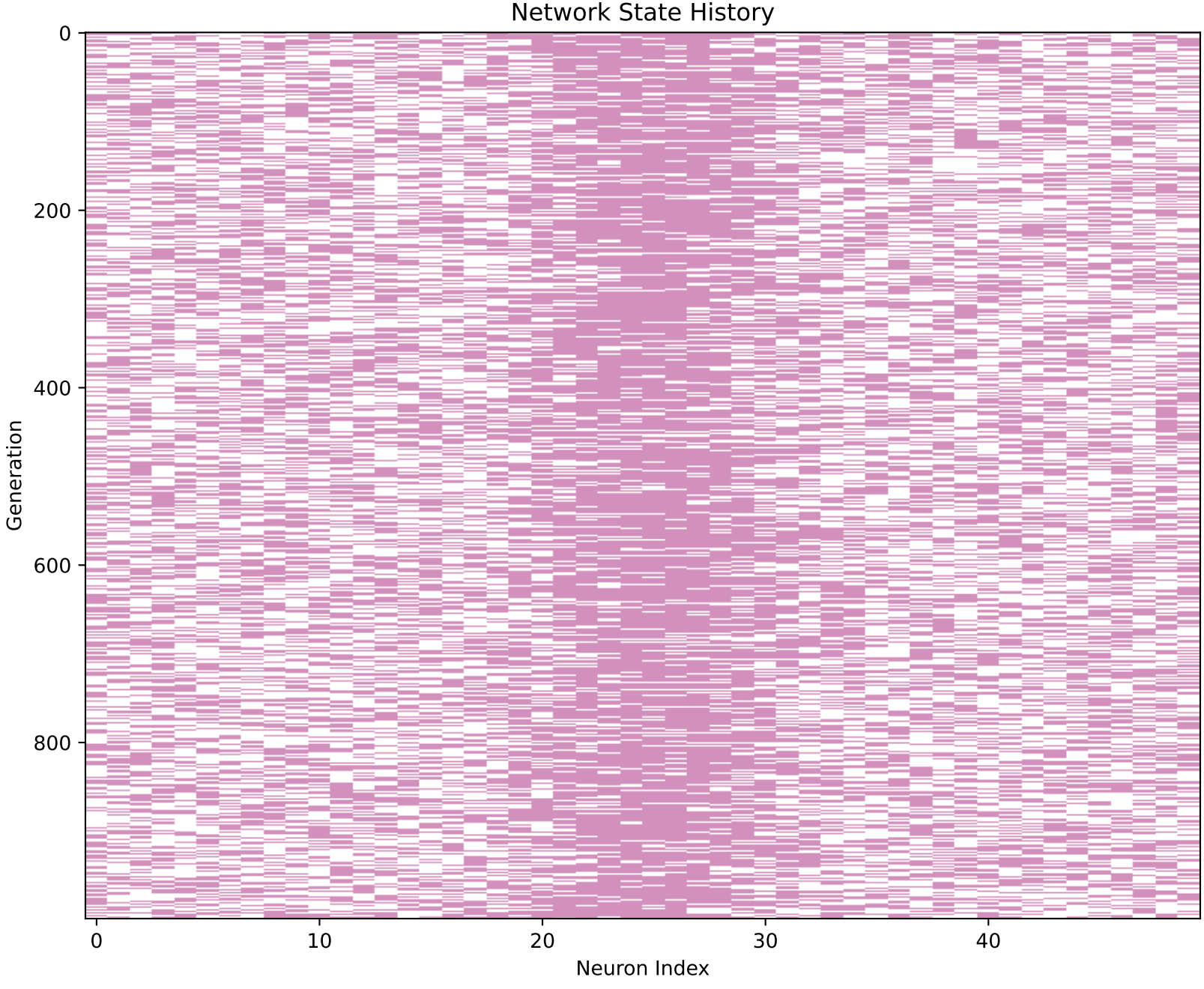
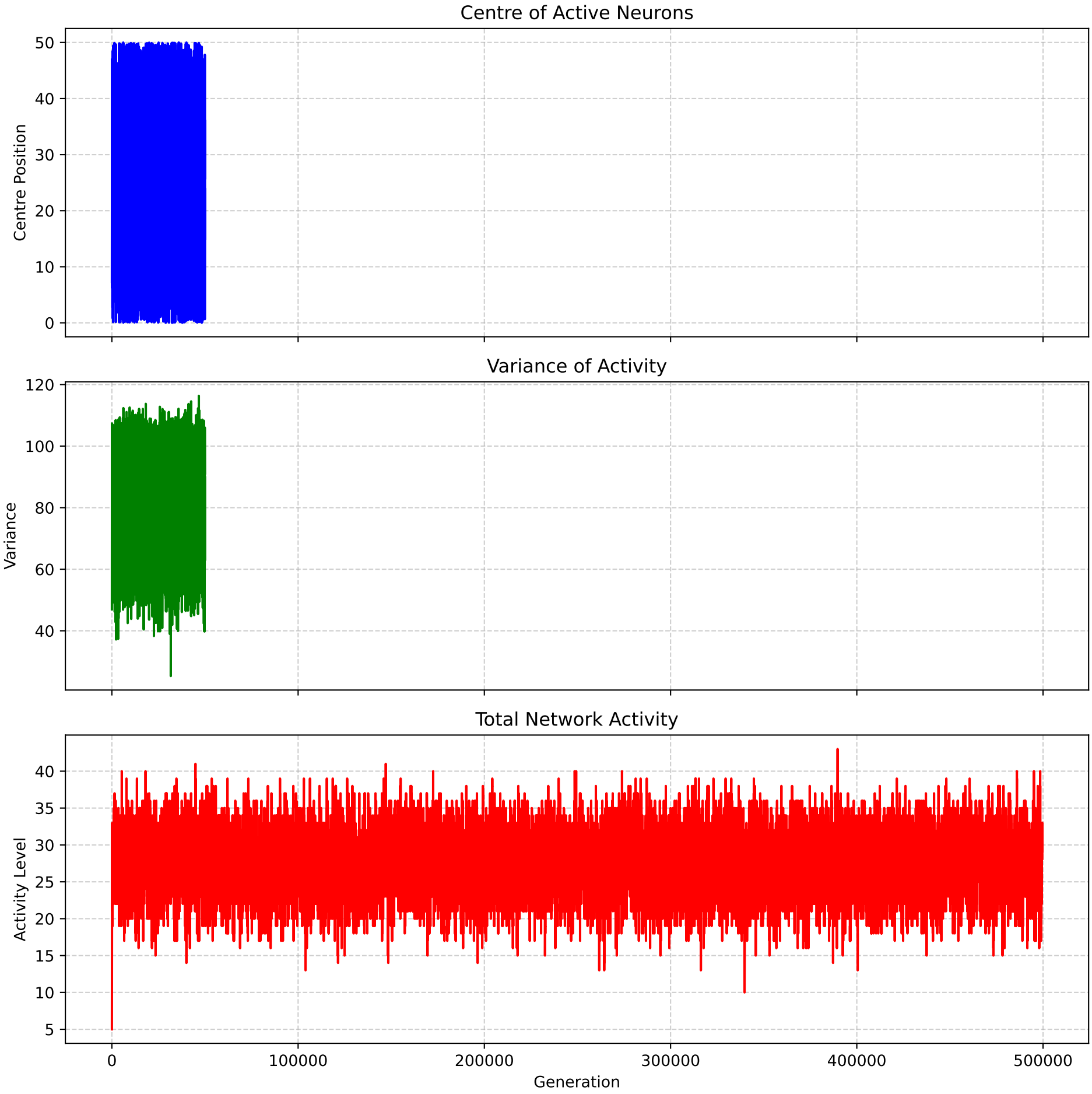
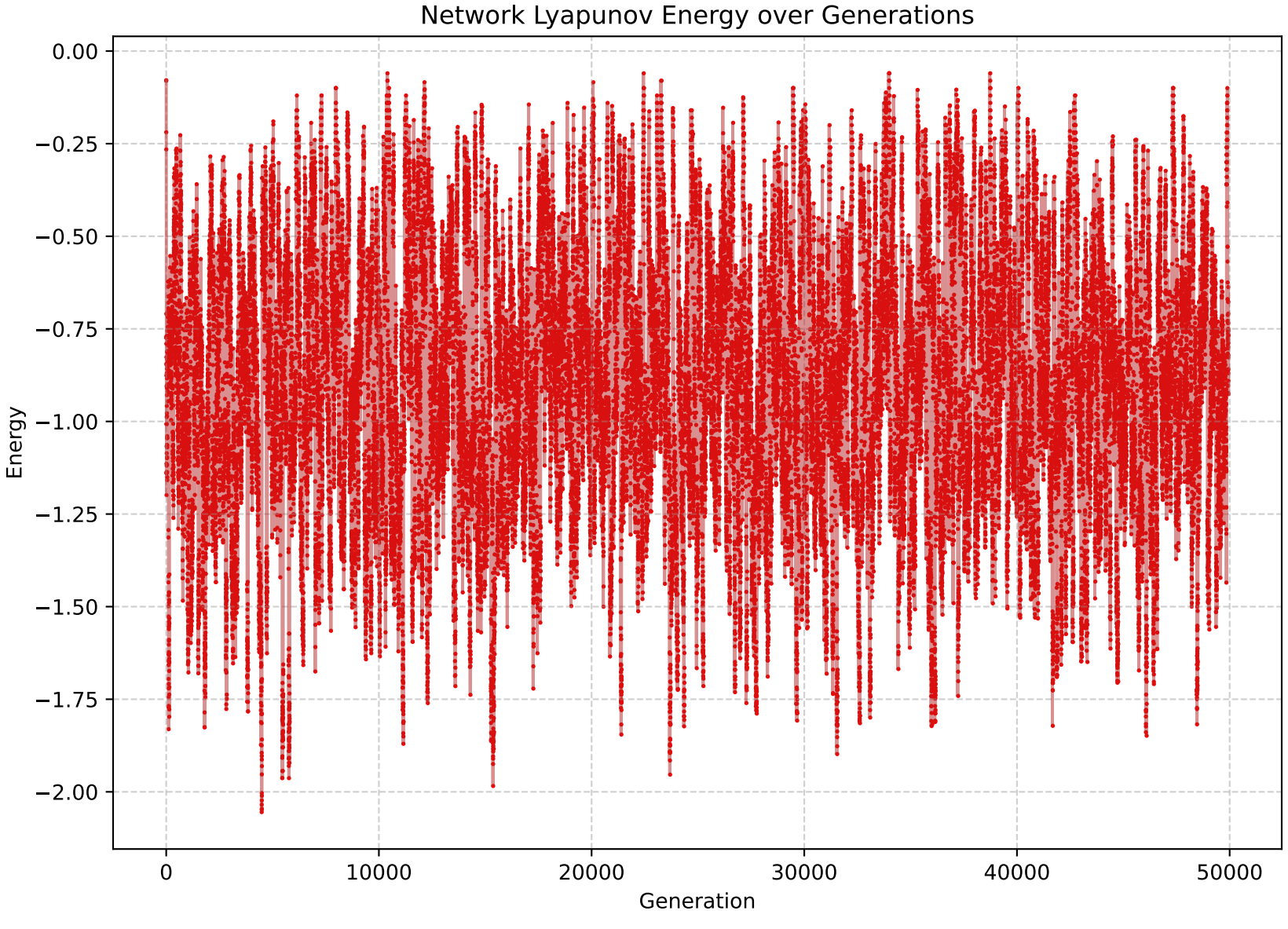
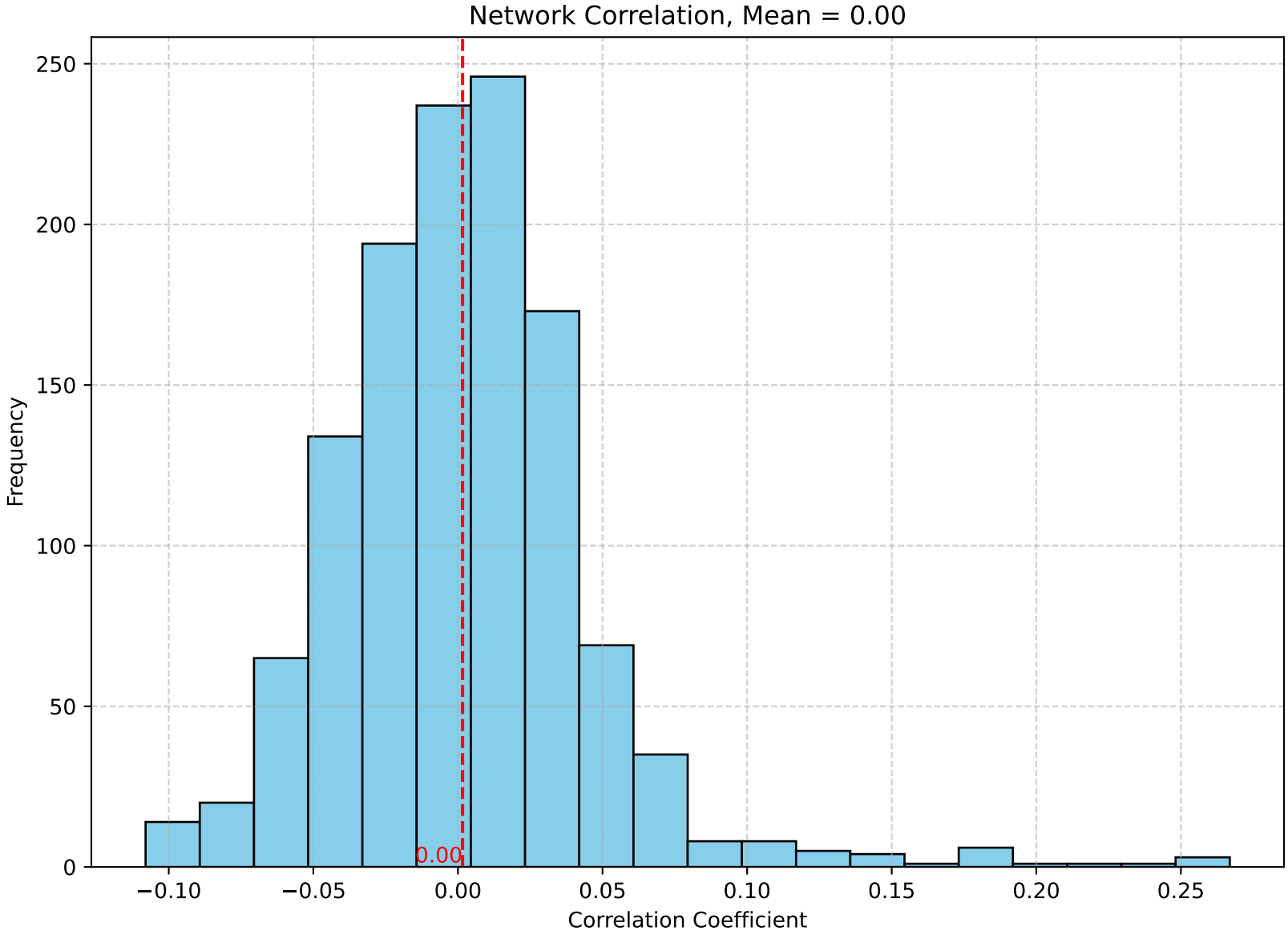

Network State History
Generation
0
200
400
600
800
0
10
20
30
40
Neuron Index

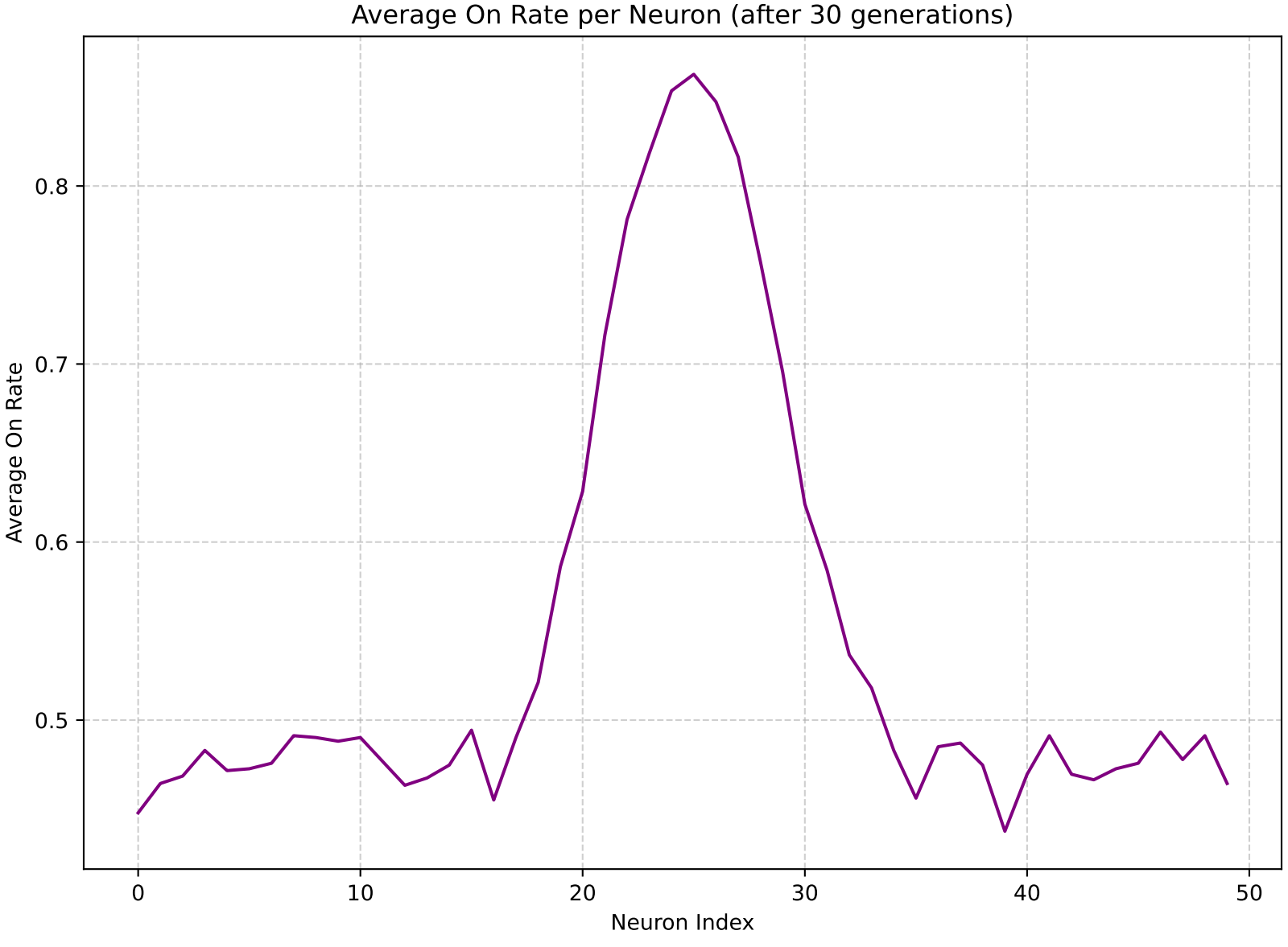

Centre of Active Neurons
Centre Position
0
10
20
30
40
50
Variance of Activity
Variance
40
60
80
100
120
Total Network Activity
Activity Level
5
10
15
20
25
30
35
40
0
100000
200000
300000
400000
500000
Generation

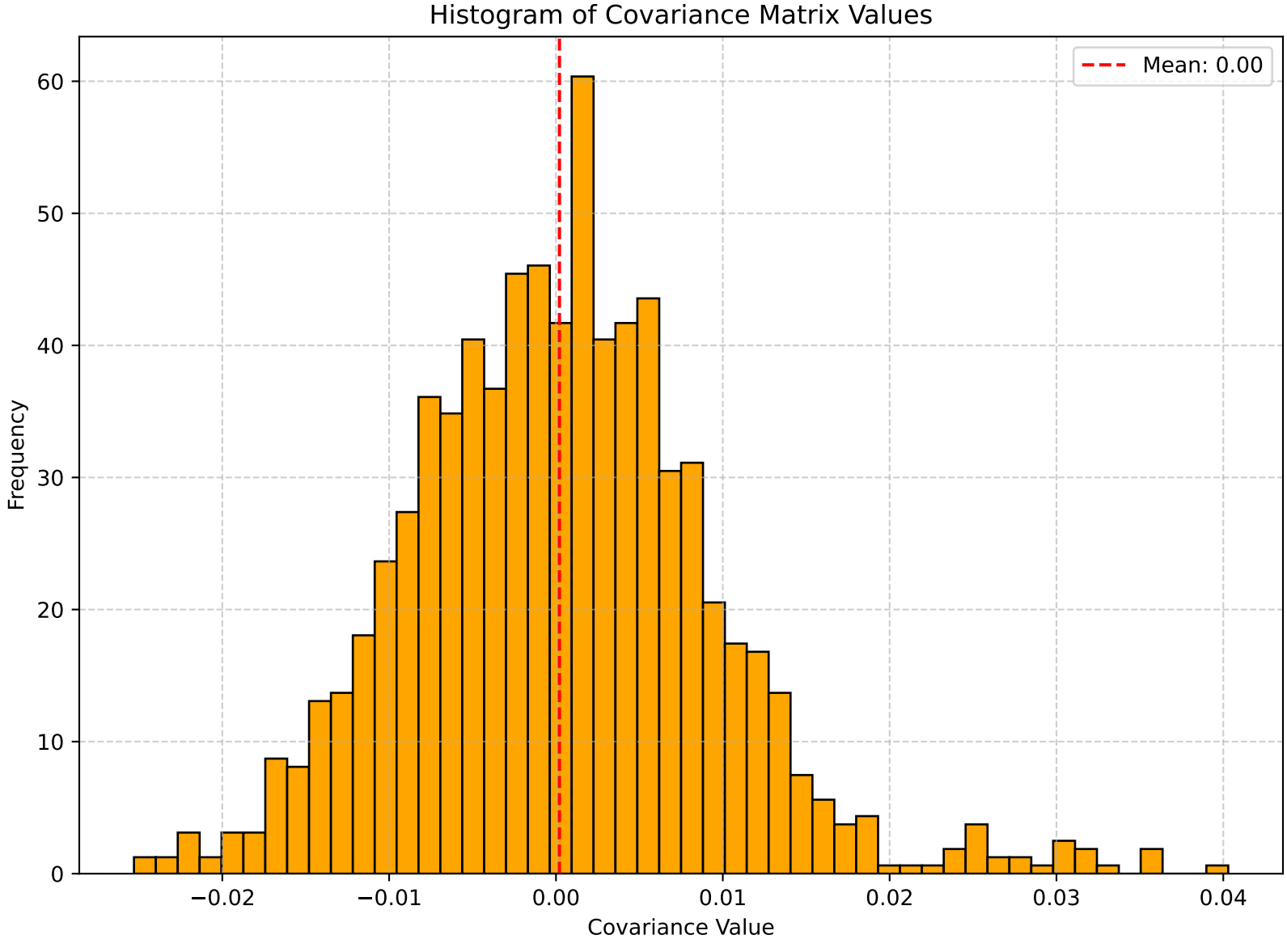

Network Lyapunov Energy over Generations
Energy
Generation
0.00
−0.25
−0.50
−0.75
−1.00
−1.25
−1.50
−1.75
−2.00
0
10000
20000
30000
40000
50000


Network Correlation, Mean = 0.00
Frequency
Correlation Coefficient
0.00
250
200
150
100
50
0
−0.10
−0.05
0.00
0.05
0.10
0.15
0.20
0.25

Network Parameters:

Number of Neurons: 50
Noise: 0.0
Field Width: 0.05
Synaptic Failure: 0.0
Spontaneous Release: 0.0
Constriction: 1.0
Fraction Active: 0.1


Average On Rate per Neuron (after 30 generations)
Average On Rate
0.8
0.7
0.6
0.5
0
10
20
30
40
50
Neuron Index


Histogram of Covariance Matrix Values
Mean: 0.00
Frequency
Covariance Value
0
10
20
30
40
50
60
−0.02
−0.01
0.00
0.01
0.02
0.03
0.04