AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2019/04/26 - 13:39:42
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

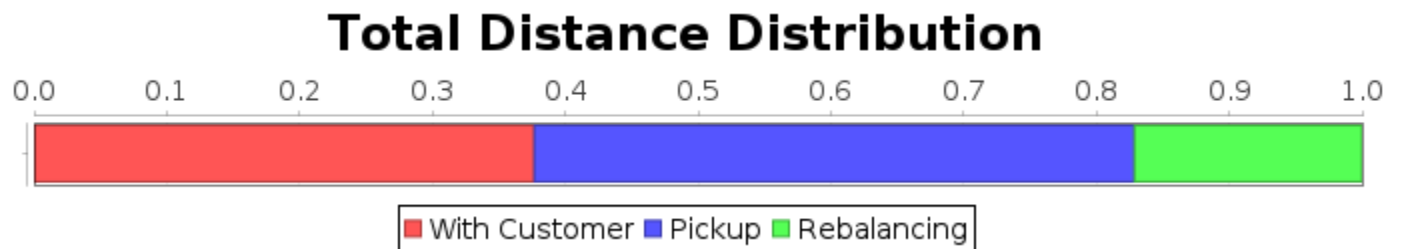# Aggregated Results

Distance Ratio: 37.68%

Occupancy Ratio: 17.87 %

Distances

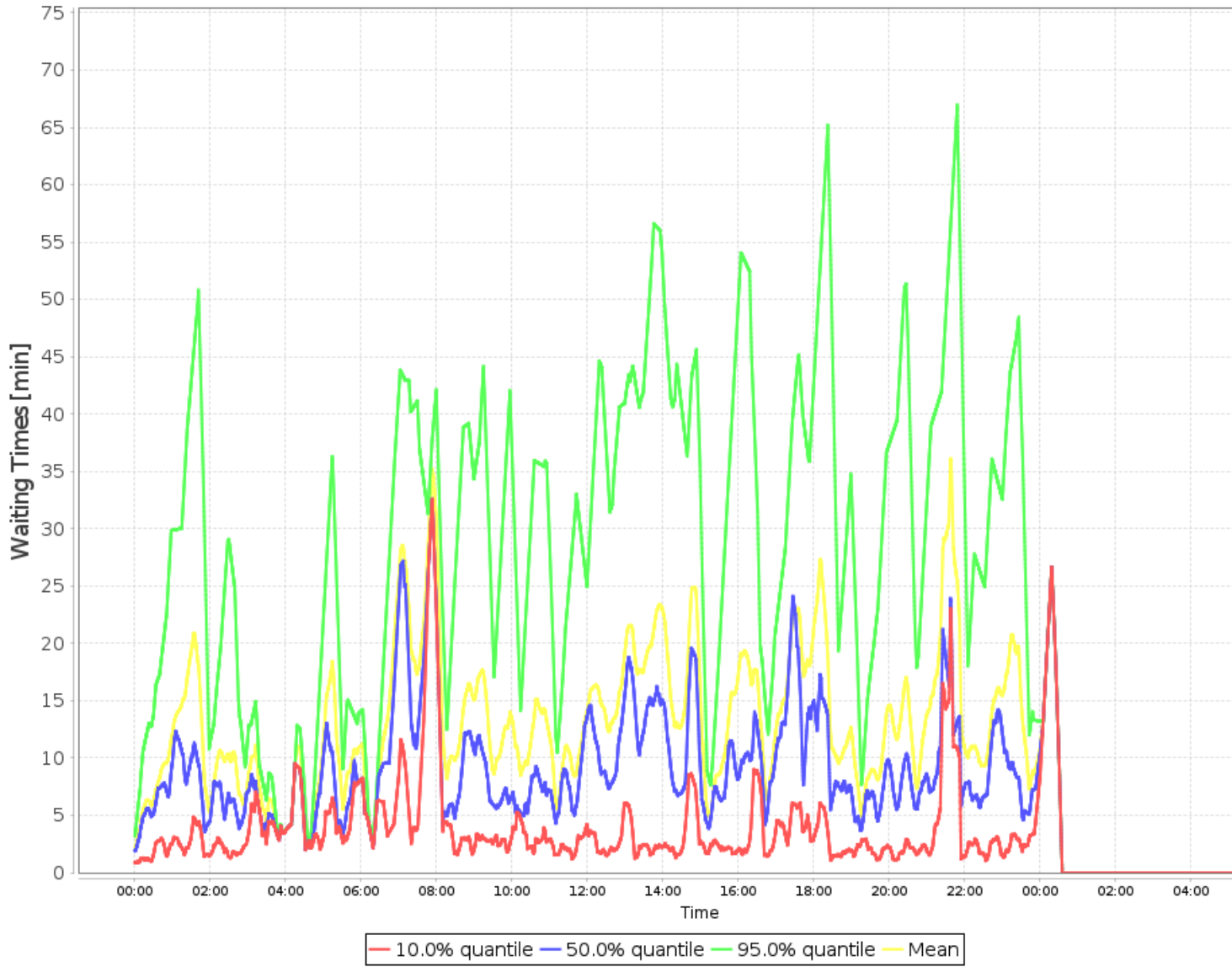|	
Total:	21754.50 km
Rebalancing:	3727.52 km (17.13%)
Pickup:	9830.19 km (45.19%)
With Customer:	8196.79 km (37.68%)

Average Trip Distance: 16.39 km

Total Distance Distribution

Wait Times

10.0% quantile	00:05:04
50.0% quantile	00:11:42
95.0% quantile	00:47:19
Mean	00:15:53
Maximum:	01:15:28

Number of Requests per Wait Time

Histogram with y-axis labeled "% of requests" (0 to 16) and x-axis labeled "Wait Times [s]" with bins: [0 , 151), [151 , 302), [302 , 453), [453 , 604), [604 , 755), [755 , 906), [906 , 1057), [1057 , 1208), [1208 , 1359), [1359 , 1510), [1510 , 1661), [1661 , 1812), [1812 , 1963), [1963 , 2114), [2114 , 2265), [2265 , 2416), [2416 , 2567), [2567 , 2718), [2718 , 2869), [2869 , 3020), [3020 , 3171), [3171 , 3322), [3322 , 3473), [3473 , 3624), [3624 , 3775), [3775 , 3926), [3926 , 4077), [4077 , 4228)
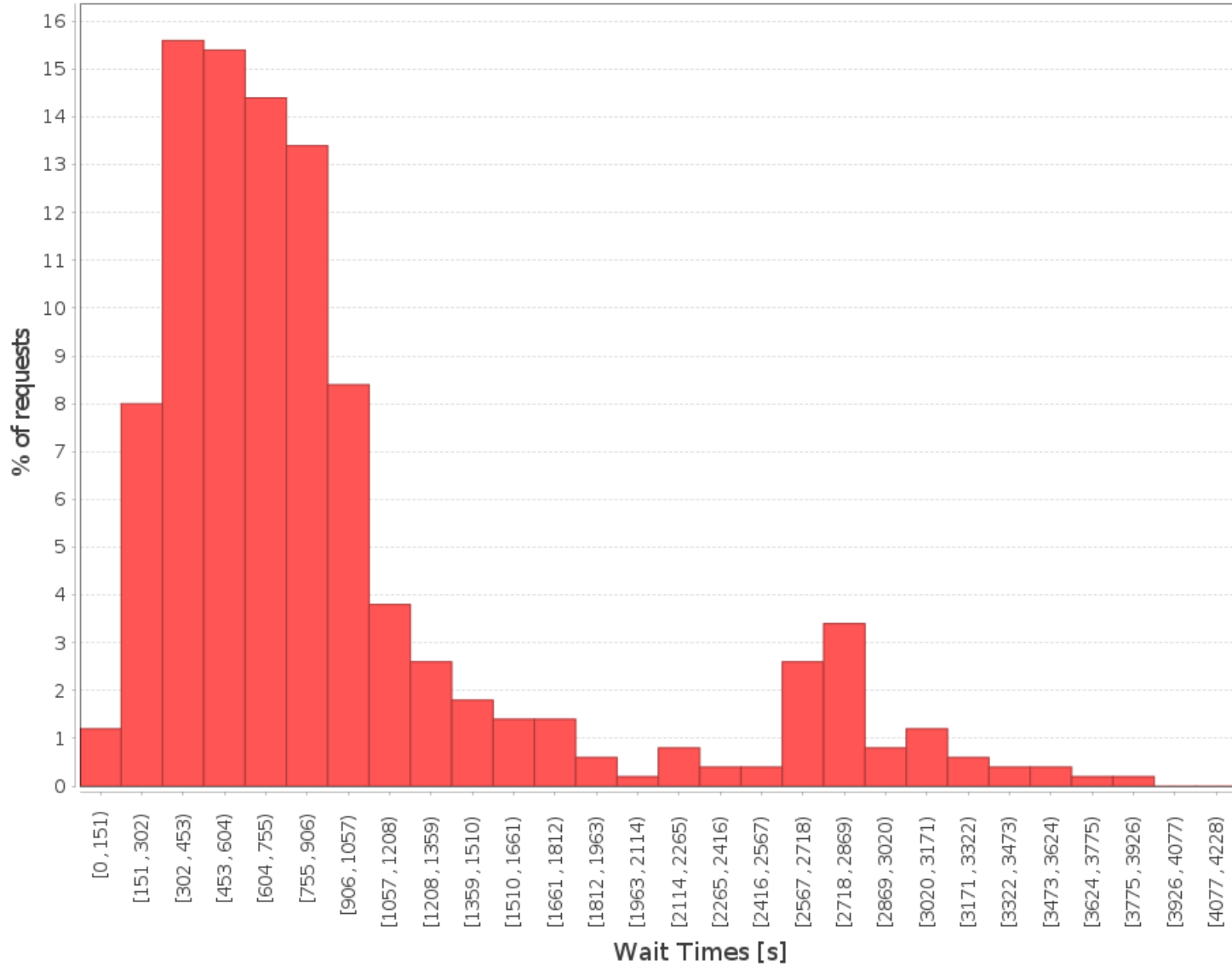
Binned Waiting Times

Waiting Customers per Day Time
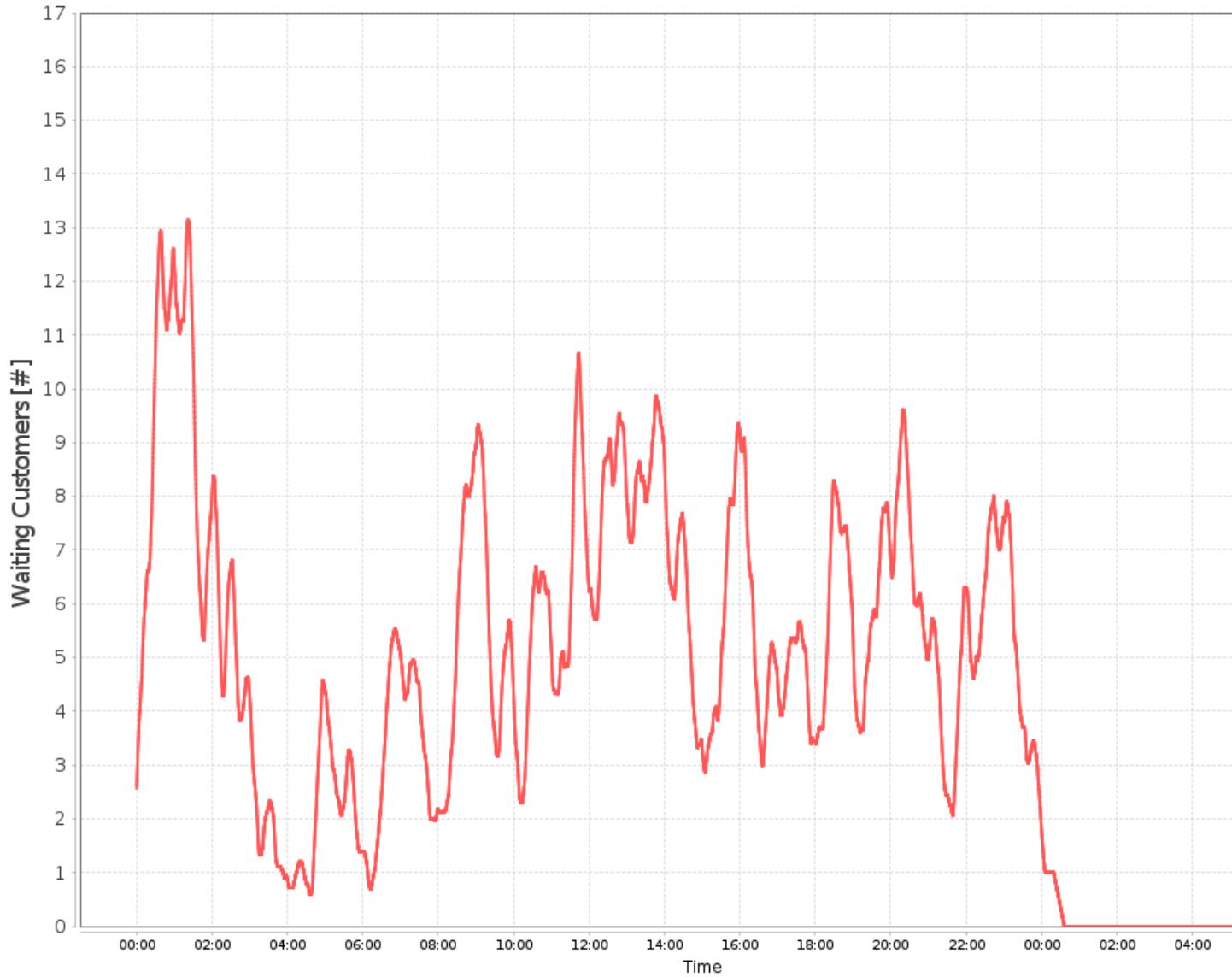
Drive Times

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
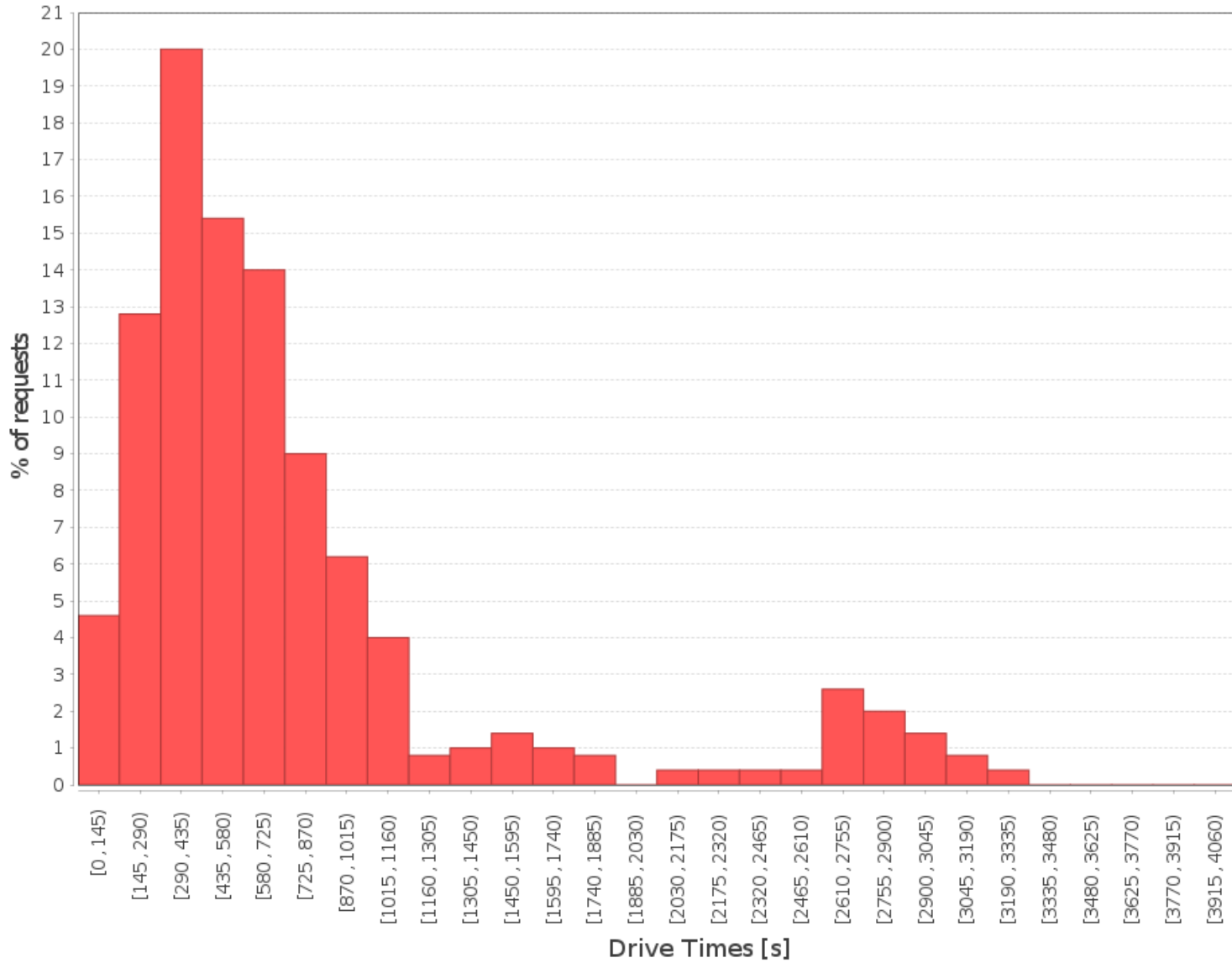
Total Journey Times

10.0% quantile	00:11:20
50.0% quantile	00:21:46
95.0% quantile	01:19:25
Mean	00:28:45
Maximum:	01:59:06

Number of Requests per Total Journey Time
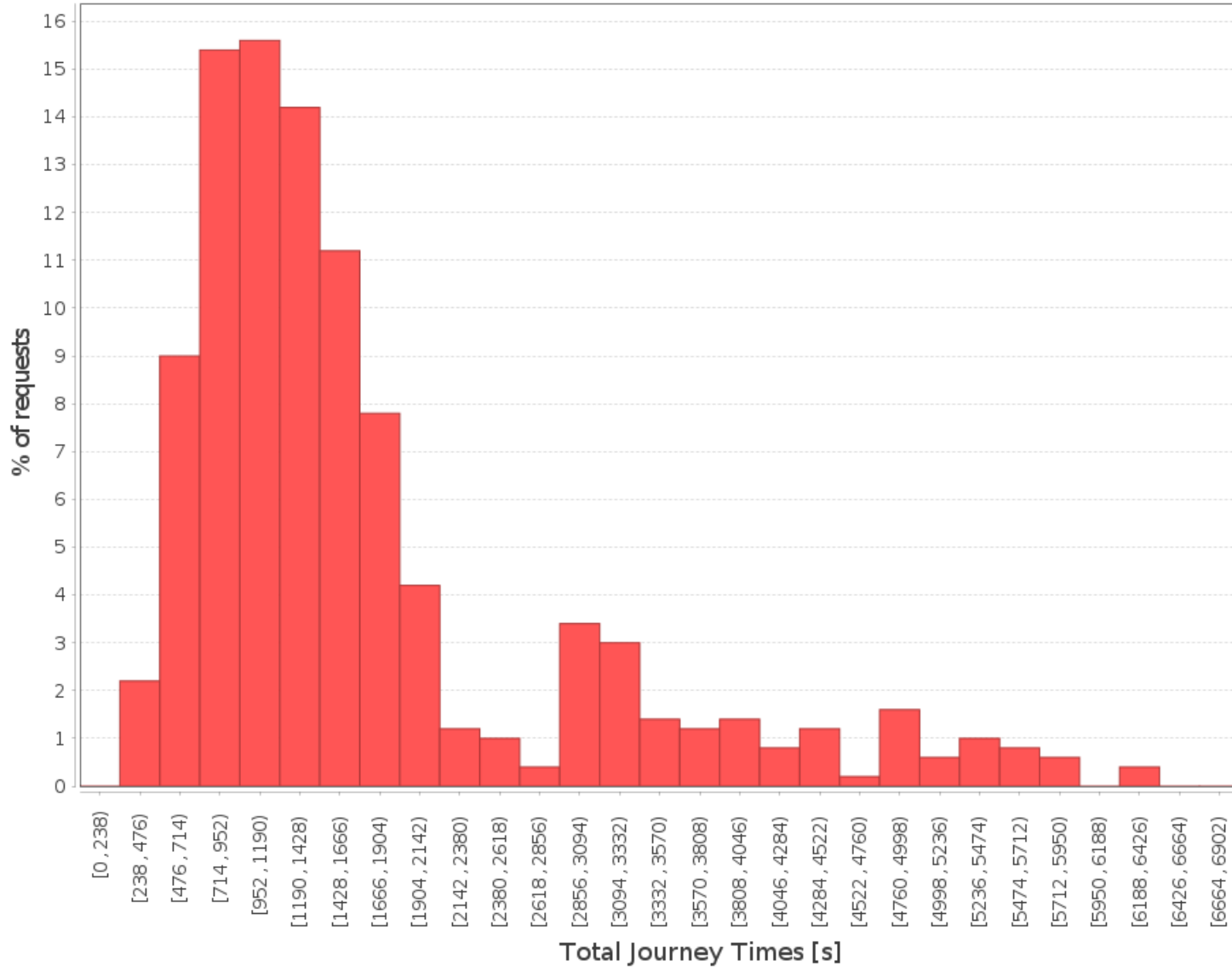
Fleet Efficiency

Distance Distribution over Day

Distance [km]

Legend: with customer (red), pickup (blue), rebalance (green)
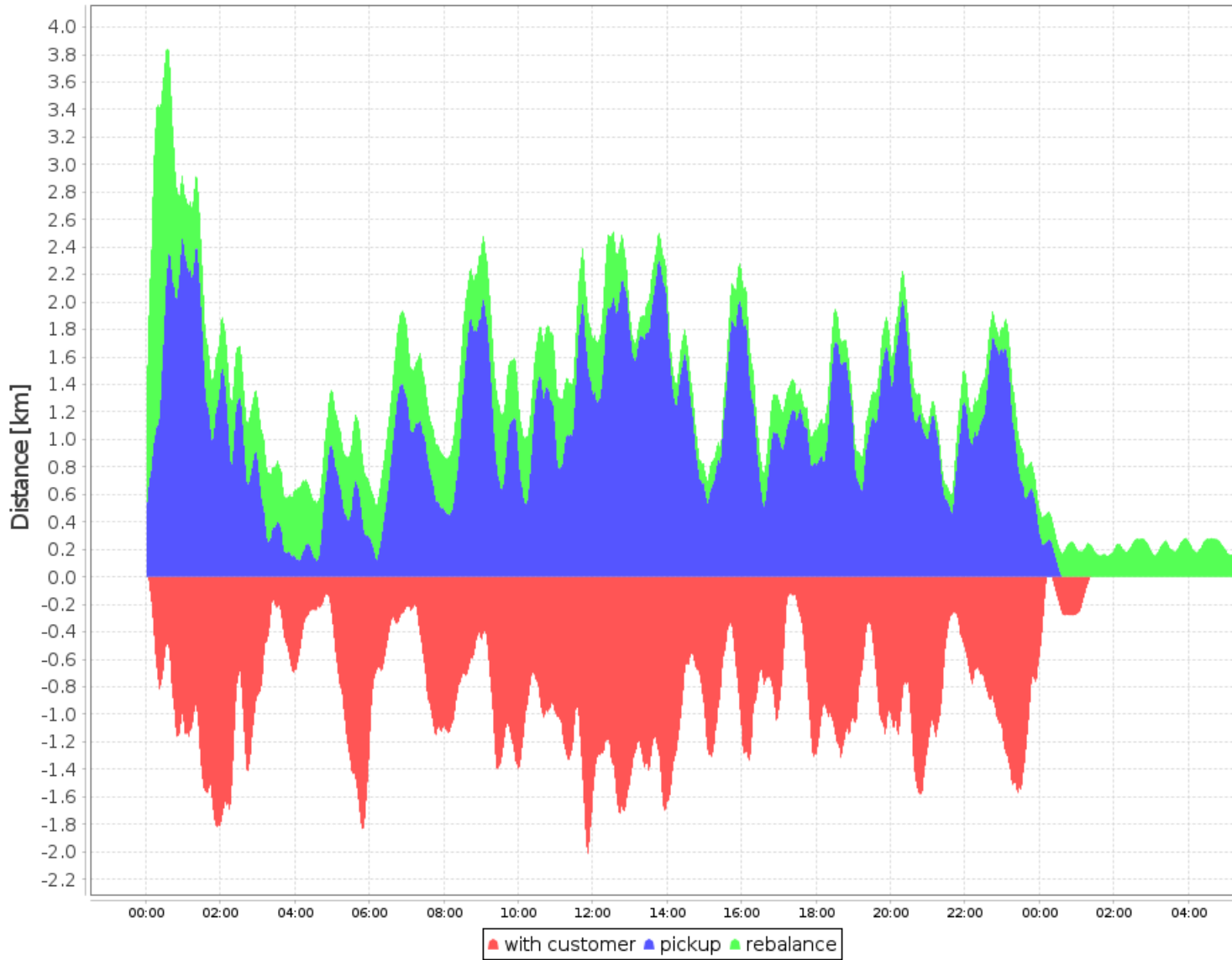
Occupancy and Distance Ratios

Number Passengers

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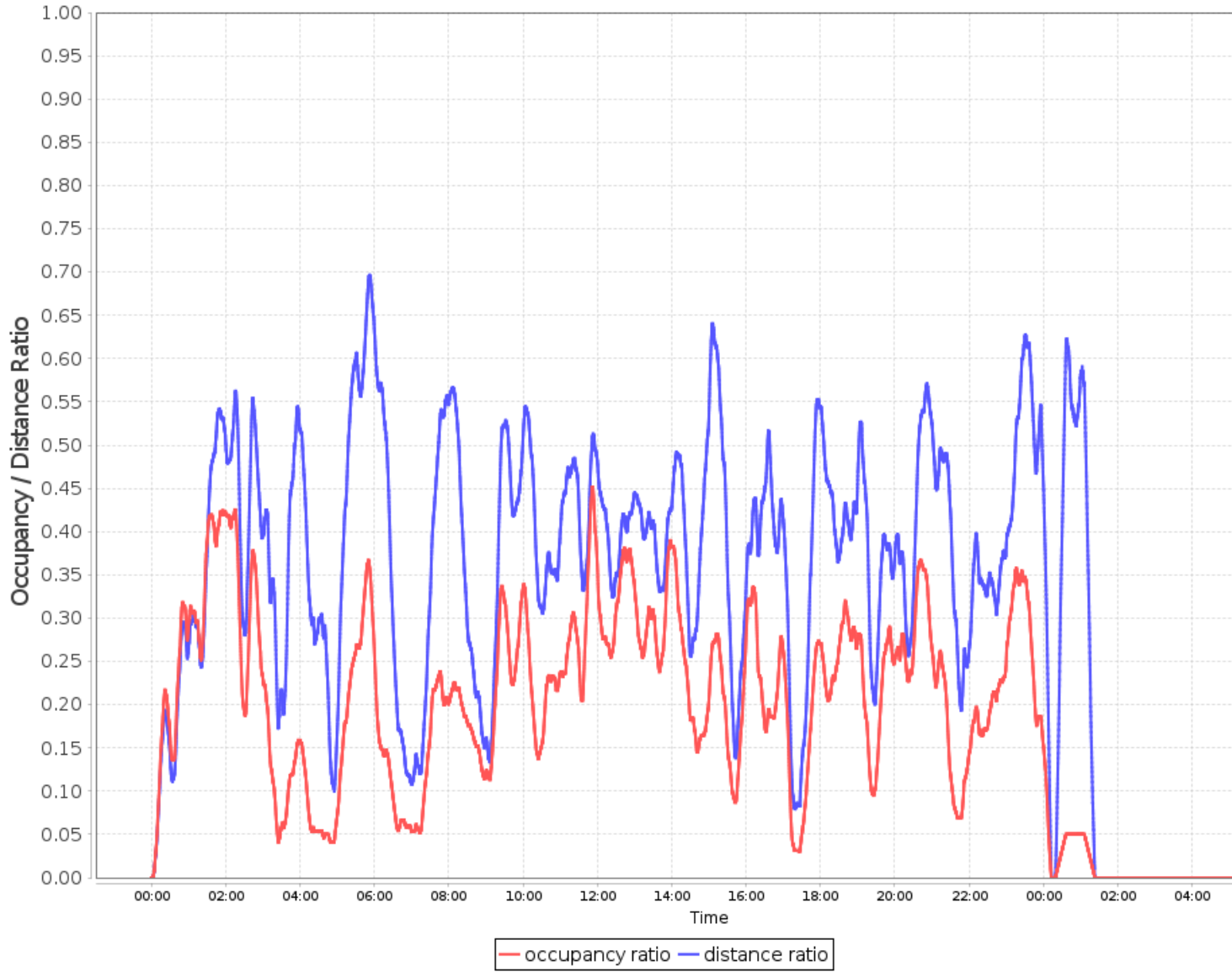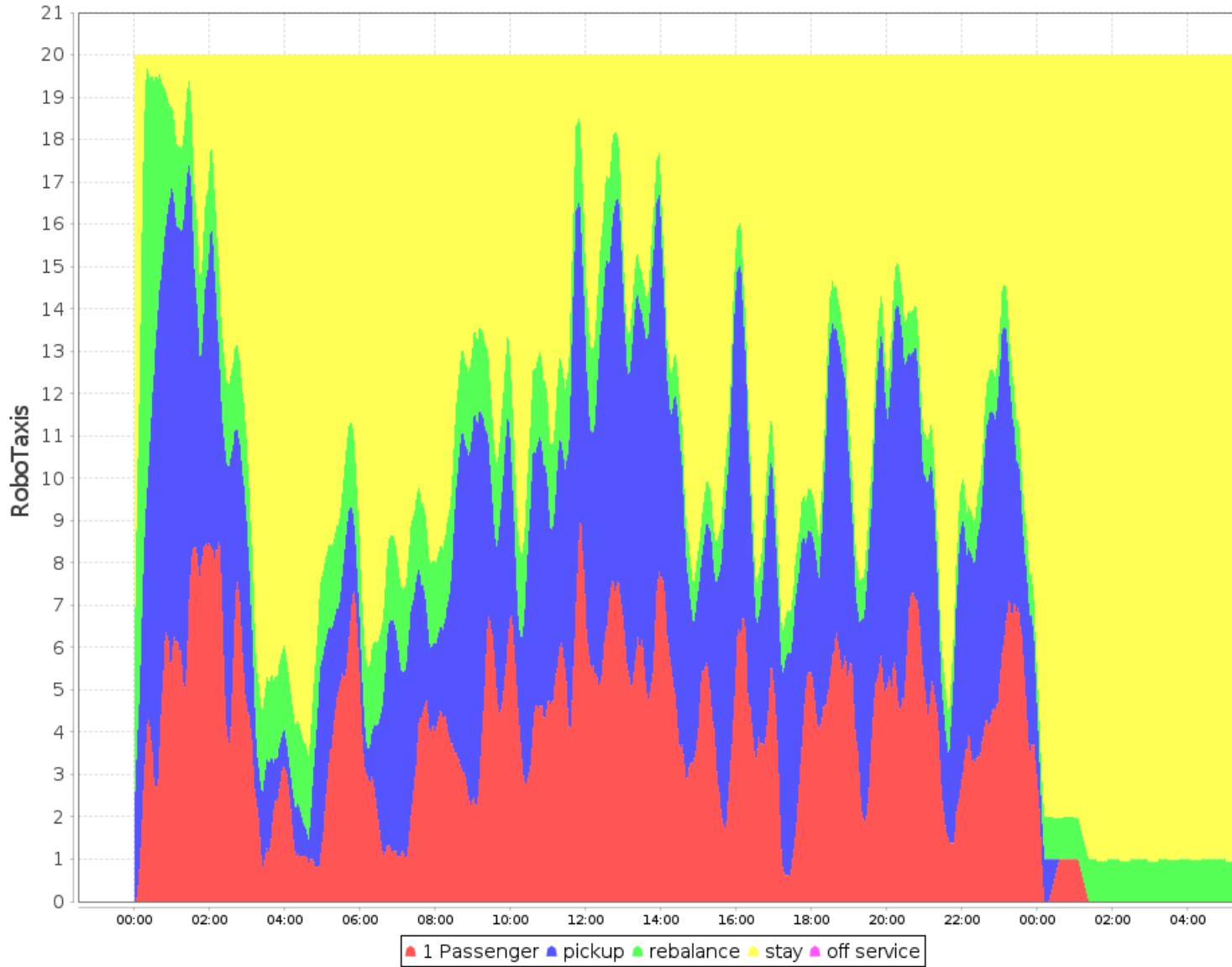
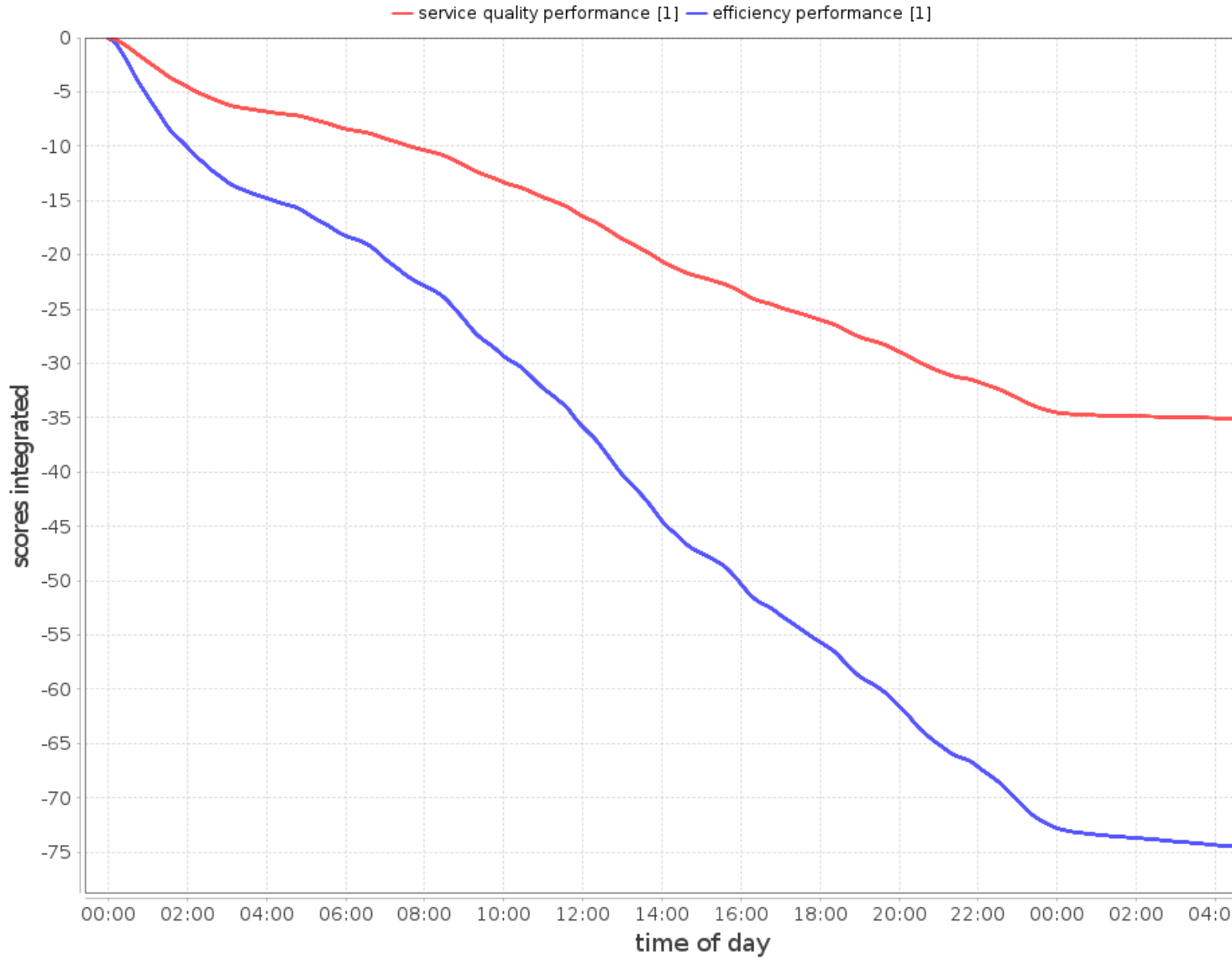## Ride Sharing Distribution, fraction of Requests

Legend: 1 Passengers

Aido Scores

Scores during Simulation

Service Quality and Efficiency Score Increments
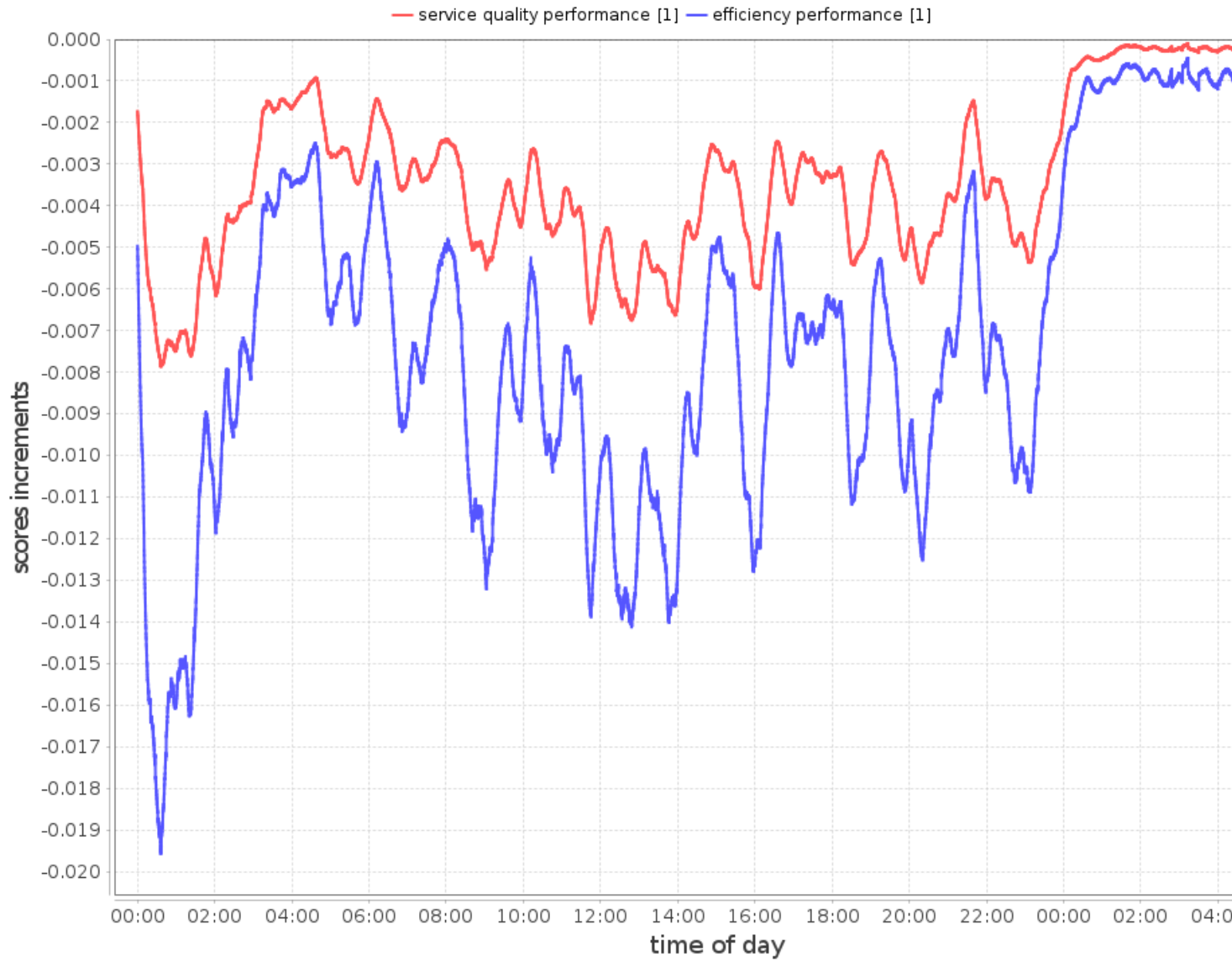
Service Quality and Efficiency Score Integrated

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

Fleet Size Score Integrated
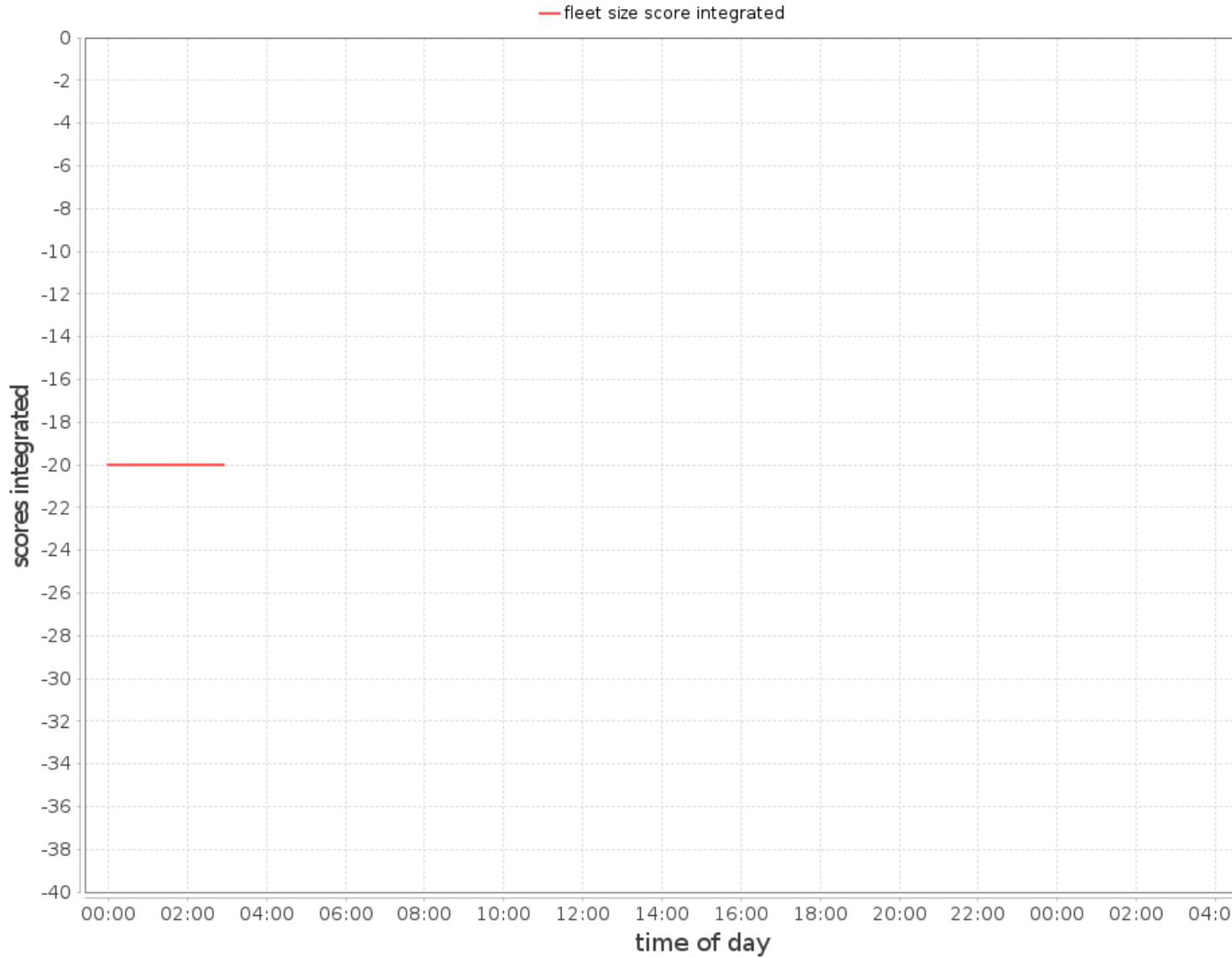
Final Scores

final service quality score:	-35.18079503140497
final efficiency score:	-74.96570012562036
final fleet size score:	-Infinity