AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2019/04/24 - 09:21:29
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: 38.86%

Occupancy Ratio: 17.87 %

Distances

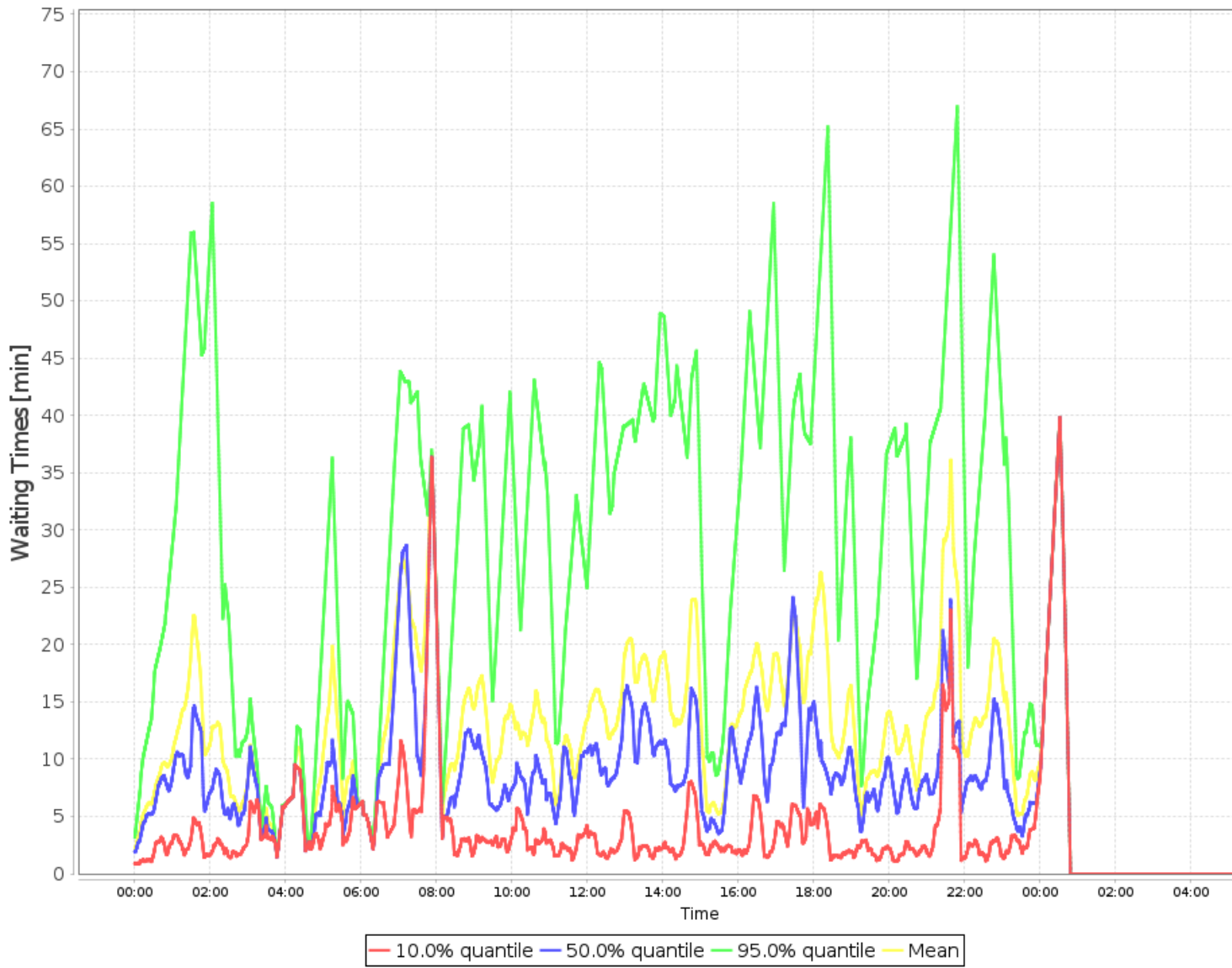|	
Total:	21096.72 km
Rebalancing:	3099.03 km (14.69%)
Pickup:	9799.03 km (46.45%)
With Customer:	8198.66 km (38.86%)

Average Trip Distance: 16.40 km

Total Distance Distribution
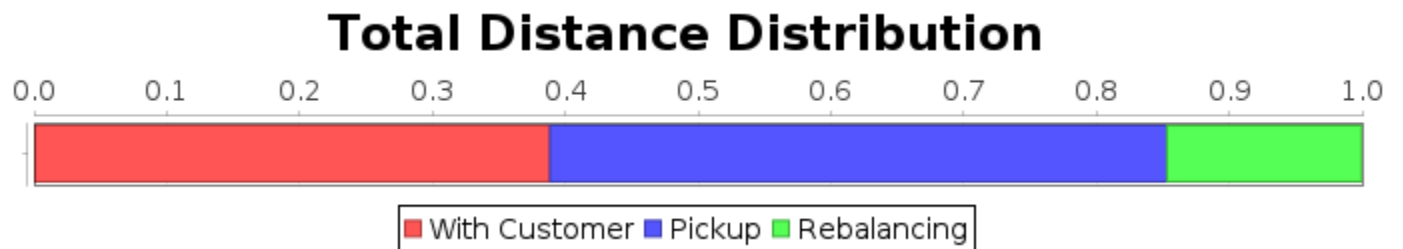
Wait Times

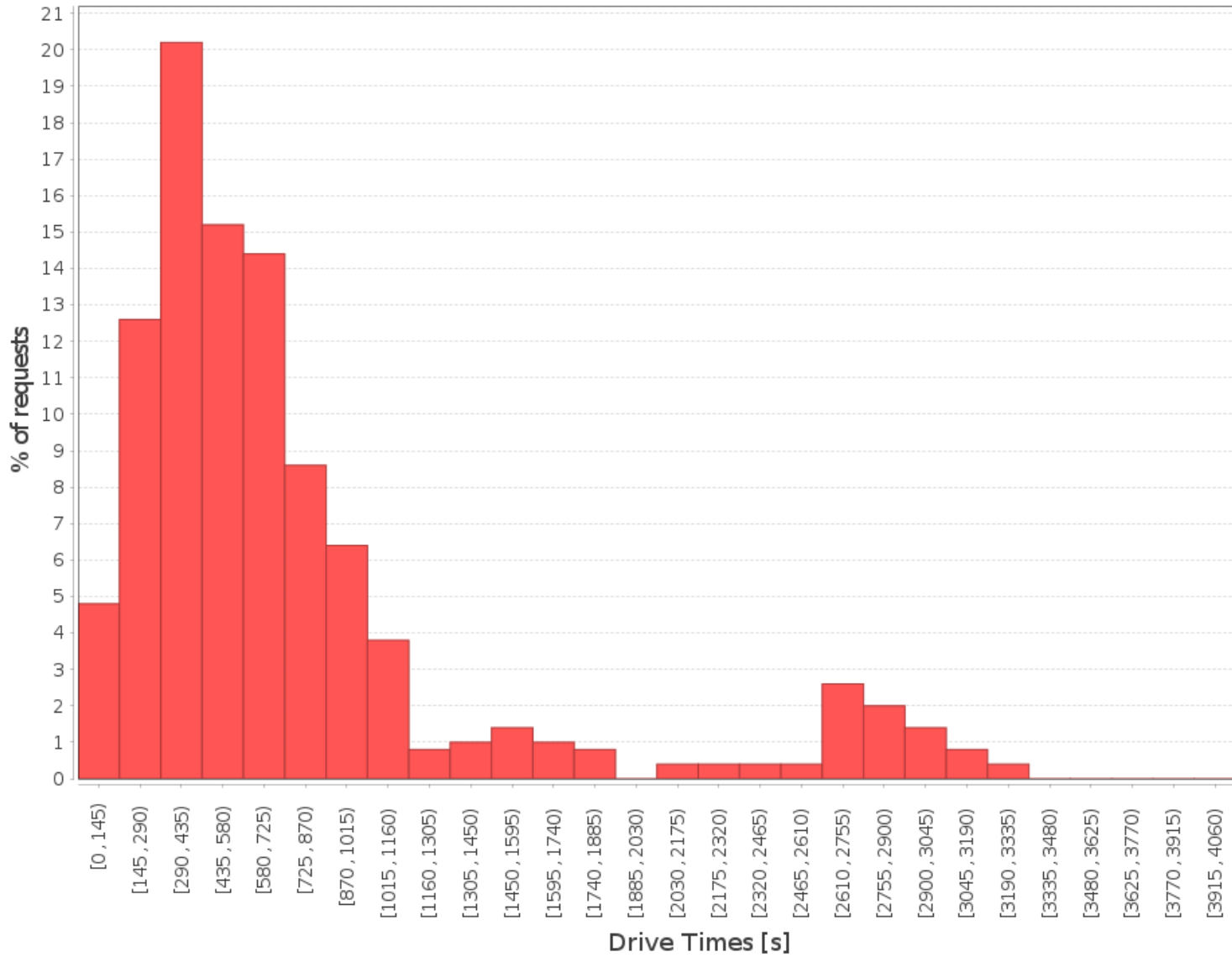|	
10.0% quantile	00:04:52
50.0% quantile	00:12:21
95.0% quantile	00:46:46
Mean	00:15:58
Maximum:	01:15:28

Number of Requests per Wait Time
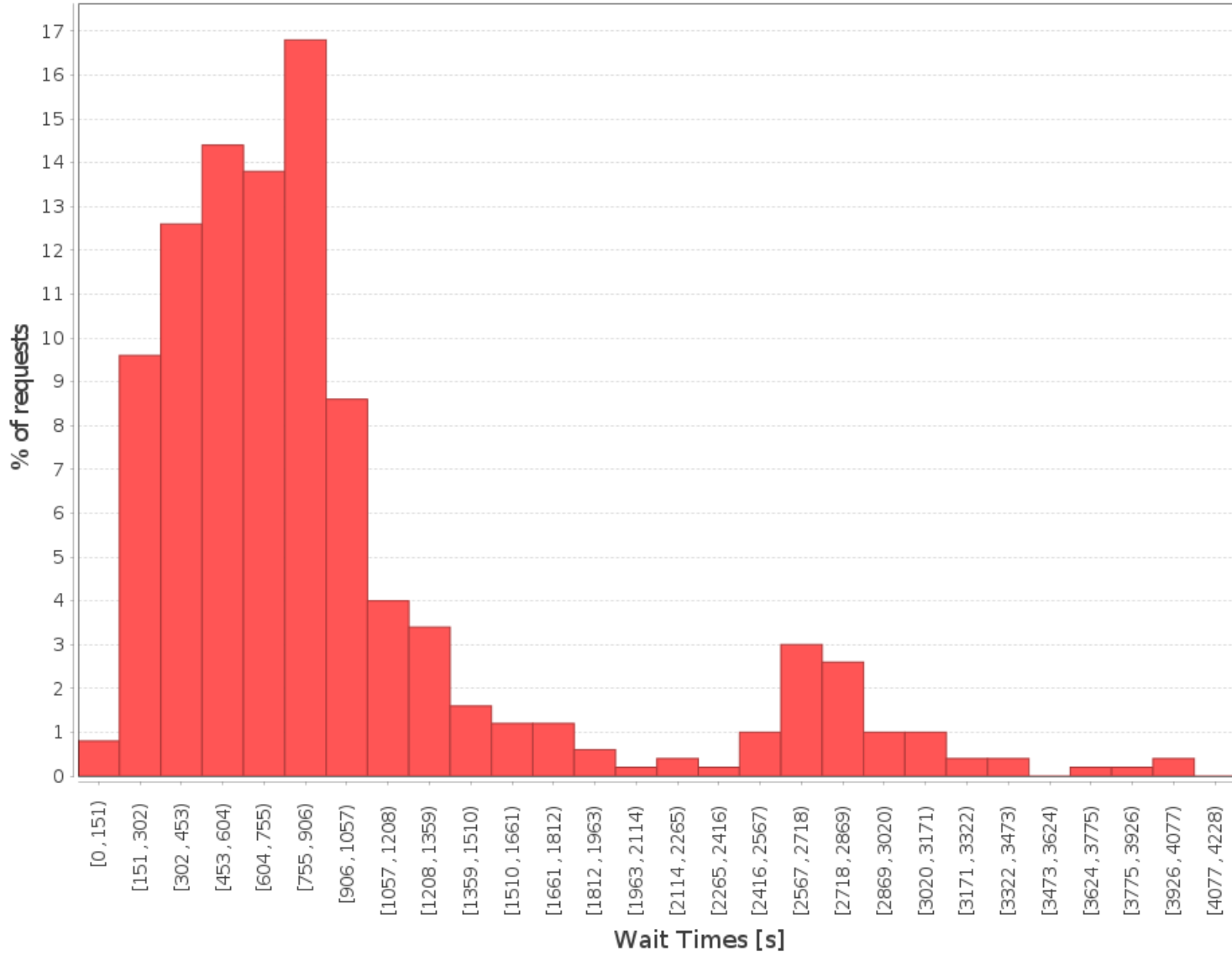
Binned Waiting Times

Waiting Customers per Day Time
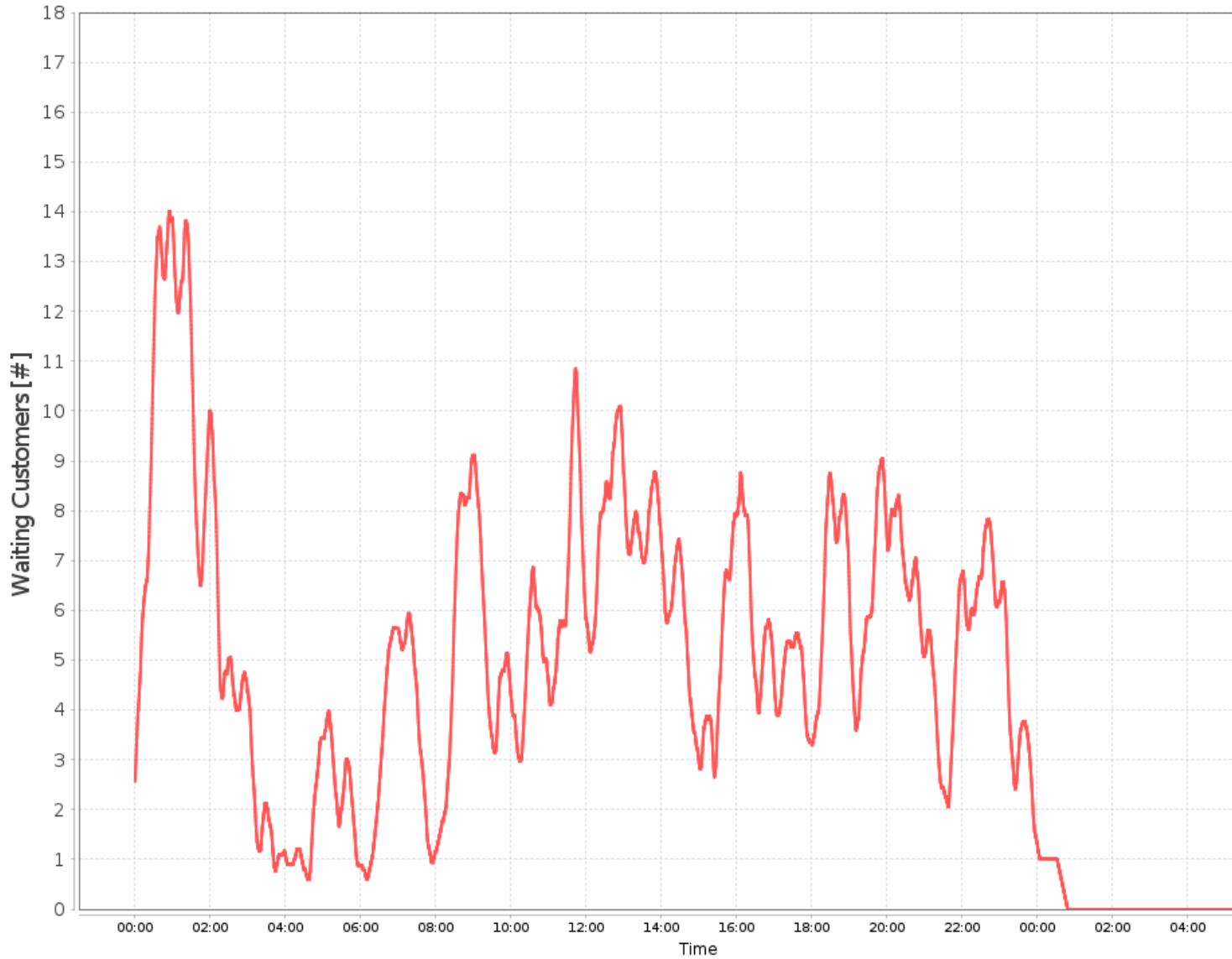
Drive Times

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	00:11:33
50.0% quantile	00:22:06
95.0% quantile	01:14:45
Mean	00:28:50
Maximum:	01:59:06

Number of Requests per Total Journey Time
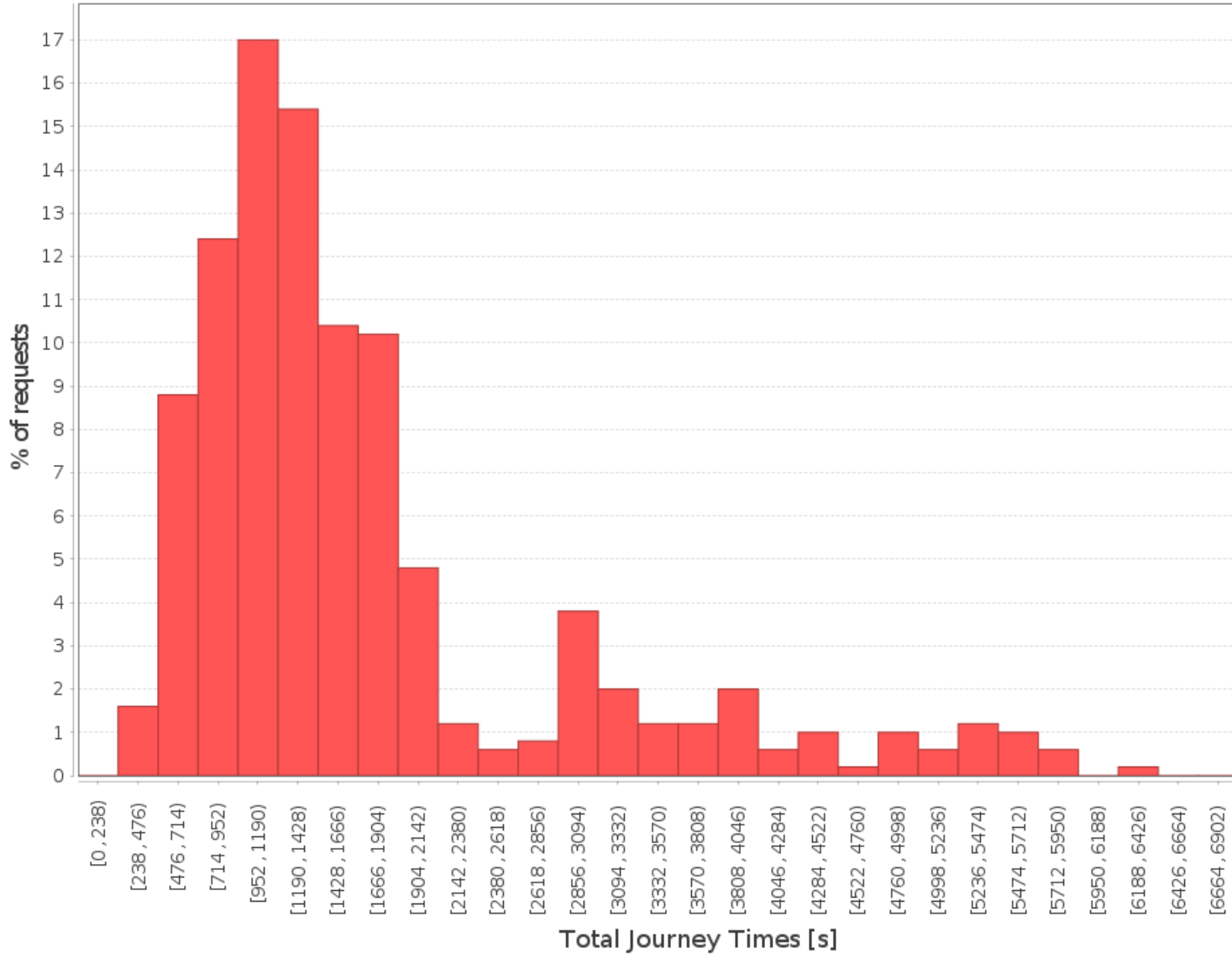
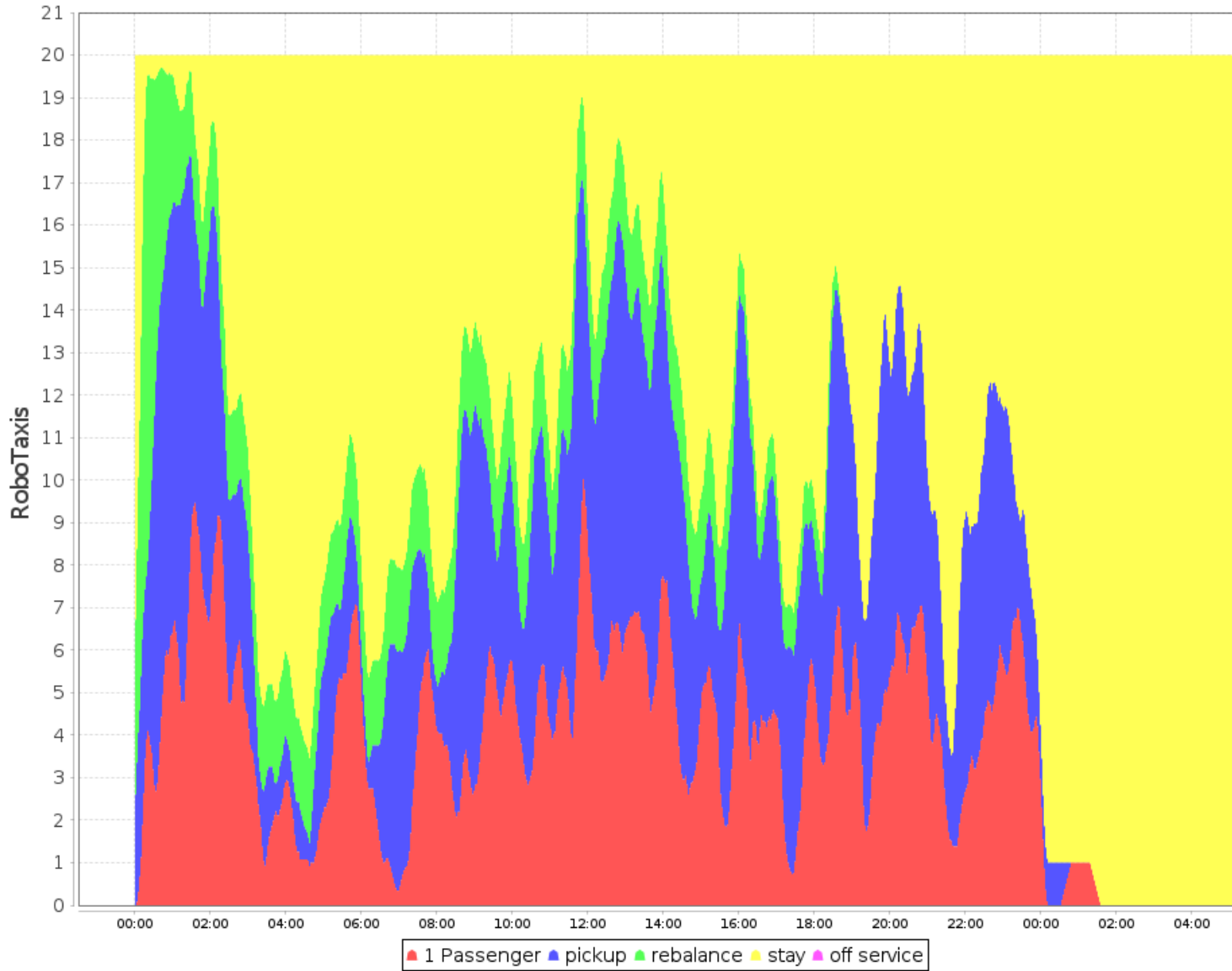# Fleet Efficiency

Distance Distribution over Day

Distance [km]

with customer ▲ pickup ▲ rebalance

Occupancy and Distance Ratios

Occupancy and Distance Ratios. X-axis: Time (00:00 to 04:00). Y-axis: Occupancy / Distance Ratio (0.00 to 1.00). Legend: occupancy ratio, distance ratio.

Number Passengers

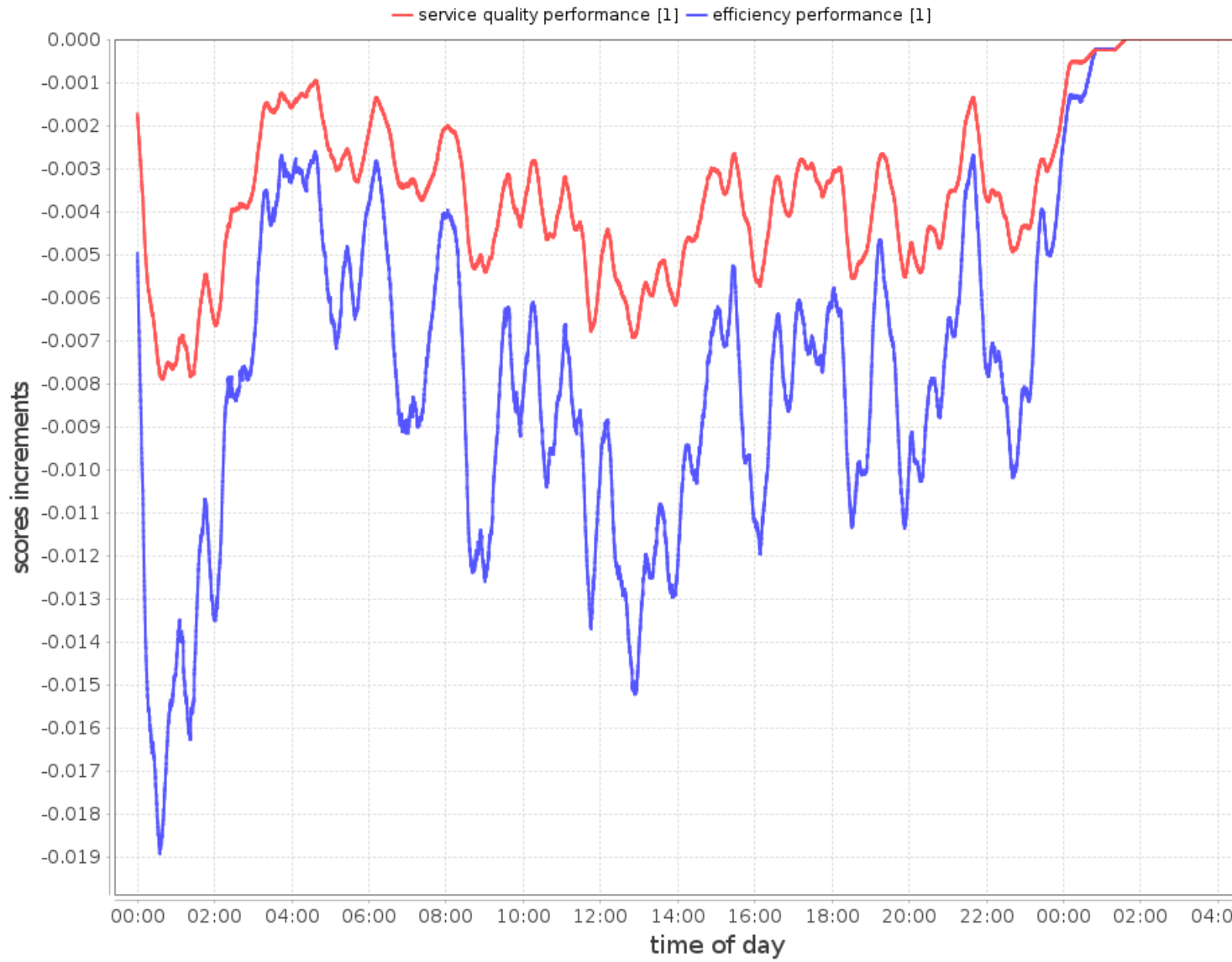1 Passenger pickup rebalance stay off service
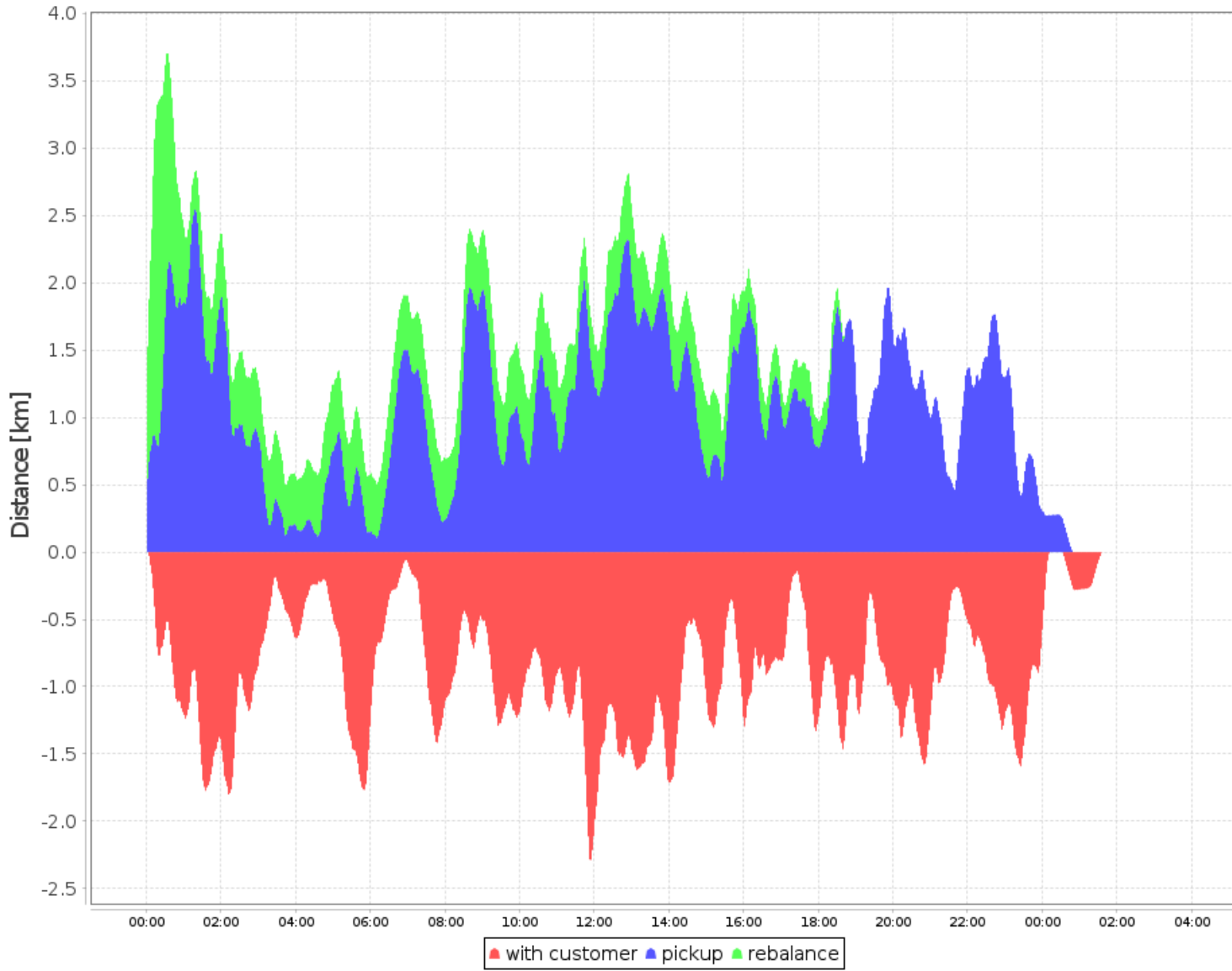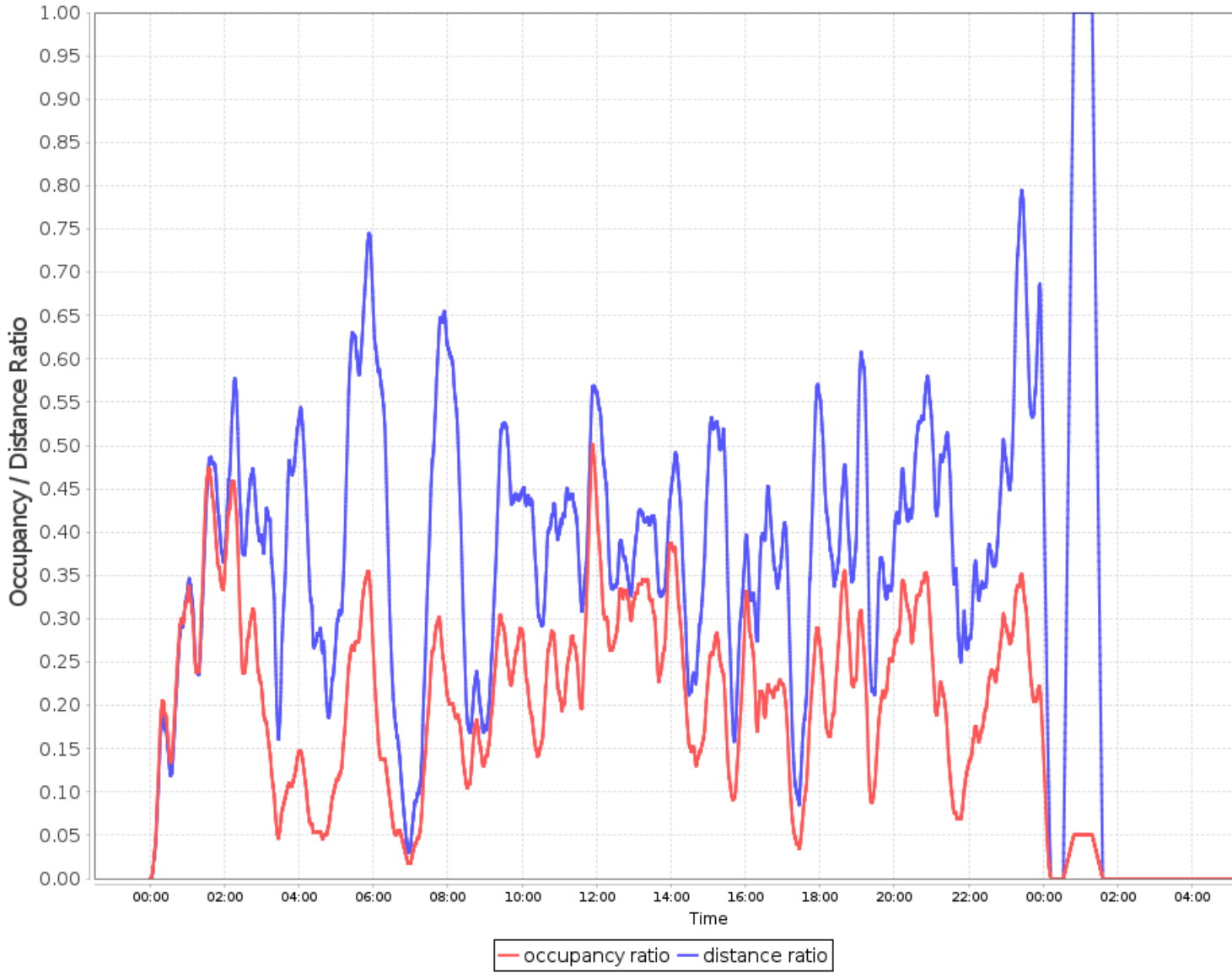
Ride Sharing Distribution, fraction of Requests

1 Passengers
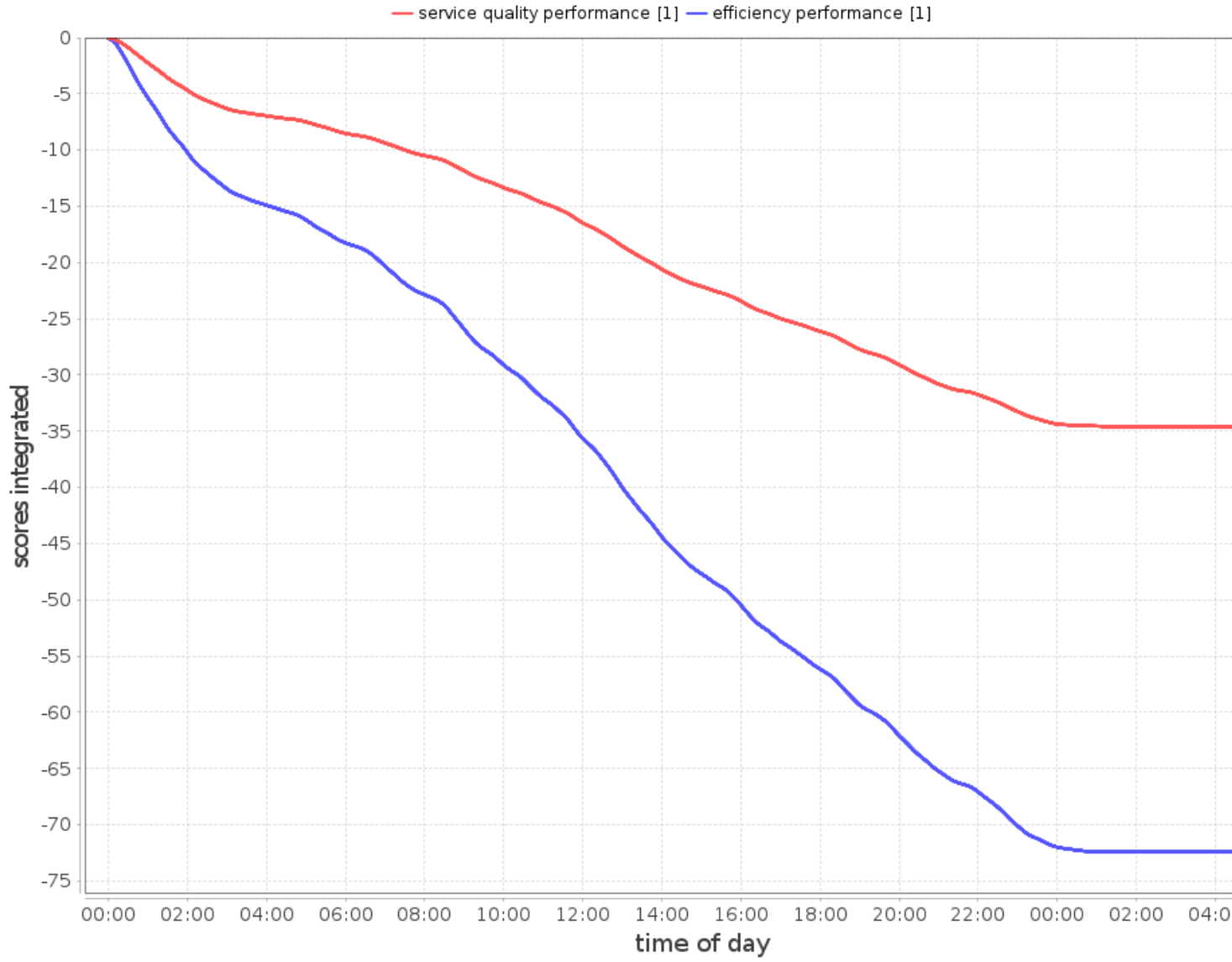
Aido Scores

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
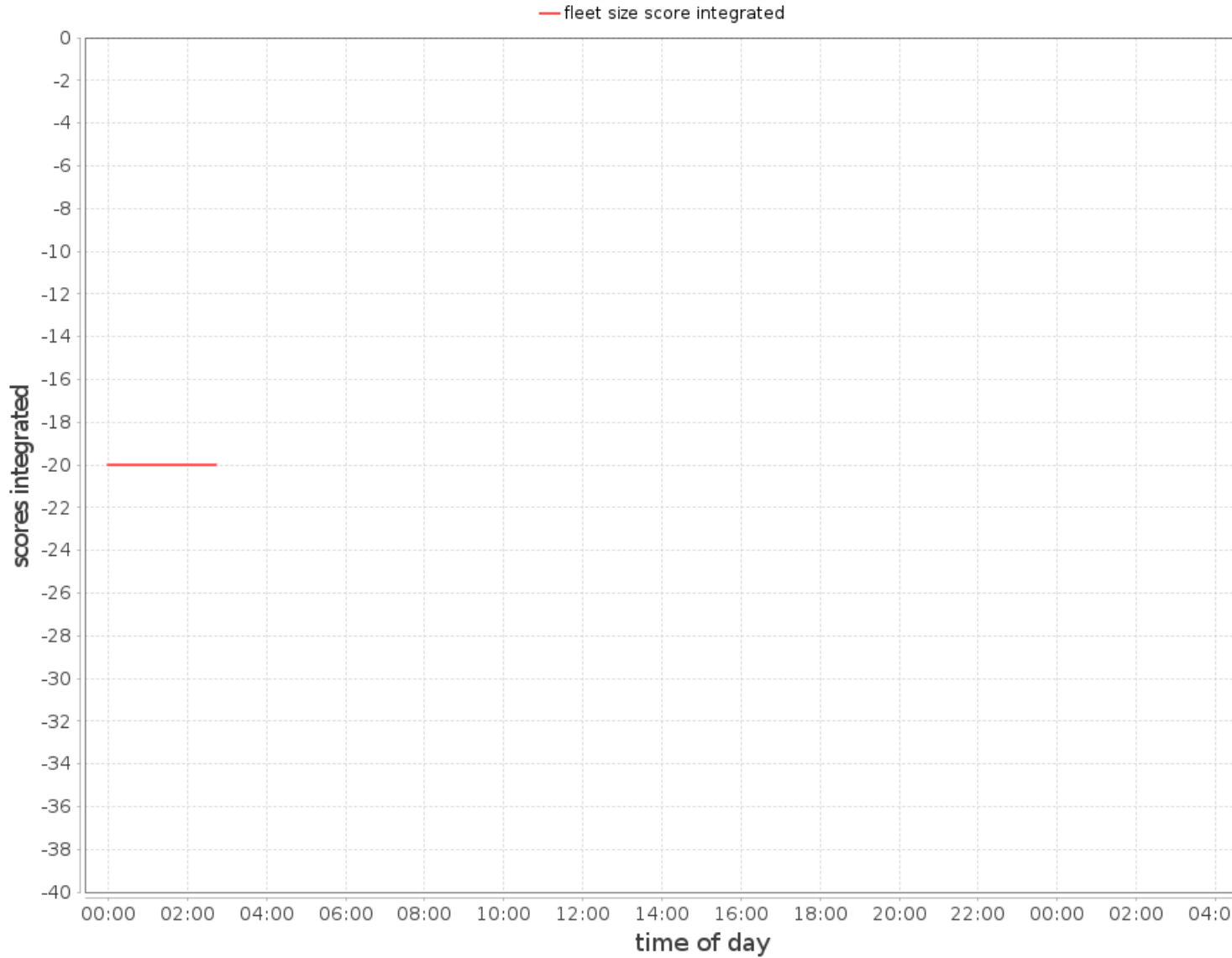
Final Scores

final service quality score:	-34.590523321084206
final efficiency score:	-72.41689328433715
final fleet size score:	-Infinity