

Flight Information: mc2 v2.5

Flight ID: FLT:16

Rocket Name: Super-ARLISS 2-Stage XPRS 2008

Launch Site: Black Rock, NV

Motor(s) Used: N2000W->M795

Notes:

Flight Date: Sep 20, 2008

Length: 14 feet

Max. Diameter: 6 inches

Weight at Liftoff: 105 lbs

Flight Summary

Maximum Airspeed 1452.03 f/sec	Maximum Airspeed 1.37 Mach
Maximum Acceleration 256.03 f/sec/sec	Maximum Acceleration 7.96 G
Altitude of Maximum Airspeed 14984.43 f	Altitude of Maximum Acceleration 151.73 f
Maximum Barometric Altitude: 25054.42 f	Maximum Integrated Altitude: 37095.54 f
Time to Apogee: 47.55 sec	Flight Time: 660.12 sec
Time to Mach: 12.27 sec	Altitude at Mach transition:8791.14 f
Time to Booster Burnout: 5.39 sec	Altitude at Booster Burnout 2974.92 f
Time to Booster Burnout: 5.39 sec	Altitude at 2nd Stage Burnout 4020.85 f

Descent Rate:-31.59 f/sec

Recorded Maximum Altitude:25063 f

Recorded Maximum Acceleration:437.43 f/sec/sec Recorded Maximum Airspeed:1492.31 f/sec

Flight Configuration

Pyro 1 Setting: Burnout 1 + 0.96 sec.

Pyro 2 Setting: Apogee + 0.0 sec.

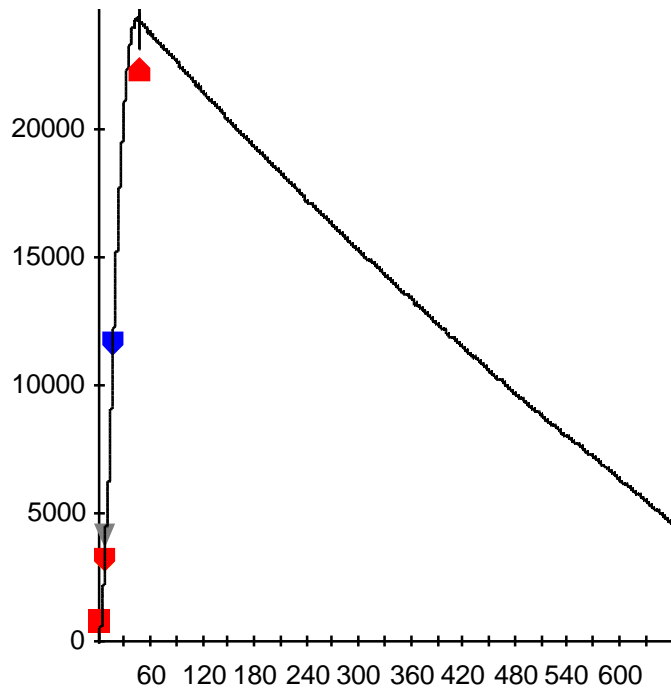
Pyro 3 Setting: Apogee + 5.952 sec.

Pyro 4 On: descend_below 1500 + 0.0 sec. Pyro 4 Off: descend_below 1500 + 11.968 sec.

Pyro 1 Continuity: Bad Pyro 2 Continuity: Bad

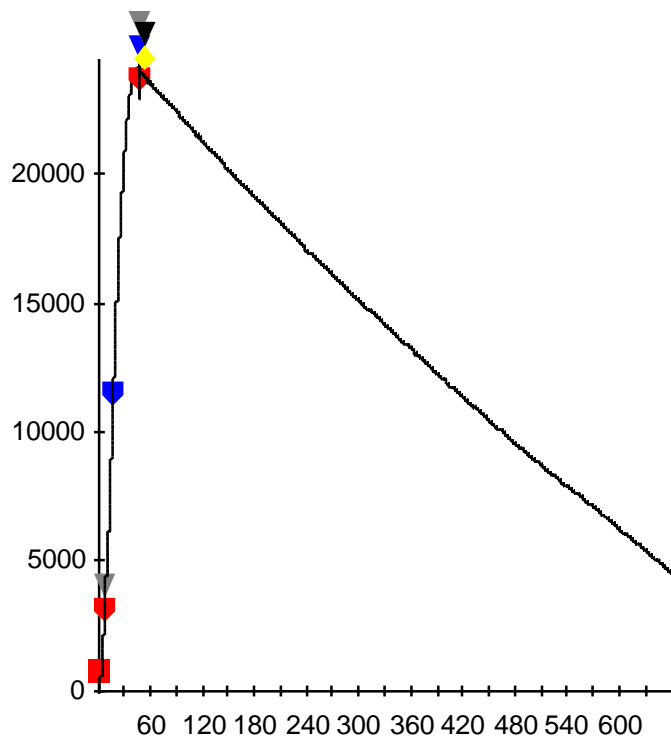
Pyro 3 Continuity: Bad Pyro 4 Continuity: Good

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



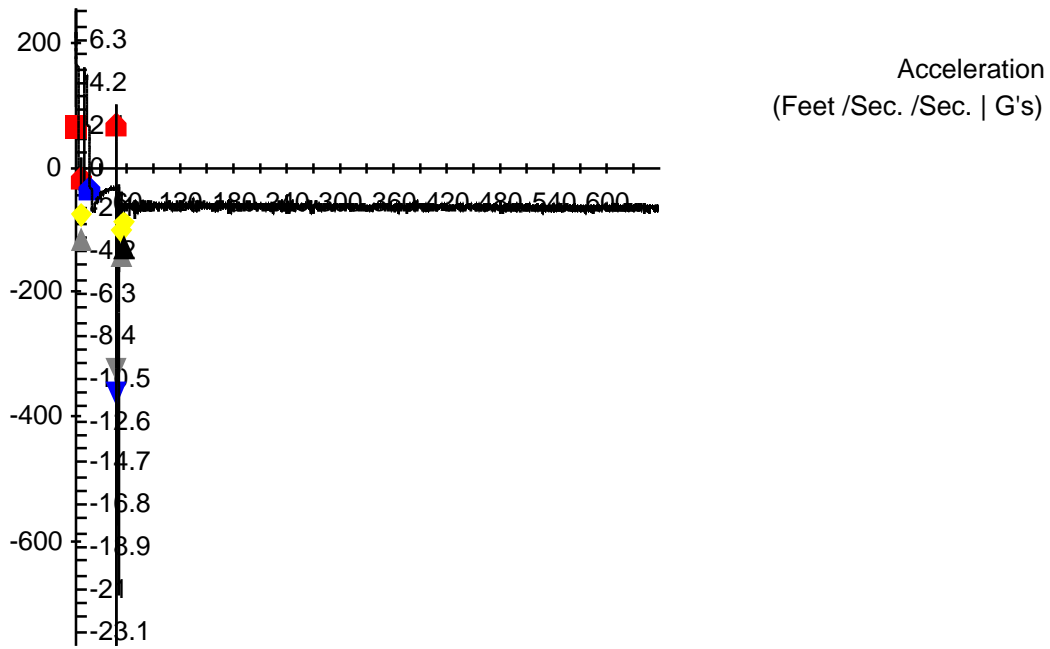
Barometric Altitude
(Feet)

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

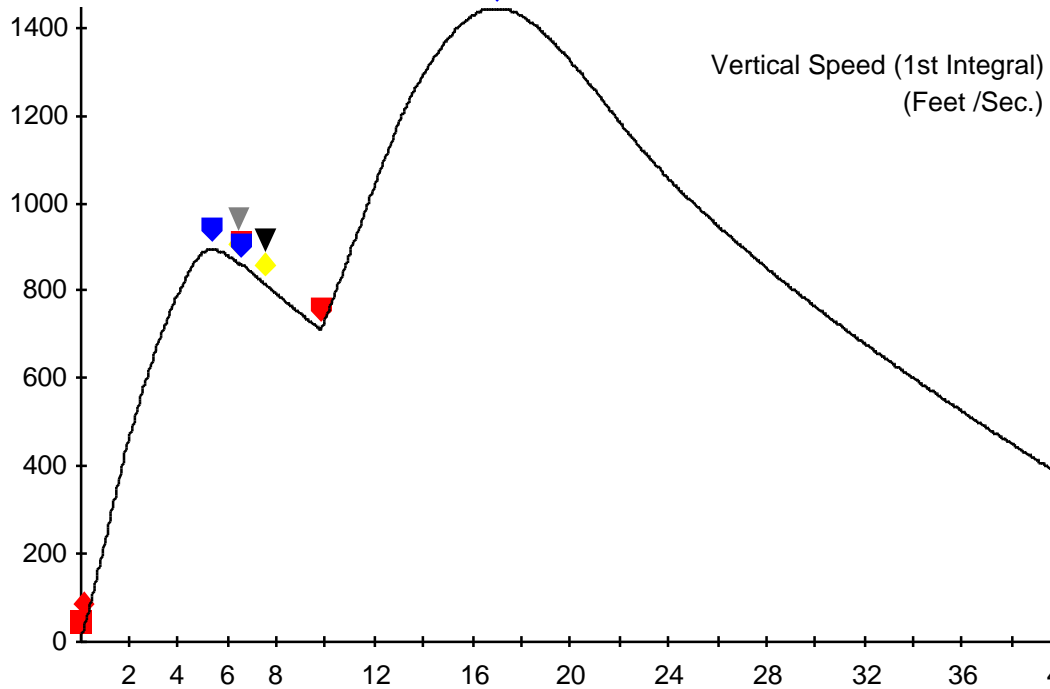


Barometric Altitude
(Feet)

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



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



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

