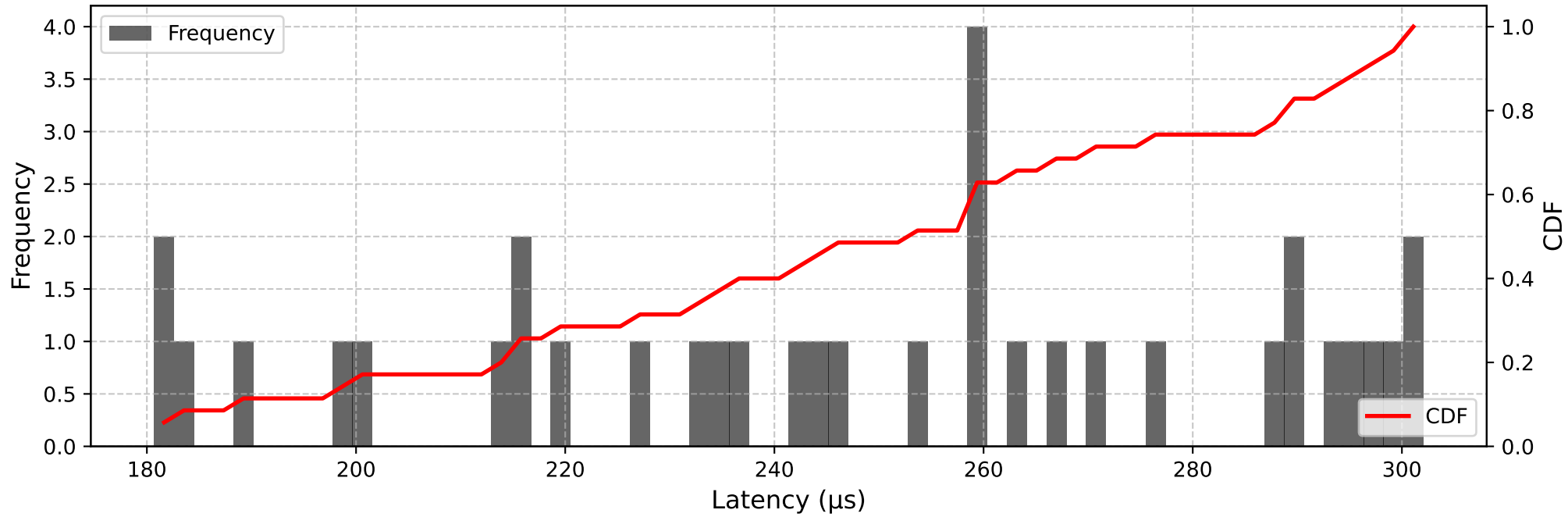
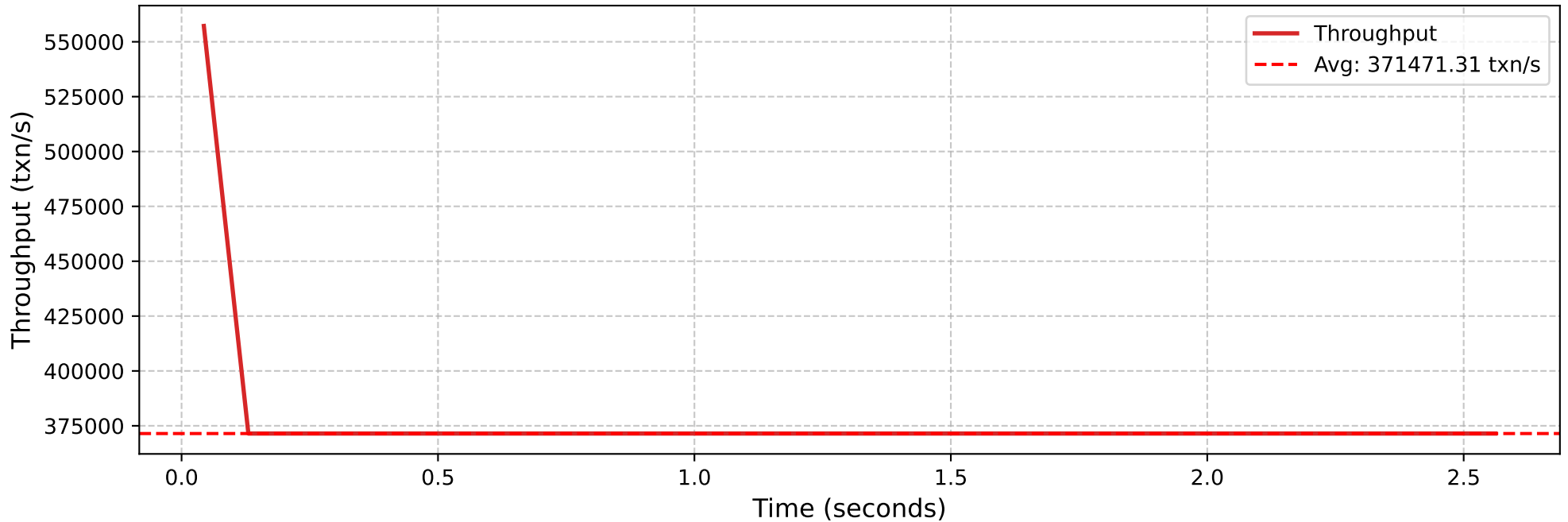


# Performance Overview

## End-to-End Latency Distribution

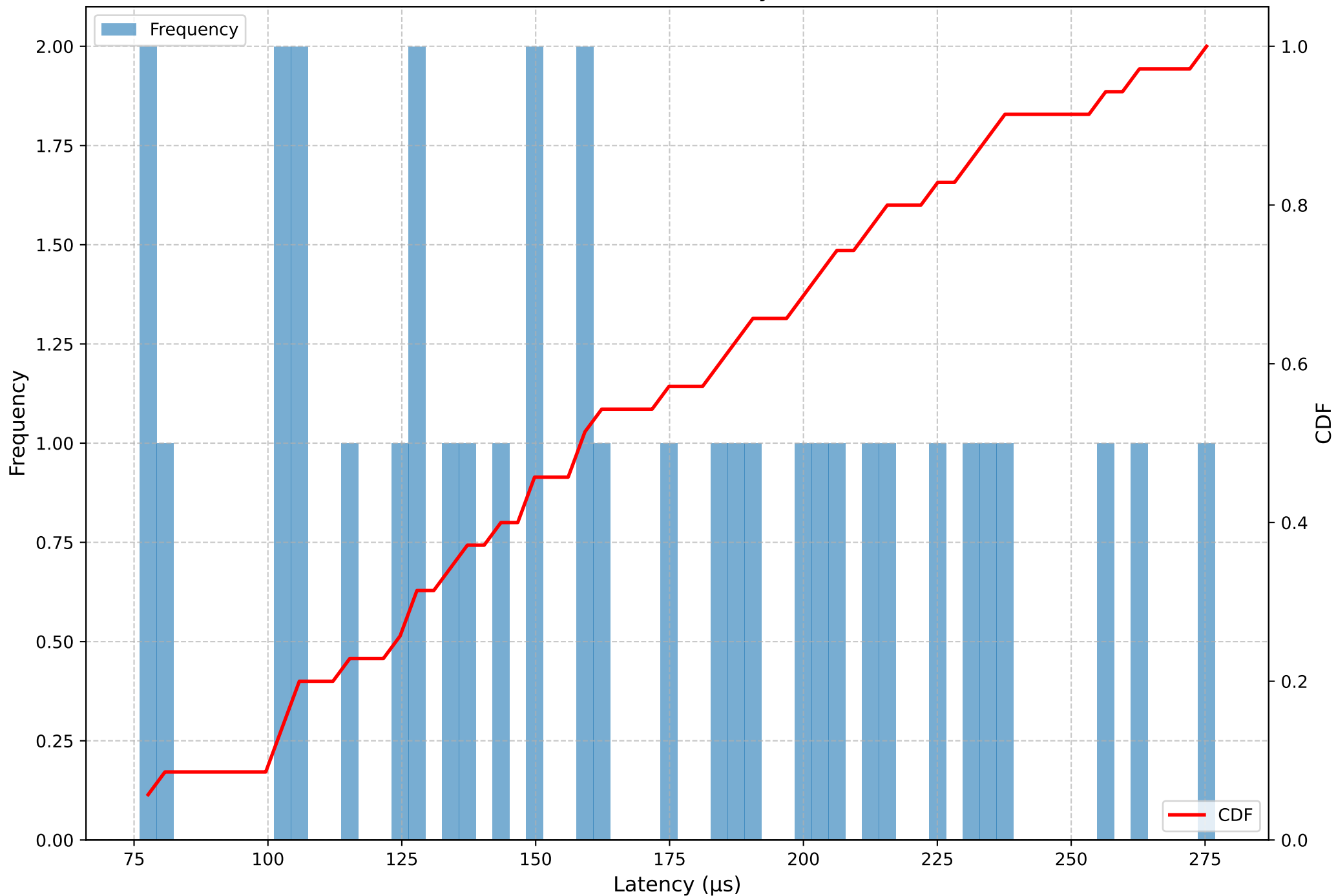


## End-to-End Throughput Over Time



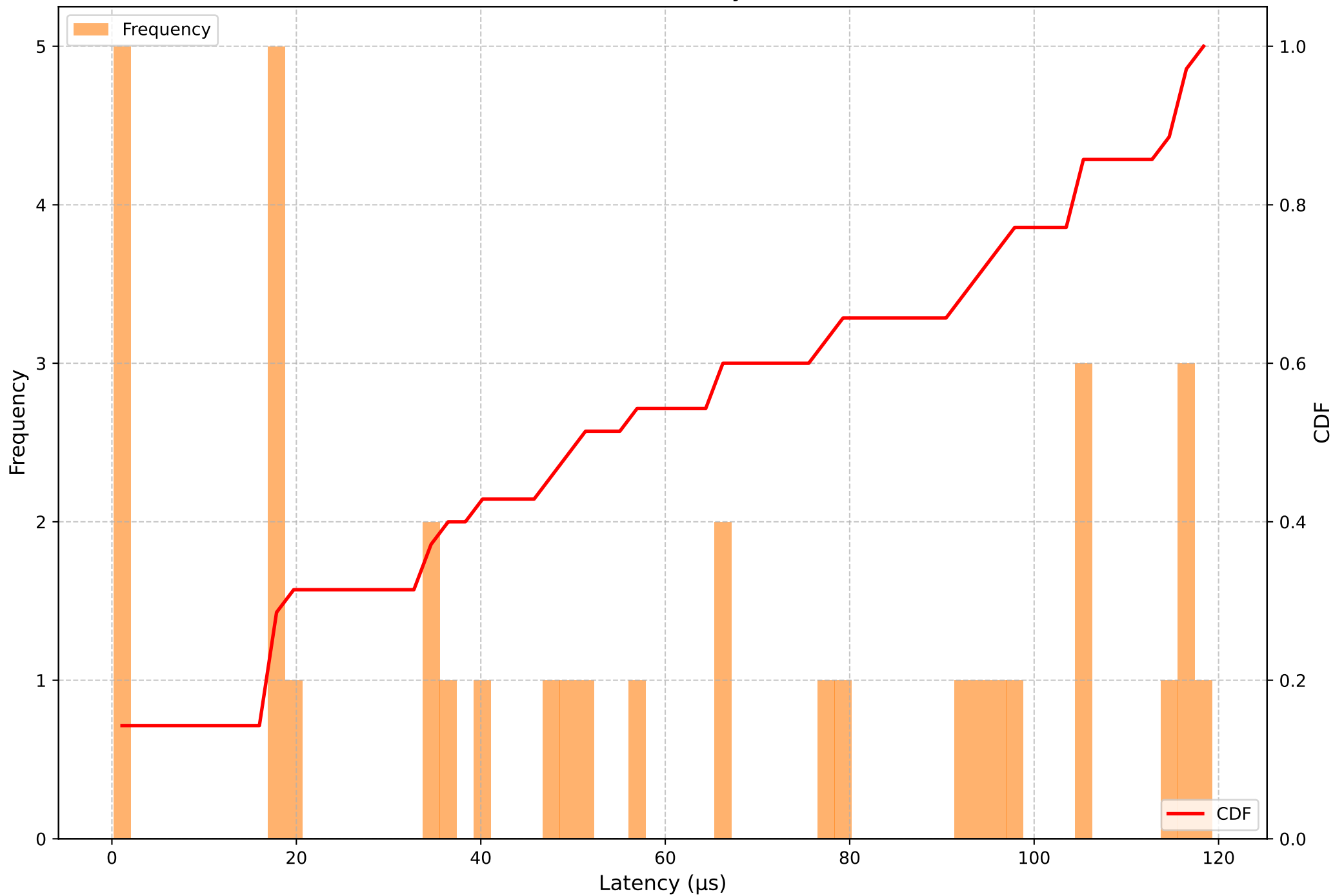
# Submit to Schedule Performance

## Submit to Schedule Latency Distribution



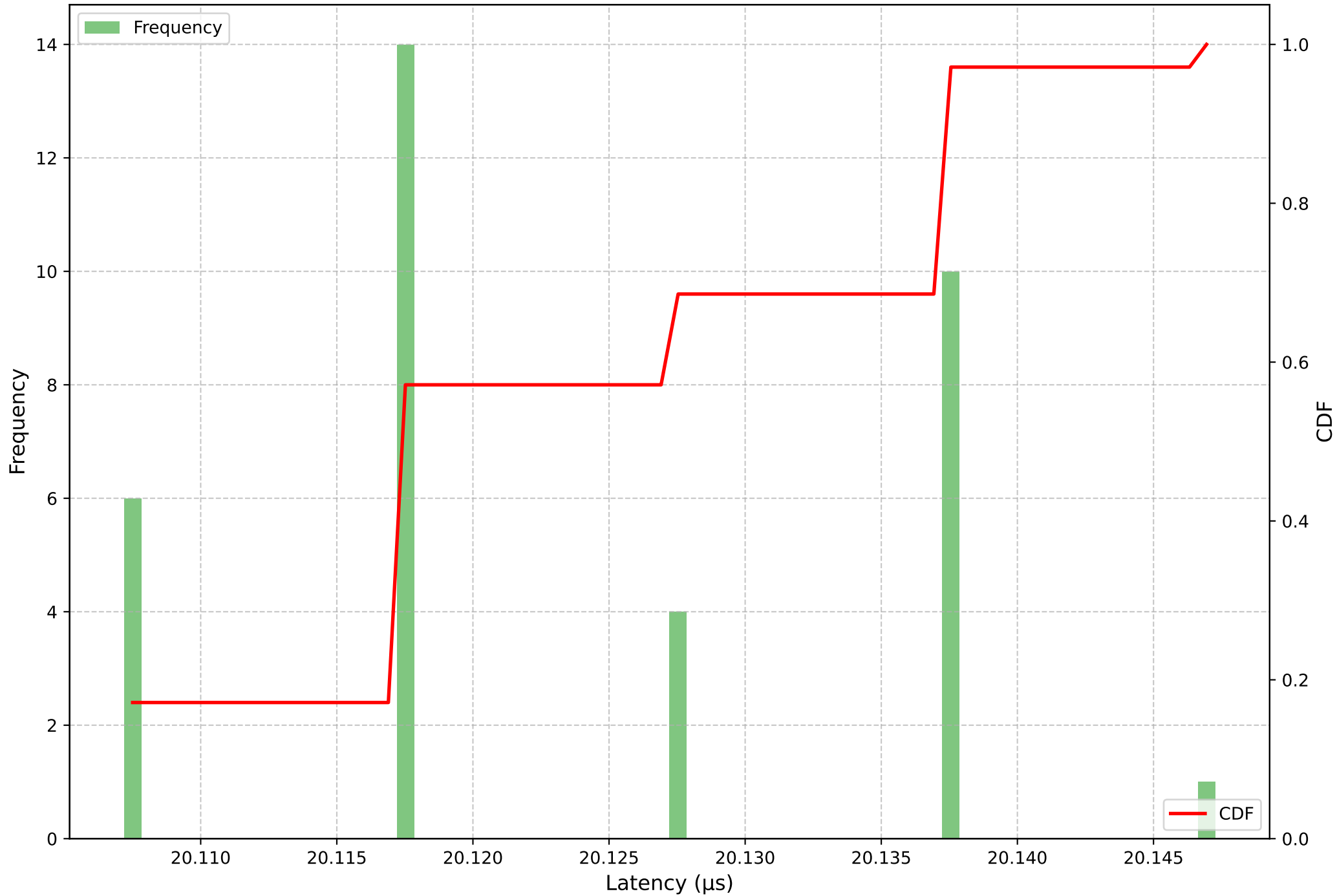
# Schedule to Work Performance

## Schedule to Work Latency Distribution



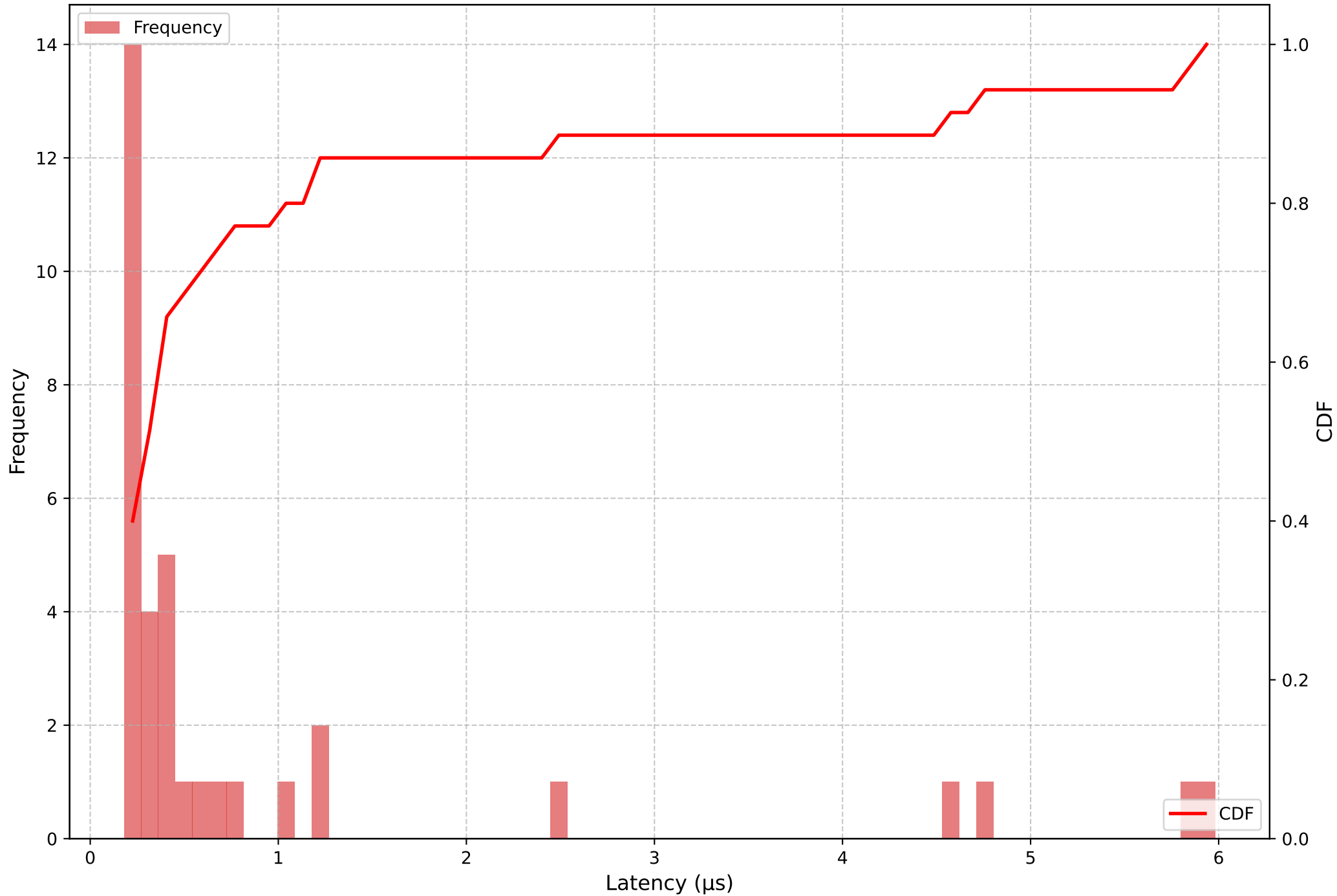
# Work to Done Performance

## Work to Done Latency Distribution



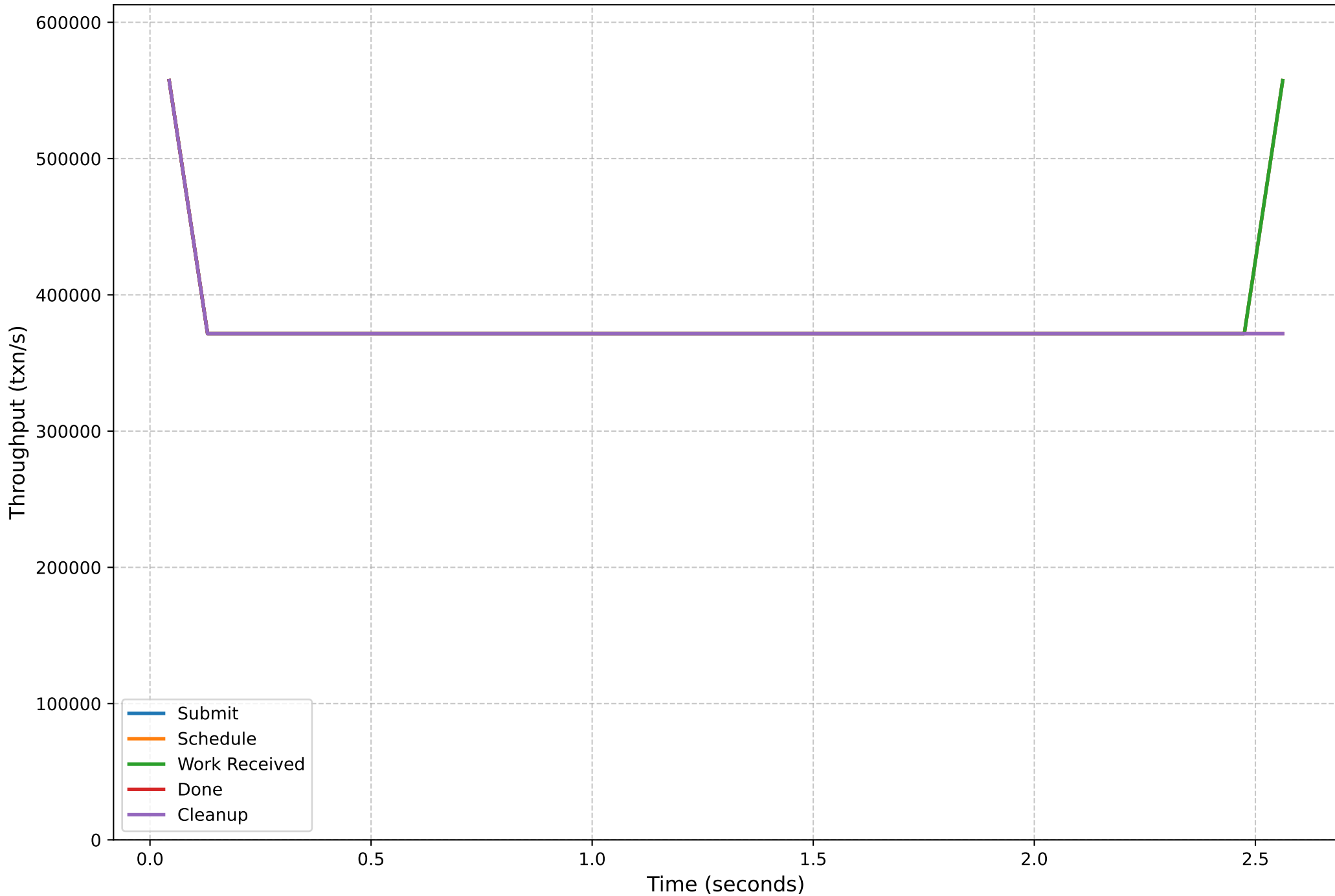
# Done to Cleanup Performance

## Done to Cleanup Latency Distribution



# Throughput Analysis

Throughput by Stage



# Performance Summary Statistics

Total Transactions: 1000000

Complete Transactions: 62

Filtered Transactions (after outlier removal): 35

Number of Puppets: 8

Average Throughput: 371,471.31 txn/s

Latency Statistics:

End-to-End:

Min: 181.65  $\mu$ s

Mean: 248.22  $\mu$ s

Median: 253.69  $\mu$ s

95th Percentile: 301.09  $\mu$ s

99th Percentile: 301.09  $\mu$ s

Max: 301.09  $\mu$ s

Std Dev: 37.30  $\mu$ s

Variability: 15.0%

Submit to Schedule:

Min: 77.63  $\mu$ s

Mean: 166.91  $\mu$ s

Median: 159.20  $\mu$ s

95th Percentile: 262.72  $\mu$ s

99th Percentile: 275.27  $\mu$ s

Max: 275.27  $\mu$ s

Std Dev: 54.93  $\mu$ s

Variability: 32.9%

Schedule to Work:

# Performance Summary Statistics

Min: 1.10  $\mu\text{s}$   
Mean: 58.11  $\mu\text{s}$   
Median: 51.36  $\mu\text{s}$   
95th Percentile: 116.51  $\mu\text{s}$   
99th Percentile: 118.37  $\mu\text{s}$   
Max: 118.37  $\mu\text{s}$   
Std Dev: 40.76  $\mu\text{s}$   
Variability: 70.1%

## Work to Done:

Min: 20.11  $\mu\text{s}$   
Mean: 20.12  $\mu\text{s}$   
Median: 20.12  $\mu\text{s}$   
95th Percentile: 20.14  $\mu\text{s}$   
99th Percentile: 20.15  $\mu\text{s}$   
Max: 20.15  $\mu\text{s}$   
Std Dev: 0.01  $\mu\text{s}$   
Variability: 0.1%

## Done to Cleanup:

Min: 0.23  $\mu\text{s}$   
Mean: 1.03  $\mu\text{s}$   
Median: 0.32  $\mu\text{s}$   
95th Percentile: 5.85  $\mu\text{s}$   
99th Percentile: 5.94  $\mu\text{s}$   
Max: 5.94  $\mu\text{s}$   
Std Dev: 1.60  $\mu\text{s}$   
Variability: 155.2%