



AMoDeus Simulation Report

Simulation Information

User: root
Timestamp: 2018/11/13 - 10:42:32

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

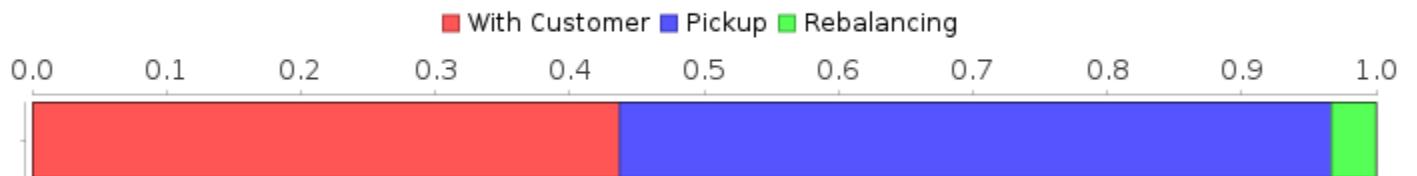
Distance Ratio: 43.74%
Occupancy Ratio: 17.86 %

Distances

Total: 18746.48 km
Rebalancing: 616.01 km (3.29%)
Pickup: 9930.24 km (52.97%)
With Customer: 8200.22 km (43.74%)

Average Trip Distance: 16.40 km

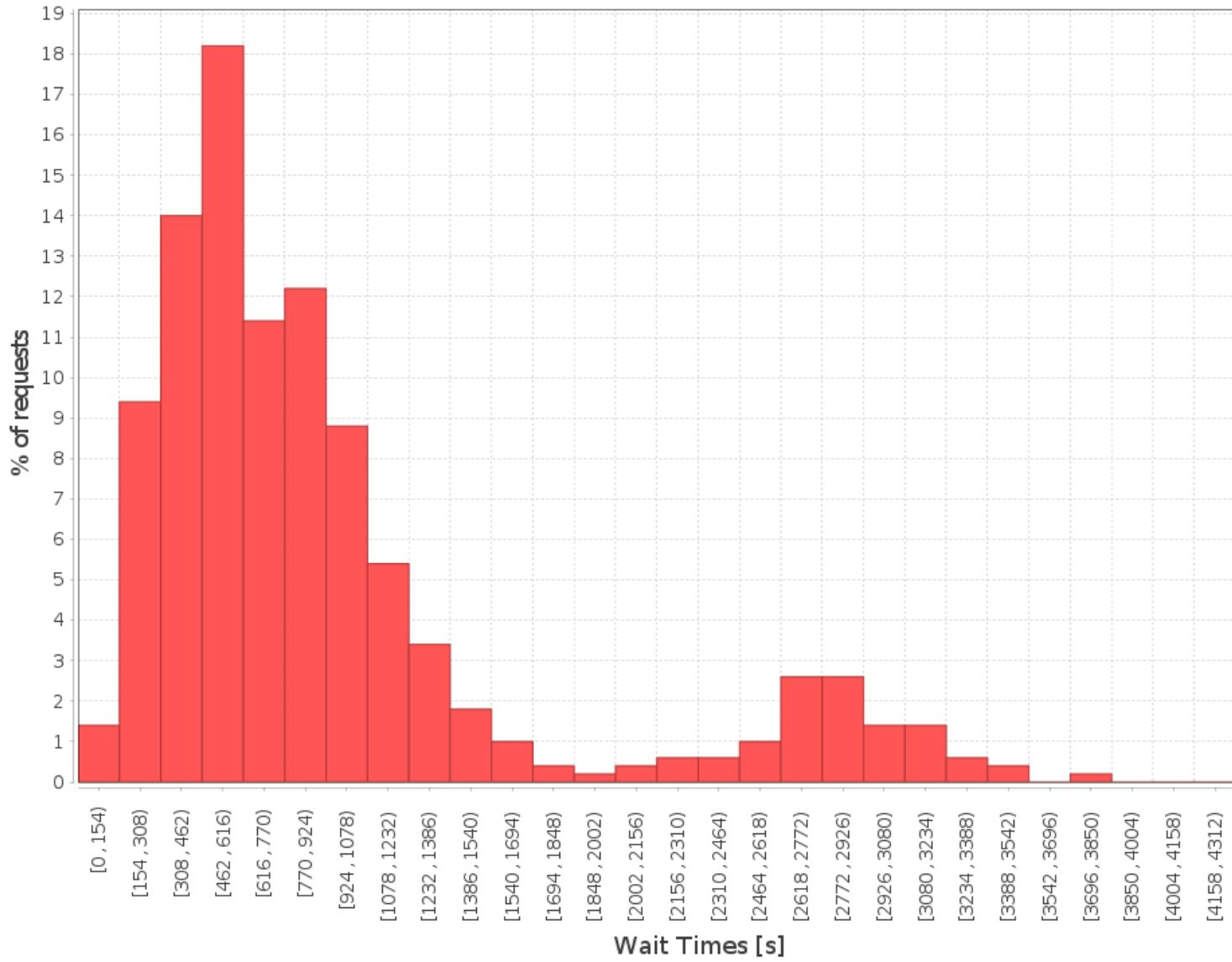
Total Distance Distribution



Wait Times

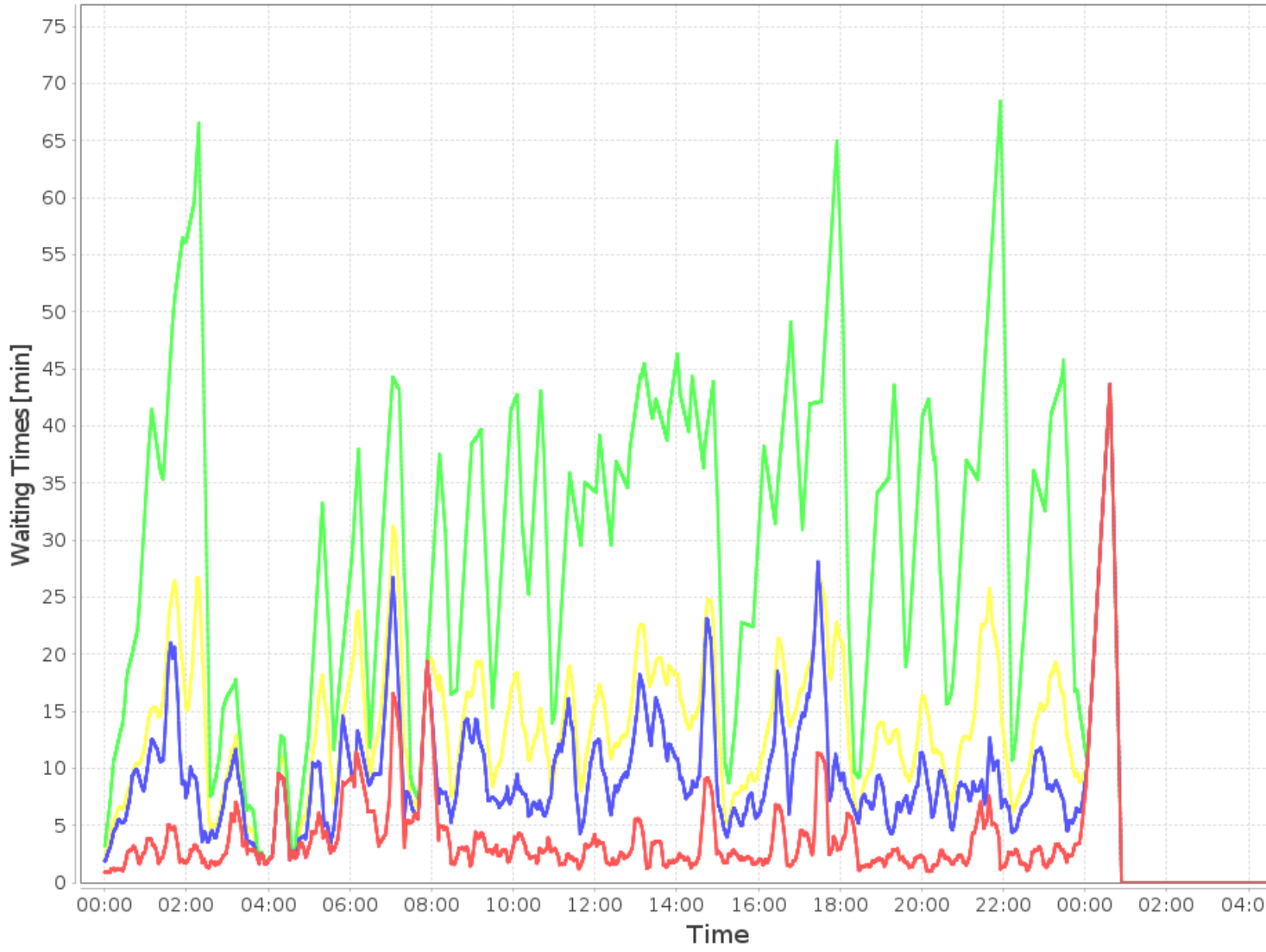
10.0% quantile 00:04:53
50.0% quantile 00:11:49
95.0% quantile 00:47:33
Mean 00:16:05
Maximum: 01:16:58

Number of Requests per Wait Time

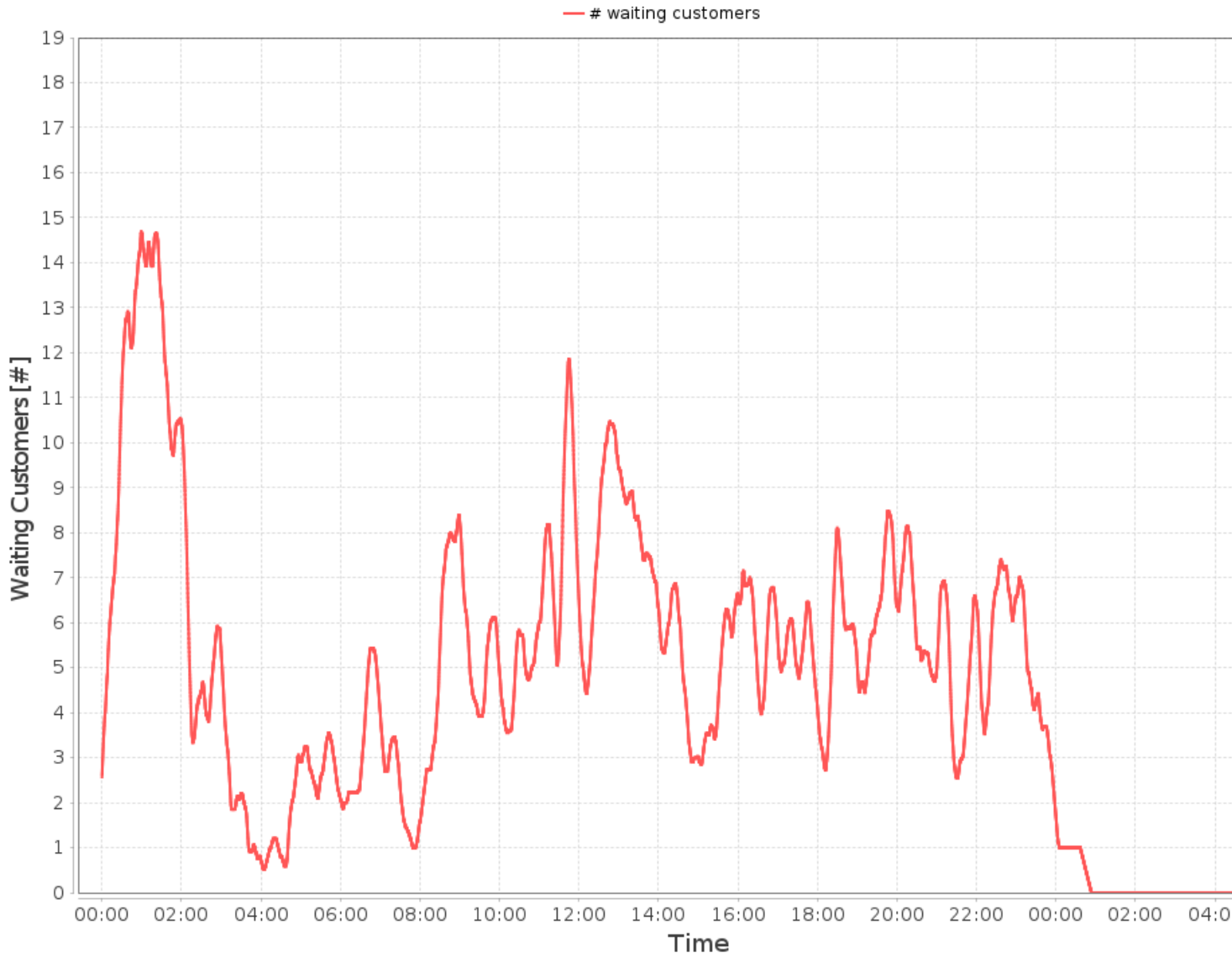


Binned Waiting Times

— 10.0% quantile — 50.0% quantile — 95.0% quantile — Mean



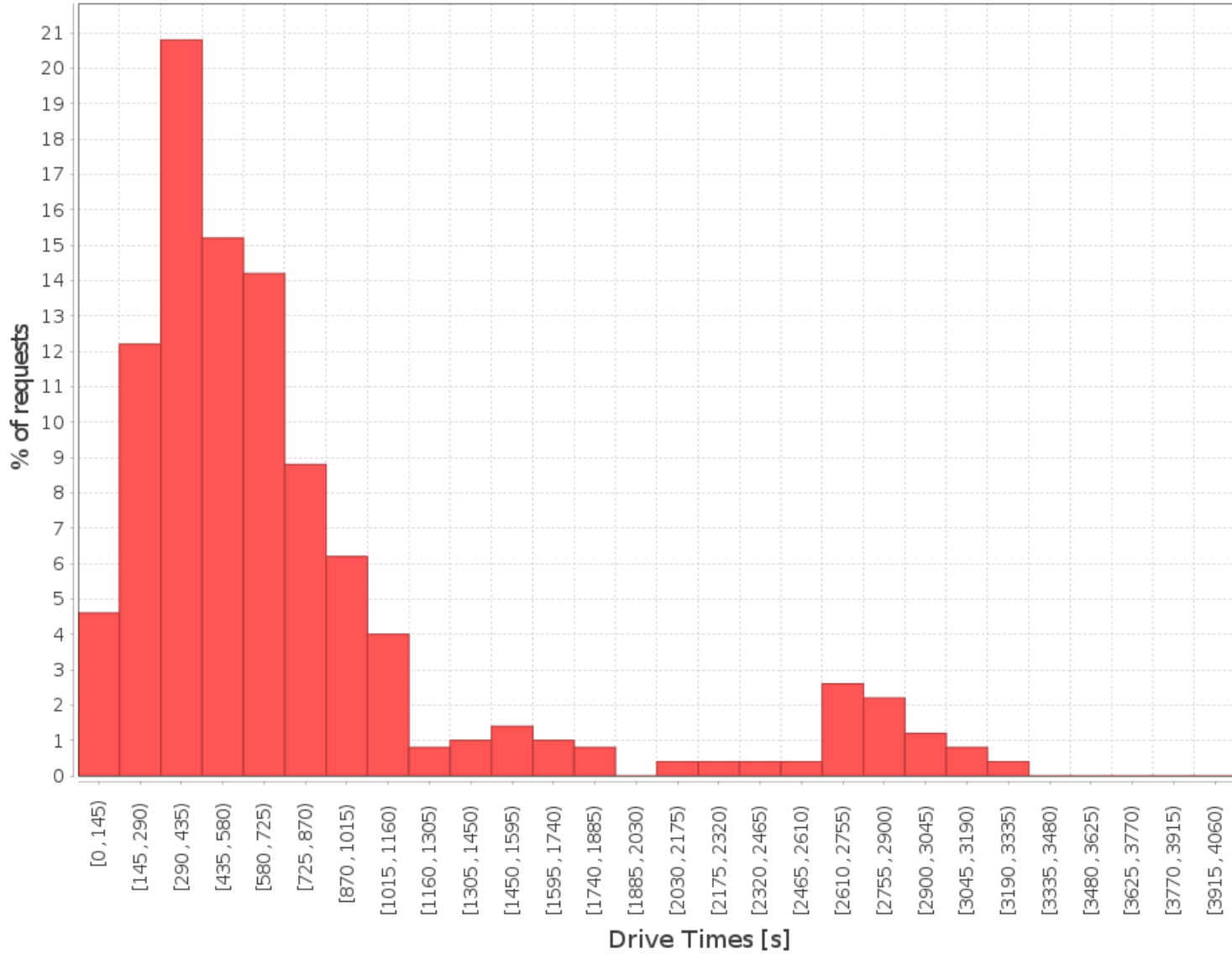
Waiting Customers per Day Time



Drive Times

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

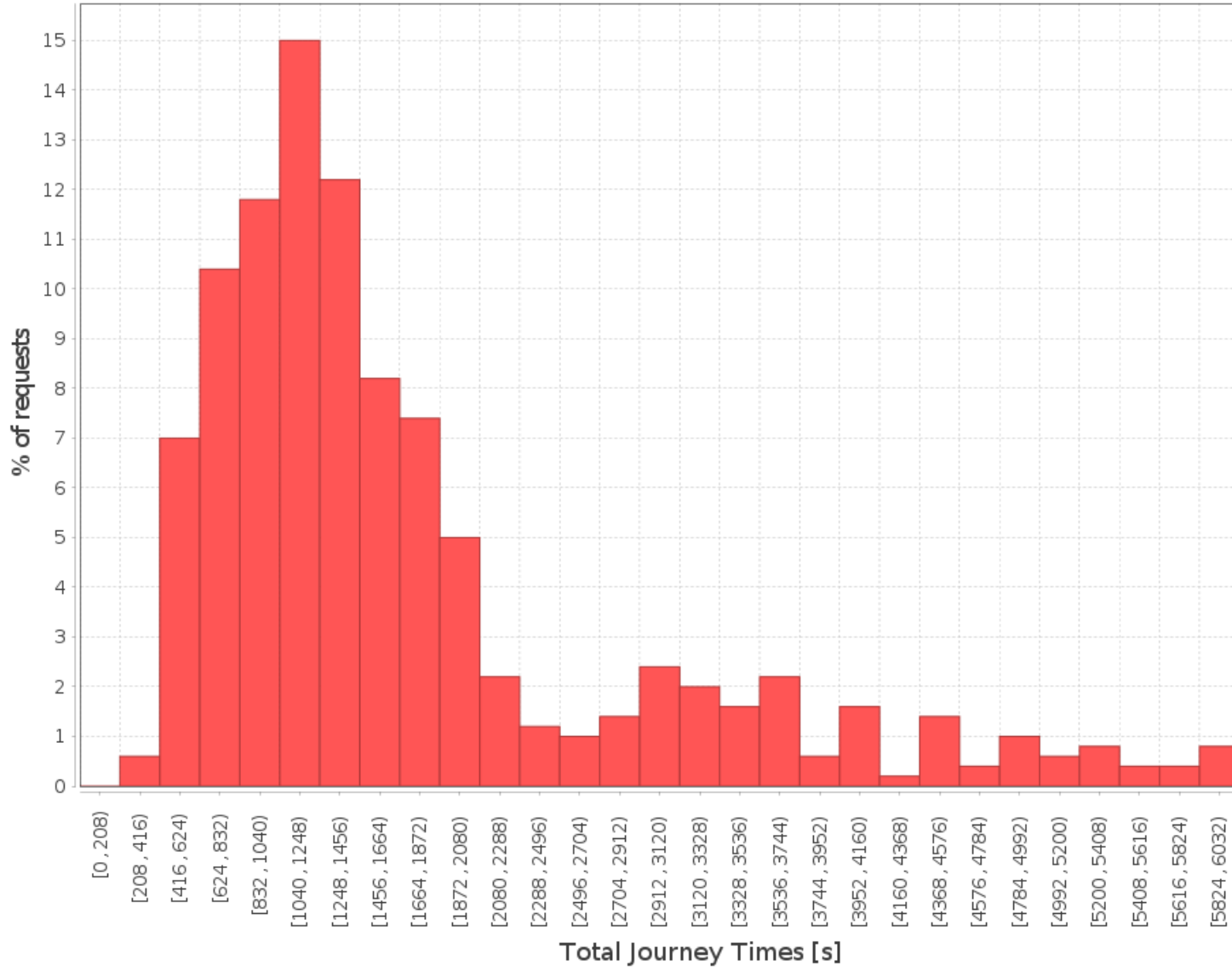
Number of Requests per Drive Time



Total Journey Times

10.0% quantile	00:11:13
50.0% quantile	00:22:07
95.0% quantile	01:13:46
Mean	00:28:56
Maximum:	01:44:03

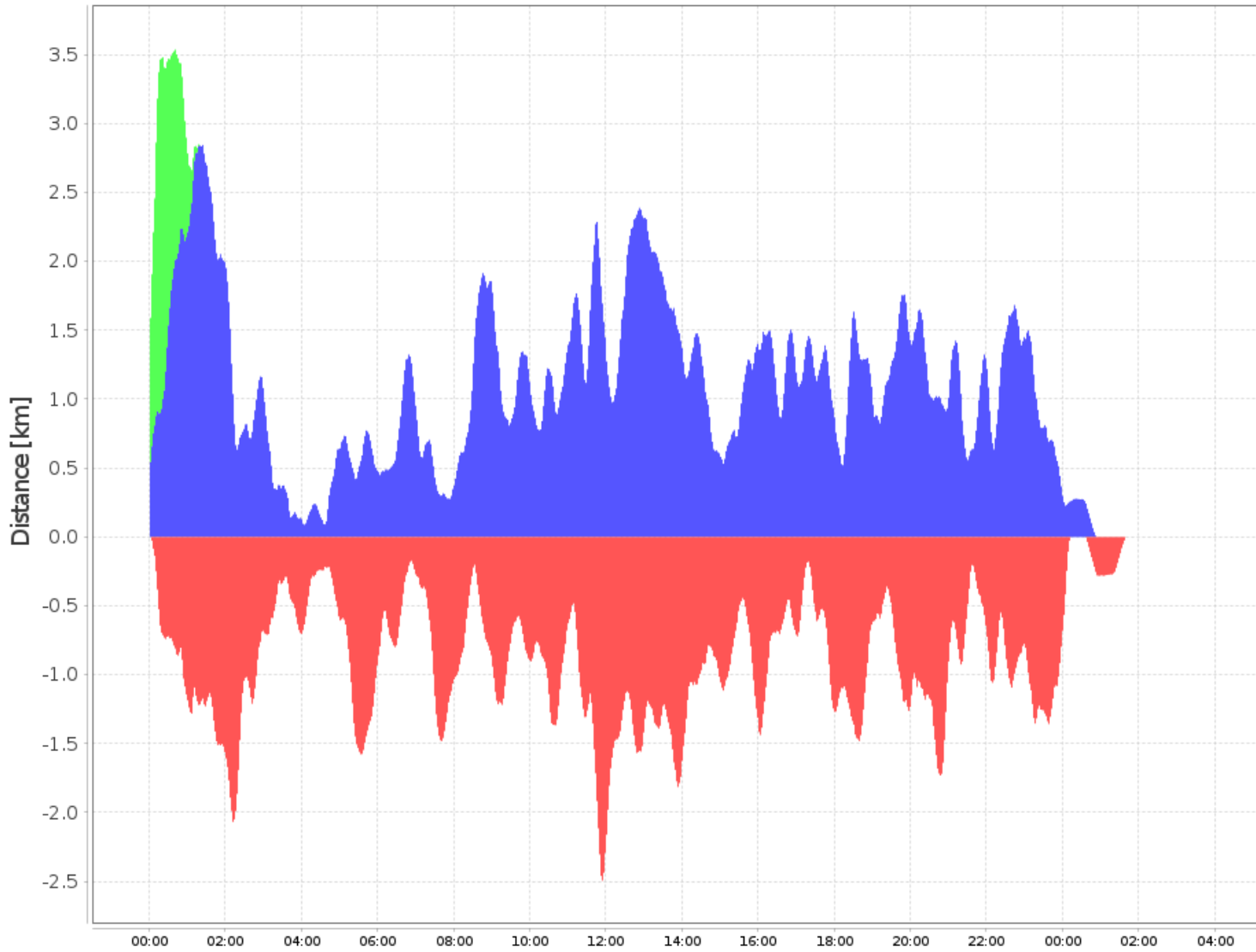
Number of Requests per Total Journey Time



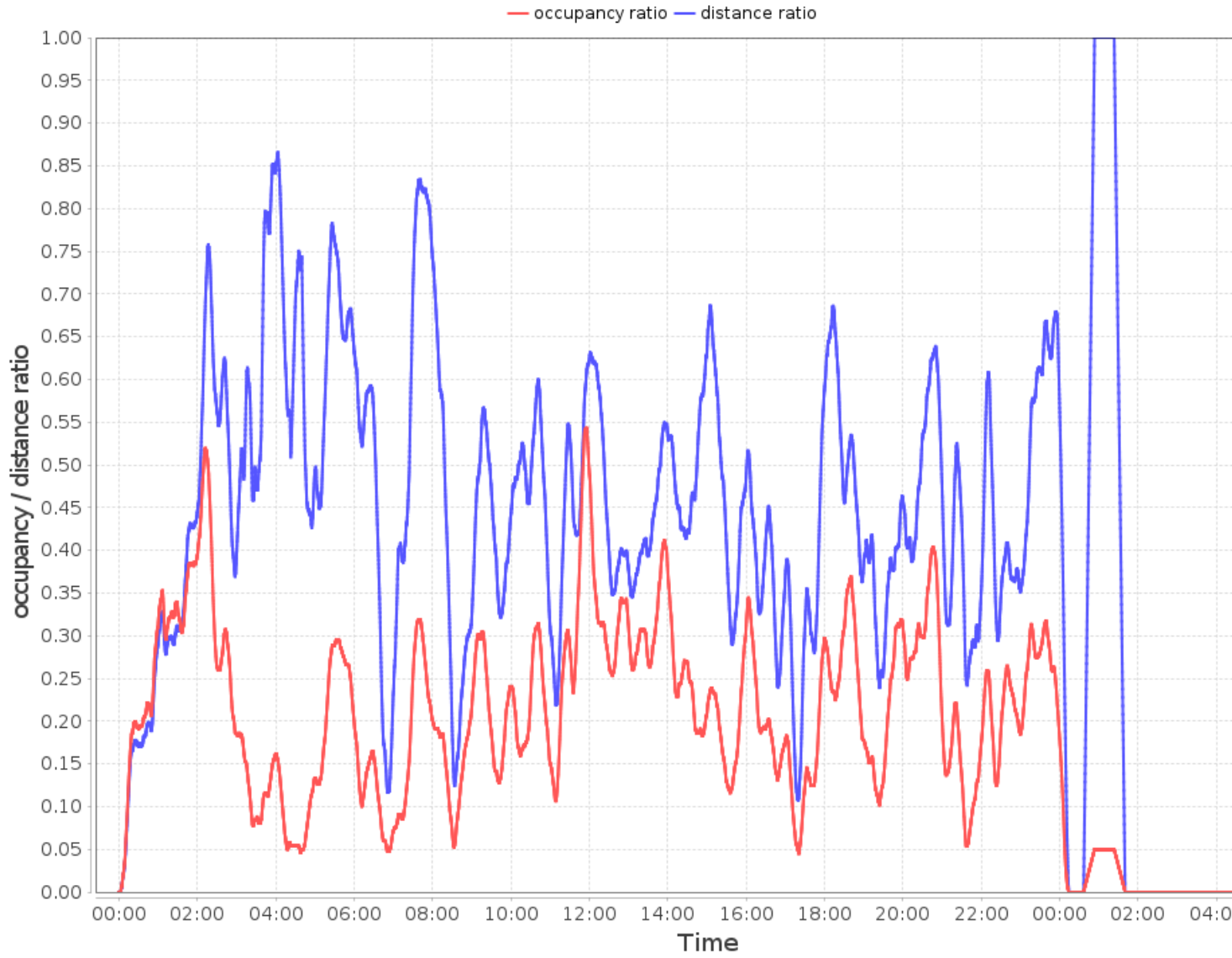
Fleet Efficiency

Distance Distribution over Day

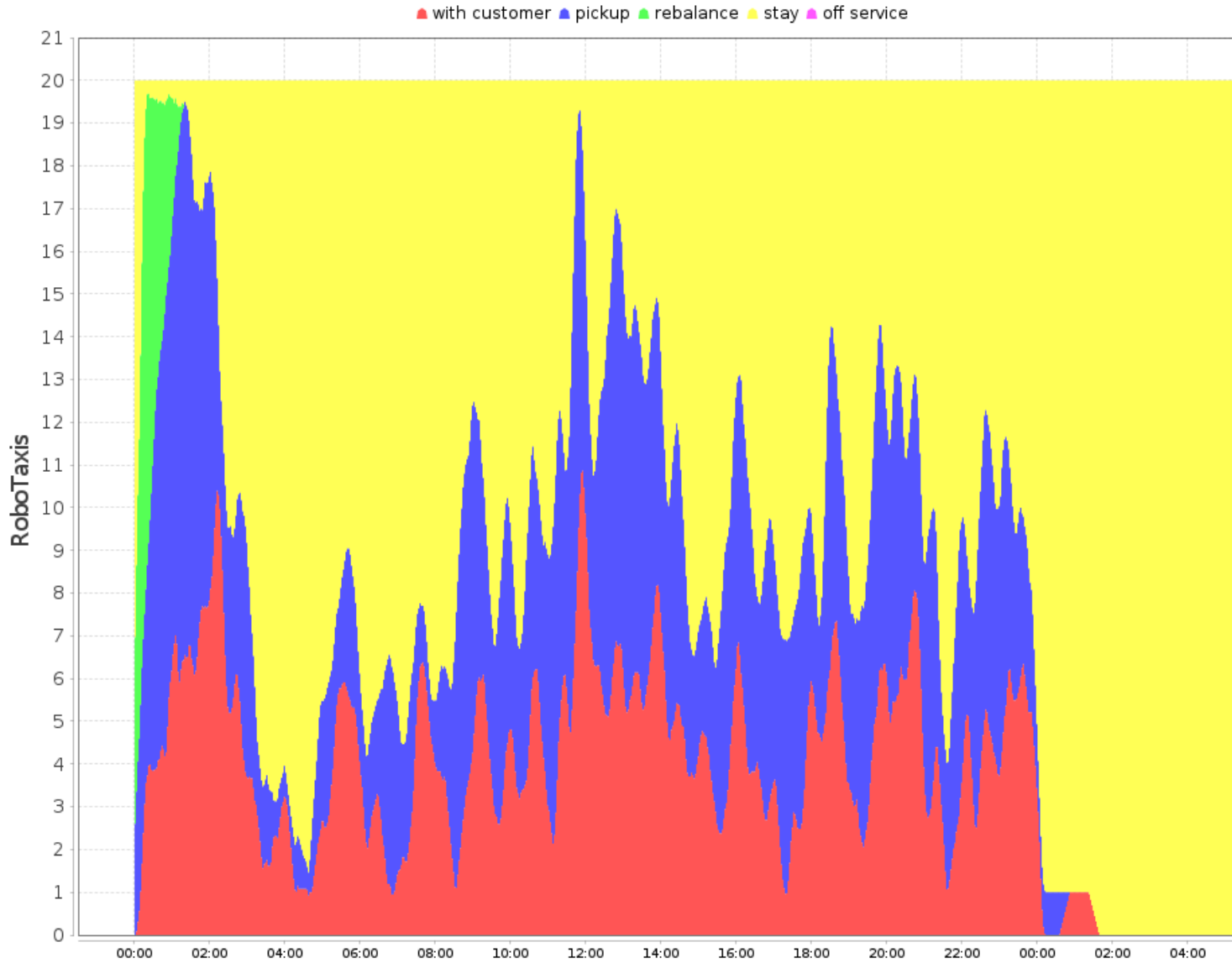
with customer pickup rebalance



Occupancy and Distance Ratios



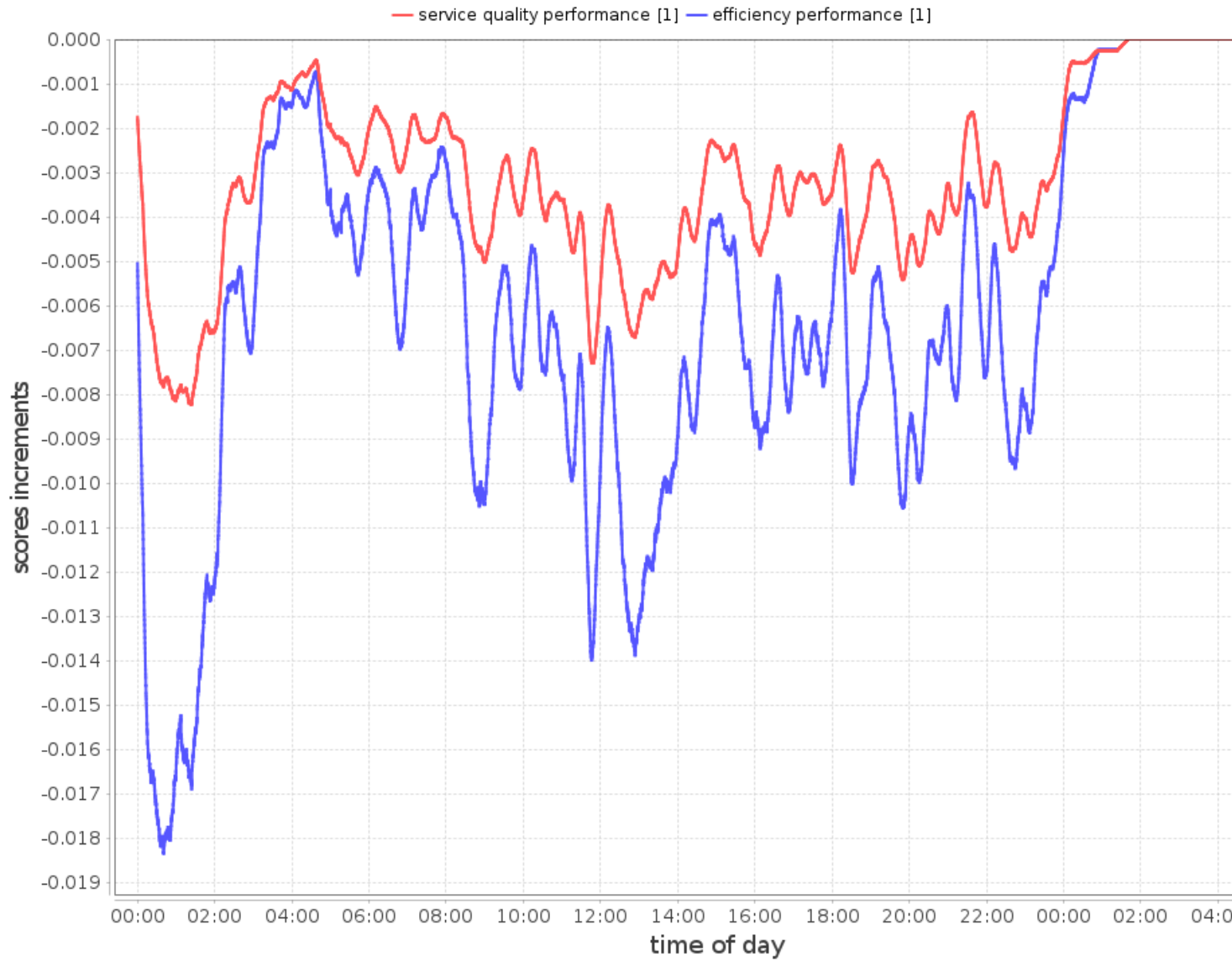
Status Distribution



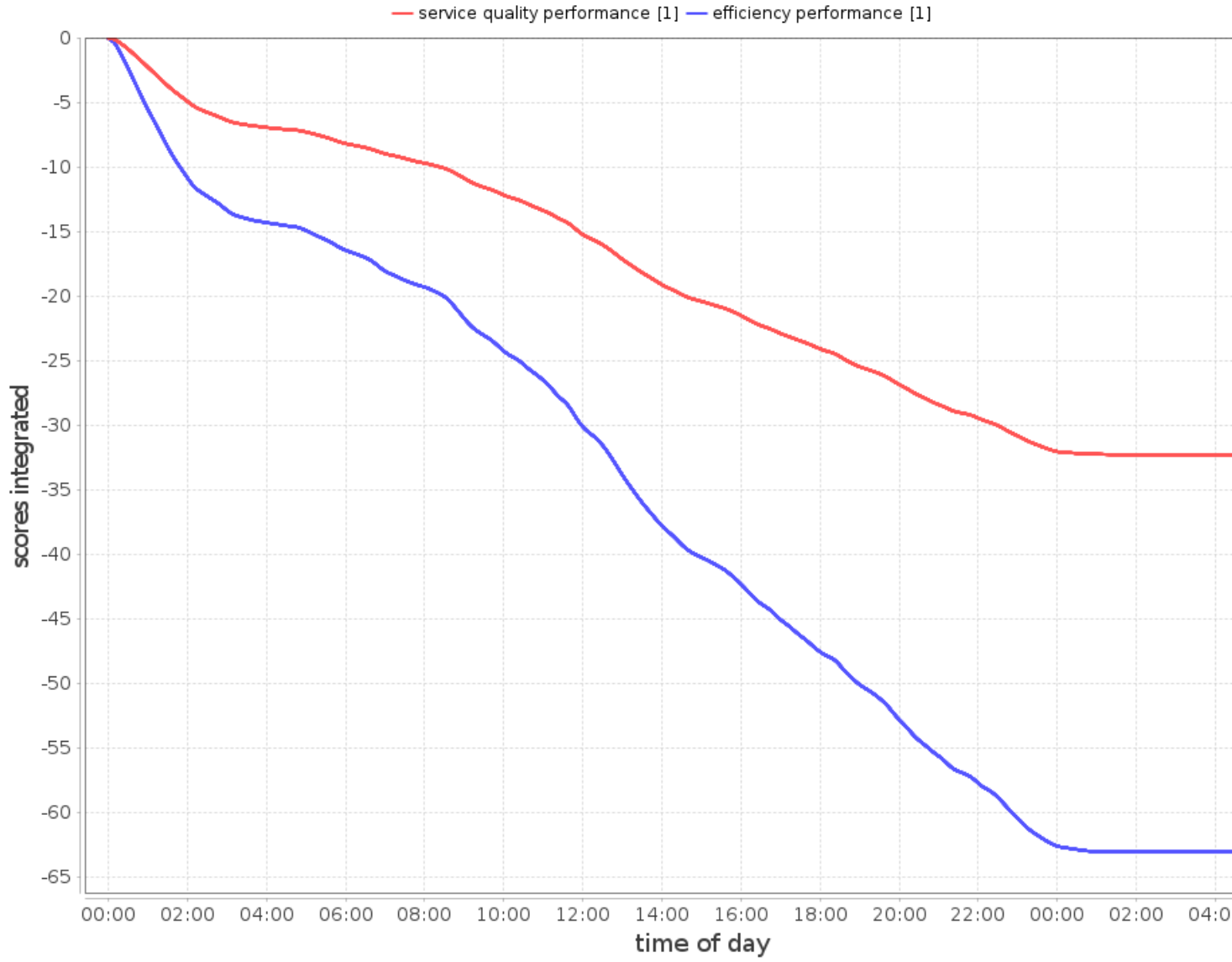
Aido Scores

Scores during Simulation

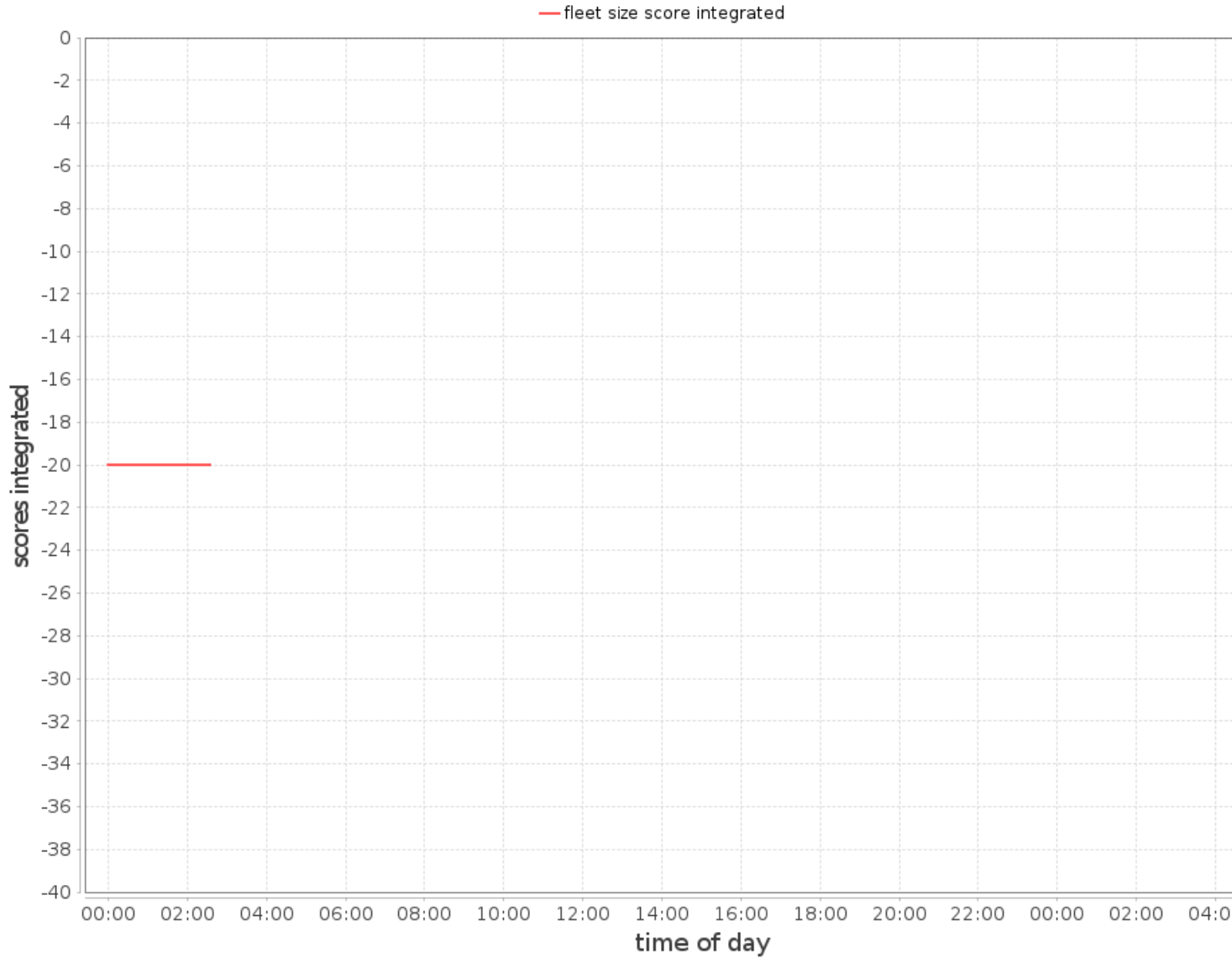
Service Quality and Efficiency Score Increments



Service Quality and Efficiency Score Integrated



Fleet Size Score Integrated



Final Scores

final service quality score: -32.316005441692916
final efficiency score: -63.08398176676834
final fleet size score: -Infinity

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