

Flight ID: FLT:4

Rocket Name: DragonFire

Launch Site: BlackRock XPR 2007

Motor(s) Used: K270W-P

Notes:

### Flight Information

Flight Date: Sep 16, 2007

### Flight Summary

Maximum Airspeed 933.33 f/sec    Maximum Airspeed 0.85 Mach  
Maximum Acceleration 226.55 f/sec/sec    Maximum Acceleration 7.04 G  
Altitude of Maximum Airspeed 3482.05 f    Altitude of Maximum Acceleration 407.86 f  
Maximum Barometric Altitude: 8679.91 f    Maximum Integrated Altitude: 12045.97 f  
Time to Apogee: 26.7 sec    Flight Time: 299.21 sec  
Time to Booster Burnout: 6.03 sec    Altitude at Booster Burnout 3566.9 f

Descent Rate:-32.2 f/sec

Recorded Maximum Altitude:9080 f

Recorded Maximum Acceleration:417.39 f/sec/sec    Recorded Maximum Airspeed:944.93 f/sec  
Flight Configuration

Pyro 1 Setting: Burnout 1 + 0.0 sec.    Pyro 2 Setting: Apogee + 0.0 sec.    Pyro 3 Setting: Apogee + 1.984 sec.

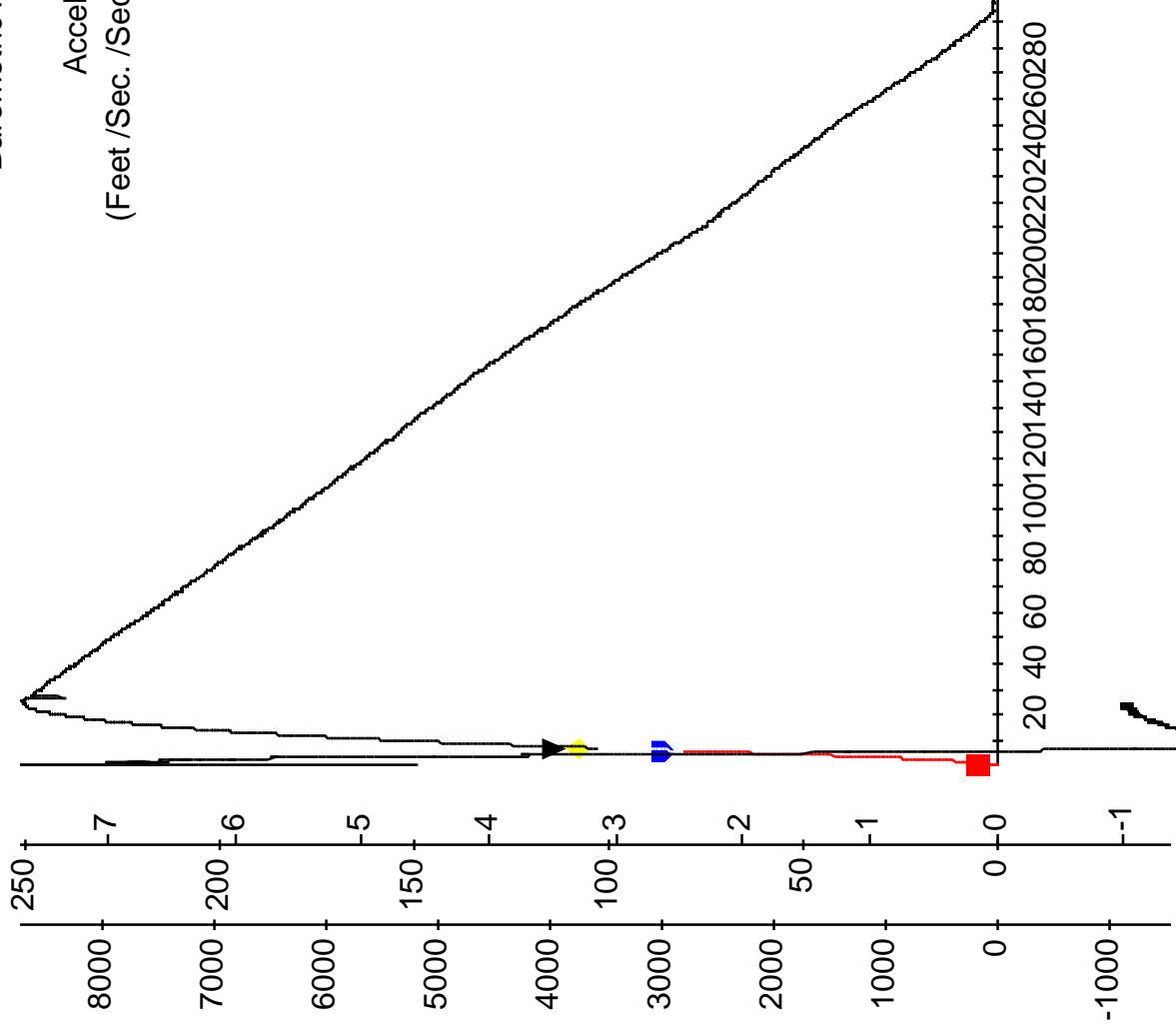
Pyro 4 On: none + 0.0 sec.    Pyro 4 Off: none + 0.0 sec.

Pyro 1 Continuity: Bad    Pyro 2 Continuity: Good

Pyro 3 Continuity: Good    Pyro 4 Continuity: Bad

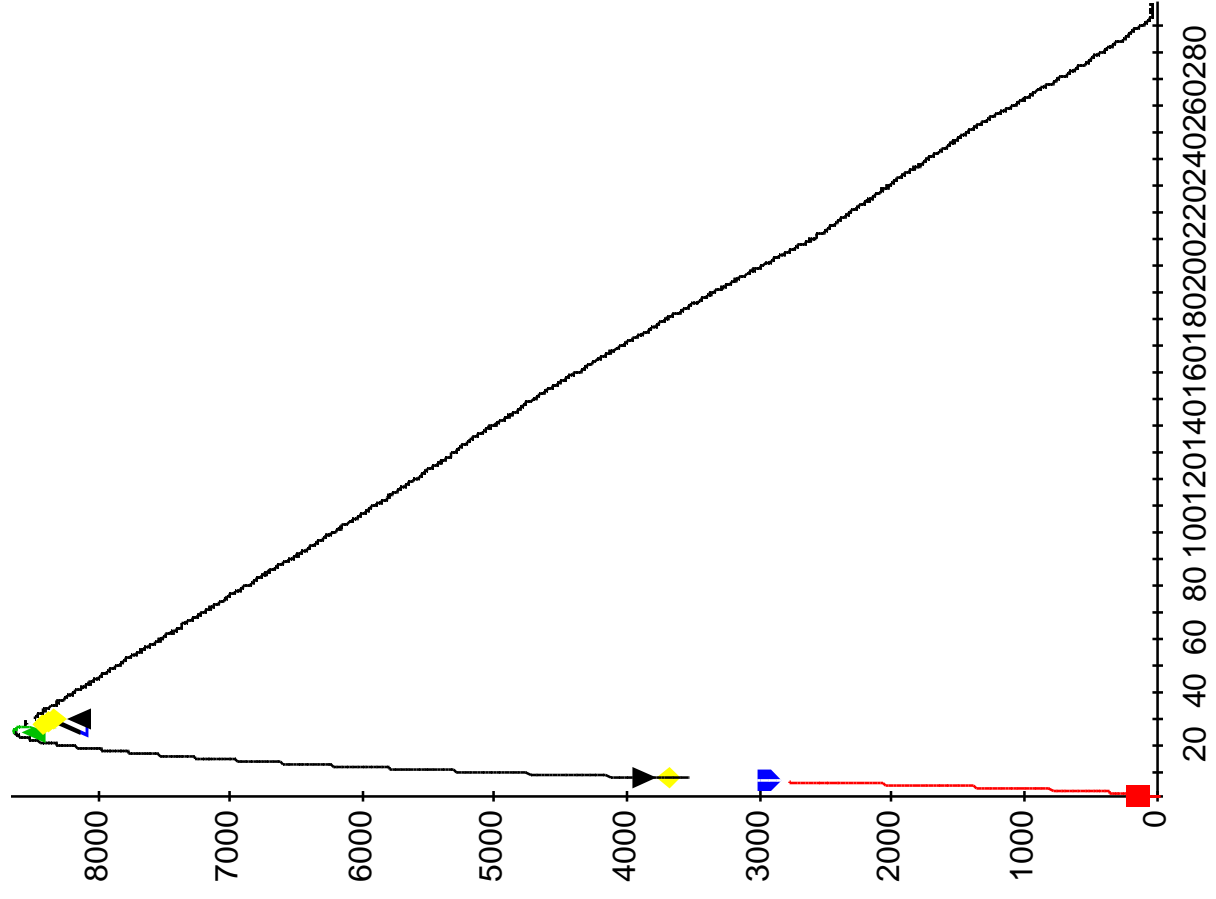
Pyro Battery Value: 8.9 volts    CPU Battery Value: 8.3 volts

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



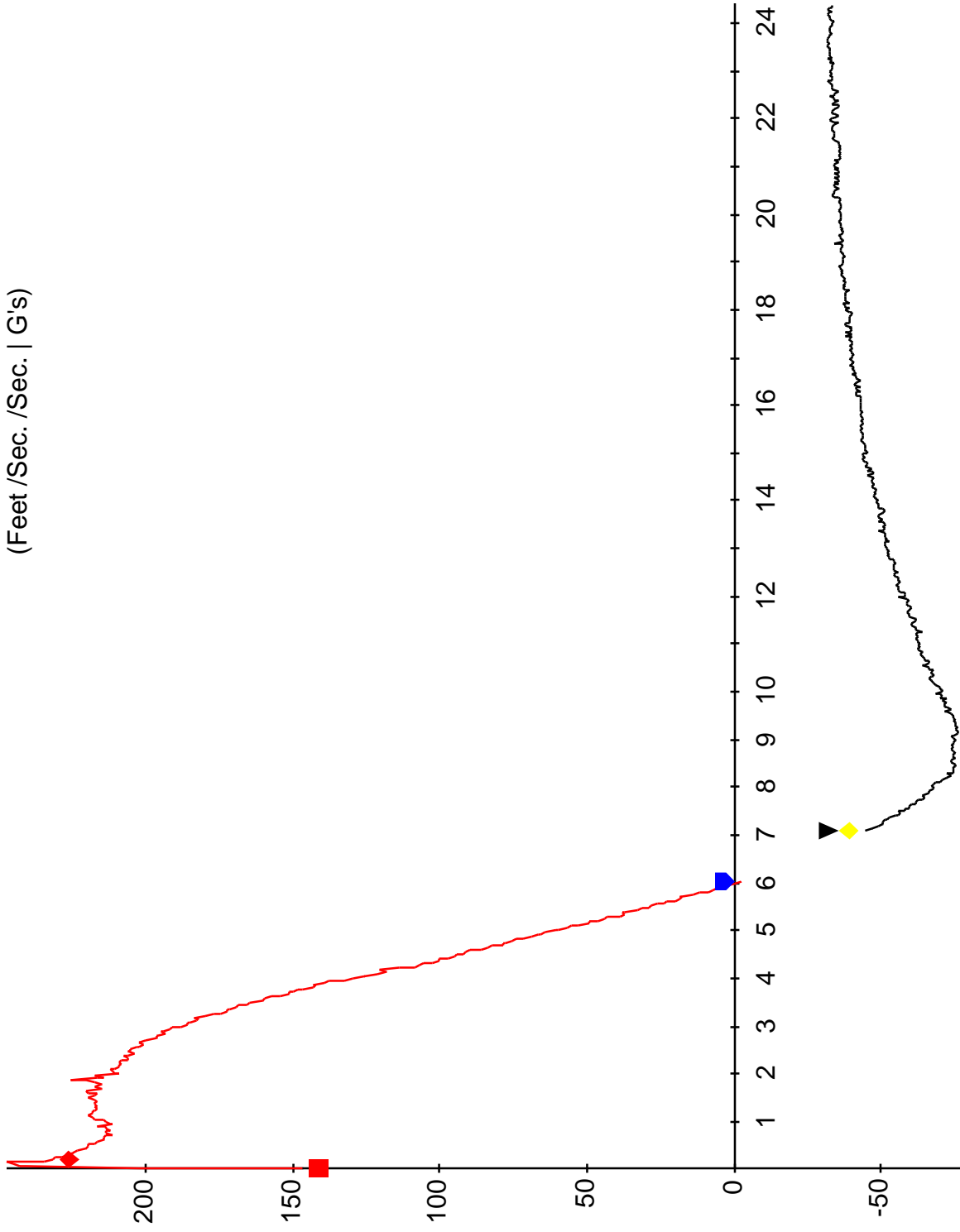
- Movement
- Launch
- Stage
- Apogee
- Burnout
- Not\_Launched
- AltUp
- Landed
- Alarm
- Cont
- AltDn
- Time
- ADC
- BaroApogee
- OVERRUN
- Pyro
- BWire

Barometric Altitude  
(Feet)



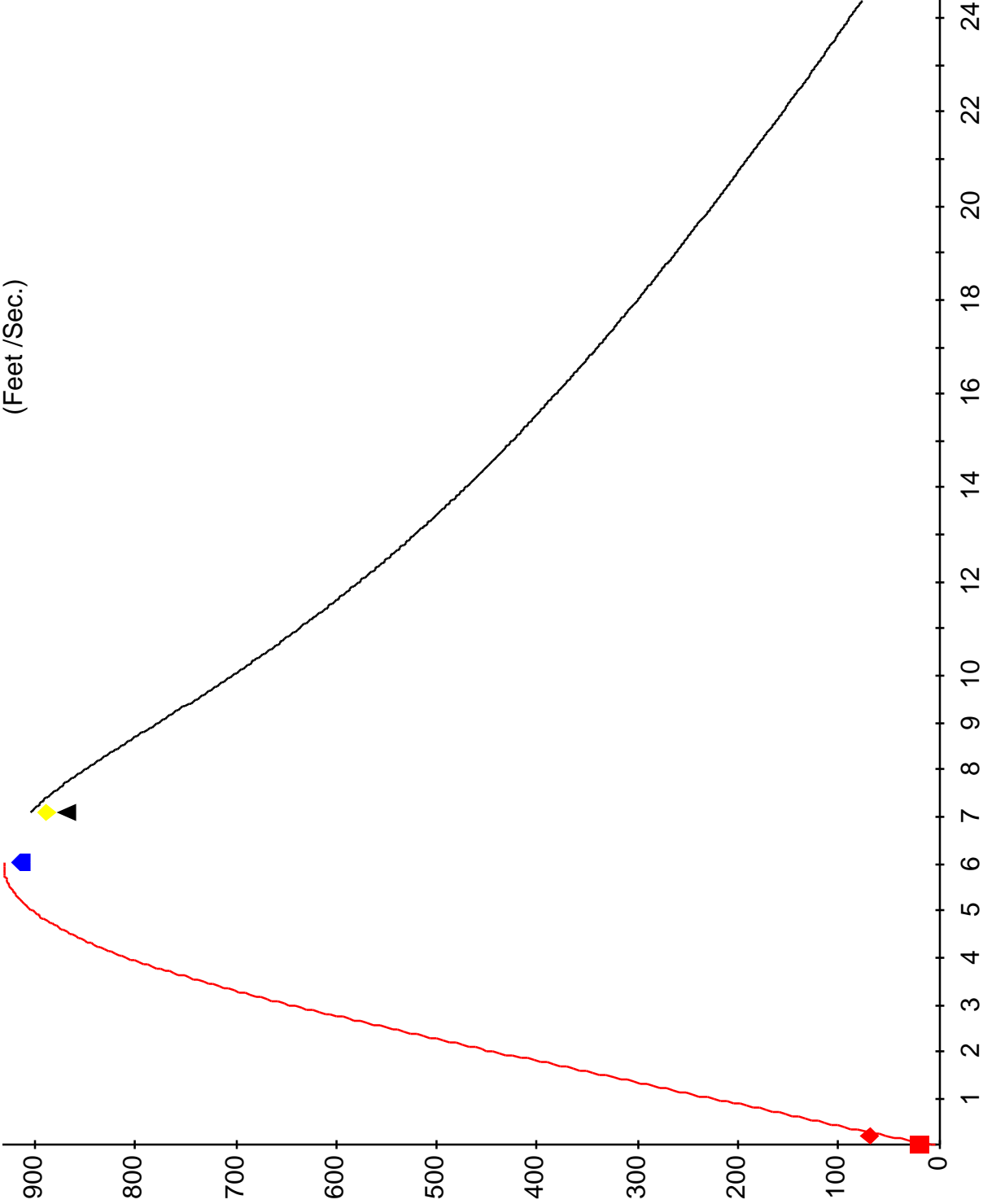
- Movement
- ◆ Launch
- ▲ Stage
- ◆ Apogee
- ▲ Burnout
- ▲ Not\_Launched
- ◆ AltUp
- ◆ AltDn
- ◆ Time
- ▲ ADC
- ▲ Alarm
- ▲ Landed
- Cont
- ▲ BaroApogee
- OVERERRUN
- ▲ PyroOff
- ◆ BWire

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



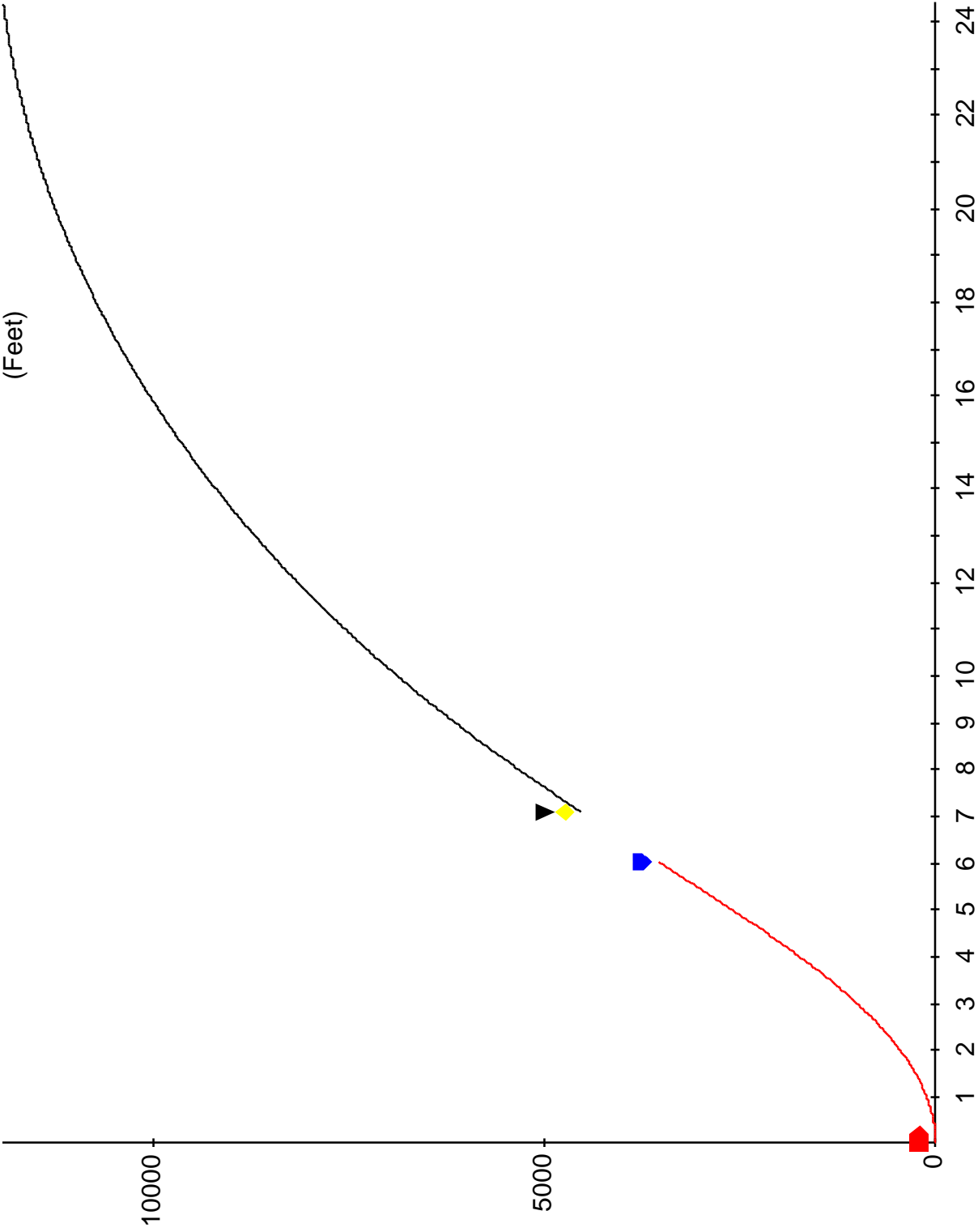
- Movement
- ◆ Launch
- ▲ Stage
- ◆ AltUp
- ▲ Landed
- Alarm
- Cont
- ◆ BWire
- Not\_Launched
- ▲ Burnout
- ◆ Apogee
- ◆ AltDn
- ◆ Time
- ▲ ADC
- ▲ BaroApogee
- OVERRUN
- ▲ PyroOff

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



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

Altitude (2nd Integral)  
(Feet)



- Movement
- Launch
- Stage
- Apogee
- Burnout
- Not\_Launched
- AltUp
- Landed
- Alarm
- Cont
- BWire
- ADC
- BaroApogee
- OVERRUN
- PyroOff