



# AMoDeus Simulation Report

## Simulation Information

User: root  
Timestamp: 2018/12/06 - 19:31:16  
  
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: 1  
Number of Requests: 500

# Aggregated Results

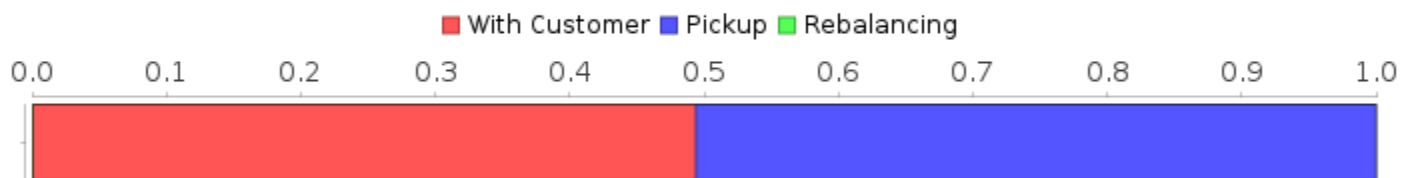
Distance Ratio: 49.42%  
Occupancy Ratio: 50.33 %

## Distances

Total: 2116.29 km  
Rebalancing: 0.00 km (0.00%)  
Pickup: 1070.46 km (50.58%)  
With Customer: 1045.84 km (49.42%)

Average Trip Distance: 2.09 km

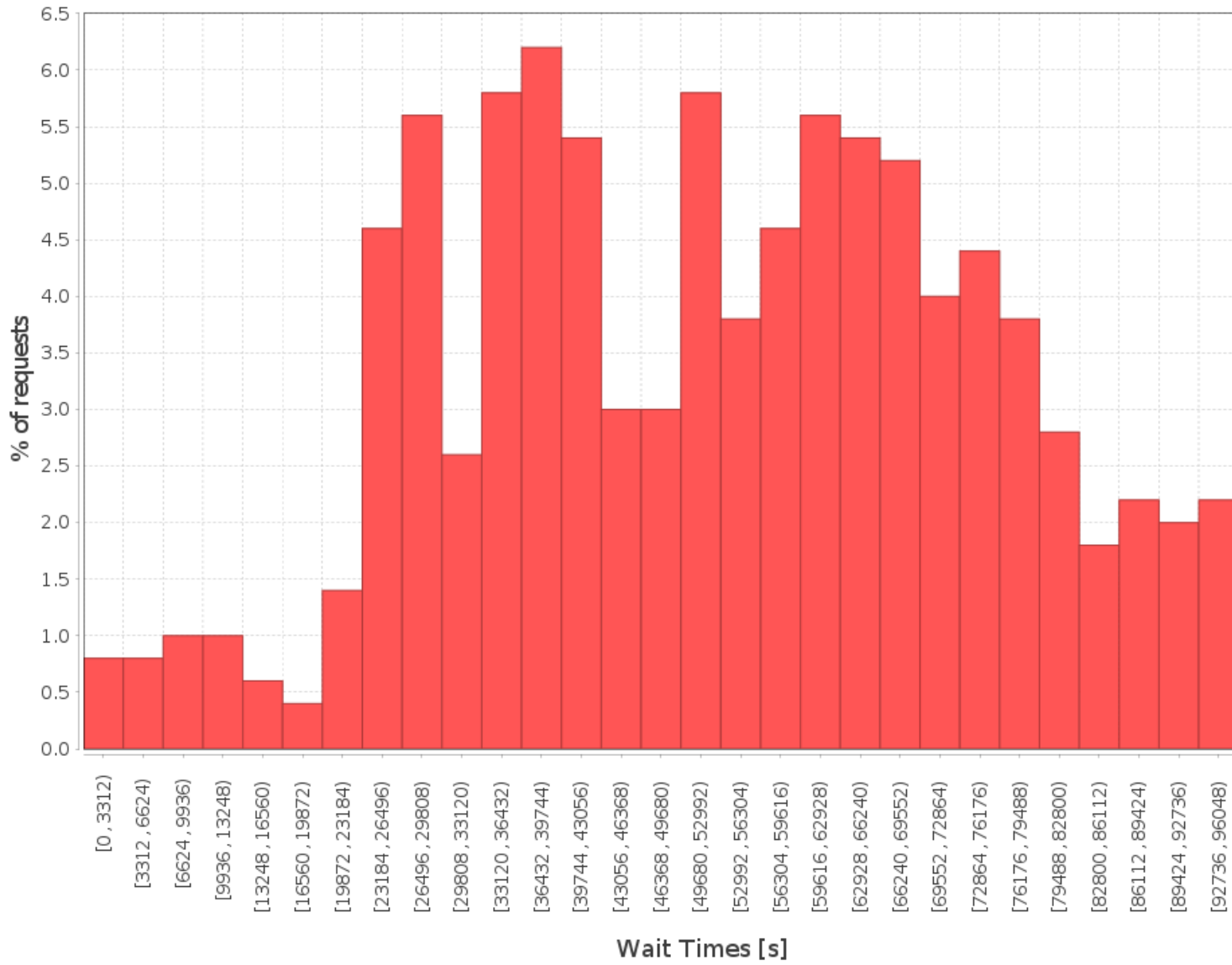
## Total Distance Distribution



## Wait Times

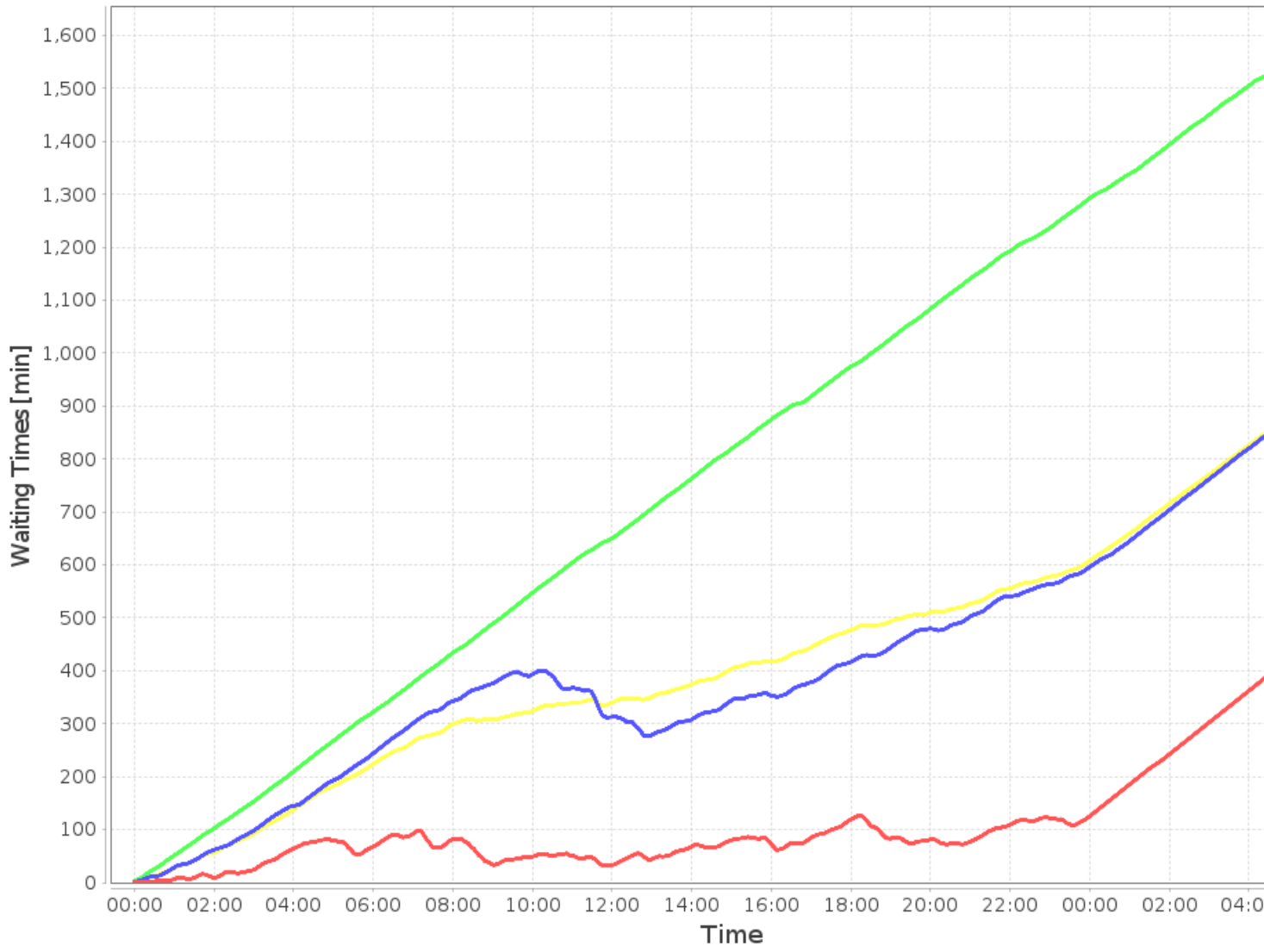
10.0% quantile: 07:09:15  
50.0% quantile: 15:09:33  
95.0% quantile: 26:29:41  
Mean: 15:11:10  
Maximum: 27:36:04

# Number of Requests per Wait Time

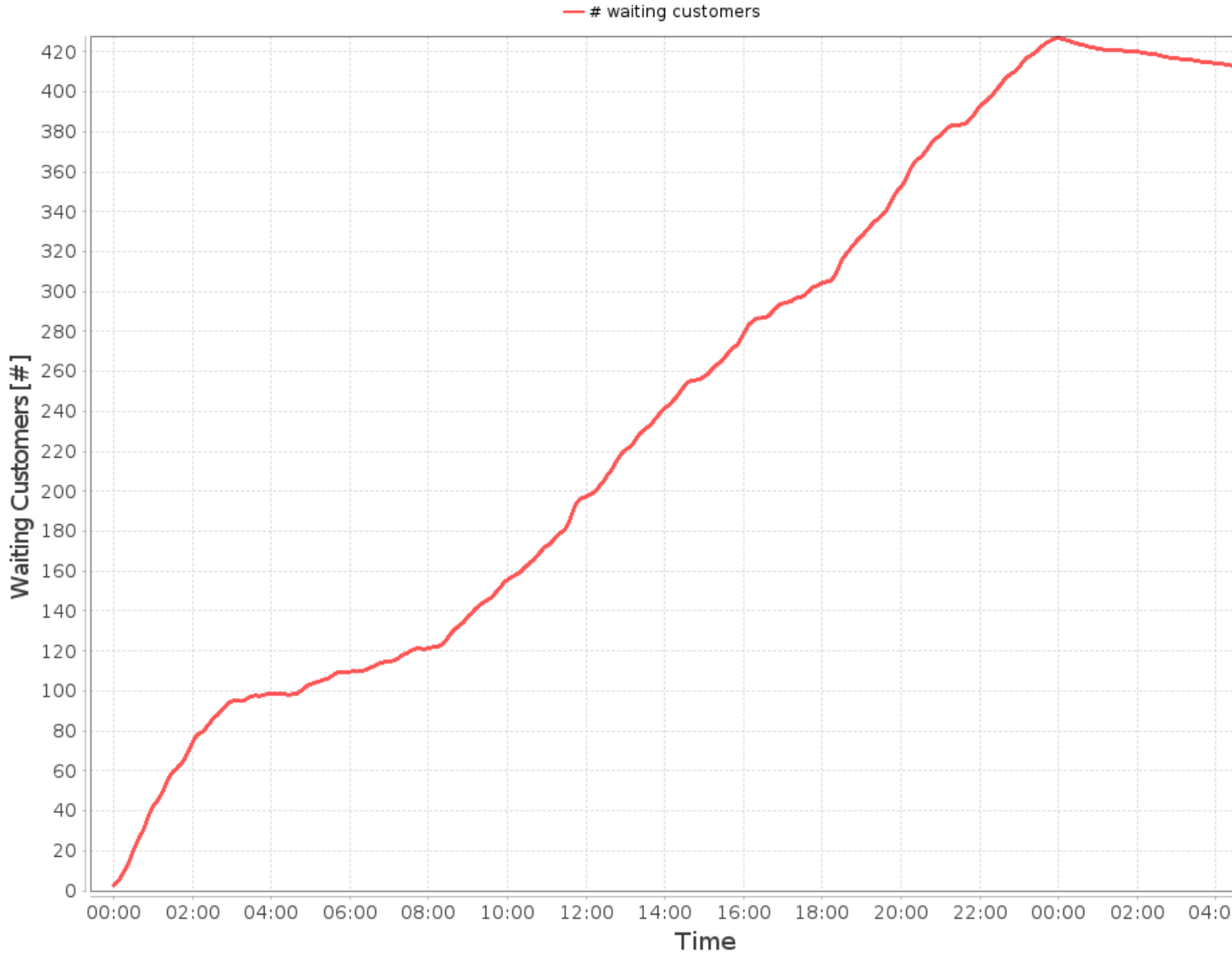


# Binned Waiting Times

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



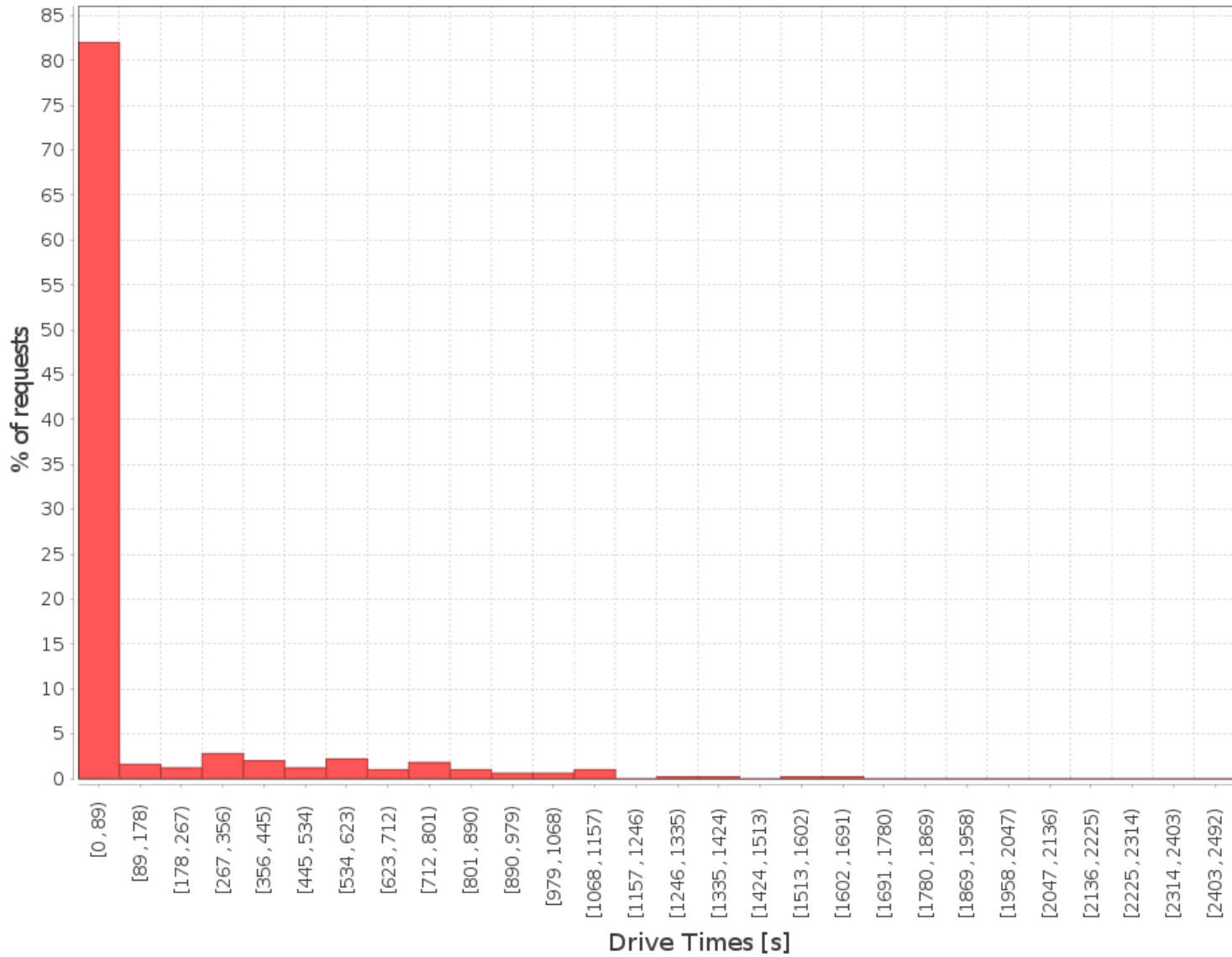
# Waiting Customers per Day Time



## Drive Times

10.0% quantile	00:00:00
50.0% quantile	00:00:00
95.0% quantile	00:12:40
Mean	00:01:48
Maximum:	00:44:20

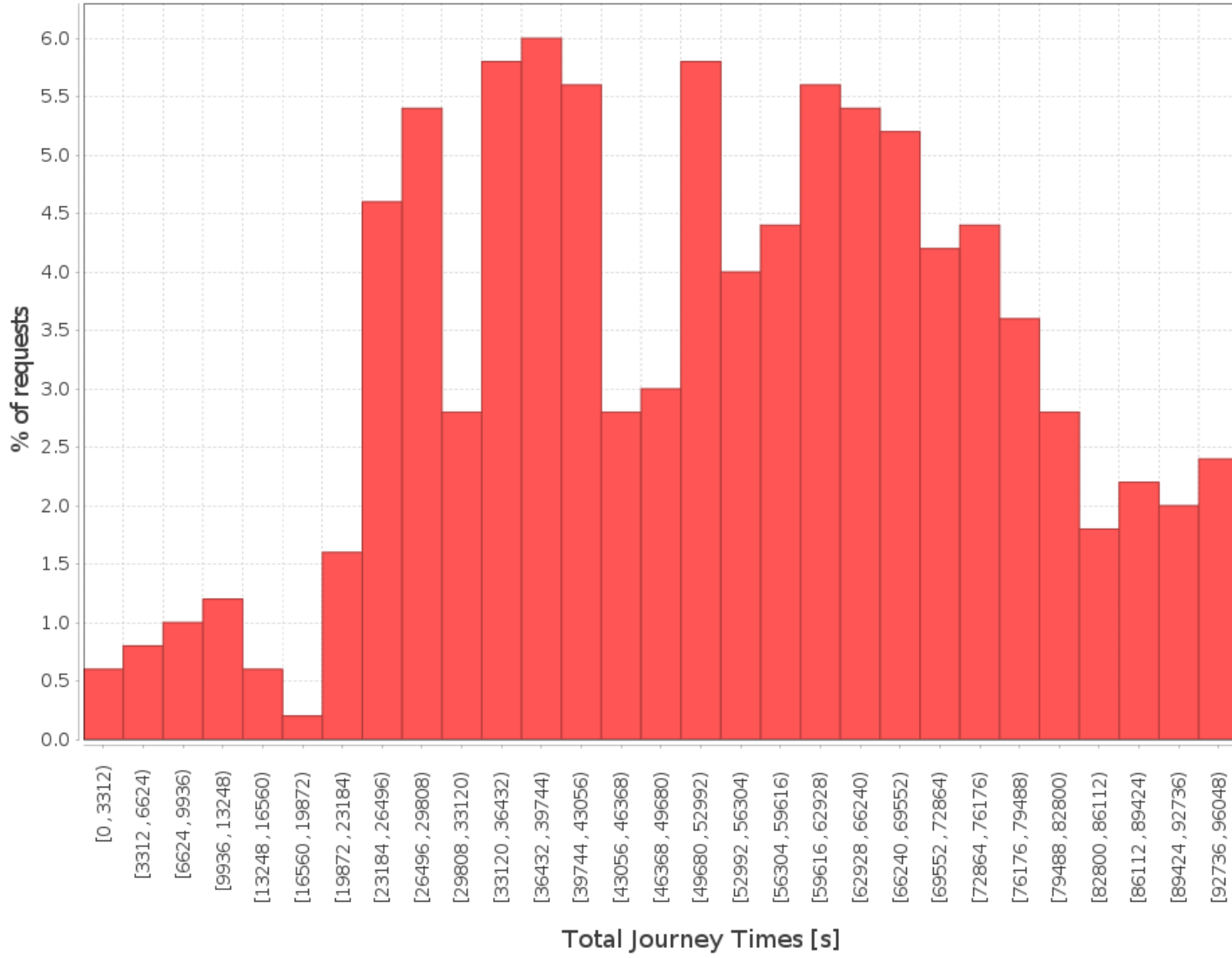
## Number of Requests per Drive Time



### Total Journey Times

10.0% quantile	07:17:37
50.0% quantile	15:09:33
95.0% quantile	26:29:41
Mean	15:12:58
Maximum:	27:36:04

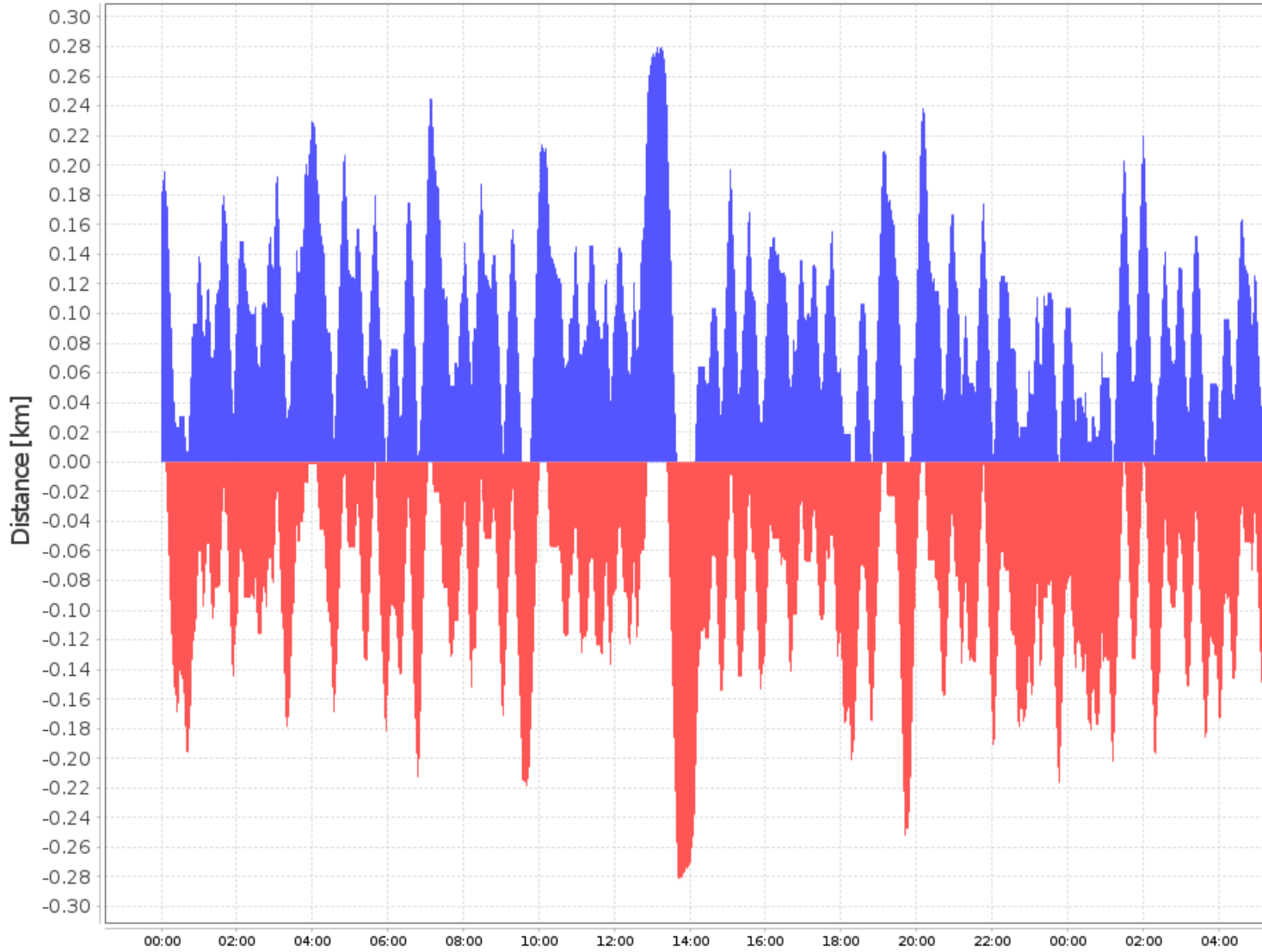
# Number of Requests per Total Journey Time



# Fleet Efficiency

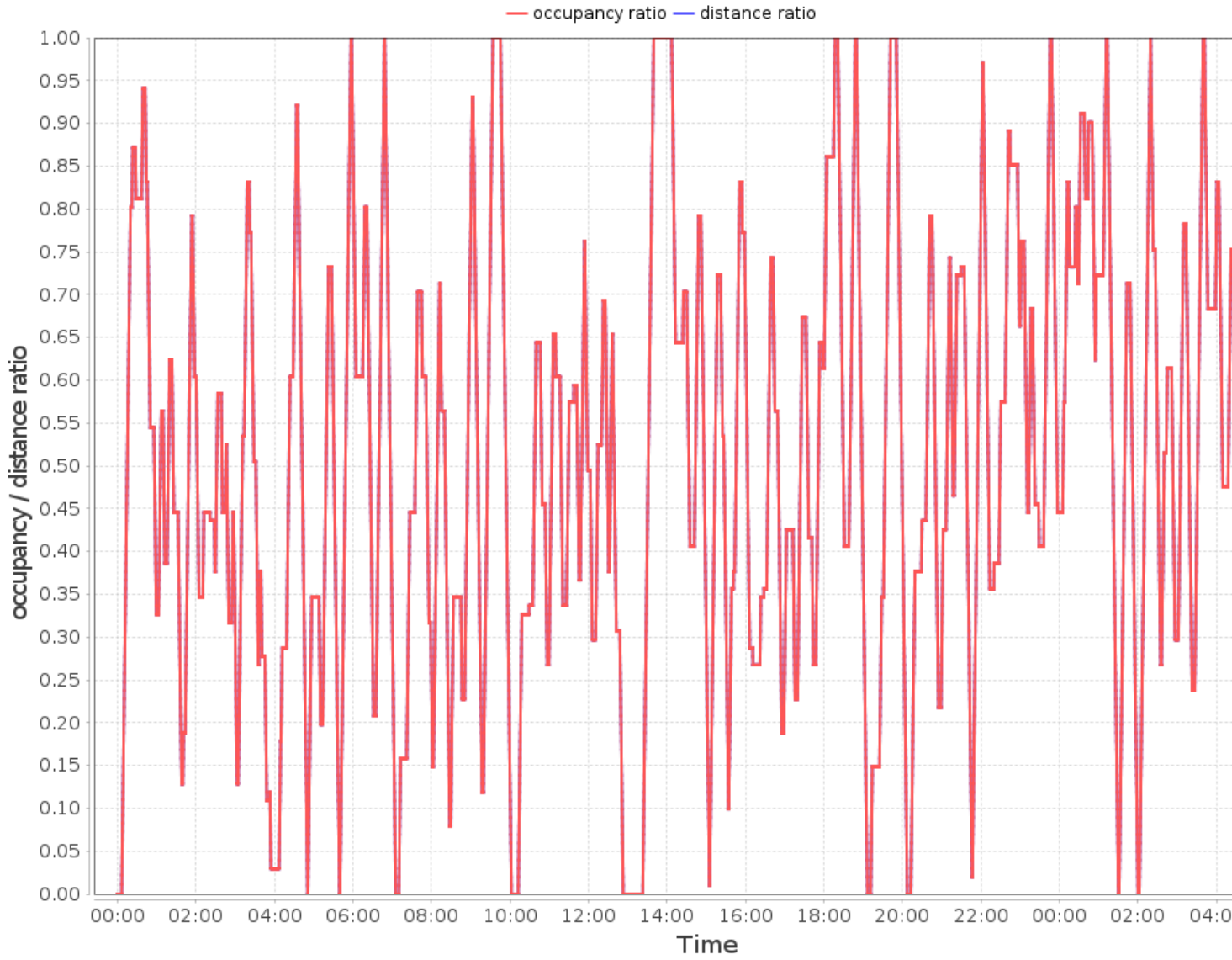
## Distance Distribution over Day

▲ with customer ▲ pickup ▲ rebalance

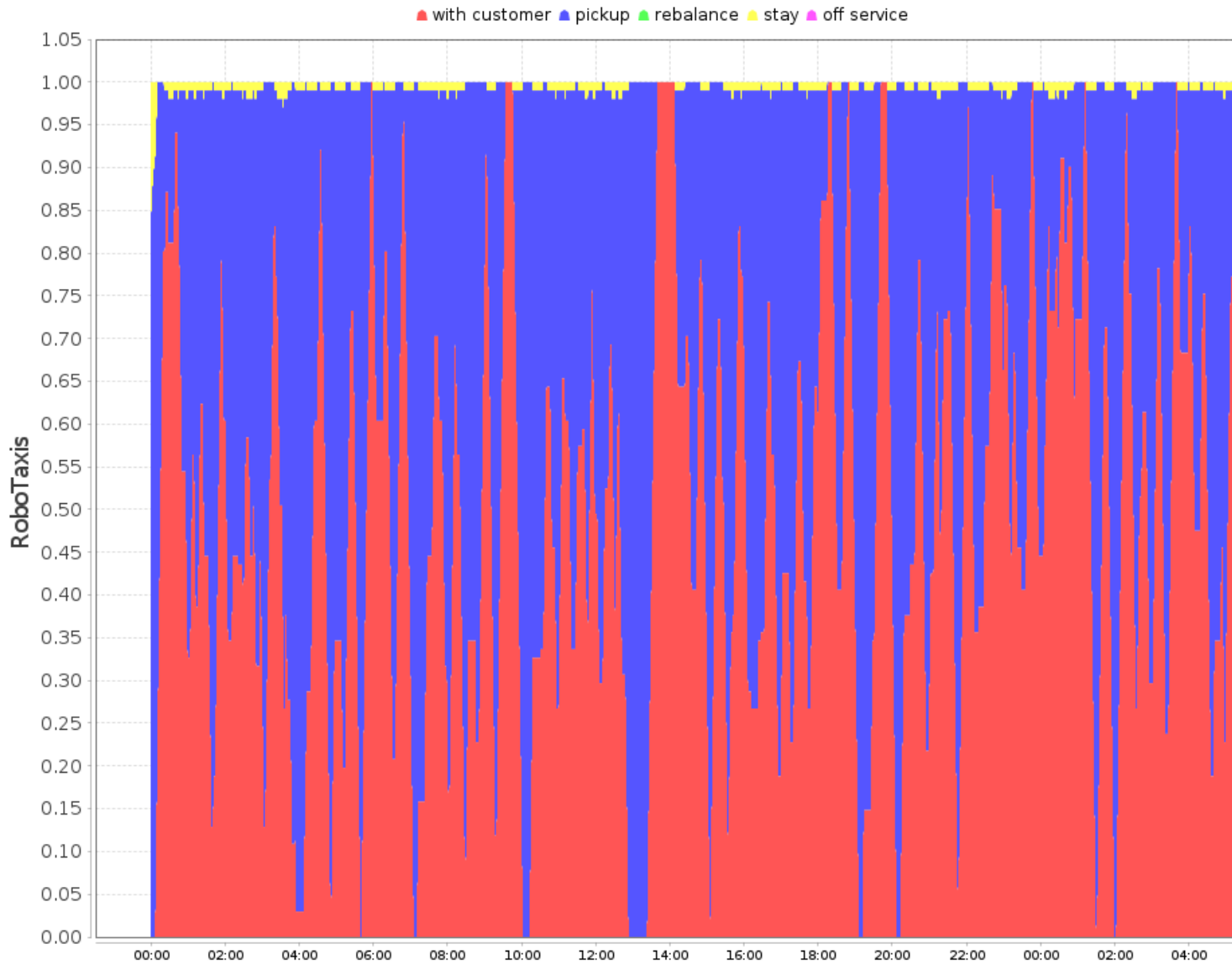




# Occupancy and Distance Ratios



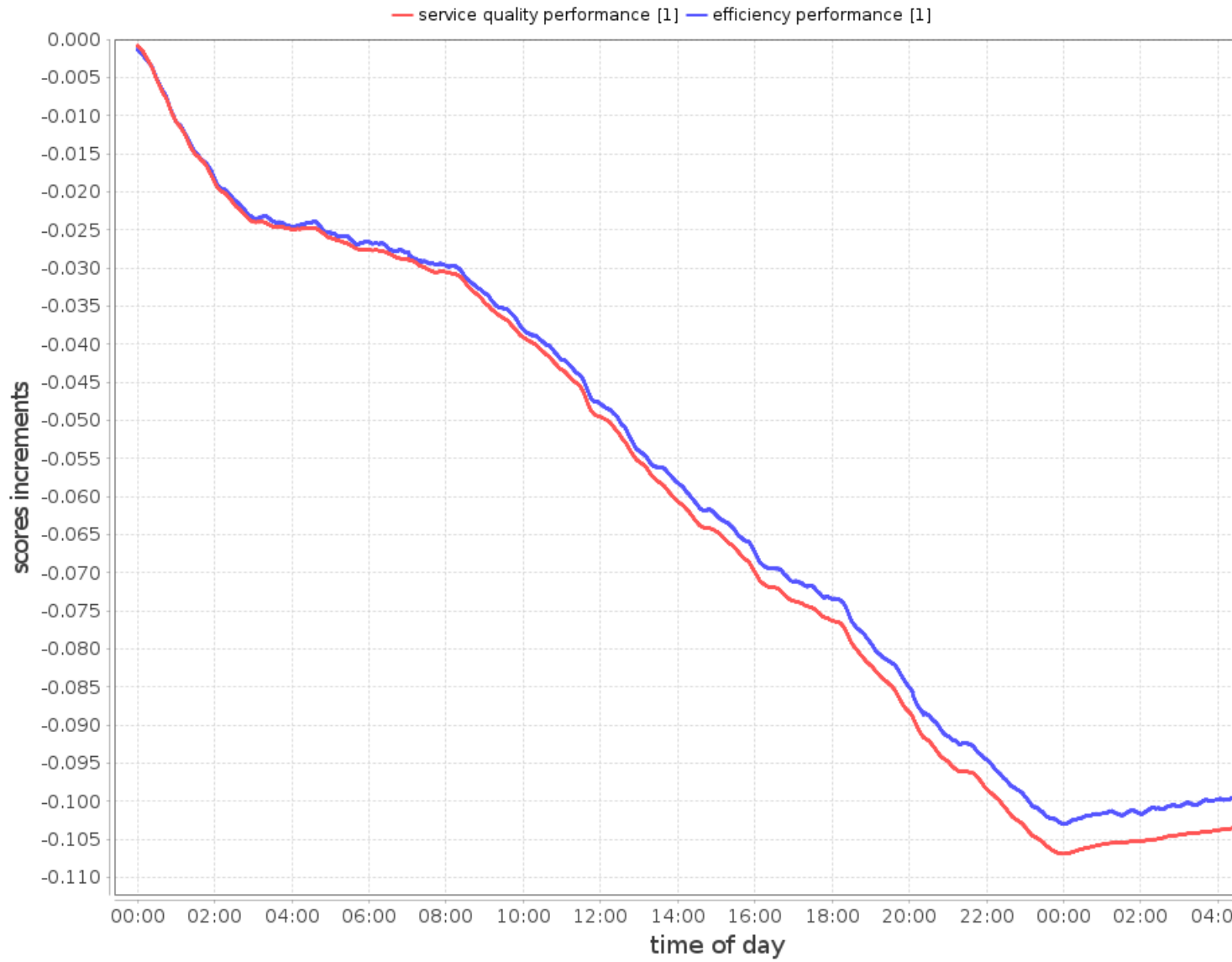
## Status Distribution



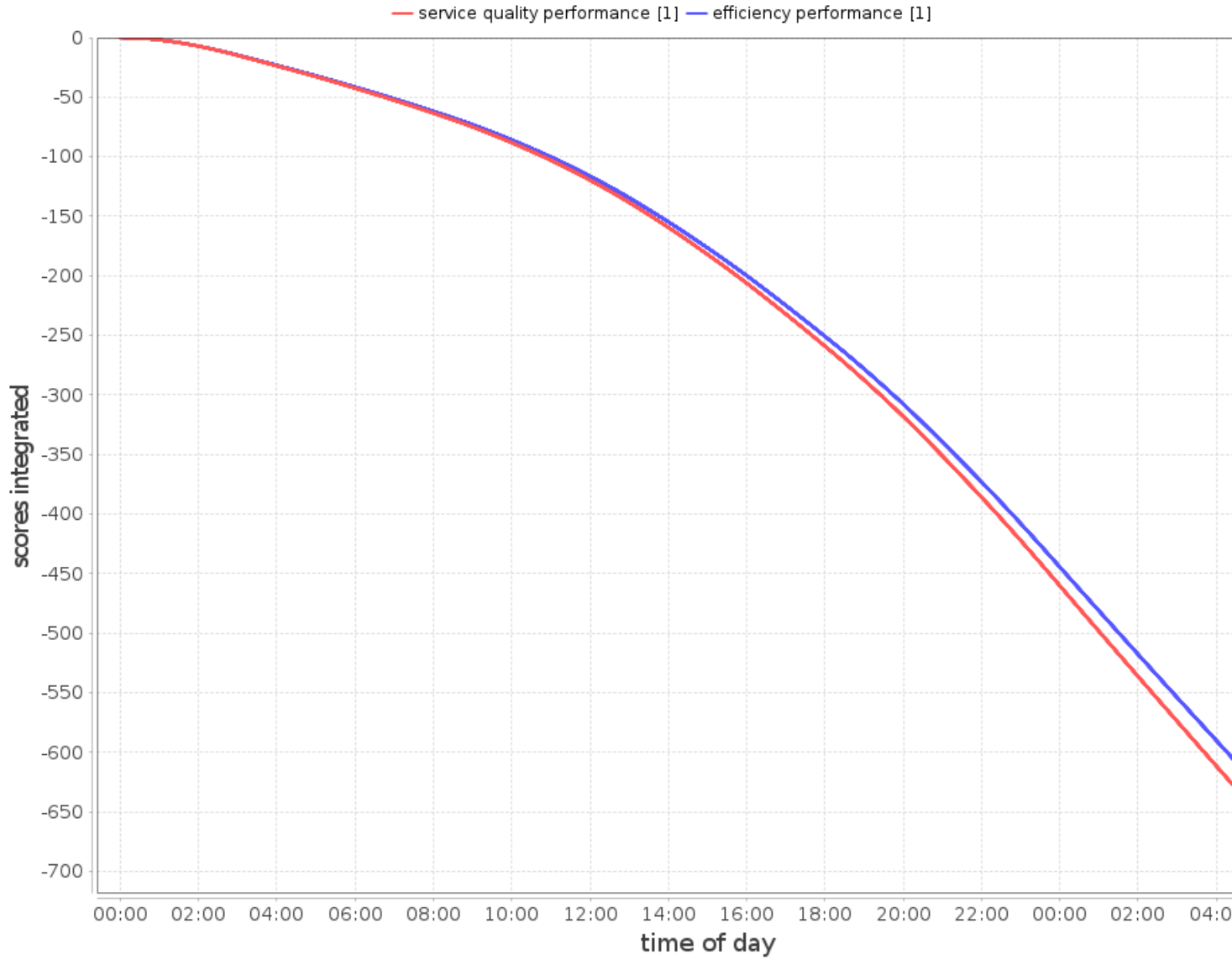
## Aido Scores

### Scores during Simulation

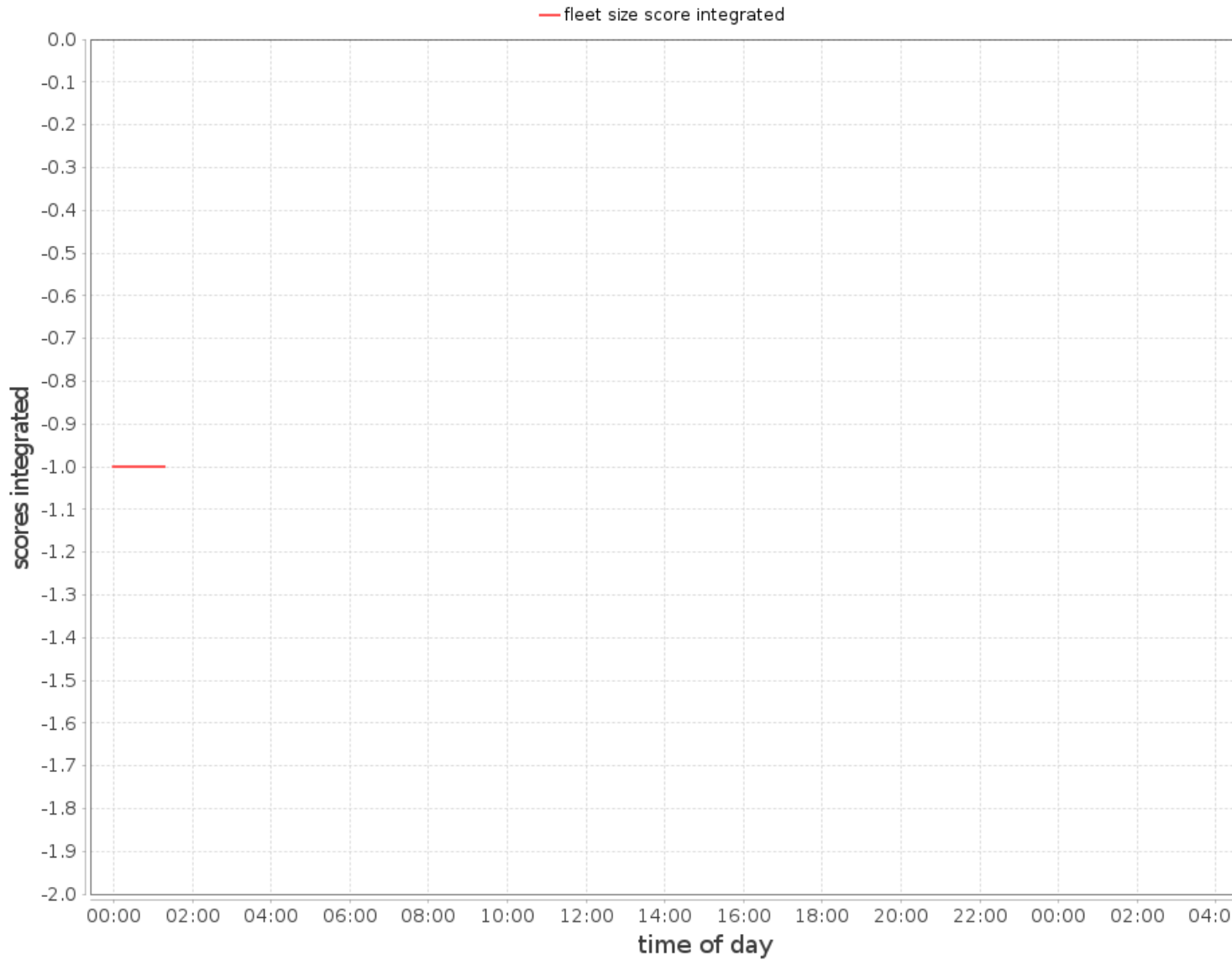
# Service Quality and Efficiency Score Increments



# Service Quality and Efficiency Score Integrated



## Fleet Size Score Integrated



### Final Scores

final service quality score: -685.8640062811282  
final efficiency score: -661.6822651244895  
final fleet size score: -Infinity

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