



# AMoDeus Simulation Report

## Simulation Information

User: root  
Timestamp: 2018/12/03 - 08:41:54  
  
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

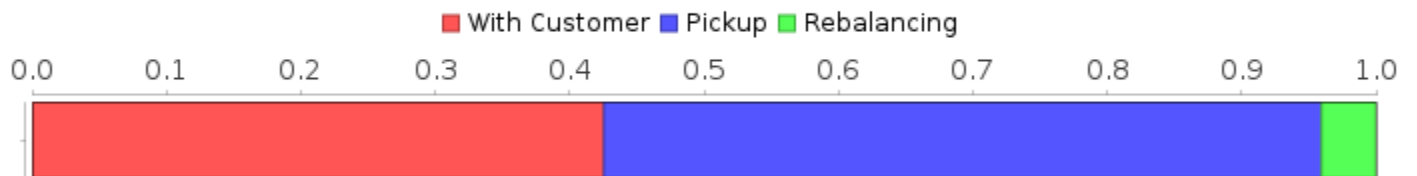
Distance Ratio: 42.56%  
Occupancy Ratio: 17.86 %

## Distances

Total: 19258.08 km  
Rebalancing: 779.69 km (4.05%)  
Pickup: 10282.07 km (53.39%)  
With Customer: 8196.33 km (42.56%)

Average Trip Distance: 16.39 km

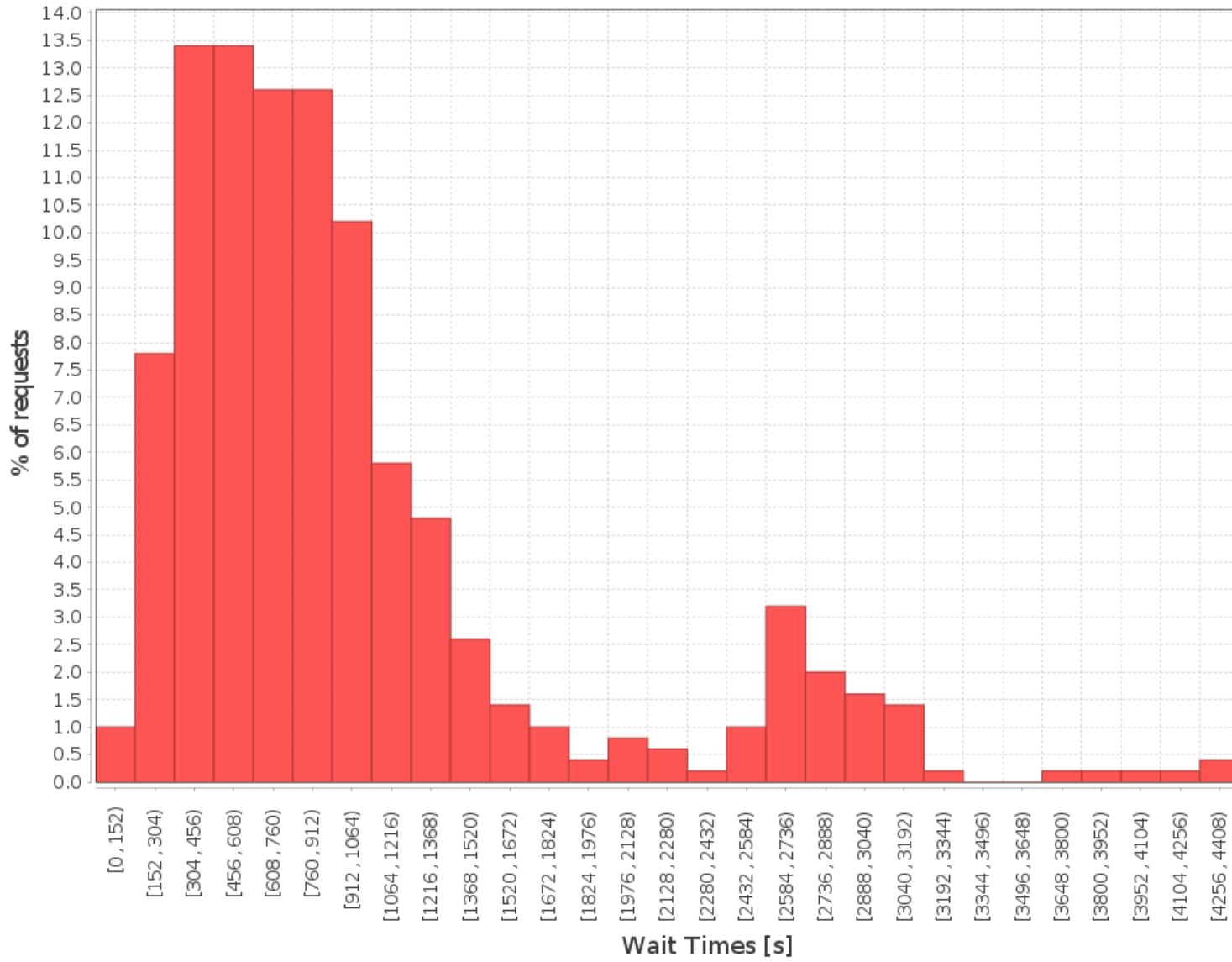
## Total Distance Distribution



## Wait Times

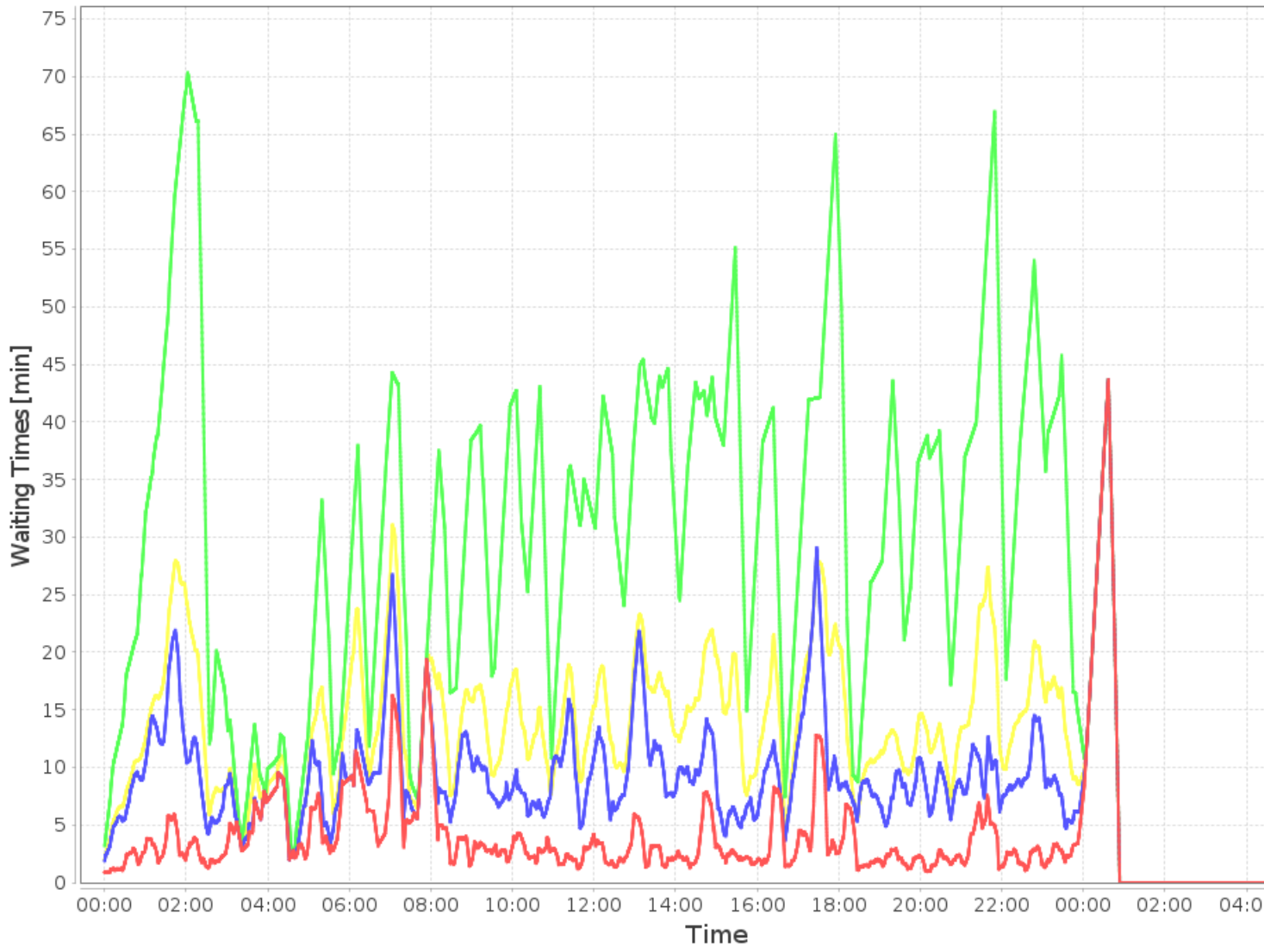
10.0% quantile 00:05:15  
50.0% quantile 00:12:50  
95.0% quantile 00:48:20  
Mean 00:17:06  
Maximum: 01:16:09

# Number of Requests per Wait Time

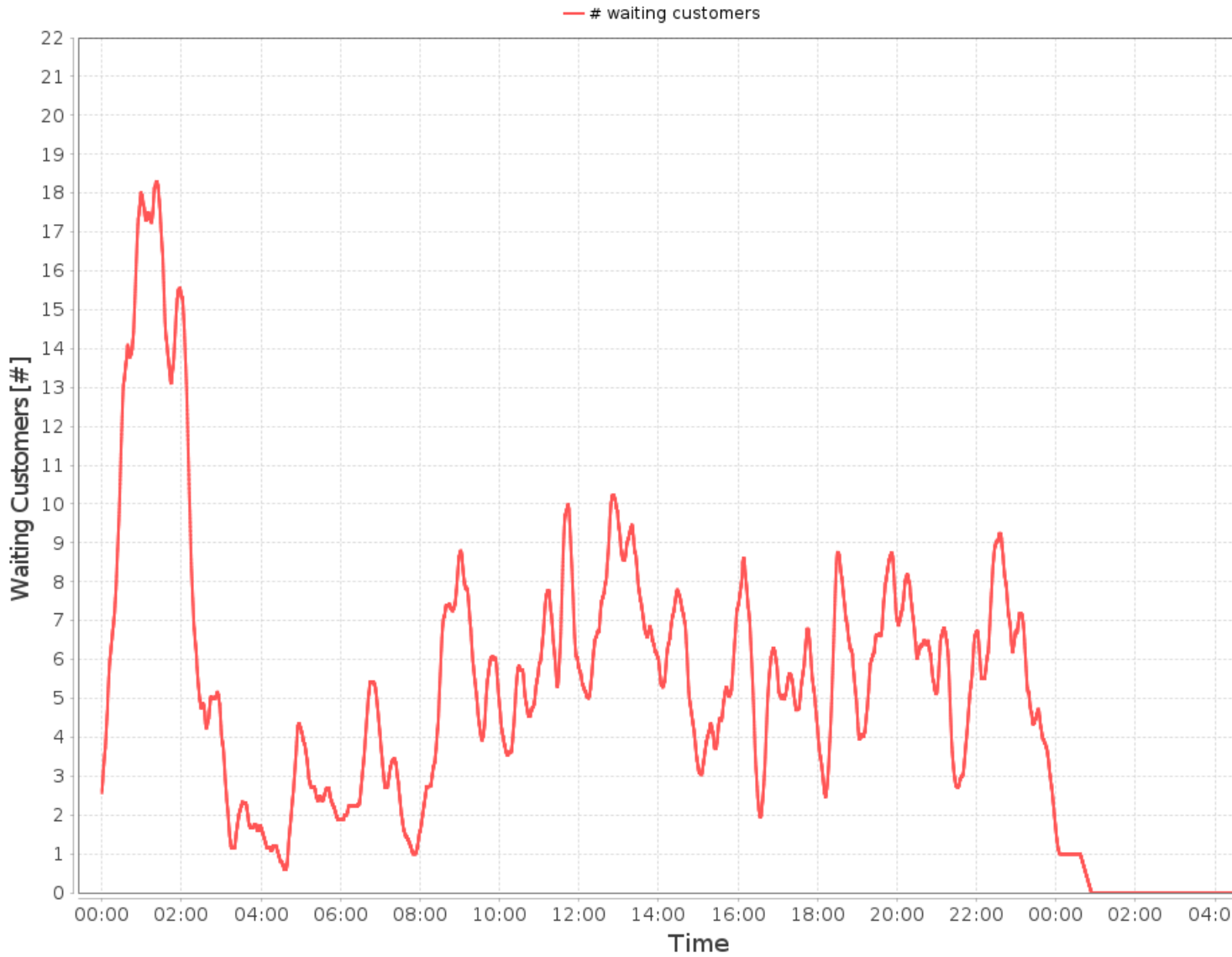


# Binned Waiting Times

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



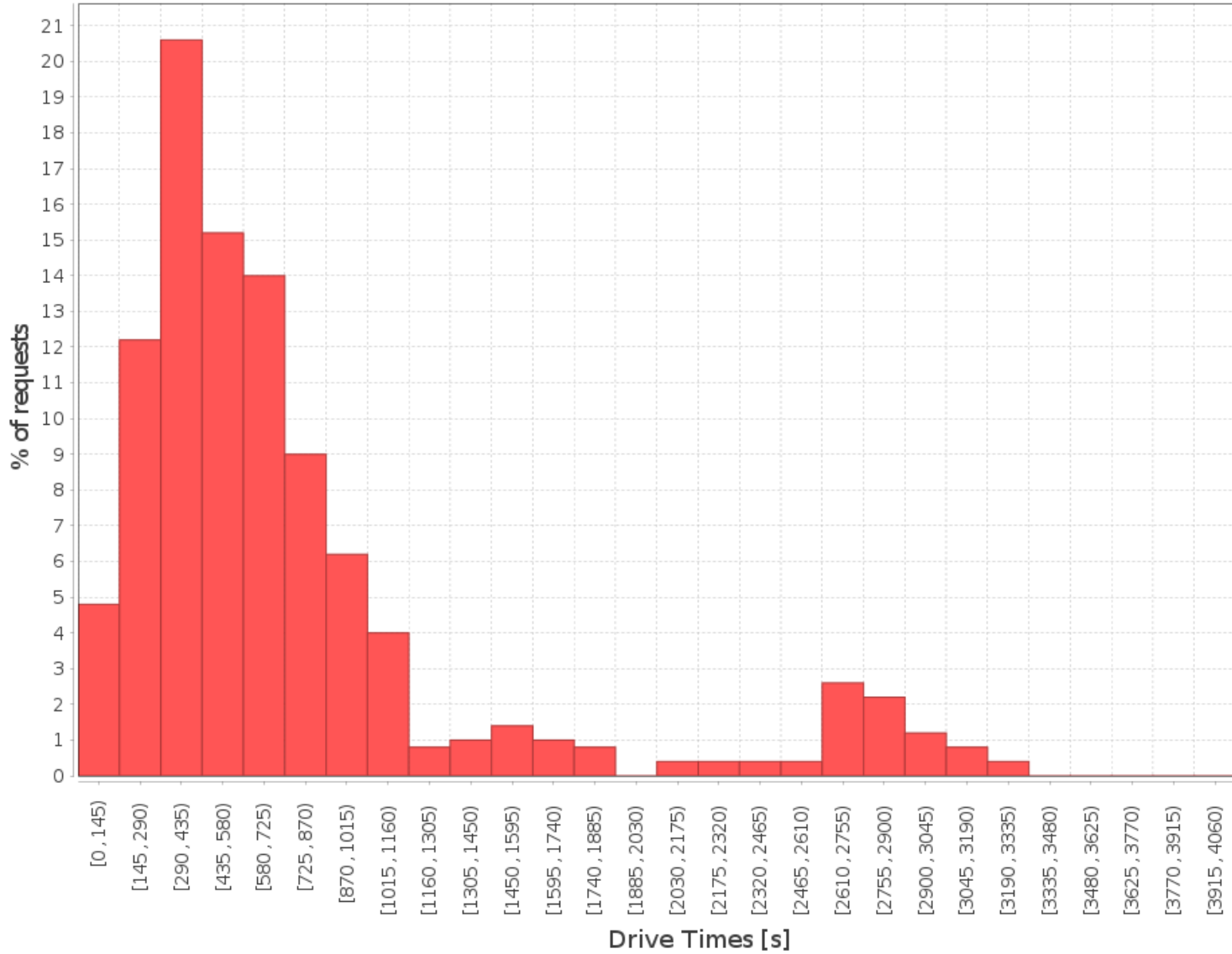
# Waiting Customers per Day Time



## Drive Times

10.0% quantile	00:03:30
50.0% quantile	00:09:10
95.0% quantile	00:45:30
Mean	00:12:50
Maximum:	01:12:20

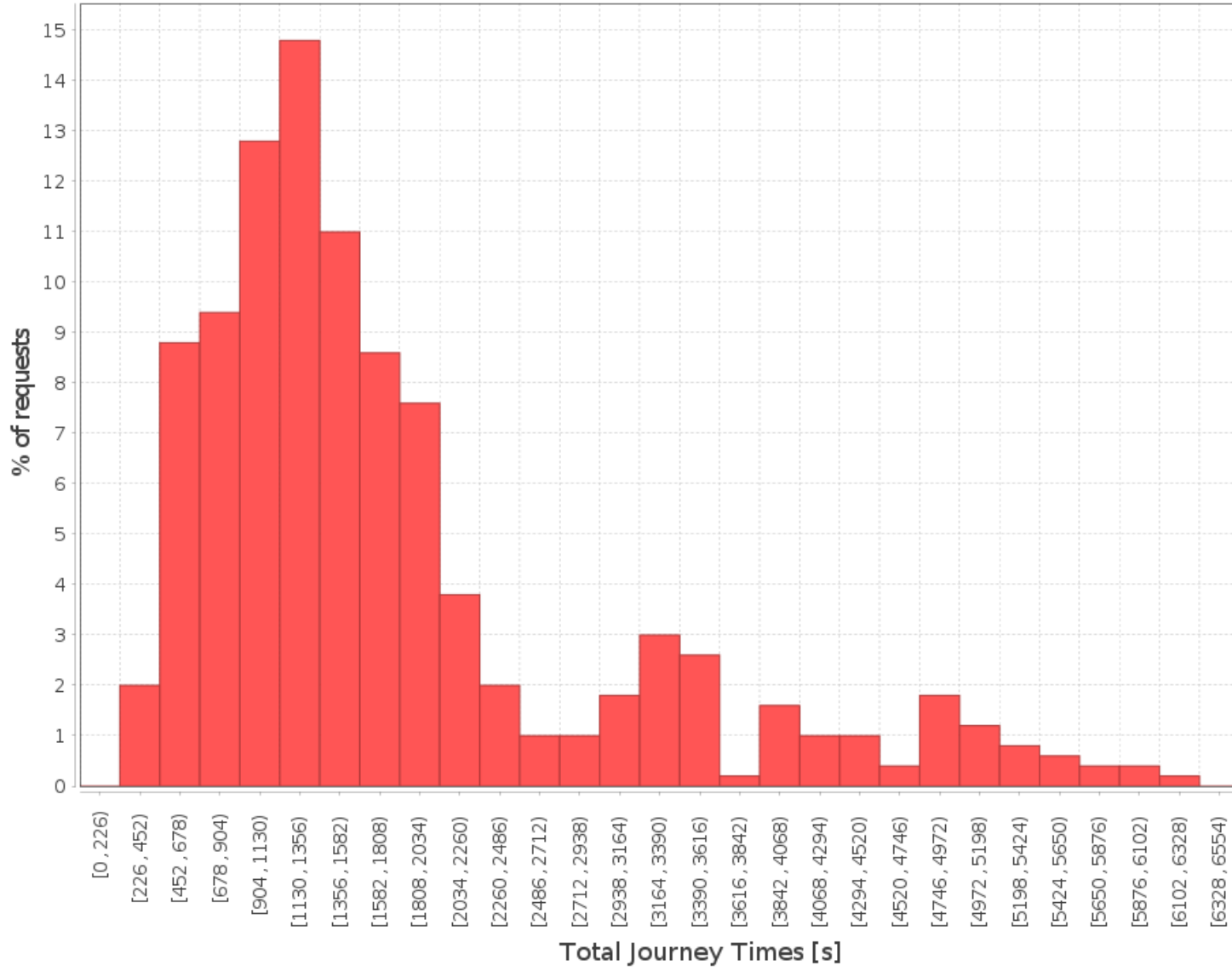
## Number of Requests per Drive Time



### Total Journey Times

10.0% quantile	00:10:54
50.0% quantile	00:23:14
95.0% quantile	01:20:37
Mean	00:29:57
Maximum:	01:53:09

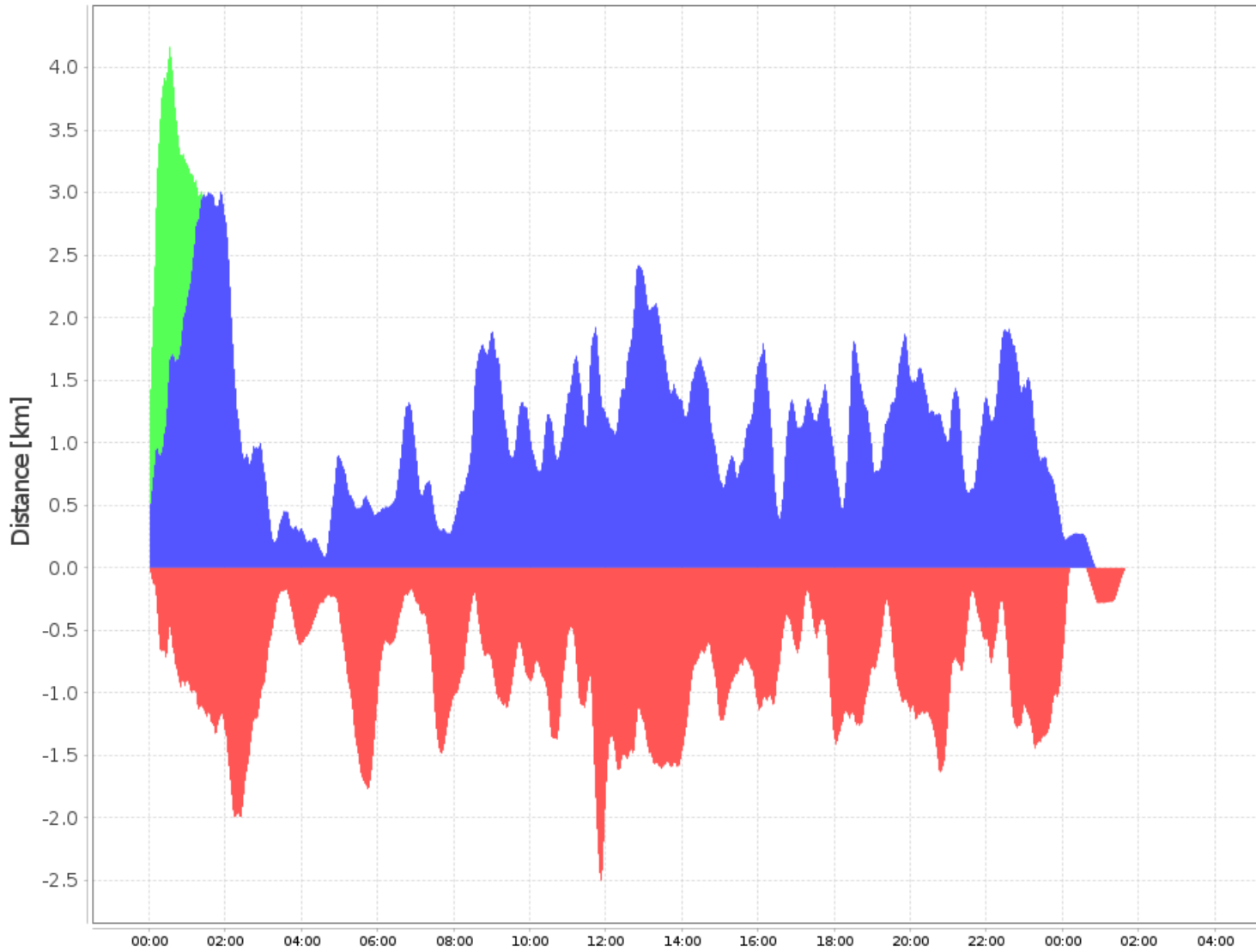
# Number of Requests per Total Journey Time



# Fleet Efficiency

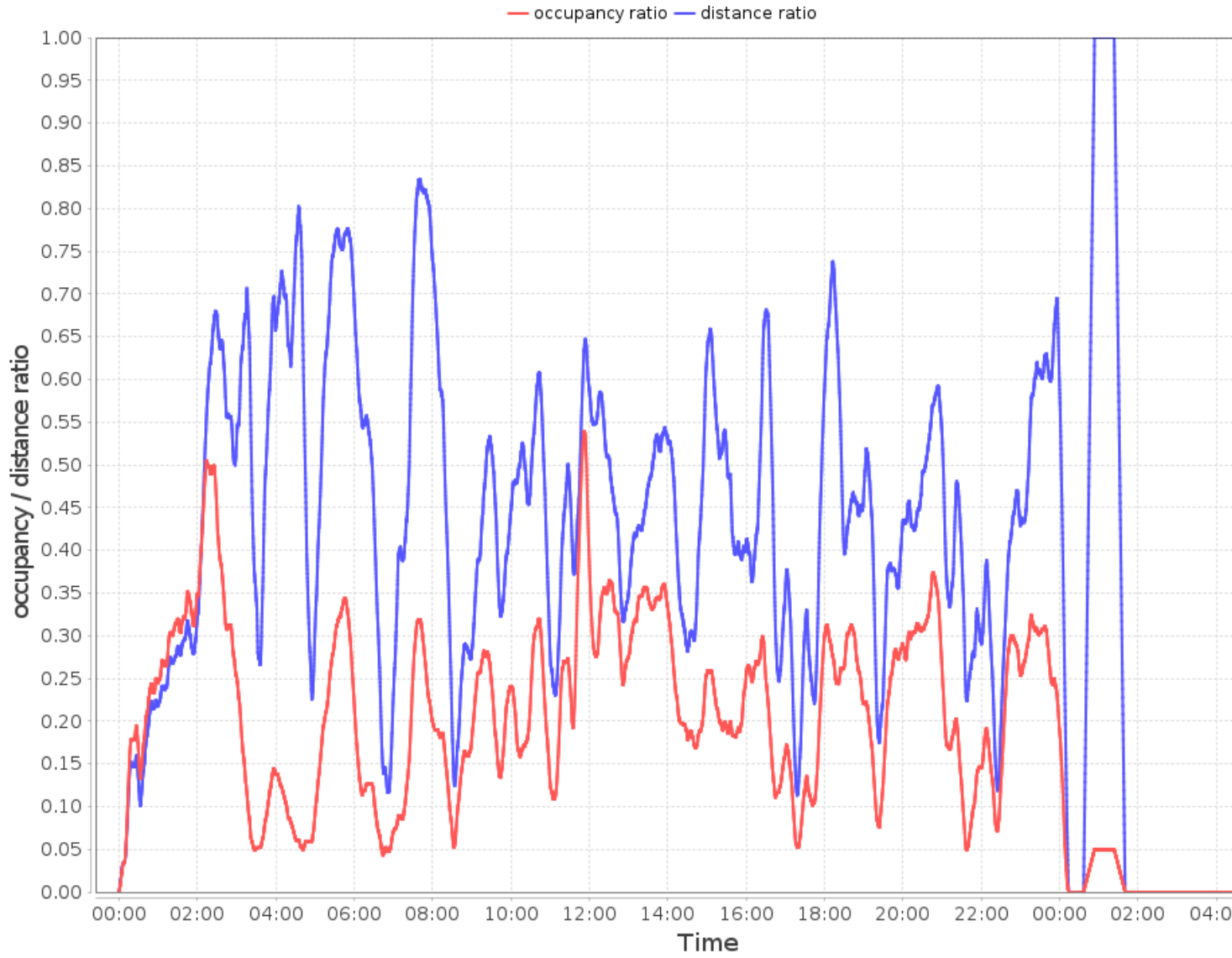
## Distance Distribution over Day

with customer pickup rebalance

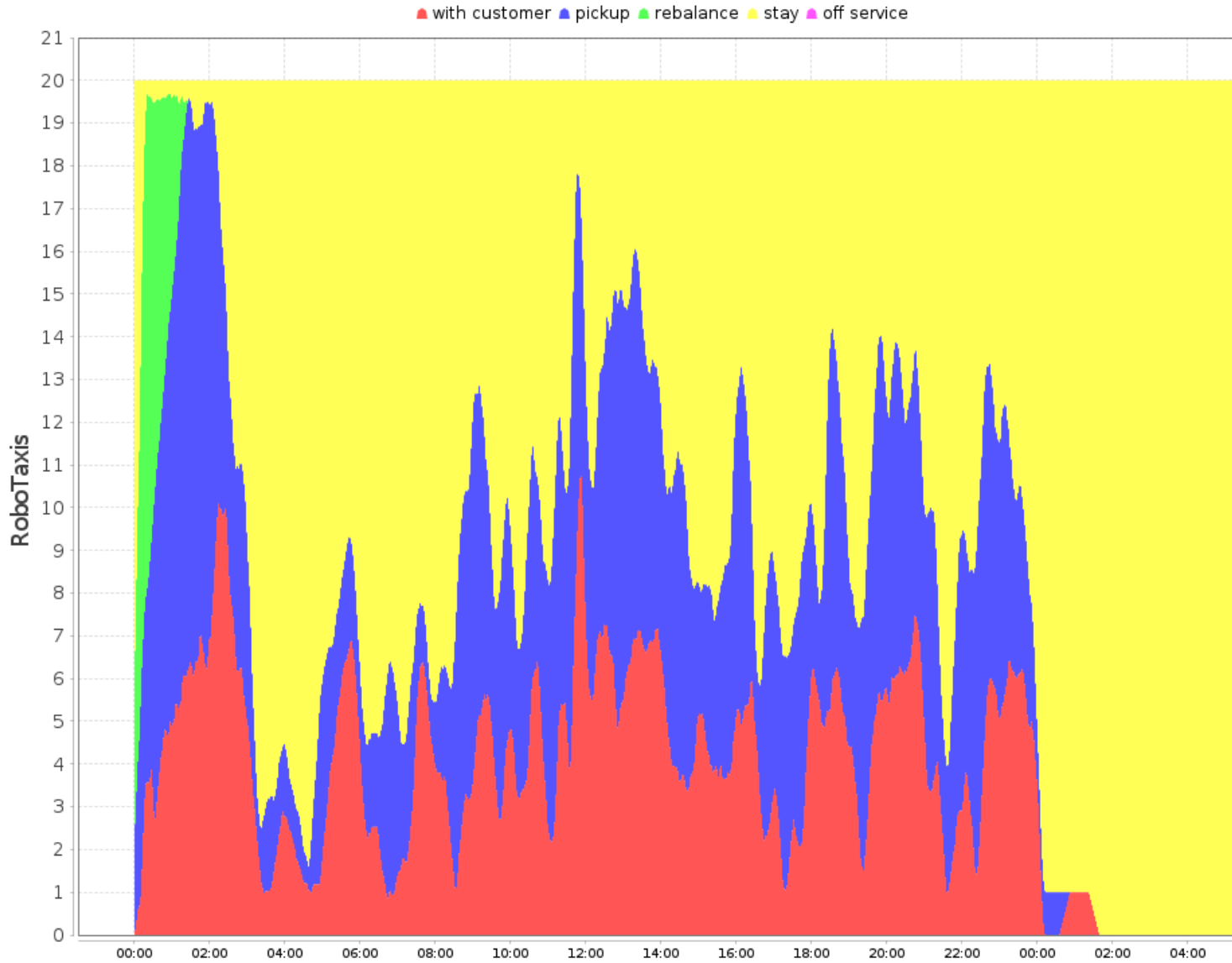




# Occupancy and Distance Ratios



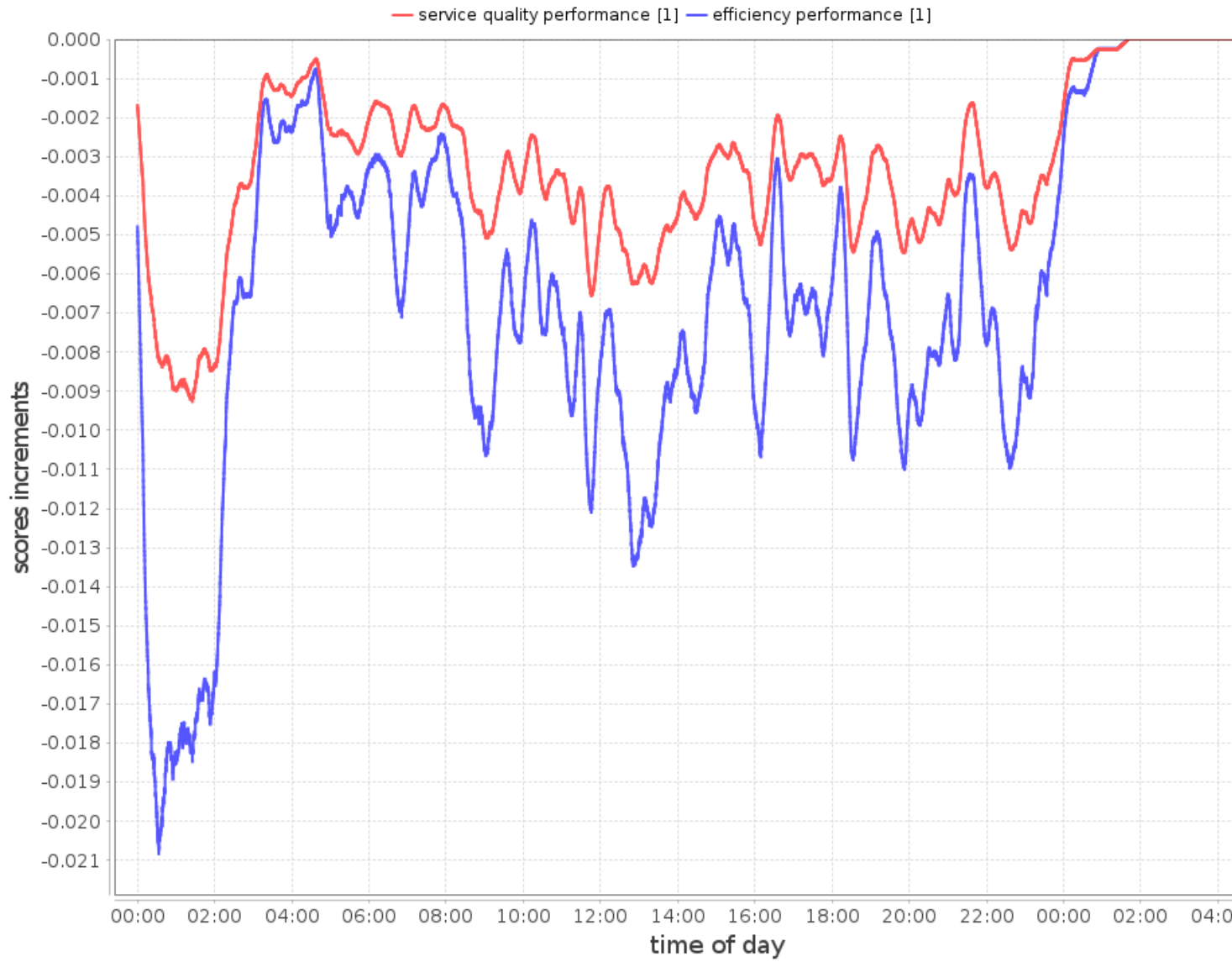
## Status Distribution



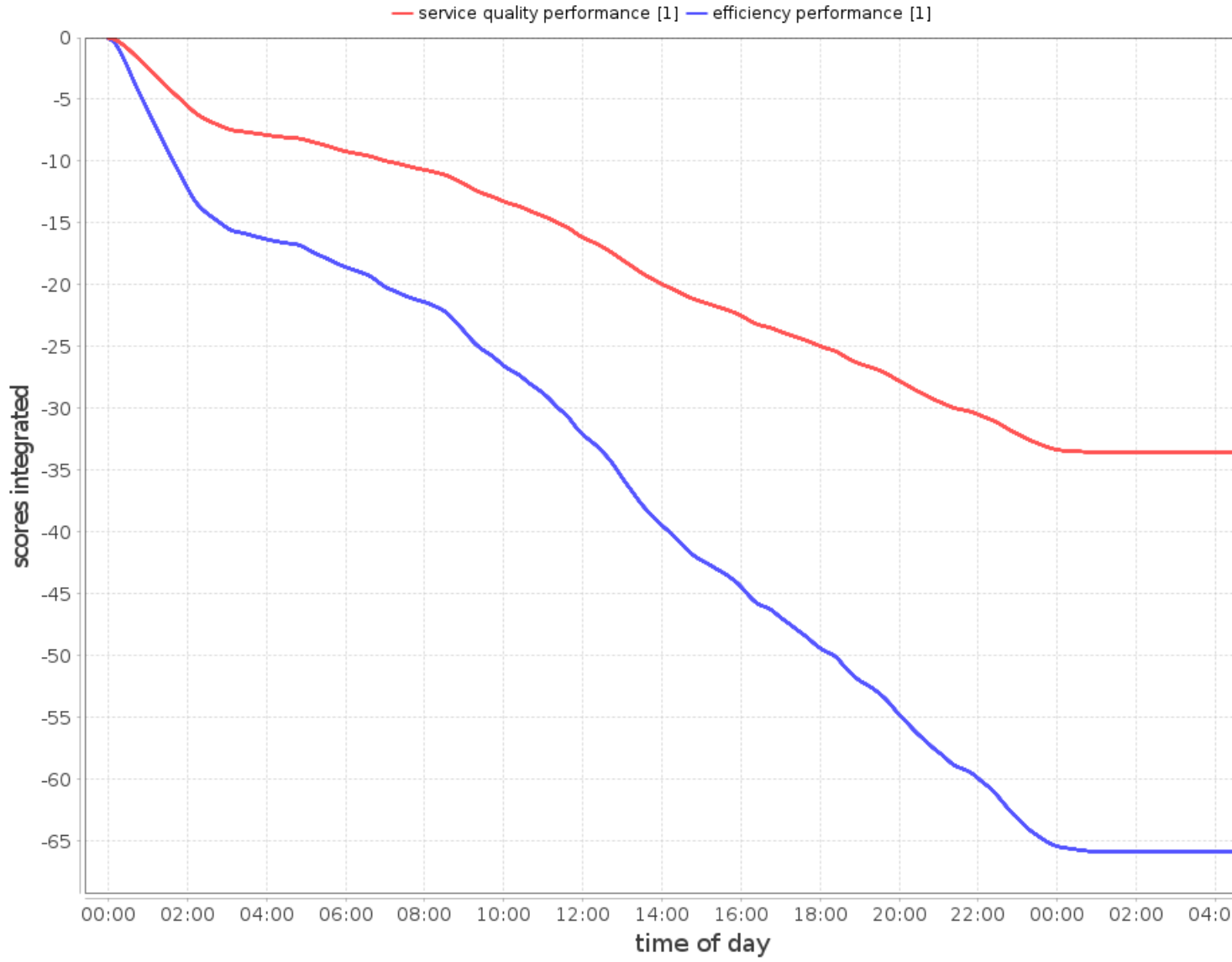
## Aido Scores

### Scores during Simulation

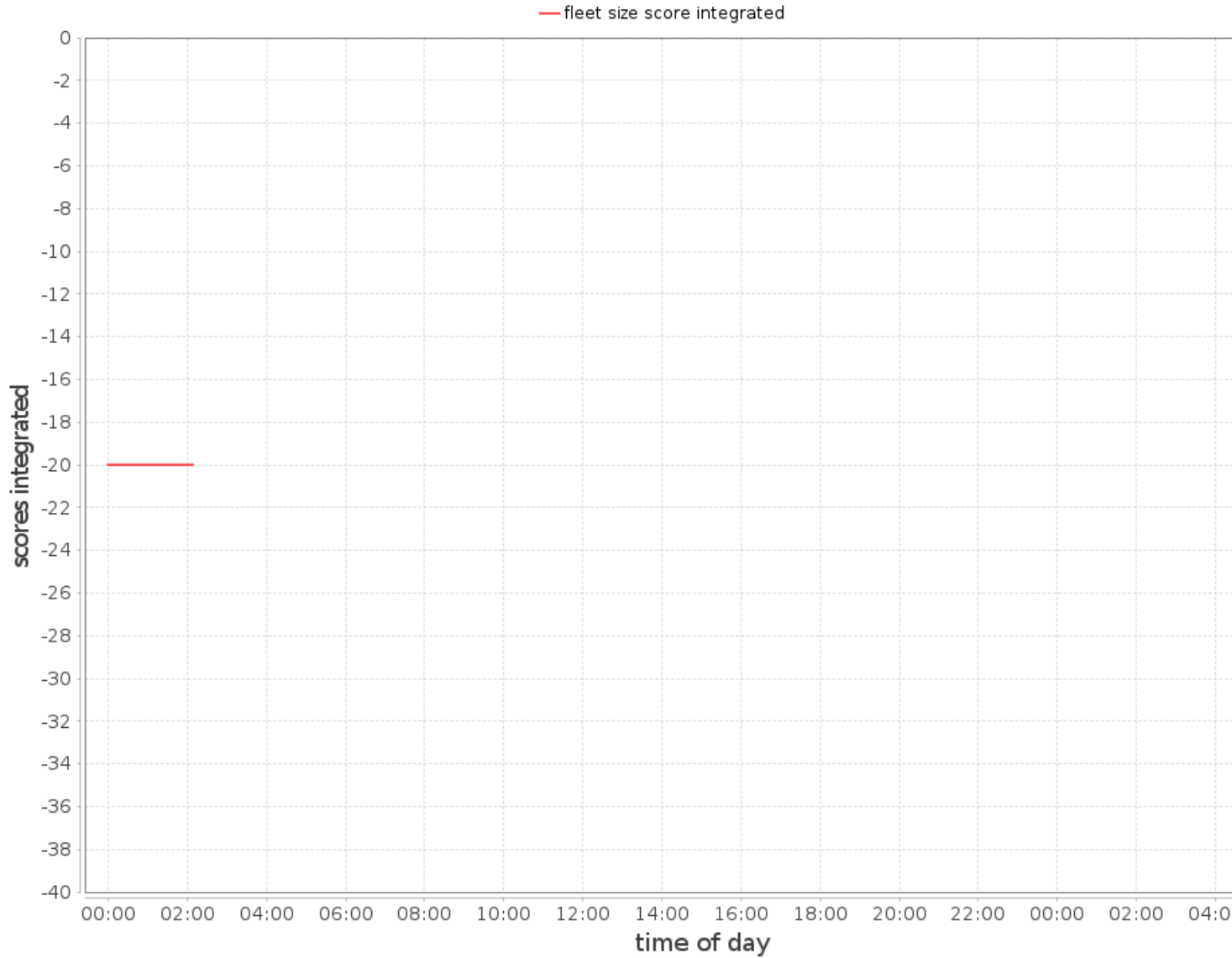
# Service Quality and Efficiency Score Increments



# Service Quality and Efficiency Score Integrated



# Fleet Size Score Integrated



## Final Scores

final service quality score: -33.584507916432564  
final efficiency score: -65.8688716657305  
final fleet size score: -Infinity

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