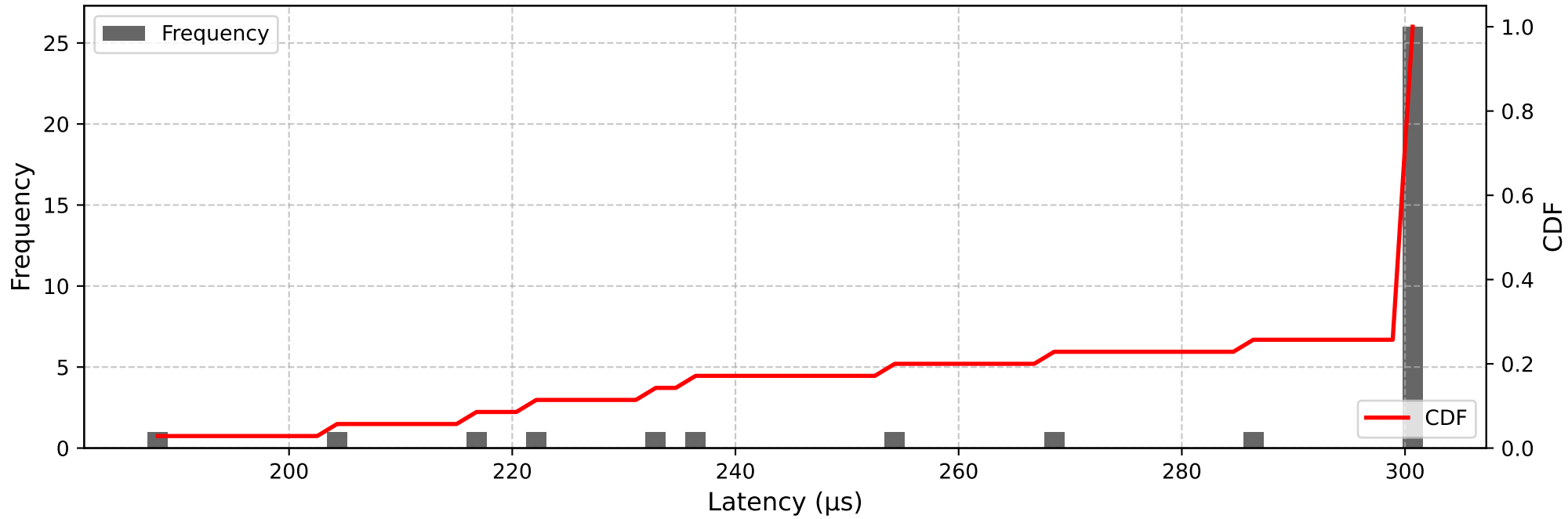
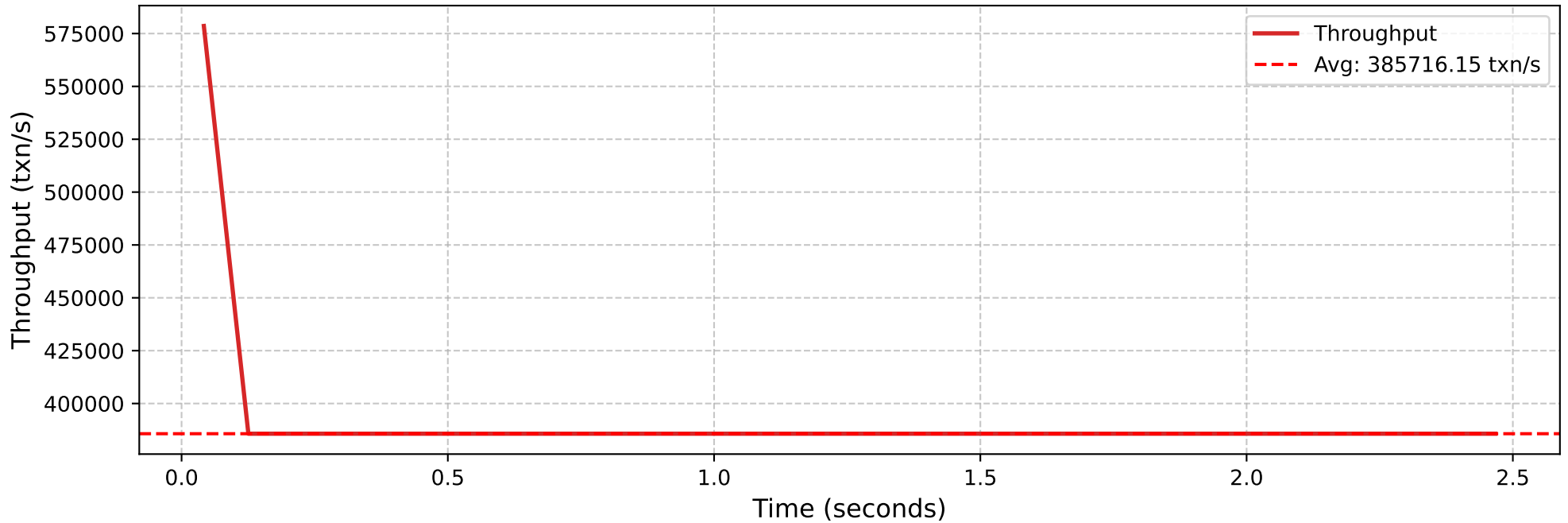


# Performance Overview

## End-to-End Latency Distribution

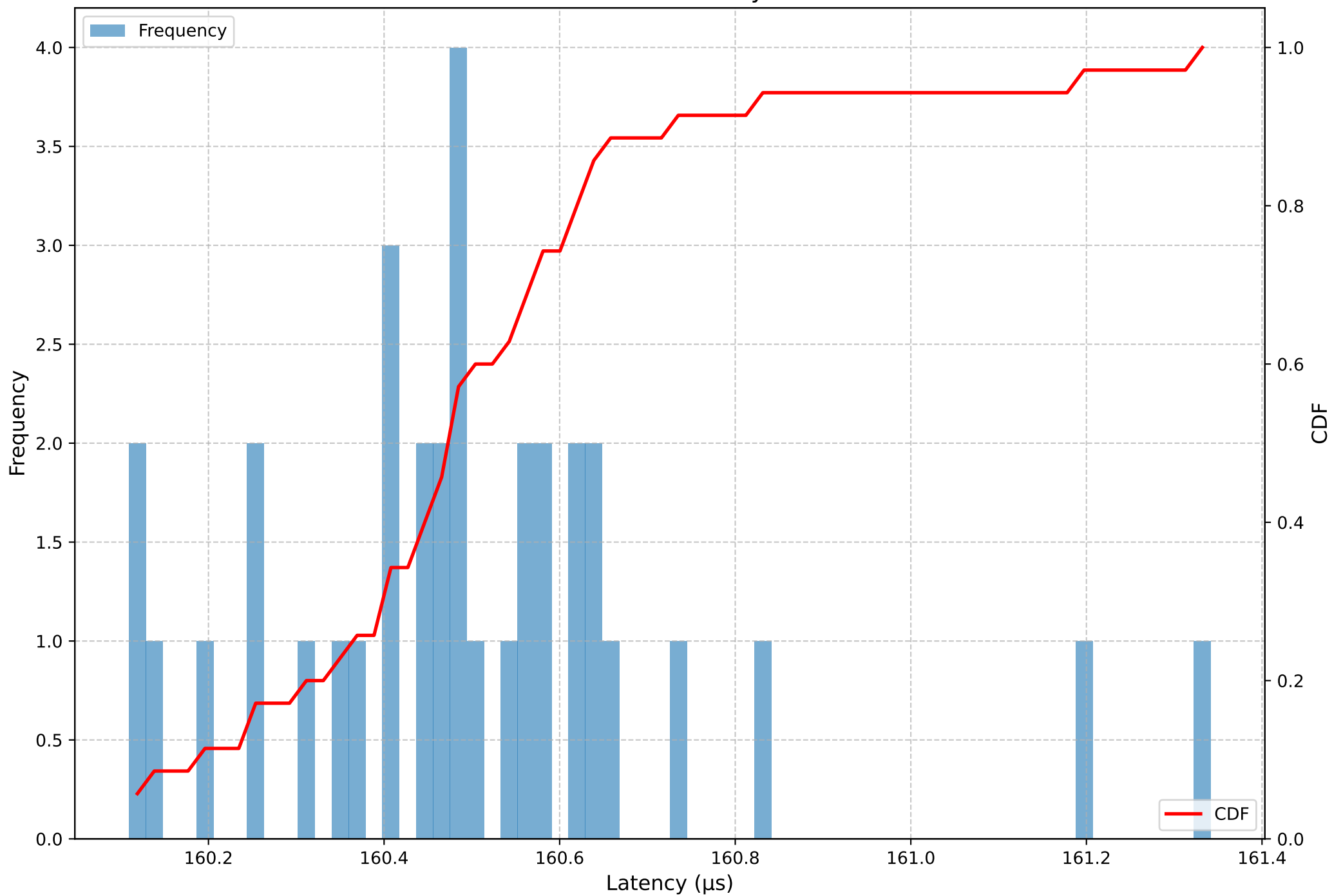


## End-to-End Throughput Over Time



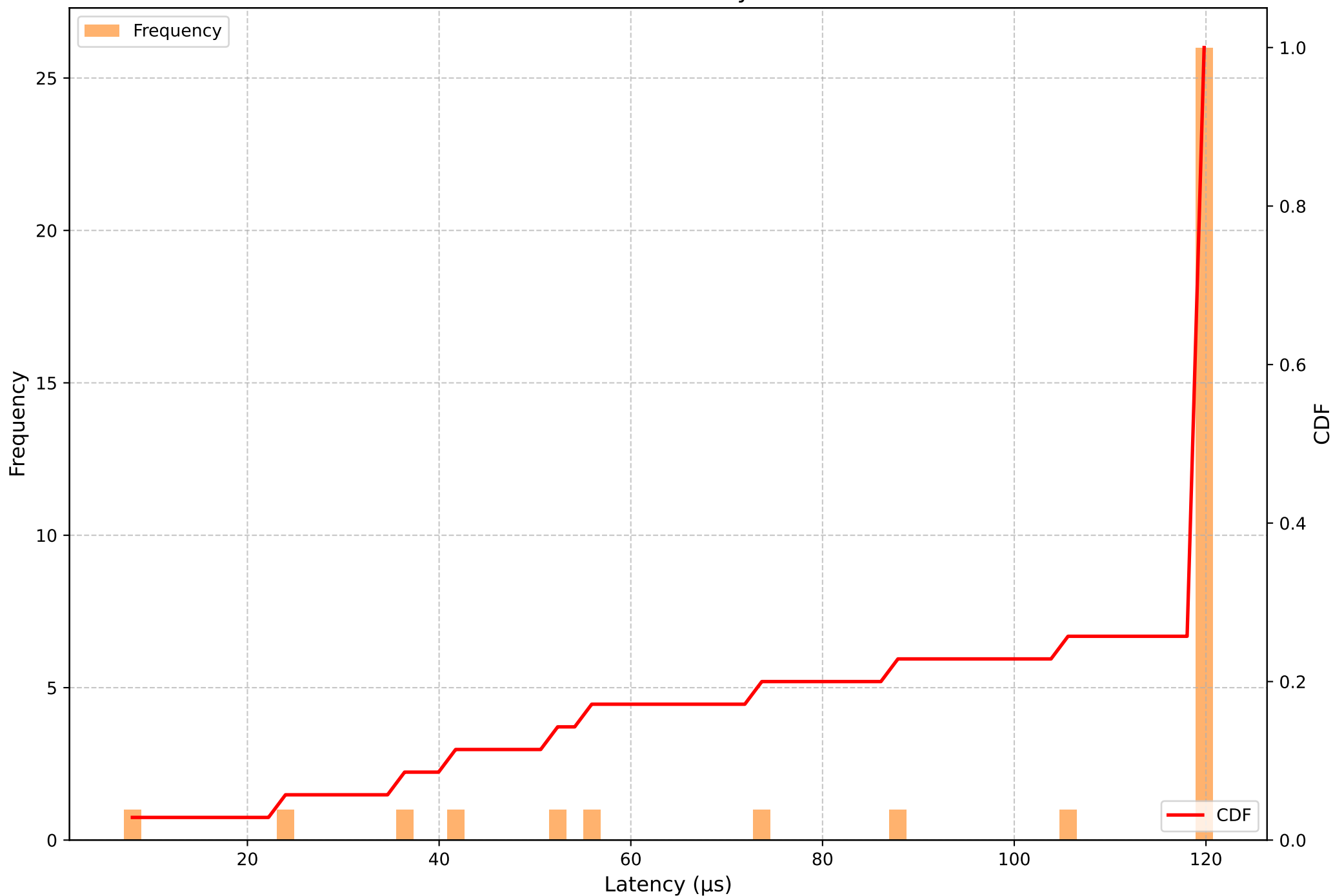
# Submit to Schedule Performance

## Submit to Schedule Latency Distribution



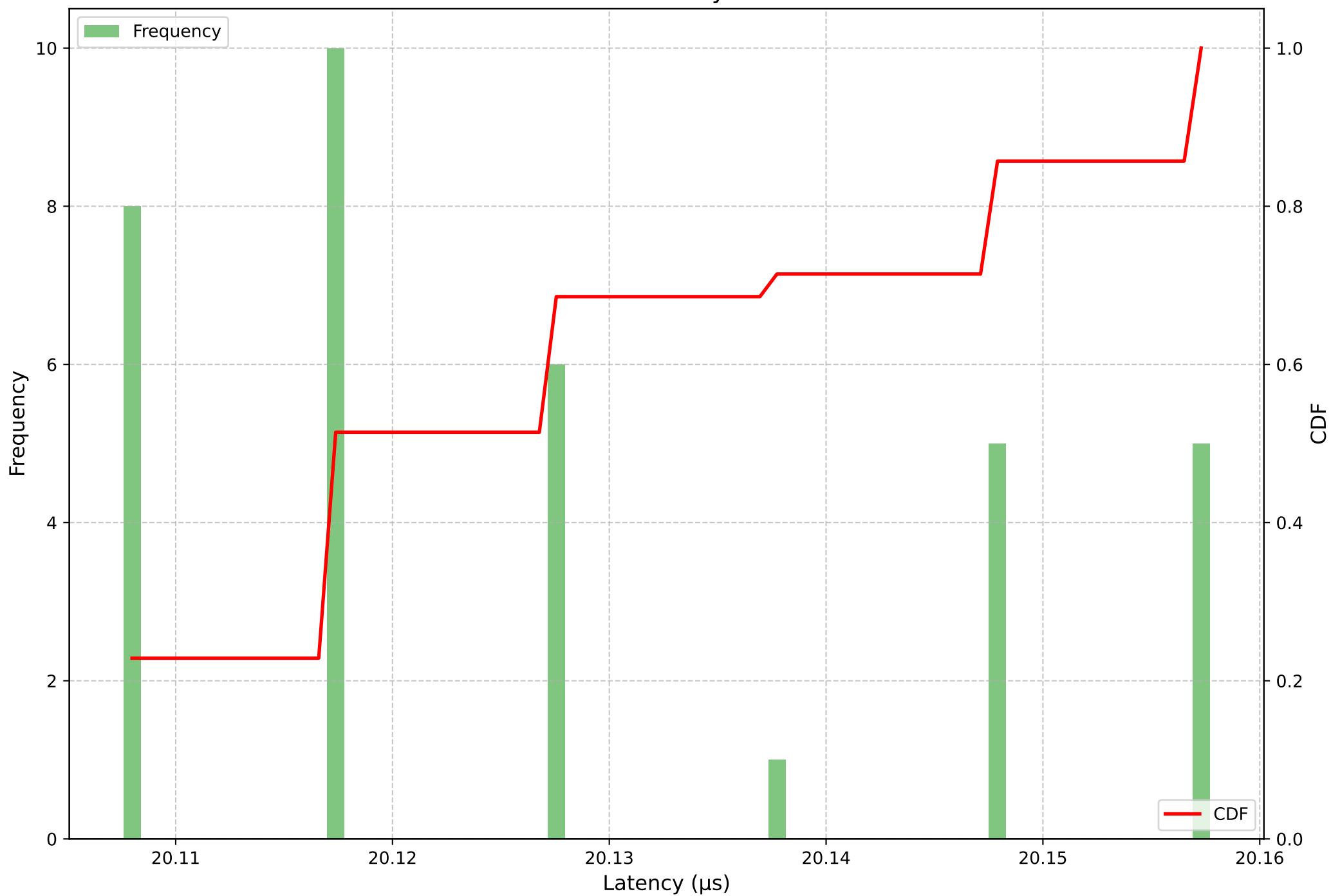
# Schedule to Work Performance

## Schedule to Work Latency Distribution



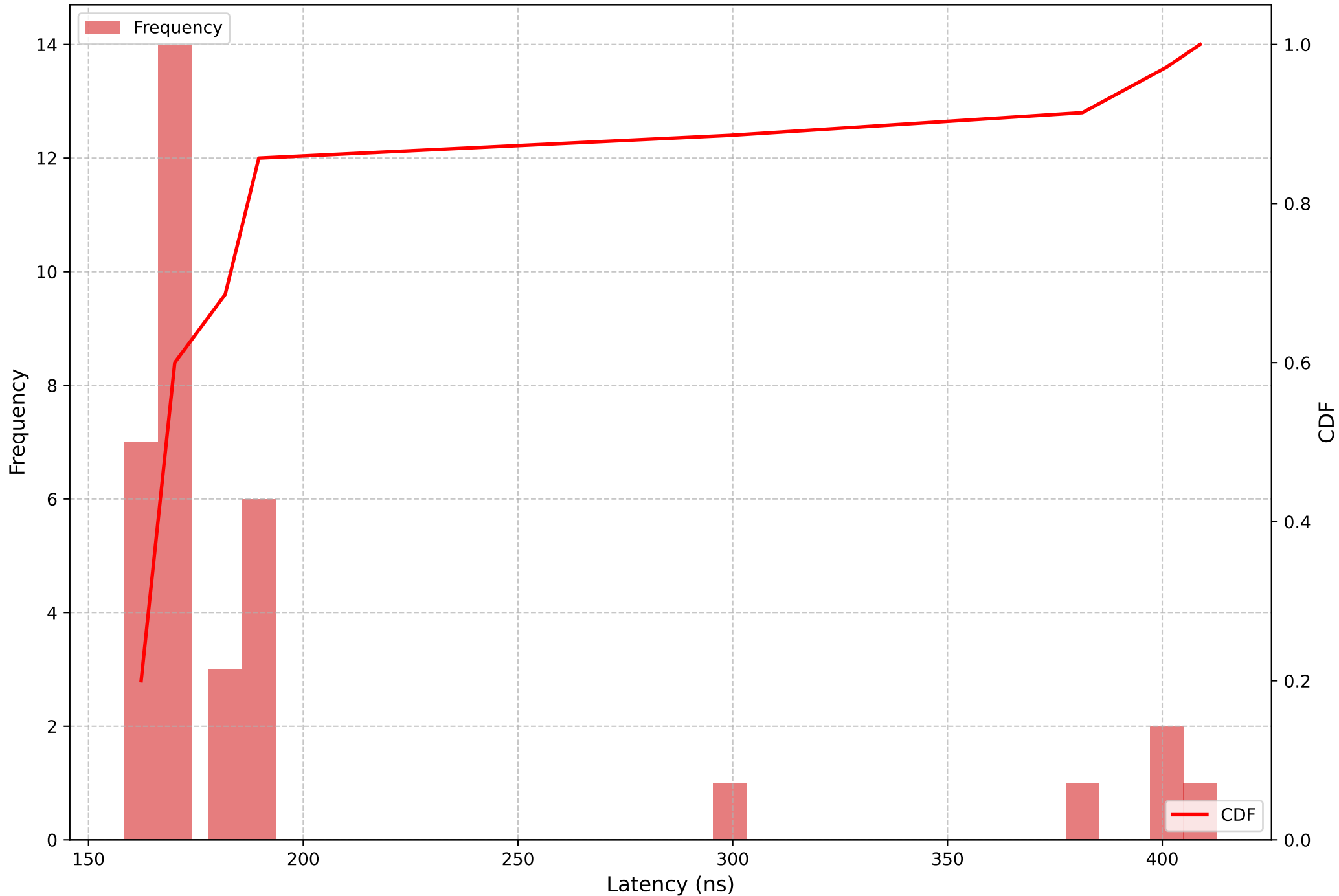
# Work to Done Performance

## Work to Done Latency Distribution



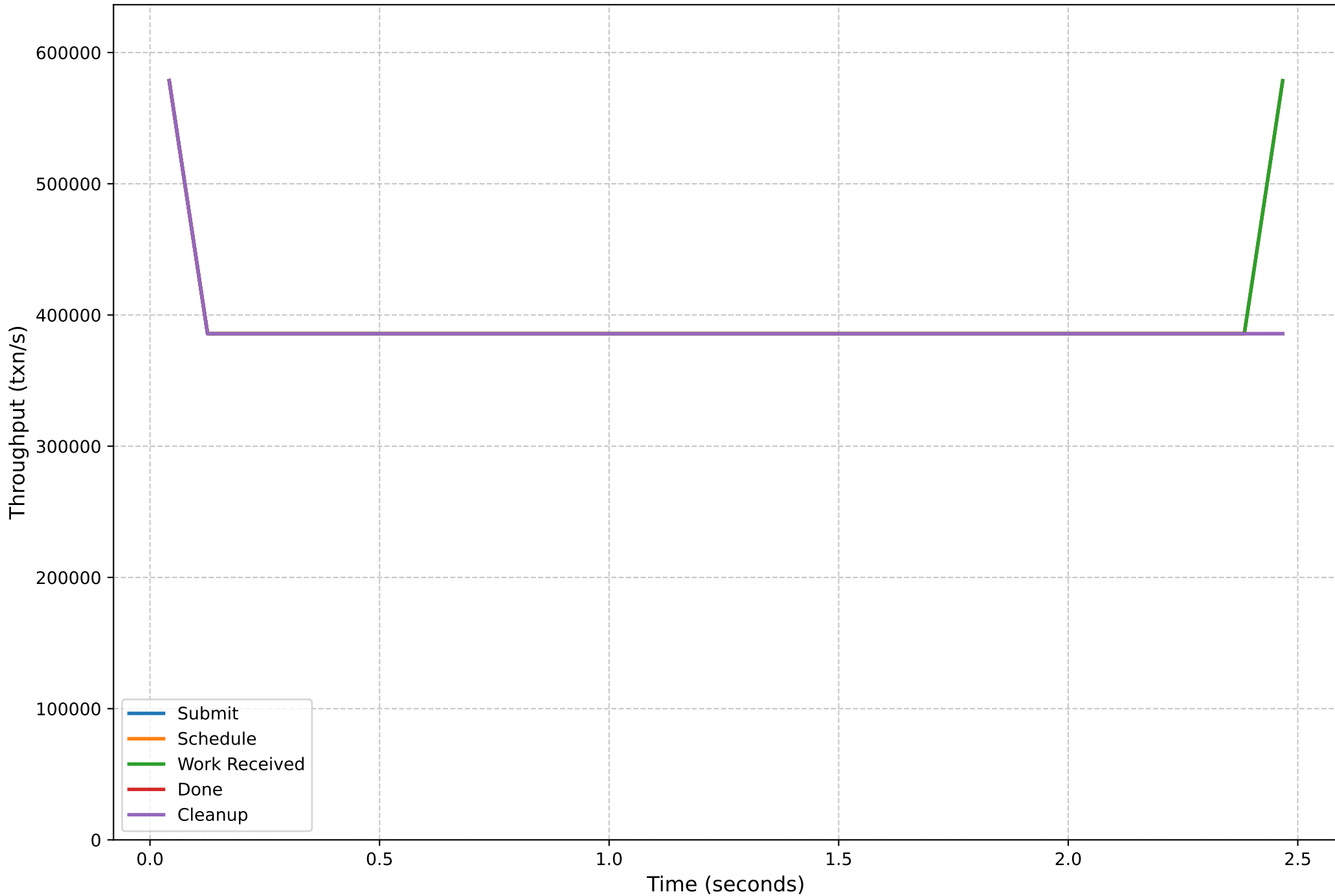
# Done to Cleanup Performance

## 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: 385,716.15 txn/s

Latency Statistics:

End-to-End:

Min: 188.24  $\mu$ s

Mean: 283.65  $\mu$ s

Median: 300.68  $\mu$ s

95th Percentile: 300.68  $\mu$ s

99th Percentile: 300.68  $\mu$ s

Max: 300.68  $\mu$ s

Std Dev: 32.56  $\mu$ s

Variability: 11.5%

Submit to Schedule:

Min: 160.12  $\mu$ s

Mean: 160.51  $\mu$ s

Median: 160.48  $\mu$ s

95th Percentile: 161.20  $\mu$ s

99th Percentile: 161.33  $\mu$ s

Max: 161.33  $\mu$ s

Std Dev: 0.25  $\mu$ s

Variability: 0.2%

Schedule to Work:

# Performance Summary Statistics

Min: 8.00  $\mu\text{s}$   
Mean: 102.87  $\mu\text{s}$   
Median: 119.81  $\mu\text{s}$   
95th Percentile: 119.81  $\mu\text{s}$   
99th Percentile: 119.81  $\mu\text{s}$   
Max: 119.81  $\mu\text{s}$   
Std Dev: 32.37  $\mu\text{s}$   
Variability: 31.5%

## Work to Done:

Min: 20.11  $\mu\text{s}$   
Mean: 20.13  $\mu\text{s}$   
Median: 20.12  $\mu\text{s}$   
95th Percentile: 20.16  $\mu\text{s}$   
99th Percentile: 20.16  $\mu\text{s}$   
Max: 20.16  $\mu\text{s}$   
Std Dev: 0.02  $\mu\text{s}$   
Variability: 0.1%

## Done to Cleanup:

Min: 162.26 ns  
Mean: 202.62 ns  
Median: 170.08 ns  
95th Percentile: 400.98 ns  
99th Percentile: 408.81 ns  
Max: 408.81 ns  
Std Dev: 73.88 ns  
Variability: 36.5%