

# Nuke ProMaxx

## LOC Precision

### Rocket Data:

LENGTH: 3.6 Ft, DIAMETER: 2.3 IN

WEIGHT 1.2 LBS

CG: 22.73 IN, CP: 35.59IN, MARGIN: 5.59 OVERSTABLE

WEIGHT W ENGINES 1.65 LBS

CG: 27.2 IN., CP: 35.6 IN., MARGIN: 3.66 OVERSTABLE

### Motor:

38 MM TO 29 MM ADAPTER - 2 GRAIN - G83 BLUE STREAK BURN = 1.3 SEC

### Recovery:

"PARROT" FEATHERWEIGHT ALTIMETER, ROCKET HUNTER

### Max data values (expected):

MAXIMUM ACCELERATION:VERTICAL (Y): 405 FT./S/S

MAXIMUM VELOCITY:VERTICAL (Y): 417 FT/S

MAXIMUM ALTITUDE: 1965 Ft

### Time data (expected):

TIME TO BURNOUT: 1.3 SEC.

TIME TO APOGEE: 10.7 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: 32.4 IN.

VELOCITY AT LAUNCH GUIDE DEPARTURE: 67.4 FT/S

THE LAUNCH GUIDE WAS CLEARED AT : 0.195 SECONDS

