AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2019/04/24 - 09:23:30
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:	43.56%
Occupancy Ratio:	17.86 %

Distances

Total:	18820.31 km
Rebalancing:	600.59 km (3.19%)
Pickup:	10021.44 km (53.25%)
With Customer:	8198.28 km (43.56%)

Average Trip Distance:	16.40 km

Total Distance Distribution
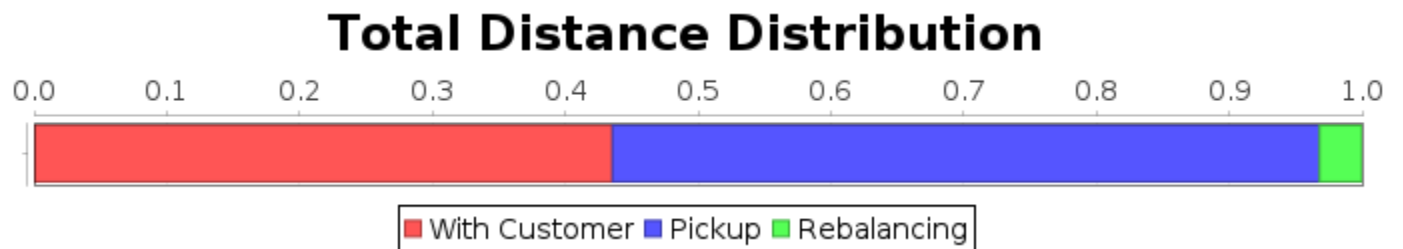
Wait Times

10.0% quantile	00:05:07
50.0% quantile	00:11:50
95.0% quantile	00:47:46
Mean	00:16:10
Maximum:	01:15:28

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
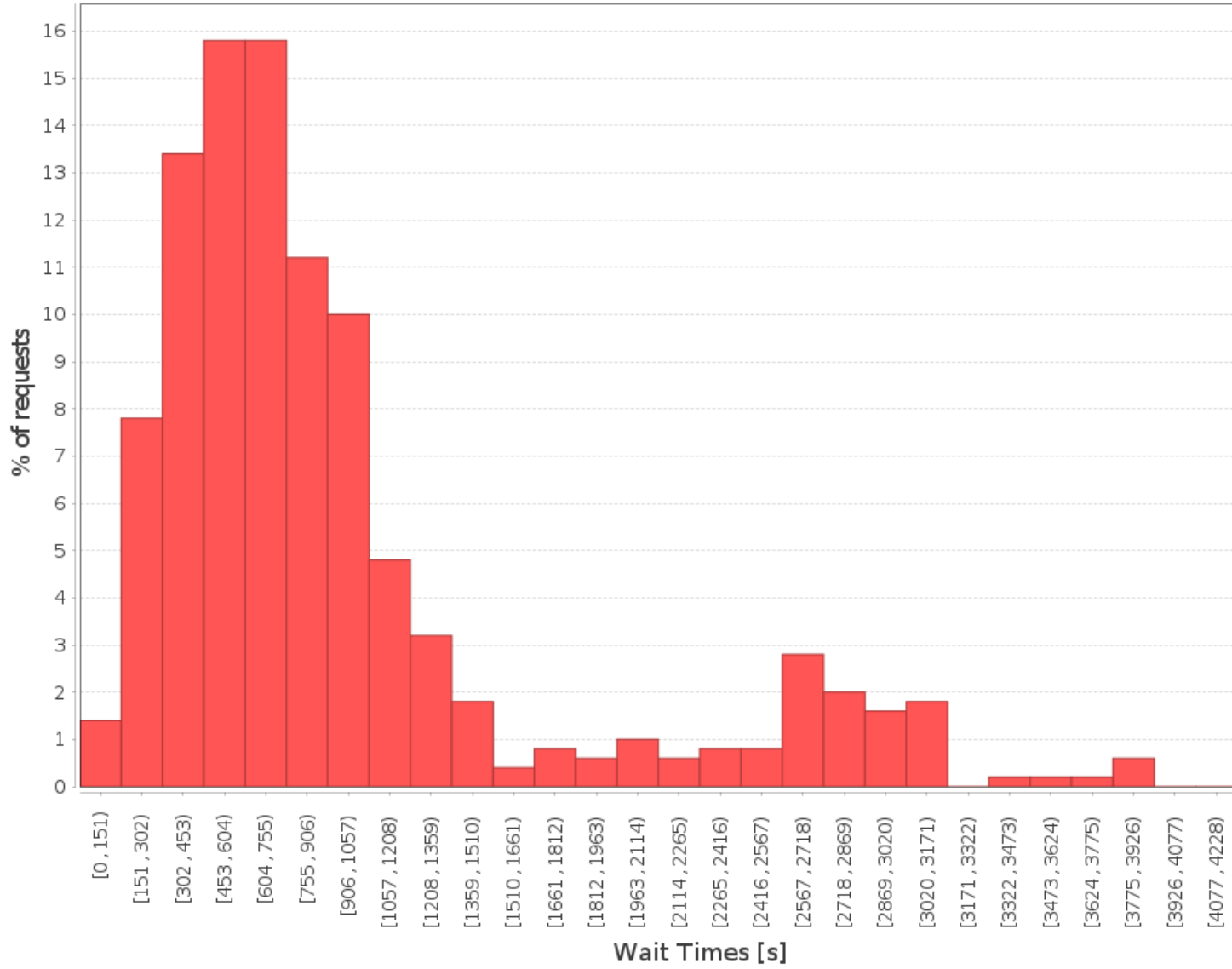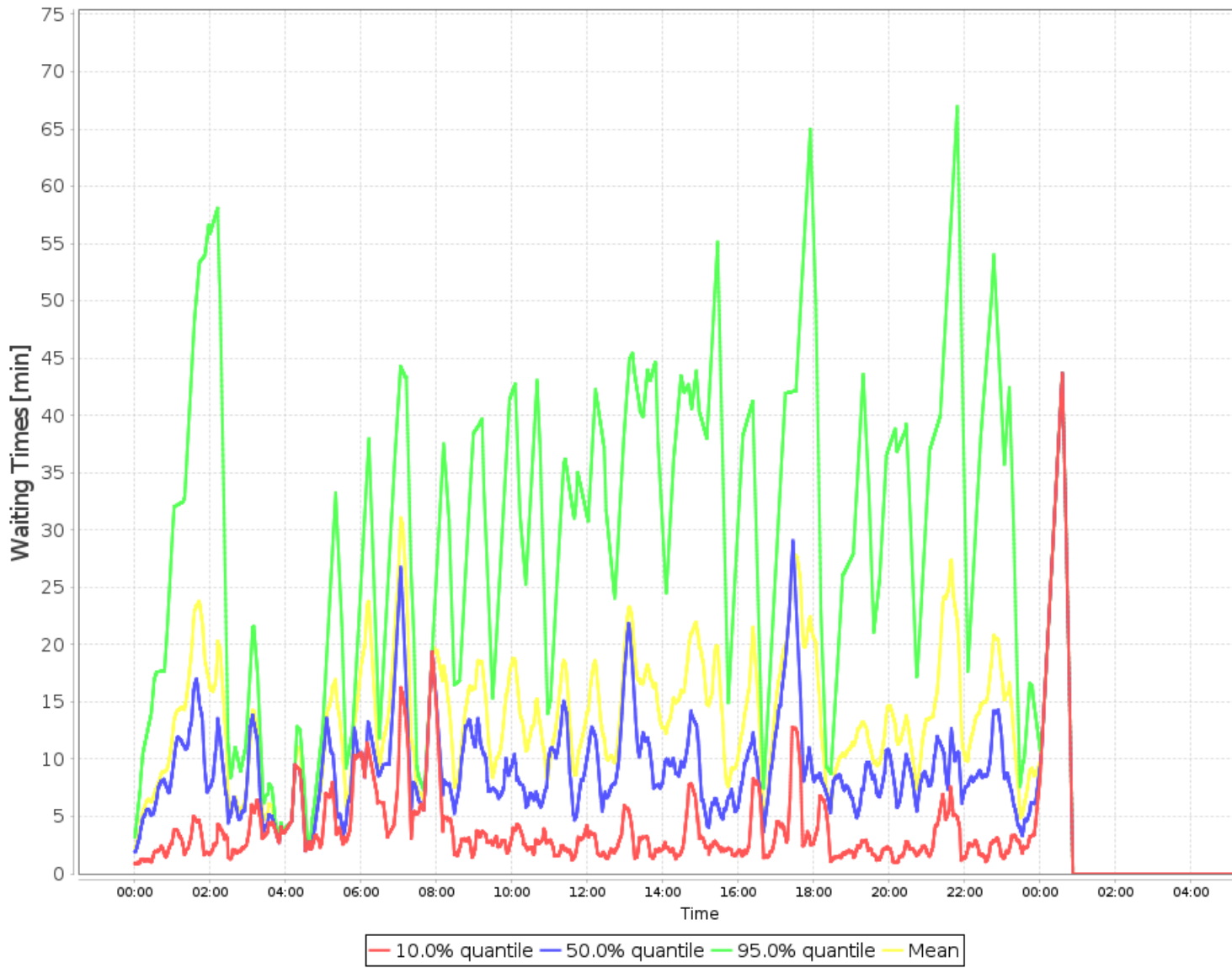
Number of Requests per Drive Time
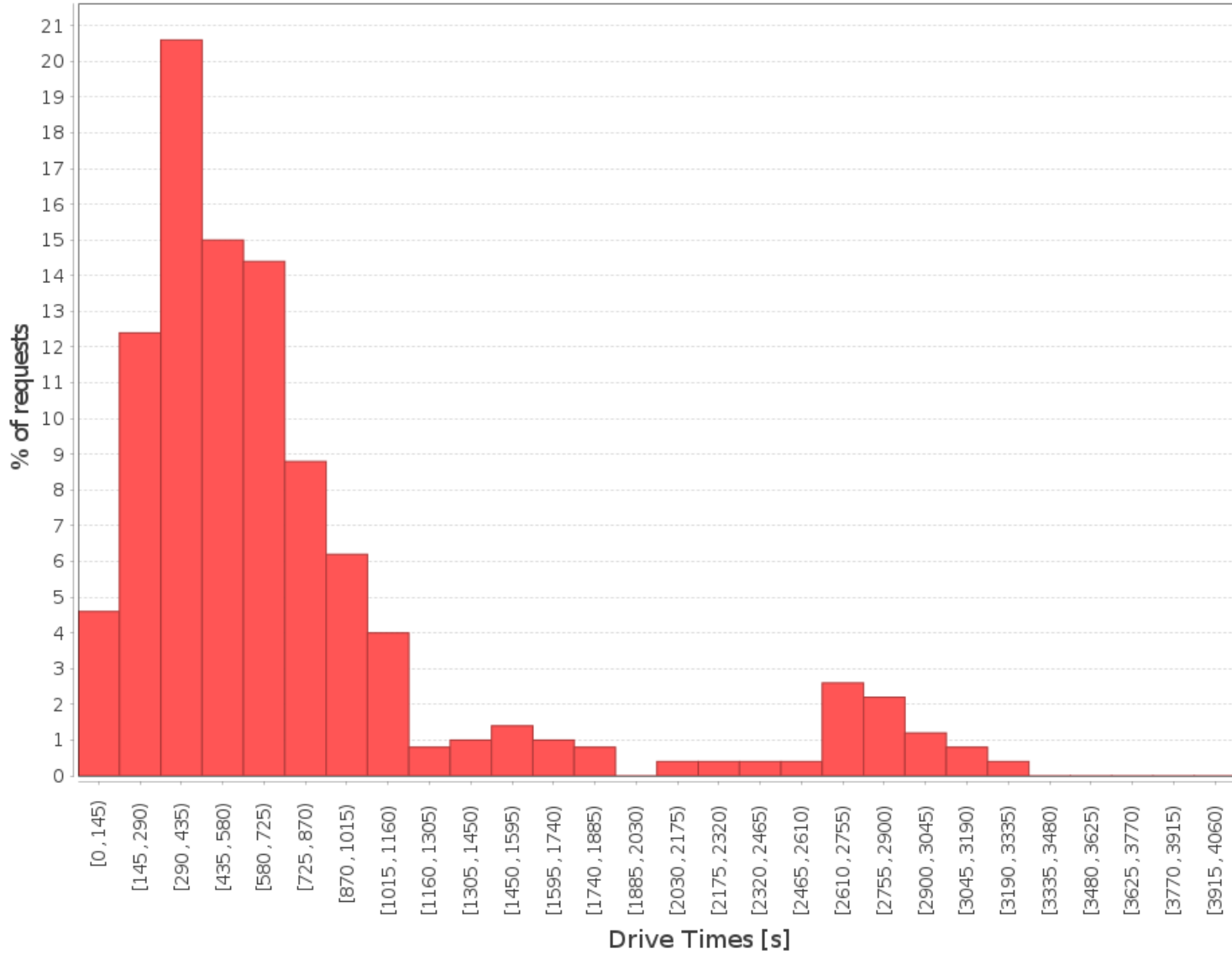
Total Journey Times

10.0% quantile	00:10:51
50.0% quantile	00:22:02
95.0% quantile	01:13:44
Mean	00:29:01
Maximum:	01:44:03

Number of Requests per Total Journey Time
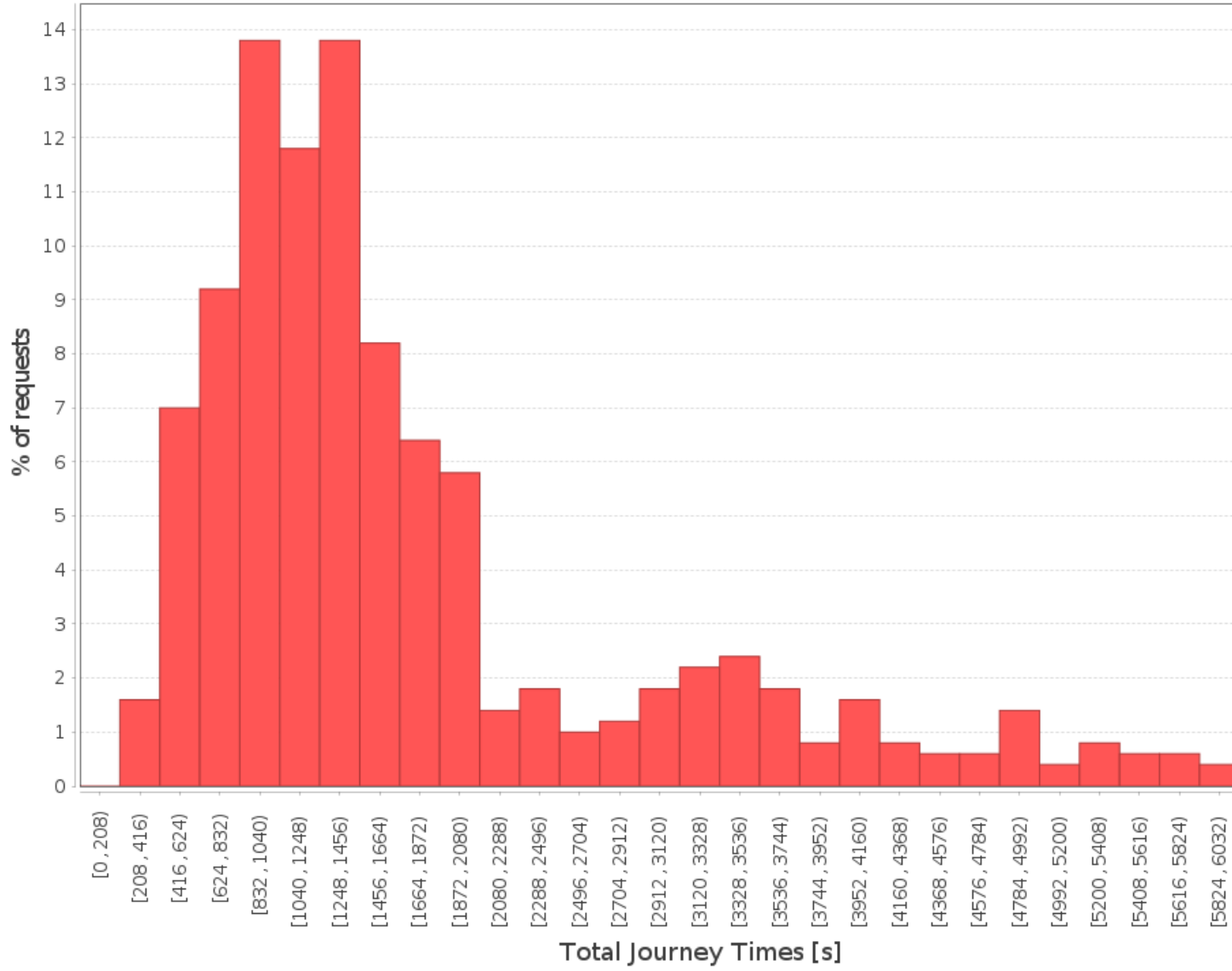
Fleet Efficiency

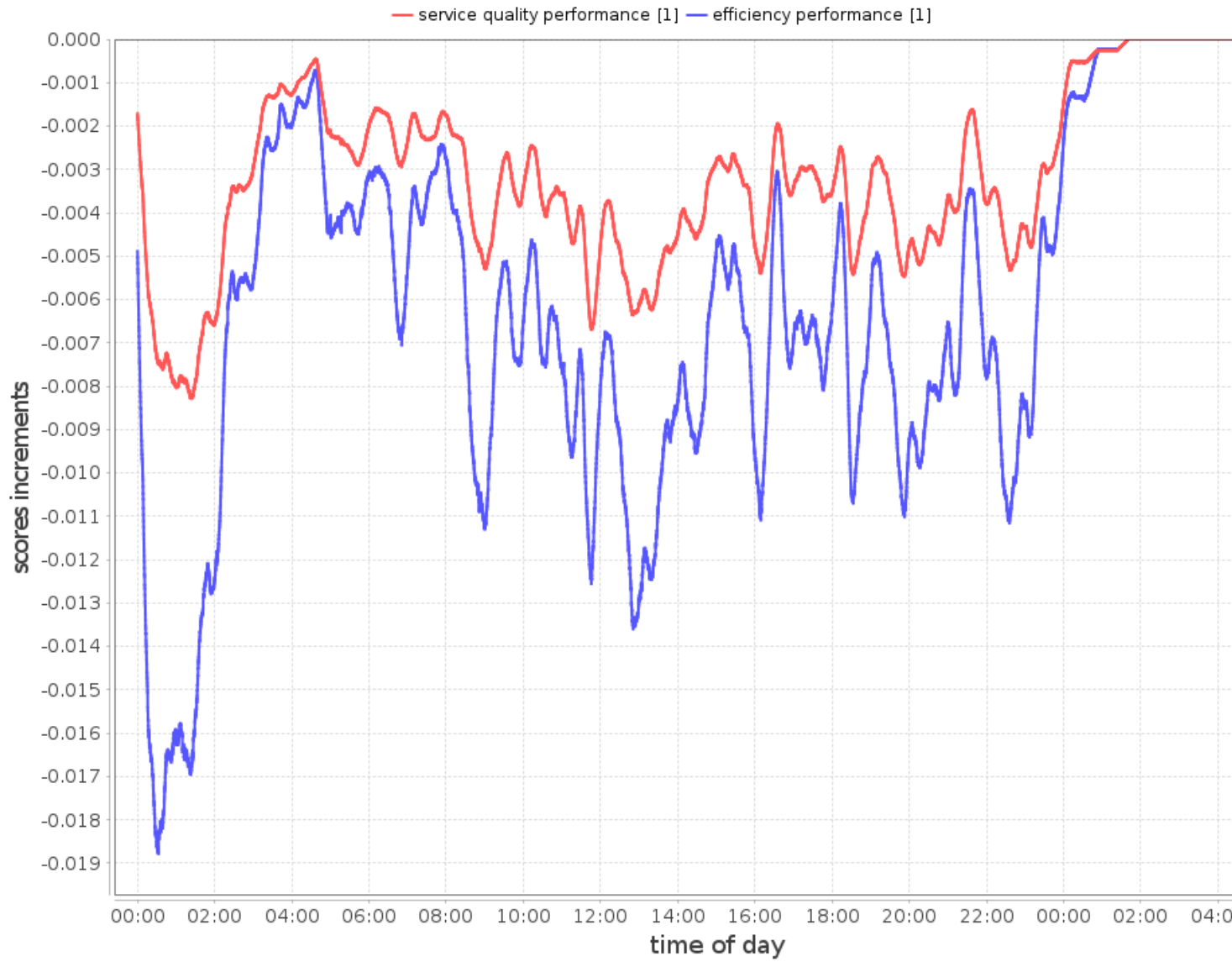**Distance Distribution over Day**
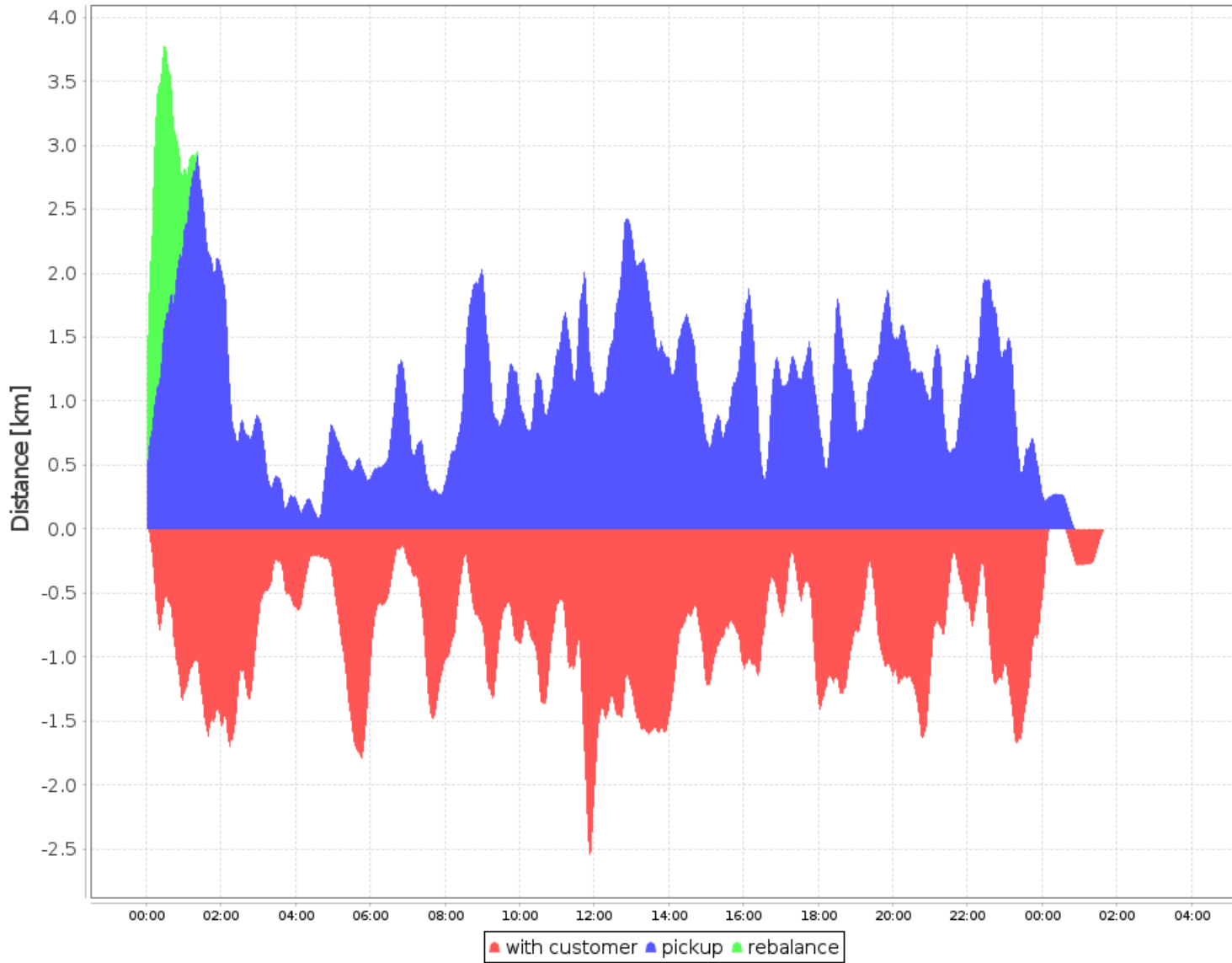
Occupancy and Distance Ratios

occupancy ratio — distance ratio

Number Passengers

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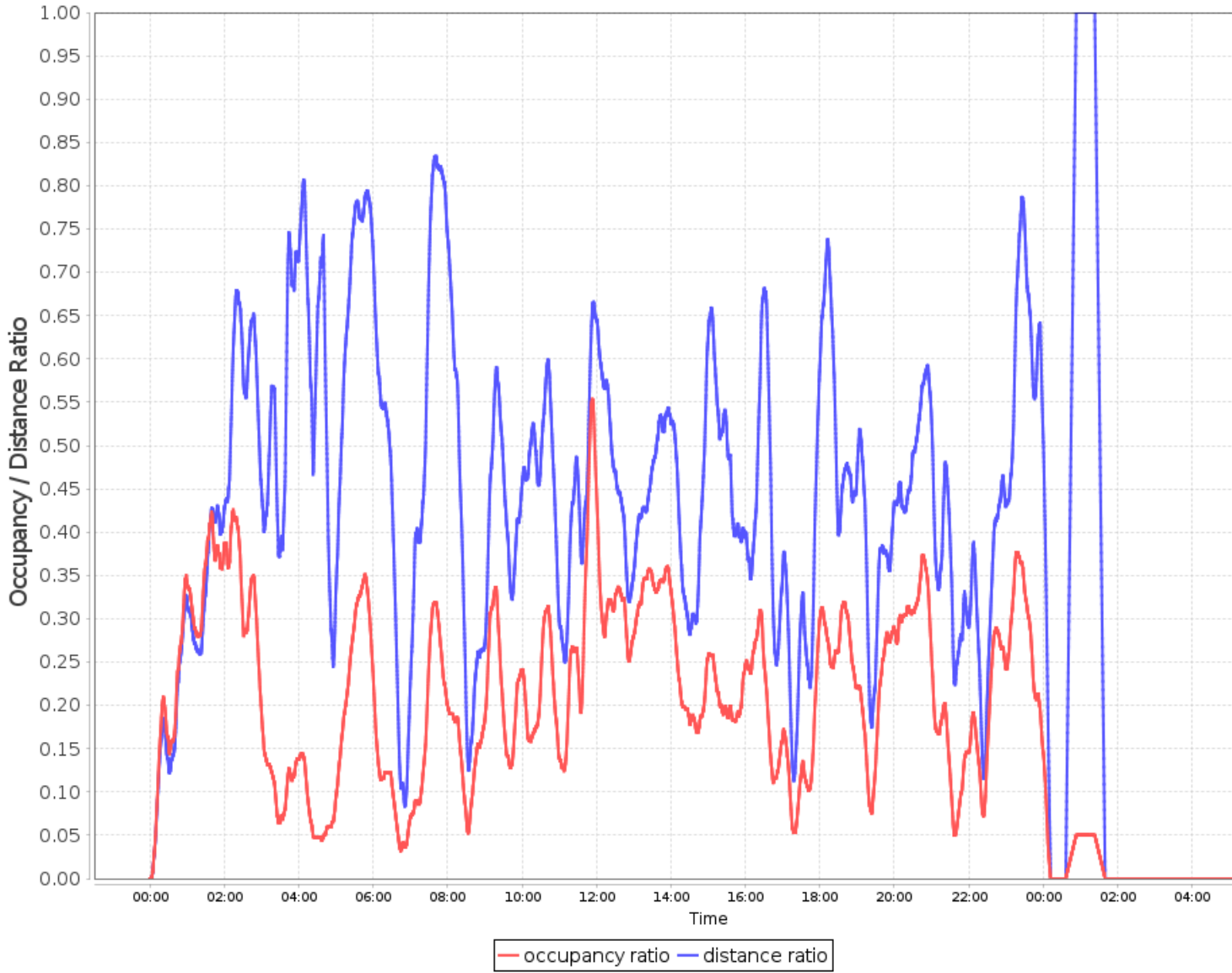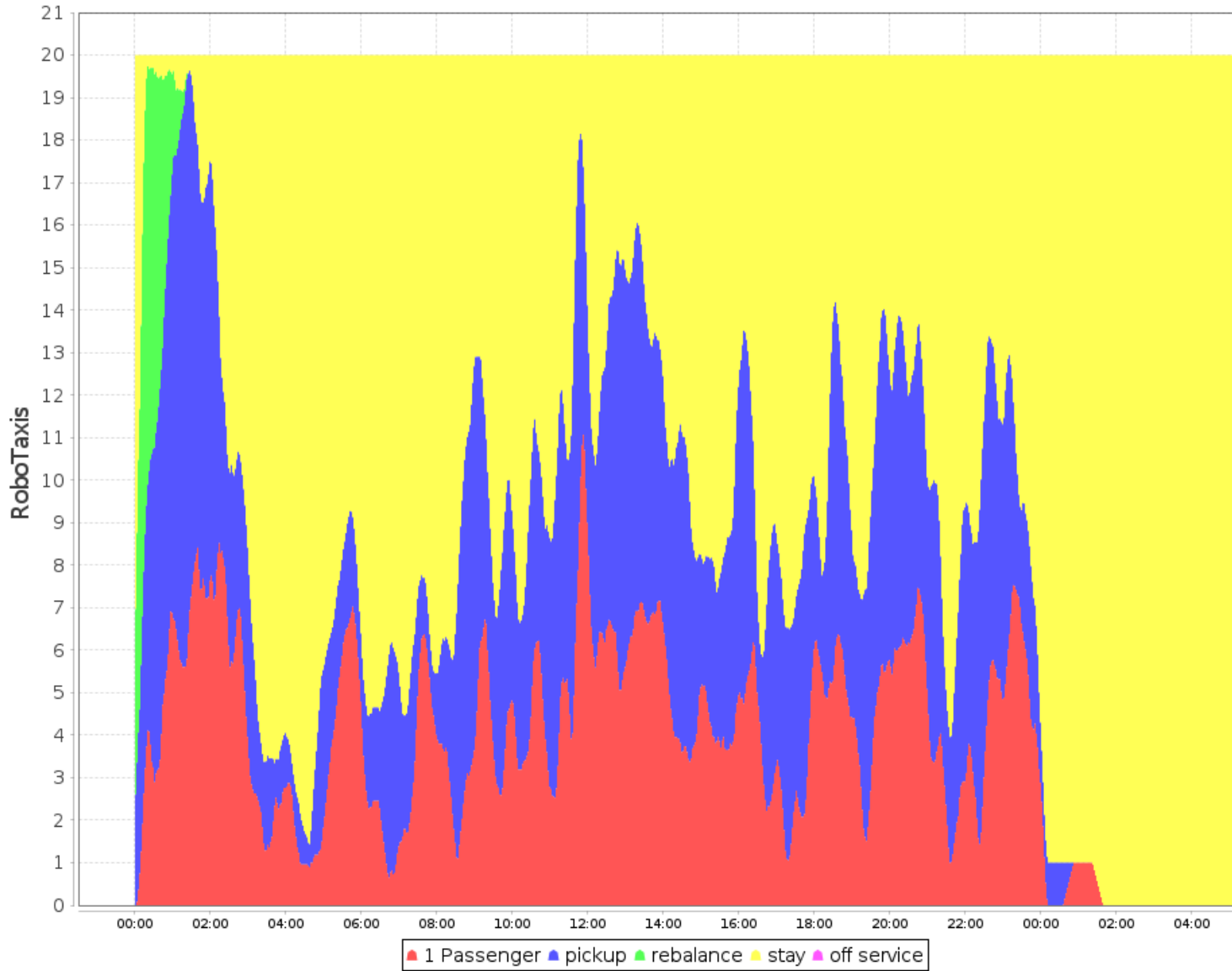
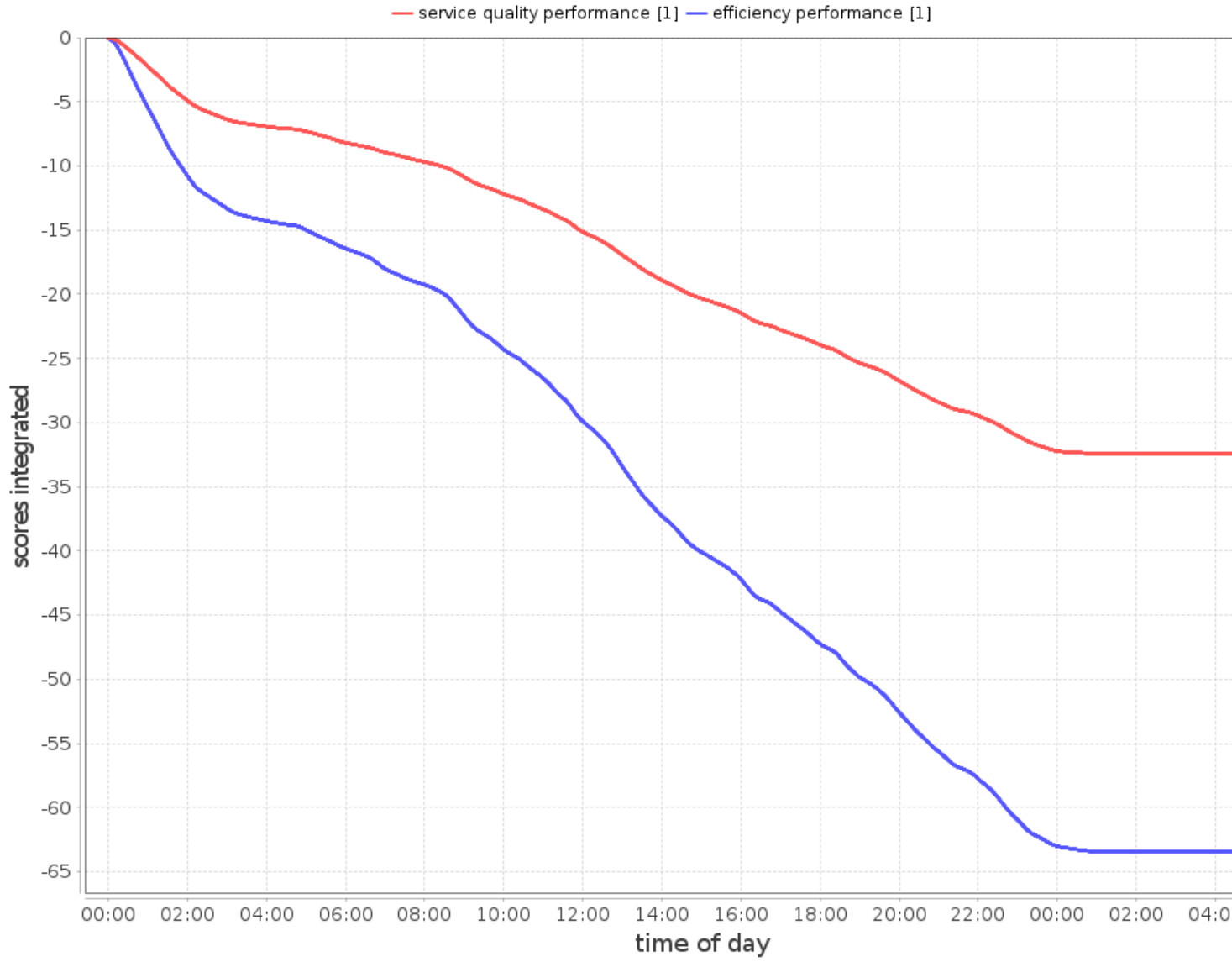## Ride Sharing Distribution, fraction of Requests

■ 1 Passengers

Aido Scores

Scores during Simulation

Service Quality and Efficiency Score Increments

Service Quality and Efficiency Score Integrated

— service quality performance [1] — efficiency performance [1]

Fleet Size Score Integrated
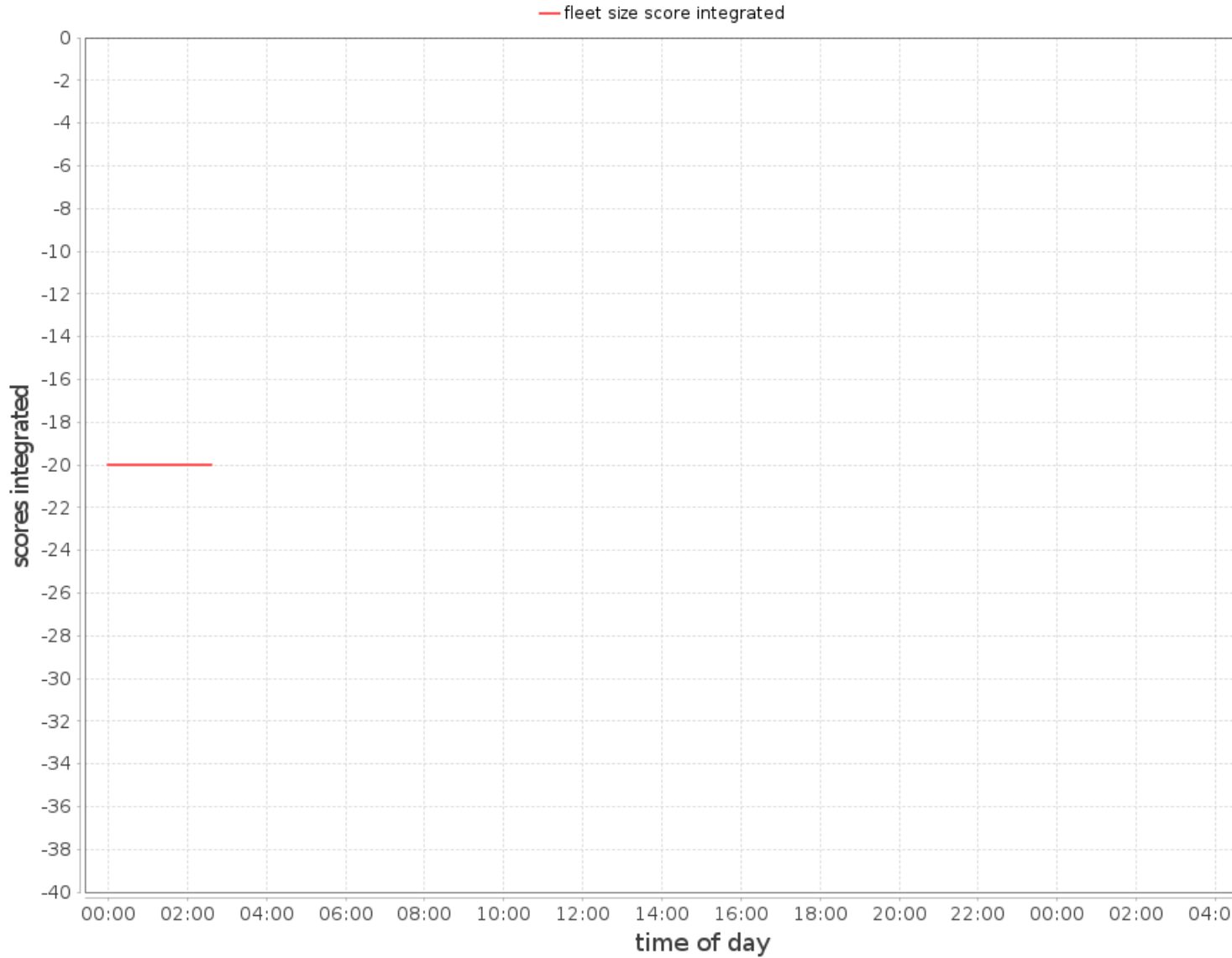
Final Scores

final service quality score:	-32.454032219716545
final efficiency score:	-63.446848878863456
final fleet size score:	-Infinity