

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F13 RTC RELOADABLE

Effective Dates: NAR Certification: April 17, 1994 Contest Use: July 16, 1994

Certified Total Impulse (N-Sec): 63.00 Delay Times: None

Propellant Type: Composite Propellant Mass (GM): 32.3

Casing Diameter (MM): 32 Casing Length (MM): 107

- - - - - STATIC TEST DATA - - - - -

Number Tested: 10 Casing Date Codes: None

Date Tested: April 16, 1994 Test Temp (°c): 19 Elevation (FT): 50

Total Impulse (N-Sec): 62.07 std. deviation: 0.59

Peak Thrust (Newtons): 19.98 std. deviation: 0.64

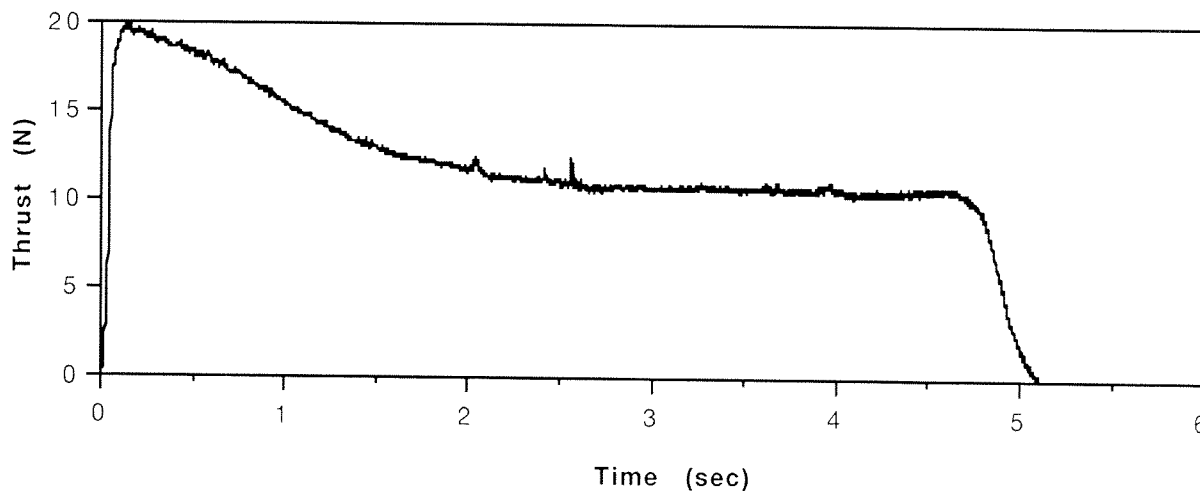
Burn Time (Seconds): 5.10 std. deviation: 0.09

Casing Burnt Mass (GM): 75.2 Max Casing External Temp (°c): under 200

Delay Time (sec)	None
Initial Mass (gm)	110.5
Avg. Measured Delay	None

Remarks: Uses AEROTECH RMS-RC 32/60-100 Reload System and AEROTECH F13-RTC reload kit. No substitutions allowed.

Typical Thrust - Time Curve:



Committee Chairman