AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2019/05/01 - 17:50:56

Iterations:	1 ,i.e., 0 in matsim config.

AV File   **AV_Config File**

Dispatcher:	AidoDispatcherHost
Rebalancing Period:	-00:00:01
Redispatching Period:	00:00:10

Network:	null_prepared
Virtual Nodes:	no virtual network found
Population:	500

Number of Vehicles:	20
Number of Requests	500

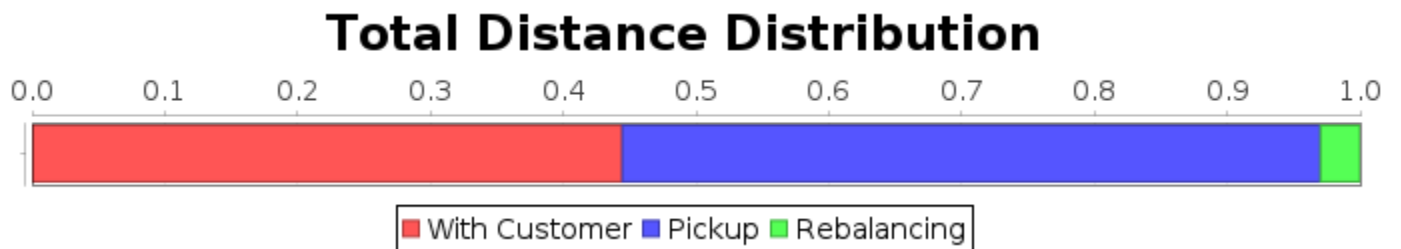# Aggregated Results

Distance Ratio: 44.45%

Occupancy Ratio: 17.86 %

Distances

    Total: 18433.37 km

    Rebalancing: 548.31 km (2.97%)

    Pickup: 9691.08 km (52.57%)
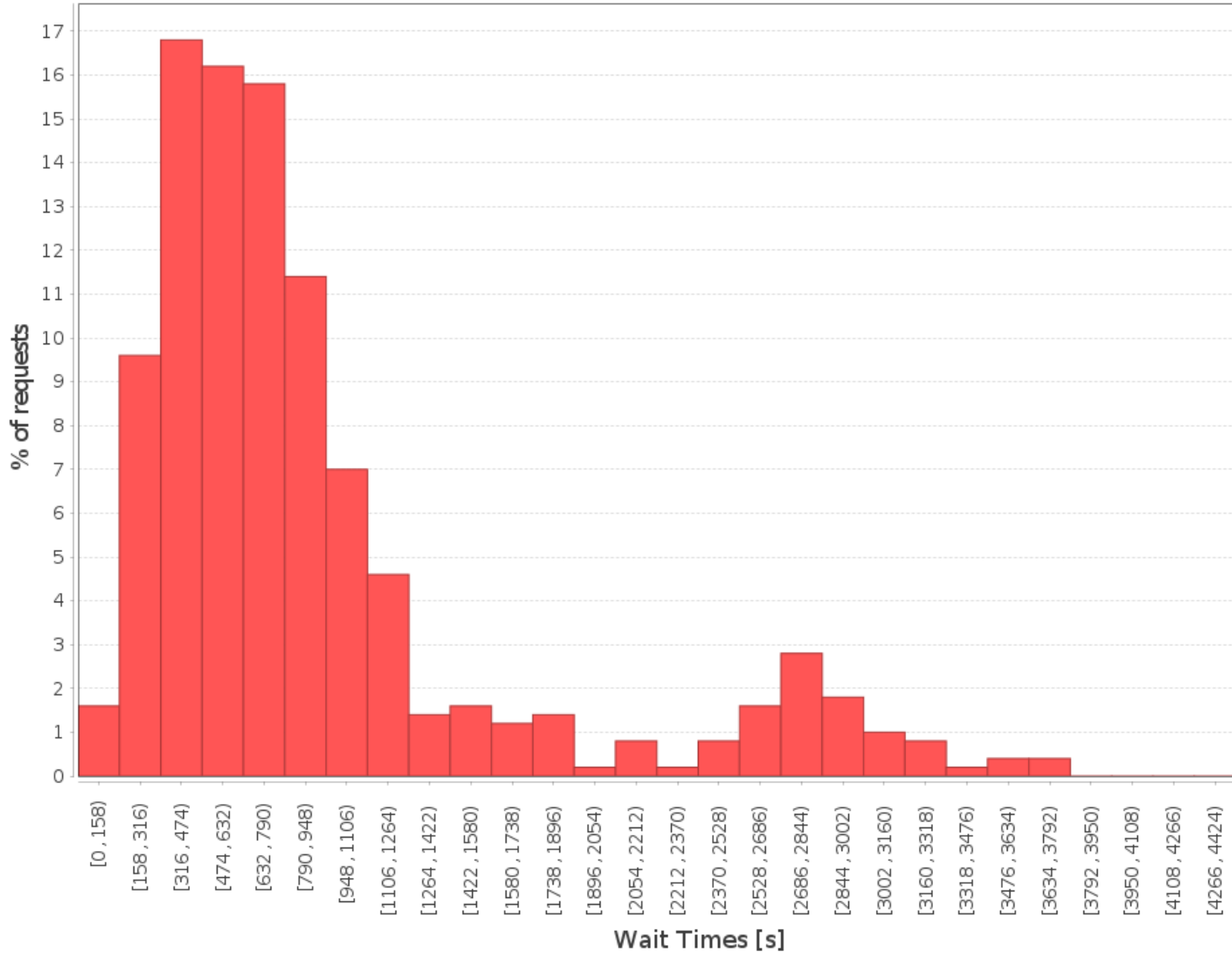
    With Customer: 8193.98 km (44.45%)

Average Trip Distance: 16.39 km

Total Distance Distribution

Legend: With Customer | Pickup | Rebalancing

Wait Times
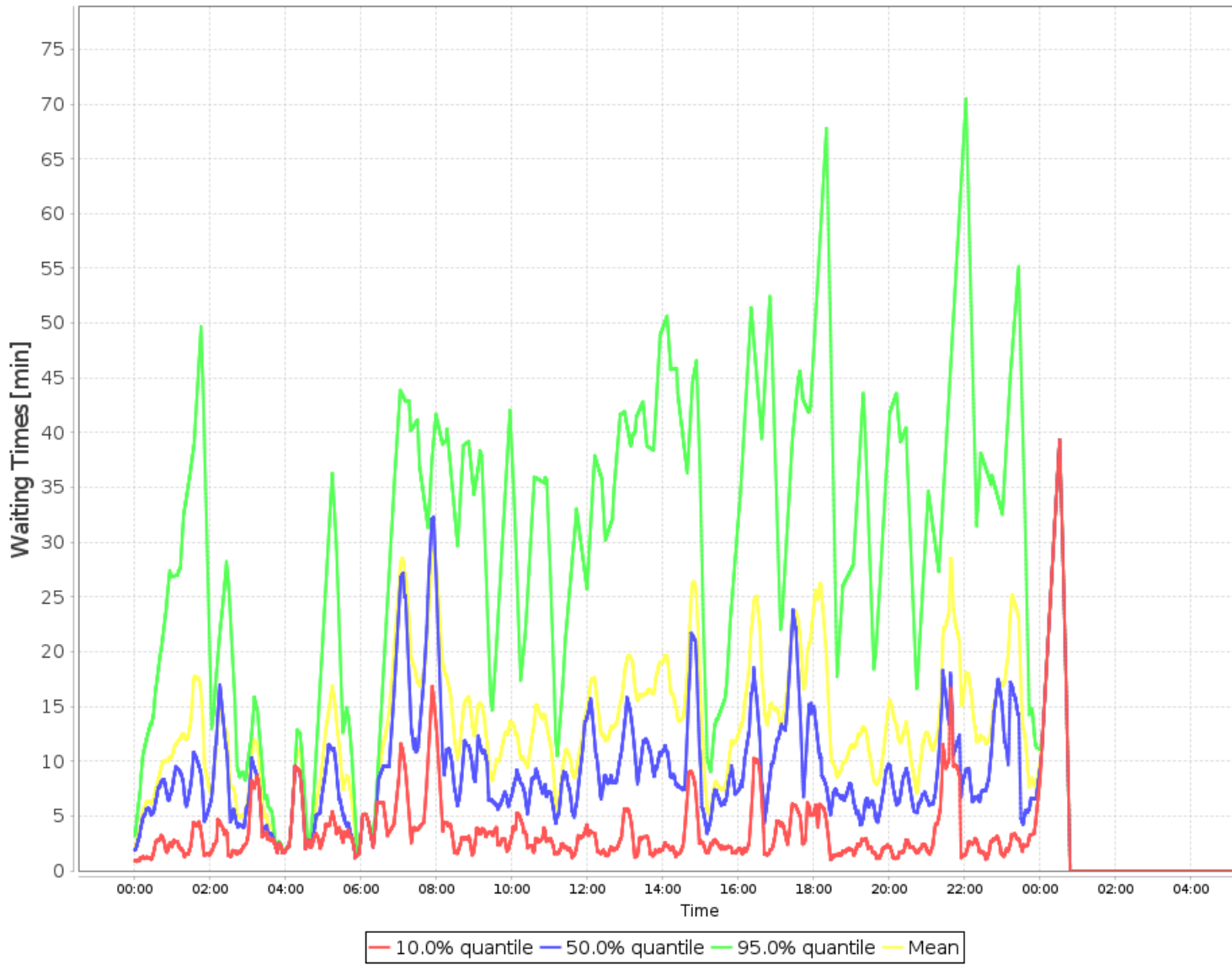
    10.0% quantile   00:04:58

    50.0% quantile   00:11:36

    95.0% quantile   00:47:19

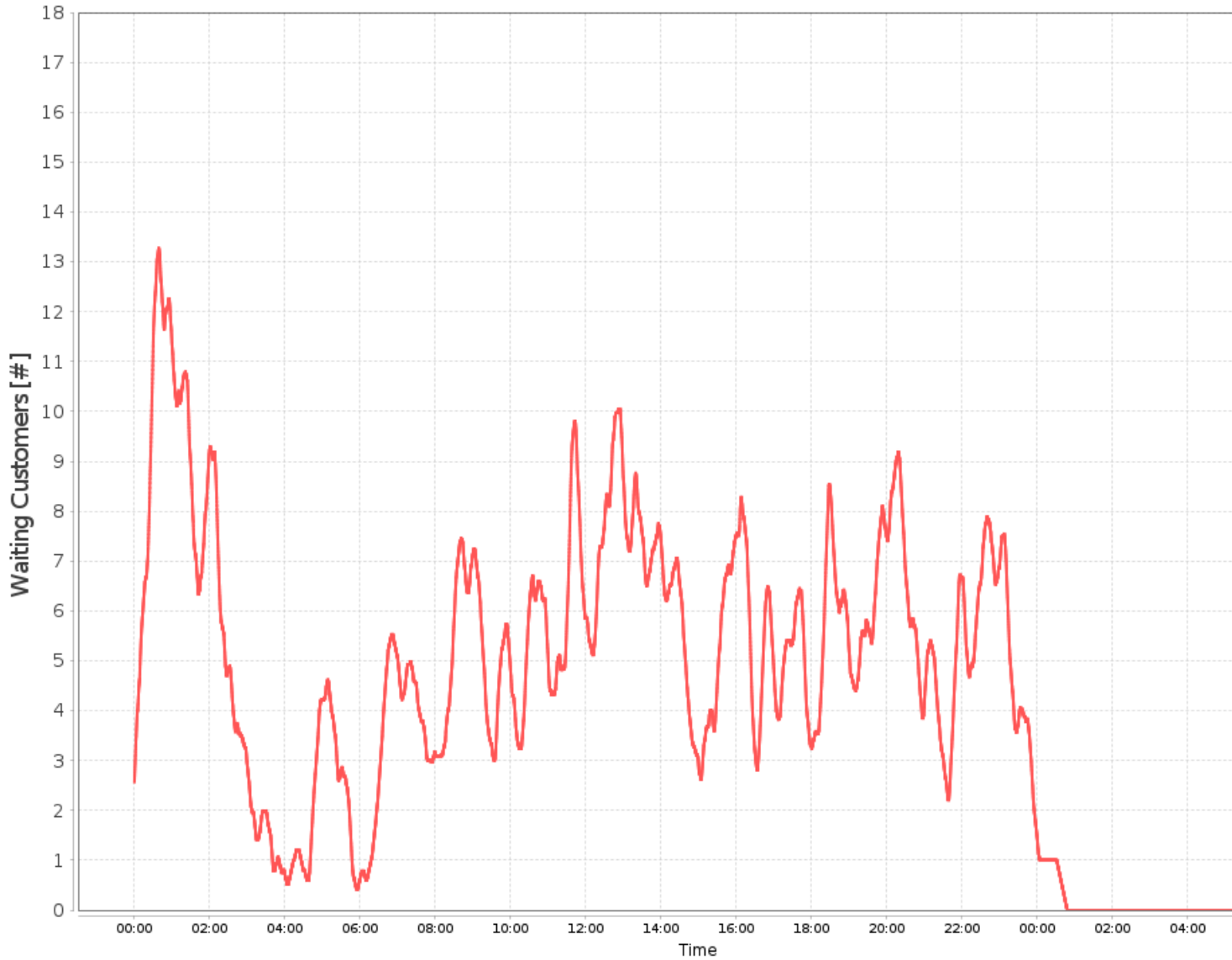   Mean   00:15:32
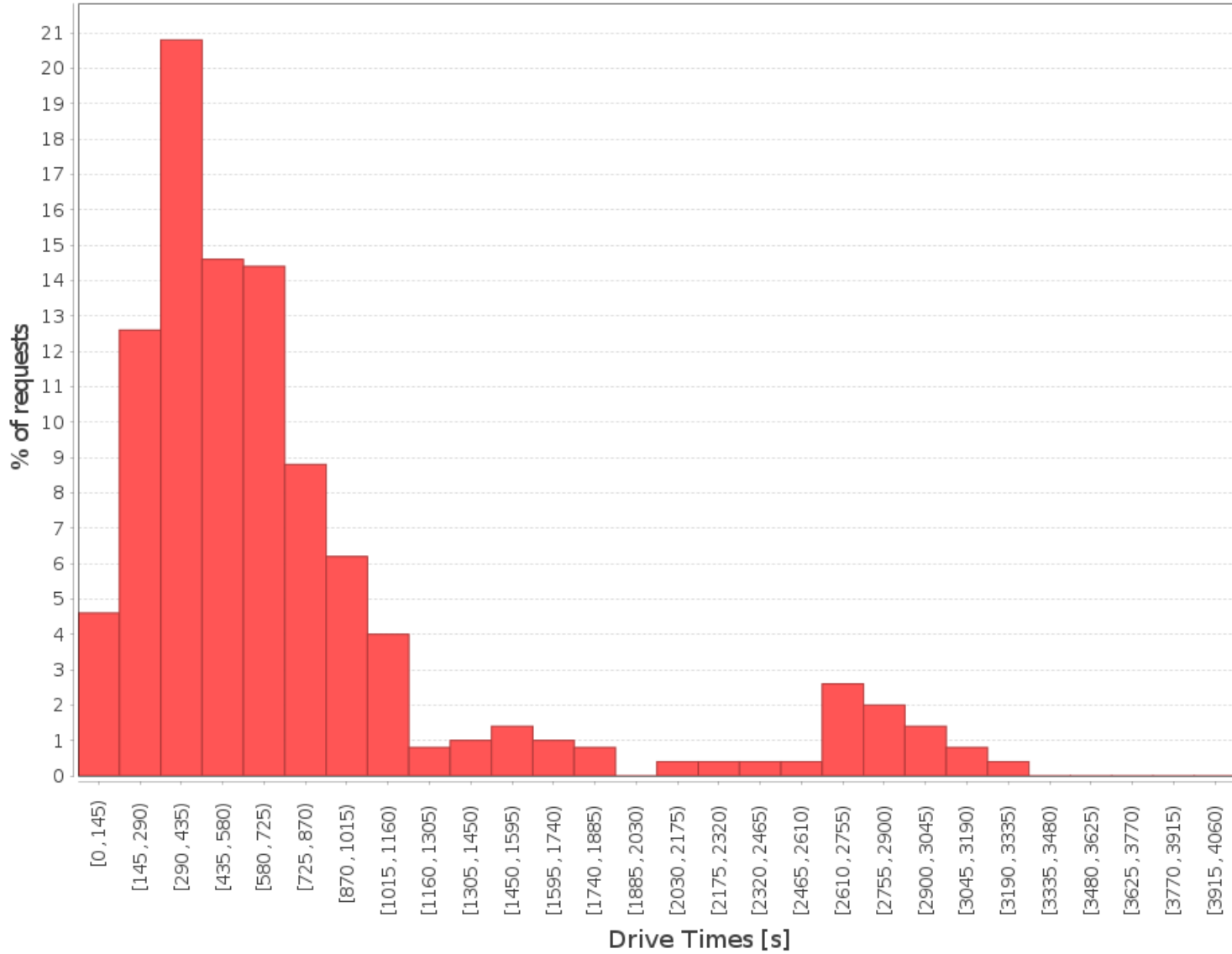
    Maximum: 01:18:59

Number of Requests per Wait Time

Binned Waiting Times

Waiting Customers per Day Time

Drive Times

10.0% quantile	00:03:30
50.0% quantile	00:09:10
95.0% quantile	00:45:30
Mean	00:12:51
Maximum:	01:12:20

Number of Requests per Drive Time

Total Journey Times

10.0% quantile	00:11:50
50.0% quantile	00:21:22
95.0% quantile	01:17:13
Mean	00:28:24
Maximum:	01:59:06

Number of Requests per Total Journey Time
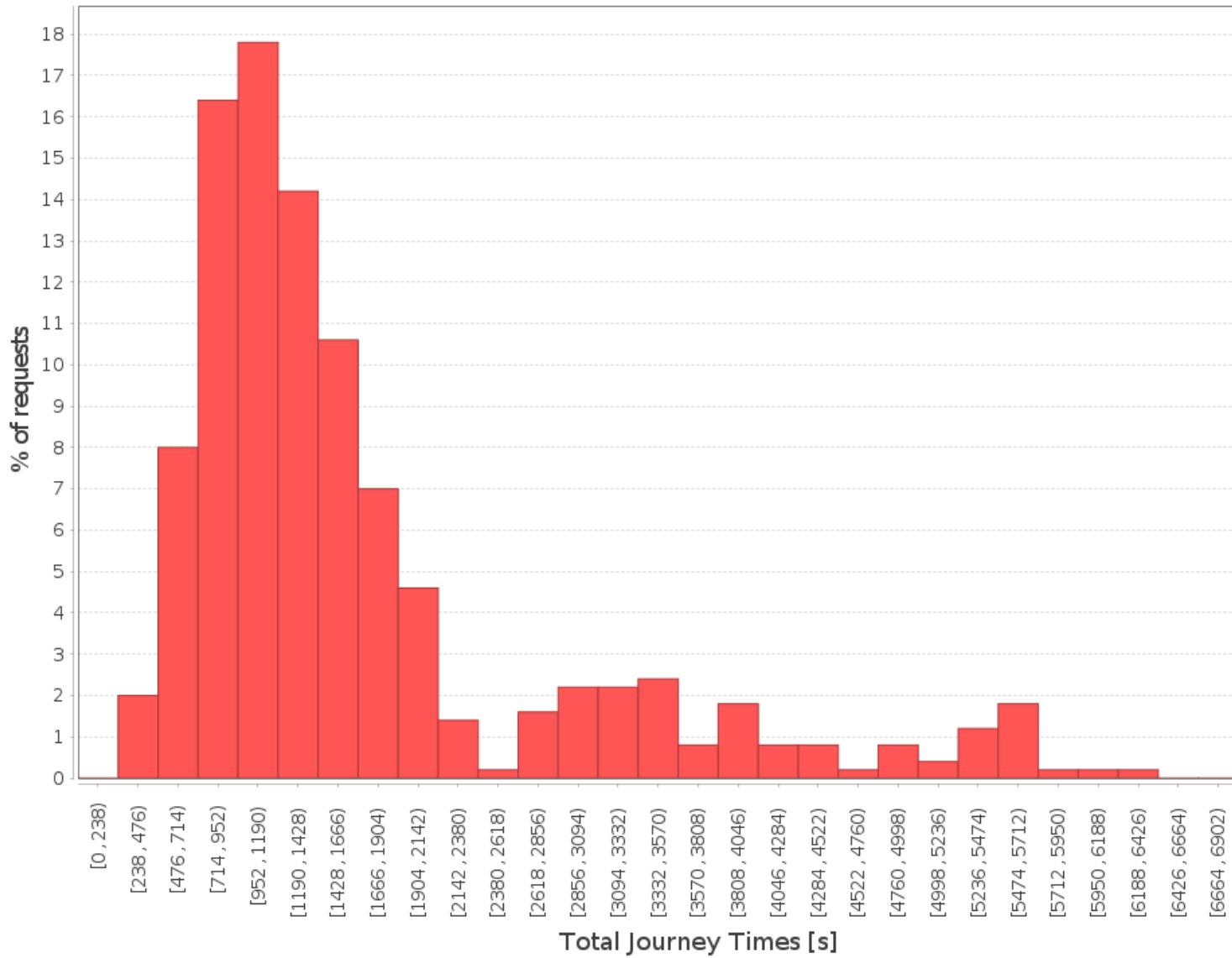
Fleet Efficiency

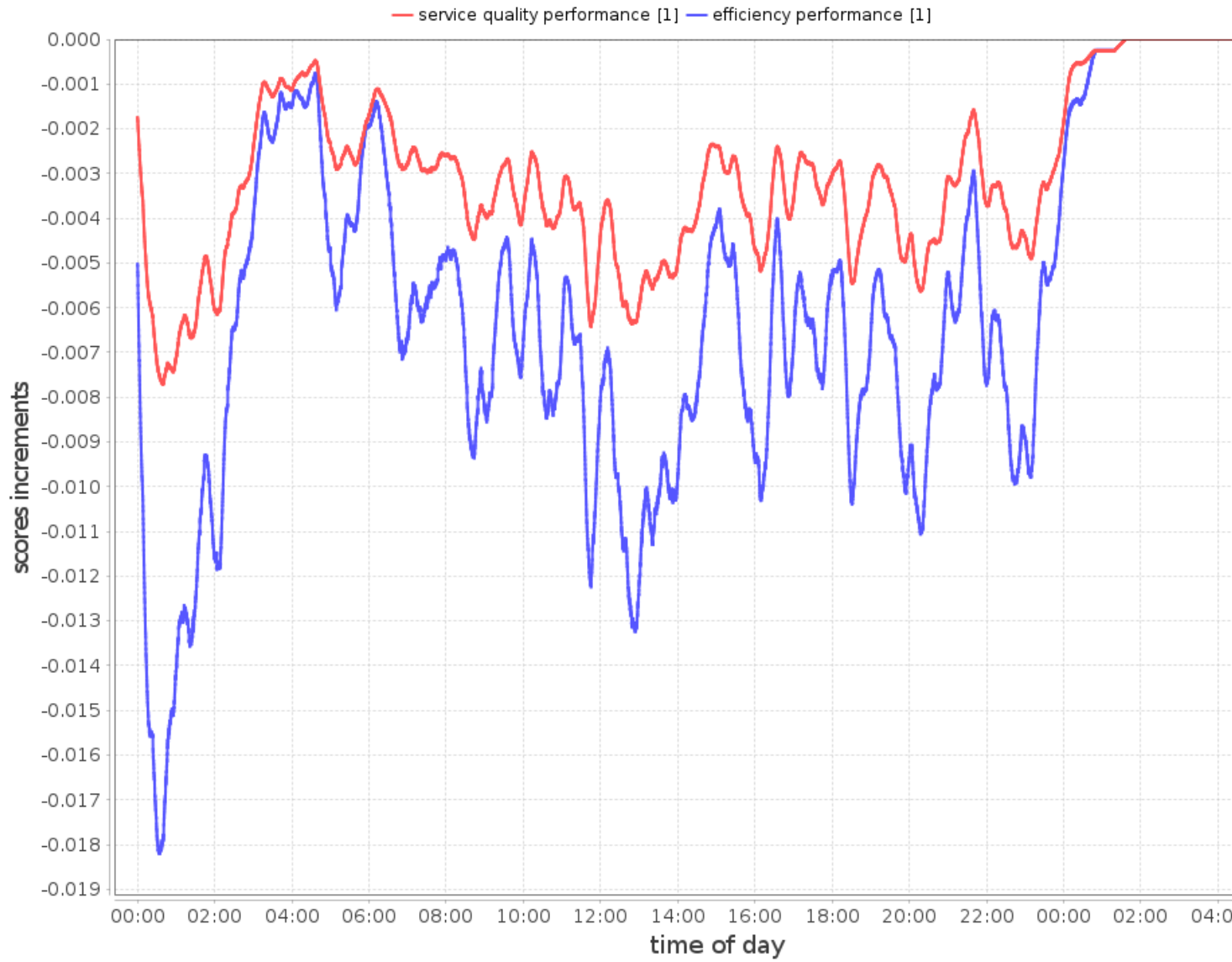## Distance Distribution over Day
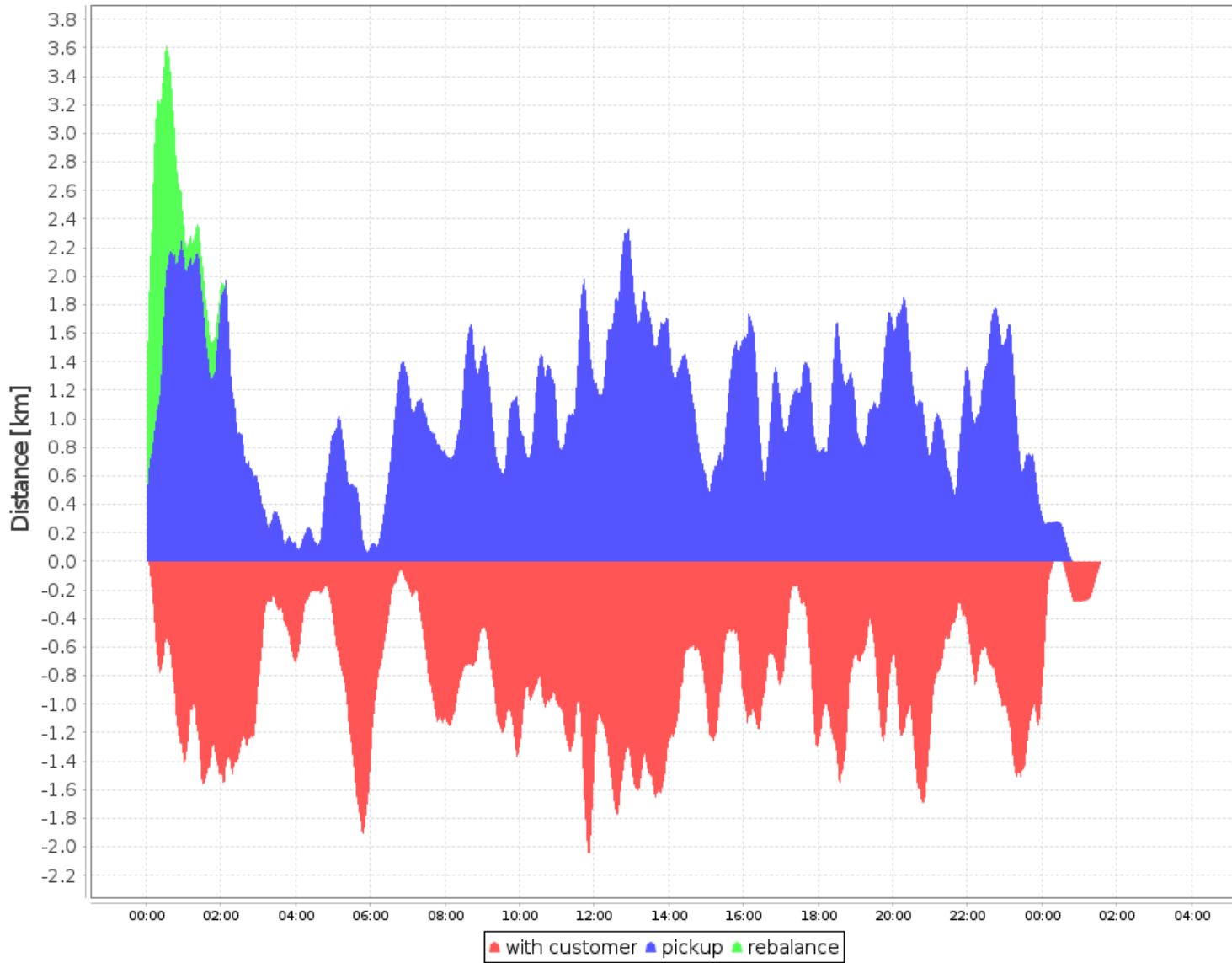
Occupancy and Distance Ratios

Occupancy / Distance Ratio vs Time

Legend: occupancy ratio, distance ratio

Number Passengers

1 Passenger ▲ pickup ▲ rebalance ▲ stay ▲ off service
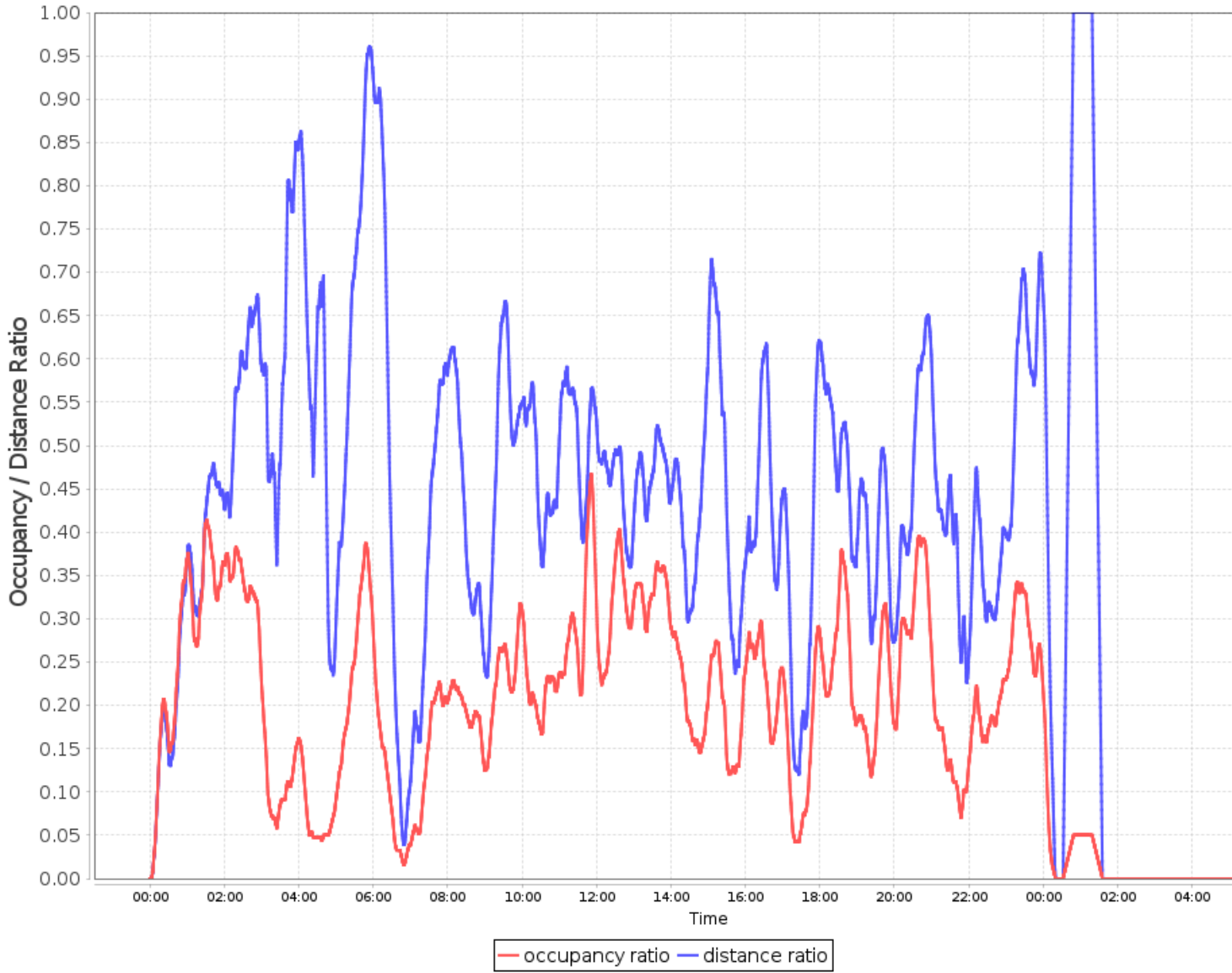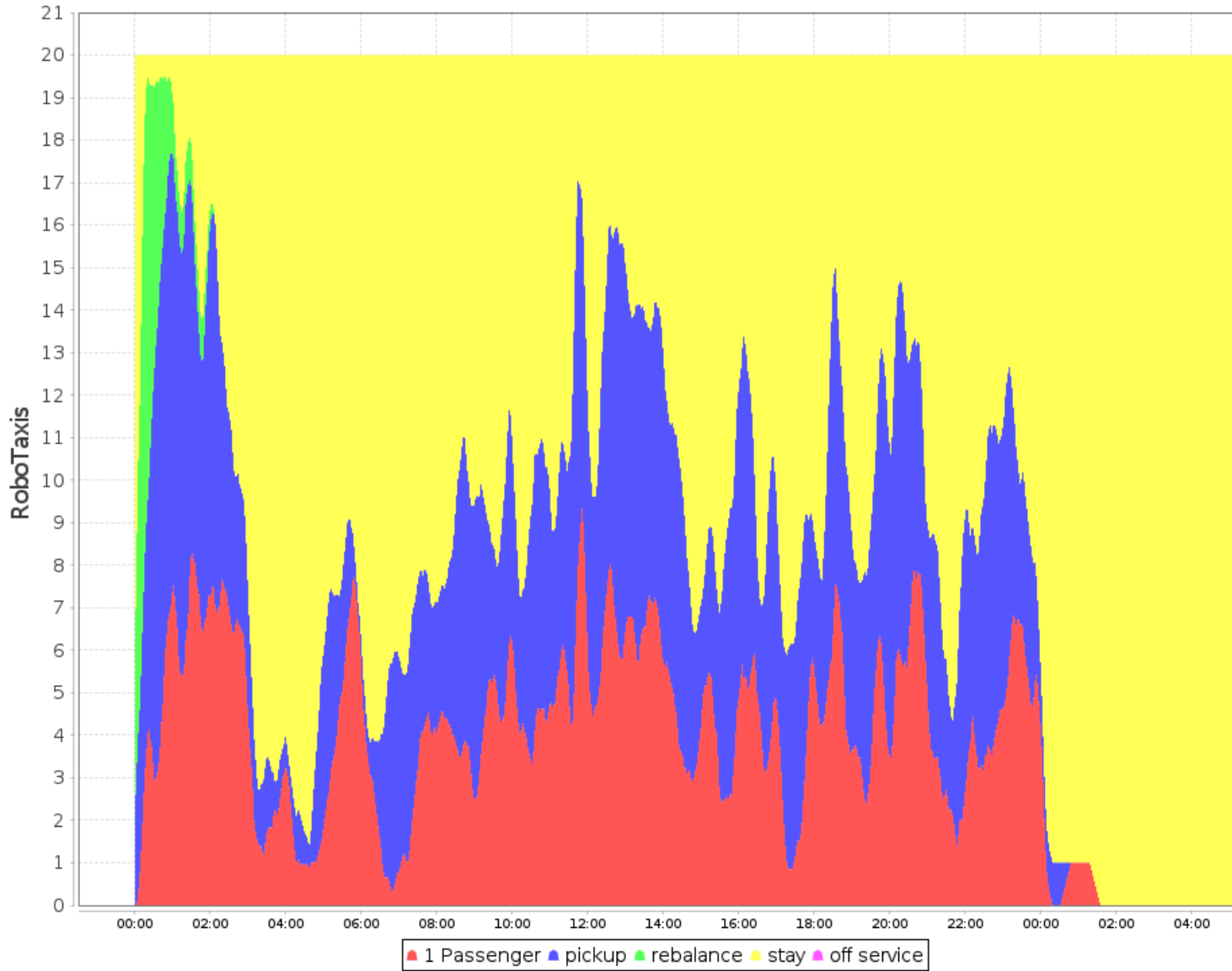
Ride Sharing Distribution, fraction of Requests
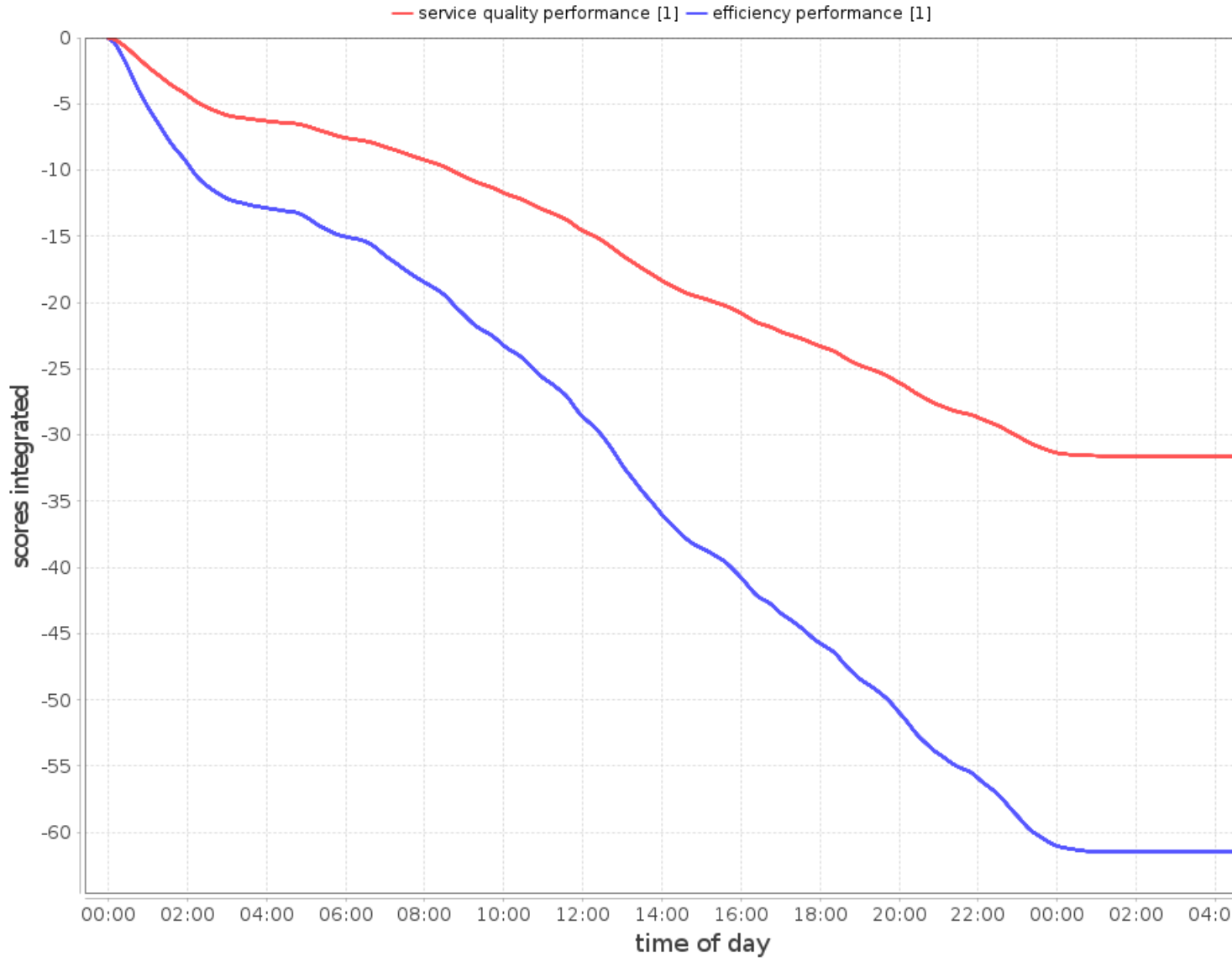

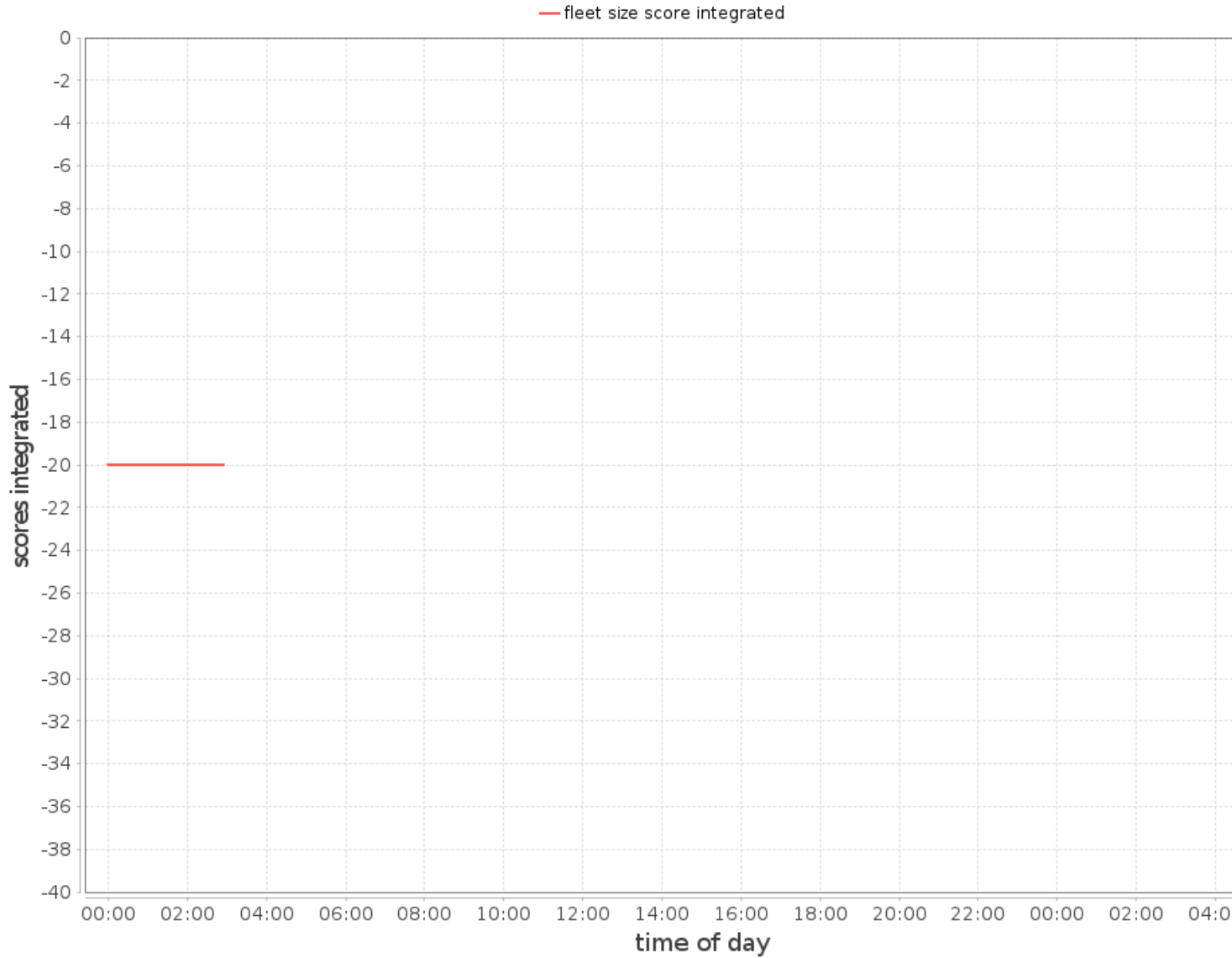1 Passengers

Aido Scores

Scores during Simulation

Service Quality and Efficiency Score Increments

Service Quality and Efficiency Score Integrated

Fleet Size Score Integrated

Final Scores

final service quality score:	-31.606842719058736
final efficiency score:	-61.47017087623211
final fleet size score:	-Infinity