



# AMoDeus Simulation Report

## Simulation Information

User: root  
Timestamp: 2018/12/01 - 21:42:15  
  
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

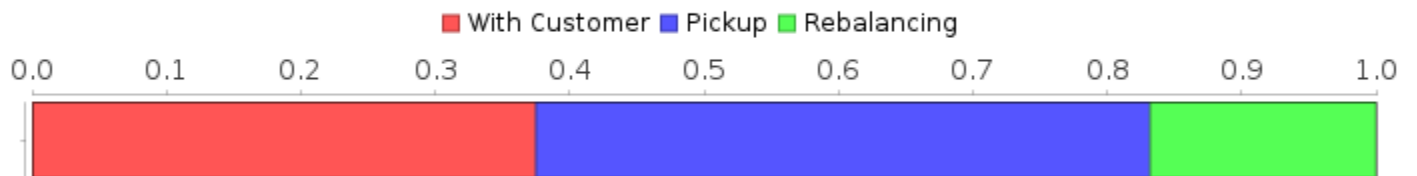
Distance Ratio: 37.51%  
Occupancy Ratio: 17.87 %

## Distances

Total: 21856.84 km  
Rebalancing: 3669.11 km (16.79%)  
Pickup: 9988.20 km (45.70%)  
With Customer: 8199.53 km (37.51%)

Average Trip Distance: 16.40 km

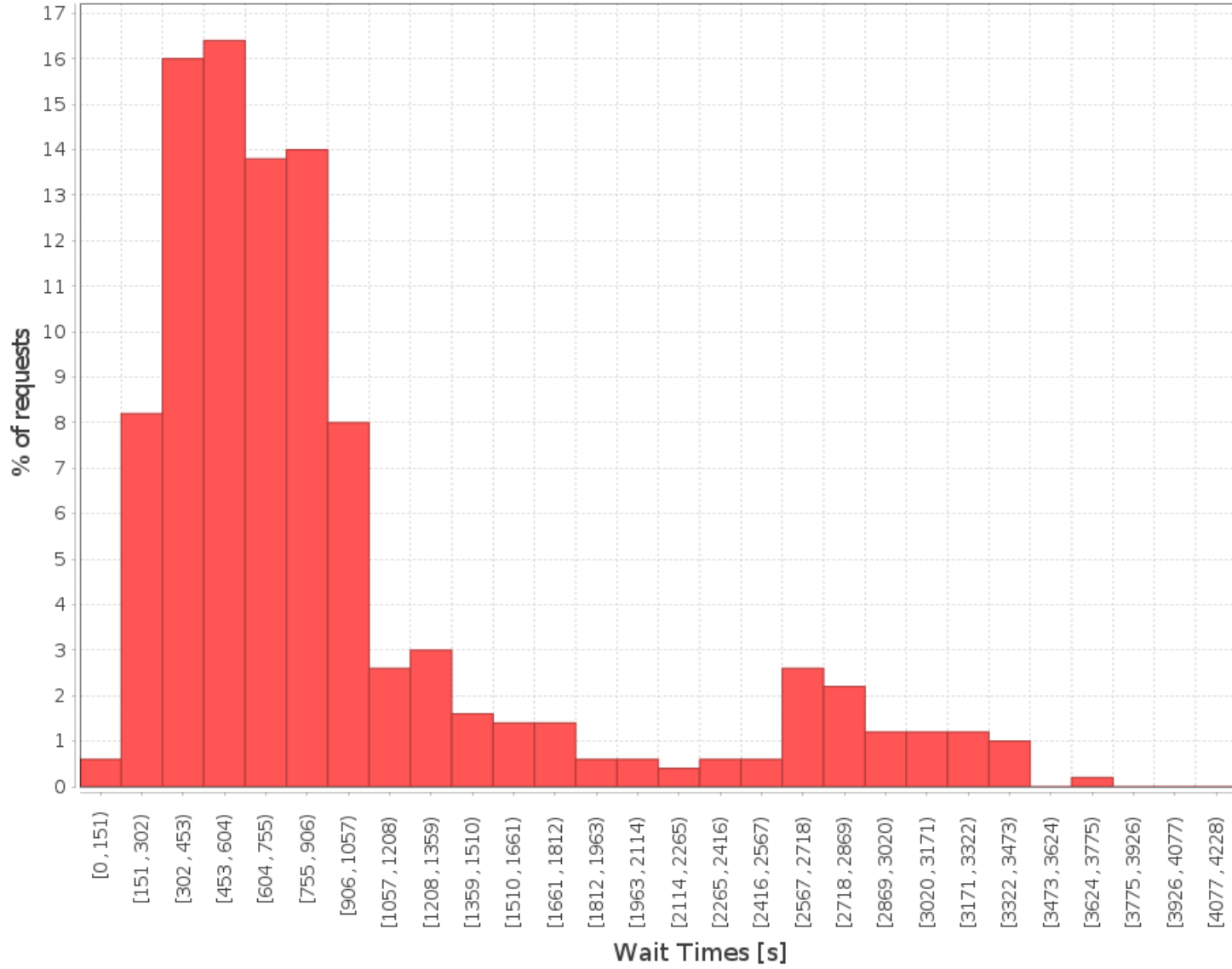
## Total Distance Distribution



## Wait Times

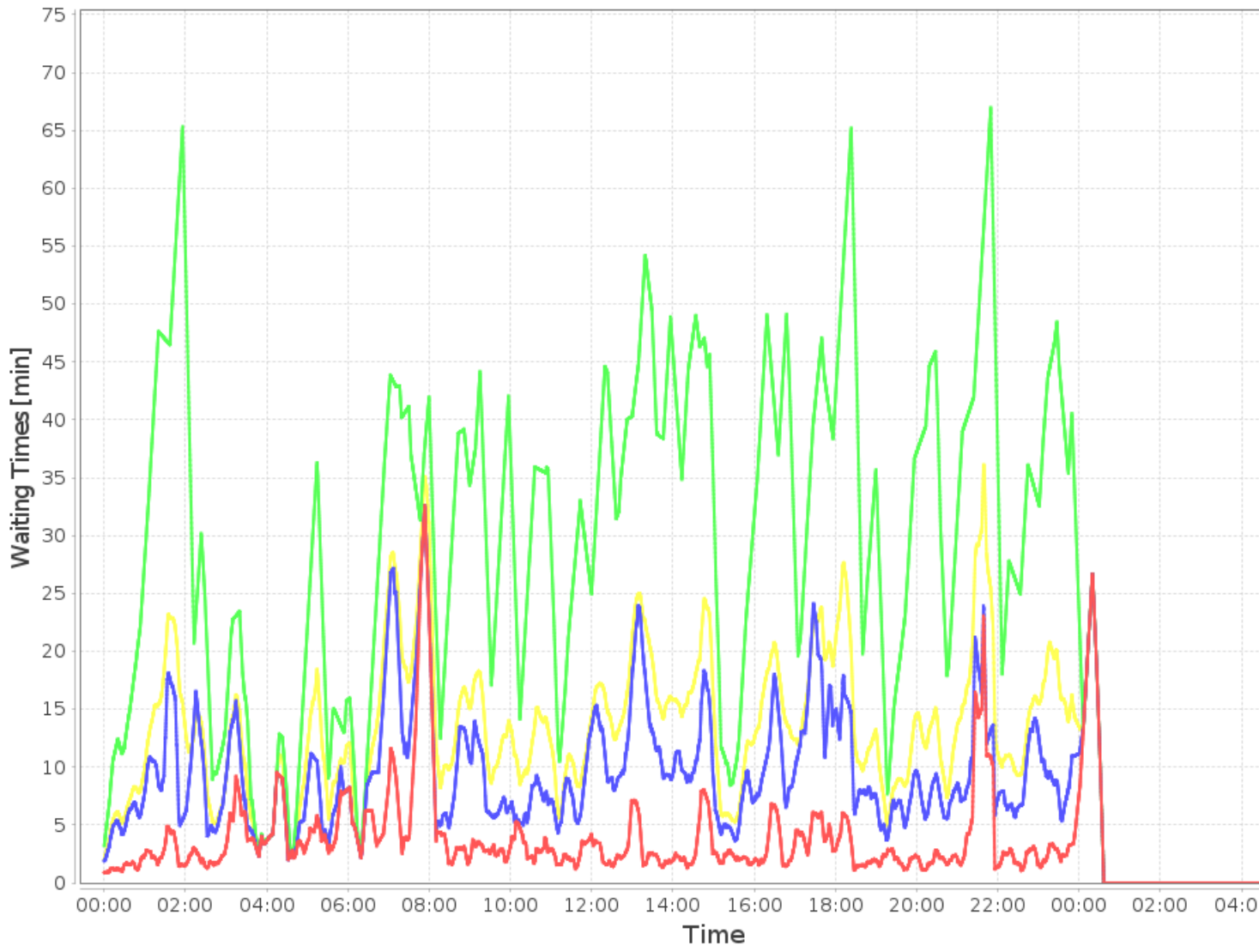
10.0% quantile 00:05:06  
50.0% quantile 00:11:40  
95.0% quantile 00:47:58  
Mean 00:16:02  
Maximum: 01:15:28

# Number of Requests per Wait Time

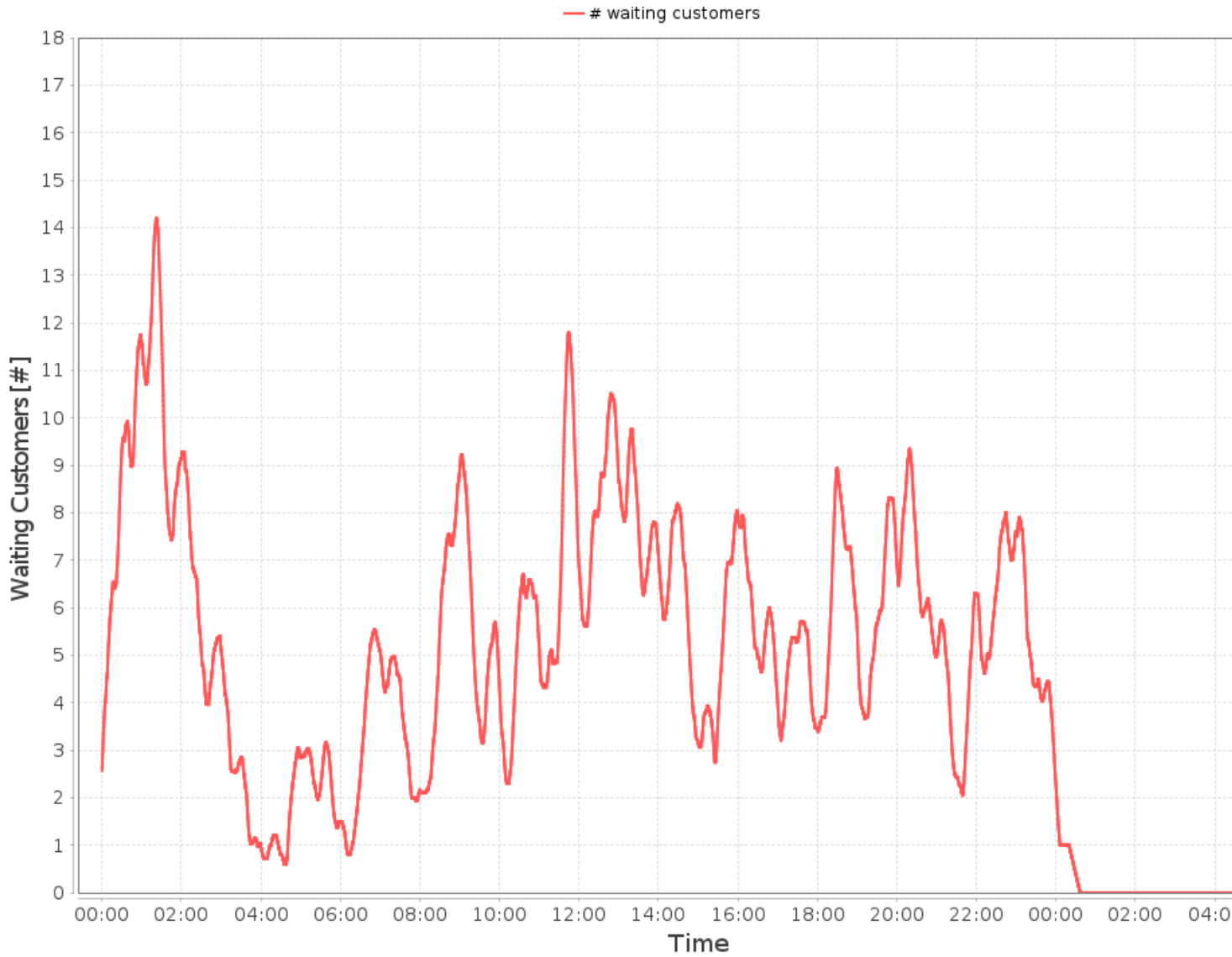


# Binned Waiting Times

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



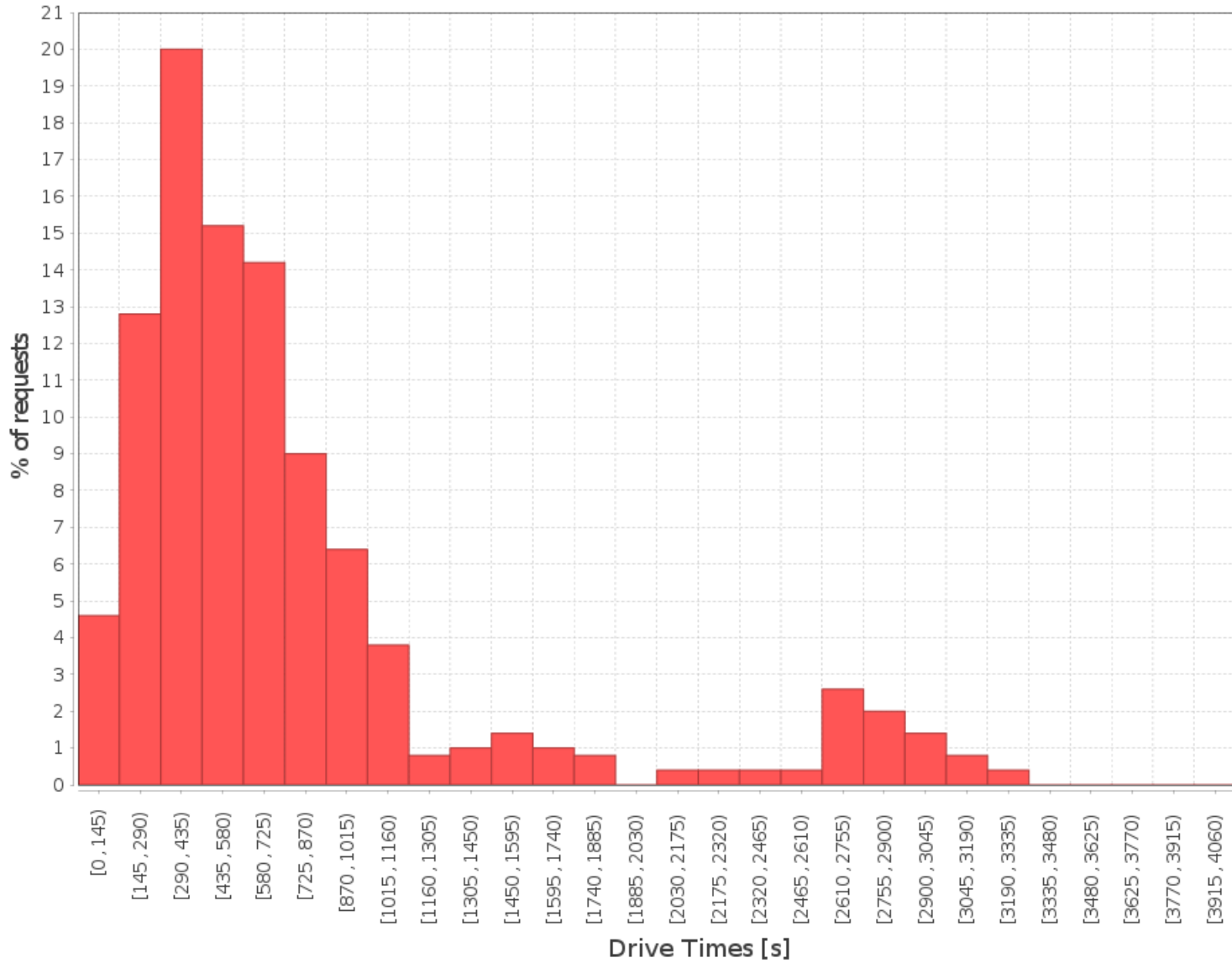
# Waiting Customers per Day Time



## 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

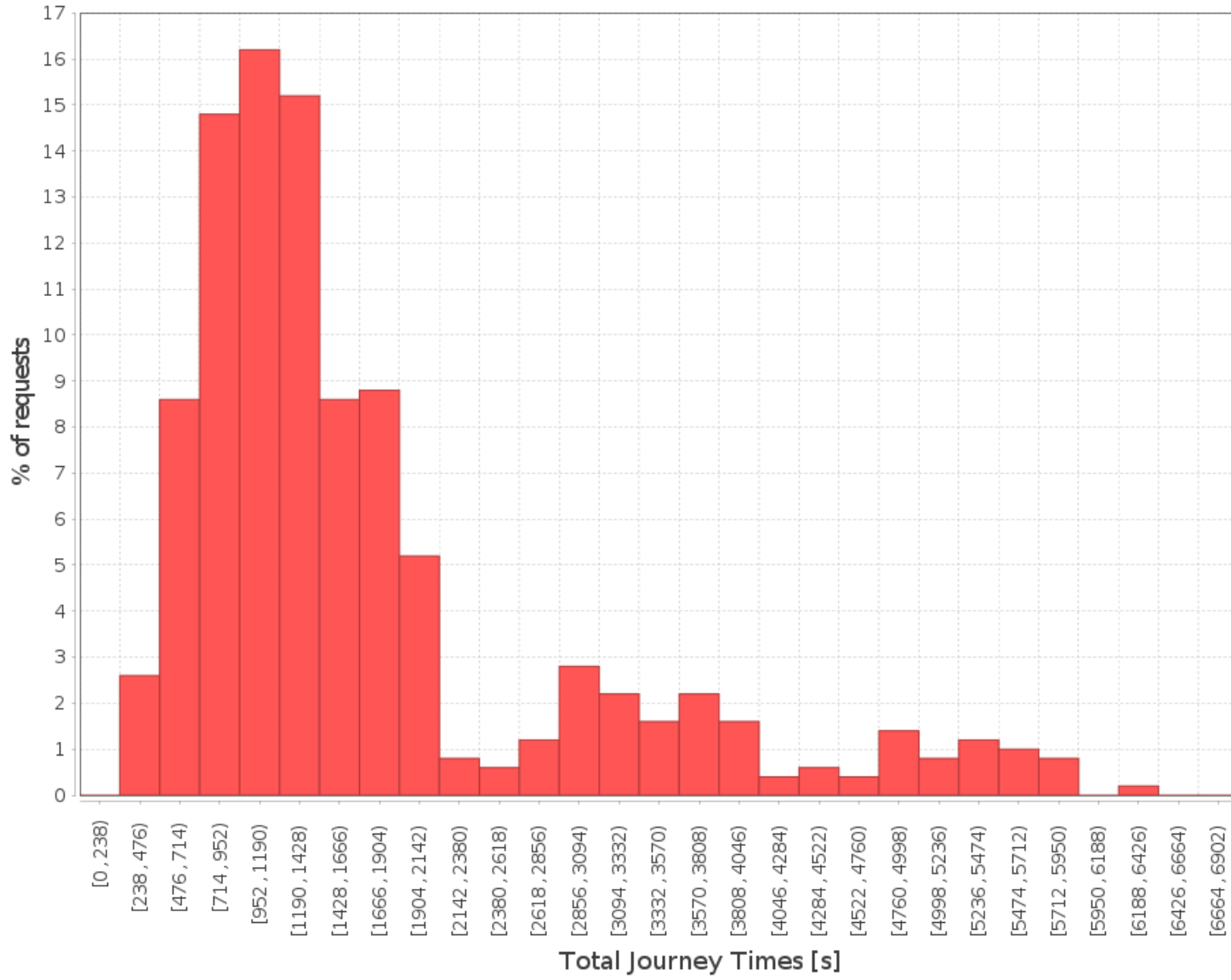
## Number of Requests per Drive Time



### Total Journey Times

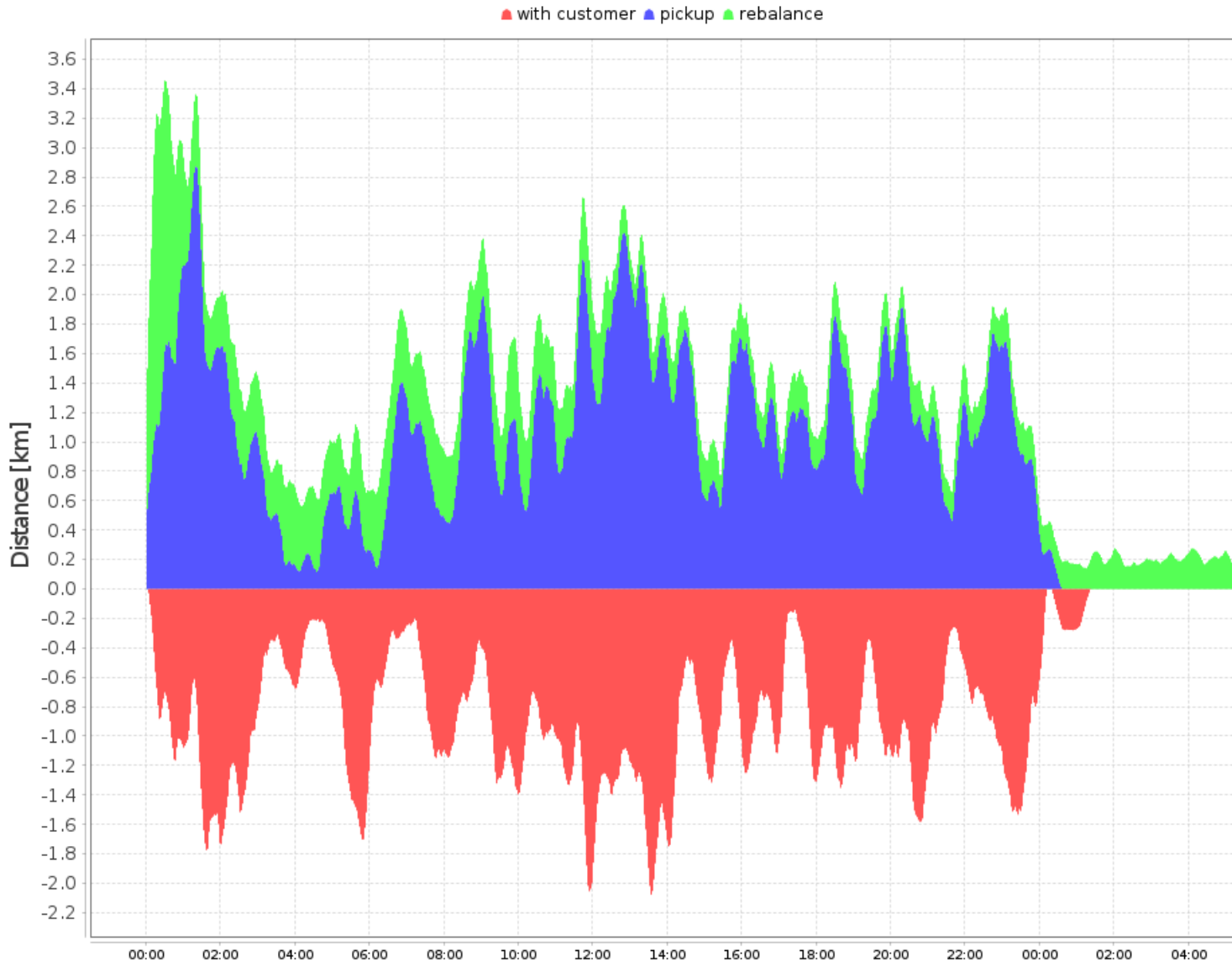
10.0% quantile	00:11:17
50.0% quantile	00:21:46
95.0% quantile	01:21:21
Mean	00:28:54
Maximum:	01:59:06

# Number of Requests per Total Journey Time



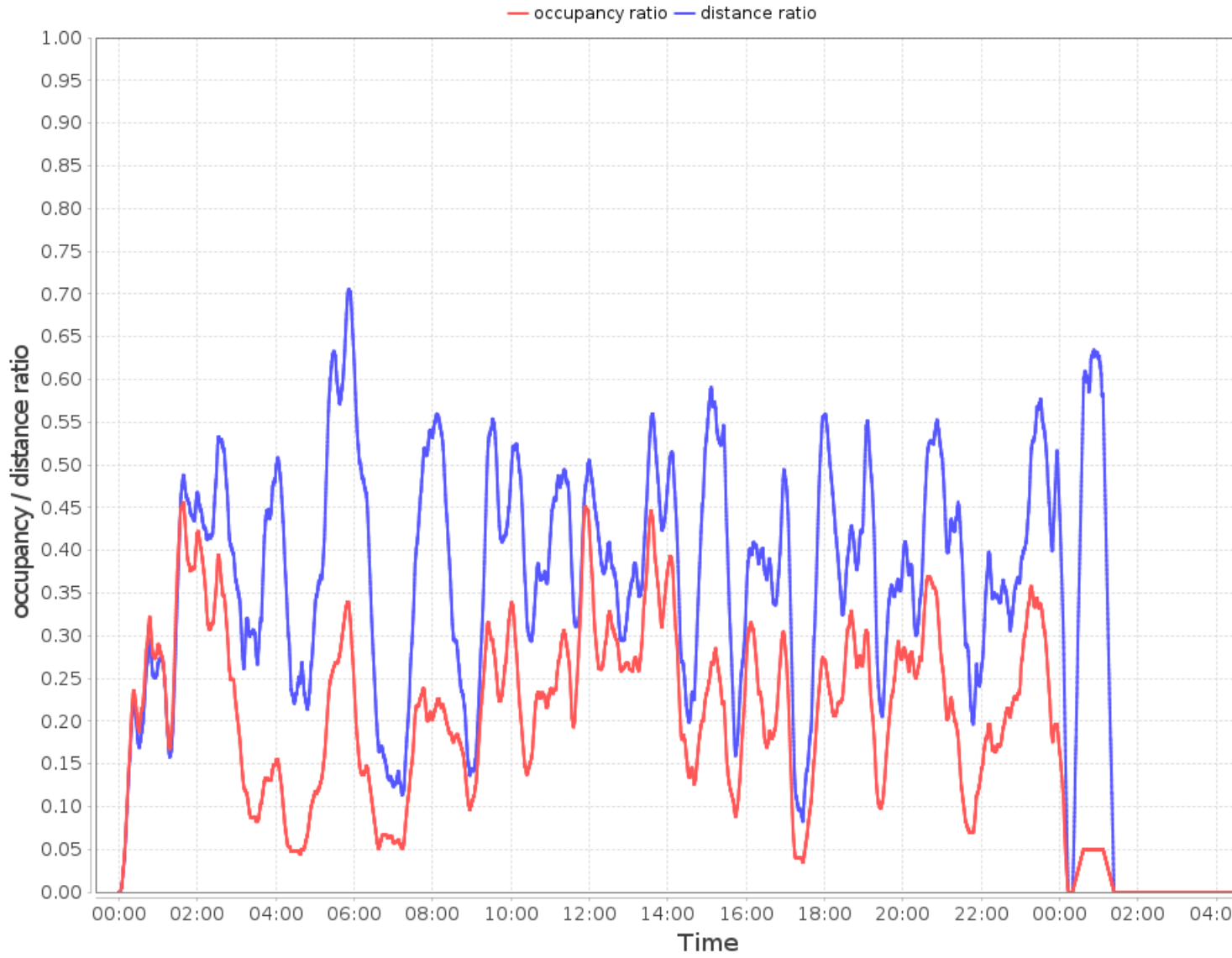
# Fleet Efficiency

## Distance Distribution over Day

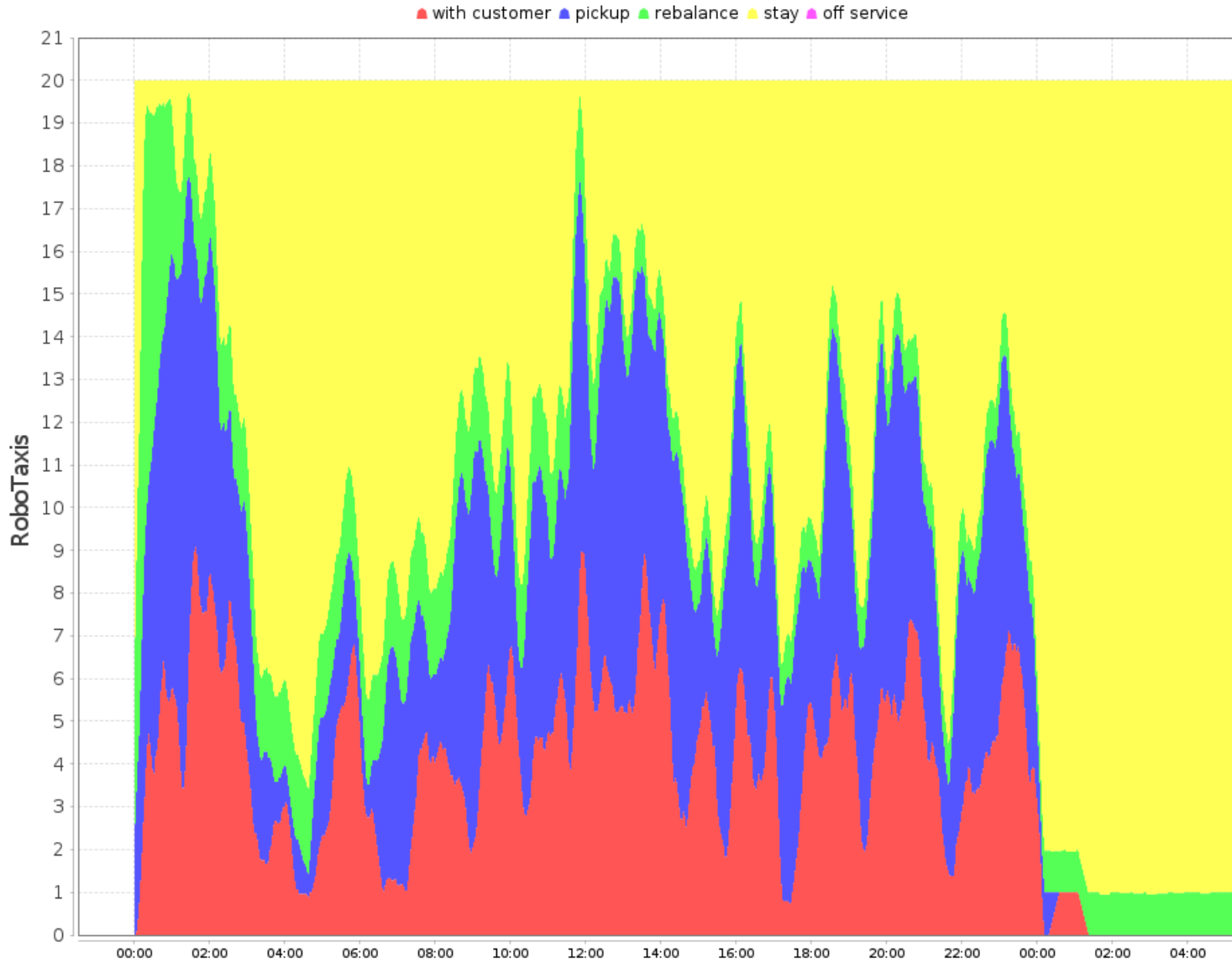




# Occupancy and Distance Ratios



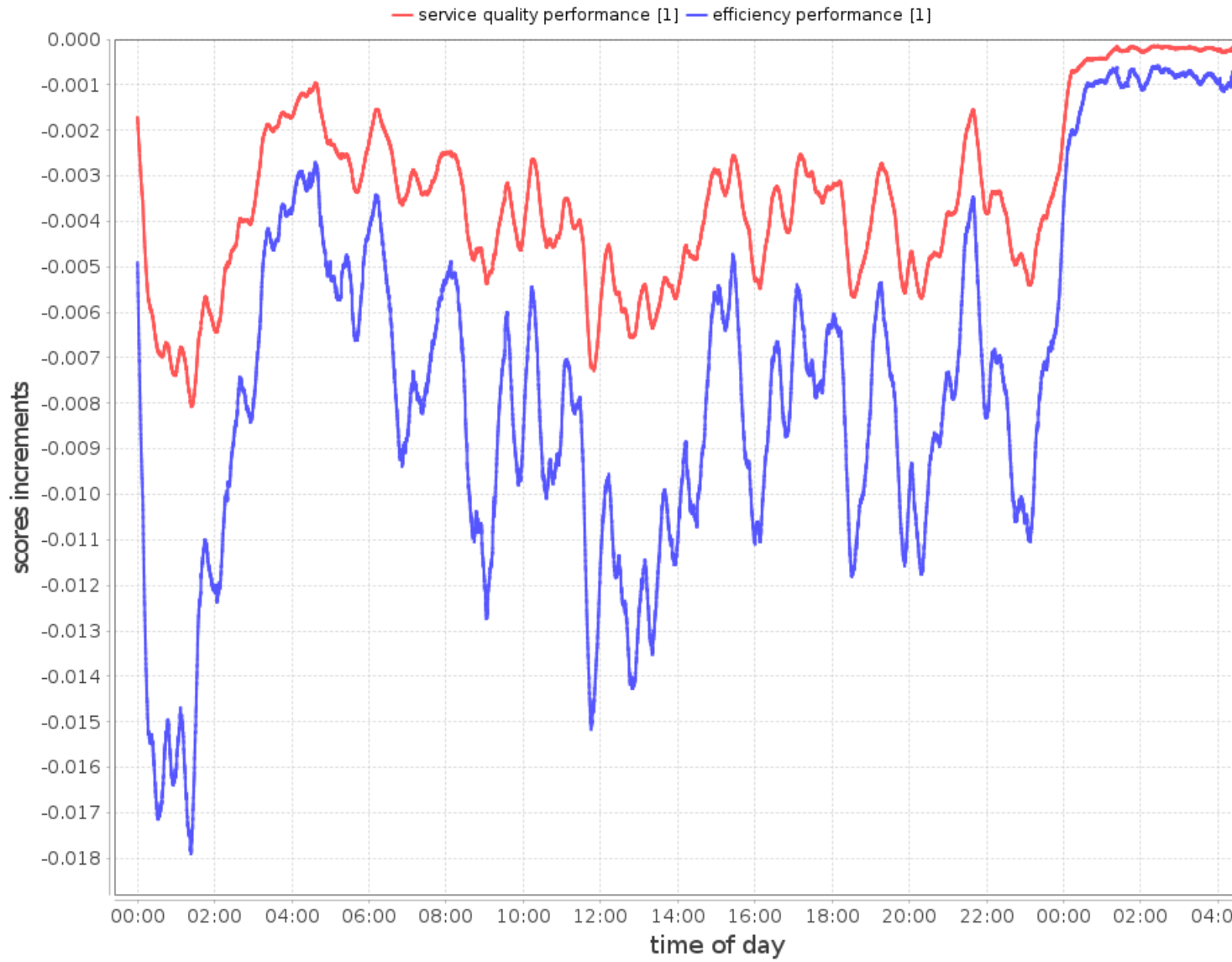
## Status Distribution



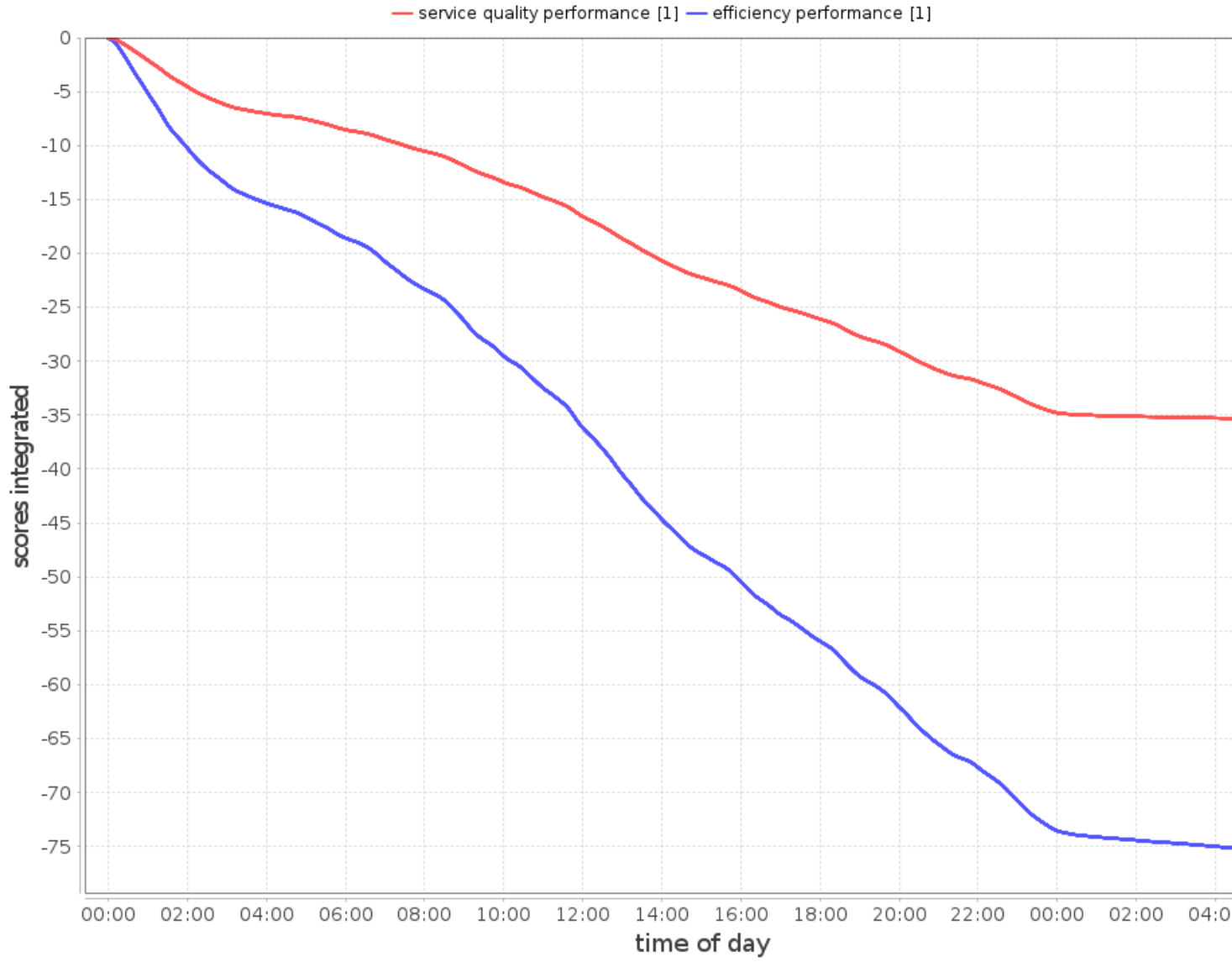
## Aido Scores

### Scores during Simulation

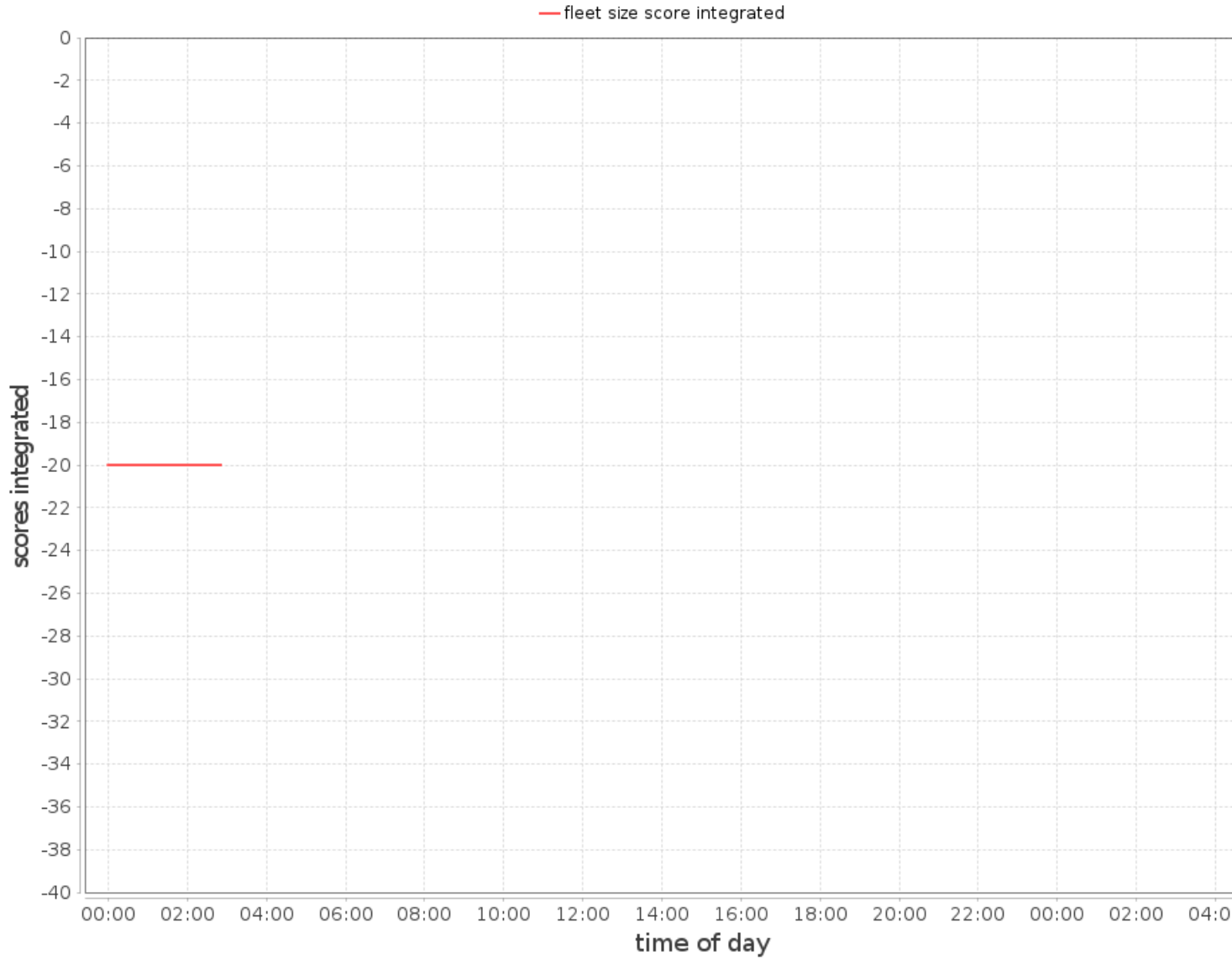
# Service Quality and Efficiency Score Increments



# Service Quality and Efficiency Score Integrated



# Fleet Size Score Integrated



## Final Scores

final service quality score: -35.39138077002181  
final efficiency score: -75.49264308008757  
final fleet size score: -Infinity

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