



# AMoDeus Simulation Report

## Simulation Information

User: root  
Timestamp: 2018/11/30 - 07:50:26  
  
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

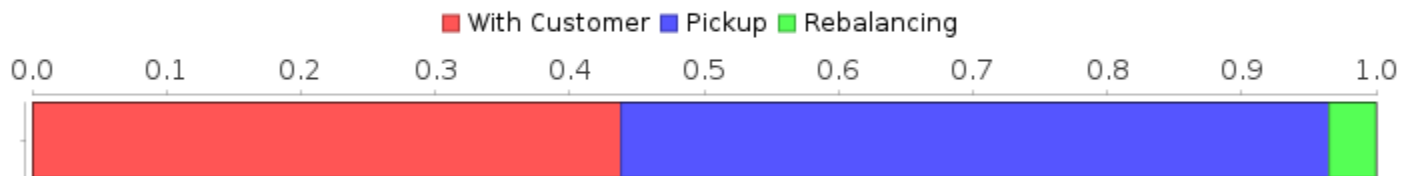
Distance Ratio: 43.83%  
Occupancy Ratio: 17.87 %

## Distances

Total: 18693.02 km  
Rebalancing: 649.70 km (3.48%)  
Pickup: 9849.50 km (52.69%)  
With Customer: 8193.82 km (43.83%)

Average Trip Distance: 16.39 km

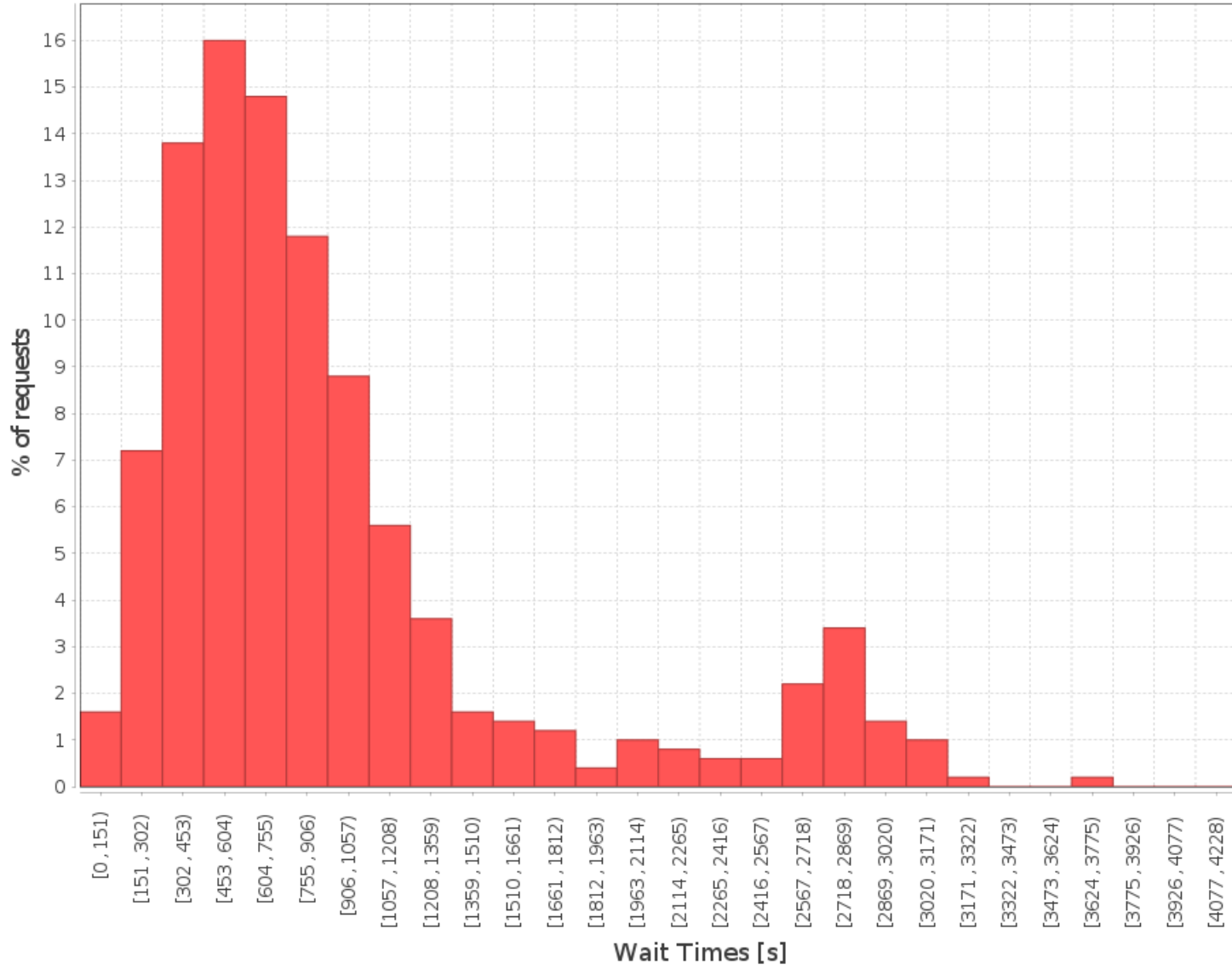
## Total Distance Distribution



## Wait Times

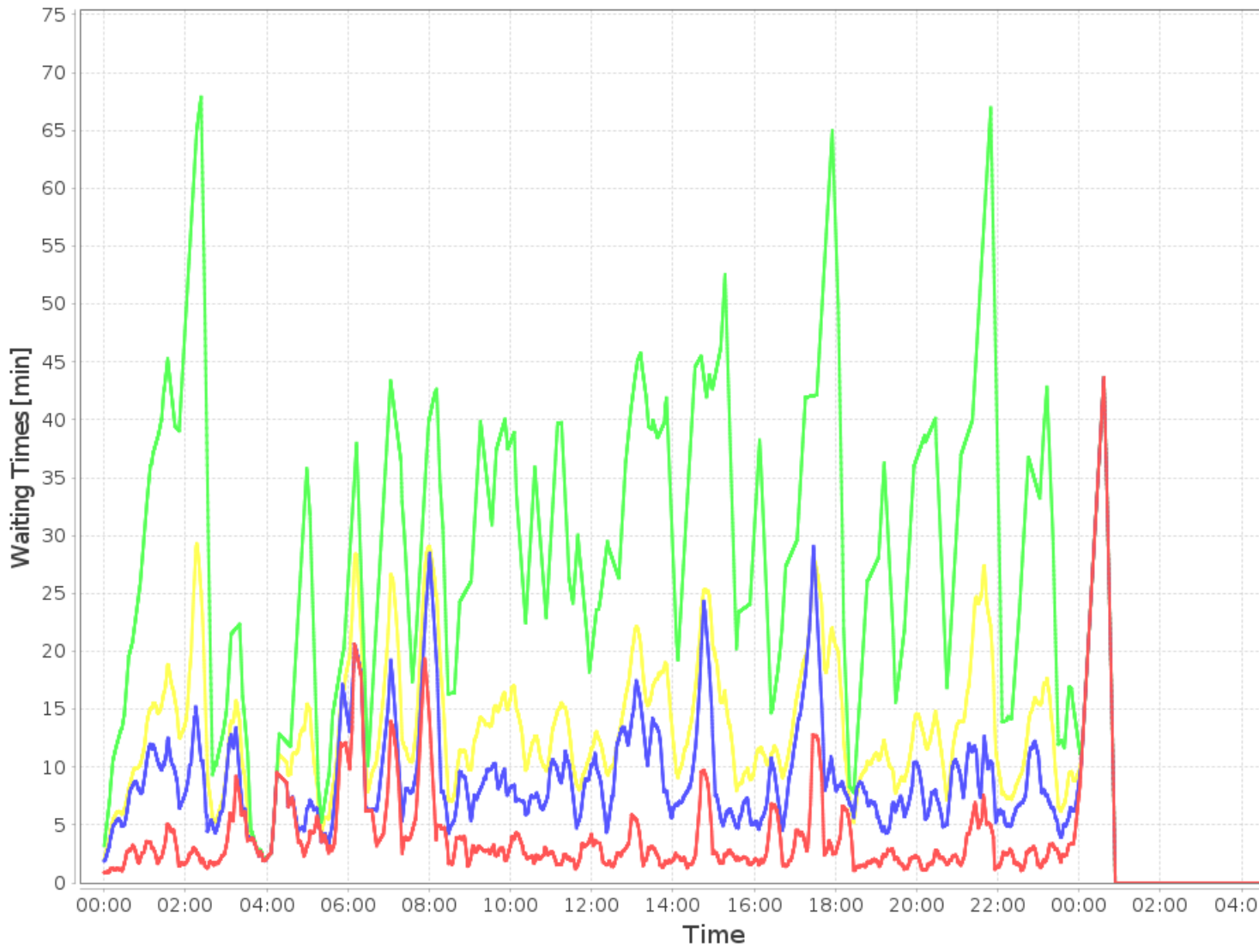
10.0% quantile 00:05:08  
50.0% quantile 00:11:48  
95.0% quantile 00:46:45  
Mean 00:16:03  
Maximum: 01:15:28

# Number of Requests per Wait Time

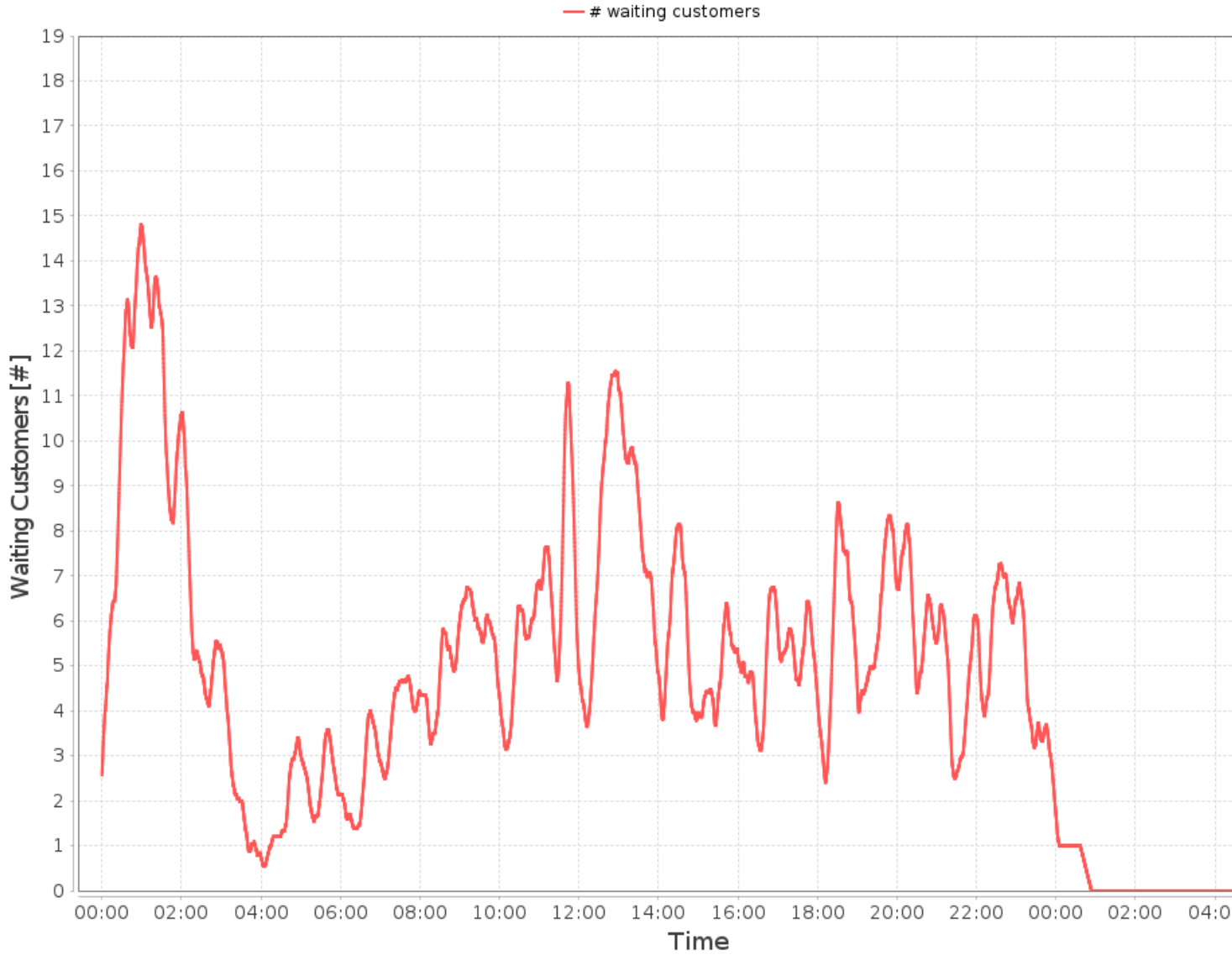


# Binned Waiting Times

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



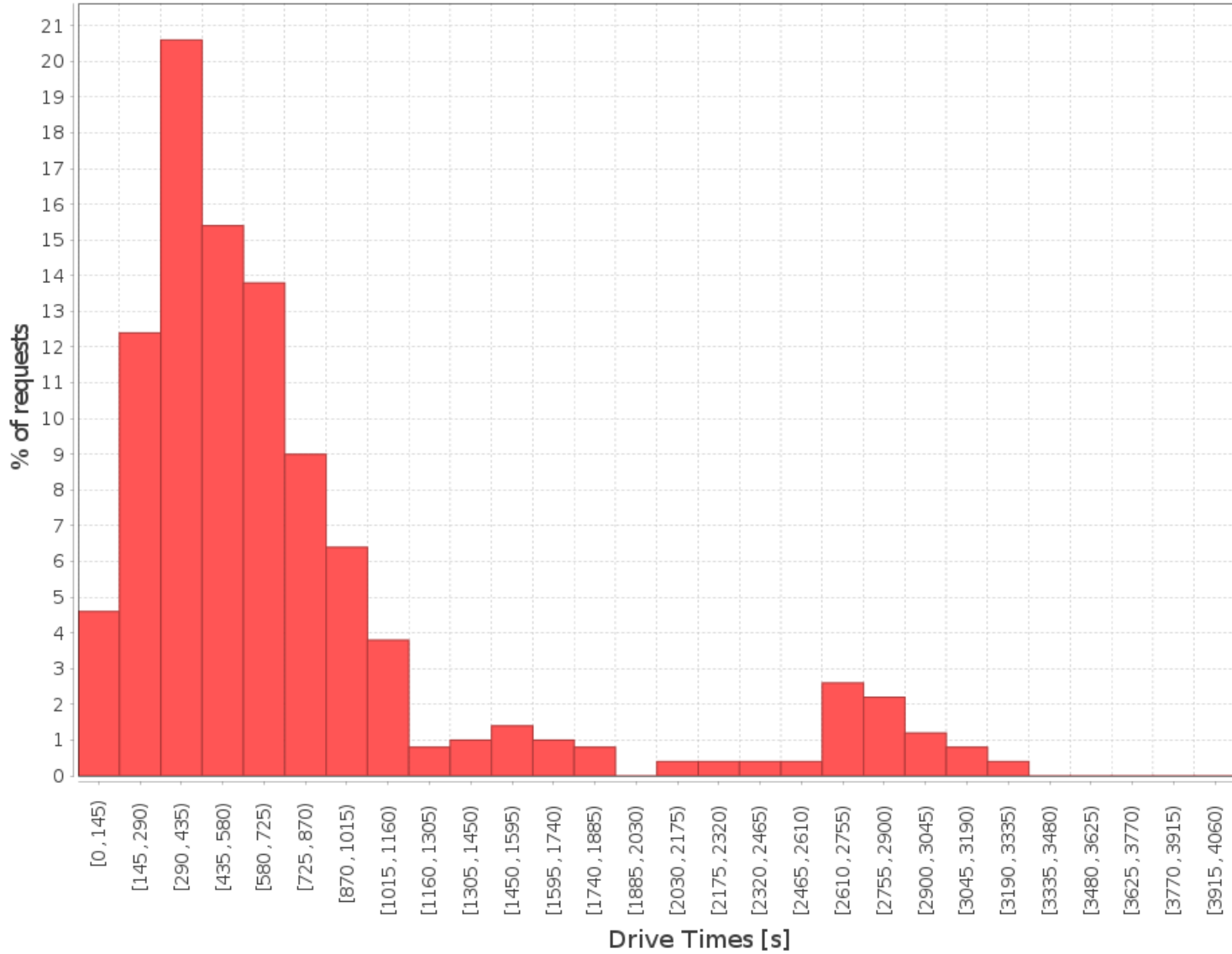
# Waiting Customers per Day Time



## 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

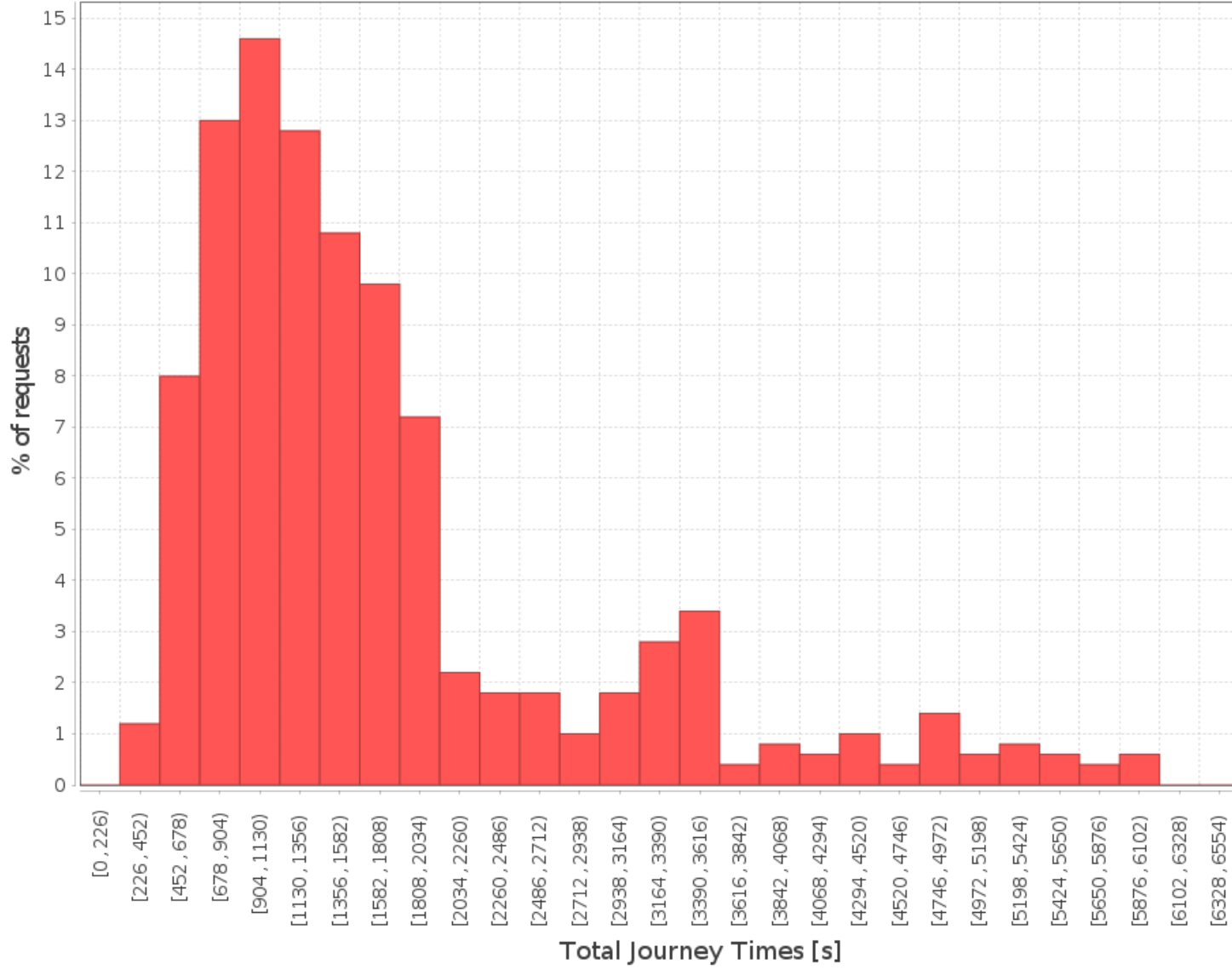
## Number of Requests per Drive Time



### Total Journey Times

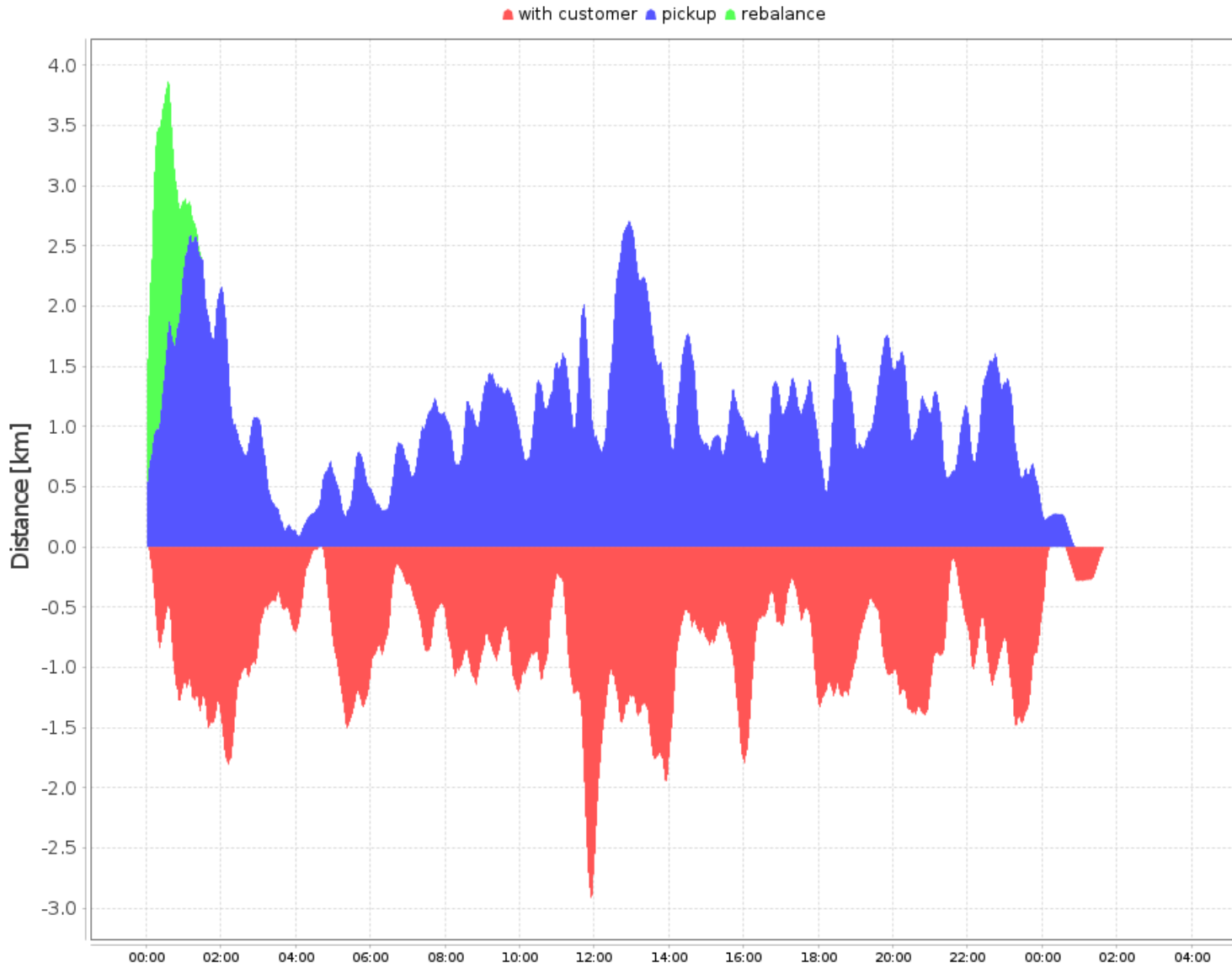
10.0% quantile	00:11:32
50.0% quantile	00:22:40
95.0% quantile	01:14:35
Mean	00:28:54
Maximum:	01:53:04

# Number of Requests per Total Journey Time



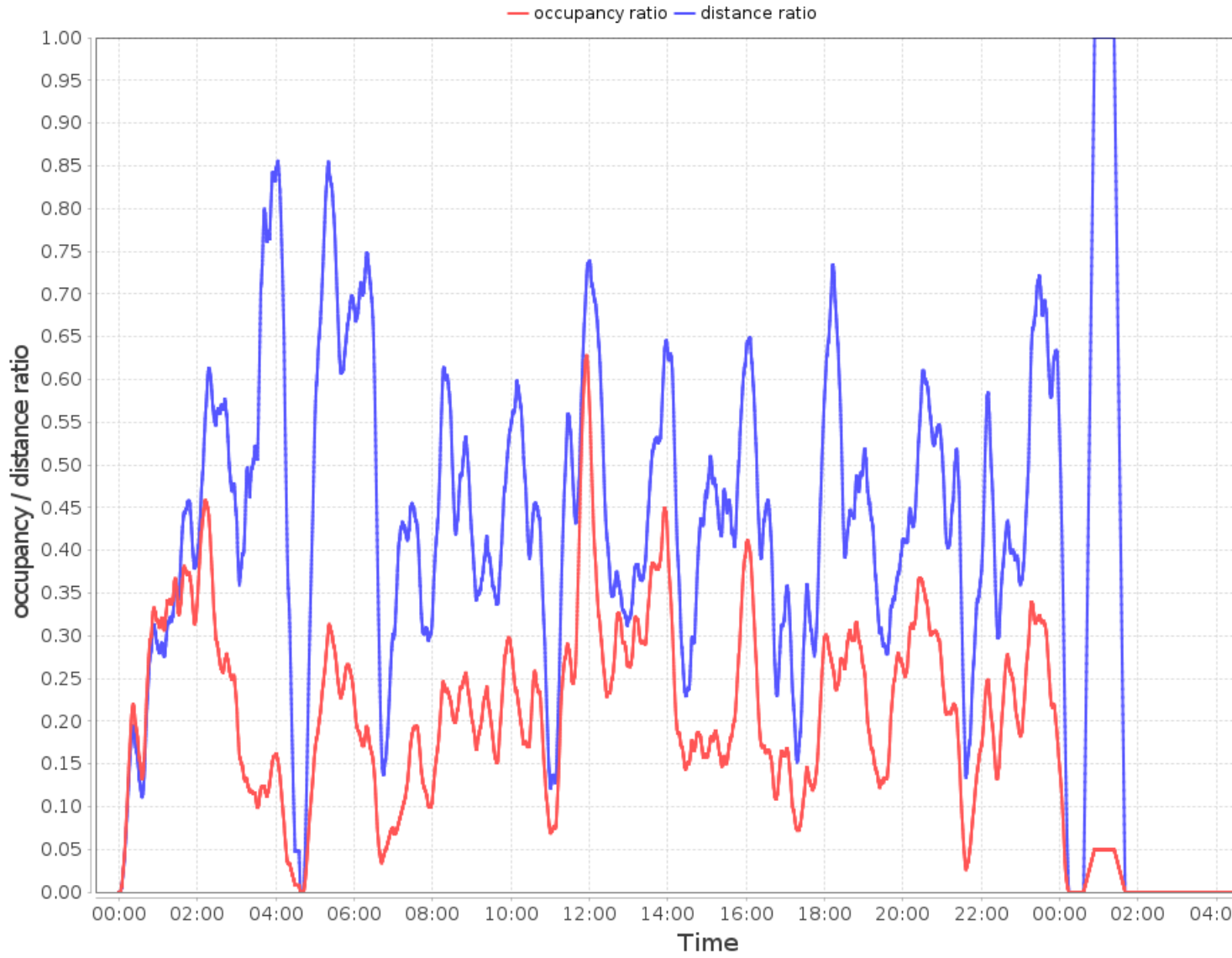
# Fleet Efficiency

## Distance Distribution over Day

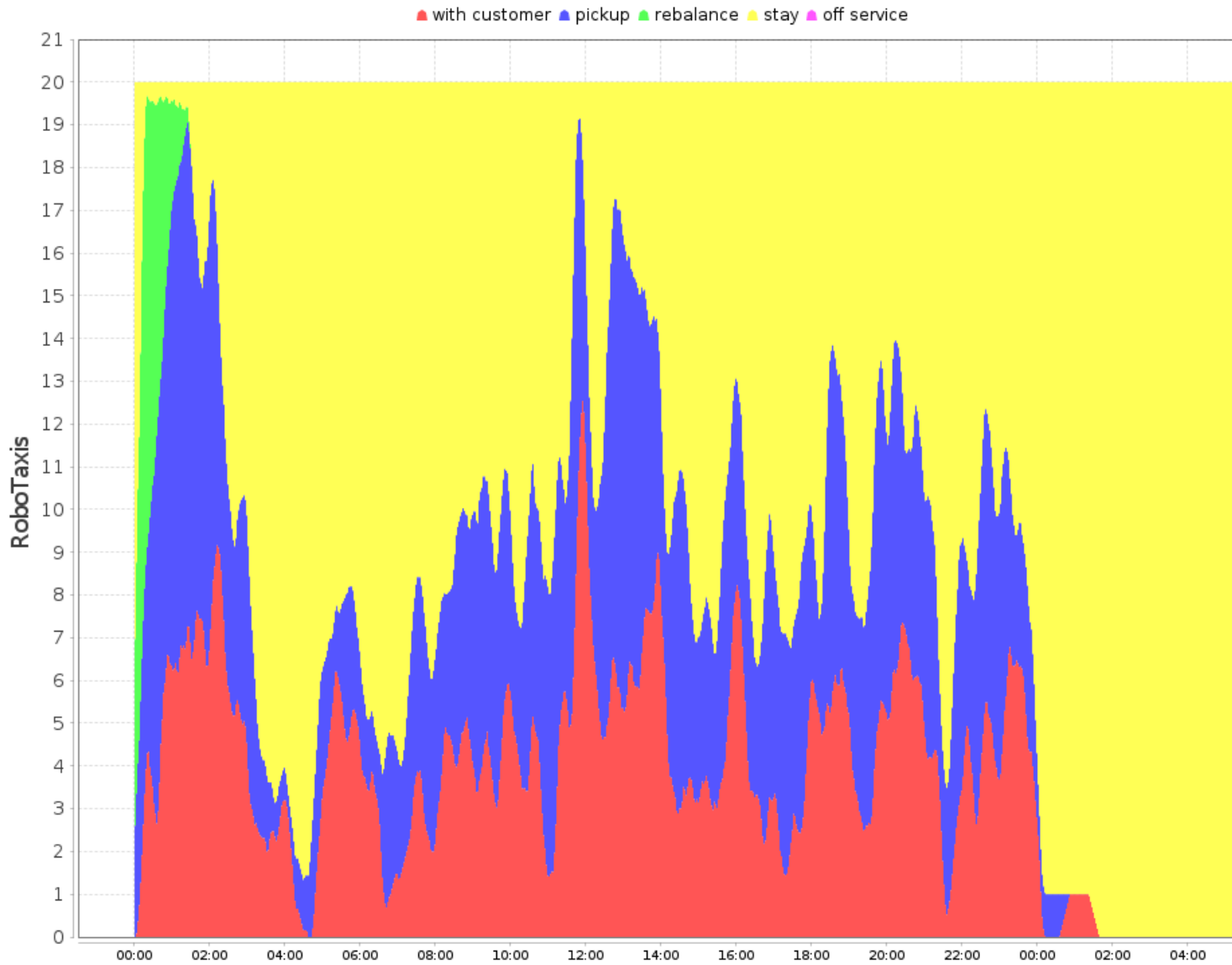




# Occupancy and Distance Ratios



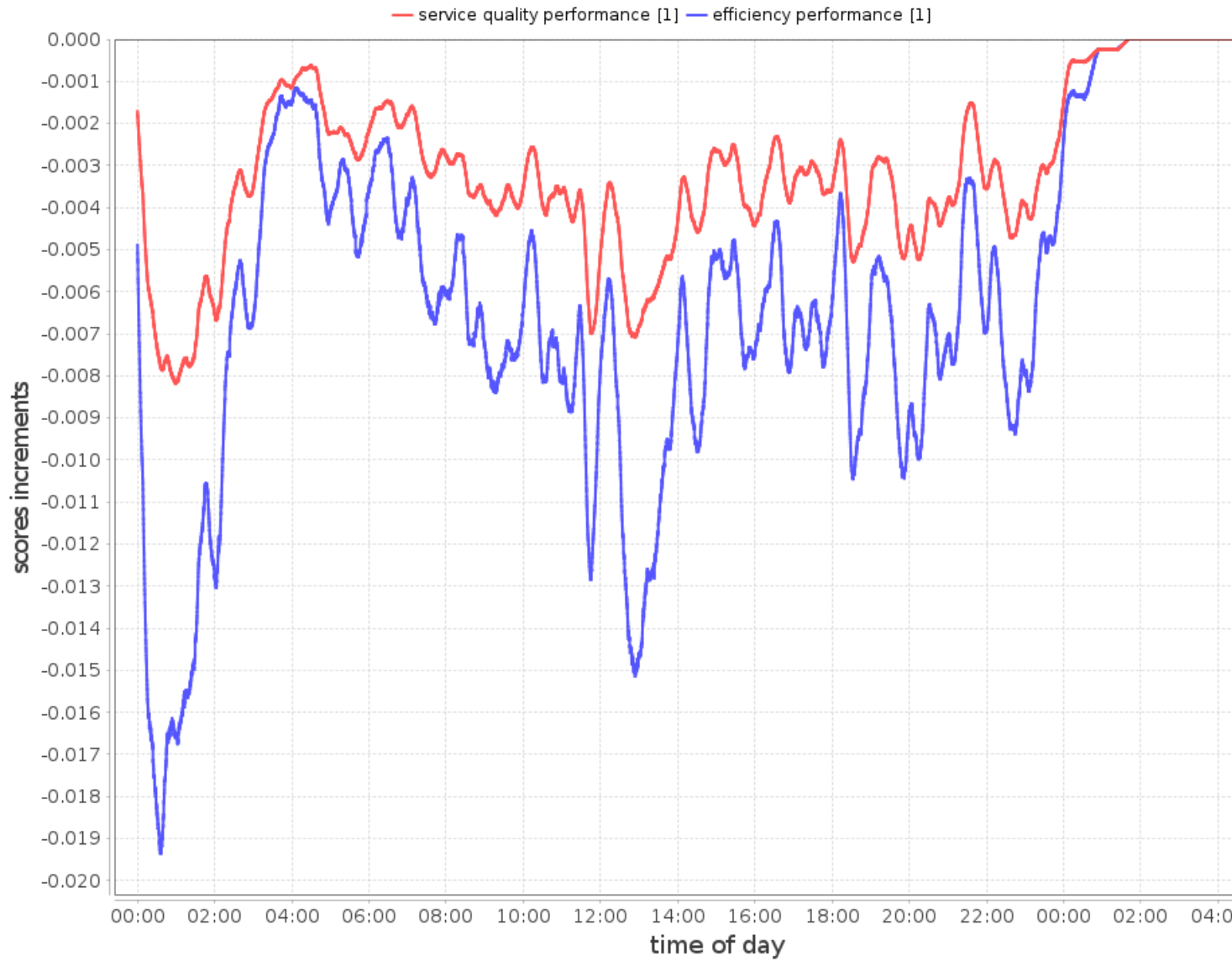
## Status Distribution



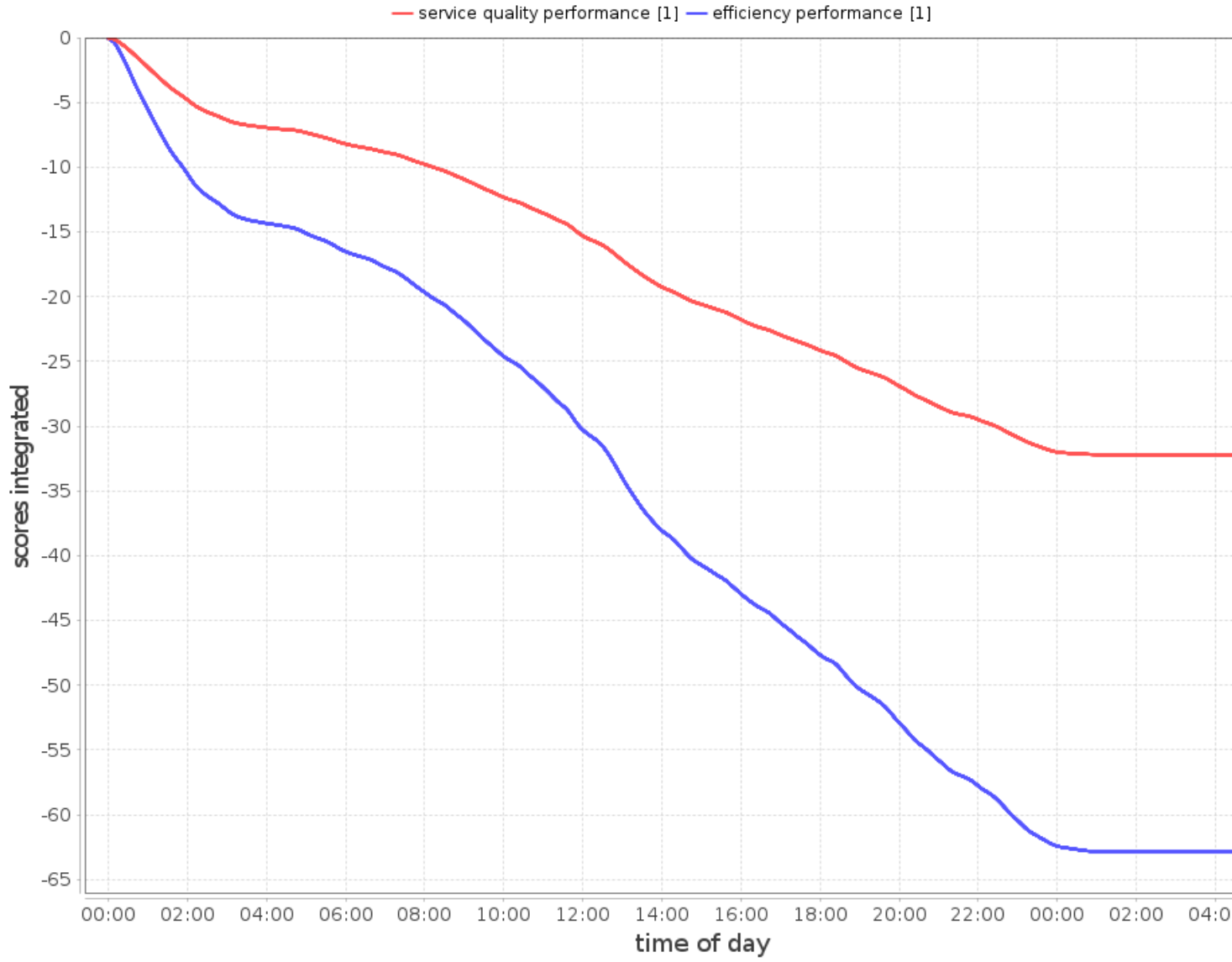
## Aido Scores

Scores during Simulation

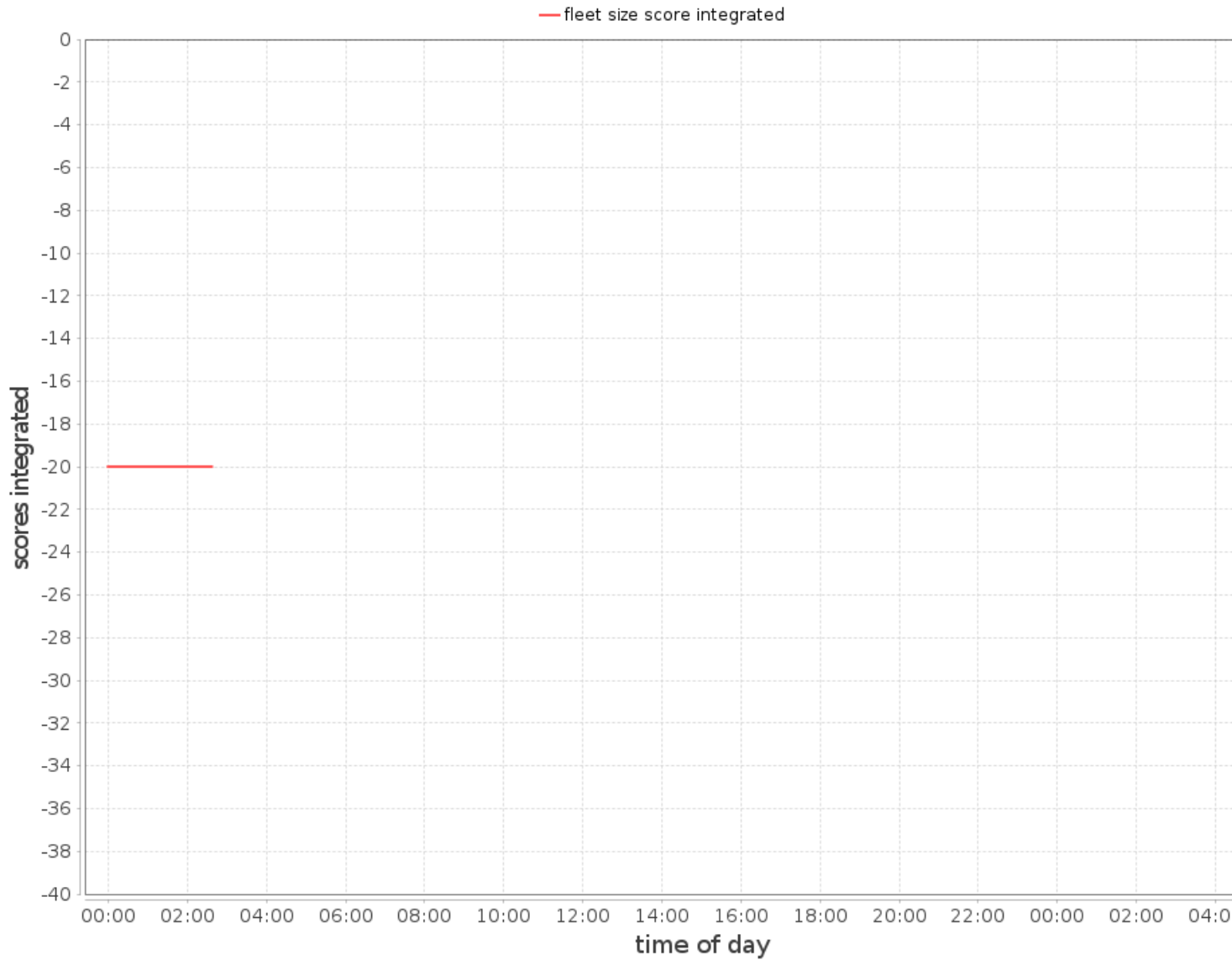
# Service Quality and Efficiency Score Increments



# Service Quality and Efficiency Score Integrated



# Fleet Size Score Integrated



## Final Scores

final service quality score: -32.237699143231424  
final efficiency score: -62.86575657292265  
final fleet size score: -Infinity

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