AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2018/12/06 - 19:27:51
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: 63.68%

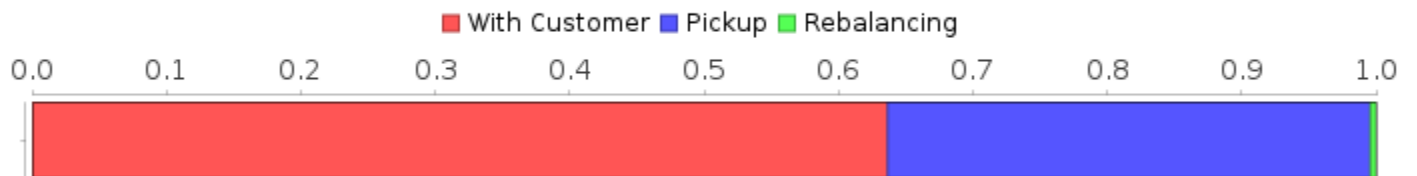Occupancy Ratio: 17.86 %

Distances

    Total: 12859.86 km

    Rebalancing: 52.28 km (0.41%)

    Pickup: 4618.96 km (35.92%)

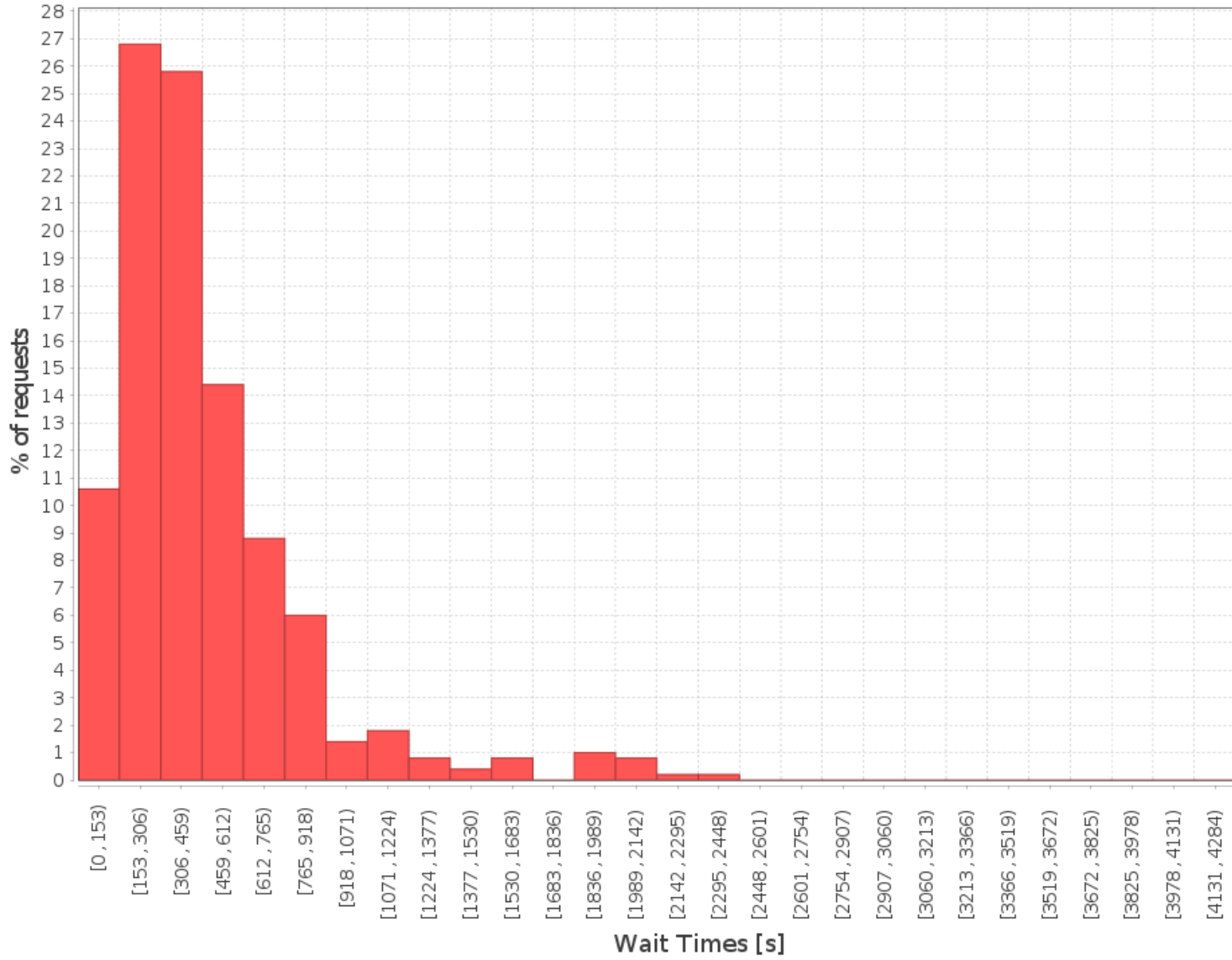   With Customer: 8188.62 km (63.68%)

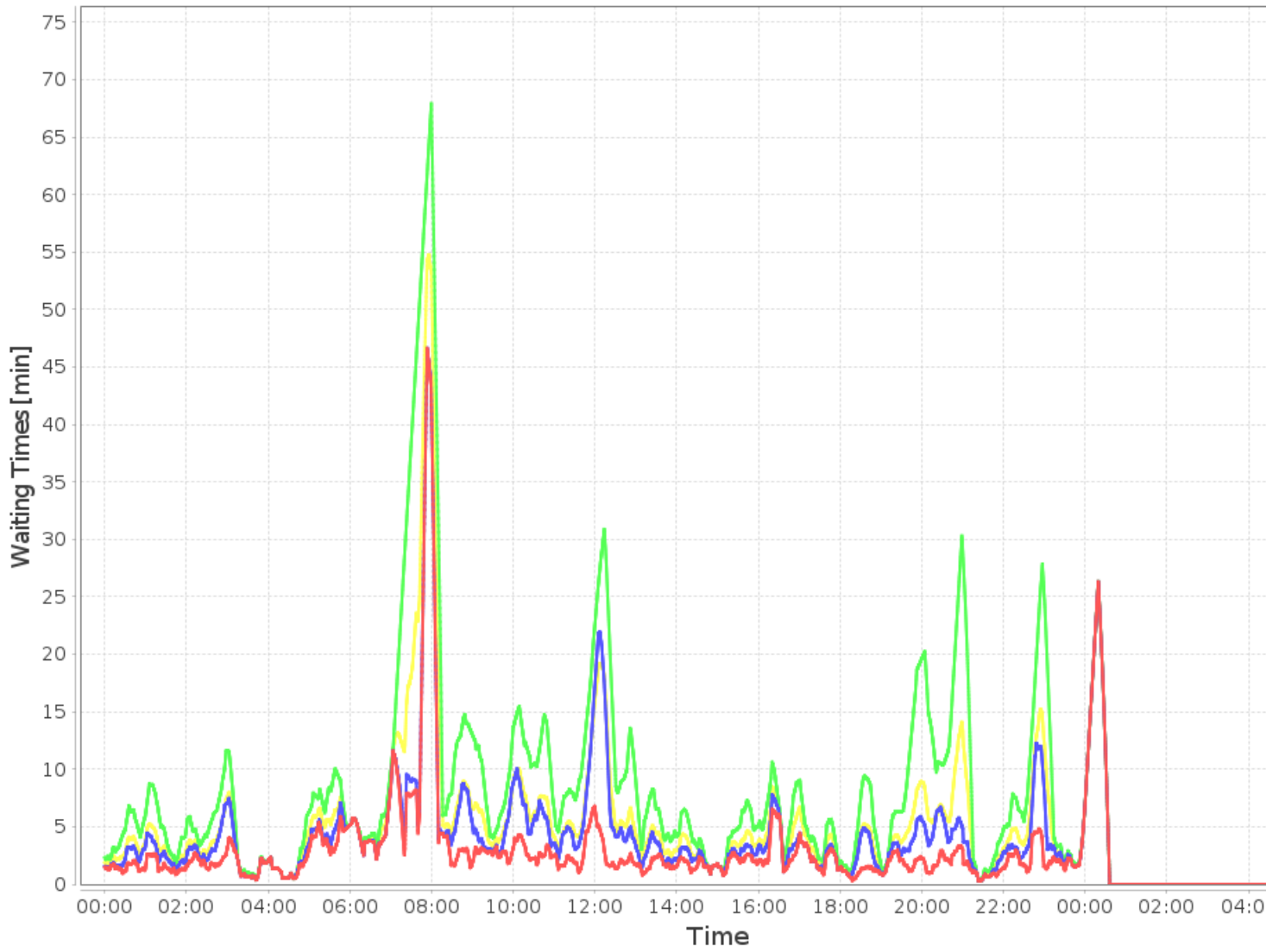Average Trip Distance: 16.38 km

Total Distance Distribution

■ With Customer ■ Pickup ■ Rebalancing

0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0

Wait Times

    10.0% quantile   00:02:24

    50.0% quantile   00:06:16

    95.0% quantile   00:19:10

    Mean   00:07:53

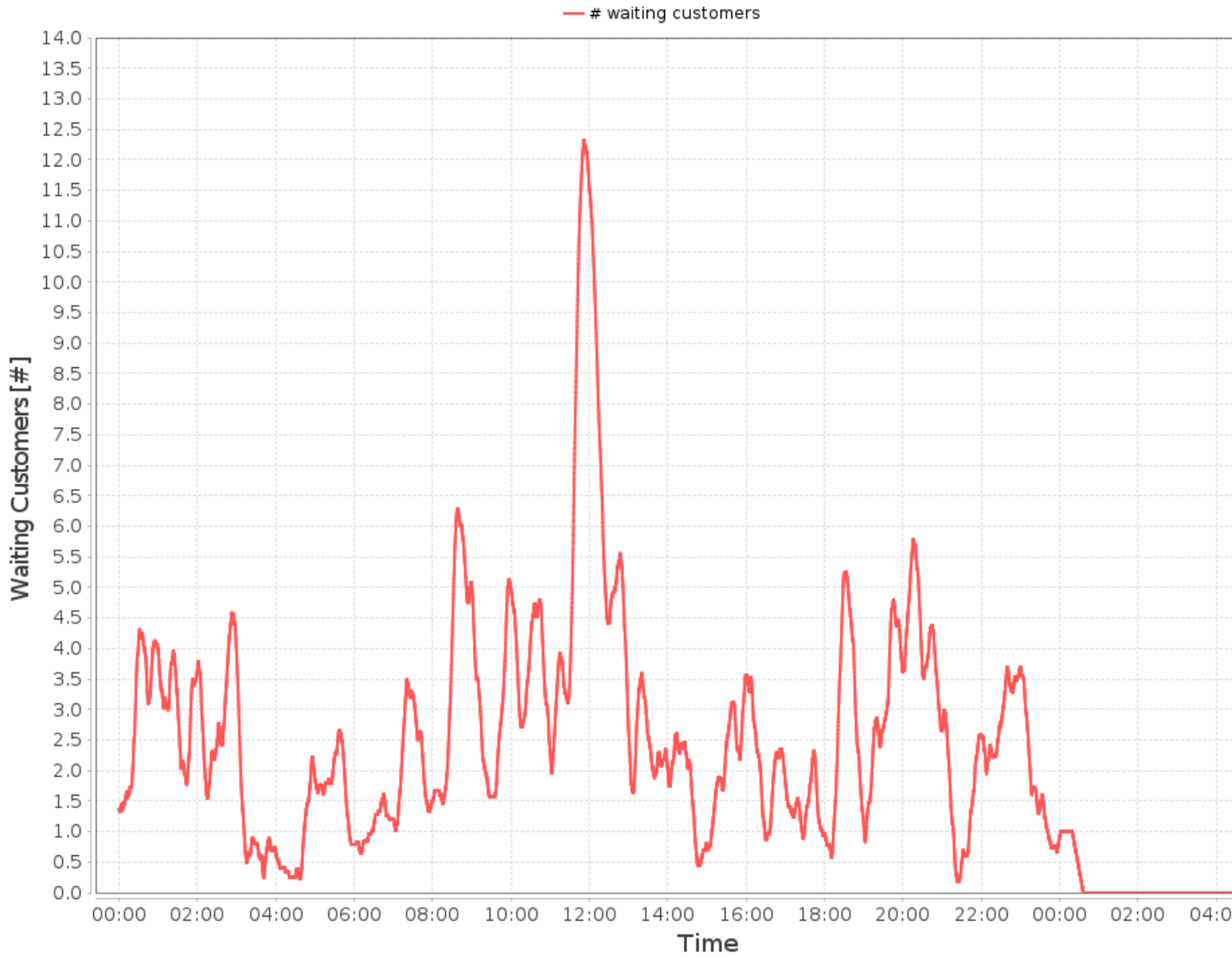   Maximum: 01:16:26

Number of Requests per Wait Time

Binned Waiting Times
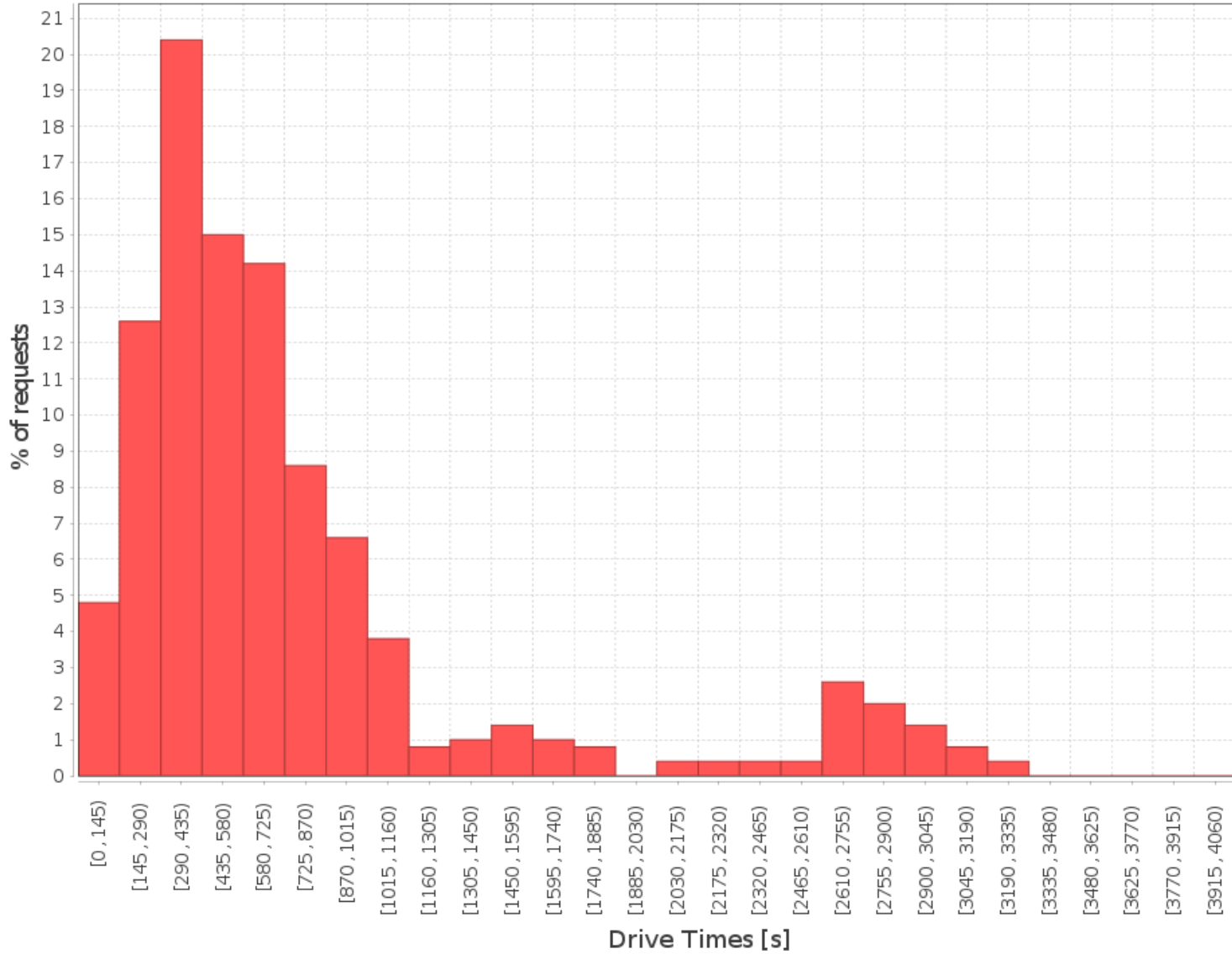
— 10.0% quantile — 50.0% quantile — 95.0% quantile — Mean

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

Total Journey Times

10.0% quantile	00:08:04
50.0% quantile	00:17:05
95.0% quantile	00:56:17
Mean	00:20:44
Maximum:	02:28:46

Number of Requests per Total Journey Time

% of requests

Total Journey Times [s]
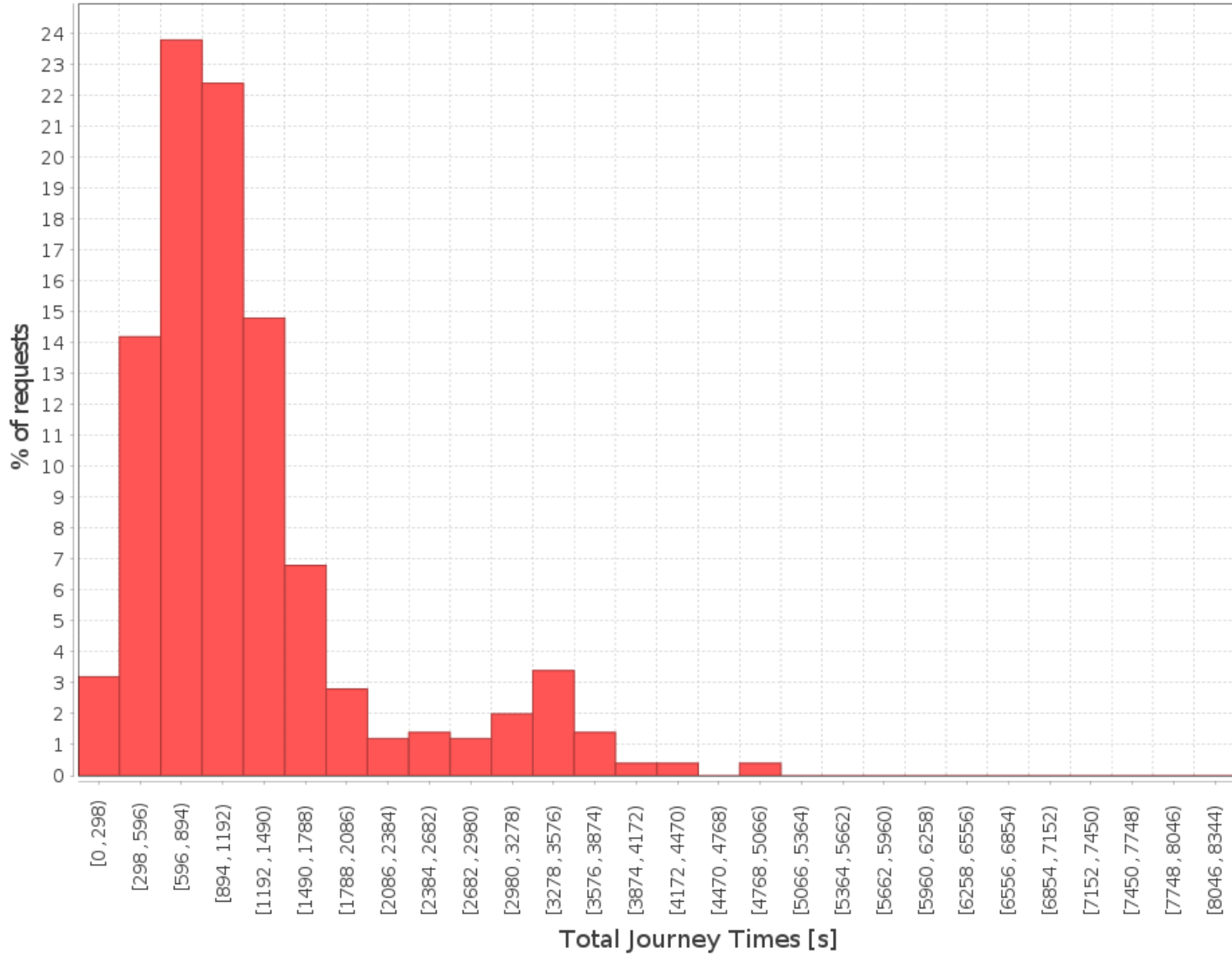
Fleet Efficiency

Distance Distribution over Day
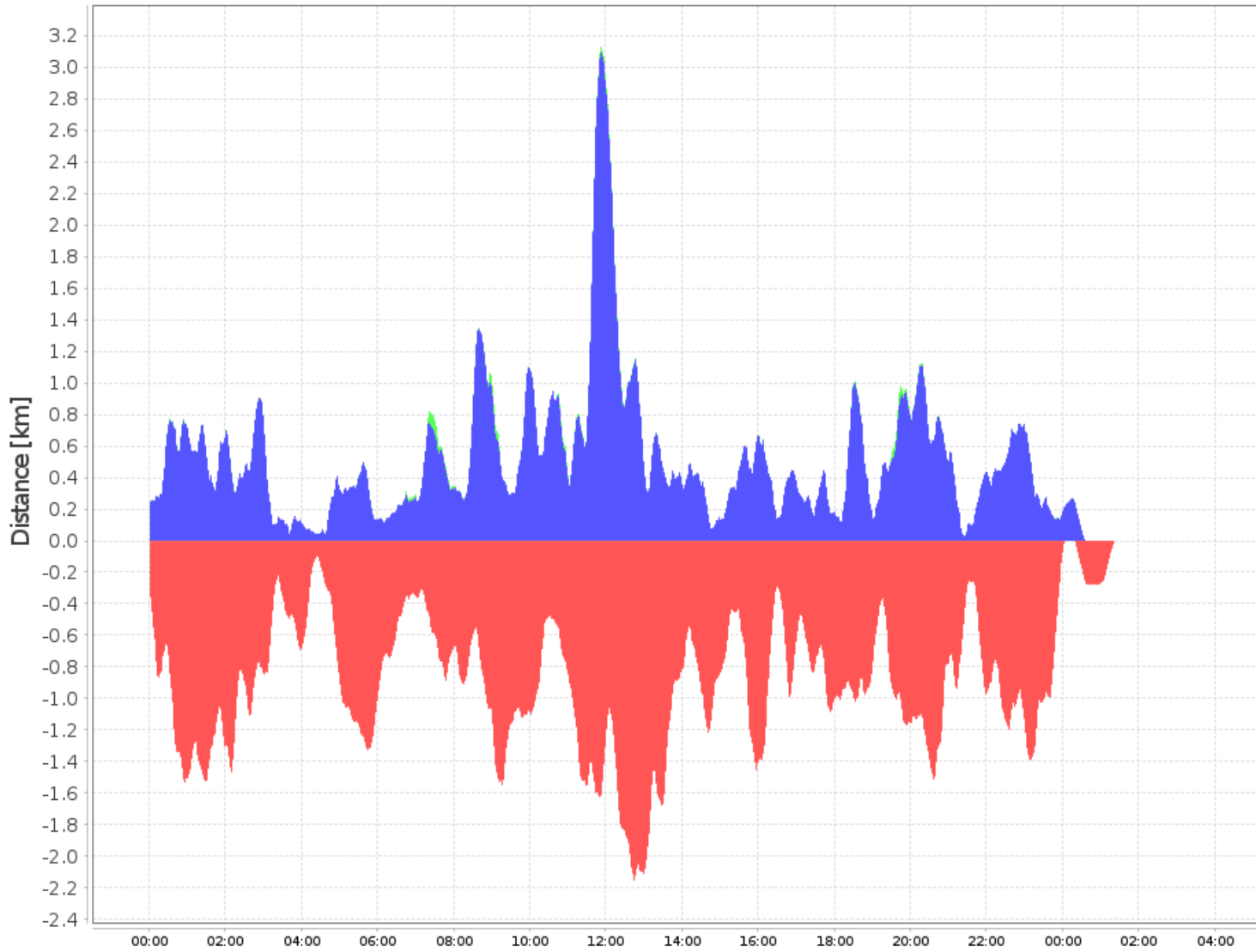
Occupancy and Distance Ratios

Status Distribution

▲ with customer ▲ pickup ▲ rebalance ▲ stay ▲ off service
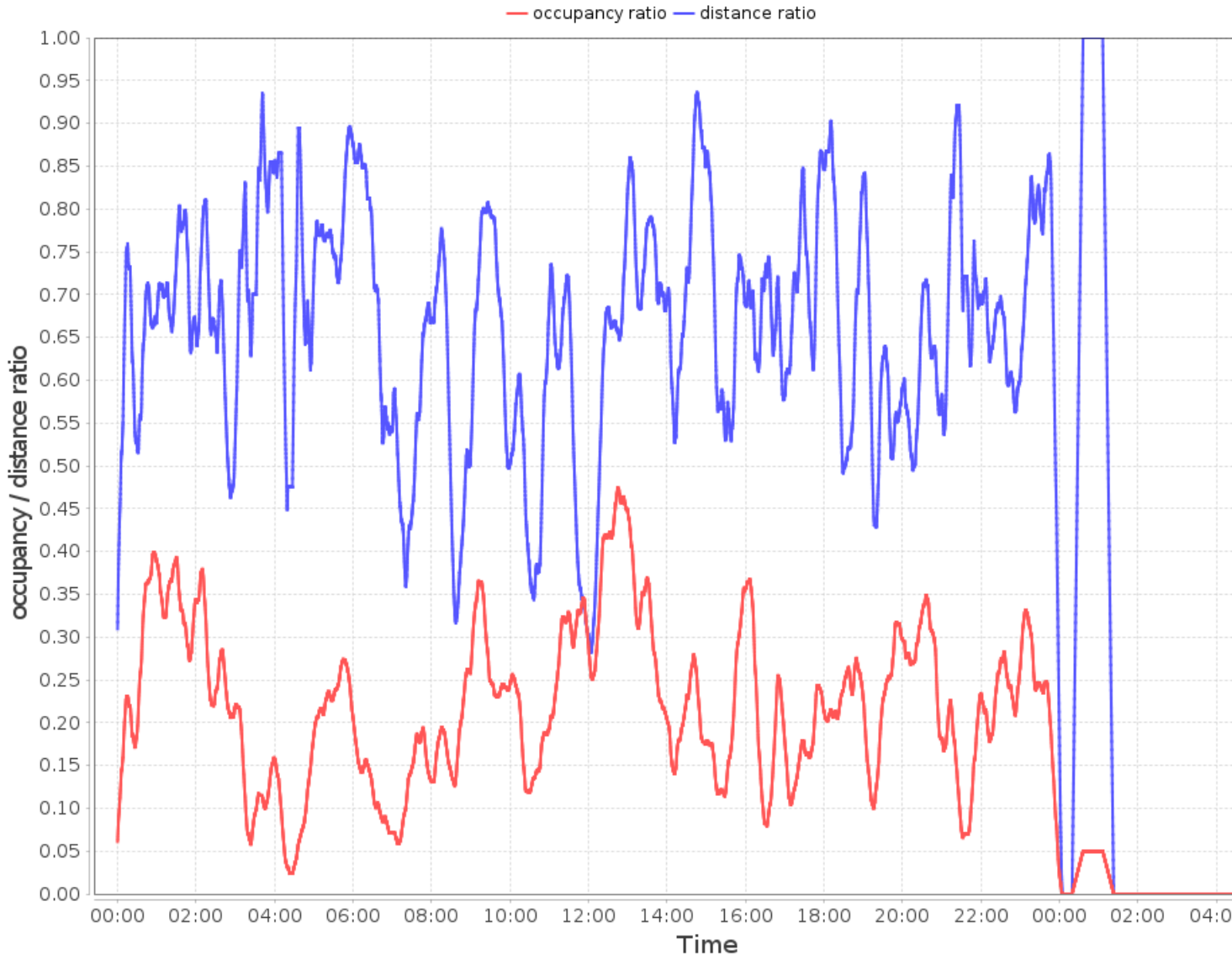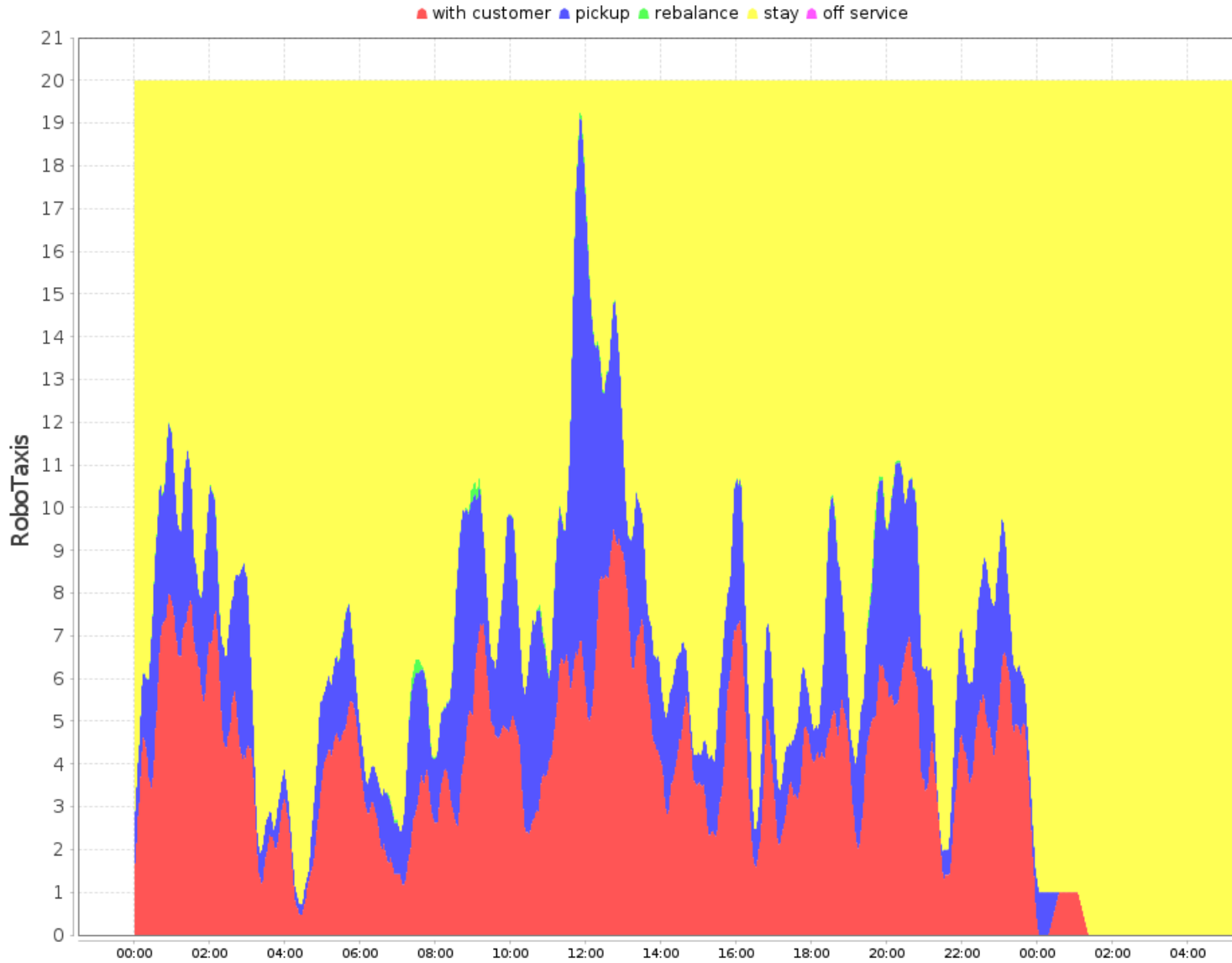
Aido Scores

Scores during Simulation

Service Quality and Efficiency Score Increments

— service quality performance [1] — efficiency performance [1]
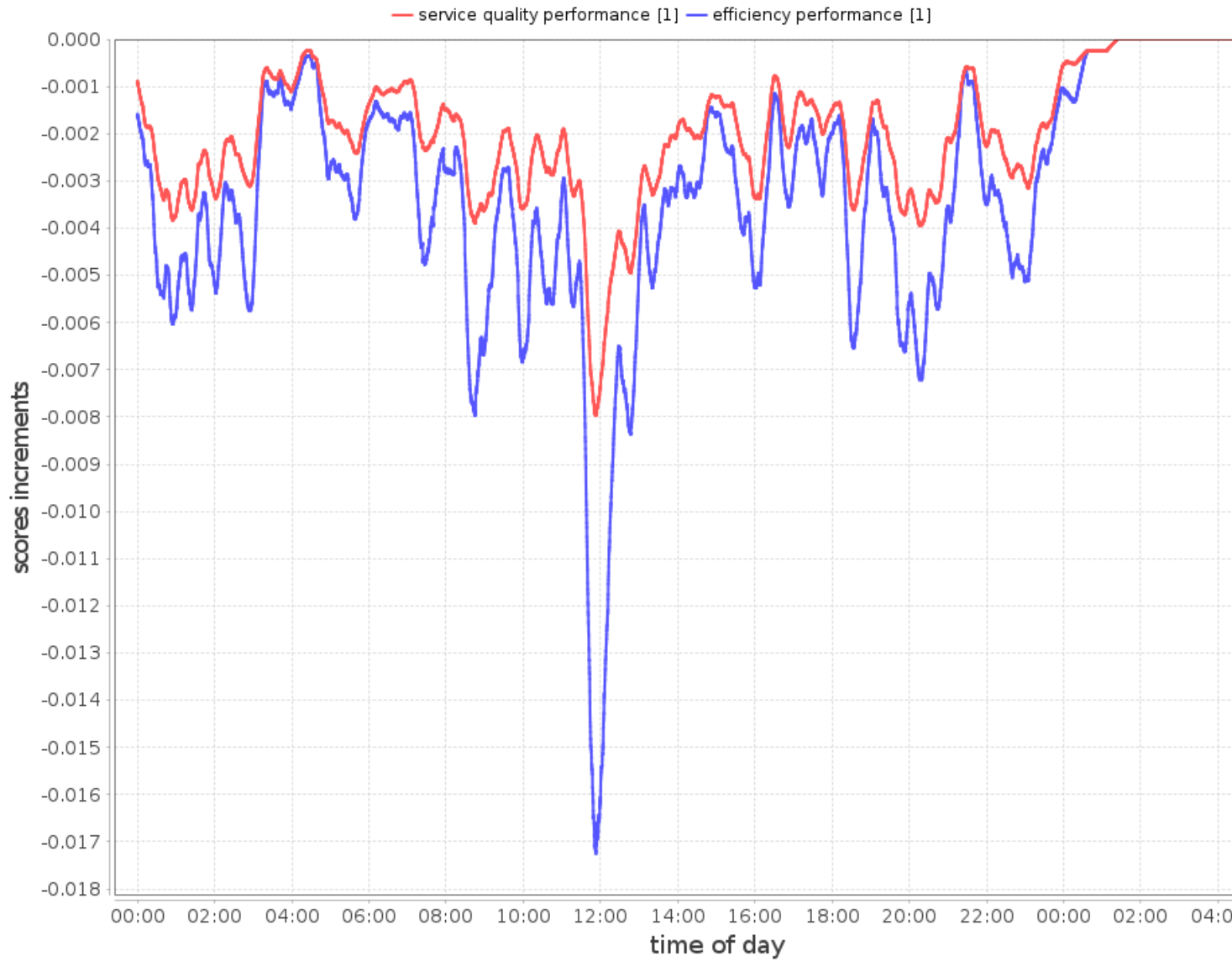
Service Quality and Efficiency Score Integrated

— service quality performance [1] — efficiency performance [1]
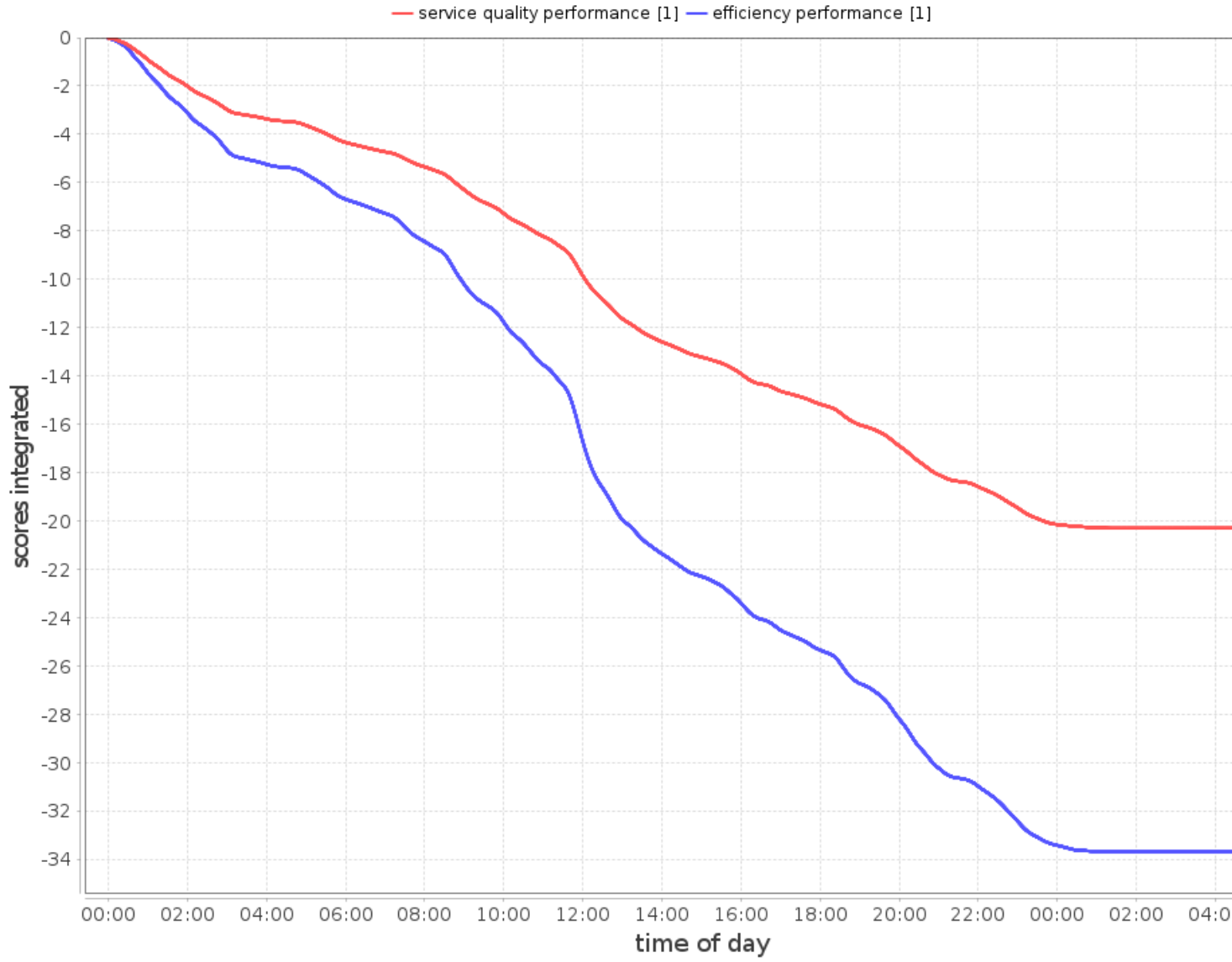
Fleet Size Score Integrated
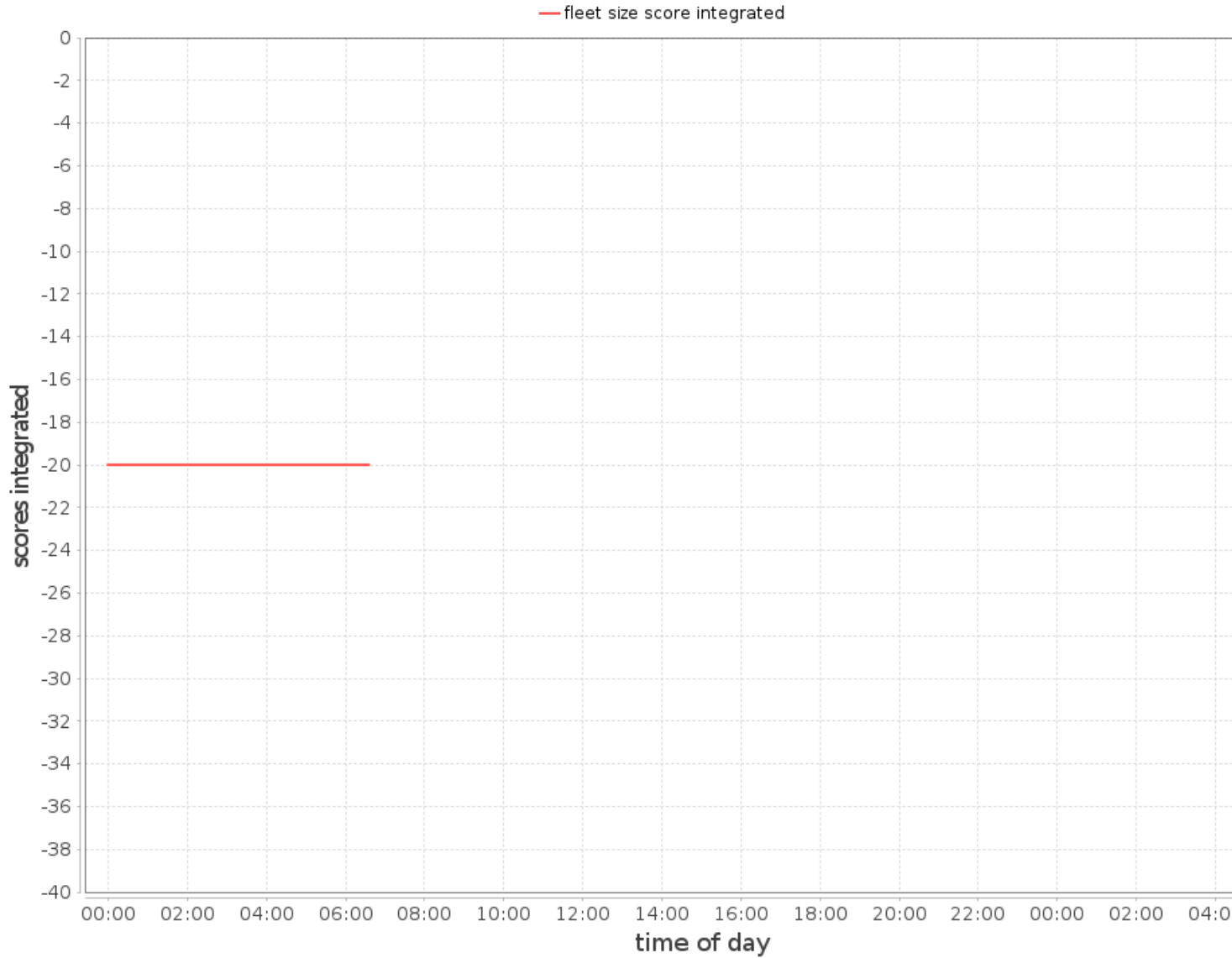
Final Scores

final service quality score:	-20.28668464892319
final efficiency score:	-33.67257859569076
final fleet size score:	-Infinity