AMoDeus Simulation Report

Simulation Information

User:	root
Timestamp:	2018/12/04 - 18:54:06
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:	31.82%
Occupancy Ratio:	17.83 %

Distances

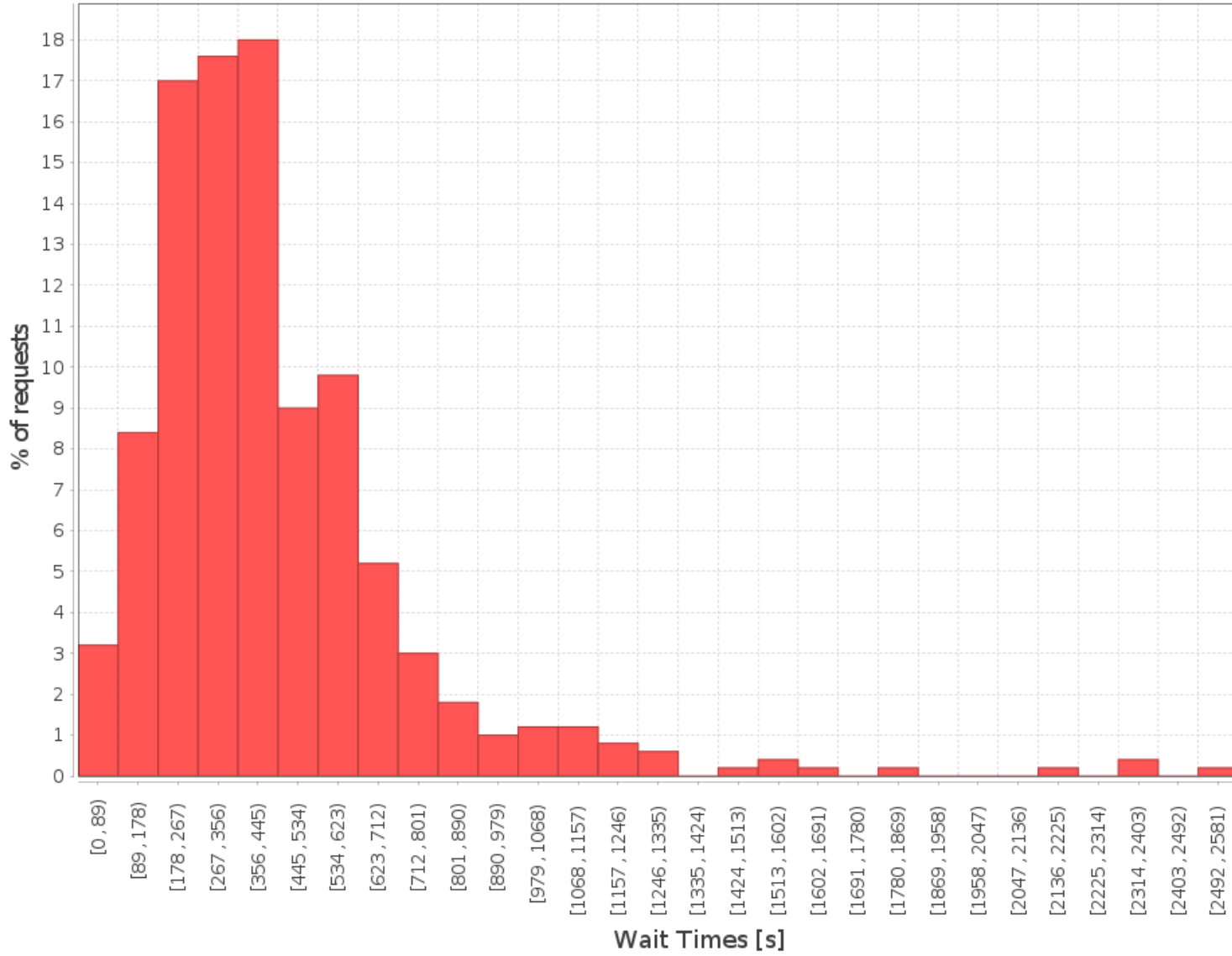|	
Total:	25747.90 km
Rebalancing:	12730.42 km (49.44%)
Pickup:	4823.46 km (18.73%)
With Customer:	8194.01 km (31.82%)

Average Trip Distance: 16.39 km
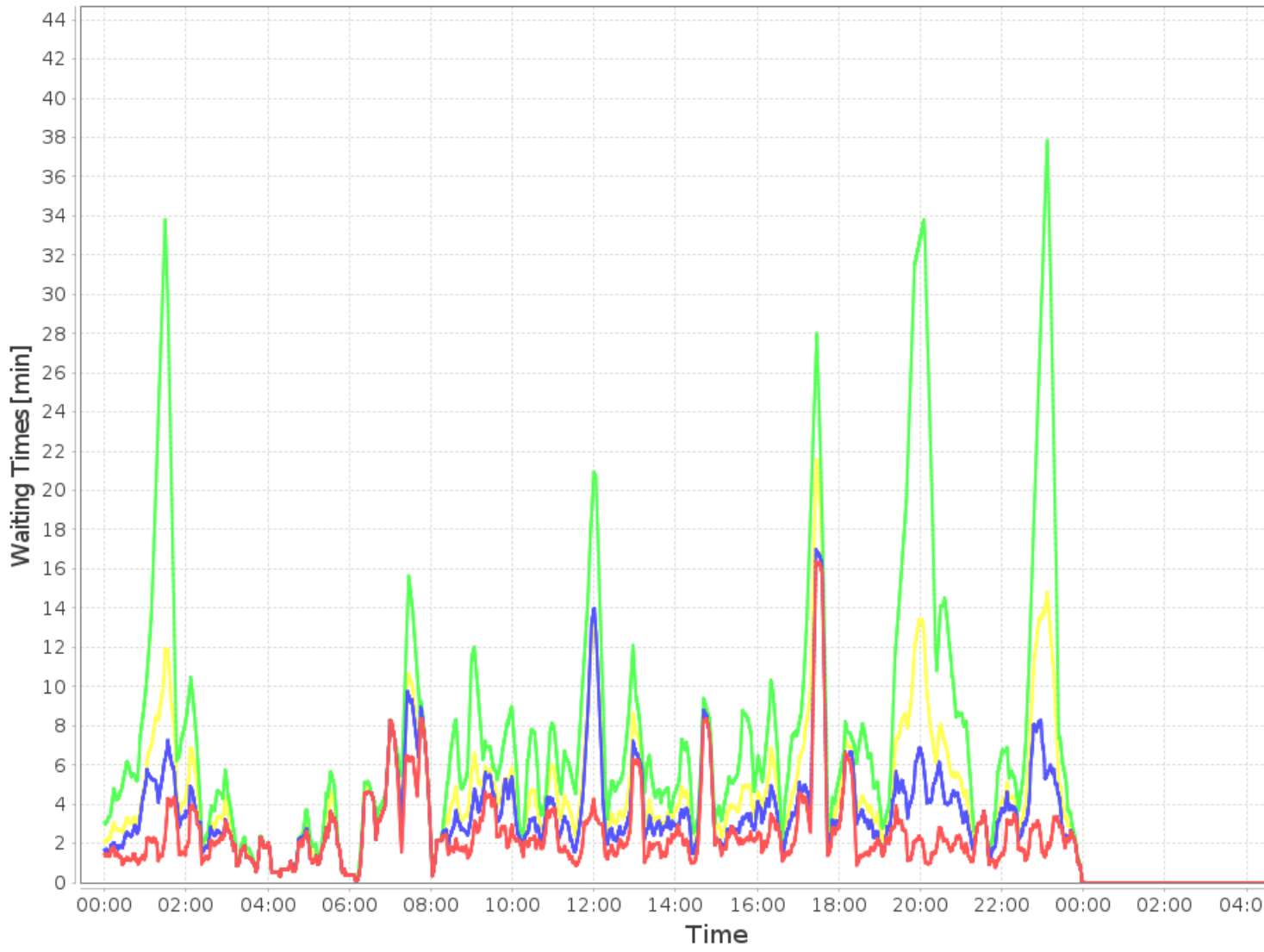
Total Distance Distribution

■ 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
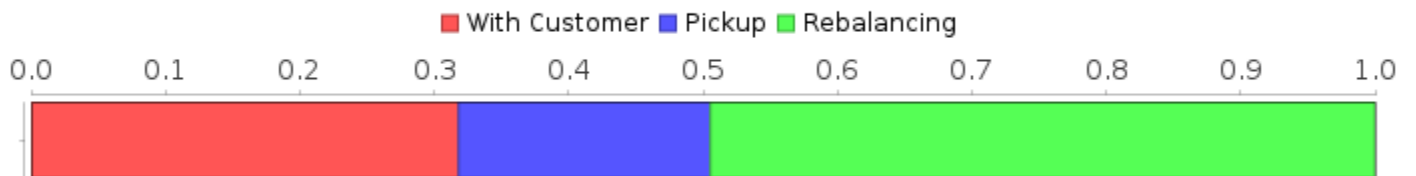
Wait Times

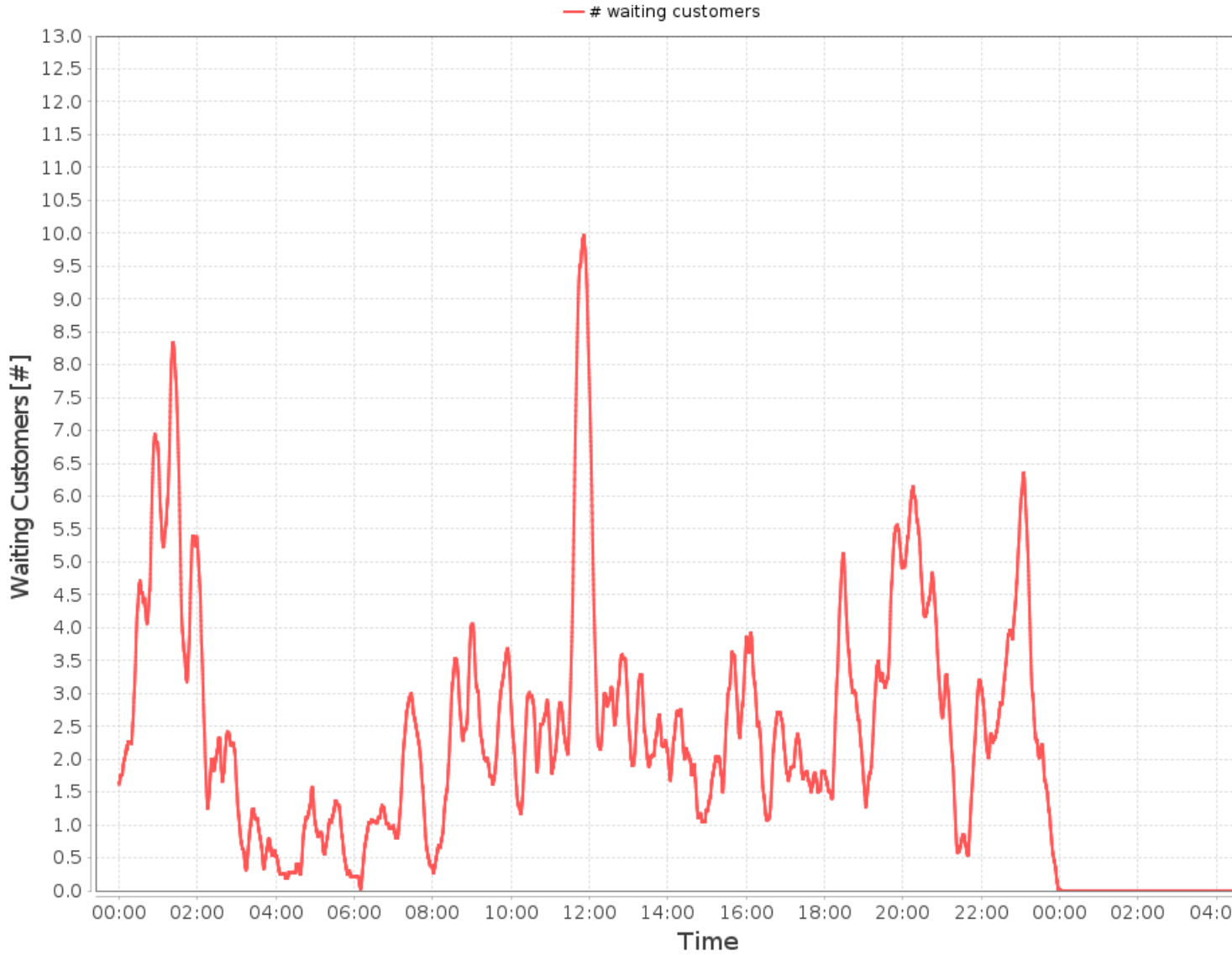|	
10.0% quantile	00:02:51
50.0% quantile	00:06:14
95.0% quantile	00:17:19
Mean	00:07:29
Maximum:	00:44:43

Number of Requests per Wait Time

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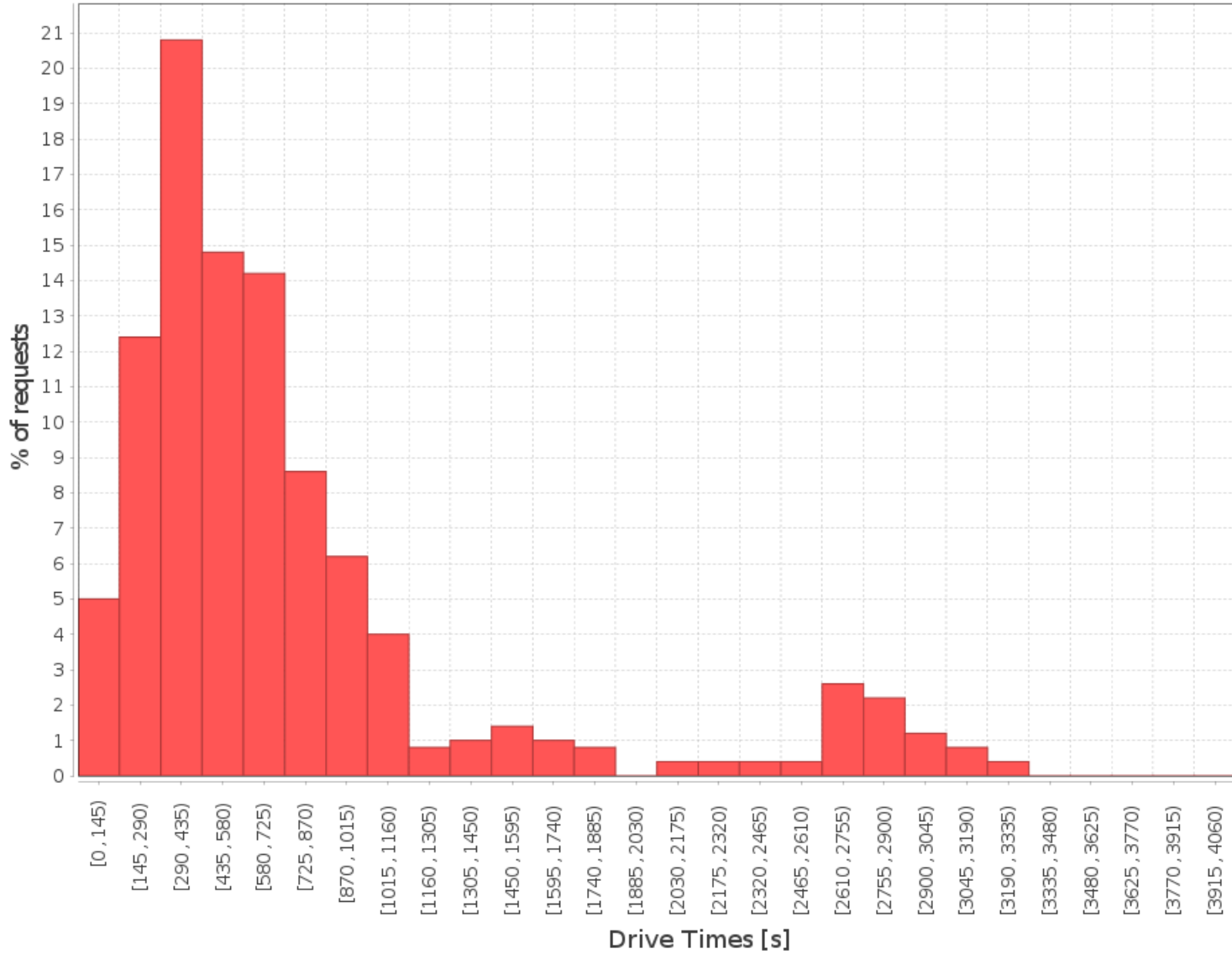
— 10.0% quantile — 50.0% quantile — 95.0% quantile — Mean

Waiting Customers per Day Time

Drive Times

10.0% quantile	00:03:30
50.0% quantile	00:09:00
95.0% quantile	00:45:30
Mean	00:12:49
Maximum:	01:12:20

Number of Requests per Drive Time

Total Journey Times

10.0% quantile	00:08:18
50.0% quantile	00:16:18
95.0% quantile	00:52:46
Mean	00:20:19
Maximum:	01:34:03

Number of Requests per Total Journey Time

Y-axis: % of requests

X-axis: Total Journey Times [s]

X-axis labels: [0, 188), [188, 376), [376, 564), [564, 752), [752, 940), [940, 1128), [1128, 1316), [1316, 1504), [1504, 1692), [1692, 1880), [1880, 2068), [2068, 2256), [2256, 2444), [2444, 2632), [2632, 2820), [2820, 3008), [3008, 3196), [3196, 3384), [3384, 3572), [3572, 3760), [3760, 3948), [3948, 4136), [4136, 4324), [4324, 4512), [4512, 4700), [4700, 4888), [4888, 5076), [5076, 5264), [5264, 5452)
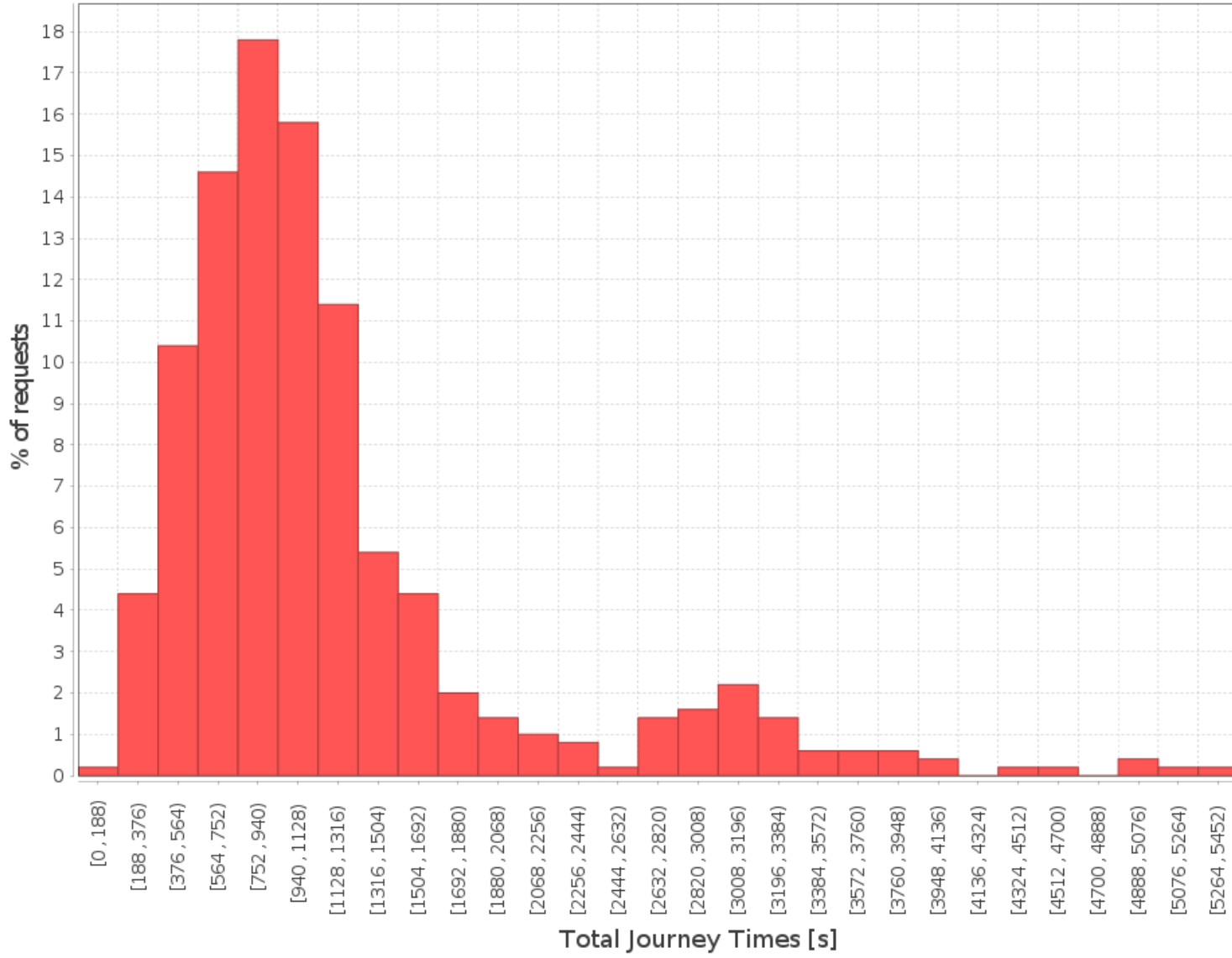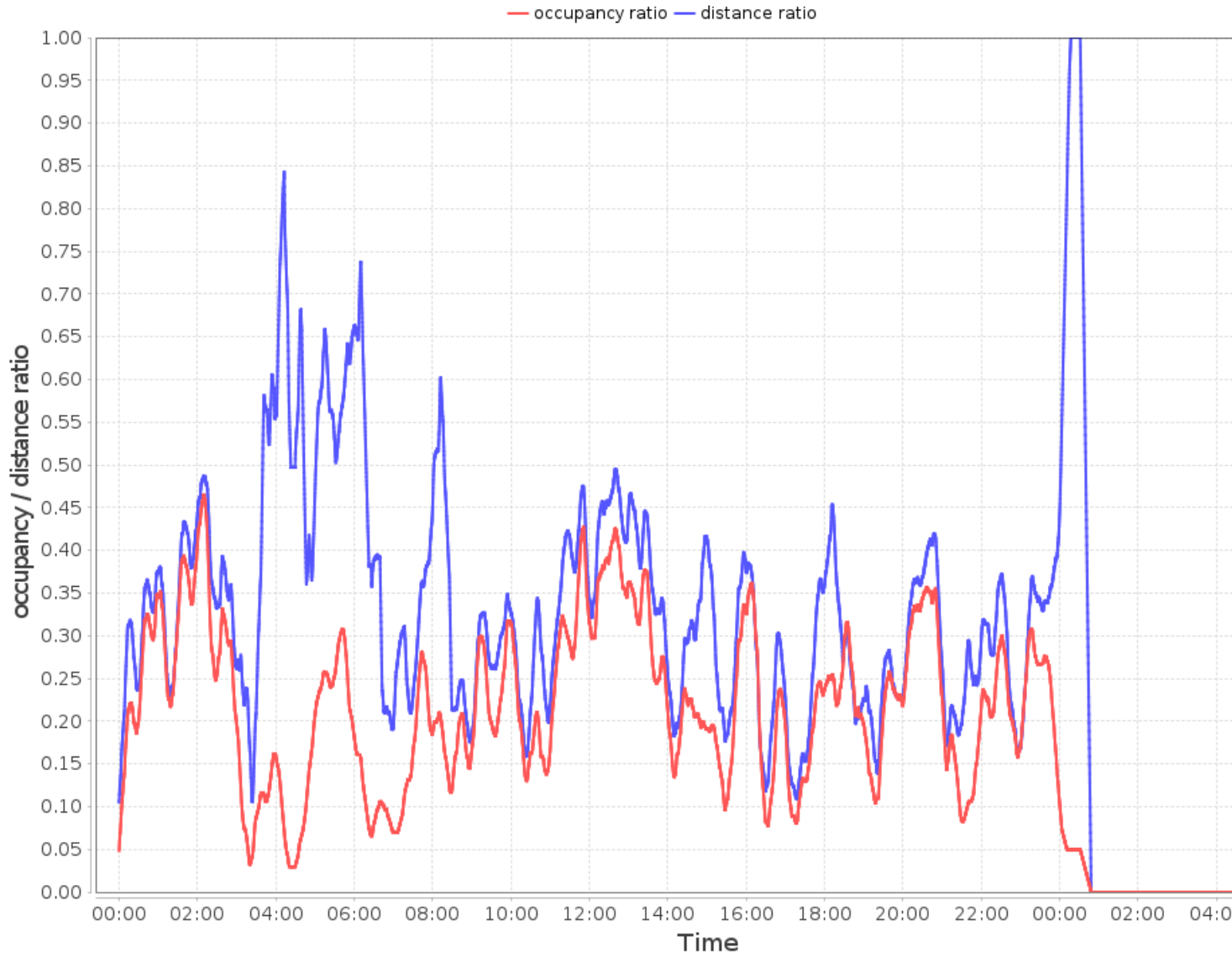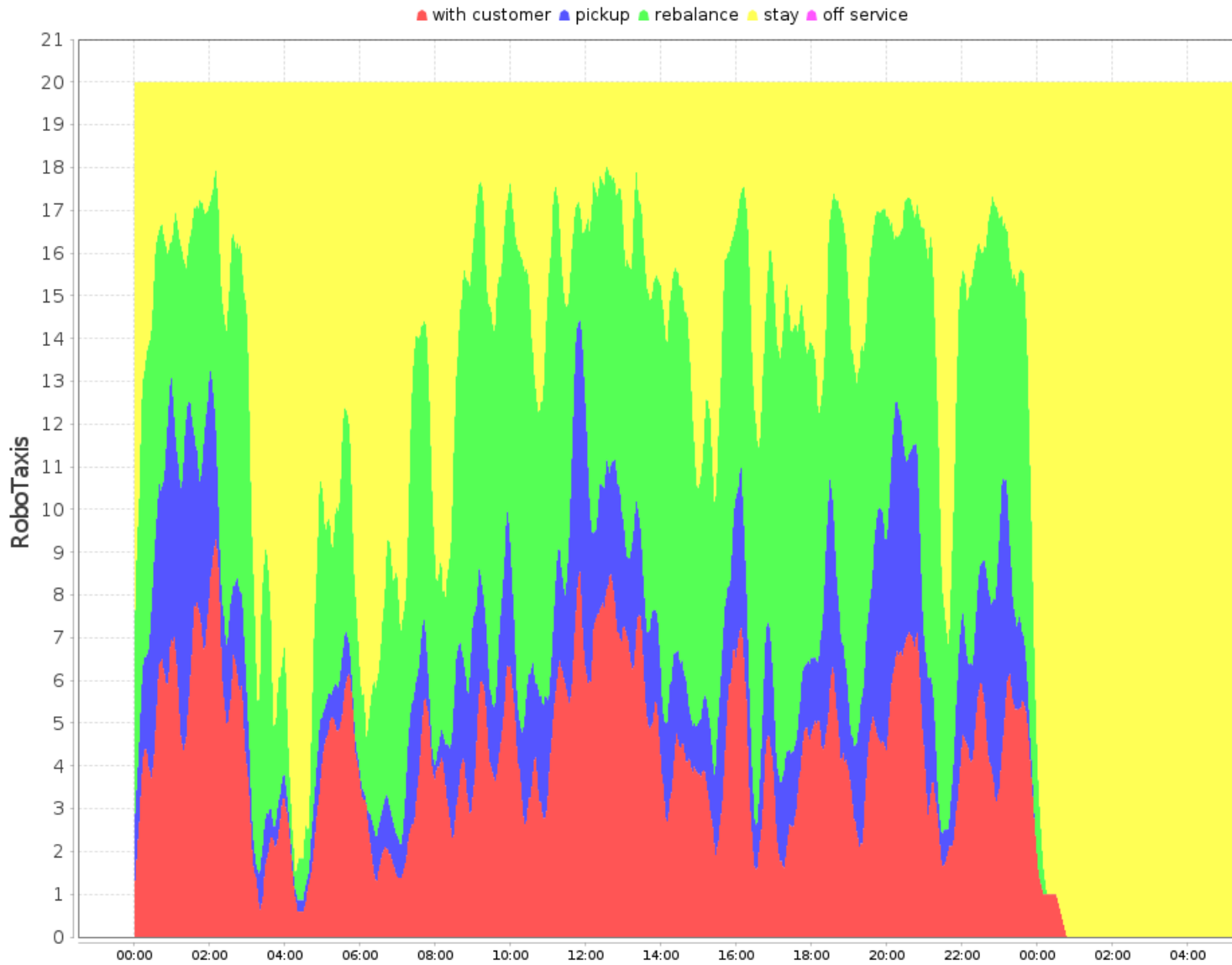
Fleet Efficiency

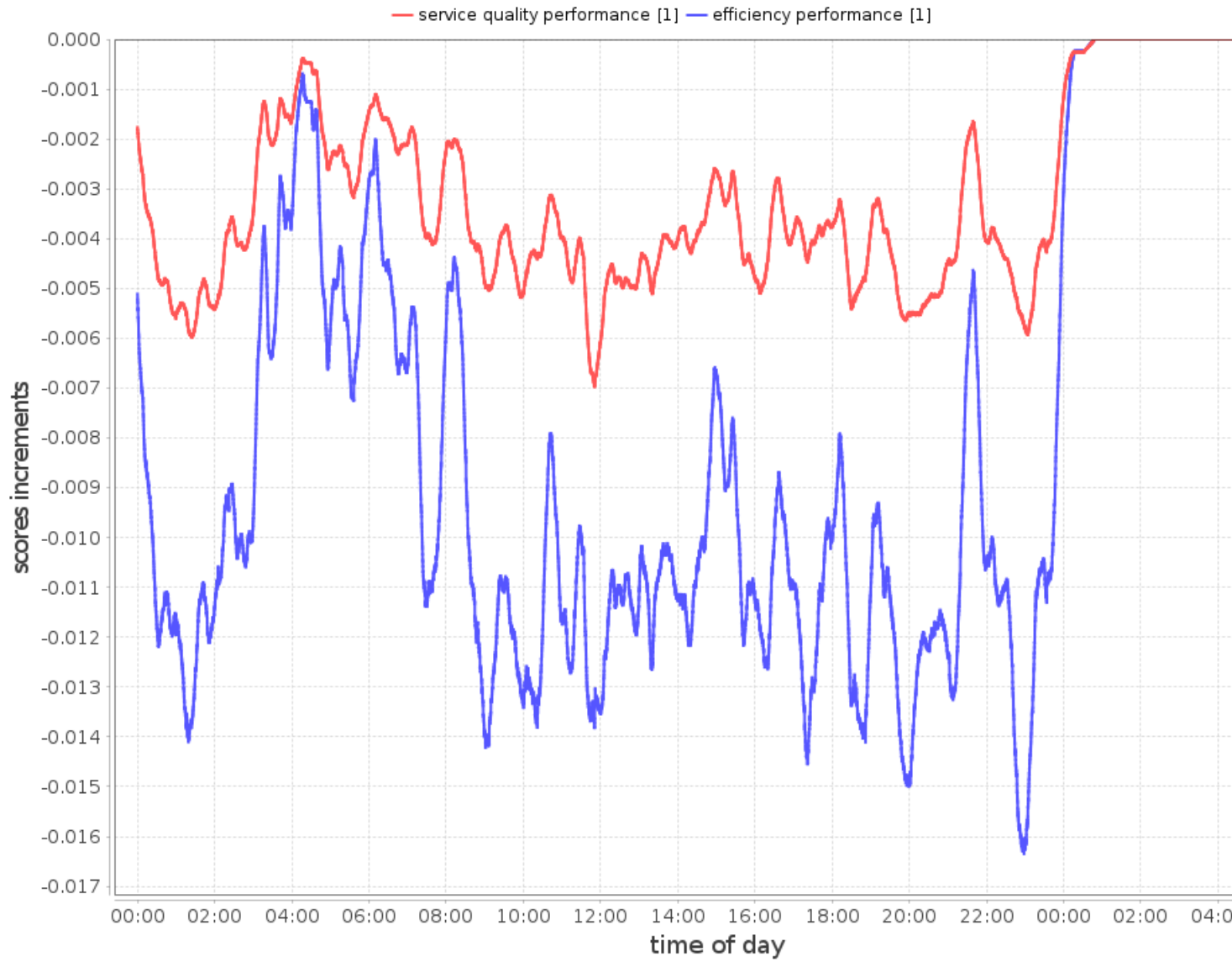## Distance Distribution over Day
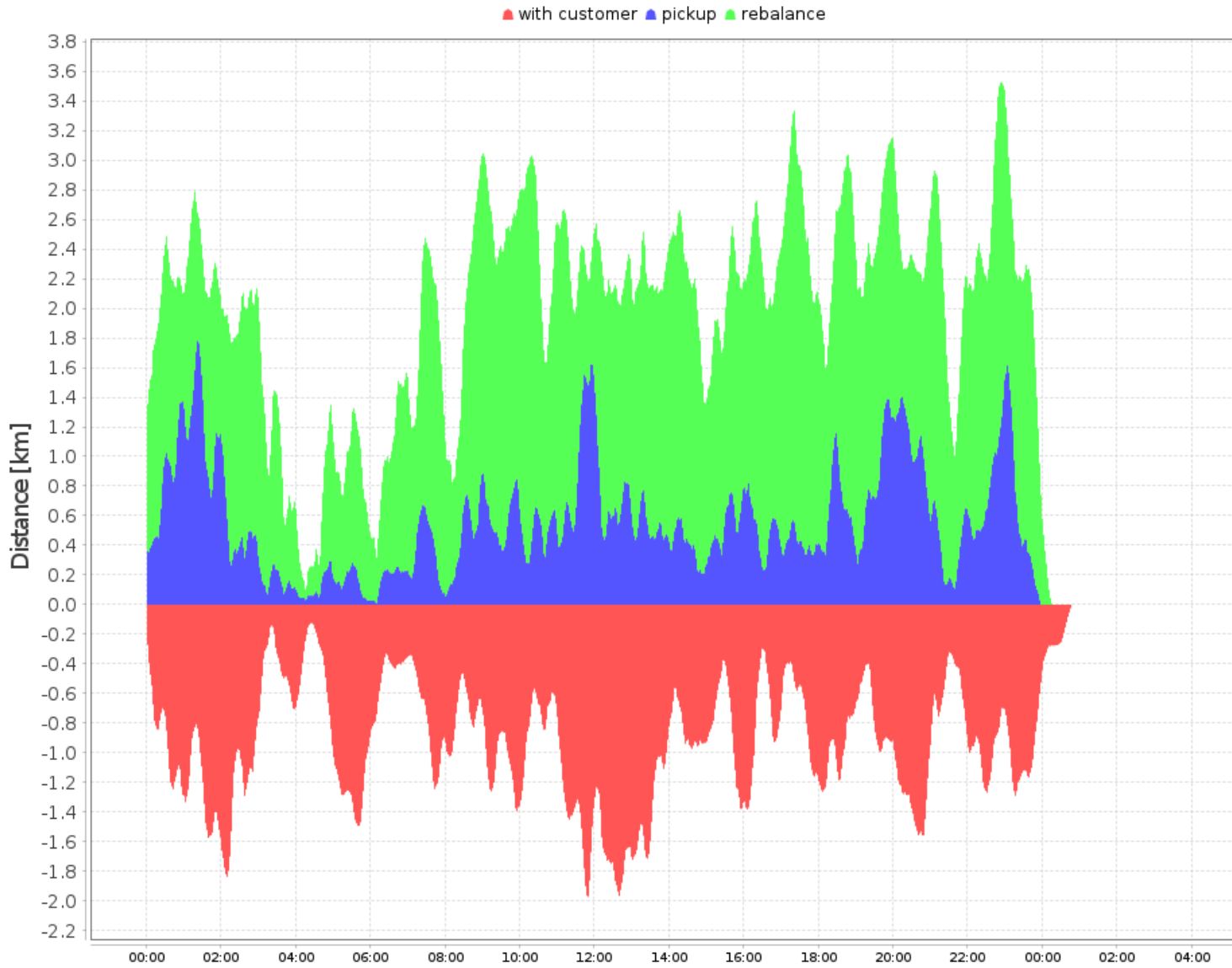
Occupancy and Distance Ratios

Status Distribution

Aido Scores

Scores during Simulation

Service Quality and Efficiency Score Increments

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

scores increments

time of day

Service Quality and Efficiency Score Integrated

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

scores integrated

time of day
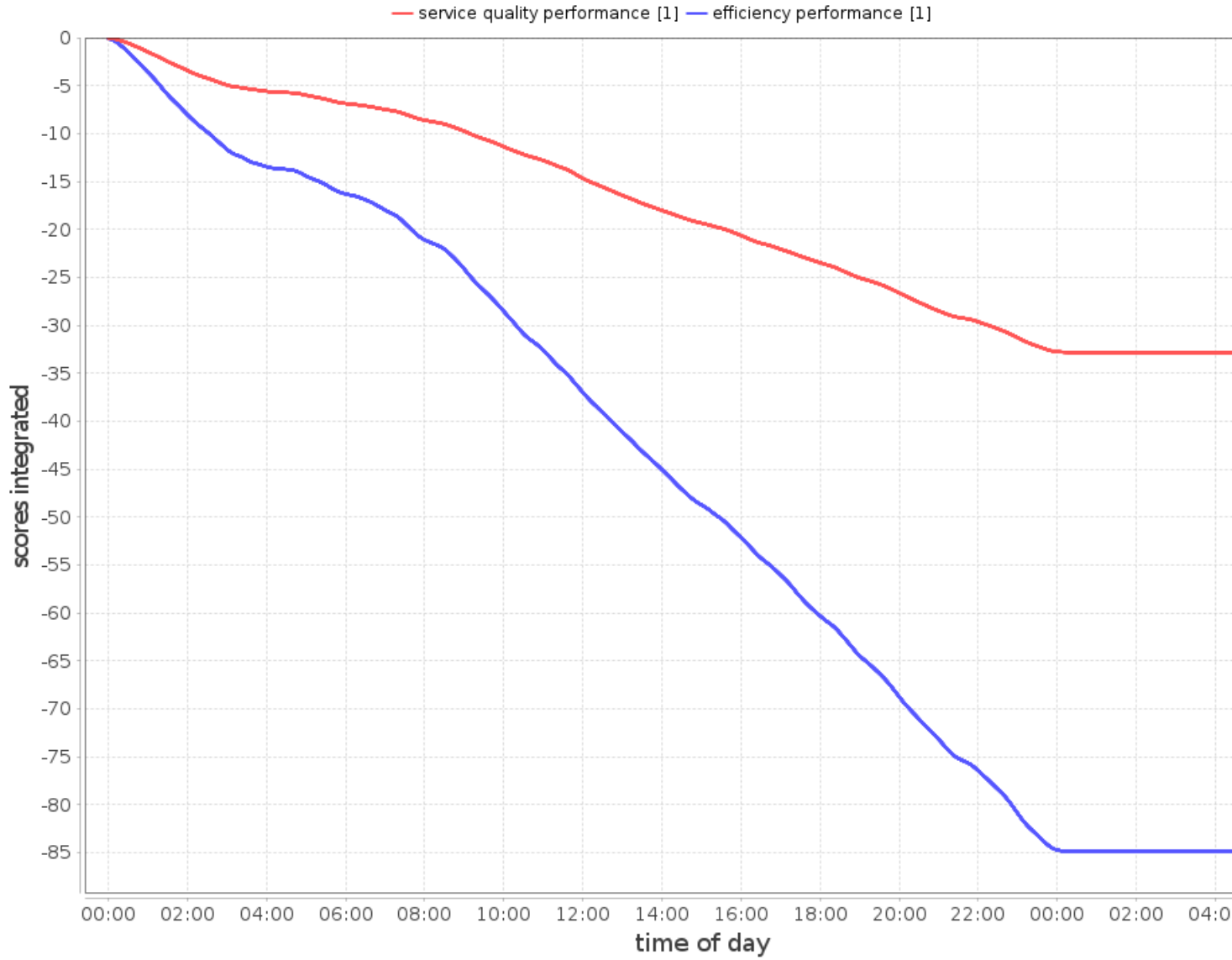
Fleet Size Score Integrated
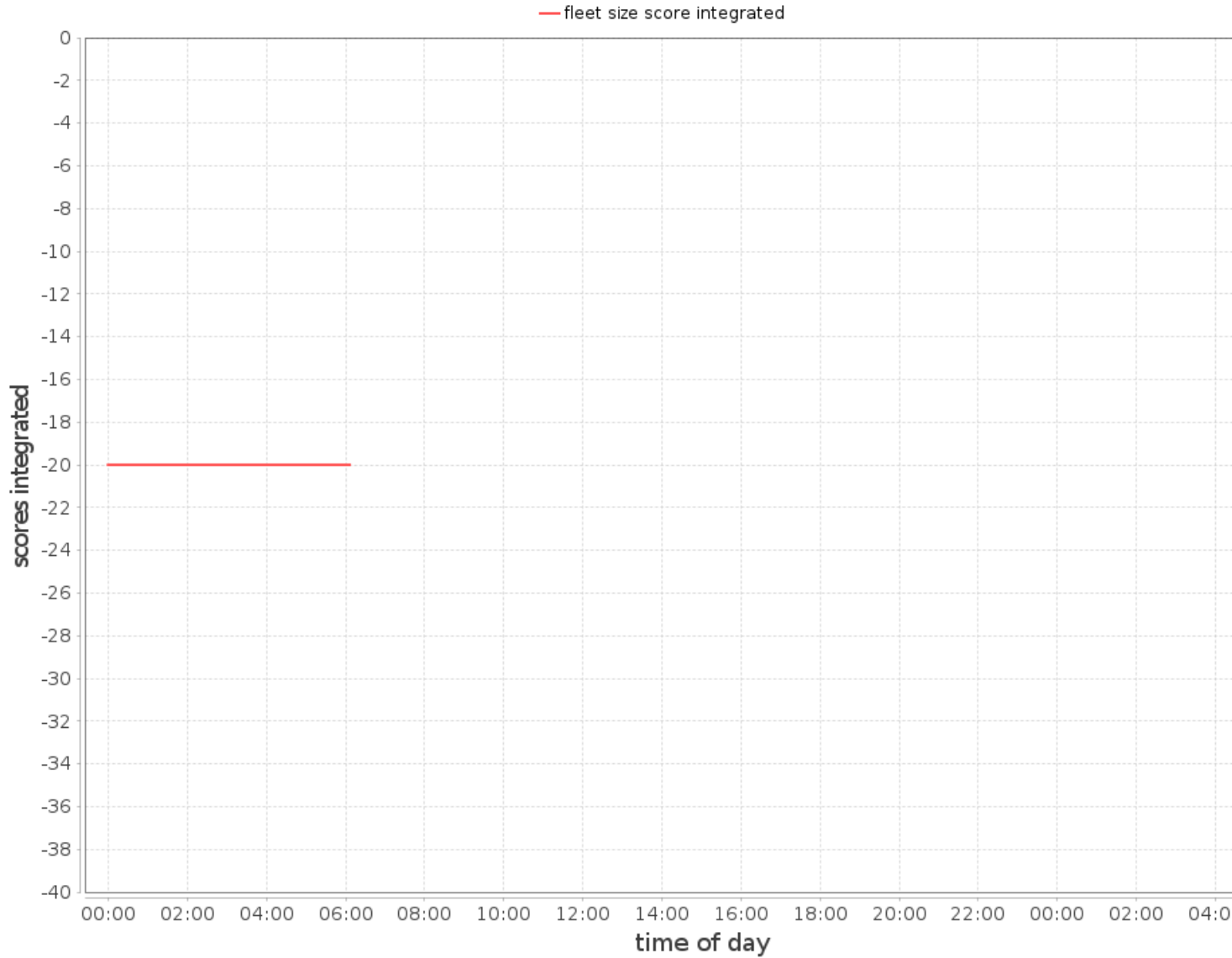
Final Scores

final service quality score:	-32.848008488253726
final efficiency score:	-84.88687395301461
final fleet size score:	-Infinity