AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2018/11/21 - 20:49:11
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:	41.88%
Occupancy Ratio:	17.86 %

Distances

Total:	19579.47 km
Rebalancing:	1550.21 km (7.92%)
Pickup:	9830.32 km (50.21%)
With Customer:	8198.95 km (41.88%)

Average Trip Distance:	16.40 km

Total Distance Distribution

■ With Customer ■ Pickup ■ Rebalancing
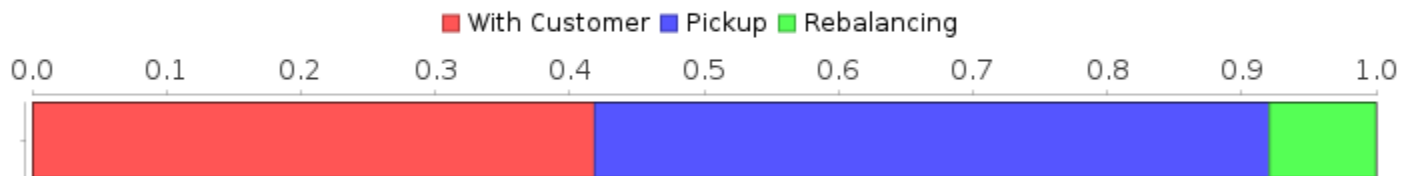
Wait Times

10.0% quantile	00:04:56
50.0% quantile	00:12:03
95.0% quantile	00:47:58
Mean	00:16:02
Maximum:	01:15:28

Number of Requests per Wait Time

Binned Waiting Times

Legend: 10.0% quantile (red), 50.0% quantile (blue), 95.0% quantile (green), Mean (yellow)

X-axis: Time — 00:00, 02:00, 04:00, 06:00, 08:00, 10:00, 12:00, 14:00, 16:00, 18:00, 20:00, 22:00, 00:00, 02:00, 04:0

Y-axis: Waiting Times [min] — 0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75
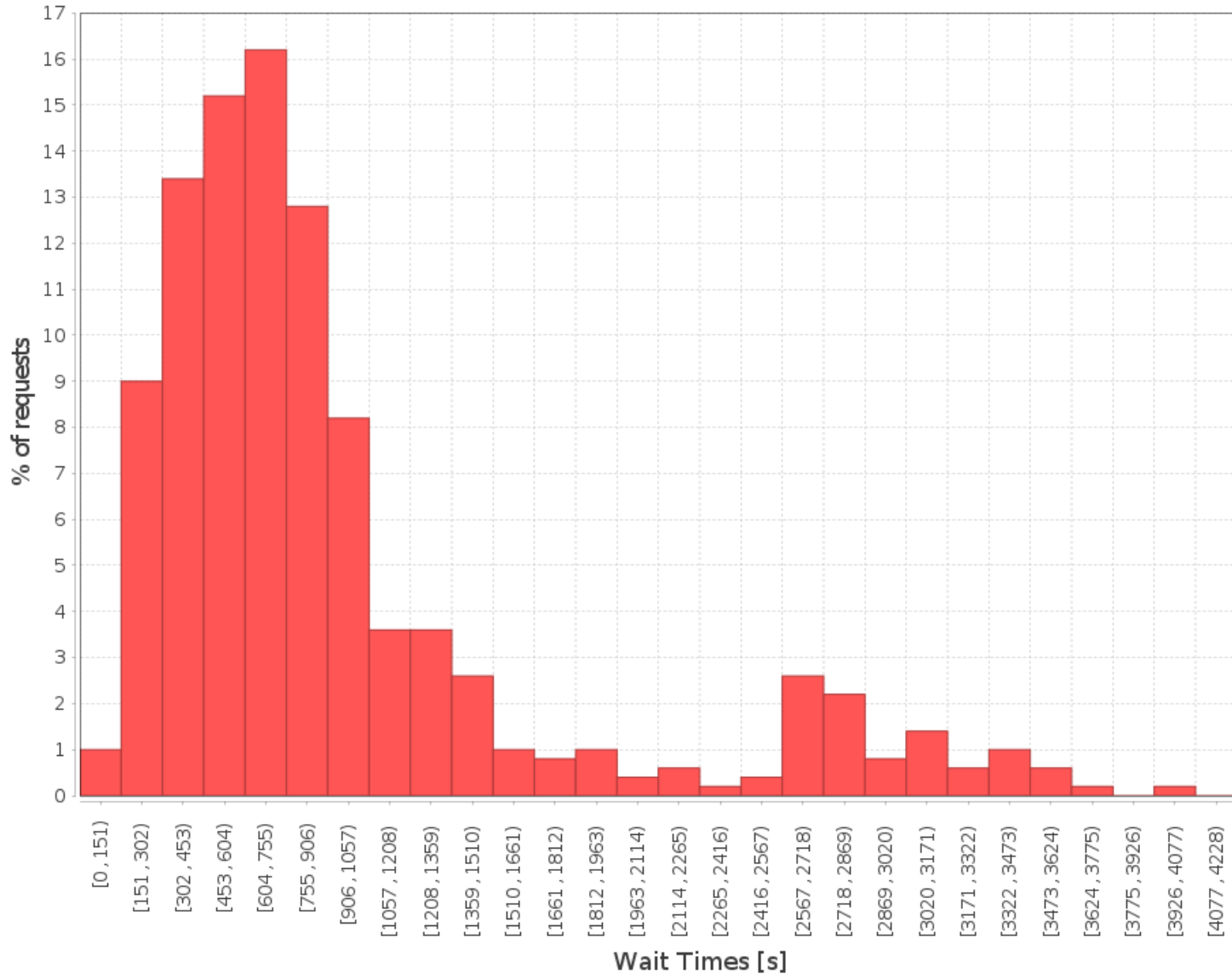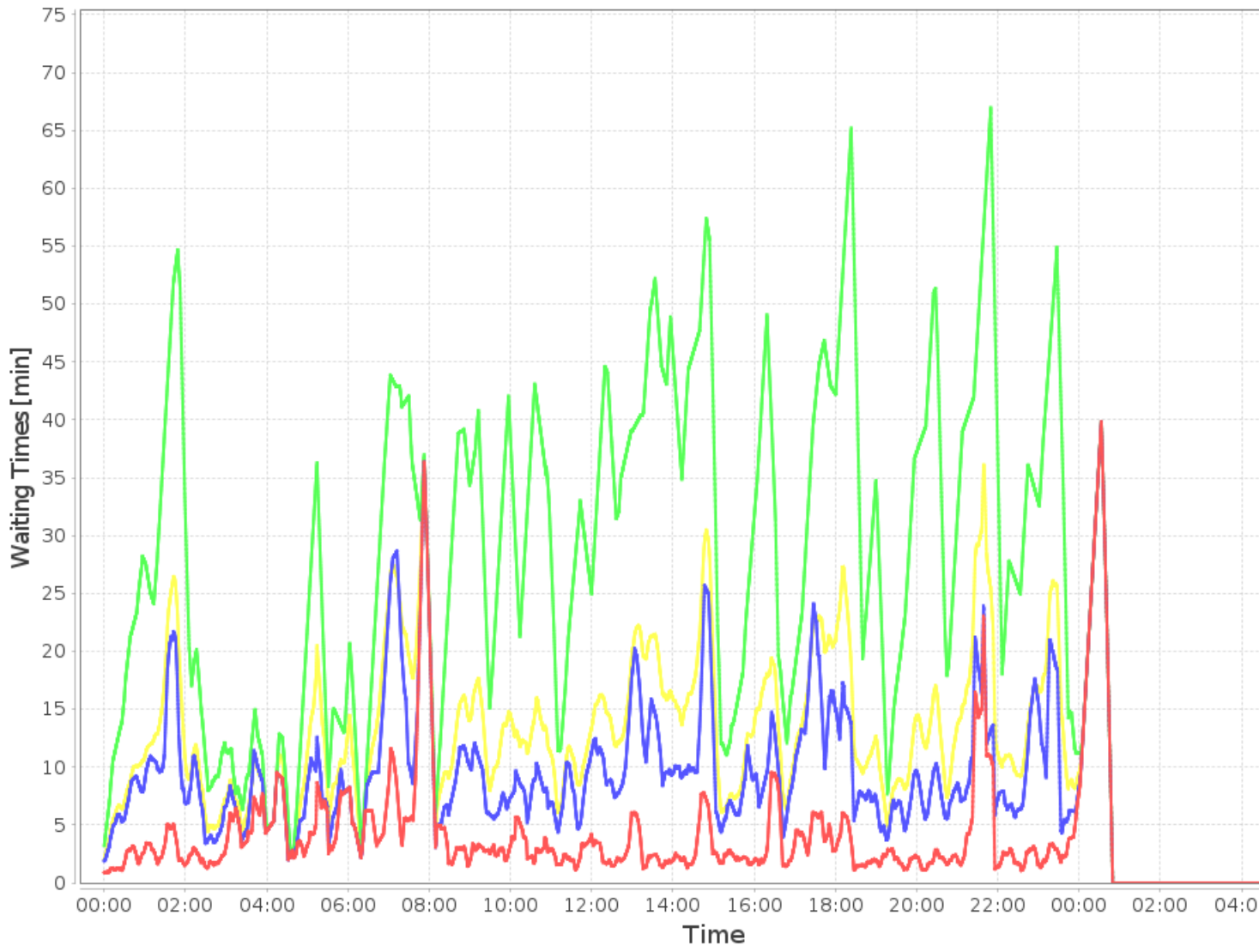
Waiting Customers per Day Time

— # waiting customers
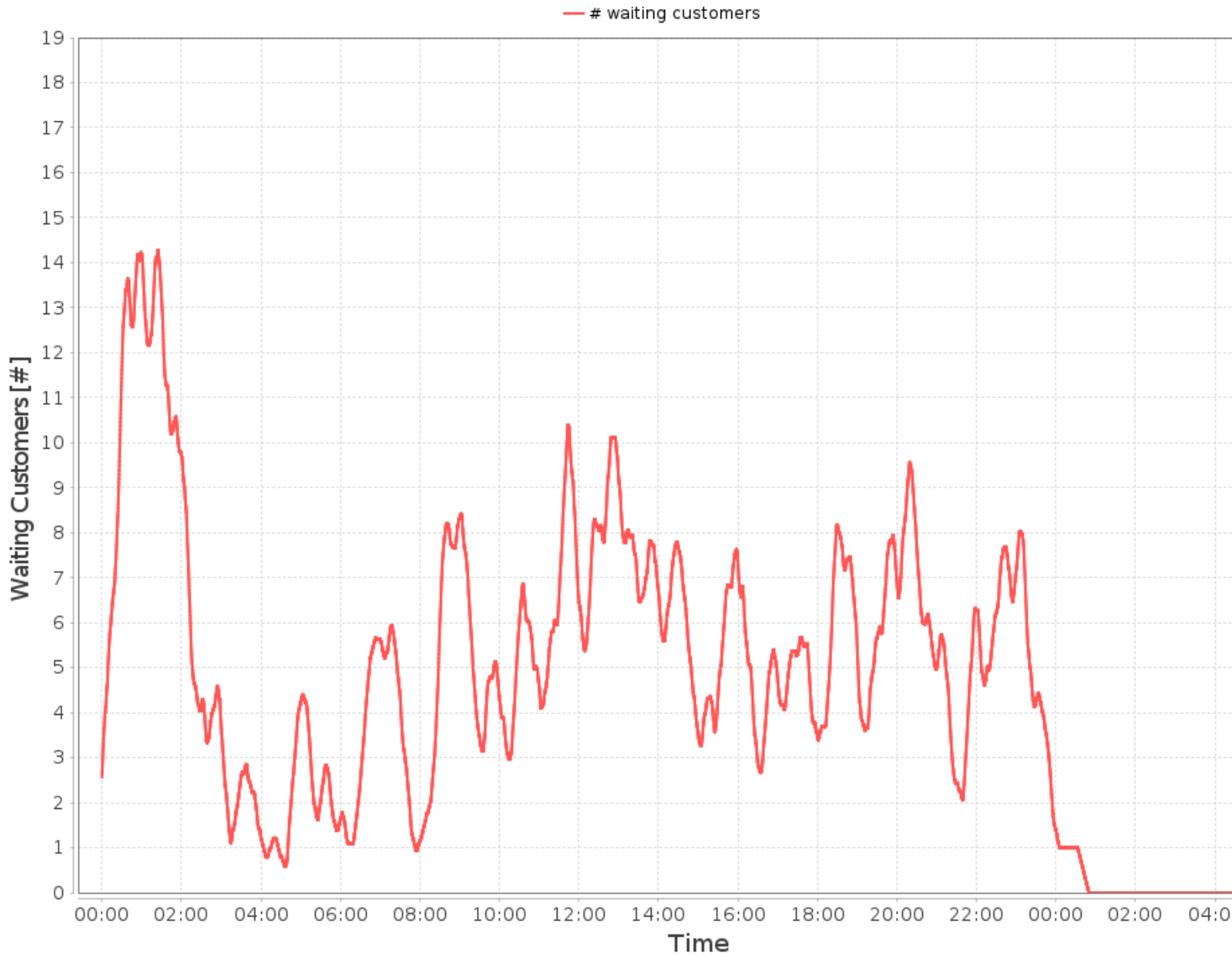
Drive Times

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
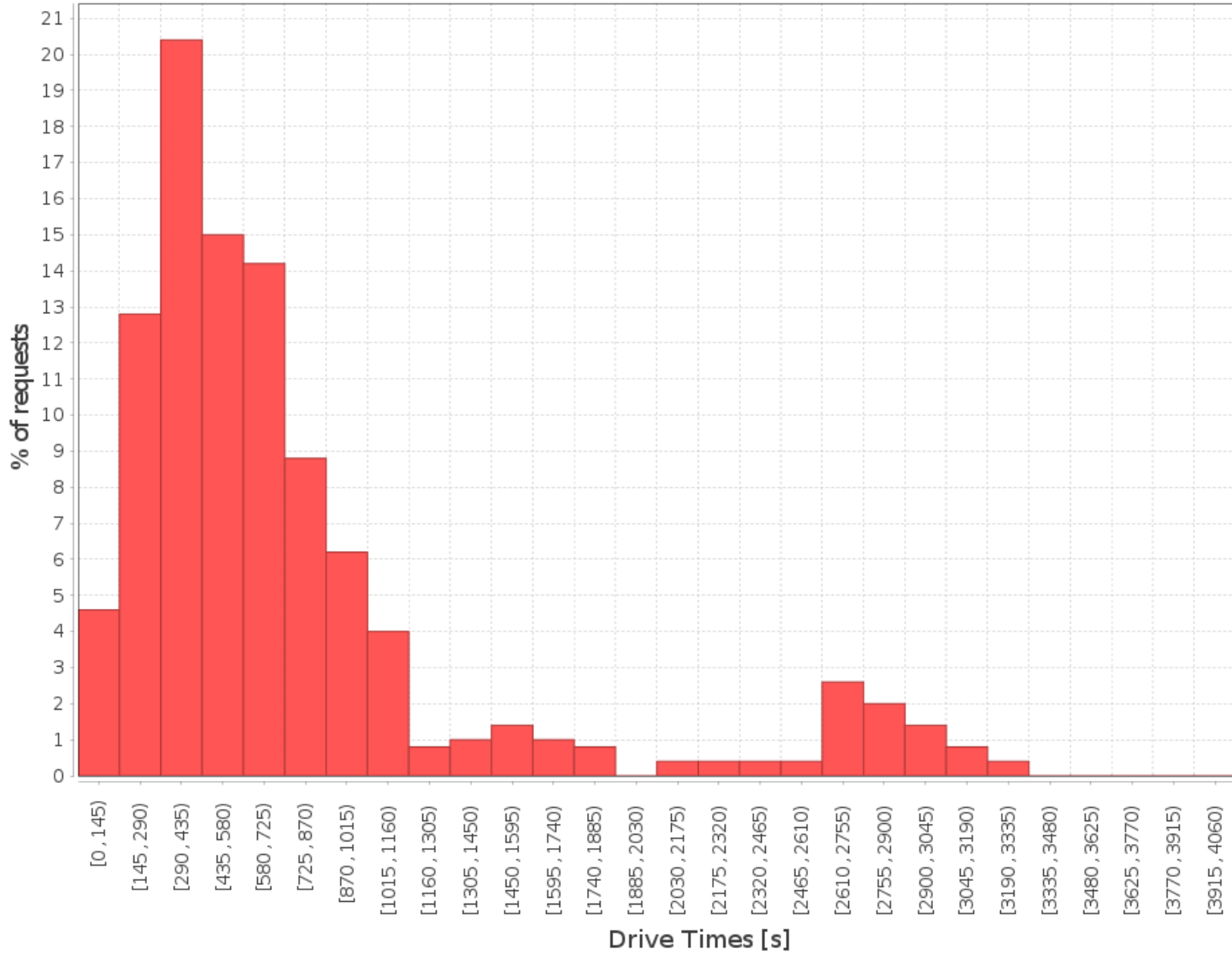
Total Journey Times

10.0% quantile	00:11:20
50.0% quantile	00:22:03
95.0% quantile	01:21:11
Mean	00:28:53
Maximum:	01:59:06

Number of Requests per Total Journey Time

% of requests
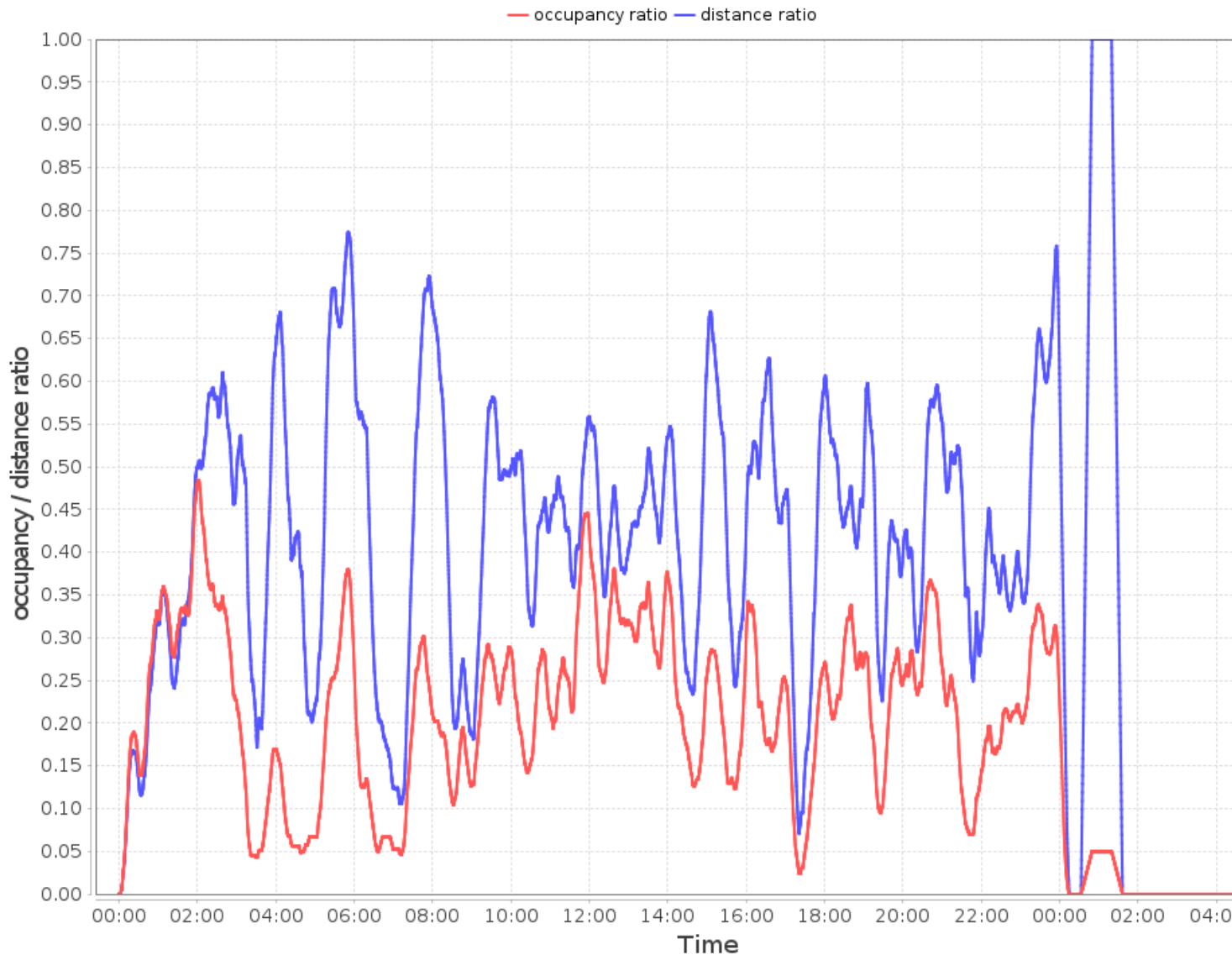
Total Journey Times [s]
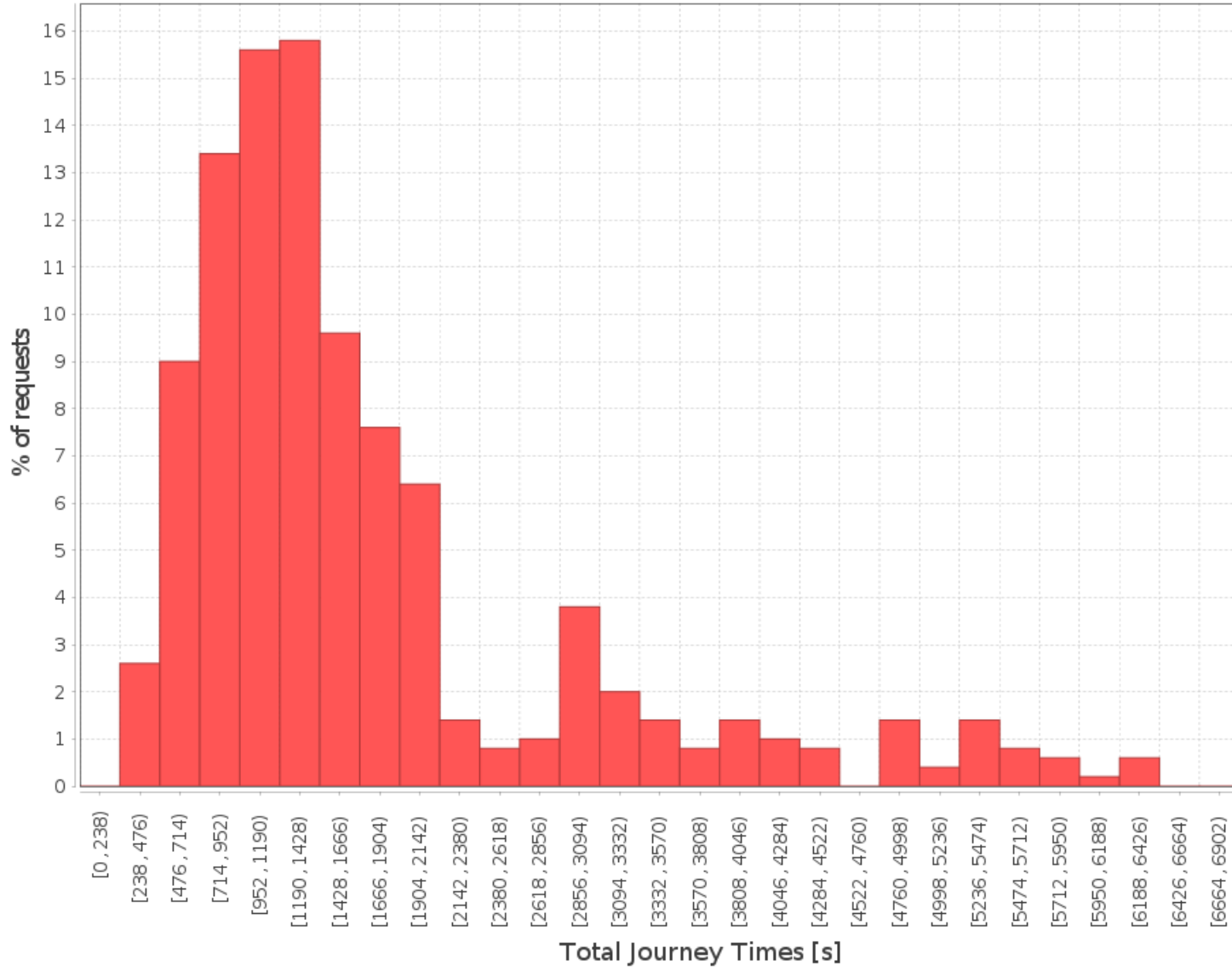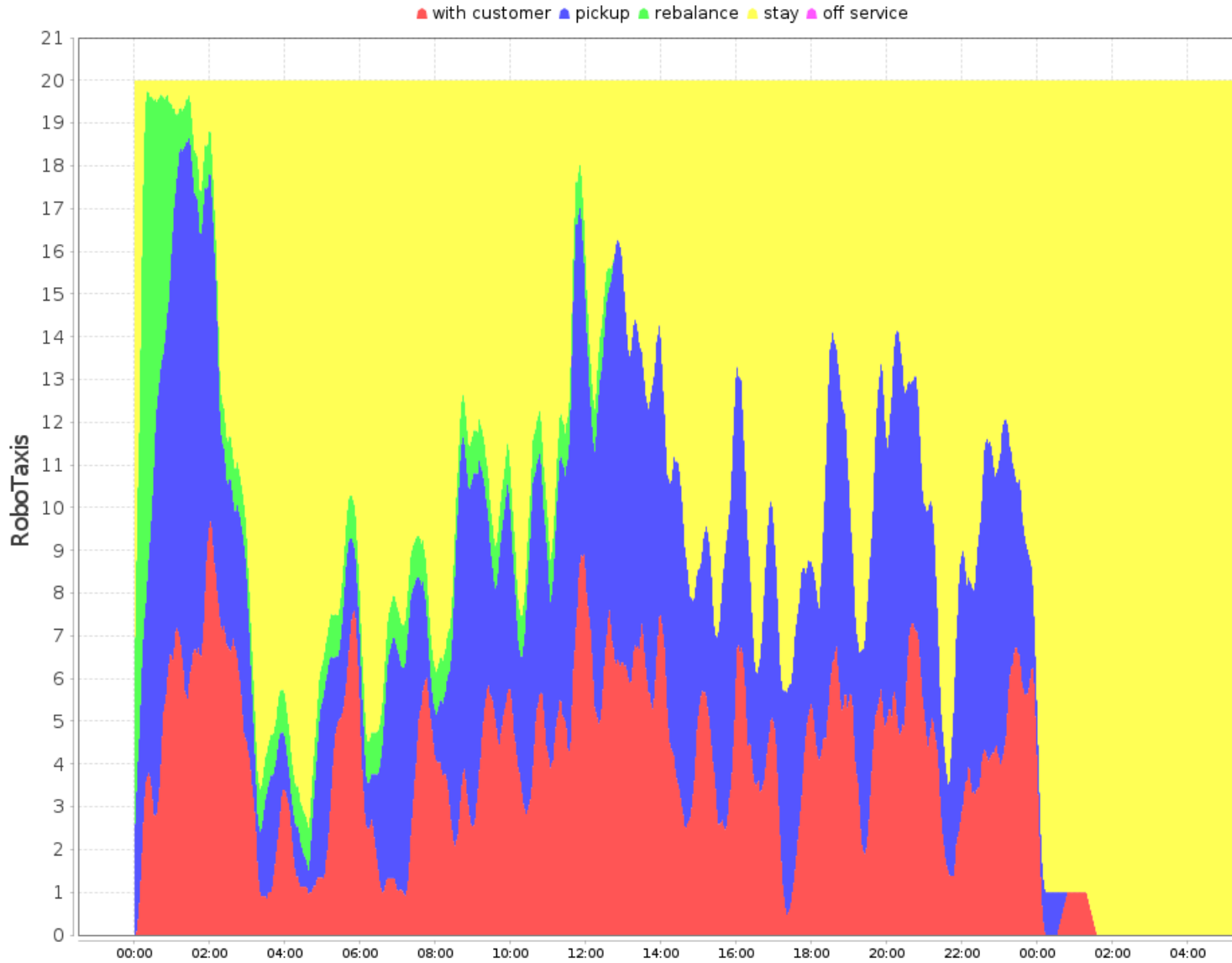
Fleet Efficiency

Distance Distribution over Day
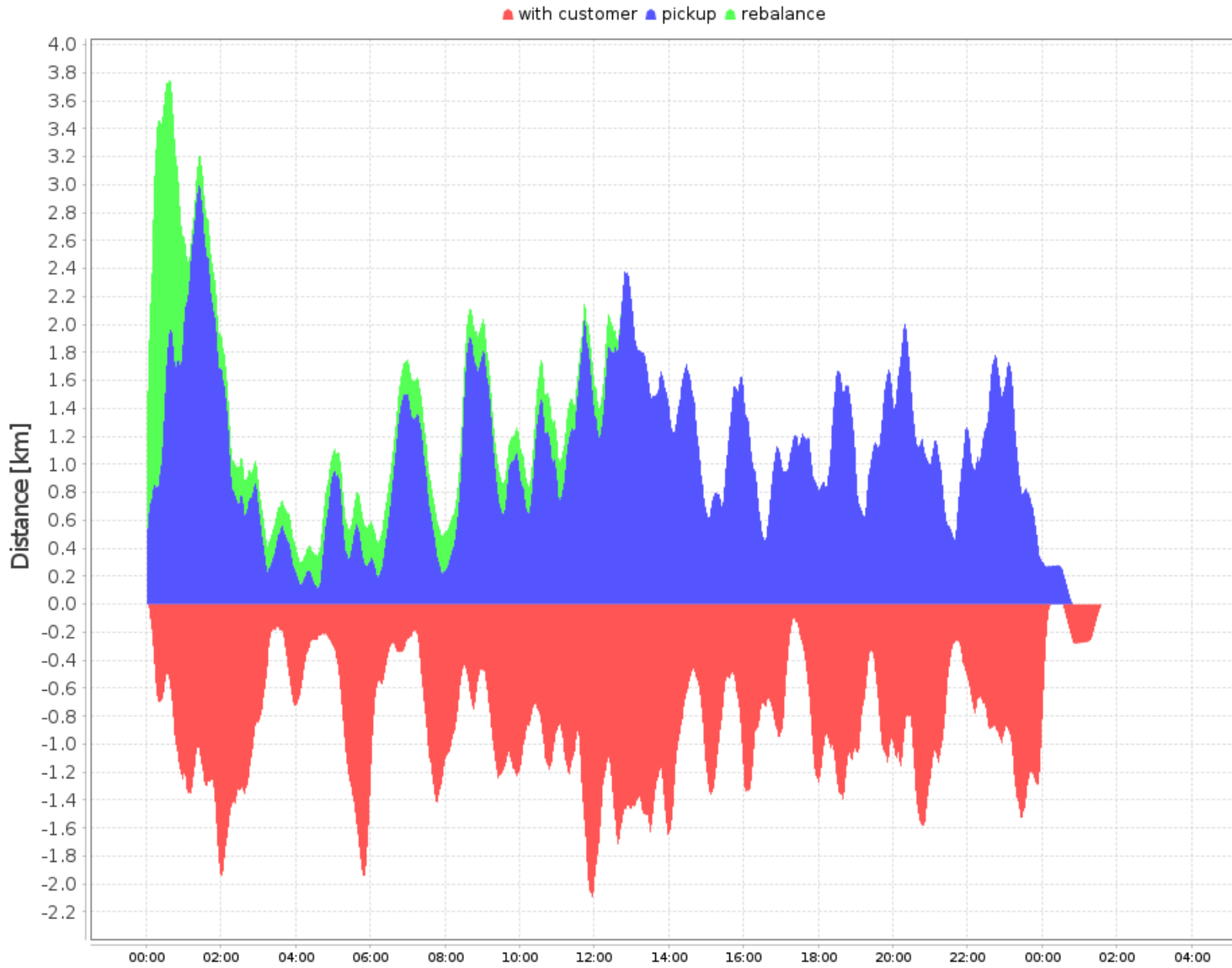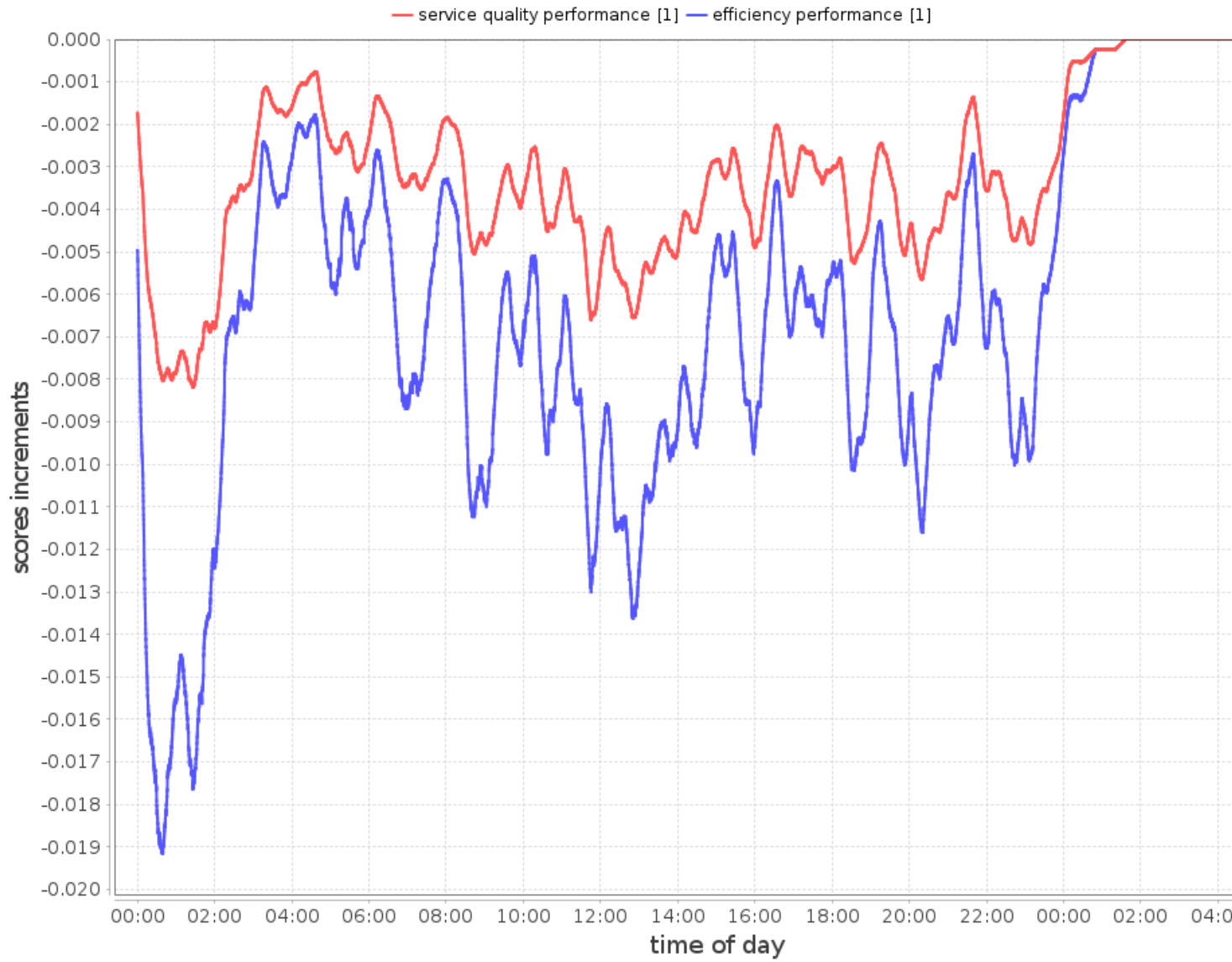
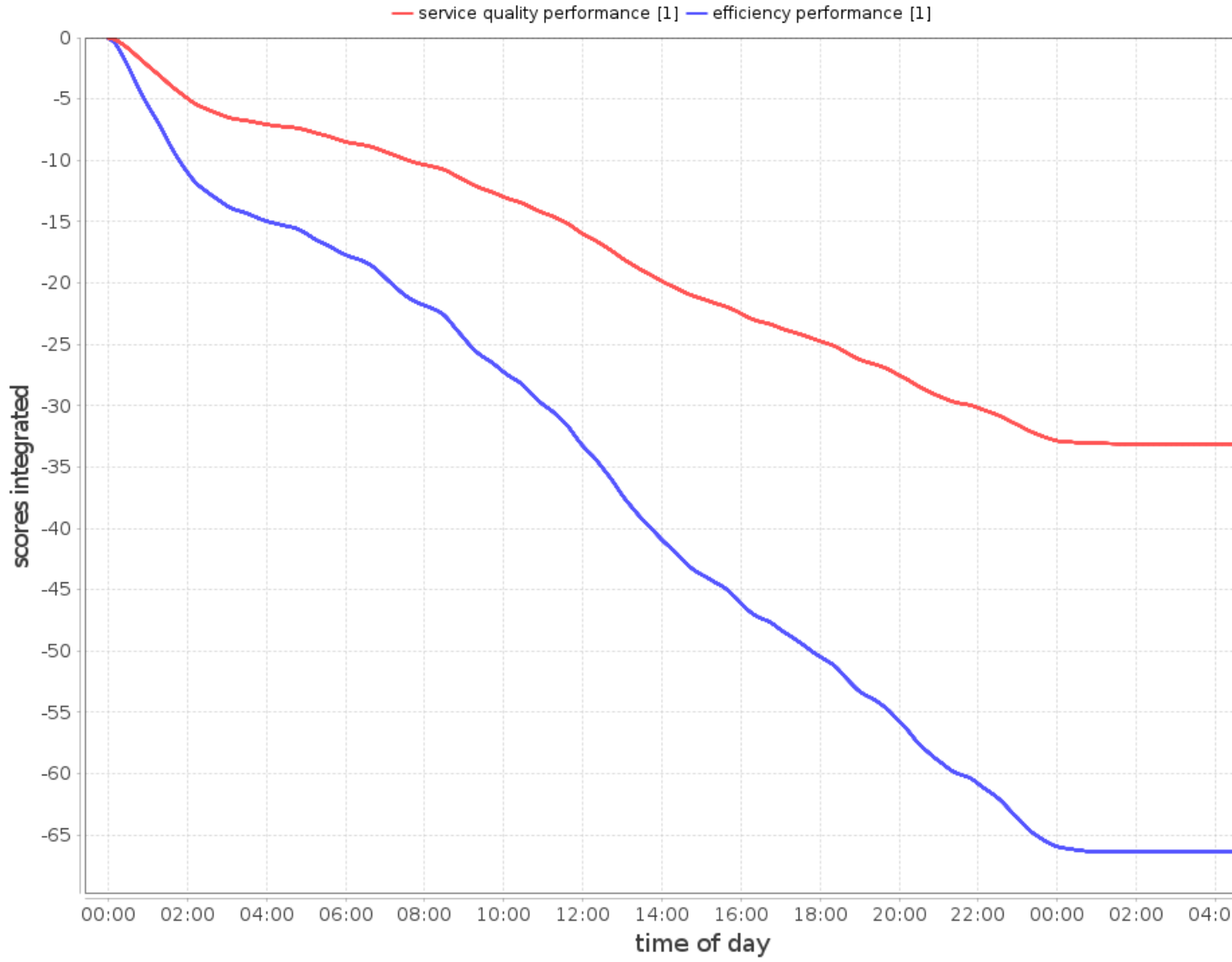**Occupancy and Distance Ratios**

Status Distribution

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
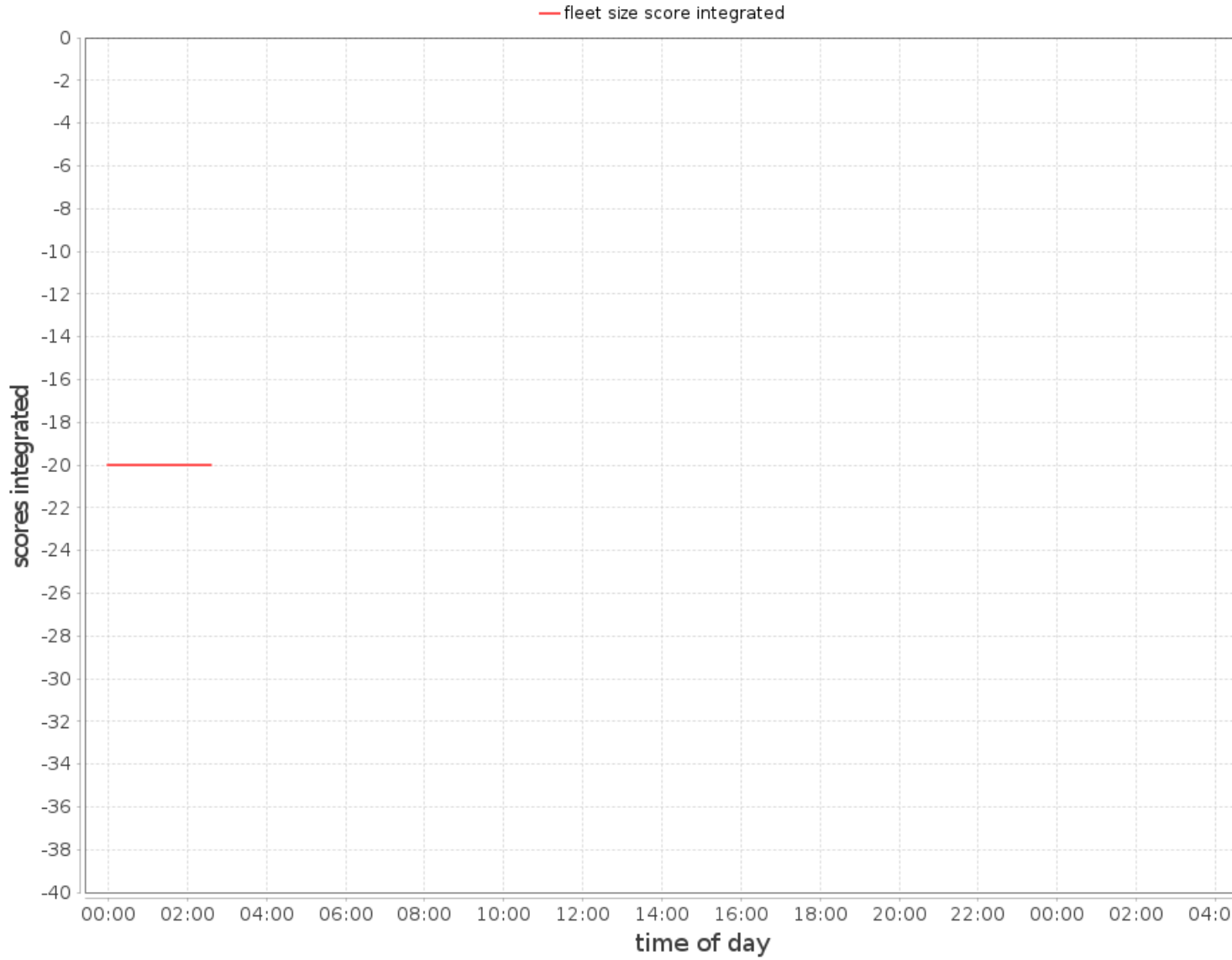
Final Scores

final service quality score:	-33.107272932661175
final efficiency score:	-66.37977173064483
final fleet size score:	-Infinity