

Coca-Cola Caffeinator Phoenix

LOC Magnum with 20" Extension and E Bay

Rocket Data:

LENGTH: 8.69 Ft, DIAMETER: 5.5 IN

BLACK POWDER 11 PSI: 20" = 2.7 G / 15" = 2 G

WEIGHT 12.11 LBS

CG: 56.15 IN, CP: 88.13 IN, MARGIN: 5.77 OVERSTABLE

WEIGHT W ENGINES 13.65 LBS

CG: 60.7 IN., CP: 88.1 IN., MARGIN: 4.94 OVERSTABLE

Motors:

54 MM TO 38 MM ADAPTER - 5 GRAIN - J357 **BS** BURN = 1.8 SEC

Recovery:

DUAL DEPLOY, ROCKETMAN CHUTES, "RAVEN" FEATHERWEIGHT ALTIMETER, ROCKET HUNTER

Max data values (expected):

MAXIMUM ACCELERATION: VERTICAL (Y): 240 FT./S

MAXIMUM VELOCITY: VERTICAL (Y): 291 FT/S

MAXIMUM ALTITUDE: 1375 Ft

DEPLOY MAIN ALTITUDE: 700 Ft

Time data (expected):

TIME TO BURNOUT: 1.8 SEC.

TIME TO APOGEE: 9.7 SEC.

Launch guide data (expected):

LAUNCH GUIDE LENGTH: 72 IN.

MINIMUM VELOCITY FOR STABLE FLIGHT: 44 FT/S

MINIMUM VELOCITY FOR STABLE FLIGHT REACHED AT: 60 IN.

VELOCITY AT LAUNCH GUIDE DEPARTURE: 49 FT/S

THE LAUNCH GUIDE WAS CLEARED AT : 0.25 SECONDS

