



# AMoDeus Simulation Report

## Simulation Information

User: root  
Timestamp: 2018/12/04 - 13:24:32  
  
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

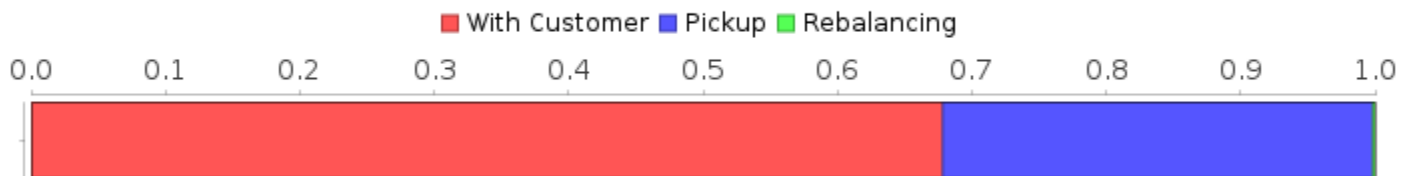
Distance Ratio: 67.85%  
Occupancy Ratio: 16.51 %

## Distances

Total: 11237.15 km  
Rebalancing: 15.24 km (0.14%)  
Pickup: 3597.23 km (32.01%)  
With Customer: 7624.69 km (67.85%)

Average Trip Distance: 15.25 km

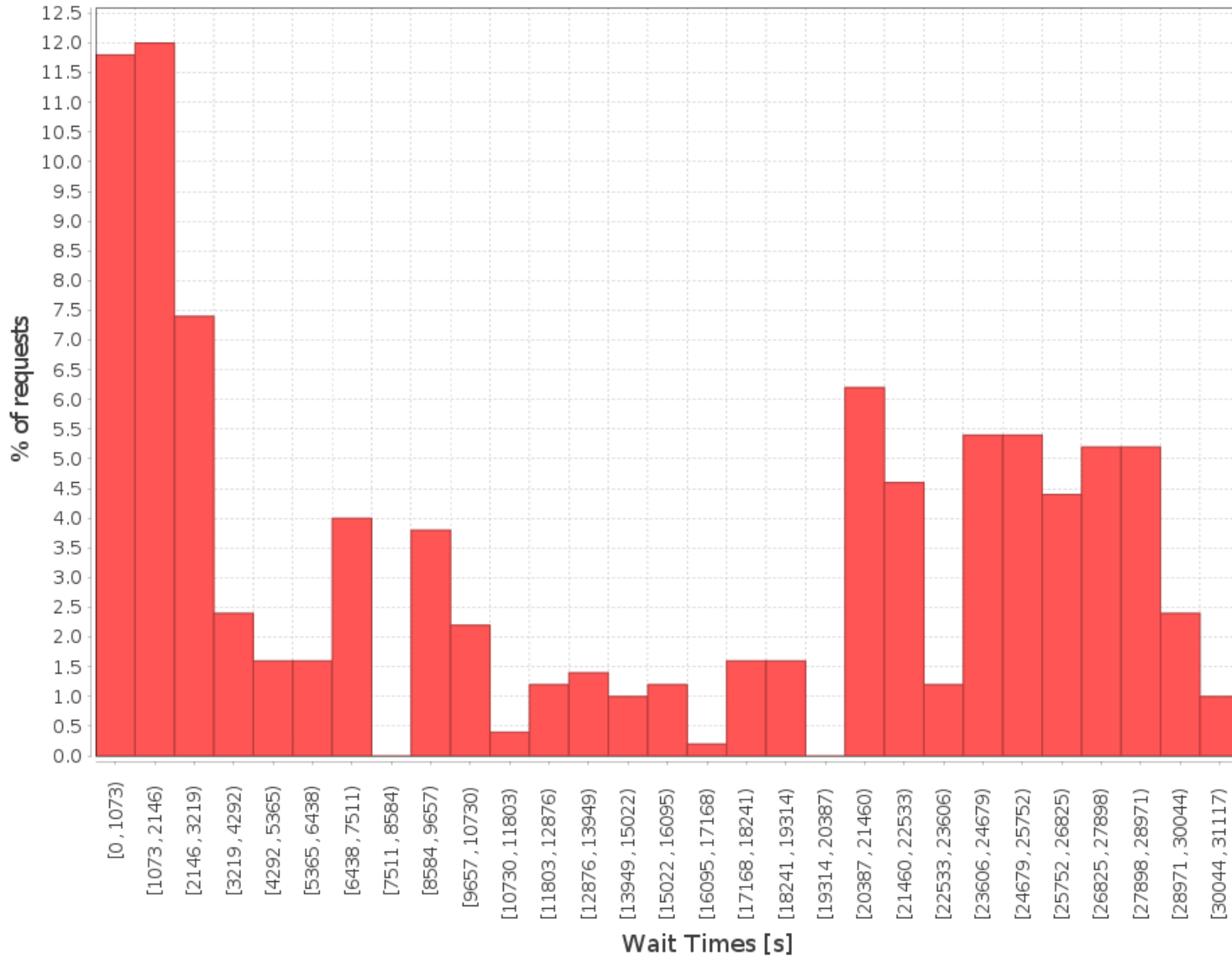
## Total Distance Distribution



## Wait Times

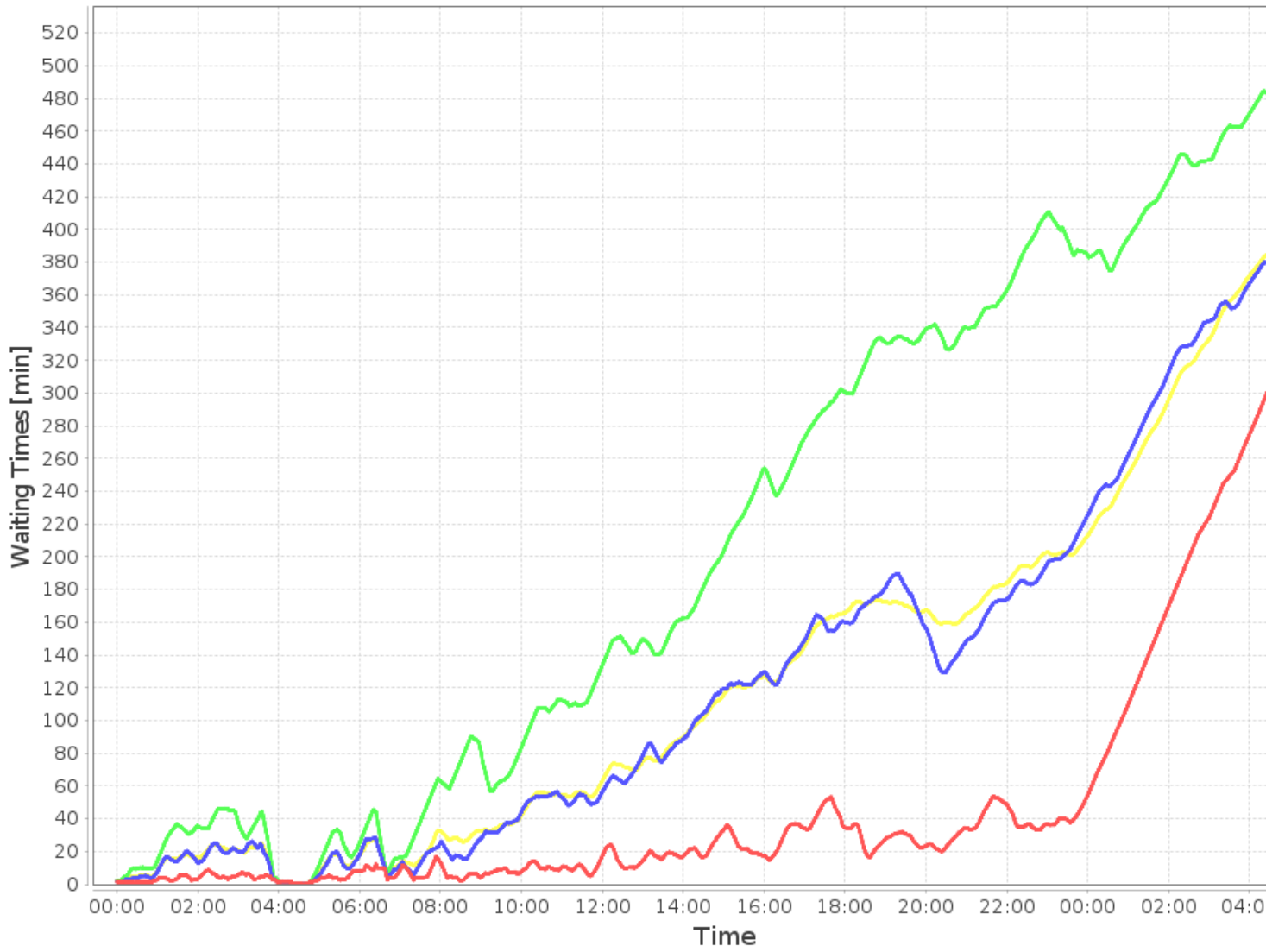
10.0% quantile: 00:13:55  
50.0% quantile: 03:54:28  
95.0% quantile: 08:12:53  
Mean: 03:59:40  
Maximum: 08:56:32

# Number of Requests per Wait Time

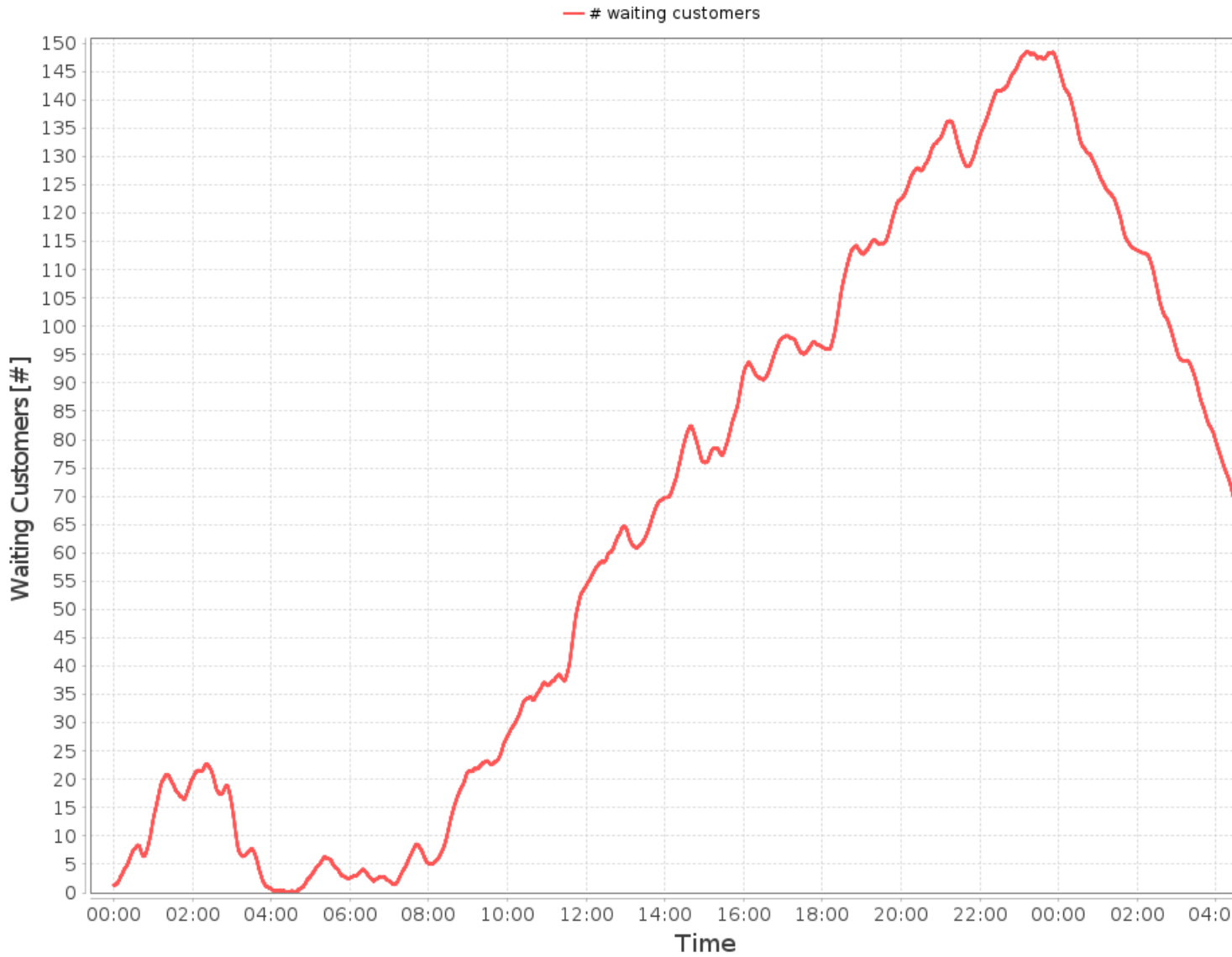


# Binned Waiting Times

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



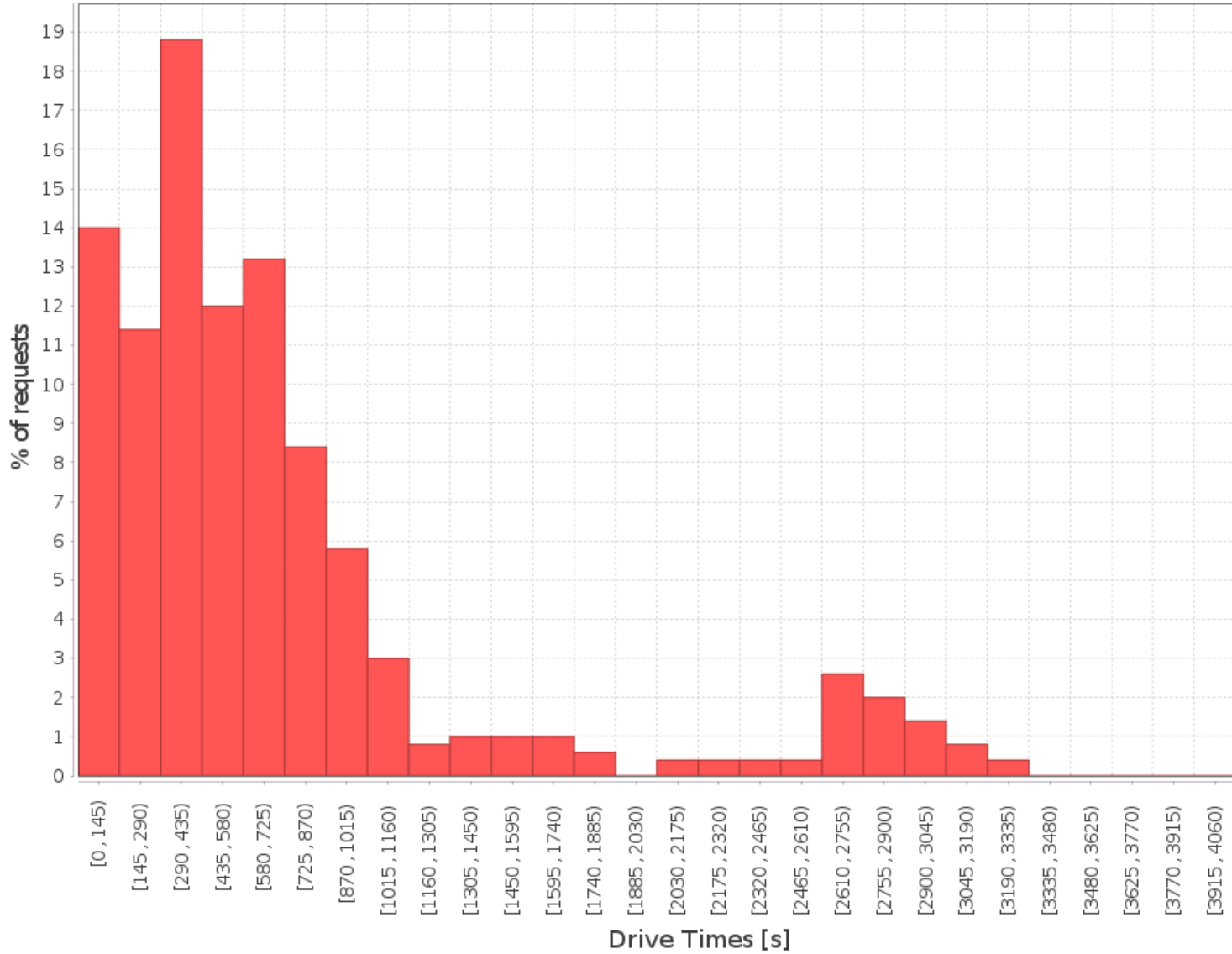
# Waiting Customers per Day Time



## Drive Times

10.0% quantile	00:00:00
50.0% quantile	00:08:30
95.0% quantile	00:45:30
Mean	00:11:52
Maximum:	01:12:20

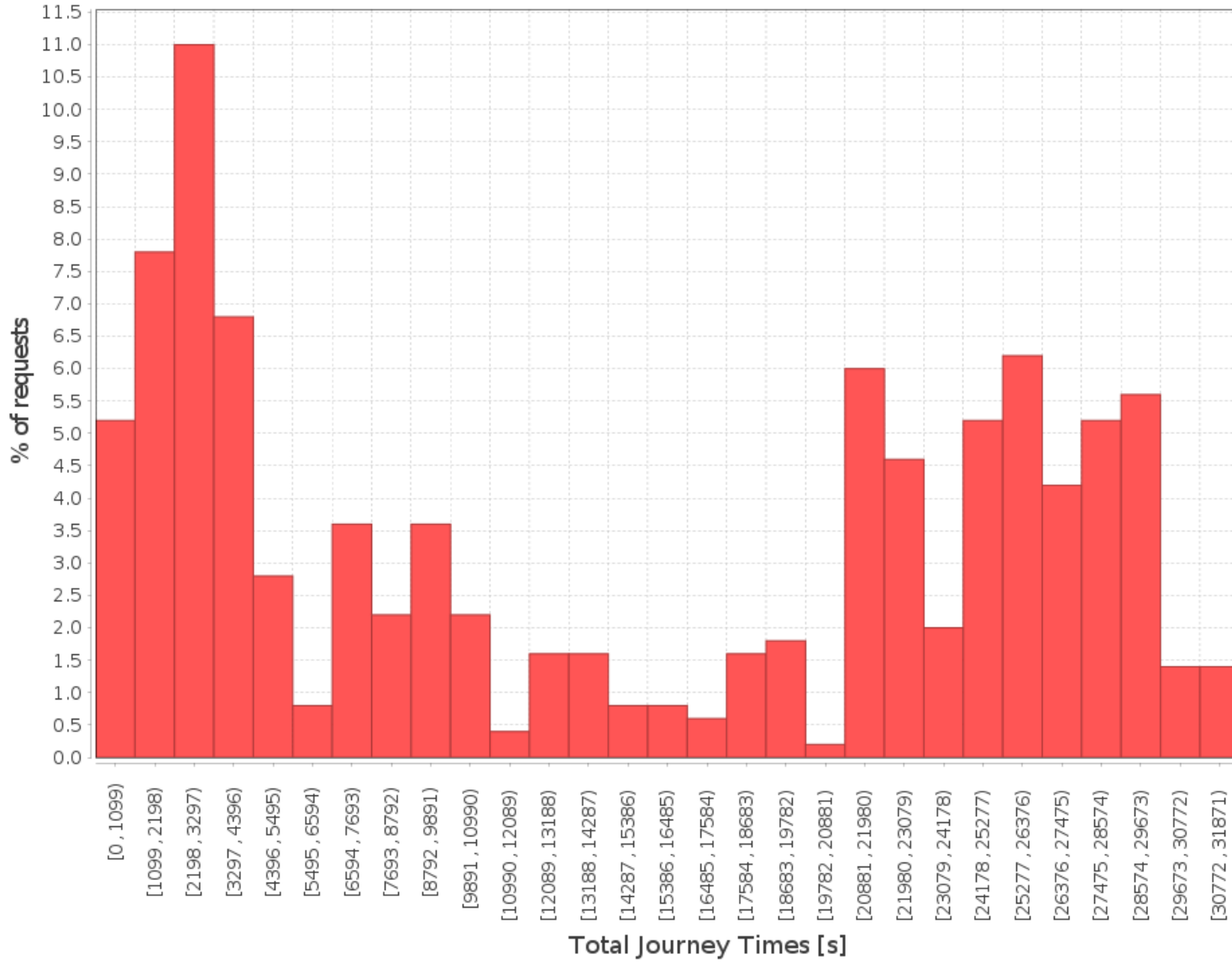
## Number of Requests per Drive Time



### Total Journey Times

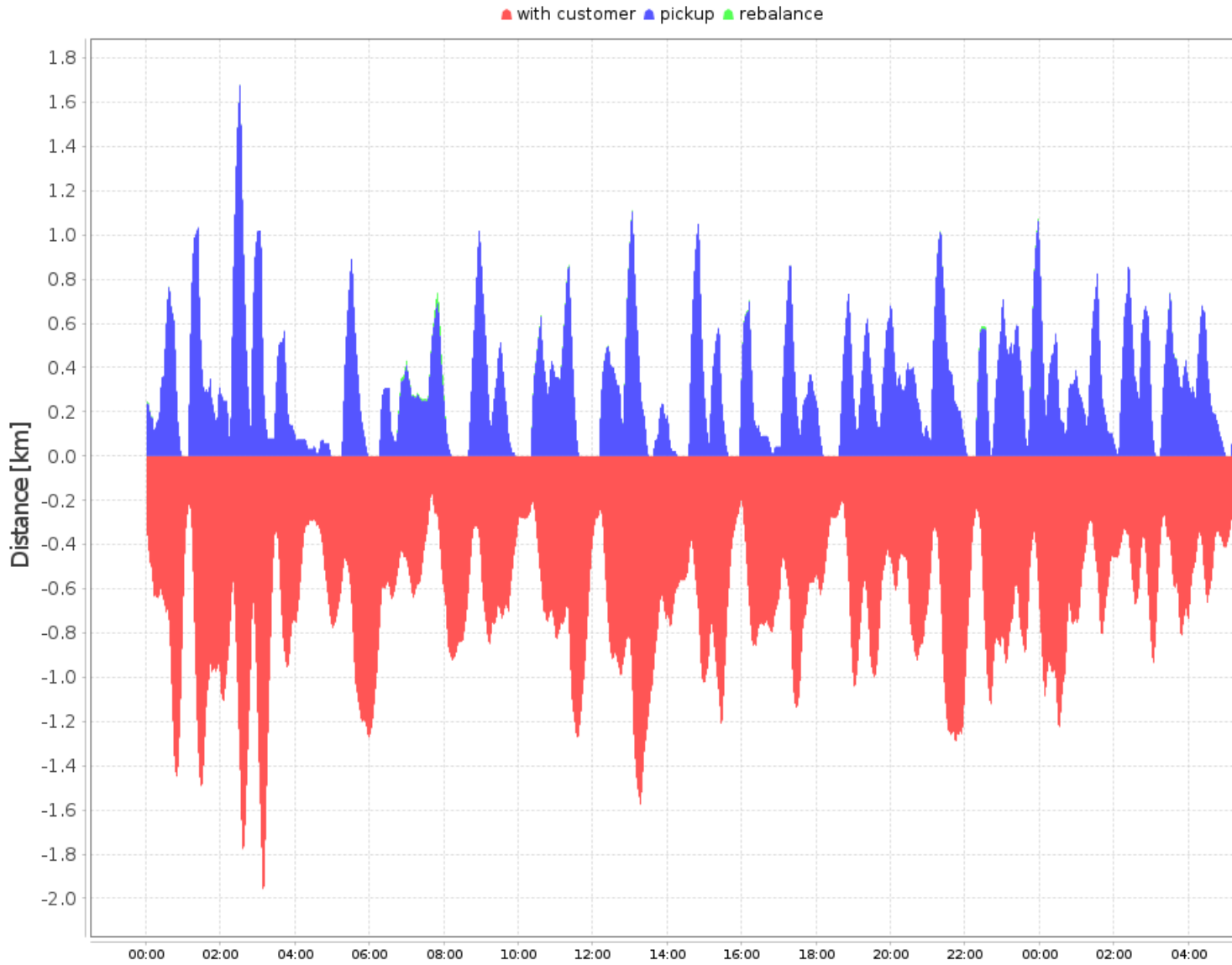
10.0% quantile	00:29:45
50.0% quantile	04:07:34
95.0% quantile	08:24:27
Mean	04:11:33
Maximum:	09:09:32

# Number of Requests per Total Journey Time



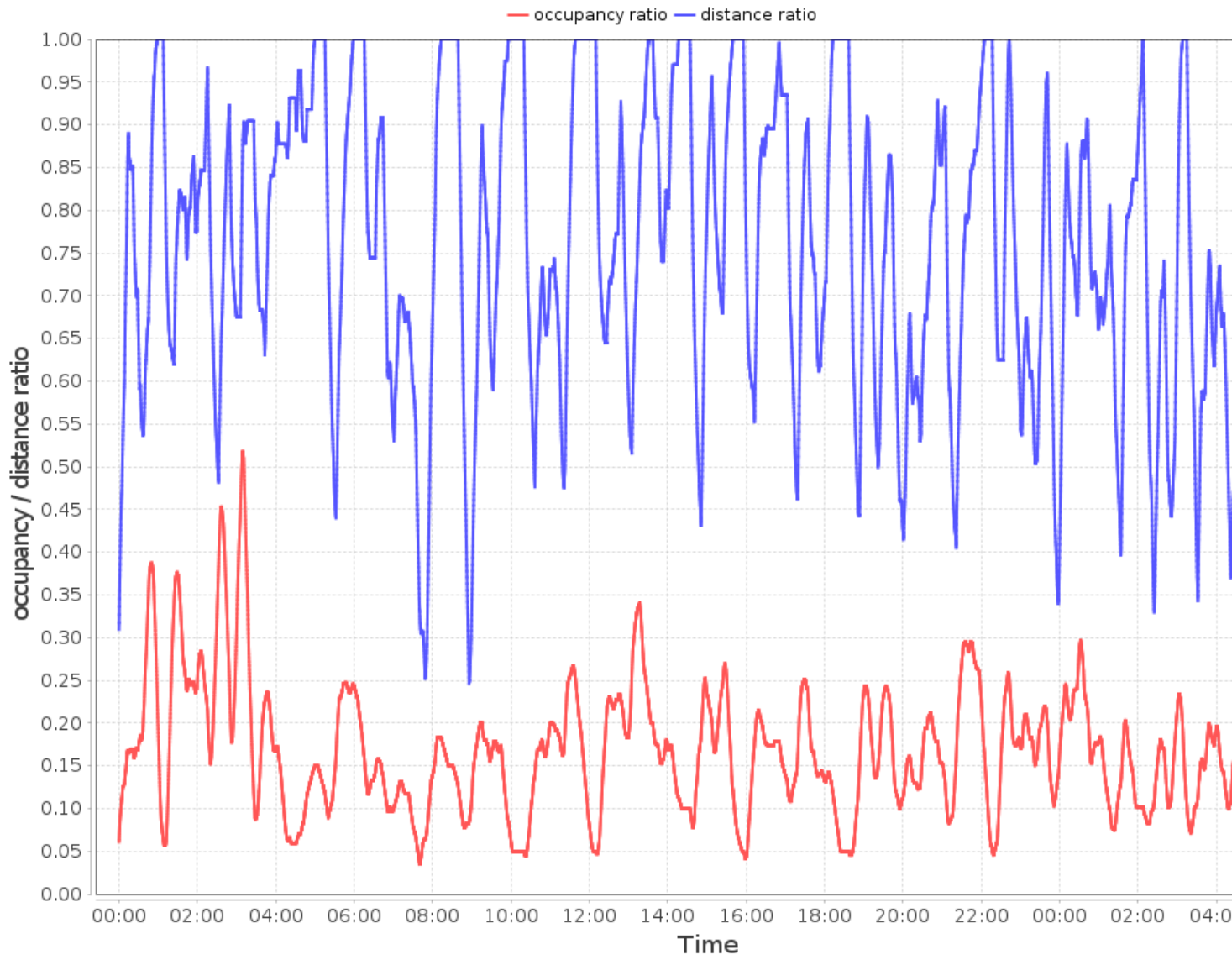
# Fleet Efficiency

## Distance Distribution over Day

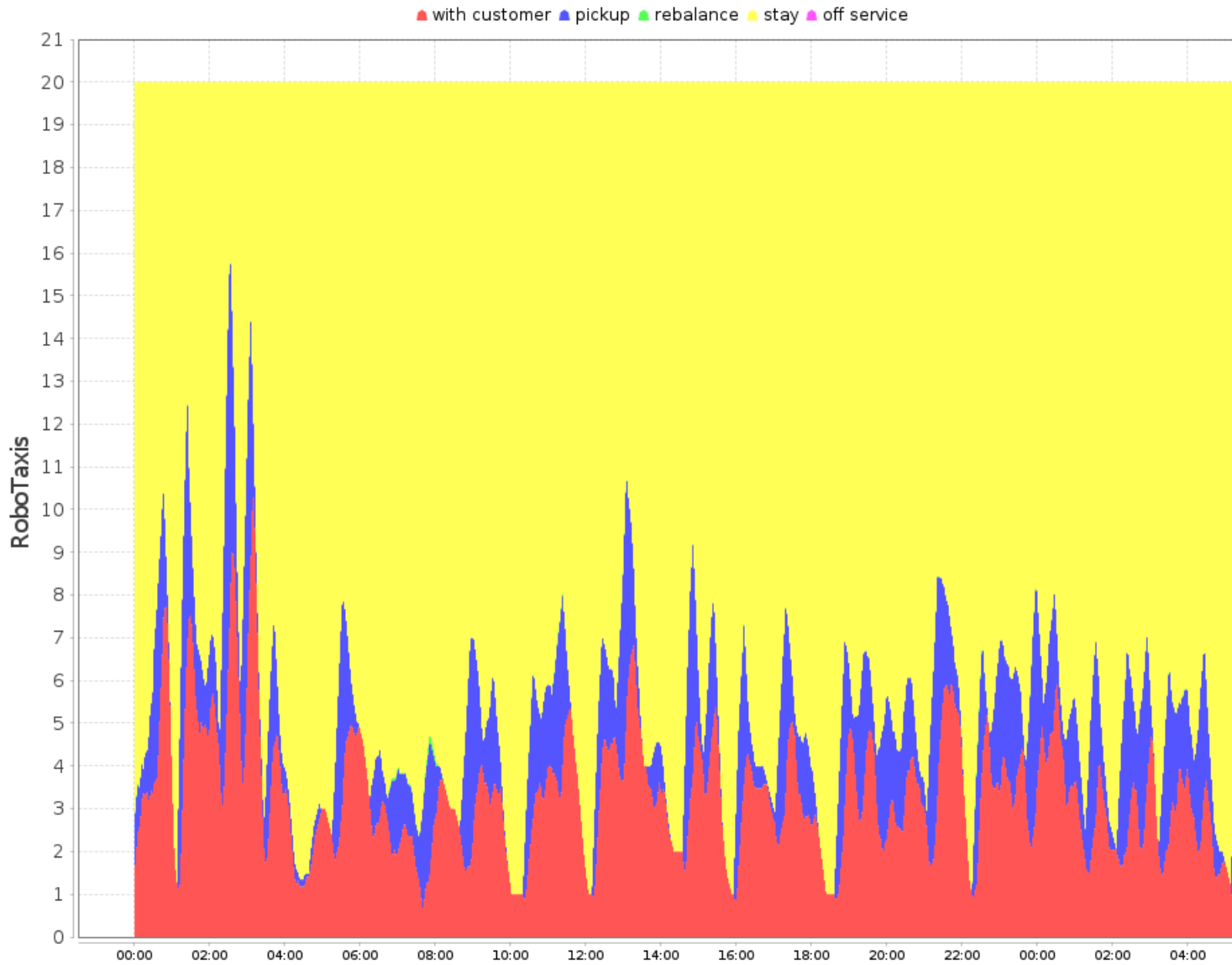




# Occupancy and Distance Ratios



## Status Distribution



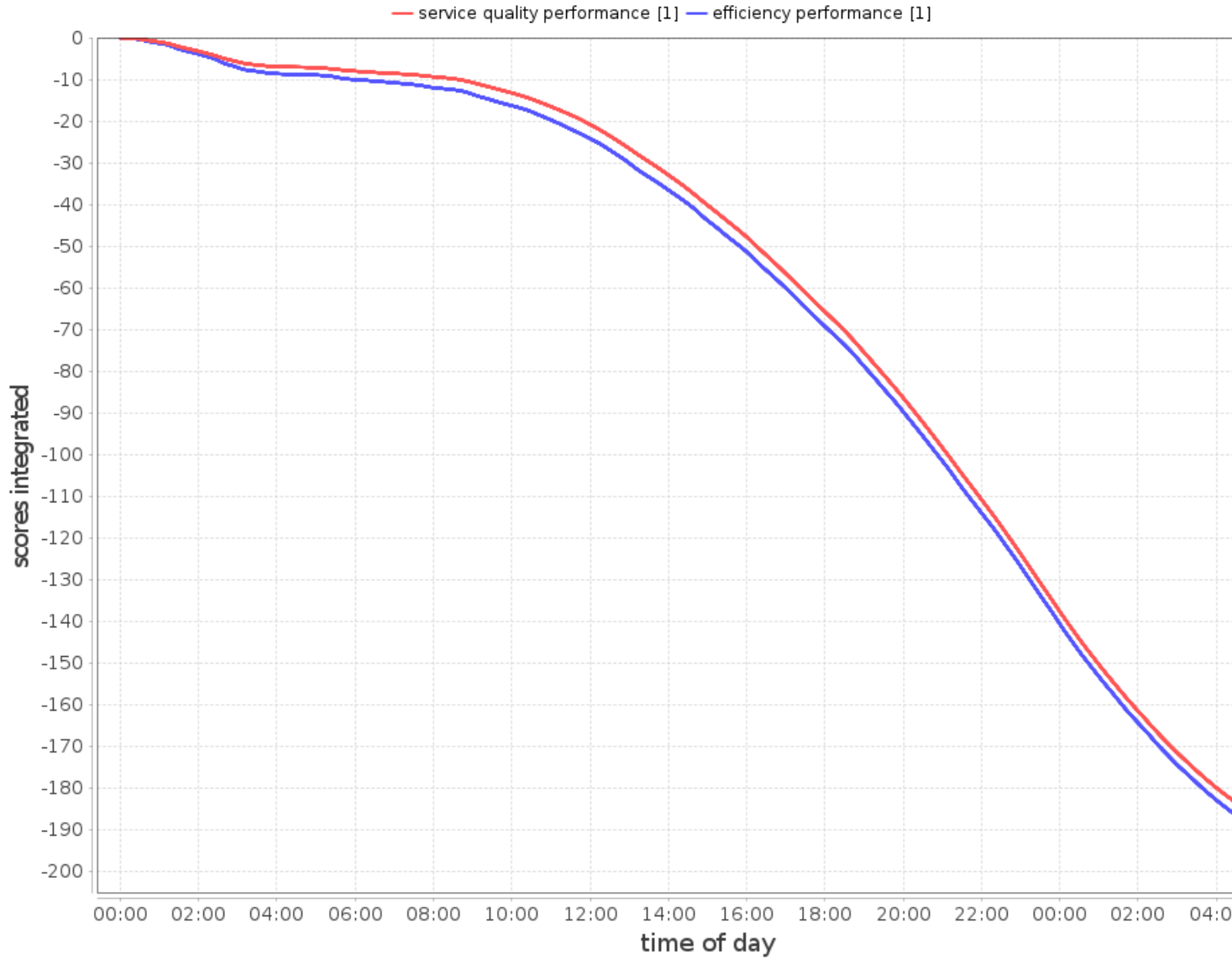
## Aido Scores

Scores during Simulation

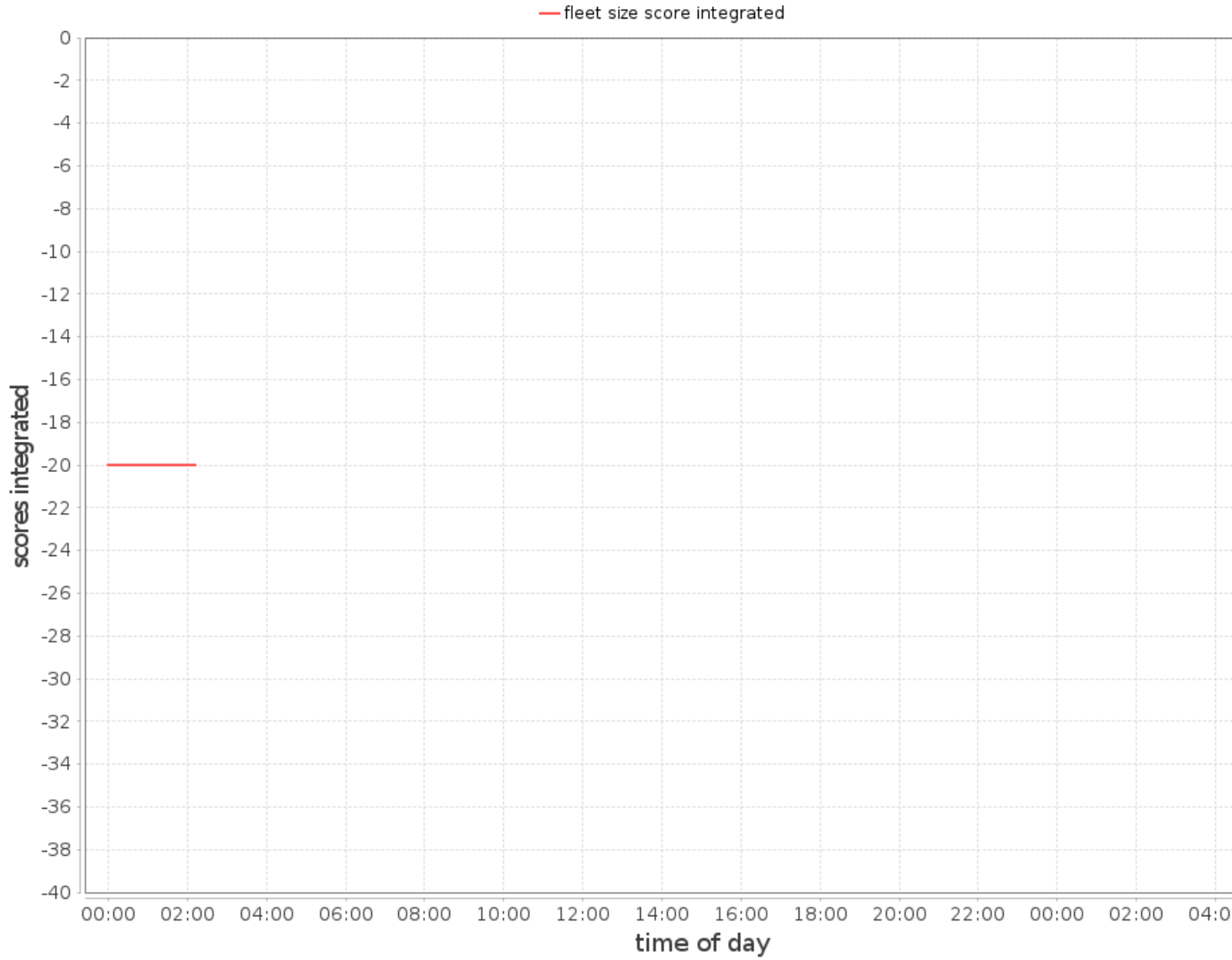
# Service Quality and Efficiency Score Increments



# Service Quality and Efficiency Score Integrated



# Fleet Size Score Integrated



## Final Scores

final service quality score: -192.33342653543  
final efficiency score: -195.61654614171496  
final fleet size score: -Infinity

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