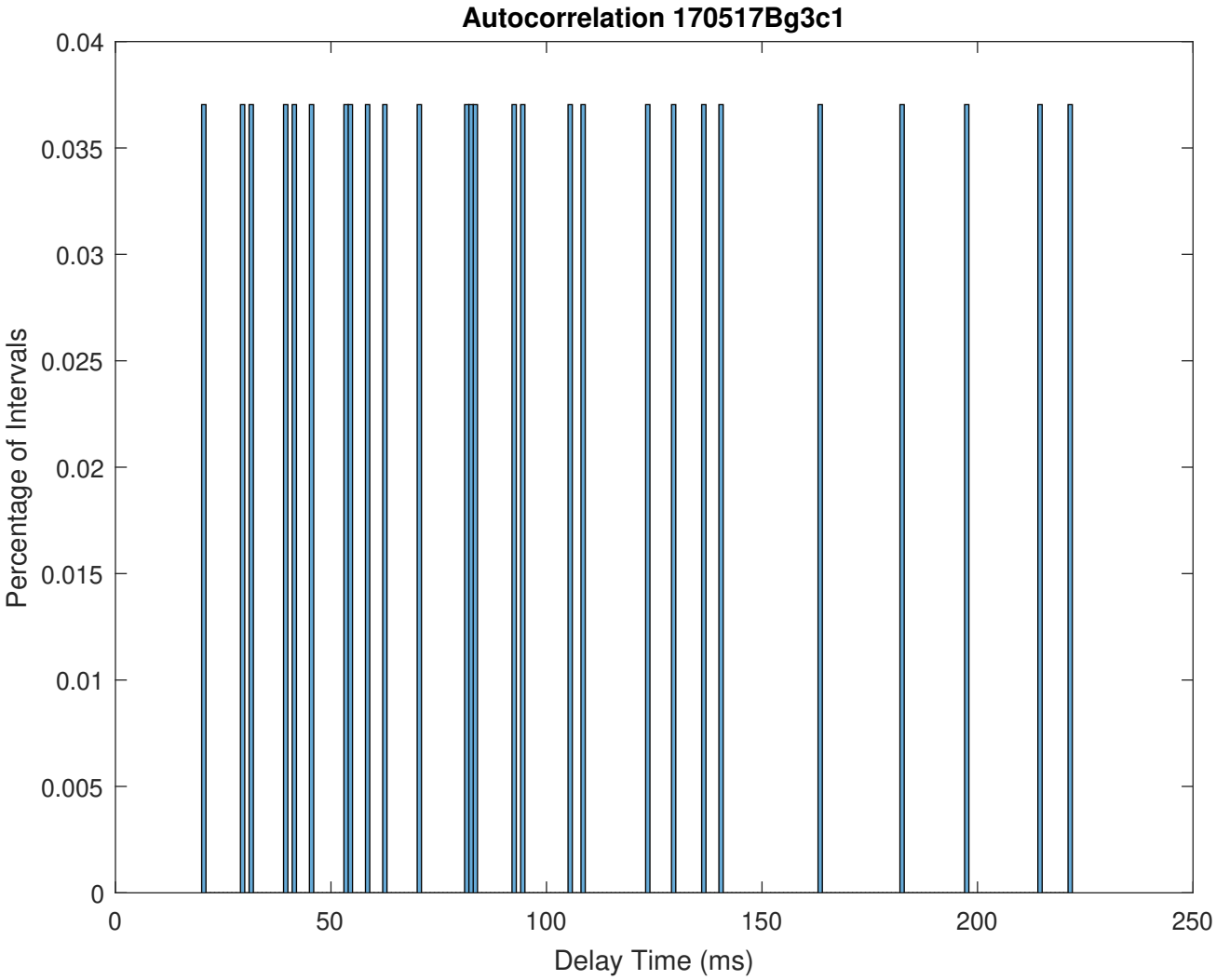
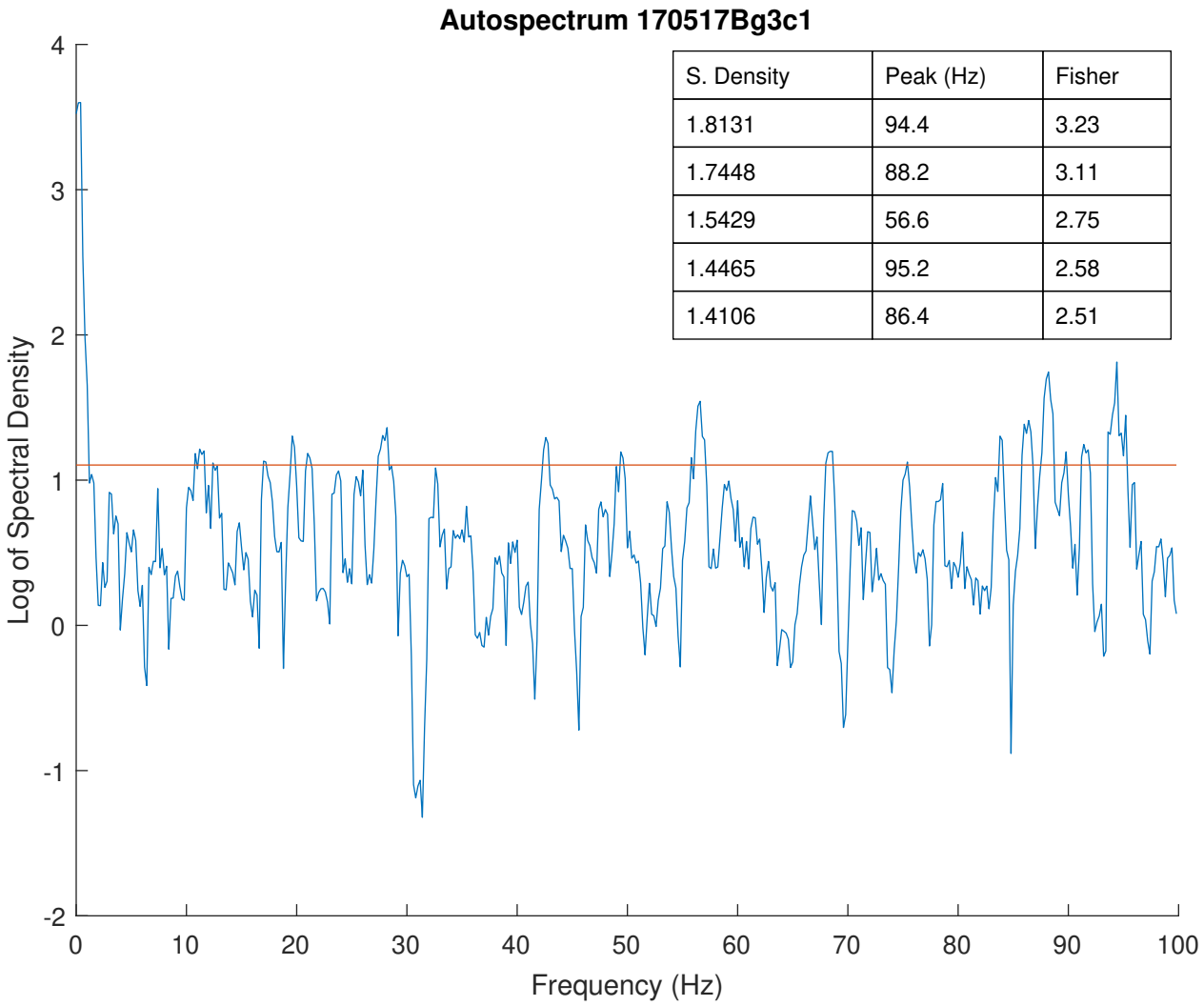
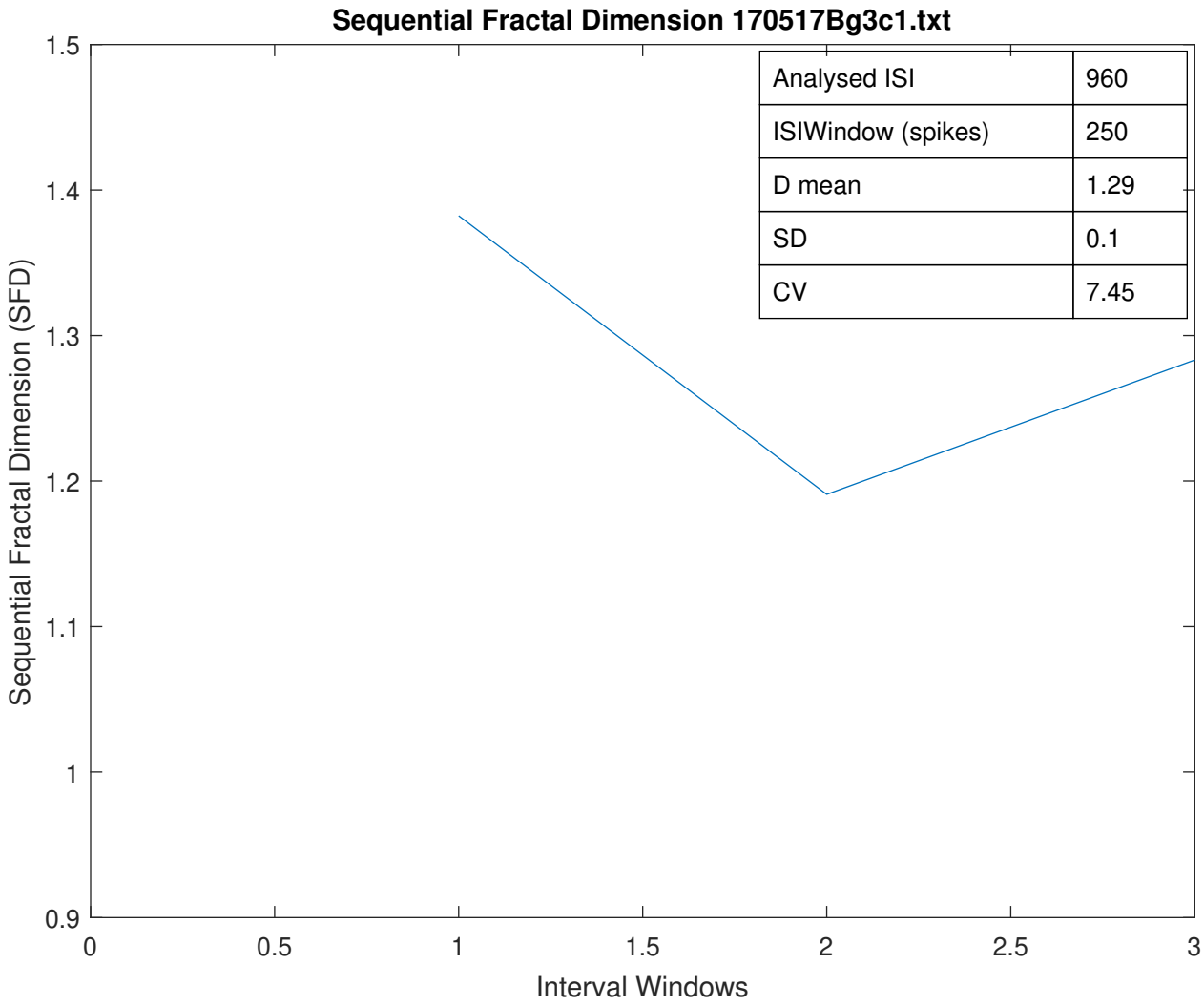
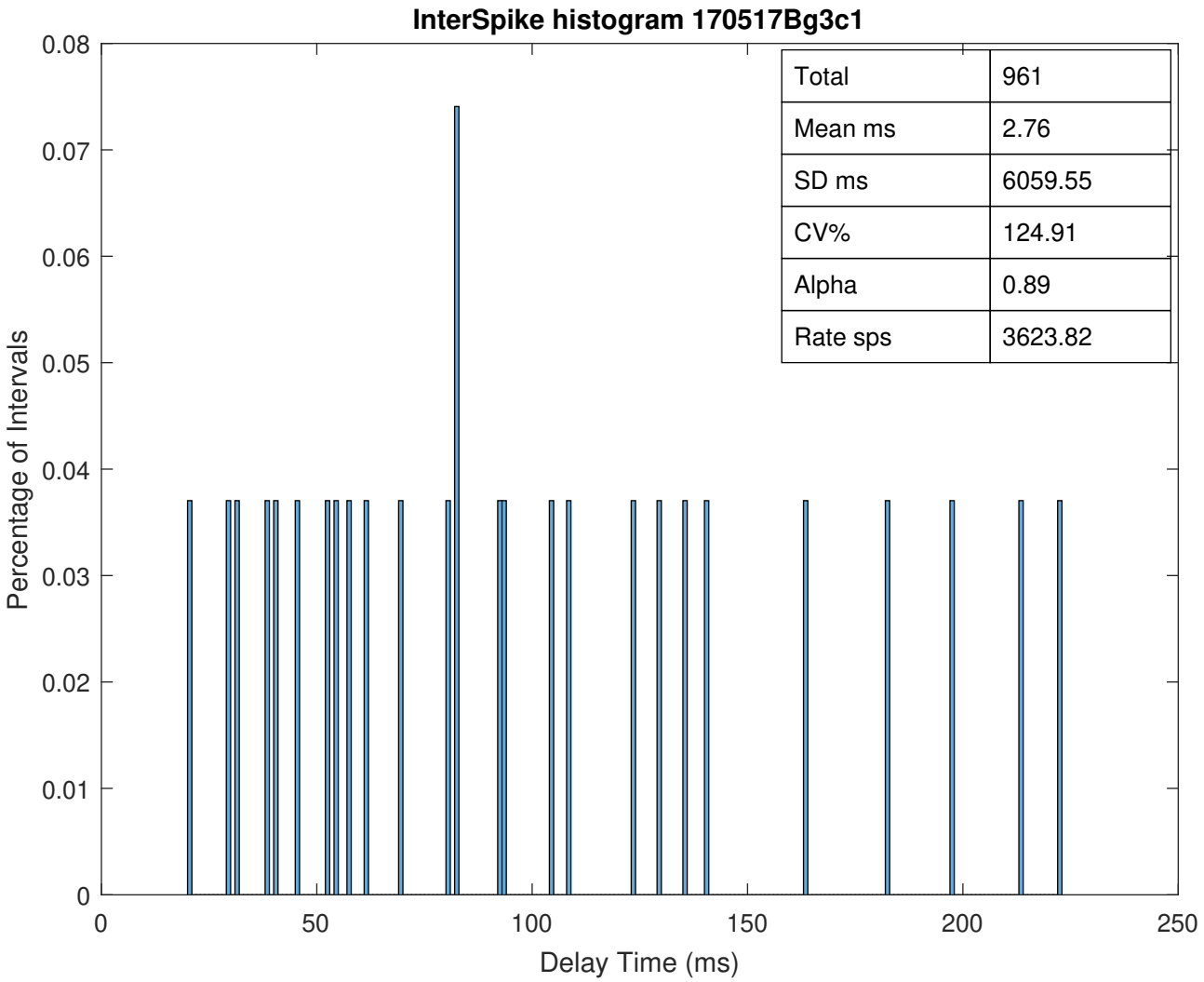
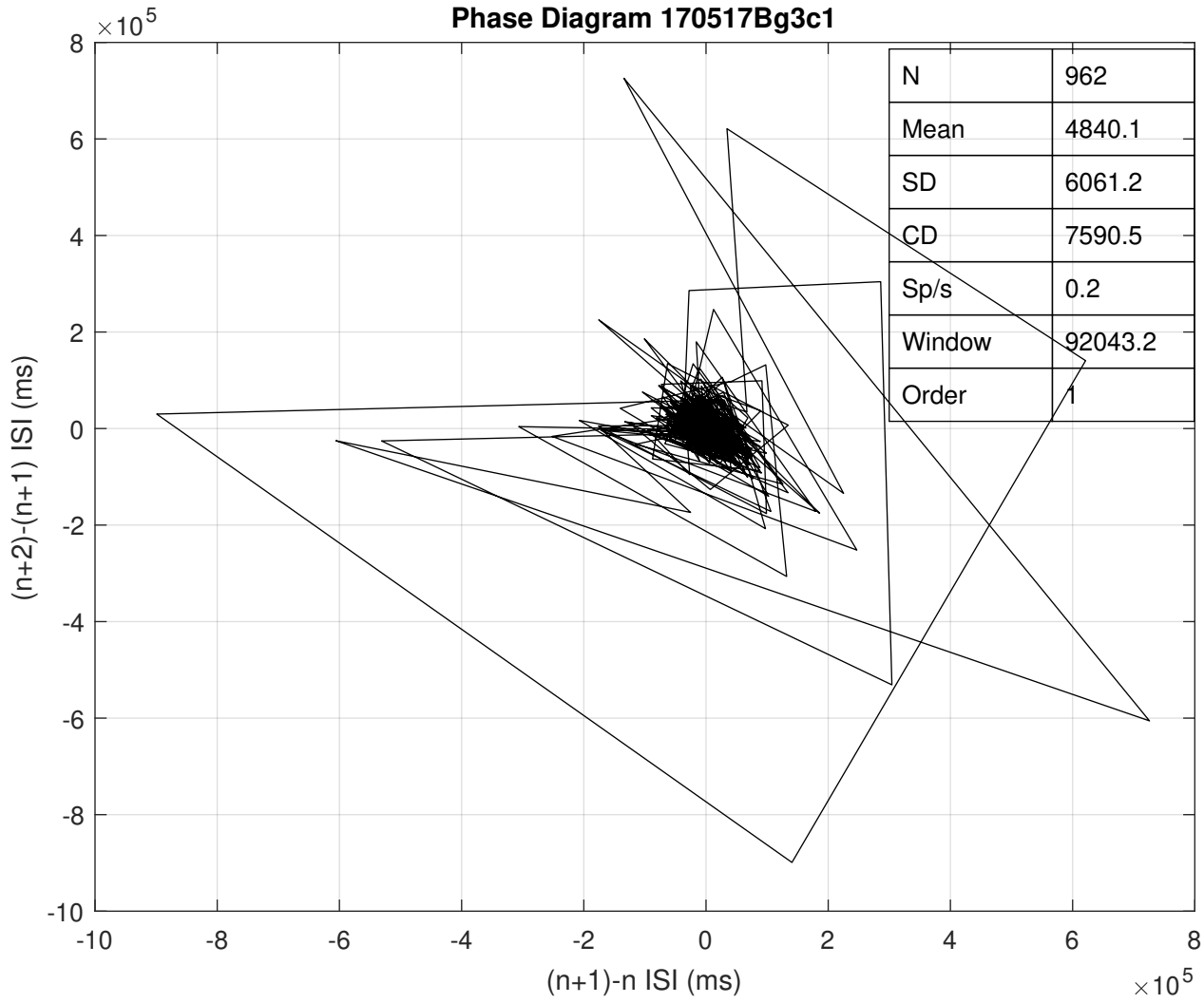

Autocorrelation 170517Bg3c1
Percentage of Intervals
Delay Time (ms)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0
50
100
150
200
250

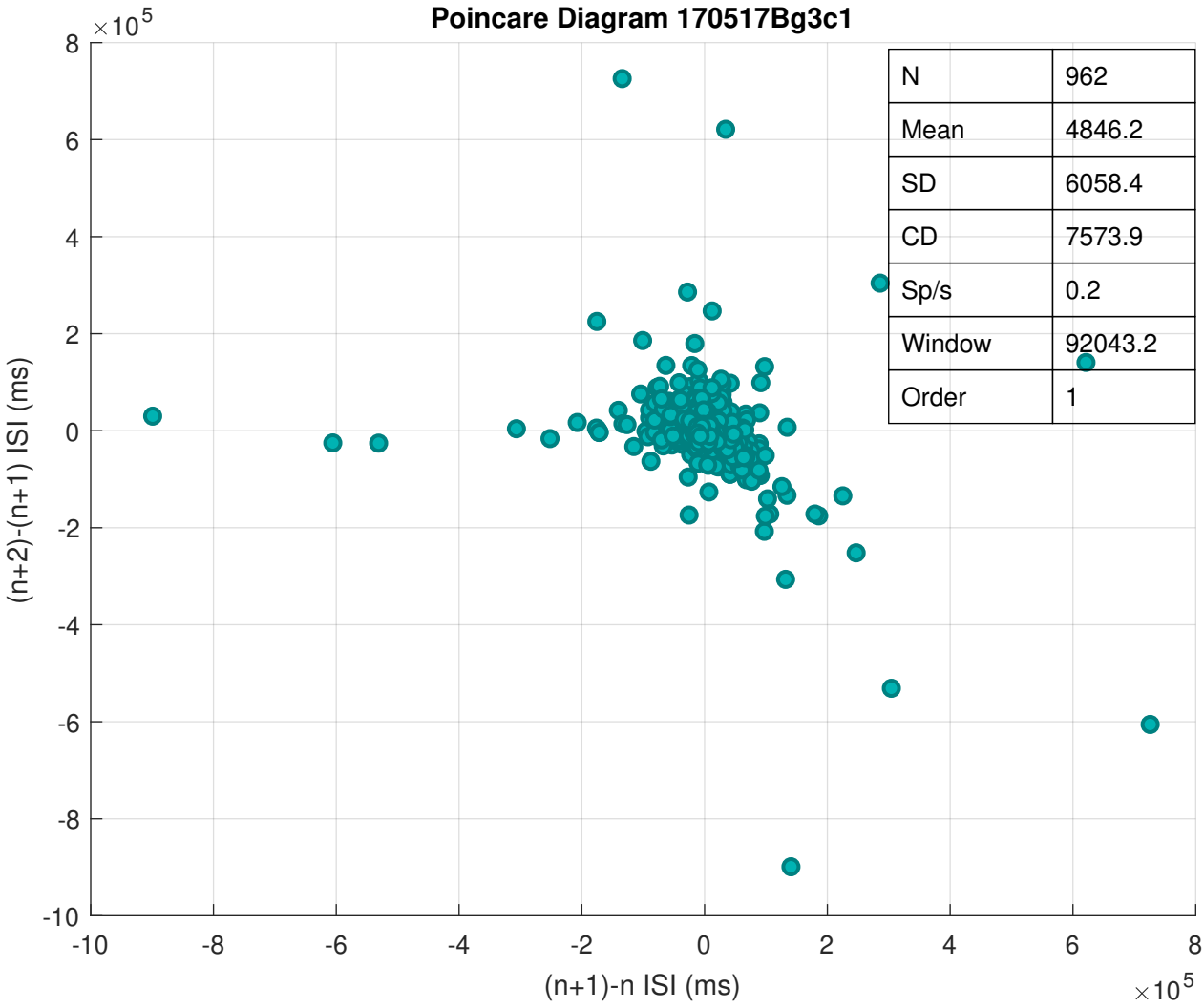

Autospectrum 170517Bg3c1
S. Density | Peak (Hz) | Fisher
1.8131 | 94.4 | 3.23
1.7448 | 88.2 | 3.11
1.5429 | 56.6 | 2.75
1.4465 | 95.2 | 2.58
1.4106 | 86.4 | 2.51
Log of Spectral Density
Frequency (Hz)
4
3
2
1
0
-1
-2
0
10
20
30
40
50
60
70
80
90
100

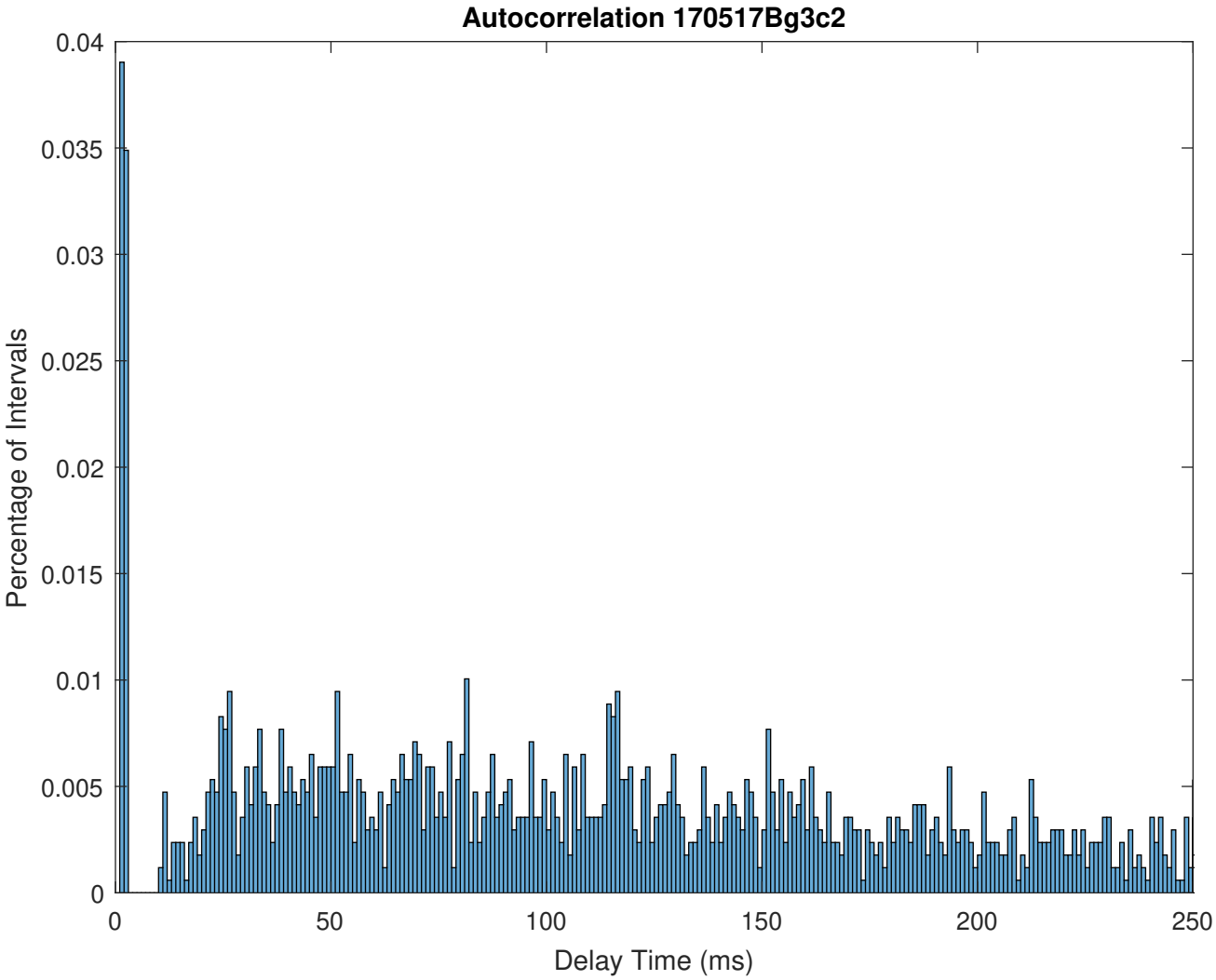
170517Bg3c1		
N Spikes	962	
Min & MAX ISI	20-92043.2	
Mean(X)	4846.16	
SD	6058.42	
SE	195.33	
Gamma	0.89437	
CV	125.01	
Intervals < X	637	
Intervals > X	325	
Short/Long Interval Ratio	1.96	
Short Interval Intensity	0.23	
2nd Burst Time Window (ms)	10	50
Intervals < BTW	1	7
Intervals > BTW	961	955
Burst Duration	10	50
Burst Ratio	0.001	0.007
Burst Intensity	0.1	0.14


Sequential Fractal Dimension 170517Bg3c1.txt
Analysed ISI 960
ISIWindow (spikes) 250
D mean 1.29
SD 0.1
CV 7.45
Sequential Fractal Dimension (SFD)
Interval Windows
1.5
1.4
1.3
1.2
1.1
1
0.9
0
0.5
1
1.5
2
2.5
3


InterSpike histogram 170517Bg3c1
Total 961
Mean ms 2.76
SD ms 6059.55
CV% 124.91
Alpha 0.89
Rate sps 3623.82
Percentage of Intervals
Delay Time (ms)
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0
50
100
150
200
250

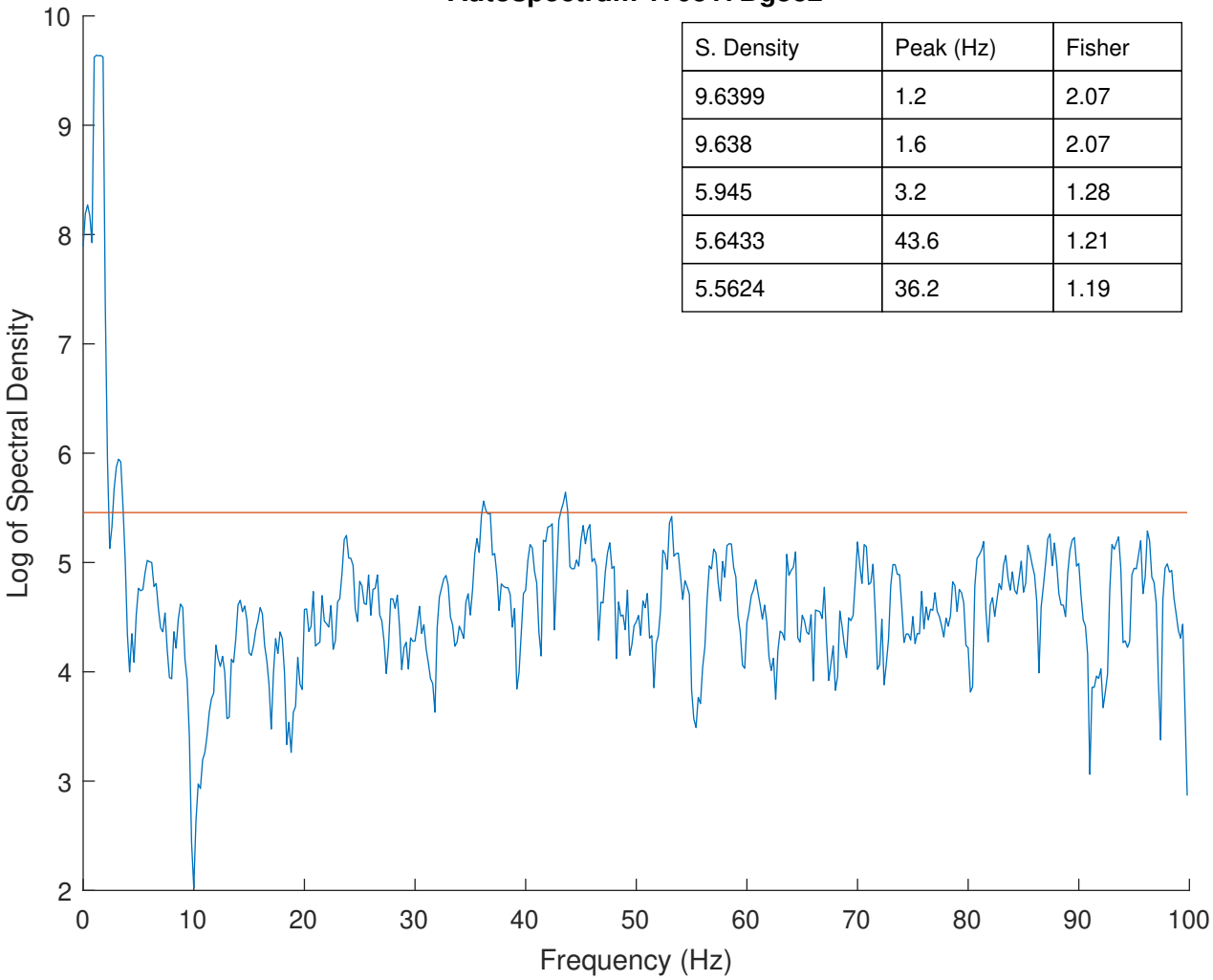

Phase Diagram 170517Bg3c1
×10^5
8
6
4
2
0
-2
-4
-6
-8
-10
(n+2)-(n+1) ISI (ms)
-10
-8
-6
-4
-2
0
2
4
6
8
(n+1)-n ISI (ms)
×10^5
N 962
Mean 4840.1
SD 6061.2
CD 7590.5
Sp/s 0.2
Window 92043.2
Order 1


Poincare Diagram 170517Bg3c1
×10^5
8
6
4
2
0
-2
-4
-6
-8
-10
(n+2)-(n+1) ISI (ms)
-10
-8
-6
-4
-2
0
2
4
6
8
(n+1)-n ISI (ms)
×10^5
N 962
Mean 4846.2
SD 6058.4
CD 7573.9
Sp/s 0.2
Window 92043.2
Order 1

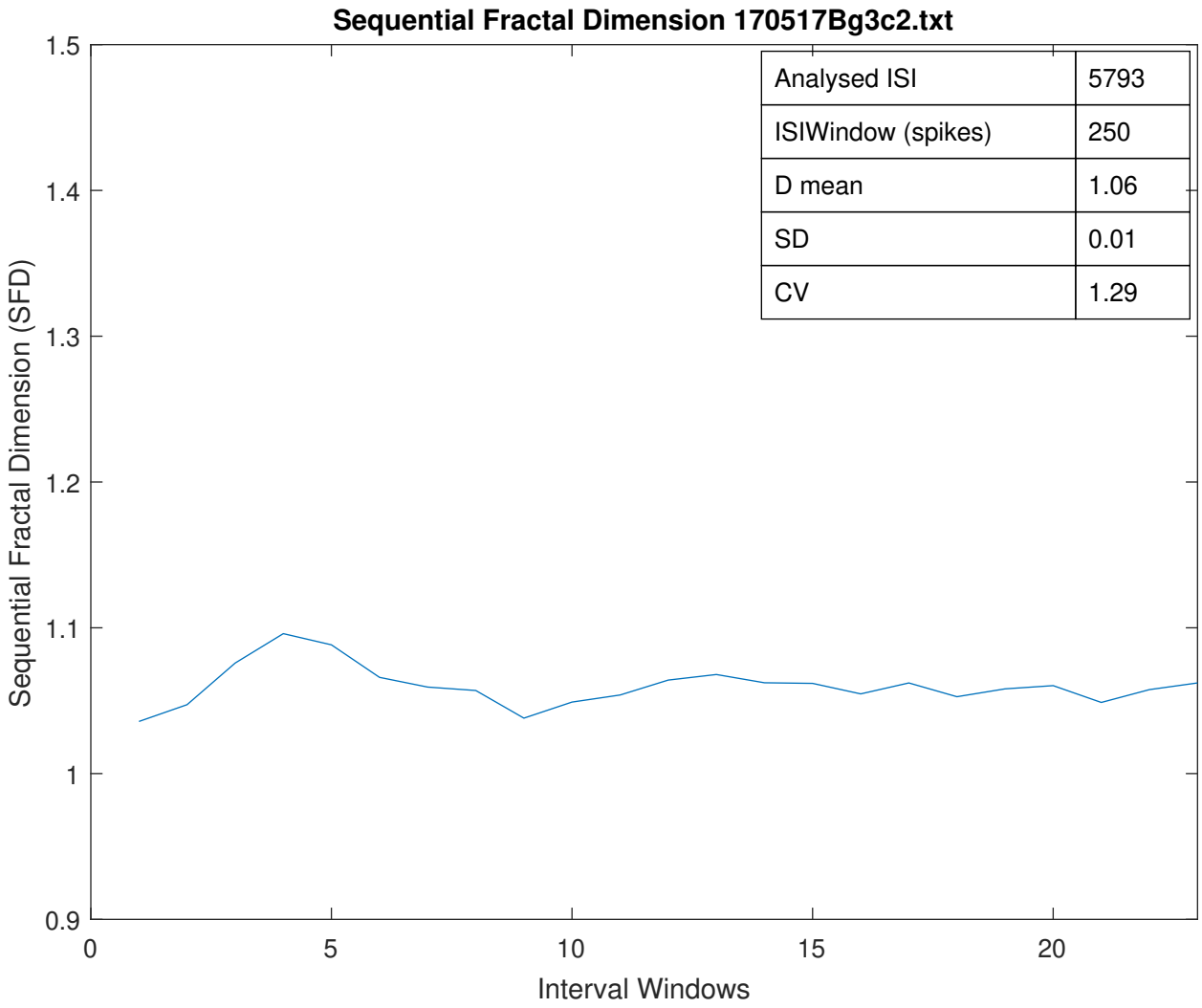

Autocorrelation 170517Bg3c2
Percentage of Intervals
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0
50
100
150
200
250
Delay Time (ms)

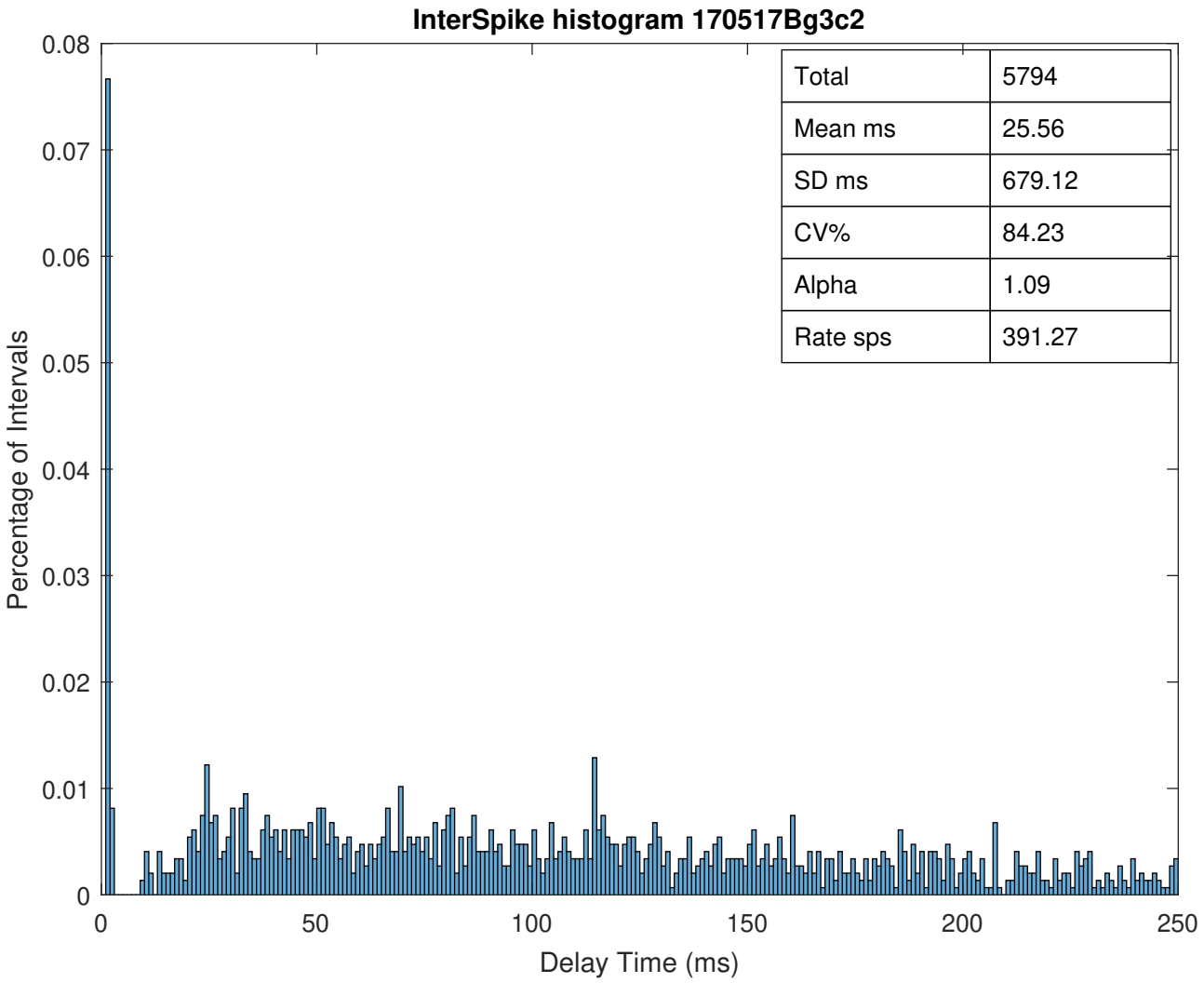
Autospectrum 170517Bg3c2

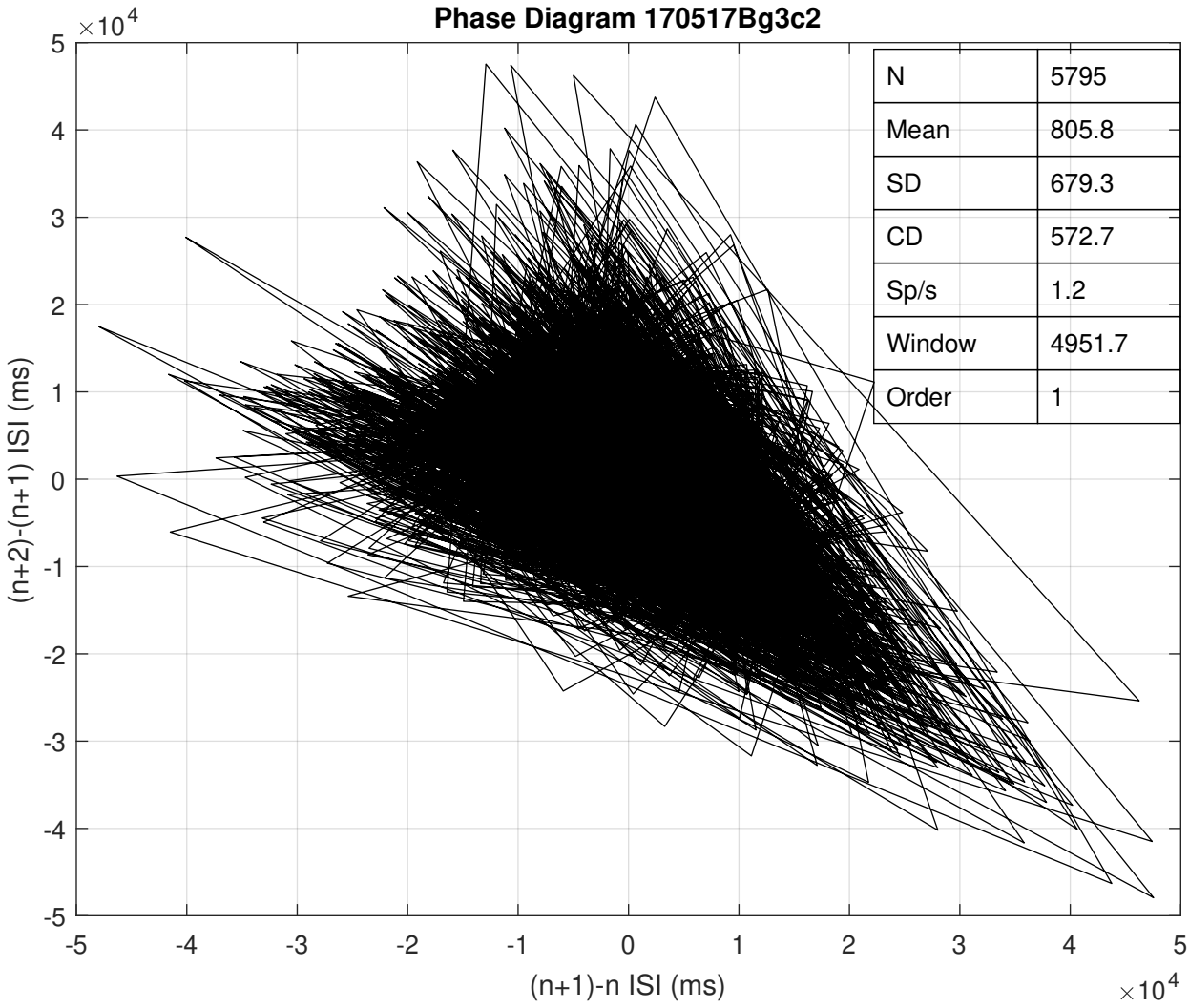
S. Density	Peak (Hz)	Fisher
9.6399	1.2	2.07
9.638	1.6	2.07
5.945	3.2	1.28
5.6433	43.6	1.21
5.5624	36.2	1.19

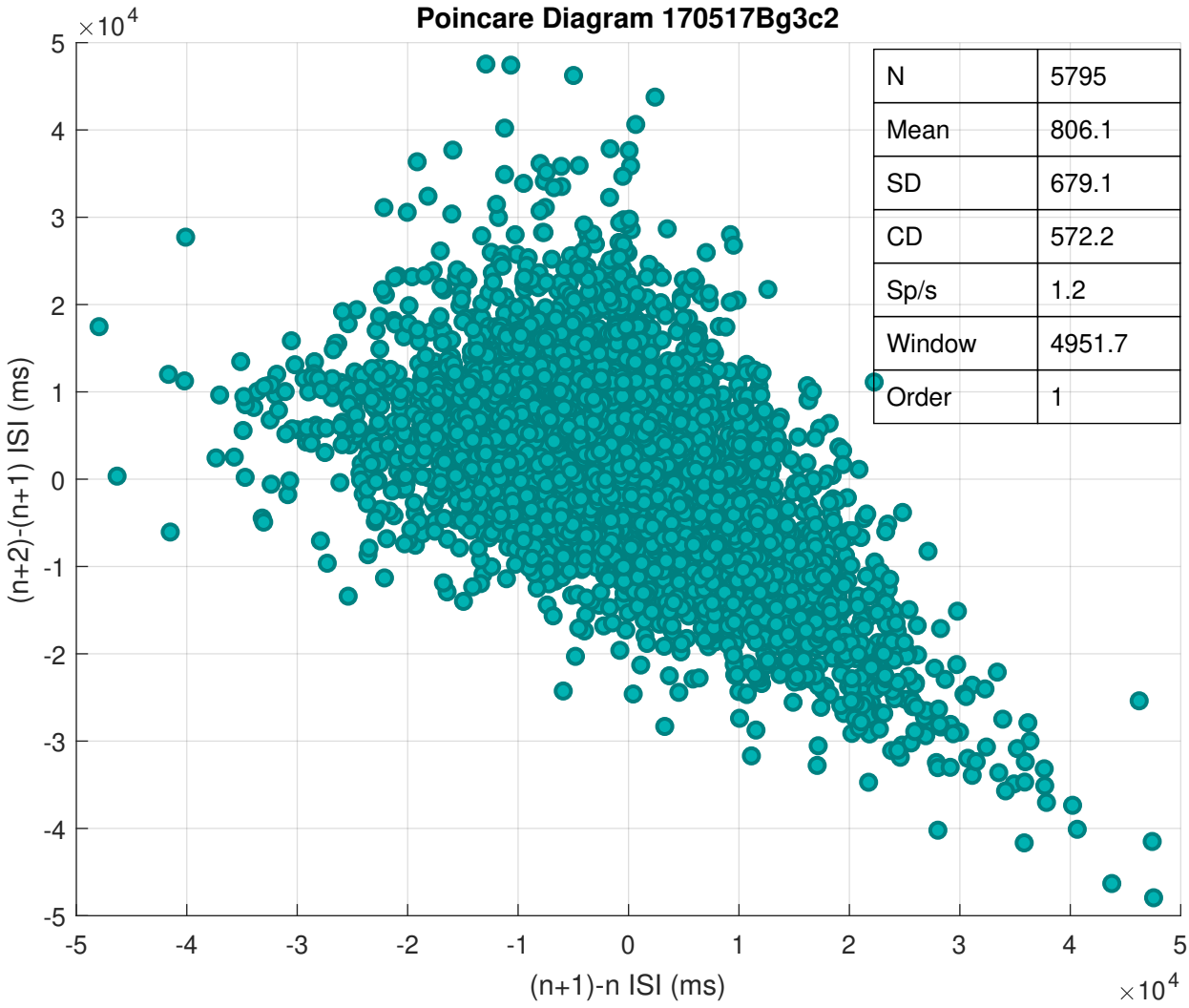


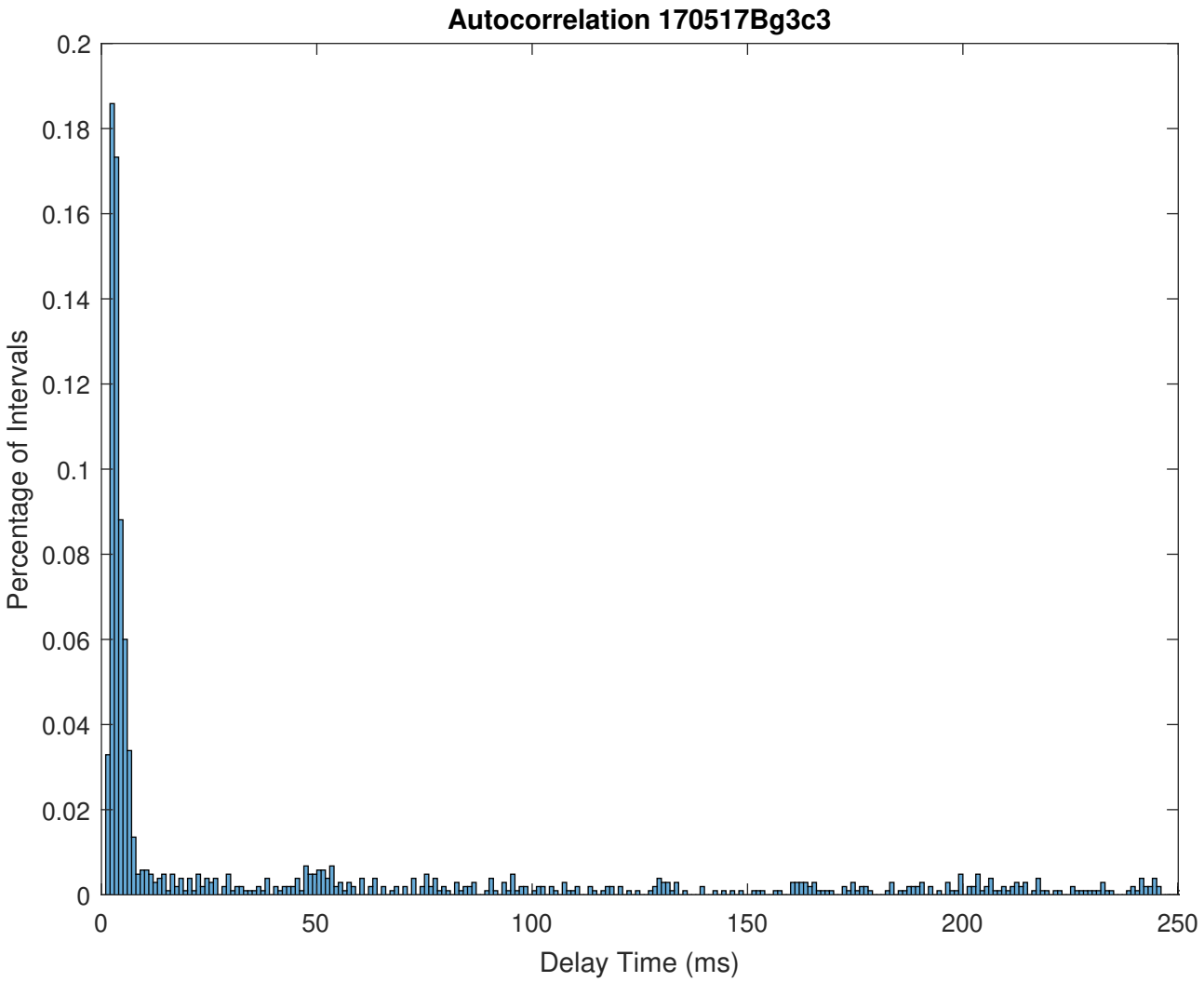
170517Bg3c2		
N Spikes	5795	
Min & MAX ISI	1-4951.7	
Mean(X)	806.12	
SD	679.15	
SE	8.92	
Gamma	1.0895	
CV	84.25	
Intervals < X	3399	
Intervals > X	2396	
Short/Long Interval Ratio	1.42	
Short Interval Intensity	9.5	
2nd Burst Time Window (ms)	10	50
Intervals < BTW	128	421
Intervals > BTW	5667	5374
Burst Duration	10	50
Burst Ratio	0.023	0.078
Burst Intensity	12.8	8.42

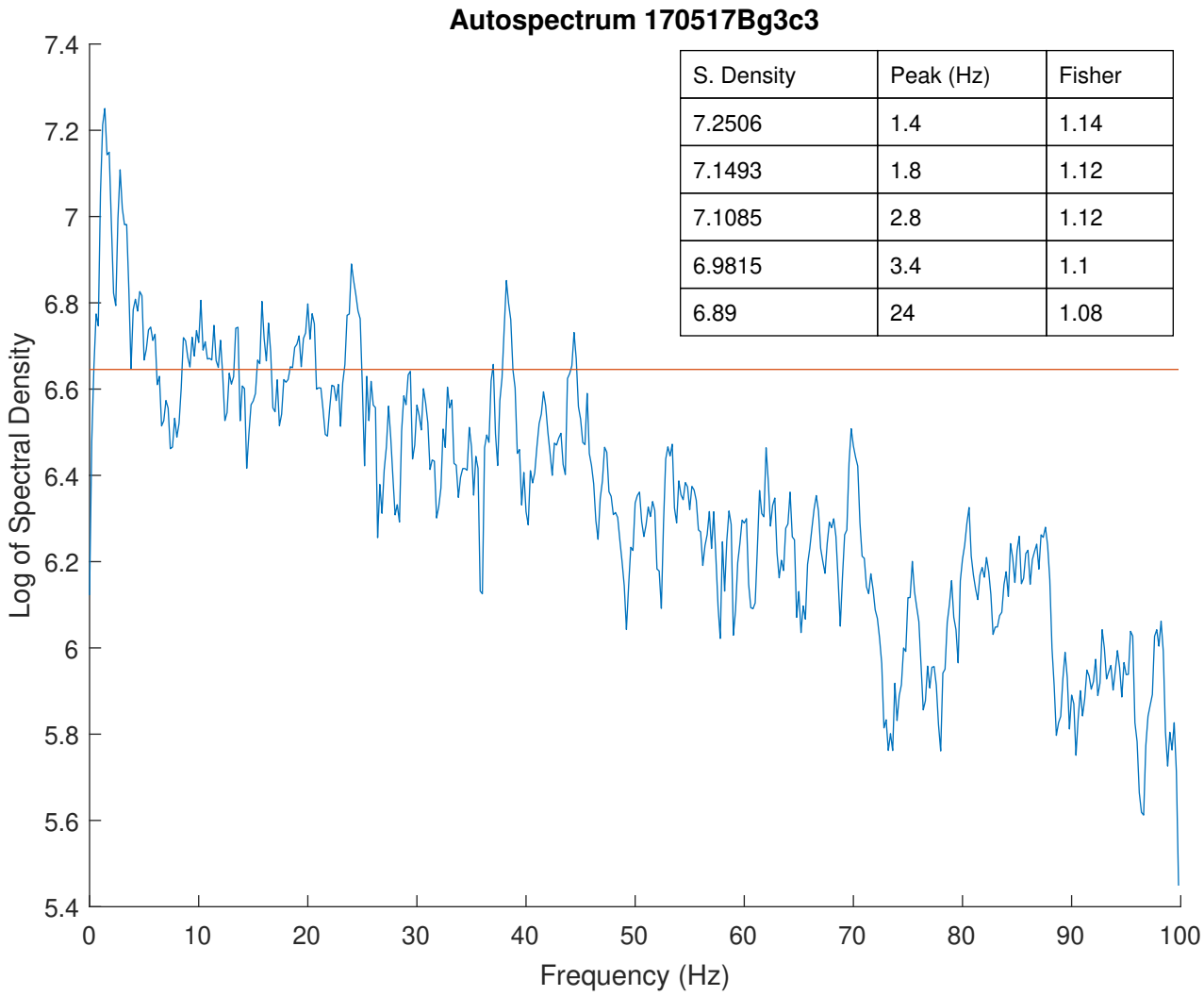

Sequential Fractal Dimension 170517Bg3c2.txt
Analysed ISI 5793
ISIWindow (spikes) 250
D mean 1.06
SD 0.01
CV 1.29
Sequential Fractal Dimension (SFD)
Interval Windows
1.5
1.4
1.3
1.2
1.1
1
0.9
0
5
10
15
20


InterSpike histogram 170517Bg3c2
Total 5794
Mean ms 25.56
SD ms 679.12
CV% 84.23
Alpha 1.09
Rate sps 391.27
Percentage of Intervals
Delay Time (ms)
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
50
100
150
200
250

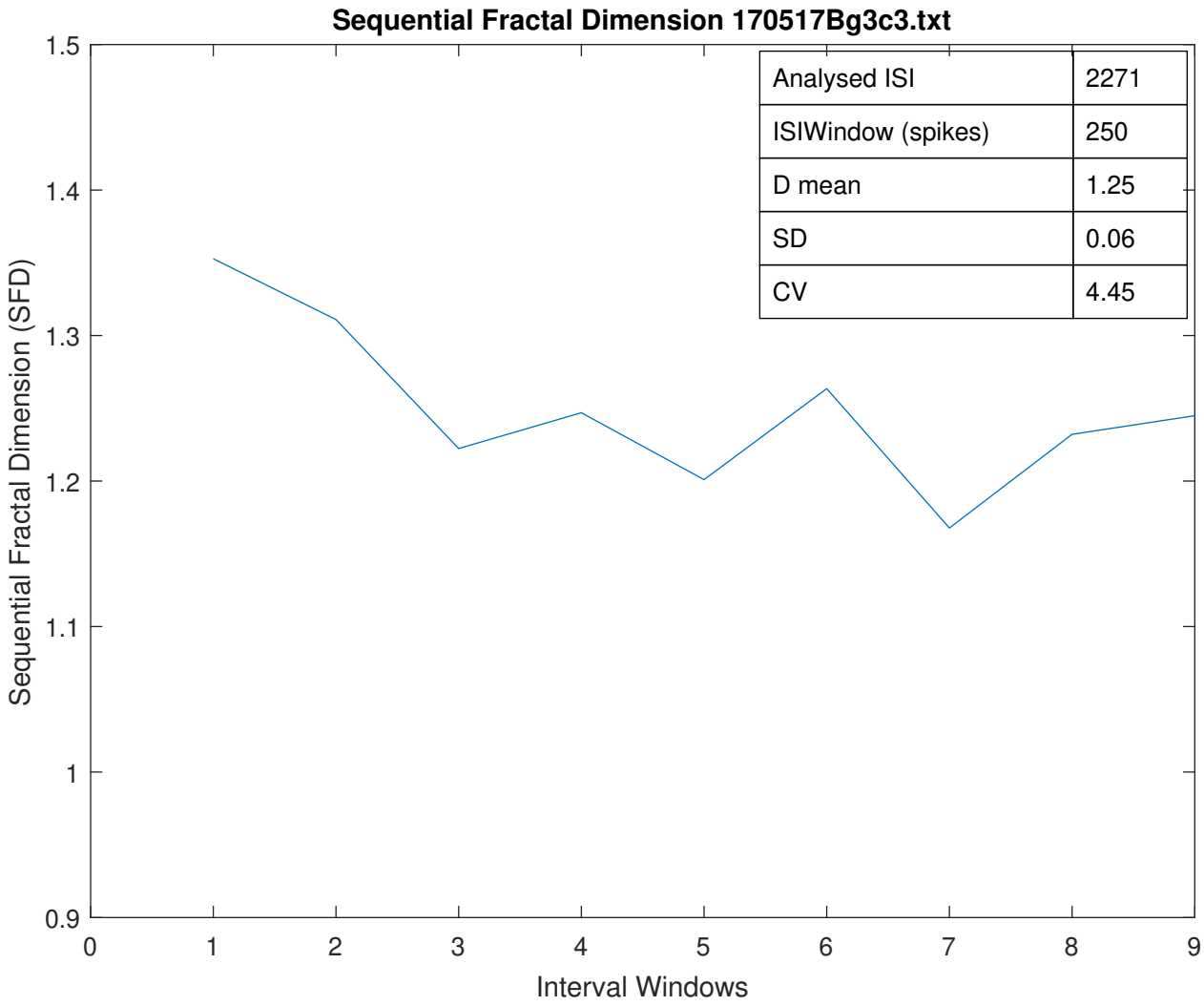

Phase Diagram 170517Bg3c2
×10^4
5
4
3
2
1
0
-1
-2
-3
-4
-5
(n+2)-(n+1) ISI (ms)
-5
-4
-3
-2
-1
0
1
2
3
4
5
(n+1)-n ISI (ms)
×10^4
N 5795
Mean 805.8
SD 679.3
CD 572.7
Sp/s 1.2
Window 4951.7
Order 1

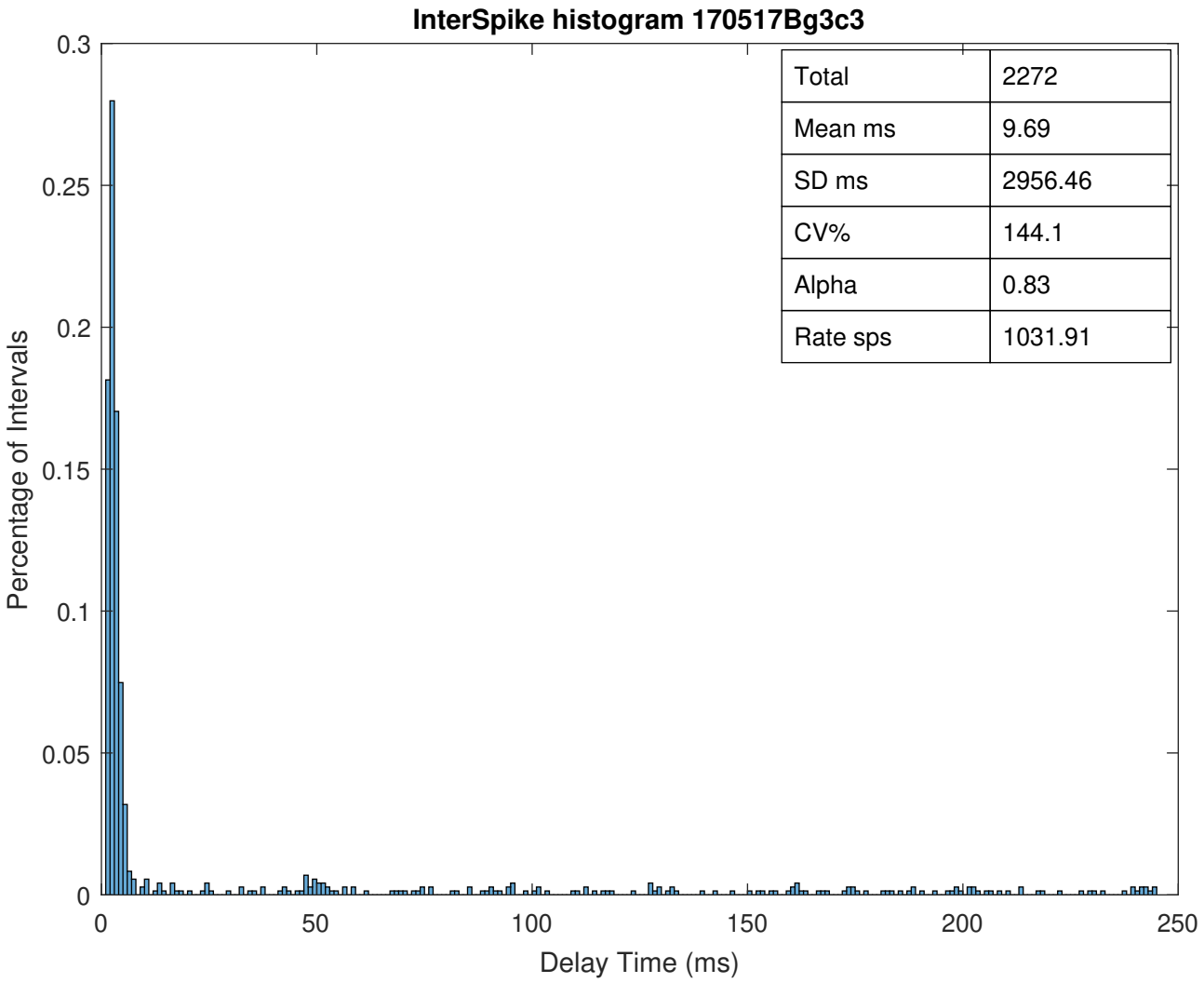

Poincare Diagram 170517Bg3c2
×10^4
5
4
3
2
1
0
-1
-2
-3
-4
-5
(n+2)-(n+1) ISI (ms)
-5
-4
-3
-2
-1
0
1
2
3
4
5
(n+1)-n ISI (ms)
×10^4
N 5795
Mean 806.1
SD 679.1
CD 572.2
Sp/s 1.2
Window 4951.7
Order 1

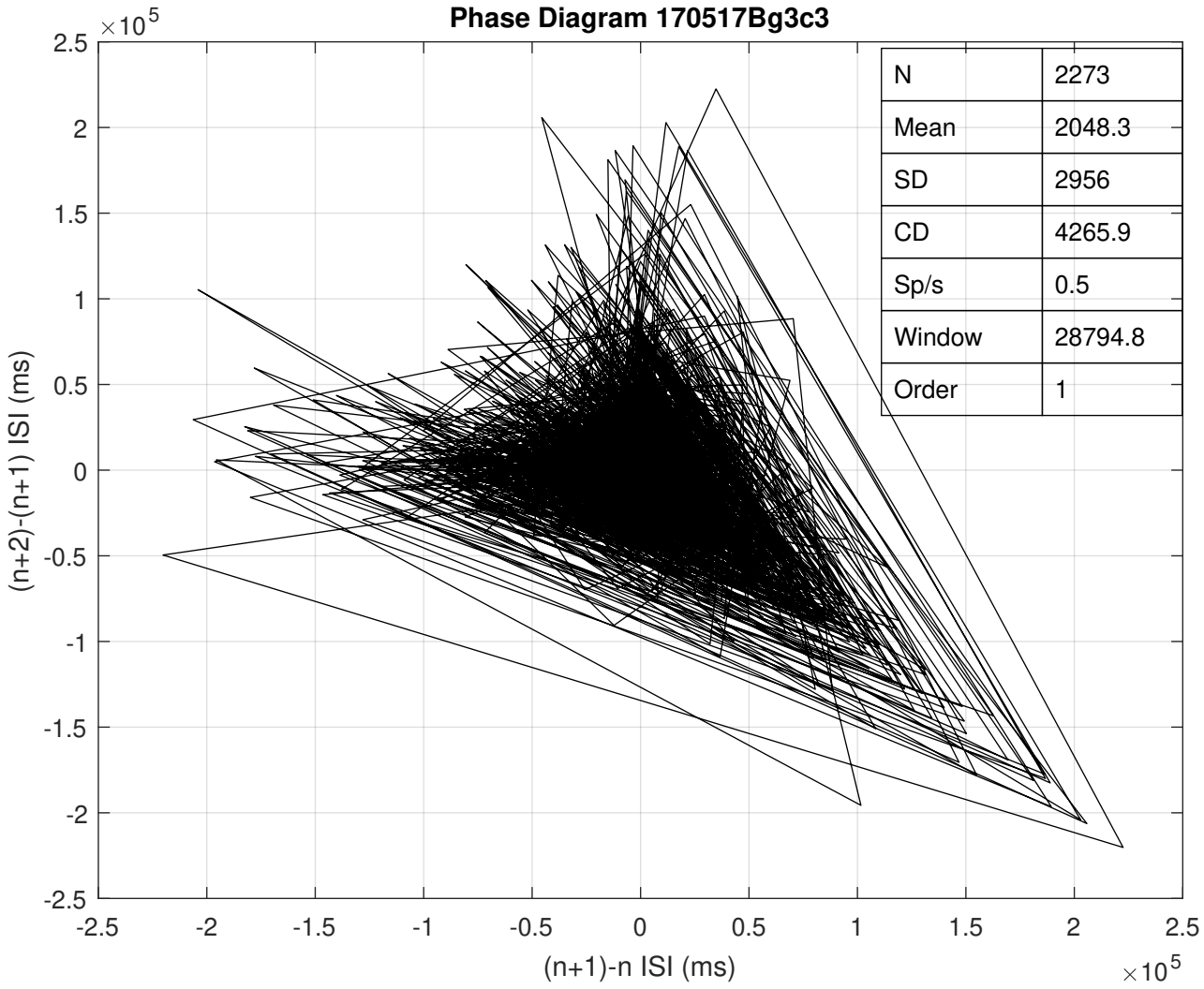

Autocorrelation 170517Bg3c3
Percentage of Intervals
Delay Time (ms)
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
0.16
0.18
0.2
0
50
100
150
200
250

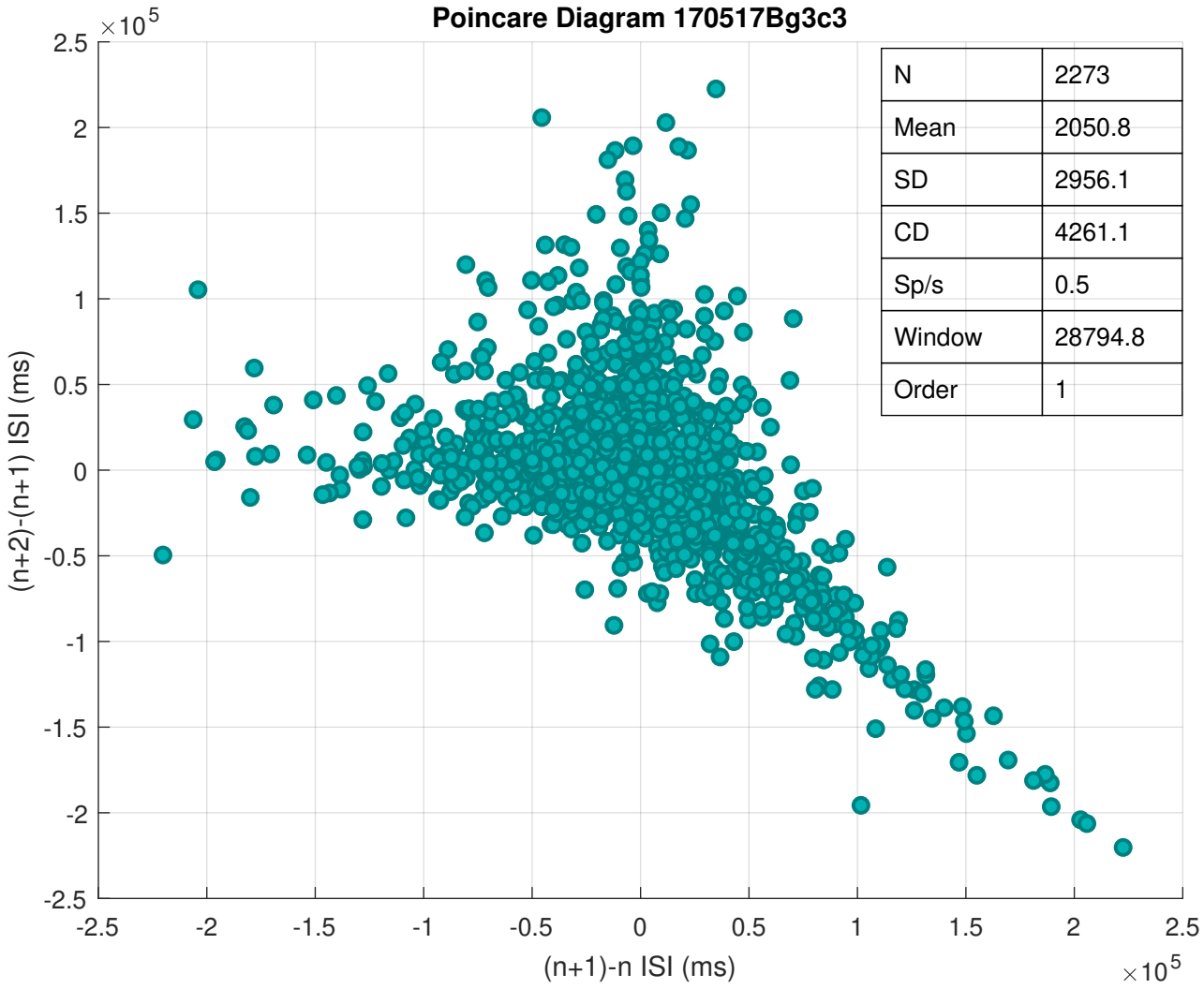

Autospectrum 170517Bg3c3
S. Density | Peak (Hz) | Fisher
7.2506 | 1.4 | 1.14
7.1493 | 1.8 | 1.12
7.1085 | 2.8 | 1.12
6.9815 | 3.4 | 1.1
6.89 | 24 | 1.08
Log of Spectral Density
Frequency (Hz)
7.4
7.2
7
6.8
6.6
6.4
6.2
6
5.8
5.6
5.4
0
10
20
30
40
50
60
70
80
90
100

170517Bg3c3		
N Spikes	2273	
Min & MAX ISI	1-28794.8	
Mean(X)	2050.8	
SD	2956.12	
SE	62	
Gamma	0.83291	
CV	144.14	
Intervals < X	1533	
Intervals > X	740	
Short/Long Interval Ratio	2.07	
Short Interval Intensity	2.81	
2nd Burst Time Window (ms)	10	50
Intervals < BTW	546	590
Intervals > BTW	1727	1683
Burst Duration	10	50
Burst Ratio	0.316	0.351
Burst Intensity	54.6	11.8


Sequential Fractal Dimension 170517Bg3c3.txt
Analysed ISI 2271
ISIWindow (spikes) 250
D mean 1.25
SD 0.06
CV 4.45
Sequential Fractal Dimension (SFD)
Interval Windows
1.5
1.4
1.3
1.2
1.1
1
0.9
0
1
2
3
4
5
6
7
8
9


InterSpike histogram 170517Bg3c3
Total 2272
Mean ms 9.69
SD ms 2956.46
CV% 144.1
Alpha 0.83
Rate sps 1031.91
Percentage of Intervals
Delay Time (ms)
0
0.05
0.1
0.15
0.2
0.25
0.3
0
50
100
150
200
250


Phase Diagram 170517Bg3c3
×10^5
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
(n+2)-(n+1) ISI (ms)
-2.5
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2
2.5
(n+1)-n ISI (ms)
×10^5
N 2273
Mean 2048.3
SD 2956
CD 4265.9
Sp/s 0.5
Window 28794.8
Order 1


Poincare Diagram 170517Bg3c3
×10^5
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
(n+2)-(n+1) ISI (ms)
-2.5
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2
2.5
(n+1)-n ISI (ms)
×10^5
N 2273
Mean 2050.8
SD 2956.1
CD 4261.1
Sp/s 0.5
Window 28794.8
Order 1