AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2019/04/26 - 13:39:26
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:	43.91%
Occupancy Ratio:	17.86 %

Distances

Total:	18657.59 km
Rebalancing:	568.11 km (3.04%)
Pickup:	9897.16 km (53.05%)
With Customer:	8192.31 km (43.91%)

Average Trip Distance:	16.38 km

Total Distance Distribution

0.0   0.1   0.2   0.3   0.4   0.5   0.6   0.7   0.8   0.9   1.0

■ With Customer ■ Pickup ■ Rebalancing
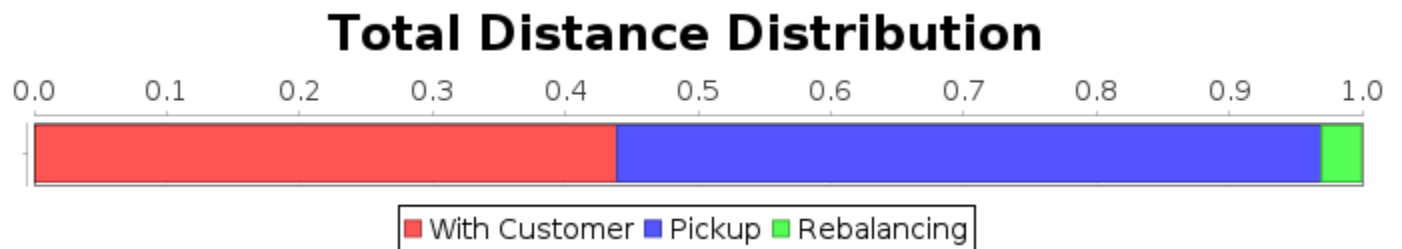
Wait Times

10.0% quantile	00:05:18
50.0% quantile	00:11:37
95.0% quantile	00:46:59
Mean	00:16:09
Maximum:	01:15:13

Number of Requests per Wait Time
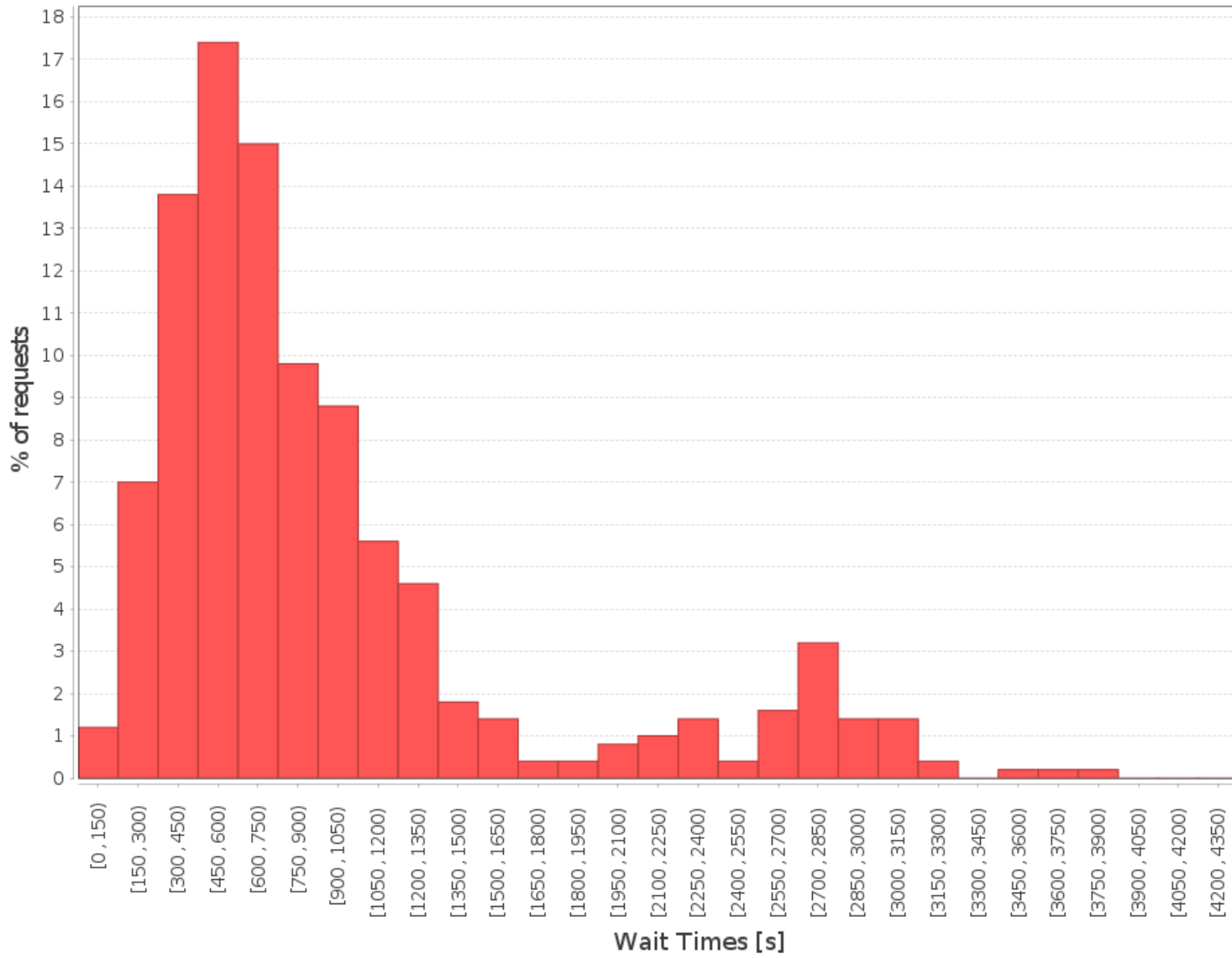
Binned Waiting Times
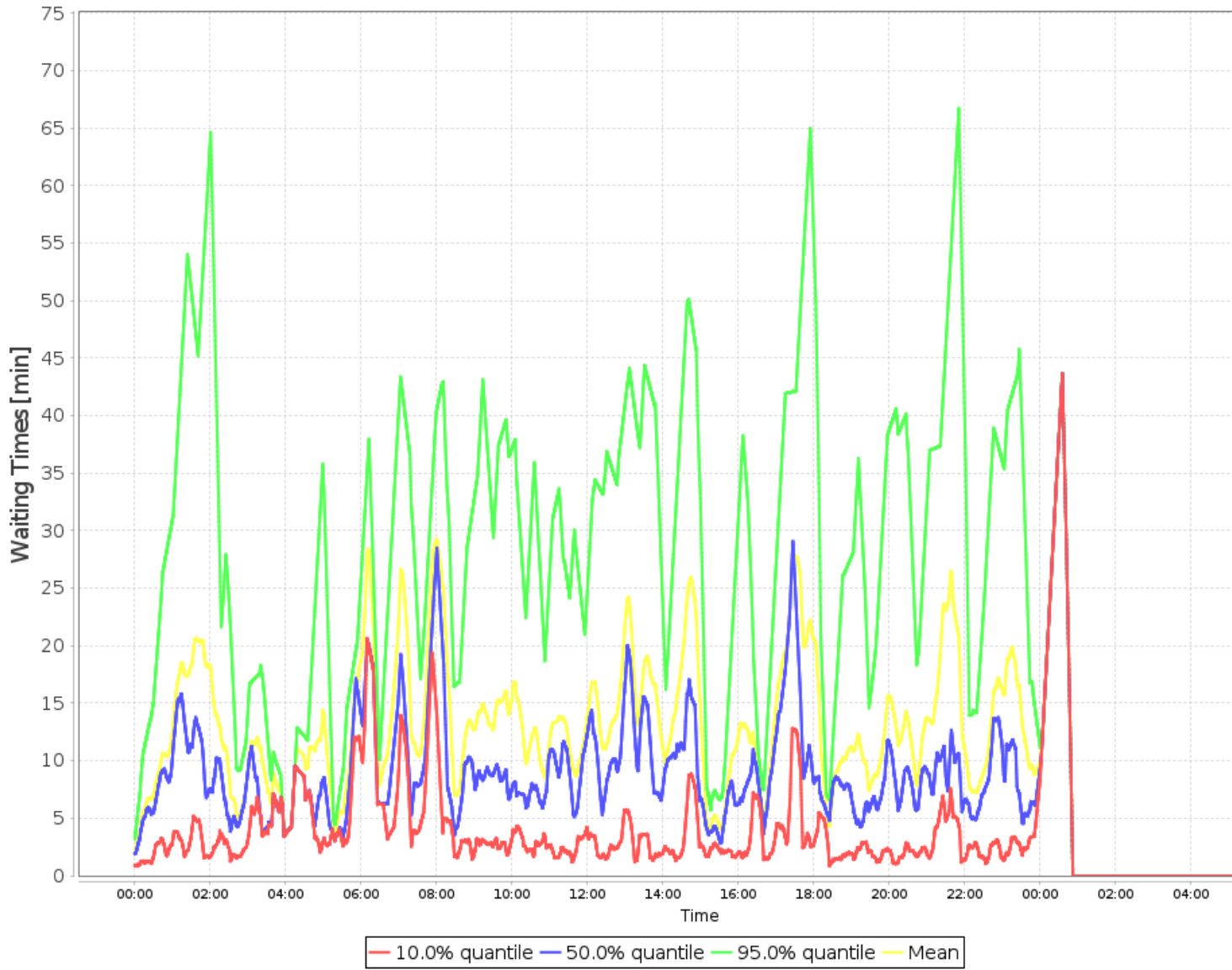
Waiting Customers per Day Time
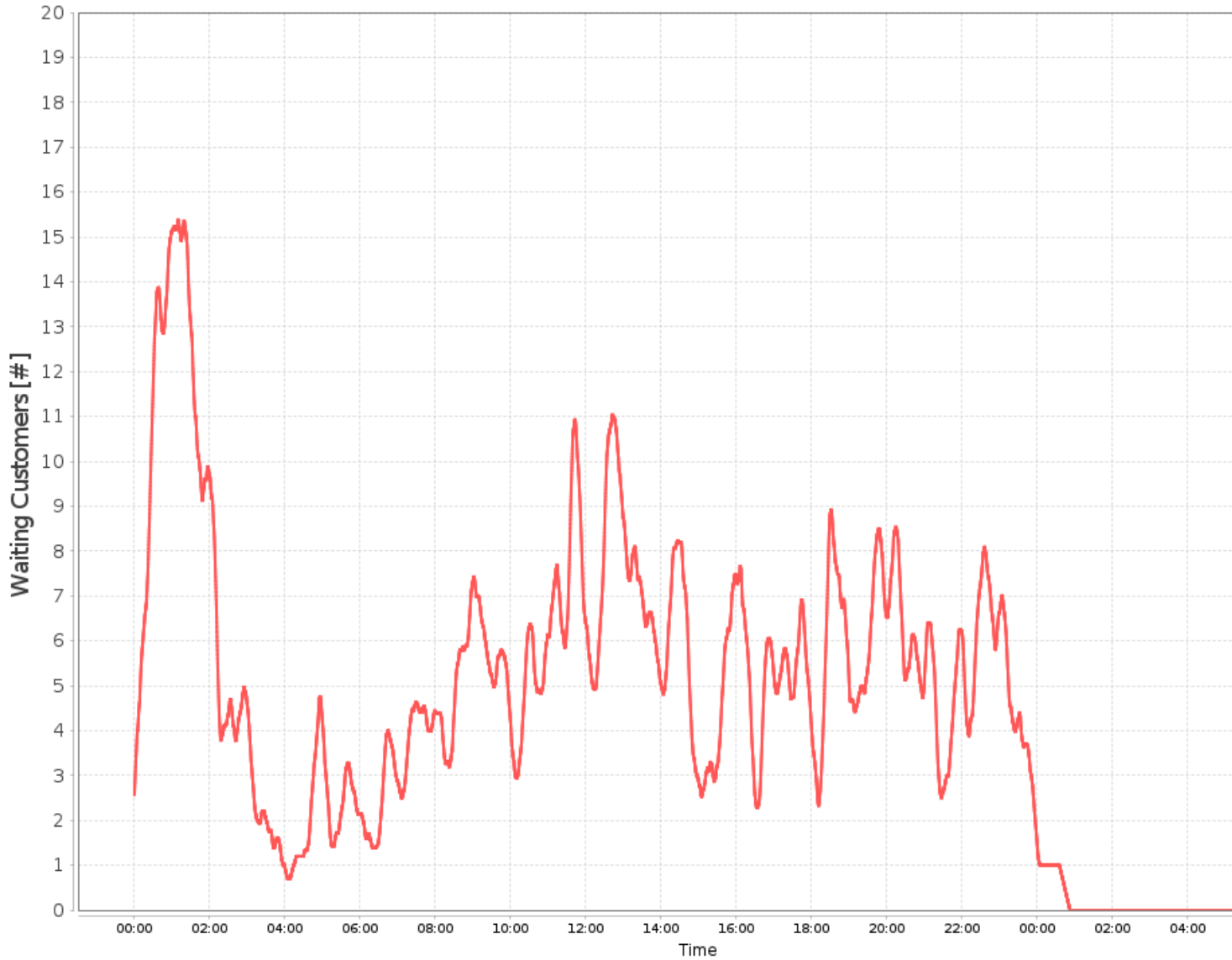
Drive Times

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
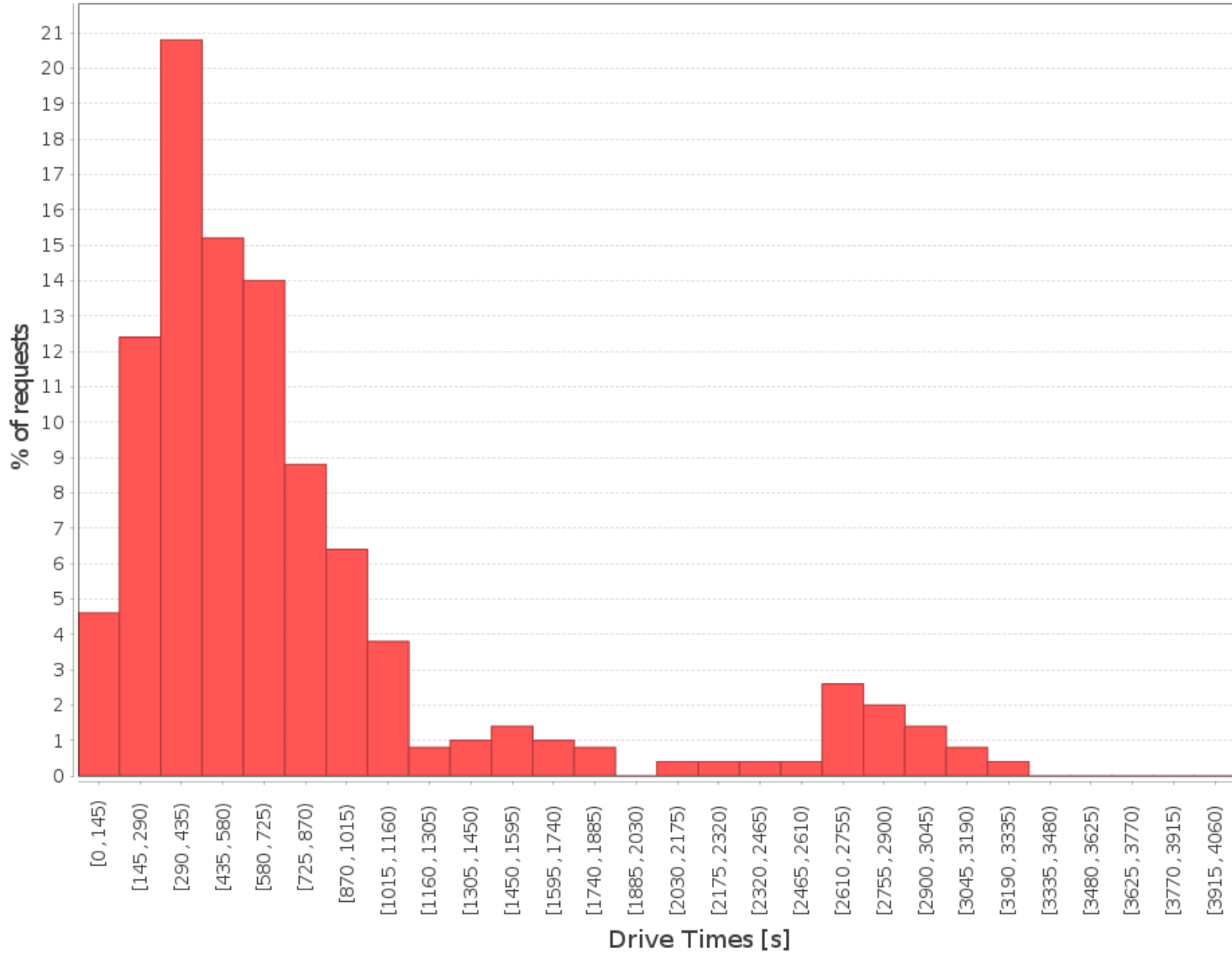
Total Journey Times

10.0% quantile	00:11:39
50.0% quantile	00:22:23
95.0% quantile	01:15:25
Mean	00:29:00
Maximum:	01:40:53

Number of Requests per Total Journey Time

% of requests

Total Journey Times [s]
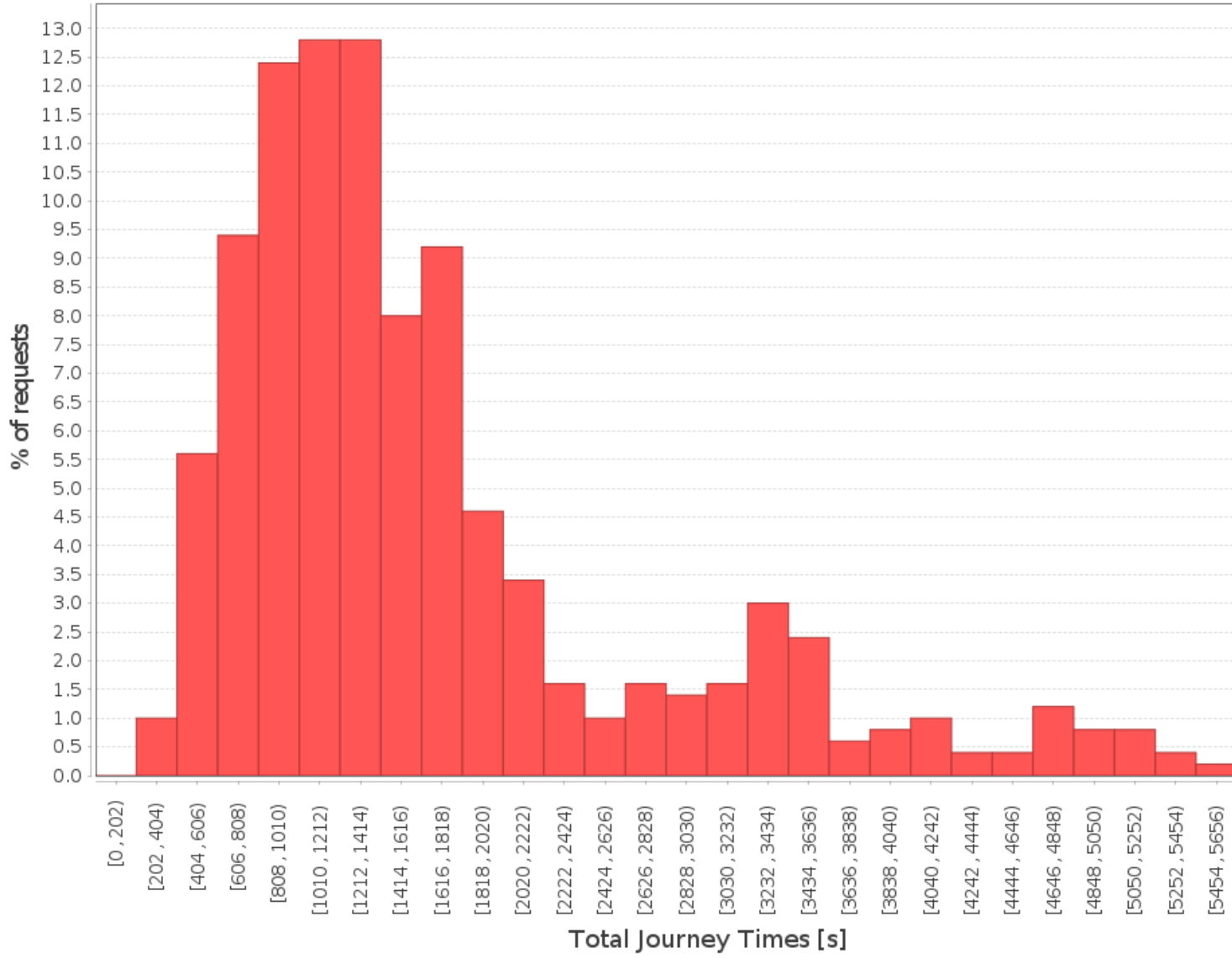
Fleet Efficiency

Distance Distribution over Day
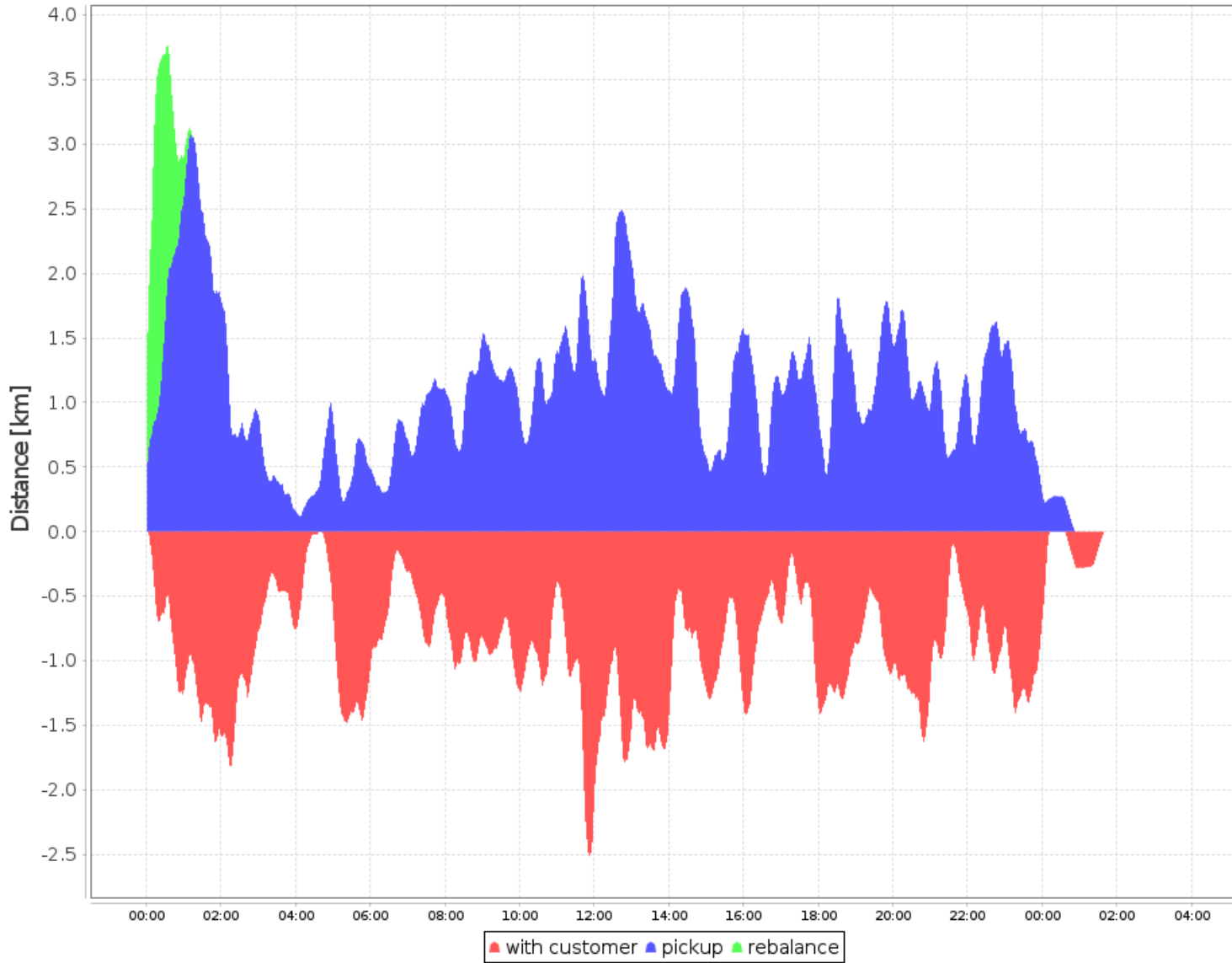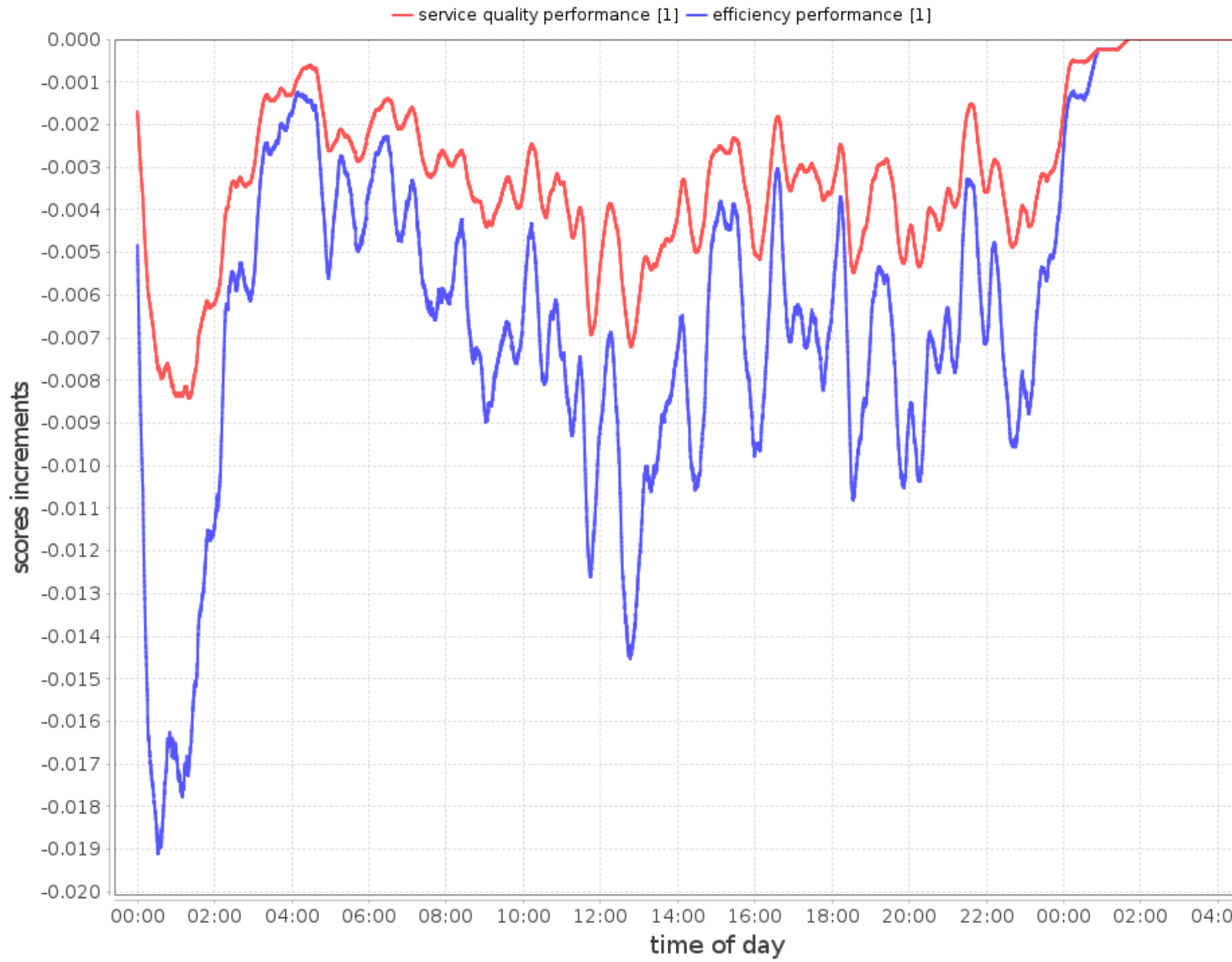
Occupancy and Distance Ratios

Number Passengers

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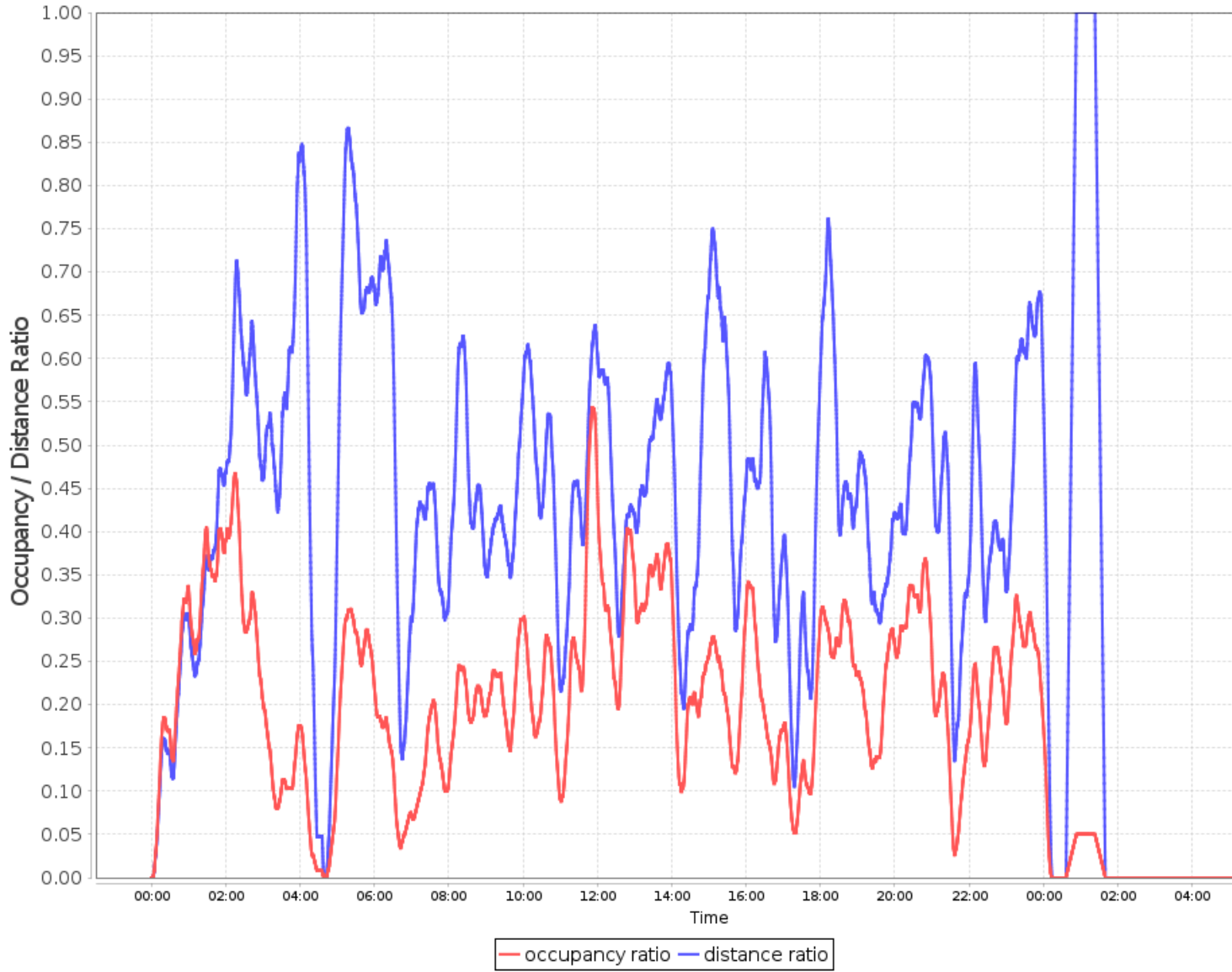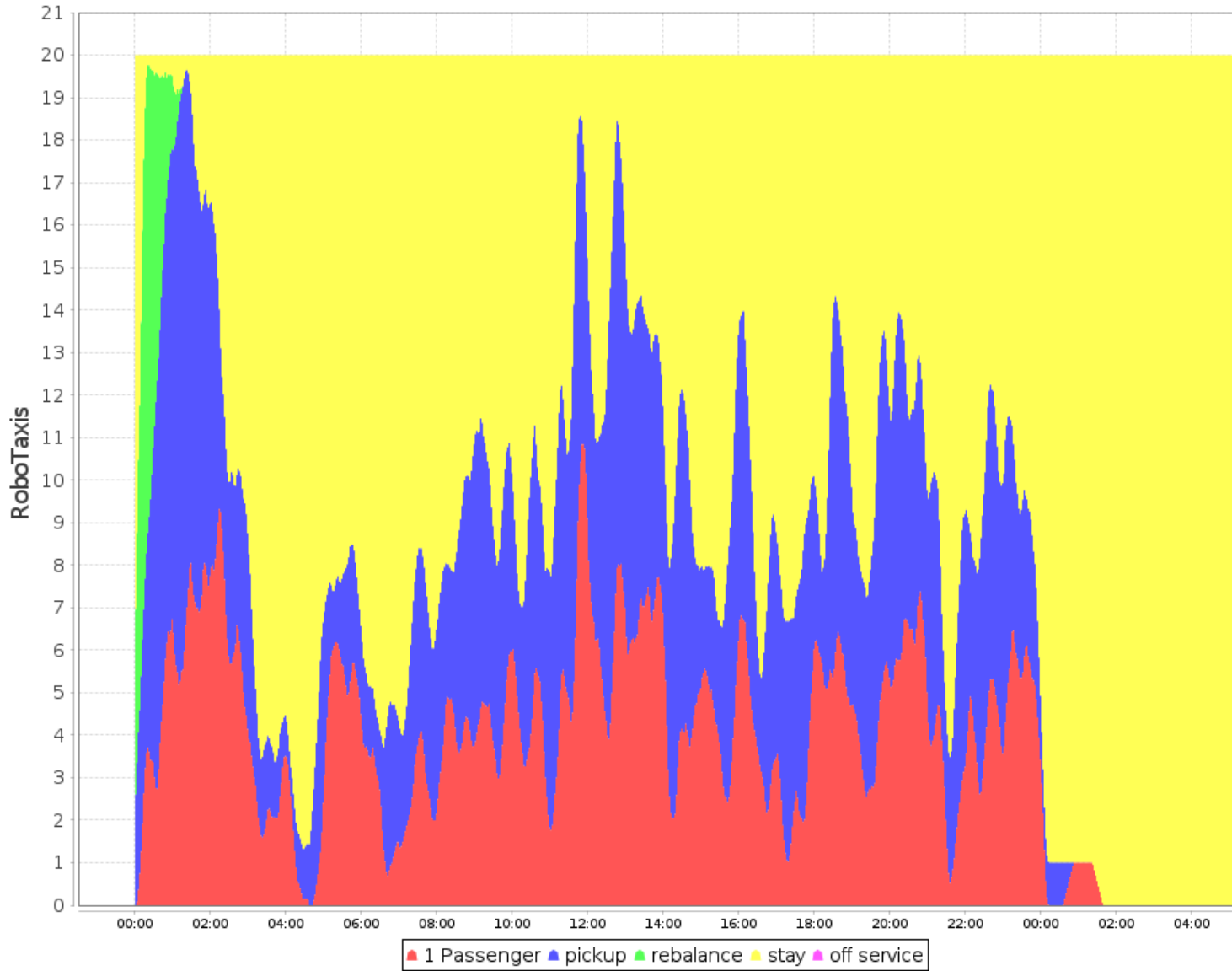
Ride Sharing Distribution, fraction of Requests

| 1 Passengers

Aido Scores

Scores during Simulation

Service Quality and Efficiency Score Increments

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

Service Quality and Efficiency Score Integrated

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

scores integrated

time of day

Fleet Size Score Integrated
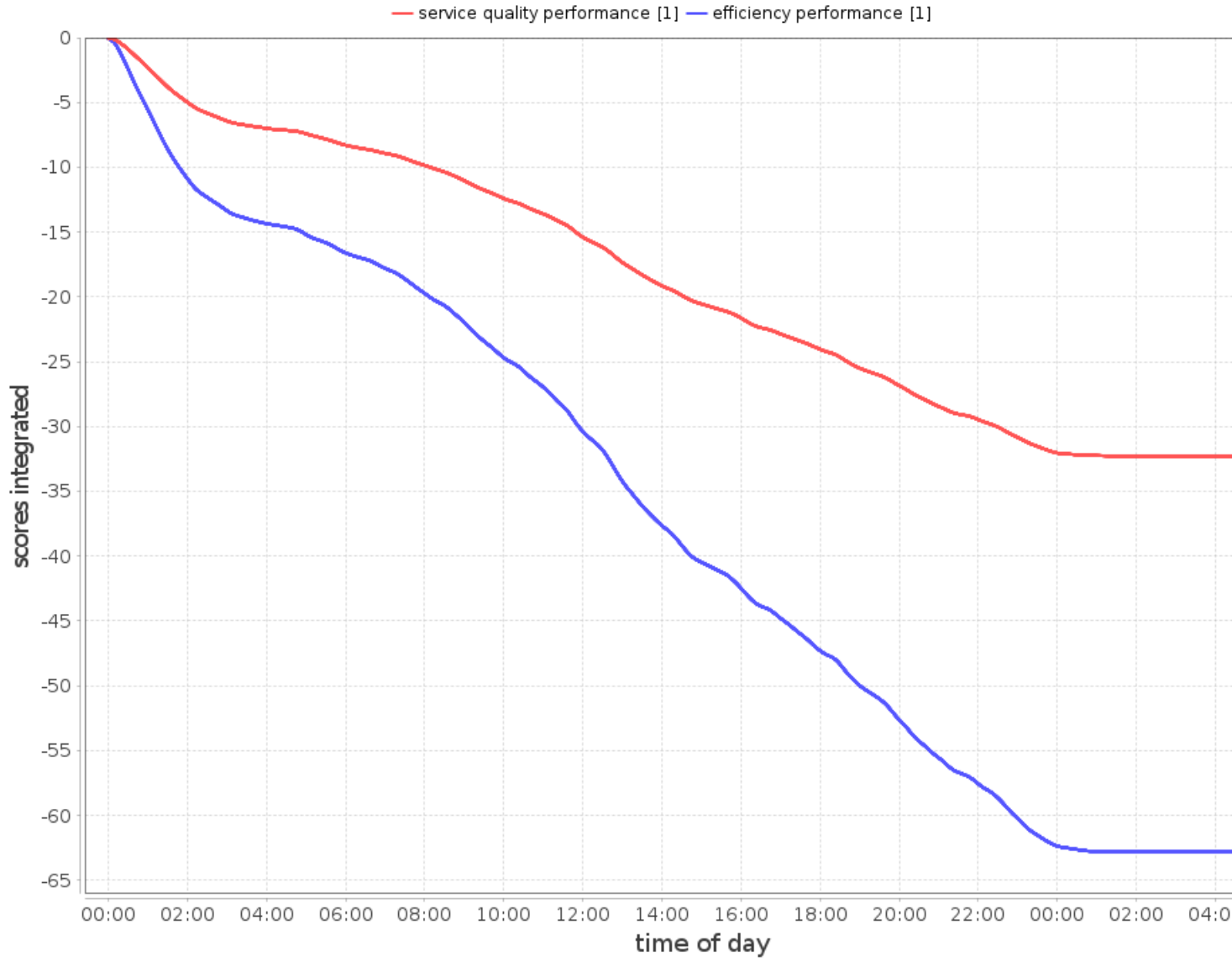
— fleet size score integrated
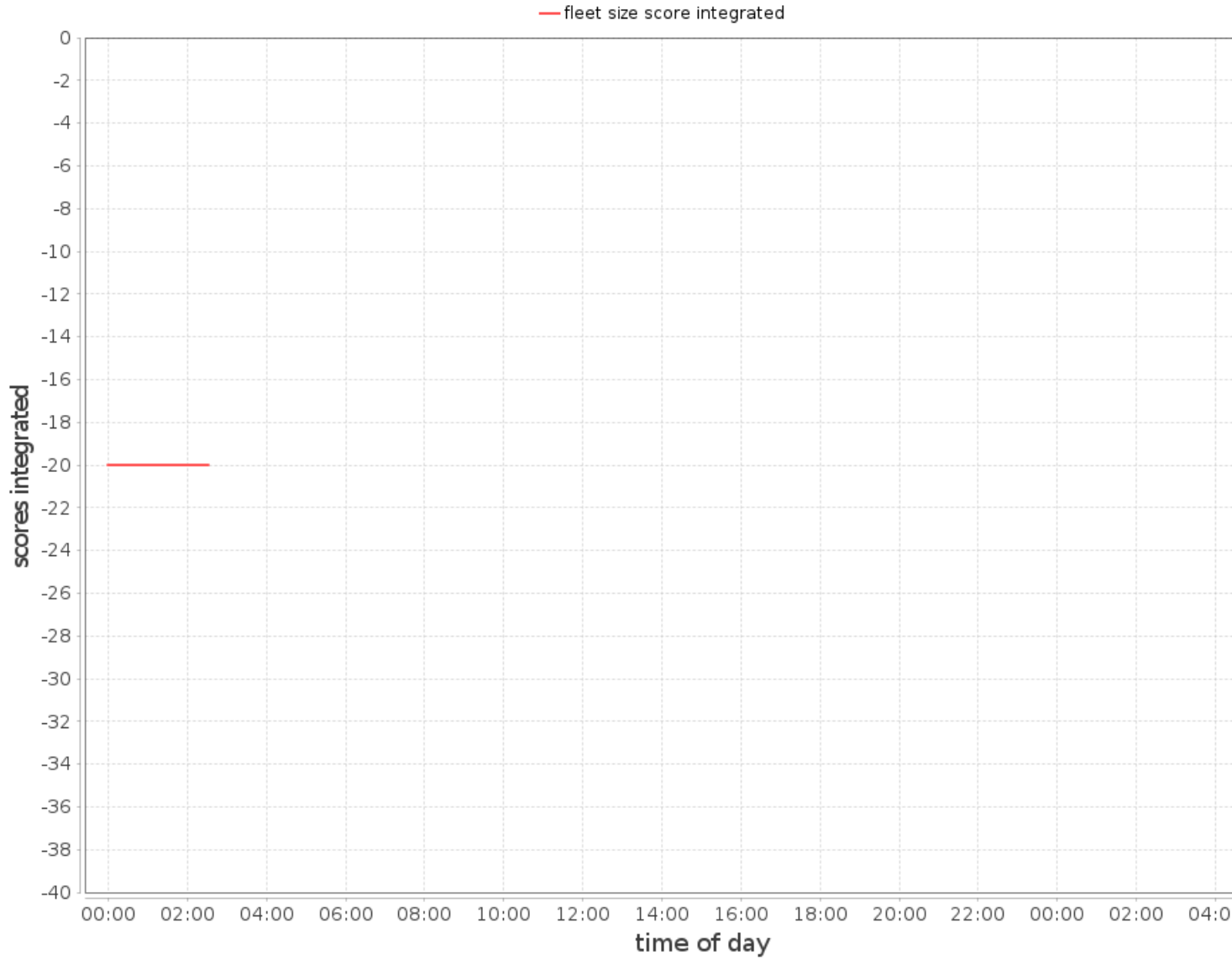
Final Scores

final service quality score:	-32.28352282401266
final efficiency score:	-62.80661129604817
final fleet size score:	-Infinity