



# AMoDeus Simulation Report

## Simulation Information

User: root  
Timestamp: 2018/11/24 - 09:59:15  
  
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

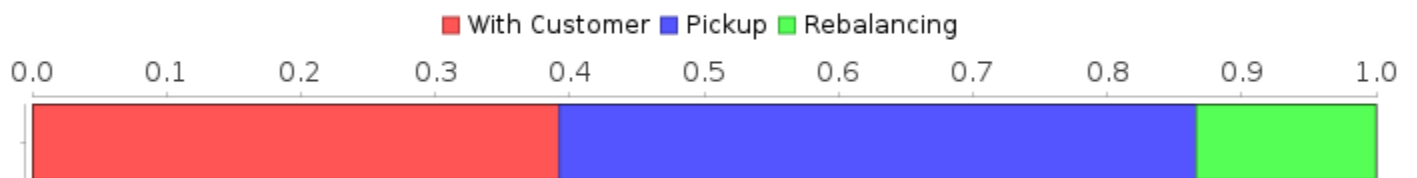
Distance Ratio: 39.25%  
Occupancy Ratio: 17.87 %

## Distances

Total: 20883.33 km  
Rebalancing: 2789.42 km (13.36%)  
Pickup: 9897.14 km (47.39%)  
With Customer: 8196.77 km (39.25%)

Average Trip Distance: 16.39 km

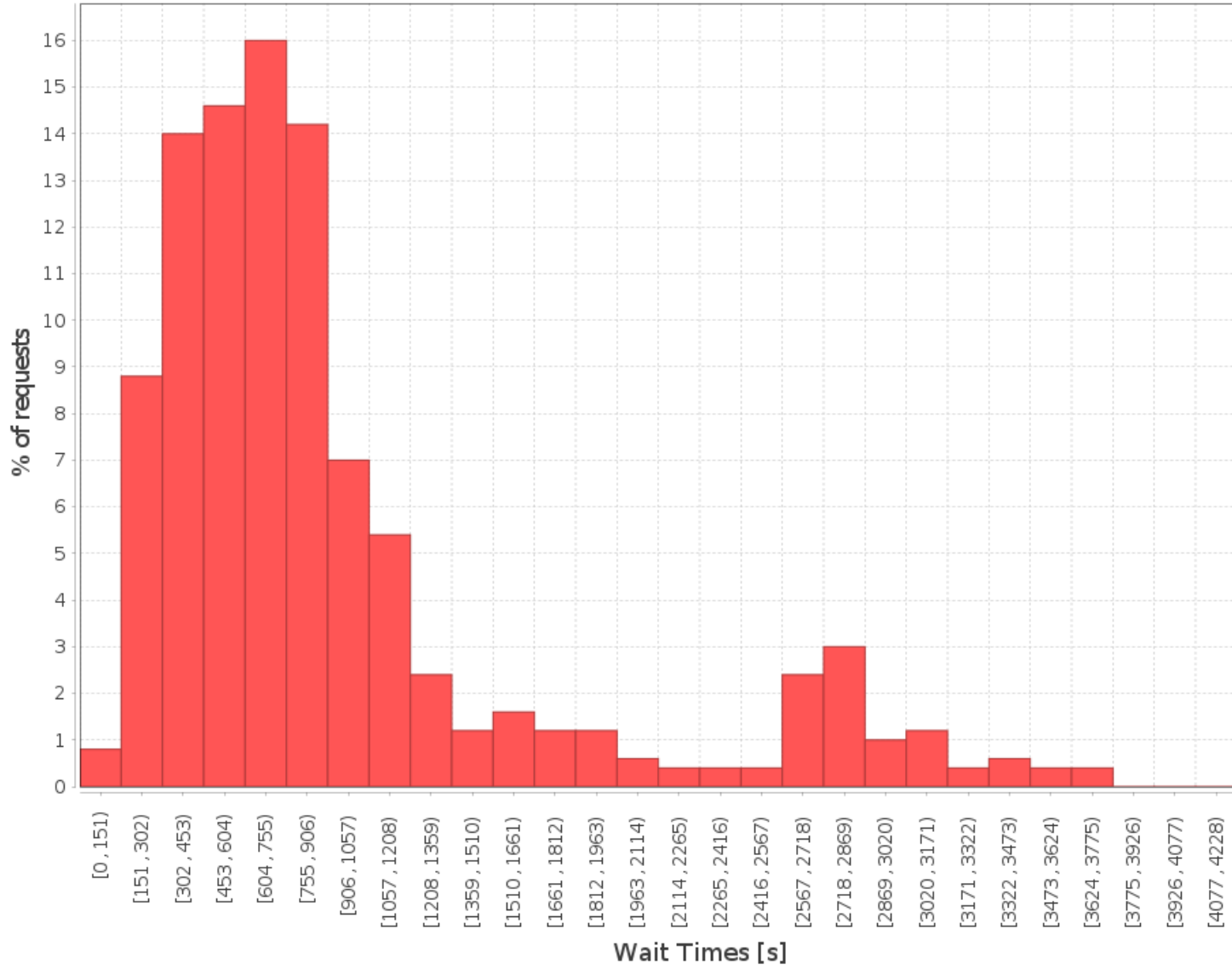
## Total Distance Distribution



## Wait Times

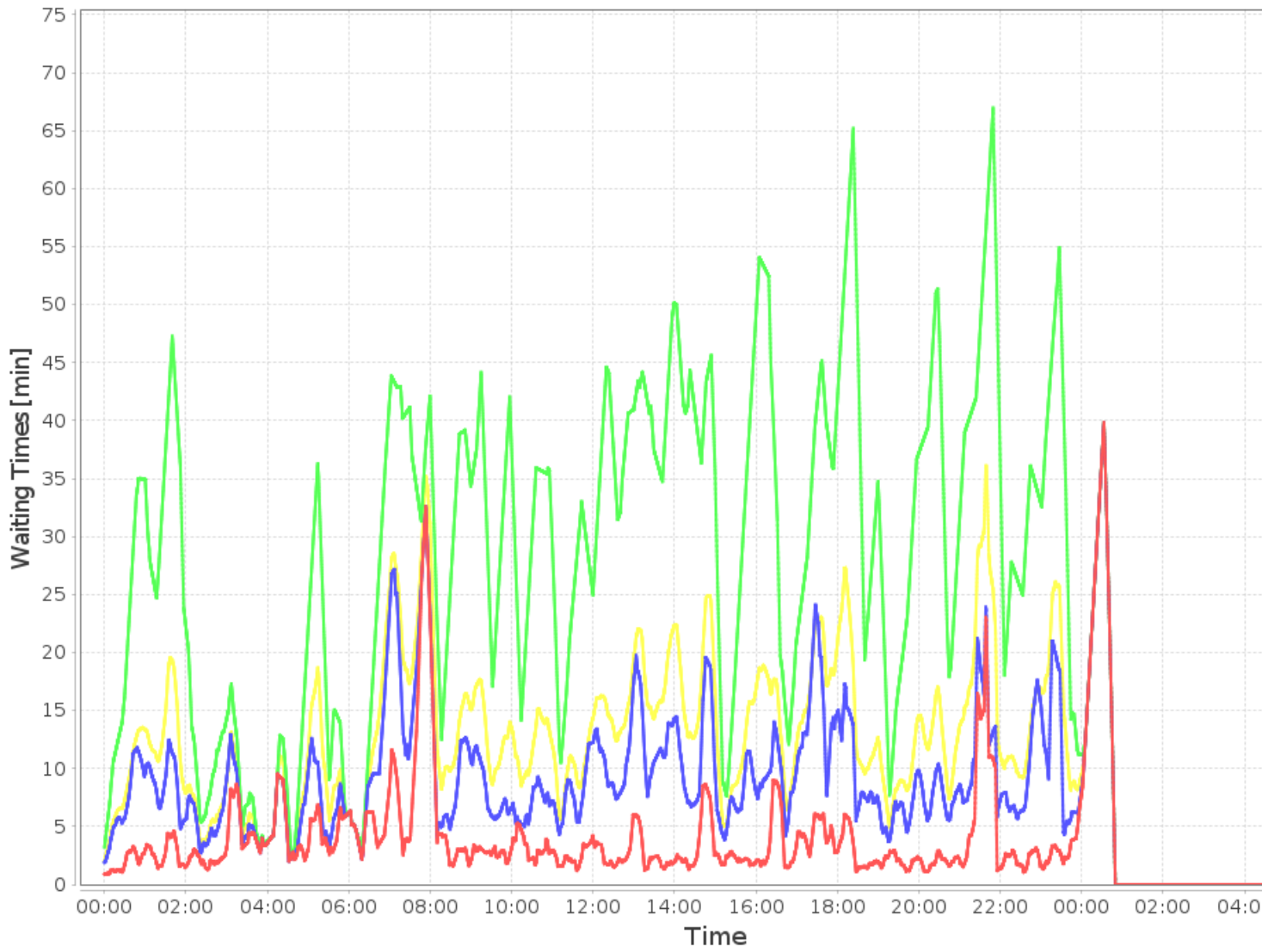
10.0% quantile 00:05:03  
50.0% quantile 00:11:55  
95.0% quantile 00:47:25  
Mean 00:15:57  
Maximum: 01:15:28

# Number of Requests per Wait Time

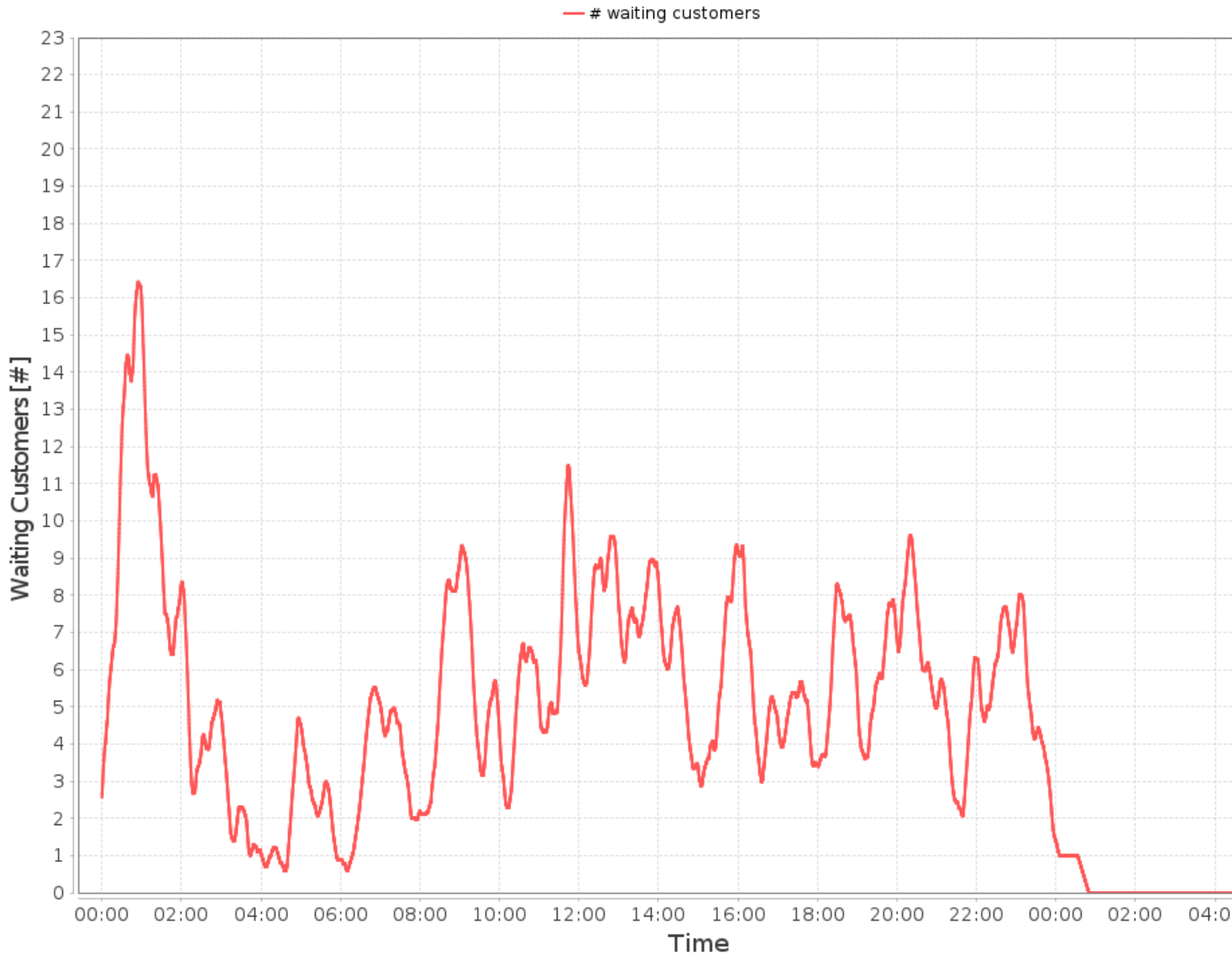


# Binned Waiting Times

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



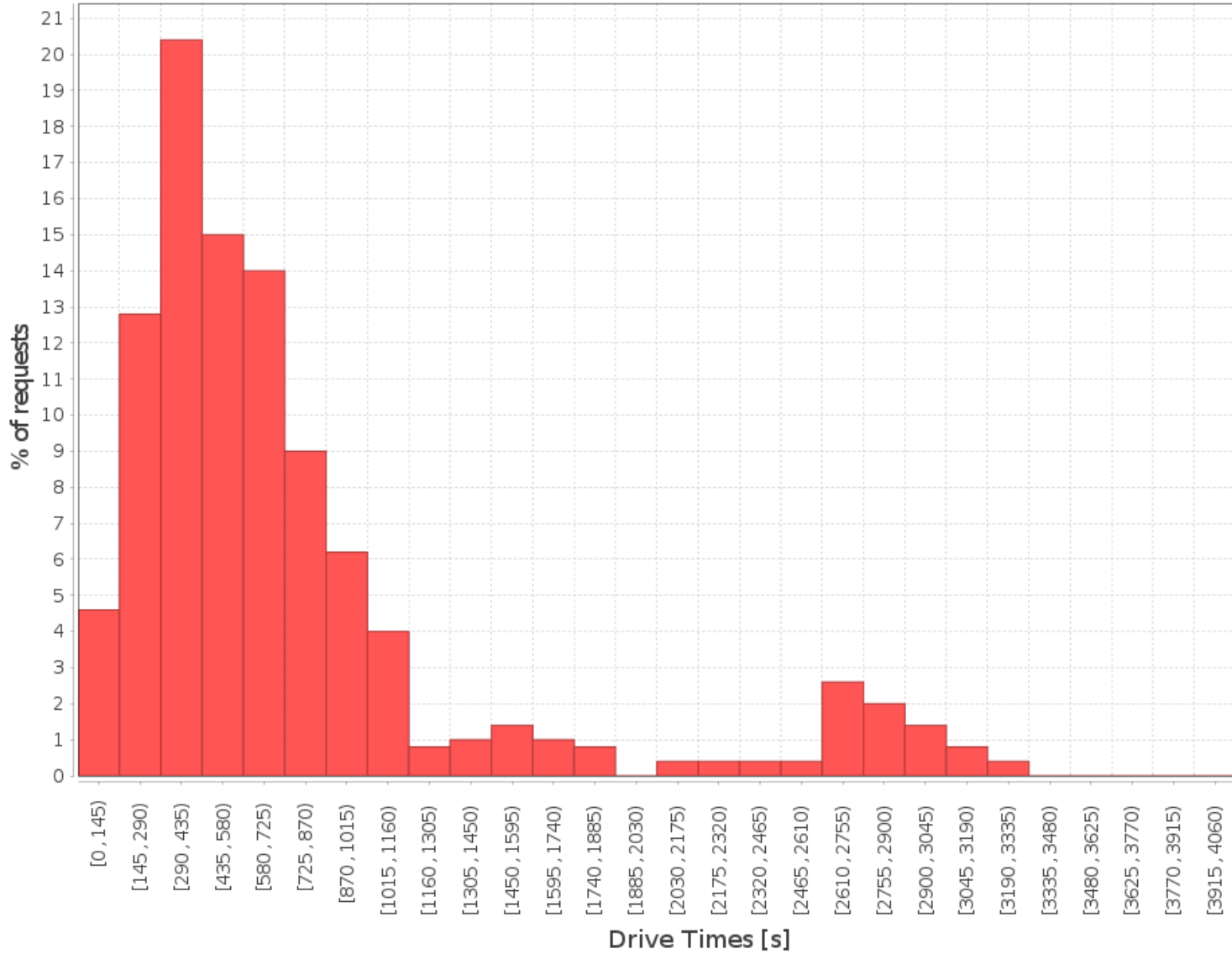
# Waiting Customers per Day Time



## 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 |

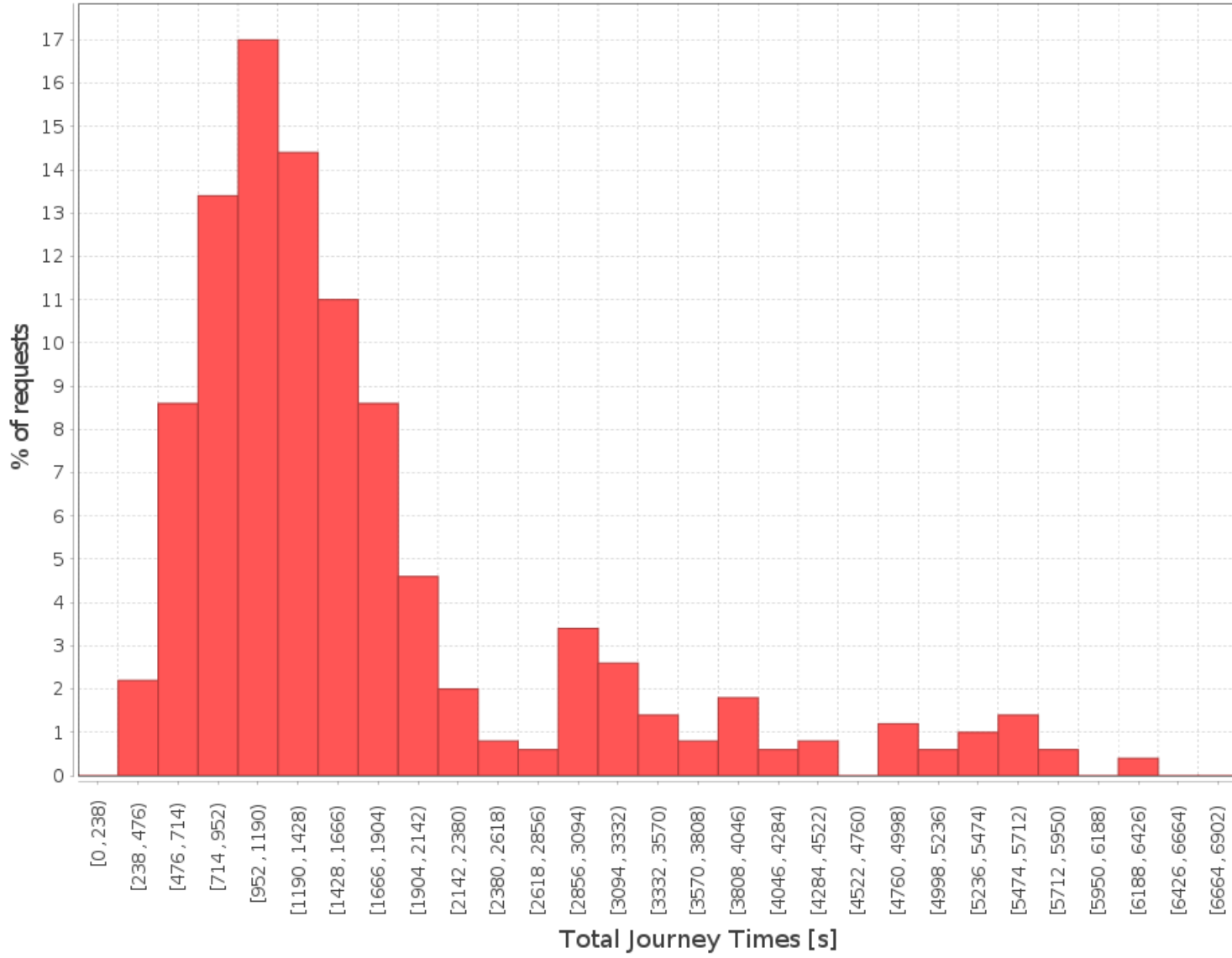
## Number of Requests per Drive Time



### Total Journey Times

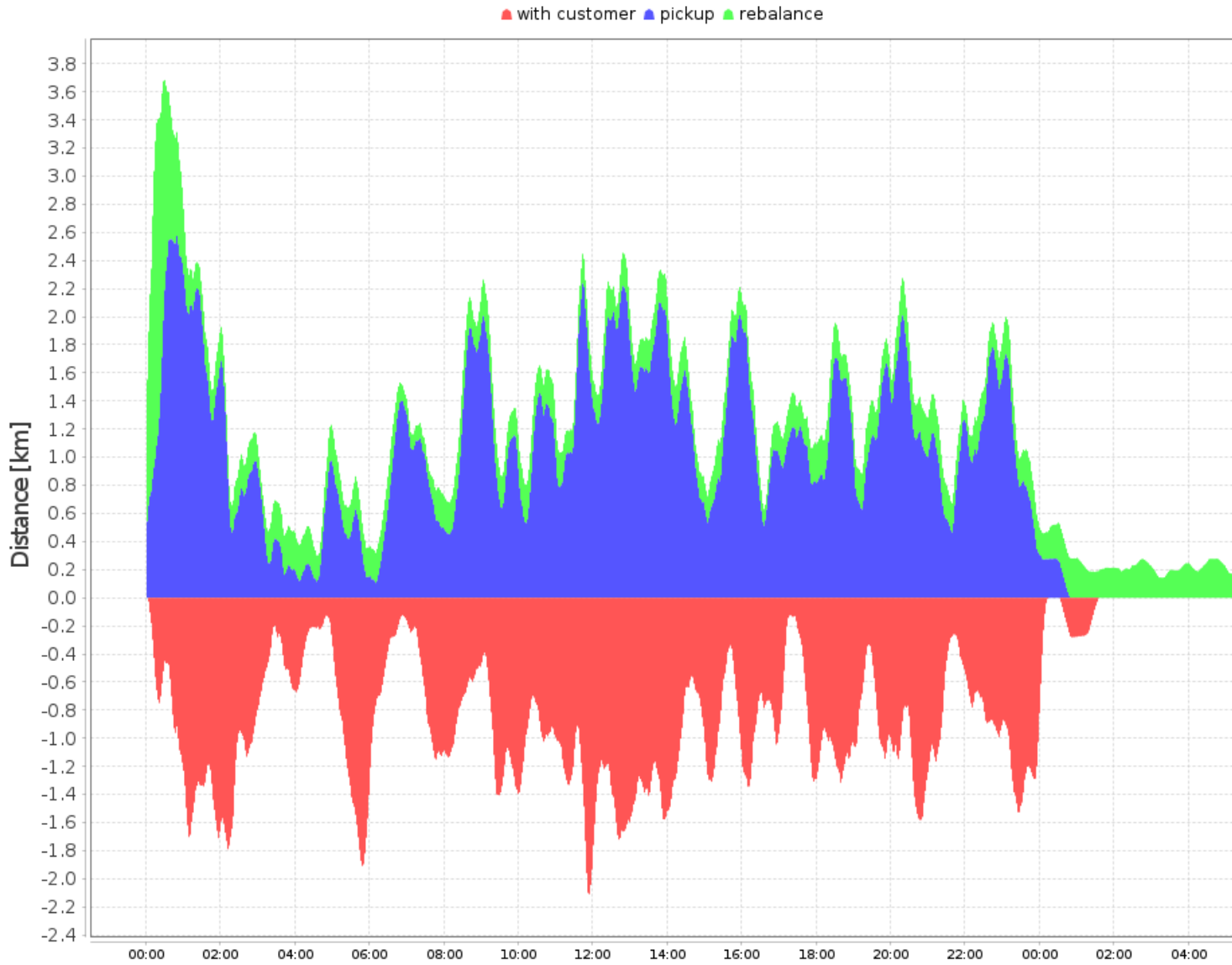
|                |          |
|----------------|----------|
| 10.0% quantile | 00:11:30 |
| 50.0% quantile | 00:22:03 |
| 95.0% quantile | 01:20:58 |
| Mean           | 00:28:48 |
| Maximum:       | 01:59:06 |

# Number of Requests per Total Journey Time



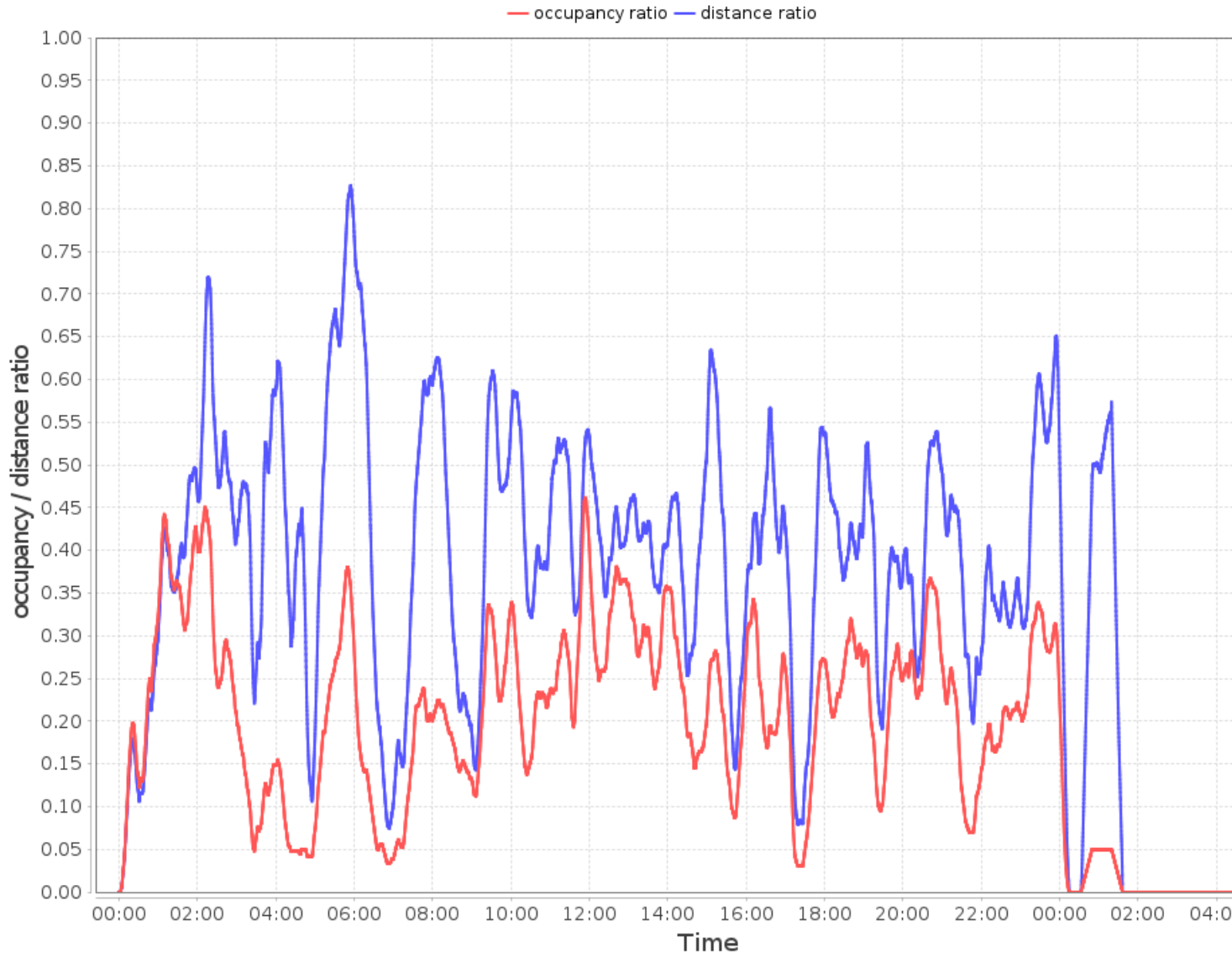
# Fleet Efficiency

## Distance Distribution over Day

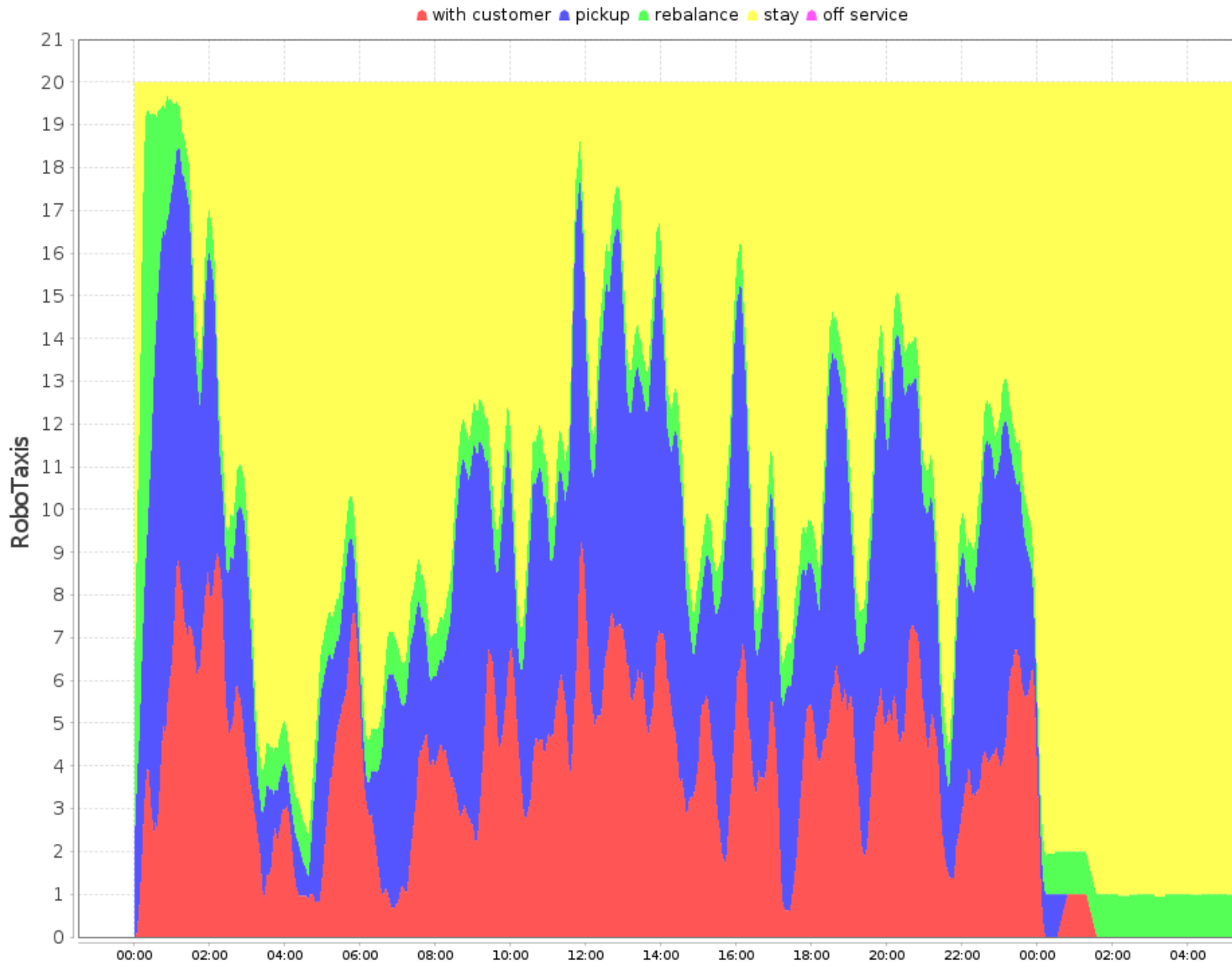




# Occupancy and Distance Ratios



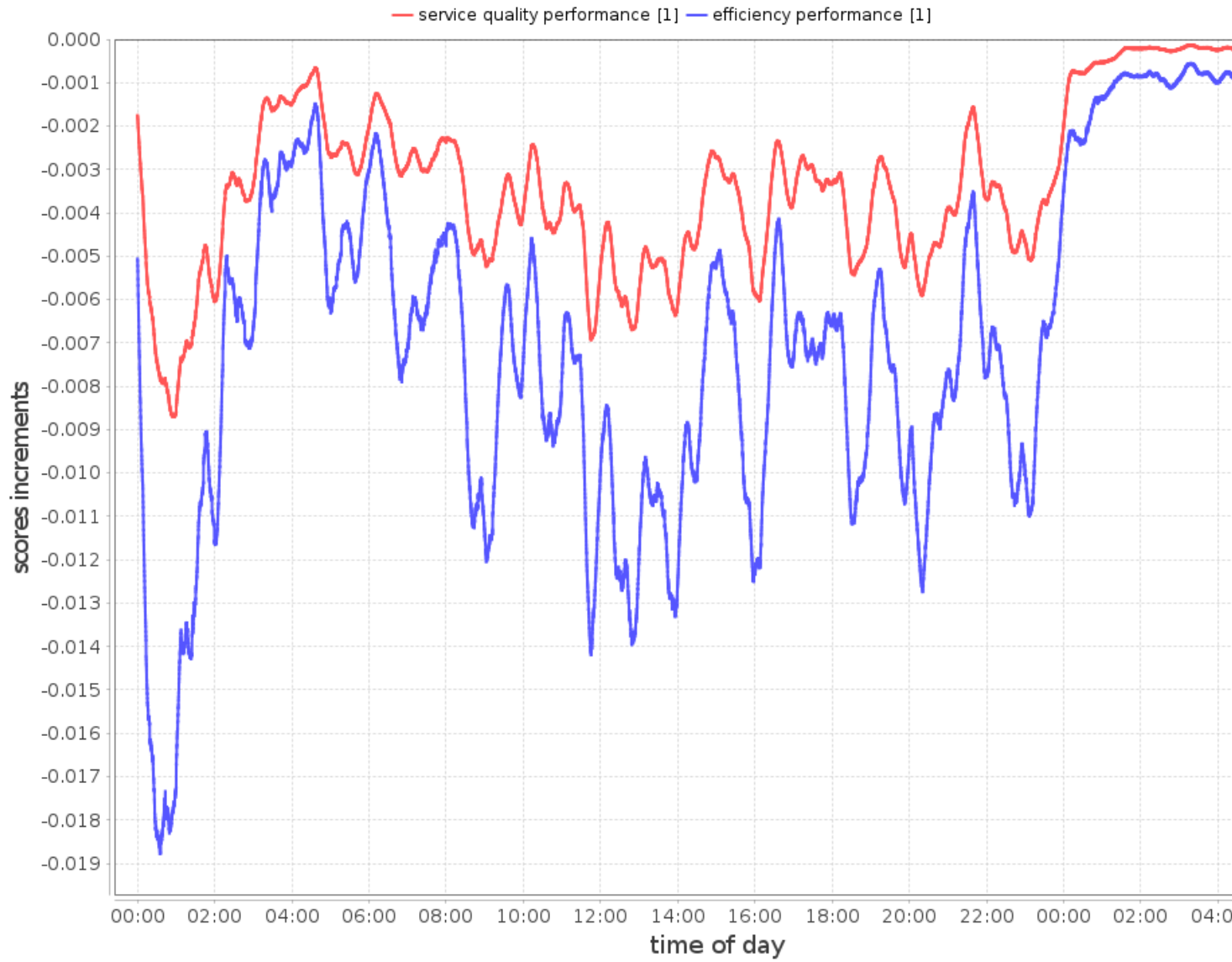
## Status Distribution



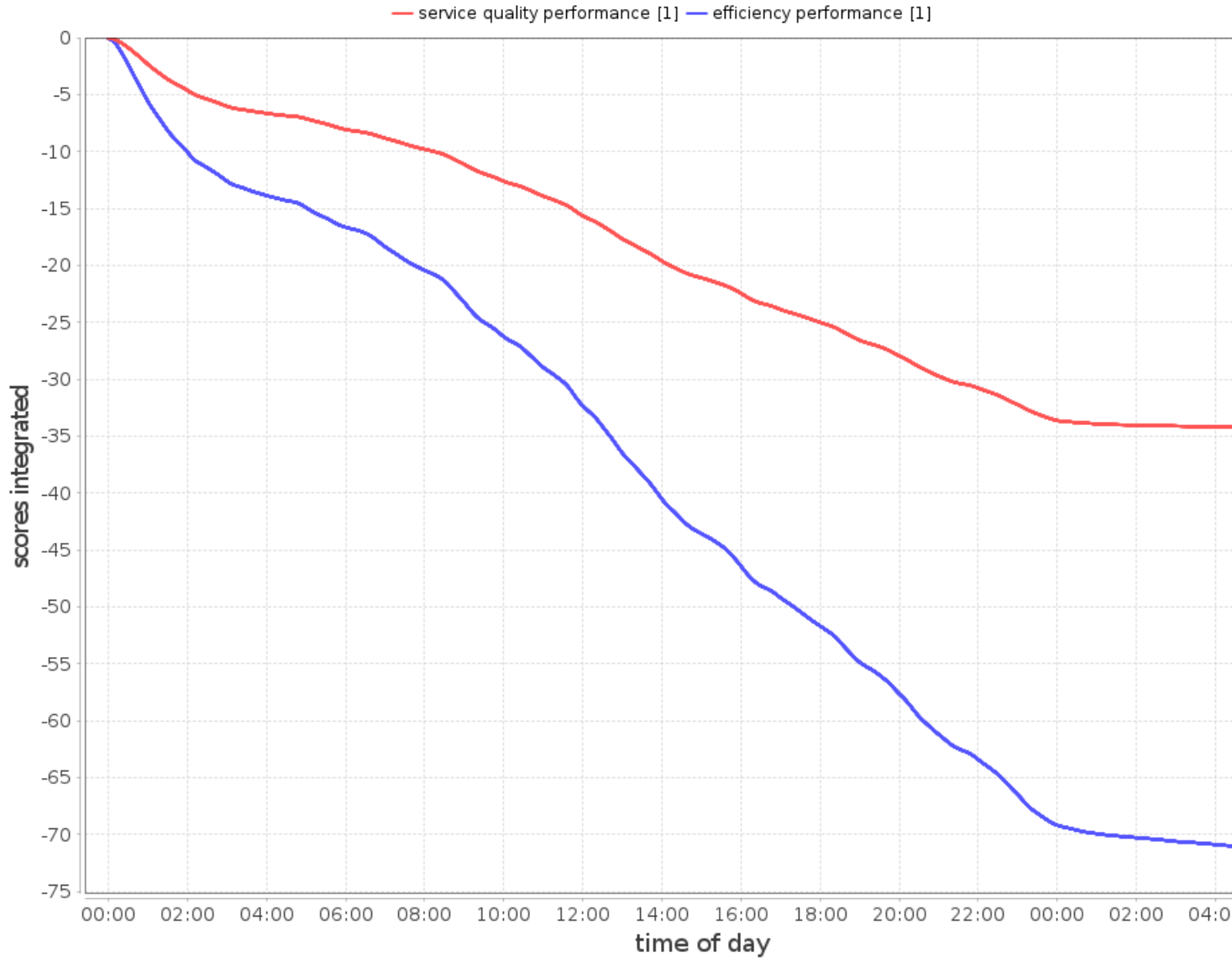
## Aido Scores

### Scores during Simulation

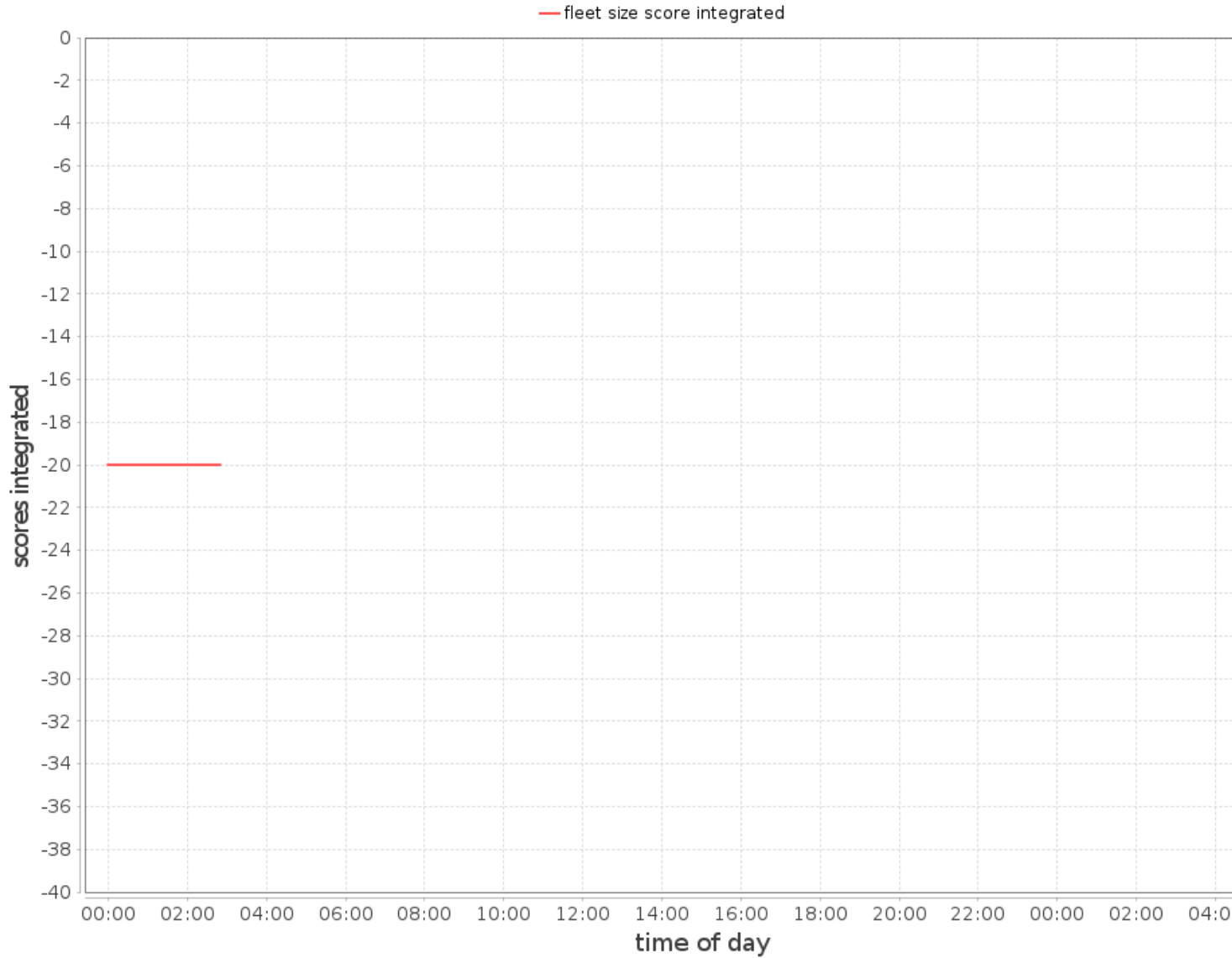
# Service Quality and Efficiency Score Increments



# Service Quality and Efficiency Score Integrated



# Fleet Size Score Integrated



## Final Scores

final service quality score: -34.353026747770066  
final efficiency score: -71.54442699108064  
final fleet size score: -Infinity

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