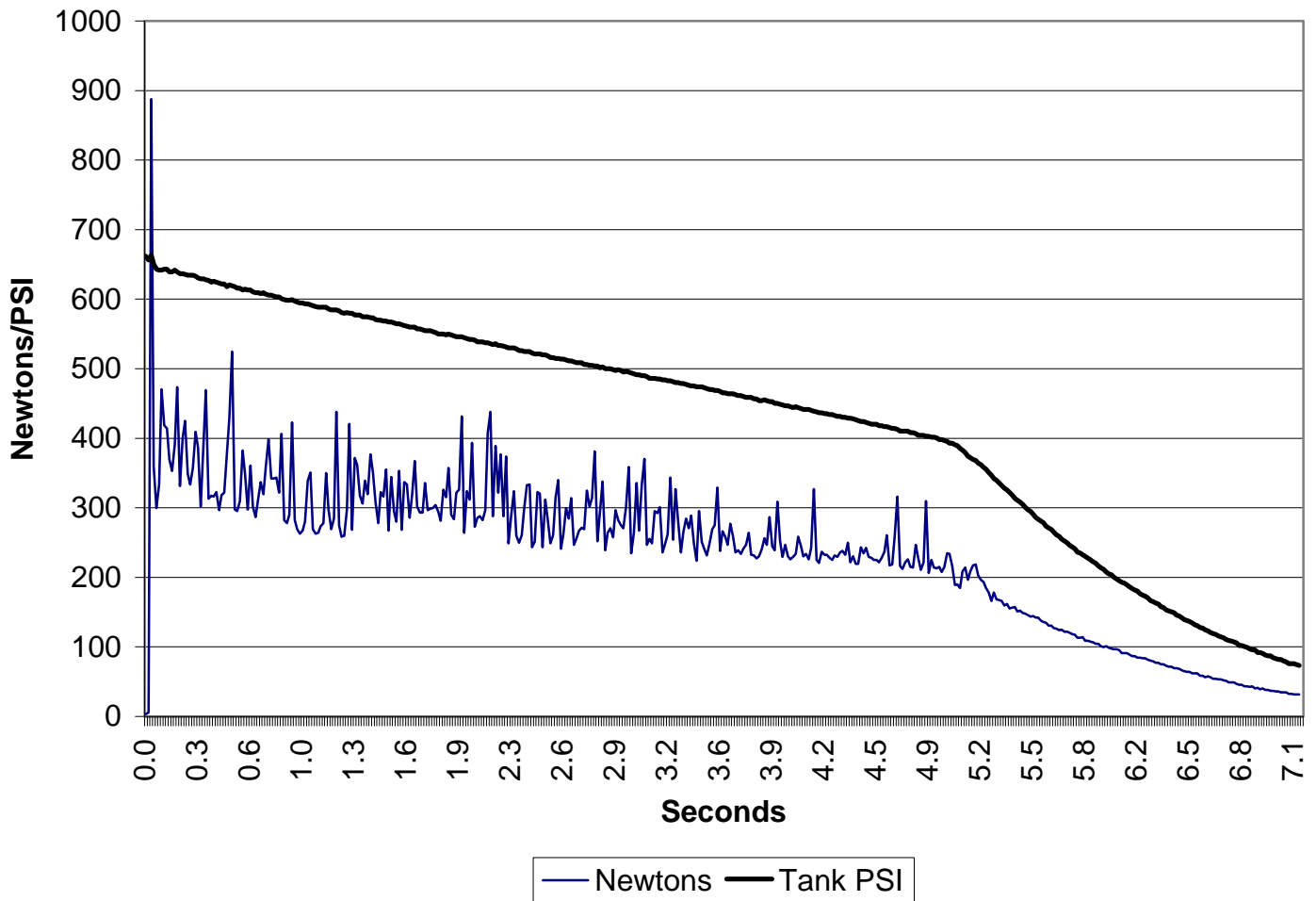
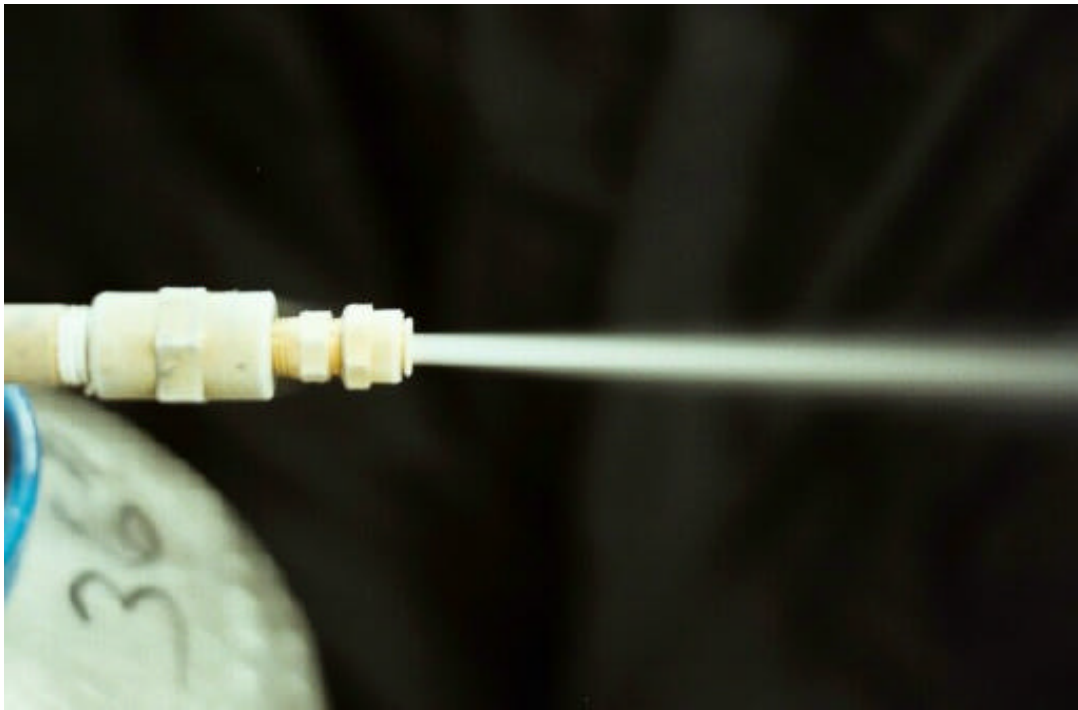


K-240 U-C Valve 1 PolyPro Grain Stock Motor



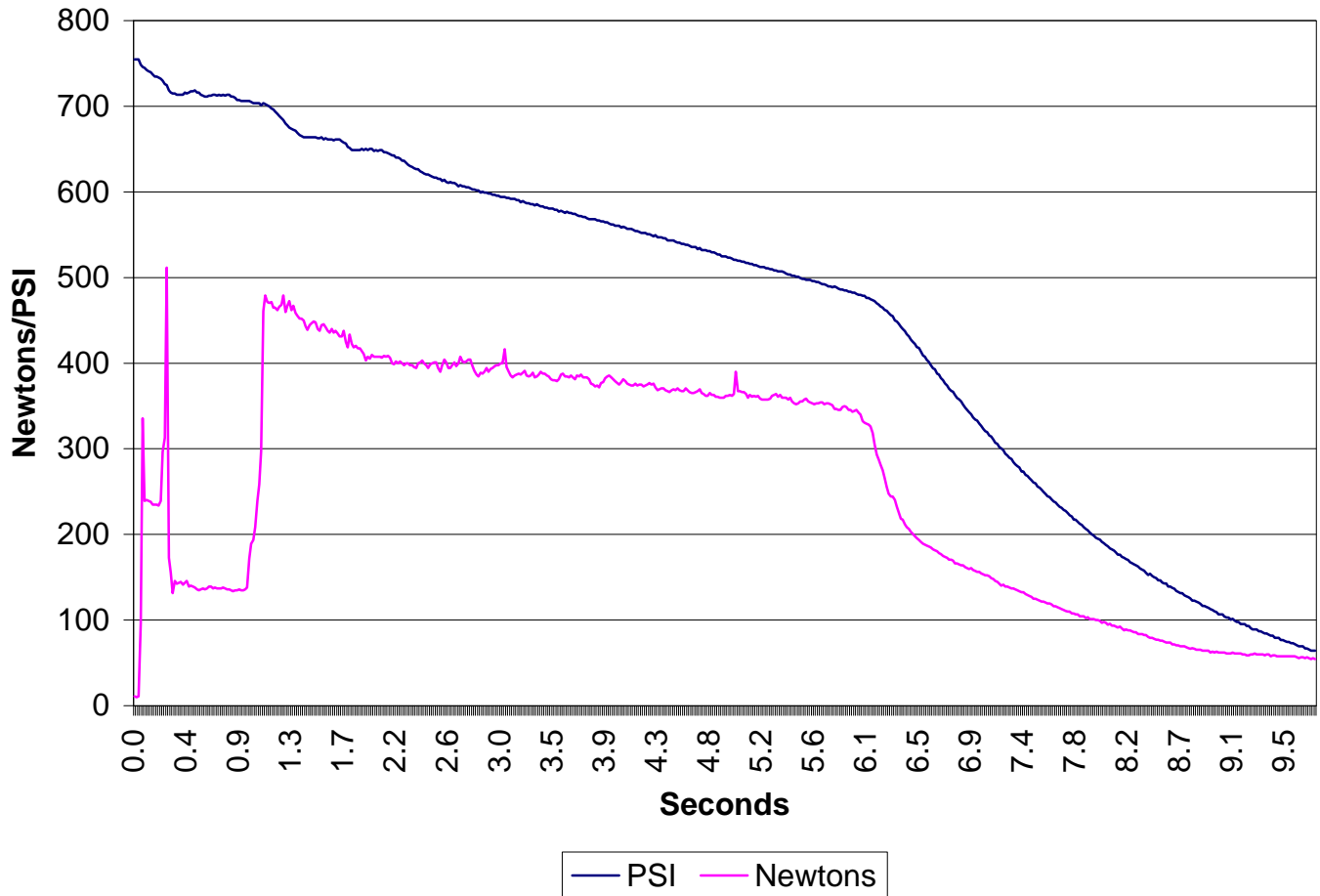
Total Impulse	1722.15 Newton Seconds
Average Newtons	235.85 Newtons
Burntime	7.2 Seconds
Max Newtons	885.55 Newtons
Plastic Burned	3.38 oz
Nitrous Oxide	43.36 oz
Propellant Weight Total	<u>46.74 oz</u>
Oxidizer Ratio	12.8
ISP	132.48
Supply Tank Pressure	693 PSI
Ambient Temp	75 Degrees F
Test Date	11/10/02



U-C Valve #1 Stock K-240 Injector



K-240 U-C Valve 2 ABS Grain



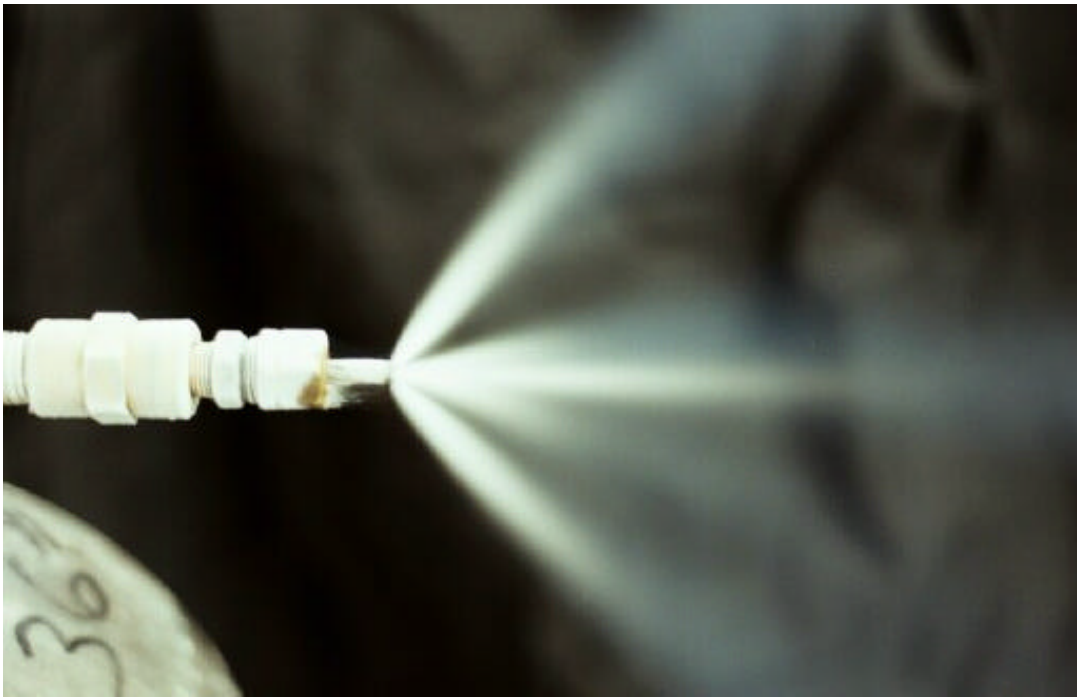
Total Impulse	2,567.65 Newton Seconds
Average Newtons	262.55 Newtons
Burntime	9.78 Seconds
Max Newtons	511.75 Newtons

Plastic Burned	8.36 oz
Nitrous Oxide	43.36 oz
Propellant Weight Total	<u>51.72 oz</u>

Oxidizer Ratio	5.19
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ISP	178.5
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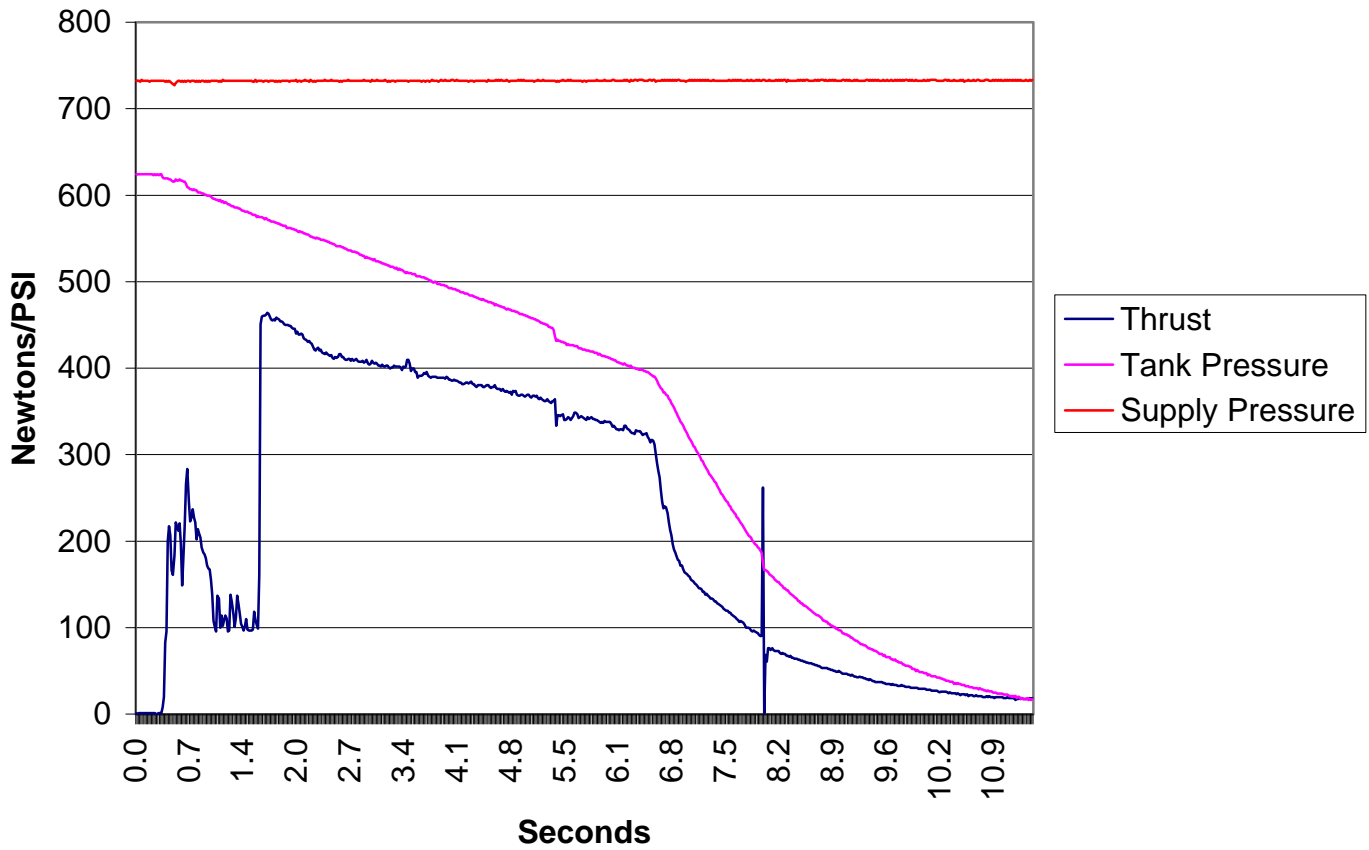
Supply Tank Pressure	866 PSI
Ambient Temp	80 Degrees F
Test Date	11/17/02
Location	West Covina
Present	Dave, Wayne, Ron, Joe



U-C Valve 2 -- Four holes at 60 degrees and a small in-line hole



K-240 U-C Valve #3 Star Injector PolyPro Grain



Total Impulse	2,465 Newton Seconds
Average Newtons	214 Newtons
Burntime	11.3 Seconds
Max Newtons	463 Newtons

Plastic Burned	_____ grams
Nitrous Oxide	_____ grams
Propellant Weight Total	===== grams

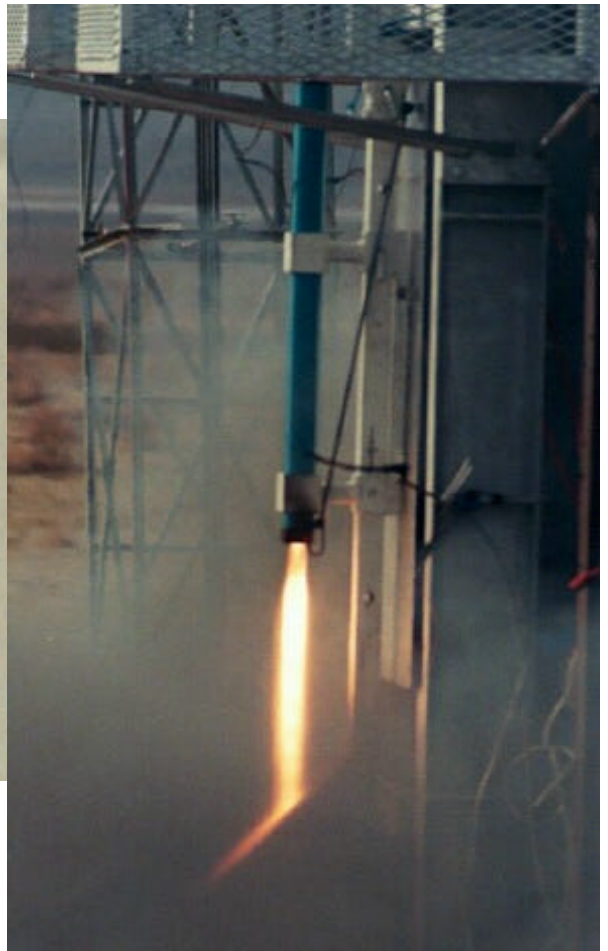
Oxidizer Ratio

ISP

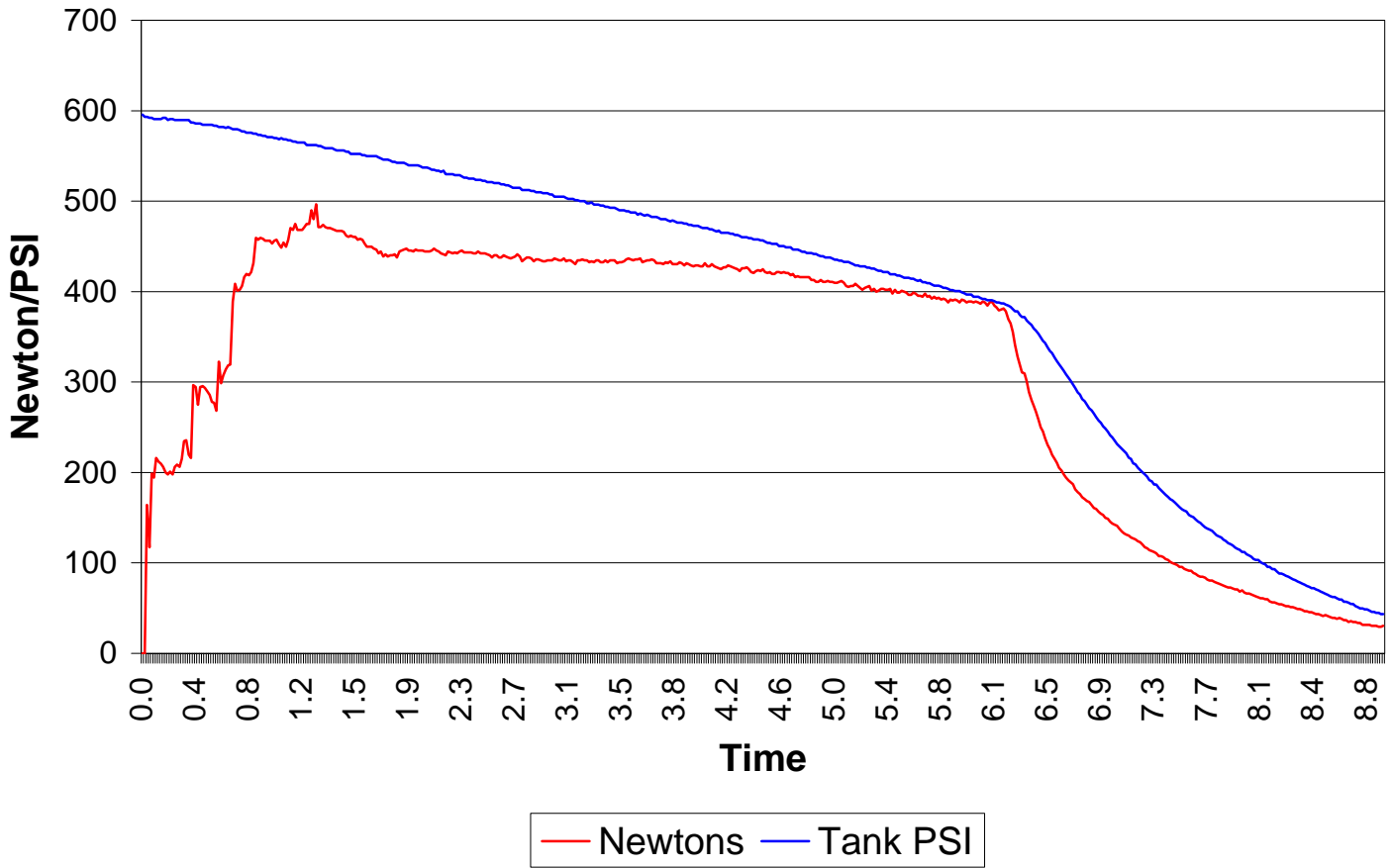
Supply Tank Pressure	730 PSI
Ambient Temp	72 Degrees F
Test Date	12/8/2002 Test #1
Location	RRS Mojave
Present	Joe Mullin, Dave Griffith



K-240 U-C Valve #3 Star Pattern 6 Slots PolyPro Grain



K-240 U-C Valve #4 6"Tube ABS Grain



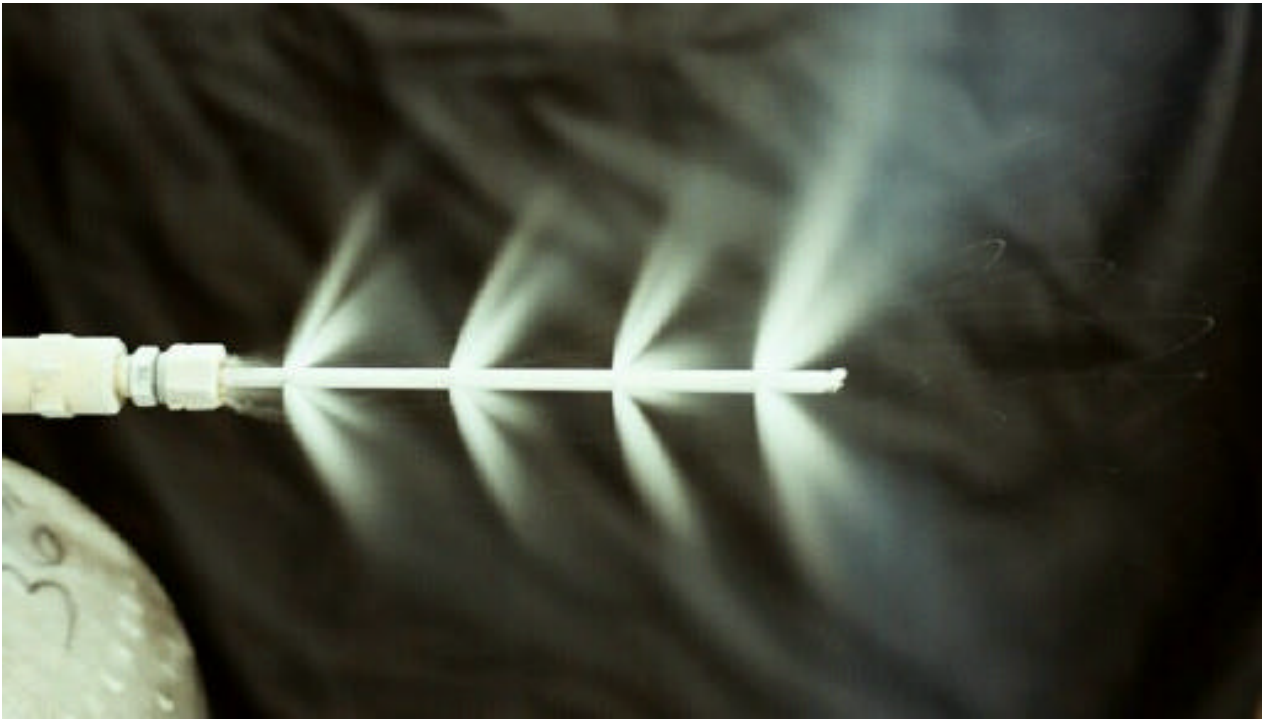
Total Impulse	2,856 Newton Seconds
Average Newtons	316 Newtons
Burntime	8.9 Seconds
Max Newtons	512 Newtons

Plastic Burned	205.00 grams
Nitrous Oxide	<u>1,229.26 grams</u>
Propellant Weight Total	<u><u>1,434.26 grams</u></u>

Oxidizer Ratio	6.00
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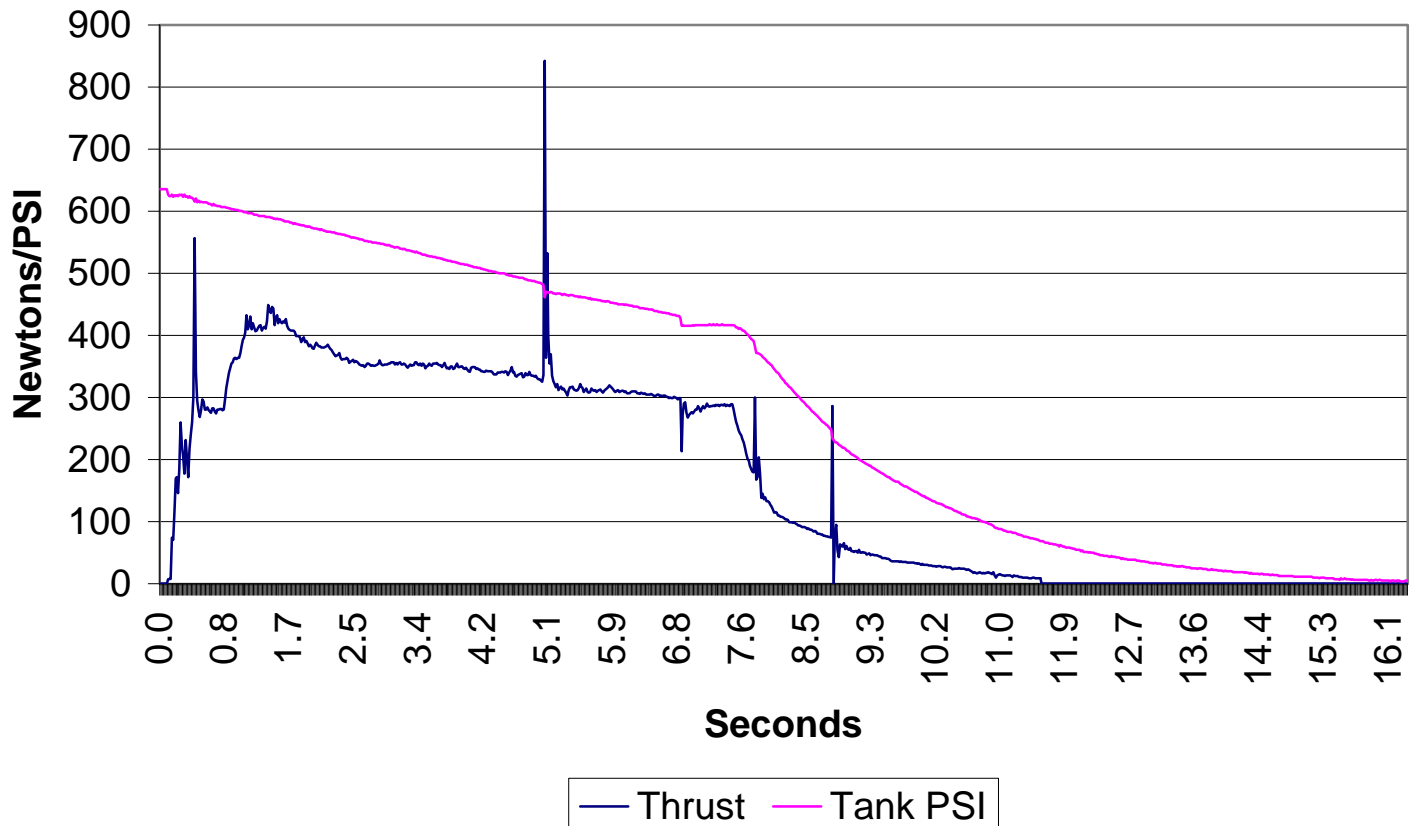
ISP	203
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Supply Tank Pressure	709 PSI
Ambient Temp	72 Degrees F
Test Date	12/8/2002 Test #2
Location	RRS Mojave
Present	Joe Mullin, Dave Griffith



K-240 U-C Valve #4 6" Rod 24 holes ABS Grain

K-240 U-C Valve #5 90 Degree Inj. PolyPro Grain



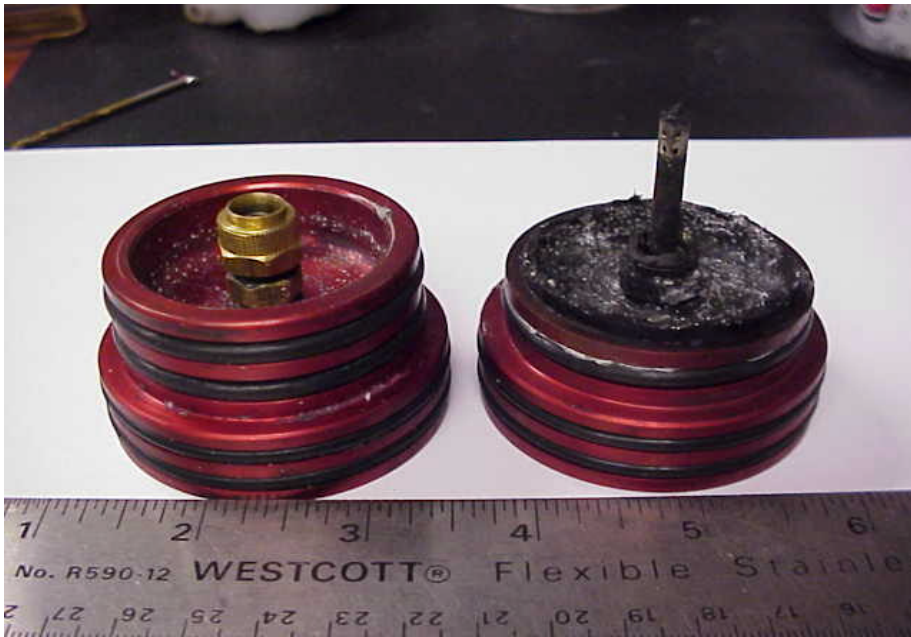
Total Impulse	2,626 Newton Seconds
Average Newtons	320 Newtons
Burntime	11.3 Seconds
Max Newtons	450 Newtons

Plastic Burned	198.00 grams
Nitrous Oxide	<u>1,229.26</u> grams
Propellant Weight Total	<u><u>1,427.26</u></u> grams

Oxidizer Ratio	6.21
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ISP	188
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Supply Tank Pressure	732 PSI
Ambient Temp	65 Degrees F
Test Date	12-14-2002 Test 1
Location	Lucerne
Present	Joe Mullin, Dave Griffith, Wayne Mrazek



Holy Injector Batman, what happened to the top o-ring and groove?
K-240 U-C Valve #5 90 degree injector 12 holes PolyPro Grain

