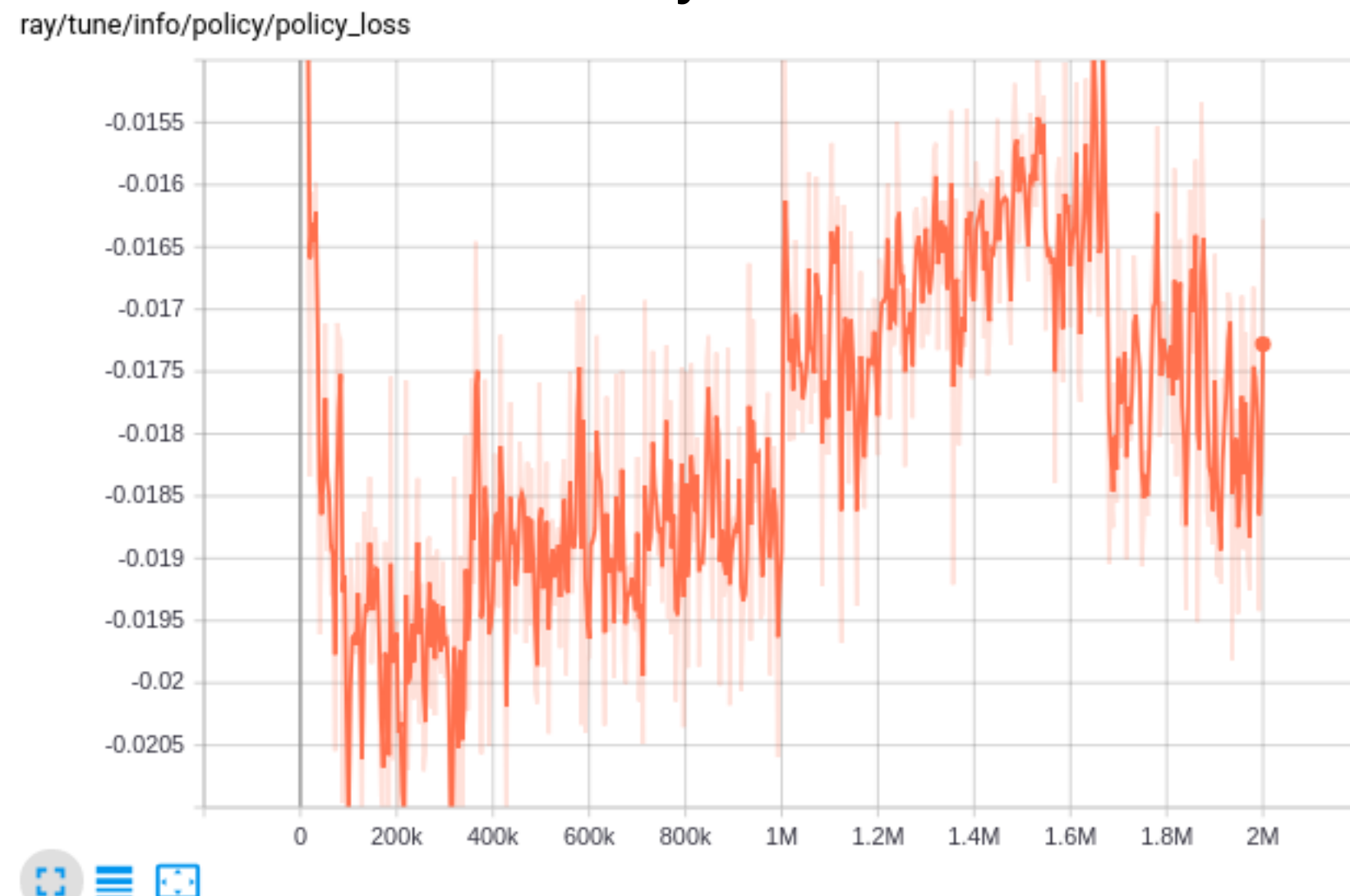# Discussion of small batch training
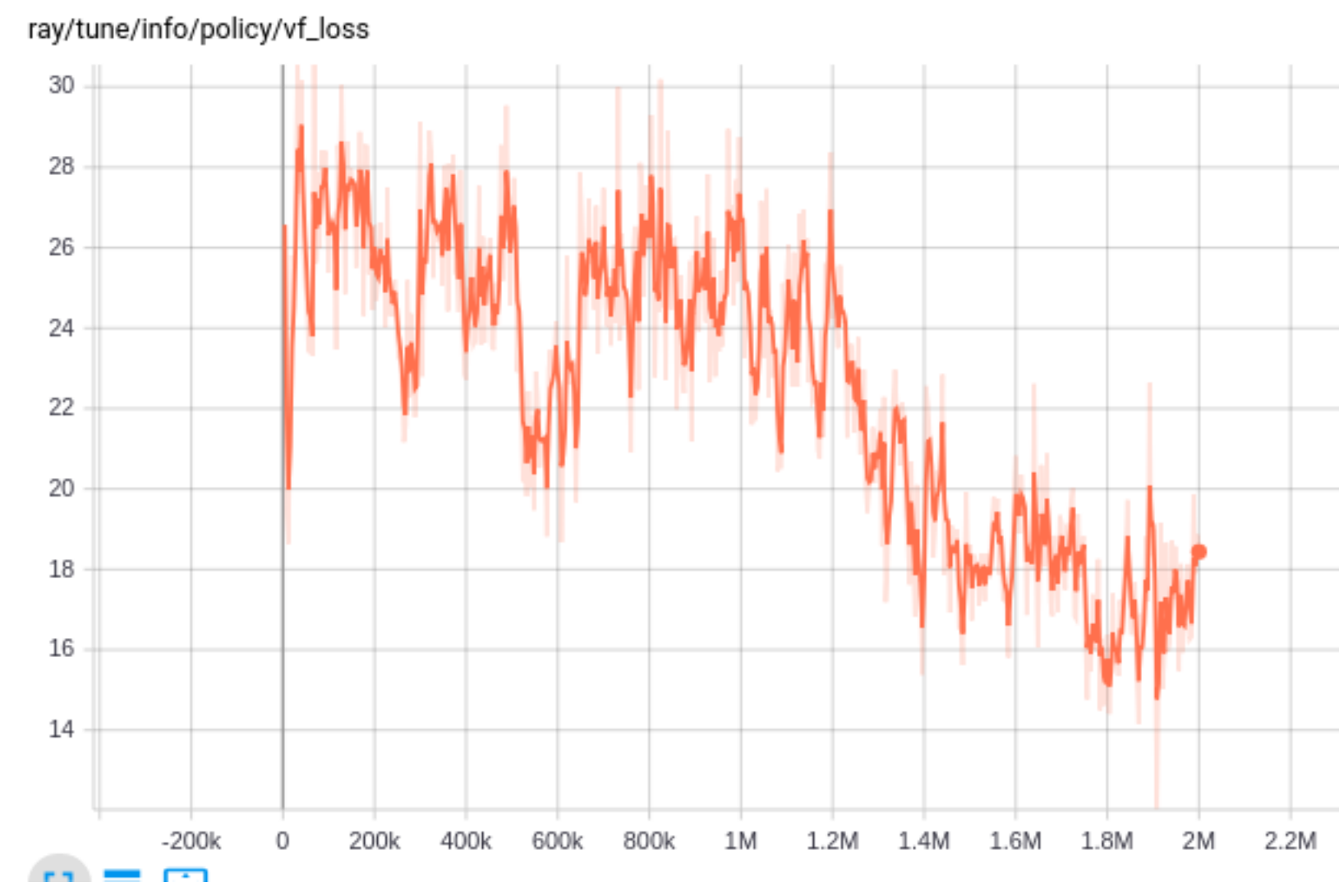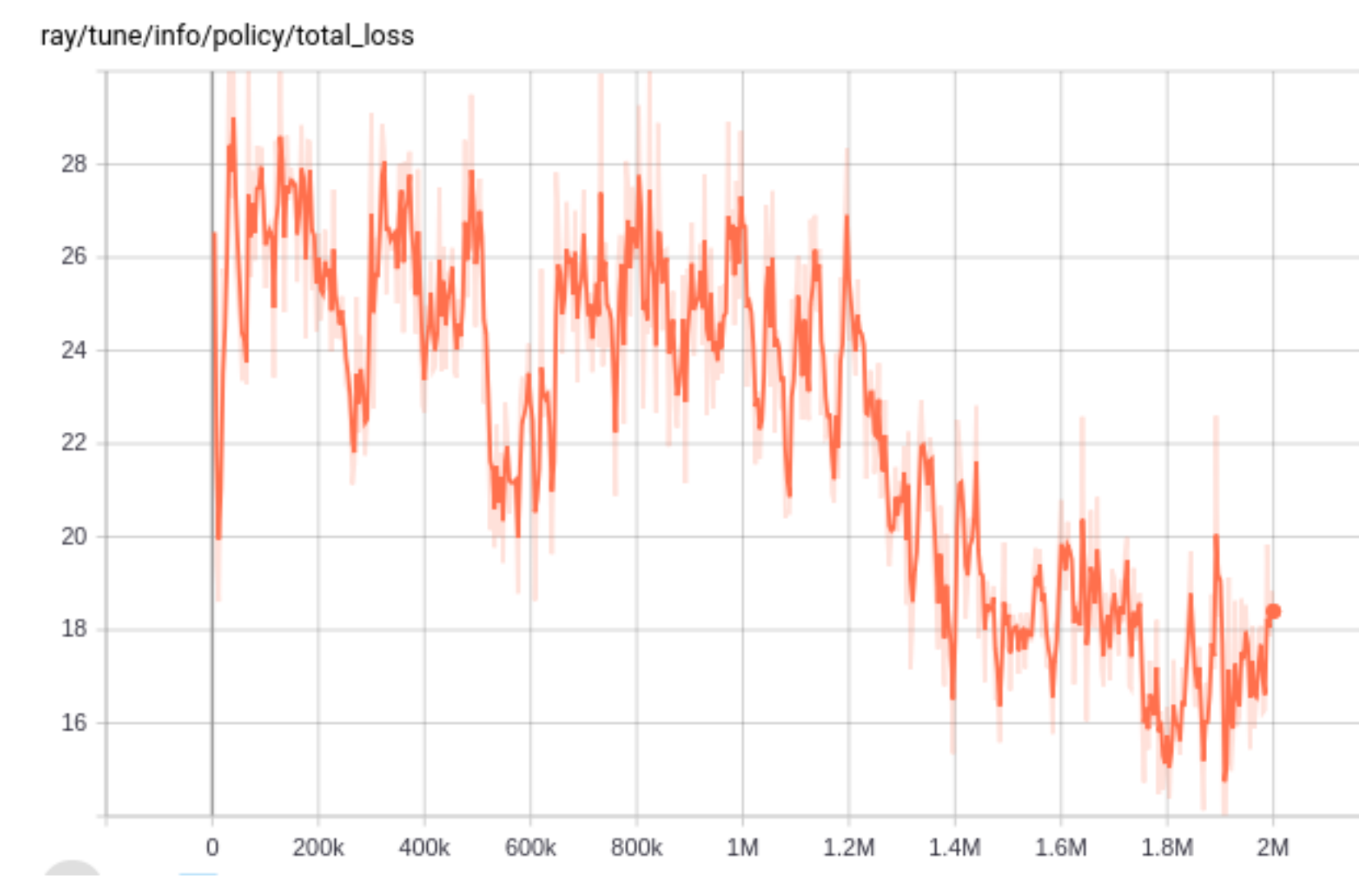

Policy Loss

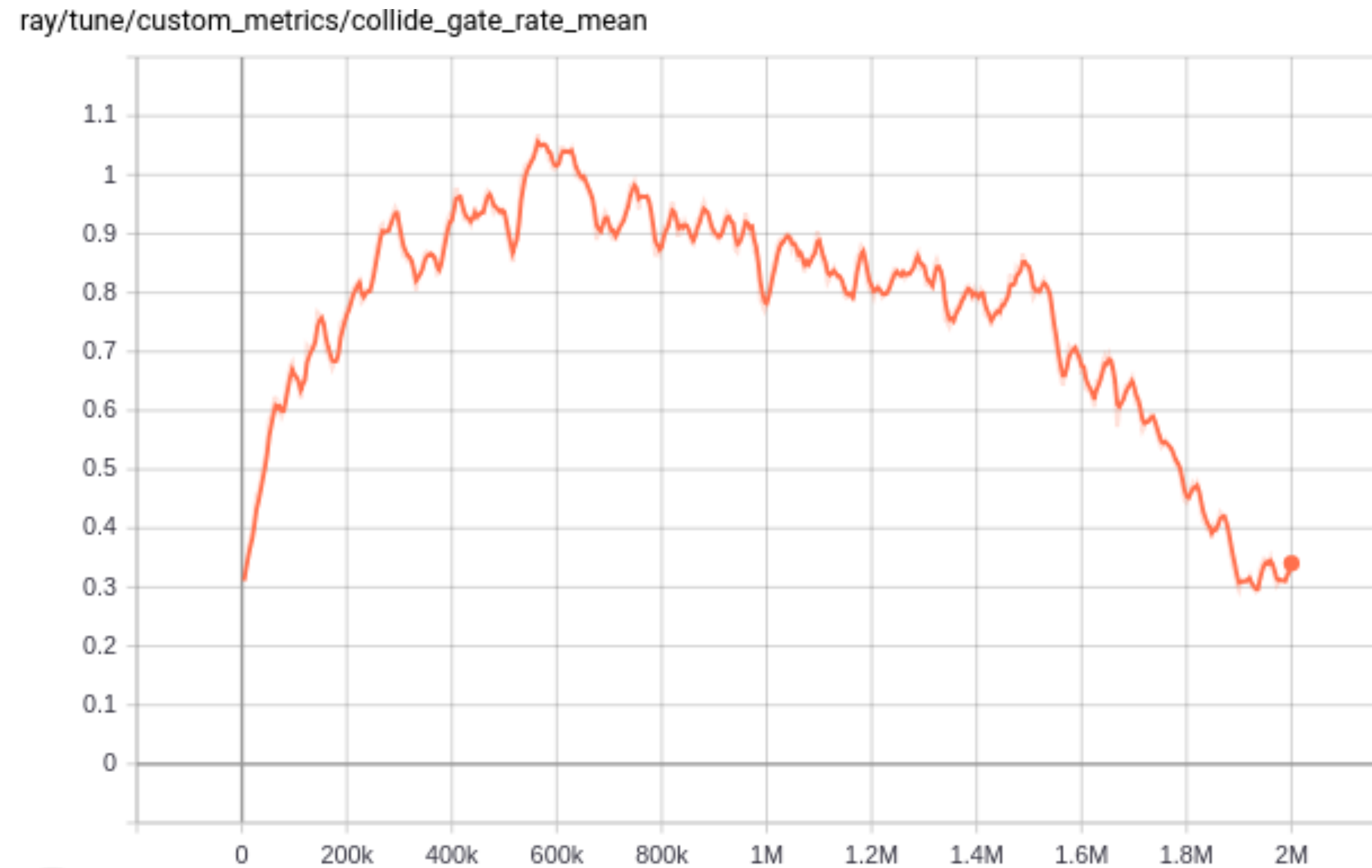Value Loss

Total Loss

- Though policy loss increasing, value loss predominates the learning, due to greater magnitude.

Discussion of small batch training

ray/tune/custom_metrics/collide_gate_rate_mean

- Gate Collision Rate increase followed by decreasing.

- Agents first learn how to achieve tollgate area, then learn how to avoid gate collision.

- *Note that the values is wrong in this figure. It should times (9/16), due to a tiny bug which has been fixed.*