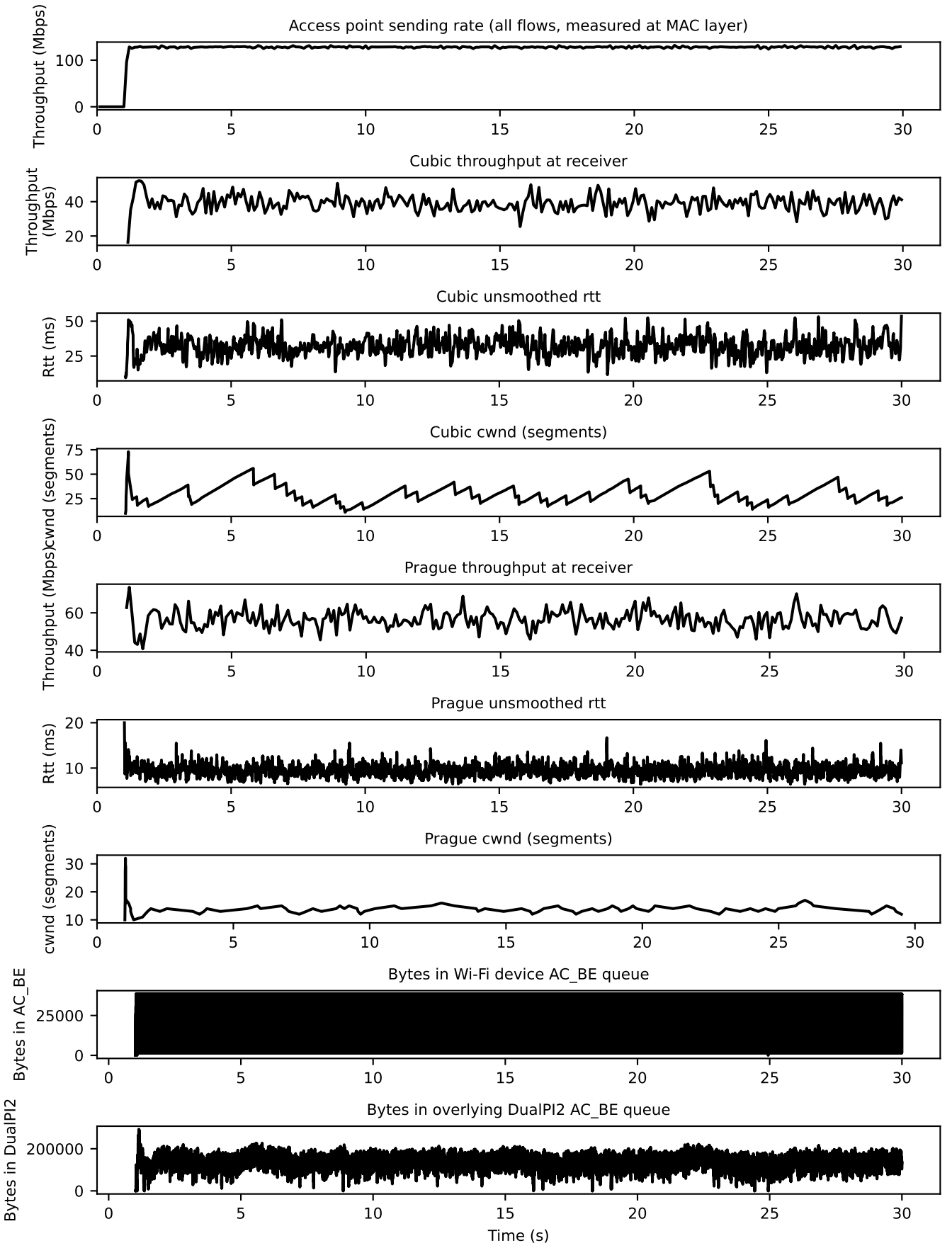Simulation ED2-MS0-AP1-LS1-TC5-TS1