

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106

The Laminex Group
22 Trewin Street
Wendouree VIC 3355

22-001161
27/04/2022
28/04/2022
3455941

Clients Ref : "Decorated MDF #29194"
Rigid Panel
Colour : White
Nominal Composition : Laminated MDF
Nominal Thickness : Approx: 18mm



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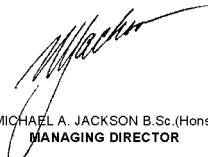


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Accreditation Numbers: 983, 985, and 1356

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Sean Bassett




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MANAGING DIRECTOR

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Method of Test for Heat and Smoke Release Rates for Materials and Products using an Oxygen Consumption Calorimeter

Date Tested 27-04-2022
Face Tested FACE

	Specimen			Mean	
	1	2	3		
Average Heat Release Rate	71.1	62.6	73.5	69.1	kW/m ²
Average Specific extinction area	47.3	30.1	20.4	32.6	m ² /kg

(according to Specification C1.10 of the Building Code of Australia)

Test orientation : Horizontal

	Specimen			Mean	
	1	2	3		
Irradiance	50	50	50	50	kW/m ²
Exhaust flow rate	0.024	0.024	0.024	0.024	m ³ /s
Time to sustained flaming	64	49	47	53	sec
Test duration	3600	3600	3600	3600	sec
Peak heat release after ignition	189.3	188.6	187.3	188.4	kW/m ²
Average heat at 60 s	133.8	100.8	120.9	118.5	kW/m ²
Average heat at 180 s	151.6	133.7	142.1	142.5	kW/m ²
Average heat at 300 s	142.1	129.0	135.8	135.7	kW/m ²
Total heat released	251.3	222.3	261.0	244.9	MJ/m ²
Average effective heat of combustion	18.0	16.0	18.6	17.5	MJ/kg
Initial thickness	18	18	18	18.0	mm
Initial mass	131.6	130.2	131.6	131.1	g
Mass remaining	18.1	17.3	18.2	17.9	g
Mass percentage pyrolysed	86.2	86.7	86.2	86.4	%

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Mass loss	14.0	13.9	14.0	14.0	kg/m ²
Average rate of mass loss	4.0	3.9	3.9	3.9	g/m ² .s
Additional Observations	NONE				
Difficulties Encountered during Testing	NONE				

These test results relate only to the behaviour of the product under the conditions of the test, they are not intended to be the sole criterion for assessment of performance under real fire conditions.

The results of these fire tests may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of the fire hazard under all fire conditions.

Retainer grid was used to contain the test specimen within the sample holder

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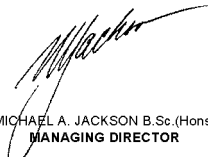


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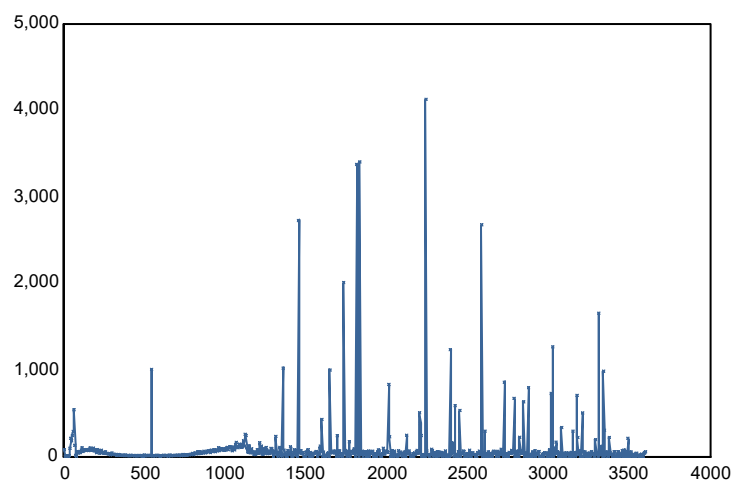
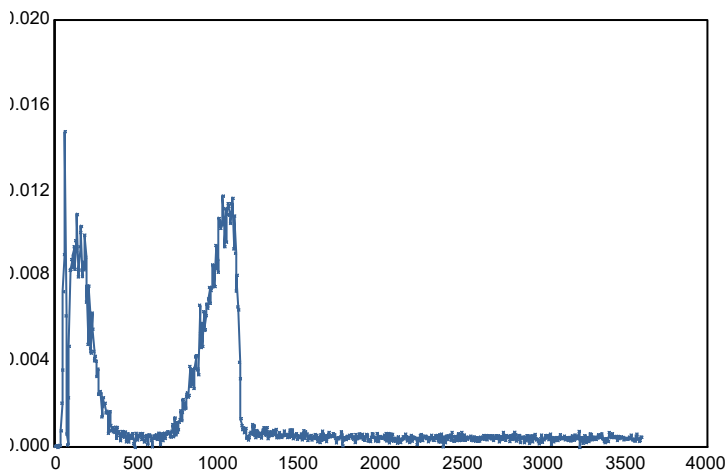
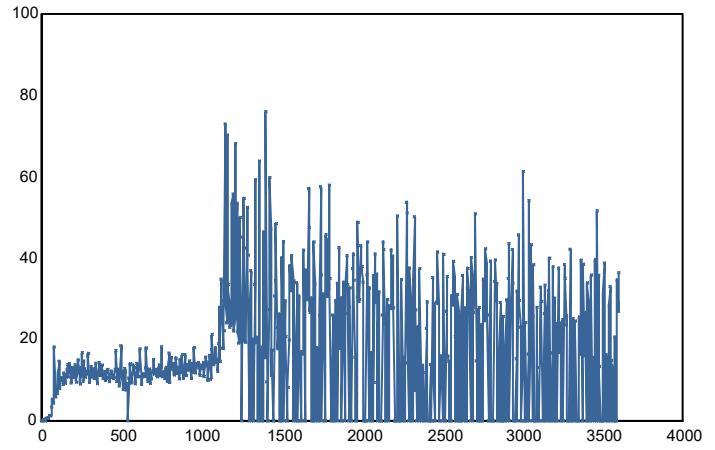
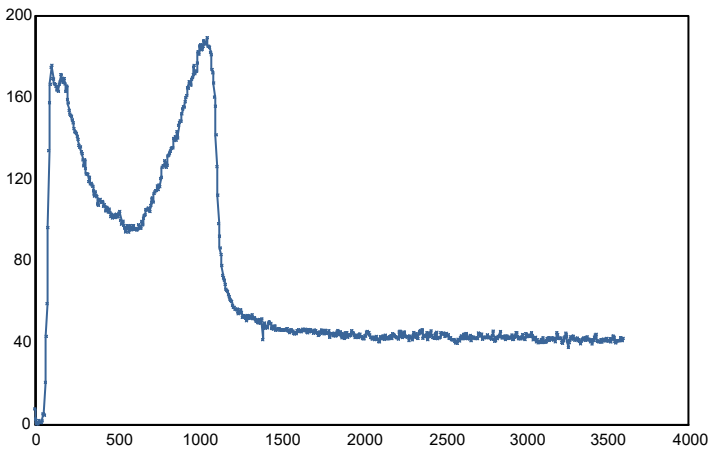
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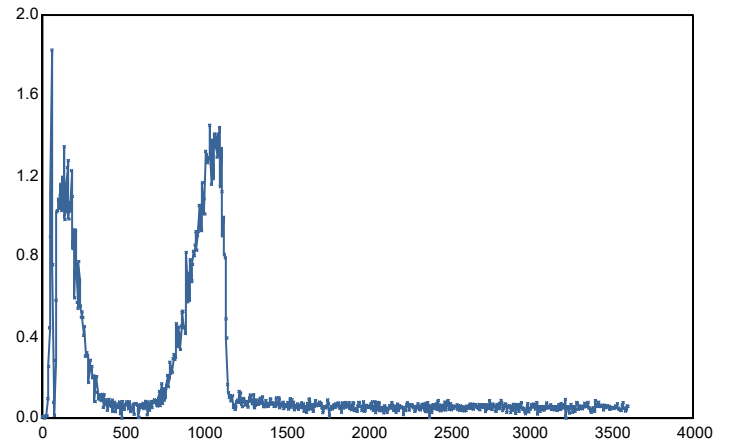
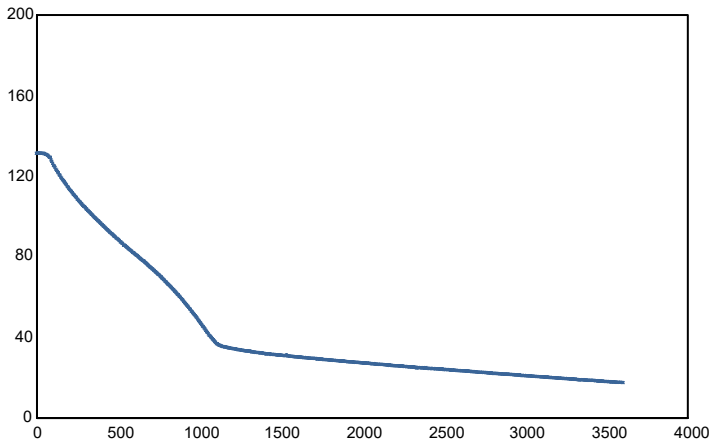
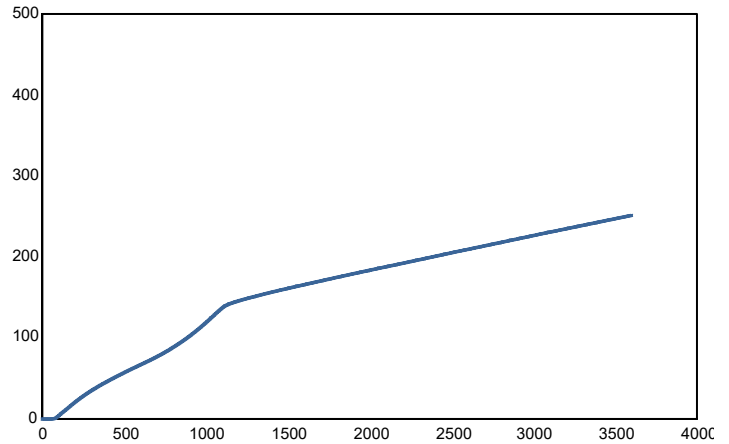
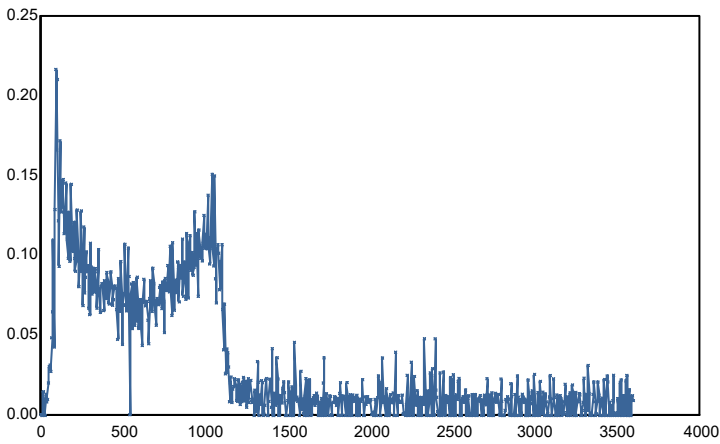
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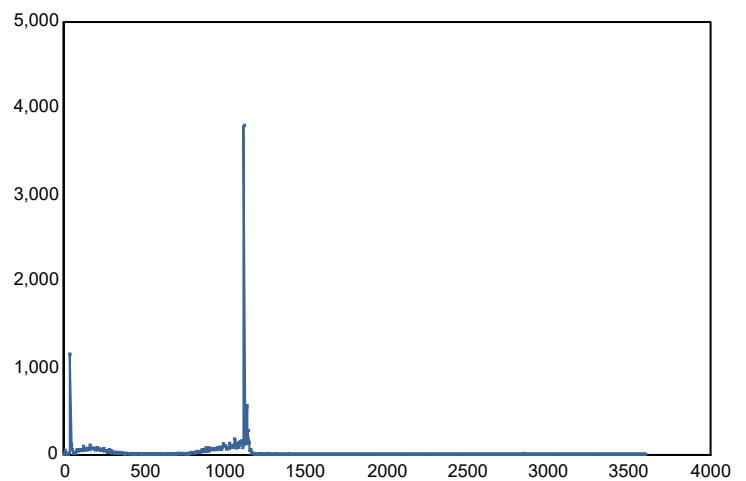
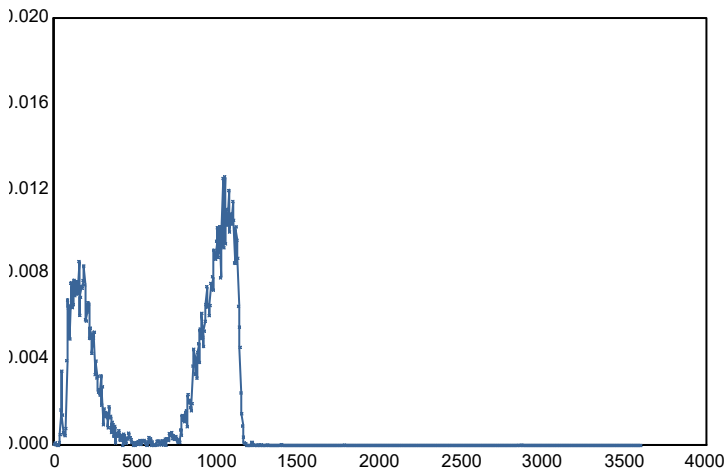
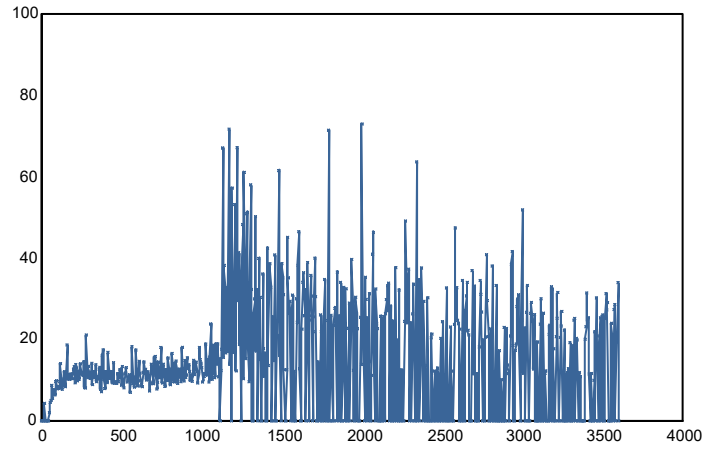
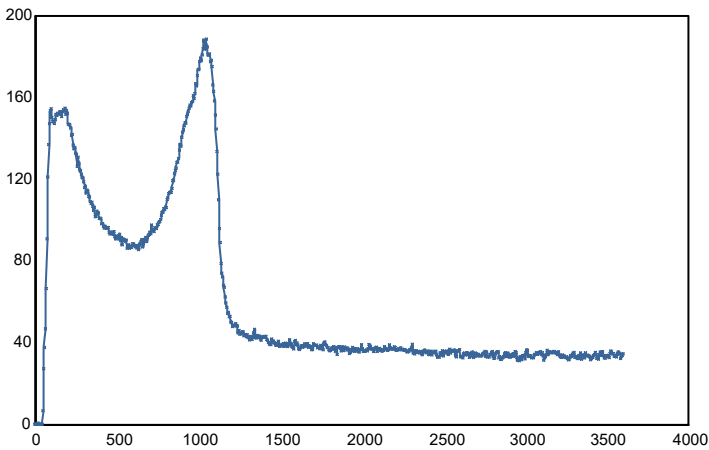
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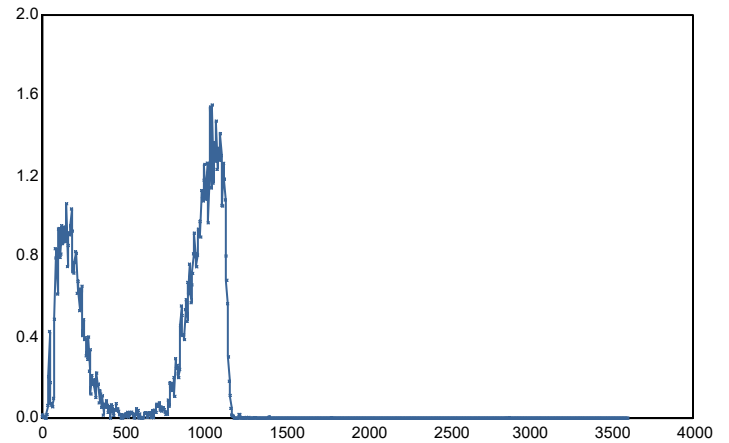
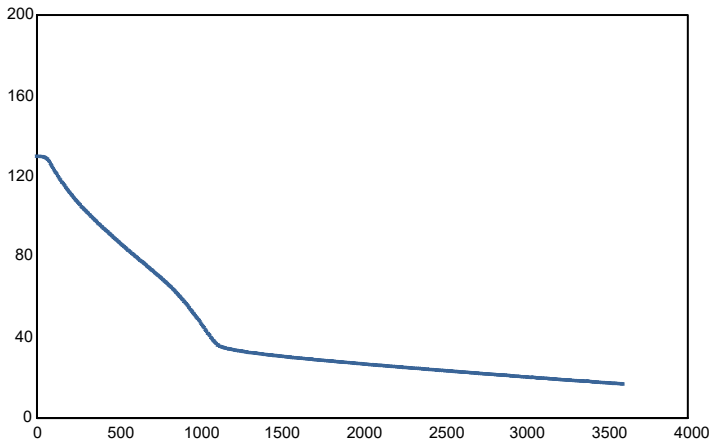
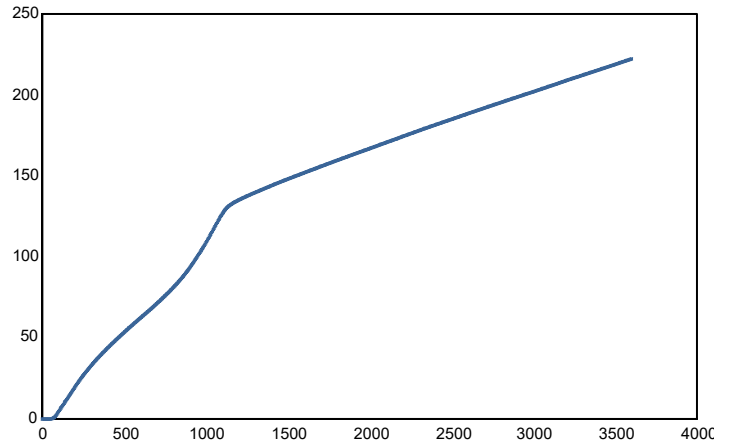
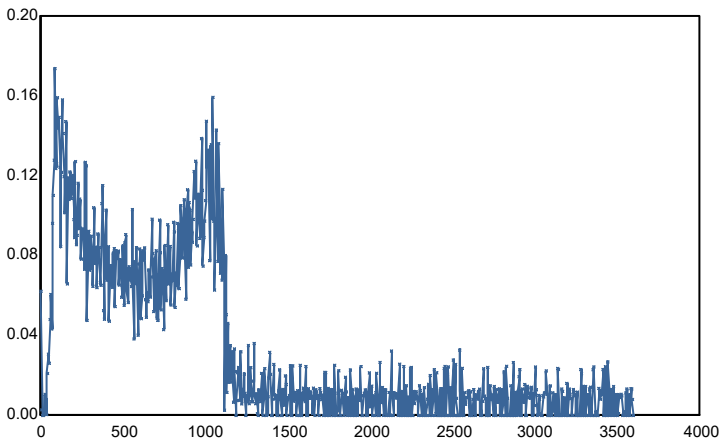
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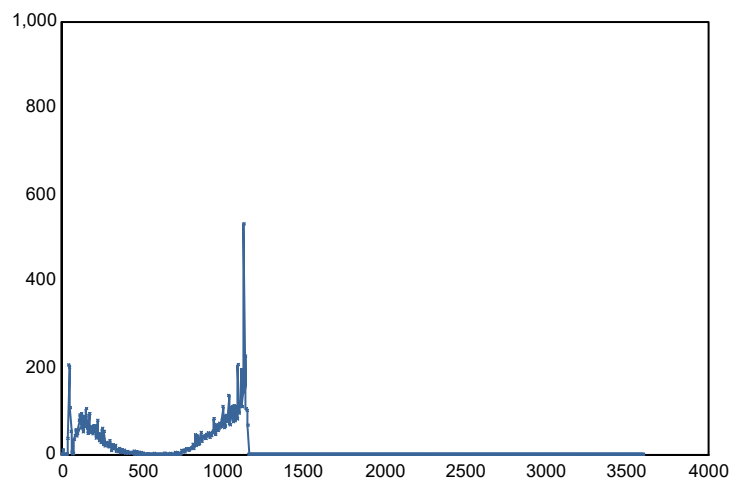
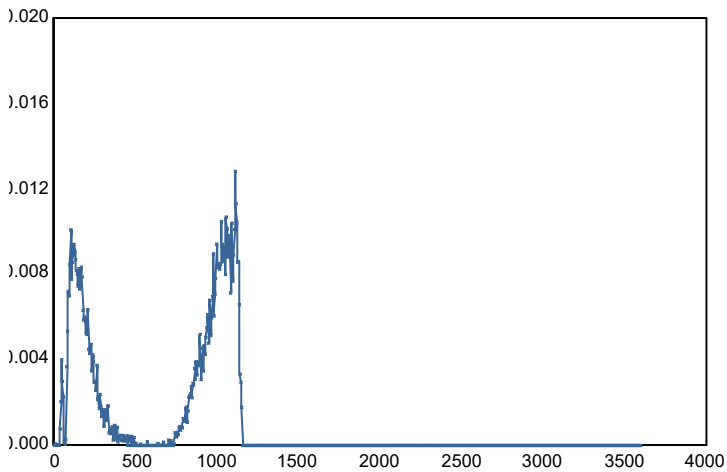
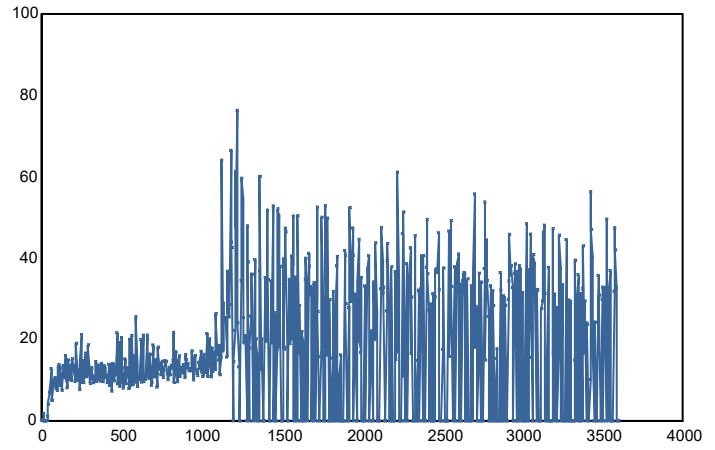
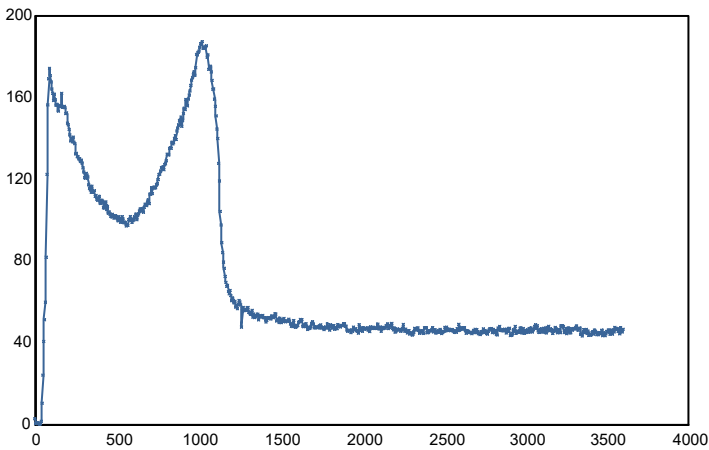
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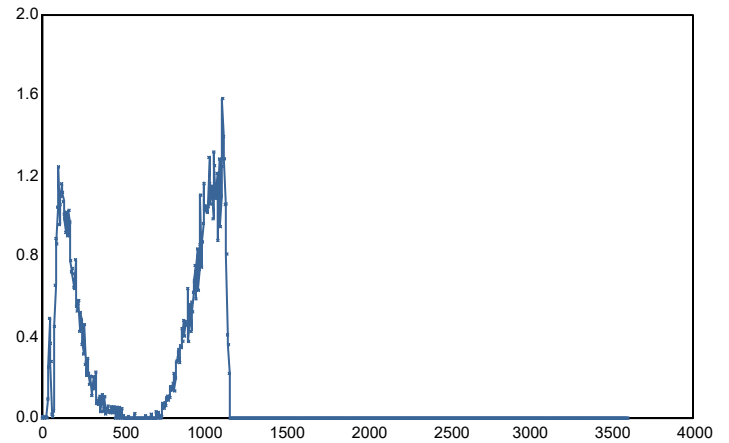
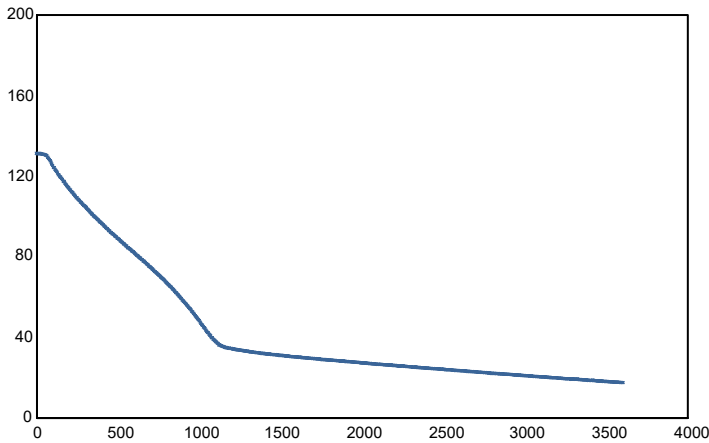
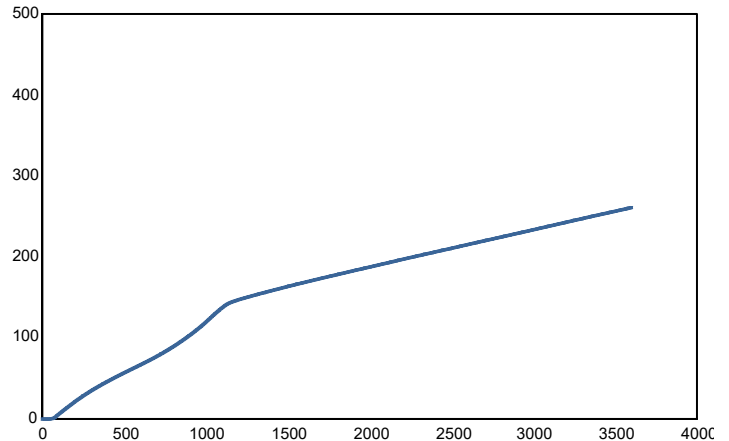
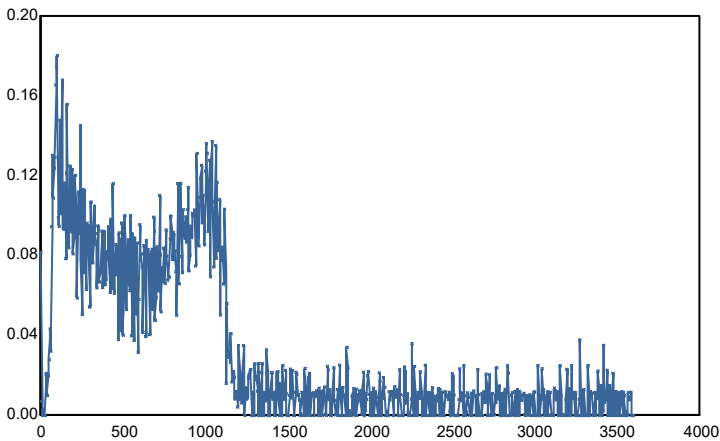
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