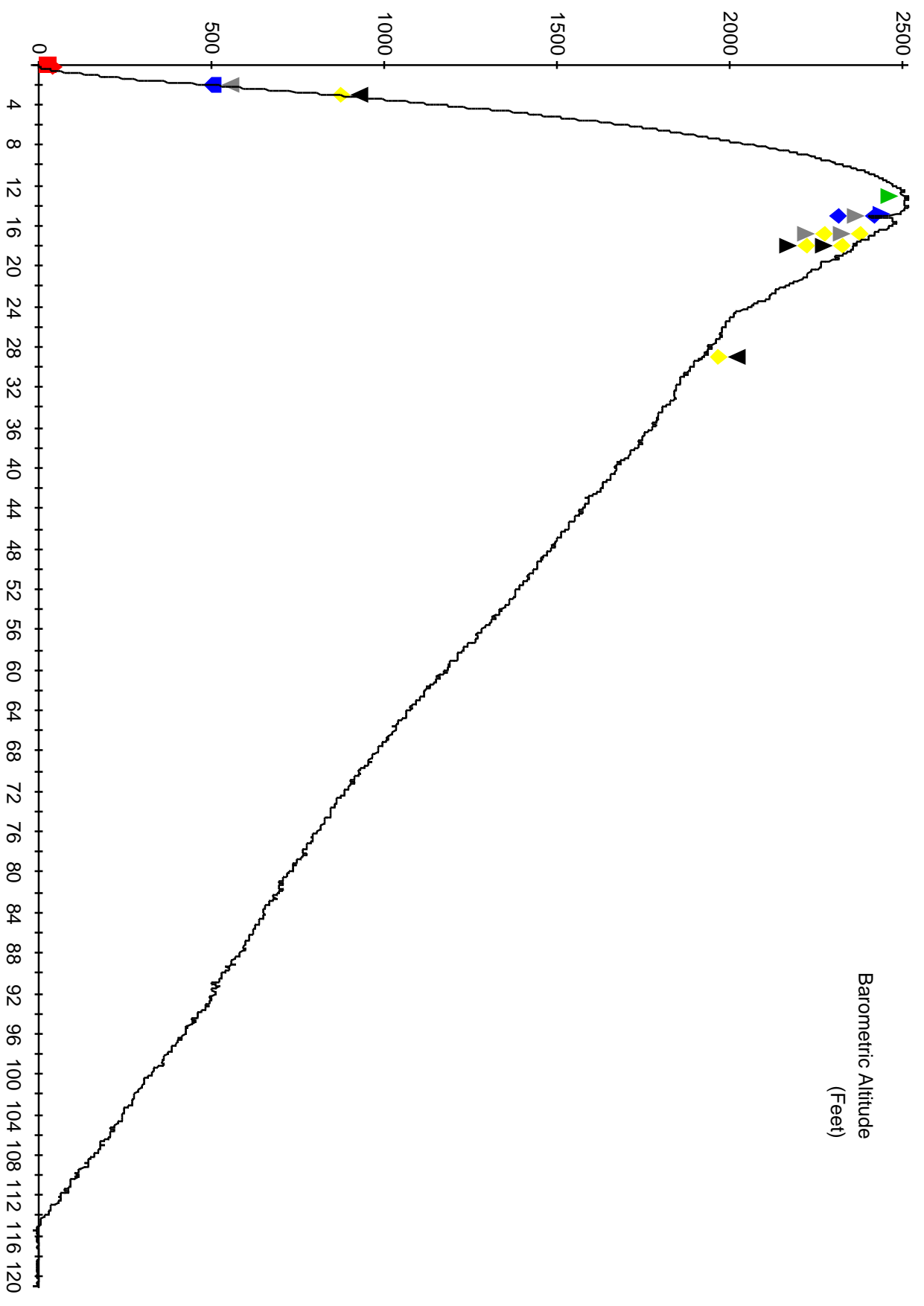
Pyro Battery Value: 9.1 volts CPU Battery Value: 8.8 volts

Barometric Altitude  
(Feet)



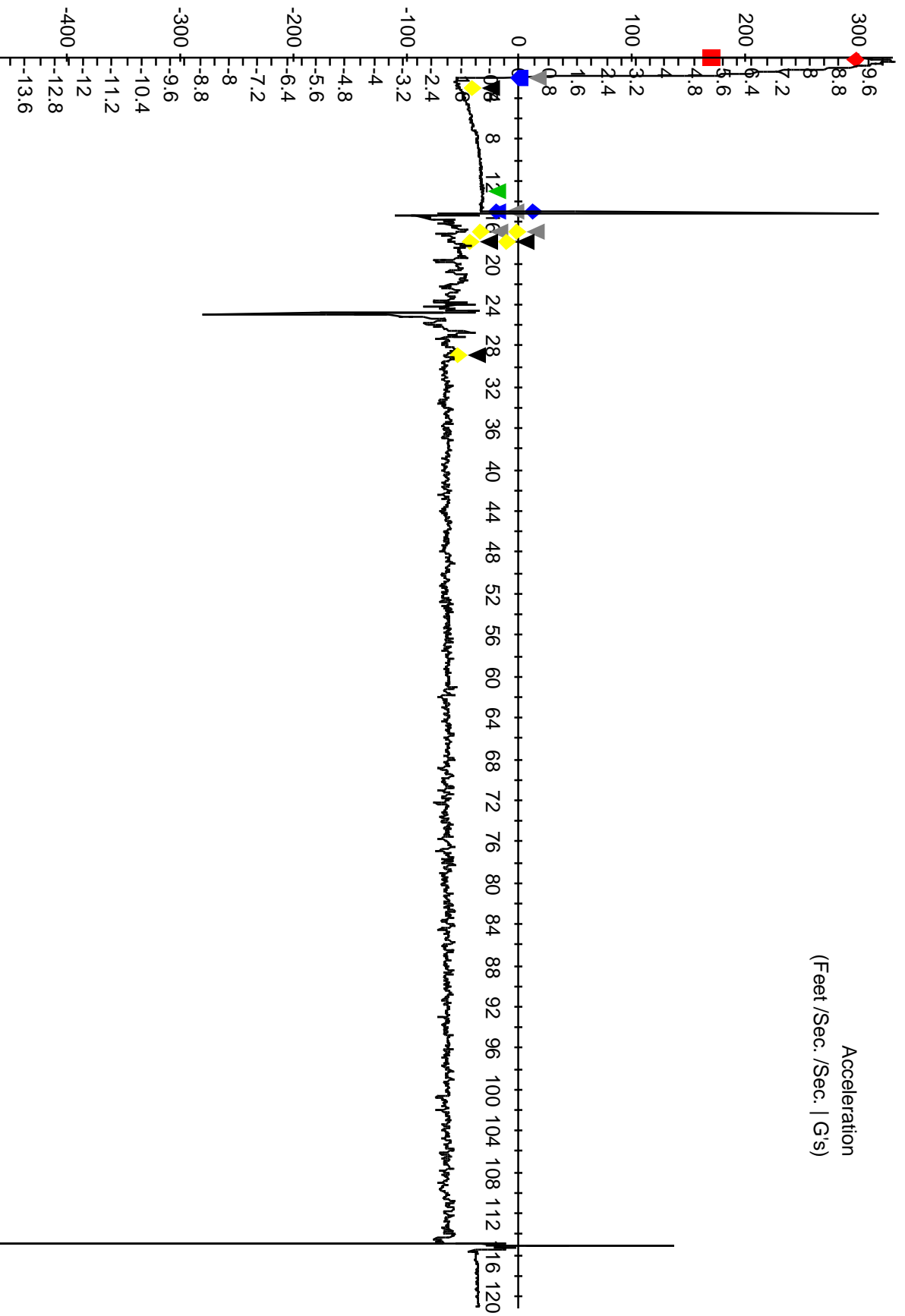
- Movement
- ◆ Launch
- ◆ Stage
- ◆ Burnout
- ◆ Apogee
- ◆ AltUp
- ◆ AltDn
- ◆ Landed
- ◆ Time
- ◆ Alarm
- ◆ ADC
- ◆ BaroApogee
- ◆ BWire
- ◆ OVERRUN
- ▲ PyroOn
- ▲ PyroOff

Barometric Altitude  
(Feet)



- Movement
- ◆ Launch
- ◆ Stage
- ◆ AltUp
- ◆ Landed
- Alarm
- Cont
- ◆ BWire
- Not\_Launched
- ◆ Burnout
- ◆ Apogee
- ◆ AltDn
- ◆ Time
- ◆ ADC
- ▲ BaroApogee
- PyroOn
- ▲ PyroOff

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



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

