AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2019/04/24 - 09:21:38

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:	43.68%
Occupancy Ratio:	17.87 %

Distances

Total:	18769.56 km
Rebalancing:	654.68 km (3.49%)
Pickup:	9916.13 km (52.83%)
With Customer:	8198.75 km (43.68%)

Average Trip Distance:	16.40 km

Total Distance Distribution

With Customer | Pickup | Rebalancing
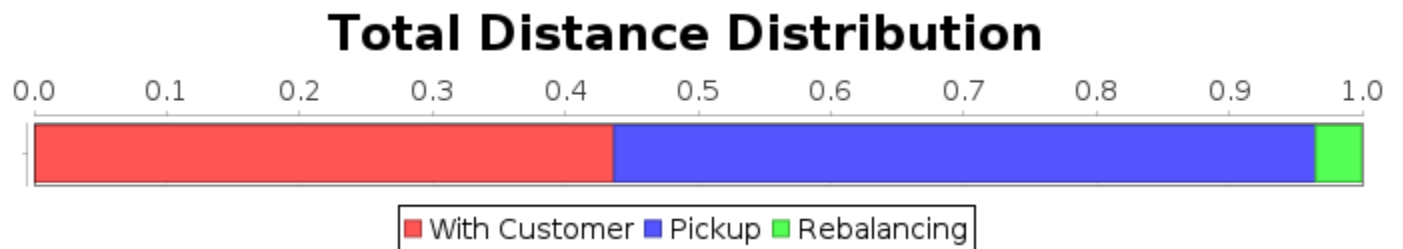
Wait Times

10.0% quantile	00:05:04
50.0% quantile	00:12:17
95.0% quantile	00:47:50
Mean	00:16:20
Maximum:	01:18:59

Number of Requests per Wait Time

Binned Waiting Times

Legend: 10.0% quantile — 50.0% quantile — 95.0% quantile — Mean
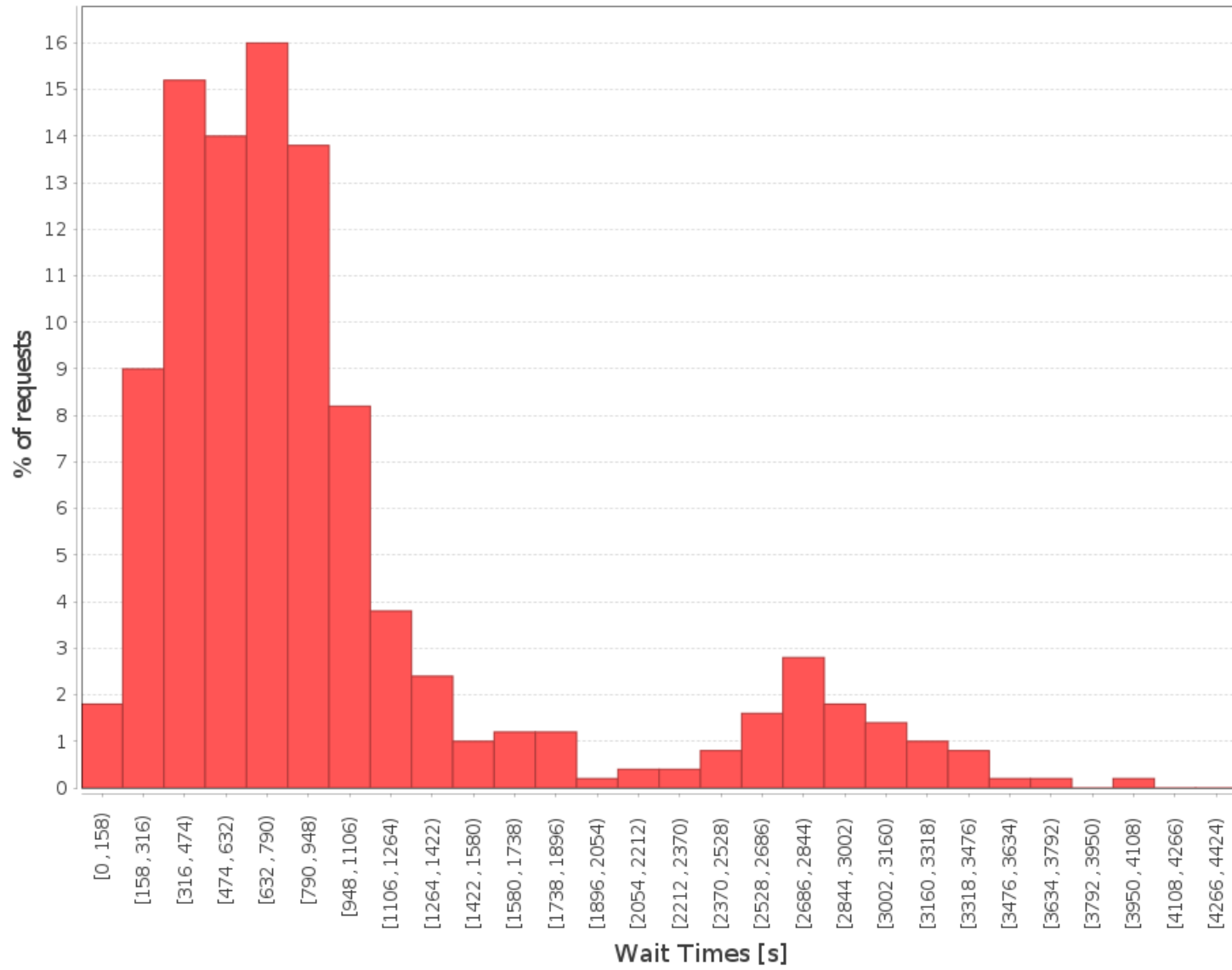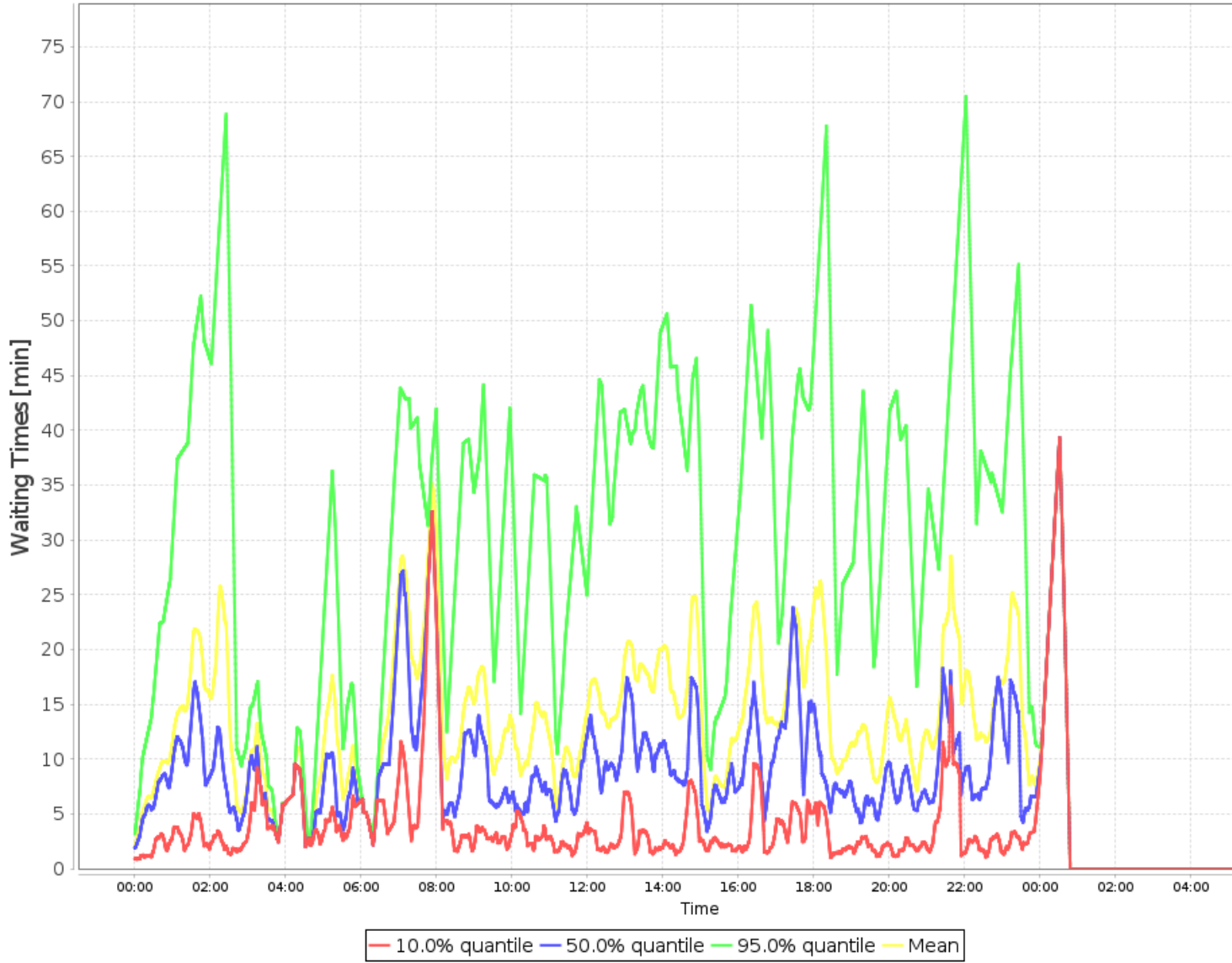
Waiting Customers per Day Time
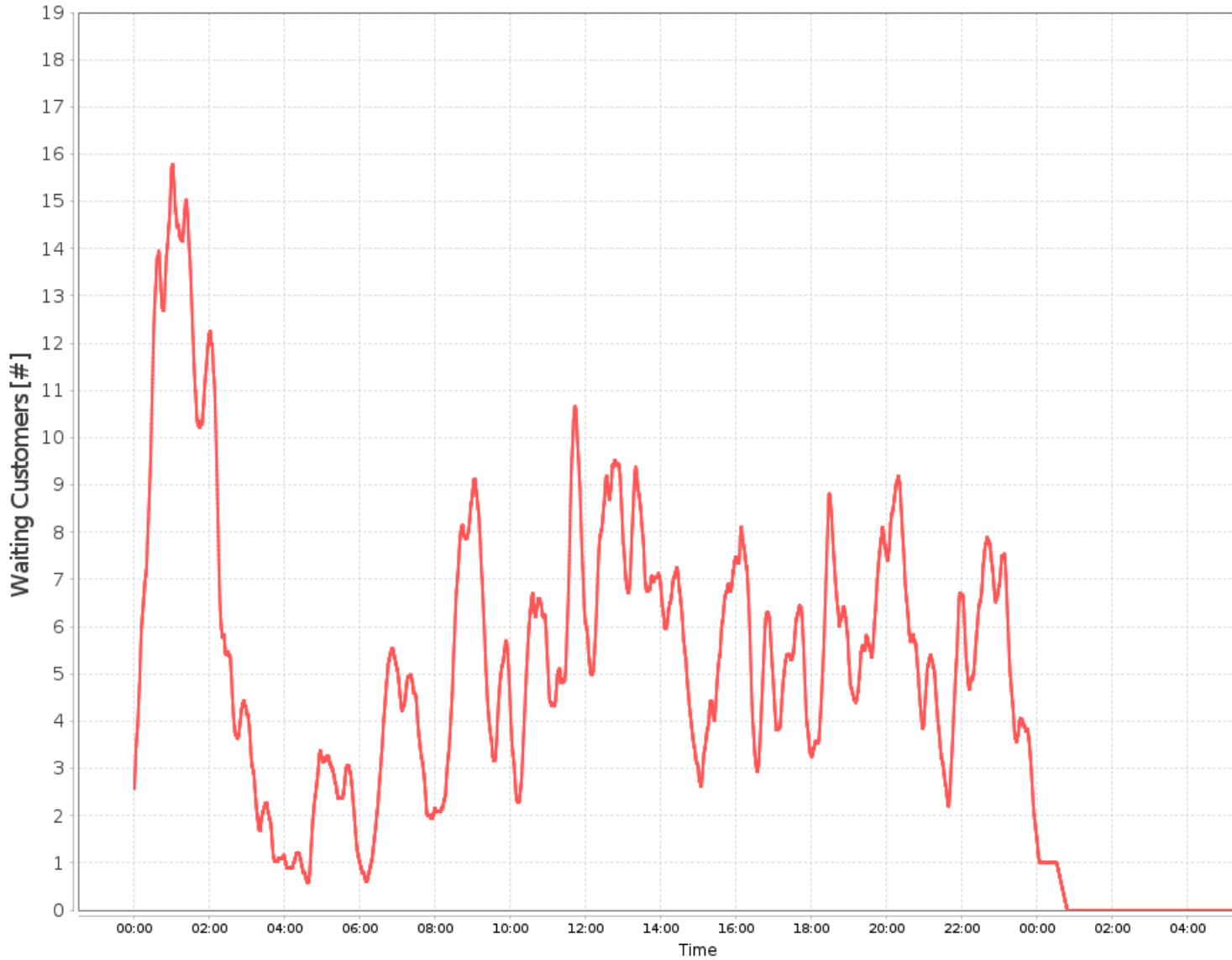
Drive Times

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

% of requests (y-axis)

Drive Times [s] (x-axis)

X-axis bins: [0 , 145), [145 , 290), [290 , 435), [435 , 580), [580 , 725), [725 , 870), [870 , 1015), [1015 , 1160), [1160 , 1305), [1305 , 1450), [1450 , 1595), [1595 , 1740), [1740 , 1885), [1885 , 2030), [2030 , 2175), [2175 , 2320), [2320 , 2465), [2465 , 2610), [2610 , 2755), [2755 , 2900), [2900 , 3045), [3045 , 3190), [3190 , 3335), [3335 , 3480), [3480 , 3625), [3625 , 3770), [3770 , 3915), [3915 , 4060)
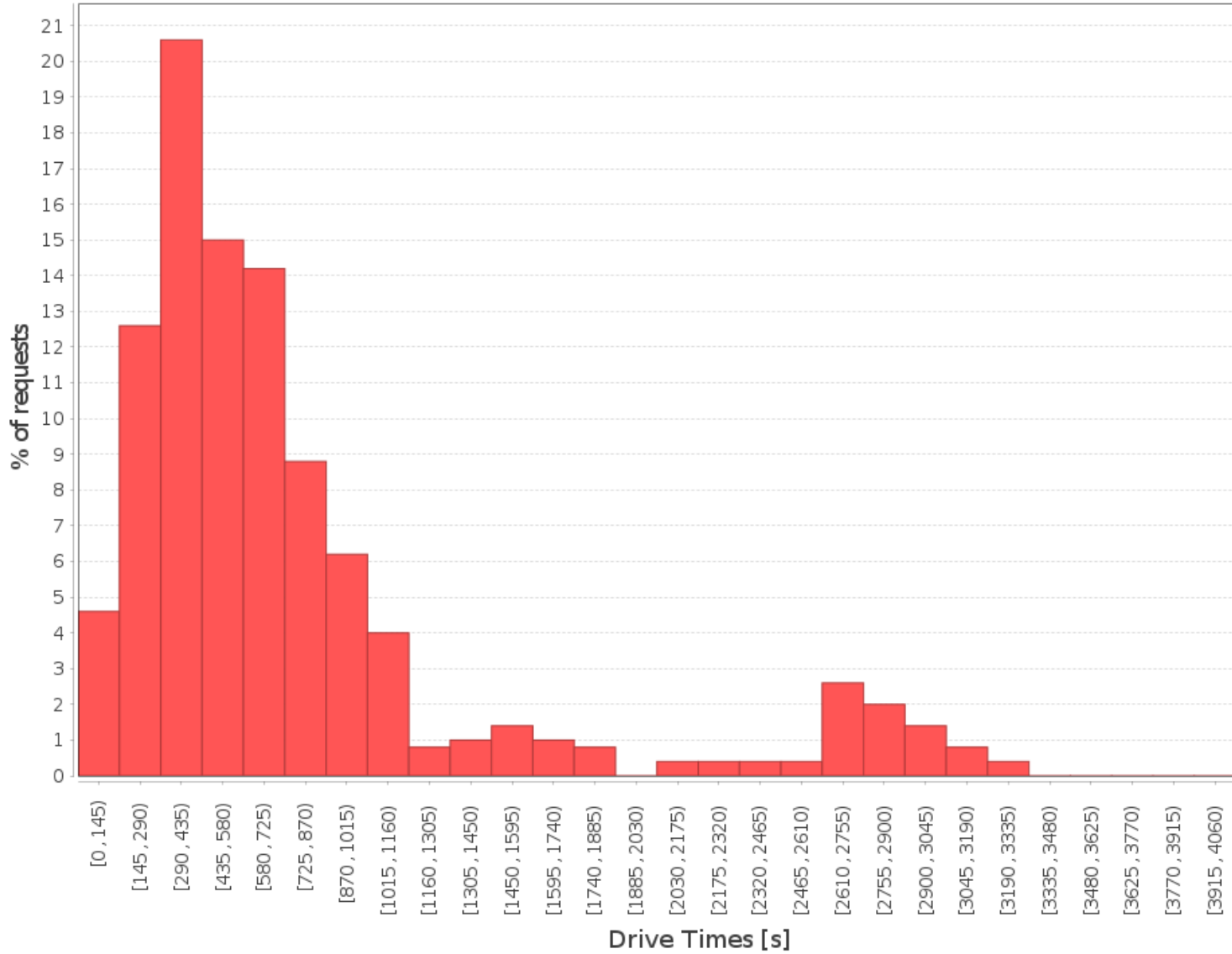
Total Journey Times

10.0% quantile	00:11:33
50.0% quantile	00:22:13
95.0% quantile	01:21:21
Mean	00:29:12
Maximum:	01:59:06

Number of Requests per Total Journey Time

% of requests

Total Journey Times [s]
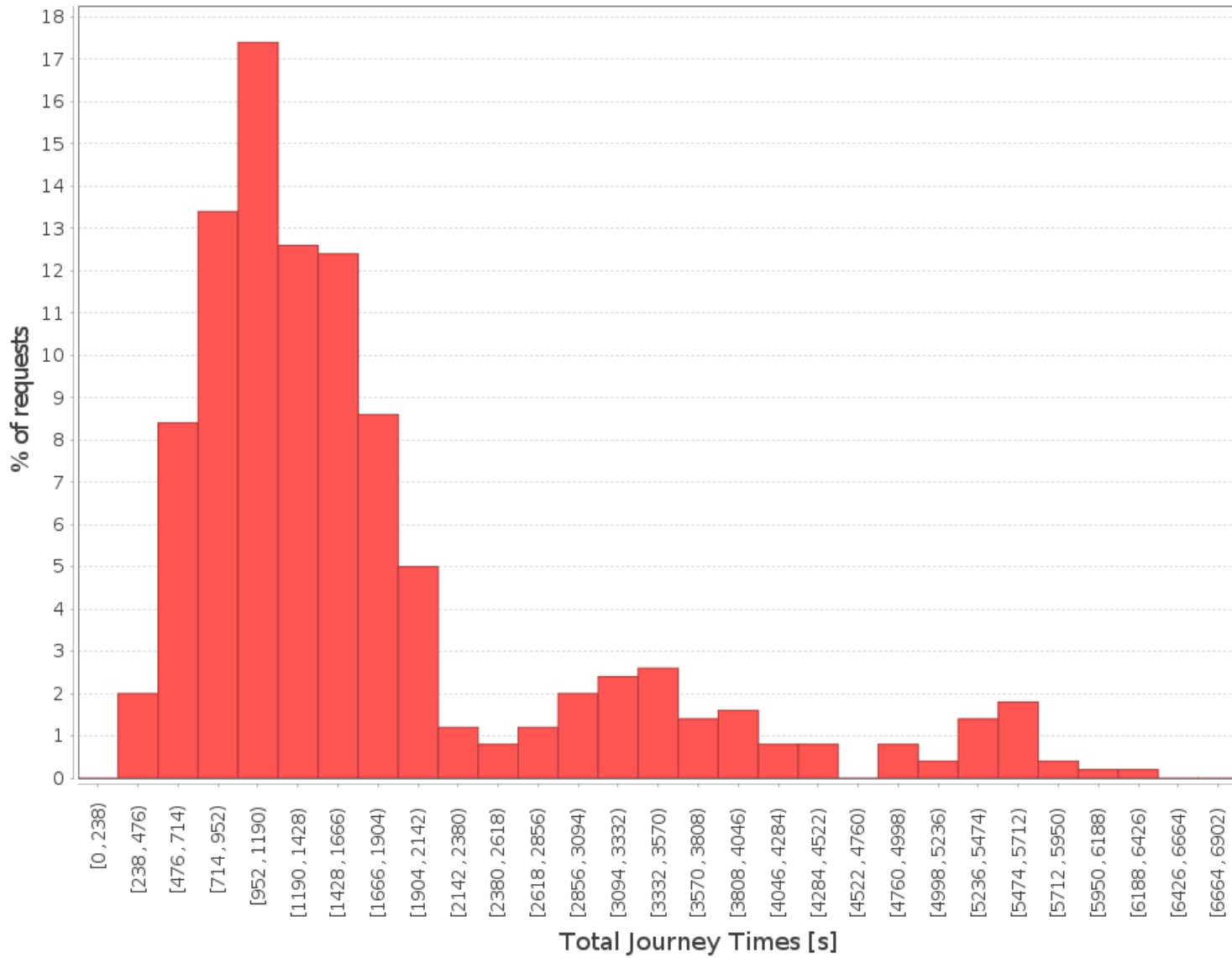
Fleet Efficiency

Distance Distribution over Day
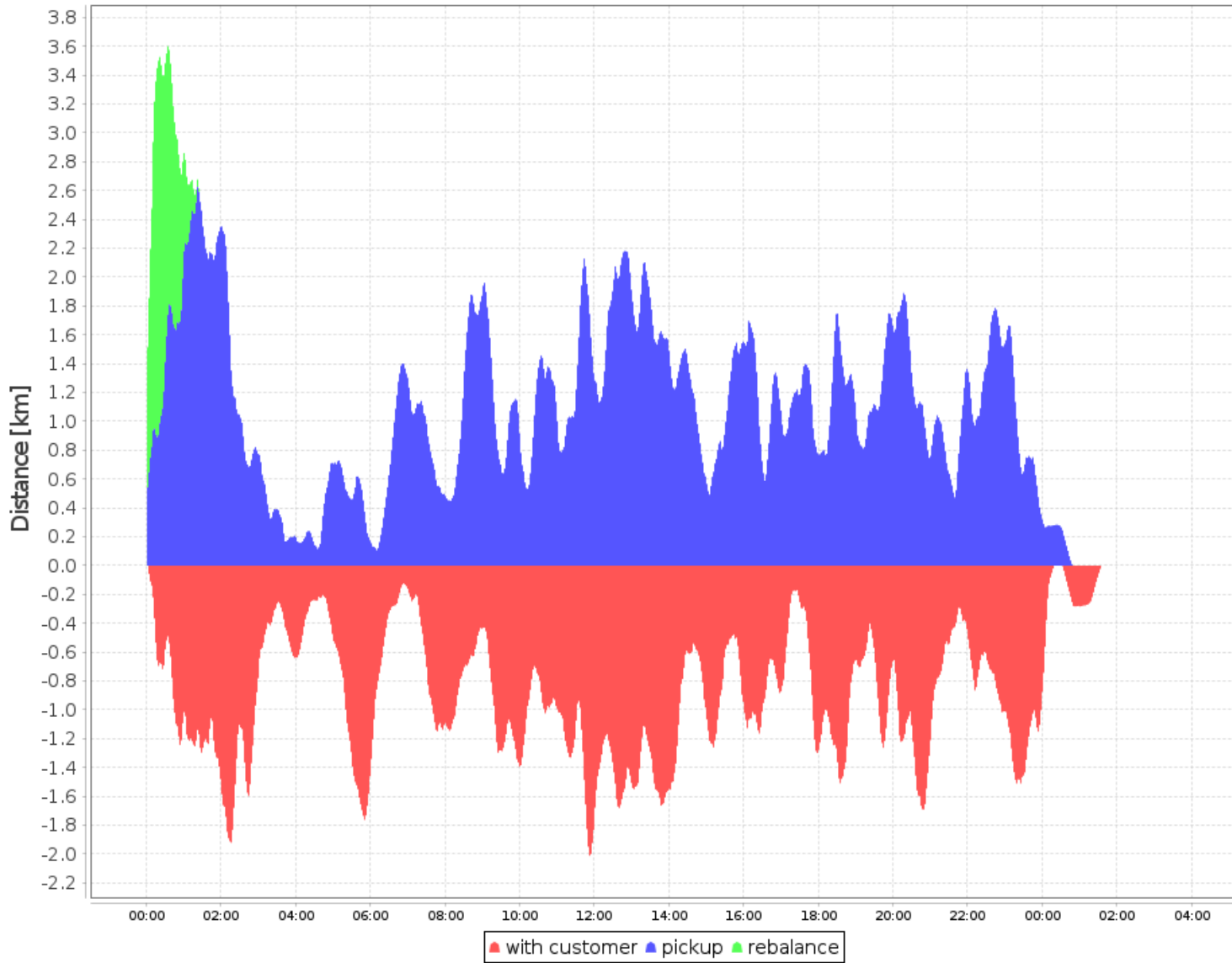
Occupancy and Distance Ratios

Number Passengers

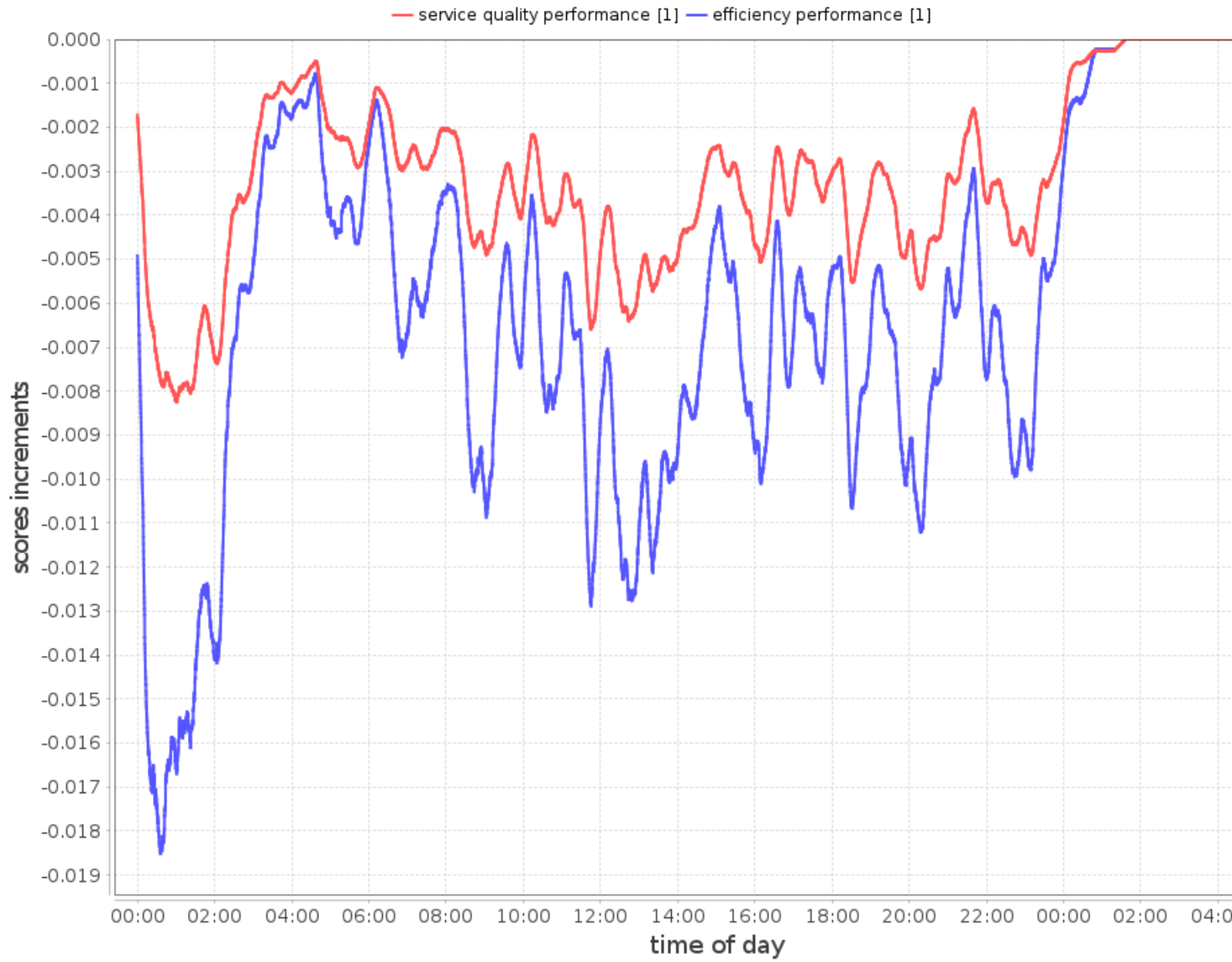

1 Passenger ▲ pickup ▲ rebalance ▲ stay ▲ off service
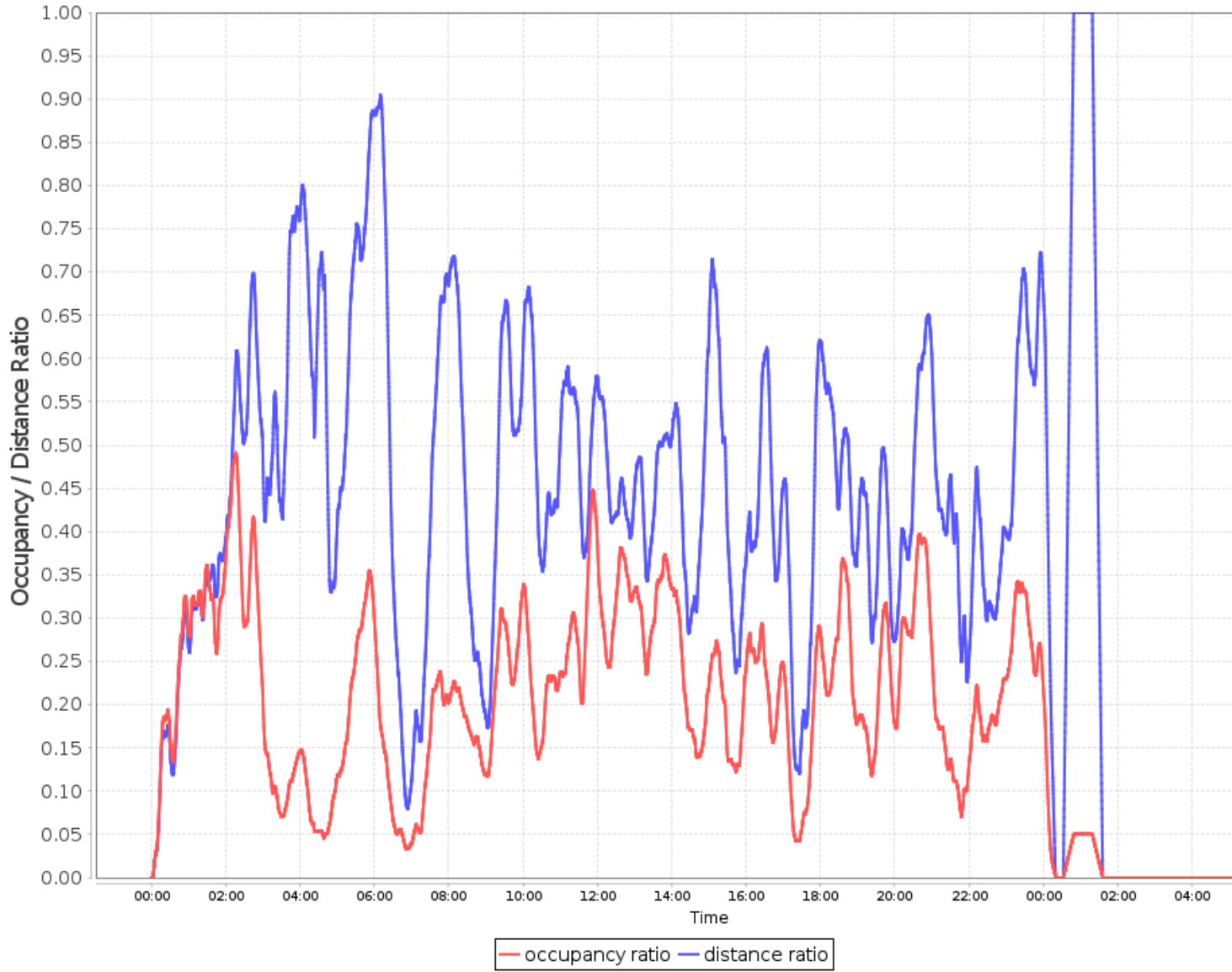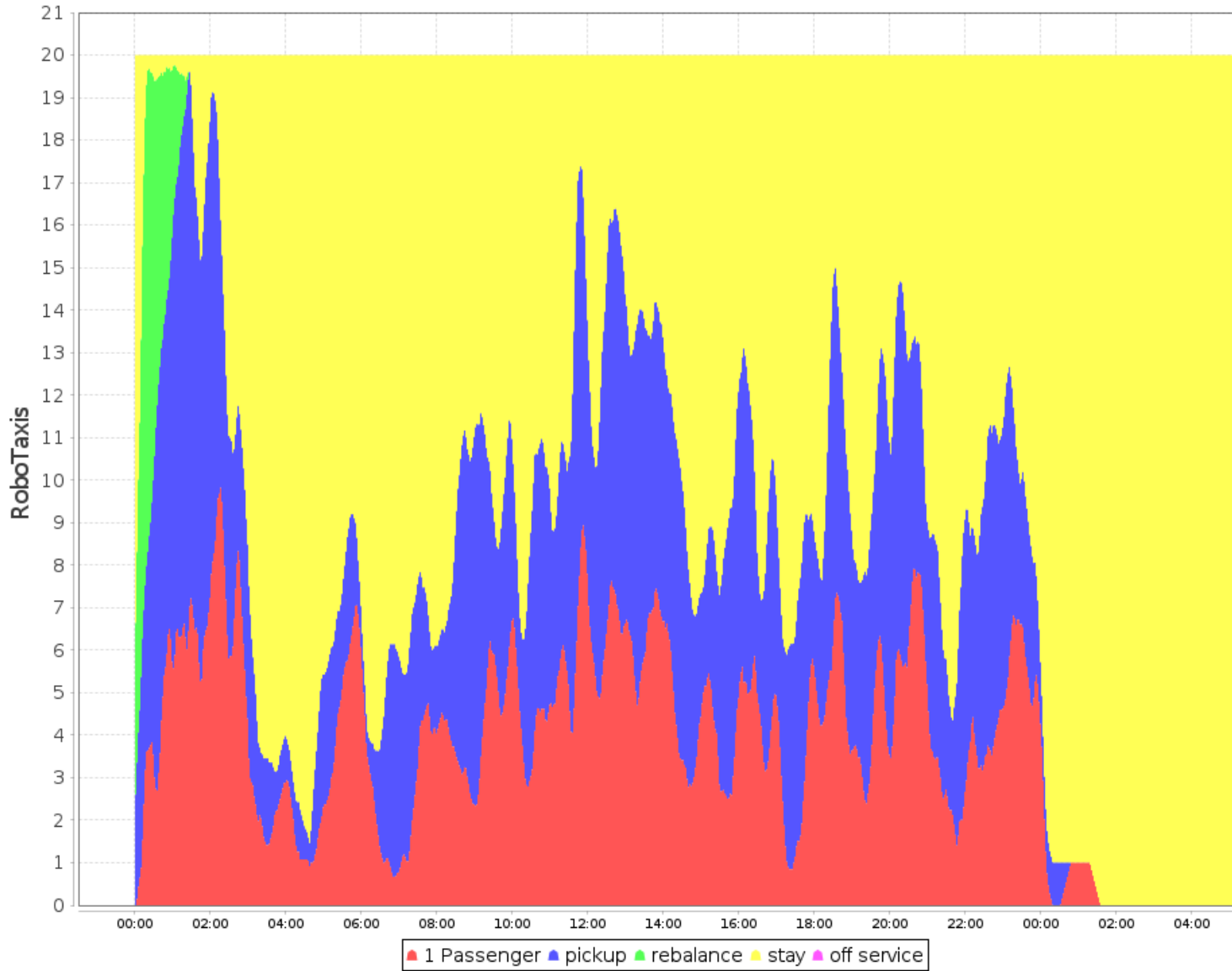
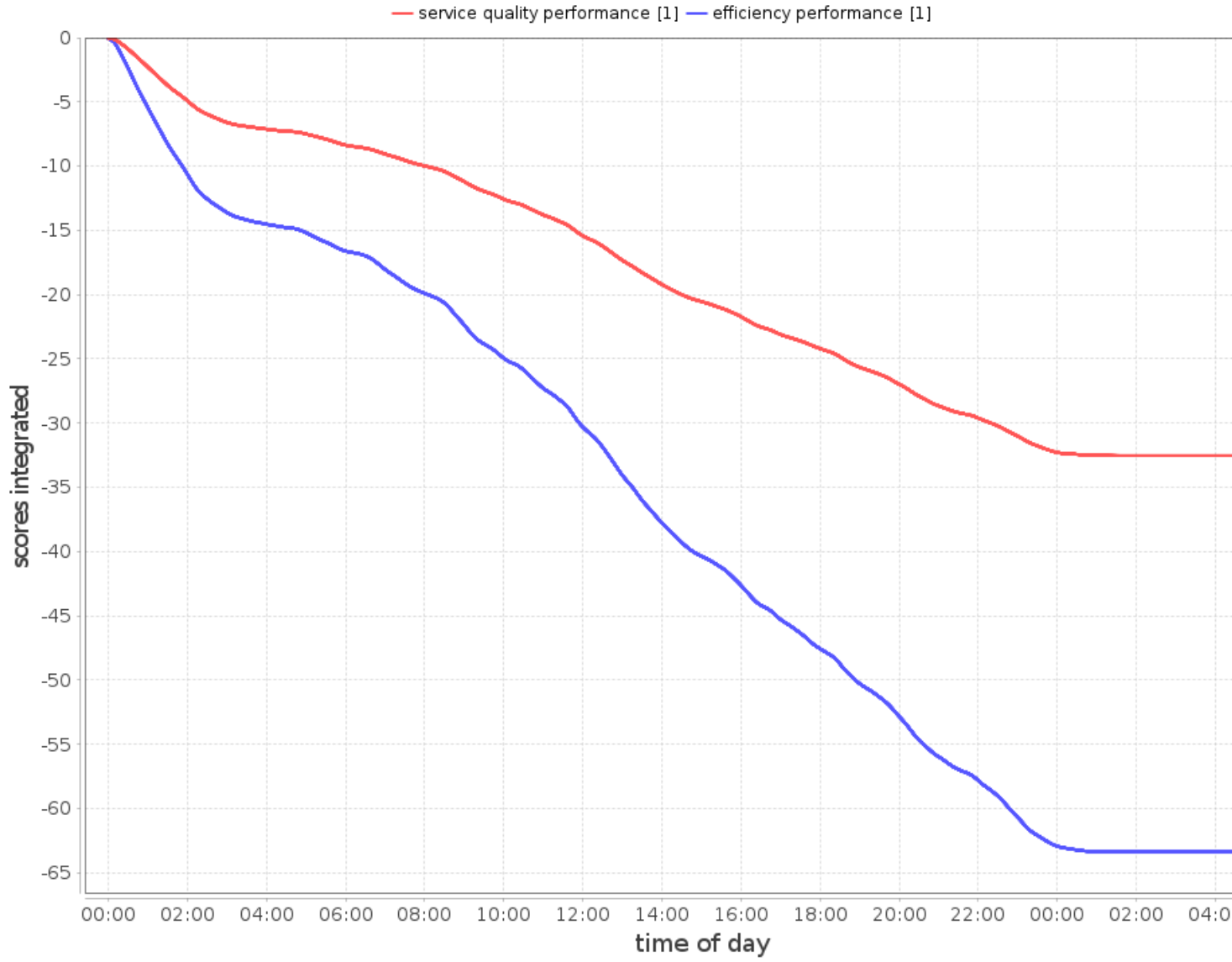## Ride Sharing Distribution, fraction of Requests

■ 1 Passengers

Aido Scores

Scores during Simulation

Service Quality and Efficiency Score Increments

Service Quality and Efficiency Score Integrated

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

Fleet Size Score Integrated

— fleet size score integrated
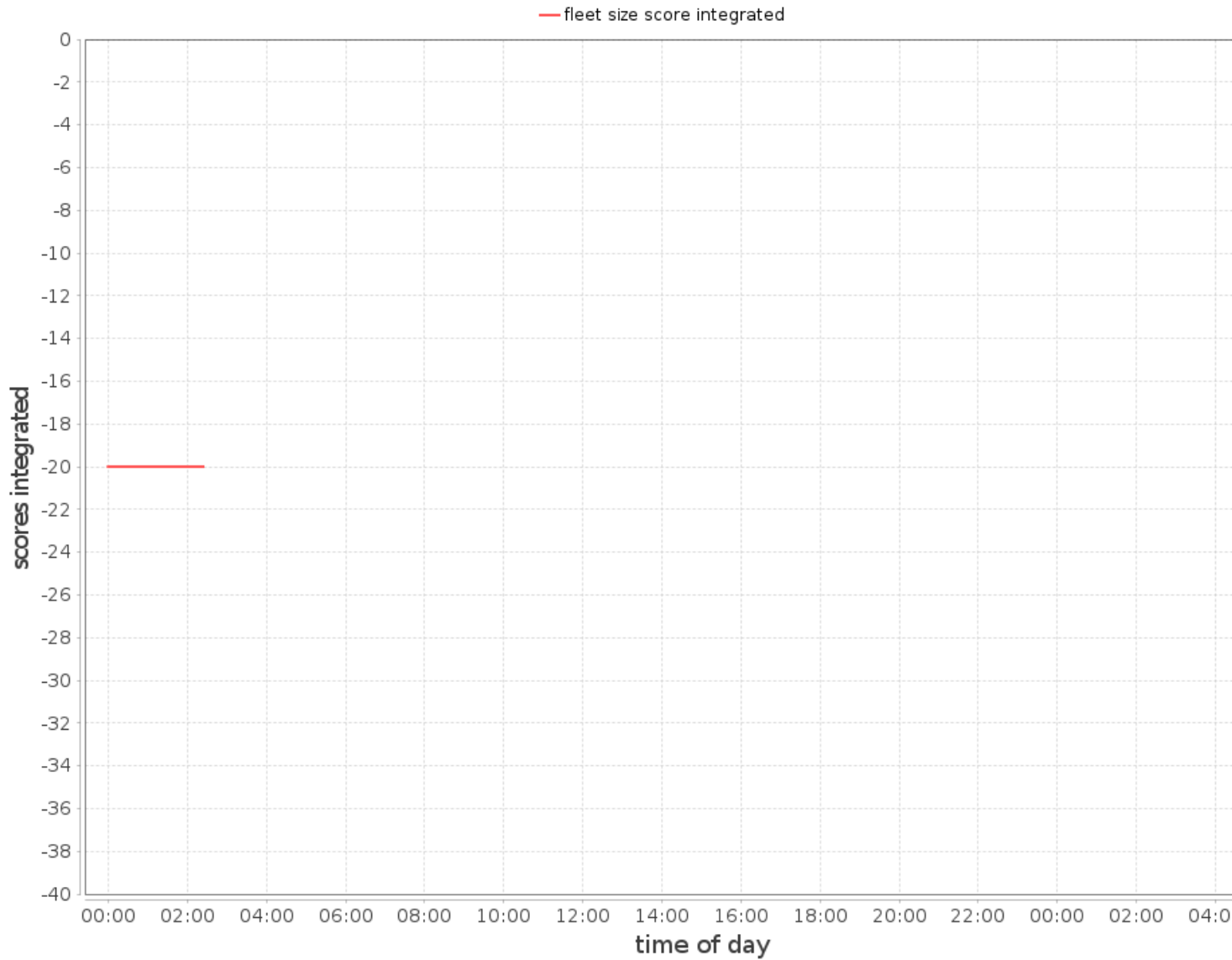
Final Scores

final service quality score:	-32.53426410483658
final efficiency score:	-63.36801641934386
final fleet size score:	-Infinity