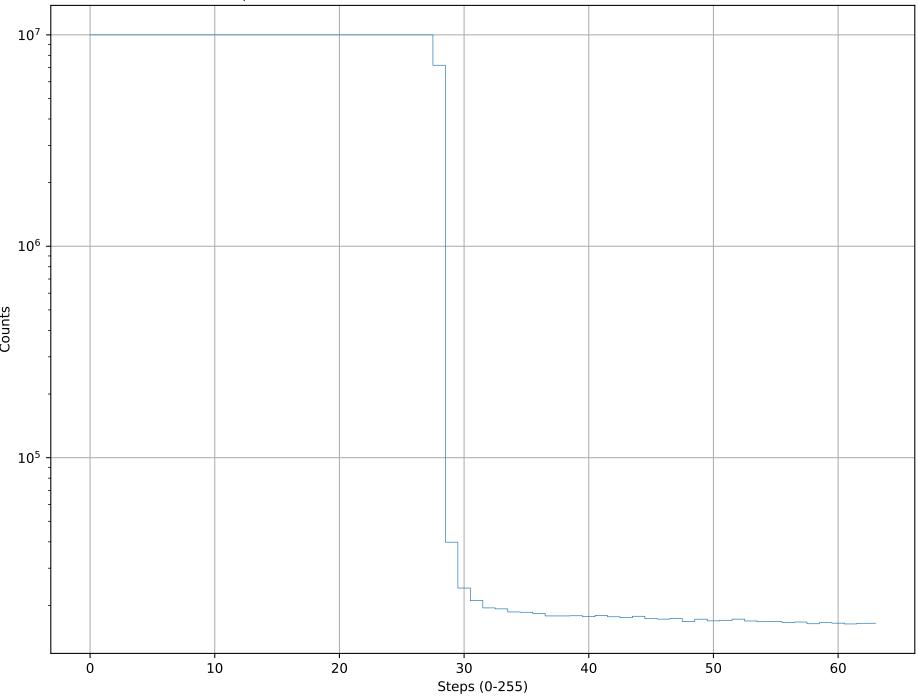
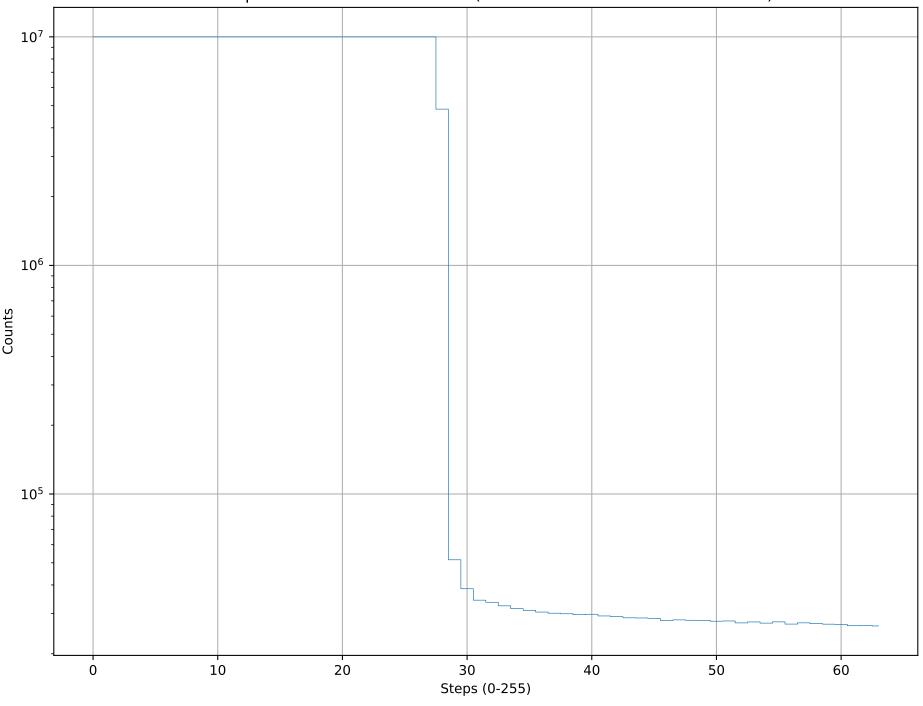
SIN Spectrum of PMT: A Anode: 1 (UART: 4 FEB: 1 CHIP: 4 CHANNEL: 7)



SIN Spectrum of PMT: A Anode: 2 (UART: 4 FEB: 1 CHIP: 4 CHANNEL: 6)



SIN Spectrum of PMT: A Anode: 3 (UART: 4 FEB: 1 CHIP: 5 CHANNEL: 0) 10^{7} 10^{6} 10^{5}

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Steps (0-255)

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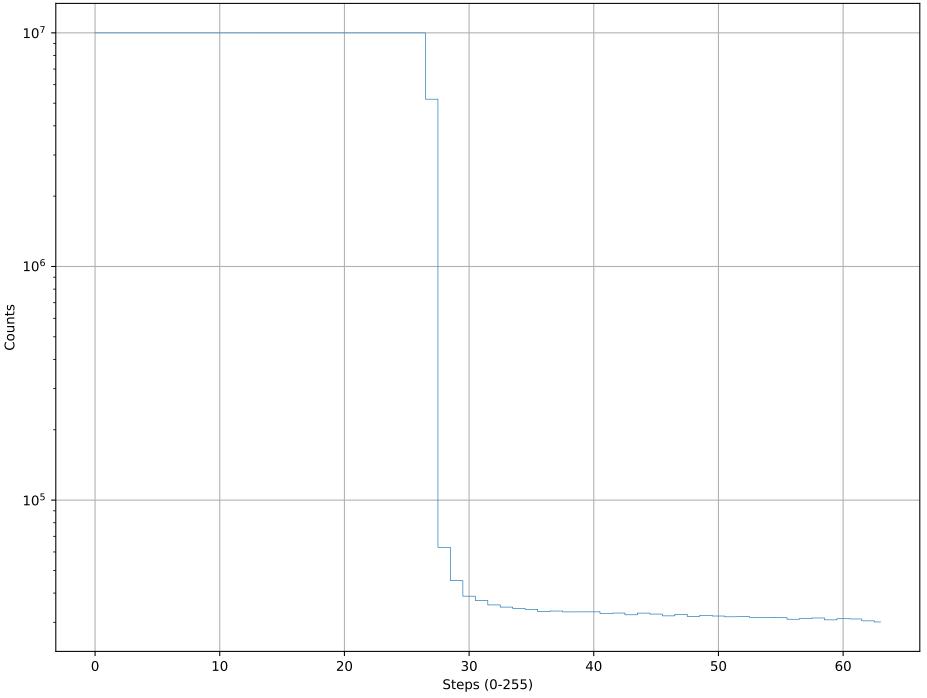
60

10

0

20

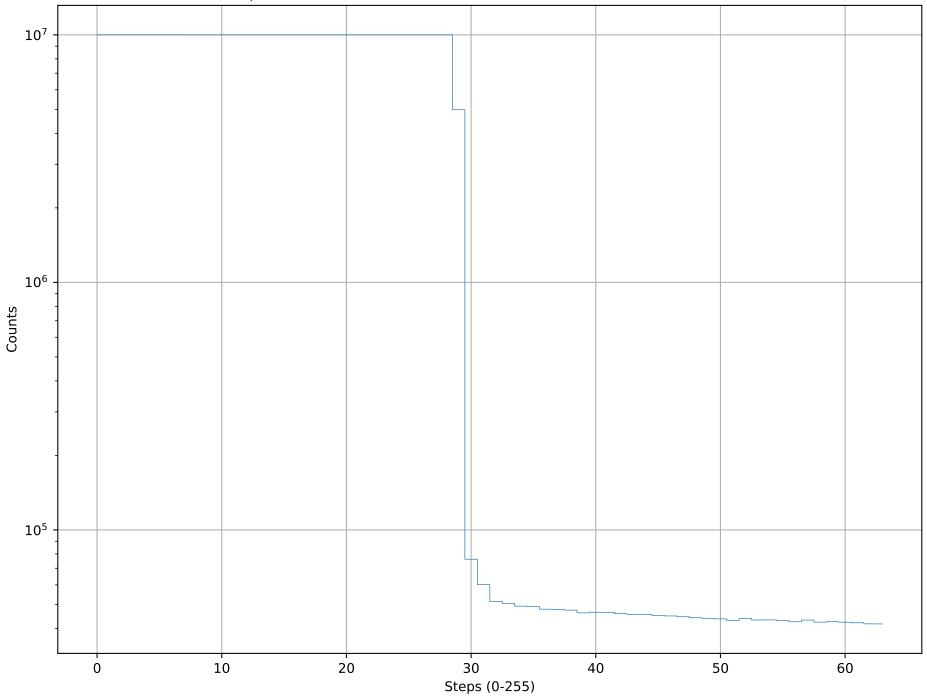
SIN Spectrum of PMT: A Anode: 4 (UART: 4 FEB: 1 CHIP: 5 CHANNEL: 1)



SIN Spectrum of PMT: A Anode: 5 (UART: 4 FEB: 0 CHIP: 4 CHANNEL: 6) 10^{7} 10^{6} 10⁵ 10 20 50 30 40 60 0

Steps (0-255)

SIN Spectrum of PMT: A Anode: 6 (UART: 4 FEB: 0 CHIP: 4 CHANNEL: 7)



SIN Spectrum of PMT: A Anode: 7 (UART: 4 FEB: 0 CHIP: 5 CHANNEL: 1) 10^{7} 10^{6} 10^{5}

30

Steps (0-255)

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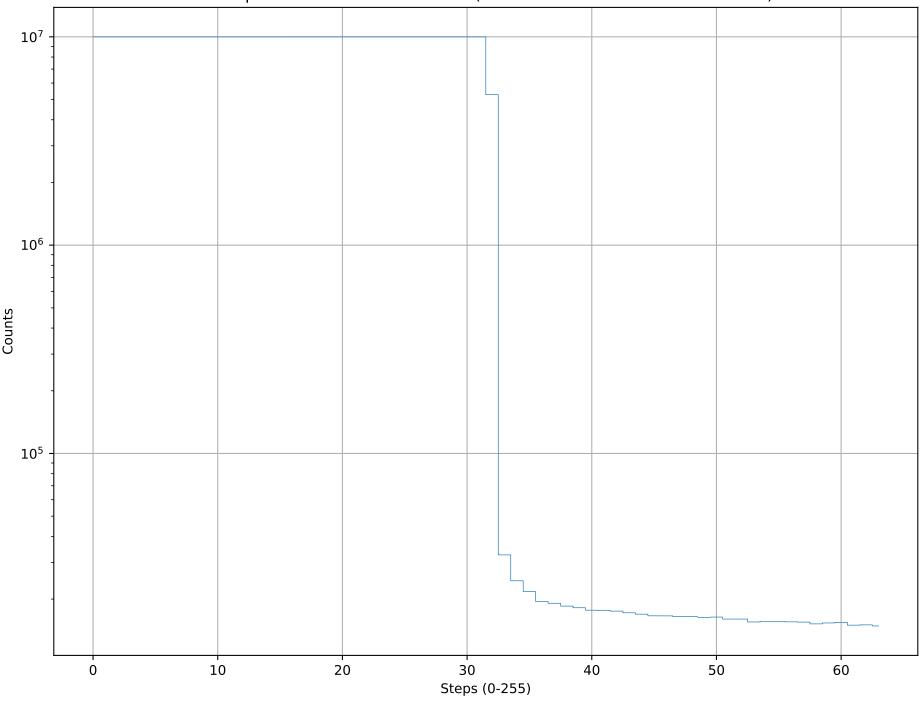
60

10

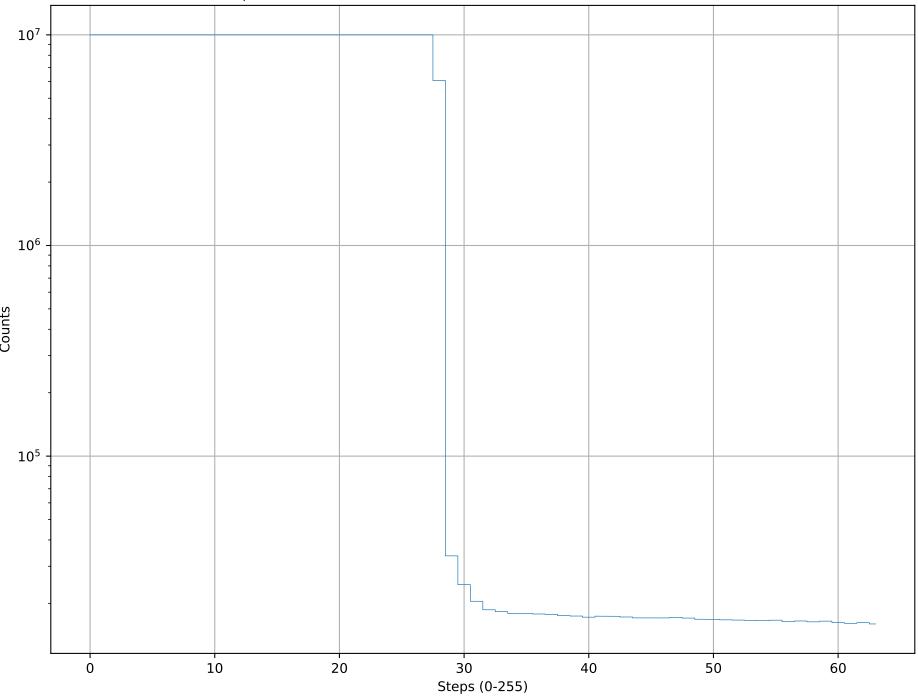
0

20

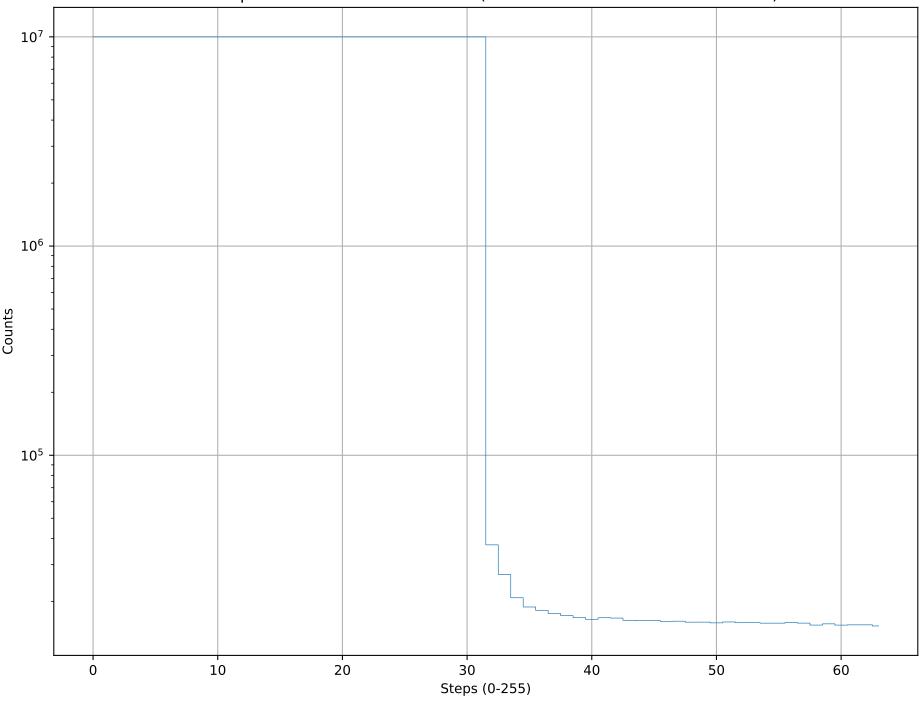
SIN Spectrum of PMT: A Anode: 8 (UART: 4 FEB: 0 CHIP: 5 CHANNEL: 0)



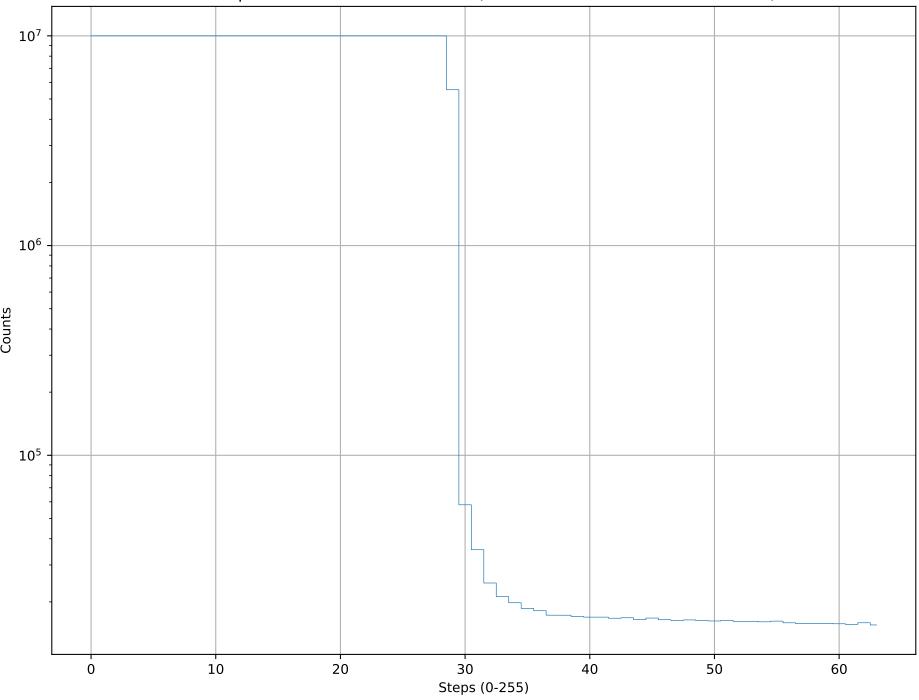
SIN Spectrum of PMT: A Anode: 9 (UART: 4 FEB: 1 CHIP: 4 CHANNEL: 5)



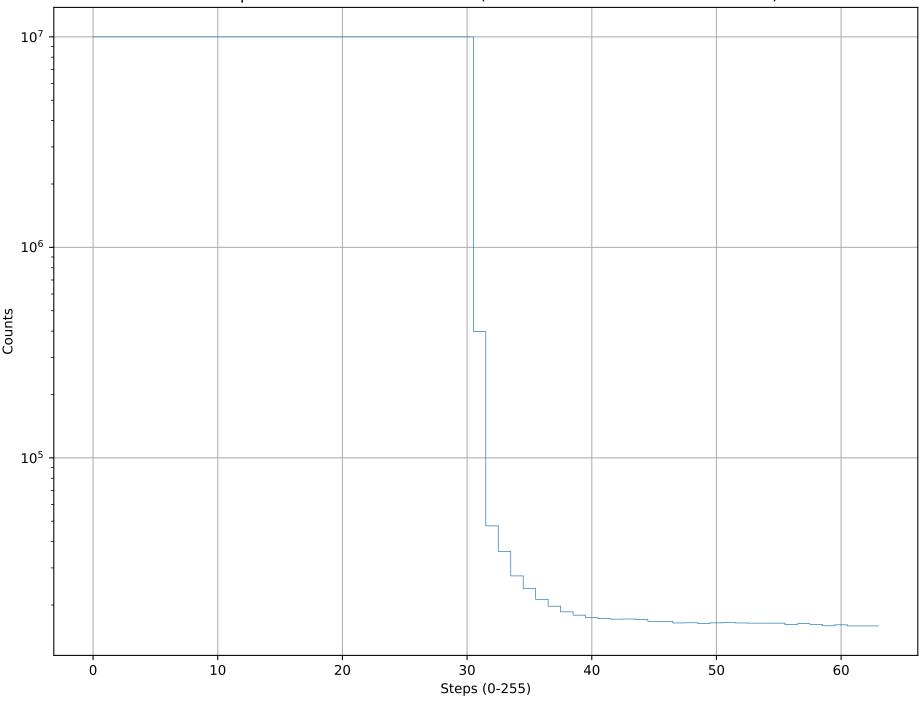
SIN Spectrum of PMT: A Anode: 10 (UART: 4 FEB: 1 CHIP: 4 CHANNEL: 4)



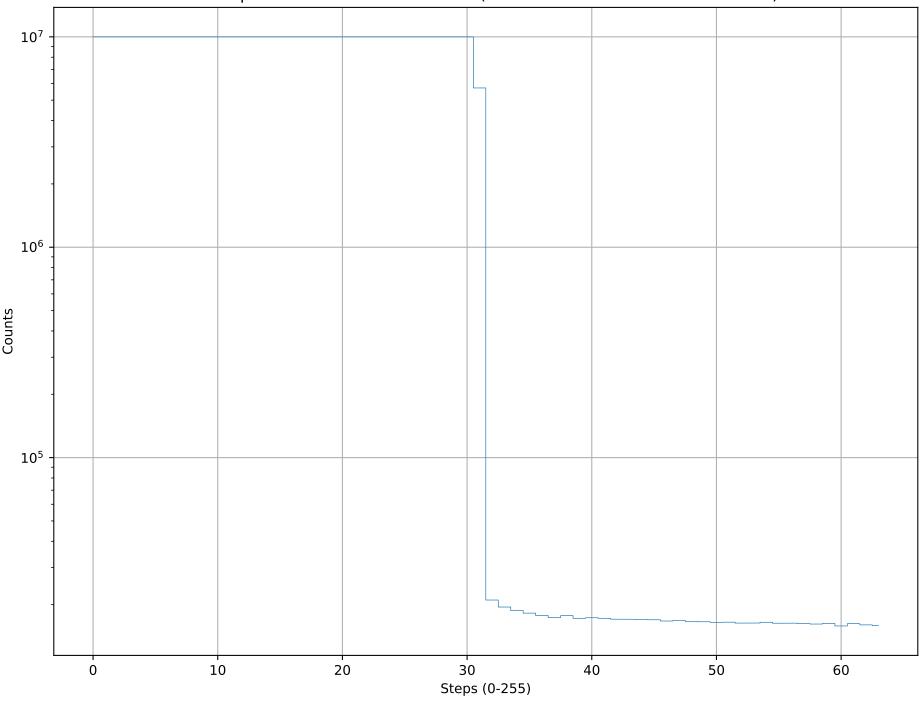
SIN Spectrum of PMT: A Anode: 11 (UART: 4 FEB: 1 CHIP: 5 CHANNEL: 2)



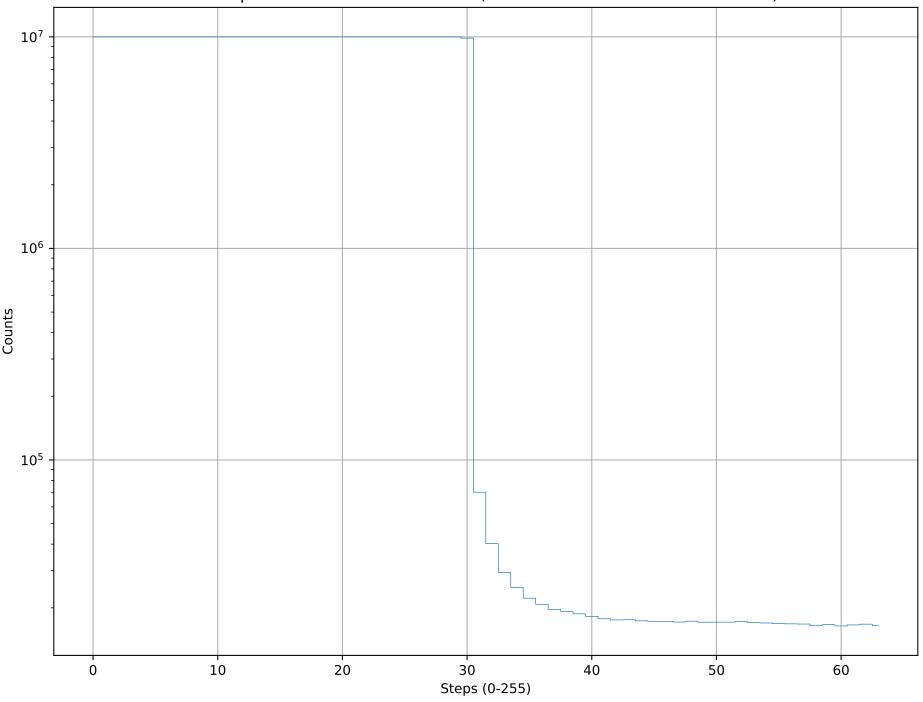
SIN Spectrum of PMT: A Anode: 12 (UART: 4 FEB: 1 CHIP: 5 CHANNEL: 3)



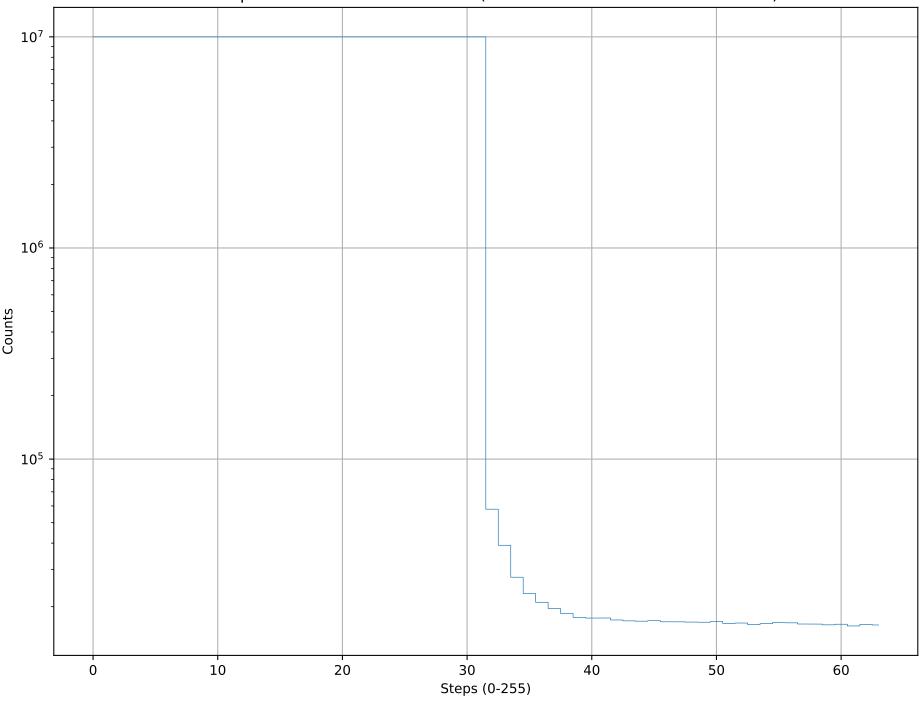
SIN Spectrum of PMT: A Anode: 13 (UART: 4 FEB: 0 CHIP: 4 CHANNEL: 4)



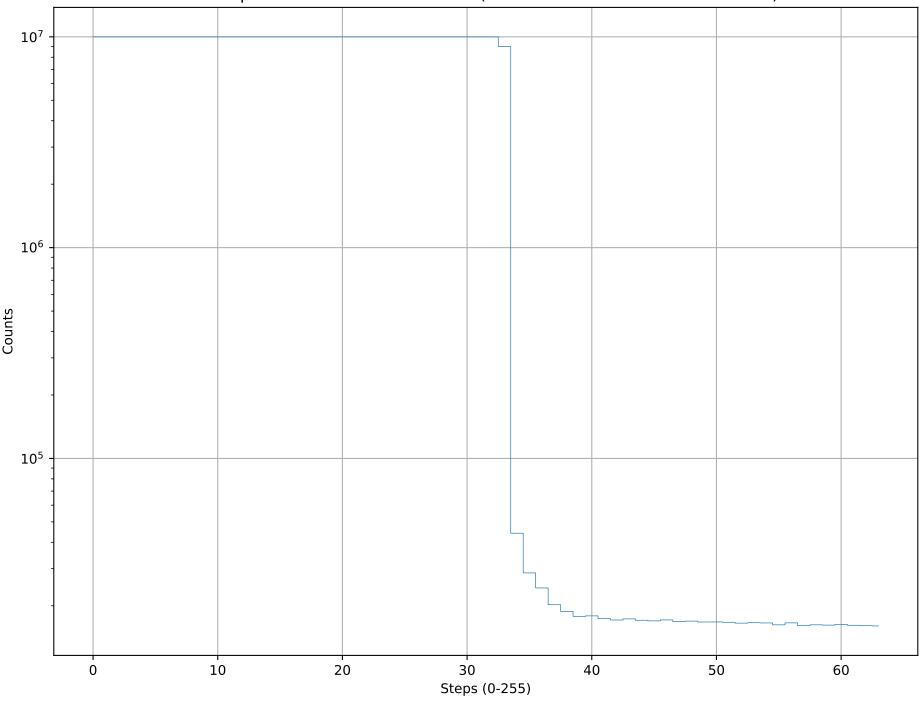
SIN Spectrum of PMT: A Anode: 14 (UART: 4 FEB: 0 CHIP: 4 CHANNEL: 5)



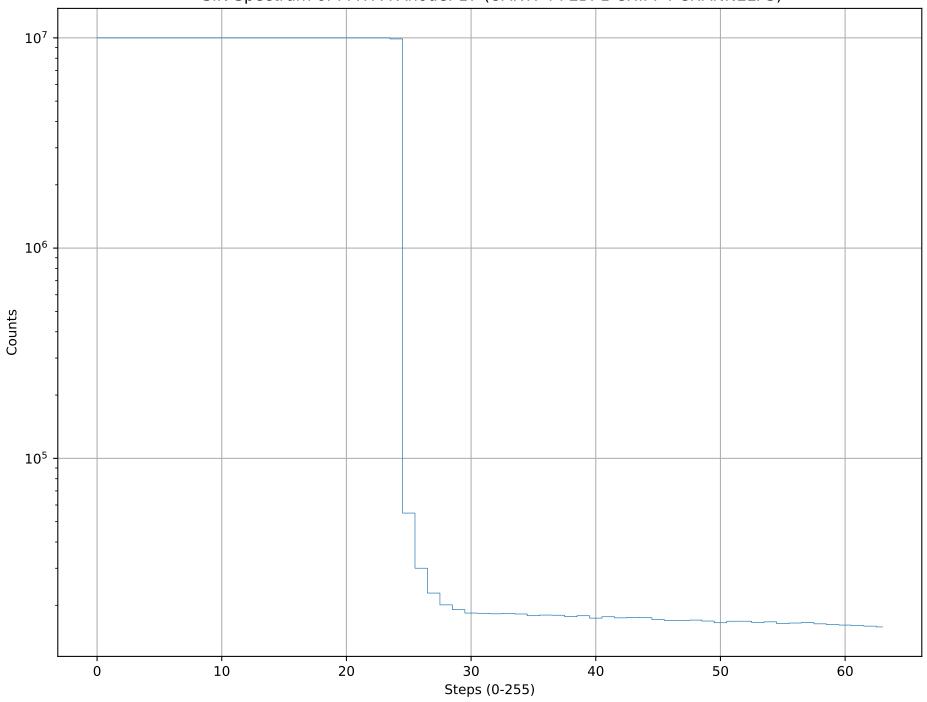
SIN Spectrum of PMT: A Anode: 15 (UART: 4 FEB: 0 CHIP: 5 CHANNEL: 3)



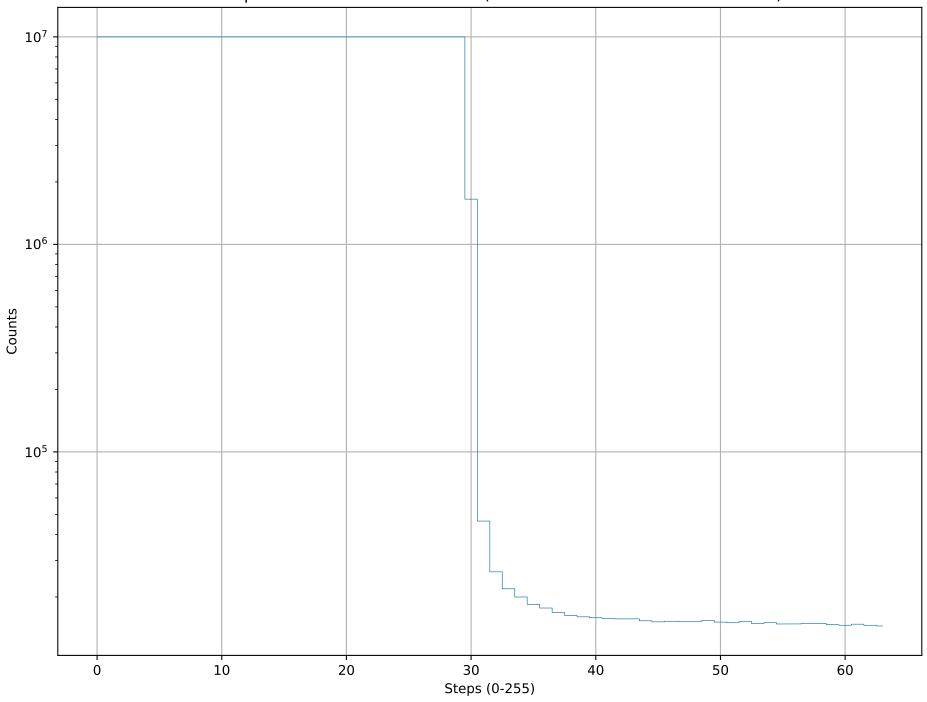
SIN Spectrum of PMT: A Anode: 16 (UART: 4 FEB: 0 CHIP: 5 CHANNEL: 2)



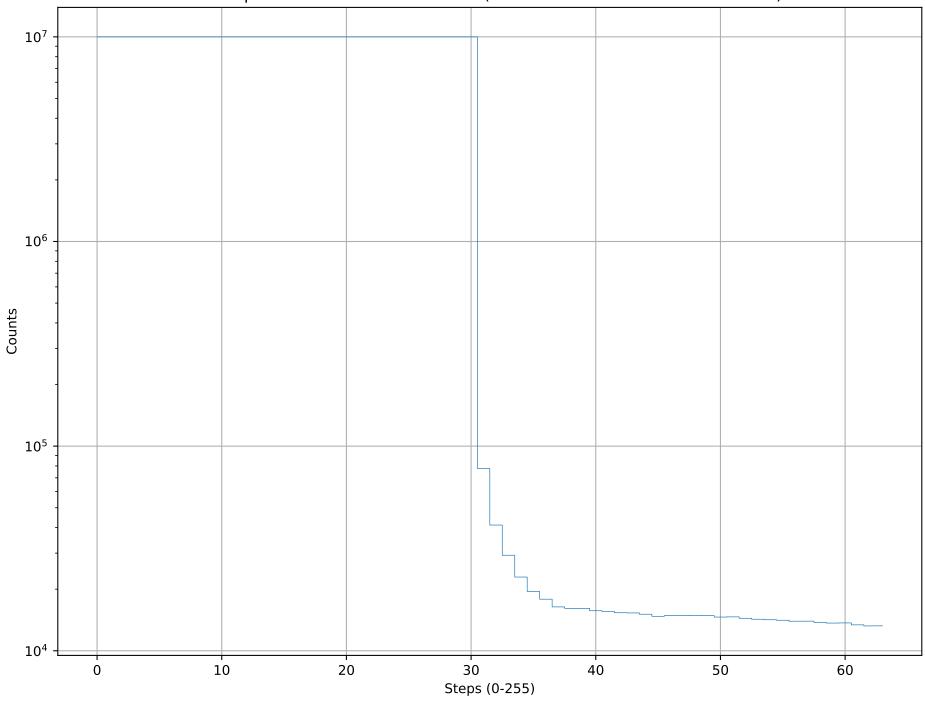
SIN Spectrum of PMT: A Anode: 17 (UART: 4 FEB: 1 CHIP: 4 CHANNEL: 3)



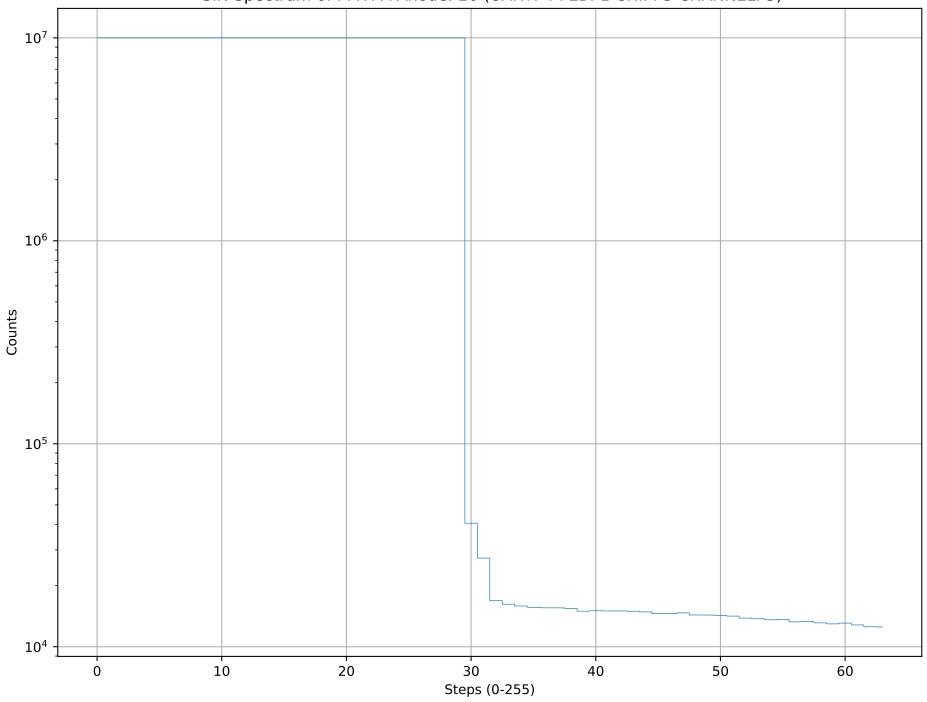
SIN Spectrum of PMT: A Anode: 18 (UART: 4 FEB: 1 CHIP: 4 CHANNEL: 2)



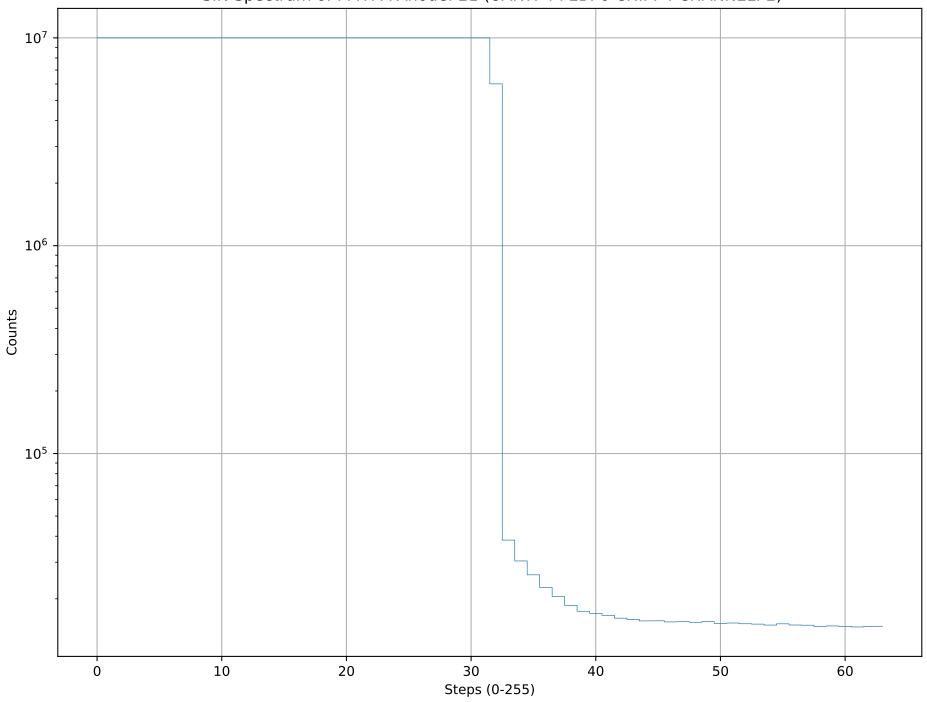
SIN Spectrum of PMT: A Anode: 19 (UART: 4 FEB: 1 CHIP: 5 CHANNEL: 4)



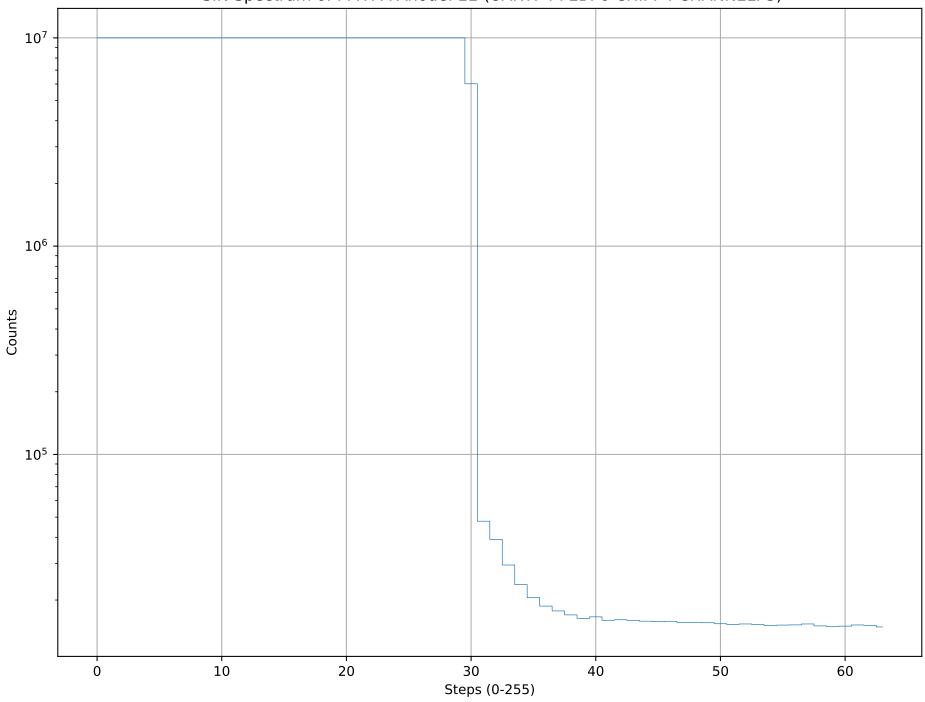
SIN Spectrum of PMT: A Anode: 20 (UART: 4 FEB: 1 CHIP: 5 CHANNEL: 5)



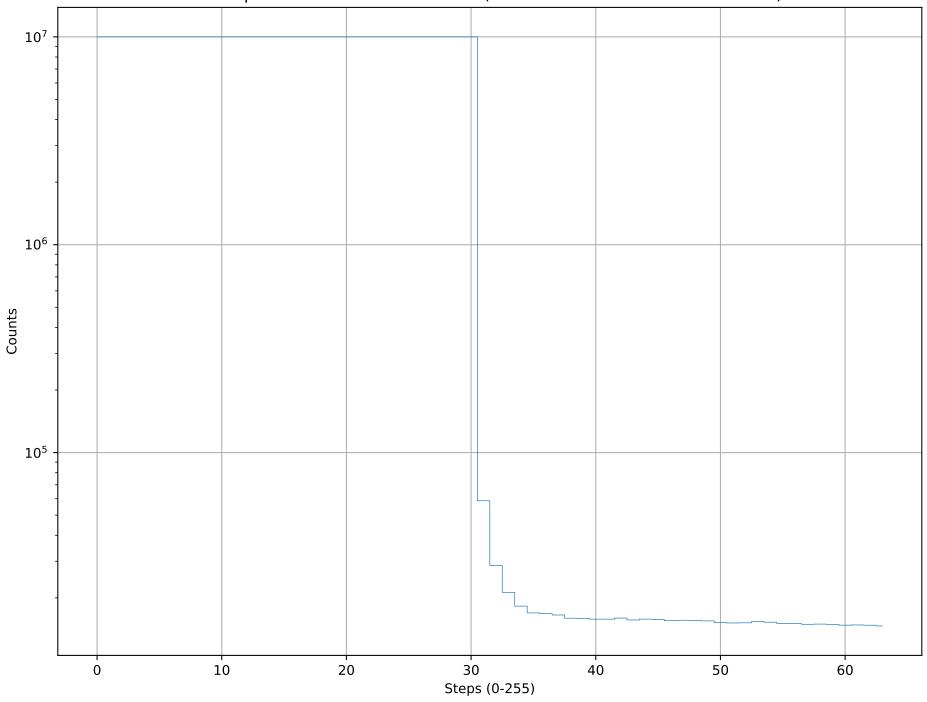
SIN Spectrum of PMT: A Anode: 21 (UART: 4 FEB: 0 CHIP: 4 CHANNEL: 2)



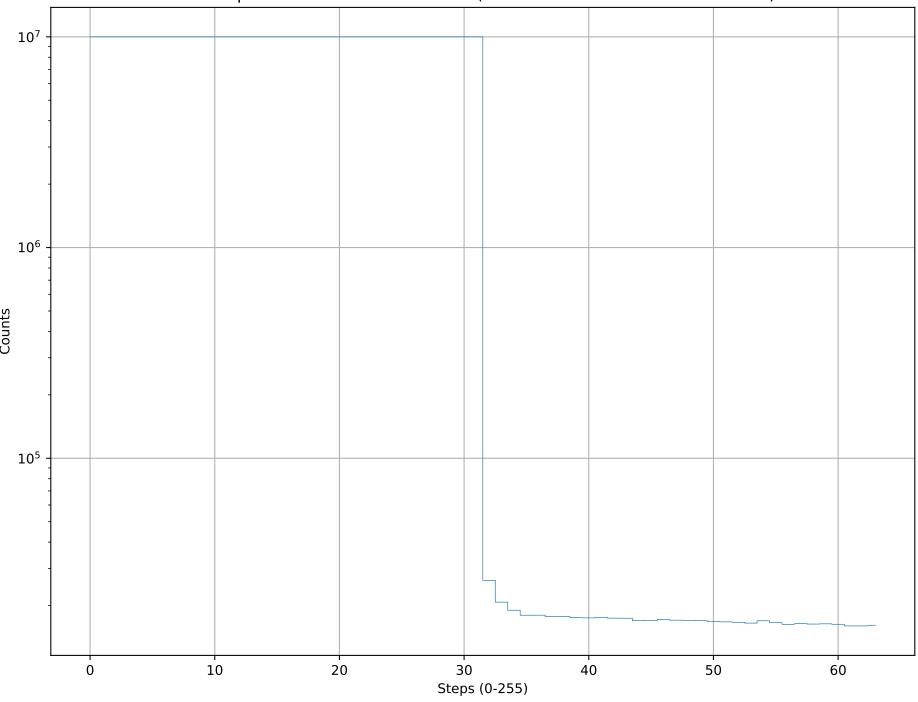
SIN Spectrum of PMT: A Anode: 22 (UART: 4 FEB: 0 CHIP: 4 CHANNEL: 3)



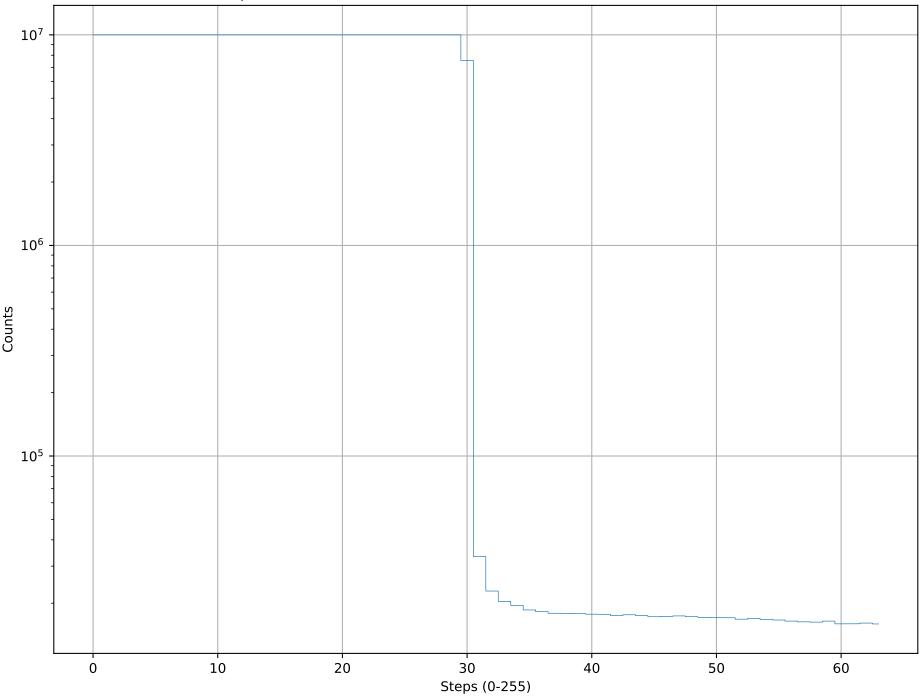
SIN Spectrum of PMT: A Anode: 23 (UART: 4 FEB: 0 CHIP: 5 CHANNEL: 5)



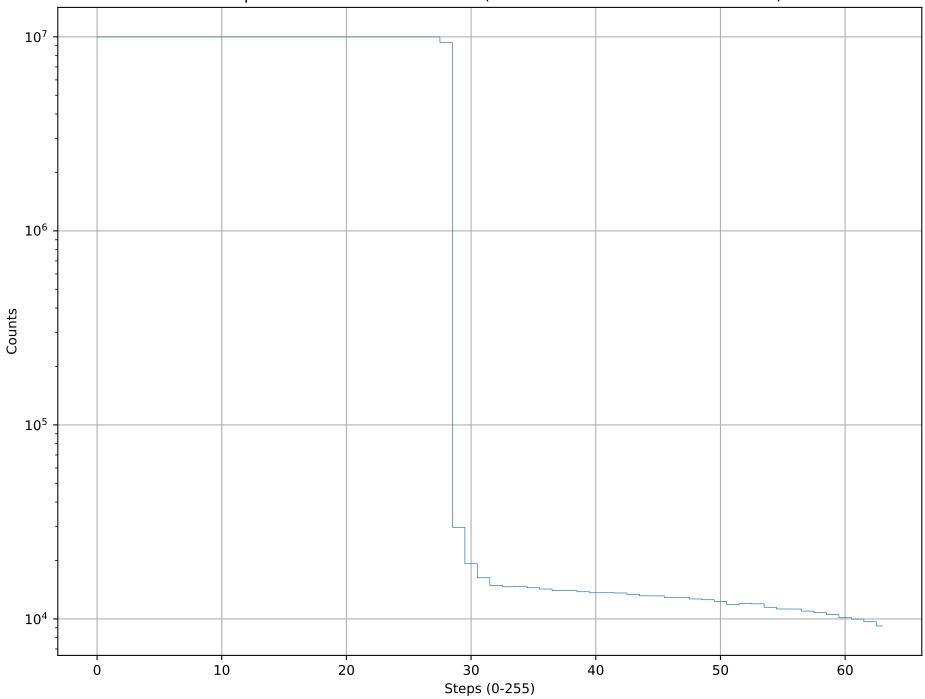
SIN Spectrum of PMT: A Anode: 24 (UART: 4 FEB: 0 CHIP: 5 CHANNEL: 4)



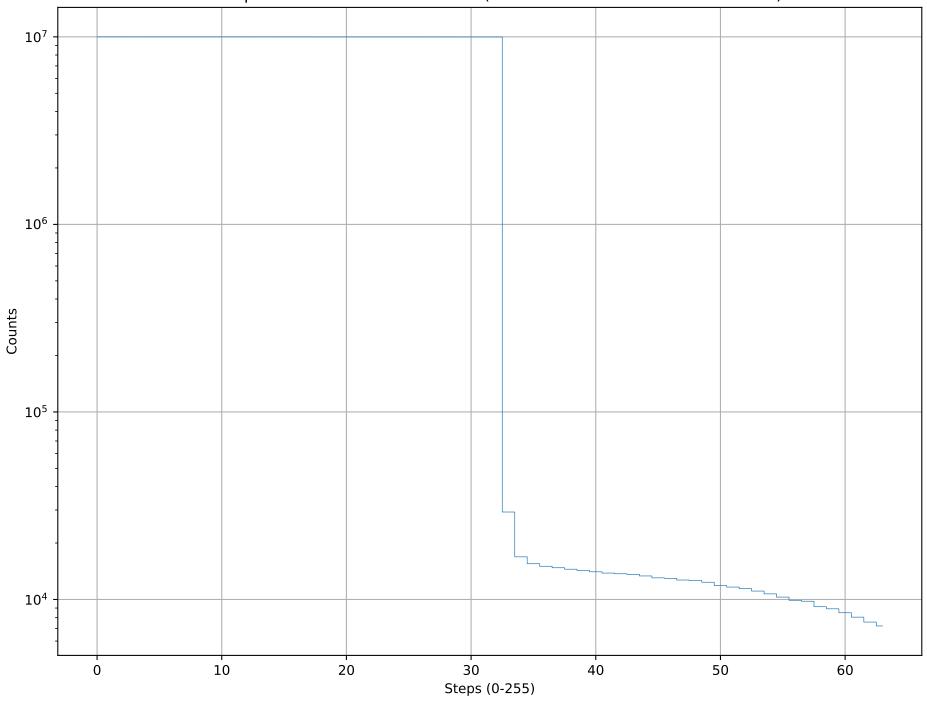
SIN Spectrum of PMT: A Anode: 25 (UART: 4 FEB: 1 CHIP: 4 CHANNEL: 1)



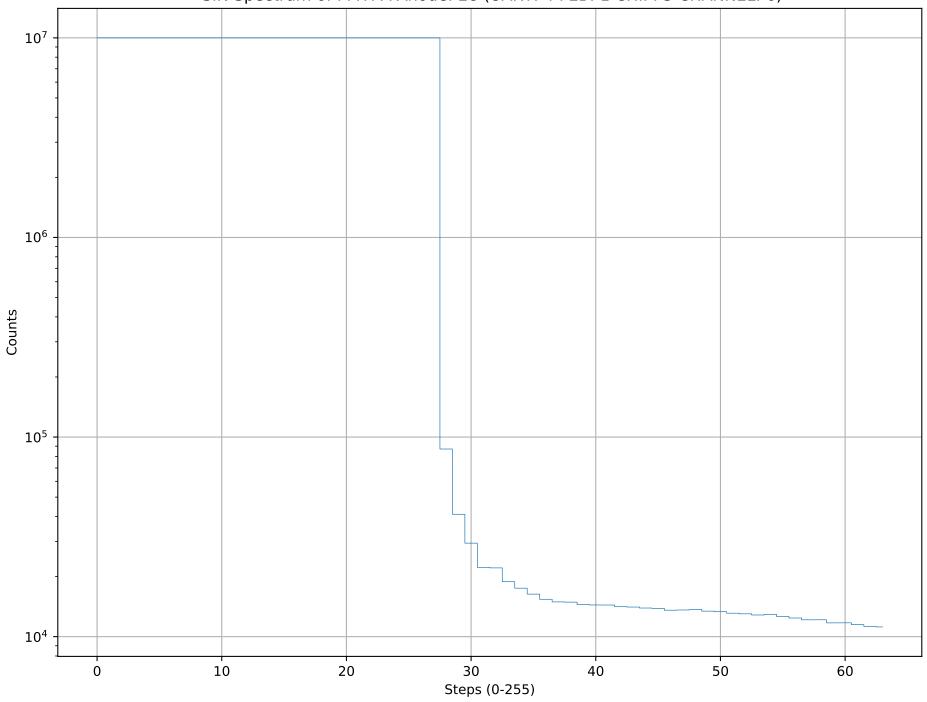
SIN Spectrum of PMT: A Anode: 26 (UART: 4 FEB: 1 CHIP: 4 CHANNEL: 0)



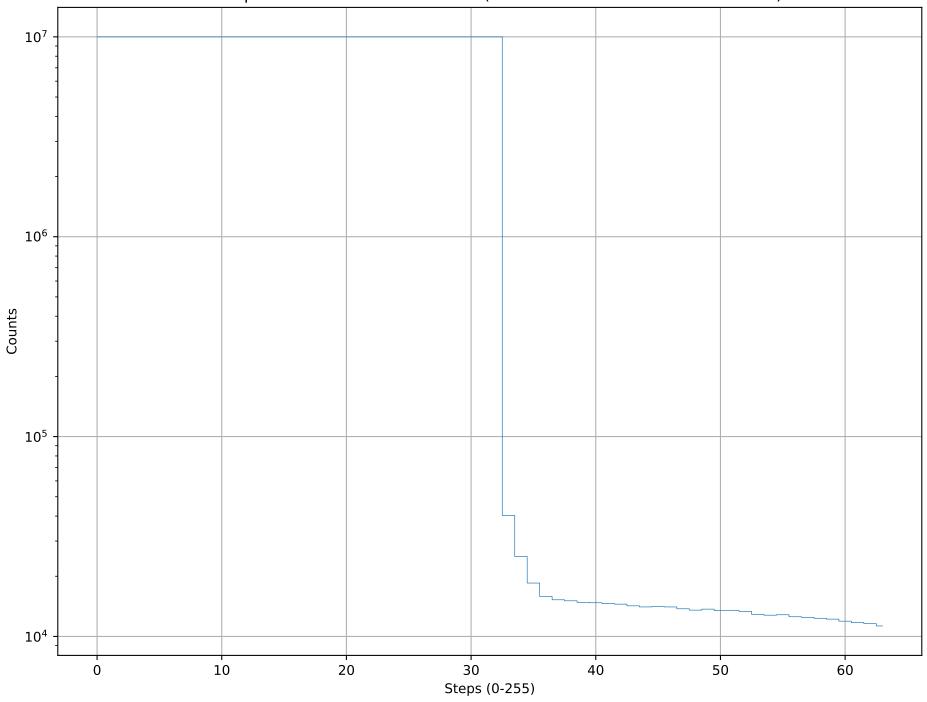
SIN Spectrum of PMT: A Anode: 27 (UART: 4 FEB: 1 CHIP: 5 CHANNEL: 7)



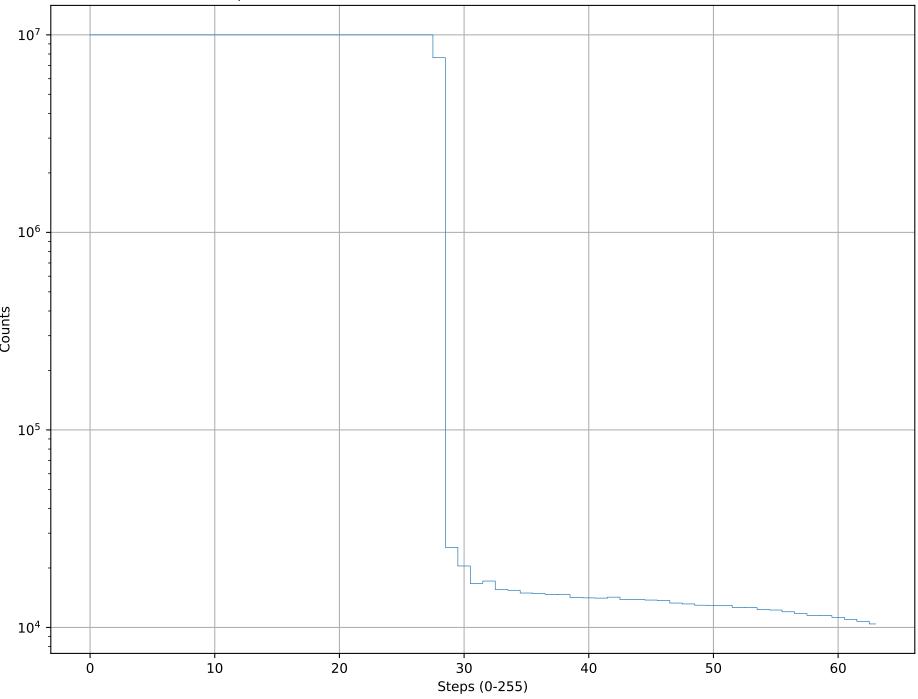
SIN Spectrum of PMT: A Anode: 28 (UART: 4 FEB: 1 CHIP: 5 CHANNEL: 6)



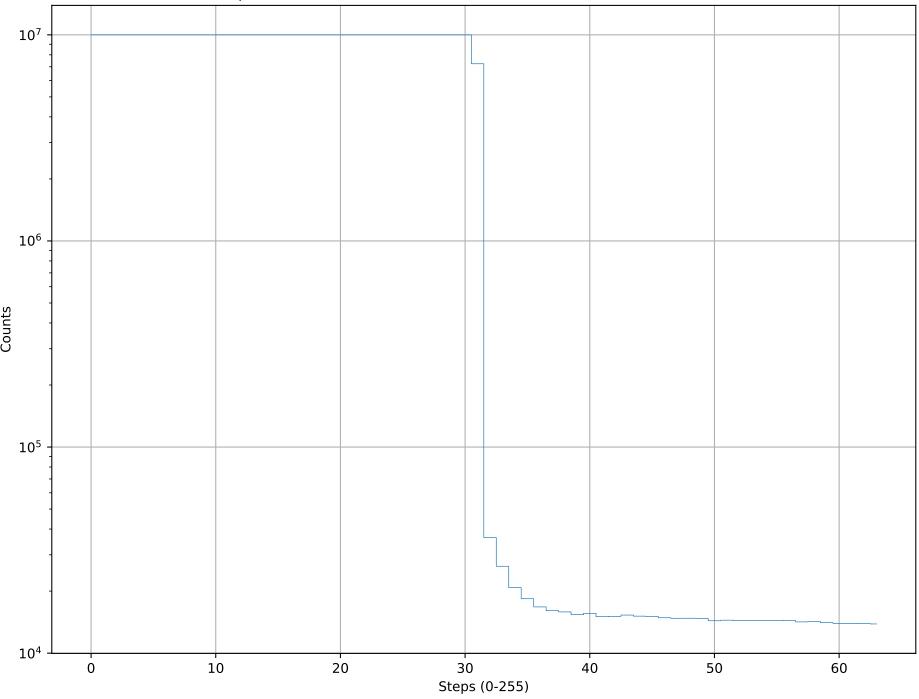
SIN Spectrum of PMT: A Anode: 29 (UART: 4 FEB: 0 CHIP: 4 CHANNEL: 1)



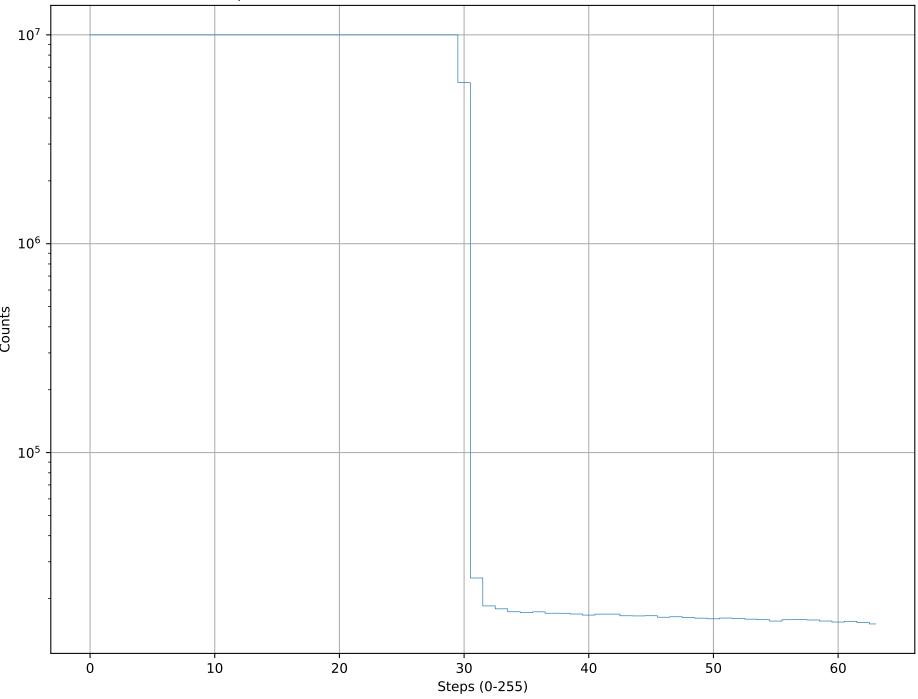
SIN Spectrum of PMT: A Anode: 30 (UART: 4 FEB: 0 CHIP: 4 CHANNEL: 0)



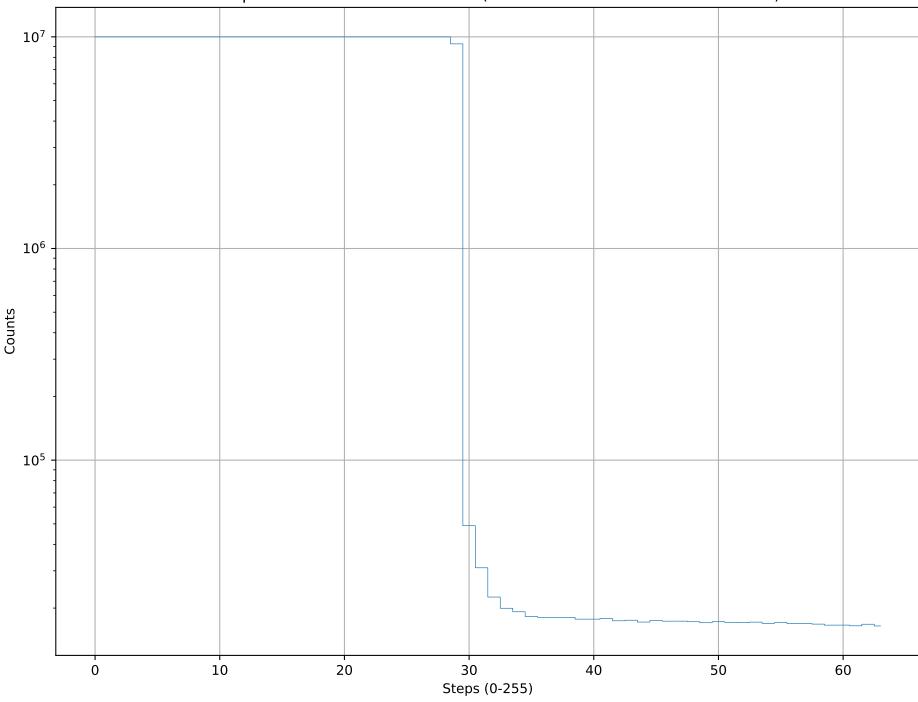
SIN Spectrum of PMT: A Anode: 31 (UART: 4 FEB: 0 CHIP: 5 CHANNEL: 7)



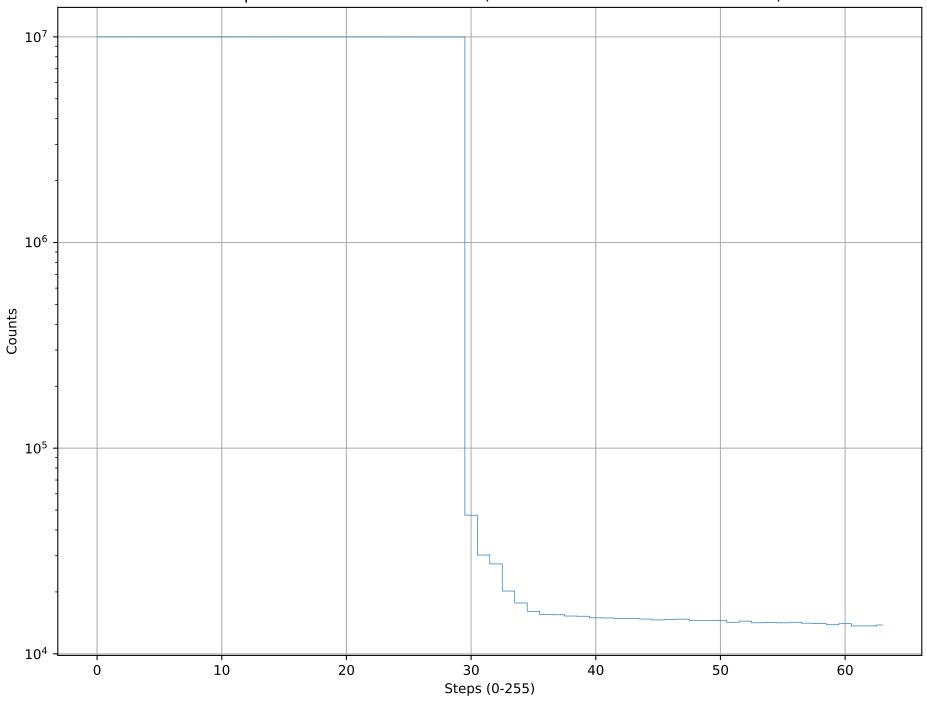
SIN Spectrum of PMT: A Anode: 32 (UART: 4 FEB: 0 CHIP: 5 CHANNEL: 6)



SIN Spectrum of PMT: A Anode: 33 (UART: 4 FEB: 1 CHIP: 6 CHANNEL: 6)



SIN Spectrum of PMT: A Anode: 34 (UART: 4 FEB: 1 CHIP: 6 CHANNEL: 7)



SIN Spectrum of PMT: A Anode: 35 (UART: 4 FEB: 1 CHIP: 7 CHANNEL: 1) 10^{7} 10^{6} Counts 10⁵

30

Steps (0-255)

40

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60

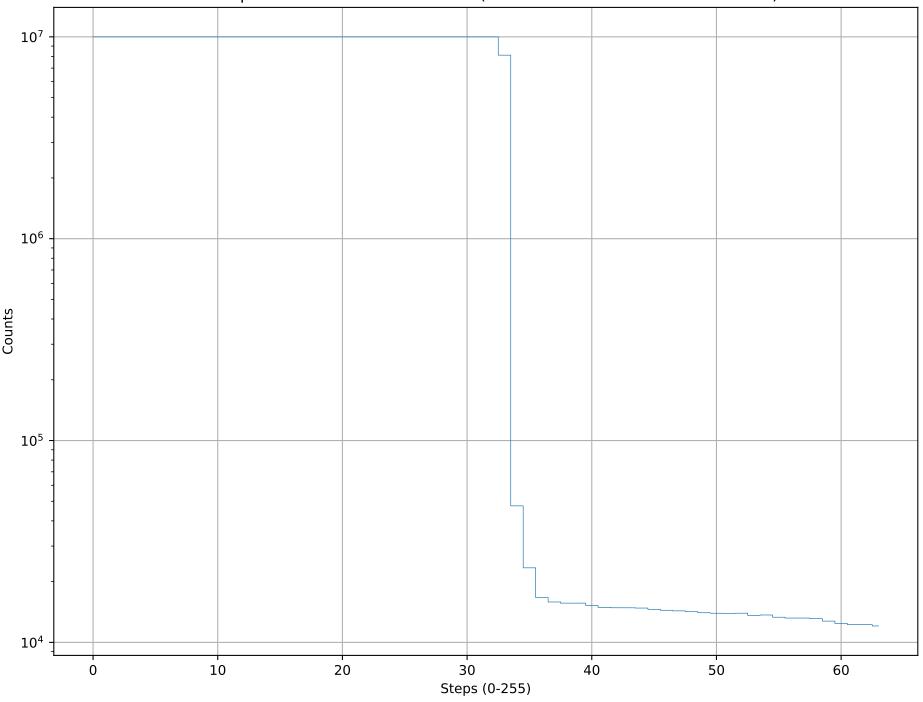
 10^{4}

Ó

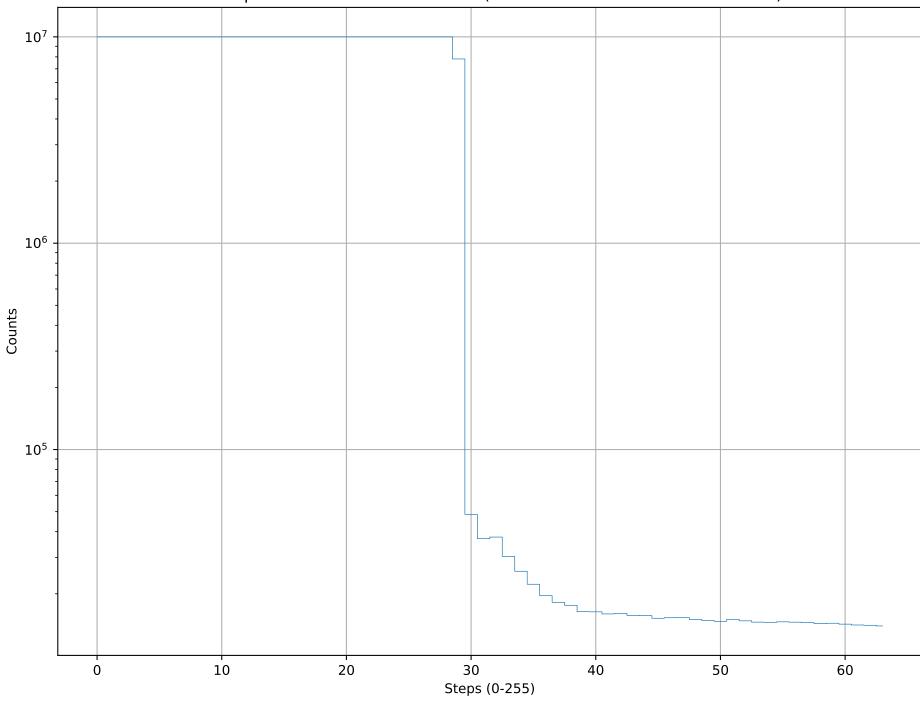
10

20

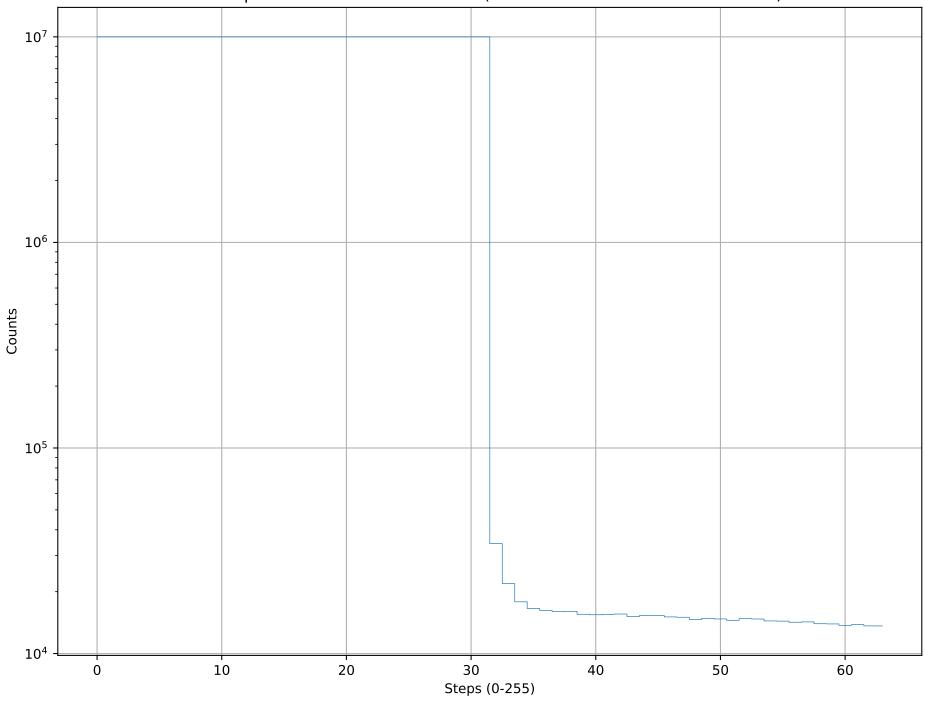
SIN Spectrum of PMT: A Anode: 36 (UART: 4 FEB: 1 CHIP: 7 CHANNEL: 0)



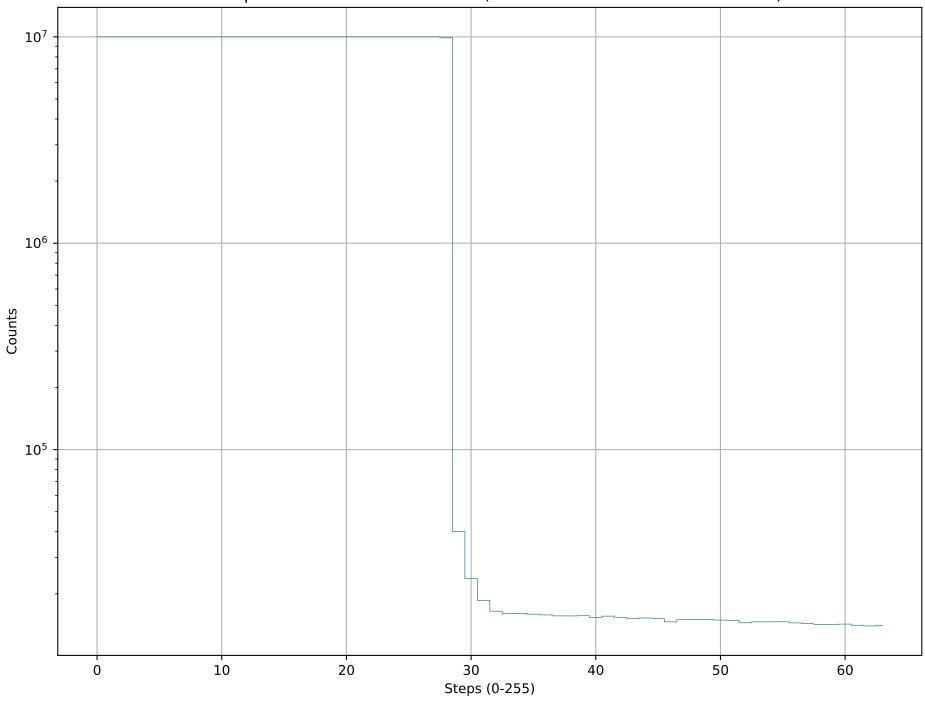
SIN Spectrum of PMT: A Anode: 37 (UART: 4 FEB: 0 CHIP: 6 CHANNEL: 7)



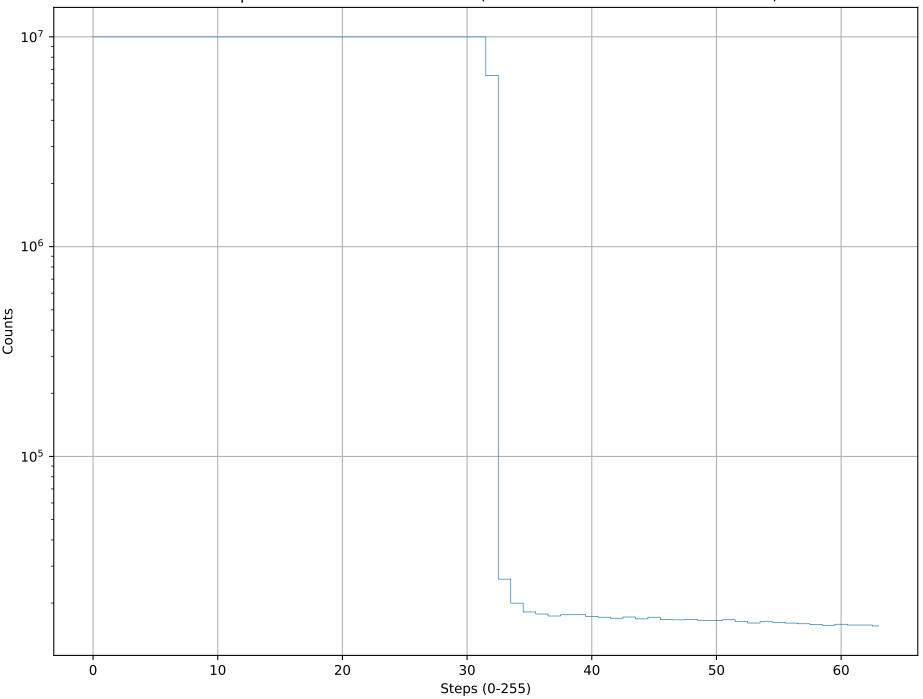
SIN Spectrum of PMT: A Anode: 38 (UART: 4 FEB: 0 CHIP: 6 CHANNEL: 6)



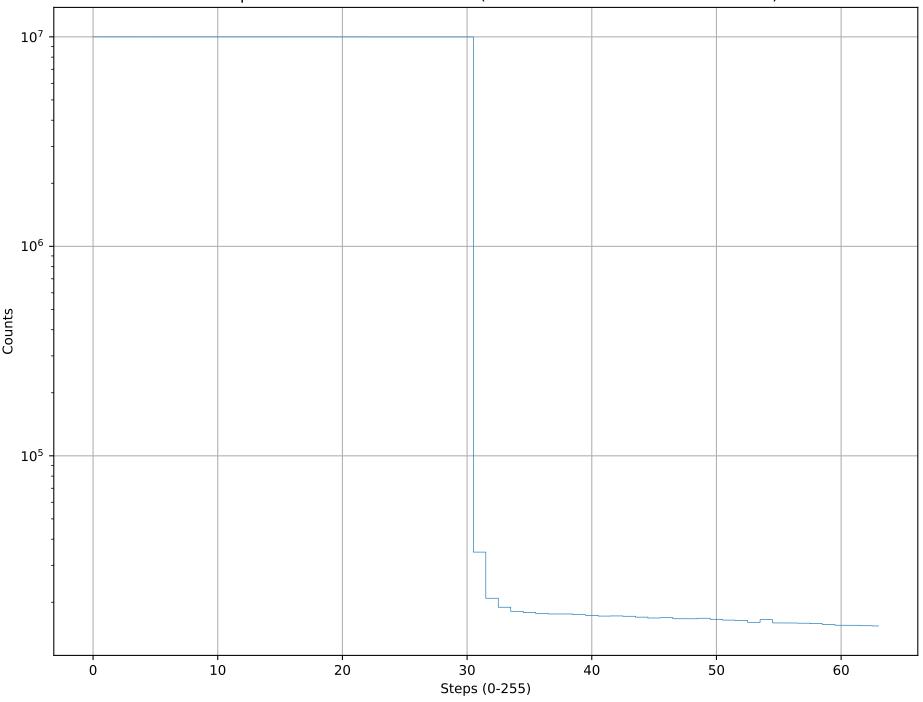
SIN Spectrum of PMT: A Anode: 39 (UART: 4 FEB: 0 CHIP: 7 CHANNEL: 0)



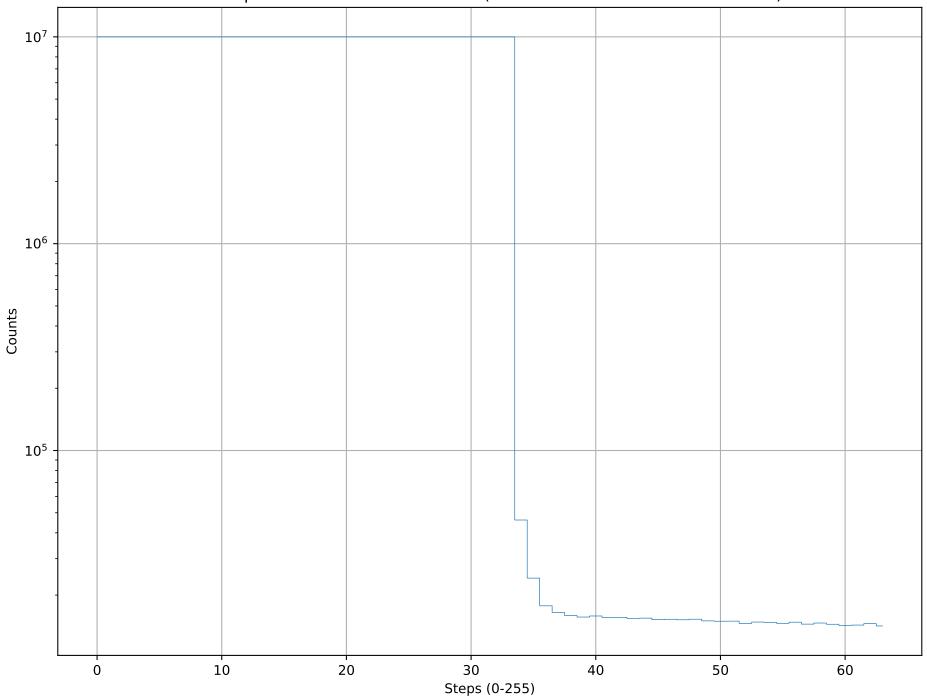
SIN Spectrum of PMT: A Anode: 40 (UART: 4 FEB: 0 CHIP: 7 CHANNEL: 1)



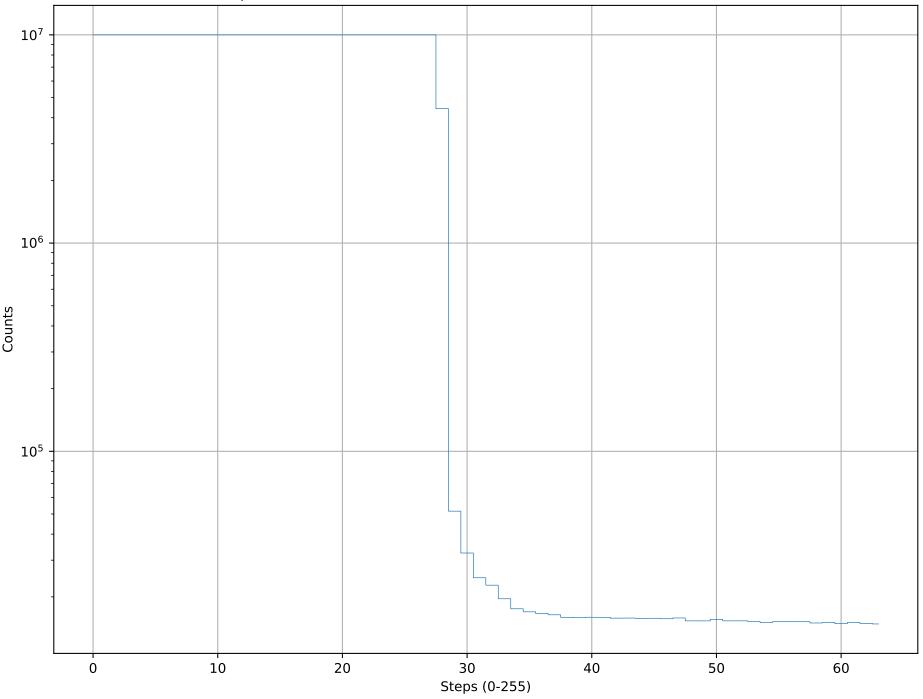
SIN Spectrum of PMT: A Anode: 41 (UART: 4 FEB: 1 CHIP: 6 CHANNEL: 4)



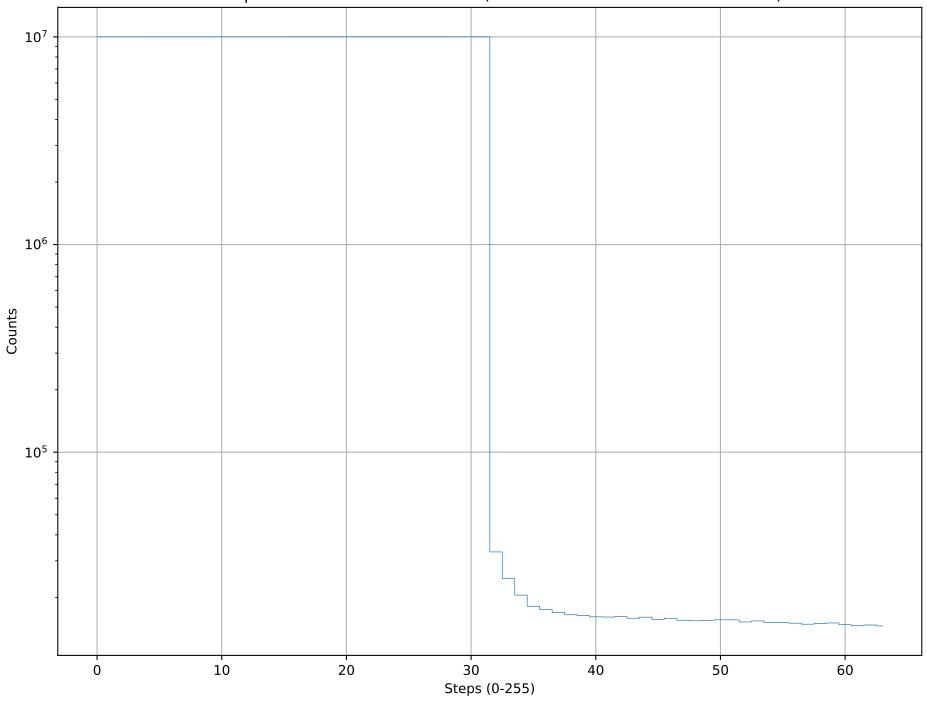
SIN Spectrum of PMT: A Anode: 42 (UART: 4 FEB: 1 CHIP: 6 CHANNEL: 5)



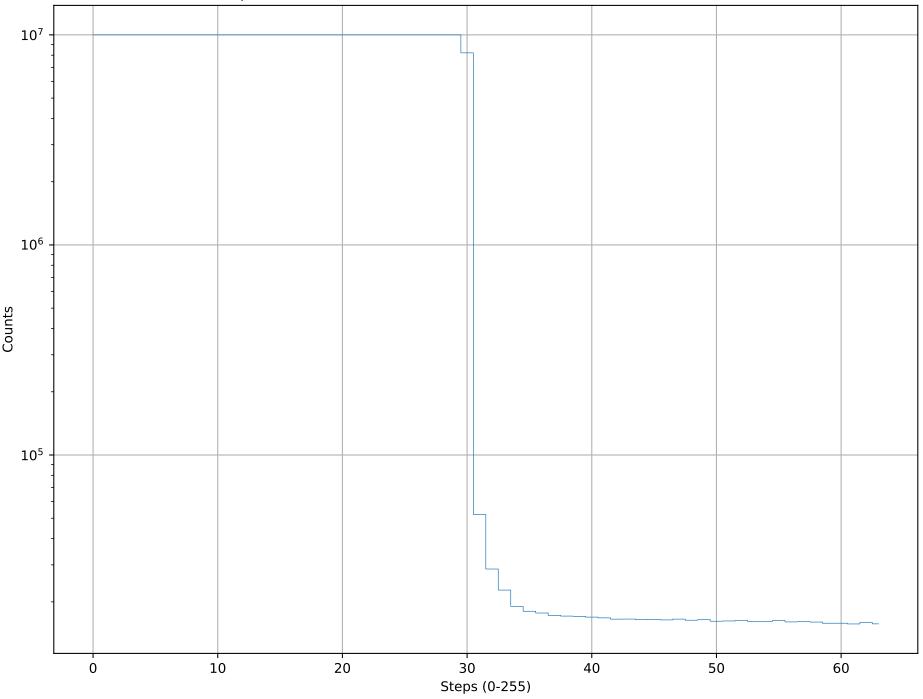
SIN Spectrum of PMT: A Anode: 43 (UART: 4 FEB: 1 CHIP: 7 CHANNEL: 3)



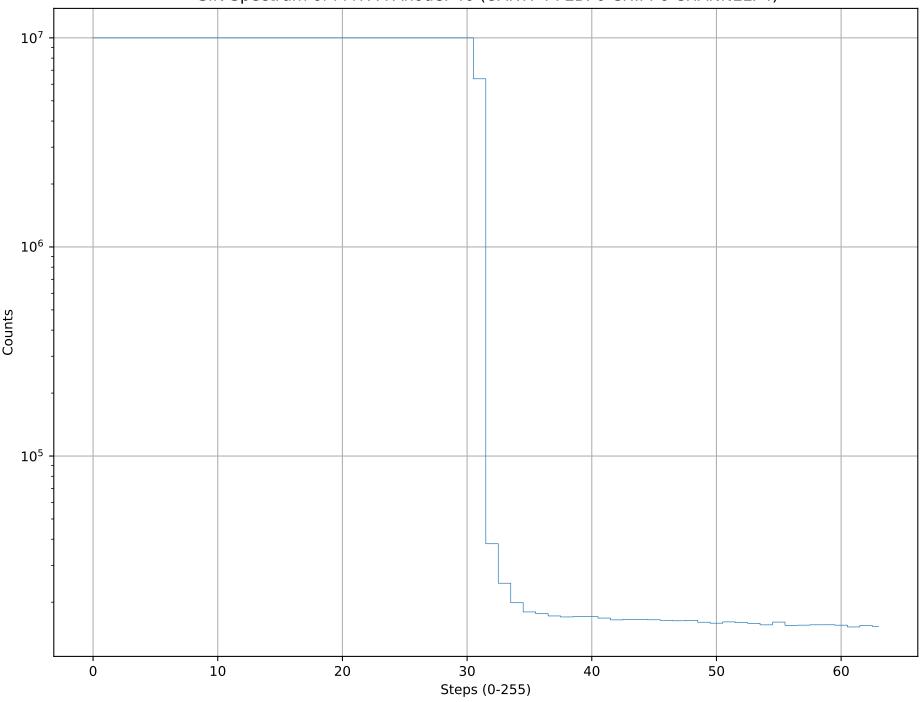
SIN Spectrum of PMT: A Anode: 44 (UART: 4 FEB: 1 CHIP: 7 CHANNEL: 2)



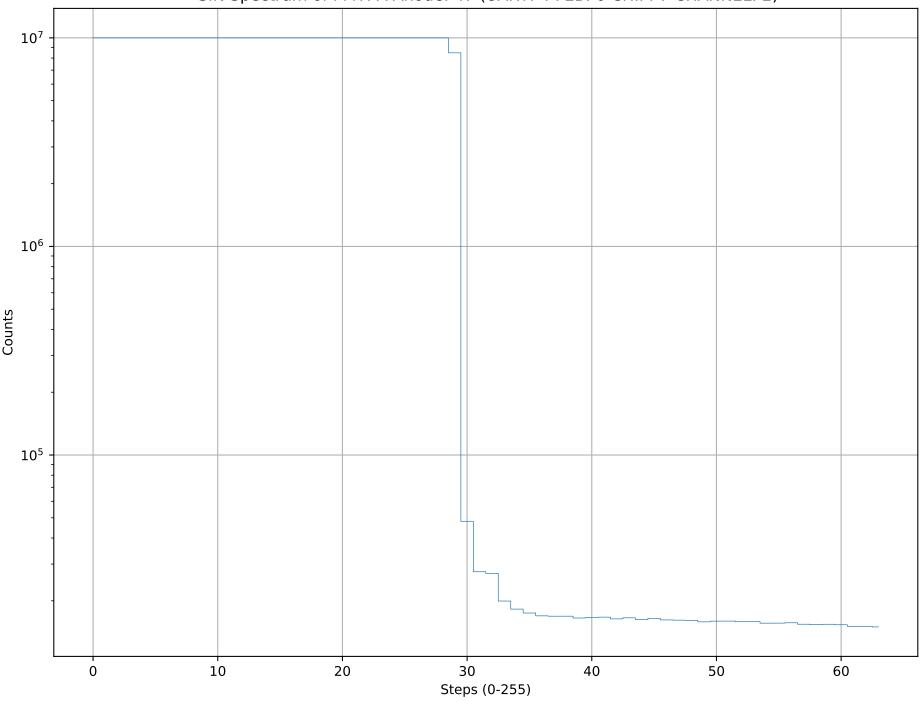
SIN Spectrum of PMT: A Anode: 45 (UART: 4 FEB: 0 CHIP: 6 CHANNEL: 5)



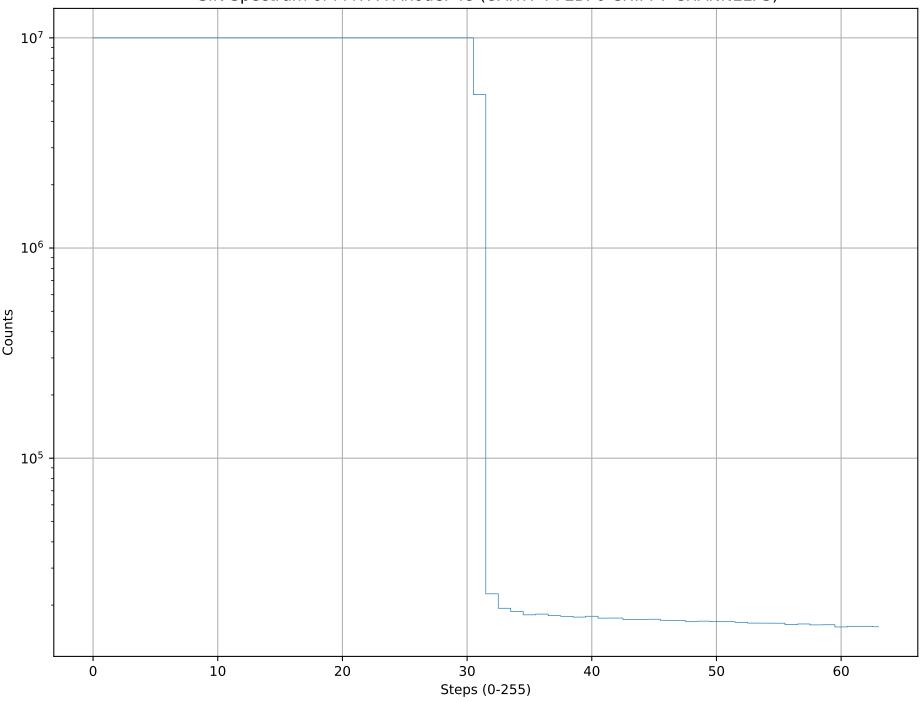
SIN Spectrum of PMT: A Anode: 46 (UART: 4 FEB: 0 CHIP: 6 CHANNEL: 4)



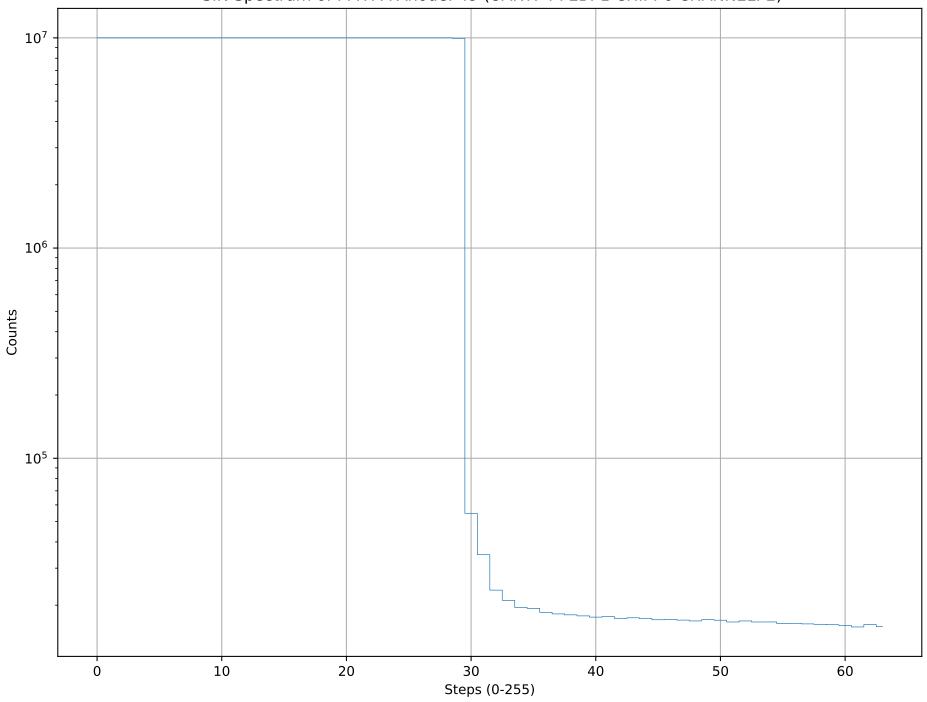
SIN Spectrum of PMT: A Anode: 47 (UART: 4 FEB: 0 CHIP: 7 CHANNEL: 2)



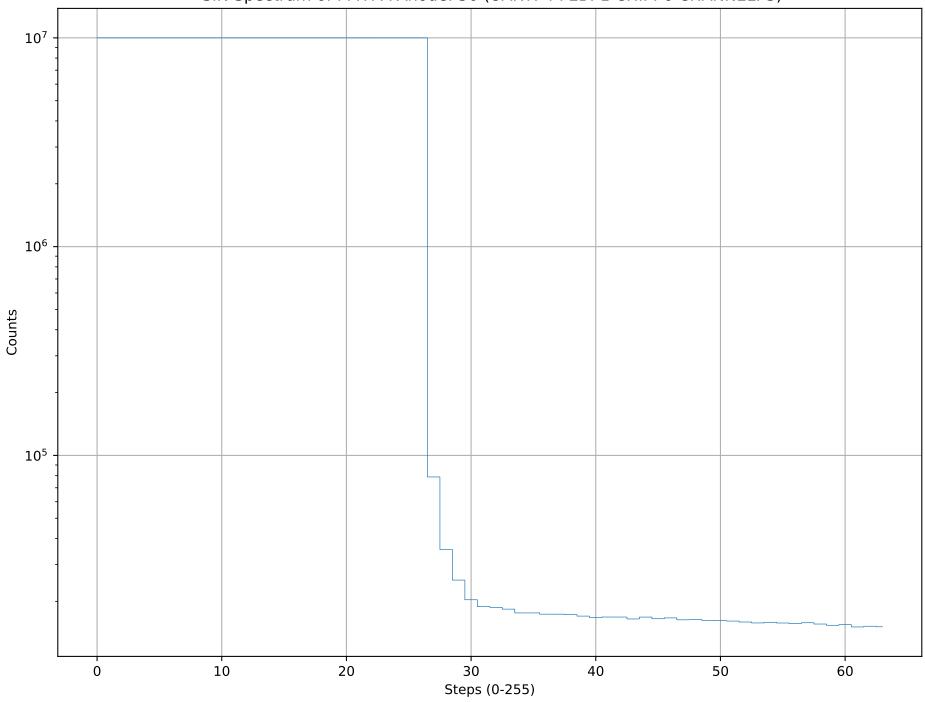
SIN Spectrum of PMT: A Anode: 48 (UART: 4 FEB: 0 CHIP: 7 CHANNEL: 3)



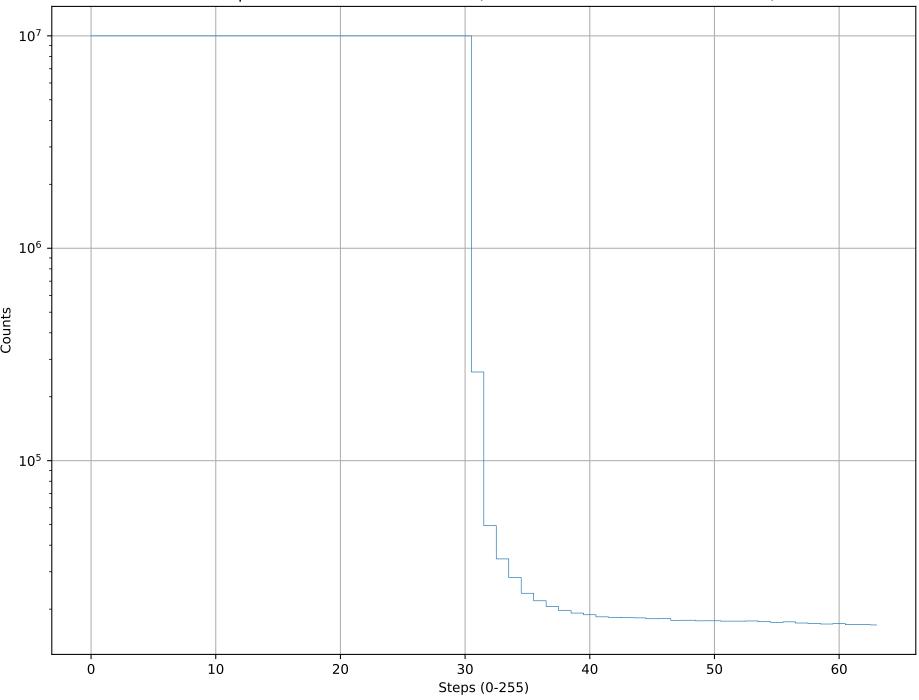
SIN Spectrum of PMT: A Anode: 49 (UART: 4 FEB: 1 CHIP: 6 CHANNEL: 2)



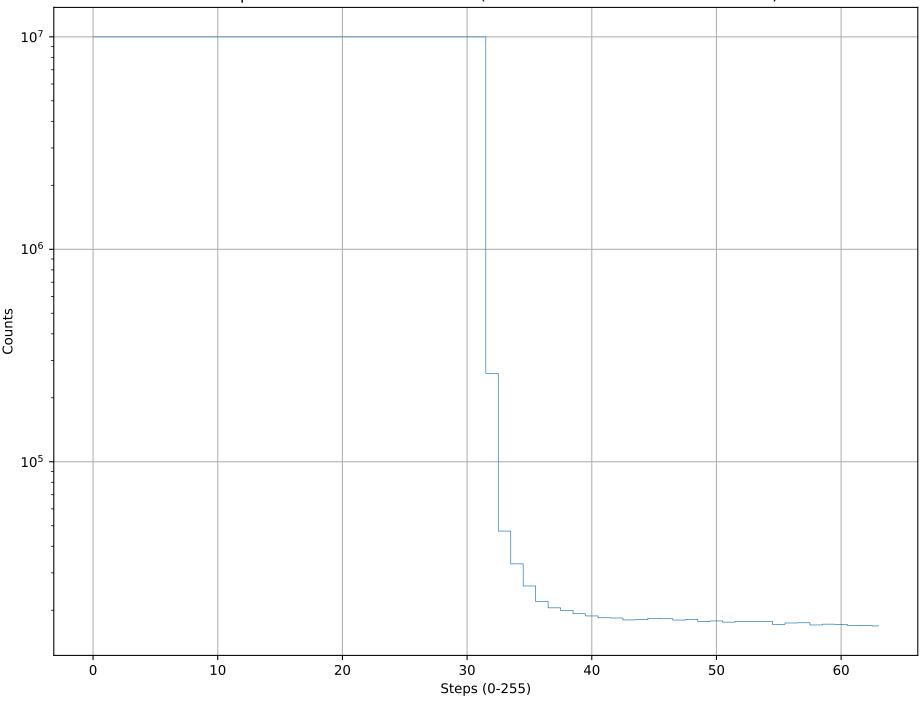
SIN Spectrum of PMT: A Anode: 50 (UART: 4 FEB: 1 CHIP: 6 CHANNEL: 3)



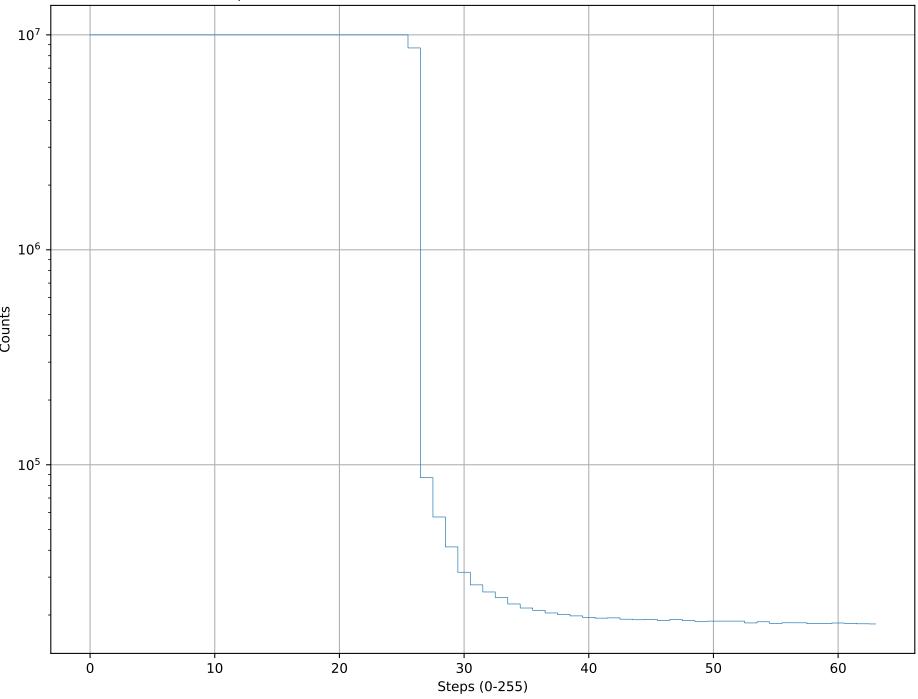
SIN Spectrum of PMT: A Anode: 51 (UART: 4 FEB: 1 CHIP: 7 CHANNEL: 5)



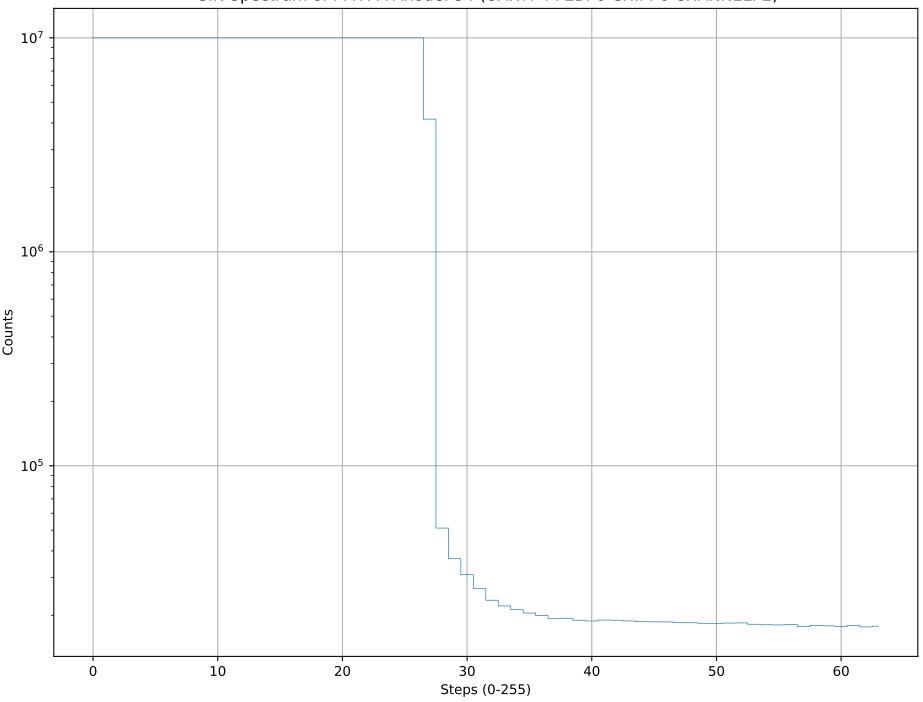
SIN Spectrum of PMT: A Anode: 52 (UART: 4 FEB: 1 CHIP: 7 CHANNEL: 4)



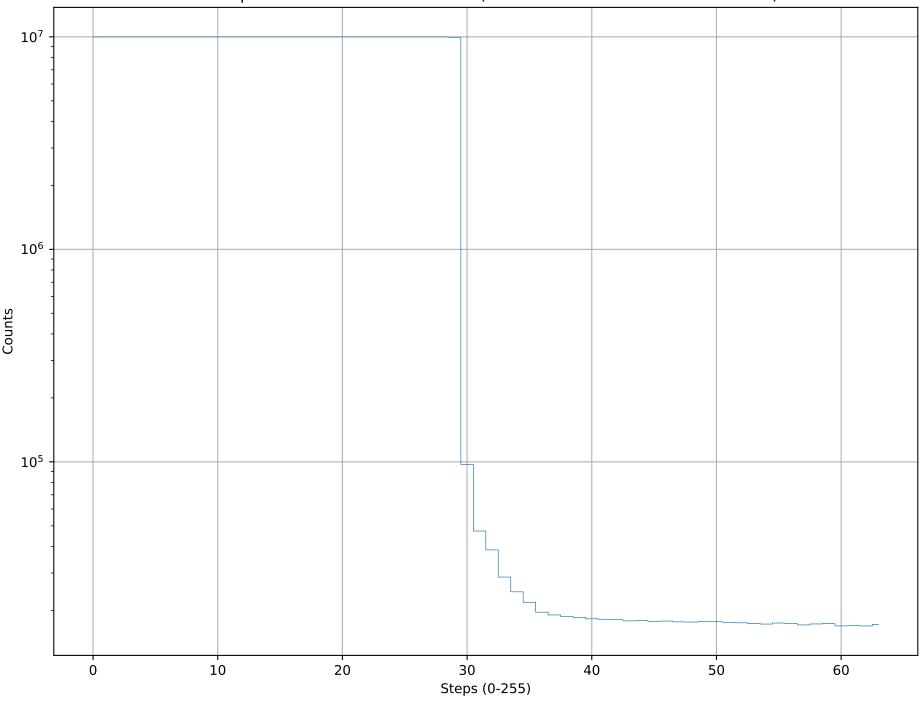
SIN Spectrum of PMT: A Anode: 53 (UART: 4 FEB: 0 CHIP: 6 CHANNEL: 3)



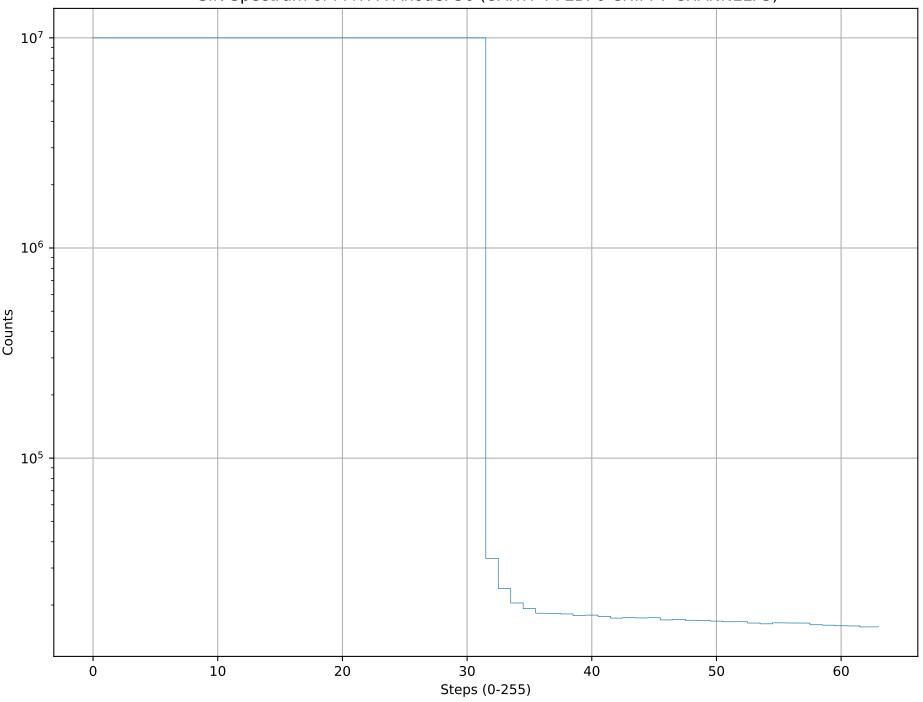
SIN Spectrum of PMT: A Anode: 54 (UART: 4 FEB: 0 CHIP: 6 CHANNEL: 2)



SIN Spectrum of PMT: A Anode: 55 (UART: 4 FEB: 0 CHIP: 7 CHANNEL: 4)



SIN Spectrum of PMT: A Anode: 56 (UART: 4 FEB: 0 CHIP: 7 CHANNEL: 5)



SIN Spectrum of PMT: A Anode: 57 (UART: 4 FEB: 1 CHIP: 6 CHANNEL: 0) 10^{7} 10^{6} 10^{5}

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Steps (0-255)

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60

10

0

20

SIN Spectrum of PMT: A Anode: 58 (UART: 4 FEB: 1 CHIP: 6 CHANNEL: 1) 10^{7} 10^{6} Counts 10⁵

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Steps (0-255)

40

50

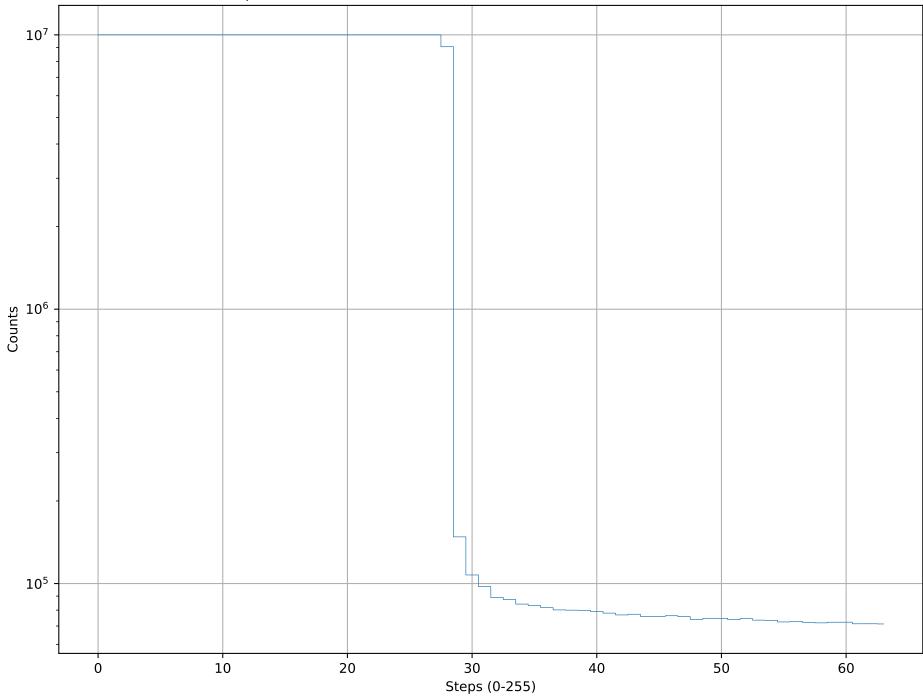
60

10

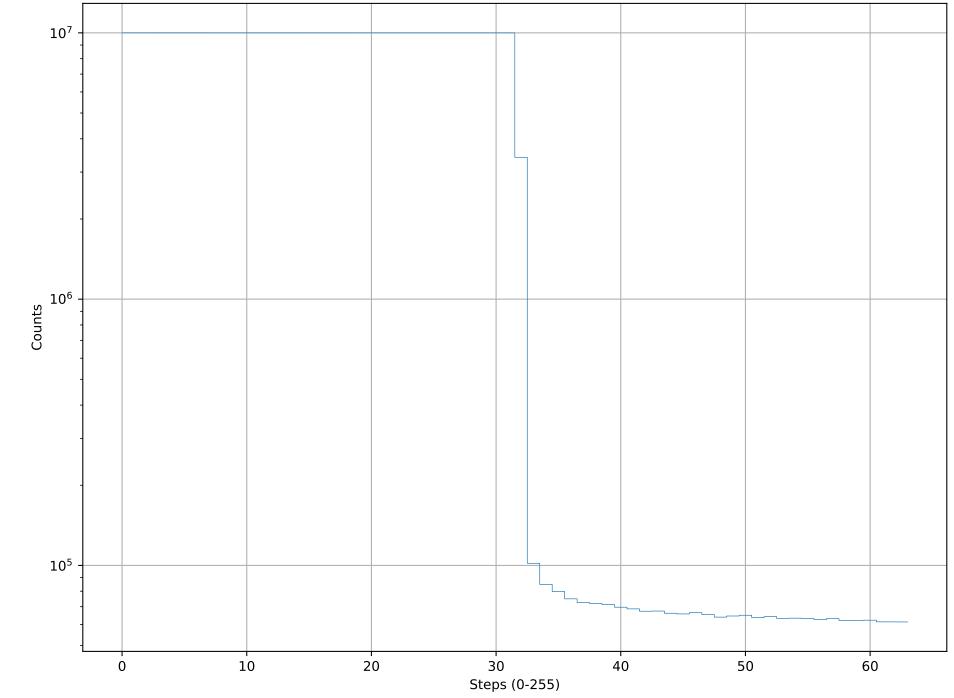
0

20

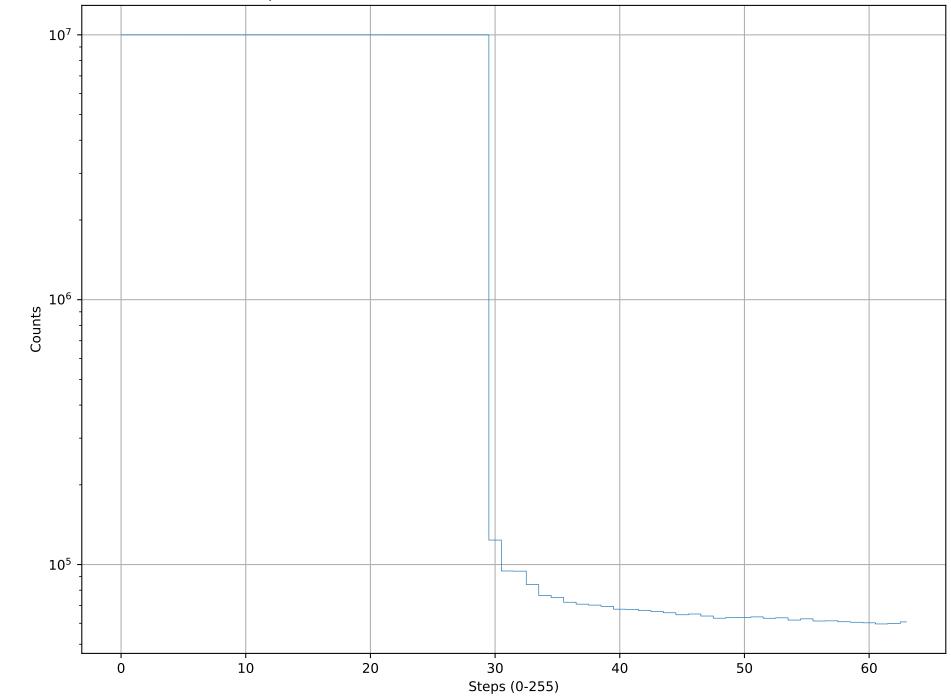
SIN Spectrum of PMT: A Anode: 59 (UART: 4 FEB: 1 CHIP: 7 CHANNEL: 7)



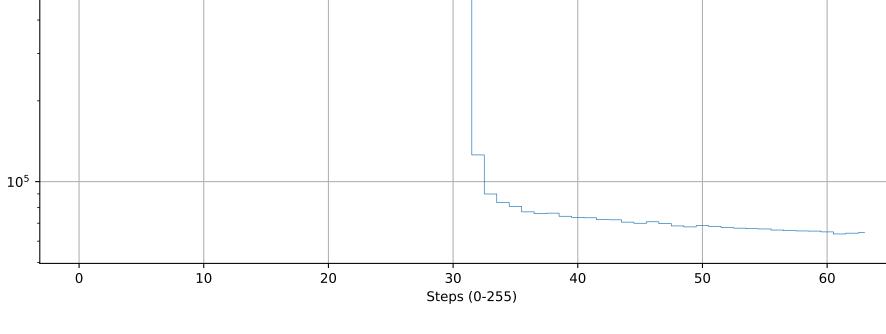
SIN Spectrum of PMT: A Anode: 60 (UART: 4 FEB: 1 CHIP: 7 CHANNEL: 6)



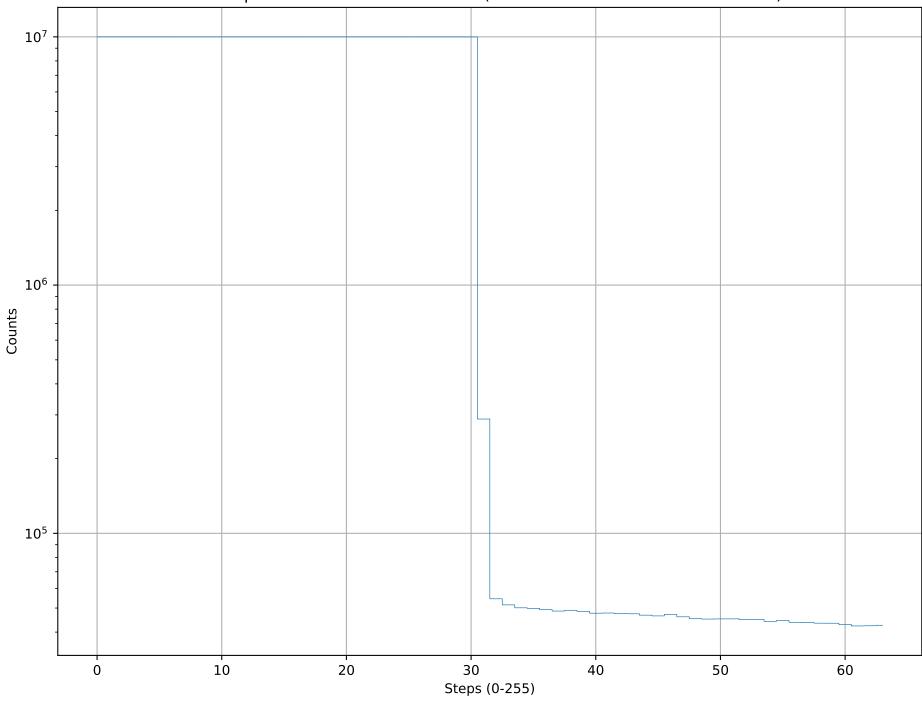
SIN Spectrum of PMT: A Anode: 61 (UART: 4 FEB: 0 CHIP: 6 CHANNEL: 1)



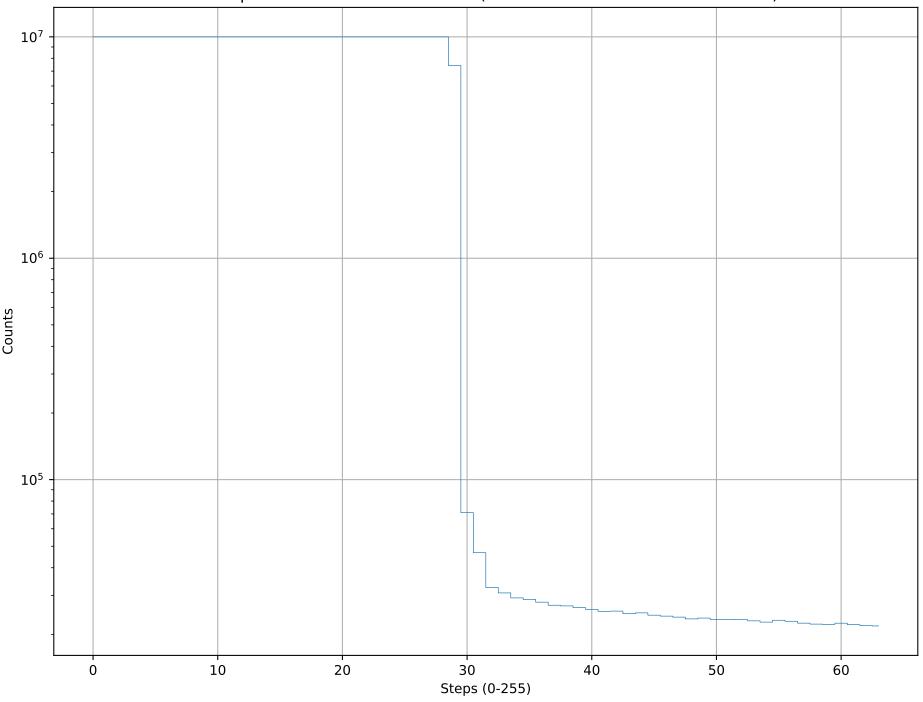
SIN Spectrum of PMT: A Anode: 62 (UART: 4 FEB: 0 CHIP: 6 CHANNEL: 0) 10⁷ Counts 10⁶ .



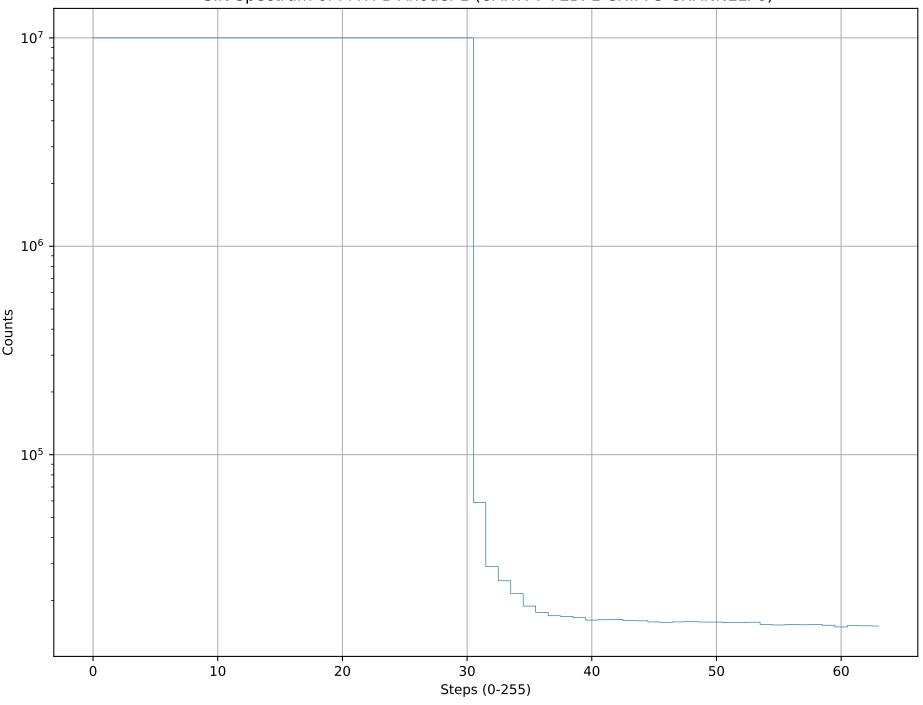
SIN Spectrum of PMT: A Anode: 63 (UART: 4 FEB: 0 CHIP: 7 CHANNEL: 6)



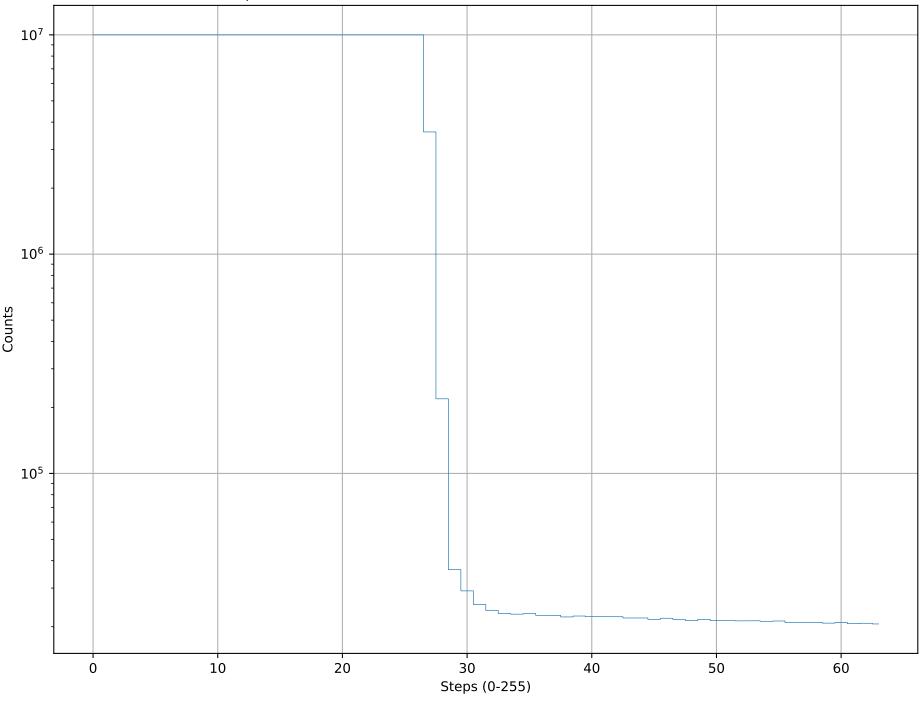
SIN Spectrum of PMT: A Anode: 64 (UART: 4 FEB: 0 CHIP: 7 CHANNEL: 7)



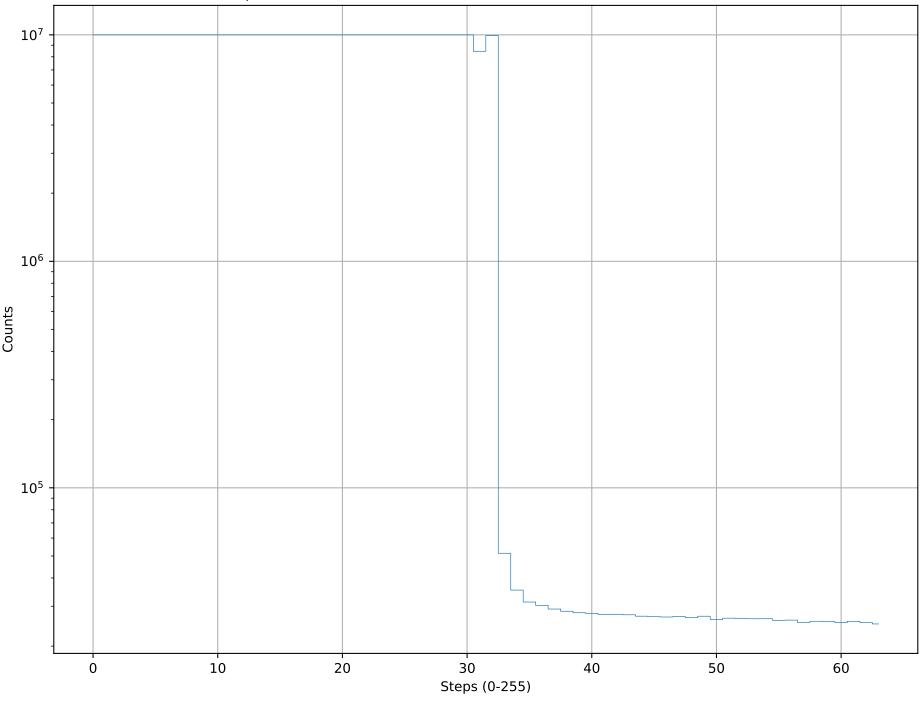
SIN Spectrum of PMT: B Anode: 1 (UART: 7 FEB: 1 CHIP: 5 CHANNEL: 0)



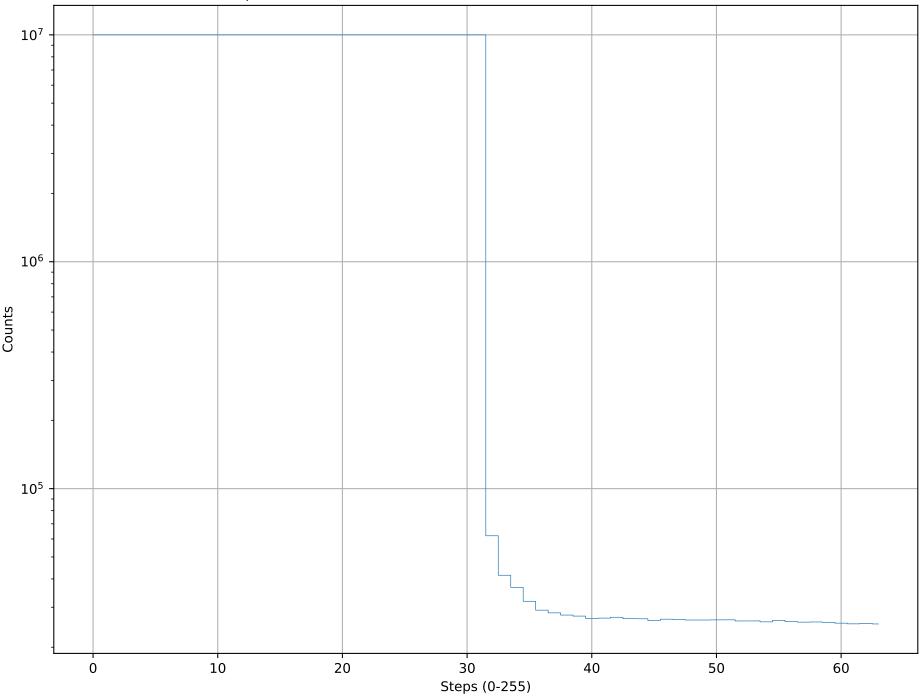
SIN Spectrum of PMT: B Anode: 2 (UART: 7 FEB: 1 CHIP: 5 CHANNEL: 2)



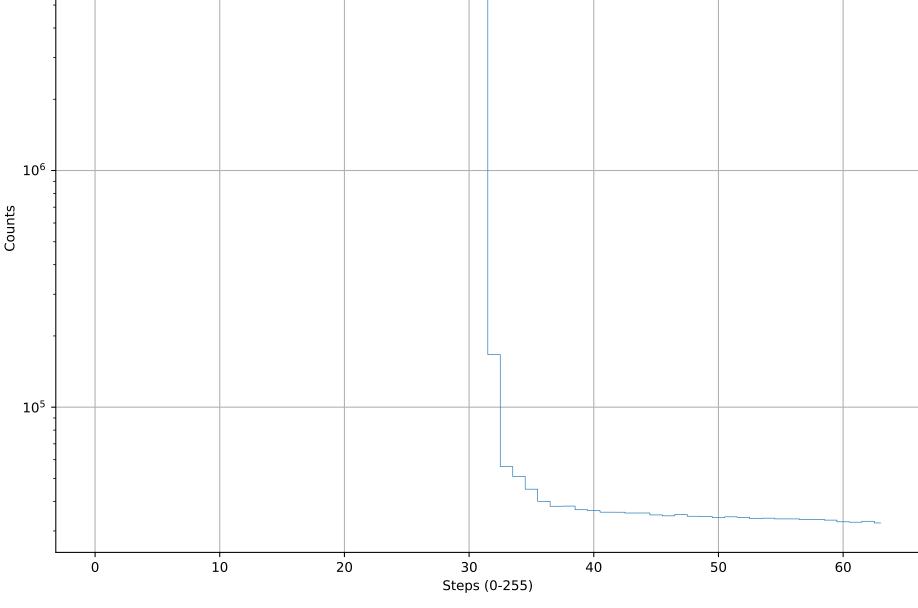
SIN Spectrum of PMT: B Anode: 3 (UART: 7 FEB: 1 CHIP: 5 CHANNEL: 4)



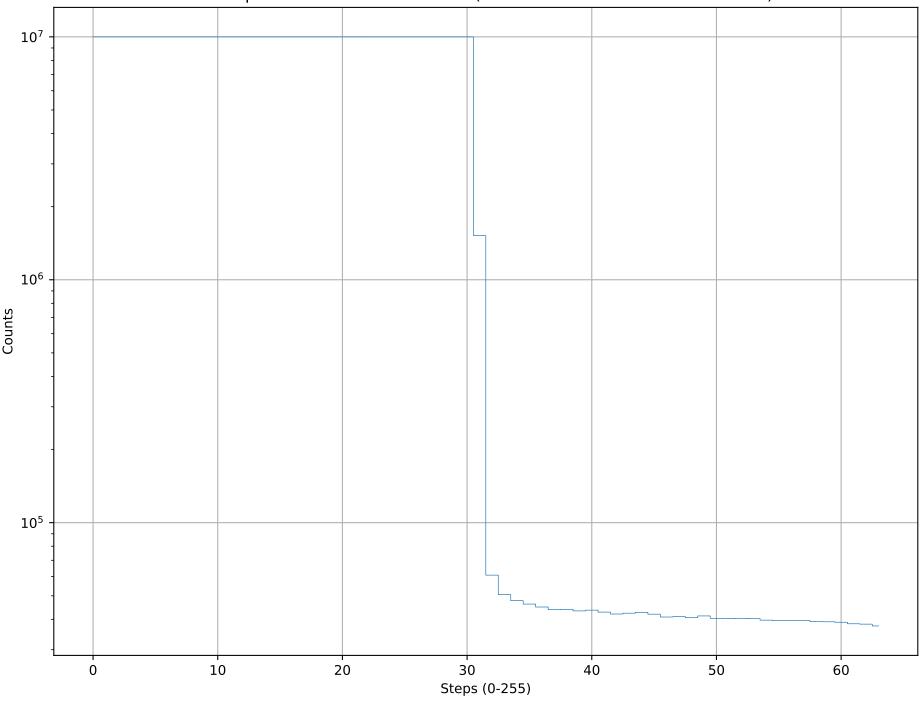
SIN Spectrum of PMT: B Anode: 4 (UART: 7 FEB: 1 CHIP: 5 CHANNEL: 6)



SIN Spectrum of PMT: B Anode: 5 (UART: 7 FEB: 1 CHIP: 7 CHANNEL: 1) 10^{7} 10^{6}



SIN Spectrum of PMT: B Anode: 6 (UART: 7 FEB: 1 CHIP: 7 CHANNEL: 3)



SIN Spectrum of PMT: B Anode: 7 (UART: 7 FEB: 1 CHIP: 7 CHANNEL: 5) 10^{7} 10^{6} 10^{5}

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Steps (0-255)

40

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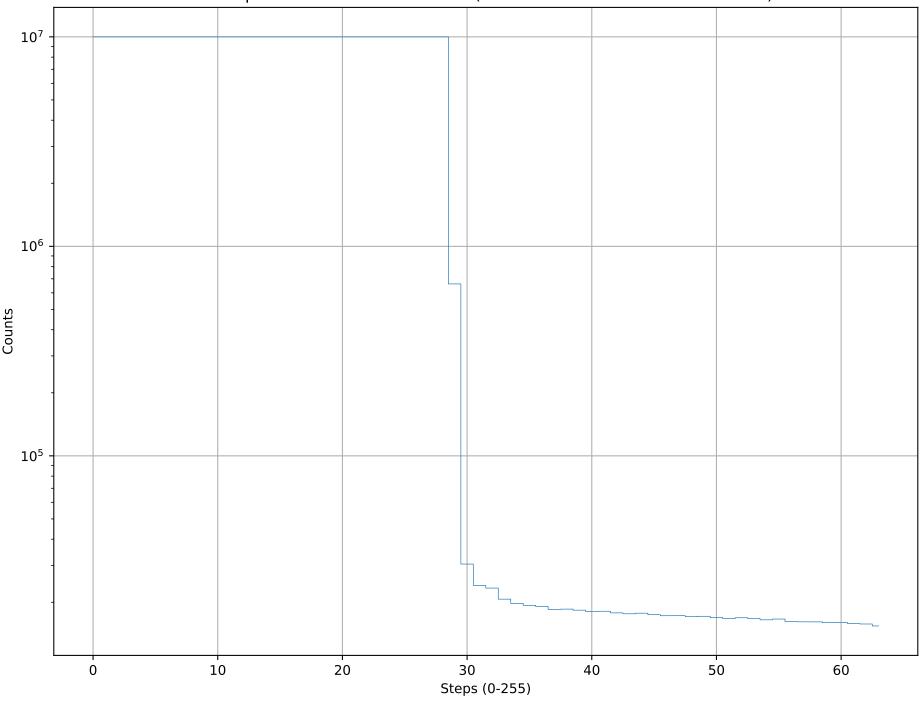
60

10

0

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SIN Spectrum of PMT: B Anode: 8 (UART: 7 FEB: 1 CHIP: 7 CHANNEL: 7)



SIN Spectrum of PMT: B Anode: 9 (UART: 7 FEB: 1 CHIP: 5 CHANNEL: 1) 10^{7} 10^{6} 10⁵

30

Steps (0-255)

40

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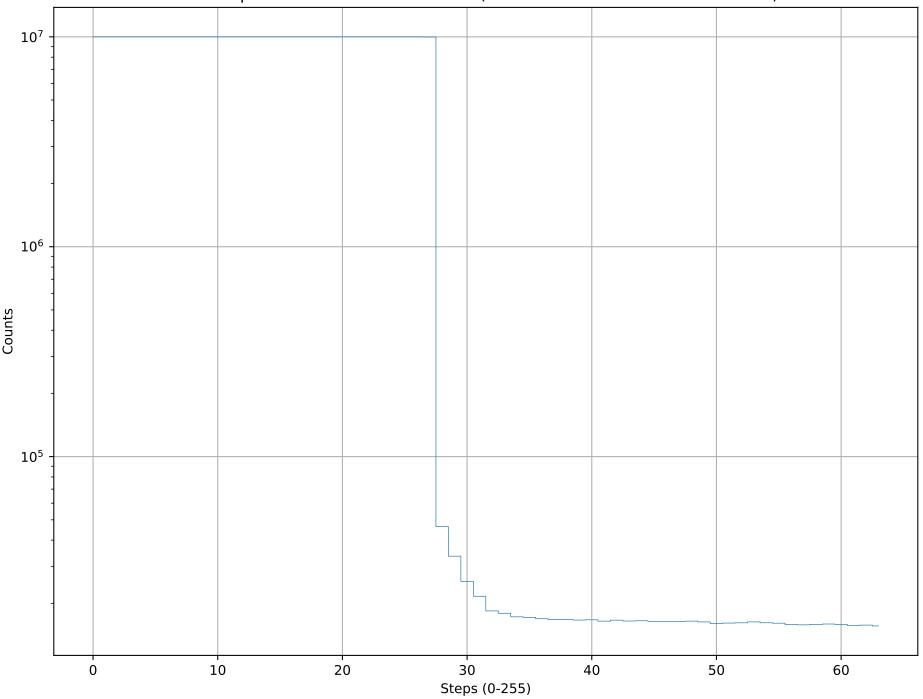
60

10

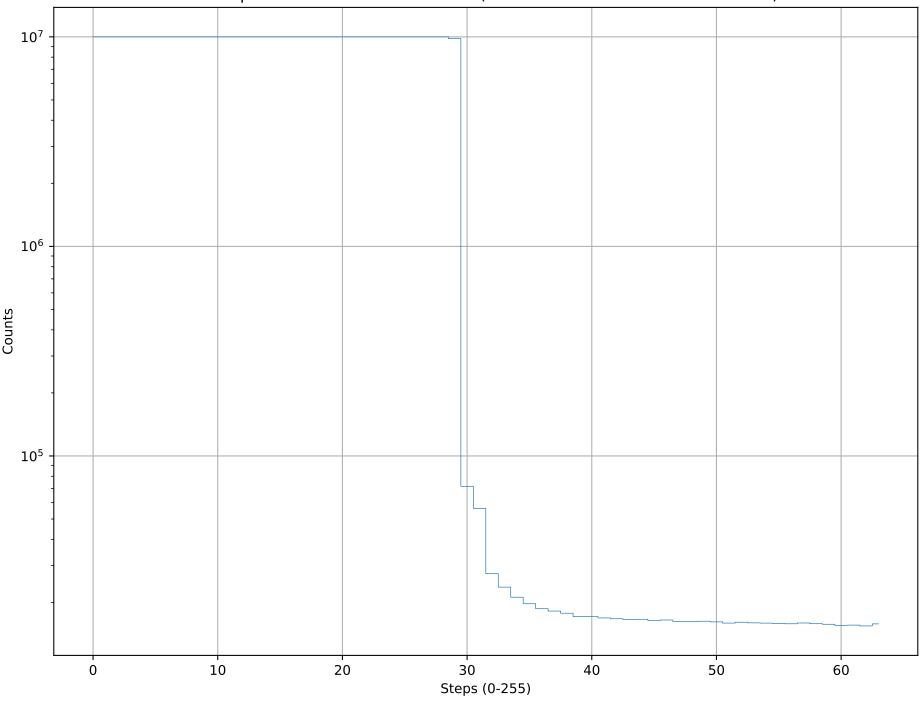
Ö

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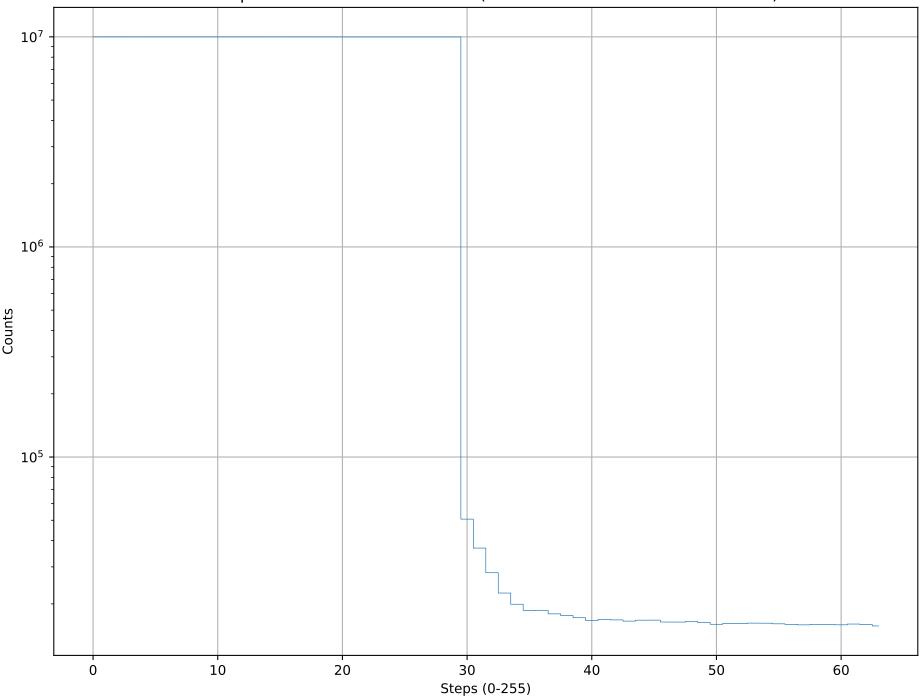
SIN Spectrum of PMT: B Anode: 10 (UART: 7 FEB: 1 CHIP: 5 CHANNEL: 3)



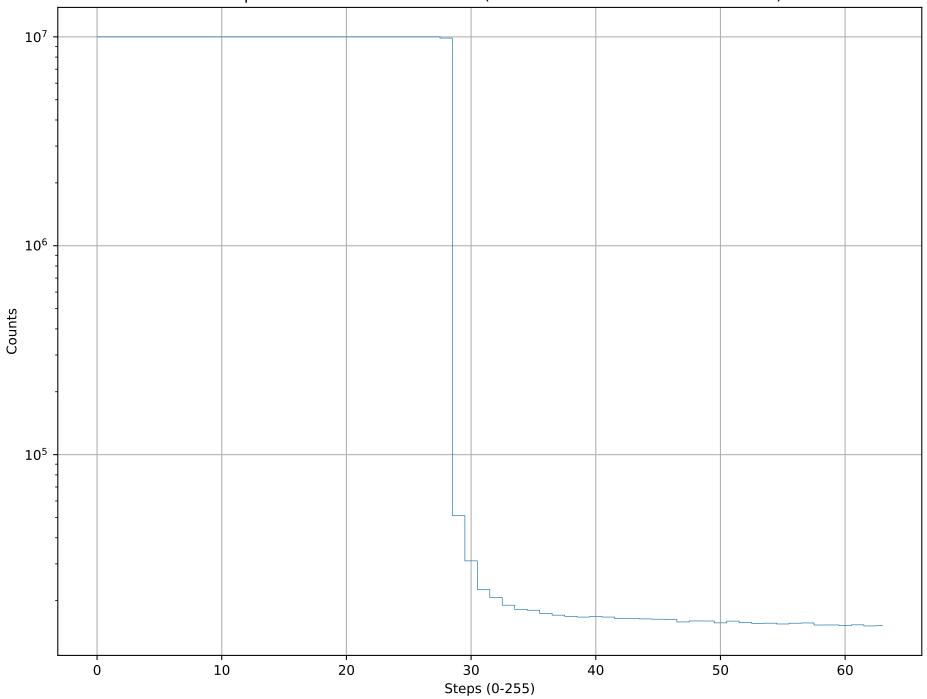
SIN Spectrum of PMT: B Anode: 11 (UART: 7 FEB: 1 CHIP: 5 CHANNEL: 5)



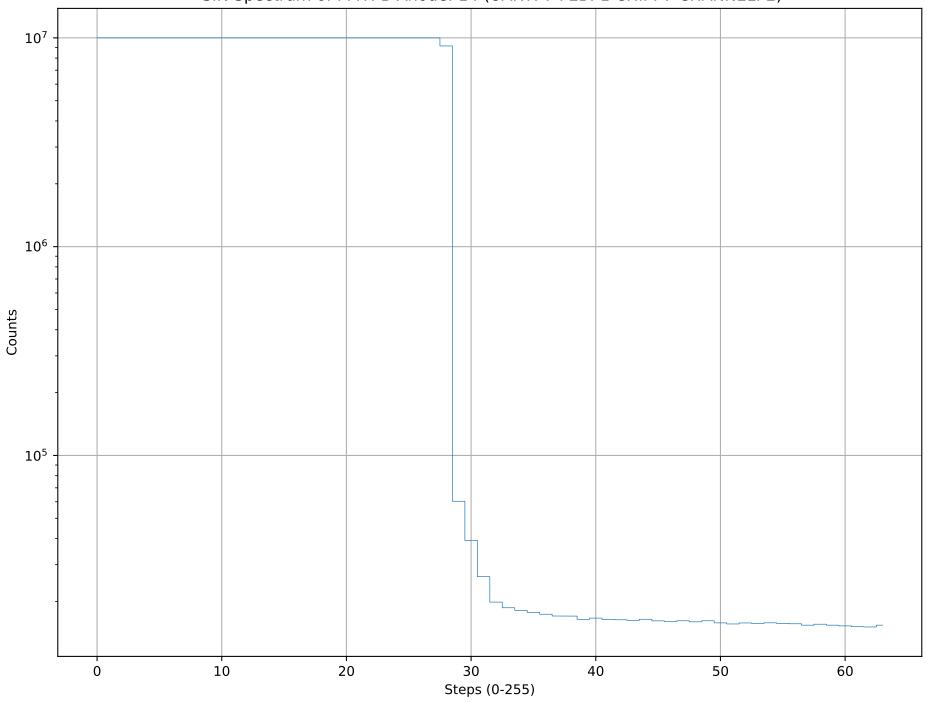
SIN Spectrum of PMT: B Anode: 12 (UART: 7 FEB: 1 CHIP: 5 CHANNEL: 7)



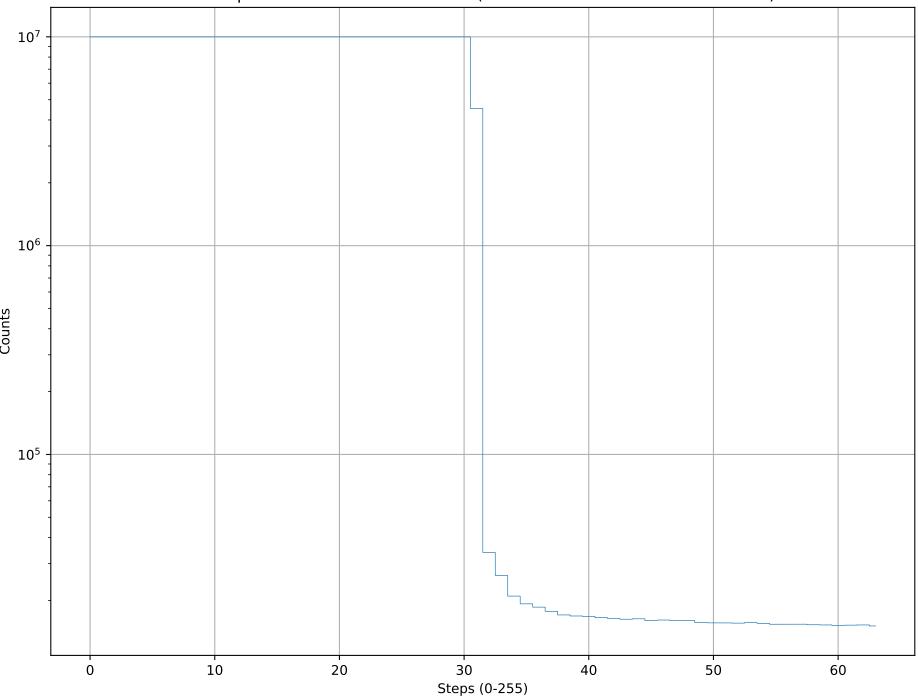
SIN Spectrum of PMT: B Anode: 13 (UART: 7 FEB: 1 CHIP: 7 CHANNEL: 0)



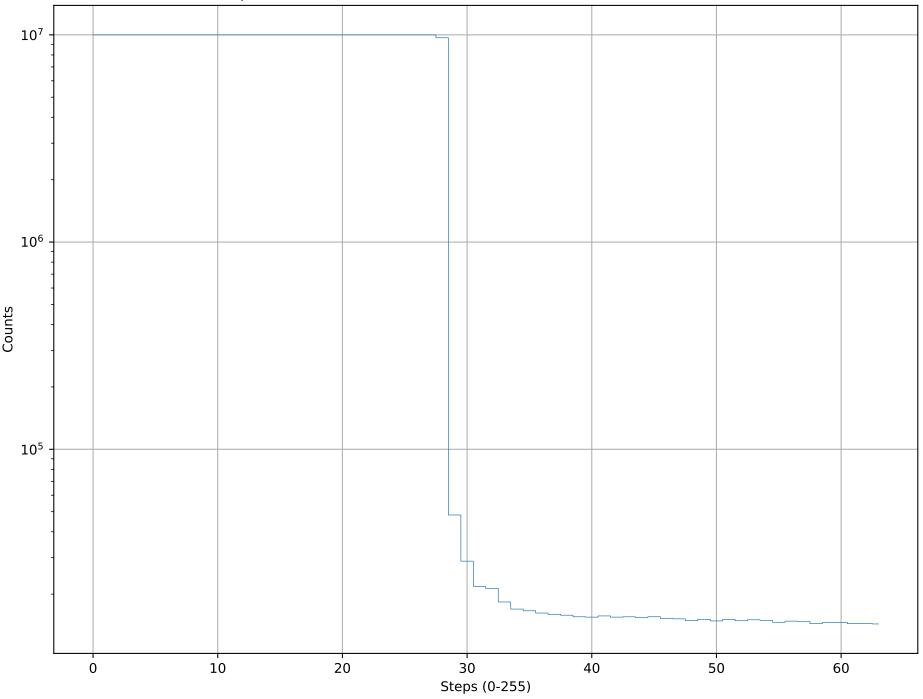
SIN Spectrum of PMT: B Anode: 14 (UART: 7 FEB: 1 CHIP: 7 CHANNEL: 2)



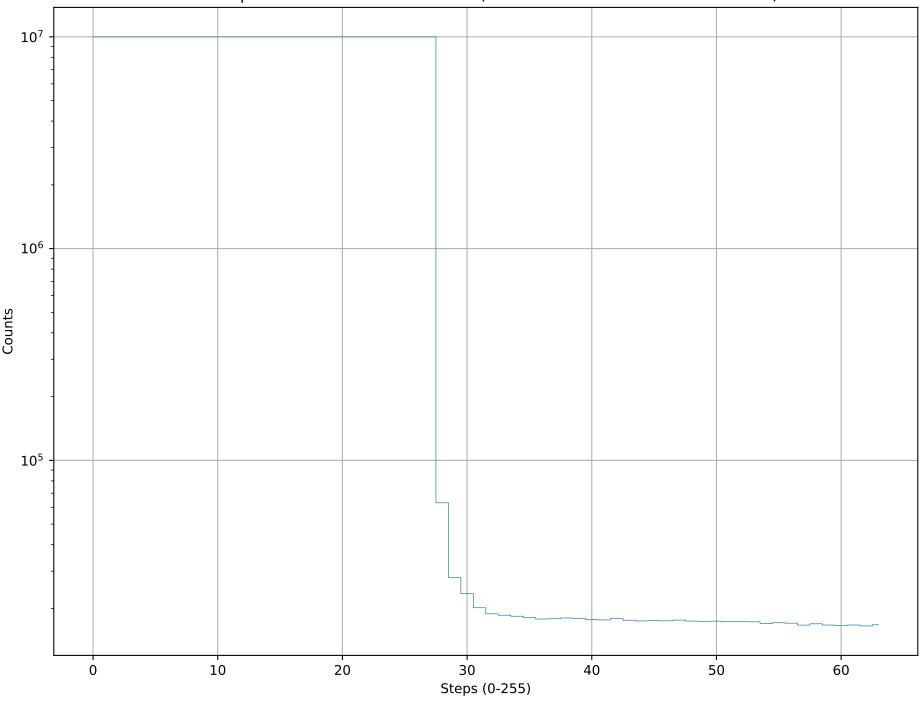
SIN Spectrum of PMT: B Anode: 15 (UART: 7 FEB: 1 CHIP: 7 CHANNEL: 4)



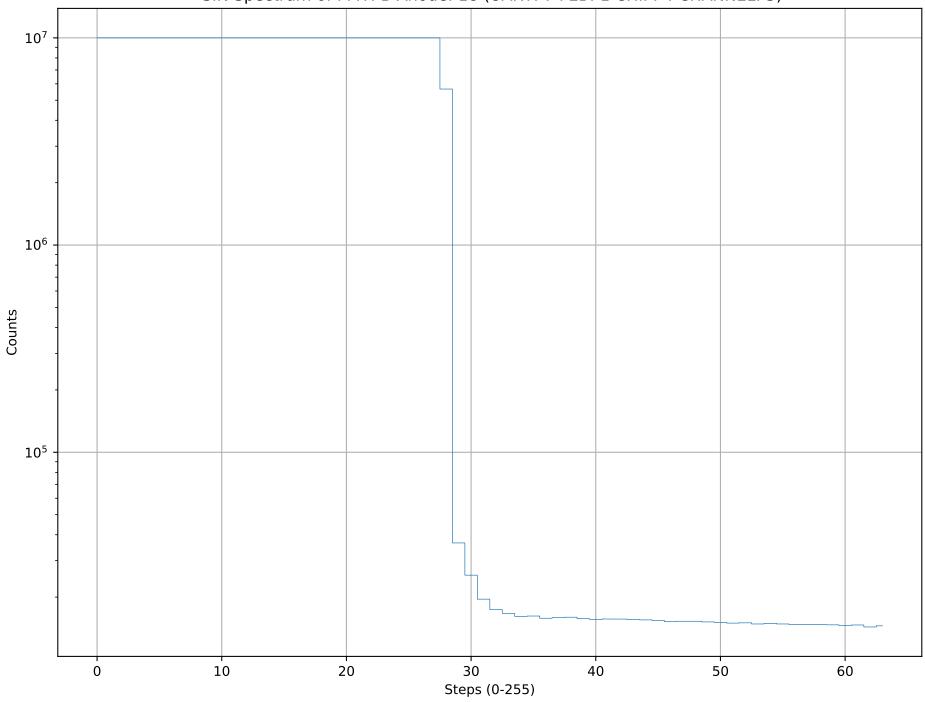
SIN Spectrum of PMT: B Anode: 16 (UART: 7 FEB: 1 CHIP: 7 CHANNEL: 6)



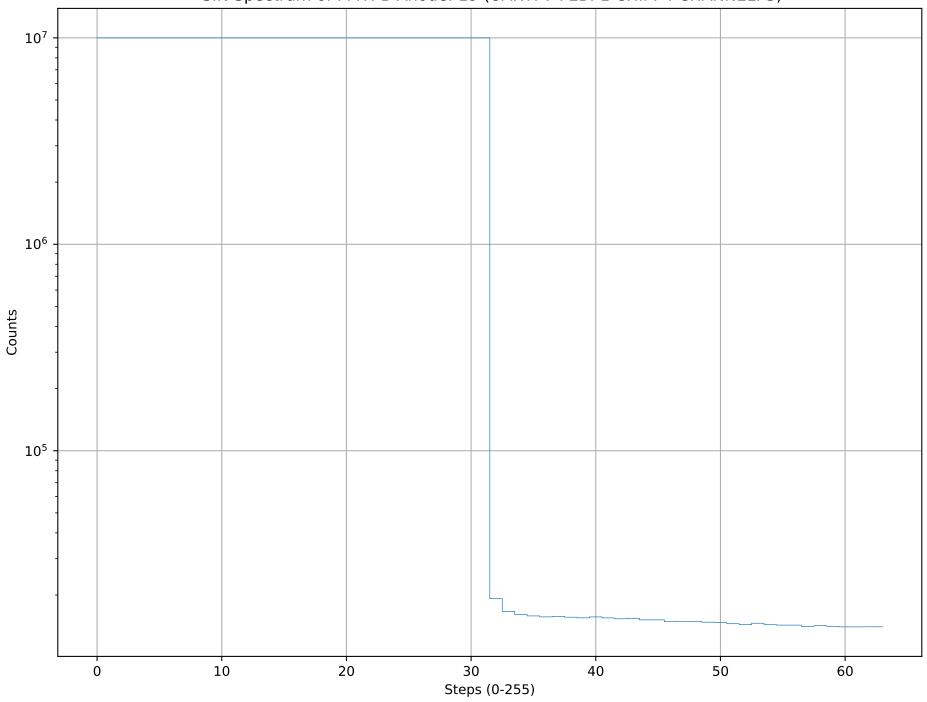
SIN Spectrum of PMT: B Anode: 17 (UART: 7 FEB: 1 CHIP: 4 CHANNEL: 7)



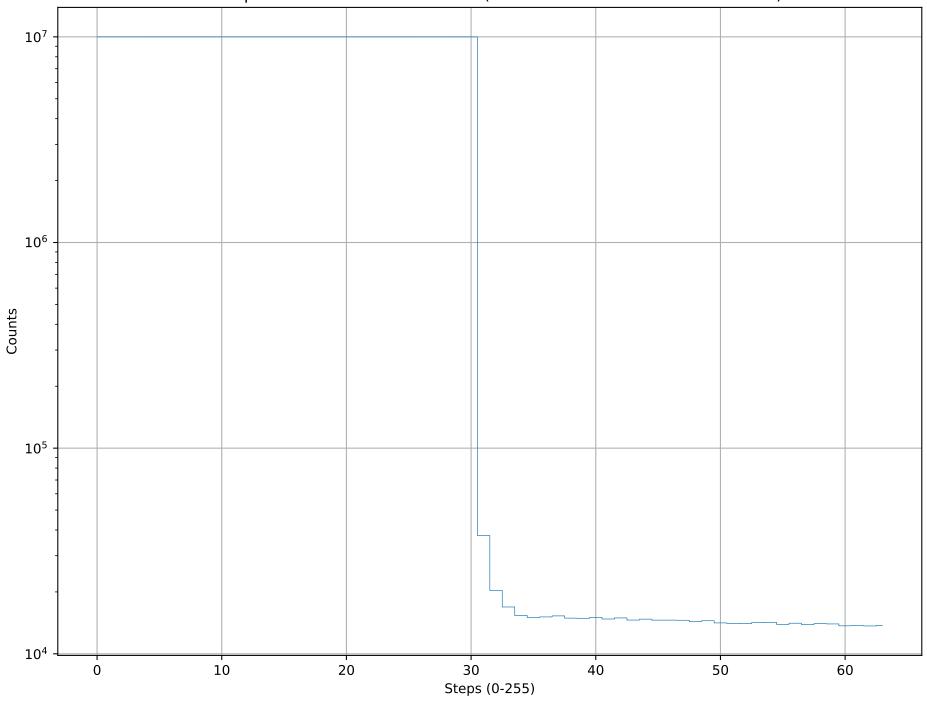
SIN Spectrum of PMT: B Anode: 18 (UART: 7 FEB: 1 CHIP: 4 CHANNEL: 5)



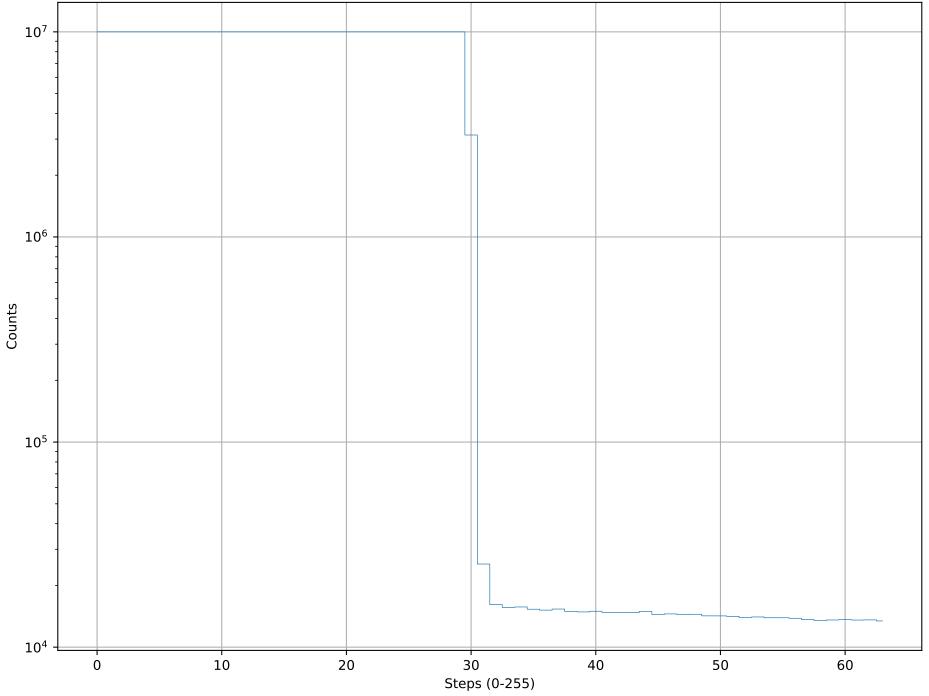
SIN Spectrum of PMT: B Anode: 19 (UART: 7 FEB: 1 CHIP: 4 CHANNEL: 3)



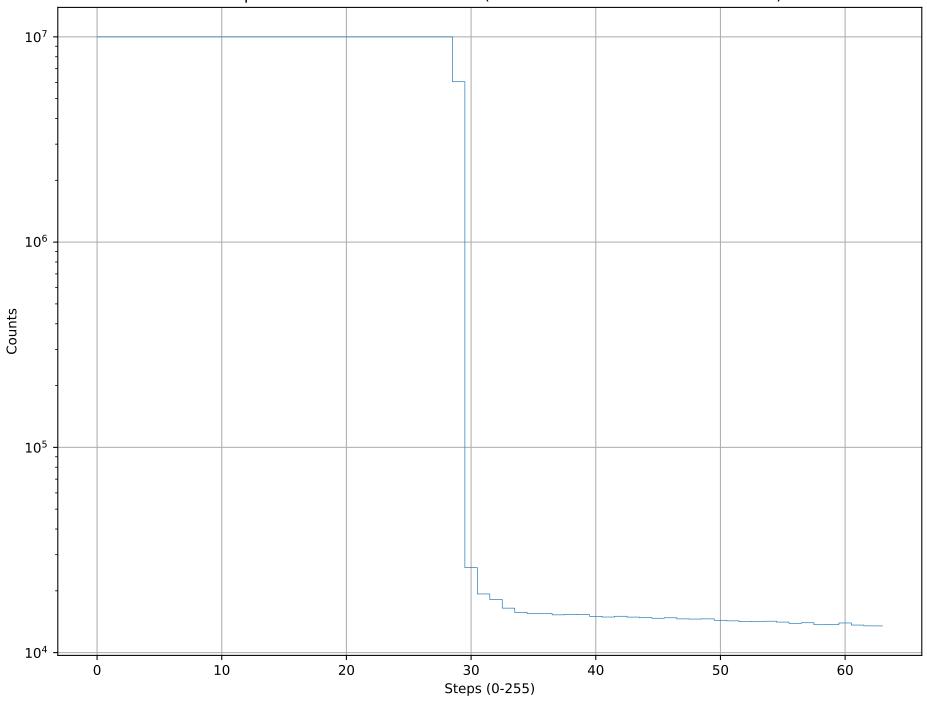
SIN Spectrum of PMT: B Anode: 20 (UART: 7 FEB: 1 CHIP: 4 CHANNEL: 0)



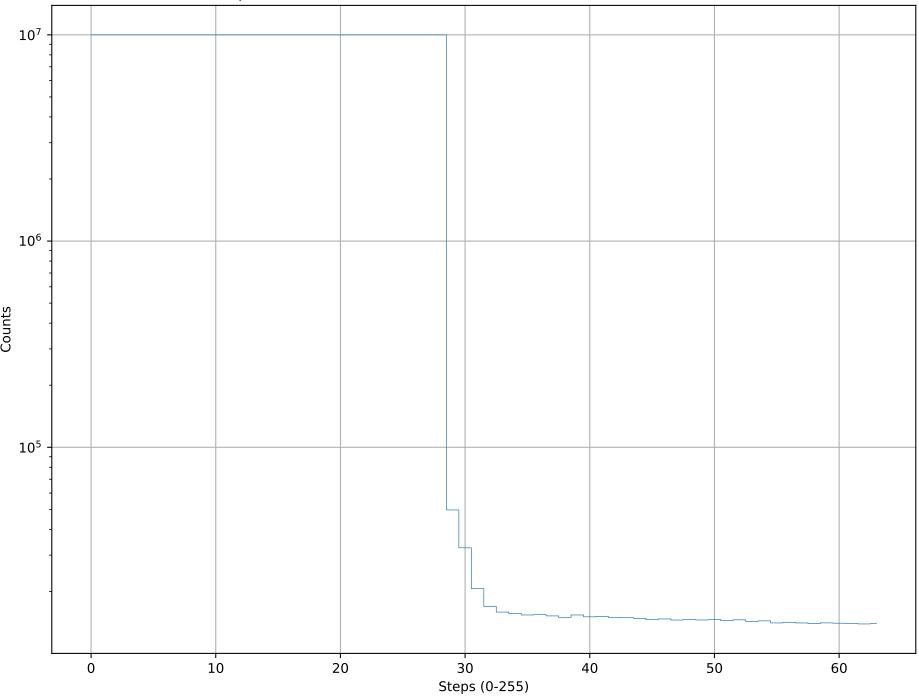
SIN Spectrum of PMT: B Anode: 21 (UART: 7 FEB: 1 CHIP: 6 CHANNEL: 6)



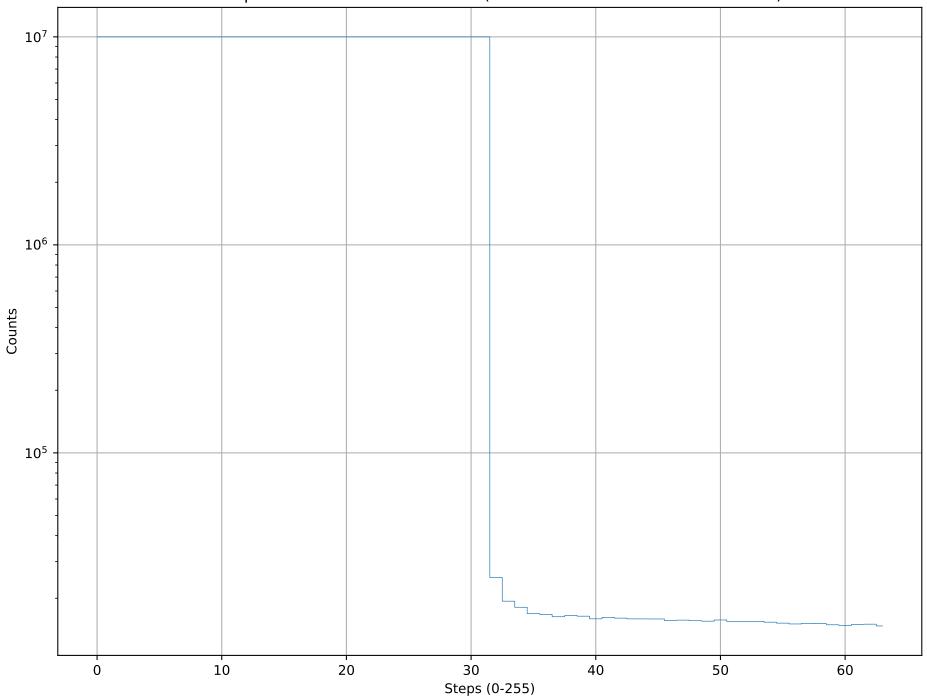
SIN Spectrum of PMT: B Anode: 22 (UART: 7 FEB: 1 CHIP: 6 CHANNEL: 4)



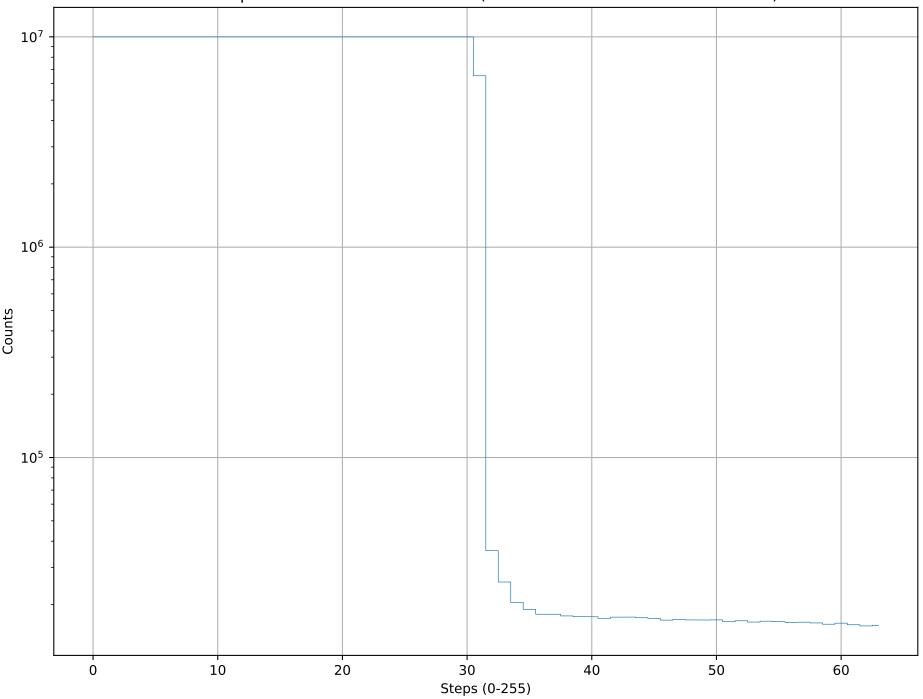
SIN Spectrum of PMT: B Anode: 23 (UART: 7 FEB: 1 CHIP: 6 CHANNEL: 2)



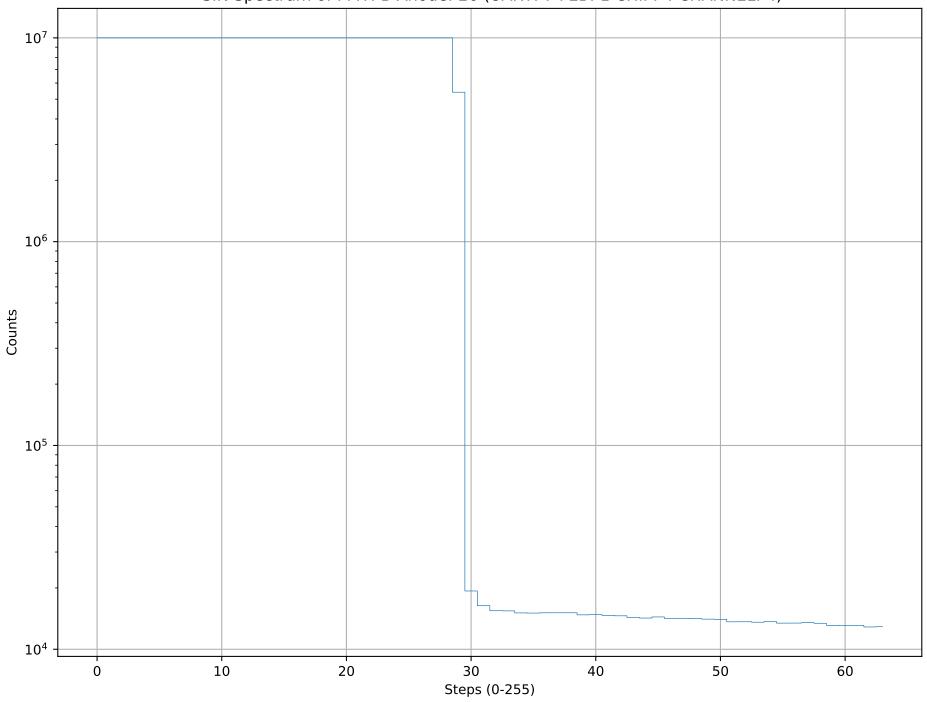
SIN Spectrum of PMT: B Anode: 24 (UART: 7 FEB: 1 CHIP: 6 CHANNEL: 0)



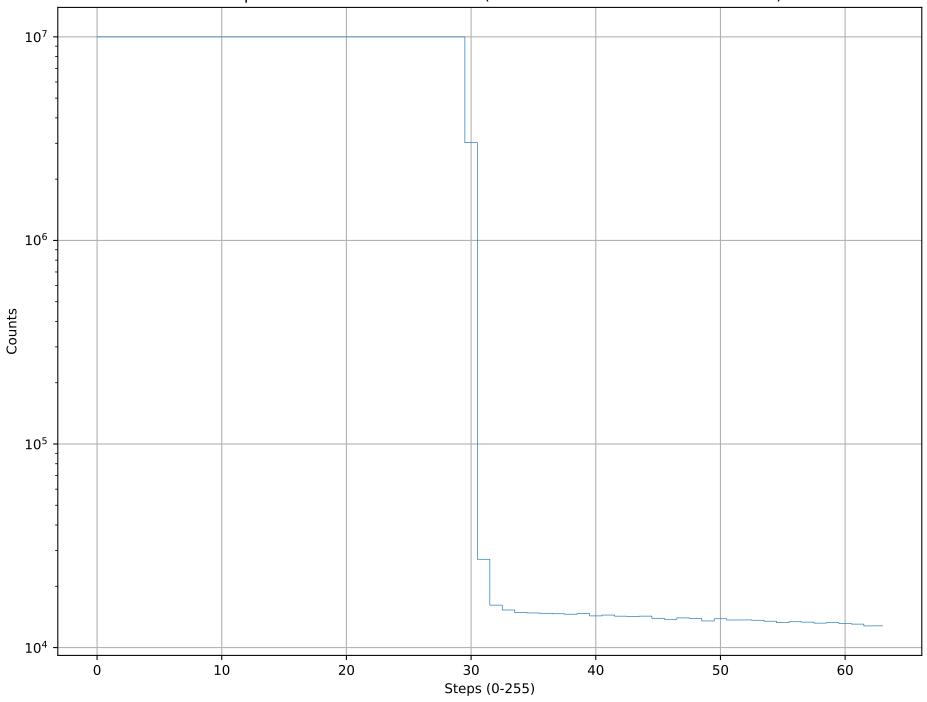
SIN Spectrum of PMT: B Anode: 25 (UART: 7 FEB: 1 CHIP: 4 CHANNEL: 6)



SIN Spectrum of PMT: B Anode: 26 (UART: 7 FEB: 1 CHIP: 4 CHANNEL: 4)



SIN Spectrum of PMT: B Anode: 27 (UART: 7 FEB: 1 CHIP: 4 CHANNEL: 2)



SIN Spectrum of PMT: B Anode: 28 (UART: 7 FEB: 1 CHIP: 4 CHANNEL: 1) 10^{7} 10^{6} Counts 10⁵

30

Steps (0-255)

40

50

60

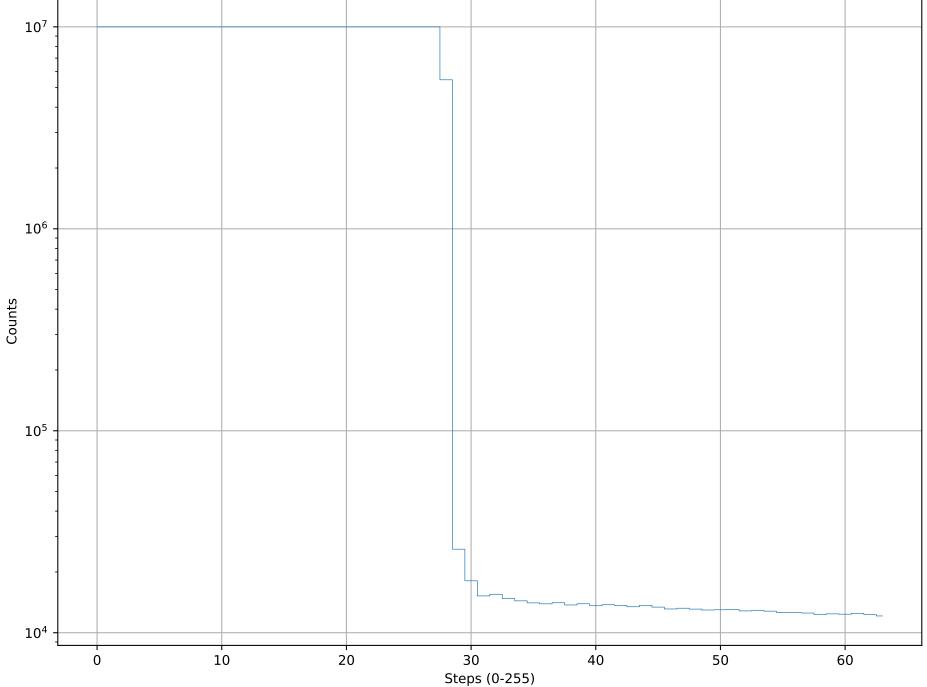
 10^{4}

0

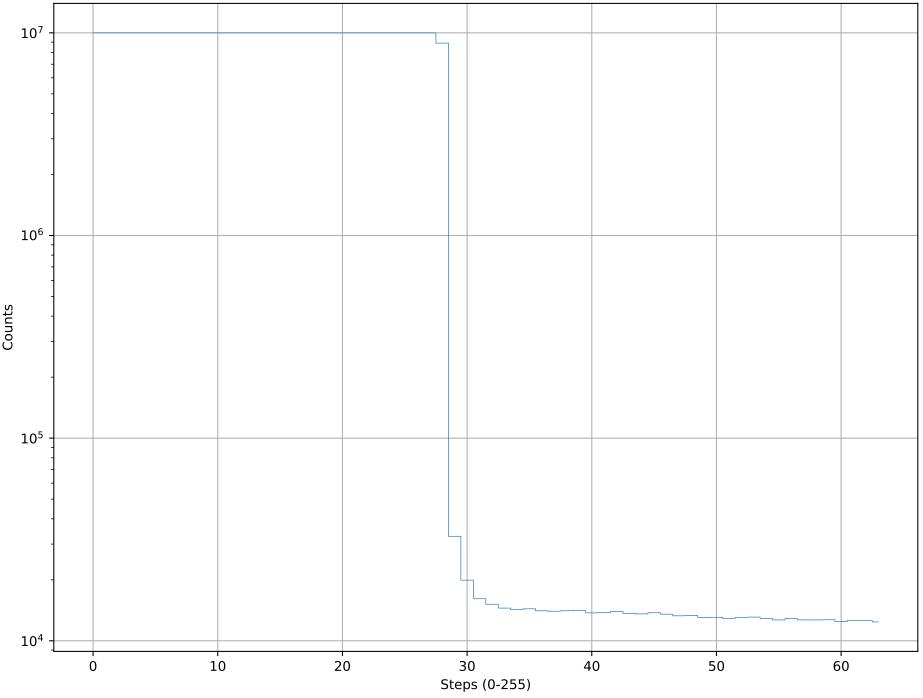
10

20

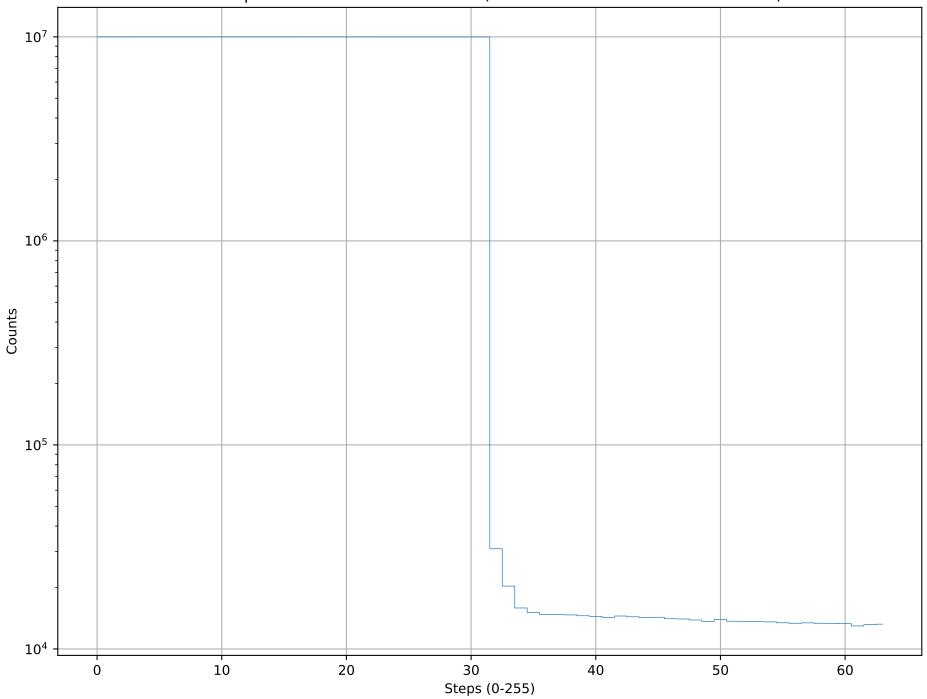
SIN Spectrum of PMT: B Anode: 29 (UART: 7 FEB: 1 CHIP: 6 CHANNEL: 7)



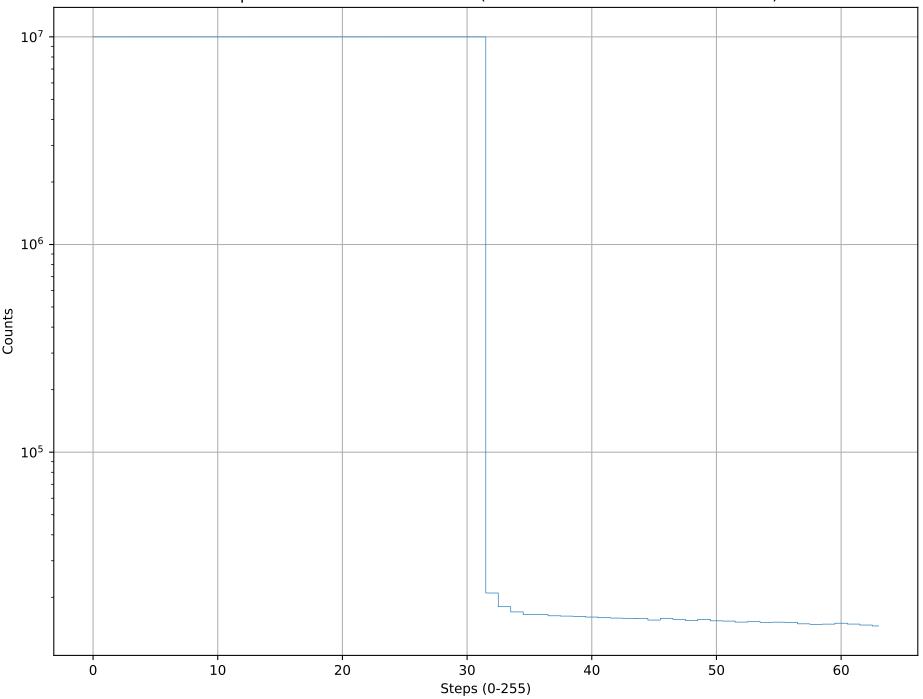
SIN Spectrum of PMT: B Anode: 30 (UART: 7 FEB: 1 CHIP: 6 CHANNEL: 5)



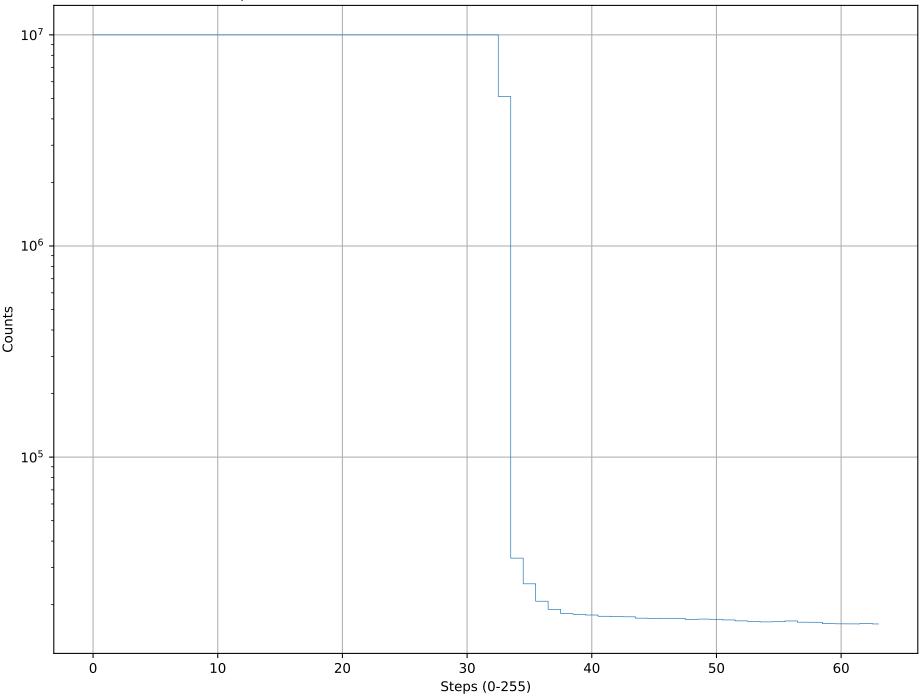
SIN Spectrum of PMT: B Anode: 31 (UART: 7 FEB: 1 CHIP: 6 CHANNEL: 3)



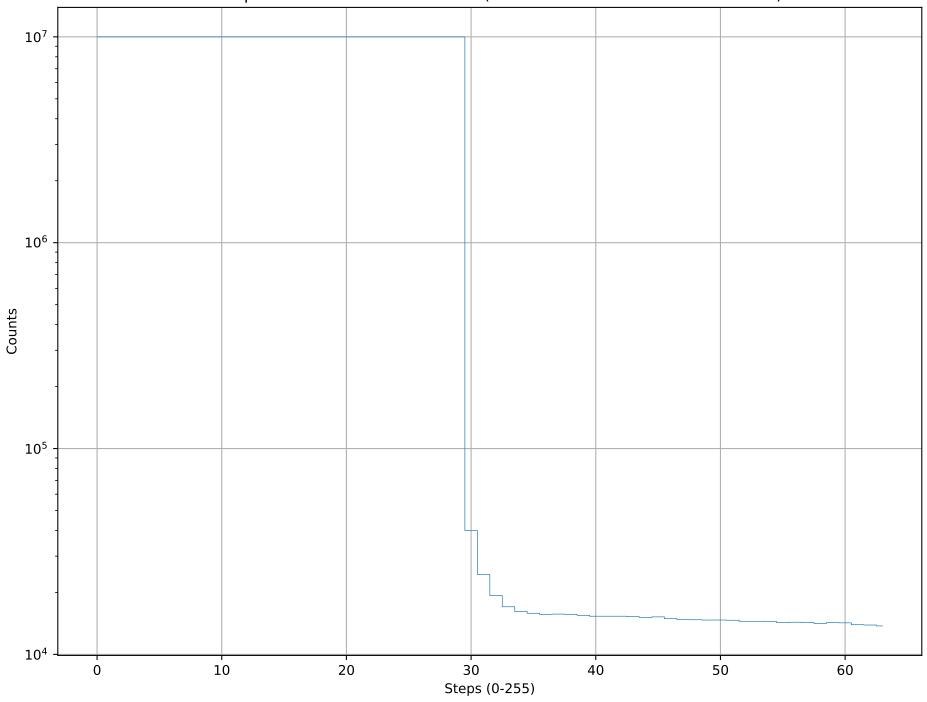
SIN Spectrum of PMT: B Anode: 32 (UART: 7 FEB: 1 CHIP: 6 CHANNEL: 1)



SIN Spectrum of PMT: B Anode: 33 (UART: 7 FEB: 0 CHIP: 5 CHANNEL: 1)



SIN Spectrum of PMT: B Anode: 34 (UART: 7 FEB: 0 CHIP: 5 CHANNEL: 3)



SIN Spectrum of PMT: B Anode: 35 (UART: 7 FEB: 0 CHIP: 5 CHANNEL: 5) 10^{7} 10^{6} 10⁵

30

Steps (0-255)

40

50

60

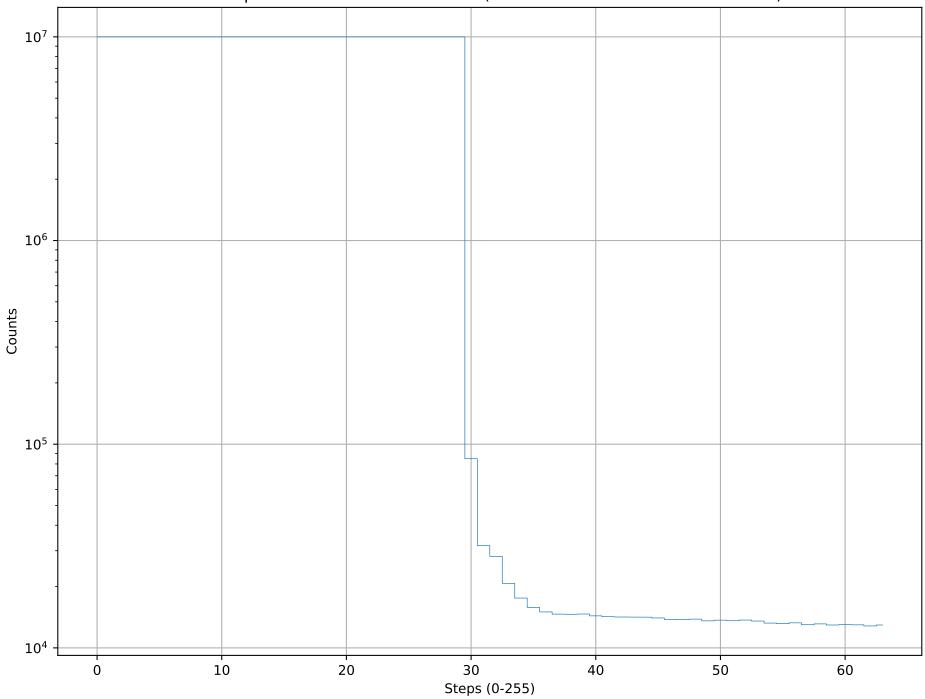
 10^{4}

0

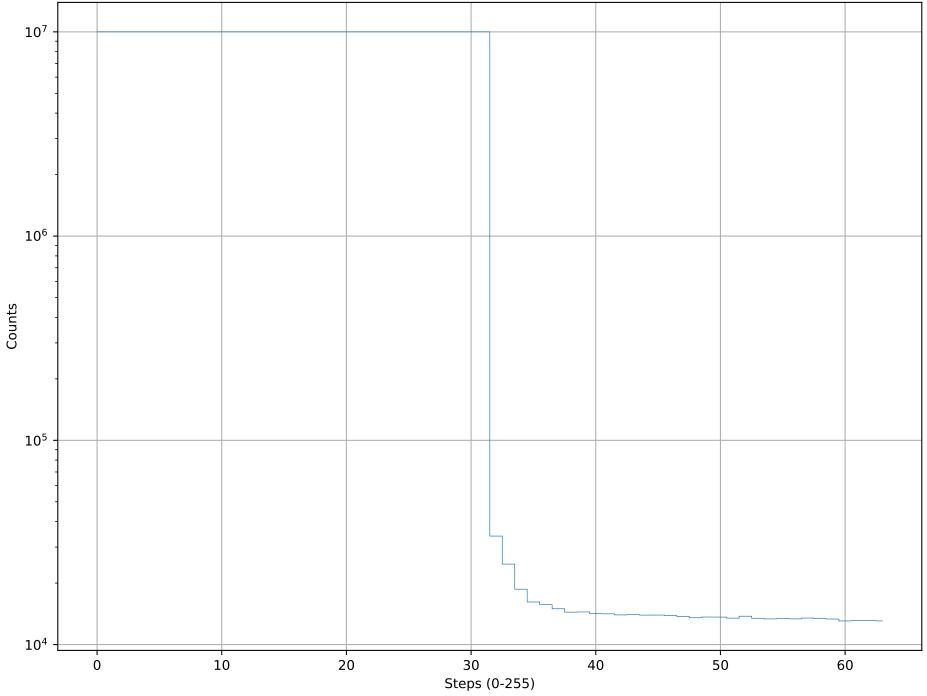
10

20

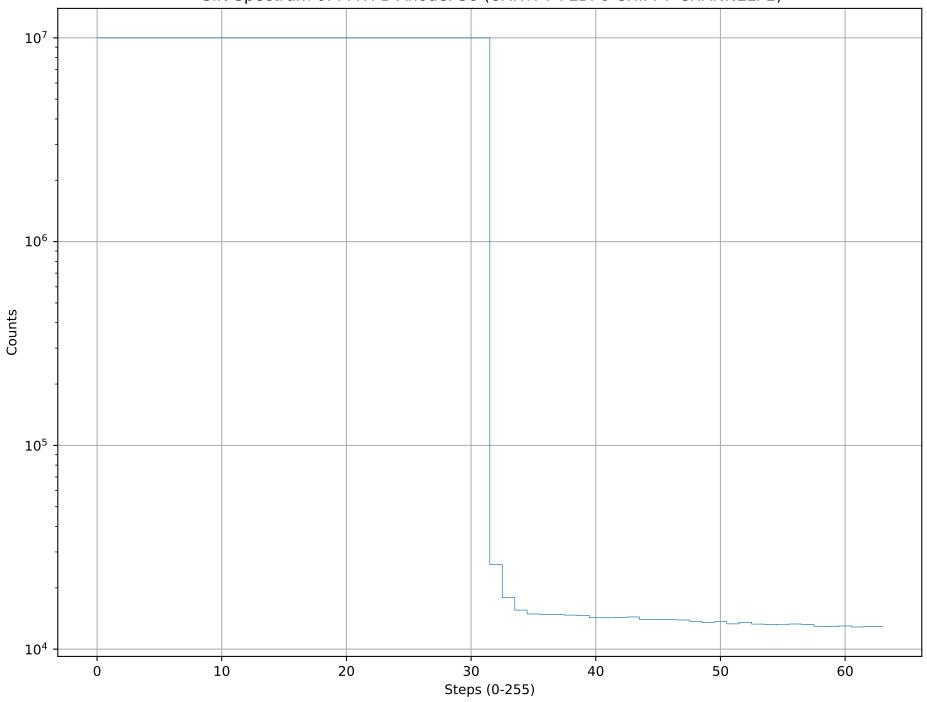
SIN Spectrum of PMT: B Anode: 36 (UART: 7 FEB: 0 CHIP: 5 CHANNEL: 6)



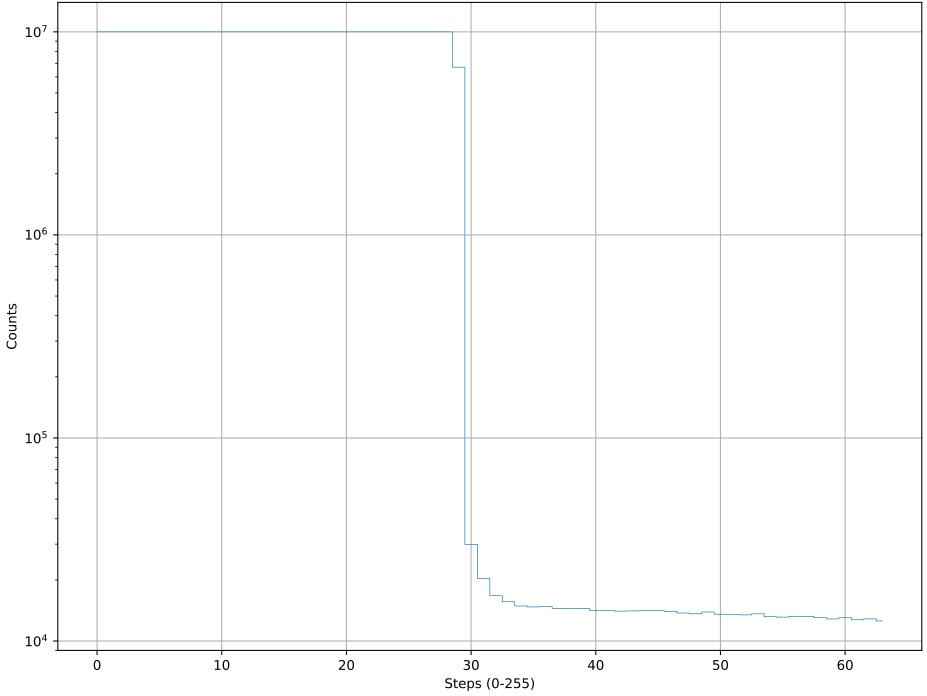
SIN Spectrum of PMT: B Anode: 37 (UART: 7 FEB: 0 CHIP: 7 CHANNEL: 0)



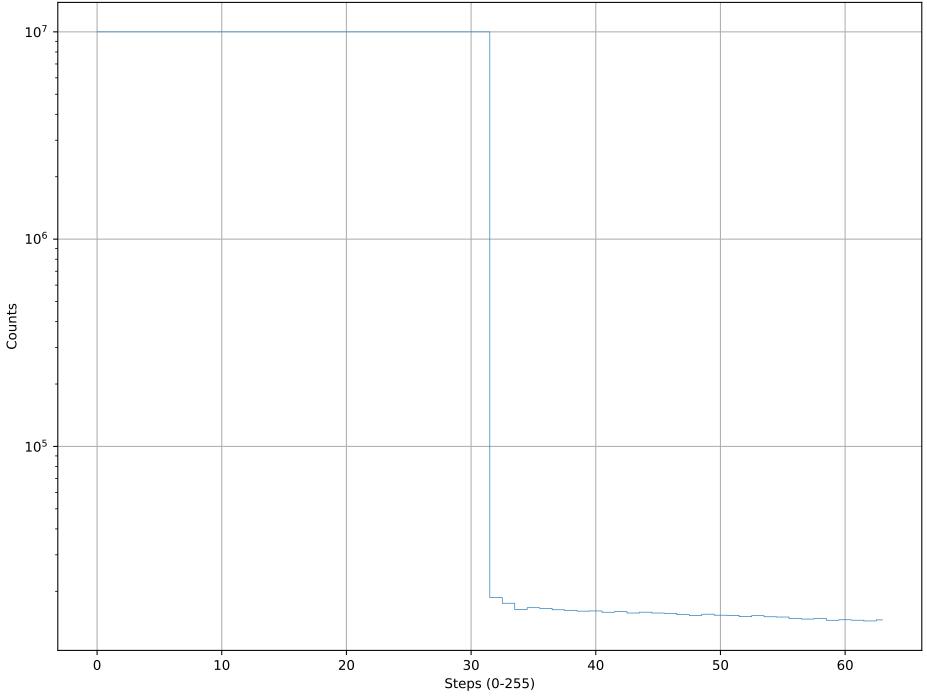
SIN Spectrum of PMT: B Anode: 38 (UART: 7 FEB: 0 CHIP: 7 CHANNEL: 2)



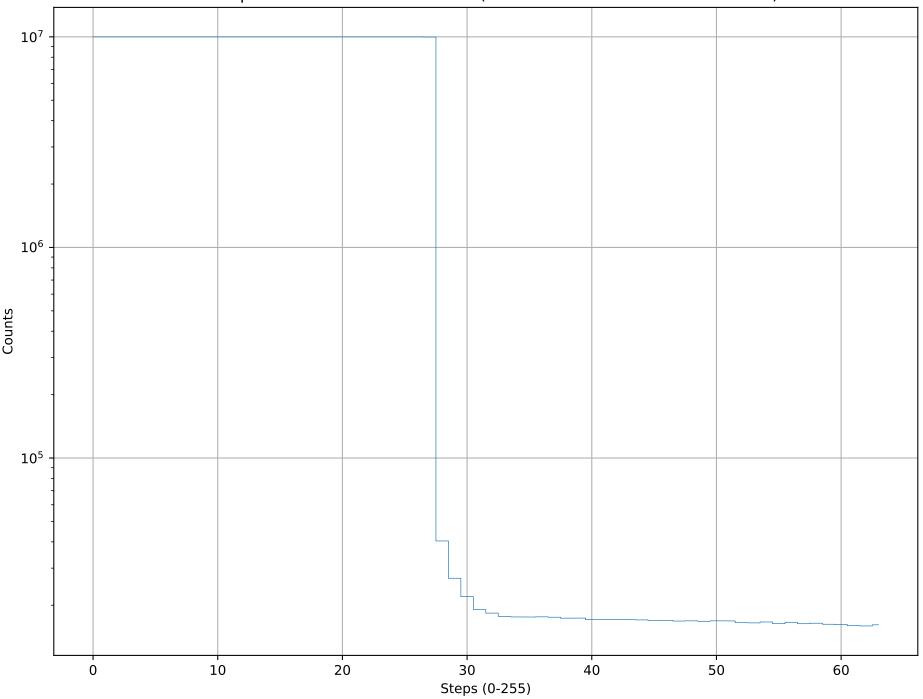
SIN Spectrum of PMT: B Anode: 39 (UART: 7 FEB: 0 CHIP: 7 CHANNEL: 4)



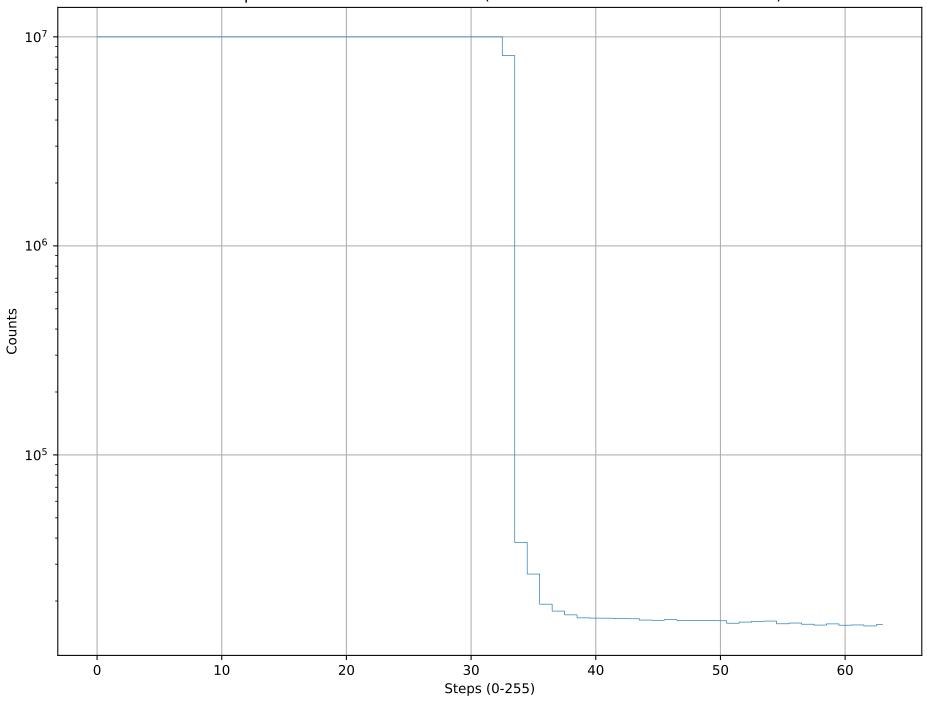
SIN Spectrum of PMT: B Anode: 40 (UART: 7 FEB: 0 CHIP: 7 CHANNEL: 6)



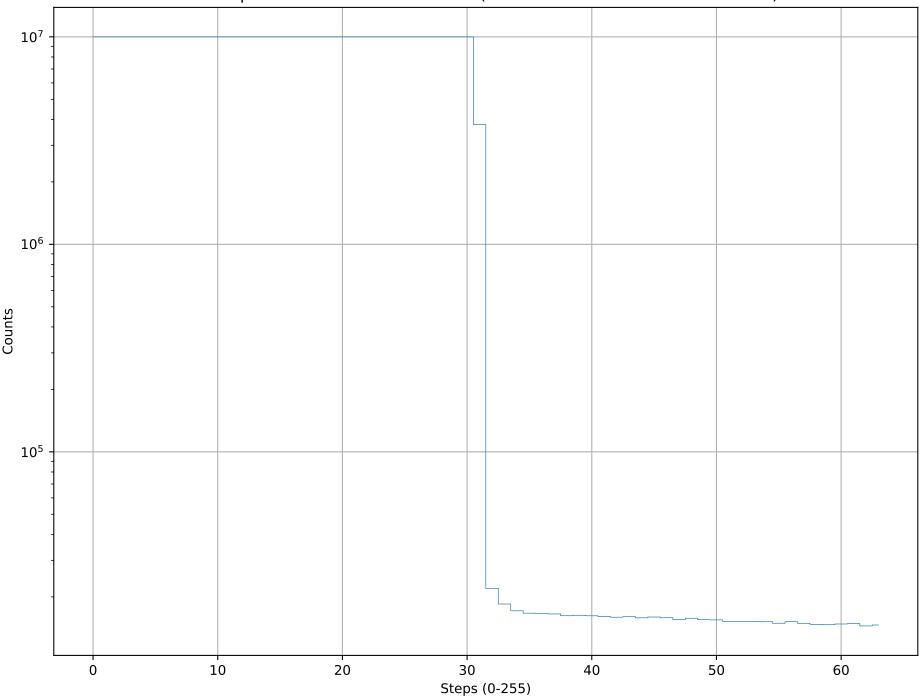
SIN Spectrum of PMT: B Anode: 41 (UART: 7 FEB: 0 CHIP: 5 CHANNEL: 0)



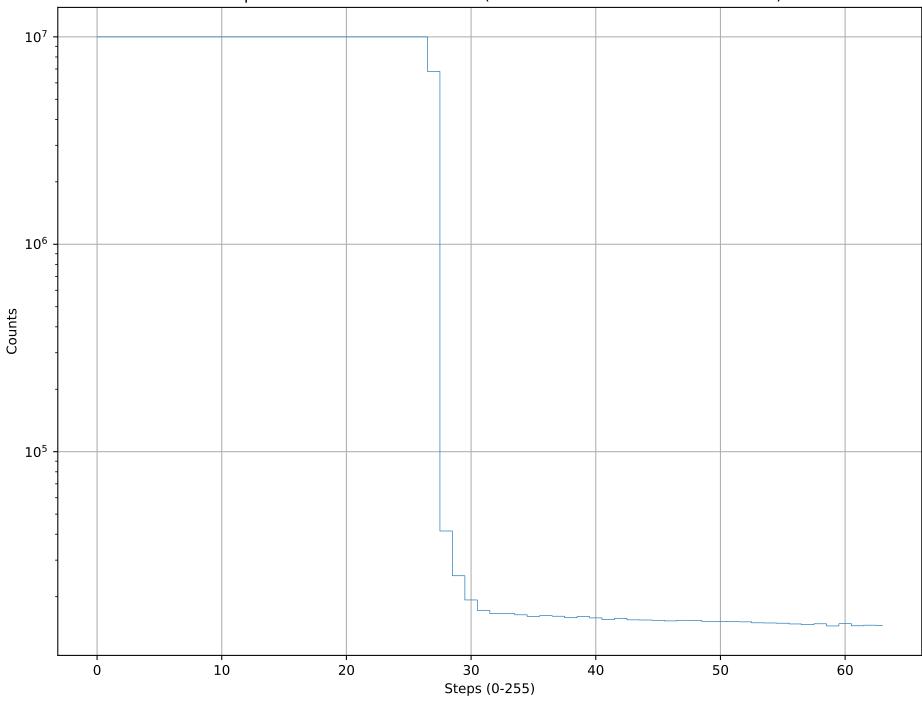
SIN Spectrum of PMT: B Anode: 42 (UART: 7 FEB: 0 CHIP: 5 CHANNEL: 2)



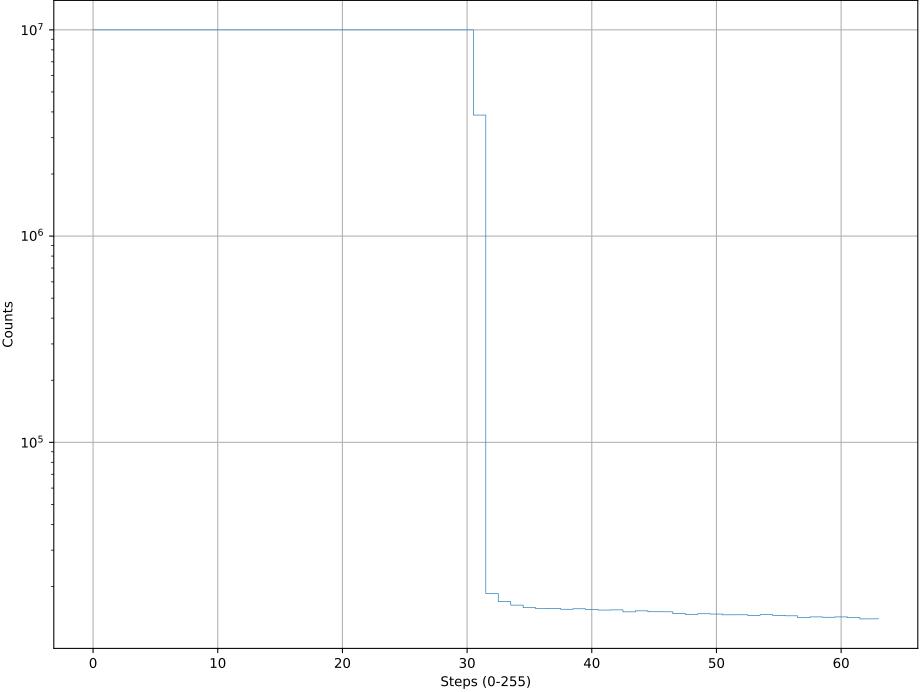
SIN Spectrum of PMT: B Anode: 43 (UART: 7 FEB: 0 CHIP: 5 CHANNEL: 4)



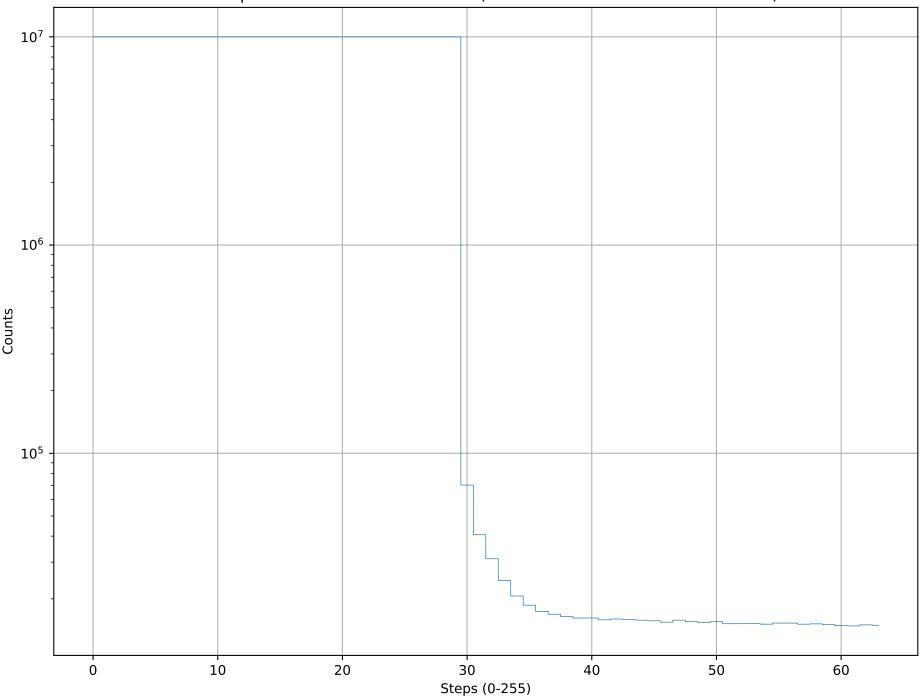
SIN Spectrum of PMT: B Anode: 44 (UART: 7 FEB: 0 CHIP: 5 CHANNEL: 7)



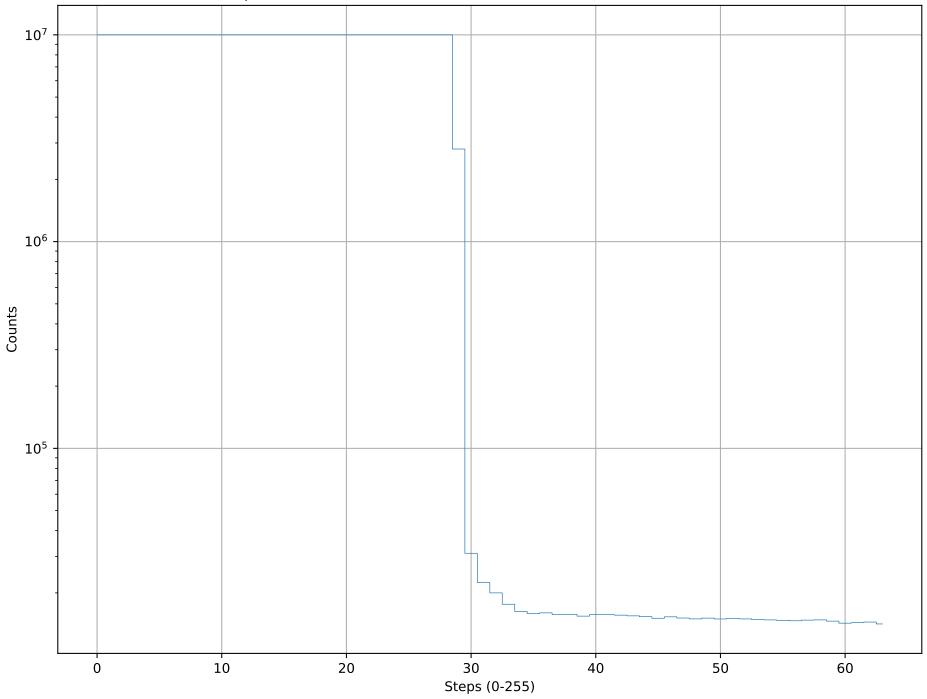
SIN Spectrum of PMT: B Anode: 45 (UART: 7 FEB: 0 CHIP: 7 CHANNEL: 1)



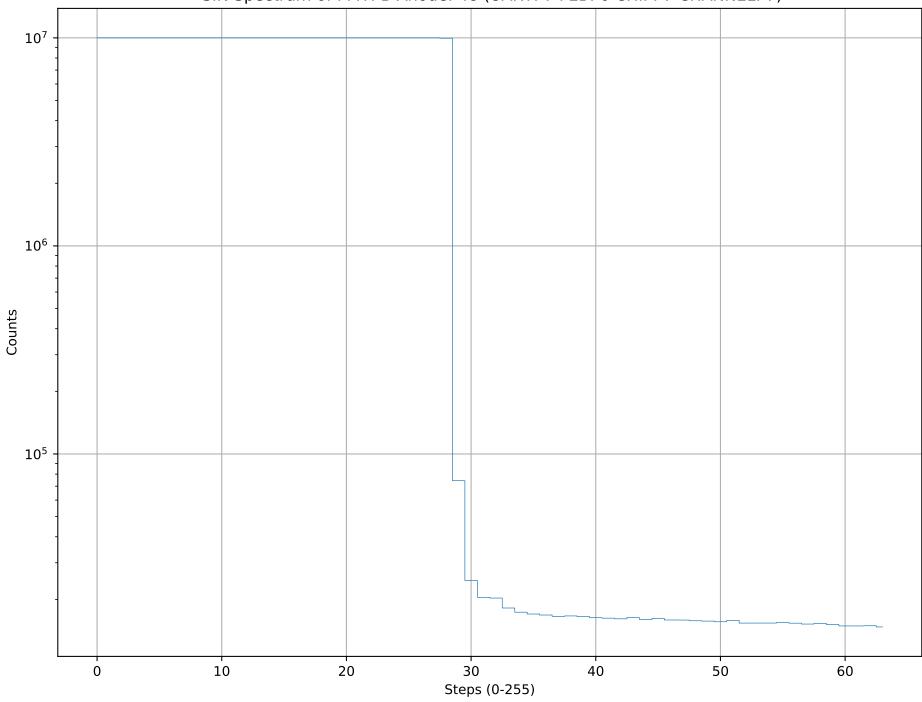
SIN Spectrum of PMT: B Anode: 46 (UART: 7 FEB: 0 CHIP: 7 CHANNEL: 3)



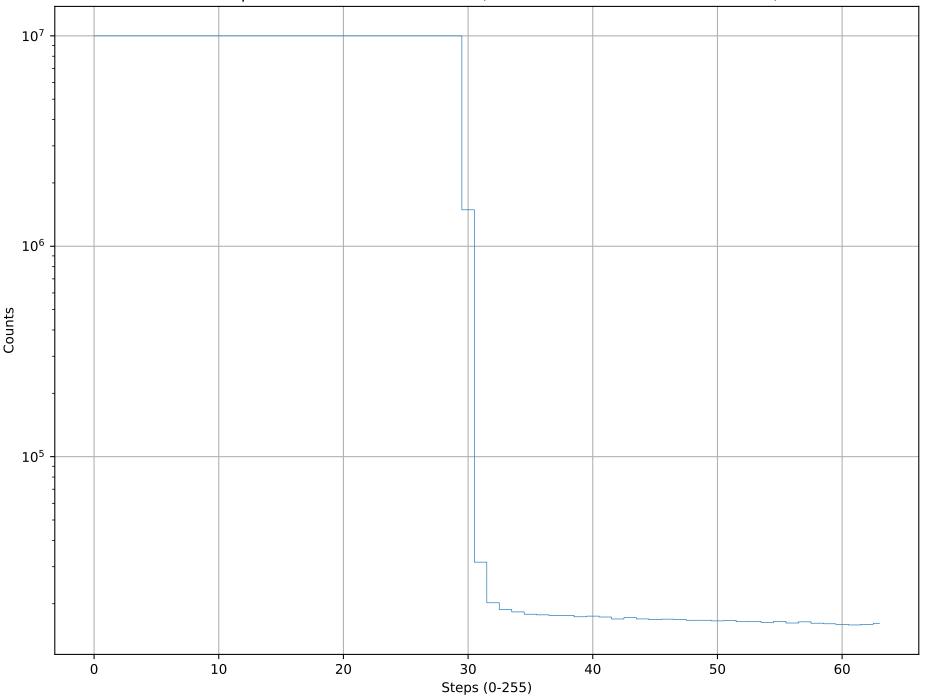
SIN Spectrum of PMT: B Anode: 47 (UART: 7 FEB: 0 CHIP: 7 CHANNEL: 5)



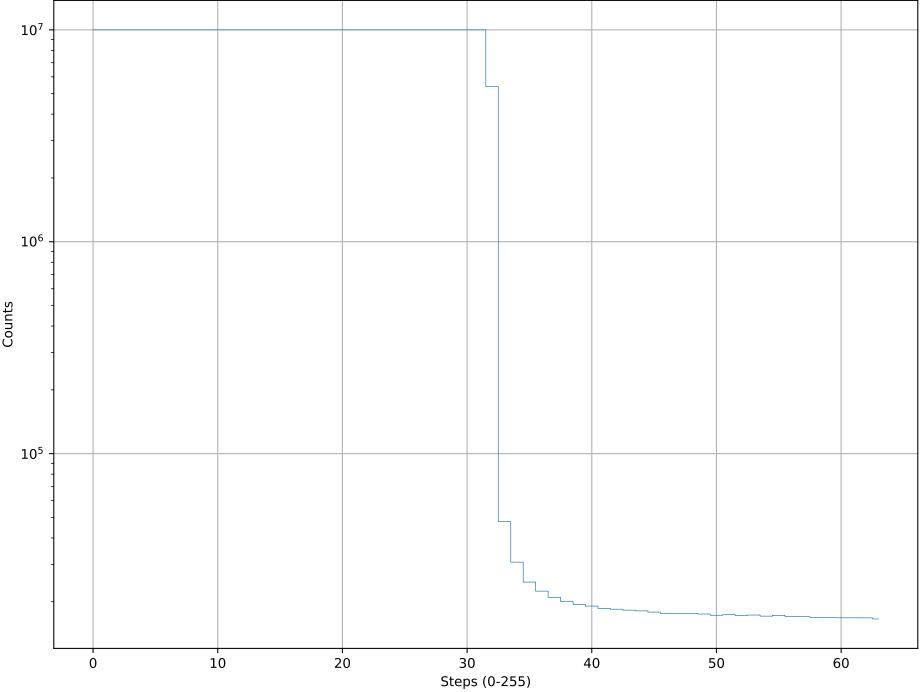
SIN Spectrum of PMT: B Anode: 48 (UART: 7 FEB: 0 CHIP: 7 CHANNEL: 7)



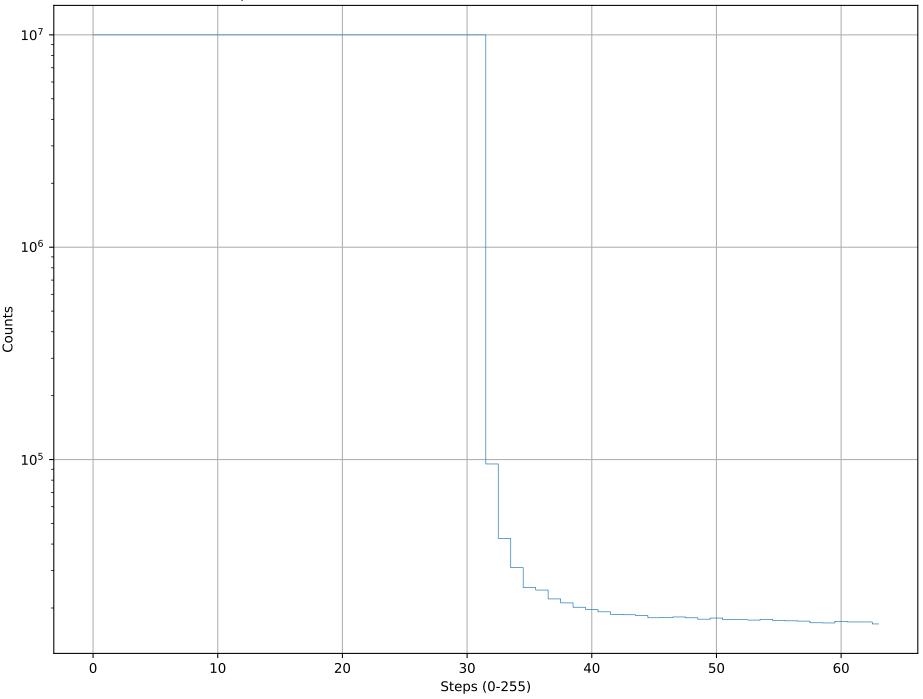
SIN Spectrum of PMT: B Anode: 49 (UART: 7 FEB: 0 CHIP: 4 CHANNEL: 6)



SIN Spectrum of PMT: B Anode: 50 (UART: 7 FEB: 0 CHIP: 4 CHANNEL: 4)



SIN Spectrum of PMT: B Anode: 51 (UART: 7 FEB: 0 CHIP: 4 CHANNEL: 2)



SIN Spectrum of PMT: B Anode: 52 (UART: 7 FEB: 0 CHIP: 4 CHANNEL: 0) 10^{7} 10^{6} 10^{5}

Steps (0-255)

40

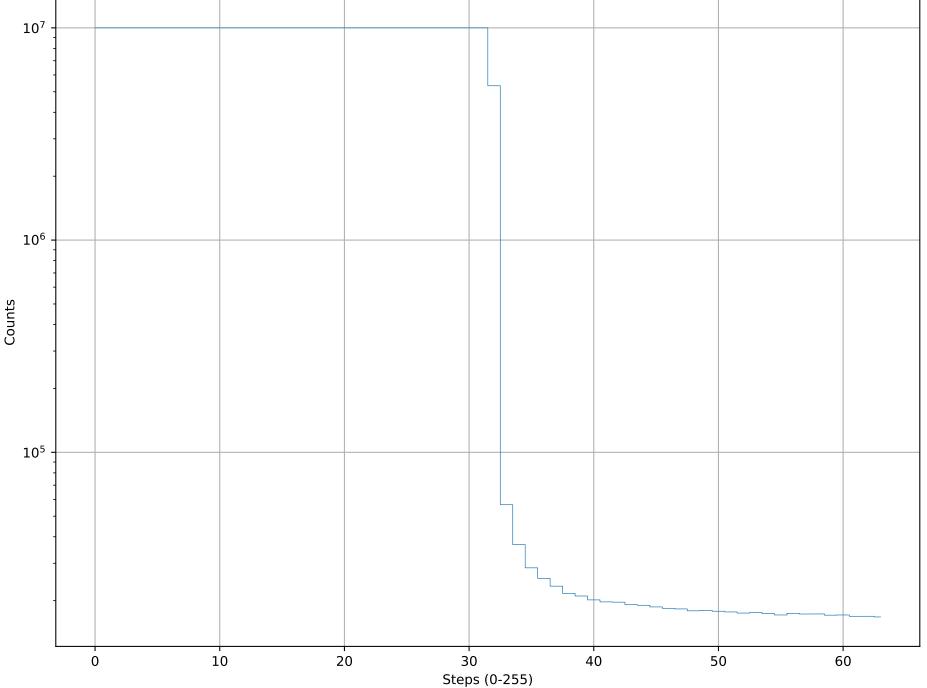
50

60

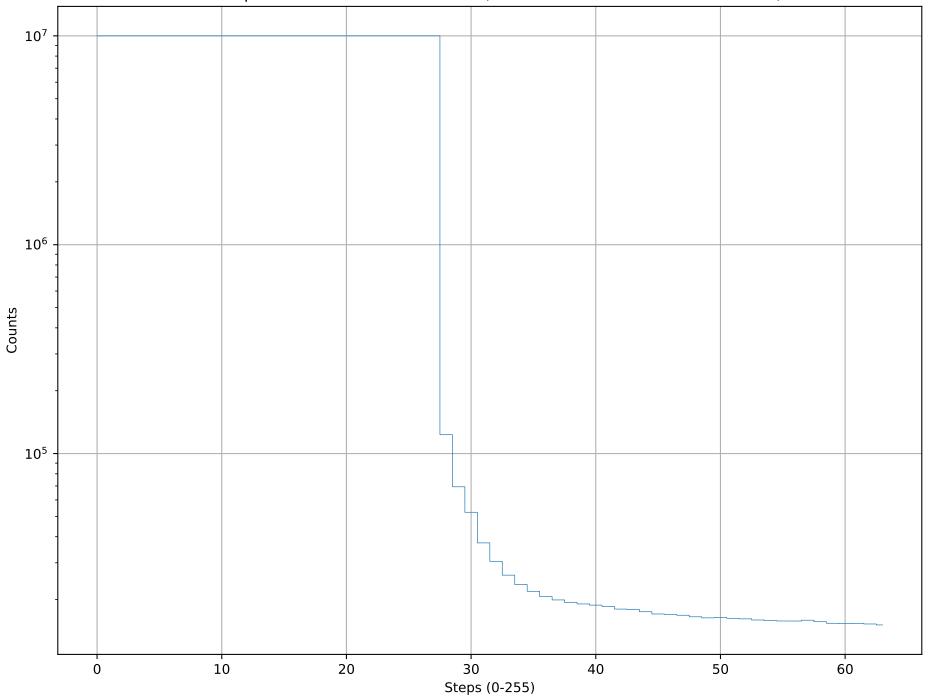
10

0

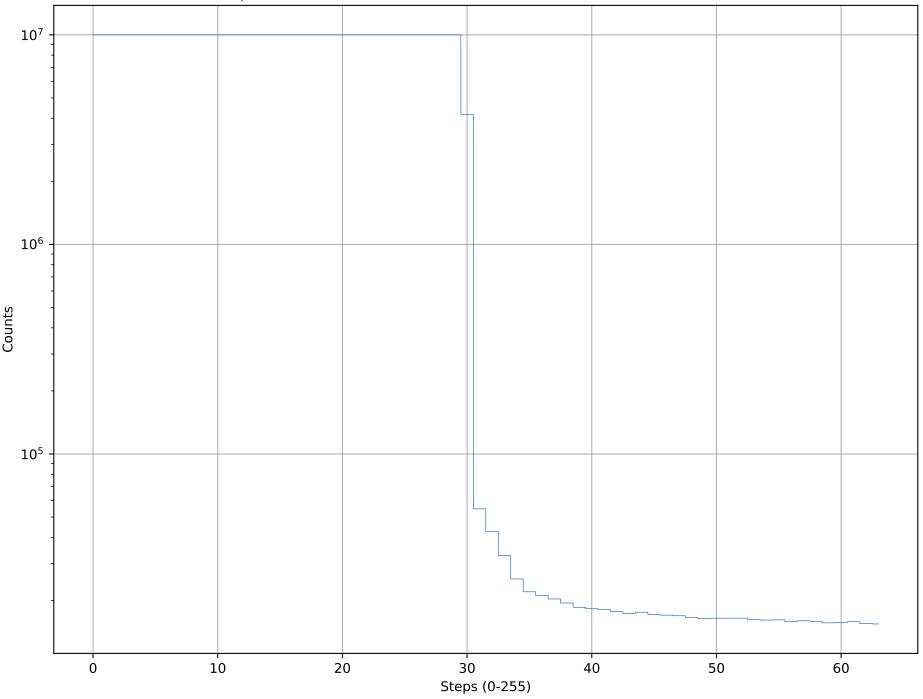
SIN Spectrum of PMT: B Anode: 53 (UART: 7 FEB: 0 CHIP: 6 CHANNEL: 7)



SIN Spectrum of PMT: B Anode: 54 (UART: 7 FEB: 0 CHIP: 6 CHANNEL: 5)



SIN Spectrum of PMT: B Anode: 55 (UART: 7 FEB: 0 CHIP: 6 CHANNEL: 3)



SIN Spectrum of PMT: B Anode: 56 (UART: 7 FEB: 0 CHIP: 6 CHANNEL: 1) 10^{7} 10^{6} 10^{5}

Steps (0-255)

40

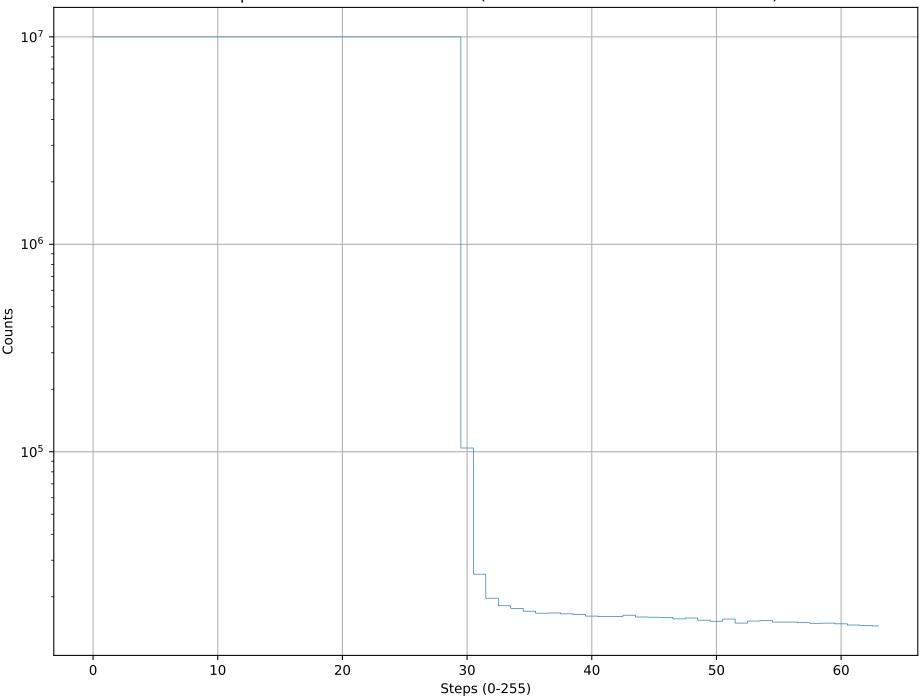
50

60

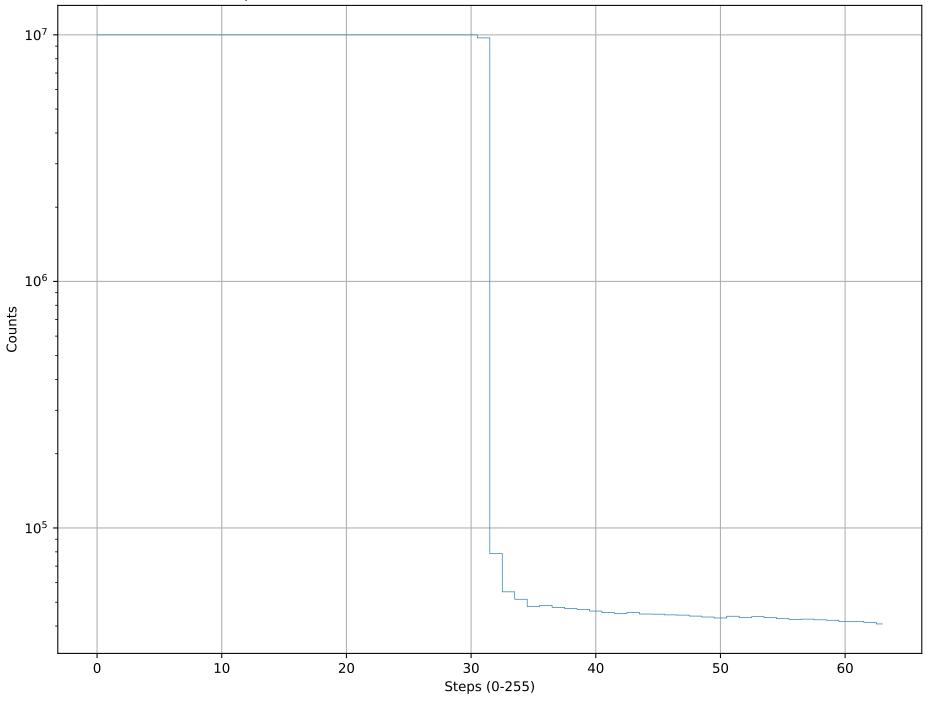
10

0

SIN Spectrum of PMT: B Anode: 57 (UART: 7 FEB: 0 CHIP: 4 CHANNEL: 7)



SIN Spectrum of PMT: B Anode: 58 (UART: 7 FEB: 0 CHIP: 4 CHANNEL: 5)



SIN Spectrum of PMT: B Anode: 59 (UART: 7 FEB: 0 CHIP: 4 CHANNEL: 3) 10^{7} 10^{6} Counts 10^{5}

Steps (0-255)

40

50

60

10

0

SIN Spectrum of PMT: B Anode: 60 (UART: 7 FEB: 0 CHIP: 4 CHANNEL: 1) 10^{7} 10^{6} Counts 10⁵

Steps (0-255)

40

50

60

10

0

SIN Spectrum of PMT: B Anode: 61 (UART: 7 FEB: 0 CHIP: 6 CHANNEL: 6) 10^{7} 10^{6} Counts 10⁵

Steps (0-255)

40

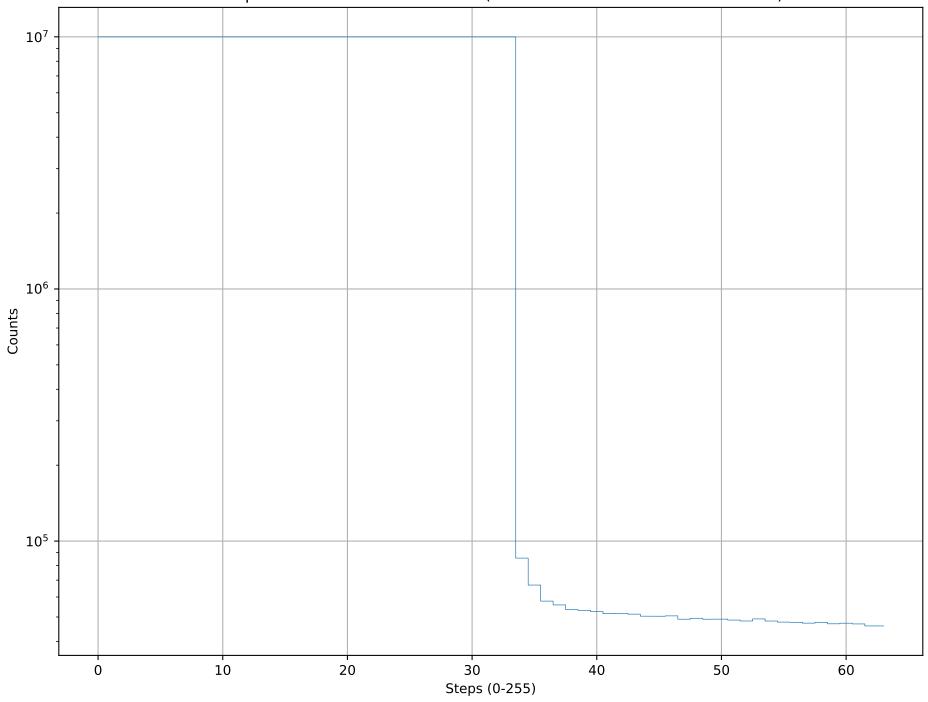
50

60

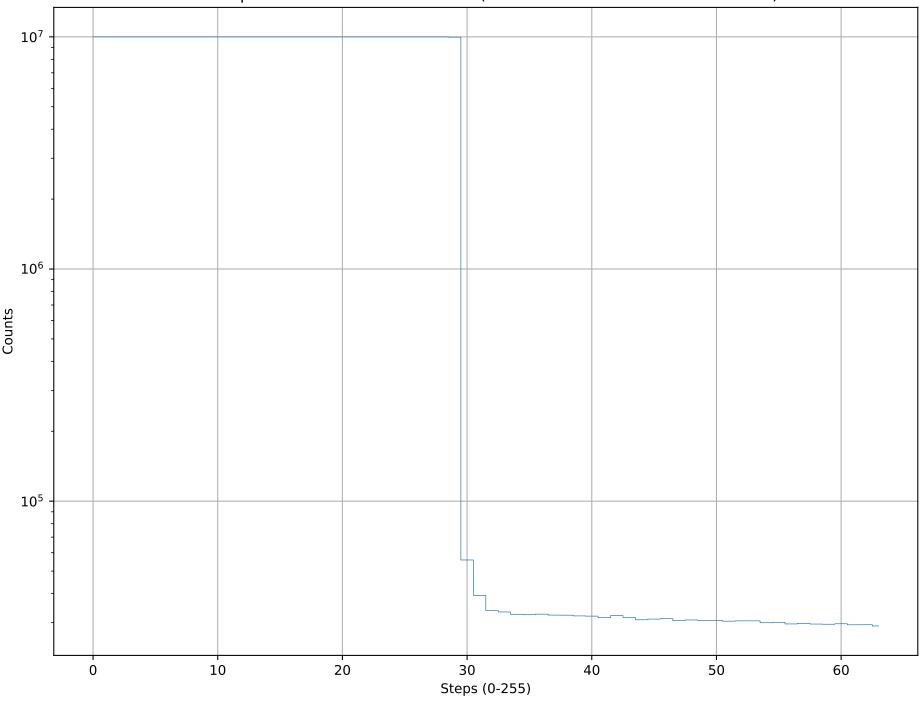
10

0

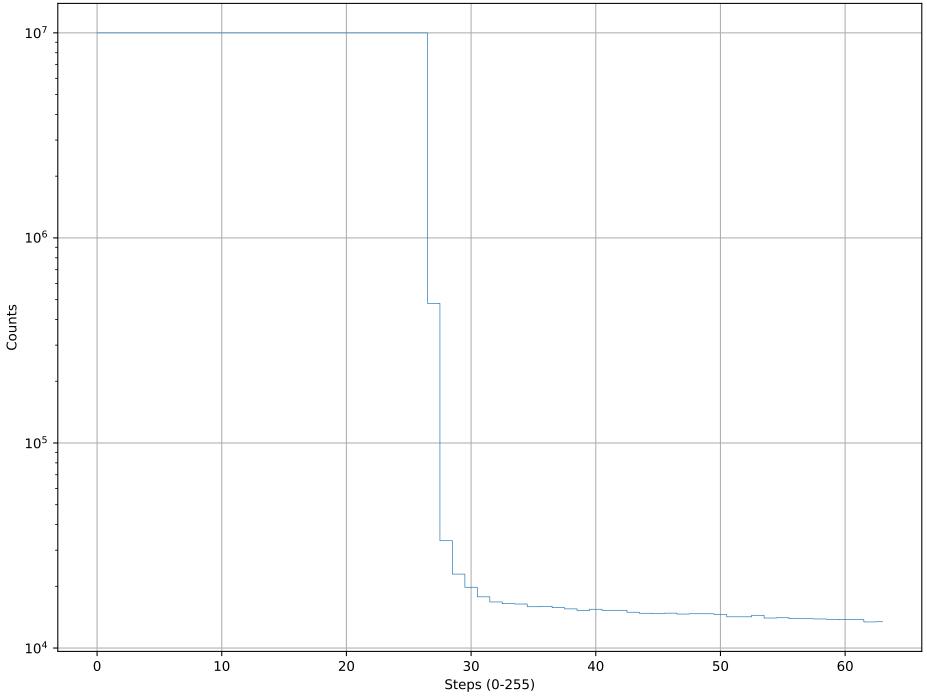
SIN Spectrum of PMT: B Anode: 62 (UART: 7 FEB: 0 CHIP: 6 CHANNEL: 4)



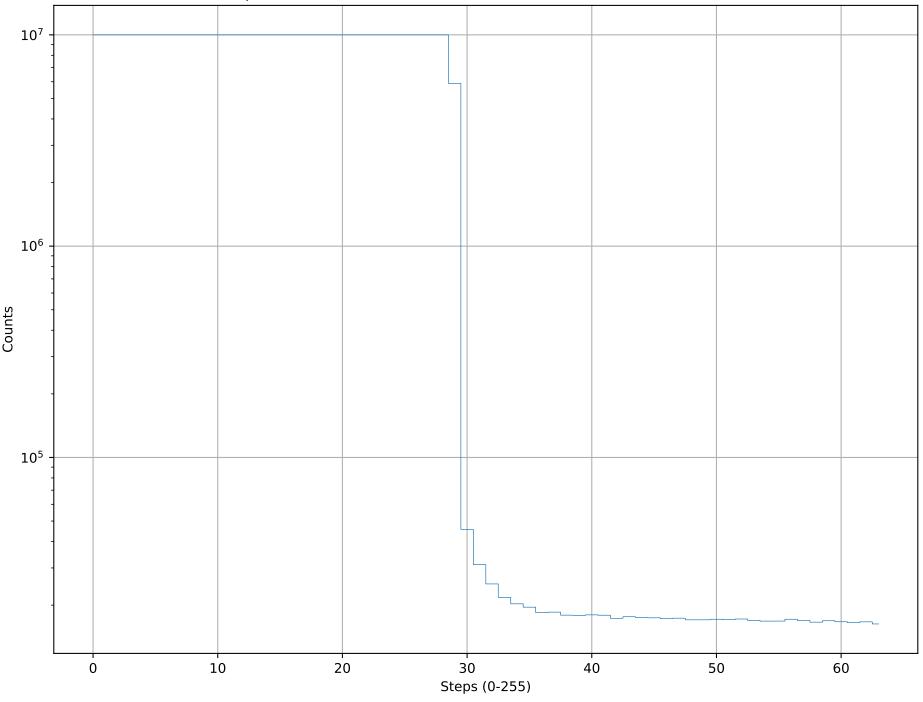
SIN Spectrum of PMT: B Anode: 63 (UART: 7 FEB: 0 CHIP: 6 CHANNEL: 2)



SIN Spectrum of PMT: B Anode: 64 (UART: 7 FEB: 0 CHIP: 6 CHANNEL: 0)



SIN Spectrum of PMT: C Anode: 1 (UART: 7 FEB: 1 CHIP: 3 CHANNEL: 7)



SIN Spectrum of PMT: C Anode: 2 (UART: 7 FEB: 1 CHIP: 3 CHANNEL: 6) 10^{7} 10^{6} 10⁵ 10 20 50 30 40 60 0

SIN Spectrum of PMT: C Anode: 3 (UART: 7 FEB: 1 CHIP: 2 CHANNEL: 0) 10^{7} 10^{6} 10⁵ 10 20 50 30 40 60 0

SIN Spectrum of PMT: C Anode: 4 (UART: 7 FEB: 1 CHIP: 2 CHANNEL: 1) 10^{7} 10^{6} 10^{5}

Steps (0-255)

40

50

60

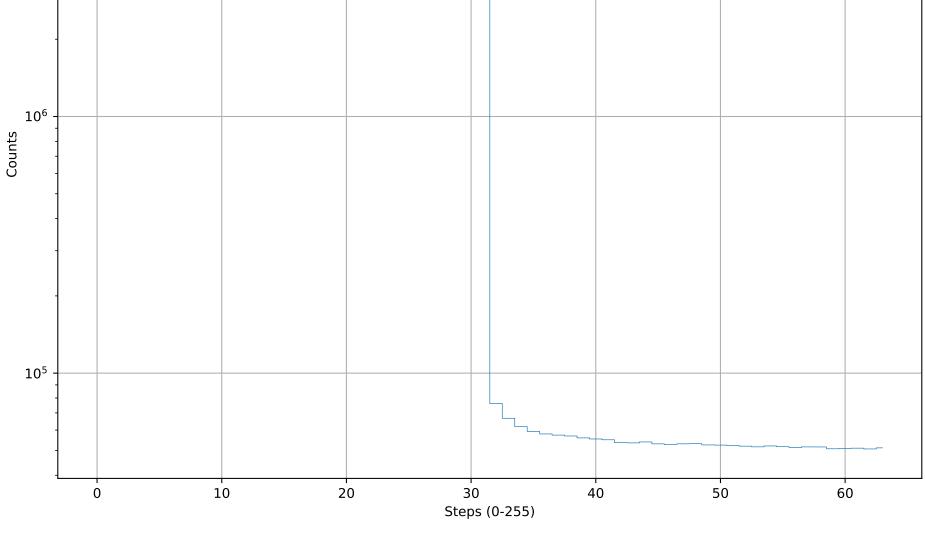
10

0

SIN Spectrum of PMT: C Anode: 5 (UART: 7 FEB: 0 CHIP: 3 CHANNEL: 6) 10^{7} 10^{6} Counts 10^{5} 10 20 50 30 60

0

SIN Spectrum of PMT: C Anode: 6 (UART: 7 FEB: 0 CHIP: 3 CHANNEL: 7) 10^{7} 10⁶ ·



SIN Spectrum of PMT: C Anode: 7 (UART: 7 FEB: 0 CHIP: 2 CHANNEL: 1) 10^{7} 10^{6} 10⁵ 10 20 30 40 60 0 50

SIN Spectrum of PMT: C Anode: 8 (UART: 7 FEB: 0 CHIP: 2 CHANNEL: 0) 10⁷ 10^{6} 10^{5} 10 20 50

Steps (0-255)

0

40

SIN Spectrum of PMT: C Anode: 9 (UART: 7 FEB: 1 CHIP: 3 CHANNEL: 5) 10^{7} 10^{6} 10^{5}

Steps (0-255)

40

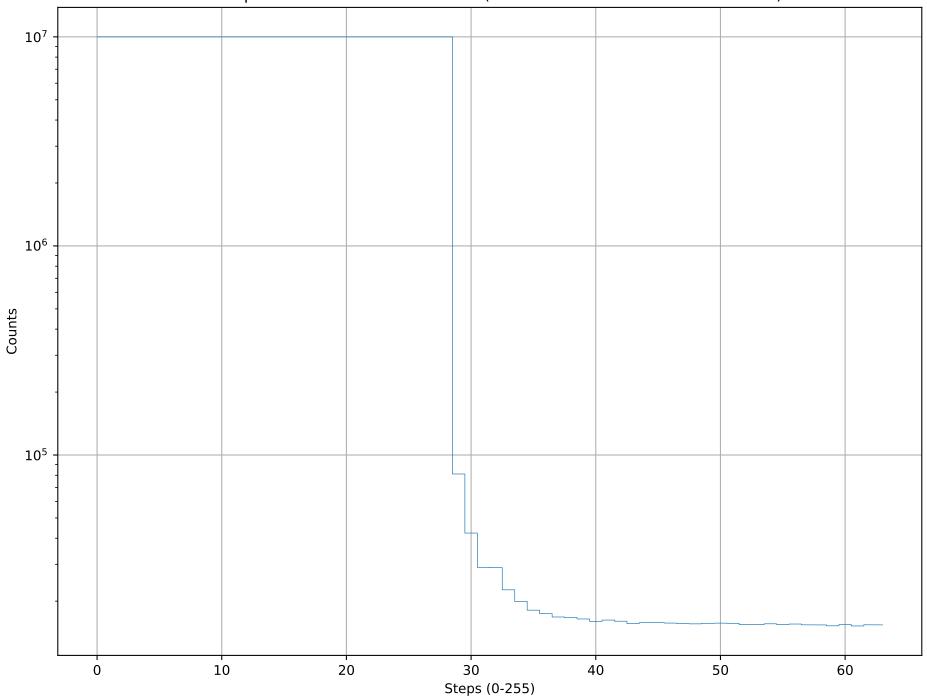
50

60

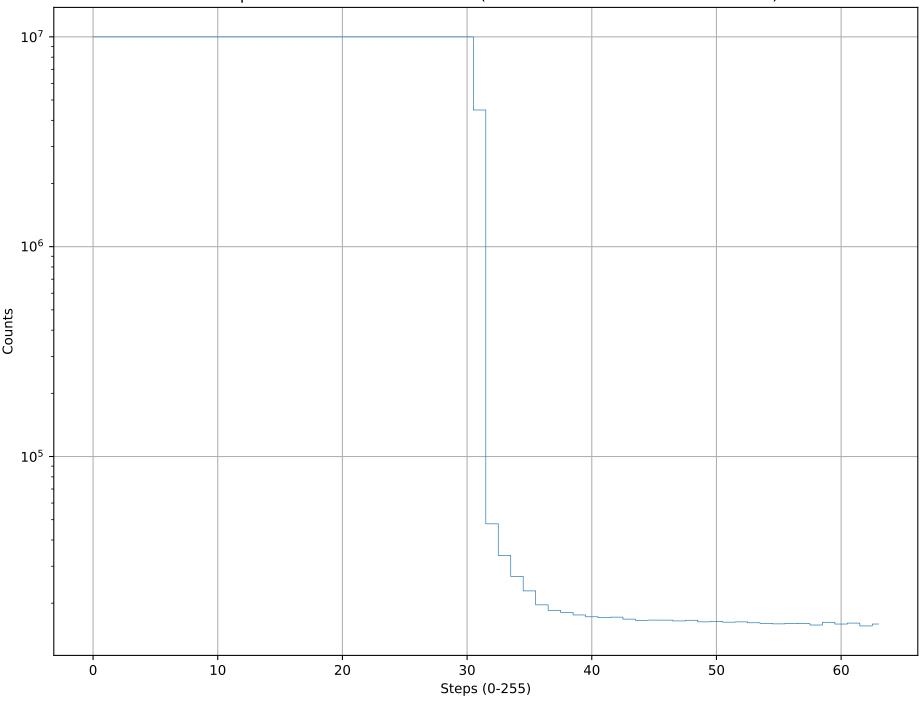
10

0

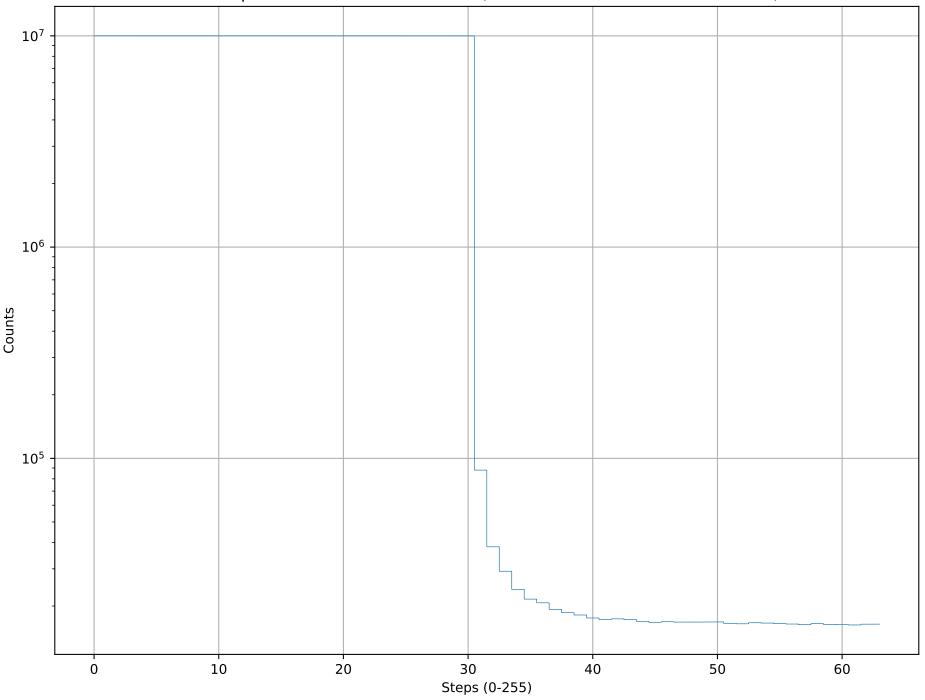
SIN Spectrum of PMT: C Anode: 10 (UART: 7 FEB: 1 CHIP: 3 CHANNEL: 4)



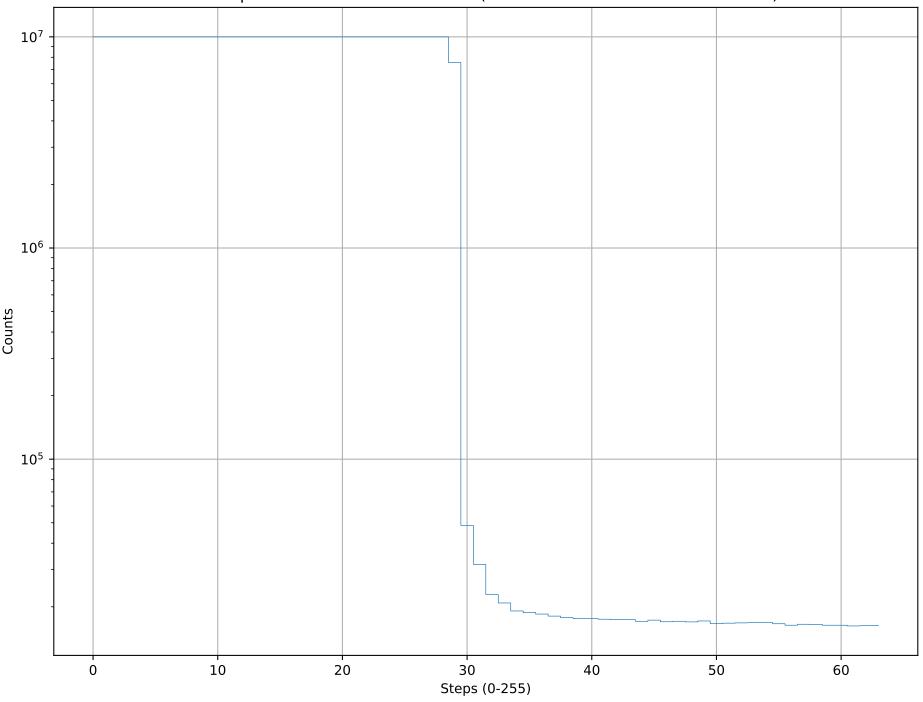
SIN Spectrum of PMT: C Anode: 11 (UART: 7 FEB: 1 CHIP: 2 CHANNEL: 2)



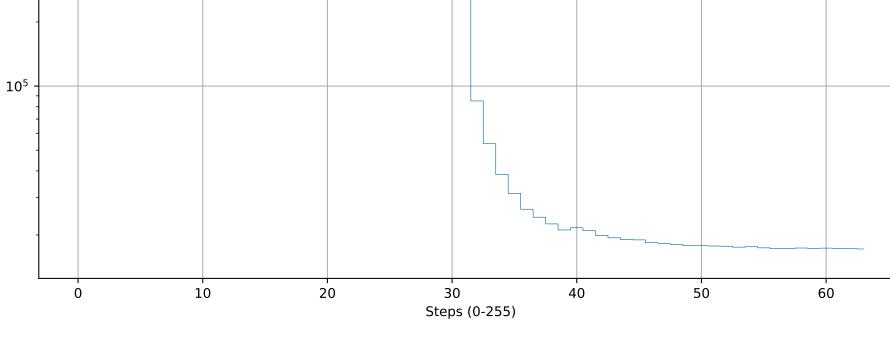
SIN Spectrum of PMT: C Anode: 12 (UART: 7 FEB: 1 CHIP: 2 CHANNEL: 3)



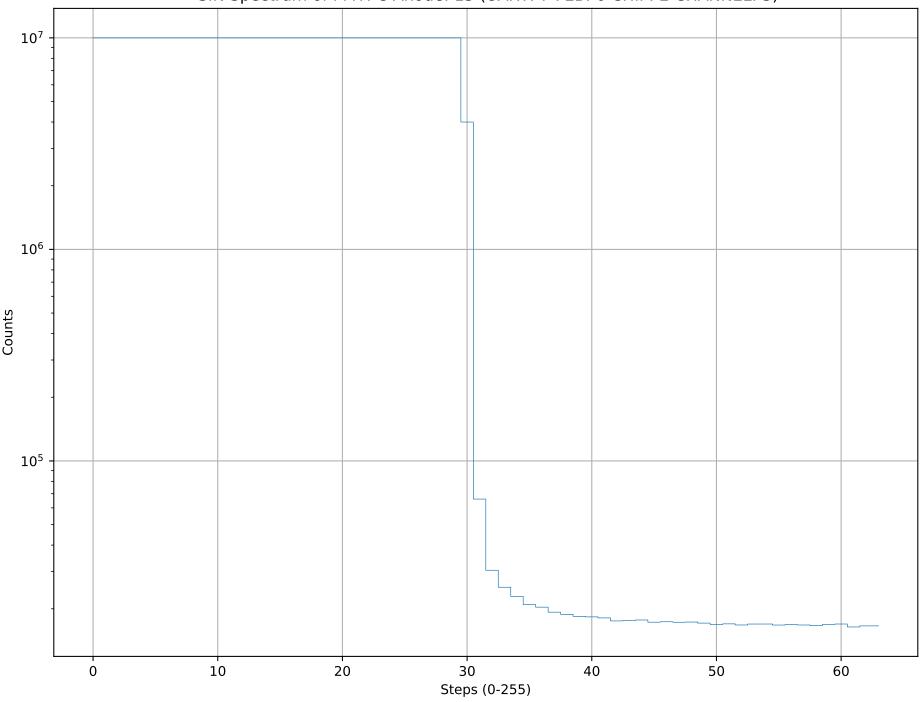
SIN Spectrum of PMT: C Anode: 13 (UART: 7 FEB: 0 CHIP: 3 CHANNEL: 4)



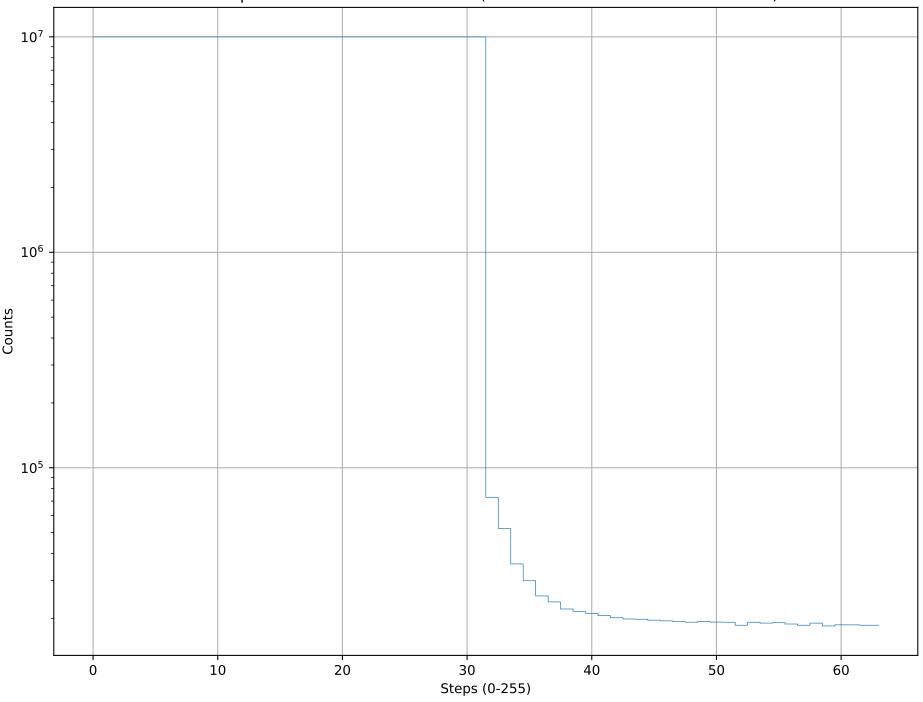
SIN Spectrum of PMT: C Anode: 14 (UART: 7 FEB: 0 CHIP: 3 CHANNEL: 5) 10^{7} 10^{6}



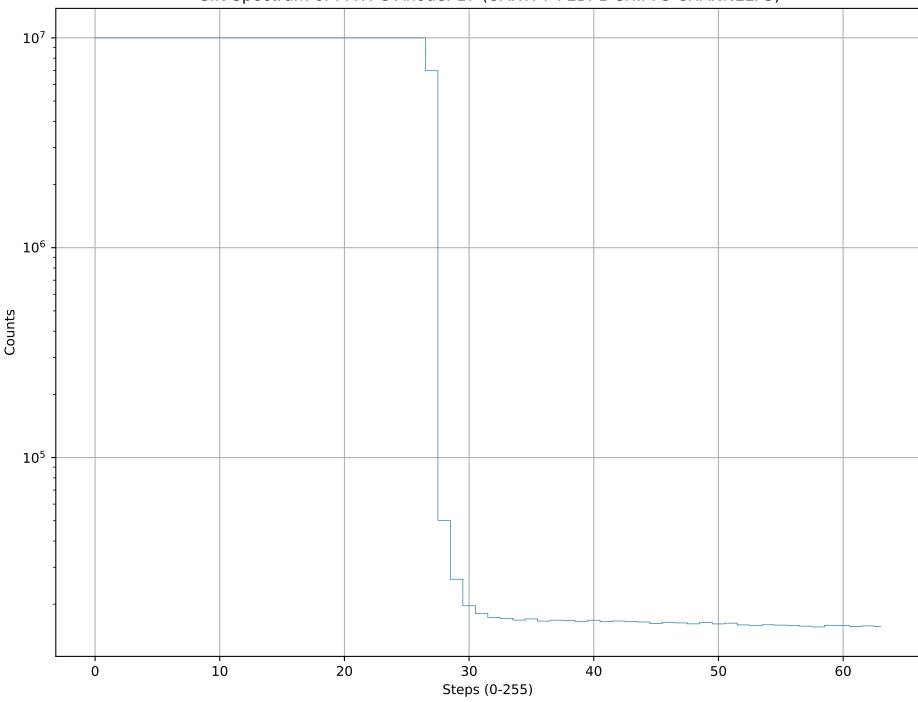
SIN Spectrum of PMT: C Anode: 15 (UART: 7 FEB: 0 CHIP: 2 CHANNEL: 3)



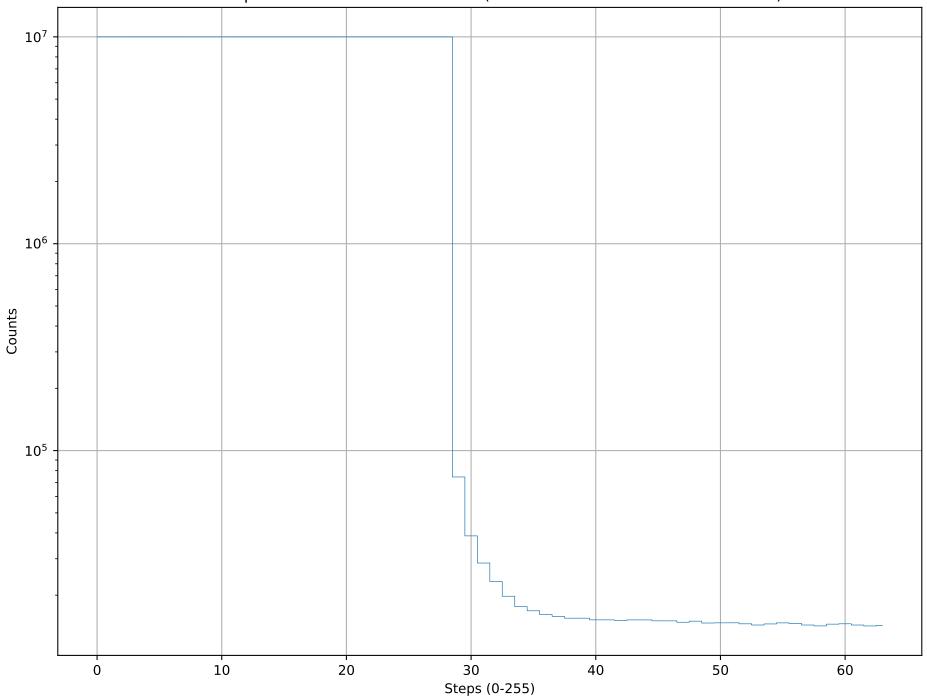
SIN Spectrum of PMT: C Anode: 16 (UART: 7 FEB: 0 CHIP: 2 CHANNEL: 2)



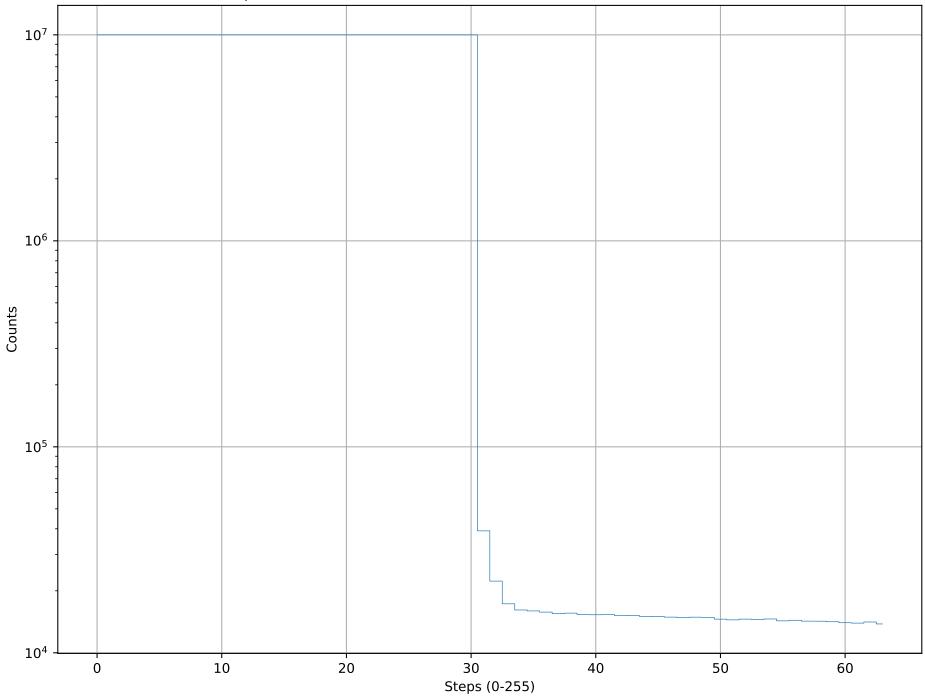
SIN Spectrum of PMT: C Anode: 17 (UART: 7 FEB: 1 CHIP: 3 CHANNEL: 3)



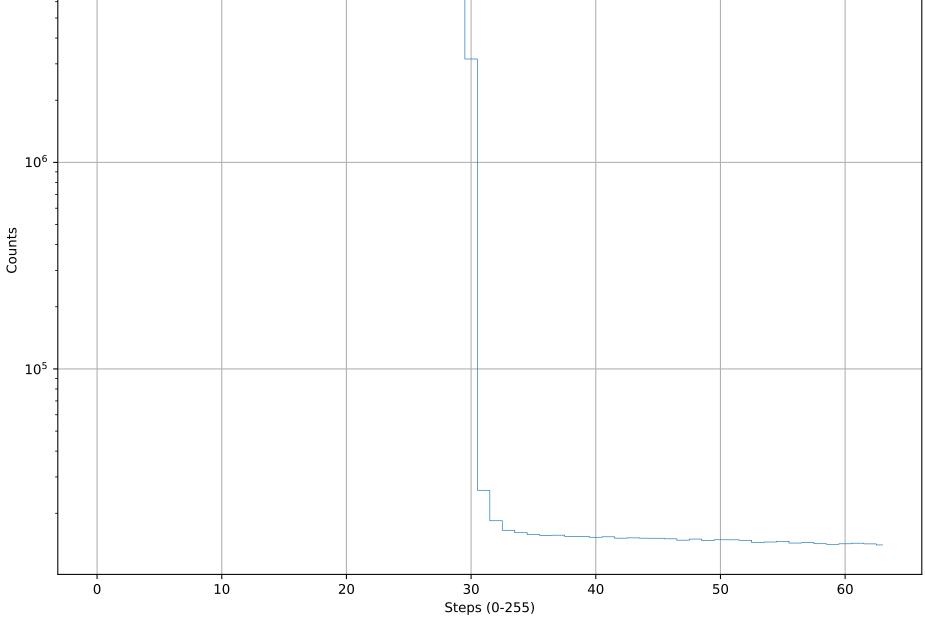
SIN Spectrum of PMT: C Anode: 18 (UART: 7 FEB: 1 CHIP: 3 CHANNEL: 2)



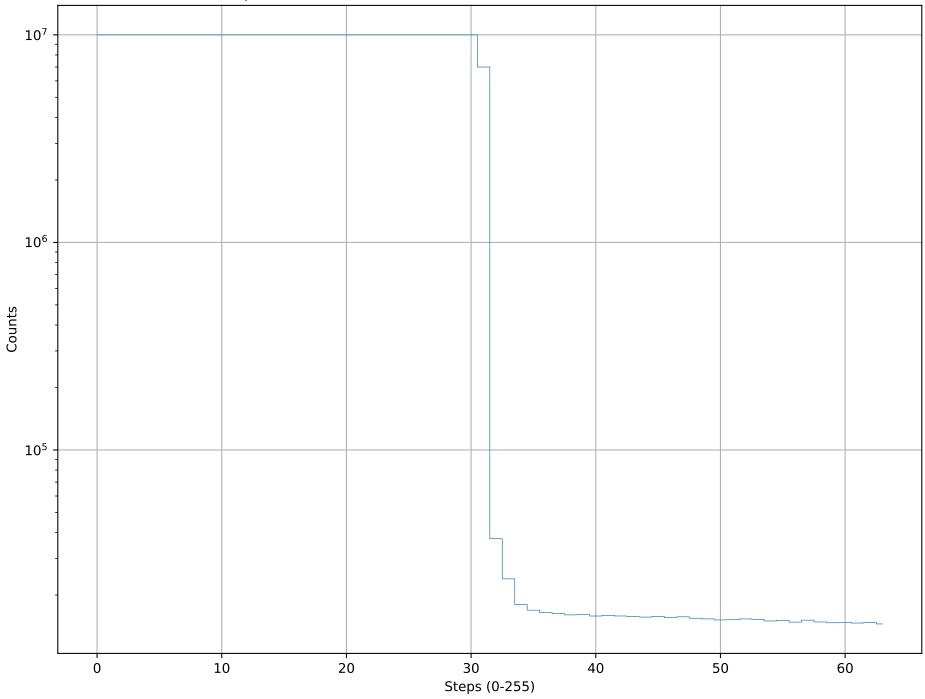
SIN Spectrum of PMT: C Anode: 19 (UART: 7 FEB: 1 CHIP: 2 CHANNEL: 4)



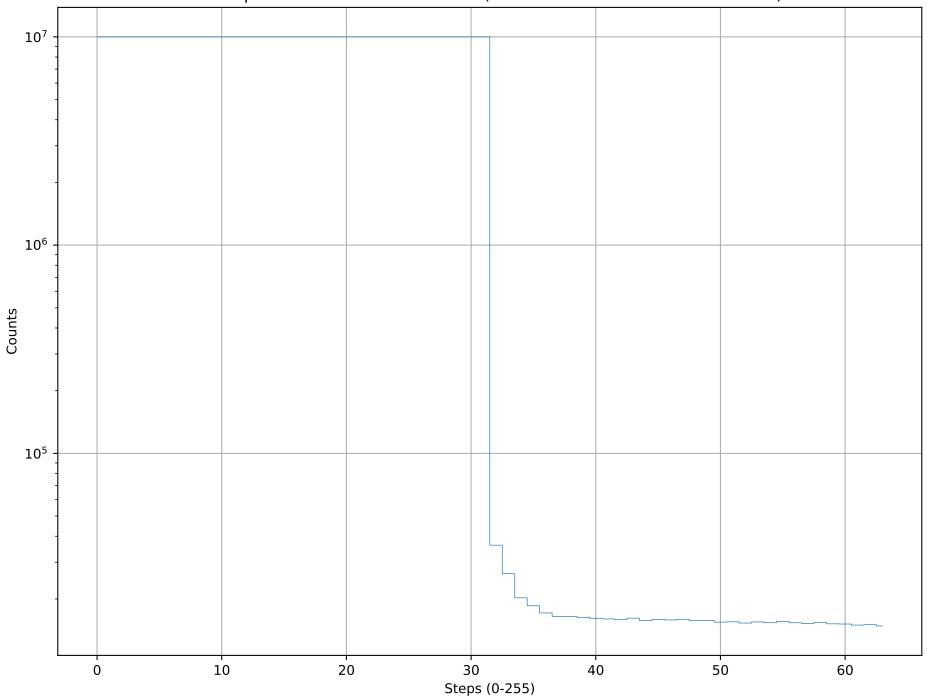
SIN Spectrum of PMT: C Anode: 20 (UART: 7 FEB: 1 CHIP: 2 CHANNEL: 5) 10^{7}



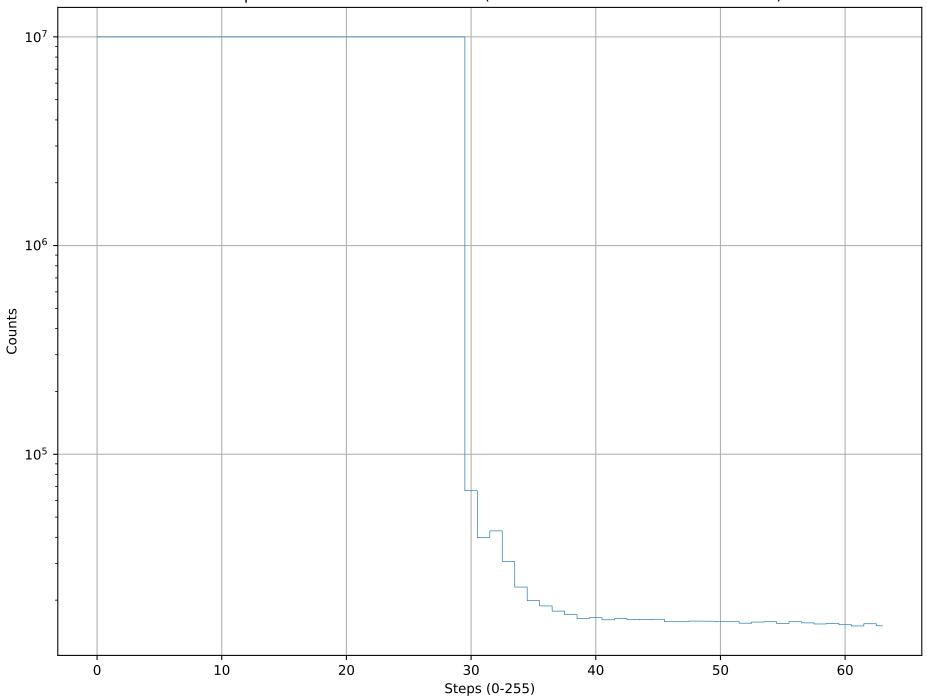
SIN Spectrum of PMT: C Anode: 21 (UART: 7 FEB: 0 CHIP: 3 CHANNEL: 2)



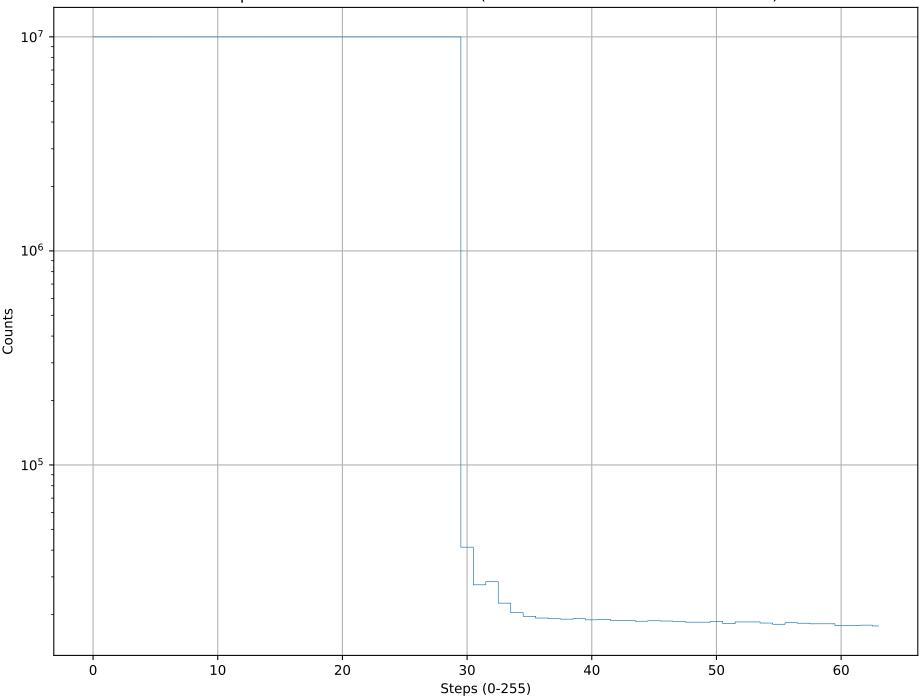
SIN Spectrum of PMT: C Anode: 22 (UART: 7 FEB: 0 CHIP: 3 CHANNEL: 3)



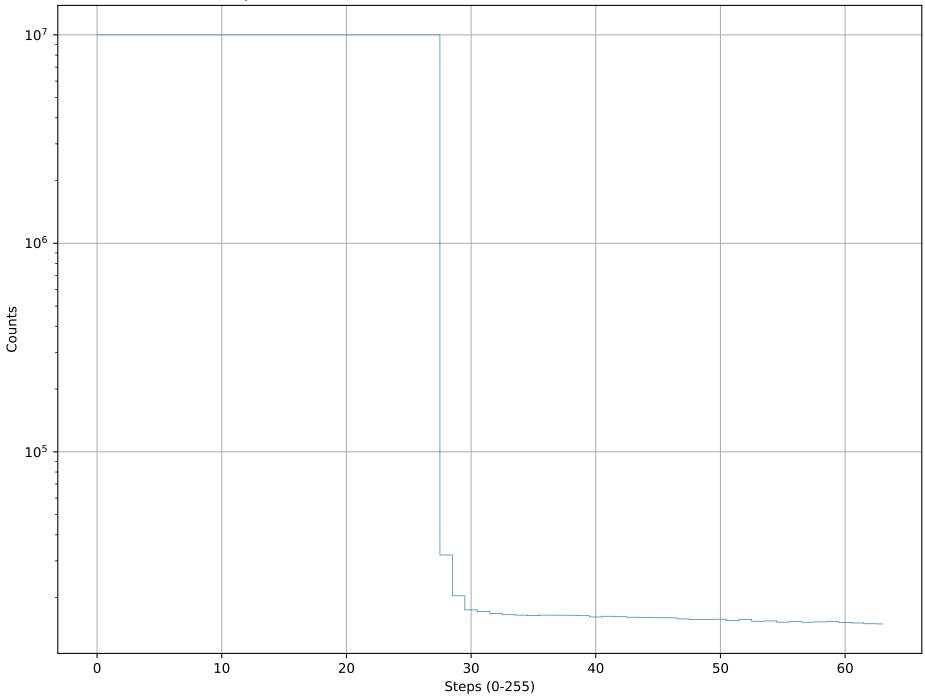
SIN Spectrum of PMT: C Anode: 23 (UART: 7 FEB: 0 CHIP: 2 CHANNEL: 5)



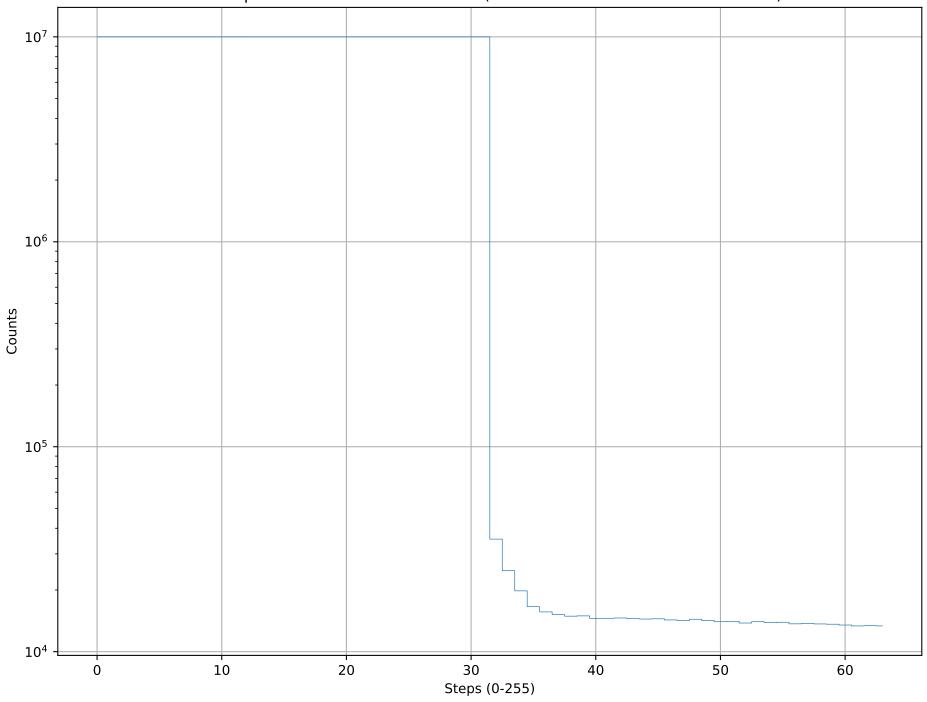
SIN Spectrum of PMT: C Anode: 24 (UART: 7 FEB: 0 CHIP: 2 CHANNEL: 4)



SIN Spectrum of PMT: C Anode: 25 (UART: 7 FEB: 1 CHIP: 3 CHANNEL: 1)



SIN Spectrum of PMT: C Anode: 26 (UART: 7 FEB: 1 CHIP: 3 CHANNEL: 0)



SIN Spectrum of PMT: C Anode: 27 (UART: 7 FEB: 1 CHIP: 2 CHANNEL: 7) 10^{7} 10^{6} Counts 10^{5}

Steps (0-255)

40

50

60

104 -

0

10

SIN Spectrum of PMT: C Anode: 28 (UART: 7 FEB: 1 CHIP: 2 CHANNEL: 6) 10^{7} 10^{6} Counts 10⁵

Steps (0-255)

40

50

60

104 -

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10

SIN Spectrum of PMT: C Anode: 29 (UART: 7 FEB: 0 CHIP: 3 CHANNEL: 1) 10^{7} 10^{6} Counts 10⁵

Steps (0-255)

40

50

60

 10^{4}

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10

SIN Spectrum of PMT: C Anode: 30 (UART: 7 FEB: 0 CHIP: 3 CHANNEL: 0) 10^{7} 10^{6} 10⁵ 10 20 50 30 40 60 0

Steps (0-255)

SIN Spectrum of PMT: C Anode: 31 (UART: 7 FEB: 0 CHIP: 2 CHANNEL: 7) 10^{7} 10^{6} Counts 10^{5}

Steps (0-255)

40

50

60

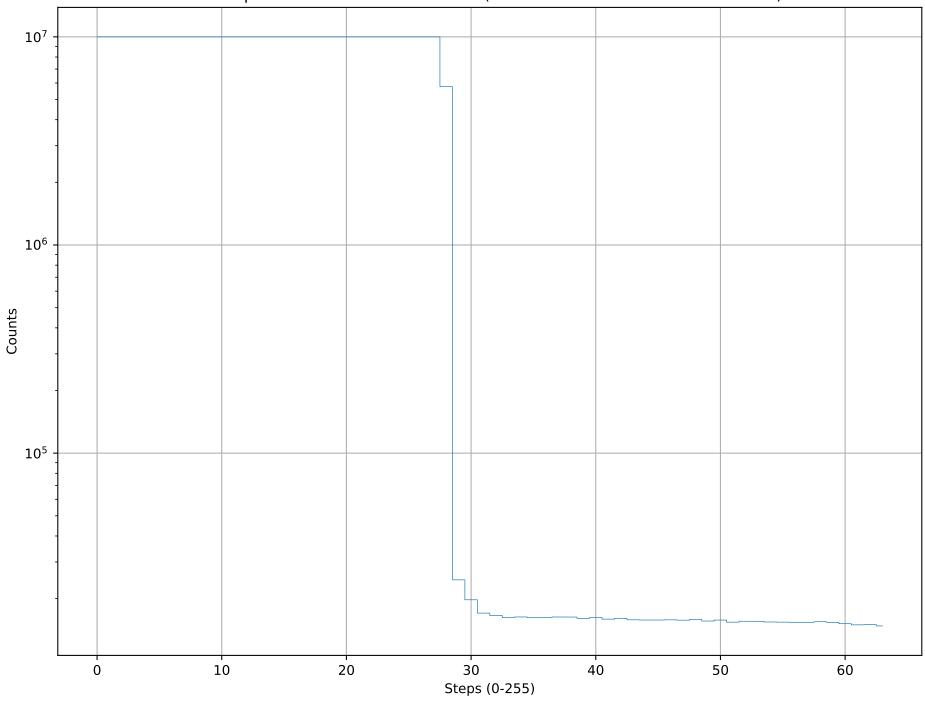
10

0

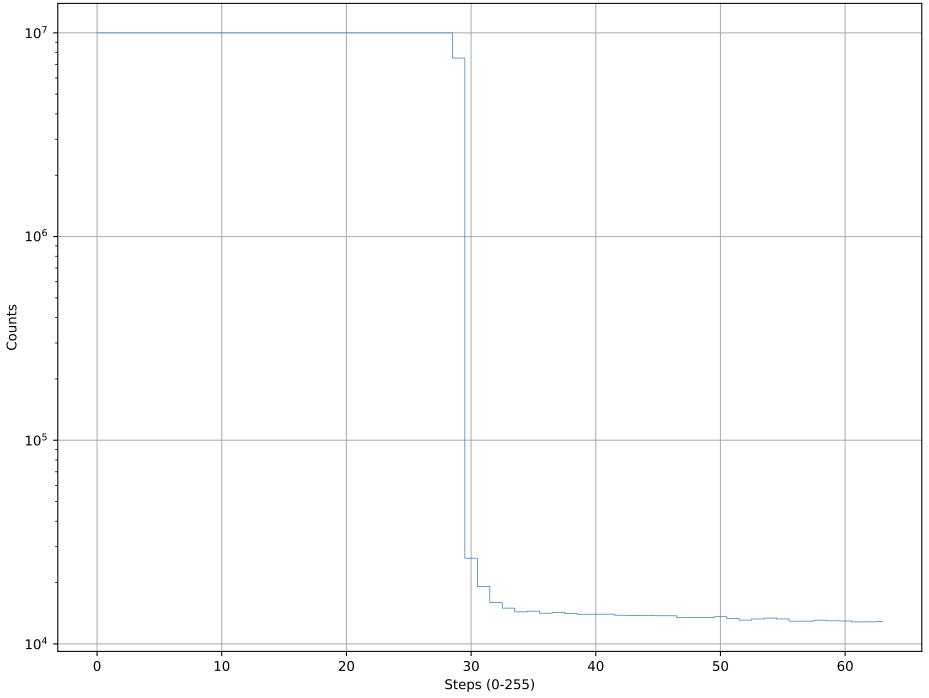
SIN Spectrum of PMT: C Anode: 32 (UART: 7 FEB: 0 CHIP: 2 CHANNEL: 6) 10^{7} 10^{6} 10^{5} 10 20 50 30 Ö 40 60

Steps (0-255)

SIN Spectrum of PMT: C Anode: 33 (UART: 7 FEB: 1 CHIP: 1 CHANNEL: 6)



SIN Spectrum of PMT: C Anode: 34 (UART: 7 FEB: 1 CHIP: 1 CHANNEL: 7)



SIN Spectrum of PMT: C Anode: 35 (UART: 7 FEB: 1 CHIP: 0 CHANNEL: 1) 10⁷ 10^{6} Counts 10⁵

Steps (0-255)

40

50

60

 10^{4}

10

SIN Spectrum of PMT: C Anode: 36 (UART: 7 FEB: 1 CHIP: 0 CHANNEL: 0) 10^{7} 10^{6} 10⁵ 10^{4}

Steps (0-255)

40

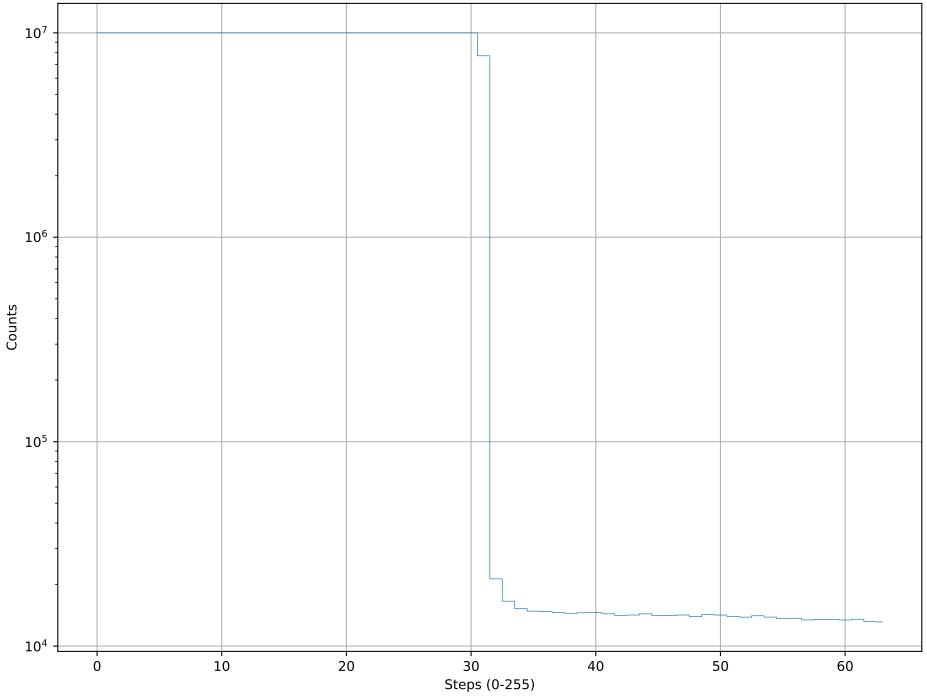
50

60

10

0

SIN Spectrum of PMT: C Anode: 37 (UART: 7 FEB: 0 CHIP: 1 CHANNEL: 7)



SIN Spectrum of PMT: C Anode: 38 (UART: 7 FEB: 0 CHIP: 1 CHANNEL: 6) 10^{7} 10^{6} Counts 10^{5} 10^{4}

Steps (0-255)

50

60

40

10

0

SIN Spectrum of PMT: C Anode: 39 (UART: 7 FEB: 0 CHIP: 0 CHANNEL: 0) 10^{7} 10^{6} Counts 10⁵ 104 -

Steps (0-255)

40

50

60

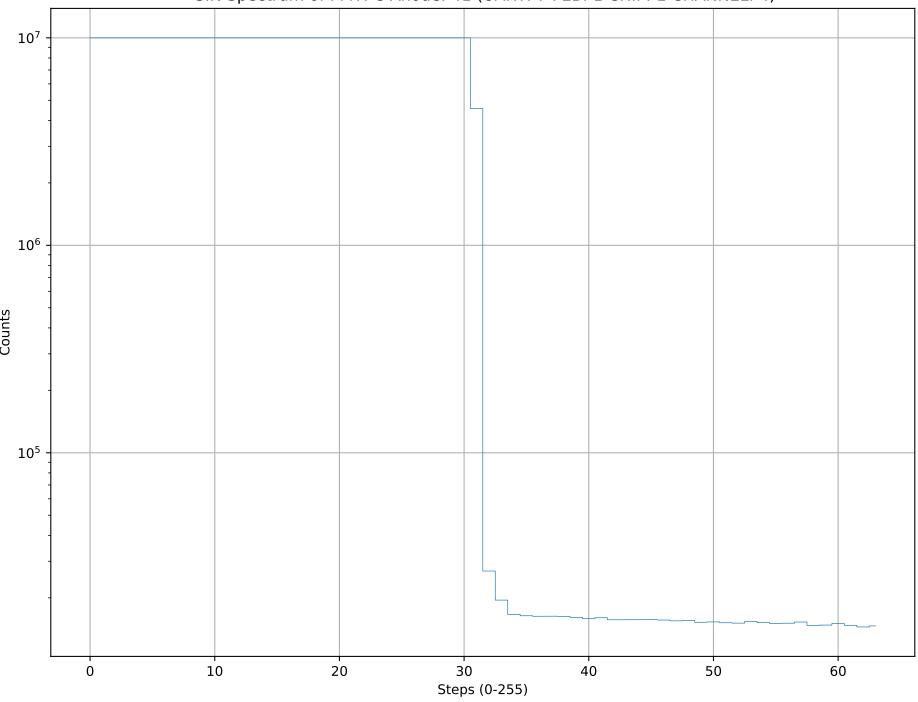
10

0

SIN Spectrum of PMT: C Anode: 40 (UART: 7 FEB: 0 CHIP: 0 CHANNEL: 1) 10^{7} 10^{6} 10⁵ 10 20 50 30 40 60 0

Steps (0-255)

SIN Spectrum of PMT: C Anode: 41 (UART: 7 FEB: 1 CHIP: 1 CHANNEL: 4)



SIN Spectrum of PMT: C Anode: 42 (UART: 7 FEB: 1 CHIP: 1 CHANNEL: 5) 10^{7} 10^{6} Counts 10⁵

Steps (0-255)

50

60

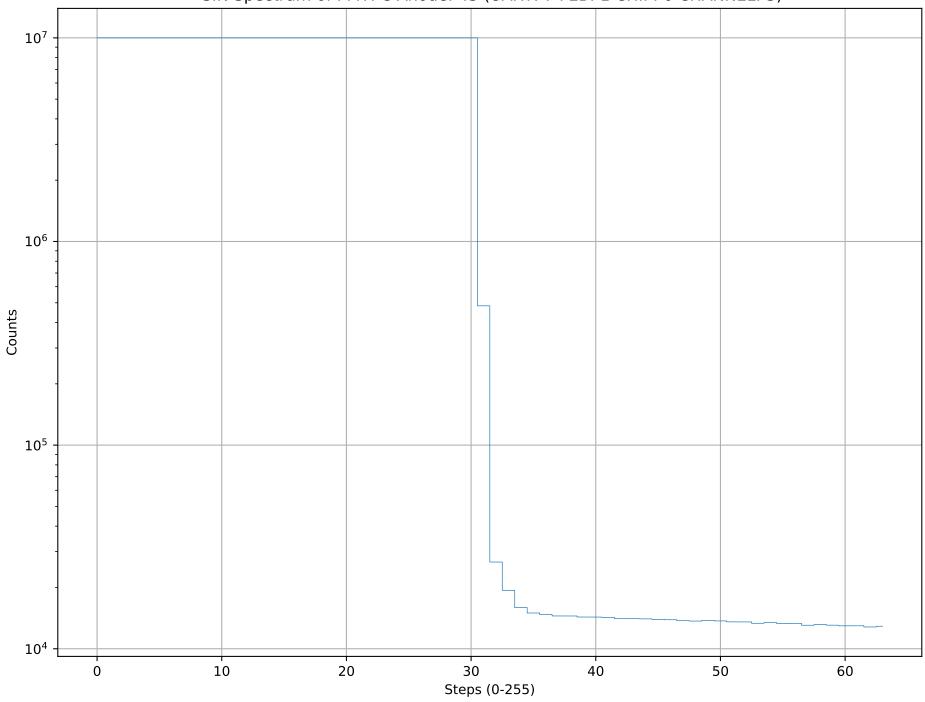
40

 10^{4}

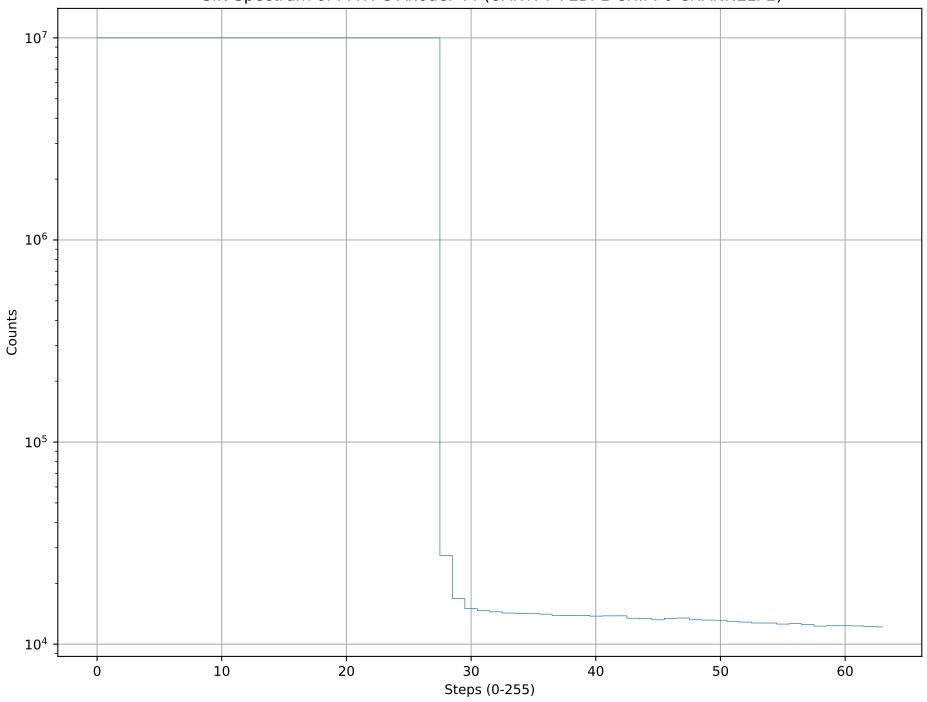
0

10

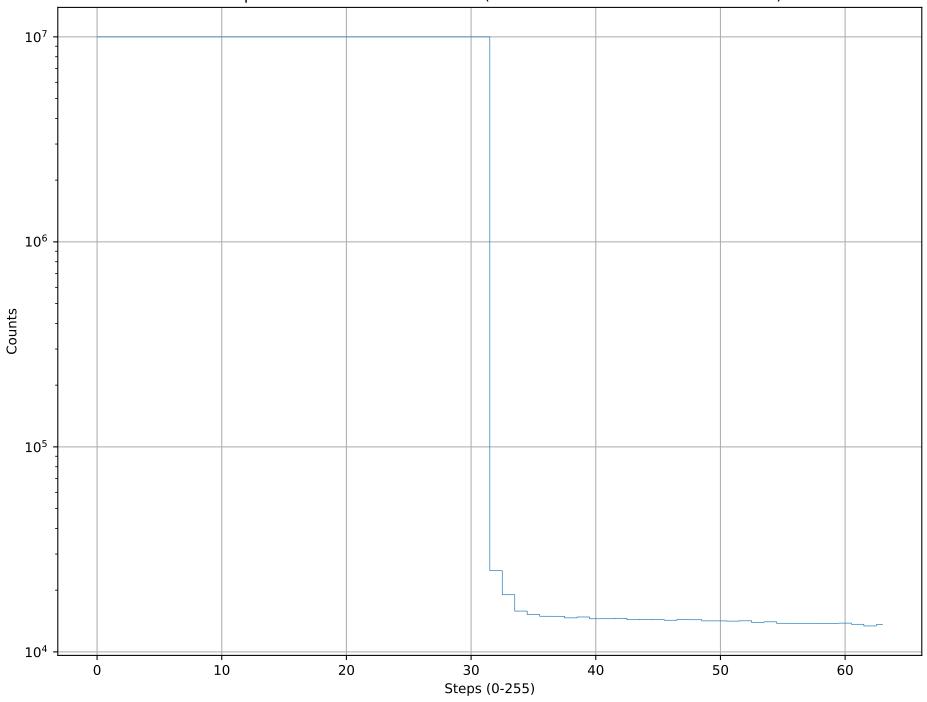
SIN Spectrum of PMT: C Anode: 43 (UART: 7 FEB: 1 CHIP: 0 CHANNEL: 3)



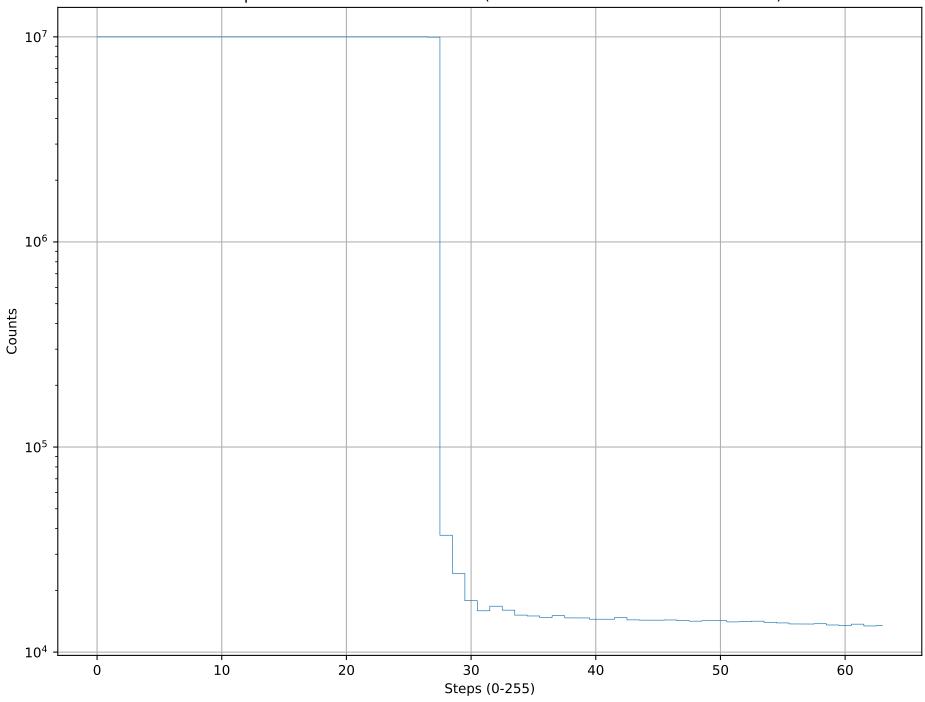
SIN Spectrum of PMT: C Anode: 44 (UART: 7 FEB: 1 CHIP: 0 CHANNEL: 2)



SIN Spectrum of PMT: C Anode: 45 (UART: 7 FEB: 0 CHIP: 1 CHANNEL: 5)



SIN Spectrum of PMT: C Anode: 46 (UART: 7 FEB: 0 CHIP: 1 CHANNEL: 4)



SIN Spectrum of PMT: C Anode: 47 (UART: 7 FEB: 0 CHIP: 0 CHANNEL: 2) 10^{7} 10^{6} Counts 10^{5}

Steps (0-255)

40

50

60

10⁴ -

0

10

SIN Spectrum of PMT: C Anode: 48 (UART: 7 FEB: 0 CHIP: 0 CHANNEL: 3) 10^{7} 10^{6} 10⁵

Steps (0-255)

40

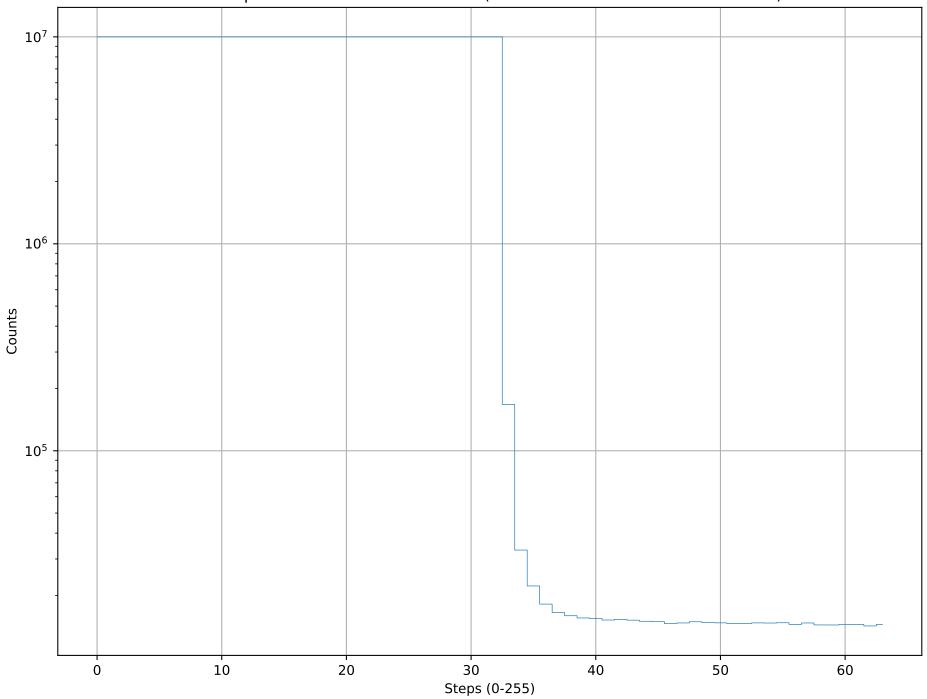
50

60

10

0

SIN Spectrum of PMT: C Anode: 49 (UART: 7 FEB: 1 CHIP: 1 CHANNEL: 2)



SIN Spectrum of PMT: C Anode: 50 (UART: 7 FEB: 1 CHIP: 1 CHANNEL: 3) 10^{7} 10^{6} Counts 10^{5}

Steps (0-255)

40

50

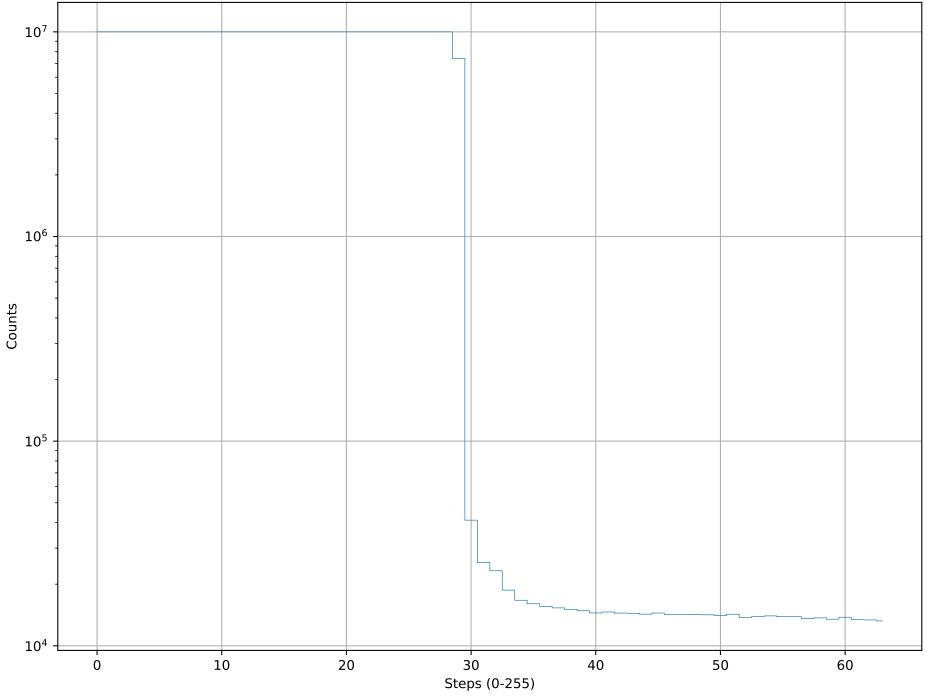
60

 10^{4}

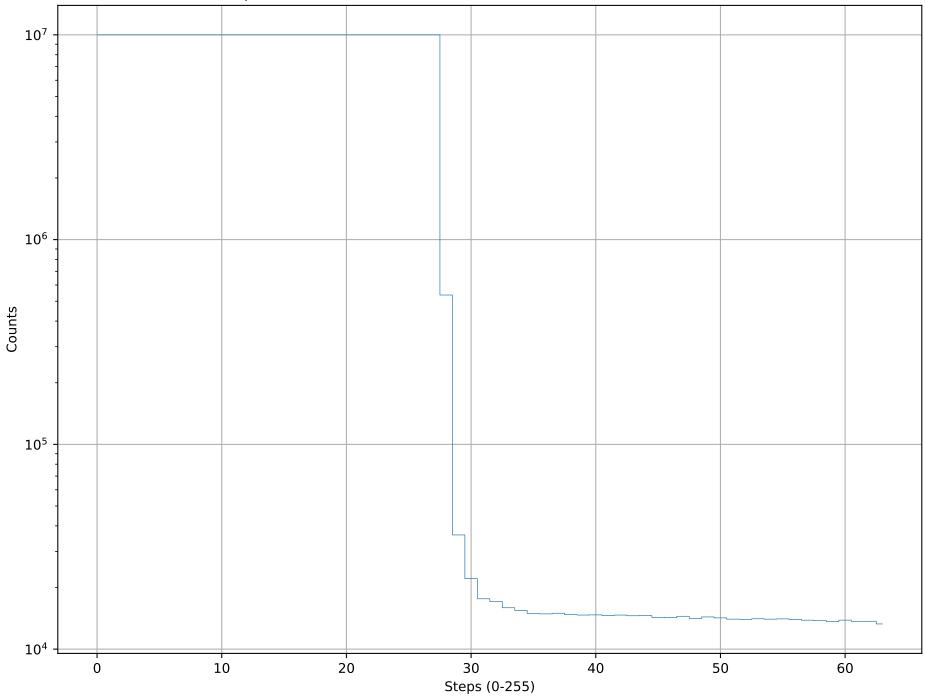
0

10

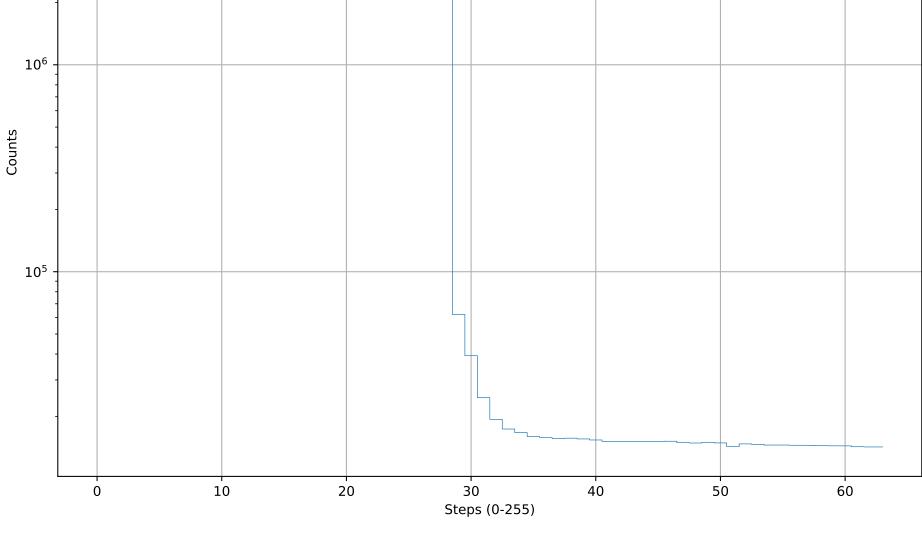
SIN Spectrum of PMT: C Anode: 51 (UART: 7 FEB: 1 CHIP: 0 CHANNEL: 5)



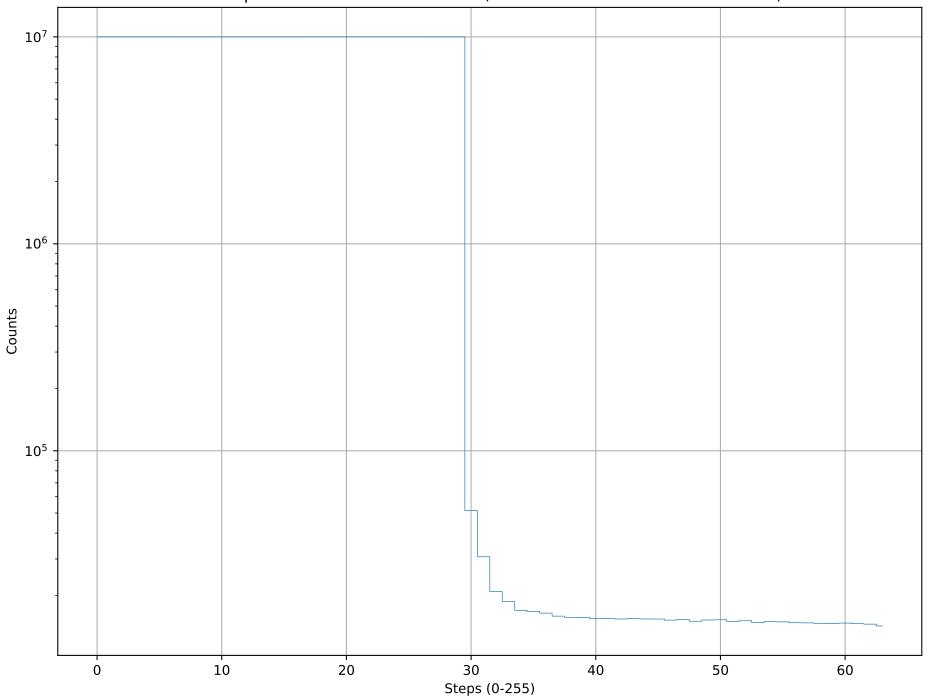
SIN Spectrum of PMT: C Anode: 52 (UART: 7 FEB: 1 CHIP: 0 CHANNEL: 4)



SIN Spectrum of PMT: C Anode: 53 (UART: 7 FEB: 0 CHIP: 1 CHANNEL: 3) 10^{7}



SIN Spectrum of PMT: C Anode: 54 (UART: 7 FEB: 0 CHIP: 1 CHANNEL: 2)



SIN Spectrum of PMT: C Anode: 55 (UART: 7 FEB: 0 CHIP: 0 CHANNEL: 4) 10^{7} 10^{6} 10⁵

Steps (0-255)

40

50

60

10

0

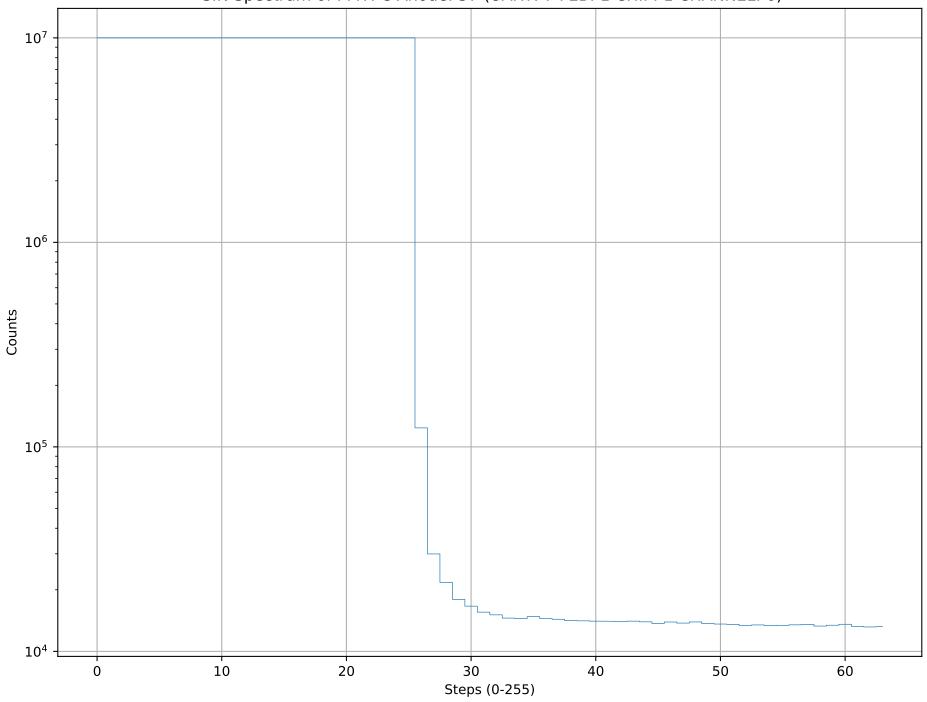
SIN Spectrum of PMT: C Anode: 56 (UART: 7 FEB: 0 CHIP: 0 CHANNEL: 5) 10^{7} 10^{6} 10^{5} 10 20 50

Steps (0-255)

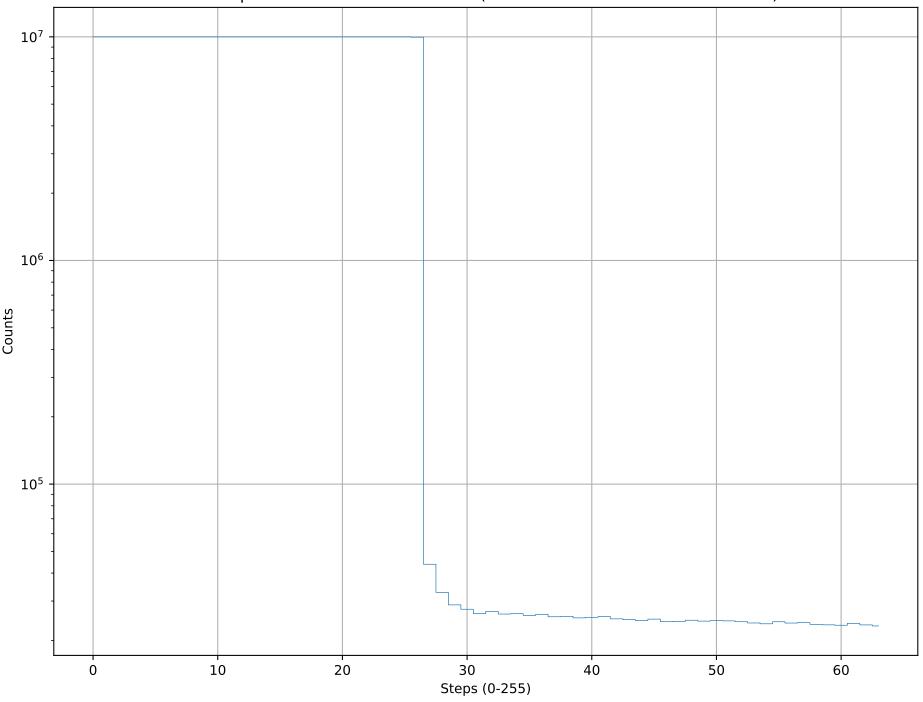
0

40

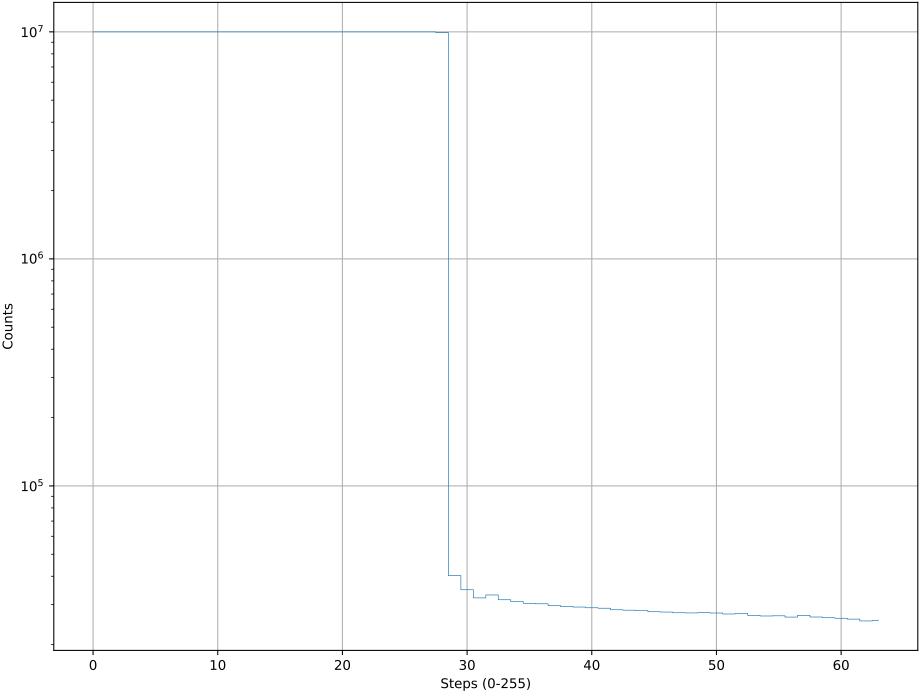
SIN Spectrum of PMT: C Anode: 57 (UART: 7 FEB: 1 CHIP: 1 CHANNEL: 0)



SIN Spectrum of PMT: C Anode: 58 (UART: 7 FEB: 1 CHIP: 1 CHANNEL: 1)

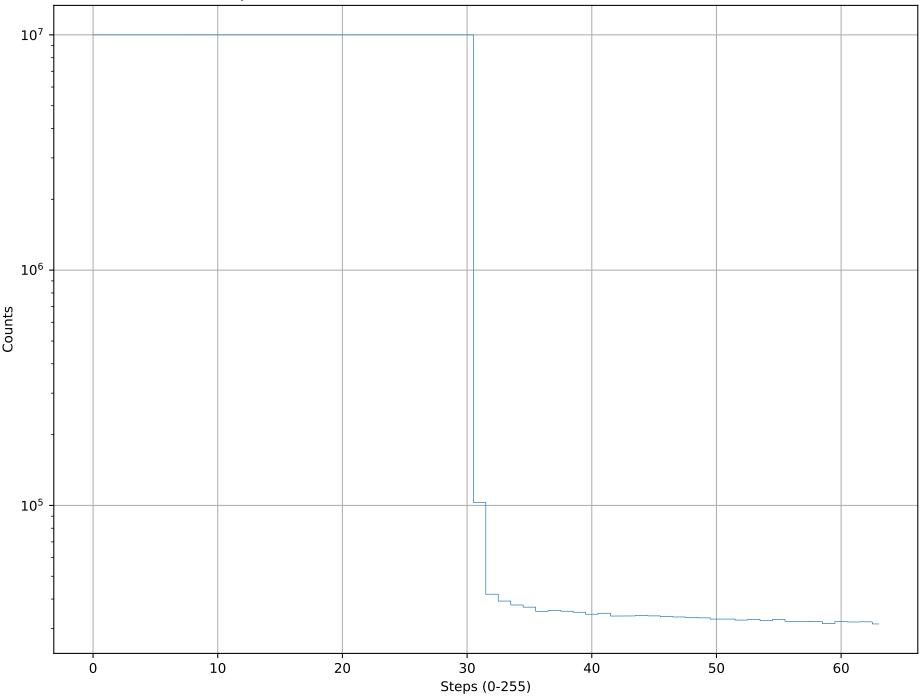


SIN Spectrum of PMT: C Anode: 59 (UART: 7 FEB: 1 CHIP: 0 CHANNEL: 7)



SIN Spectrum of PMT: C Anode: 60 (UART: 7 FEB: 1 CHIP: 0 CHANNEL: 6) 10^{7} 10^{6} 10⁵ 10 20 50 30 40 60 0

SIN Spectrum of PMT: C Anode: 61 (UART: 7 FEB: 0 CHIP: 1 CHANNEL: 1)



SIN Spectrum of PMT: C Anode: 62 (UART: 7 FEB: 0 CHIP: 1 CHANNEL: 0) 10^{7} 10^{6} 10^{5}

Steps (0-255)

40

50

60

10

0

SIN Spectrum of PMT: C Anode: 63 (UART: 7 FEB: 0 CHIP: 0 CHANNEL: 6) 10^{7} 10^{6} 10^{5}

Steps (0-255)

40

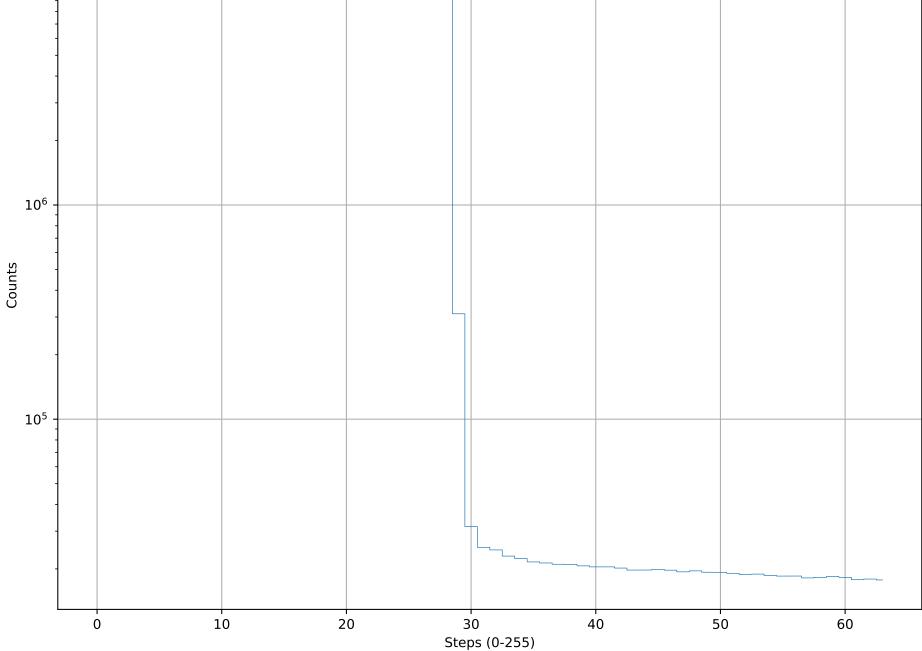
50

60

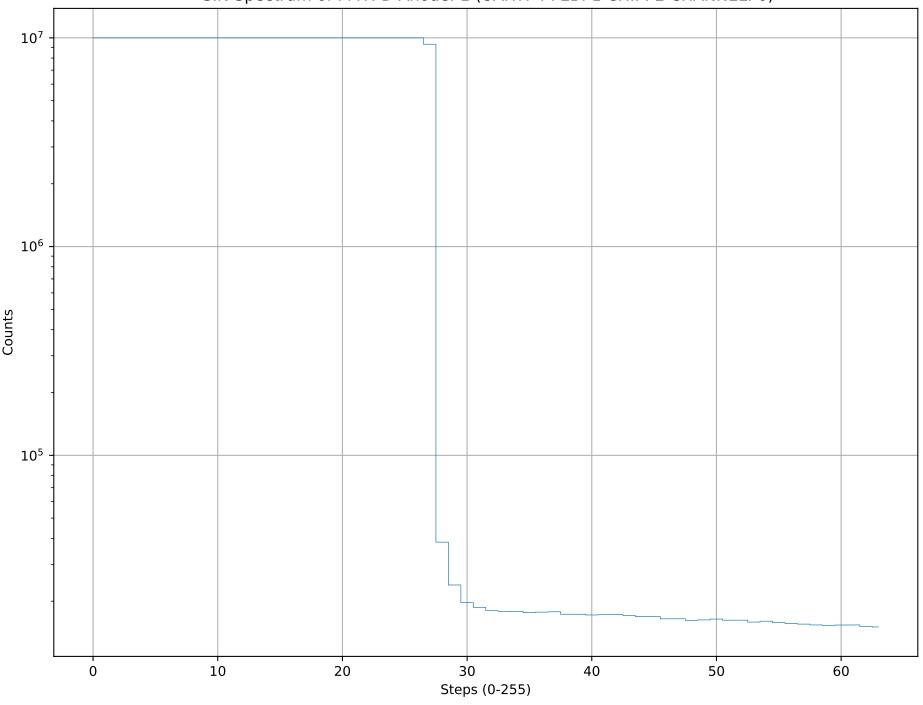
10

0

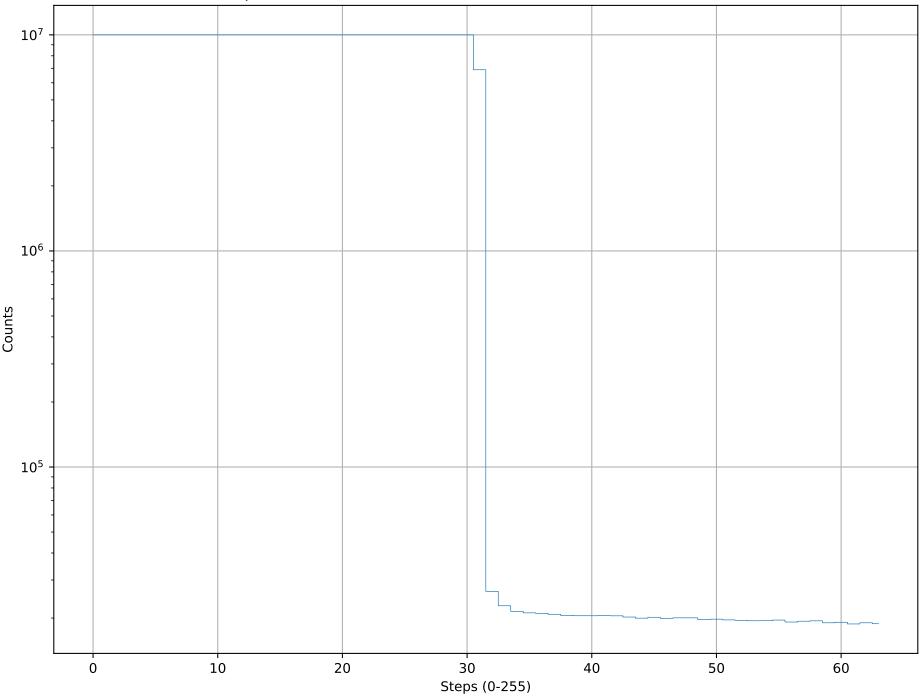
SIN Spectrum of PMT: C Anode: 64 (UART: 7 FEB: 0 CHIP: 0 CHANNEL: 7) 10^{7}



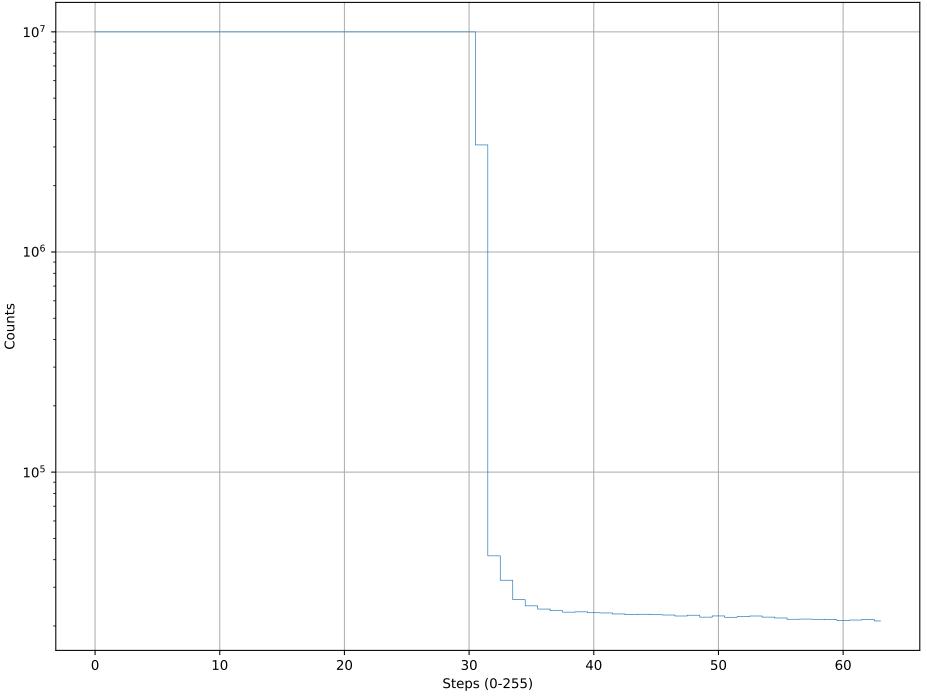
SIN Spectrum of PMT: D Anode: 1 (UART: 4 FEB: 1 CHIP: 2 CHANNEL: 0)



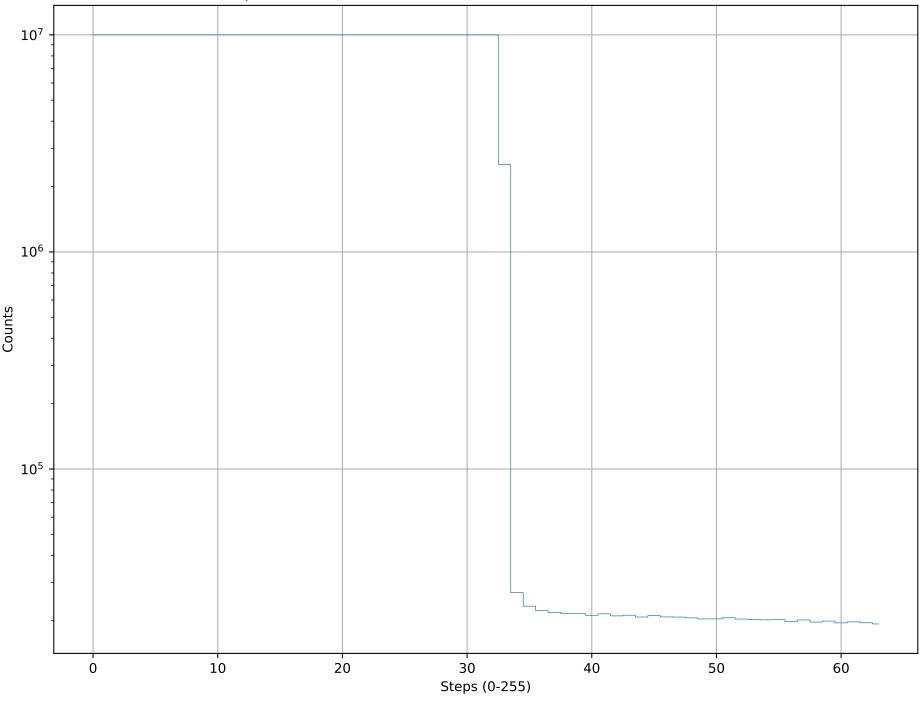
SIN Spectrum of PMT: D Anode: 2 (UART: 4 FEB: 1 CHIP: 2 CHANNEL: 2)



SIN Spectrum of PMT: D Anode: 3 (UART: 4 FEB: 1 CHIP: 2 CHANNEL: 4)



SIN Spectrum of PMT: D Anode: 4 (UART: 4 FEB: 1 CHIP: 2 CHANNEL: 6)



SIN Spectrum of PMT: D Anode: 5 (UART: 4 FEB: 1 CHIP: 0 CHANNEL: 1) 10^{7} 10^{6} 10⁵

Steps (0-255)

40

50

60

10

0

SIN Spectrum of PMT: D Anode: 6 (UART: 4 FEB: 1 CHIP: 0 CHANNEL: 3) 10^{7} 10^{6} 10^{5} 10 20 50 30 60

0

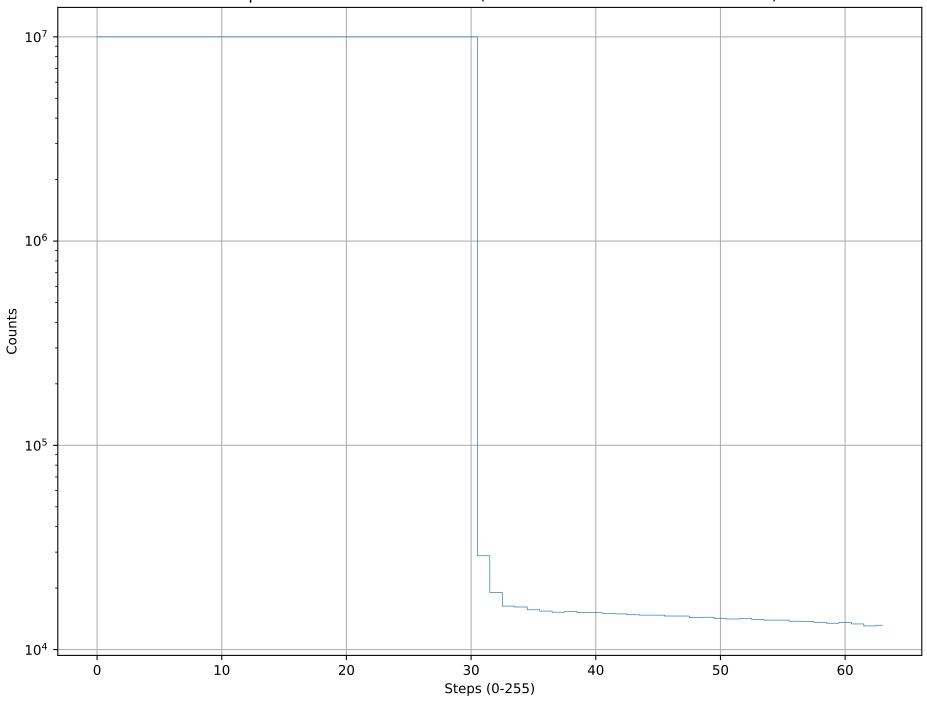
SIN Spectrum of PMT: D Anode: 7 (UART: 4 FEB: 1 CHIP: 0 CHANNEL: 5) 10^{7} 10^{6} 10^{5} 10 20 50

Steps (0-255)

0

40

SIN Spectrum of PMT: D Anode: 8 (UART: 4 FEB: 1 CHIP: 0 CHANNEL: 7)



SIN Spectrum of PMT: D Anode: 9 (UART: 4 FEB: 1 CHIP: 2 CHANNEL: 1) 10^{7} 10^{6} 10⁵

Steps (0-255)

40

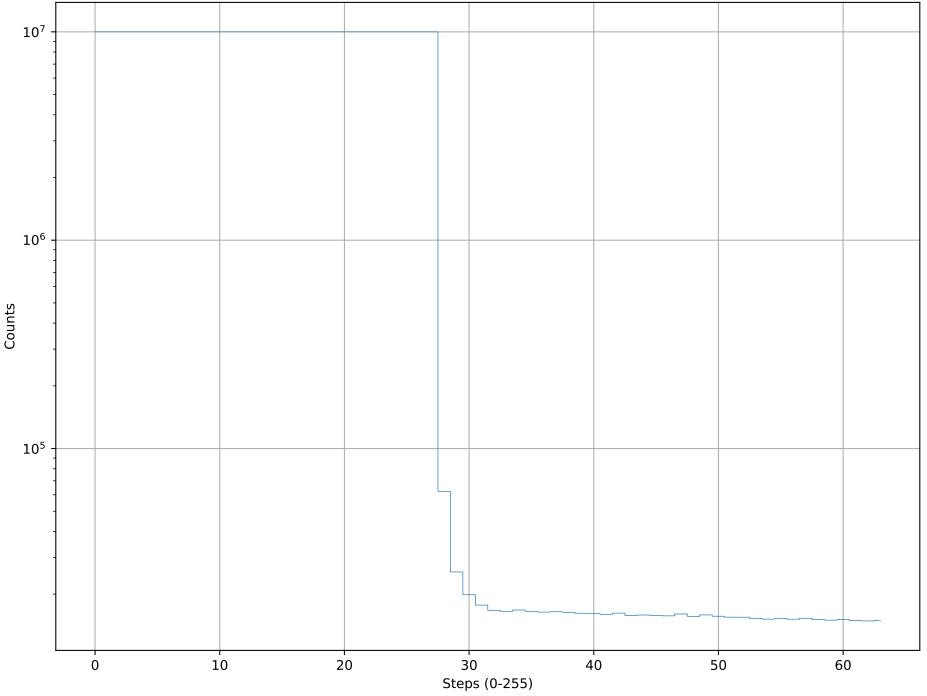
50

60

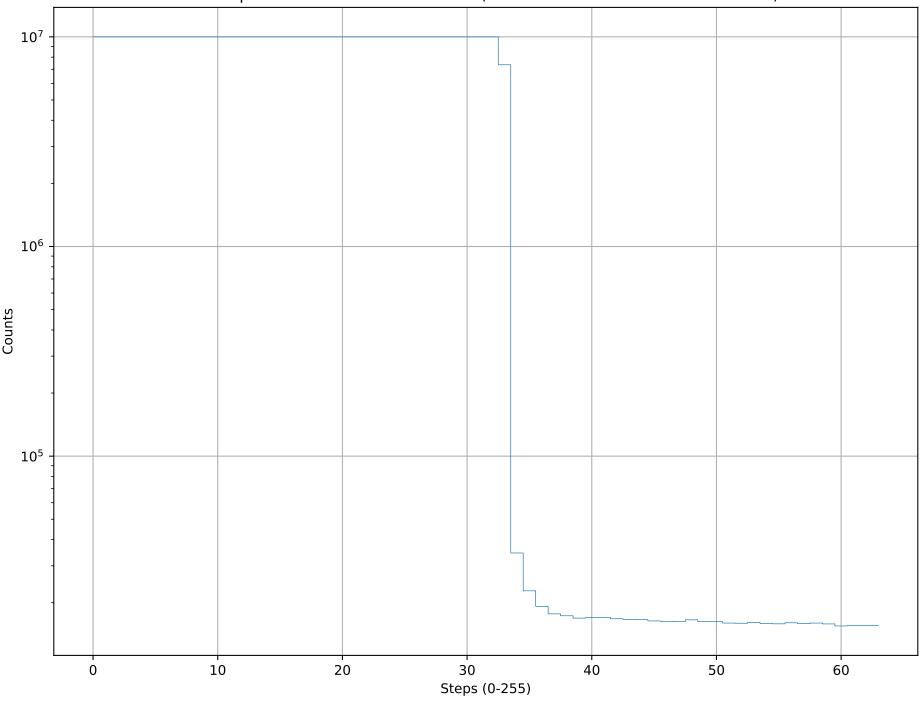
10

0

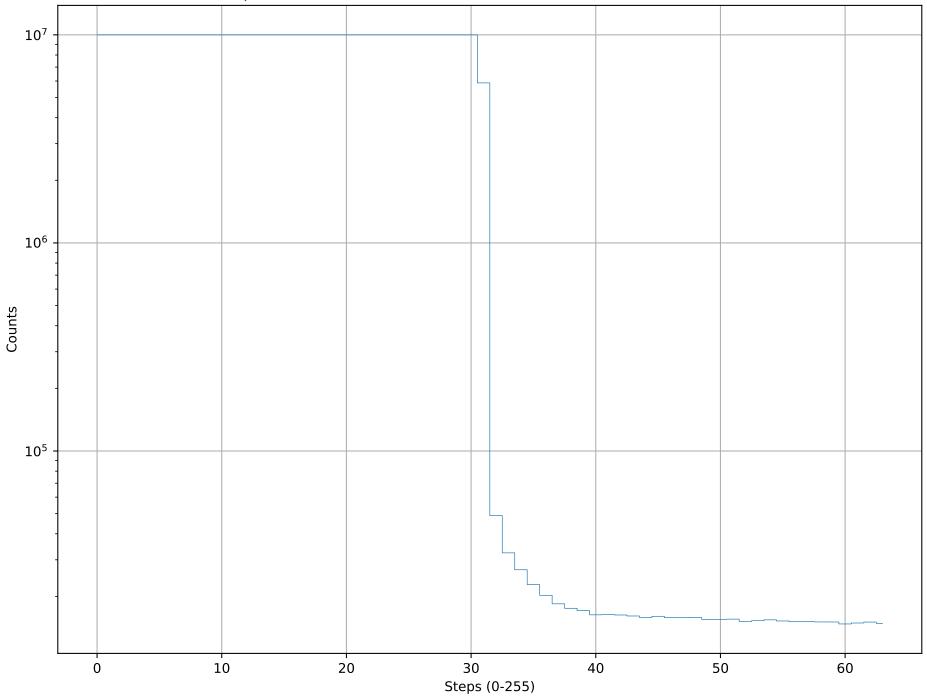
SIN Spectrum of PMT: D Anode: 10 (UART: 4 FEB: 1 CHIP: 2 CHANNEL: 3)



SIN Spectrum of PMT: D Anode: 11 (UART: 4 FEB: 1 CHIP: 2 CHANNEL: 5)



SIN Spectrum of PMT: D Anode: 12 (UART: 4 FEB: 1 CHIP: 2 CHANNEL: 7)



SIN Spectrum of PMT: D Anode: 13 (UART: 4 FEB: 1 CHIP: 0 CHANNEL: 0) 10^{7} 10^{6} Counts 10⁵

Steps (0-255)

40

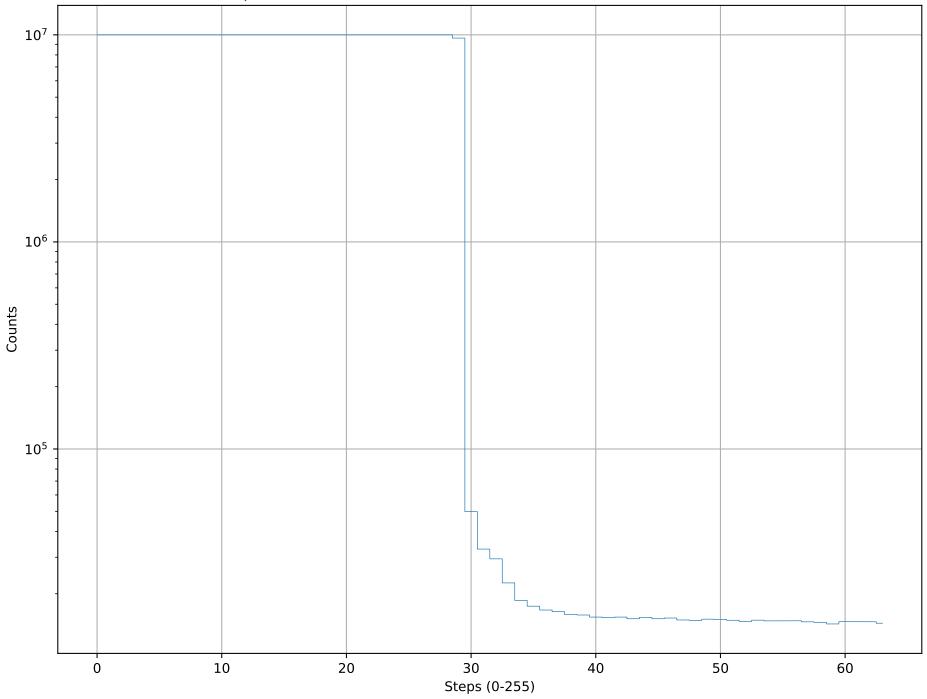
50

60

10

Ö

SIN Spectrum of PMT: D Anode: 14 (UART: 4 FEB: 1 CHIP: 0 CHANNEL: 2)



SIN Spectrum of PMT: D Anode: 15 (UART: 4 FEB: 1 CHIP: 0 CHANNEL: 4) 10^{7} 10^{6} Counts 10⁵ 10⁴ -10 20 30 50 60 Ó 40

SIN Spectrum of PMT: D Anode: 16 (UART: 4 FEB: 1 CHIP: 0 CHANNEL: 6) 10^{7} 10^{6} Counts 10^{5} 10^{4} 10 20 50 30

40

0

SIN Spectrum of PMT: D Anode: 17 (UART: 4 FEB: 1 CHIP: 3 CHANNEL: 7) 10^{7} 10⁶ 10⁵

Steps (0-255)

40

50

60

10

0

SIN Spectrum of PMT: D Anode: 18 (UART: 4 FEB: 1 CHIP: 3 CHANNEL: 5) 10^{7} 10^{6} 10⁵

Steps (0-255)

40

50

60

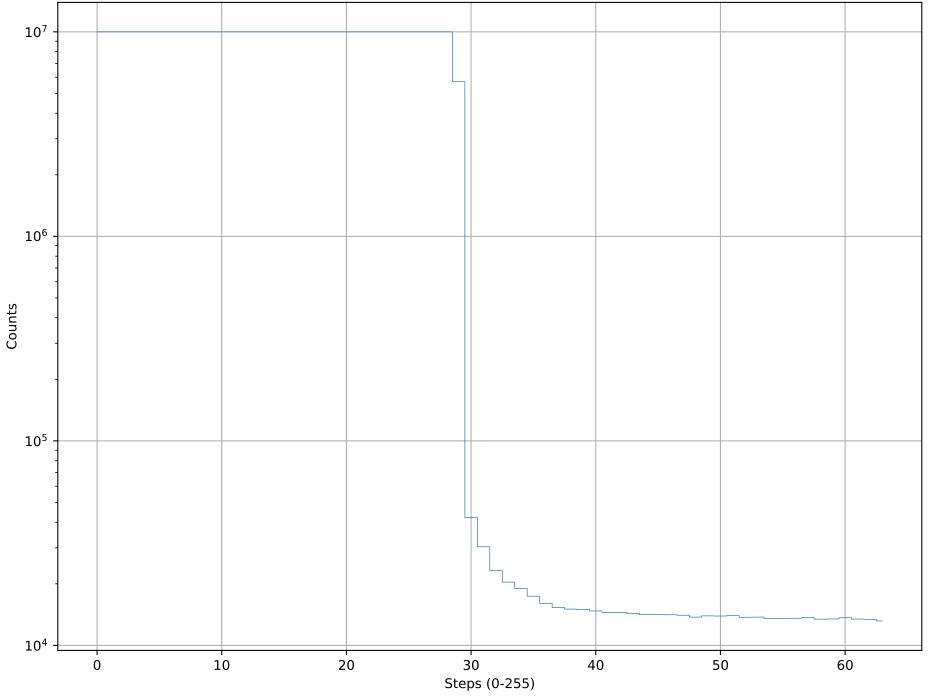
10

Ö

SIN Spectrum of PMT: D Anode: 19 (UART: 4 FEB: 1 CHIP: 3 CHANNEL: 3) 10^{7} 10^{6} Counts 10⁵ 10^{4} 10 20 30 50 Ó 60 40

SIN Spectrum of PMT: D Anode: 20 (UART: 4 FEB: 1 CHIP: 3 CHANNEL: 0) 10⁷ 10^{6} Counts 10⁵ 10^{4} 10 20 50 30 40 60 0

SIN Spectrum of PMT: D Anode: 21 (UART: 4 FEB: 1 CHIP: 1 CHANNEL: 6)



SIN Spectrum of PMT: D Anode: 22 (UART: 4 FEB: 1 CHIP: 1 CHANNEL: 4) 10^{7} 10^{6} Counts 10^{5}

Steps (0-255)

50

60

40

10⁴ -

0

10

SIN Spectrum of PMT: D Anode: 23 (UART: 4 FEB: 1 CHIP: 1 CHANNEL: 2) 10^{7} 10^{6} Counts 10^{5} 10^{4} 10 20

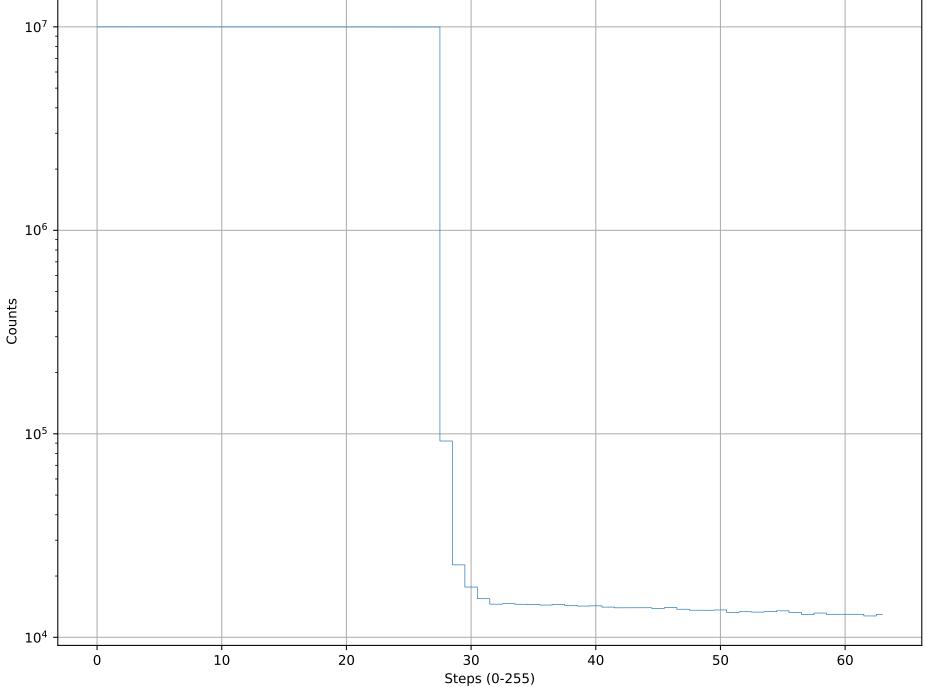
Steps (0-255)

0

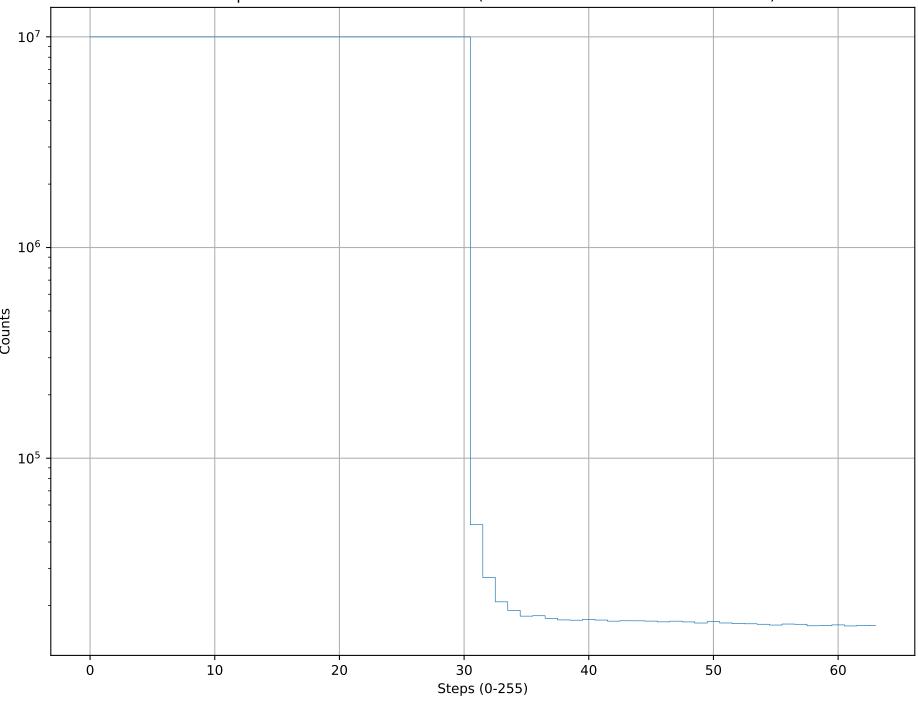
40

50

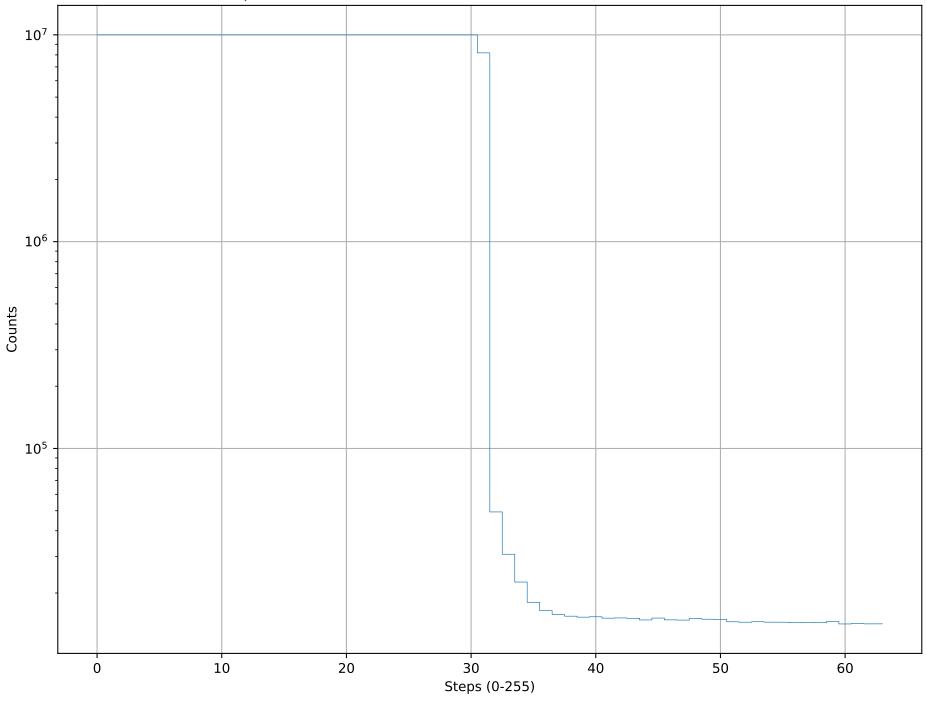
SIN Spectrum of PMT: D Anode: 24 (UART: 4 FEB: 1 CHIP: 1 CHANNEL: 0)



SIN Spectrum of PMT: D Anode: 25 (UART: 4 FEB: 1 CHIP: 3 CHANNEL: 6)



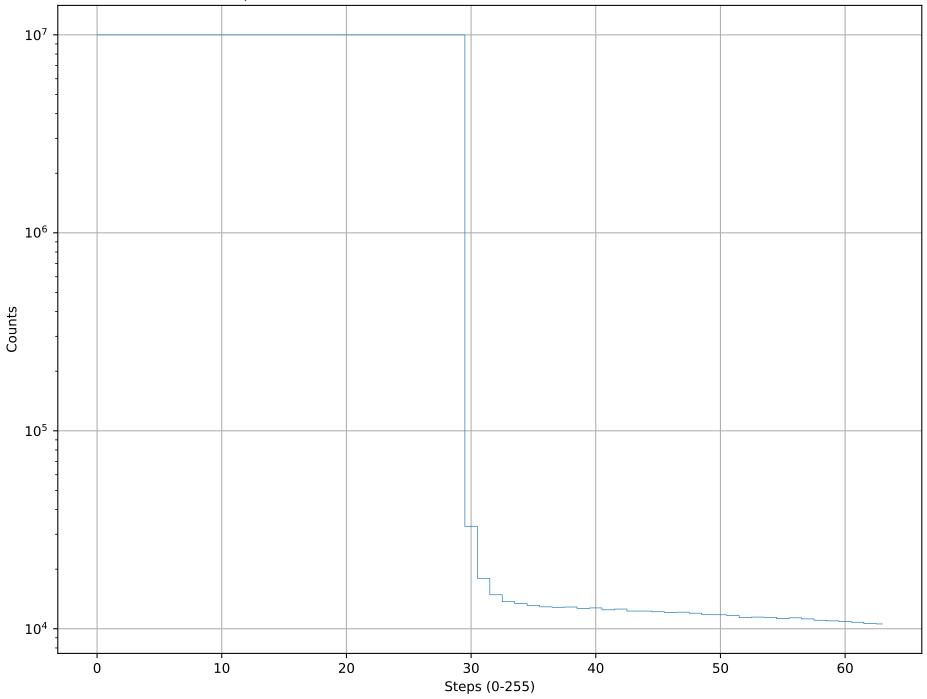
SIN Spectrum of PMT: D Anode: 26 (UART: 4 FEB: 1 CHIP: 3 CHANNEL: 4)



SIN Spectrum of PMT: D Anode: 27 (UART: 4 FEB: 1 CHIP: 3 CHANNEL: 2) 10^{7} 10^{6} Counts 10^{5} 10⁴ -10 20 50 60 30 40 0

SIN Spectrum of PMT: D Anode: 28 (UART: 4 FEB: 1 CHIP: 3 CHANNEL: 1) 10^{7} 10^{6} Counts 10^{5} 10^{4} 10 20 30 50 0 40 60

SIN Spectrum of PMT: D Anode: 29 (UART: 4 FEB: 1 CHIP: 1 CHANNEL: 7)



SIN Spectrum of PMT: D Anode: 30 (UART: 4 FEB: 1 CHIP: 1 CHANNEL: 5) 10^{7} 10^{6} 10⁵ 10^{4} 10 20

Steps (0-255)

0

50

60

SIN Spectrum of PMT: D Anode: 31 (UART: 4 FEB: 1 CHIP: 1 CHANNEL: 3) 10^{7} 10^{6} 10⁵

Steps (0-255)

40

50

60

 10^{4}

0

10

SIN Spectrum of PMT: D Anode: 32 (UART: 4 FEB: 1 CHIP: 1 CHANNEL: 1) 10^{7} 10^{6} Counts 10^{5} 10^{4} 10 20 50 30 40 60 0

SIN Spectrum of PMT: D Anode: 33 (UART: 4 FEB: 0 CHIP: 2 CHANNEL: 1) 10^{7} 10^{6} 10⁵

Steps (0-255)

40

50

60

10

0

SIN Spectrum of PMT: D Anode: 34 (UART: 4 FEB: 0 CHIP: 2 CHANNEL: 3) 10^{7} 10^{6} Counts 10⁵ 10^{4} 10 20 50 30 60 Ó 40

SIN Spectrum of PMT: D Anode: 35 (UART: 4 FEB: 0 CHIP: 2 CHANNEL: 5) 10^{7} 10^{6} Counts 10^{5}

Steps (0-255)

40

50

60

 10^{4}

0

10

SIN Spectrum of PMT: D Anode: 36 (UART: 4 FEB: 0 CHIP: 2 CHANNEL: 6) 10^{7} 10^{6} 10⁵ 10^{4} 10 20 50 60 30 40 0

SIN Spectrum of PMT: D Anode: 37 (UART: 4 FEB: 0 CHIP: 0 CHANNEL: 0) 10⁷ 10^{6} Counts 10⁵ 10^{4} 10 20 50 30 40 0 60

SIN Spectrum of PMT: D Anode: 38 (UART: 4 FEB: 0 CHIP: 0 CHANNEL: 2) 10^{7} 10^{6} 10^{5} 10^{4}

Steps (0-255)

40

50

60

10

0

SIN Spectrum of PMT: D Anode: 39 (UART: 4 FEB: 0 CHIP: 0 CHANNEL: 4) 10^{7} 10^{6} 10⁵ 10^{4}

Steps (0-255)

40

50

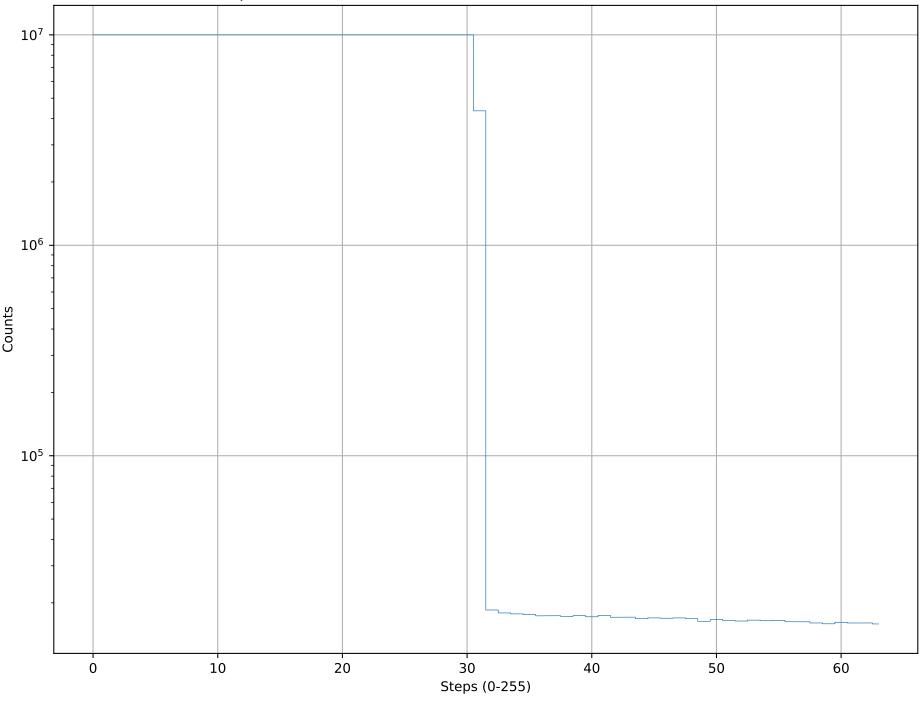
60

10

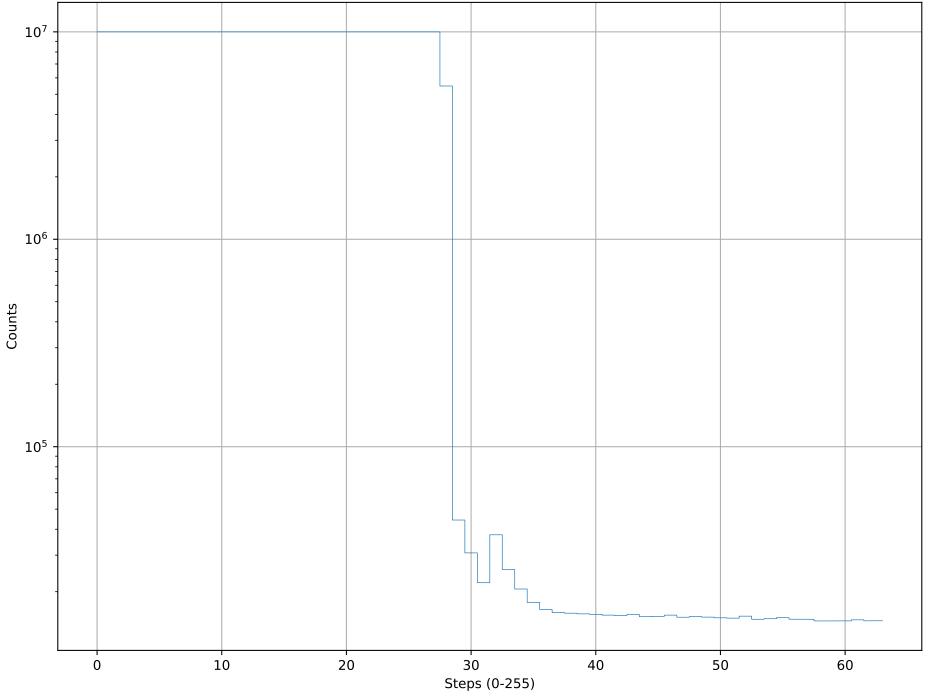
0

SIN Spectrum of PMT: D Anode: 40 (UART: 4 FEB: 0 CHIP: 0 CHANNEL: 6) 10^{7} 10^{6} Counts 10^{5} 10⁴ -10 20 50 60 0 30 40

SIN Spectrum of PMT: D Anode: 41 (UART: 4 FEB: 0 CHIP: 2 CHANNEL: 0)



SIN Spectrum of PMT: D Anode: 42 (UART: 4 FEB: 0 CHIP: 2 CHANNEL: 2)



SIN Spectrum of PMT: D Anode: 43 (UART: 4 FEB: 0 CHIP: 2 CHANNEL: 4) 10^{7} 10^{6} 10⁵

Steps (0-255)

40

50

60

 10^{4}

Ó

10

SIN Spectrum of PMT: D Anode: 44 (UART: 4 FEB: 0 CHIP: 2 CHANNEL: 7) 10^{7} 10^{6} Counts 10^{5}

Steps (0-255)

40

50

60

10⁴ -

0

10

SIN Spectrum of PMT: D Anode: 45 (UART: 4 FEB: 0 CHIP: 0 CHANNEL: 1) 10^{7} 10^{6} 10⁵ 10^{4} 10 20 50

Steps (0-255)

40

60

SIN Spectrum of PMT: D Anode: 46 (UART: 4 FEB: 0 CHIP: 0 CHANNEL: 3) 10⁷ 10^{6} Counts 10^{5} 10⁴ -10 20

Steps (0-255)

0

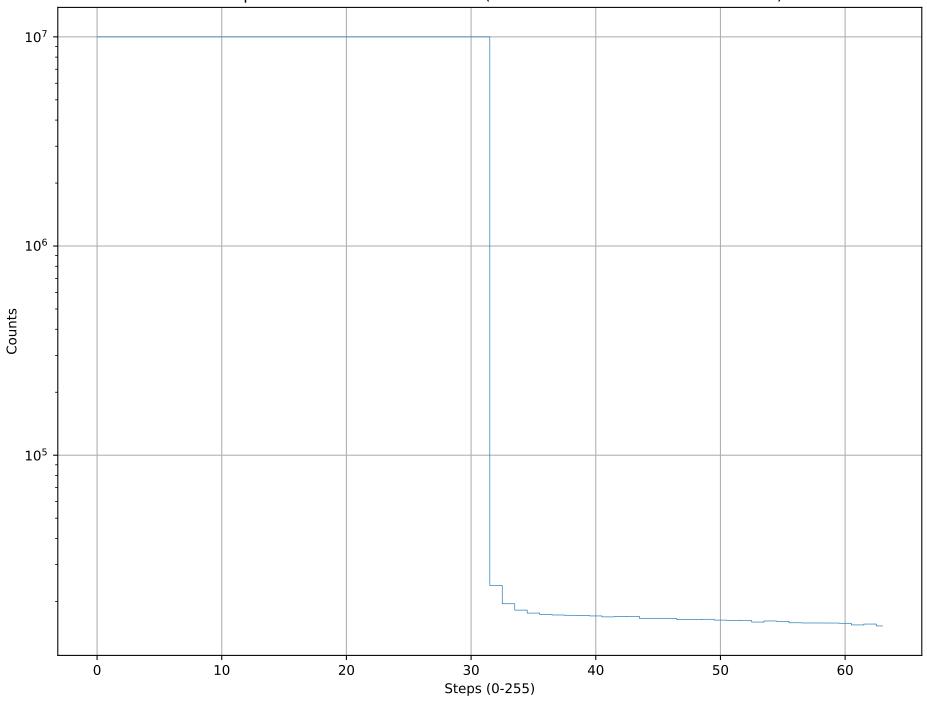
50

60

SIN Spectrum of PMT: D Anode: 47 (UART: 4 FEB: 0 CHIP: 0 CHANNEL: 5) 10^{7} 10^{6} Counts 10^{5} 10^{4} 10 20 50 30 40 60

SIN Spectrum of PMT: D Anode: 48 (UART: 4 FEB: 0 CHIP: 0 CHANNEL: 7) 10^{7} 10^{6} Counts 10^{5} 10^{4} 10 20 50 30 60 0 40

SIN Spectrum of PMT: D Anode: 49 (UART: 4 FEB: 0 CHIP: 3 CHANNEL: 6)



SIN Spectrum of PMT: D Anode: 50 (UART: 4 FEB: 0 CHIP: 3 CHANNEL: 4) 10^{7} 10^{6} Counts 10^{5} 10 20 50

Steps (0-255)

40

60

Ö

SIN Spectrum of PMT: D Anode: 51 (UART: 4 FEB: 0 CHIP: 3 CHANNEL: 2) 10^{7} 10^{6} 10⁵

Steps (0-255)

40

50

60

10

Ö

SIN Spectrum of PMT: D Anode: 52 (UART: 4 FEB: 0 CHIP: 3 CHANNEL: 0) 10^{7} 10^{6} 10^{5} 10⁴ -10 20 50 30 60 Ó

SIN Spectrum of PMT: D Anode: 53 (UART: 4 FEB: 0 CHIP: 1 CHANNEL: 7) 10^{7} 10^{6} Counts 10⁵ 10⁴ -10 20 30 50 60 Ó 40

SIN Spectrum of PMT: D Anode: 54 (UART: 4 FEB: 0 CHIP: 1 CHANNEL: 5) 10^{7} 10^{6} Counts 10^{5} 10^{4}

Steps (0-255)

50

60

40

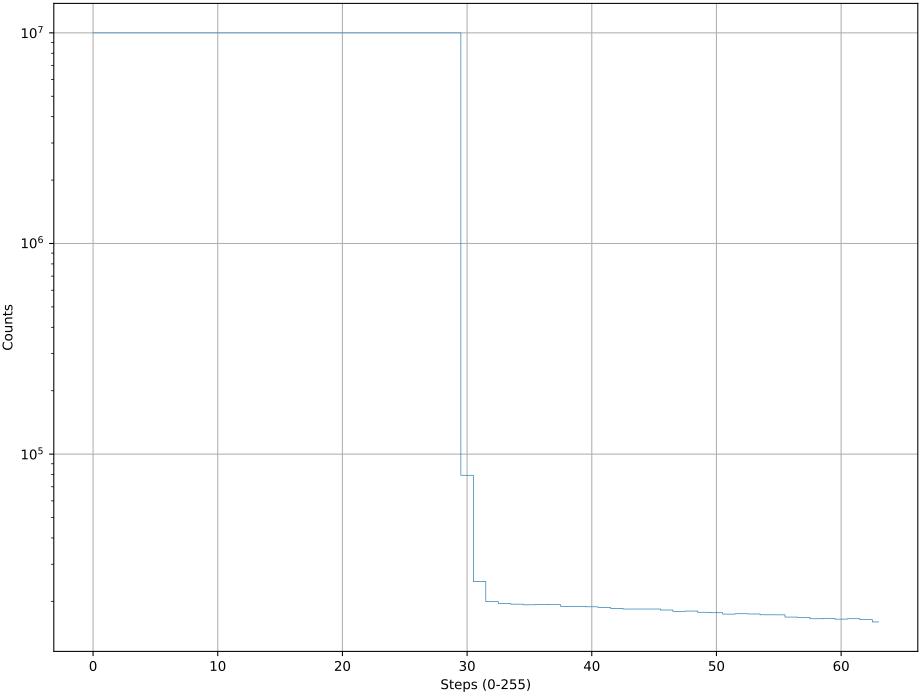
10

0

SIN Spectrum of PMT: D Anode: 55 (UART: 4 FEB: 0 CHIP: 1 CHANNEL: 3) 10⁷ 10^{6} Counts 10^{5} 10^{4} 10 20 50 30 40 60 0

SIN Spectrum of PMT: D Anode: 56 (UART: 4 FEB: 0 CHIP: 1 CHANNEL: 1) 10^{7} 10^{6} Counts 10⁵ 10^{4} 10 20 50 30 40 60 0

SIN Spectrum of PMT: D Anode: 57 (UART: 4 FEB: 0 CHIP: 3 CHANNEL: 7)



SIN Spectrum of PMT: D Anode: 58 (UART: 4 FEB: 0 CHIP: 3 CHANNEL: 5) 10^{7} 10^{6} 10⁵

Steps (0-255)

40

50

60

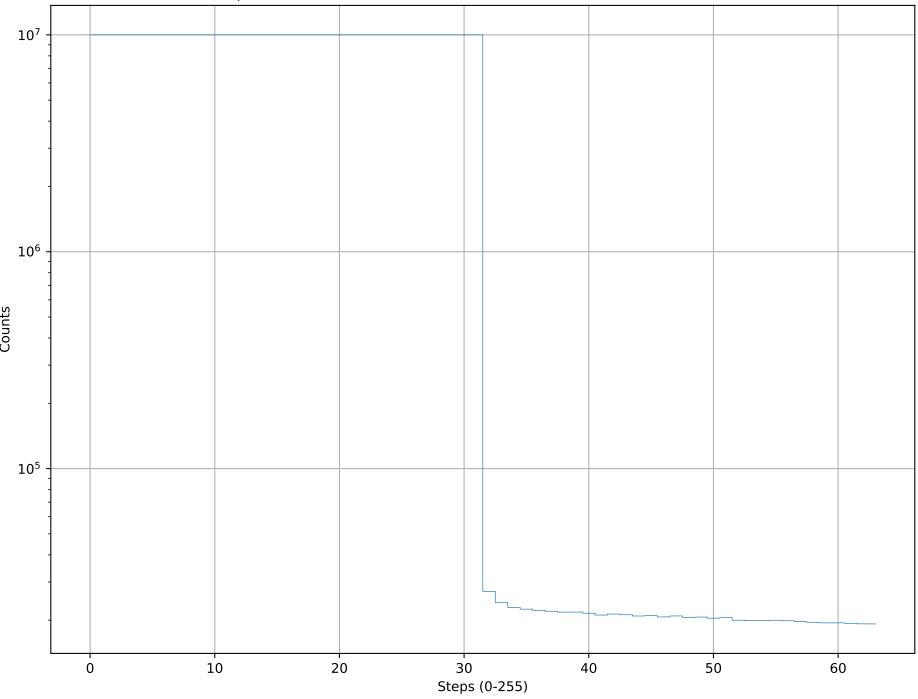
10

Ö

SIN Spectrum of PMT: D Anode: 59 (UART: 4 FEB: 0 CHIP: 3 CHANNEL: 3) 10^{7} 10^{6} 10^{5} 10 20 50 30 40 60

SIN Spectrum of PMT: D Anode: 60 (UART: 4 FEB: 0 CHIP: 3 CHANNEL: 1) 10^{7} 10^{6} 10^{5} 10 20 50 30 Ö 40 60

SIN Spectrum of PMT: D Anode: 61 (UART: 4 FEB: 0 CHIP: 1 CHANNEL: 6)



SIN Spectrum of PMT: D Anode: 62 (UART: 4 FEB: 0 CHIP: 1 CHANNEL: 4) 10^{7} 10^{6} 10^{5} 10 20 50

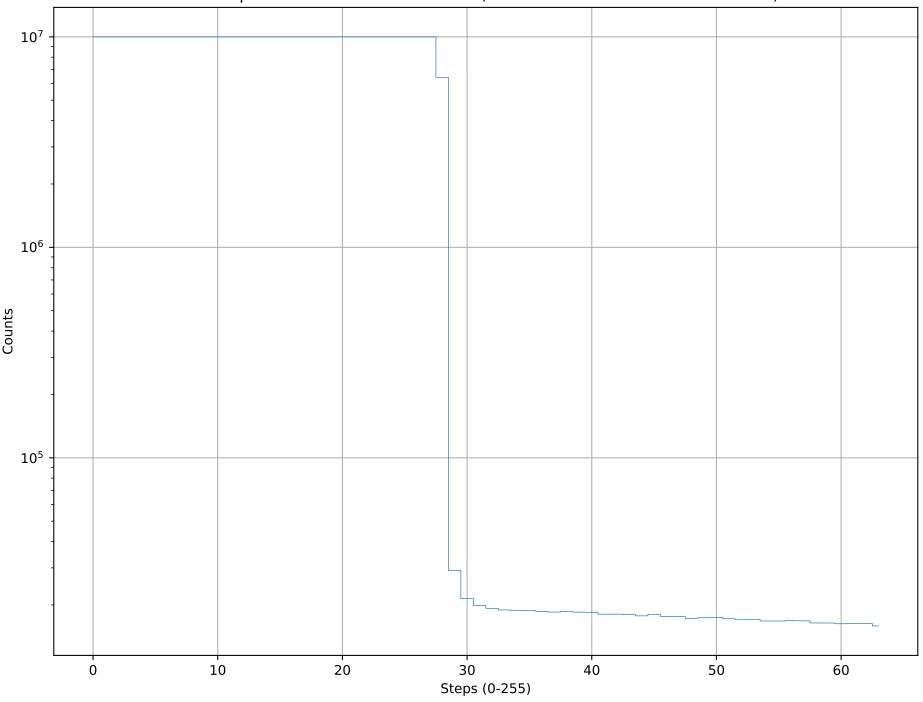
Steps (0-255)

40

60

Ö

SIN Spectrum of PMT: D Anode: 63 (UART: 4 FEB: 0 CHIP: 1 CHANNEL: 2)



SIN Spectrum of PMT: D Anode: 64 (UART: 4 FEB: 0 CHIP: 1 CHANNEL: 0) 10^{7} 10^{6} 10^{5} 10^{4} 10 20 30

0

40

50