

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET MOTOR TESTING REPORT

Manufacturer and Type: AEROTECH F20 LUR (Limited-Use Reloadable)

Effective Dates: NAR Certification: 4/10/05

Certified Total Impulse (N-Sec): 51.75 Delay Times: 4, 7

Propellant Type: White Lightning Propellant Mass (GM): 30.0

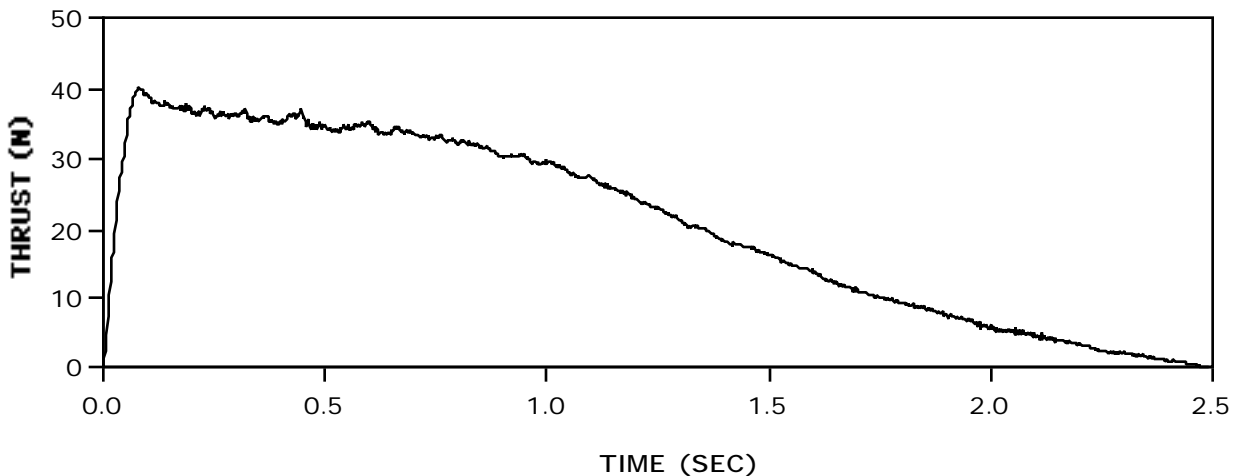
Casing Diameter (MM): 29 Casing Length (MM): 83

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

Number Tested: 12 Casing Date Codes: None  
Date Tested: 4/9/05 Test Temp (°c): 22 Elevation (FT): 20  
Total Impulse (N-Sec): 51.75 std. deviation: 0.74  
Peak Thrust (Newtons): 40.33 std. deviation: 2.42  
Burn Time (Seconds): 2.49 std. deviation: 0.15  
Casing Burnt Mass (GM): 44.0 Max Casing External Temp (°c): under 200

Delay Time (sec)	4	7
Initial Mass (gm)	80.1	80.2
Avg. Measured Delay	3.63	6.81

Remarks:



*John Kane*  
NAR S&T Committee Chairman

