



# AMoDeus Simulation Report

## Simulation Information

User: root  
Timestamp: 2018/12/03 - 11:11:40  
  
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

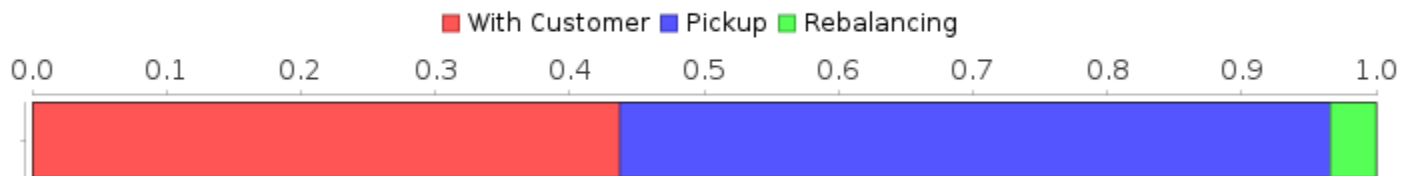
Distance Ratio: 43.76%  
Occupancy Ratio: 17.87 %

## Distances

Total: 18726.56 km  
Rebalancing: 634.11 km (3.39%)  
Pickup: 9898.61 km (52.86%)  
With Customer: 8193.84 km (43.76%)

Average Trip Distance: 16.39 km

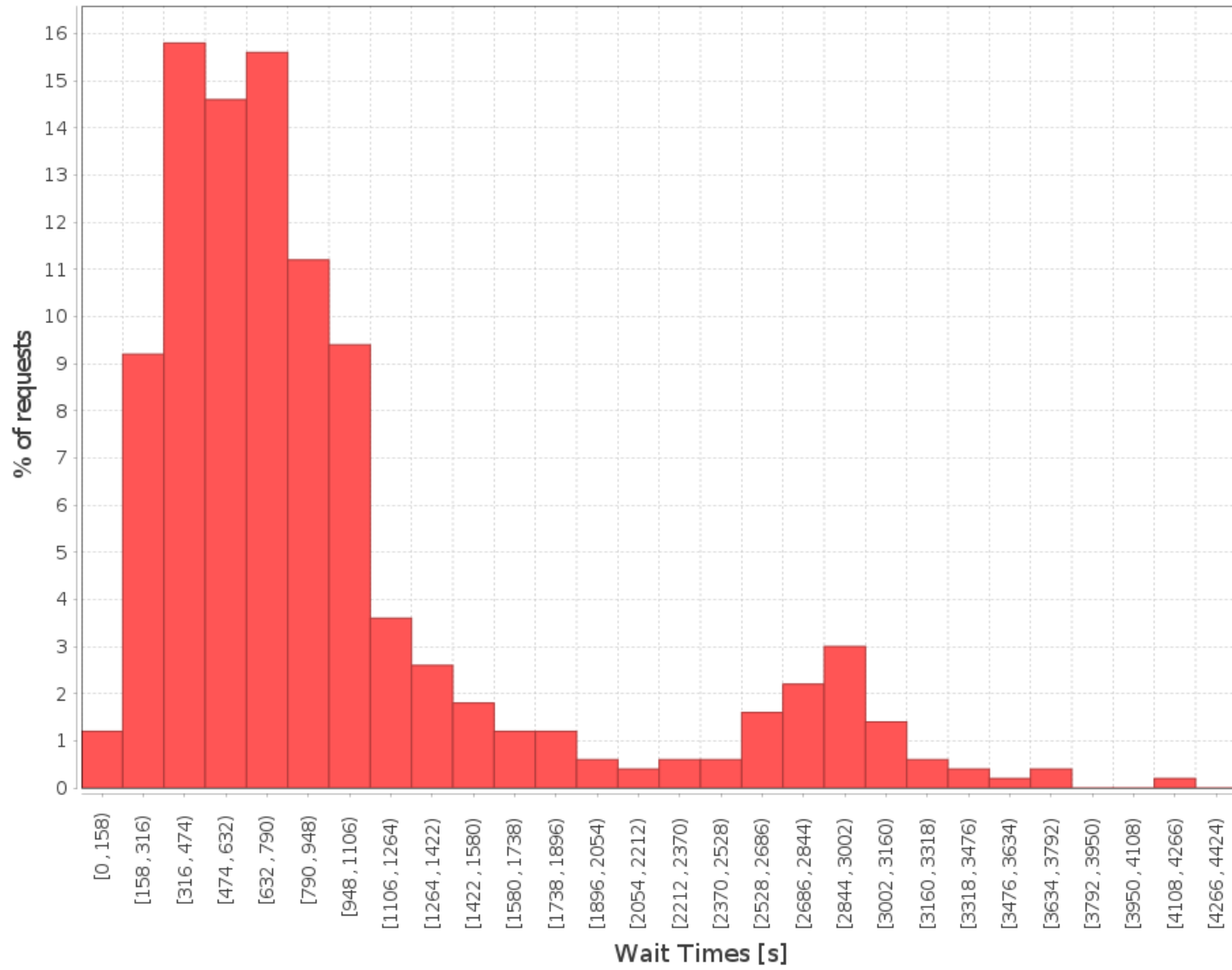
## Total Distance Distribution



## Wait Times

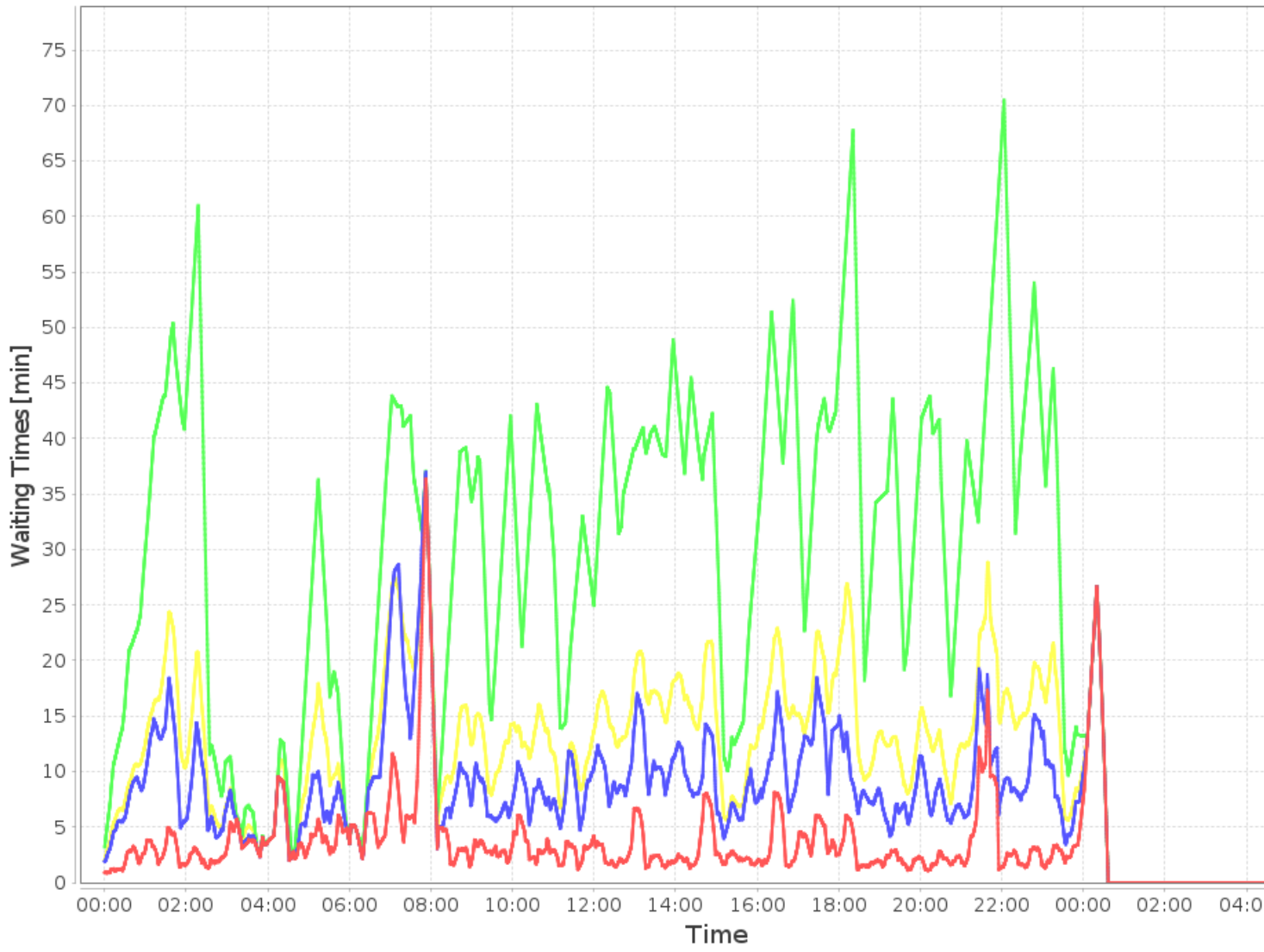
10.0% quantile 00:05:04  
50.0% quantile 00:12:02  
95.0% quantile 00:48:18  
Mean 00:16:16  
Maximum: 01:18:59

# Number of Requests per Wait Time

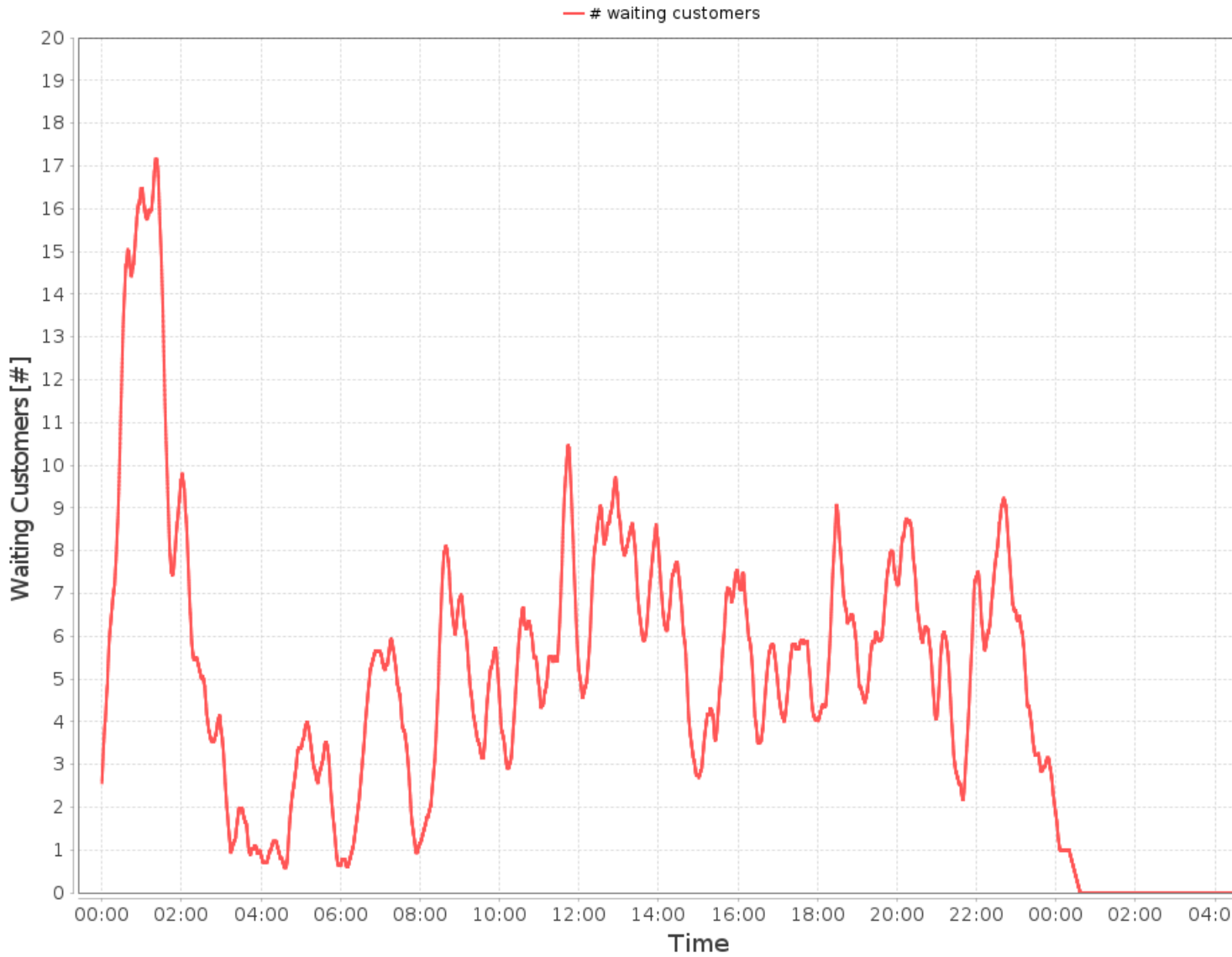


# Binned Waiting Times

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



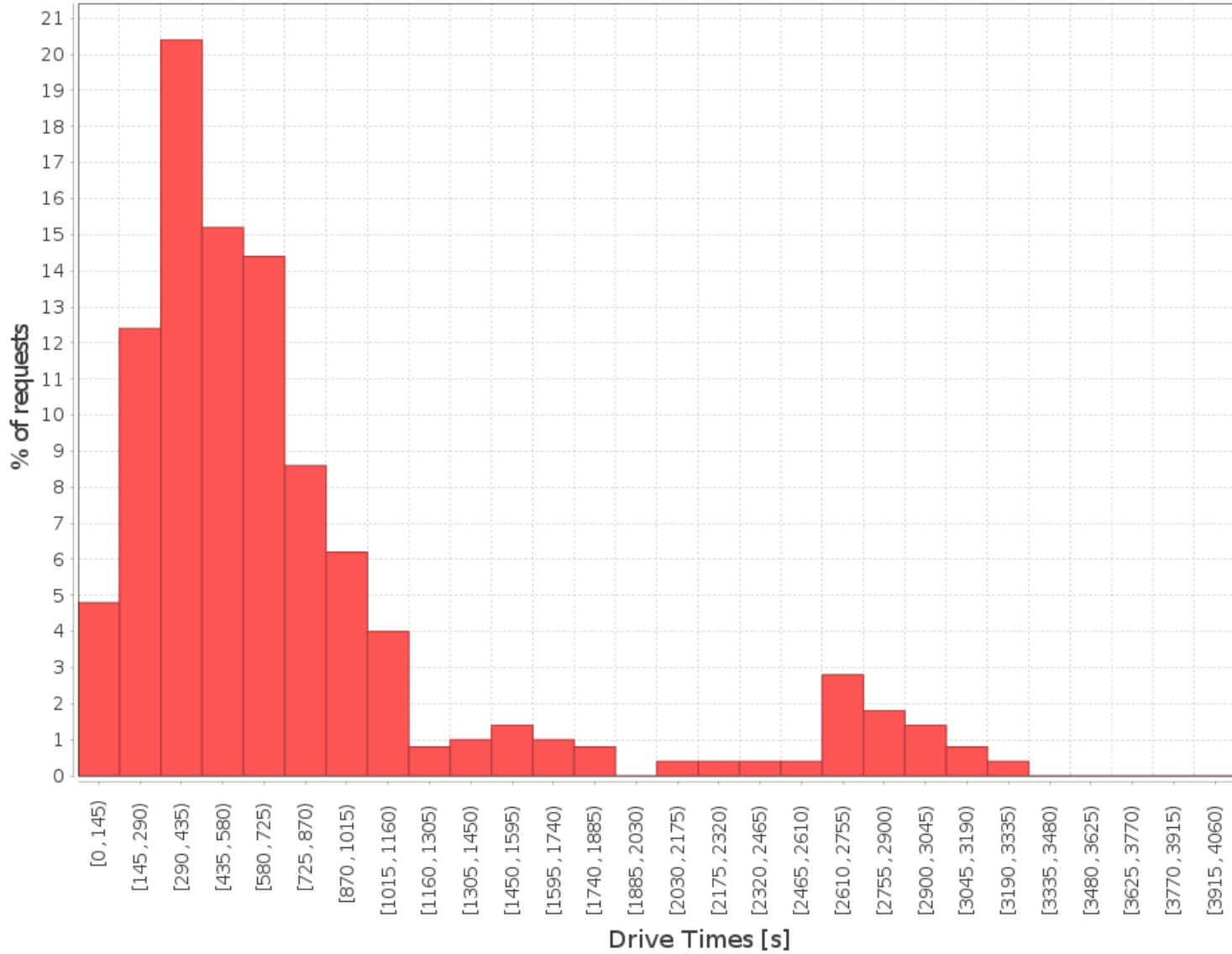
# Waiting Customers per Day Time



## Drive Times

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

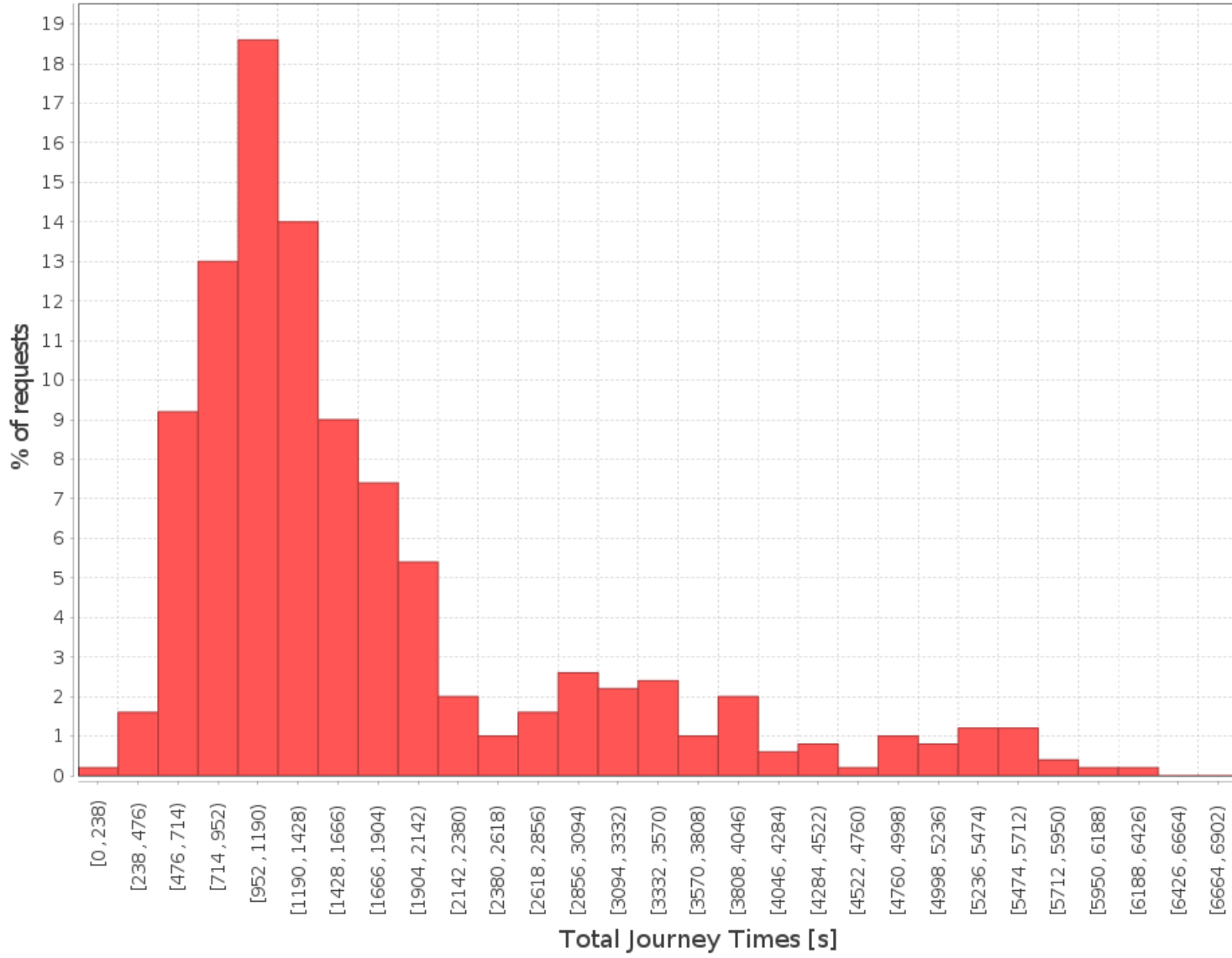
## Number of Requests per Drive Time



### Total Journey Times

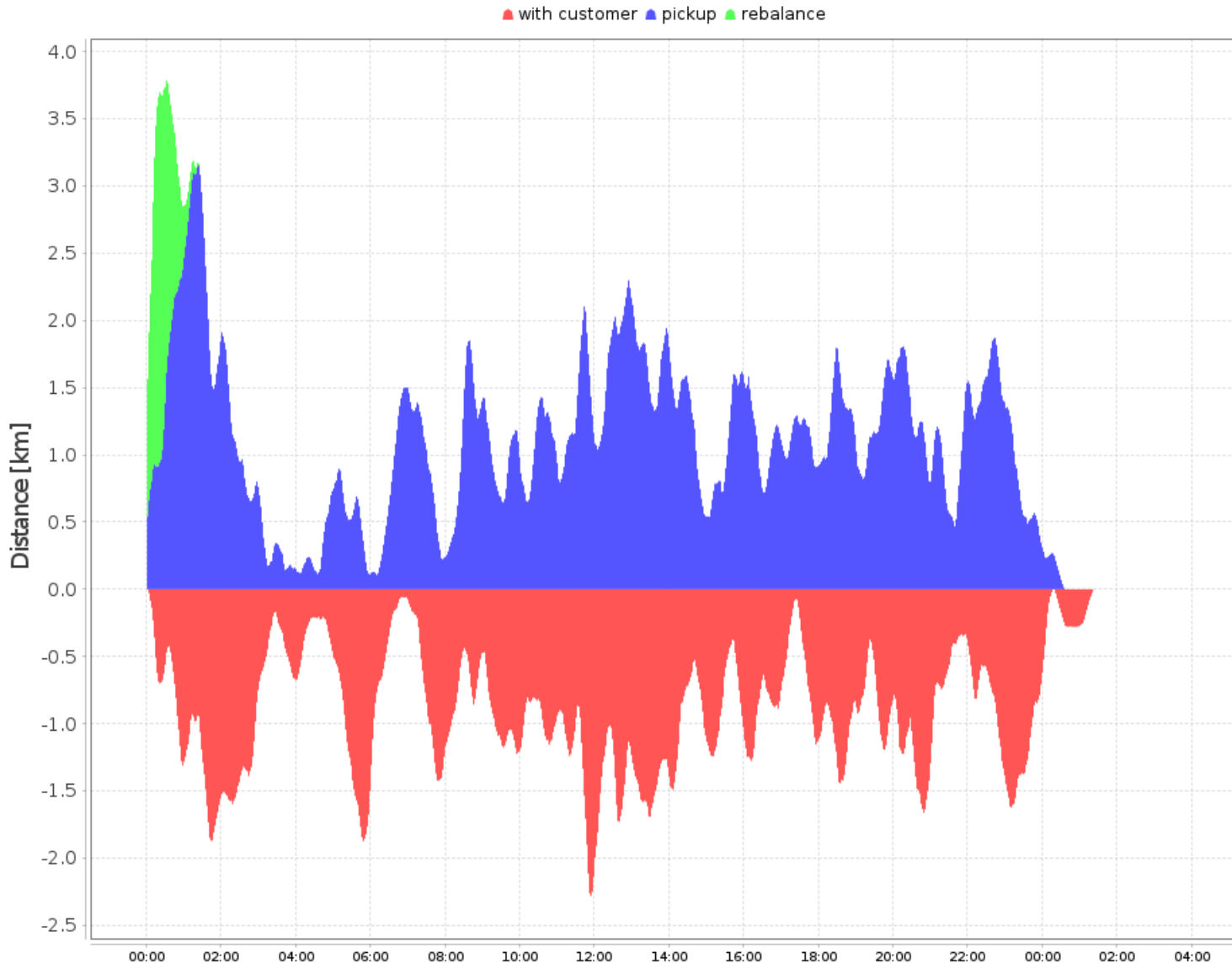
10.0% quantile	00:11:21
50.0% quantile	00:21:52
95.0% quantile	01:19:50
Mean	00:29:07
Maximum:	01:59:06

# Number of Requests per Total Journey Time



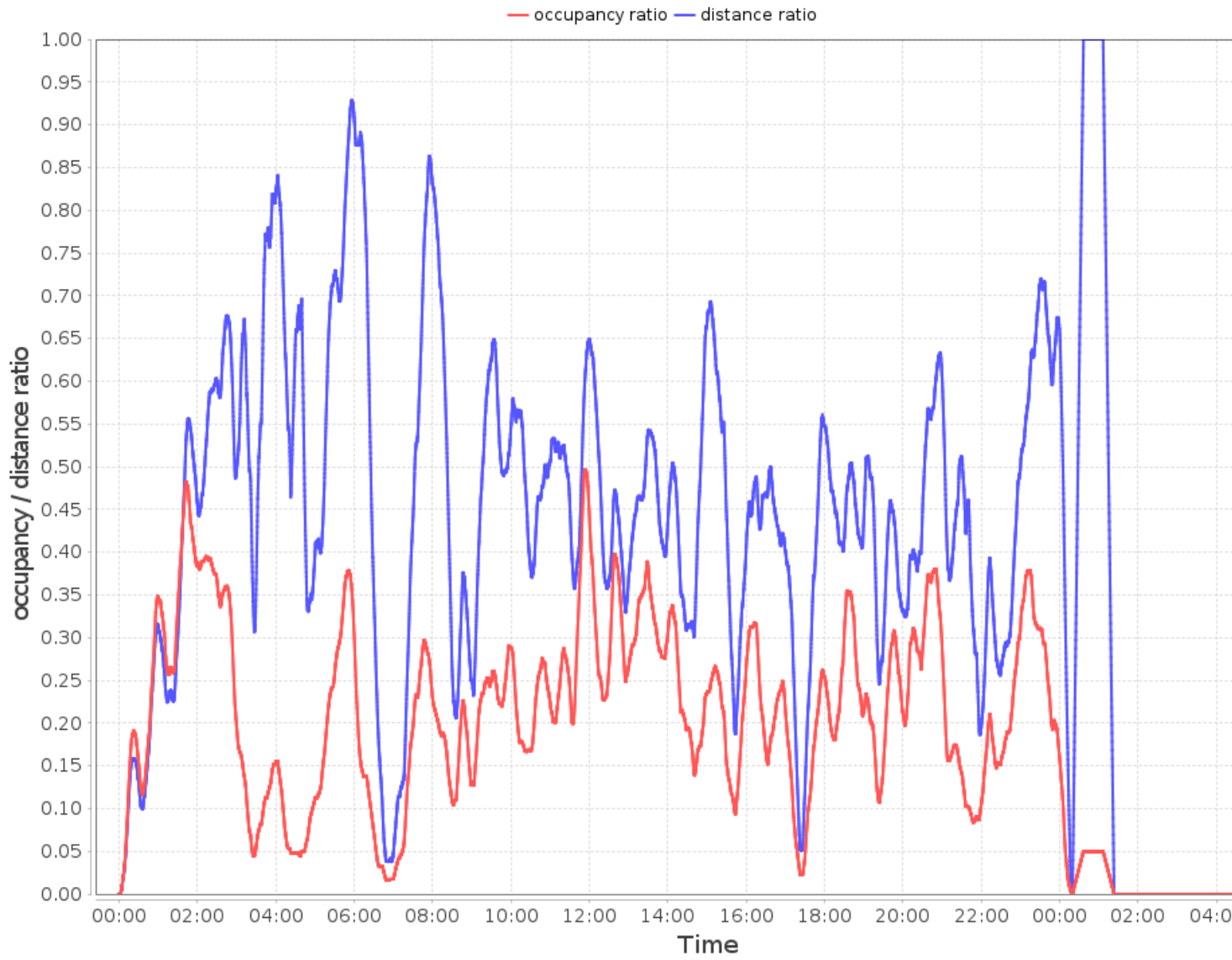
# Fleet Efficiency

## Distance Distribution over Day

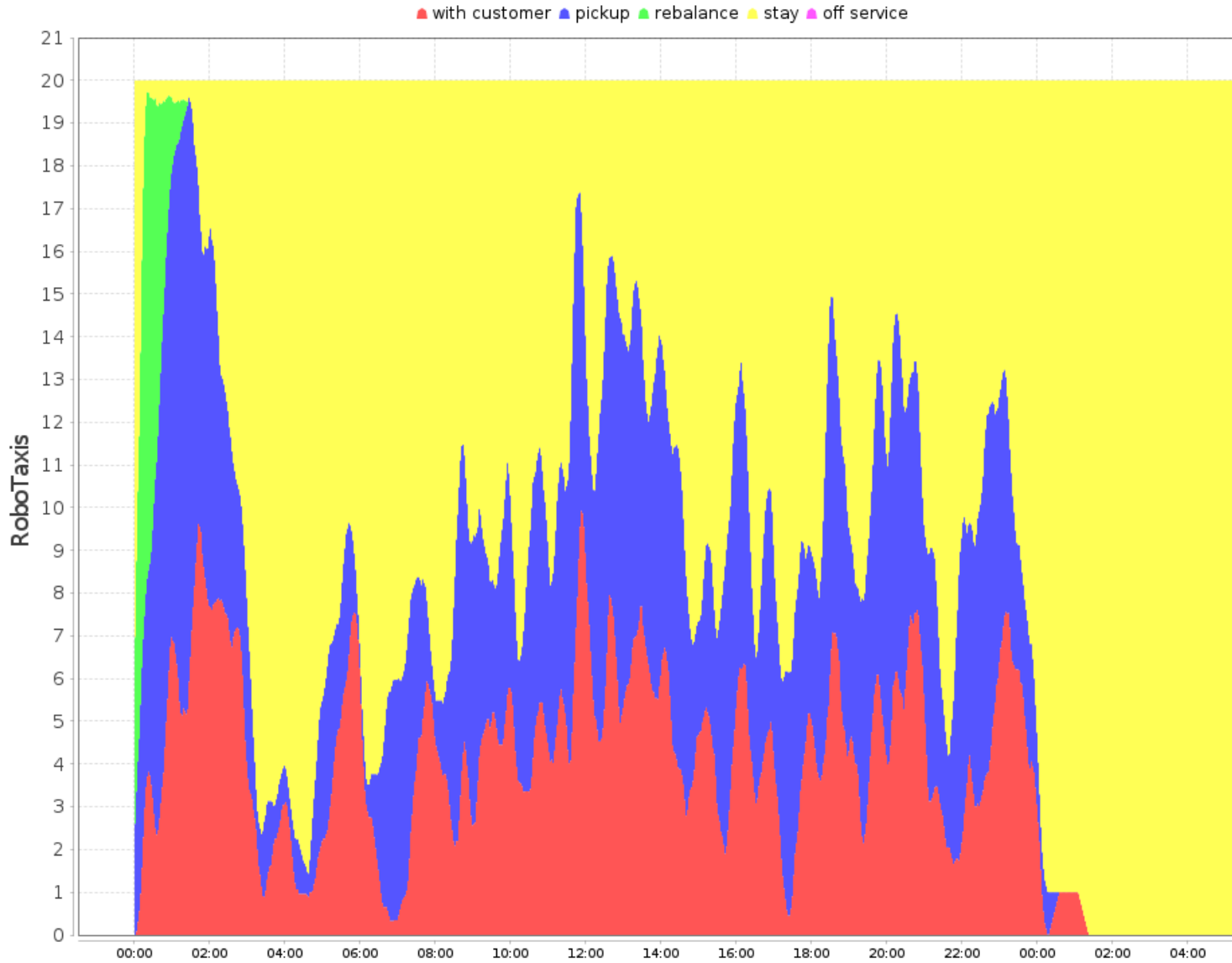




# Occupancy and Distance Ratios



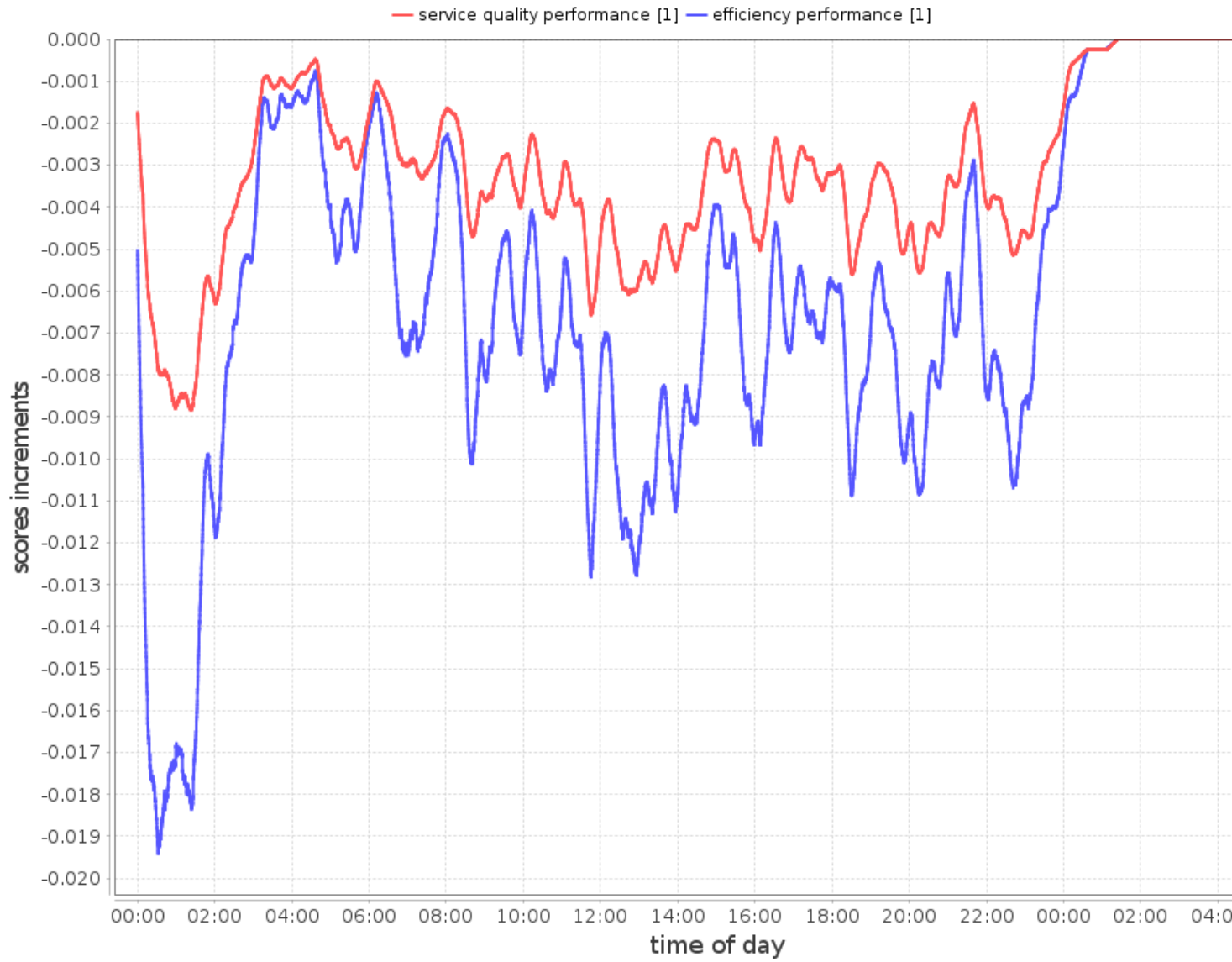
## Status Distribution



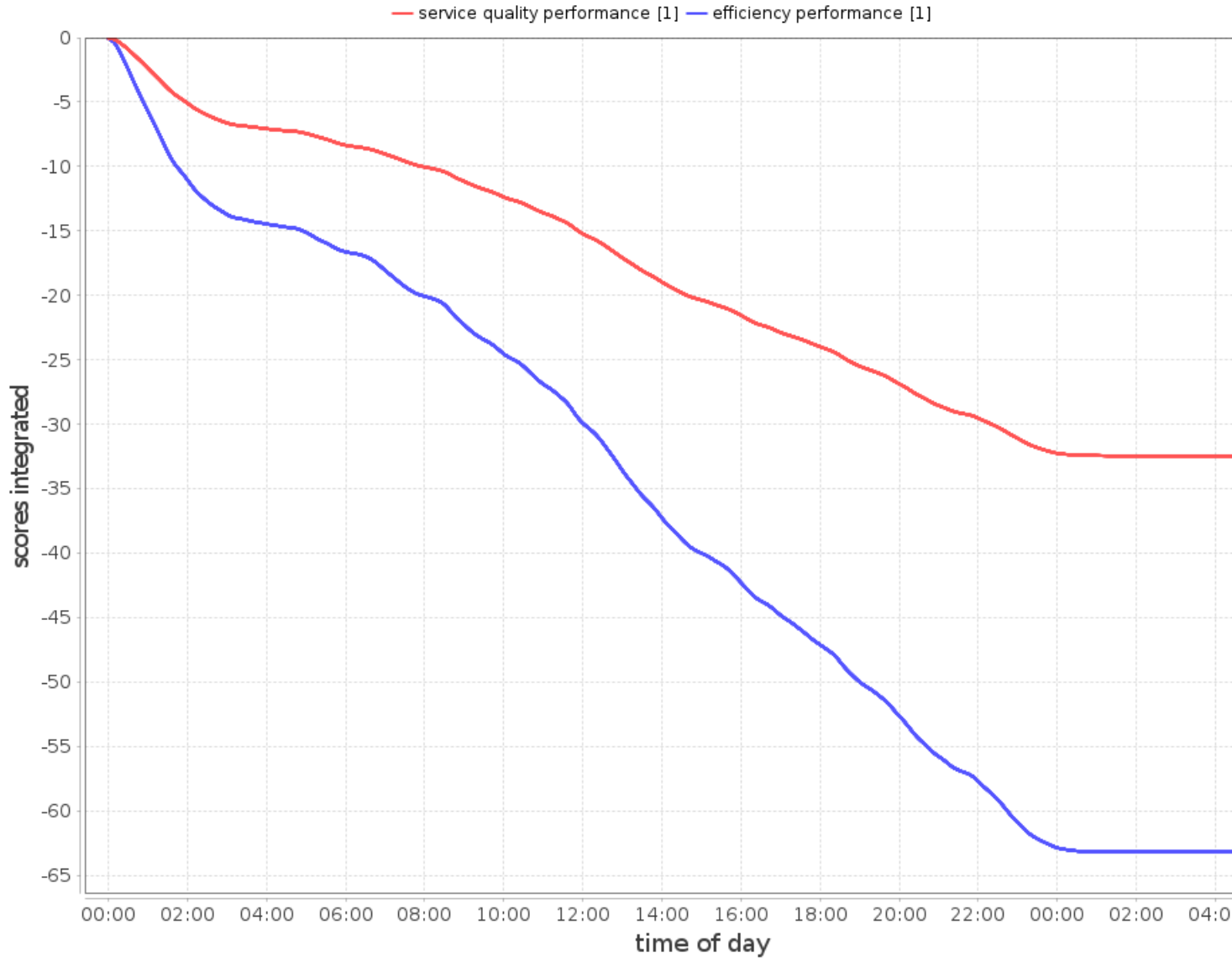
## Aido Scores

Scores during Simulation

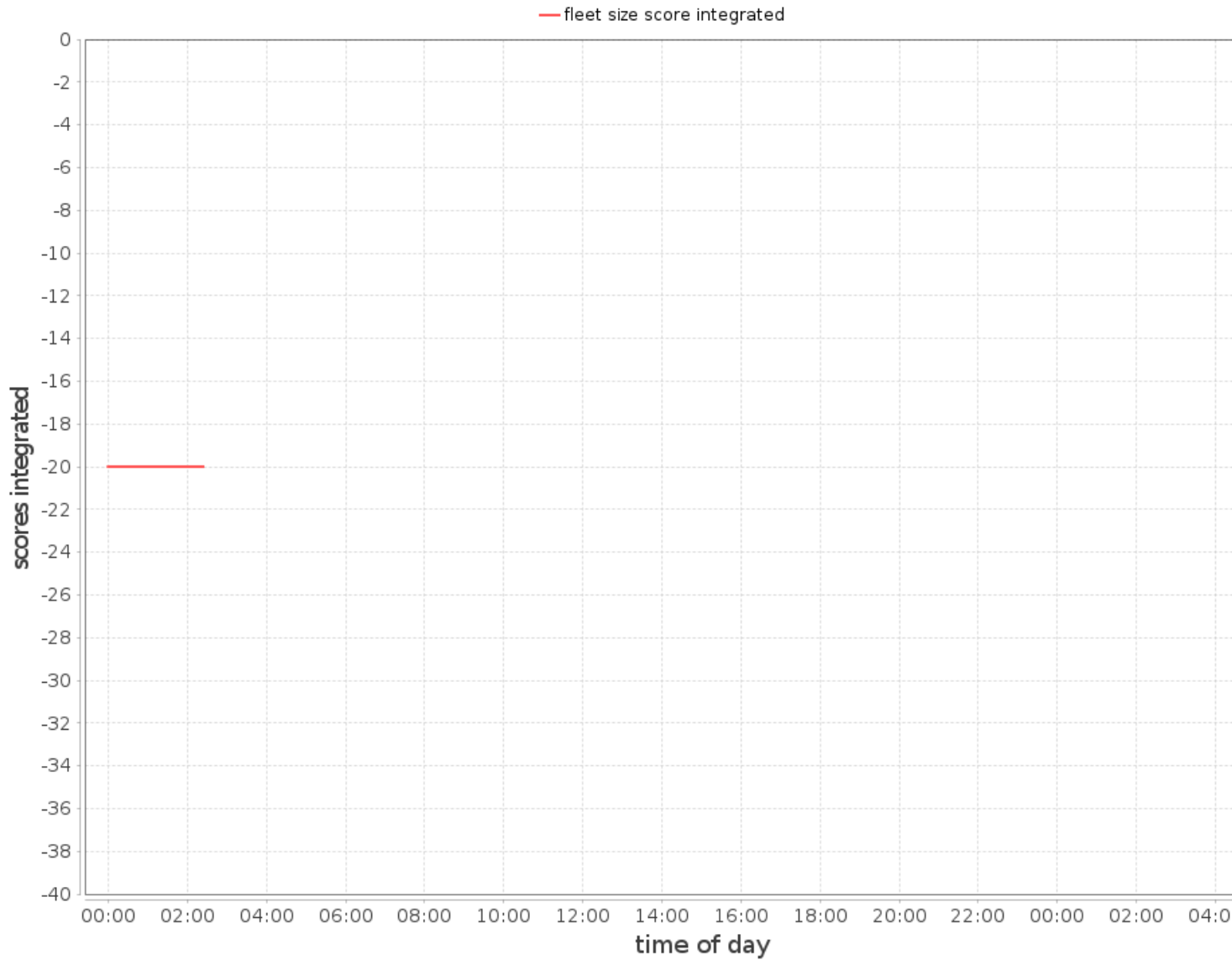
# Service Quality and Efficiency Score Increments



# Service Quality and Efficiency Score Integrated



# Fleet Size Score Integrated



## Final Scores

final service quality score: -32.44067182829978  
final efficiency score: -63.16236731319675  
final fleet size score: -Infinity

[www.idsc.ethz.ch](http://www.idsc.ethz.ch)