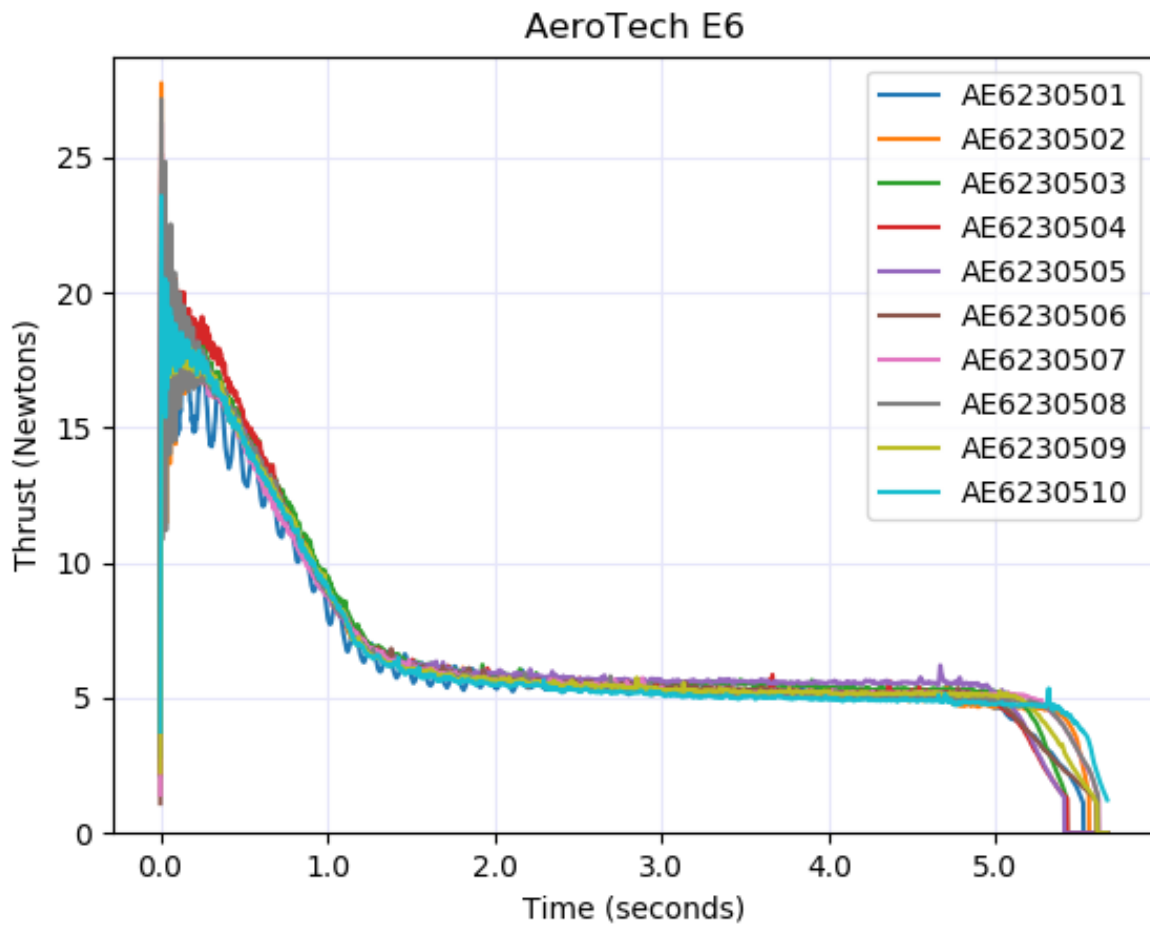


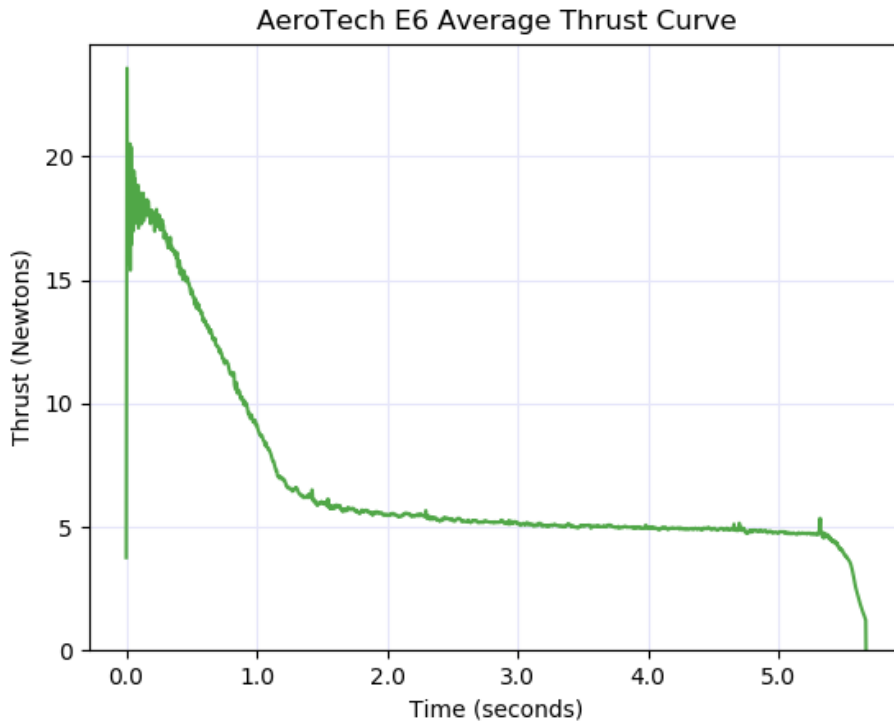


AeroTech E6 Test Results

Manufacturer	AeroTech
Motor Designation	E6
Date Tested	2023-05-06
Average Total Impulse	38.78
Average Max Thrust	24.07
Average Burn Time	5.55
Average Thrust	6.99
Result	Measured values are within NFPA tolerances



Test ID	Delay	I-Total	f-Max	f-Avg	t-Burn	t-Delay	m-Init	m-Post	Lot ID
AE6230501		37.42	21.15	6.77	5.53		42.00	20.00	
AE6230502		38.74	27.76	6.97	5.56		44.00	20.00	
AE6230503		39.62	24.51	7.30	5.43		44.00	20.00	
AE6230504		38.68	25.16	7.12	5.43		44.00	20.00	
AE6230505		39.24	26.29	7.25	5.41		46.00	20.00	
AE6230506		38.62	21.53	6.89	5.60		44.00	20.00	
AE6230507		38.96	23.16	6.93	5.62		42.00	20.00	
AE6230508		38.91	27.17	6.93	5.61		44.00	20.00	
AE6230509		38.88	20.40	6.93	5.61		46.00	20.00	
AE6230510		38.68	23.58	6.82	5.67		44.00	20.00	
Average		38.78	24.07	6.99	5.55				
σ		0.54	2.43	0.17	0.09				
$\% \sigma$		1.38	10.09	2.39	1.60				



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; AeroTech E6 RASP .ENG file
; File produced May 06, 2023 by NAR Standards & Testing
;
; Motor Diameter Length Delays Propellant_Mass(kg) Initial_Mass(kg) Manufacturer
E6 24 70 0 0.0215 0.0440 AeroTech
0.000 3.755
0.006 23.582
0.010 15.637
0.028 20.517
0.032 15.396
0.036 20.399
0.040 16.442
0.058 19.429
0.064 17.425
0.068 19.088
0.232 17.863
0.238 17.207
0.274 17.441
0.320 16.302
0.338 16.733
0.434 15.017
0.470 15.095
0.526 14.001
1.234 6.600
1.664 5.620
2.296 5.661
2.404 5.222
2.438 5.394
3.124 5.024
4.528 4.862
4.658 5.113
4.684 4.841
4.698 5.152
5.298 4.675
5.318 5.349
5.552 3.515
5.670 0.000
;

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