



# AMoDeus Simulation Report

## Simulation Information

User: root  
Timestamp: 2018/12/03 - 14:43:45  
  
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

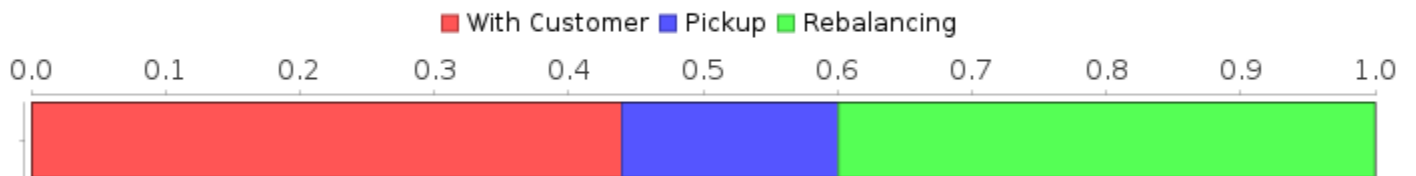
Distance Ratio: 43.98%  
Occupancy Ratio: 17.87 %

## Distances

Total: 18640.07 km  
Rebalancing: 7439.57 km (39.91%)  
Pickup: 3003.33 km (16.11%)  
With Customer: 8197.18 km (43.98%)

Average Trip Distance: 16.39 km

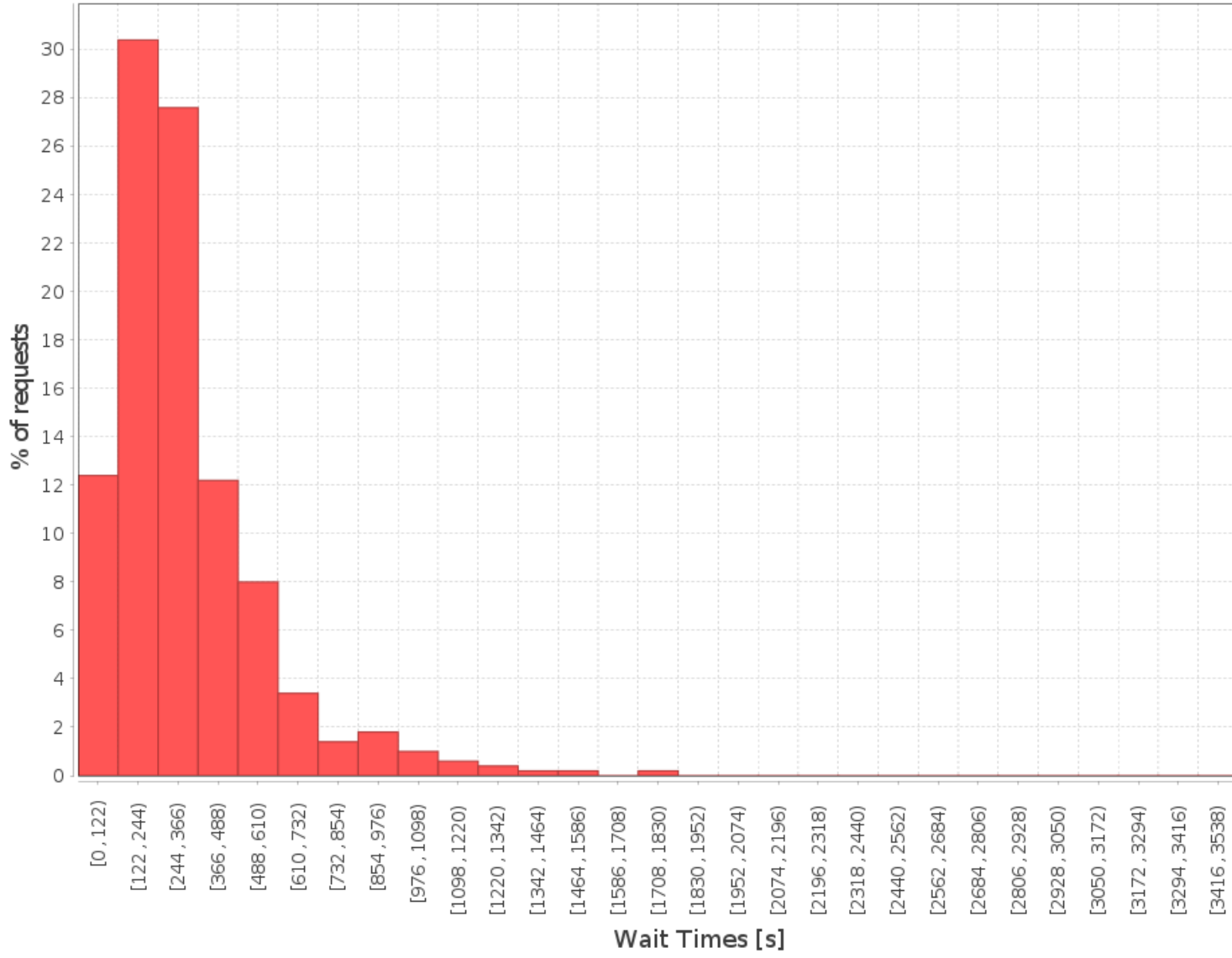
## Total Distance Distribution



## Wait Times

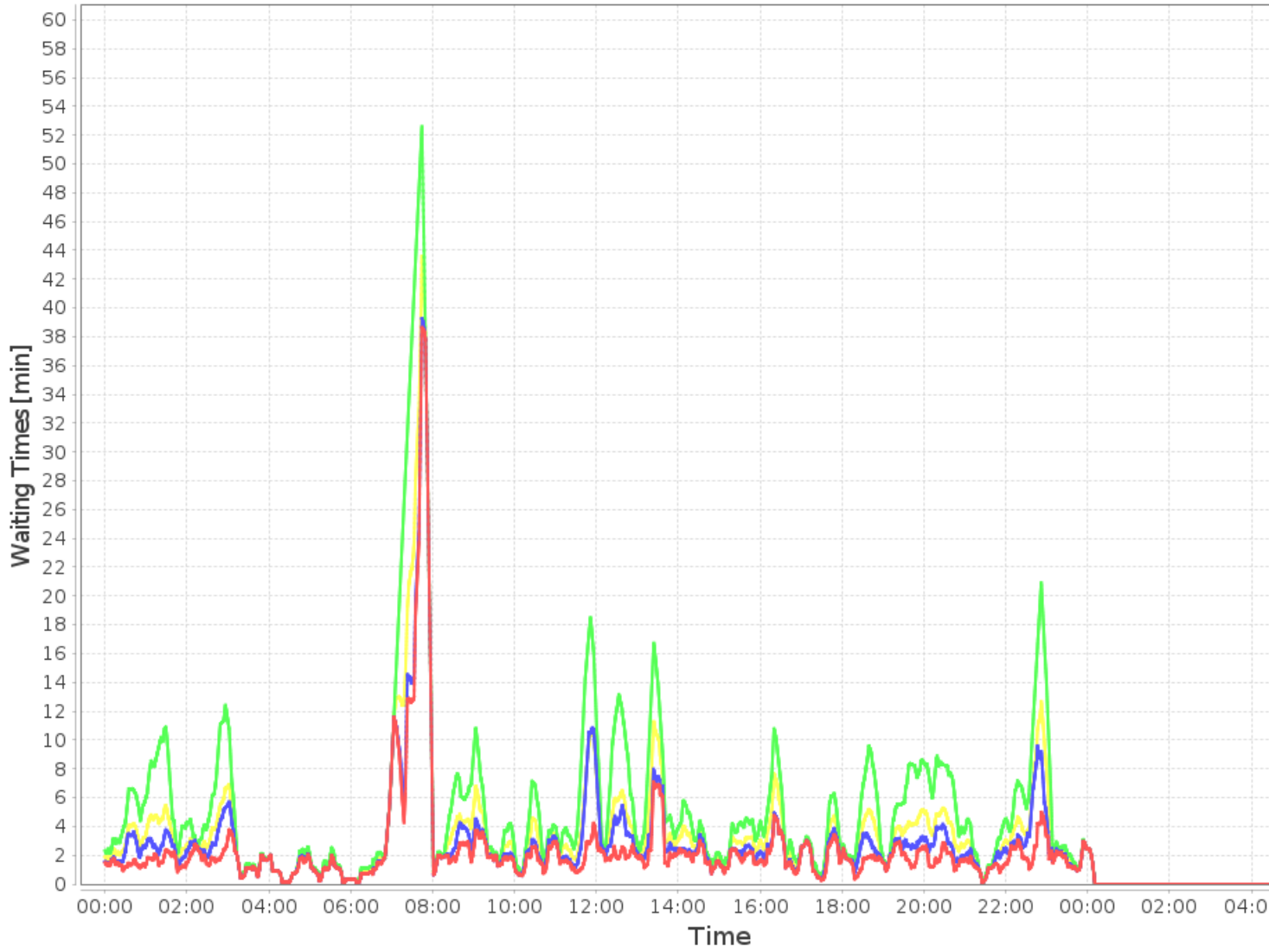
10.0% quantile: 00:01:49  
50.0% quantile: 00:04:28  
95.0% quantile: 00:13:36  
Mean: 00:05:31  
Maximum: 01:01:06

# Number of Requests per Wait Time

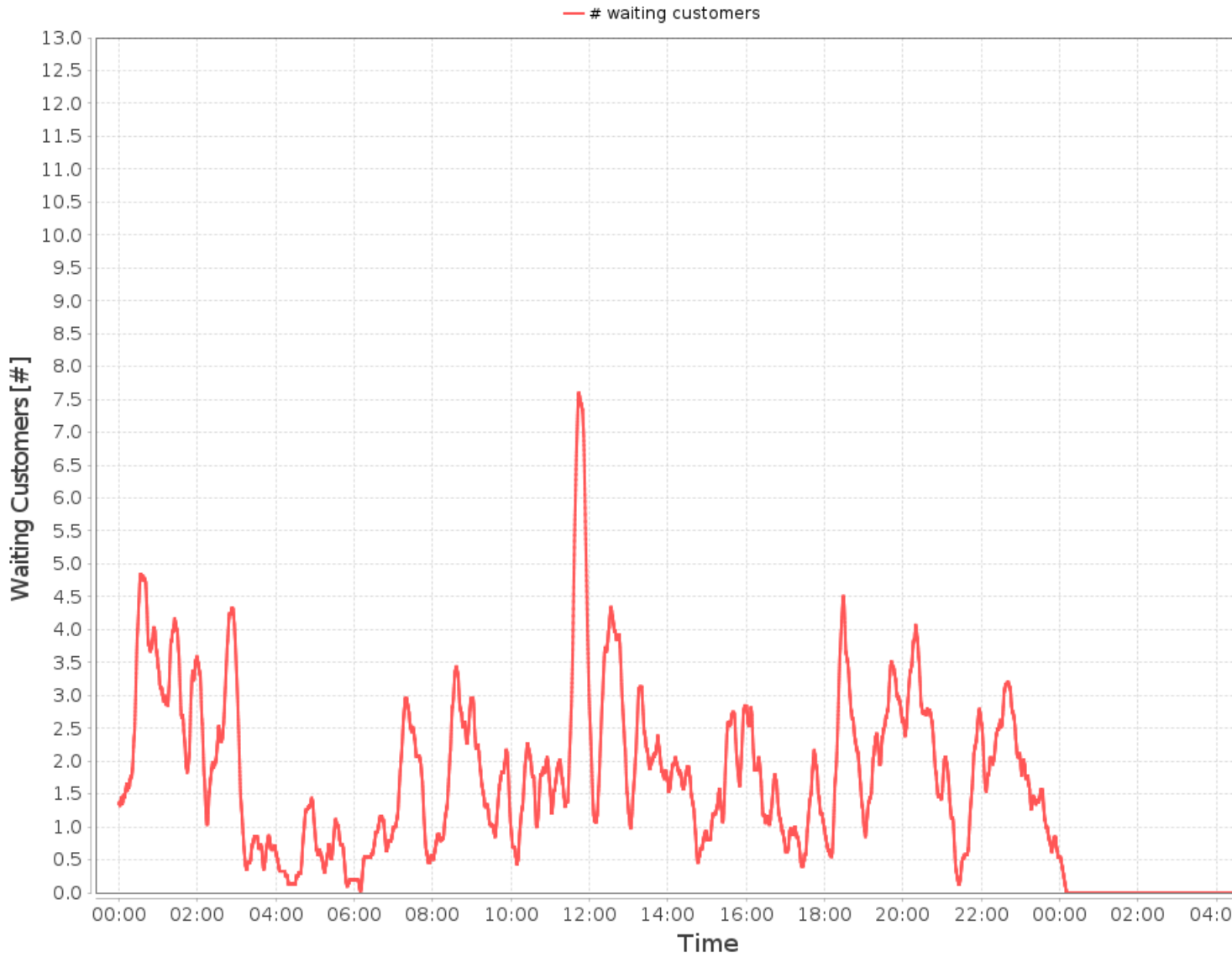


# Binned Waiting Times

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



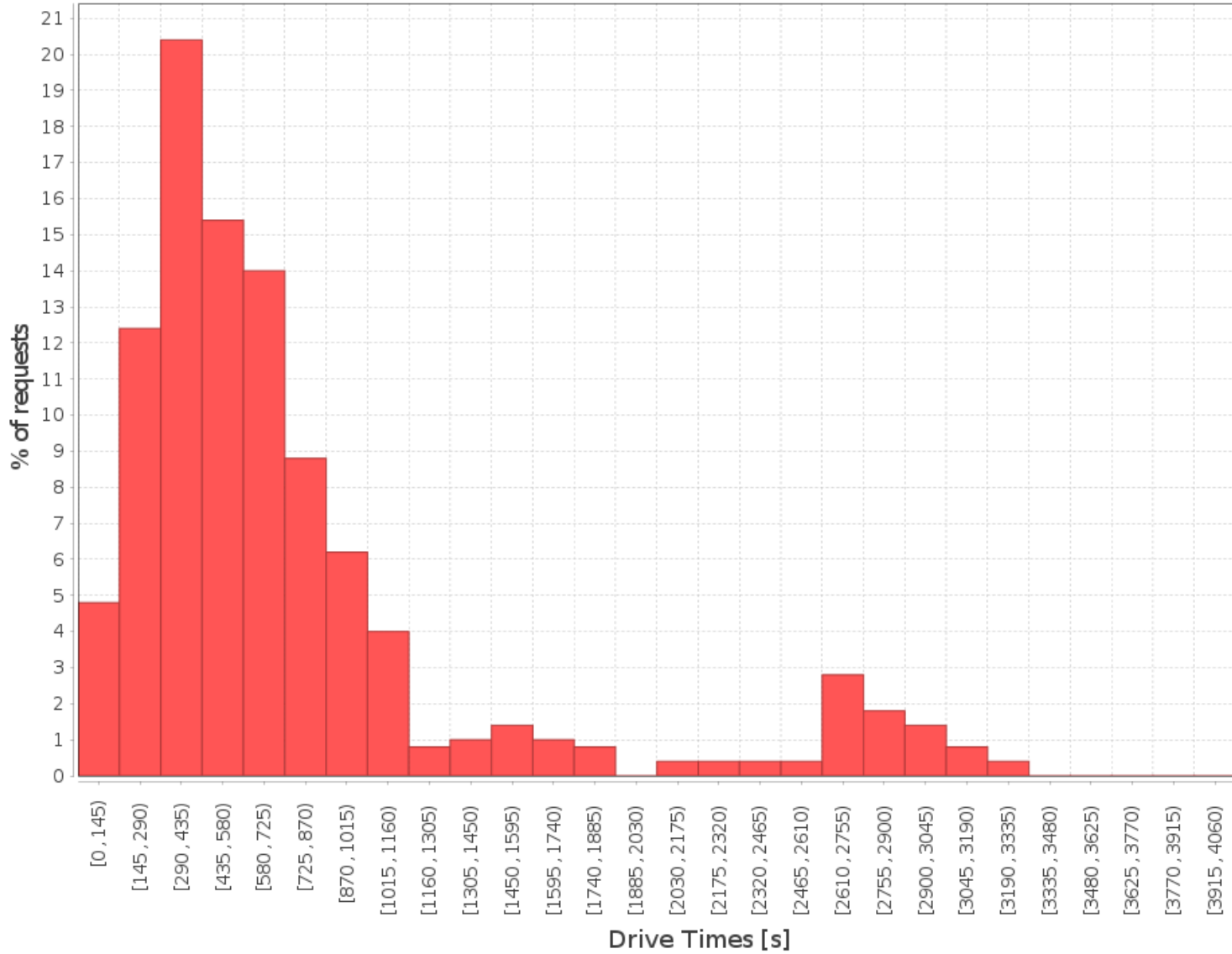
# Waiting Customers per Day Time



## 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

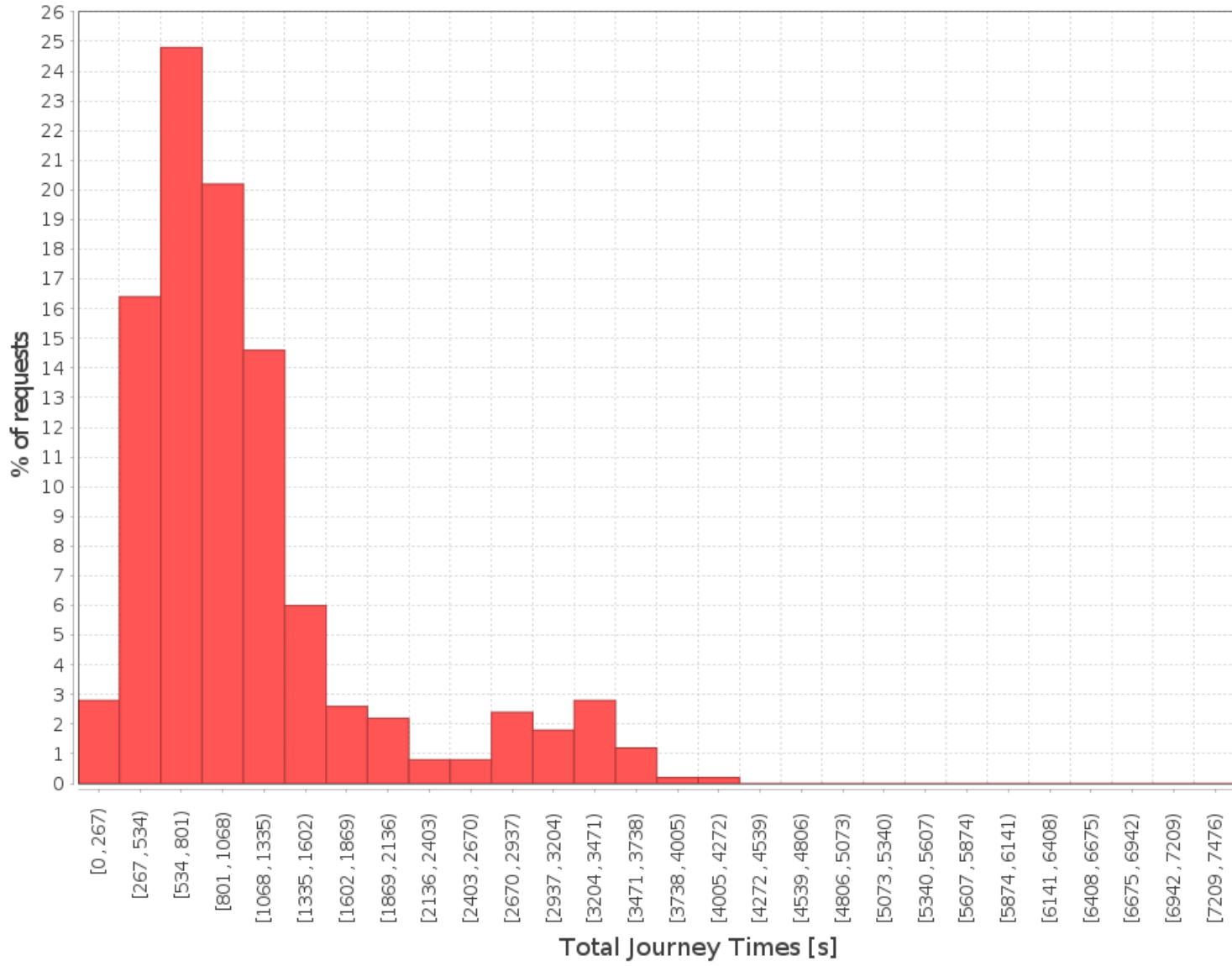
## Number of Requests per Drive Time



### Total Journey Times

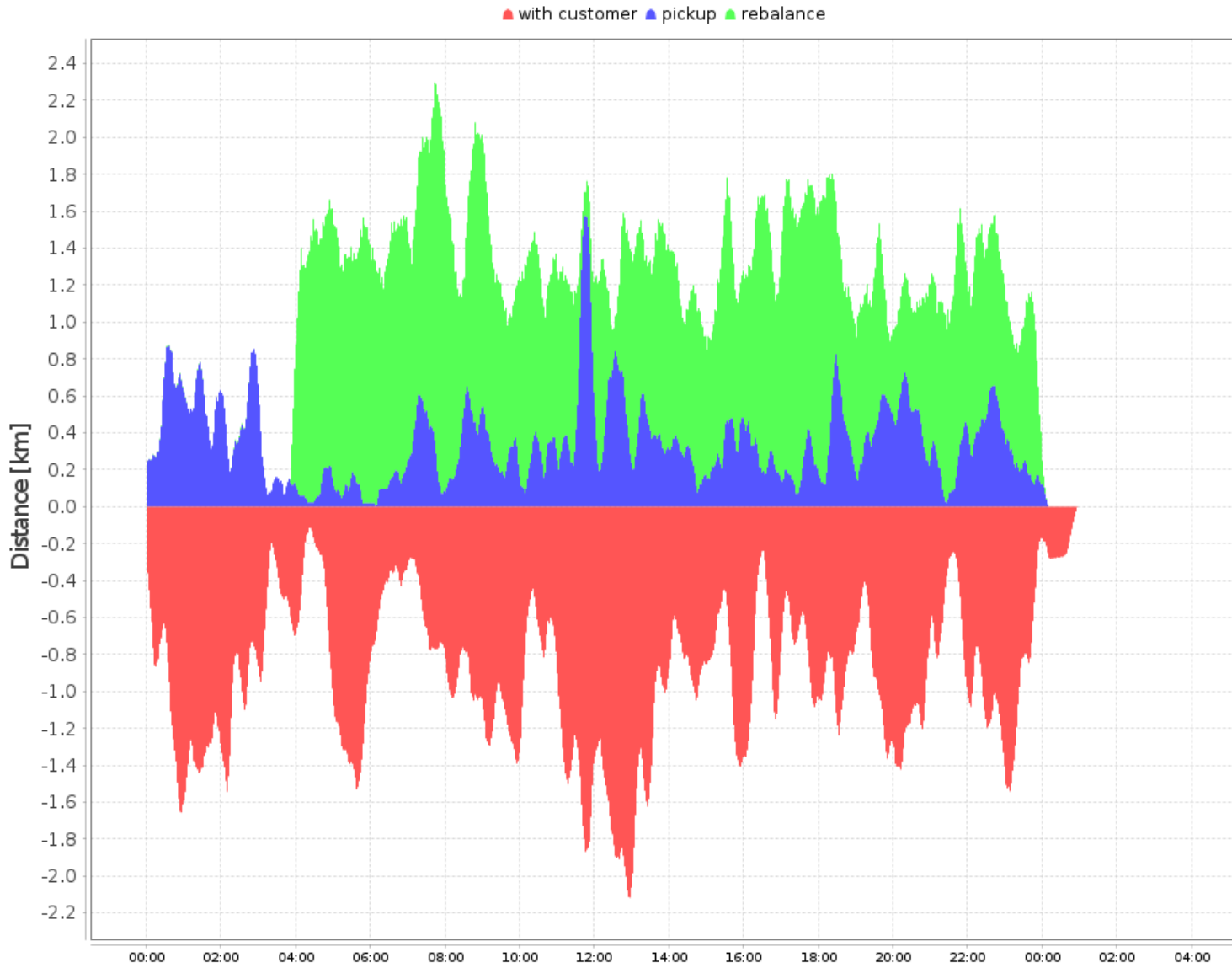
10.0% quantile	00:07:05
50.0% quantile	00:14:26
95.0% quantile	00:52:31
Mean	00:18:22
Maximum:	02:13:26

# Number of Requests per Total Journey Time



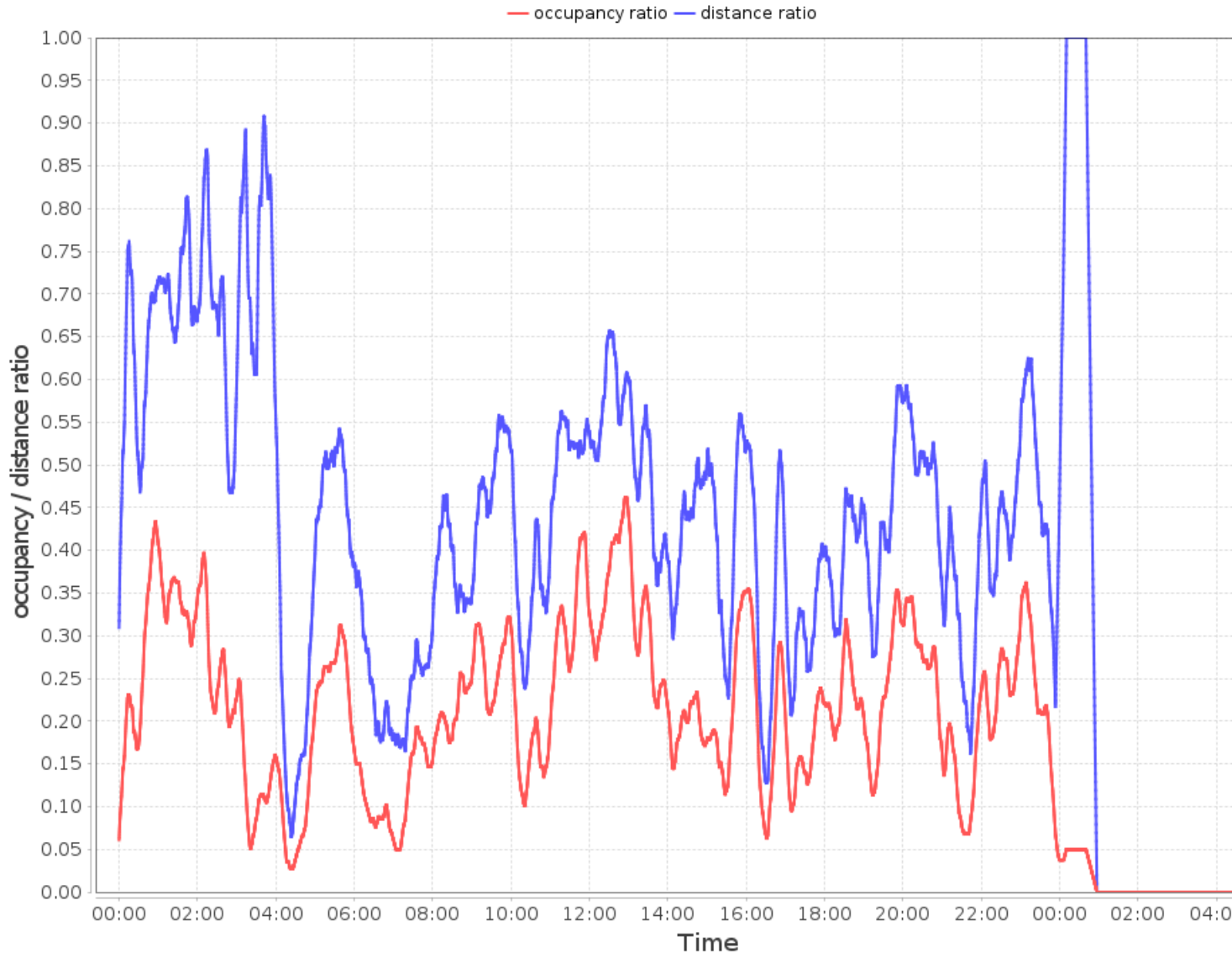
# Fleet Efficiency

## Distance Distribution over Day

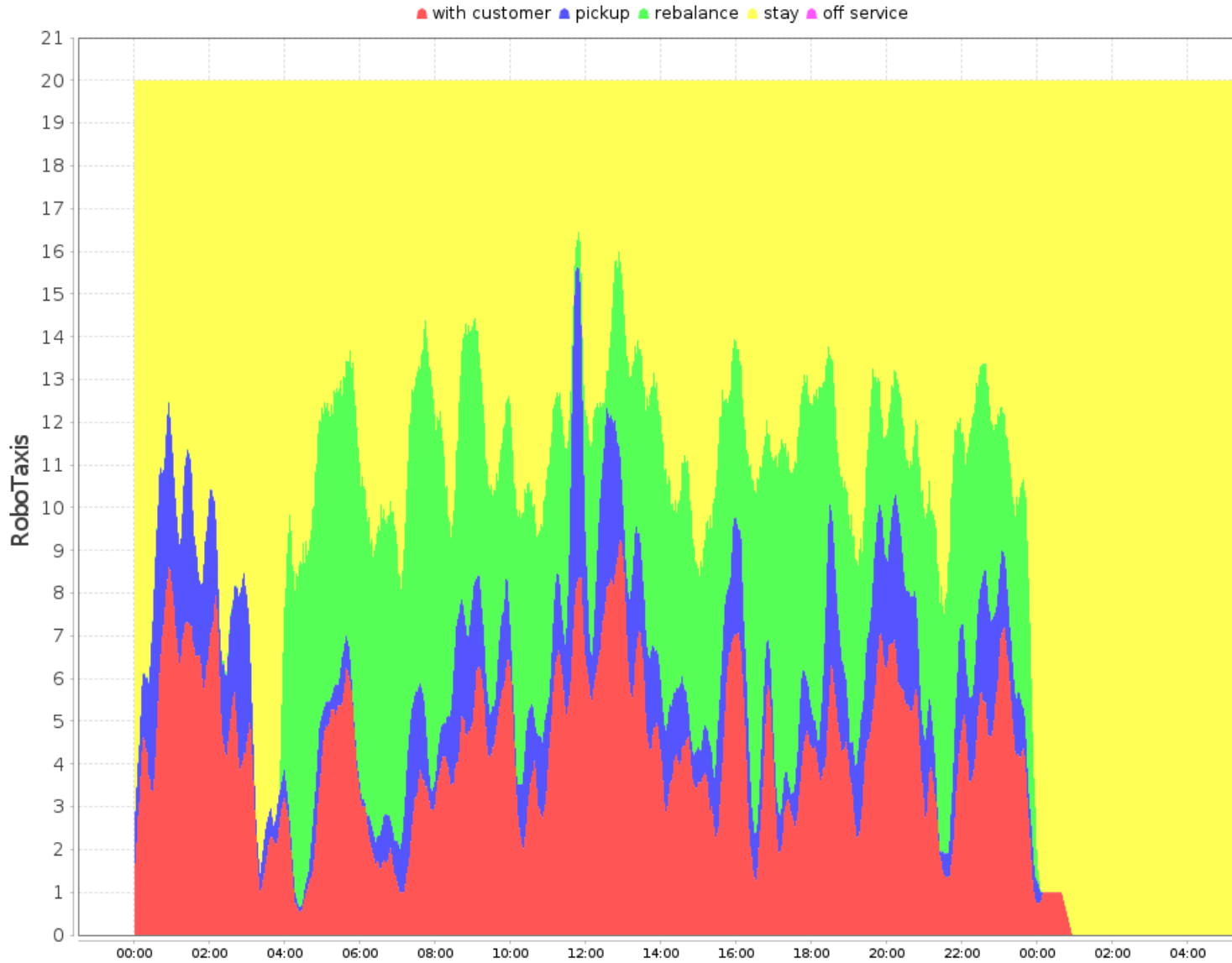




# Occupancy and Distance Ratios



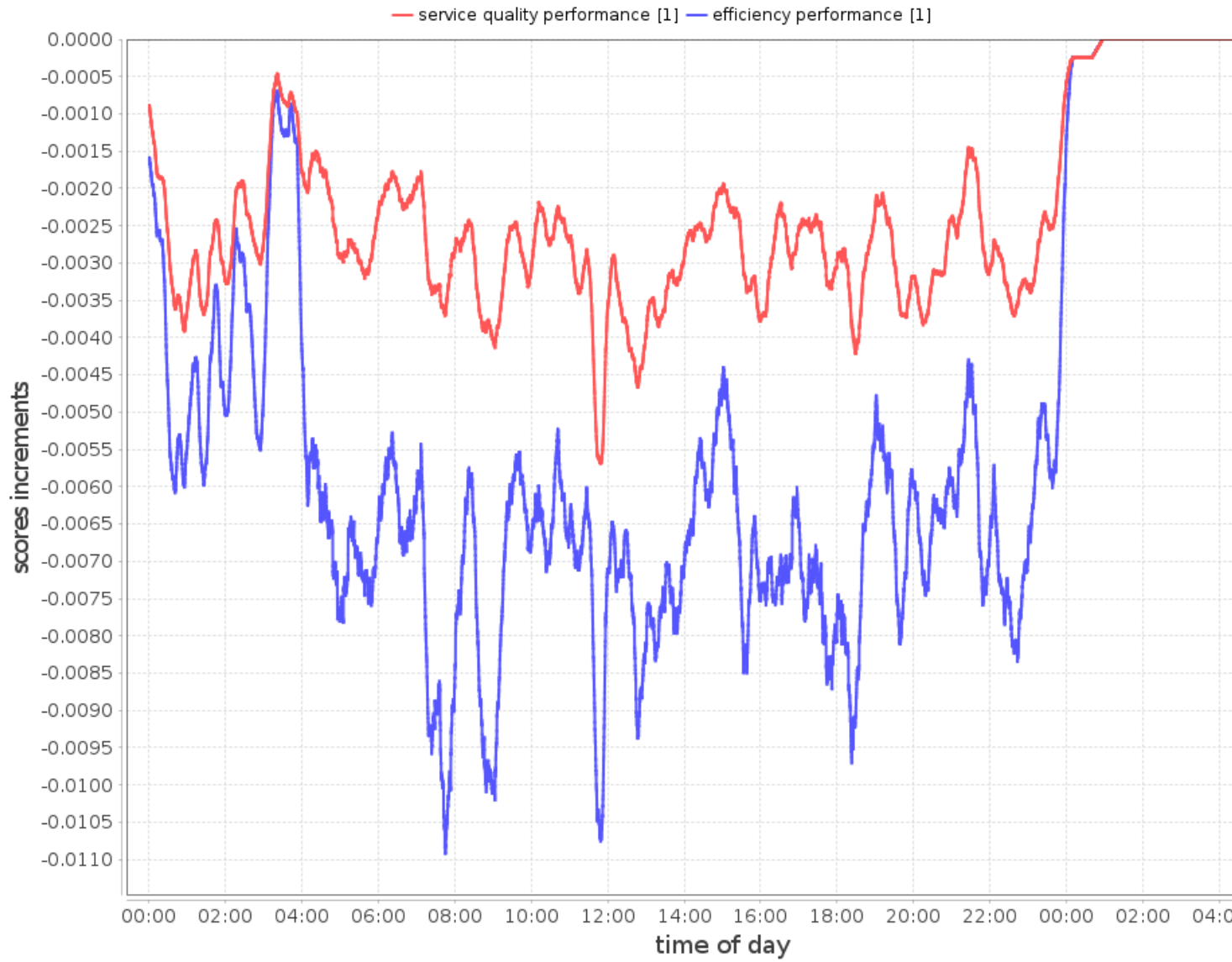
## Status Distribution



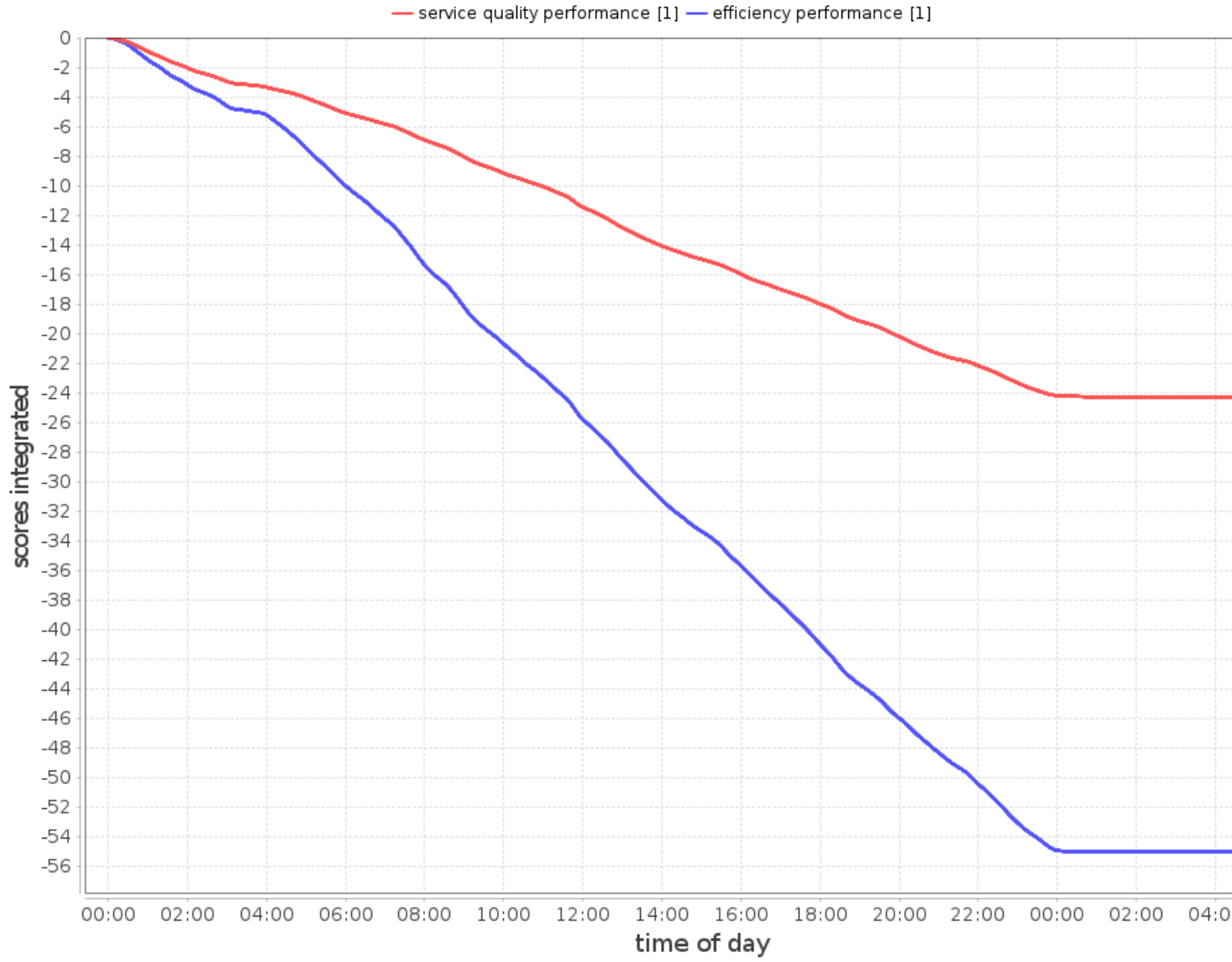
## Aido Scores

Scores during Simulation

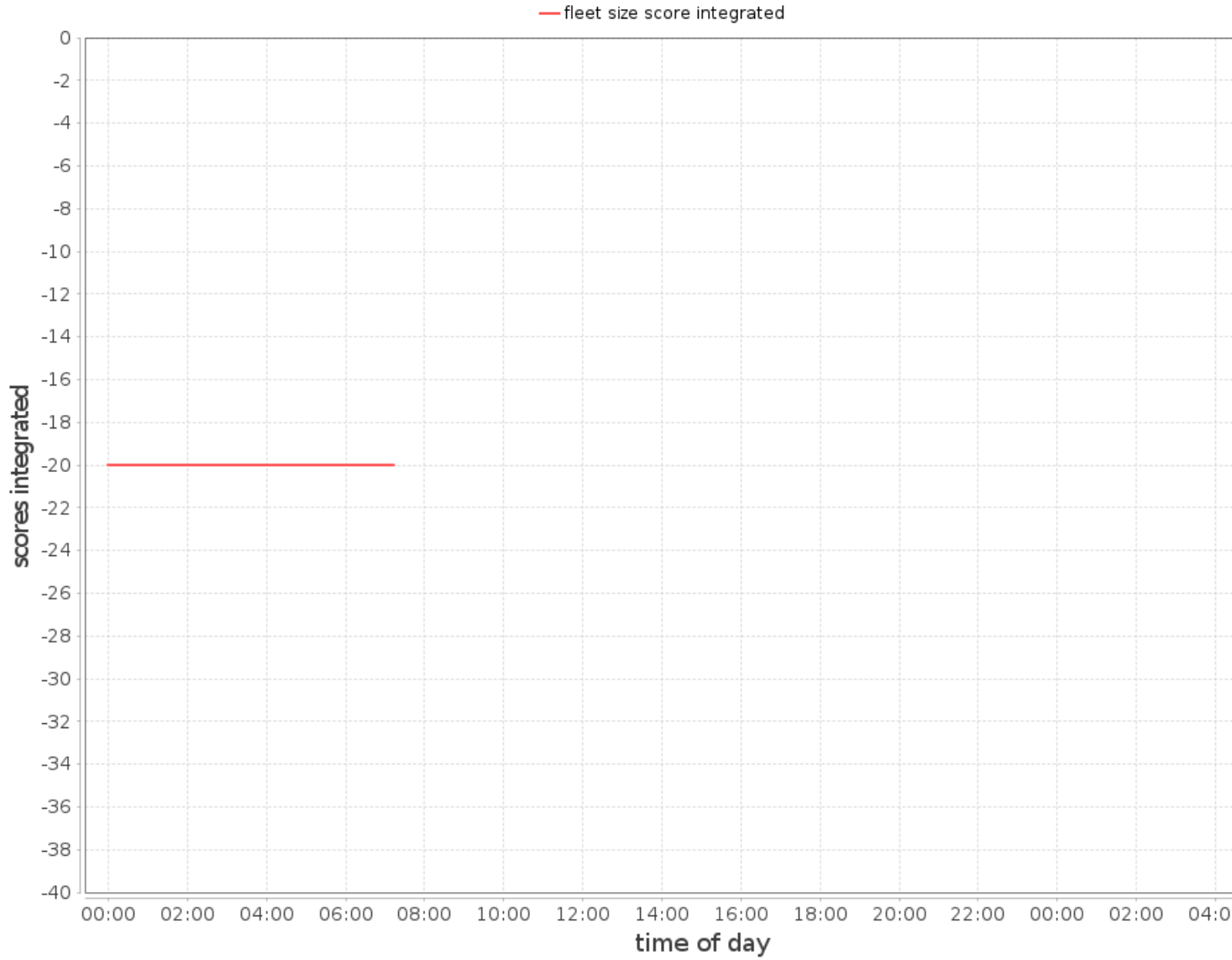
# Service Quality and Efficiency Score Increments



# Service Quality and Efficiency Score Integrated



# Fleet Size Score Integrated



## Final Scores

final service quality score: -24.28175207024661  
final efficiency score: -55.04200828098432  
final fleet size score: -Infinity

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