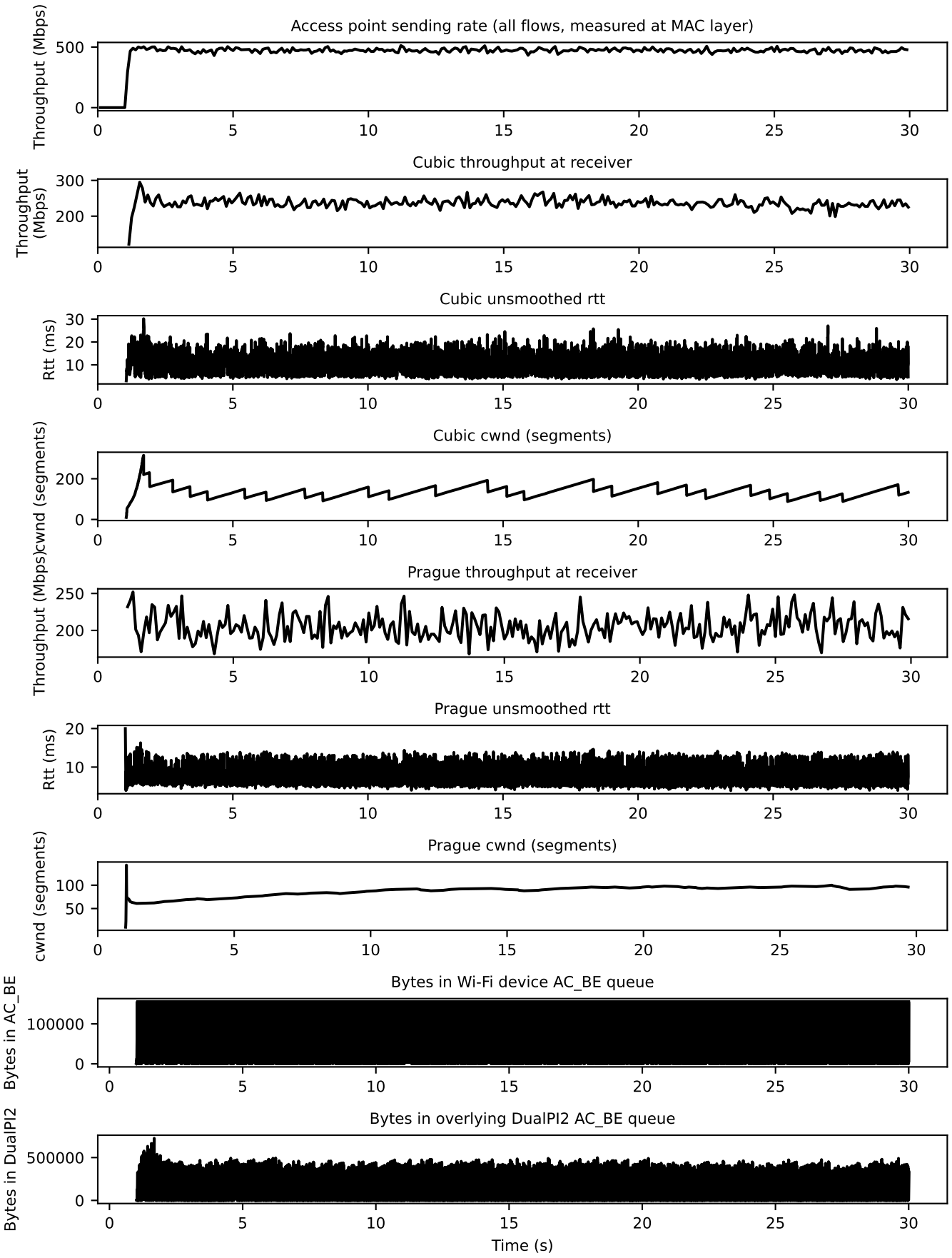Simulation ED2-MS0-AP1-LS2-TC4-TS1