AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2019/04/26 - 12:37:32

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:	43.47%
Occupancy Ratio:	17.86 %

Distances

Total:	18858.43 km
Rebalancing:	830.98 km (4.41%)
Pickup:	9830.61 km (52.13%)
With Customer:	8196.84 km (43.47%)

Average Trip Distance:	16.39 km

Total Distance Distribution

With Customer ■ Pickup ■ Rebalancing
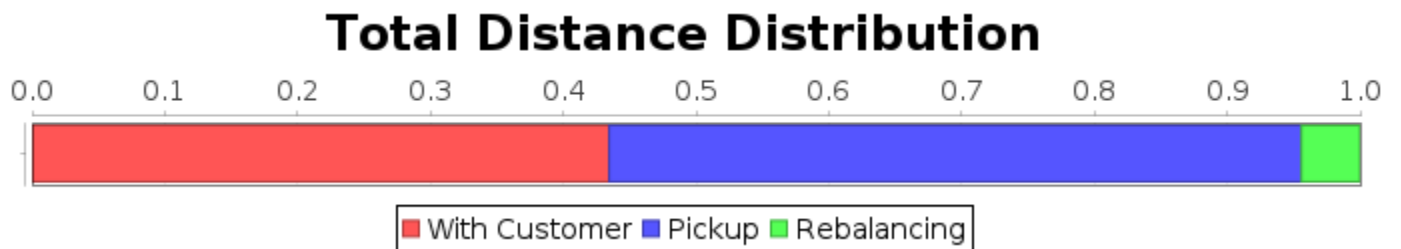
Wait Times

10.0% quantile	00:05:03
50.0% quantile	00:11:56
95.0% quantile	00:47:41
Mean	00:16:03
Maximum:	01:18:59

Number of Requests per Wait Time

% of requests

Wait Times [s]
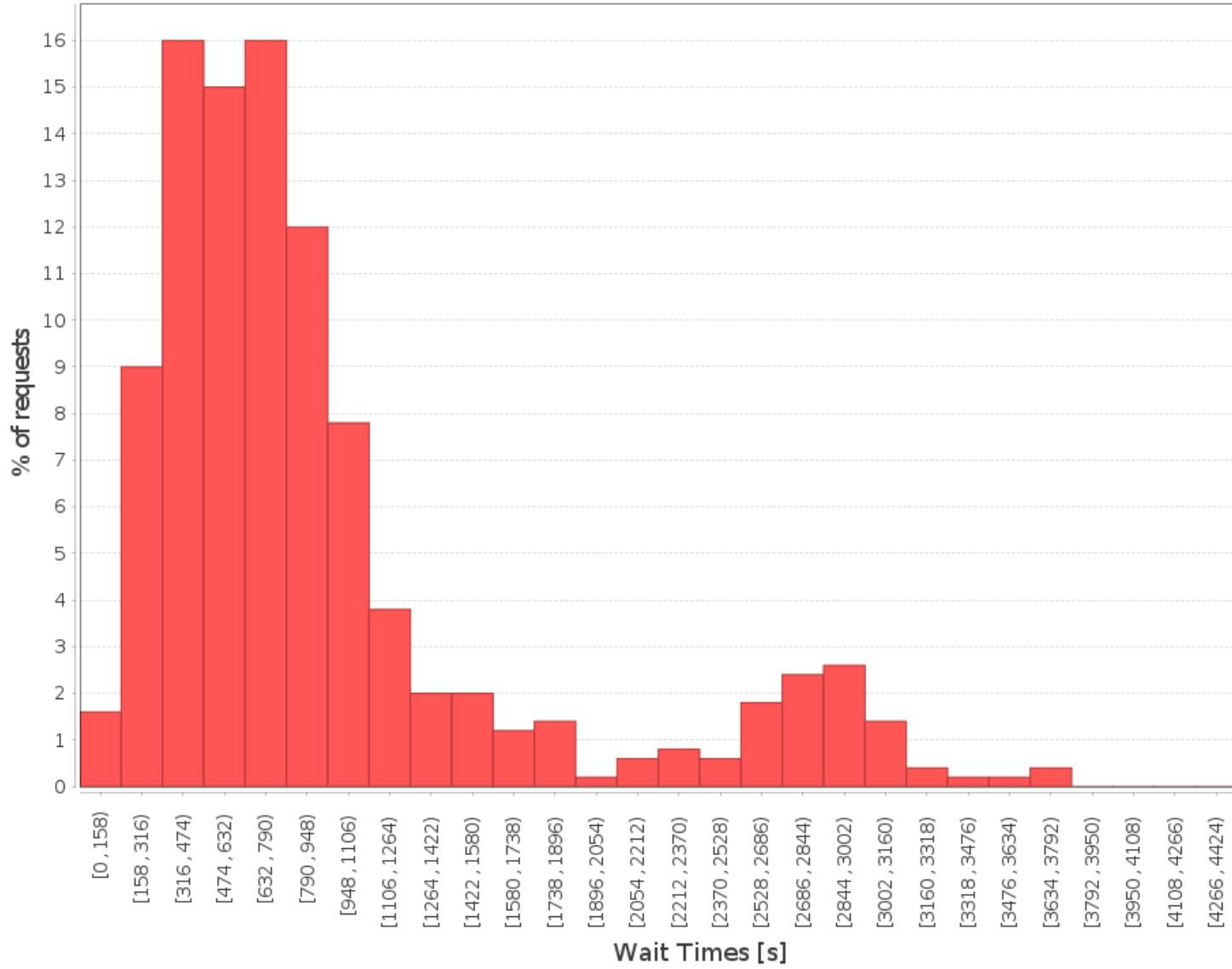
Binned Waiting Times
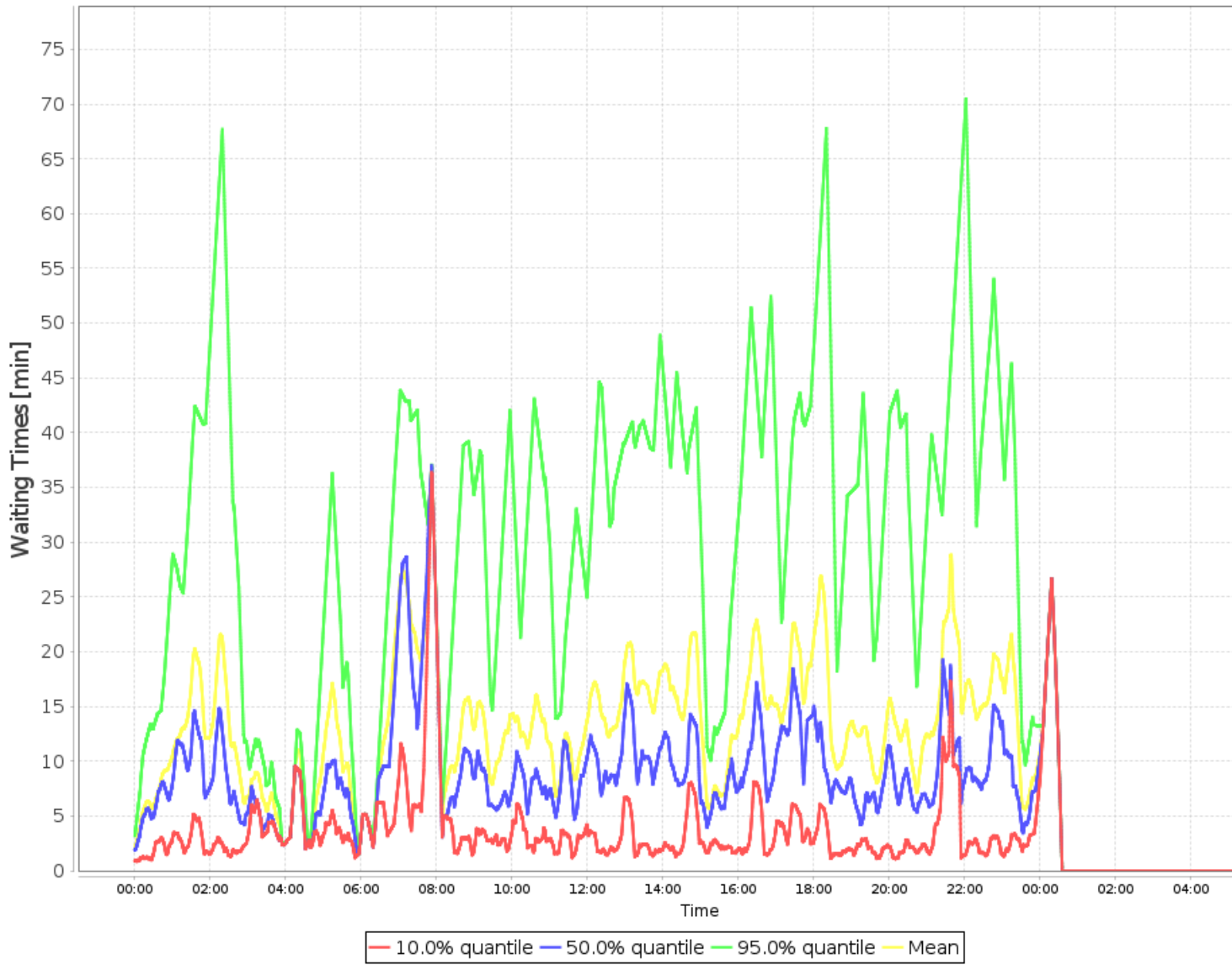
Waiting Customers per Day Time
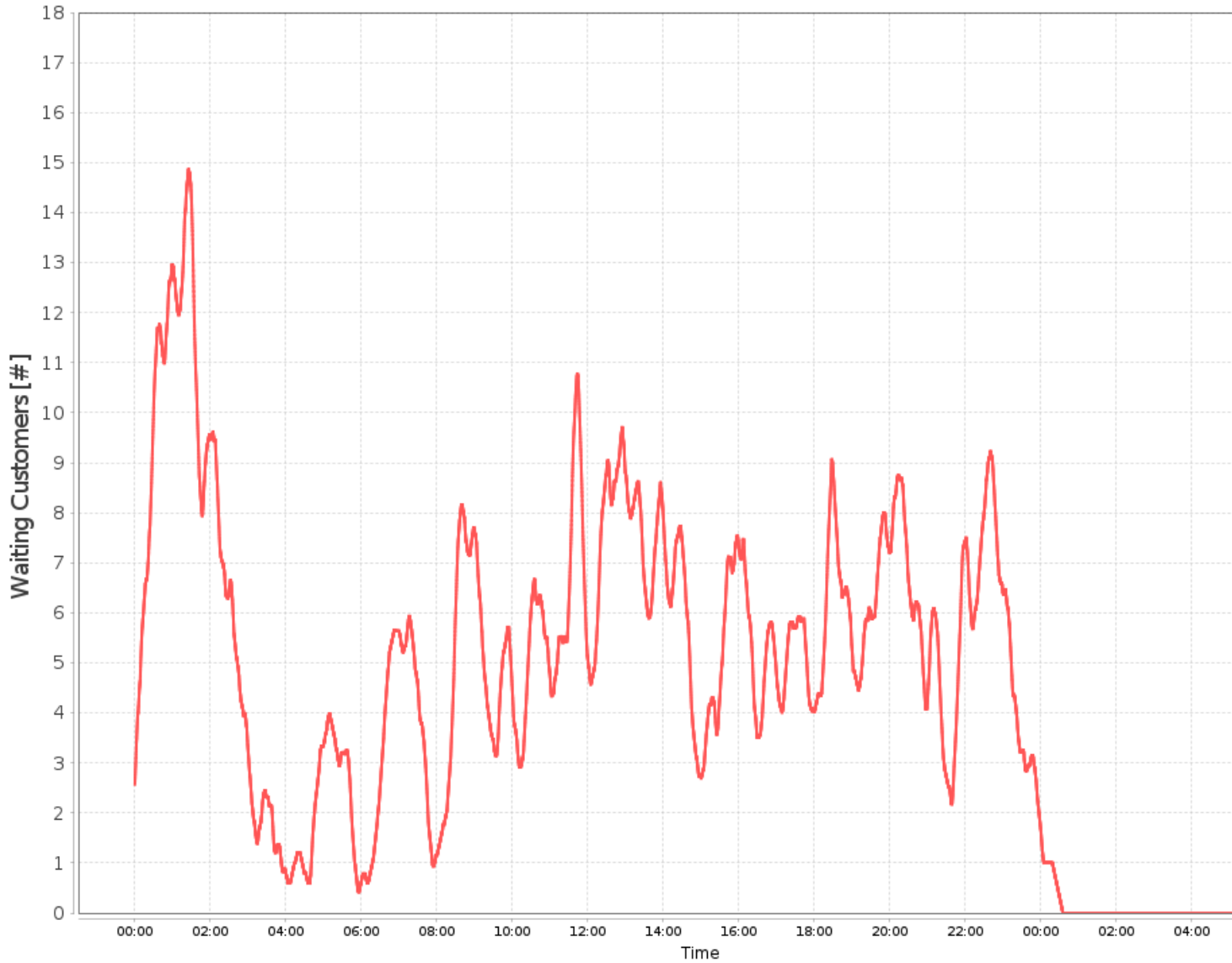
Drive Times

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
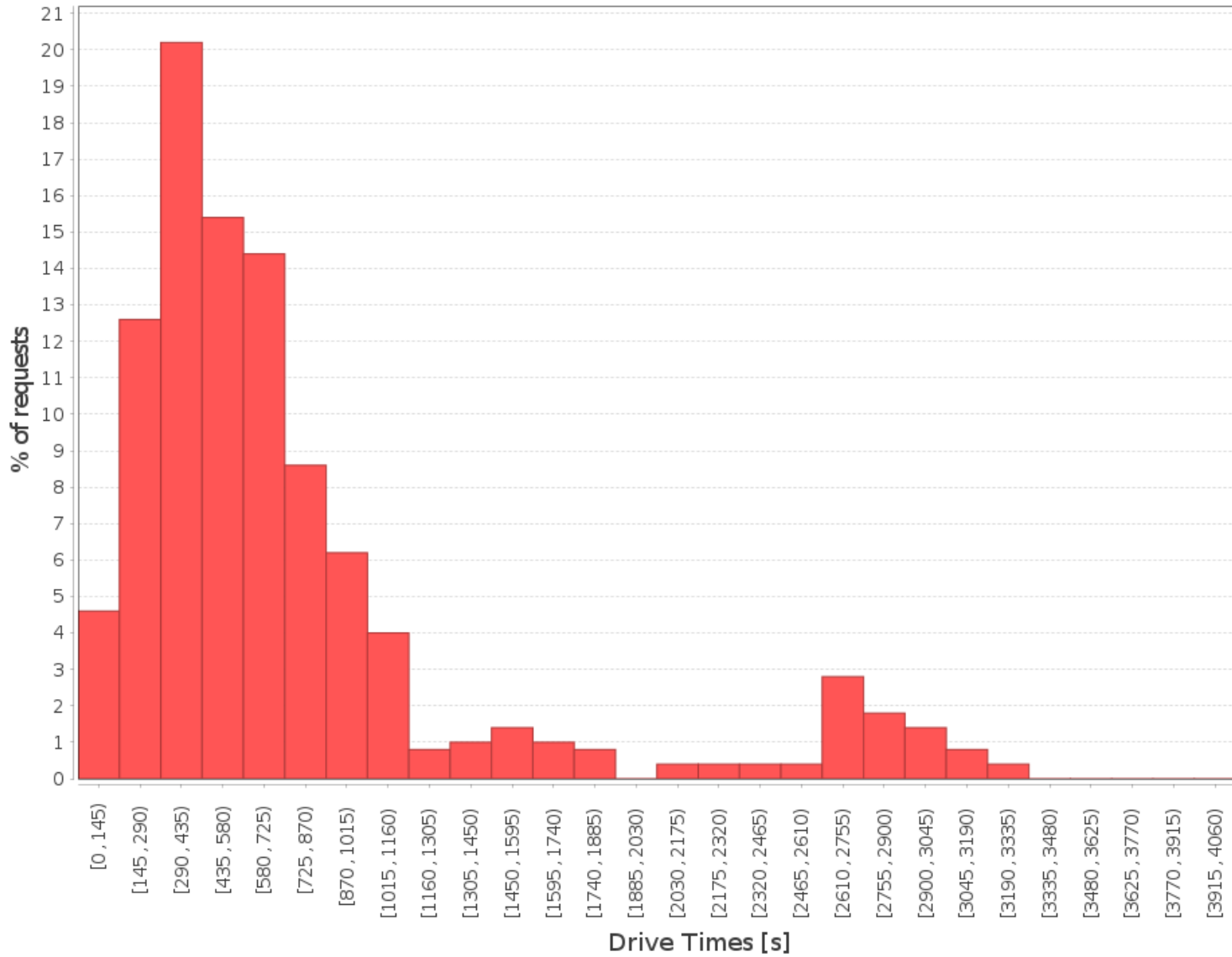
Total Journey Times

10.0% quantile	00:11:40
50.0% quantile	00:21:47
95.0% quantile	01:21:21
Mean	00:28:55
Maximum:	01:59:06

Number of Requests per Total Journey Time
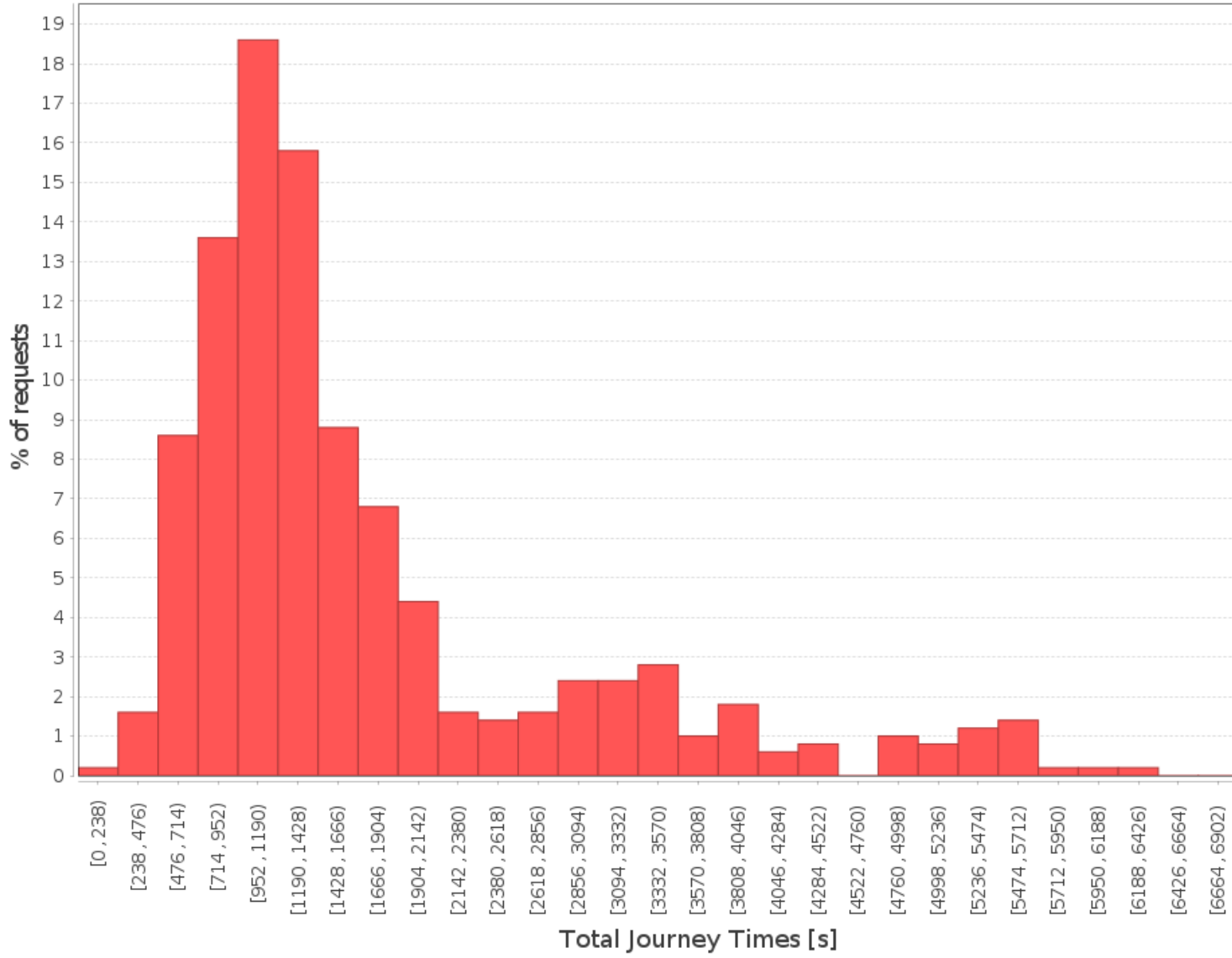
Fleet Efficiency

Distance Distribution over Day

Distance [km] vs time of day. Legend: with customer (red), pickup (blue), rebalance (green).
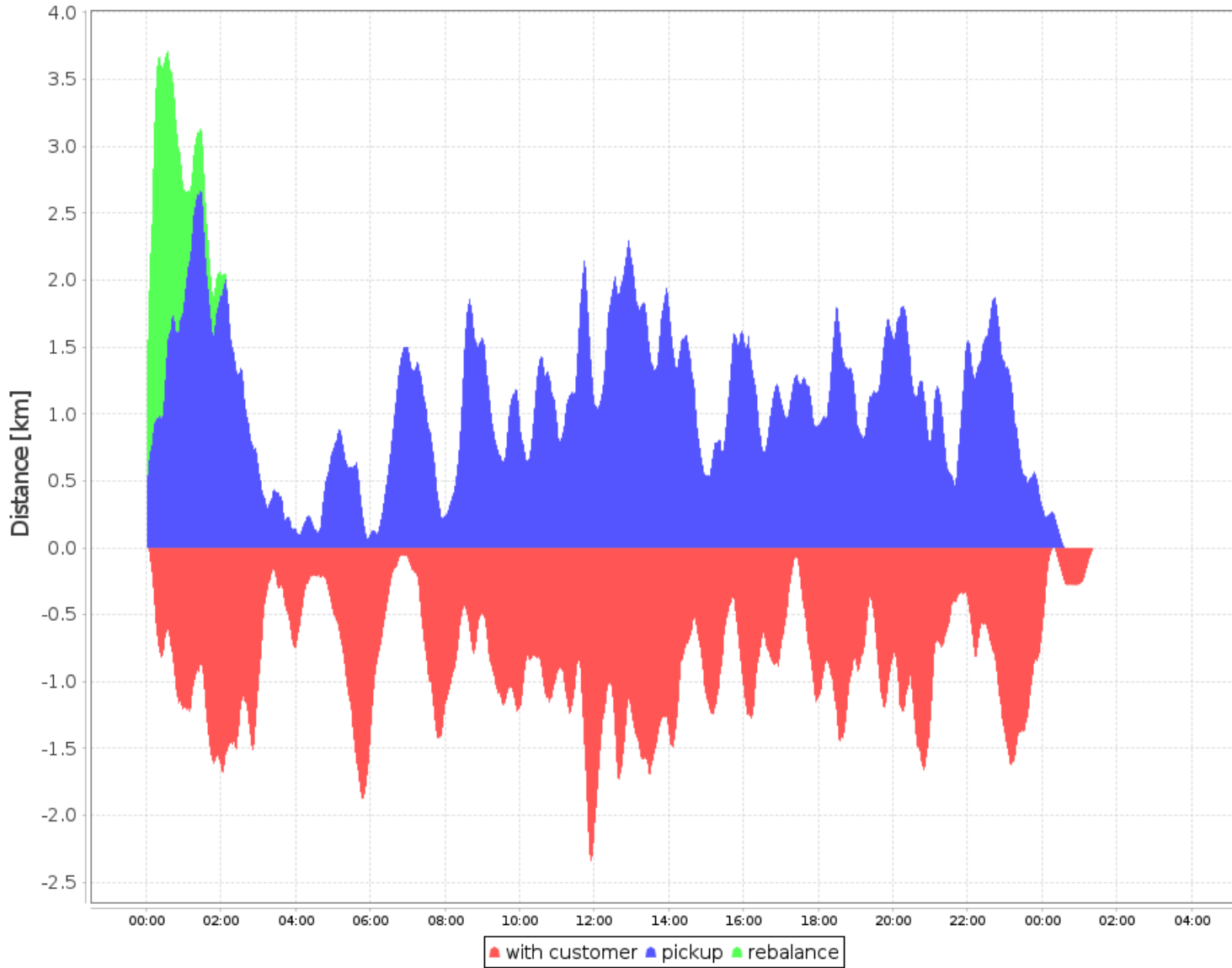
Occupancy and Distance Ratios

Number Passengers

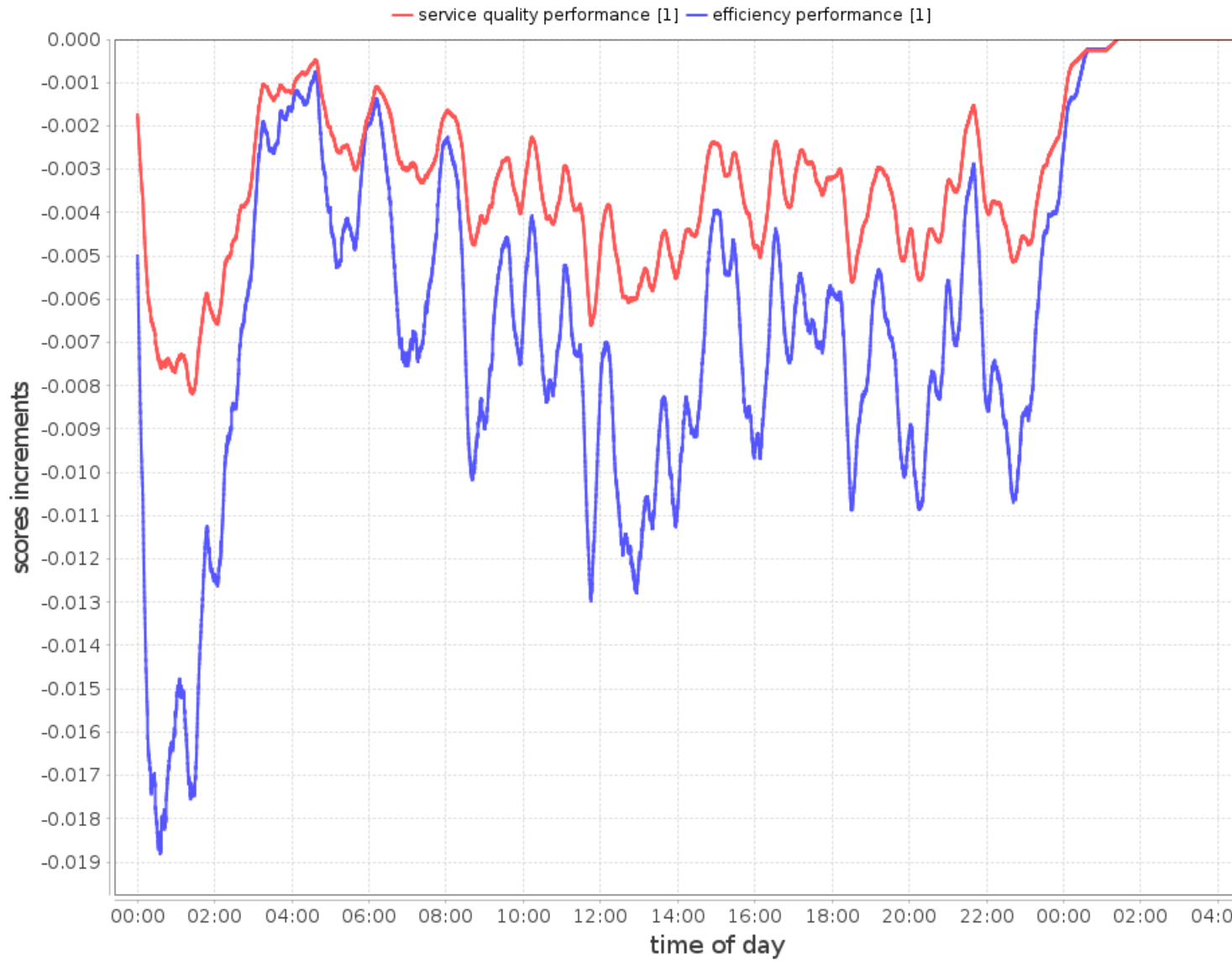Legend: ▲ 1 Passenger ▲ pickup ▲ rebalance ▲ stay ▲ off service
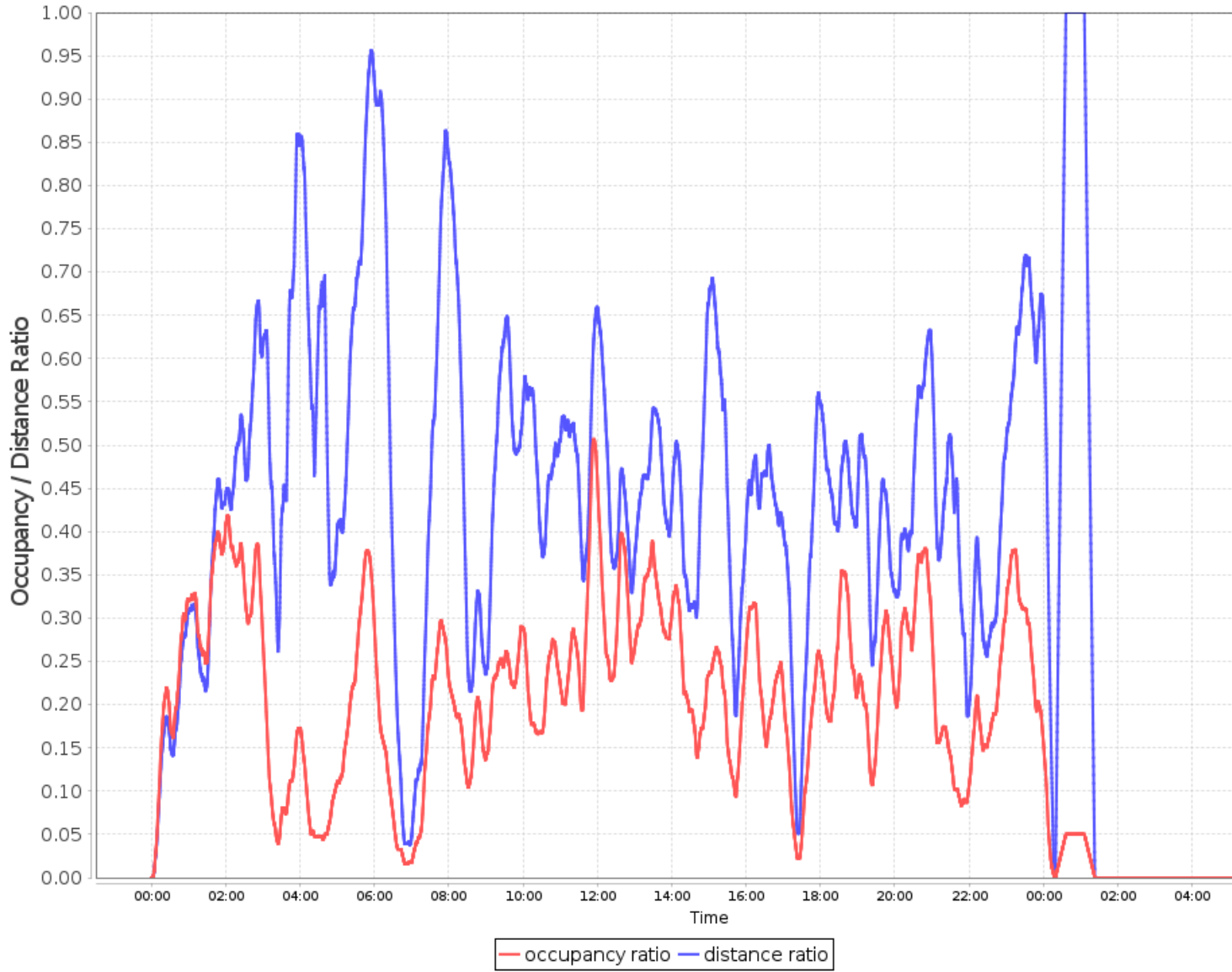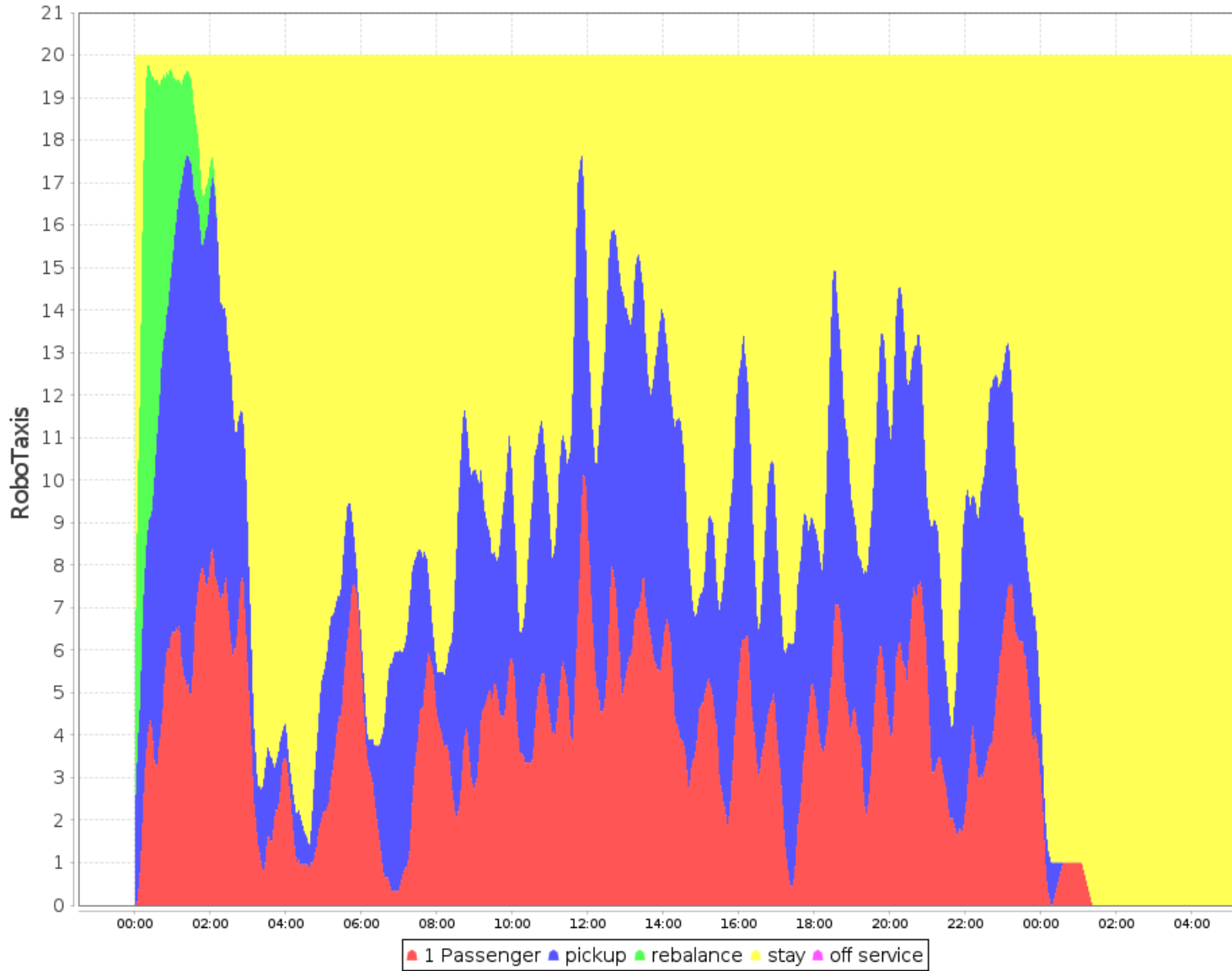
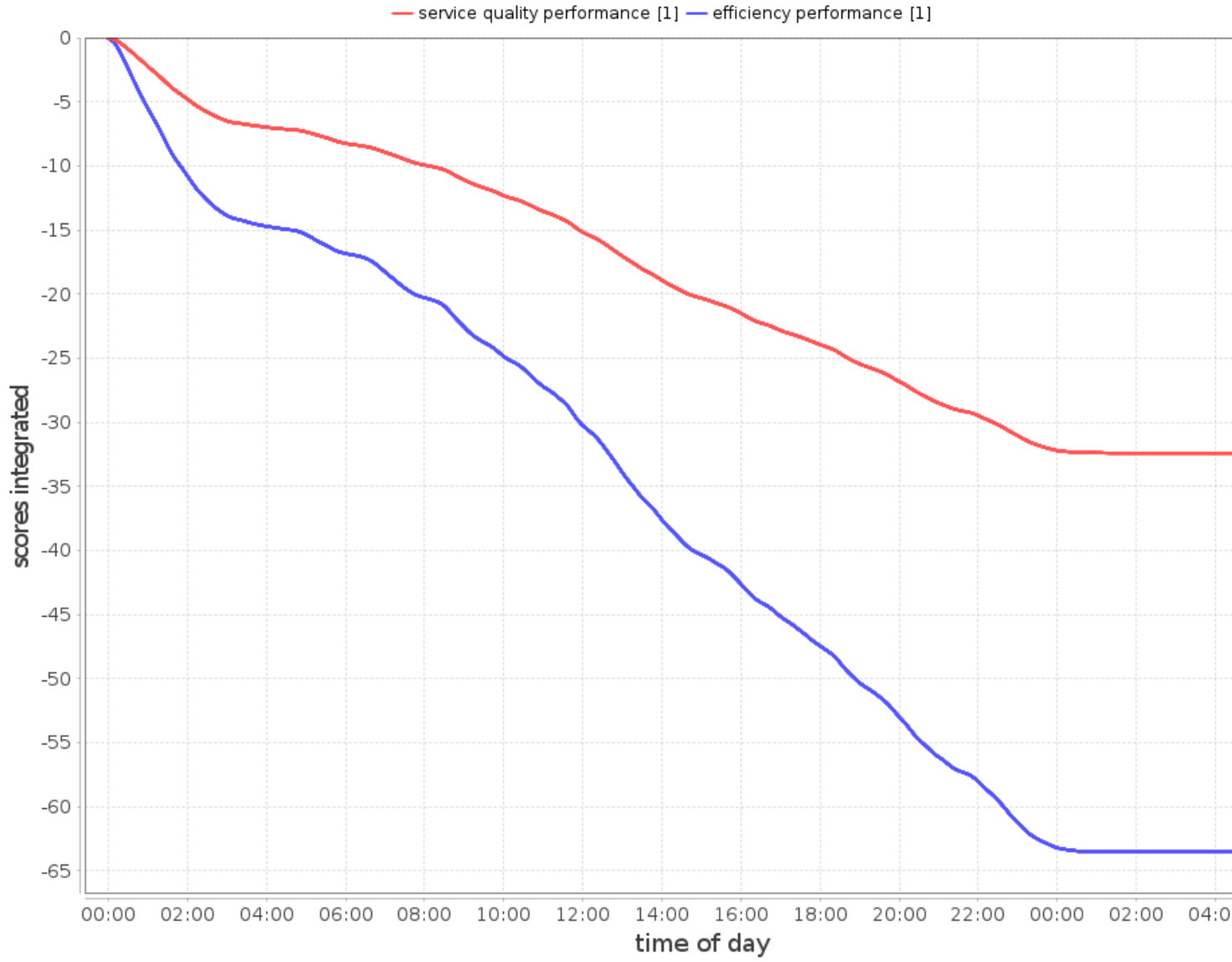## Ride Sharing Distribution, fraction of Requests

■ 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

— fleet size score integrated
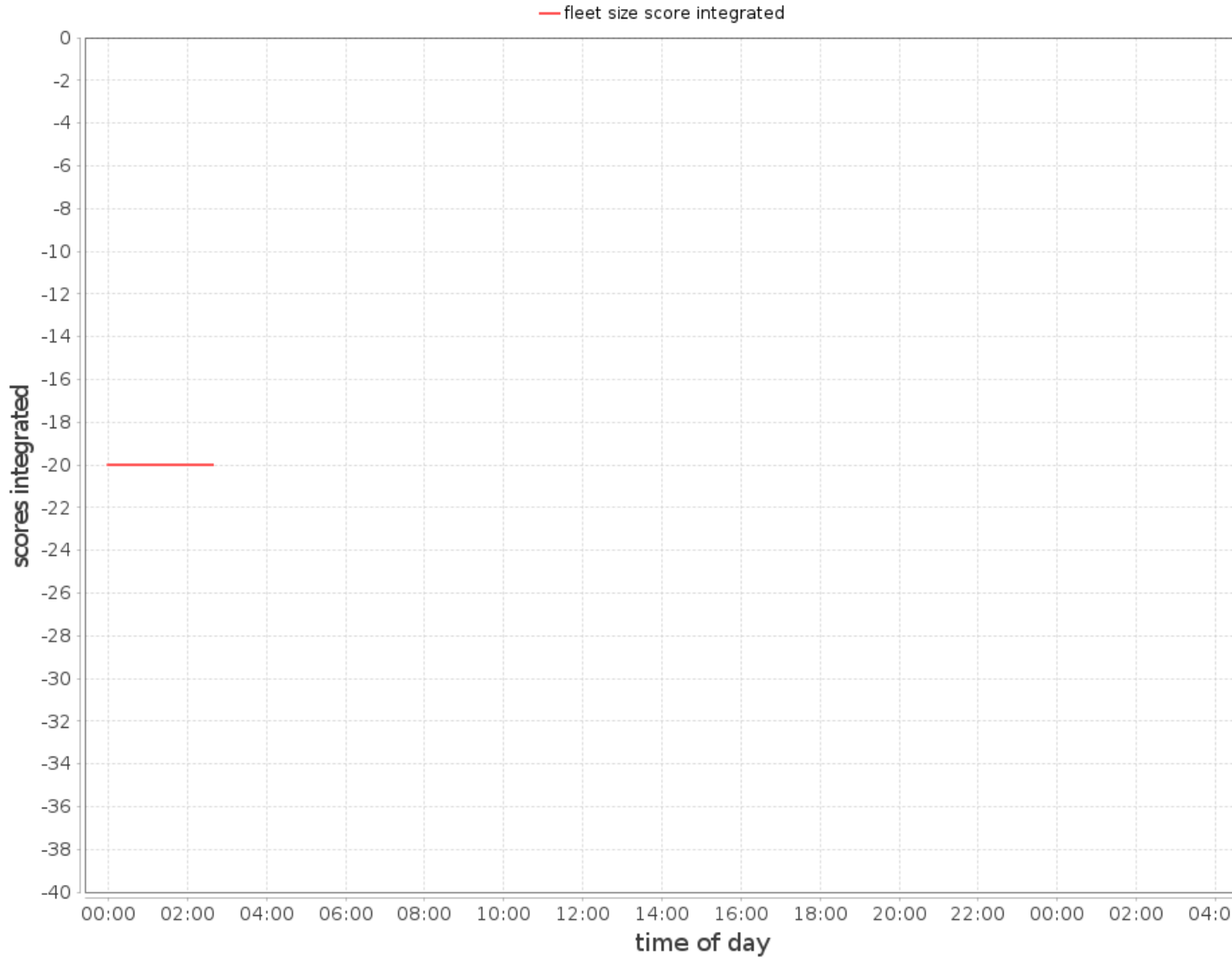
Final Scores

final service quality score:	-32.41278753350997
final efficiency score:	-63.52735013403736
final fleet size score:	-Infinity