



AMoDeus Simulation Report

Simulation Information

User: root
Timestamp: 2019/04/24 - 09:19:13

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

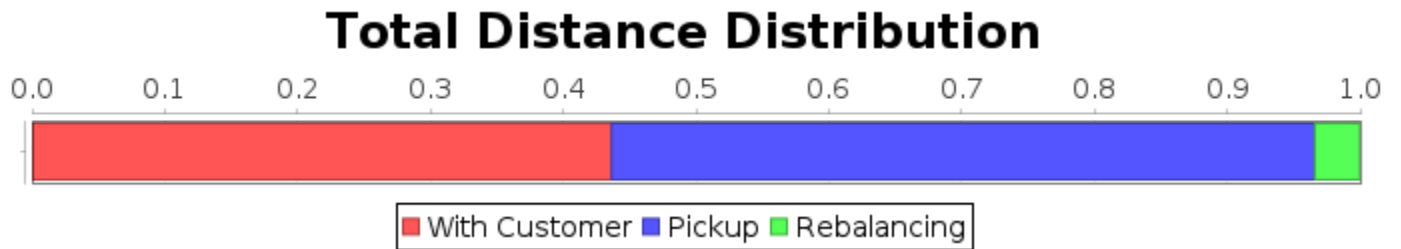
Aggregated Results

Distance Ratio: 43.65%
Occupancy Ratio: 17.86 %

Distances

Total: 18788.09 km
Rebalancing: 637.00 km (3.39%)
Pickup: 9950.82 km (52.96%)
With Customer: 8200.27 km (43.65%)

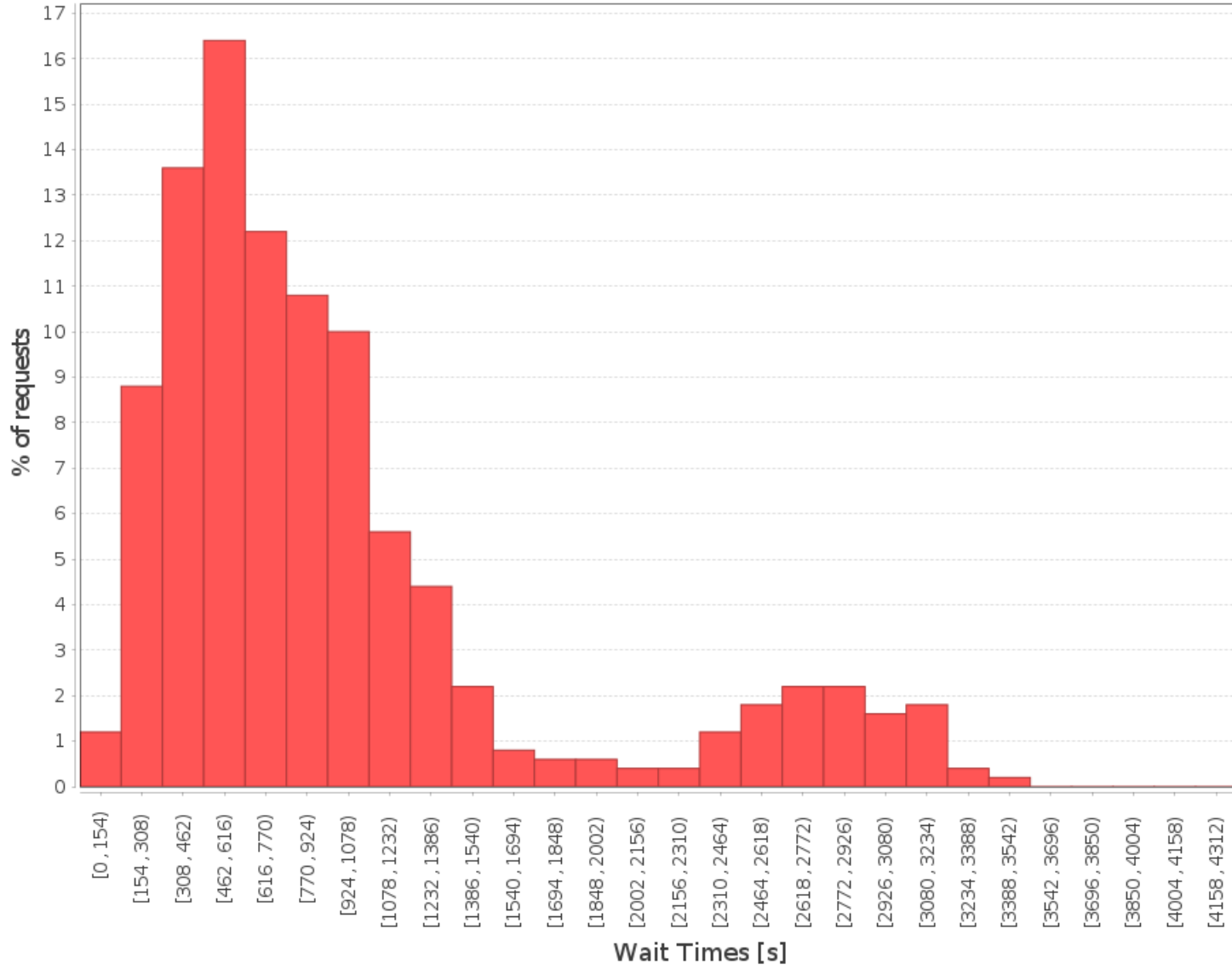
Average Trip Distance: 16.40 km



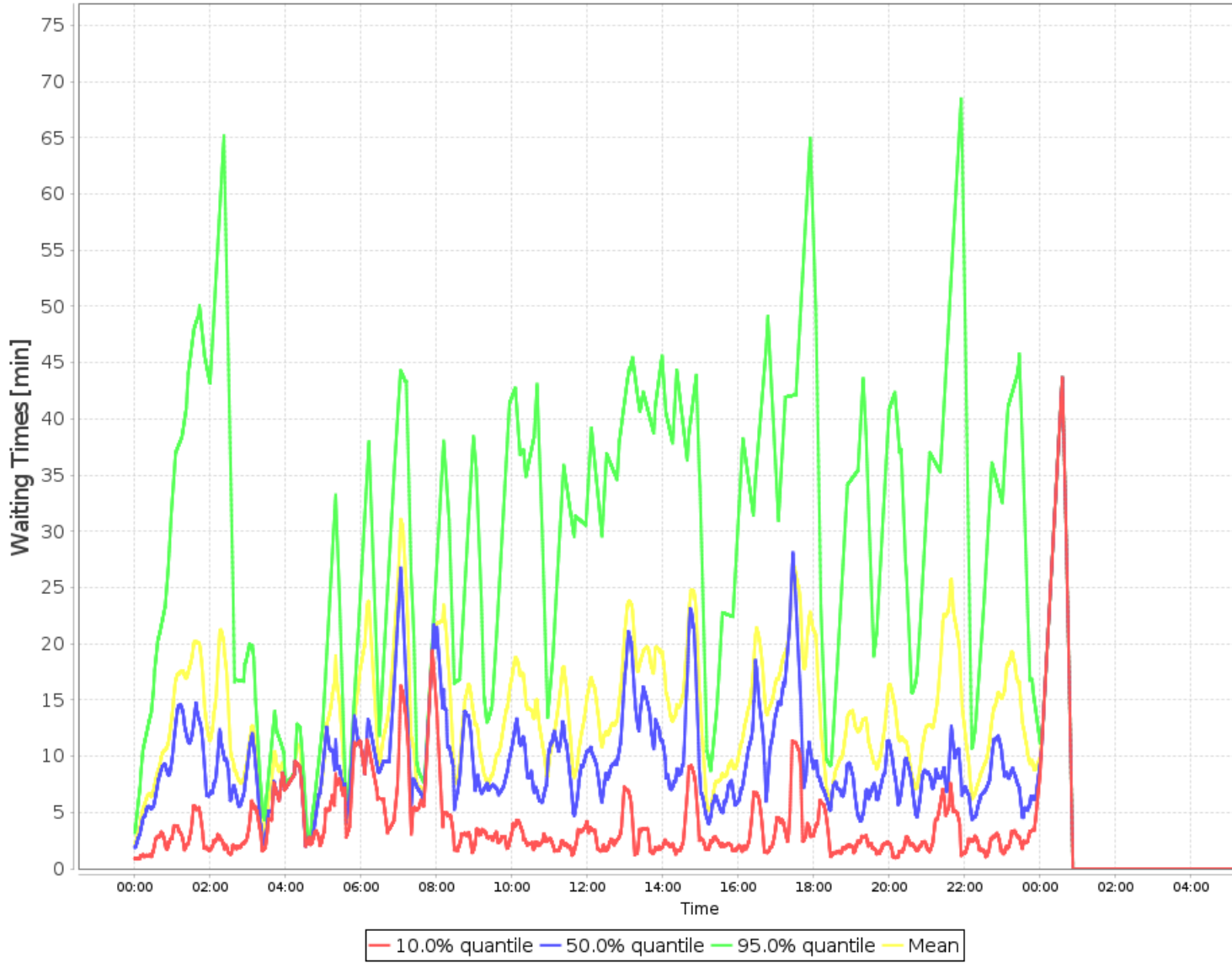
Wait Times

10.0% quantile 00:05:03
50.0% quantile 00:12:17
95.0% quantile 00:47:33
Mean 00:16:29
Maximum: 01:16:58

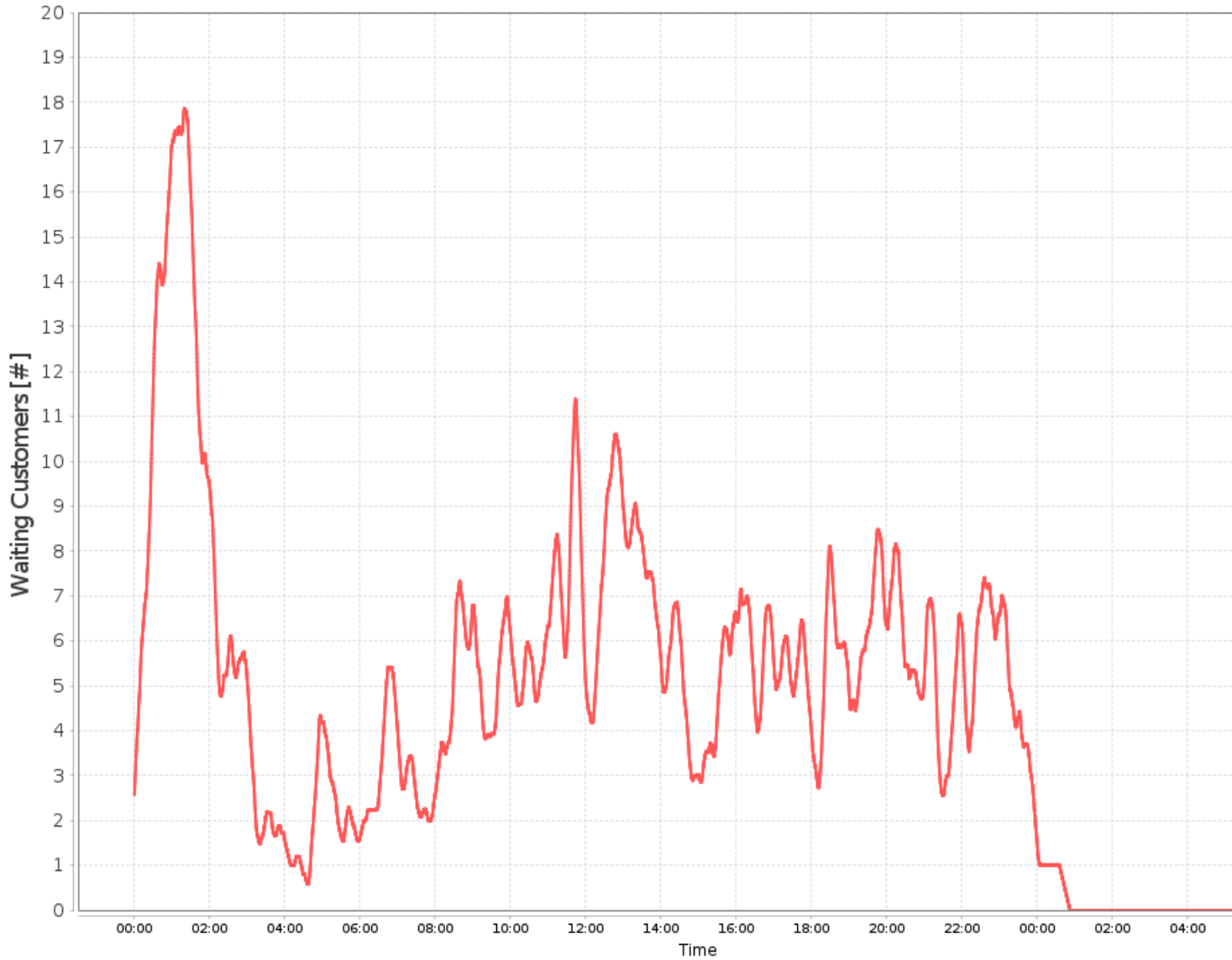
Number of Requests per Wait Time



Binned Waiting Times



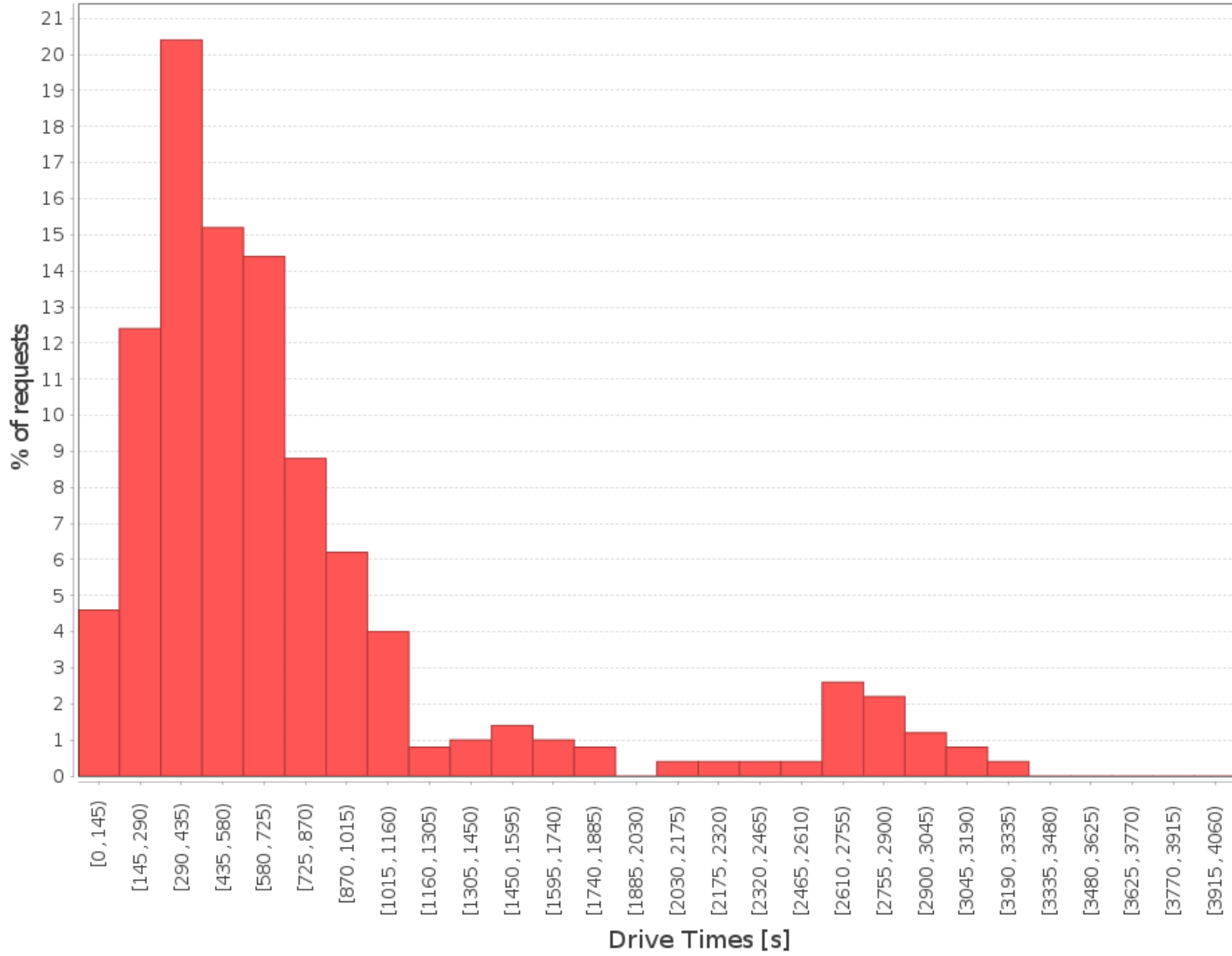
Waiting Customers per Day Time



Drive Times

| | |
|----------------|----------|
| 10.0% quantile | 00:03:30 |
| 50.0% quantile | 00:09:10 |
| 95.0% quantile | 00:45:40 |
| Mean | 00:12:51 |
| Maximum: | 01:12:20 |

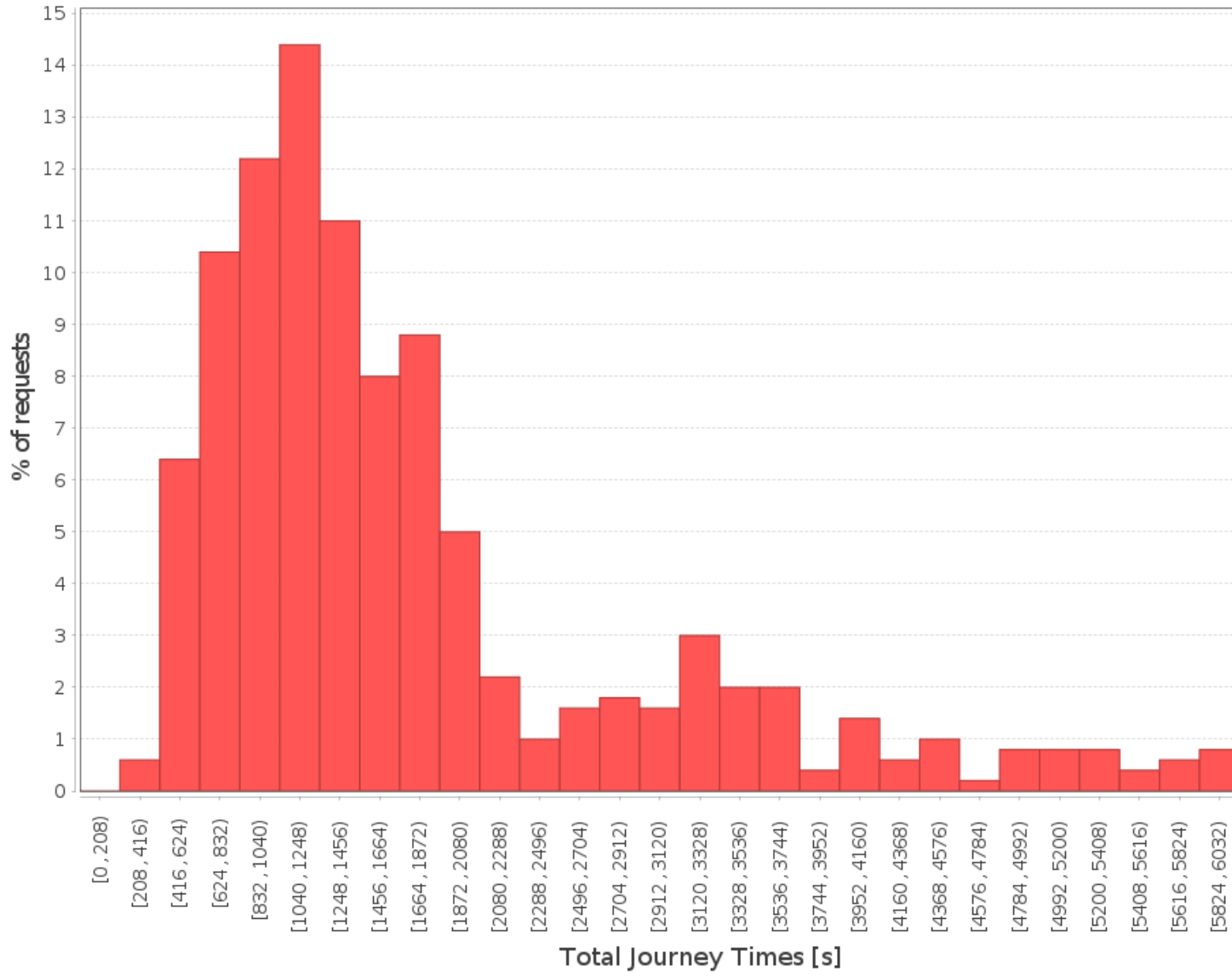
Number of Requests per Drive Time



Total Journey Times

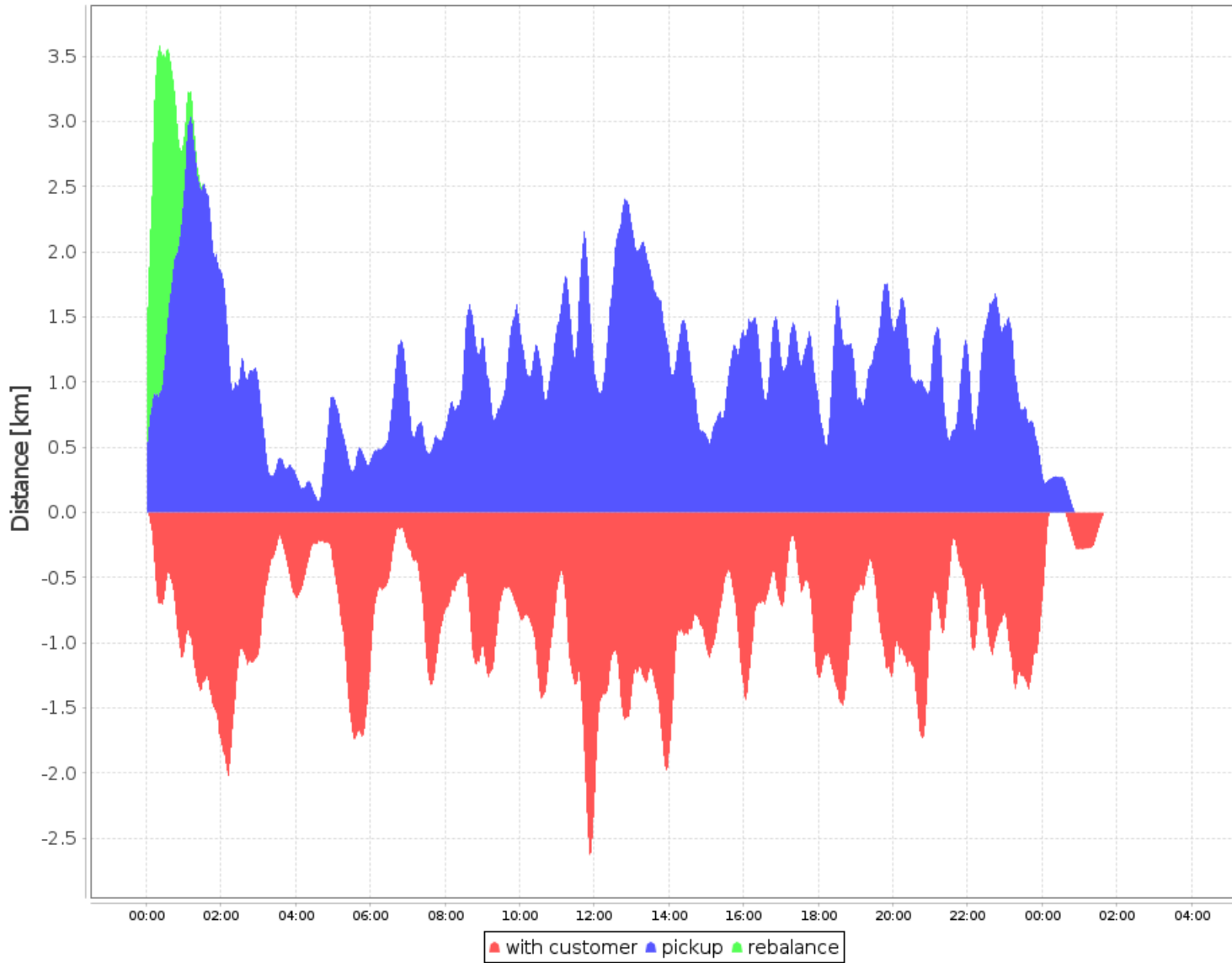
| | |
|----------------|----------|
| 10.0% quantile | 00:11:32 |
| 50.0% quantile | 00:22:29 |
| 95.0% quantile | 01:13:46 |
| Mean | 00:29:21 |
| Maximum: | 01:44:03 |

Number of Requests per Total Journey Time

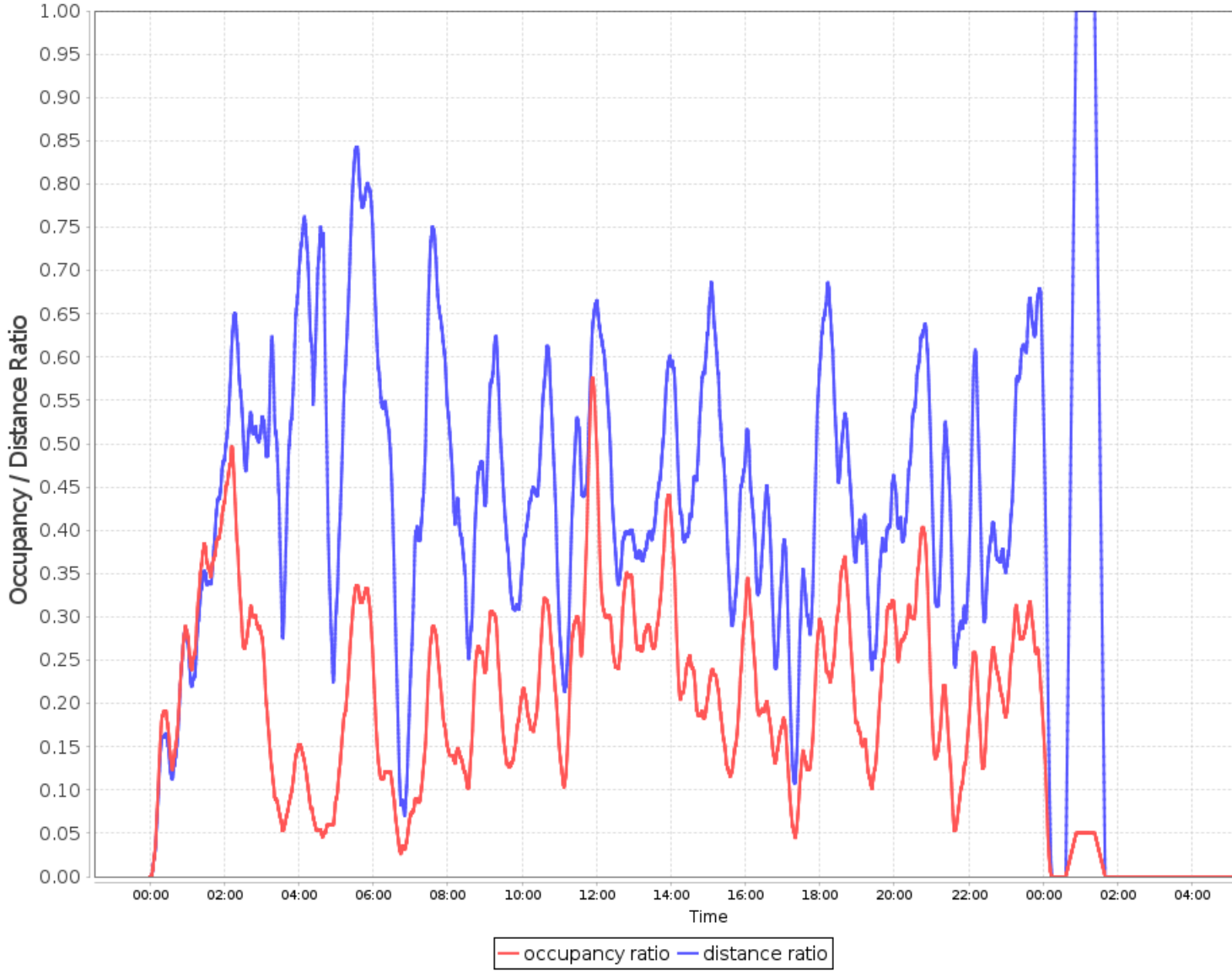


Fleet Efficiency

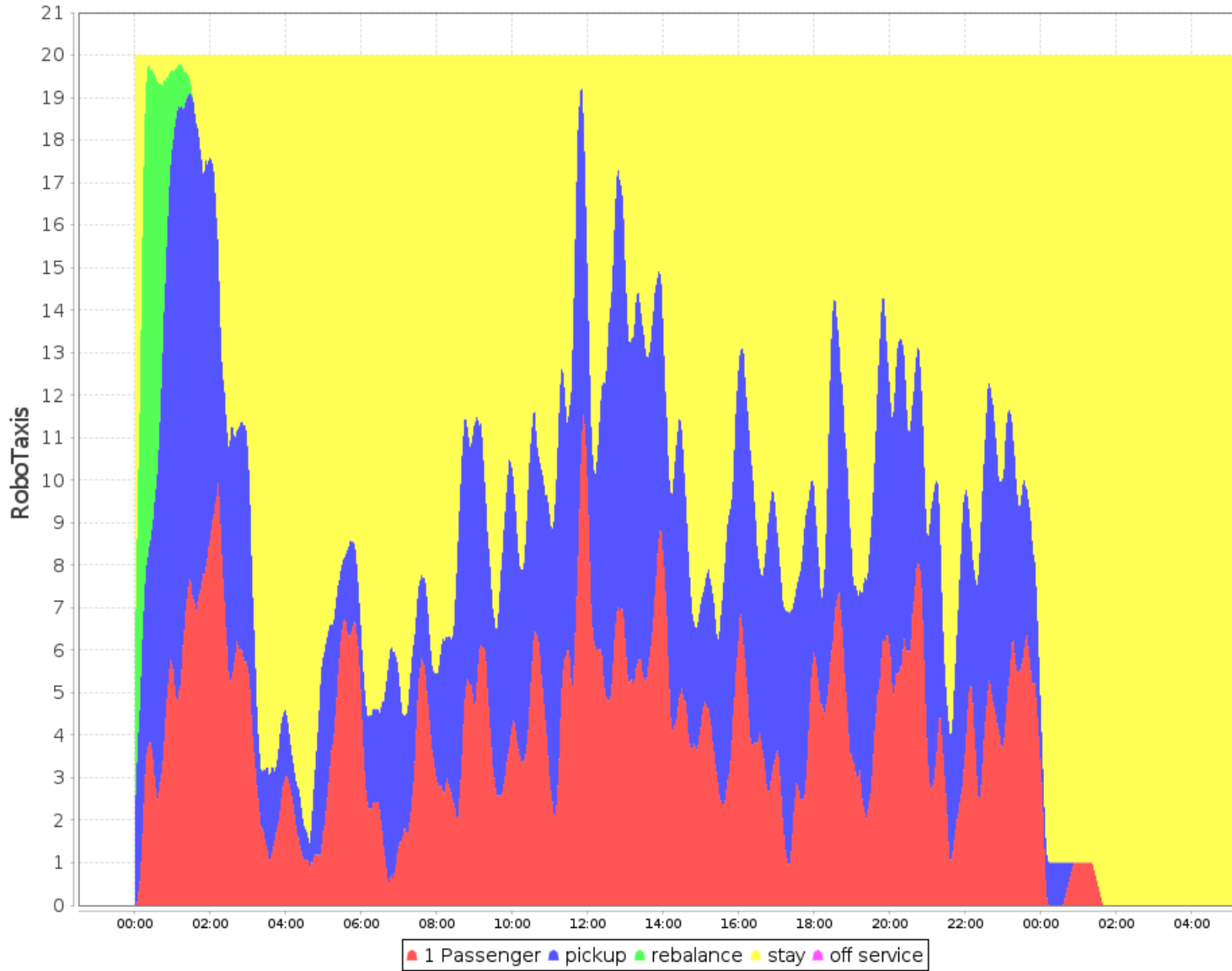
Distance Distribution over Day



Occupancy and Distance Ratios



Number Passengers



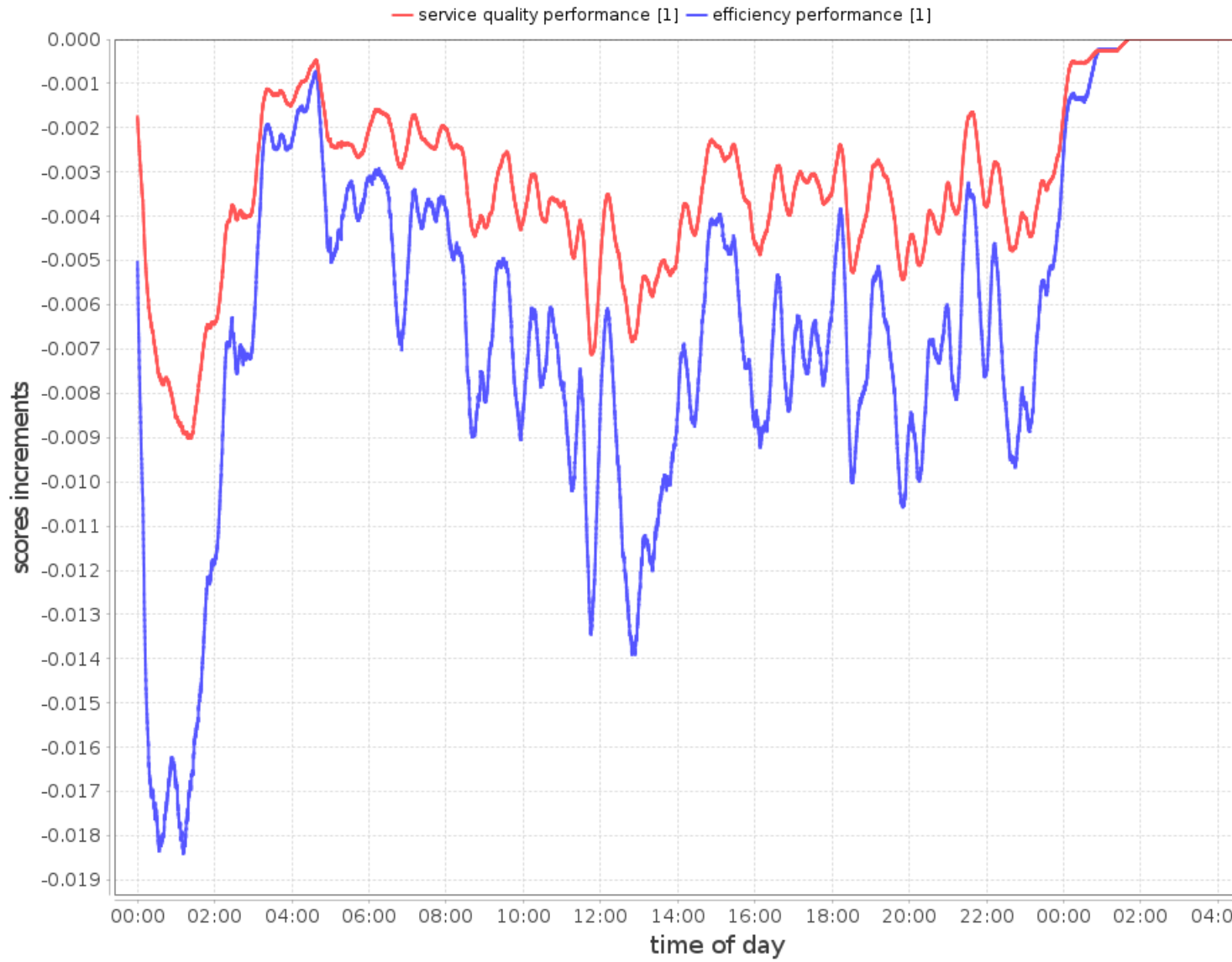
Ride Sharing Distribution, fraction of Requests



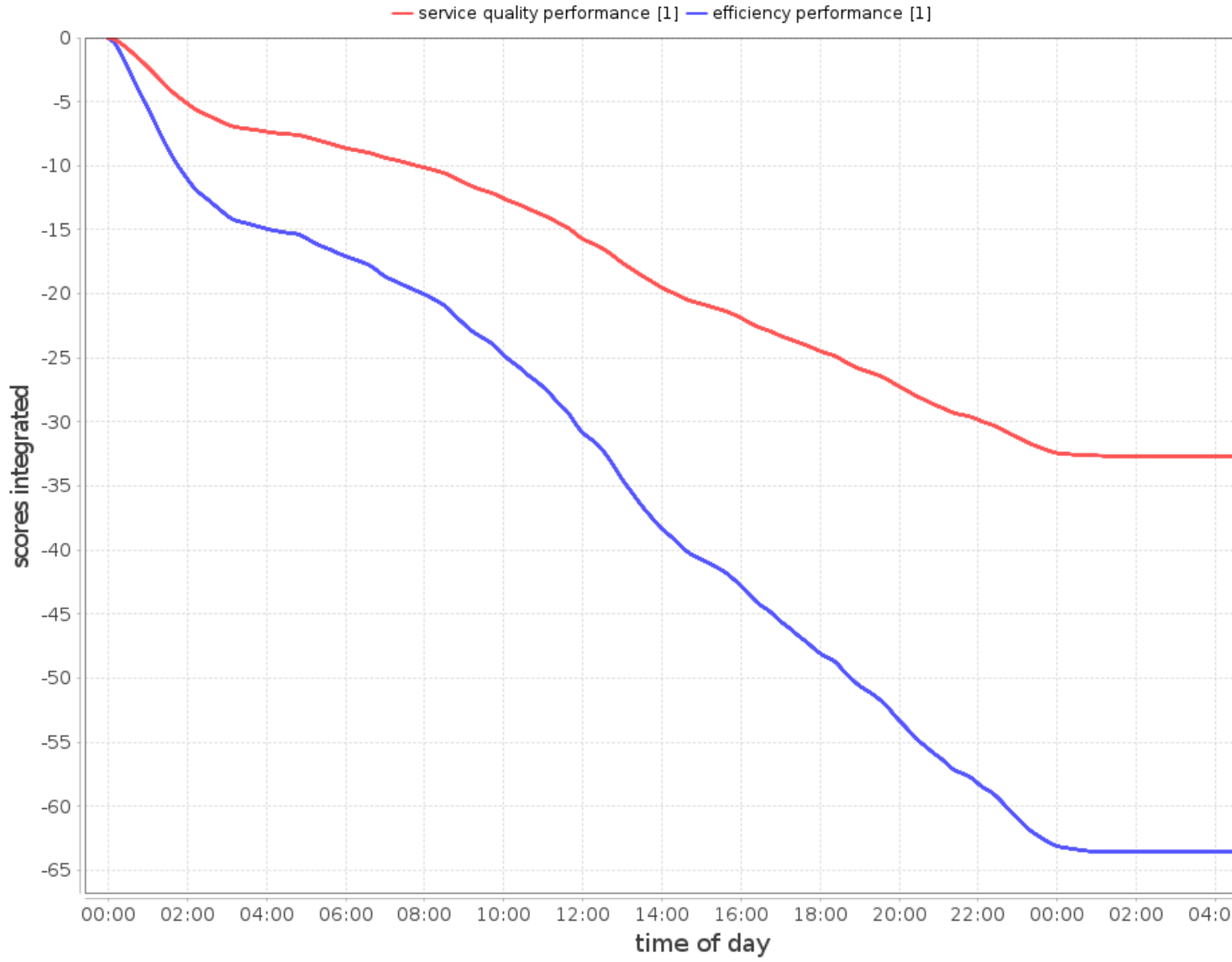
Aido Scores

Scores during Simulation

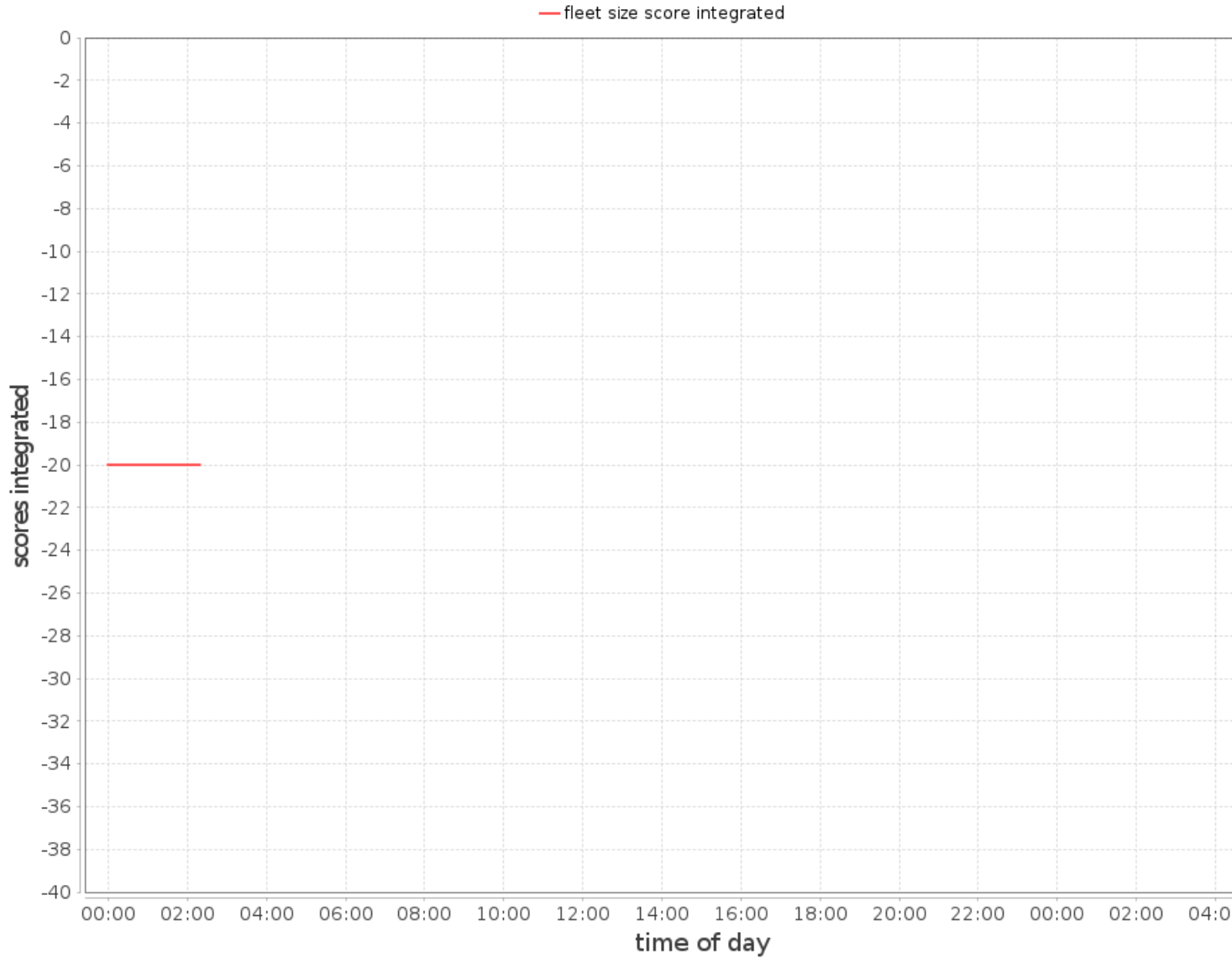
Service Quality and Efficiency Score Increments



Service Quality and Efficiency Score Integrated



Fleet Size Score Integrated



Final Scores

final service quality score: -32.668280203114726
final efficiency score: -63.54840081245565
final fleet size score: -Infinity