



# AMoDeus Simulation Report

## Simulation Information

User: root  
Timestamp: 2019/04/24 - 13:51:10  
  
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

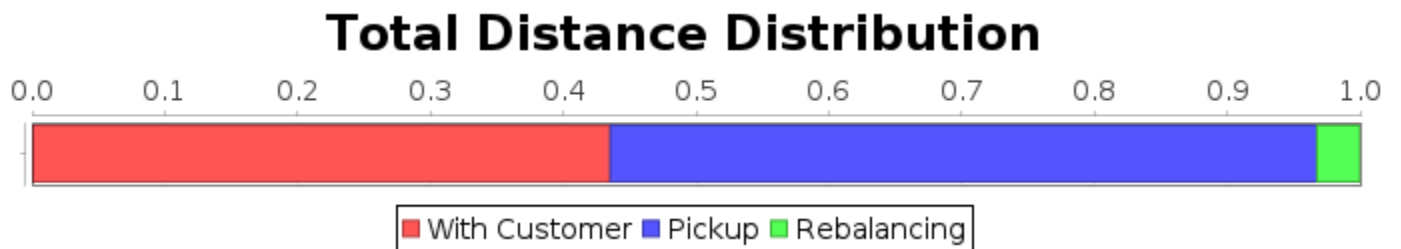
# Aggregated Results

Distance Ratio: 43.55%  
Occupancy Ratio: 17.86 %

## Distances

Total: 18814.42 km  
Rebalancing: 609.43 km (3.24%)  
Pickup: 10010.77 km (53.21%)  
With Customer: 8194.22 km (43.55%)

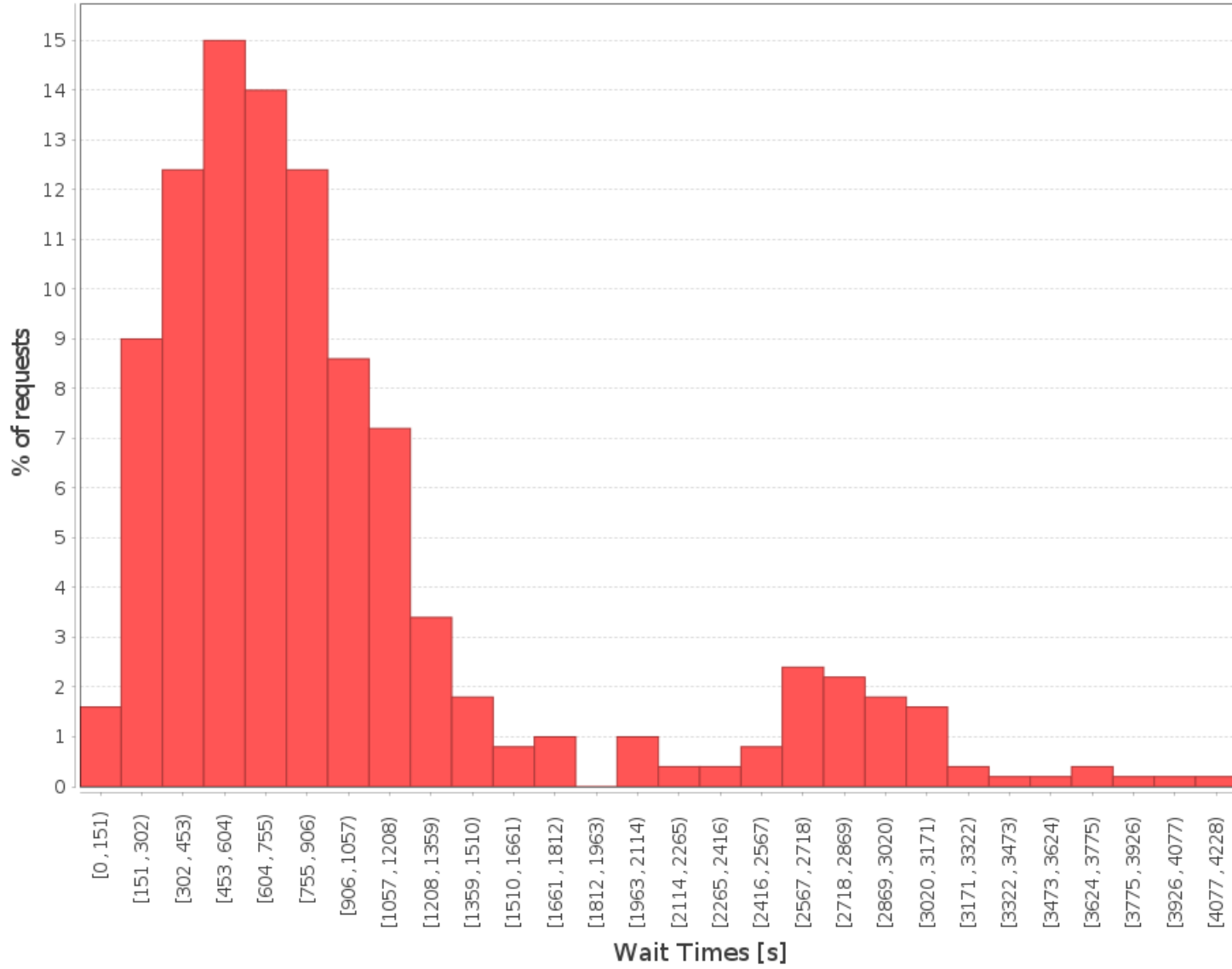
Average Trip Distance: 16.39 km



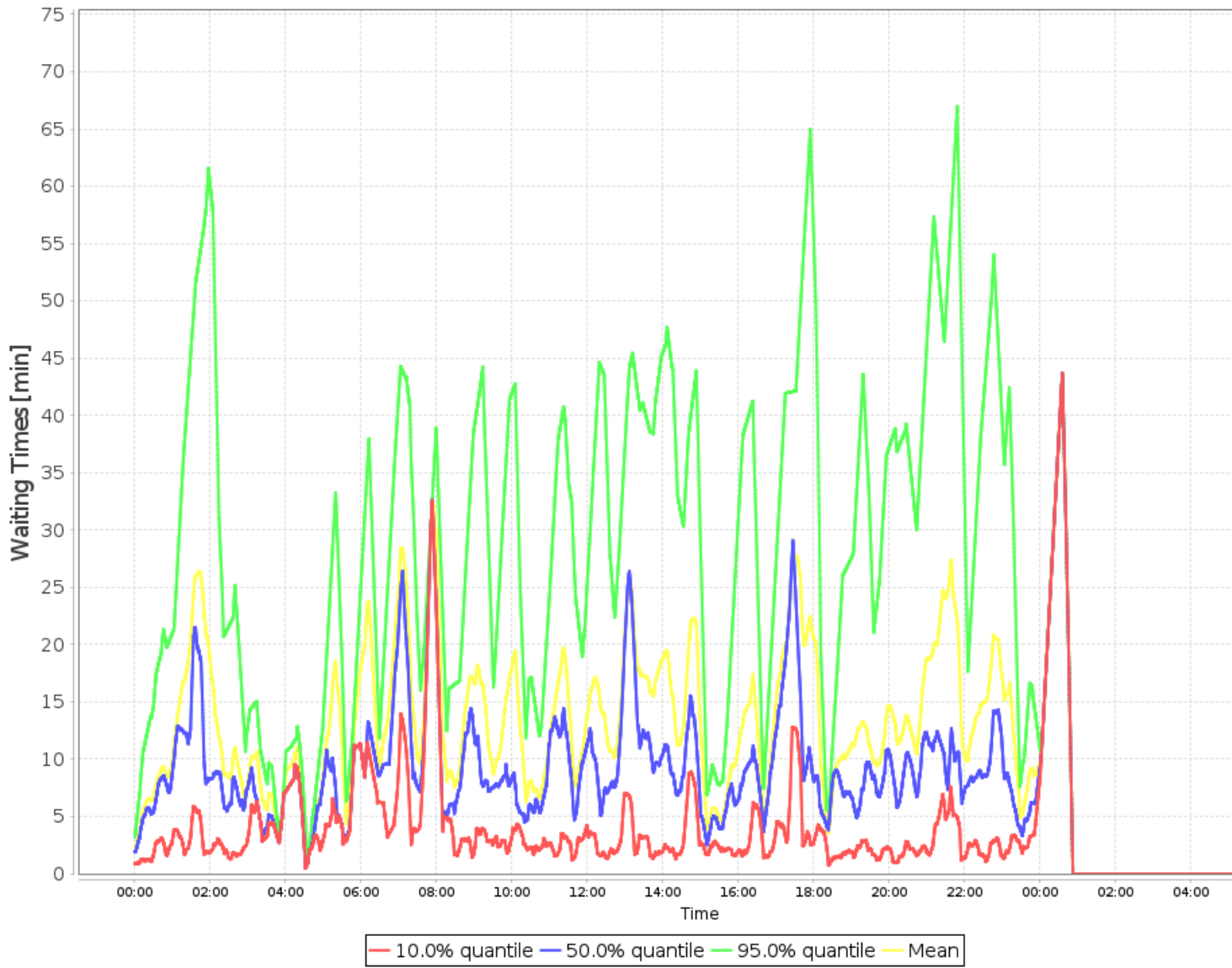
## Wait Times

10.0% quantile 00:04:55  
50.0% quantile 00:12:18  
95.0% quantile 00:49:05  
Mean 00:16:22  
Maximum: 01:15:28

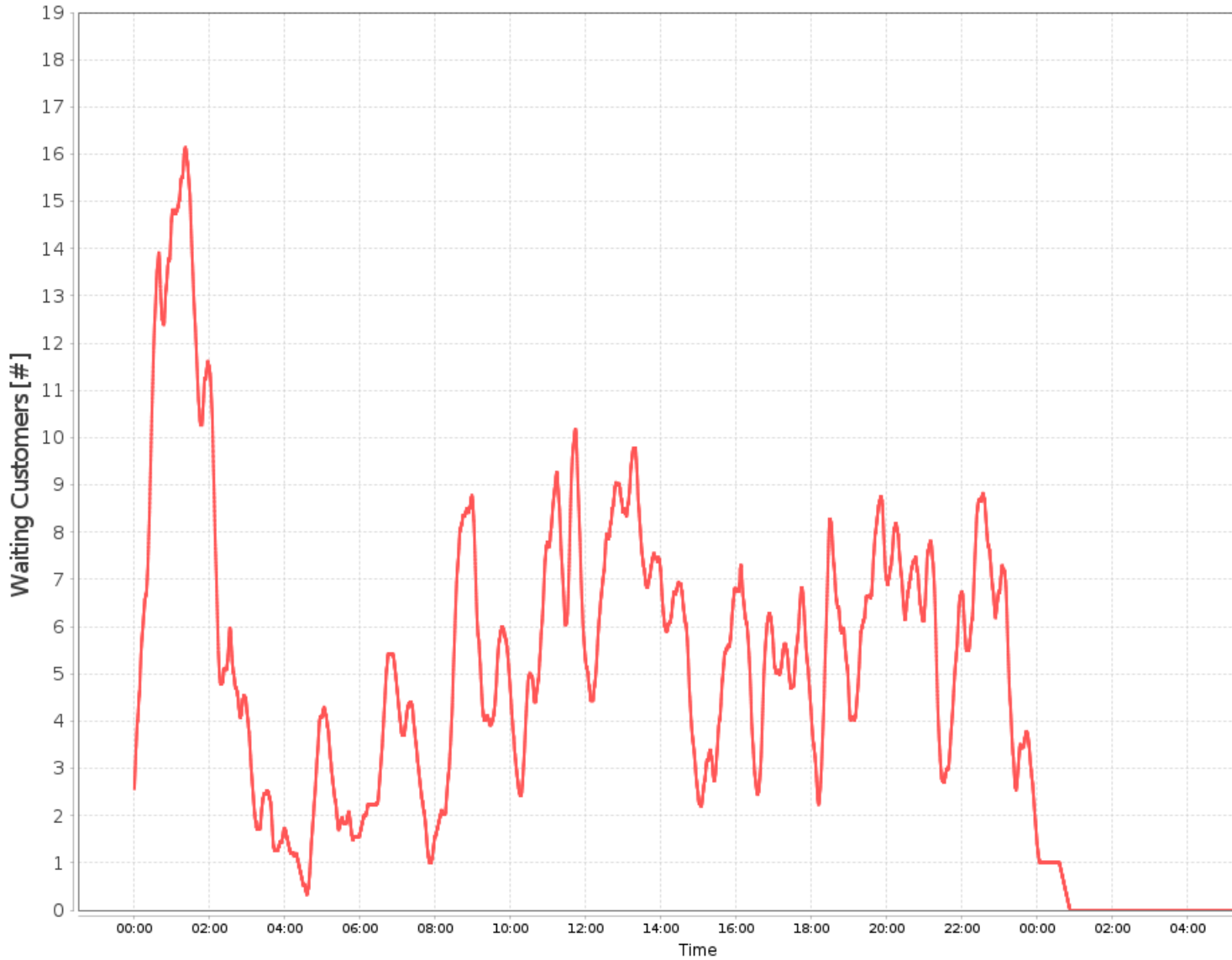
# Number of Requests per Wait Time



# Binned Waiting Times



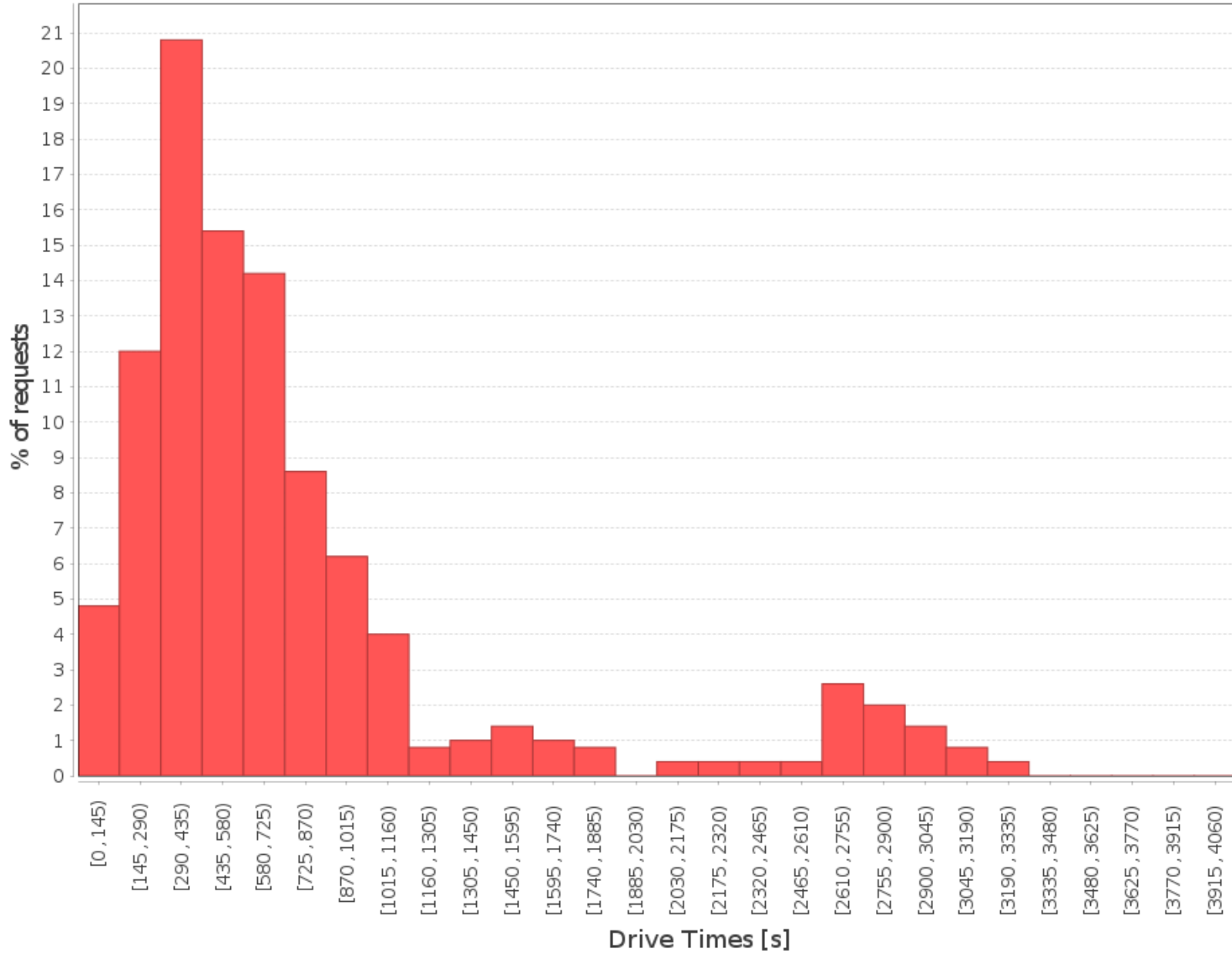
## Waiting Customers per Day Time



### 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

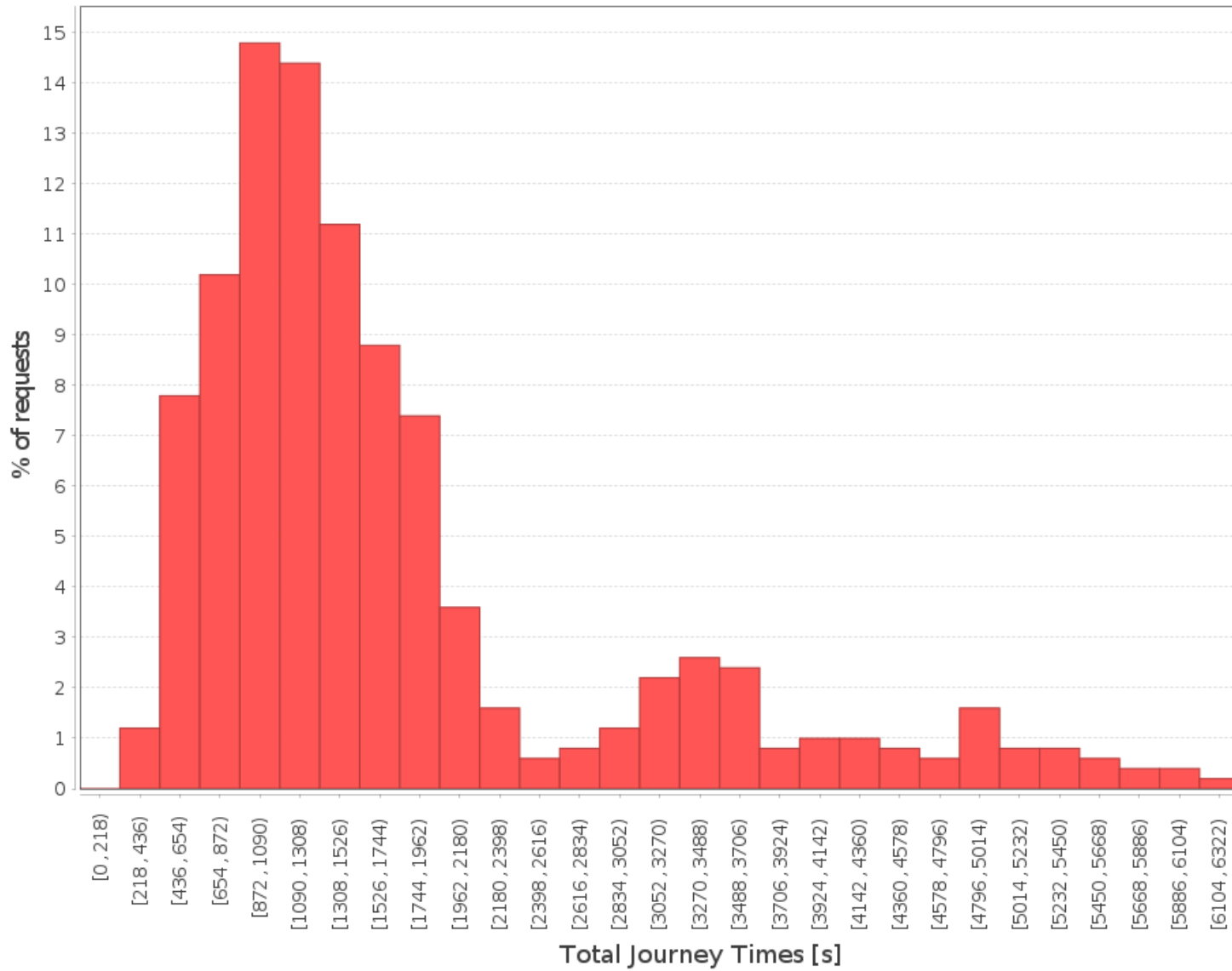
## Number of Requests per Drive Time



### Total Journey Times

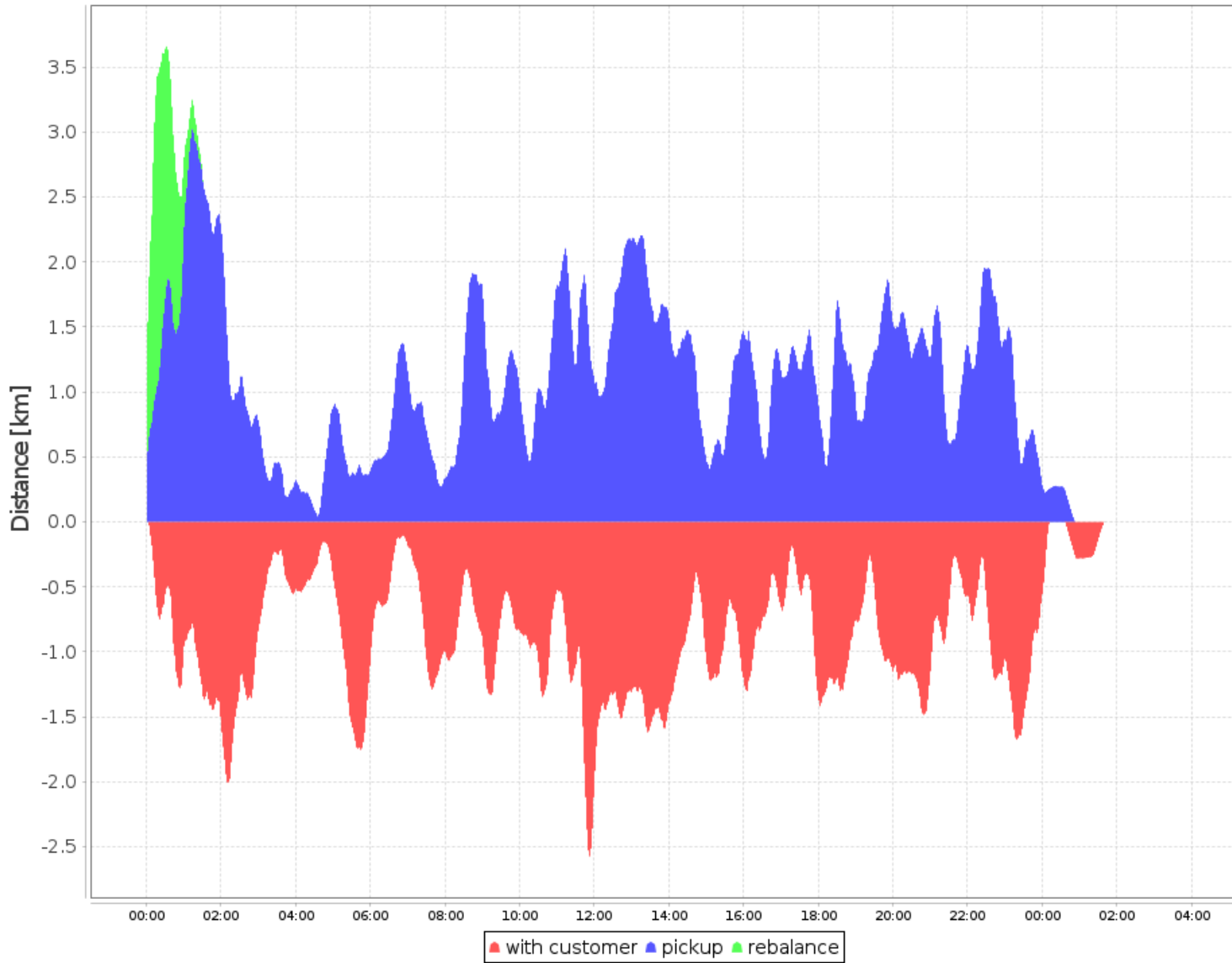
10.0% quantile	00:11:26
50.0% quantile	00:22:01
95.0% quantile	01:19:47
Mean	00:29:13
Maximum:	01:49:09

# Number of Requests per Total Journey Time



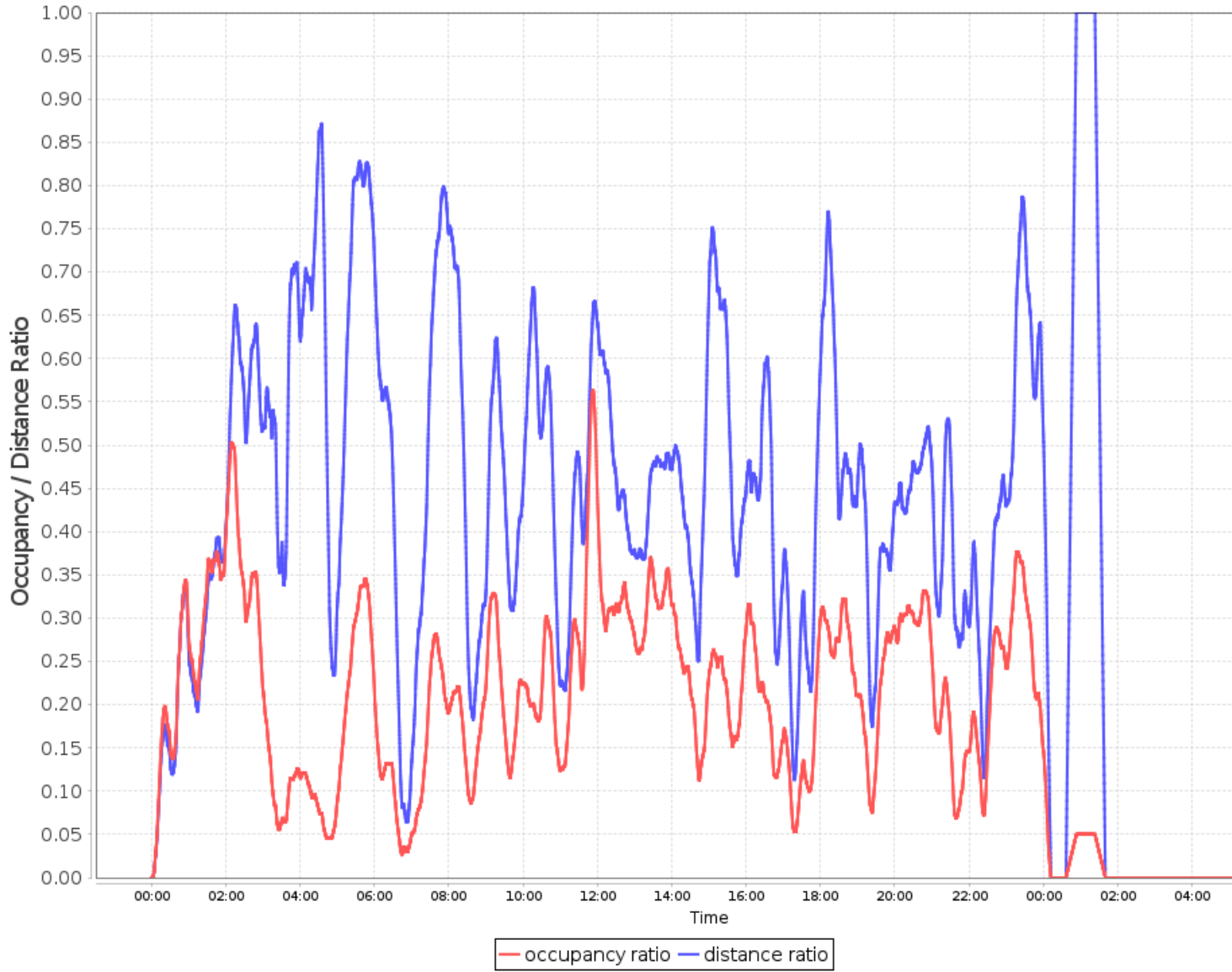
# Fleet Efficiency

## Distance Distribution over Day

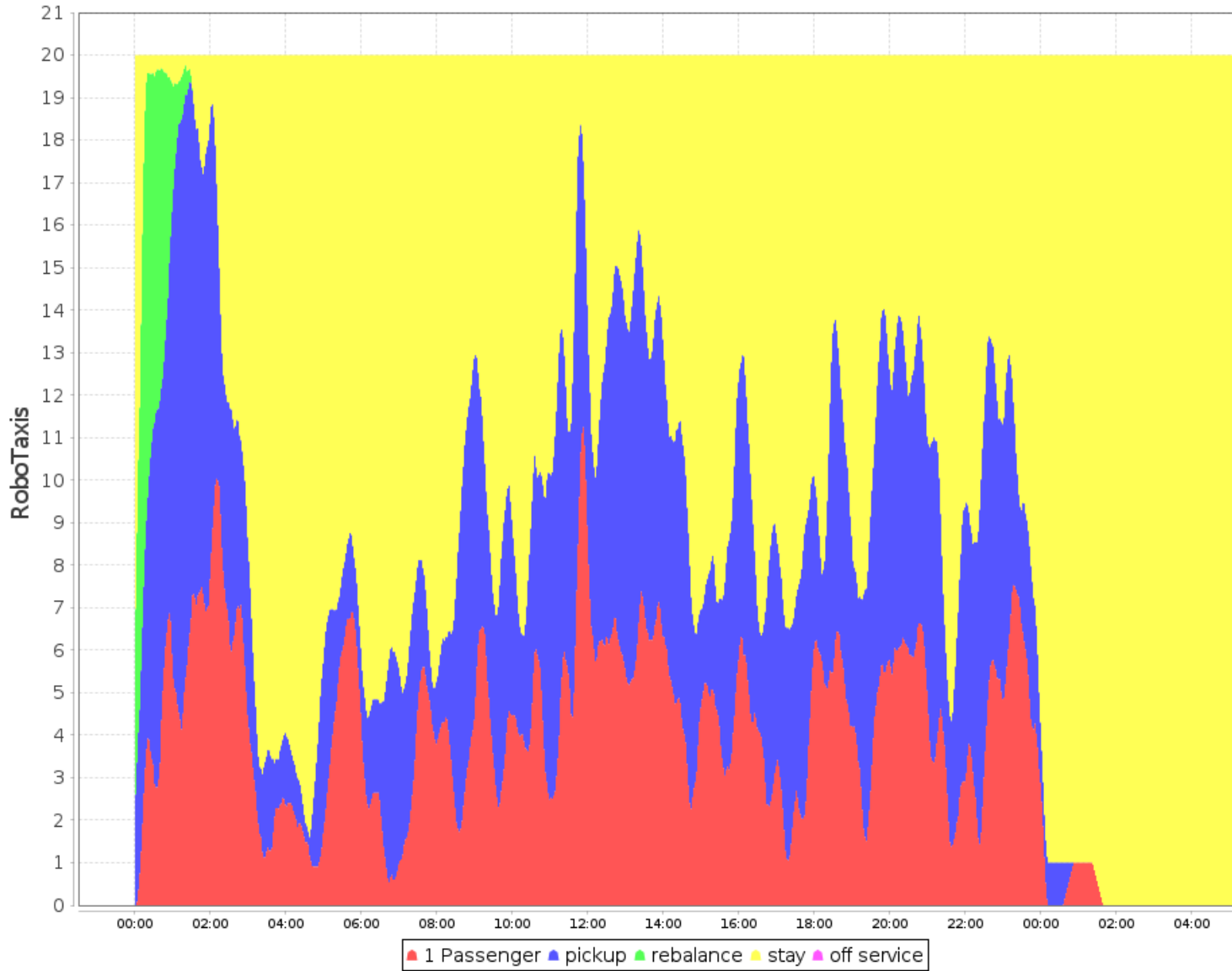




# Occupancy and Distance Ratios



## Number Passengers



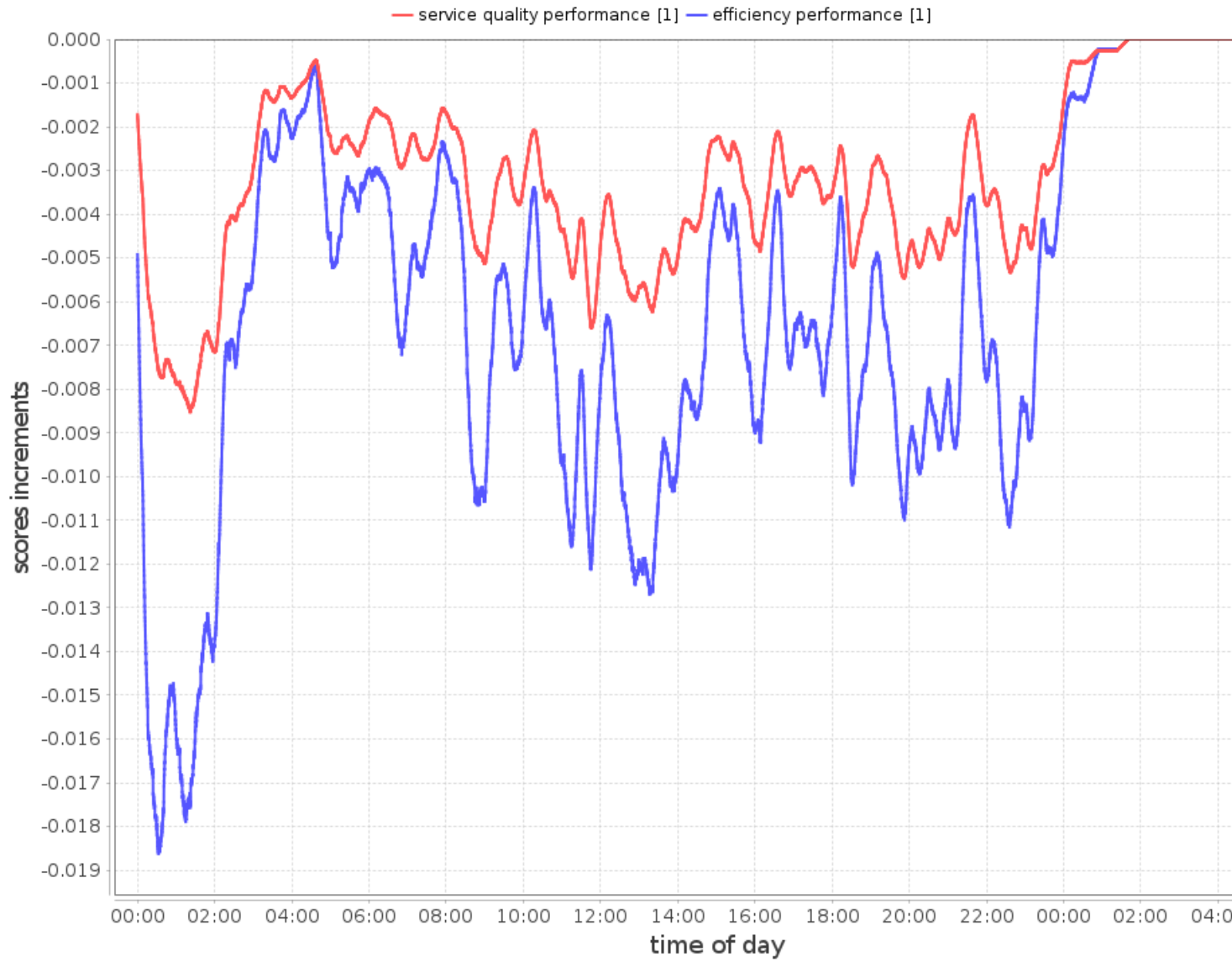
## Ride Sharing Distribution, fraction of Requests



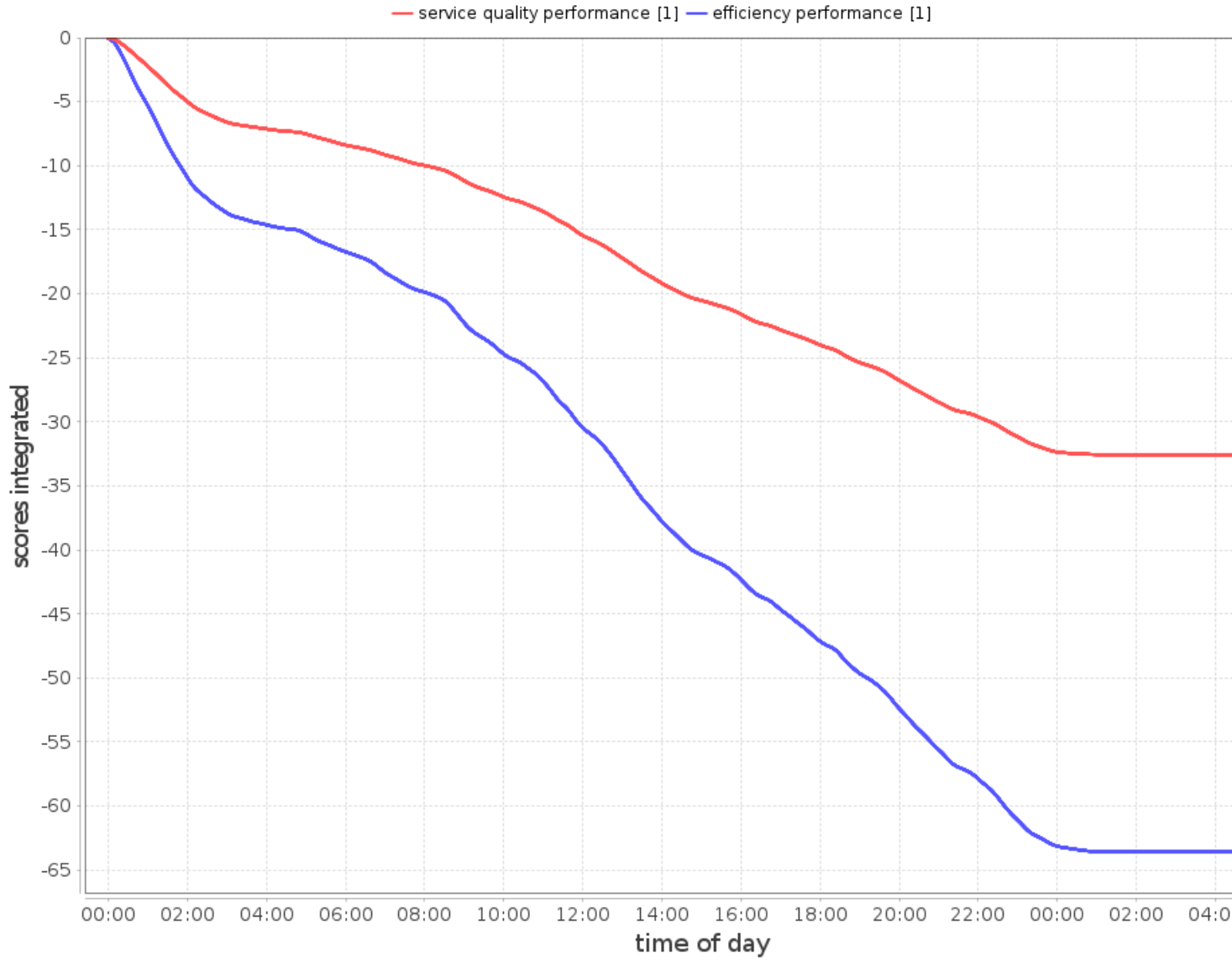
## Aido Scores

Scores during Simulation

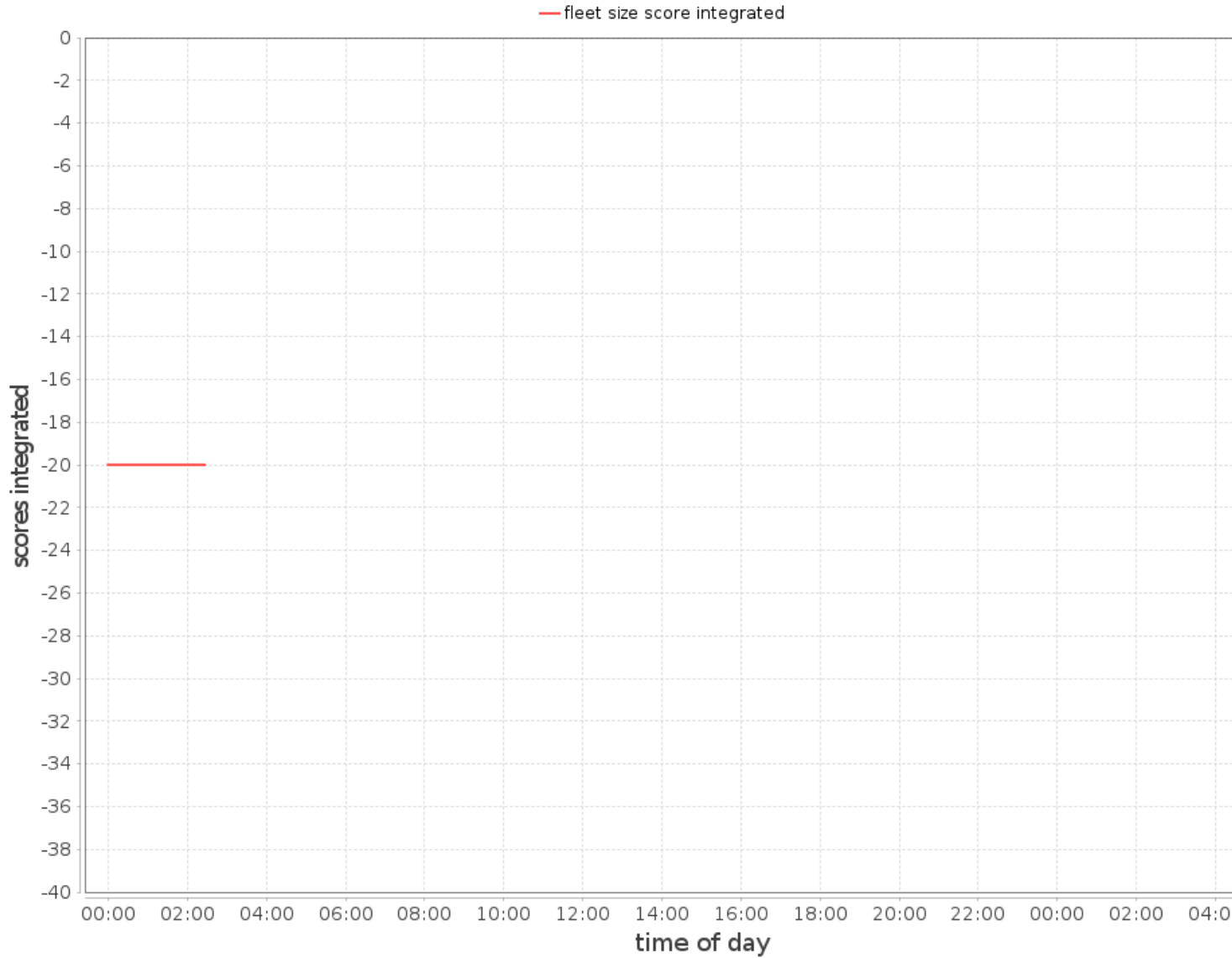
# Service Quality and Efficiency Score Increments



# Service Quality and Efficiency Score Integrated



# Fleet Size Score Integrated



## Final Scores

final service quality score: -32.60069905636044  
final efficiency score: -63.58207622543939  
final fleet size score: -Infinity