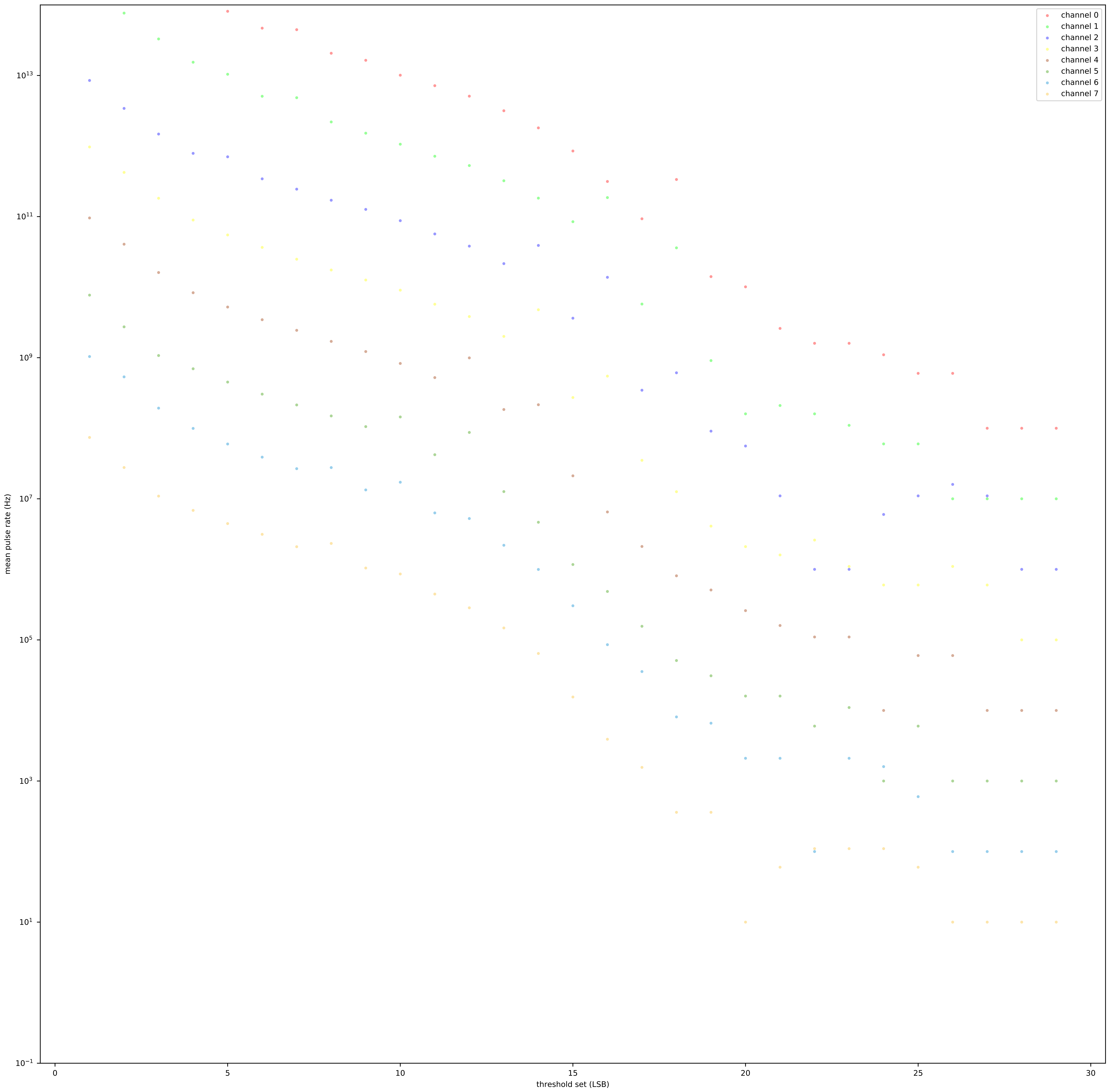
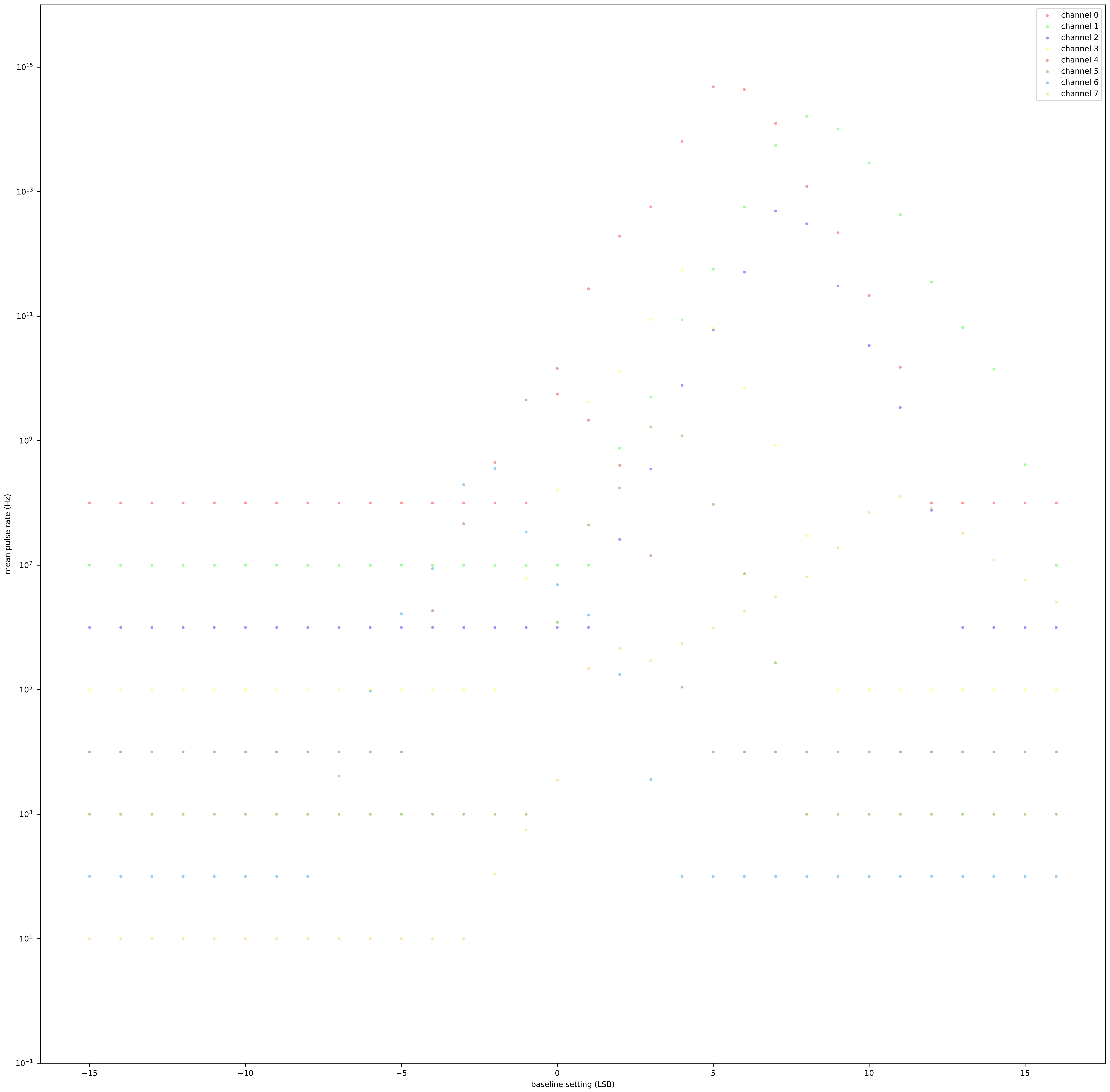
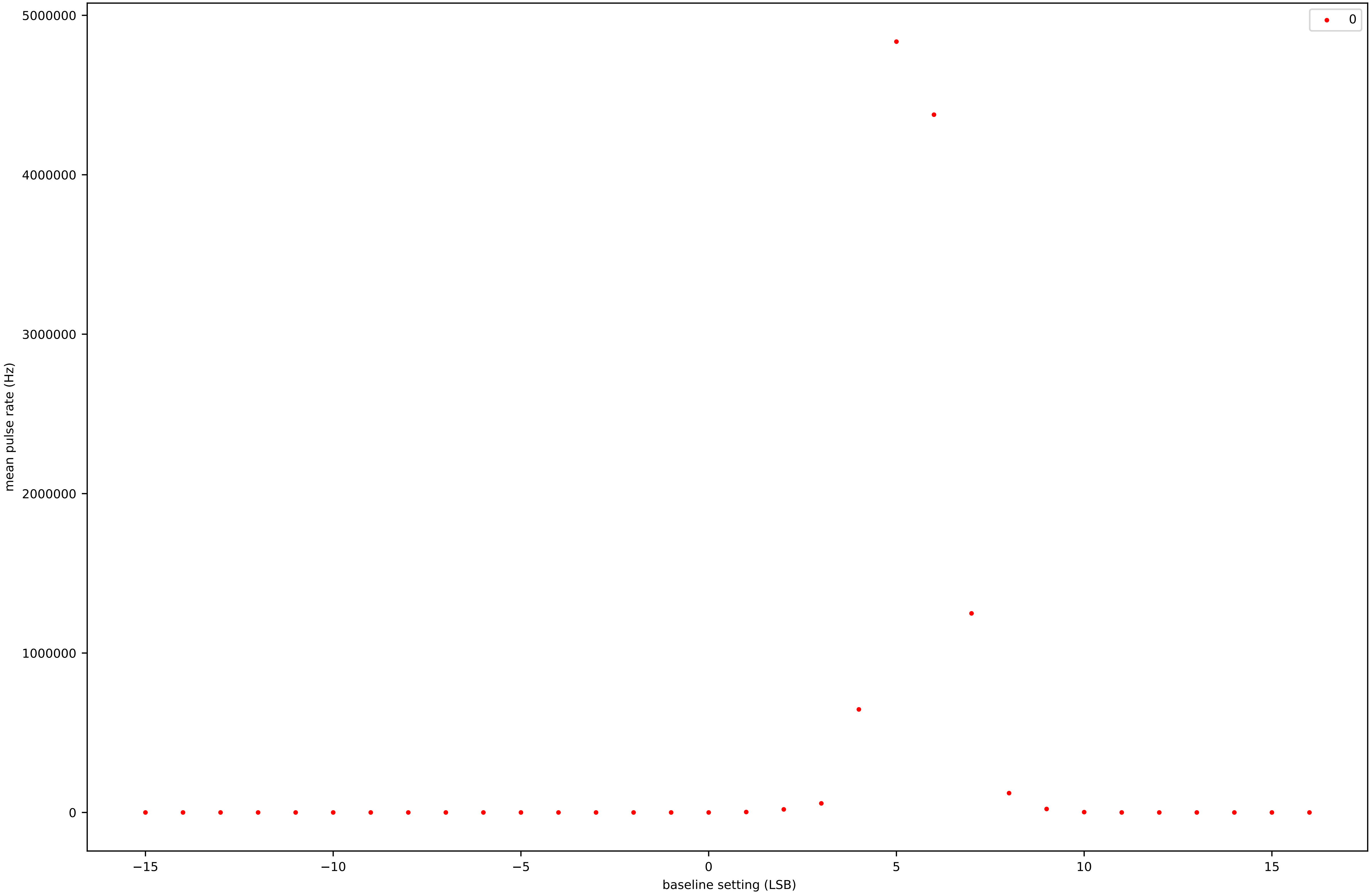
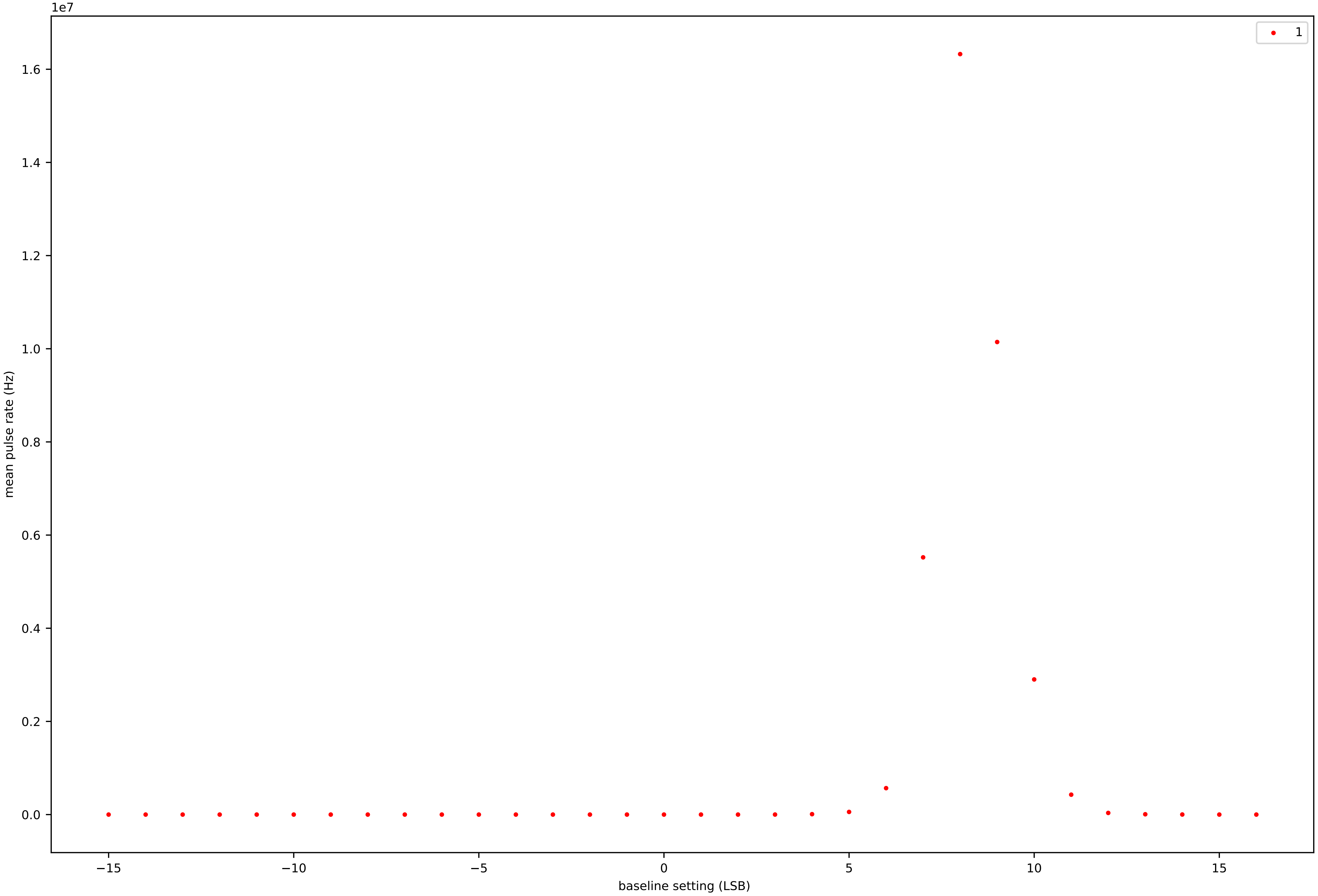
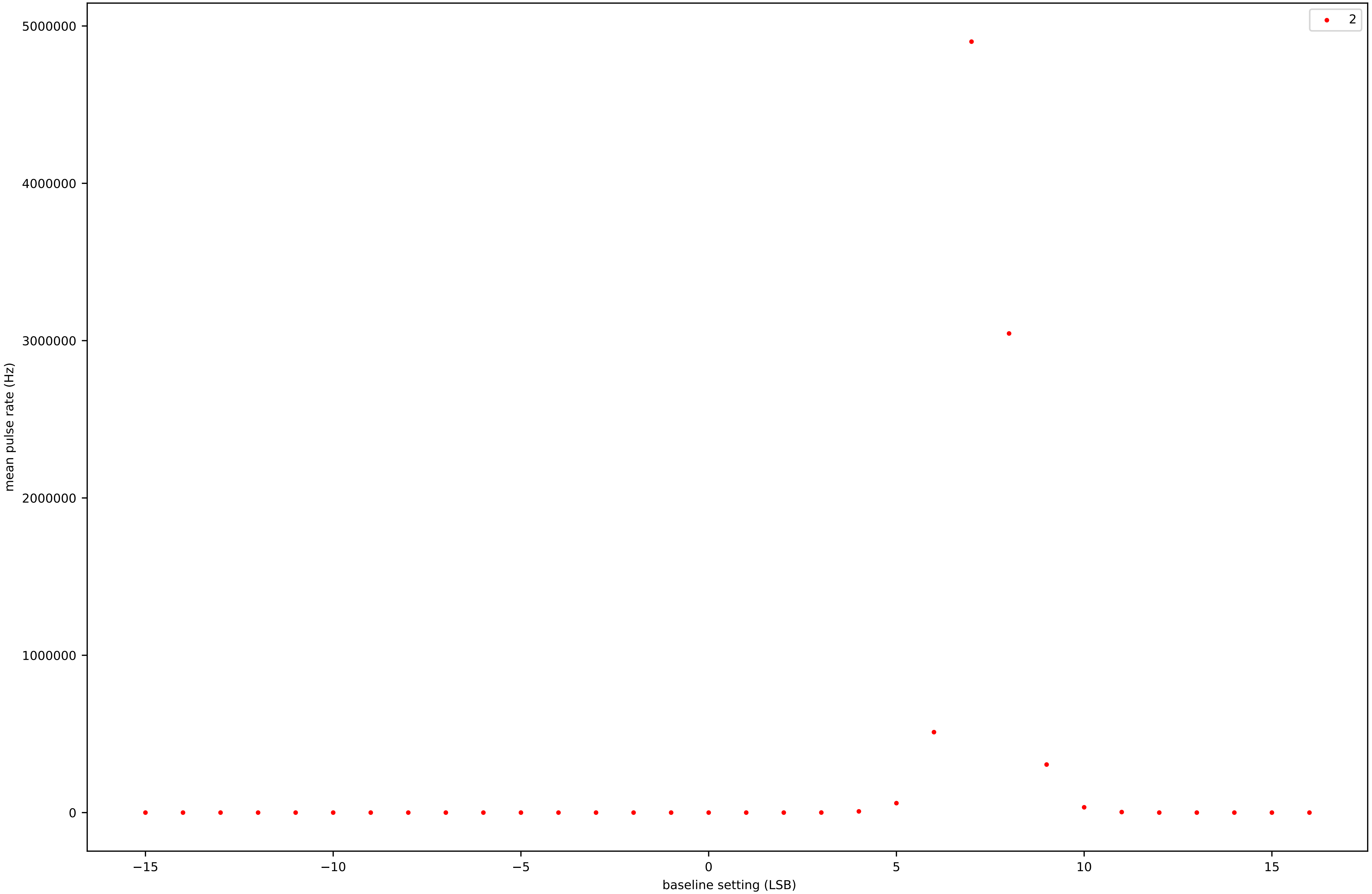
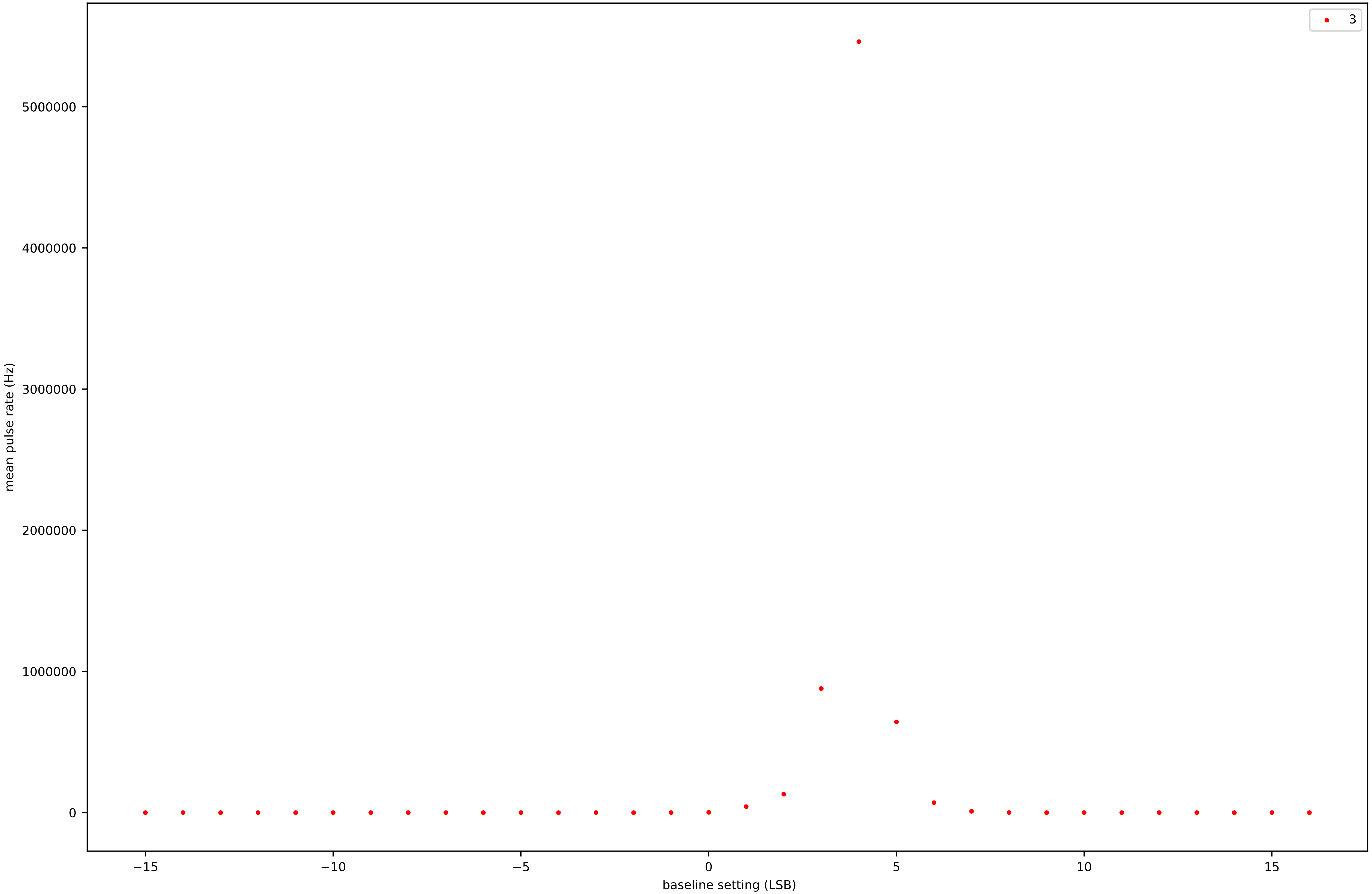

channel 0
channel 1
channel 2
channel 3
channel 4
channel 5
channel 6
channel 7
mean pulse rate (Hz)
10^{13}
10^{11}
10^{9}
10^{7}
10^{5}
10^{3}
10^{1}
10^{-1}
threshold set (LSB)
0
5
10
15
20
25
30

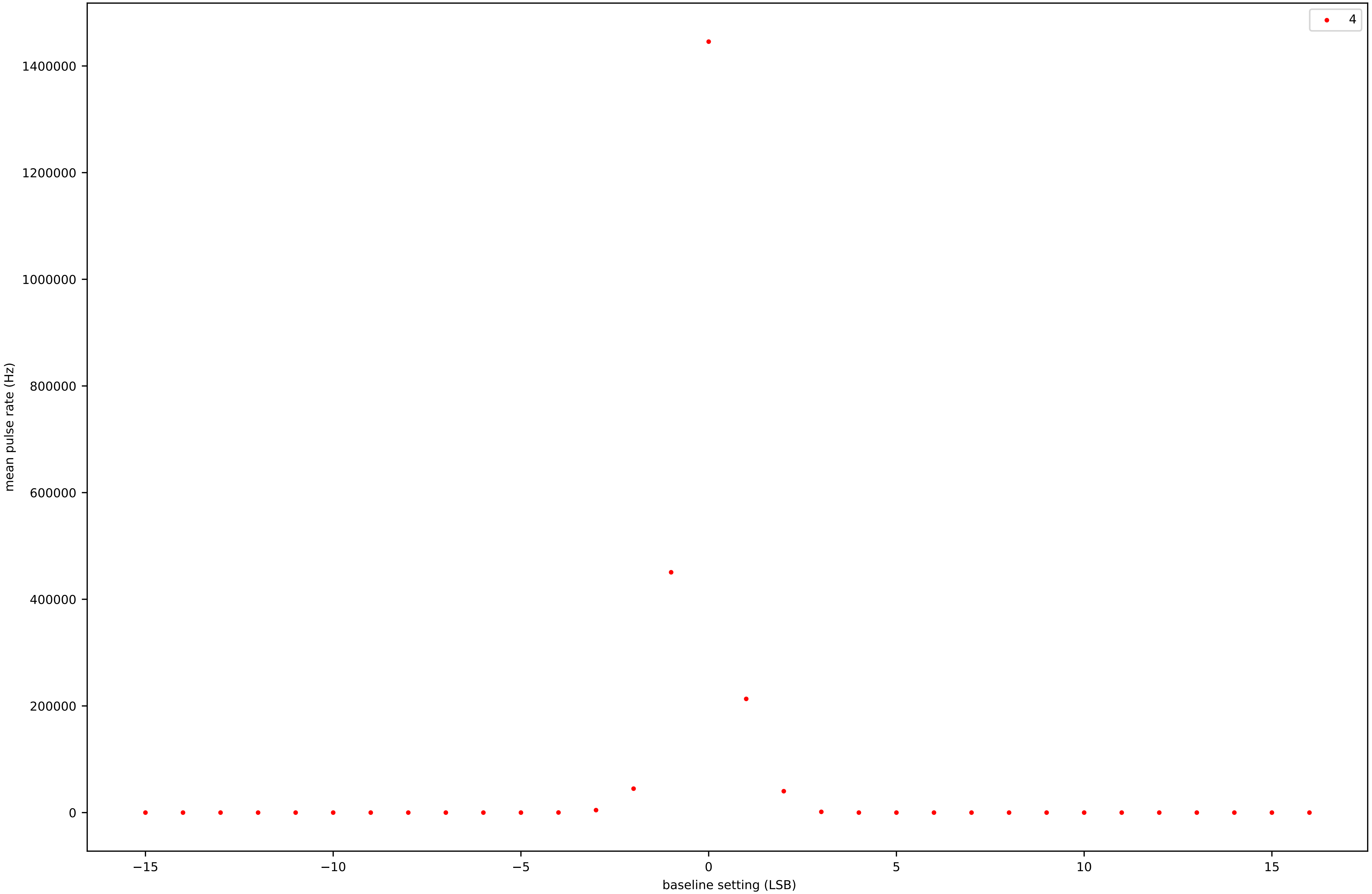

channel 0
channel 1
channel 2
channel 3
channel 4
channel 5
channel 6
channel 7
mean pulse rate (Hz)
10^{15}
10^{13}
10^{11}
10^{9}
10^{7}
10^{5}
10^{3}
10^{1}
10^{-1}
−15
−10
−5
0
5
10
15
baseline setting (LSB)

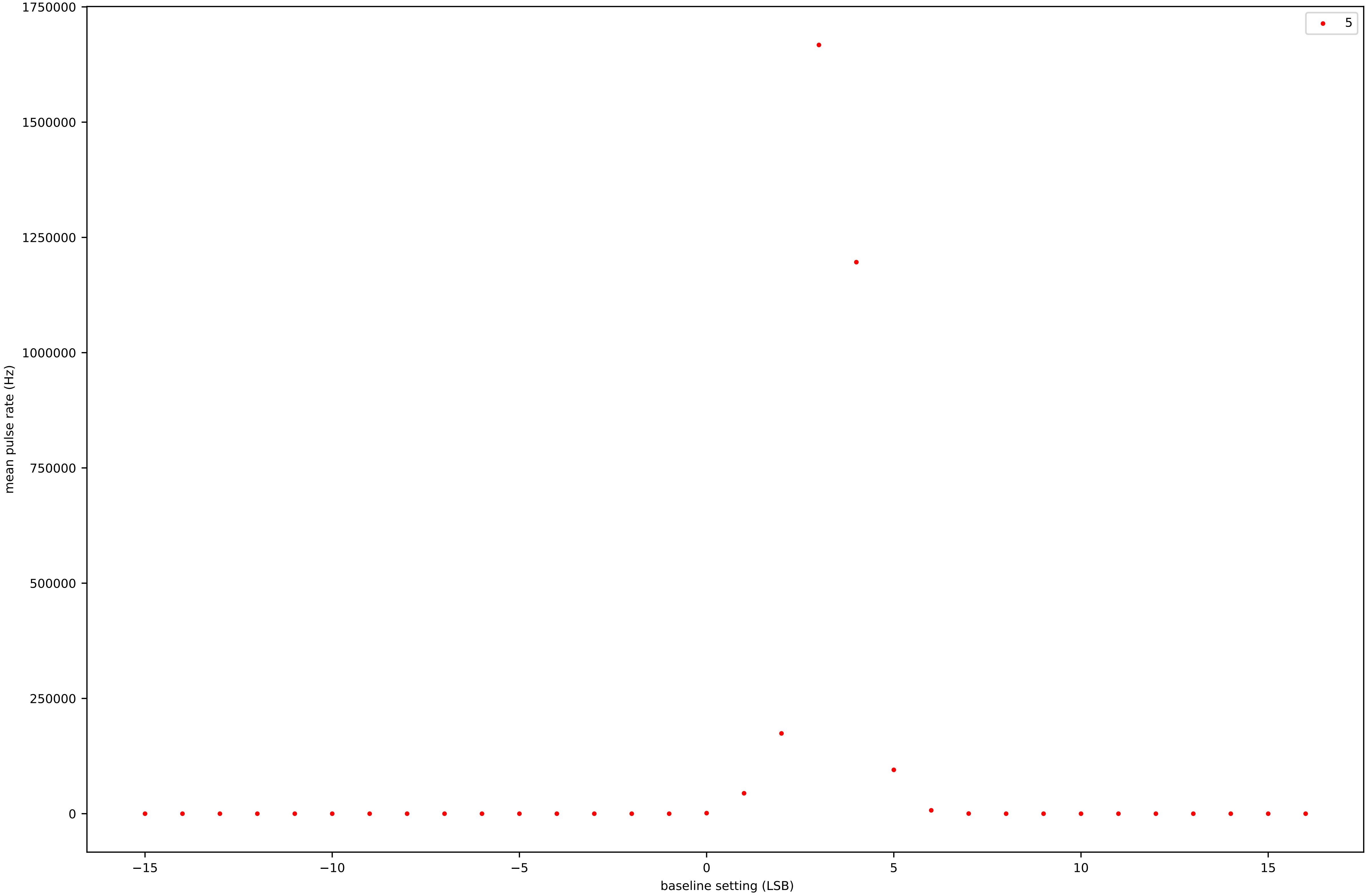

5000000
4000000
3000000
2000000
1000000
0
mean pulse rate (Hz)
−15
−10
−5
0
5
10
15
baseline setting (LSB)
0

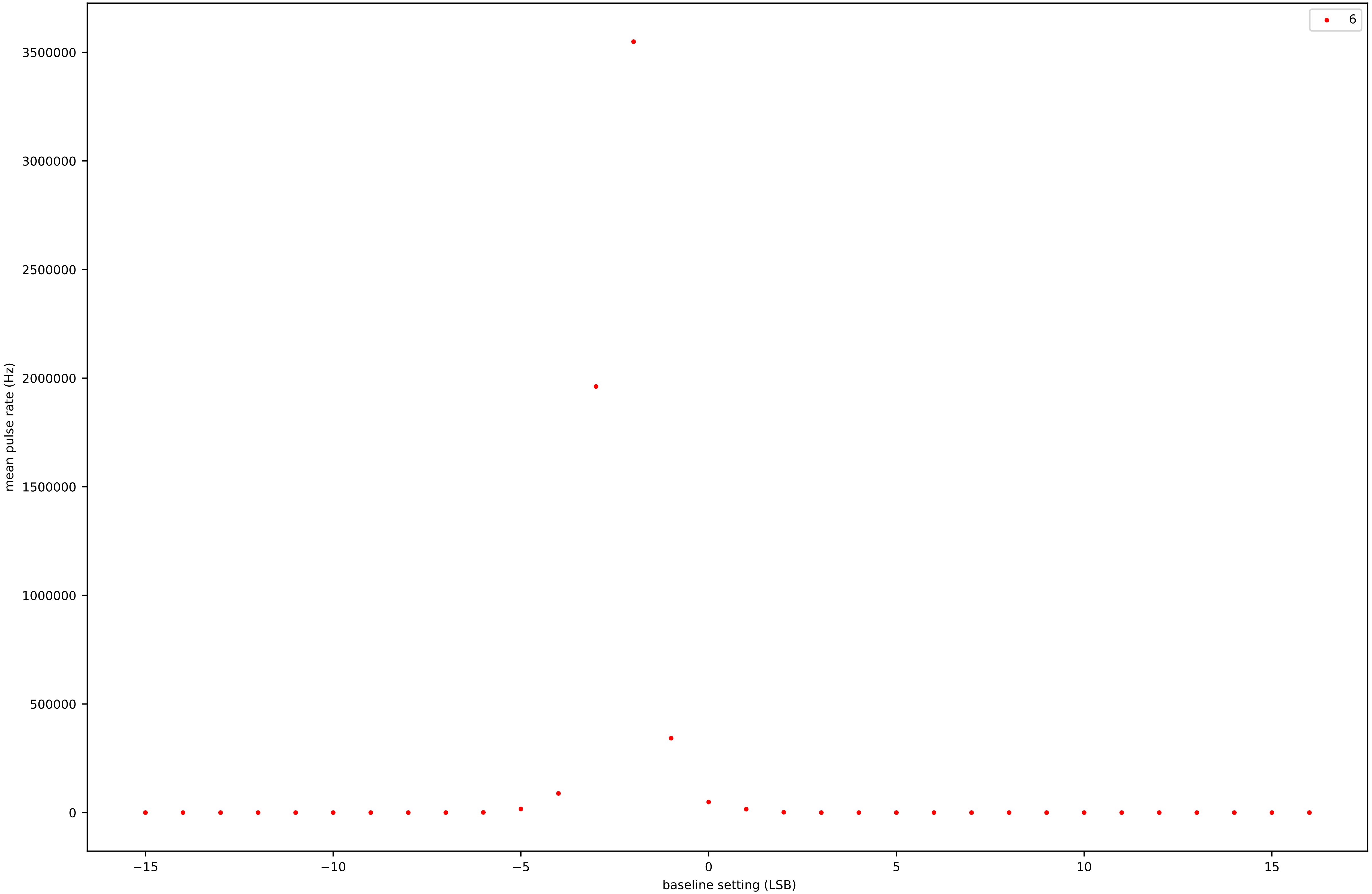

1e7
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
mean pulse rate (Hz)
−15
−10
−5
0
5
10
15
baseline setting (LSB)
1

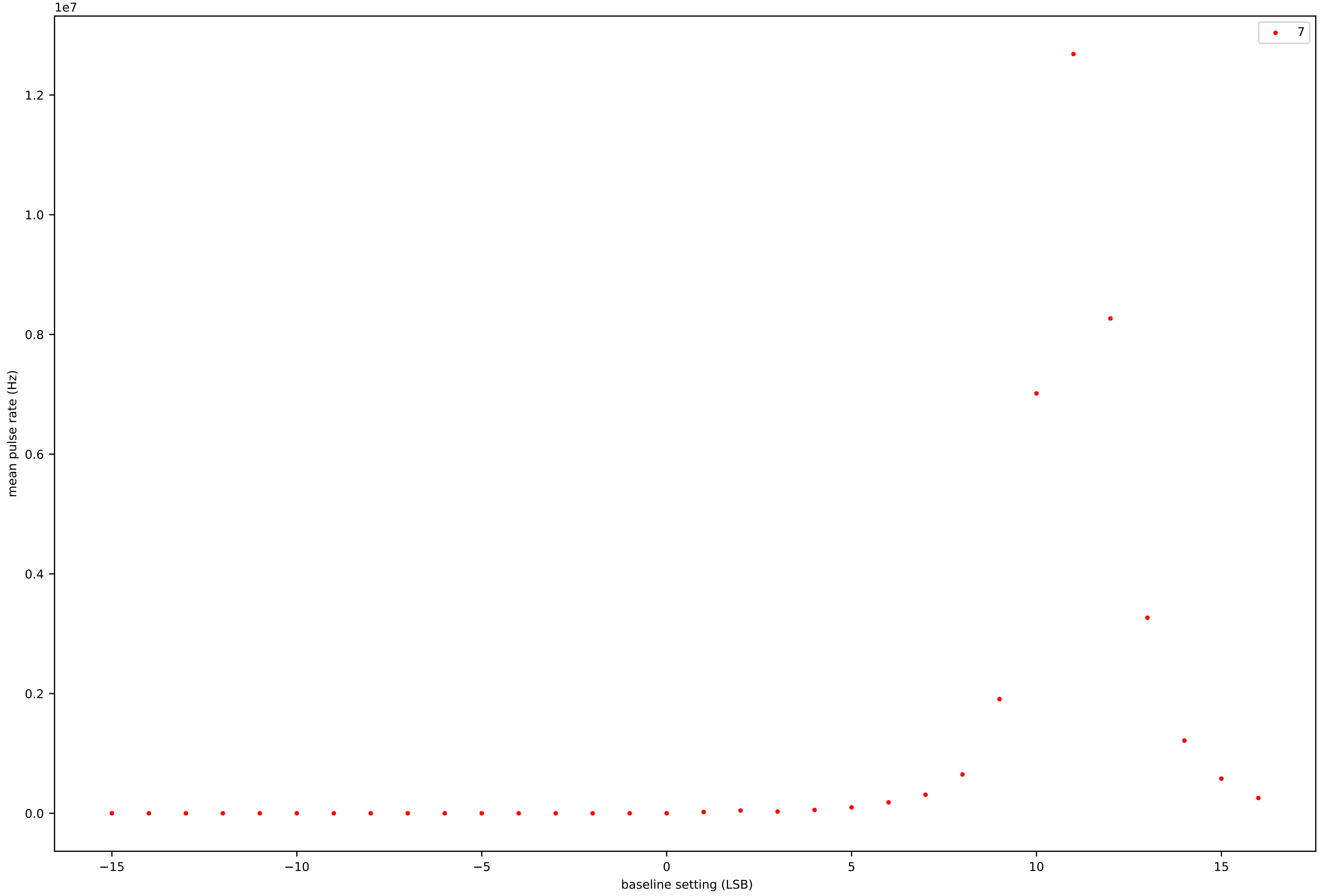

5000000
4000000
3000000
2000000
1000000
0
mean pulse rate (Hz)
−15
−10
−5
0
5
10
15
baseline setting (LSB)
2

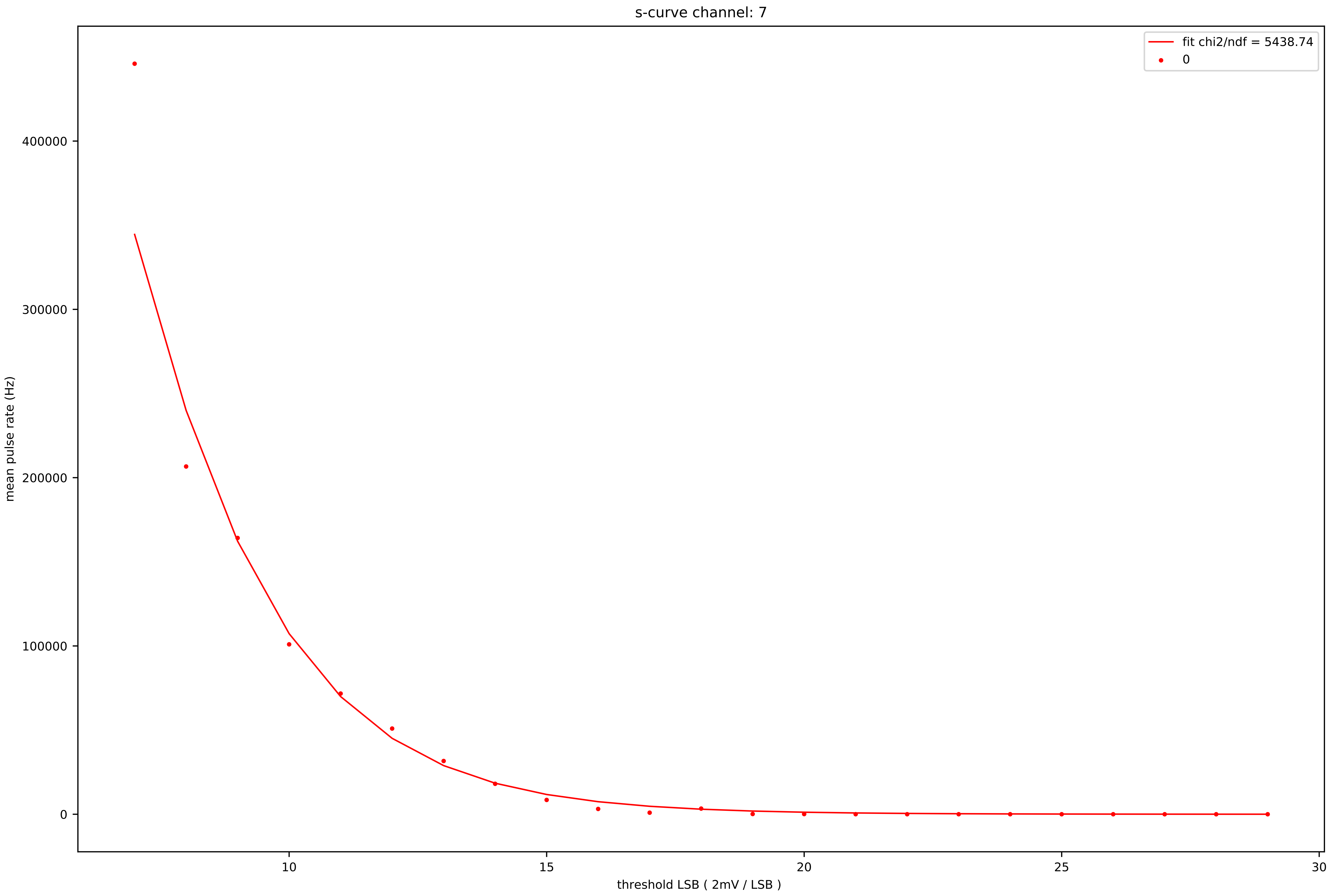

mean pulse rate (Hz)
5000000
4000000
3000000
2000000
1000000
0
−15
−10
−5
0
5
10
15
baseline setting (LSB)
3

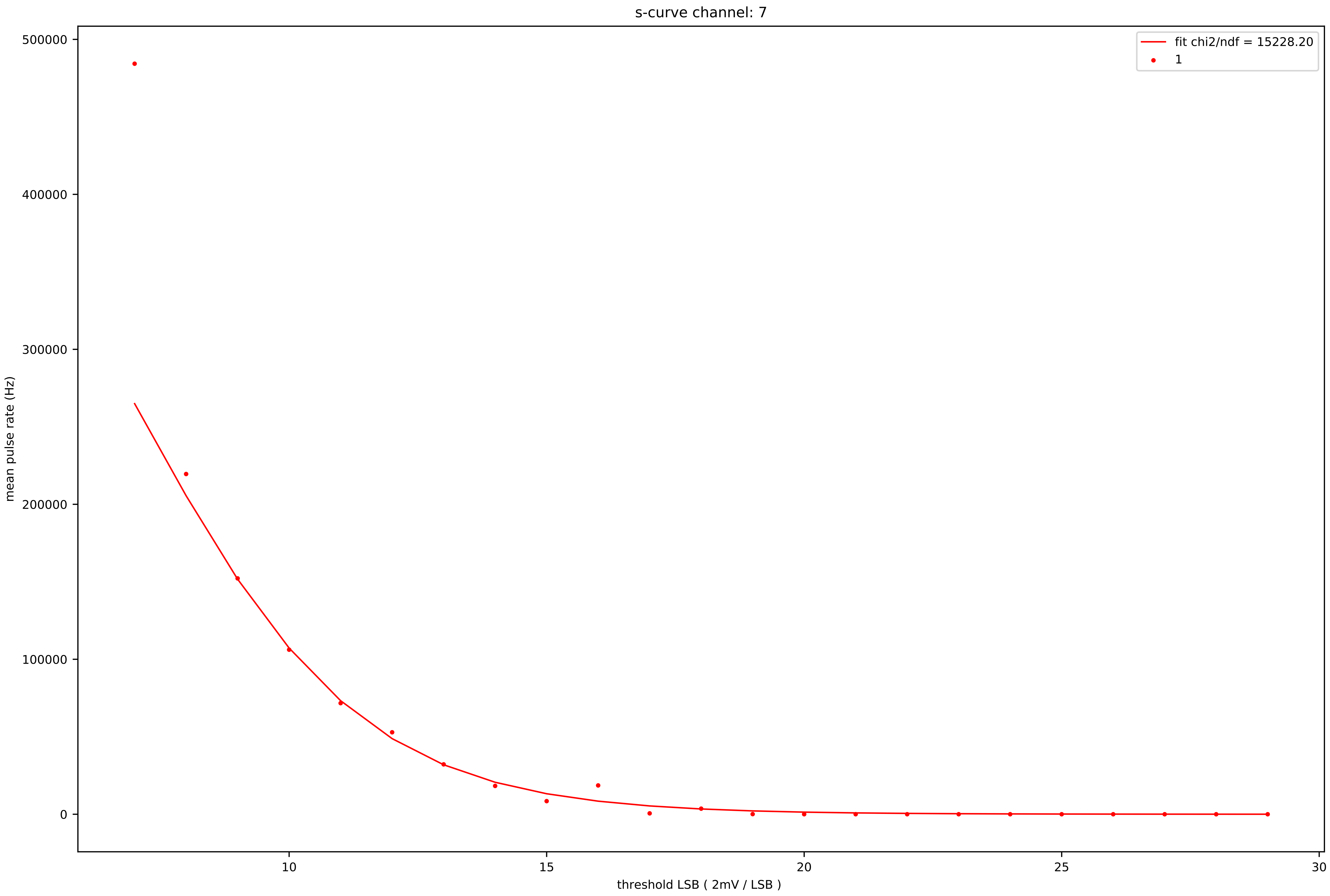

4
1400000
1200000
1000000
800000
600000
400000
200000
0
mean pulse rate (Hz)
−15
−10
−5
0
5
10
15
baseline setting (LSB)

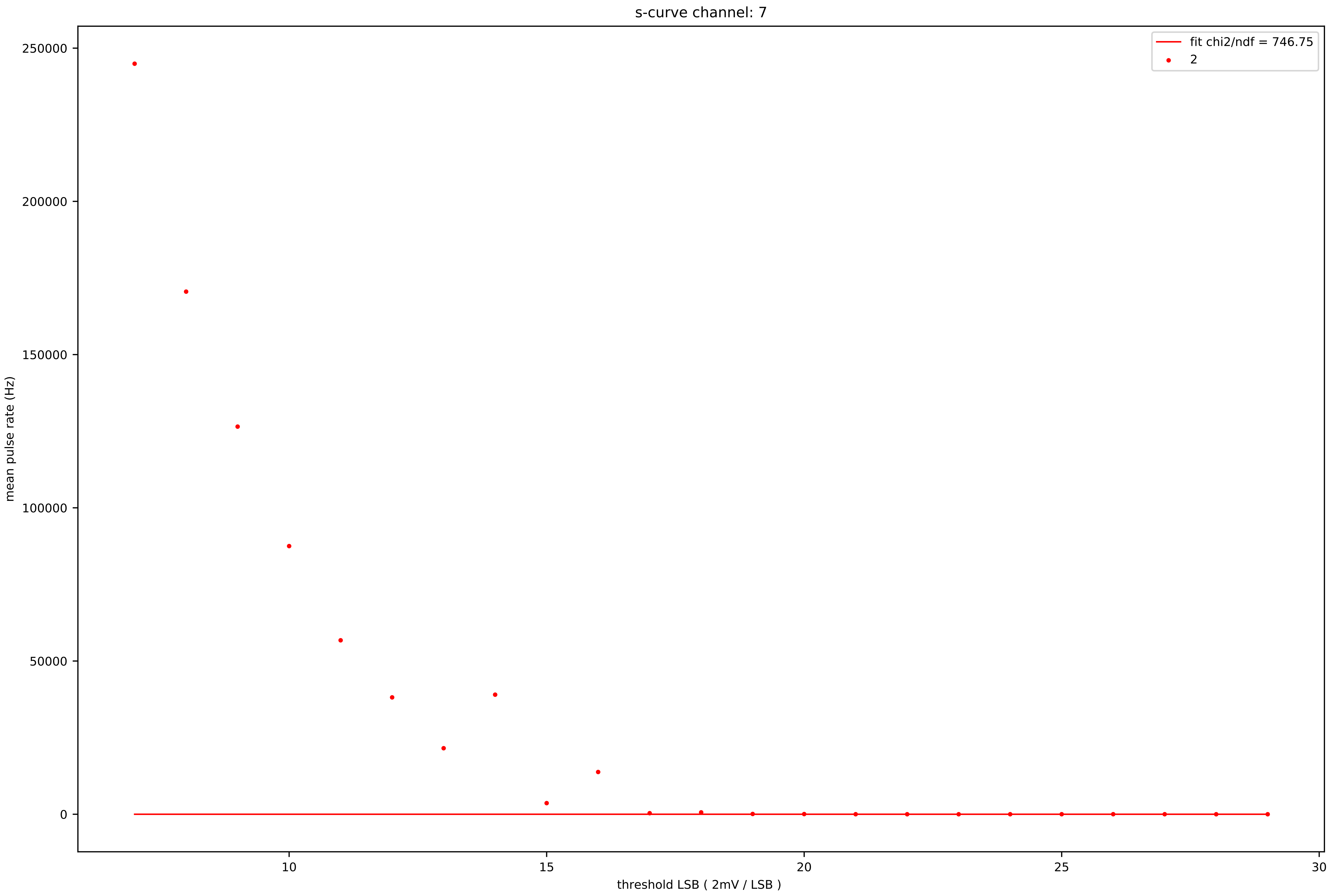

mean pulse rate (Hz)
baseline setting (LSB)
5
0
250000
500000
750000
1000000
1250000
1500000
1750000
−15
−10
−5
0
5
10
15

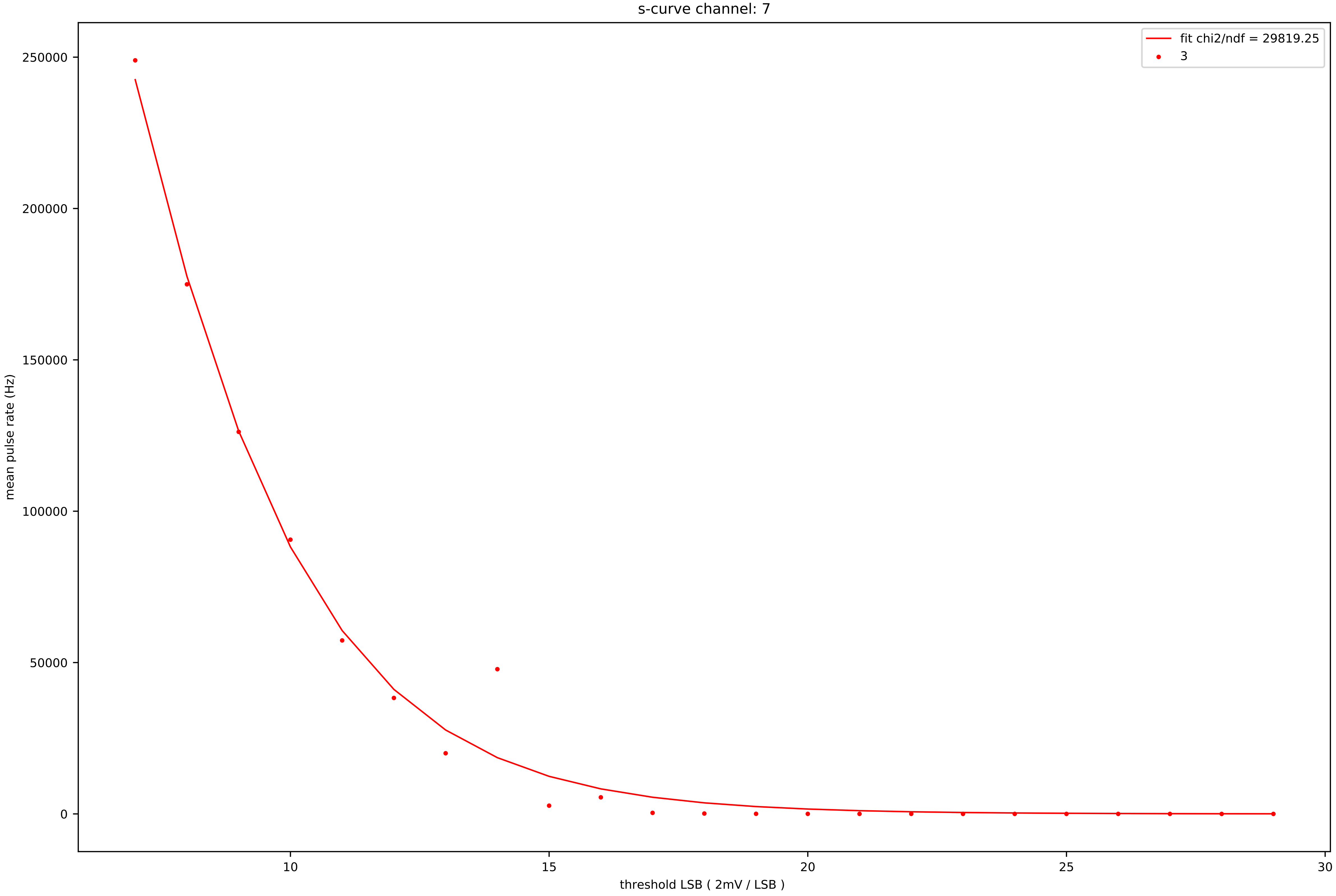

6
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
mean pulse rate (Hz)
−15
−10
−5
0
5
10
15
baseline setting (LSB)

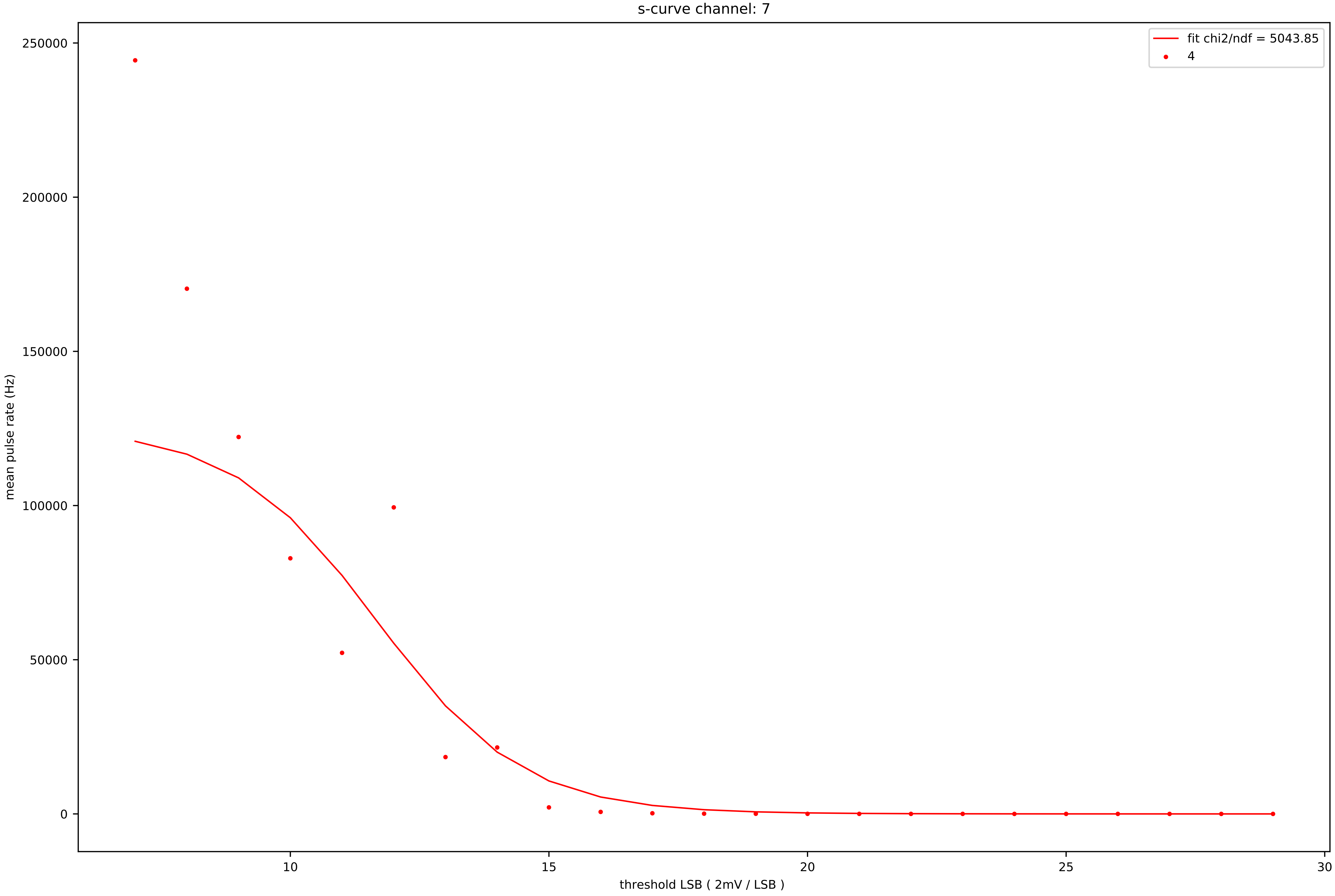

1e7
1.2
1.0
0.8
0.6
0.4
0.2
0.0
mean pulse rate (Hz)
−15
−10
−5
0
5
10
15
baseline setting (LSB)
● 7

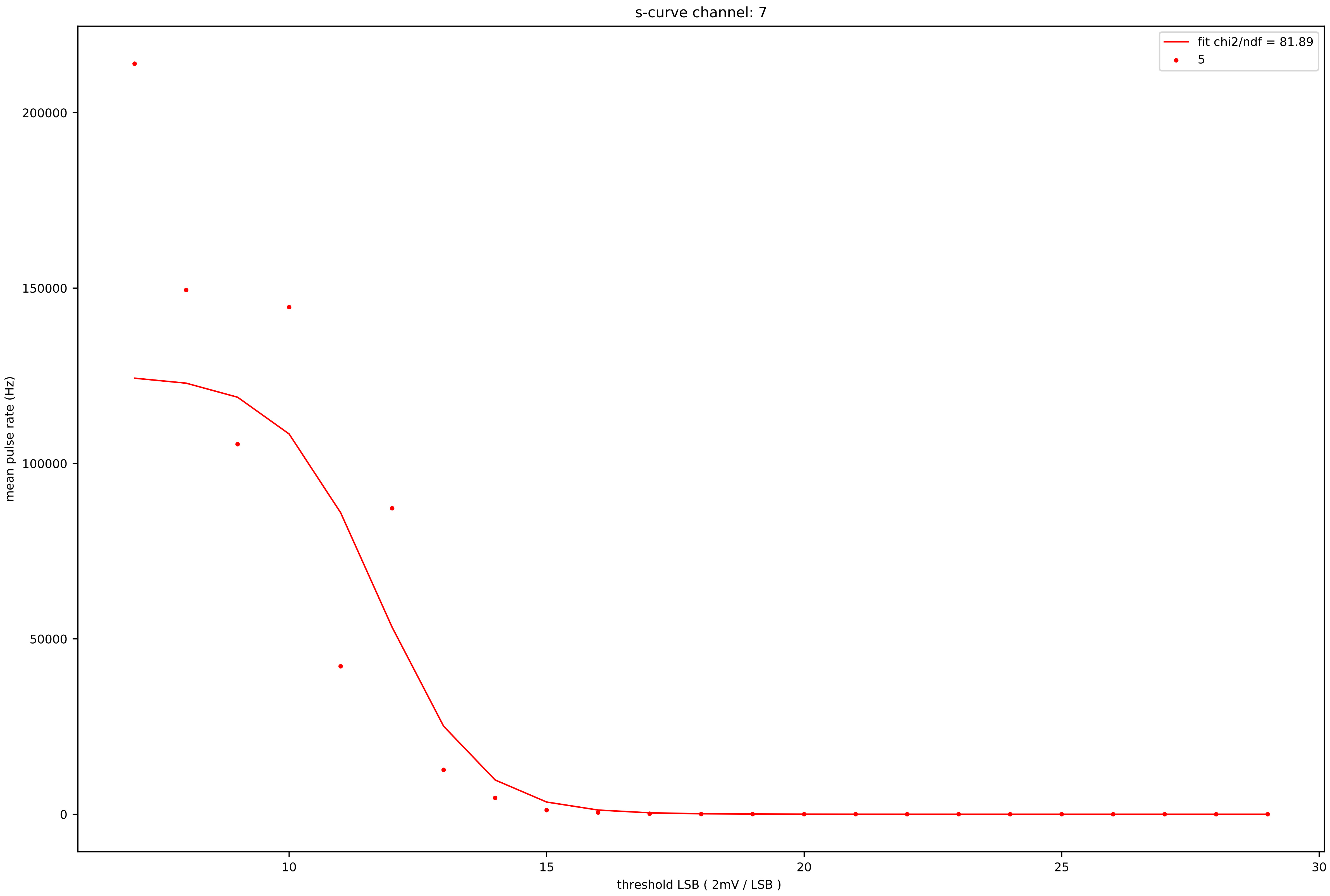

s-curve channel: 7
fit chi2/ndf = 5438.74
0
mean pulse rate (Hz)
400000
300000
200000
100000
0
10
15
20
25
30
threshold LSB (2mV / LSB)

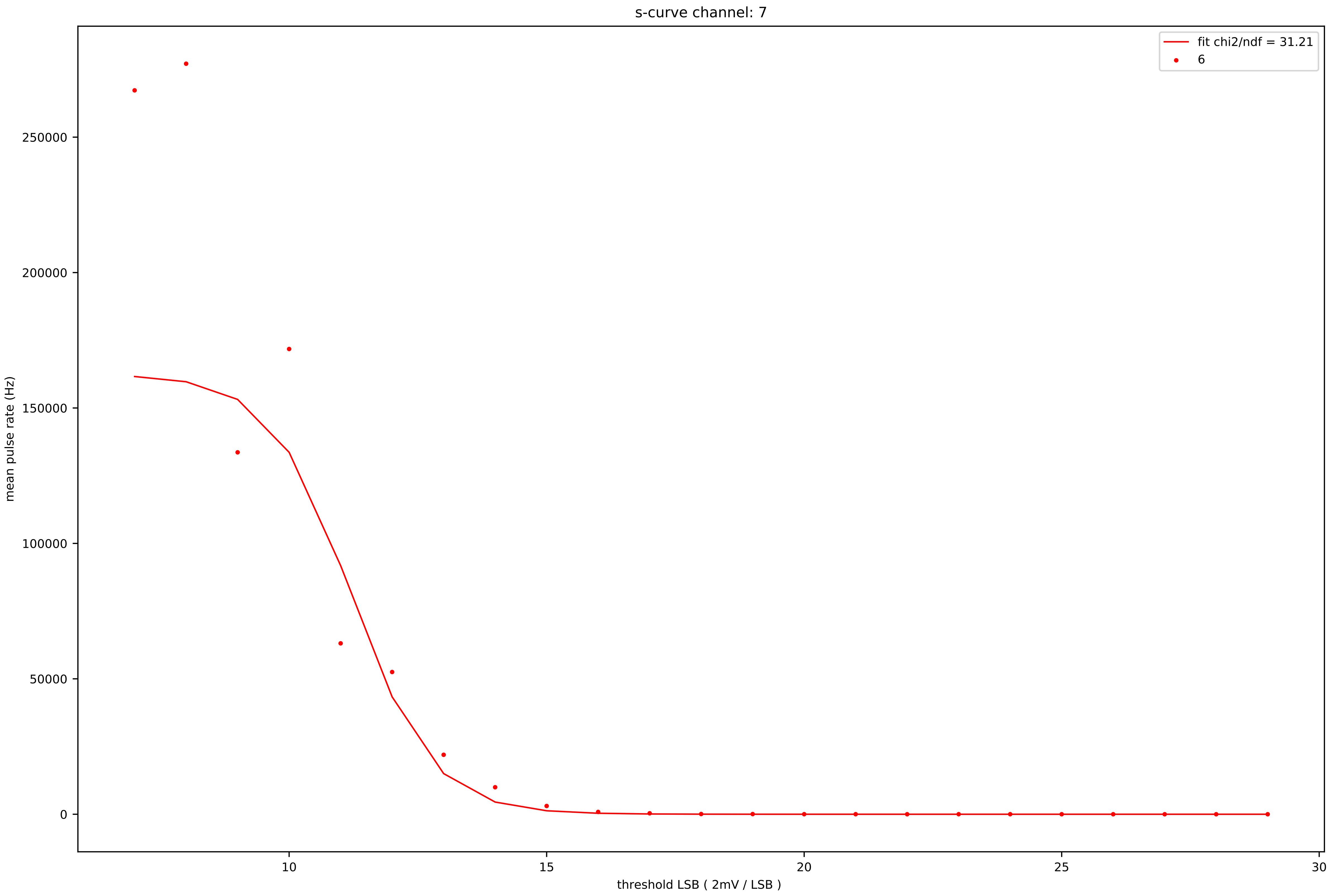

s-curve channel: 7
fit chi2/ndf = 15228.20
1
mean pulse rate (Hz)
500000
400000
300000
200000
100000
0
threshold LSB (2mV / LSB)
10
15
20
25
30

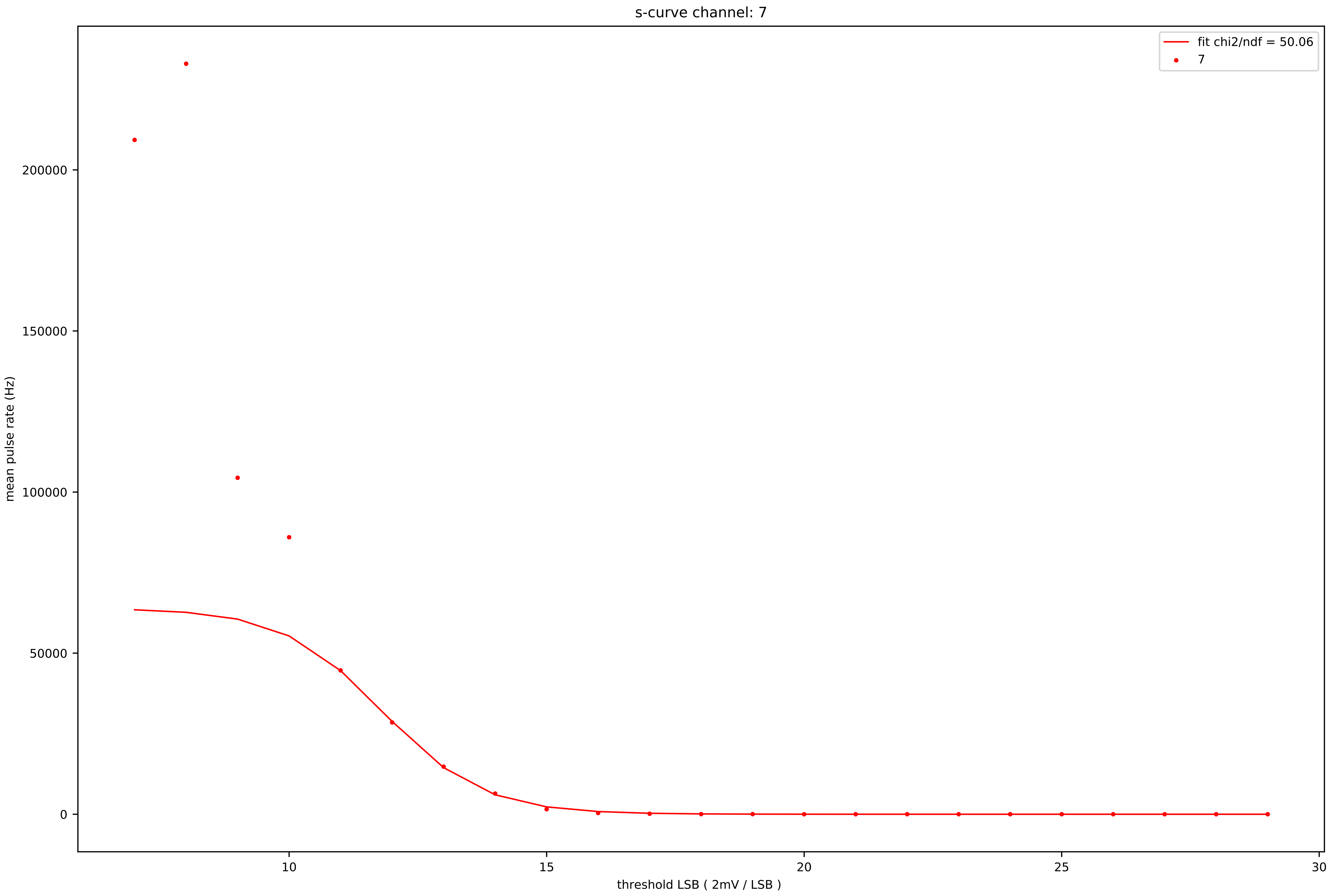

s-curve channel: 7
fit chi2/ndf = 746.75
2
mean pulse rate (Hz)
250000
200000
150000
100000
50000
0
10
15
20
25
30
threshold LSB (2mV / LSB)


s-curve channel: 7
fit chi2/ndf = 29819.25
3
mean pulse rate (Hz)
250000
200000
150000
100000
50000
0
10
15
20
25
30
threshold LSB (2mV / LSB)


s-curve channel: 7
fit chi2/ndf = 5043.85
4
mean pulse rate (Hz)
250000
200000
150000
100000
50000
0
10
15
20
25
30
threshold LSB (2mV / LSB)


s-curve channel: 7
fit chi2/ndf = 81.89
5
mean pulse rate (Hz)
200000
150000
100000
50000
0
10
15
20
25
30
threshold LSB (2mV / LSB)


s-curve channel: 7
fit chi2/ndf = 31.21
6
mean pulse rate (Hz)
0
50000
100000
150000
200000
250000
10
15
20
25
30
threshold LSB (2mV / LSB)


s-curve channel: 7
fit chi2/ndf = 50.06
7
mean pulse rate (Hz)
200000
150000
100000
50000
0
threshold LSB (2mV / LSB)
10
15
20
25
30