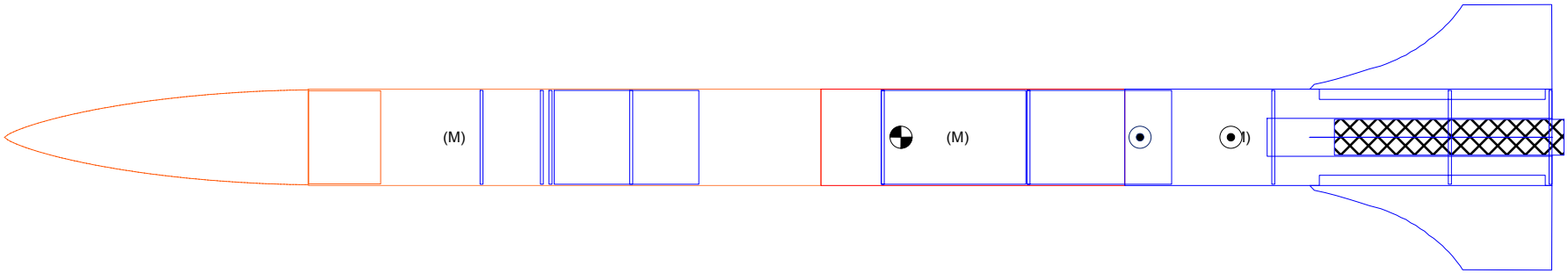
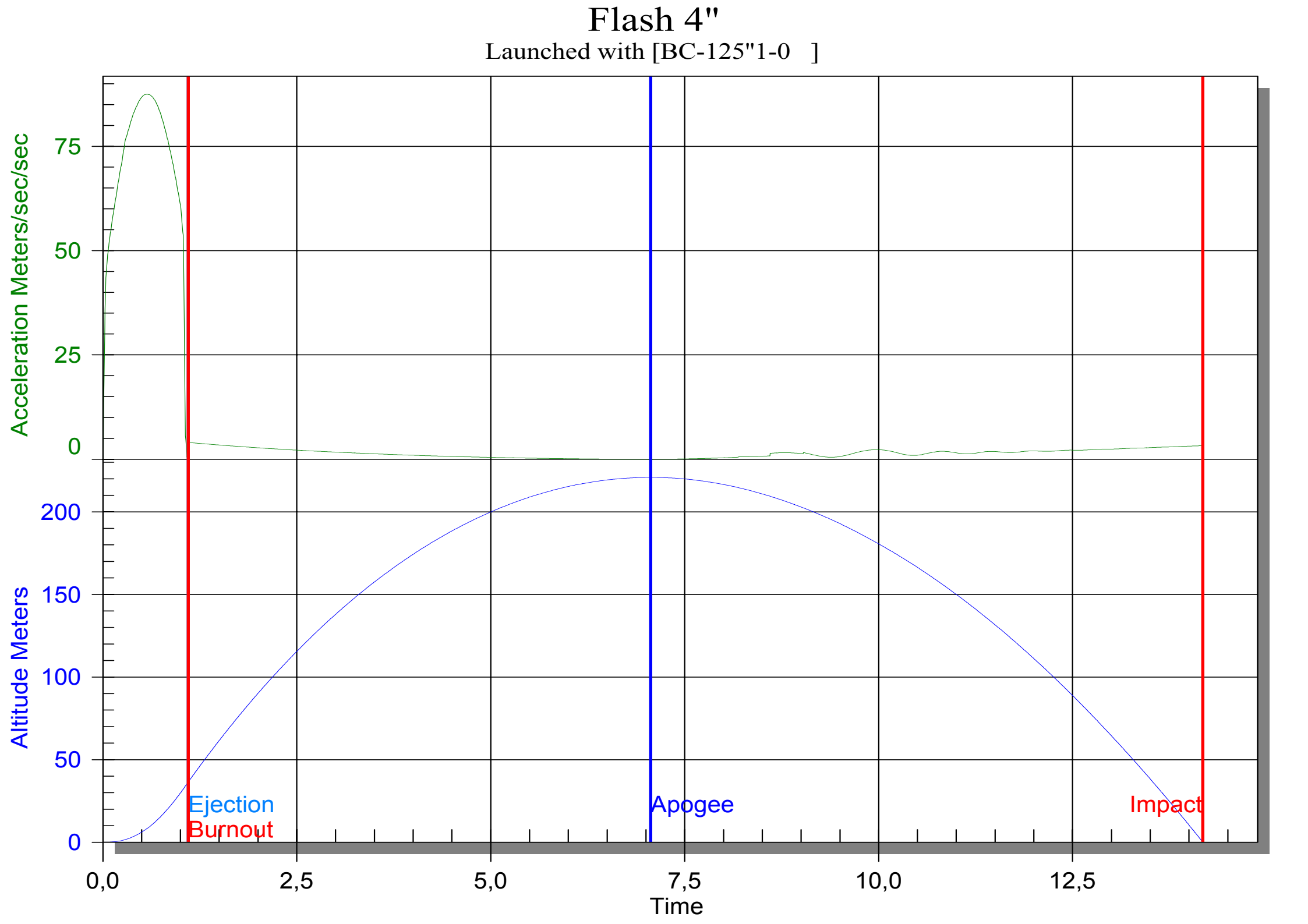
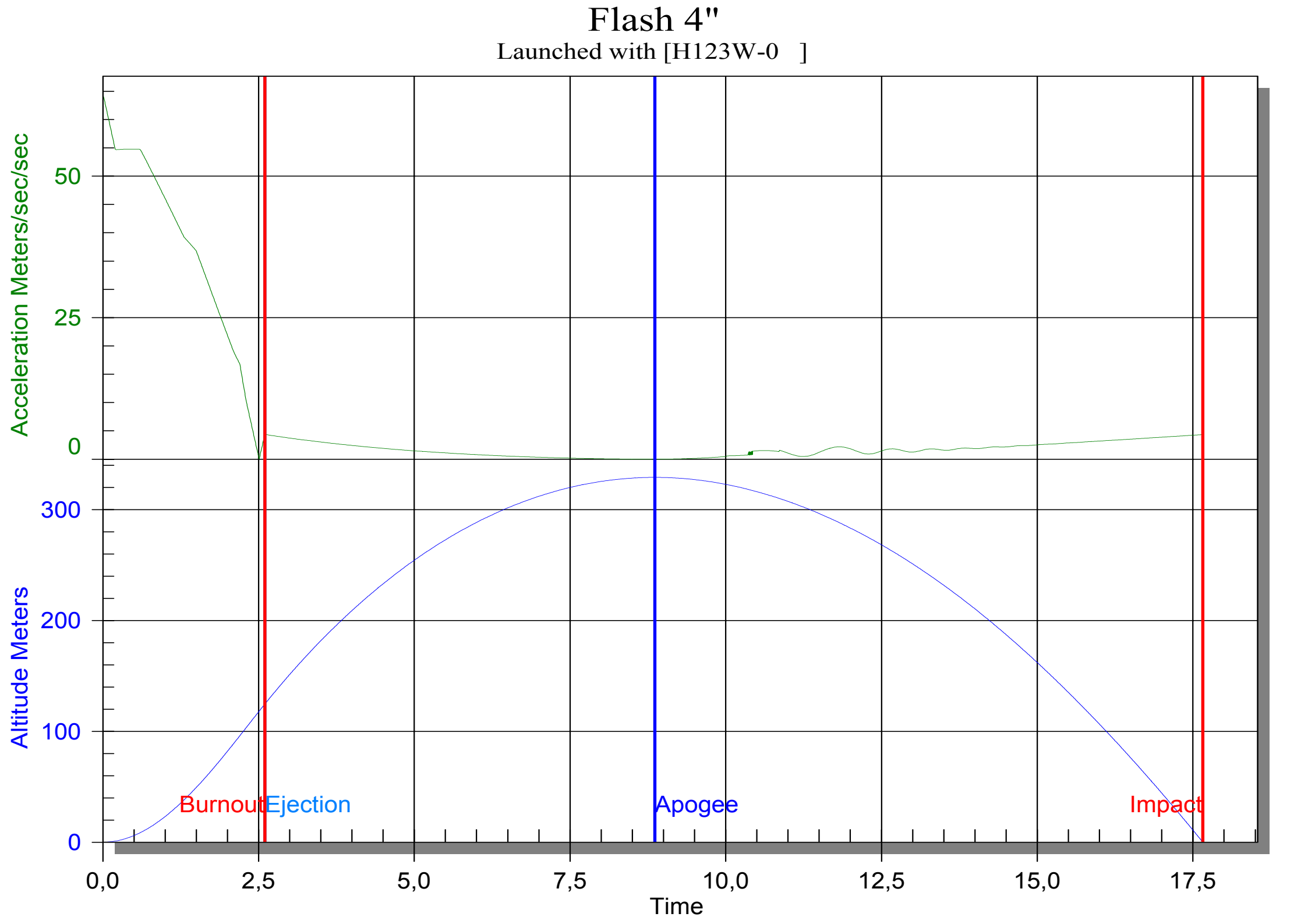
Flash 4" Scale: 1/7
Rocket length: 163.000 cm , diameter: 10.160 cm , span diameter: 28.008 cm
Rocket mass 1848.021 g , Selected stage mass 1848.021 g
Engines: [I170-0]

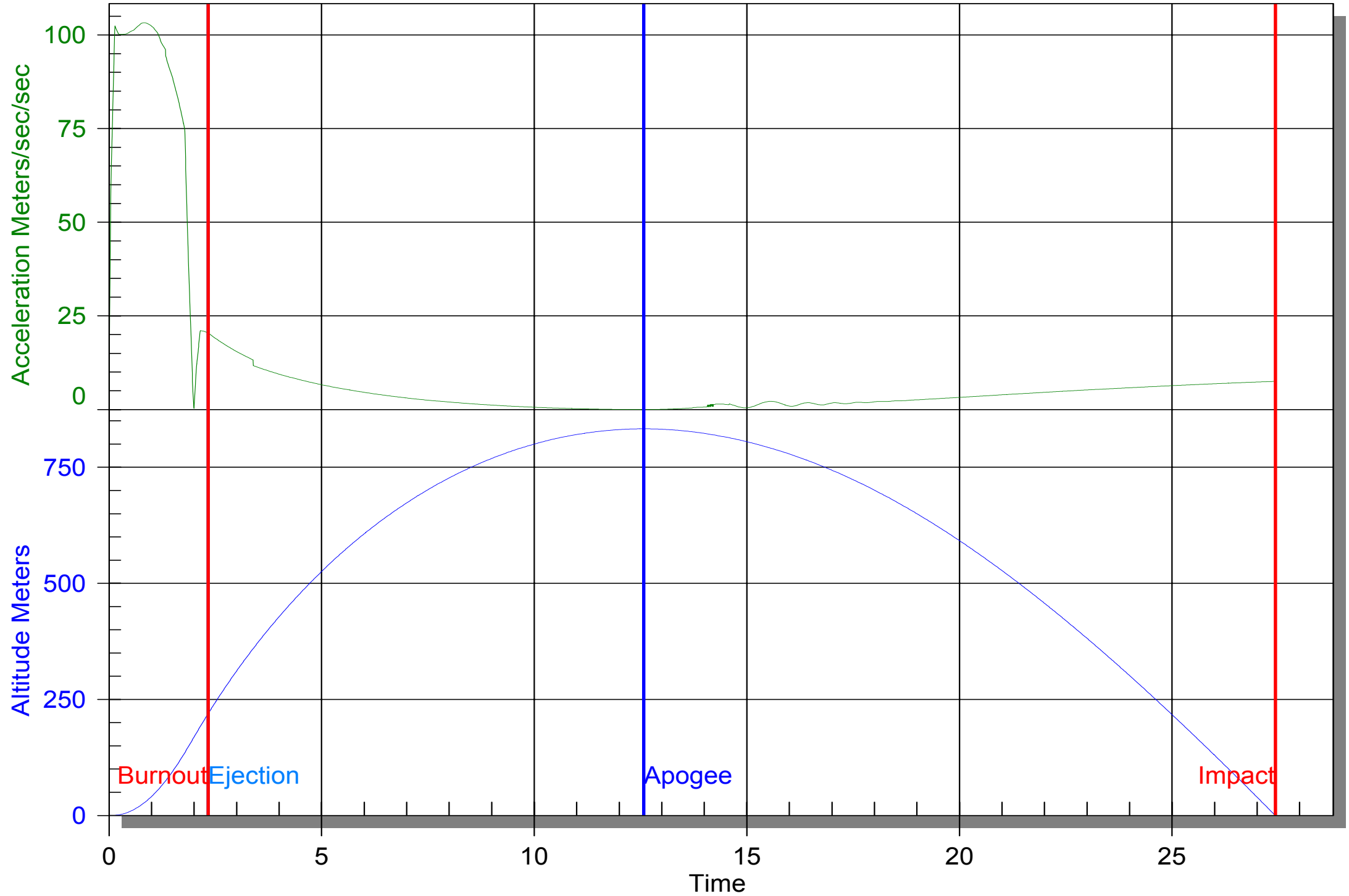


Method	CG cm	CP cm	CNa	Static margin	Analysis
Barrowman	94.440	119.619	9.072	2.52	The rocket is over stable.
RockSim	94.440	129.190	12.328	3.48	The rocket is over stable.

Sim #	Results	Engines loaded	Max, Altitude	Max. Velocity	Max. Acceleration	Time to apogee	Velocity at deployment	Altitude at deployment	Optimal delay
			Meters	Meters / Sec	Meters/sec/sec	Seconds	Meters / Sec	Meters	Seconds
0		[BC-125"1-0]	220.85	66.04	77.69	7.06	n/a	n/a	5.96
1		[H123W-0]	329.14	71.76	54.80	8.86	n/a	n/a	6.26
2		[I170-0]	832.80	156.01	93.46	12.58	n/a	n/a	10.25


Flash 4"
Launched with [BC-125"1-0]
Acceleration Meters/sec/sec
75
50
25
0
Altitude Meters
200
150
100
50
0
Ejection
Burnout
Apogee
Impact
0,0
2,5
5,0
7,5
10,0
12,5
Time


Flash 4"
Launched with [H123W-0]
Acceleration Meters/sec/sec
50
25
0
Altitude Meters
300
200
100
0
Burnout
Ejection
Apogee
Impact
0,0
2,5
5,0
7,5
10,0
12,5
15,0
17,5
Time

Flash 4"

Launched with [I170-0]