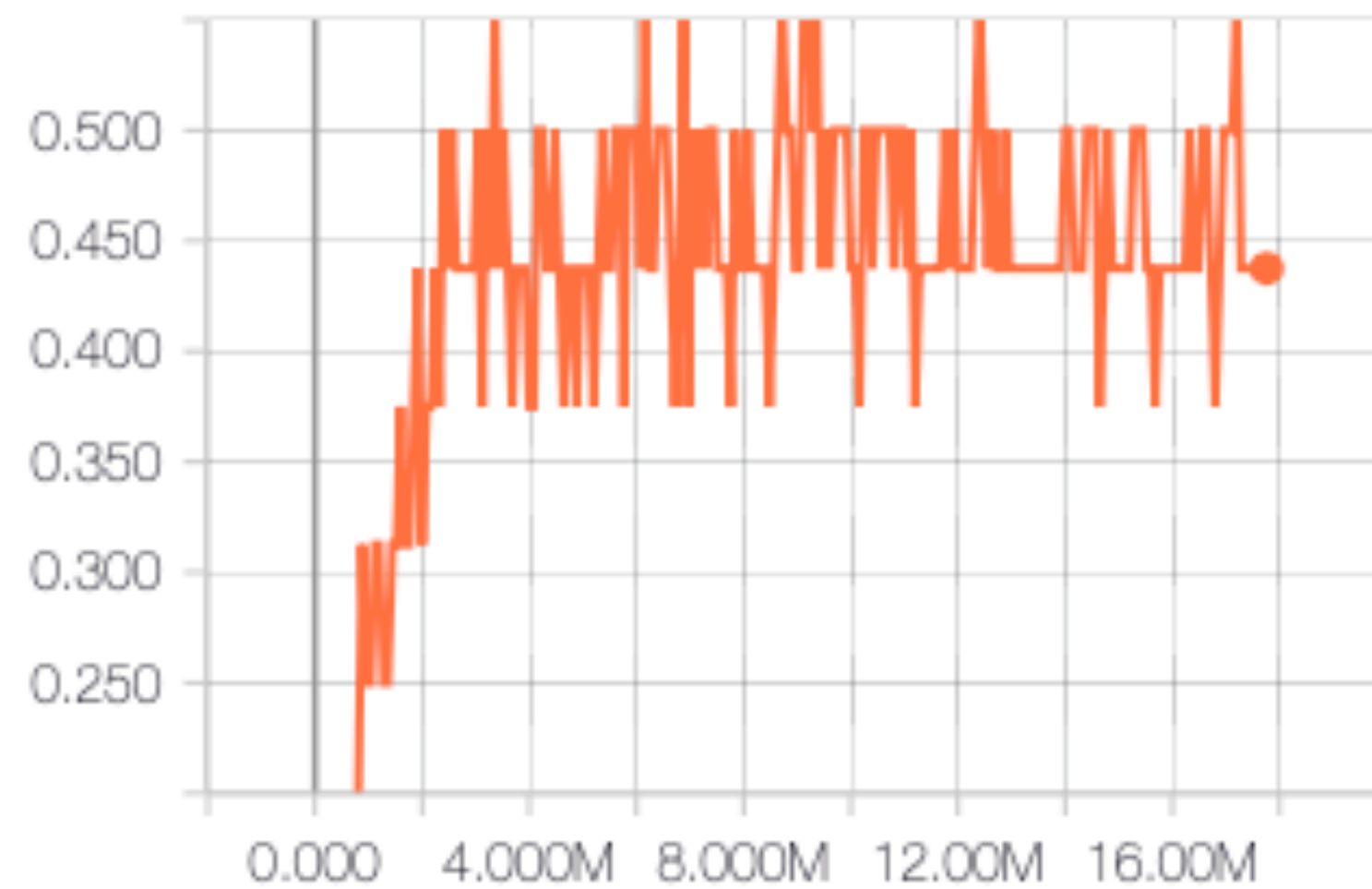
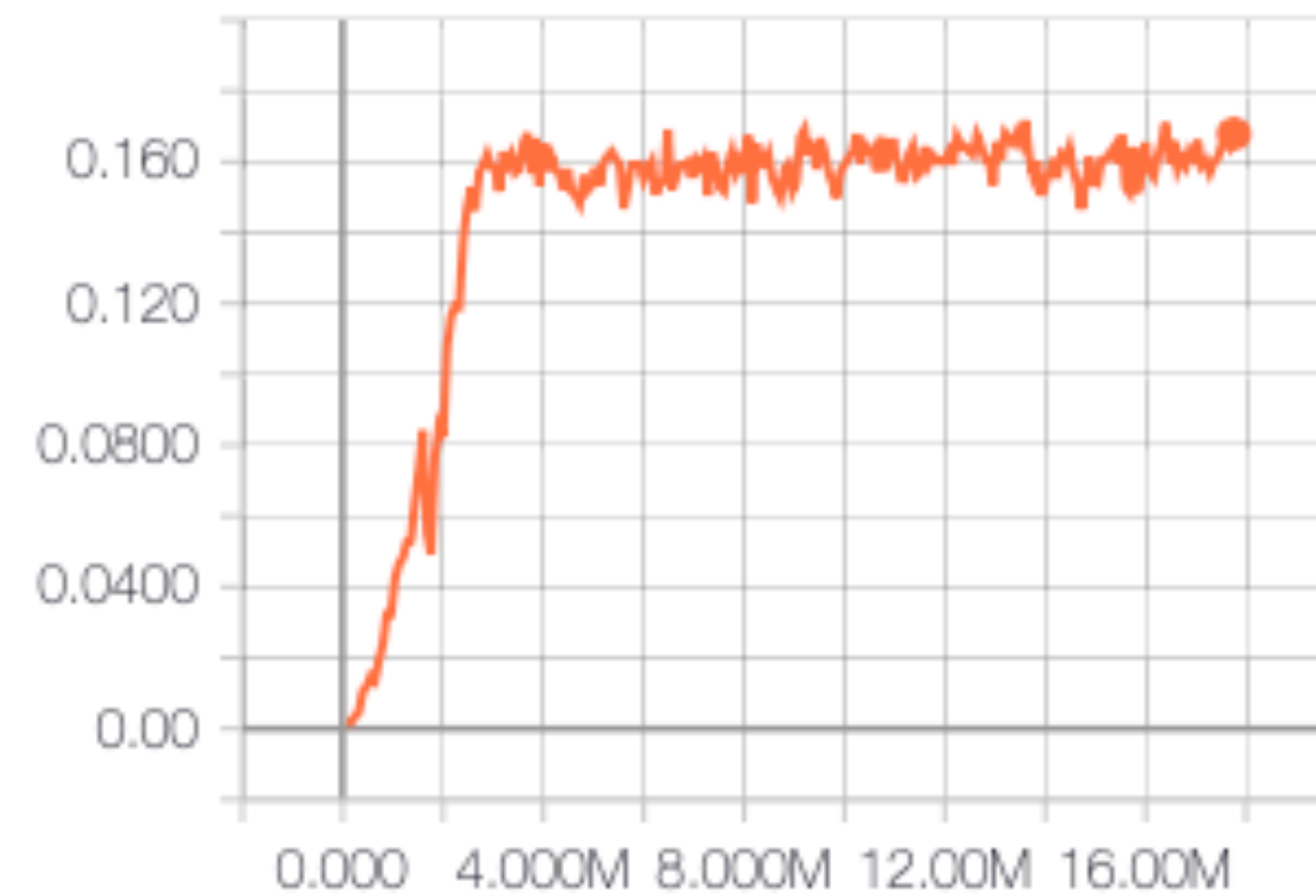


# Discussion of large batch training

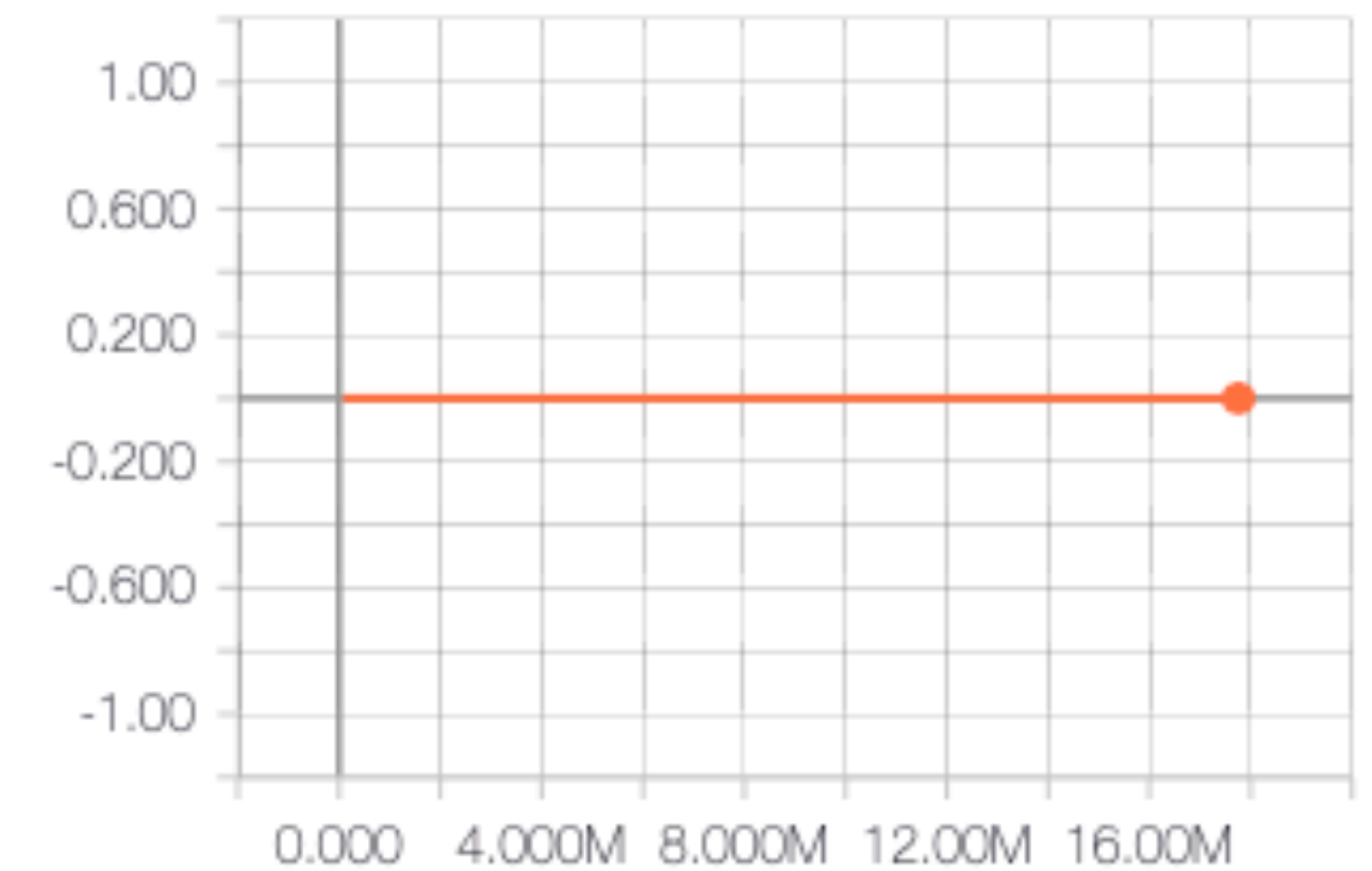
Maximum Success Rate



Averaged Success Rate



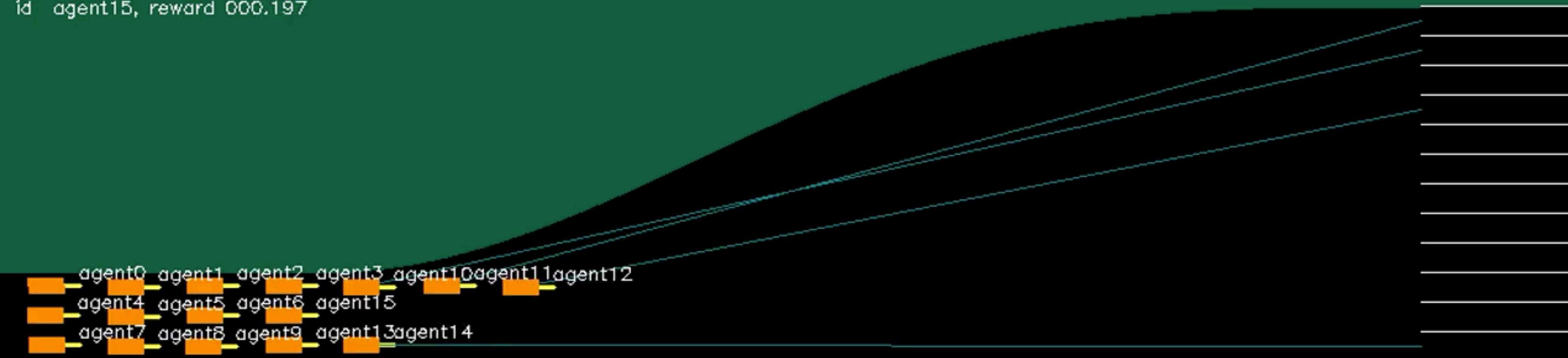
Minimum Success Rate



- Success Rate comes from “tollgate assignment”. As you can see from video.
- In other words, agents fails to learn focusing on their own target tollgate.

# Emergence of “intelligent behaviors”

```
id  agent0, reward 000.595
id  agent1, reward 000.546
id  agent2, reward 000.363
id  agent3, reward 000.240
id  agent4, reward 000.598
id  agent5, reward 000.046
id  agent6, reward 000.438
id  agent7, reward 000.560
id  agent8, reward 000.577
id  agent9, reward 000.504
id  agent10, reward 000.474
id  agent11, reward 000.121
id  agent12, reward 000.110
id  agent13, reward 000.580
id  agent14, reward 000.567
id  agent15, reward 000.197
```



PPO-0409-2 10-iters

- At 10th iteration
- Randomly drive.
- With diversified directions.