



# AMoDeus Simulation Report

## Simulation Information

User: root  
Timestamp: 2018/12/01 - 15:14:52  
  
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

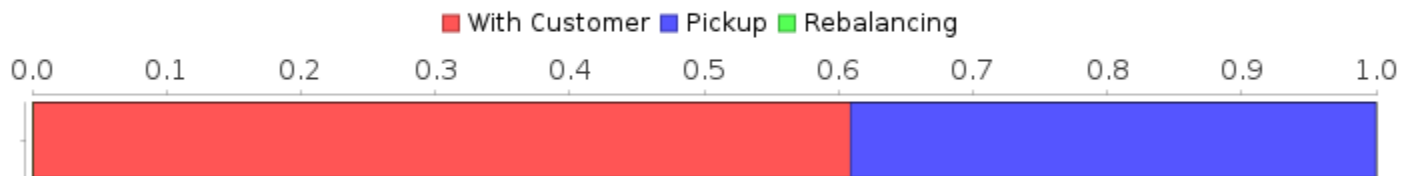
Distance Ratio: 60.93%  
Occupancy Ratio: 17.87 %

## Distances

Total: 13443.48 km  
Rebalancing: 0.00 km (0.00%)  
Pickup: 5252.20 km (39.07%)  
With Customer: 8191.28 km (60.93%)

Average Trip Distance: 16.38 km

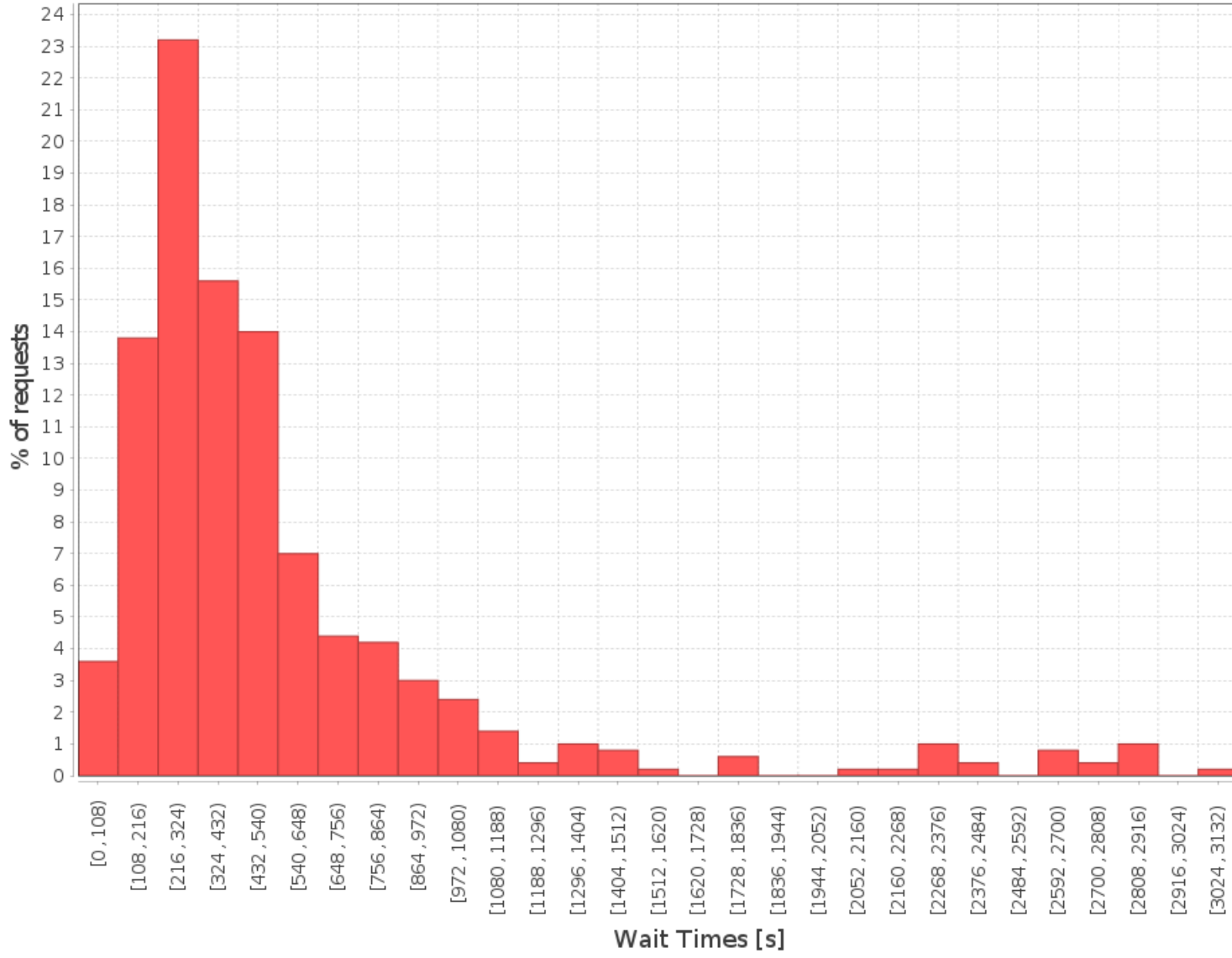
## Total Distance Distribution



## Wait Times

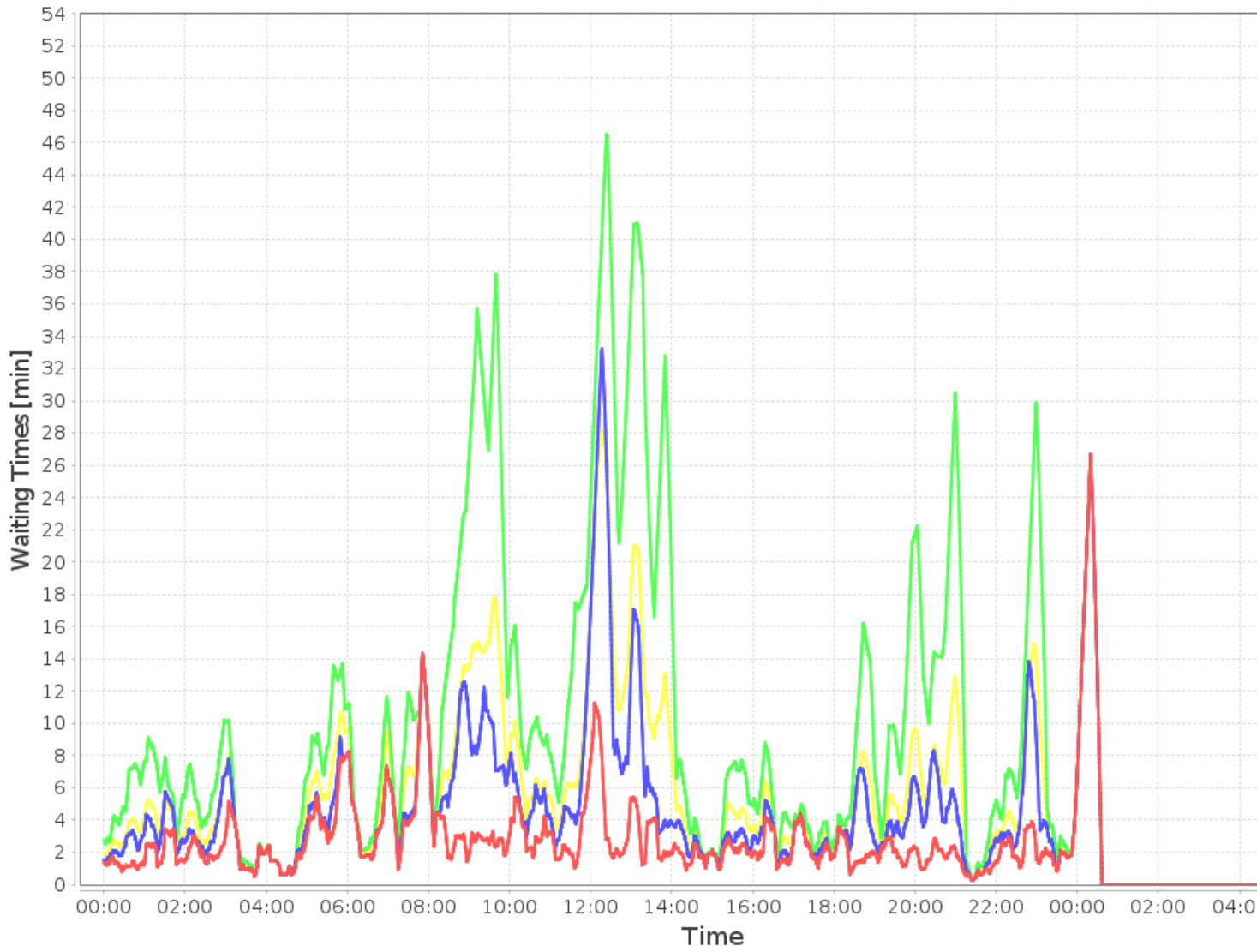
10.0% quantile: 00:02:45  
50.0% quantile: 00:06:35  
95.0% quantile: 00:25:56  
Mean: 00:09:08  
Maximum: 00:54:04

# Number of Requests per Wait Time

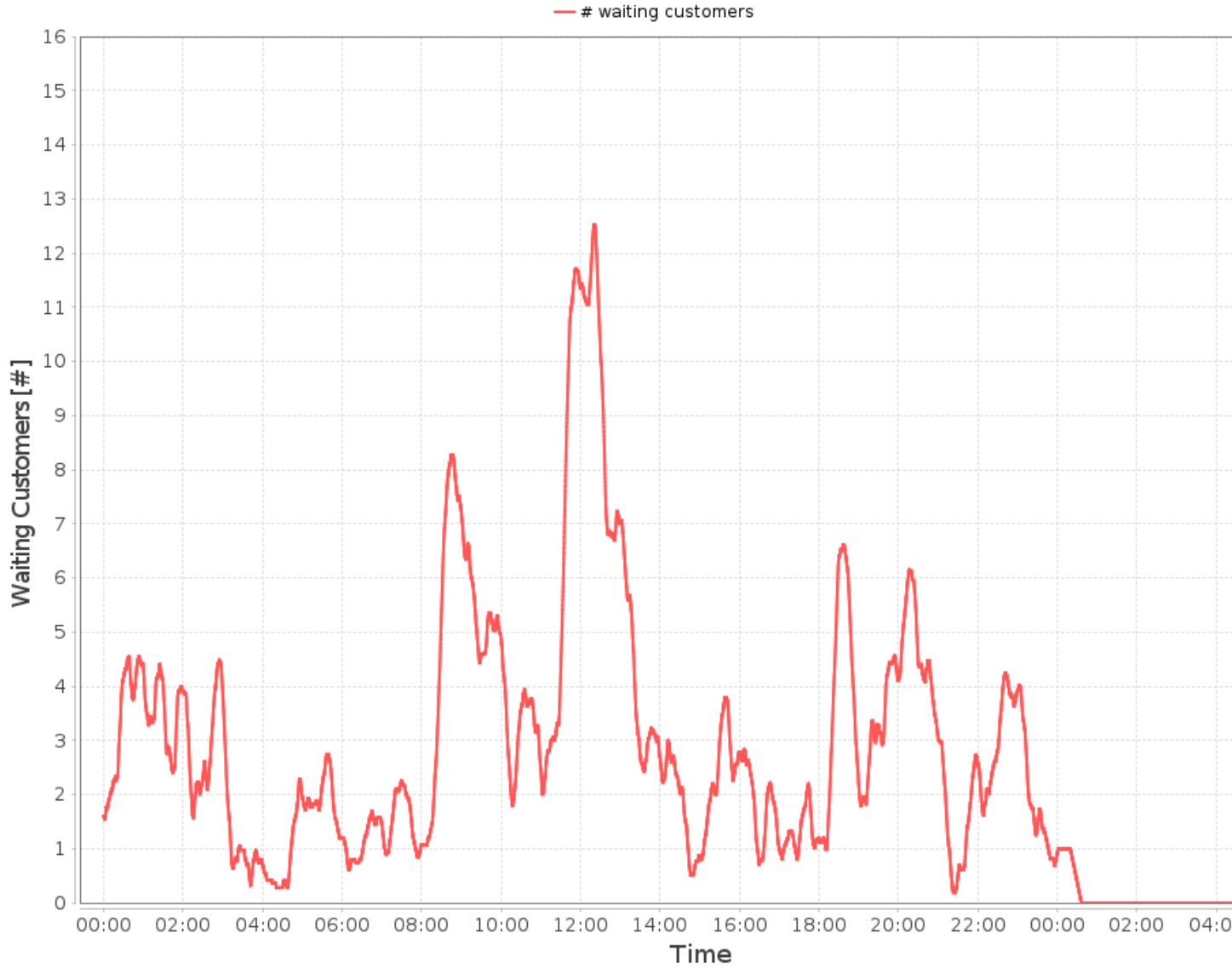


# Binned Waiting Times

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



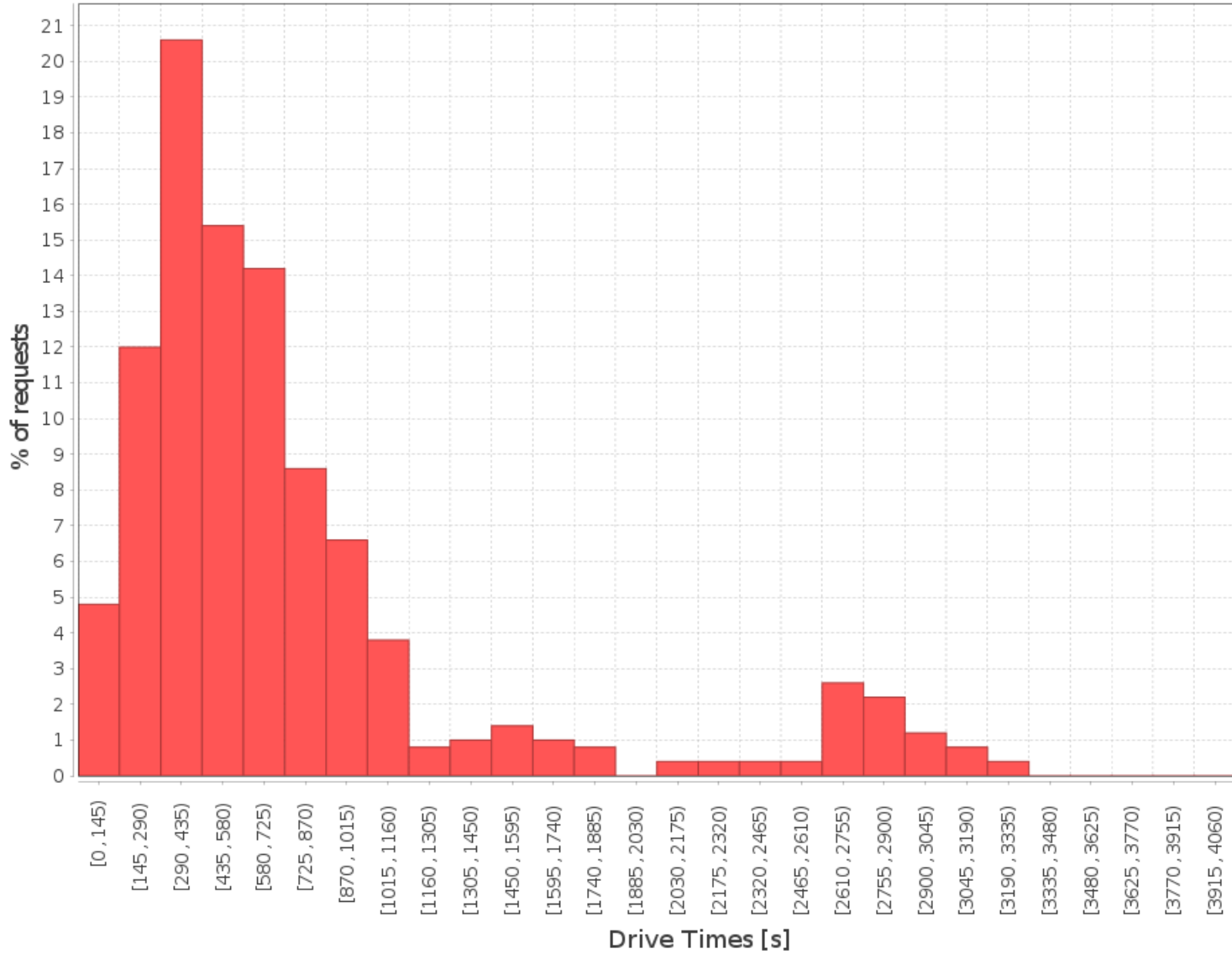
# Waiting Customers per Day Time



## 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 |

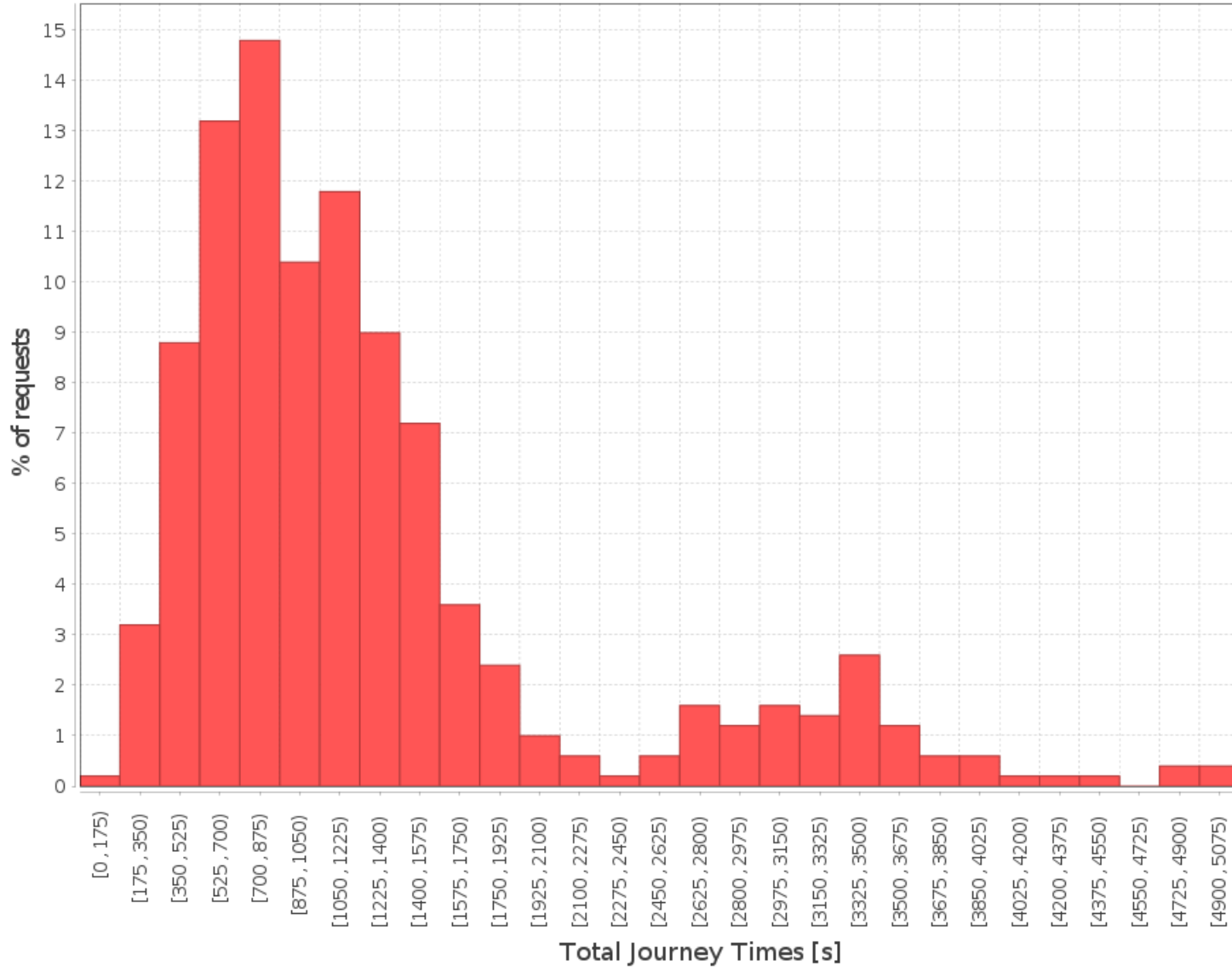
## Number of Requests per Drive Time



### Total Journey Times

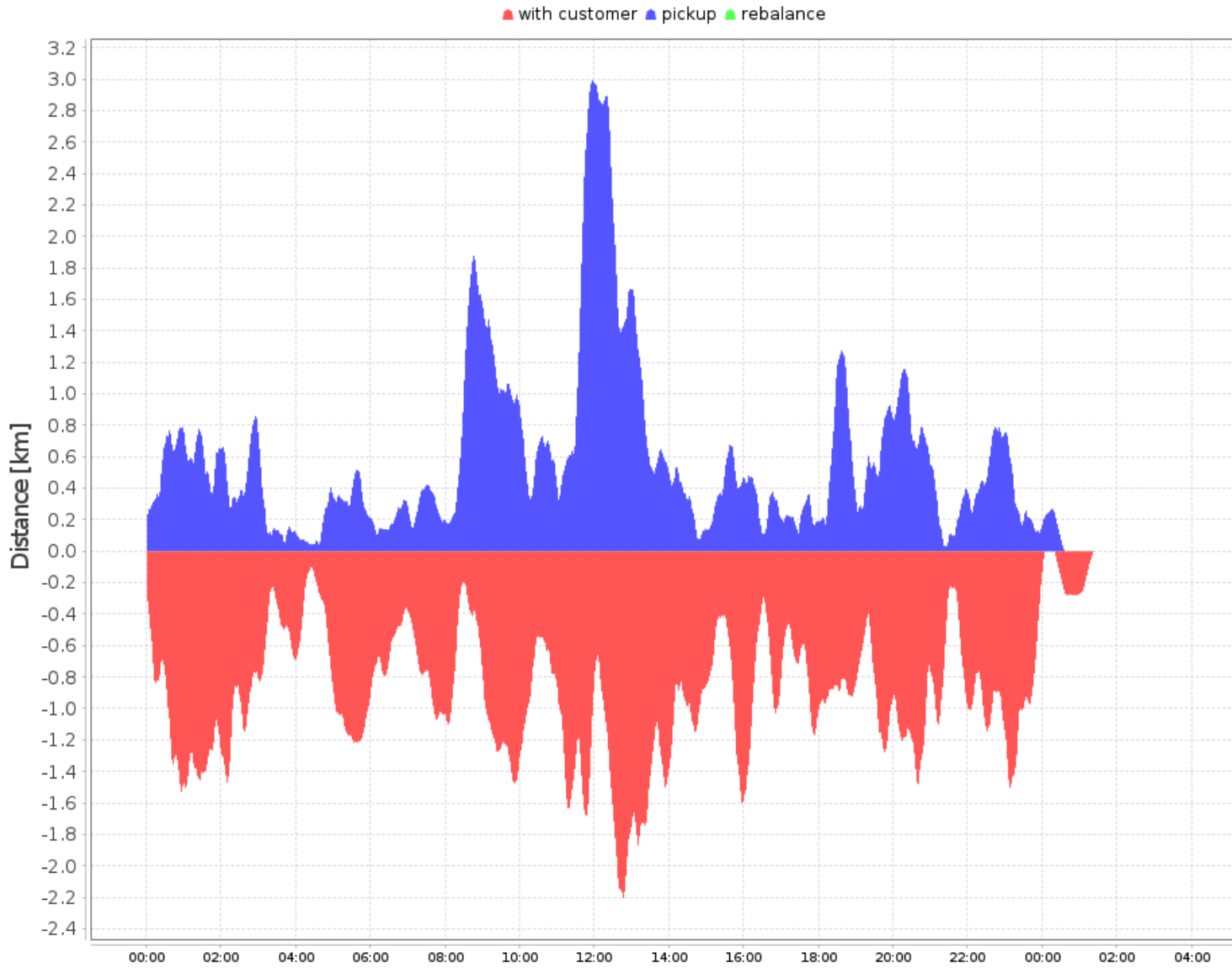
|                |          |
|----------------|----------|
| 10.0% quantile | 00:08:14 |
| 50.0% quantile | 00:17:23 |
| 95.0% quantile | 00:57:16 |
| Mean           | 00:21:59 |
| Maximum:       | 01:27:43 |

# Number of Requests per Total Journey Time



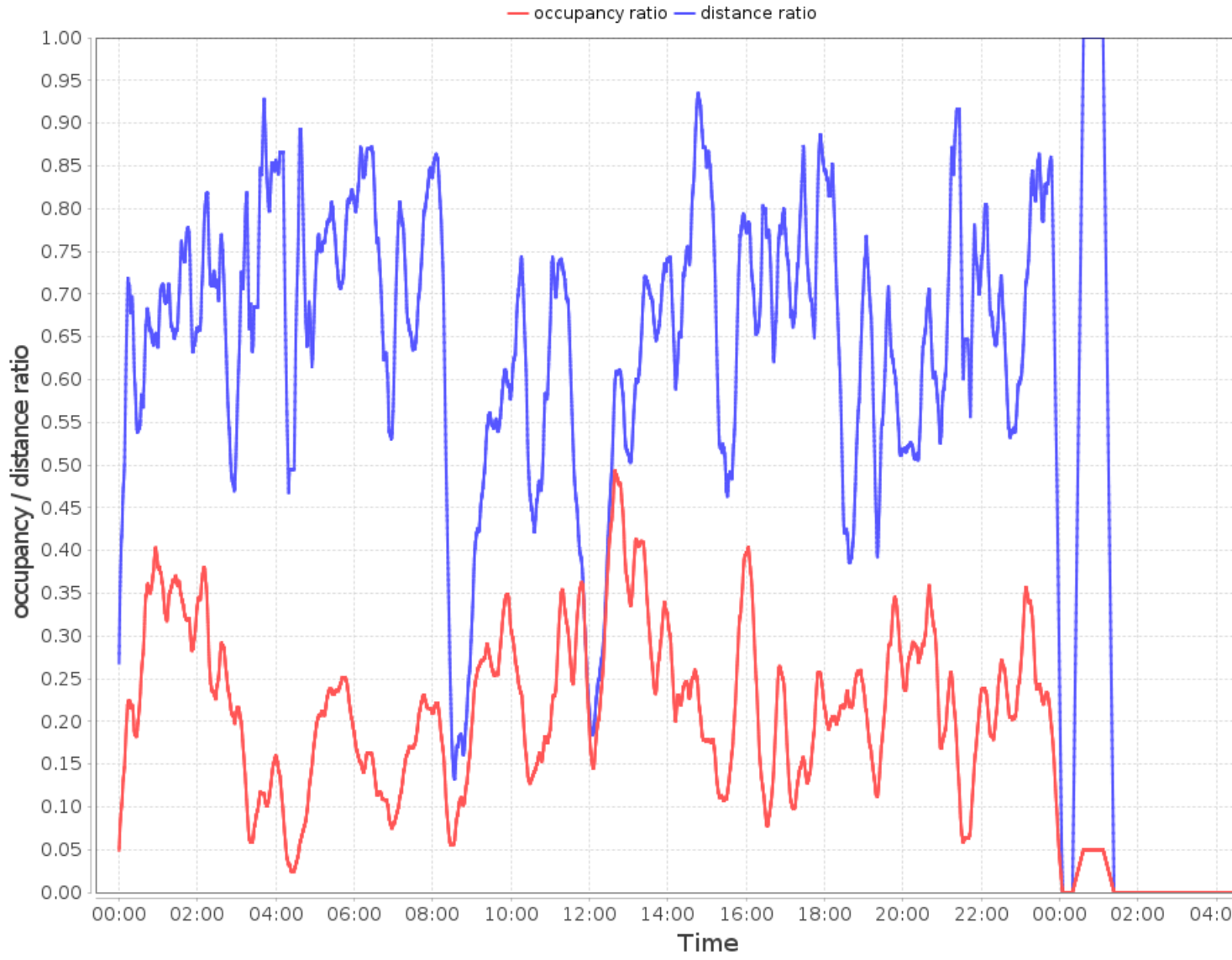
# Fleet Efficiency

## Distance Distribution over Day

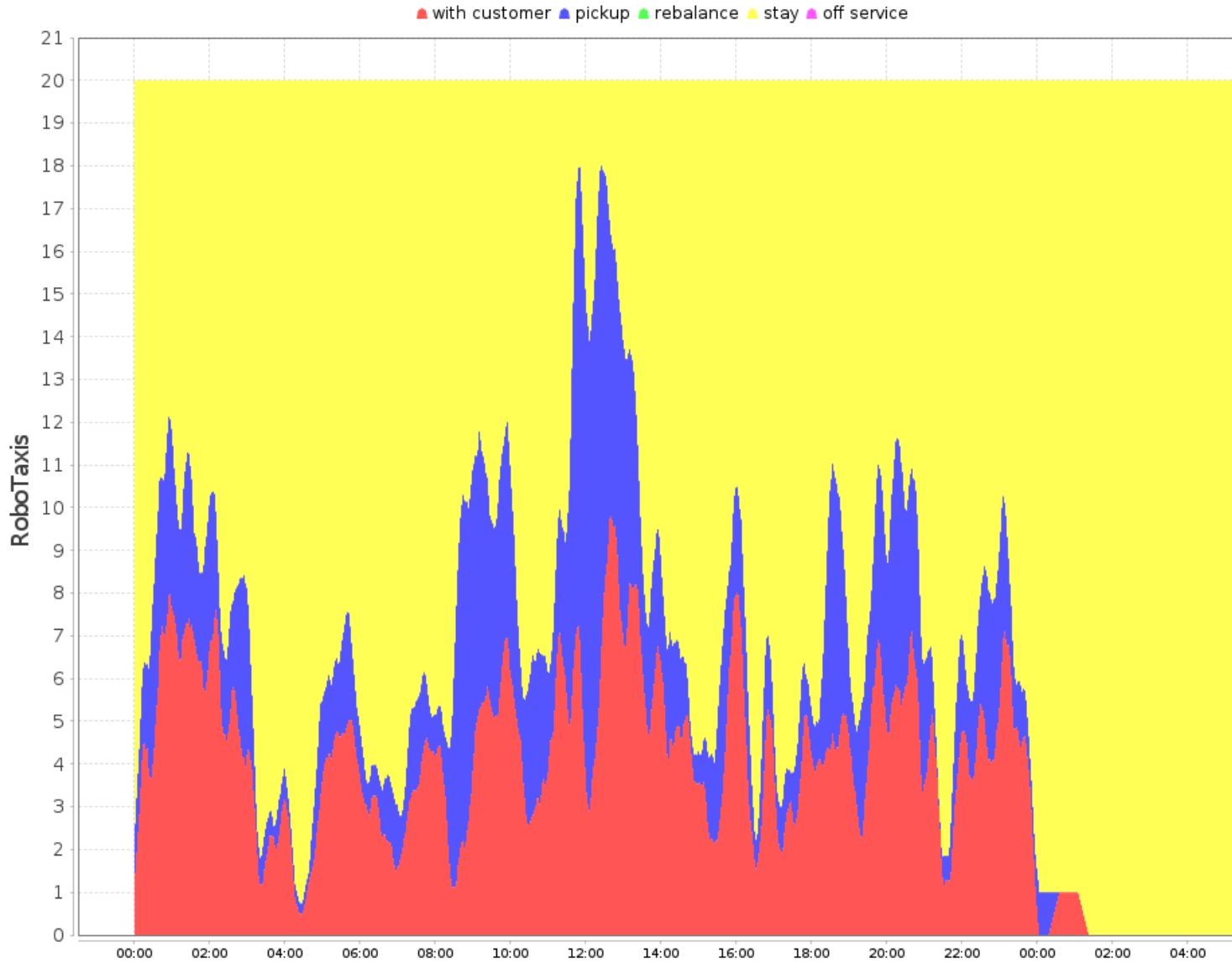




# Occupancy and Distance Ratios



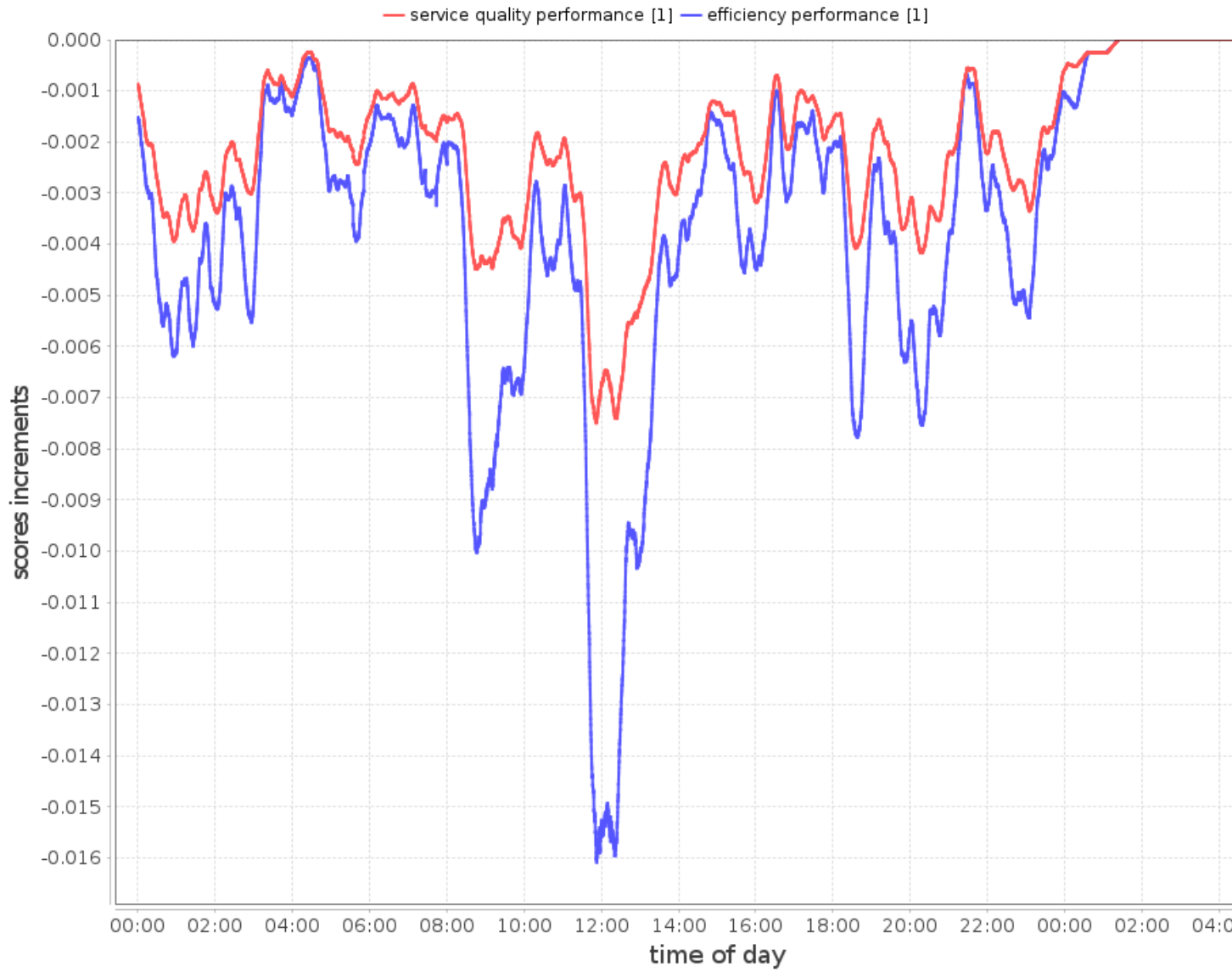
## Status Distribution



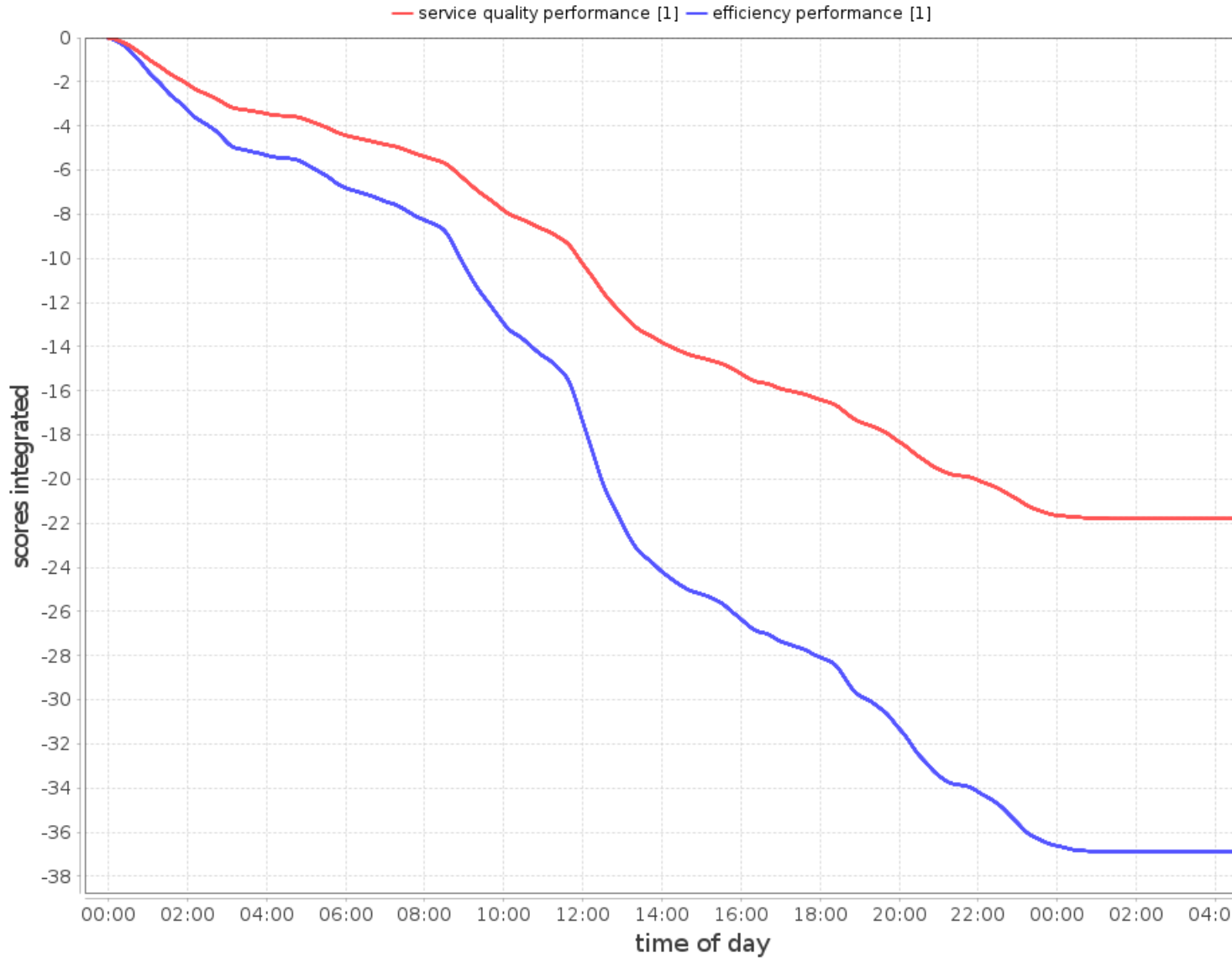
## Aido Scores

Scores during Simulation

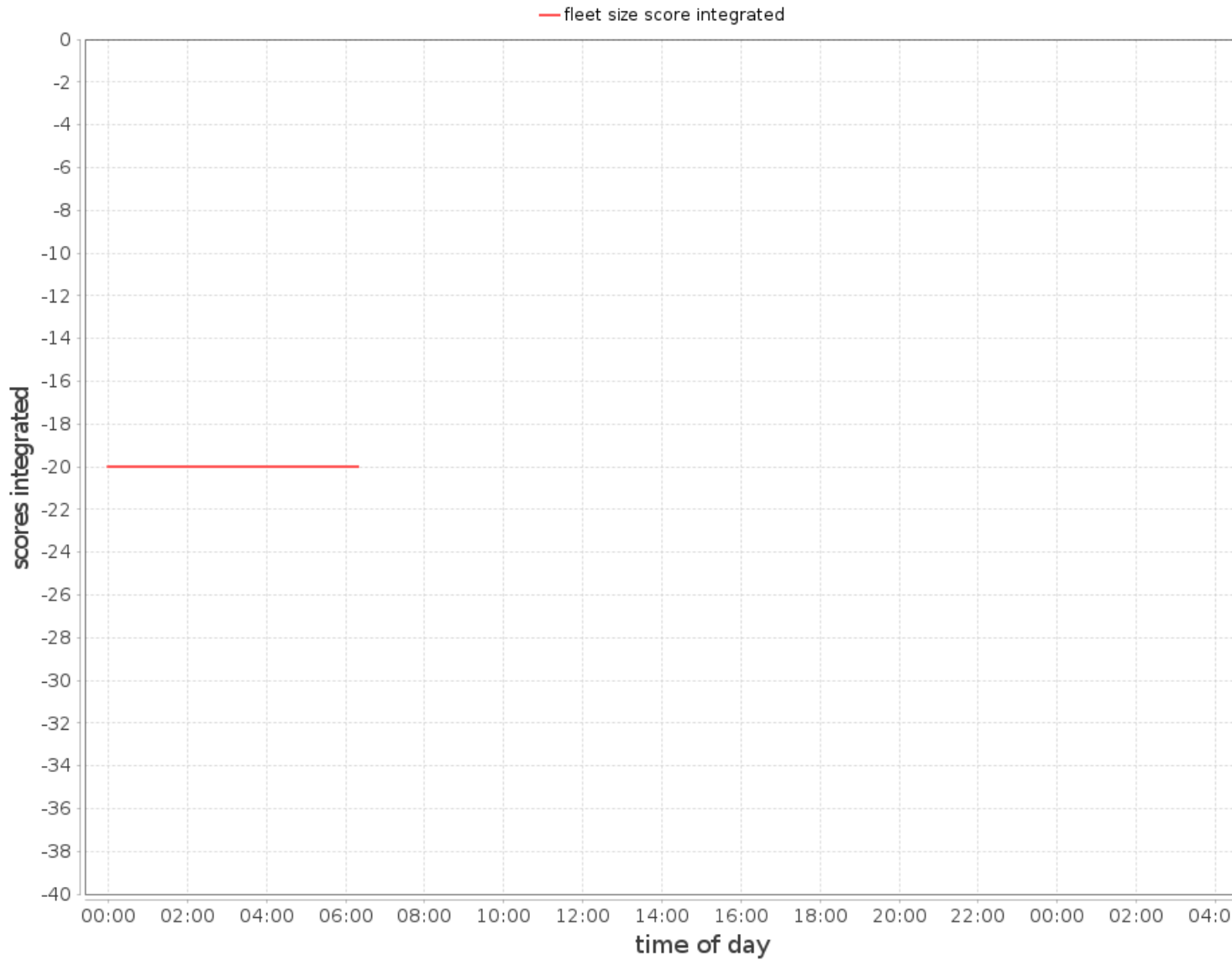
# Service Quality and Efficiency Score Increments



# Service Quality and Efficiency Score Integrated



# Fleet Size Score Integrated



## Final Scores

final service quality score: -21.801952916492457  
final efficiency score: -36.896571665968345  
final fleet size score: -Infinity

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