AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2019/05/01 - 17:49:46
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

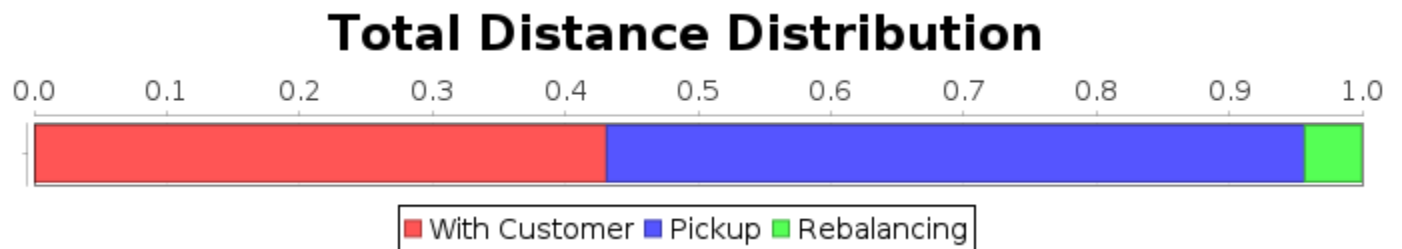# Aggregated Results

Distance Ratio: 43.12%

Occupancy Ratio: 17.86 %

Distances

Total: 19011.81 km

Rebalancing: 820.93 km (4.32%)

Pickup: 9992.55 km (52.56%)

With Customer: 8198.33 km (43.12%)

Average Trip Distance: 16.40 km

Total Distance Distribution

Legend: With Customer, Pickup, Rebalancing

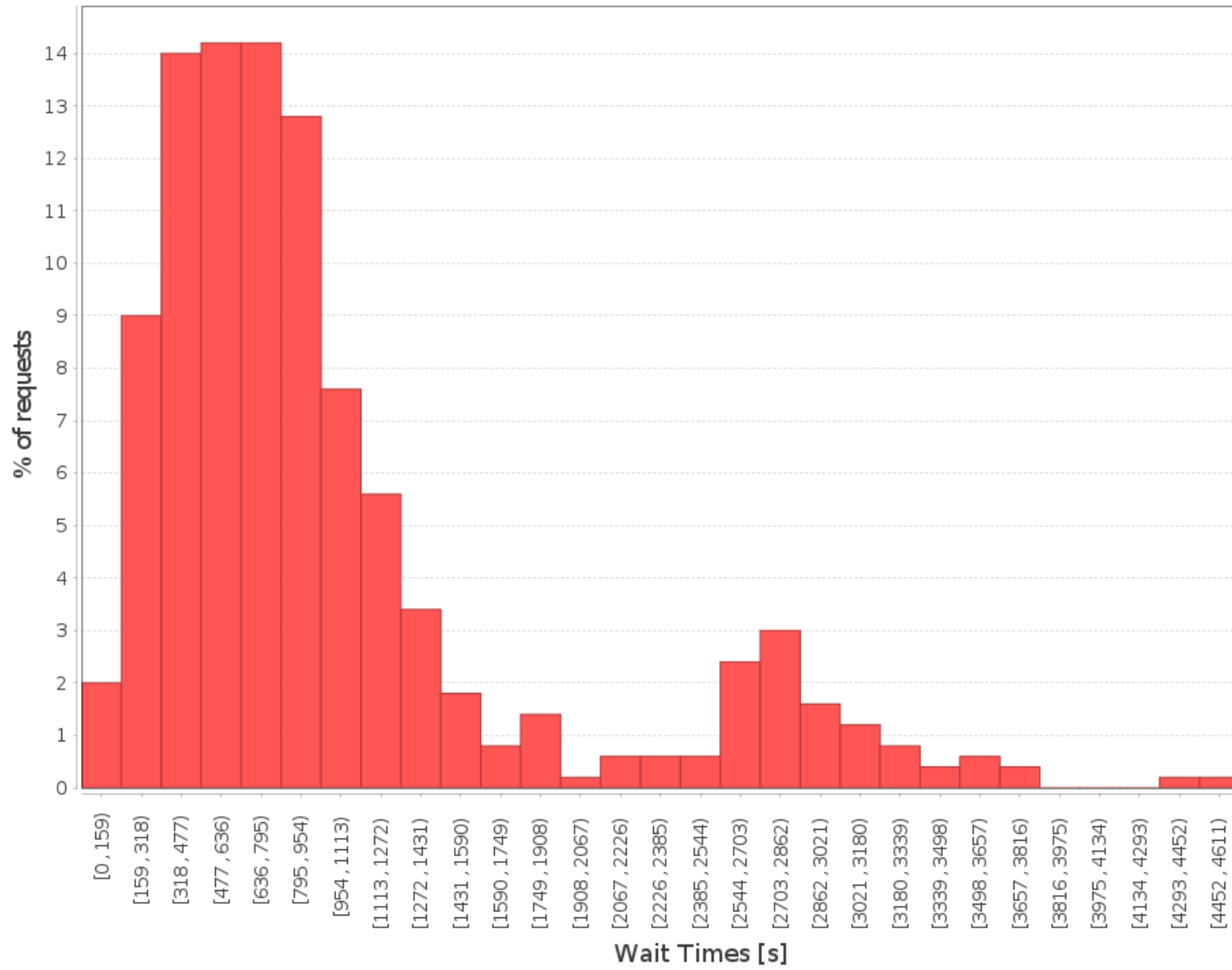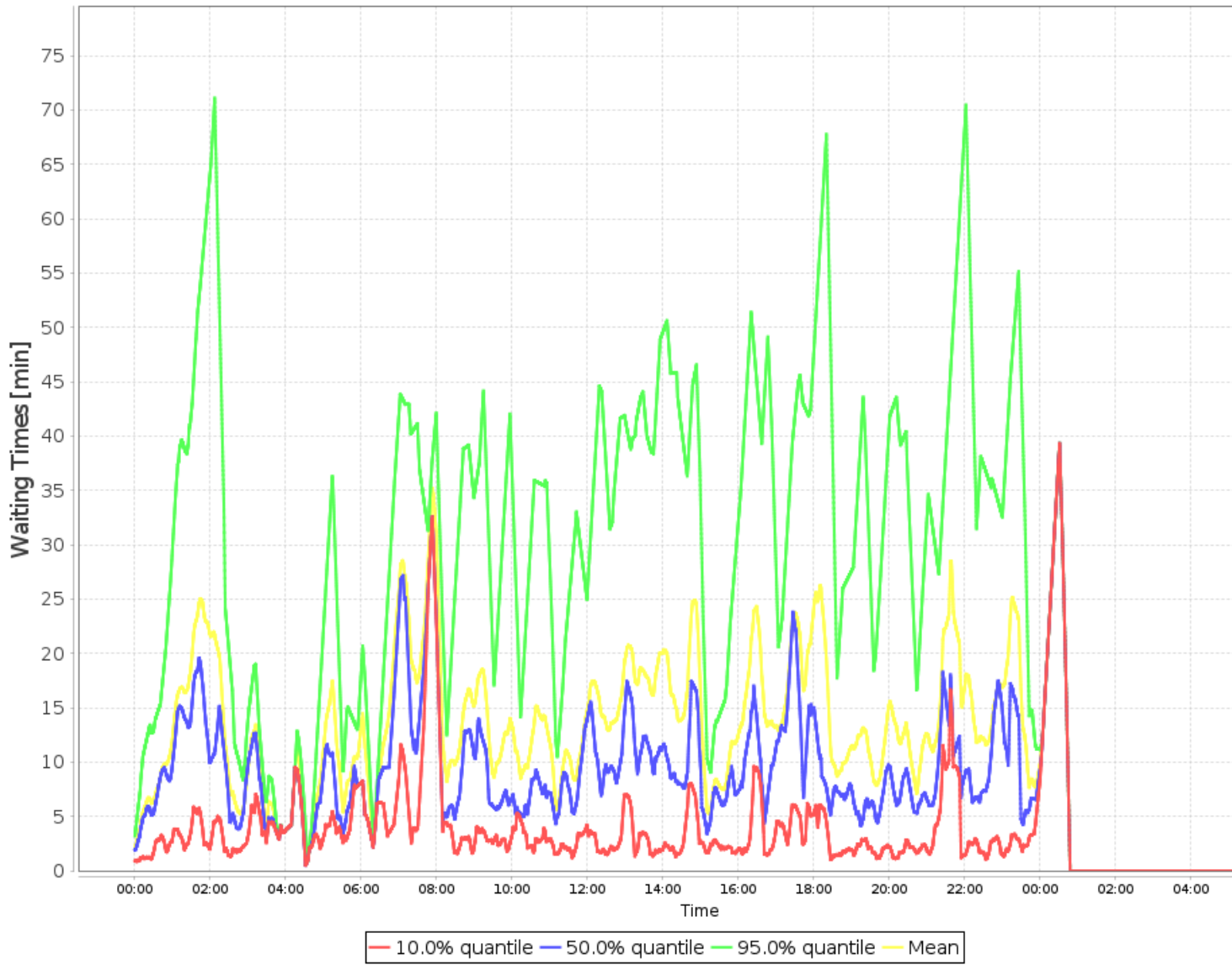## Wait Times

10.0% quantile   00:05:04

50.0% quantile   00:12:33

95.0% quantile   00:47:56

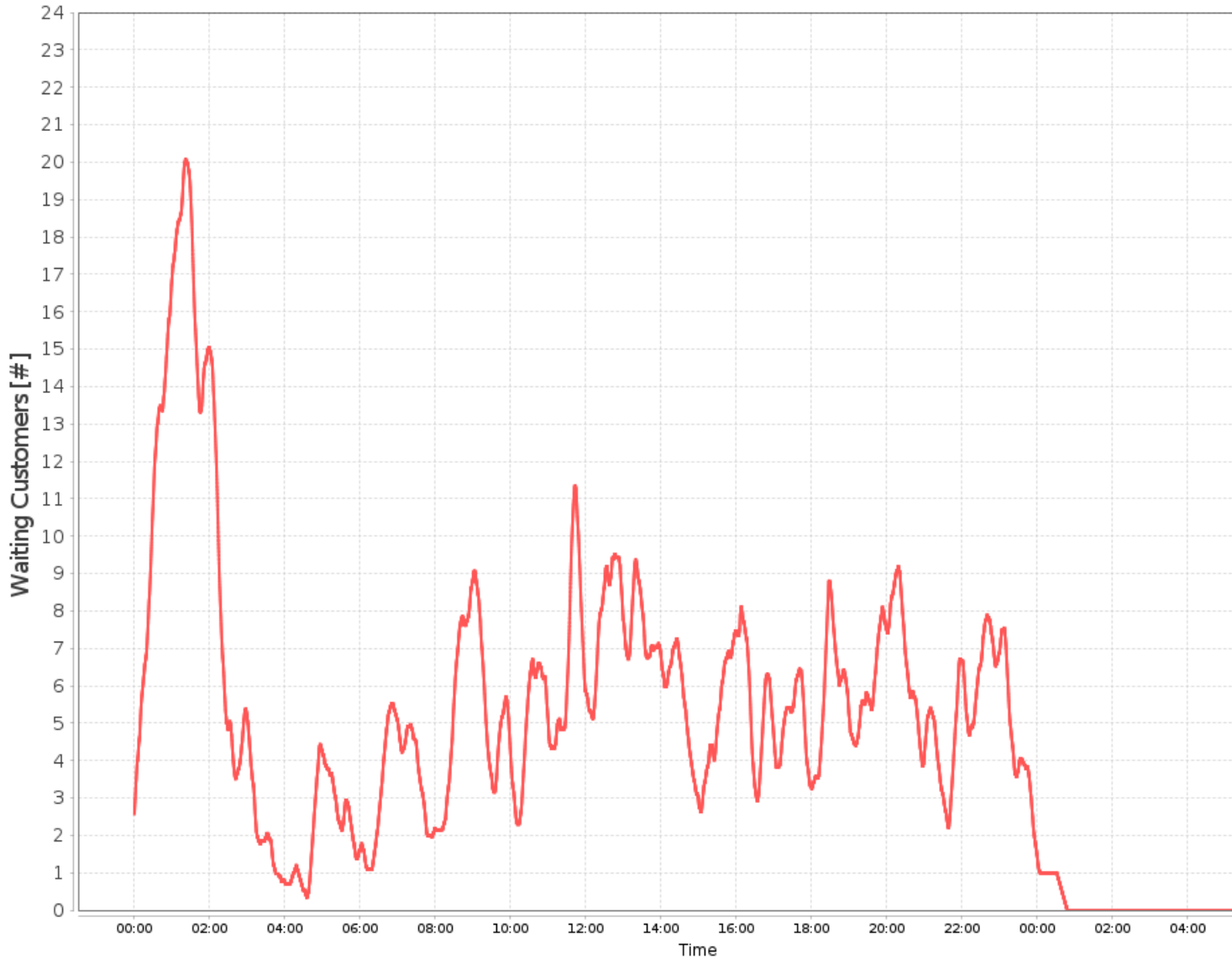Mean   00:16:58

Maximum: 01:19:37
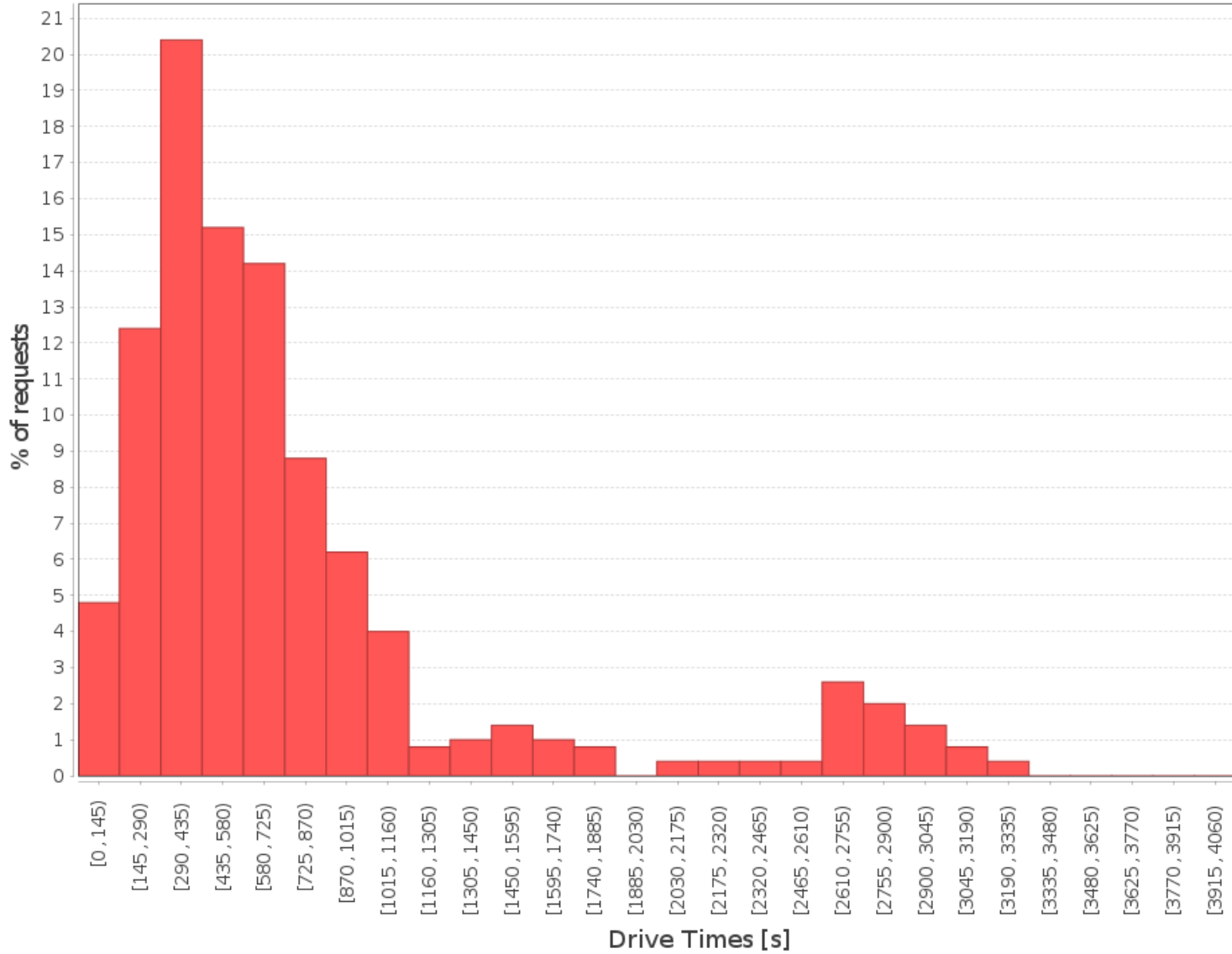
Number of Requests per Wait Time

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	00:11:46
50.0% quantile	00:22:51
95.0% quantile	01:21:21
Mean	00:29:50
Maximum:	01:59:06

Number of Requests per Total Journey Time

% of requests

Total Journey Times [s]
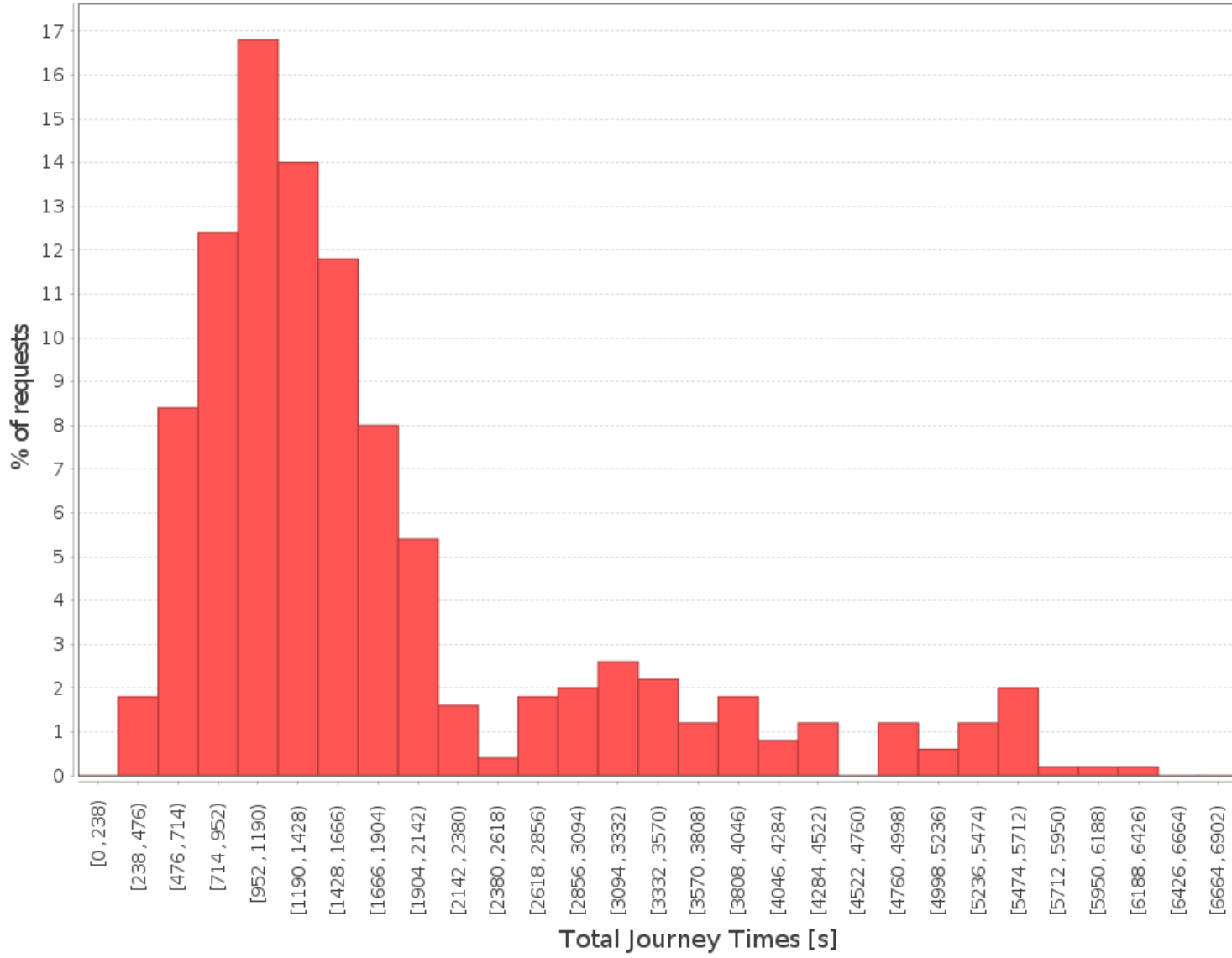
Fleet Efficiency

Distance Distribution over Day
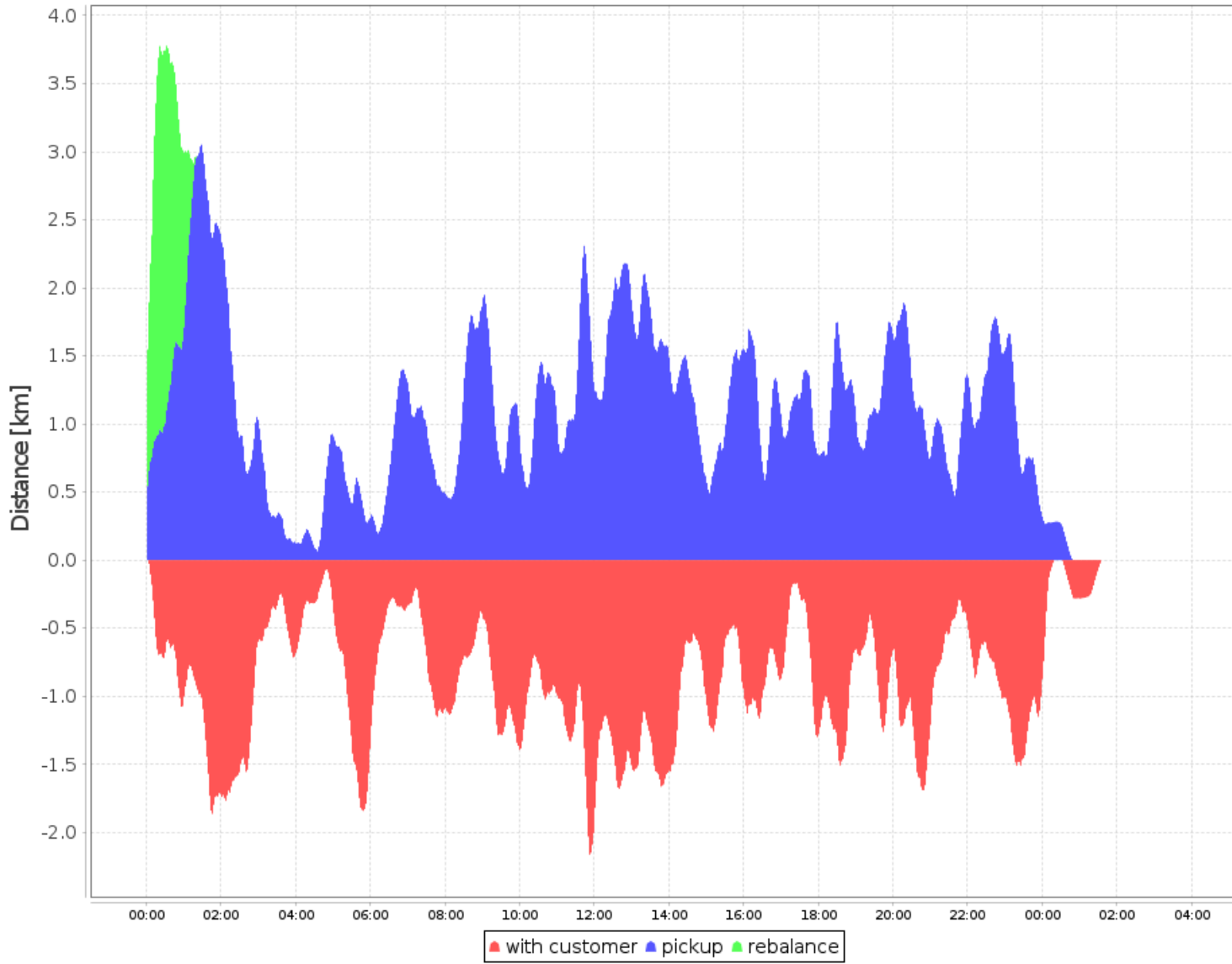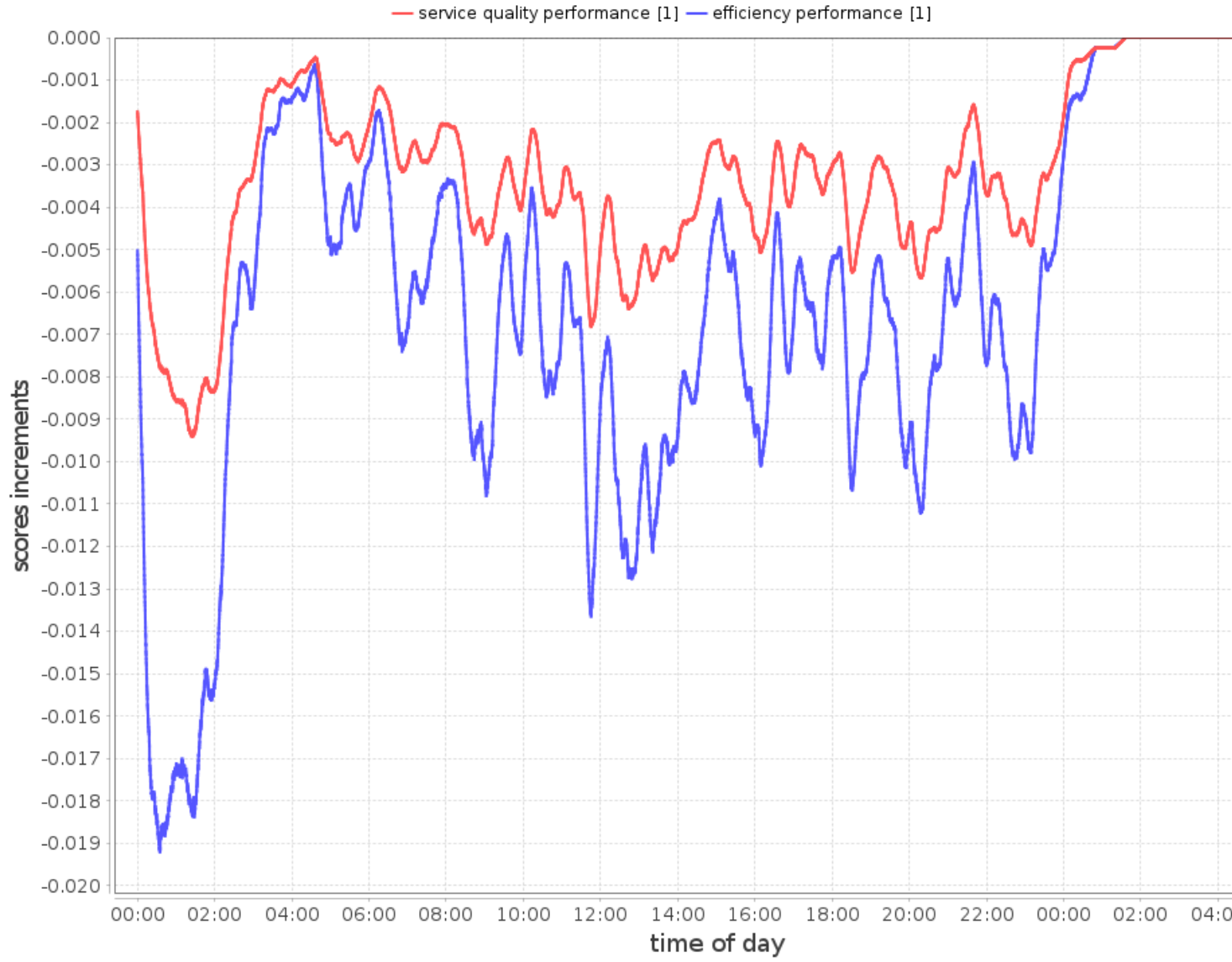
Occupancy and Distance Ratios

Number Passengers

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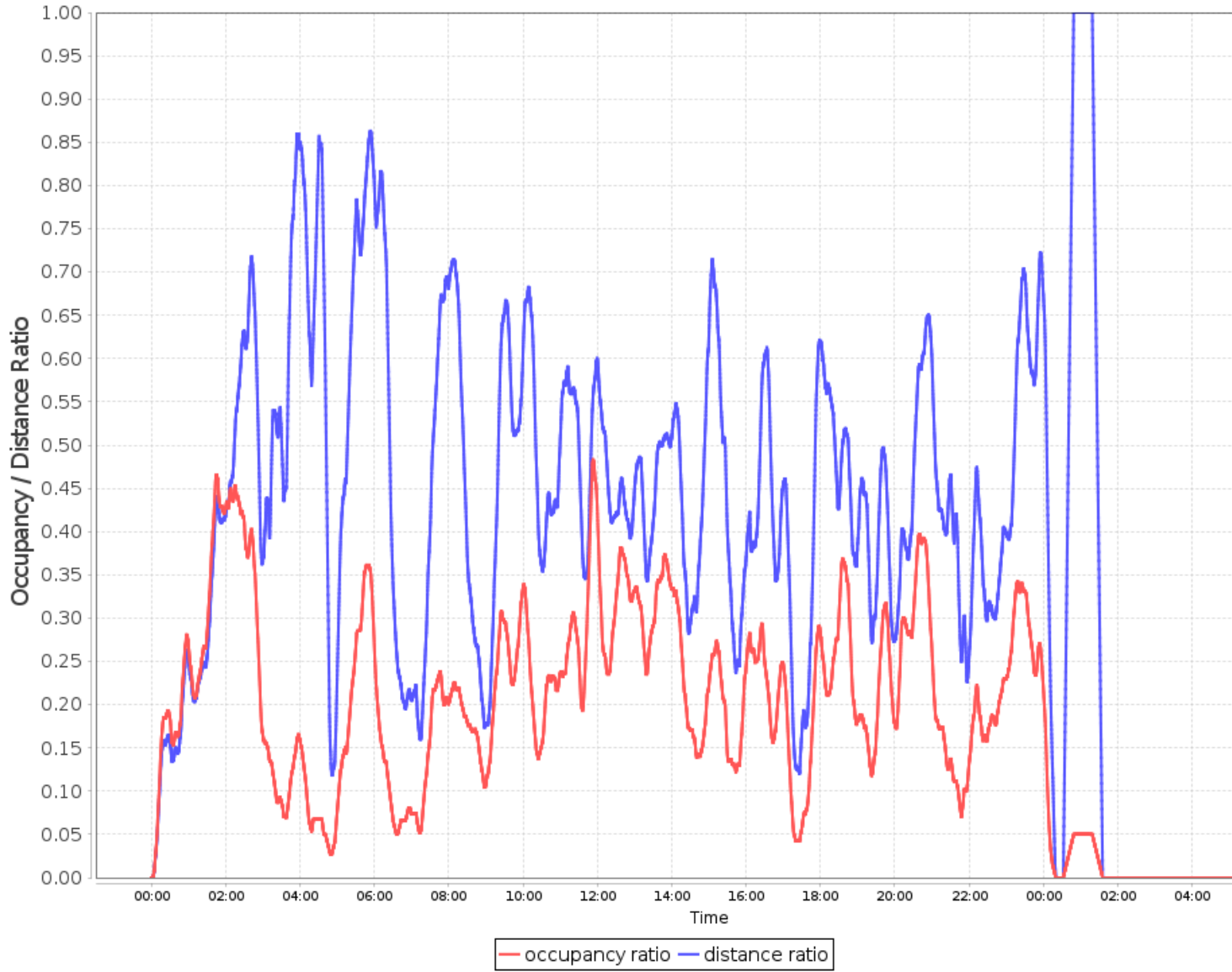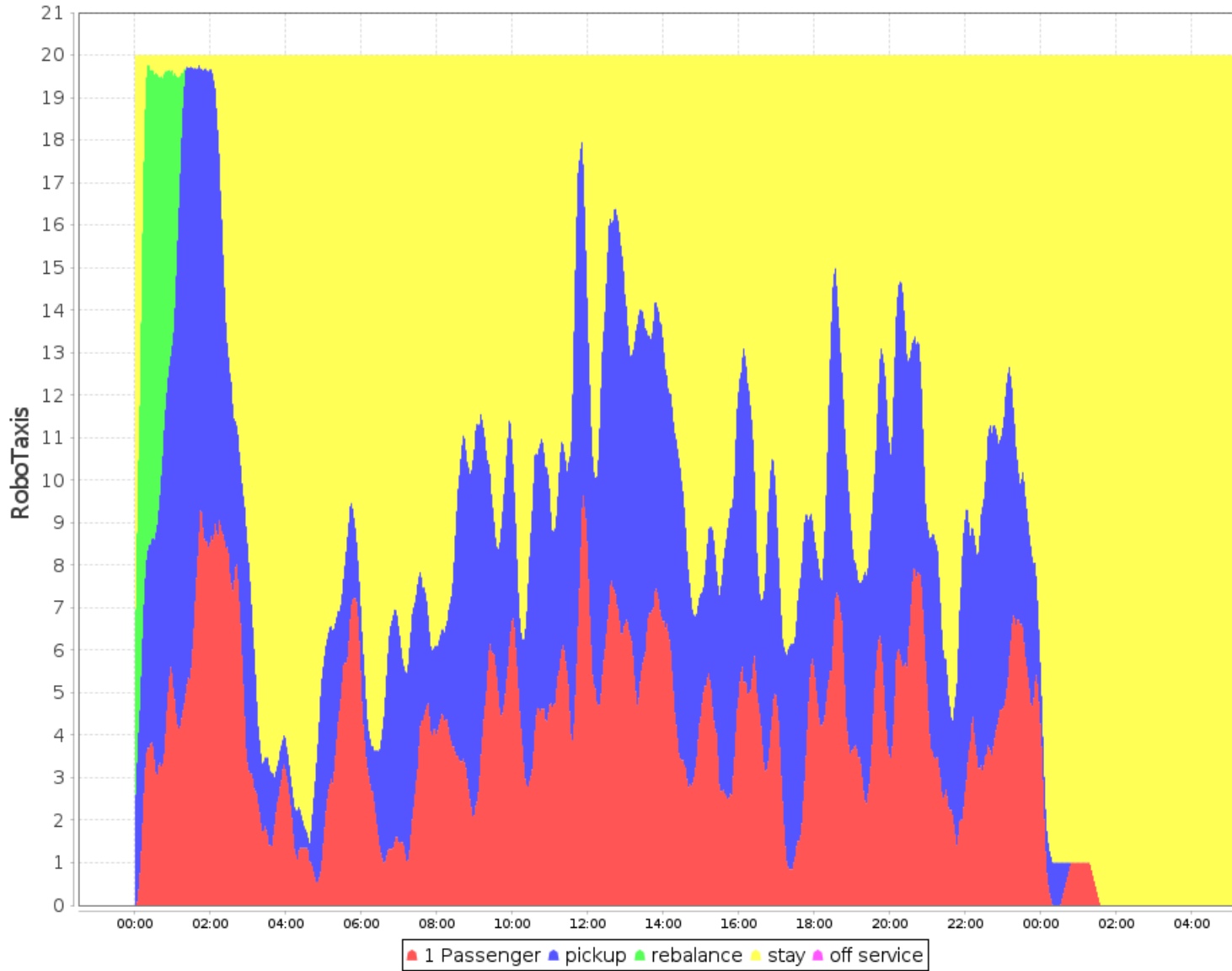
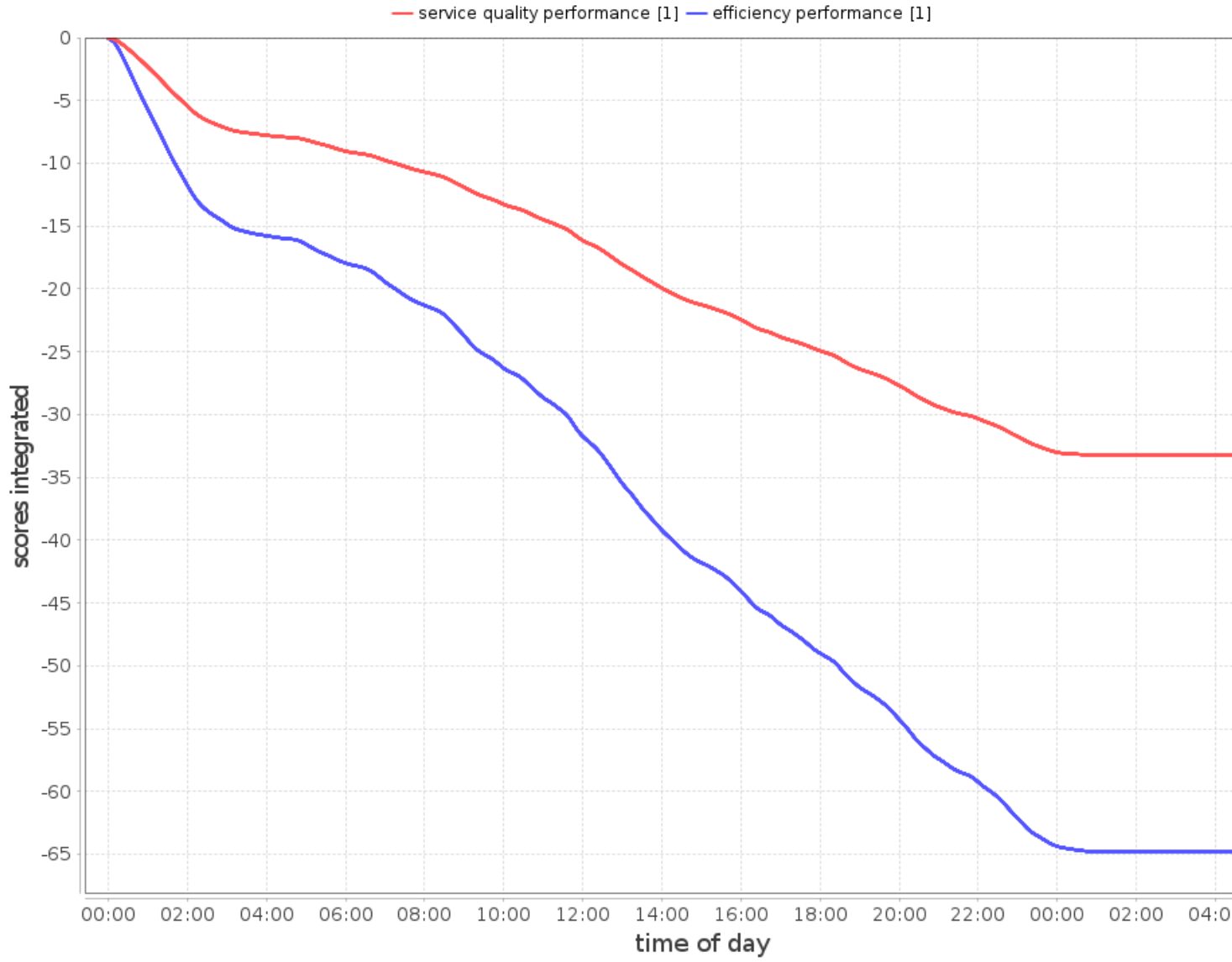# Ride Sharing Distribution, fraction of Requests

■ 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

scores integrated vs time of day
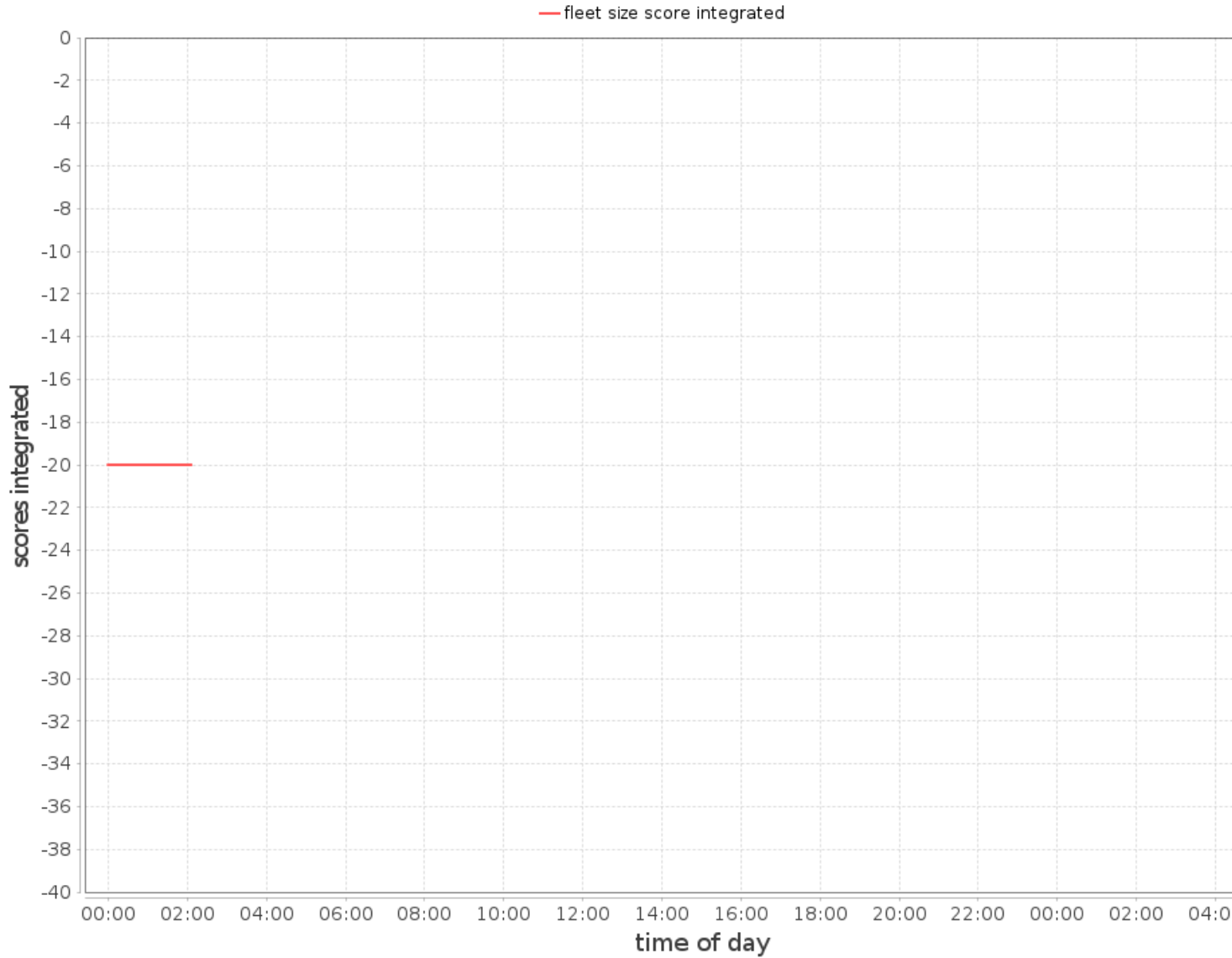
Final Scores

final service quality score:	-33.25468012952383
final efficiency score:	-64.79732051809536
final fleet size score:	-Infinity