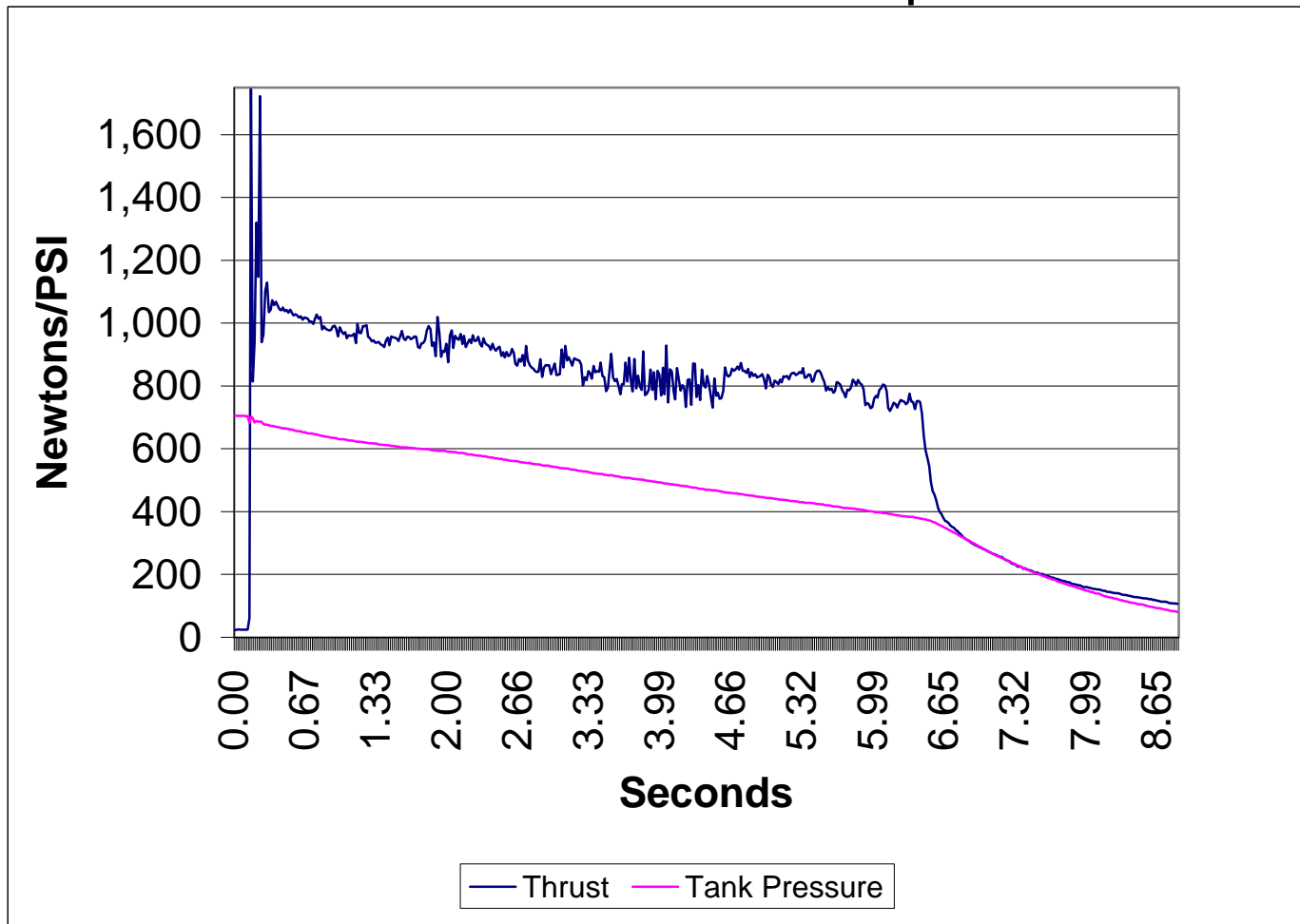


# M-900 6 Foot Assembly .8 Nozzle-Star Injector MTA 2-22-2003.wdq



Total Impulse	6,118	Newton Seconds
Average Newtons	681	Newtons
Burntime	9.0	Seconds
Max Newtons	1,745	Newtons
Chamber Pressure Max.	380	PSI
Chamber Pressure Min.	290	PSI

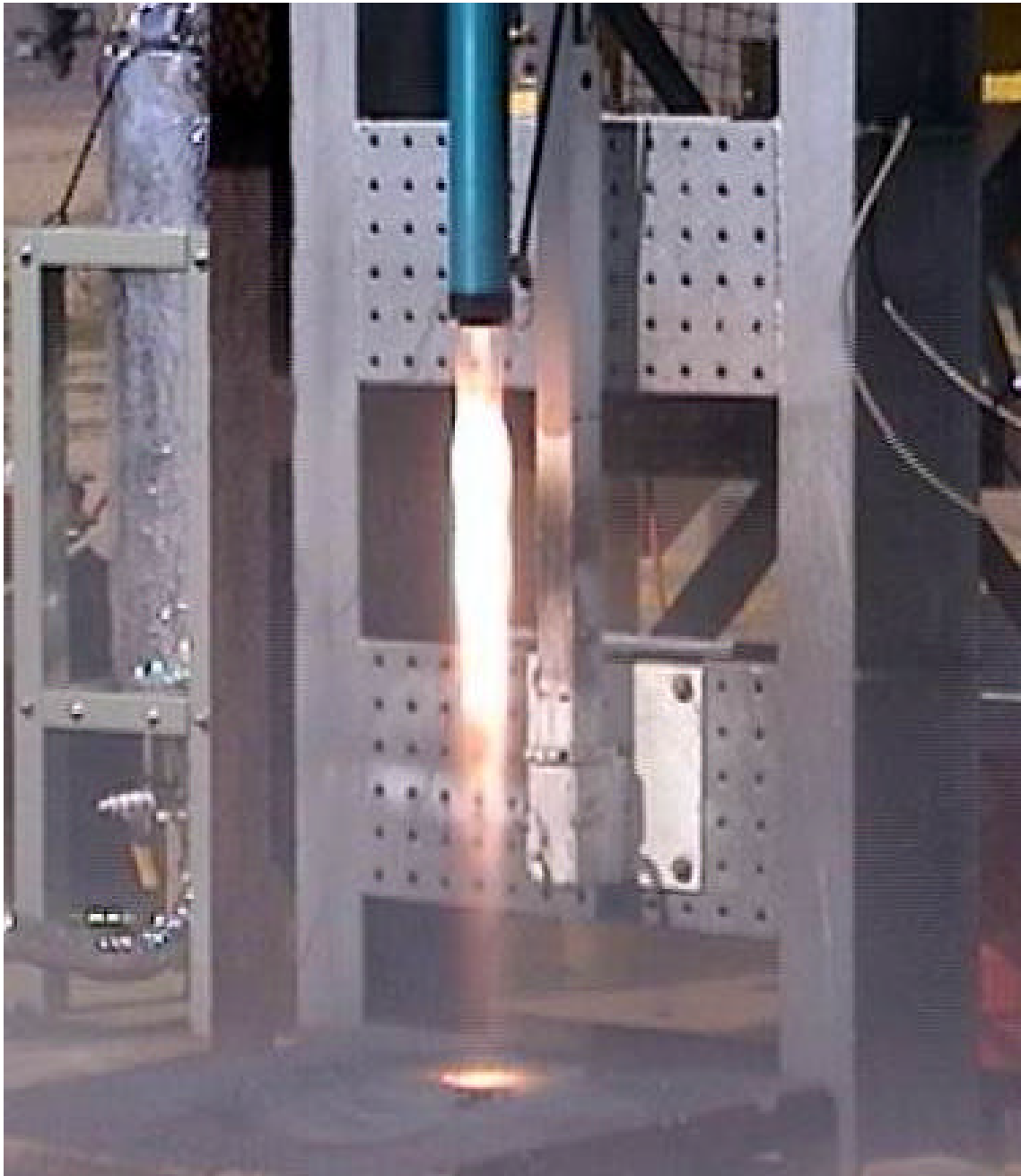
Plastic Burned	337	grams
Nitrous Oxide	2,863	grams
Propellant Weight Total	<u>3,200</u>	grams

Oxidizer Ratio	8.49	
ISP	195	
Supply Tank Pressure	900	PSI
Ambient Temp	68	Degrees F

Test Date 02/22/03  
 Location MTA  
 Test Team Joe Mullin, Dave Griffith, Dave McCue

Test Goal - Thrust curve for 6 foot M-900 .8 nozzle star injector - Polypro grain 1.225 ID  
 Test Results - Very steady burn pattern, No grain burn through, Injector and nozzle reusable

M-900 6 Foot Assembly .8 Nozzle-Star Injector  
MTA 2-22-2003.wdq



RRS MTA Vertical Test Stand One  
RATT M-900 Test Number Two