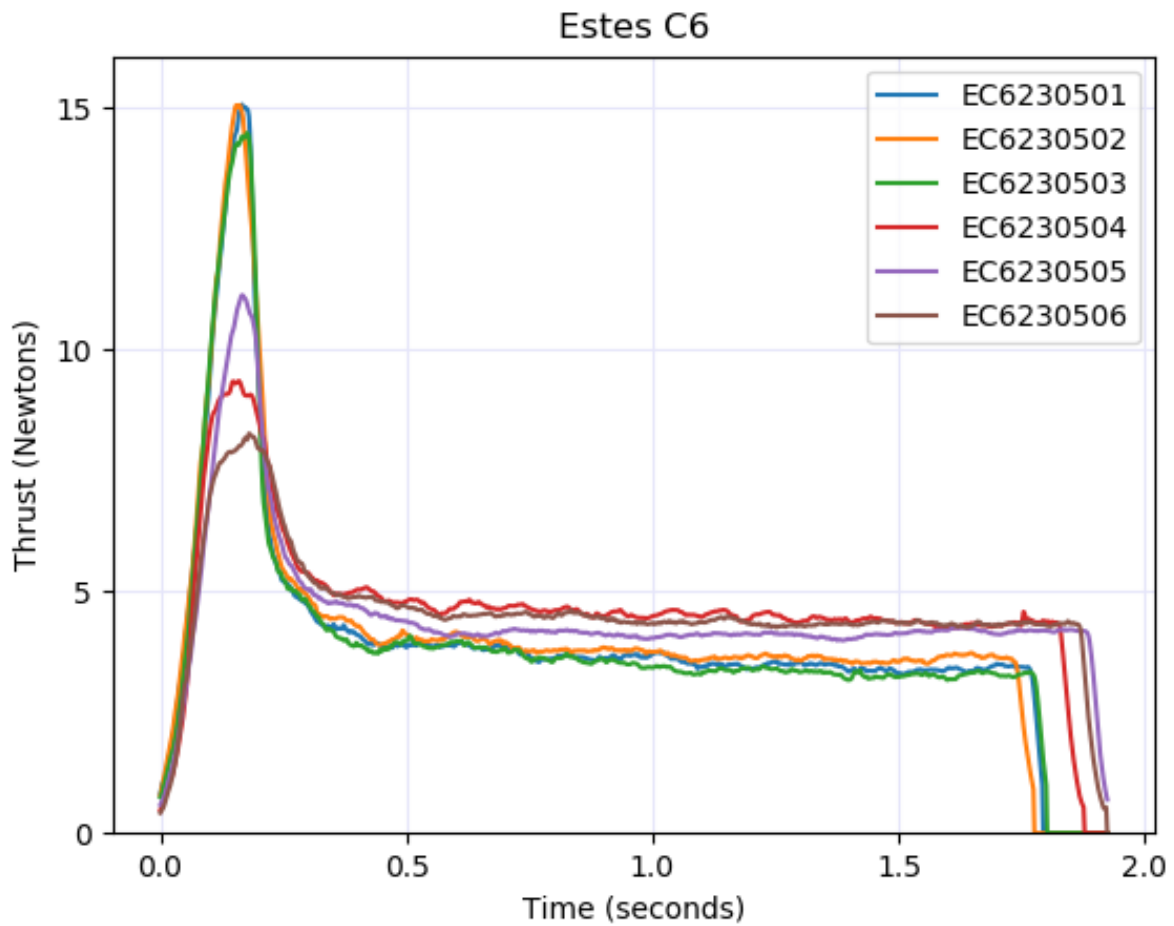


Estes C6 Test Results

Manufacturer	Estes
Motor Designation	C6
Date Tested	2023-05-06
Average Total Impulse	8.27
Average Max Thrust	12.22
Average Burn Time	1.85
Average Thrust	4.47
Result	FAIL, see details below



Test ID	Delay	I-Total	f-Max	f-Avg	t-Burn	t-Delay	m-Init	m-Post	Lot ID
EC6230501	7	7.69	15.07	4.29	1.79	5.83	24.00	10.00	J200121
EC6230502	7	7.90	15.05	4.45	1.78	5.57	24.00	10.00	J200121
EC6230503	7	7.54	14.48	4.18	1.80	5.59	22.00	10.00	J200121
EC6230504	7	8.97	9.35	4.78	1.88	6.16	24.00	10.00	A110308
EC6230505	7	8.67	11.13	4.50	1.93	4.60	24.00	10.00	A100200
EC6230506	7	8.85	8.26	4.60	1.92	6.45	24.00	10.00	A110308
Average		8.27	12.22	4.47	1.85				
σ		0.58	2.78	0.19	0.06				
$\% \sigma$		6.97	22.74	4.36	3.34				
	<u>Delay</u>	<u>Average</u>	<u>σ</u>	<u>$\% \sigma$</u>					
	7	5.70	0.58	10.21					

Individual motors failed

Test ID	Issue
EC6230505	Delay Short