



AMoDeus Simulation Report

Simulation Information

User: root
Timestamp: 2019/04/24 - 09:23:27

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

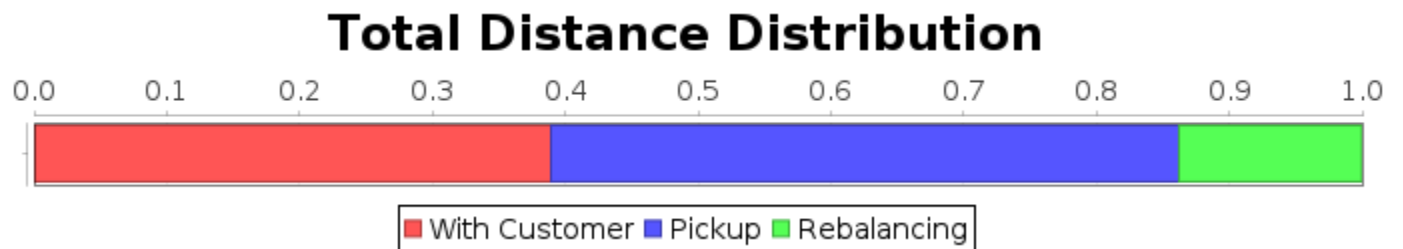
Aggregated Results

Distance Ratio: 38.93%
Occupancy Ratio: 17.86 %

Distances

Total: 21077.87 km
Rebalancing: 2904.60 km (13.78%)
Pickup: 9967.41 km (47.29%)
With Customer: 8205.87 km (38.93%)

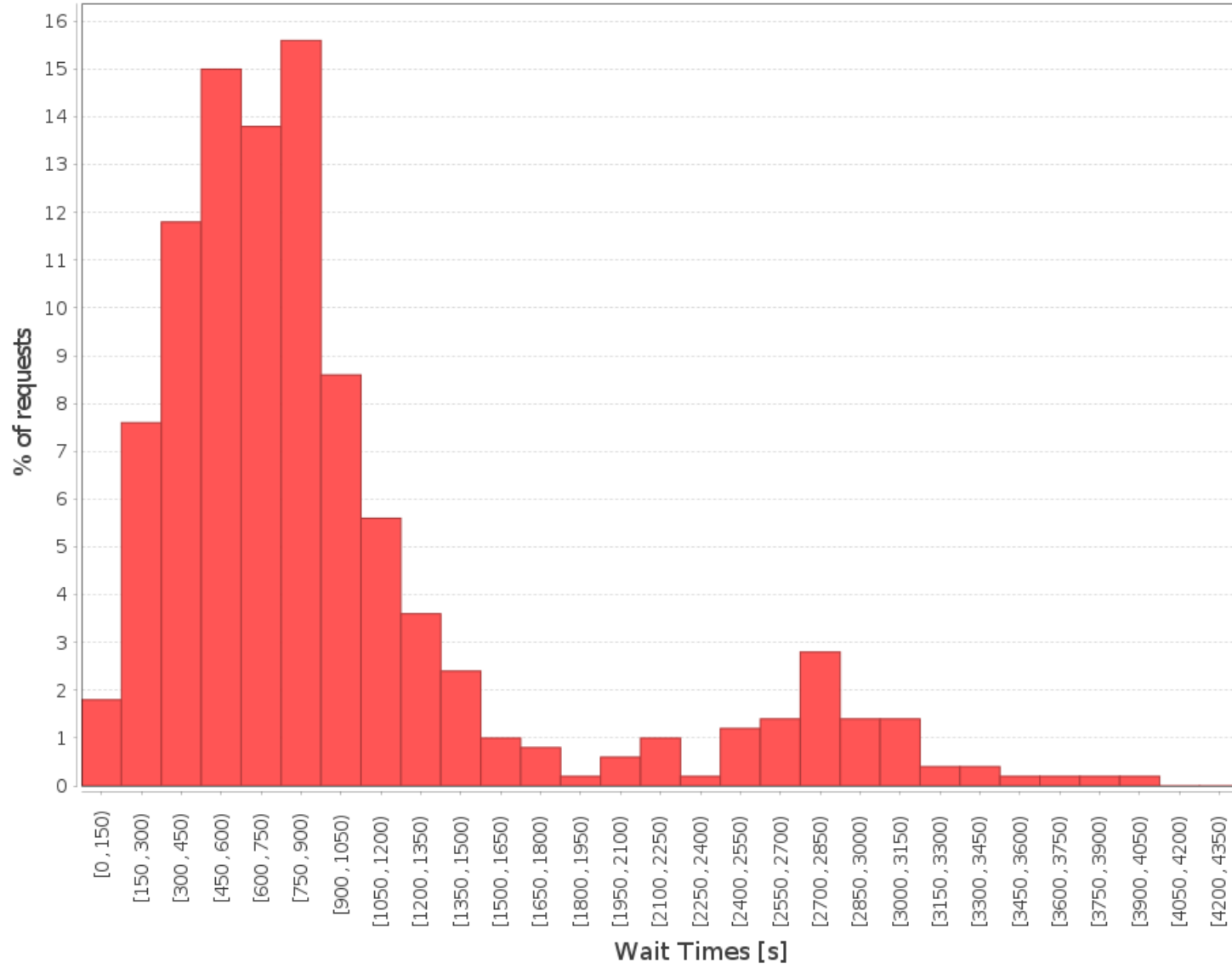
Average Trip Distance: 16.41 km



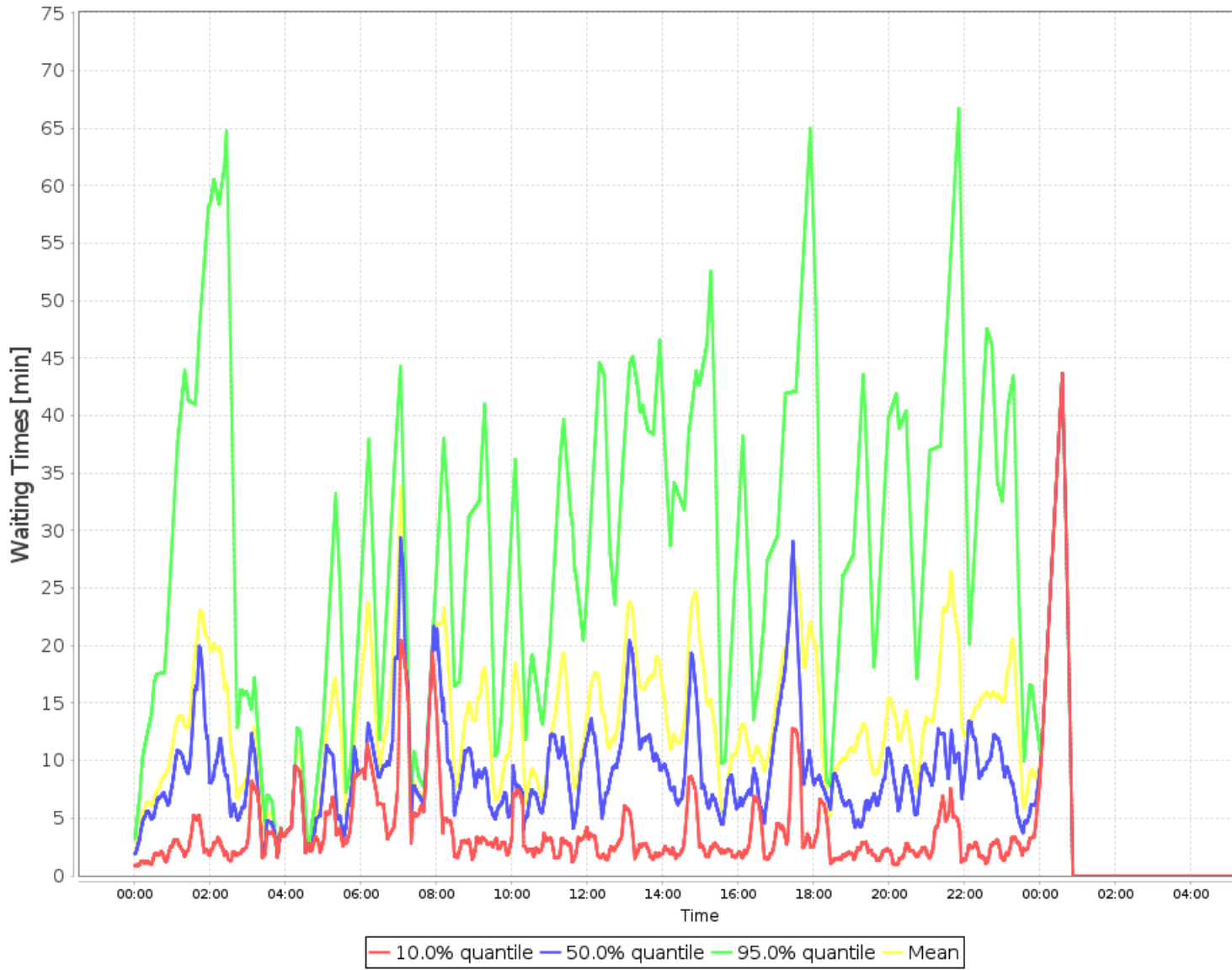
Wait Times

10.0% quantile: 00:05:09
50.0% quantile: 00:12:29
95.0% quantile: 00:46:59
Mean: 00:16:12
Maximum: 01:15:13

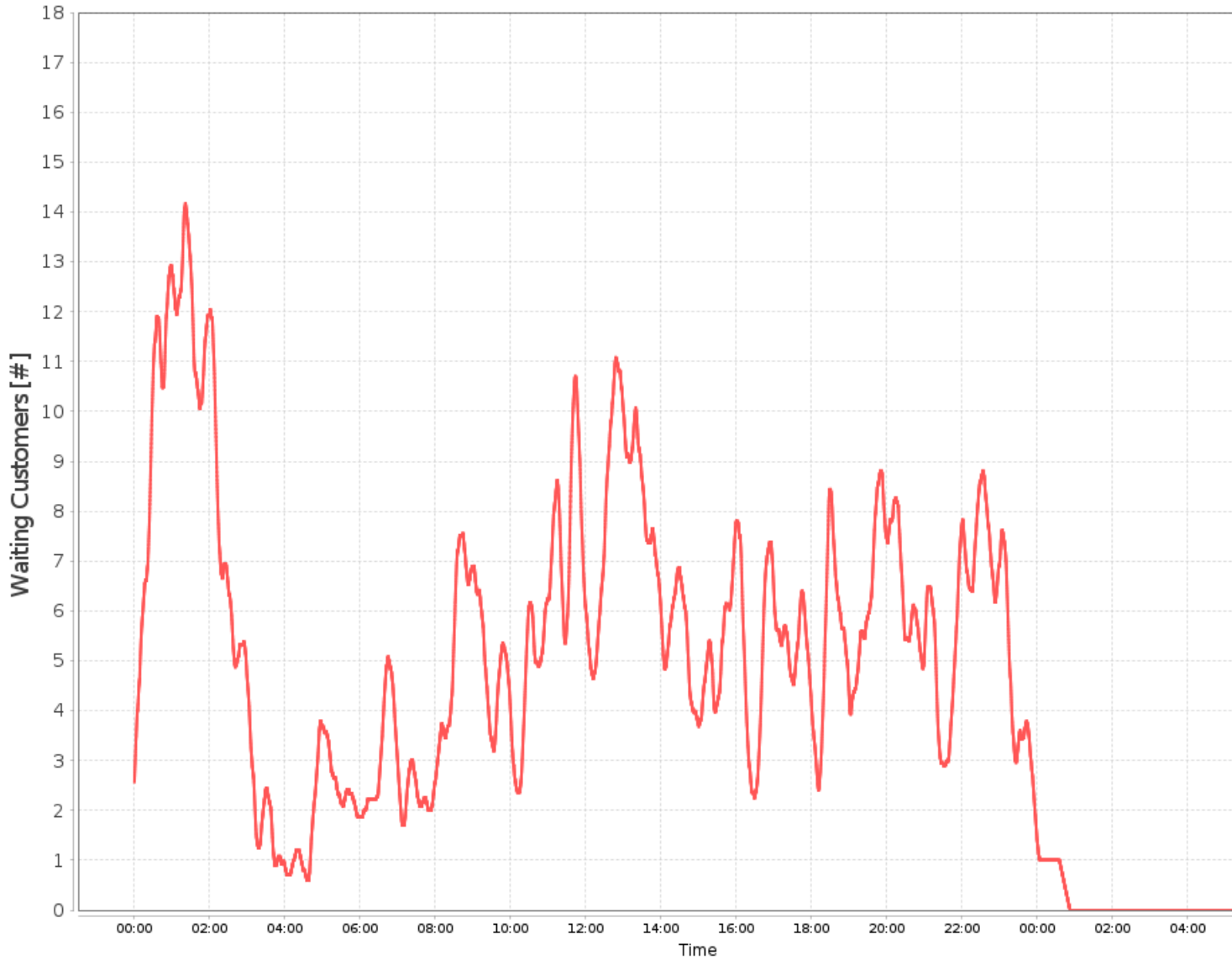
Number of Requests per Wait Time



Binned Waiting Times



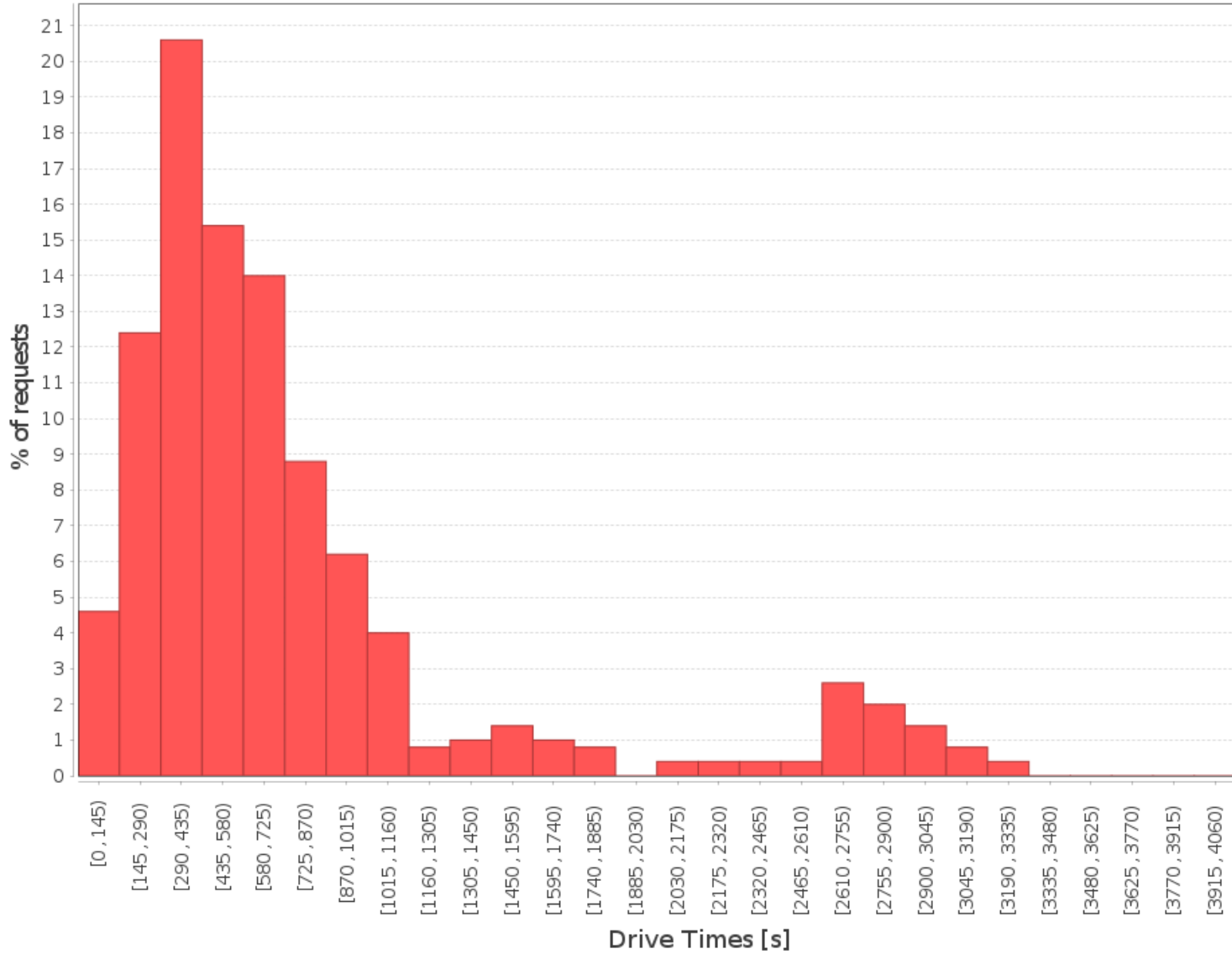
Waiting Customers per Day Time



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

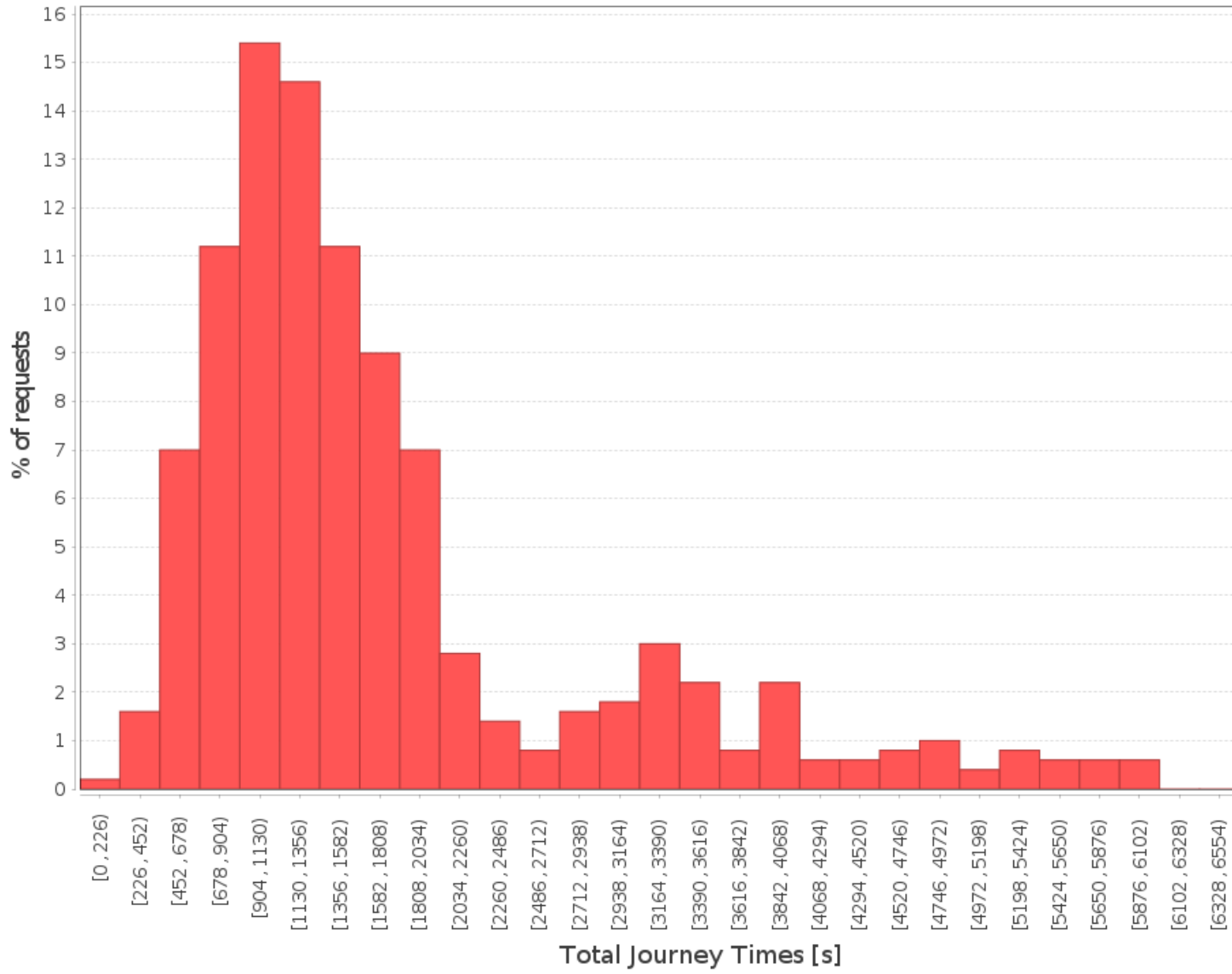
Number of Requests per Drive Time



Total Journey Times

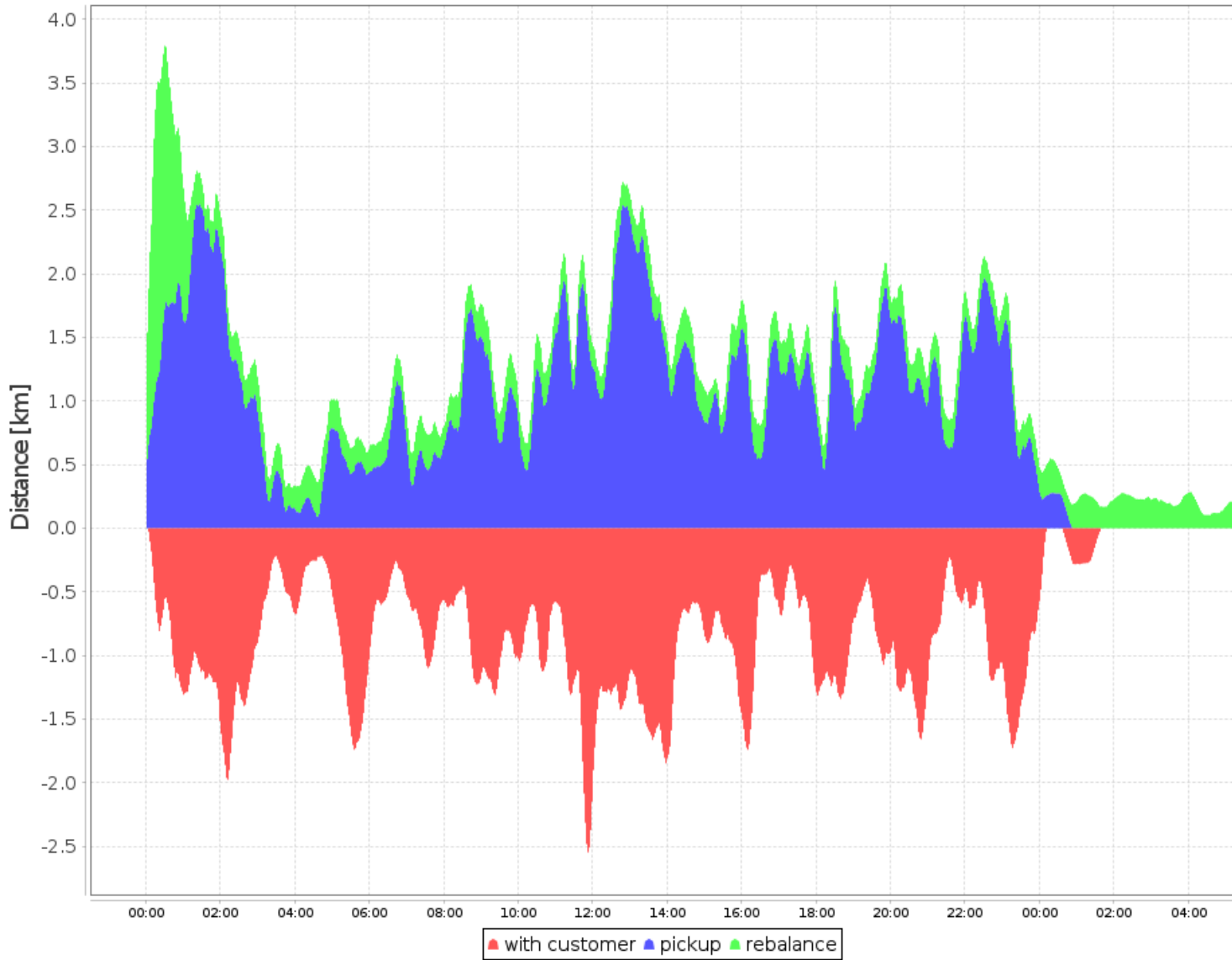
10.0% quantile	00:11:56
50.0% quantile	00:22:29
95.0% quantile	01:13:03
Mean	00:29:04
Maximum:	01:53:04

Number of Requests per Total Journey Time

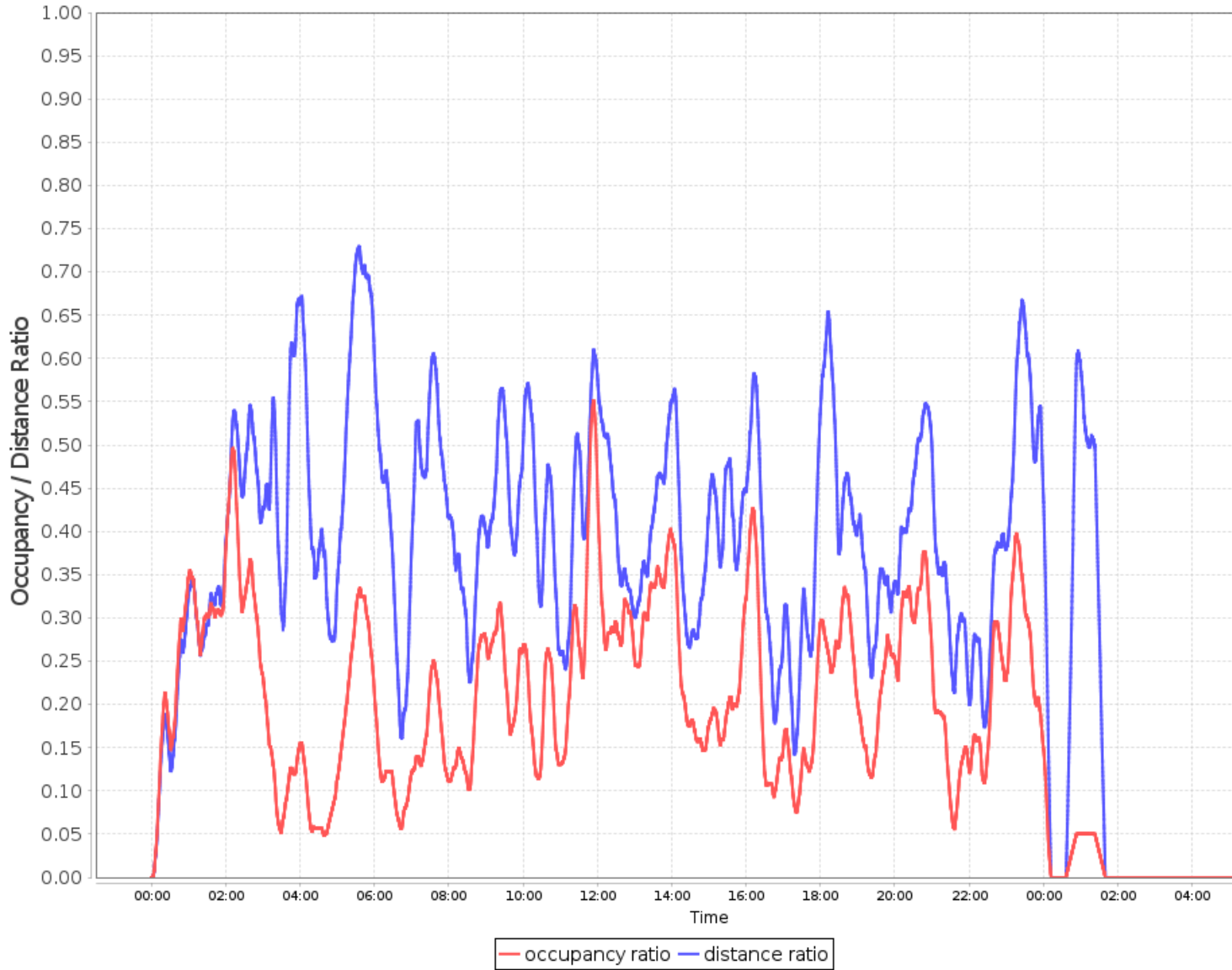


Fleet Efficiency

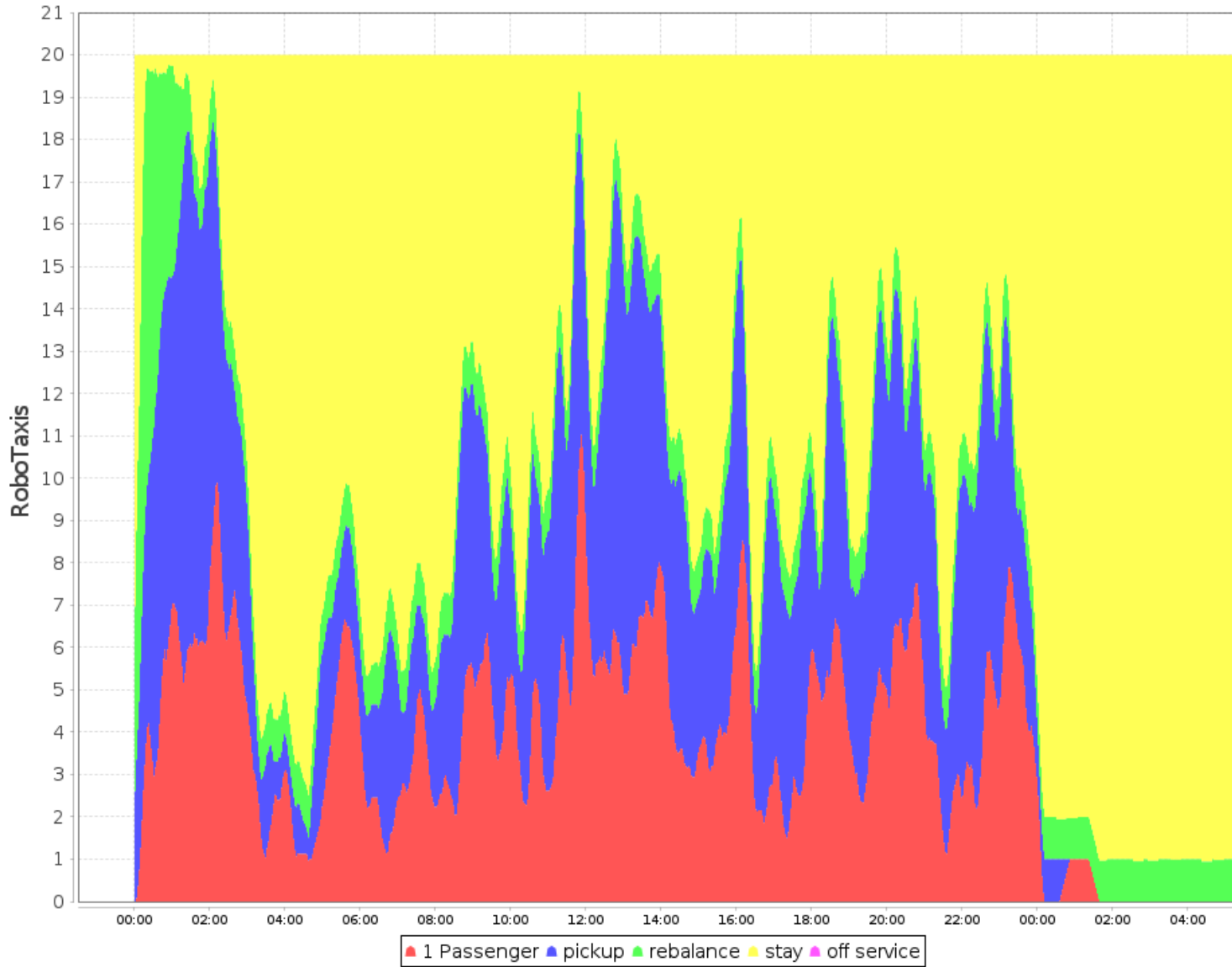
Distance Distribution over Day



Occupancy and Distance Ratios



Number Passengers



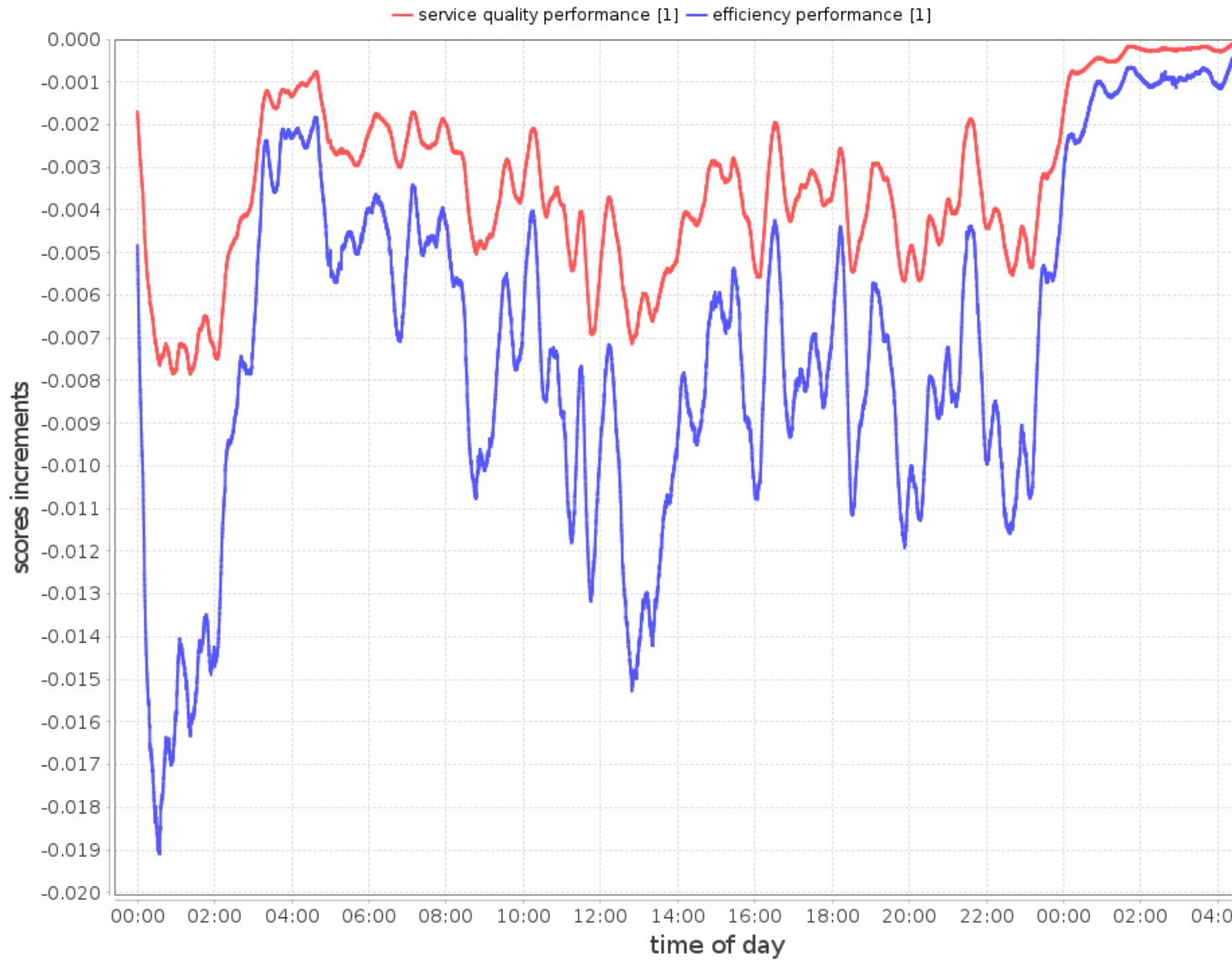
Ride Sharing Distribution, fraction of Requests



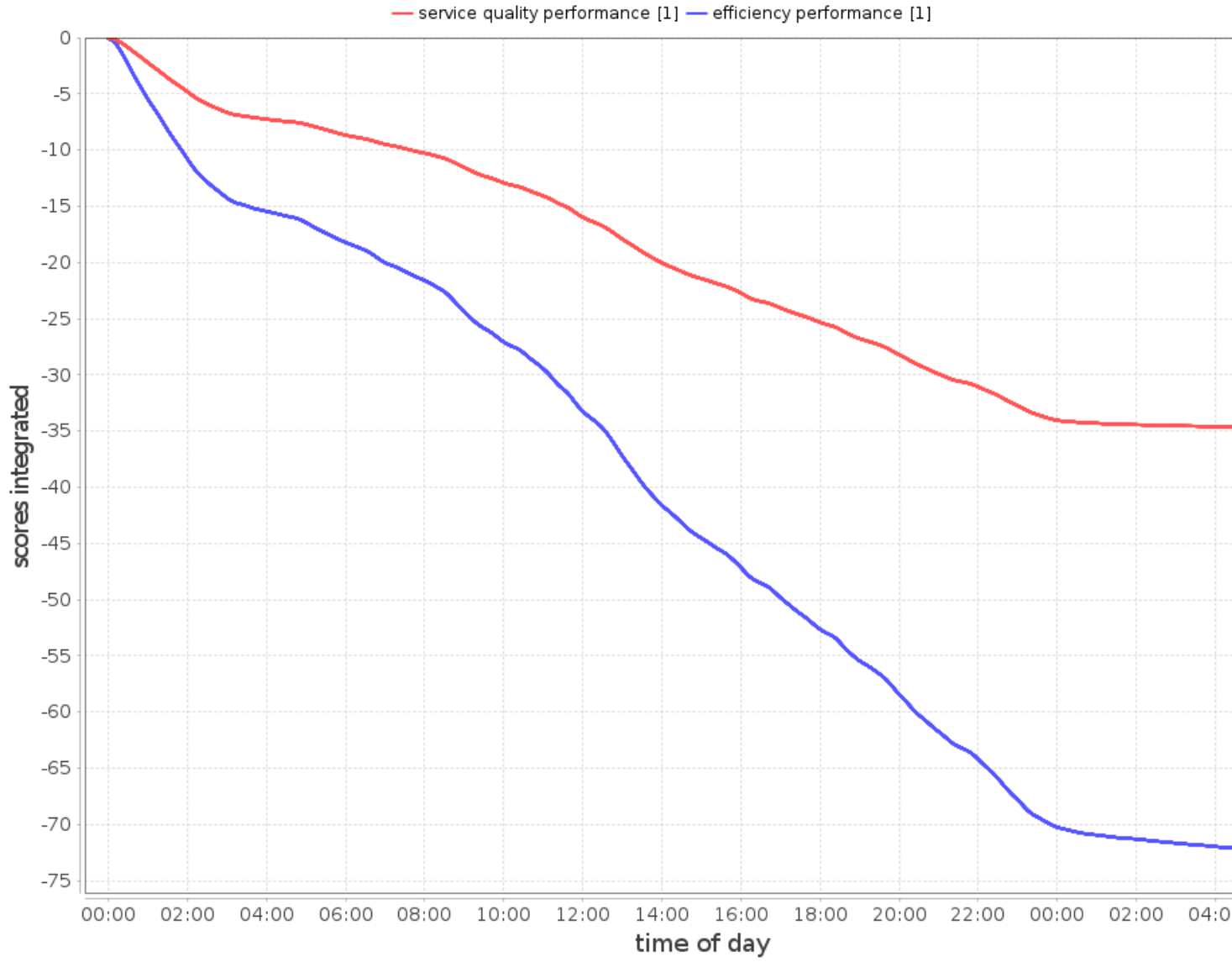
Aido Scores

Scores during Simulation

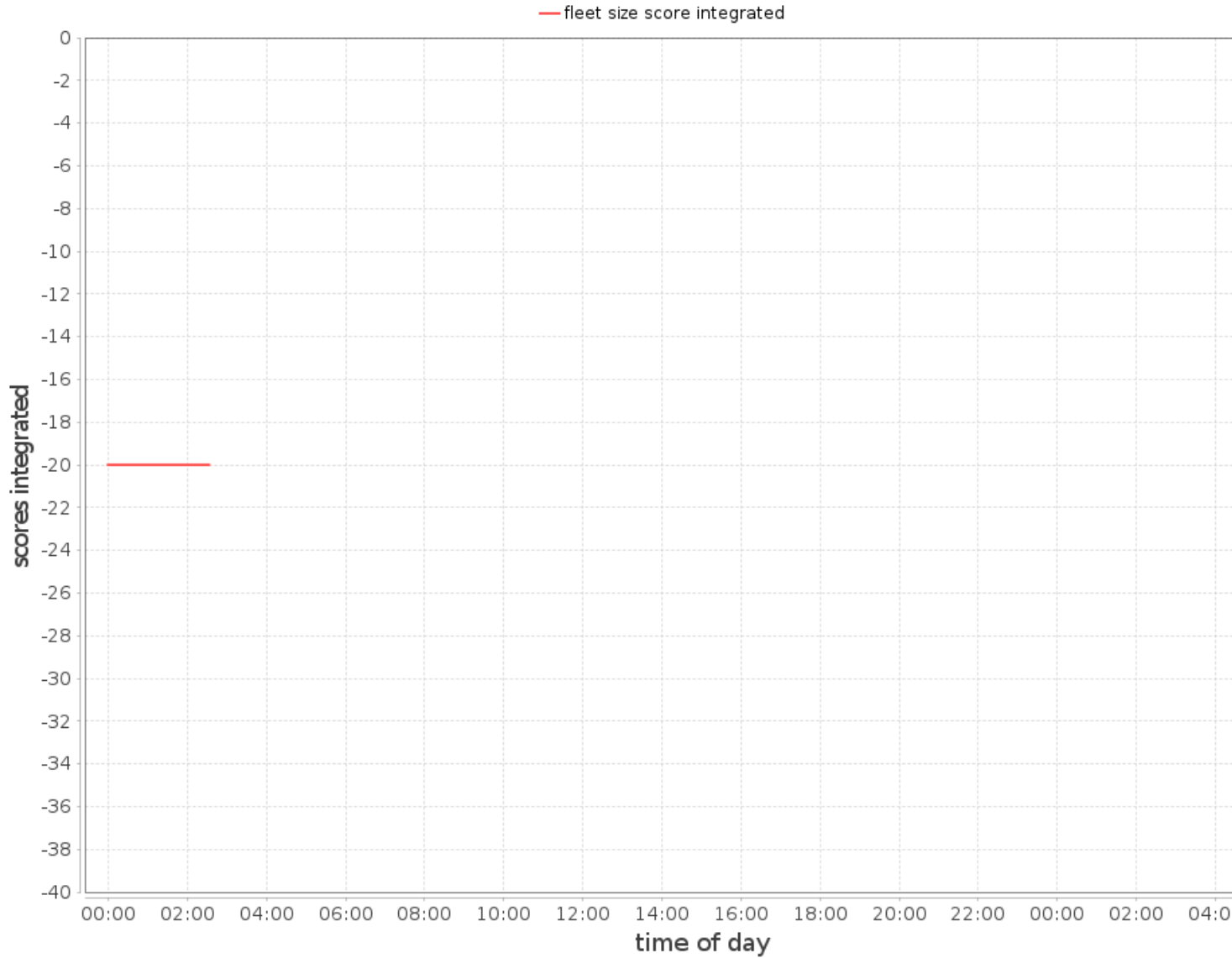
Service Quality and Efficiency Score Increments



Service Quality and Efficiency Score Integrated



Fleet Size Score Integrated



Final Scores

final service quality score: -34.731579597778605
final efficiency score: -72.470398391115
final fleet size score: -Infinity