

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH G35 - Econojet

Effective Dates: NAR Certification: 10/14/96 Contest Use: 3/10/97

Certified Total Impulse (N-Sec): 105 Delay Times: 4, 7

Propellant Type: Composite Propellant Mass (GM): 50

Casing Diameter (MM): 29 Casing Length (MM): 98

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

Number Tested: 12 Casing Date Codes: 603E9

Date Tested: 10/13/96 Test Temp (°c): 19 Elevation (FT): 200

Total Impulse (N-Sec): 100.82 std. deviation: 0.97

Peak Thrust (Newtons): 76.22 std. deviation: 8.47

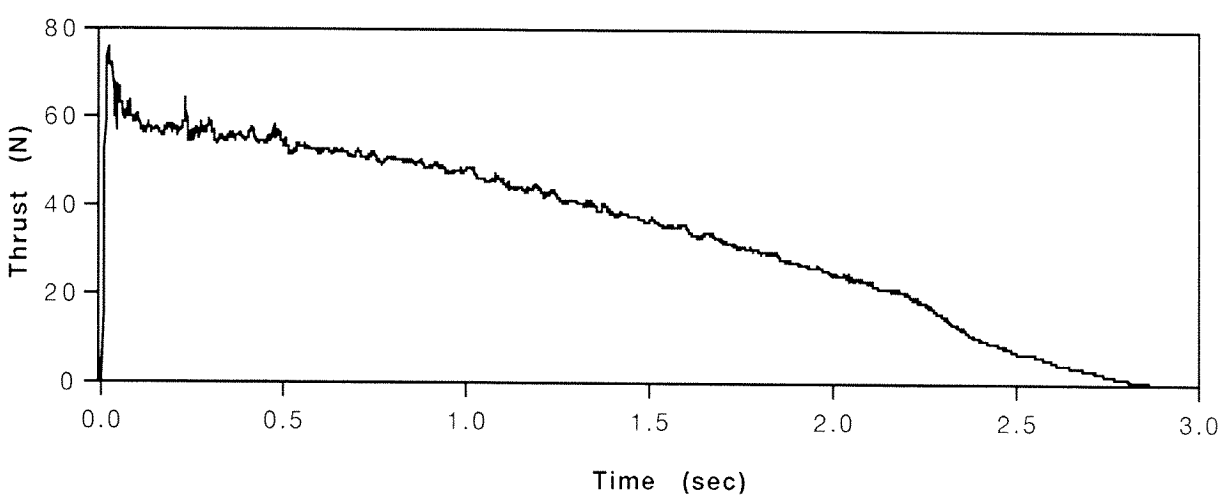
Burn Time (Seconds): 2.91 std. deviation: 0.08

Casing Burnt Mass (GM): 31.7 Max Casing External Temp (°c): under 200

Delay Time (sec)	4	7
Initial Mass (gm)	100.5	100.4
Avg. Measured Delay	4.29	7.57

Remarks:

Typical Thrust - Time Curve:



-----  
Committee Chairman