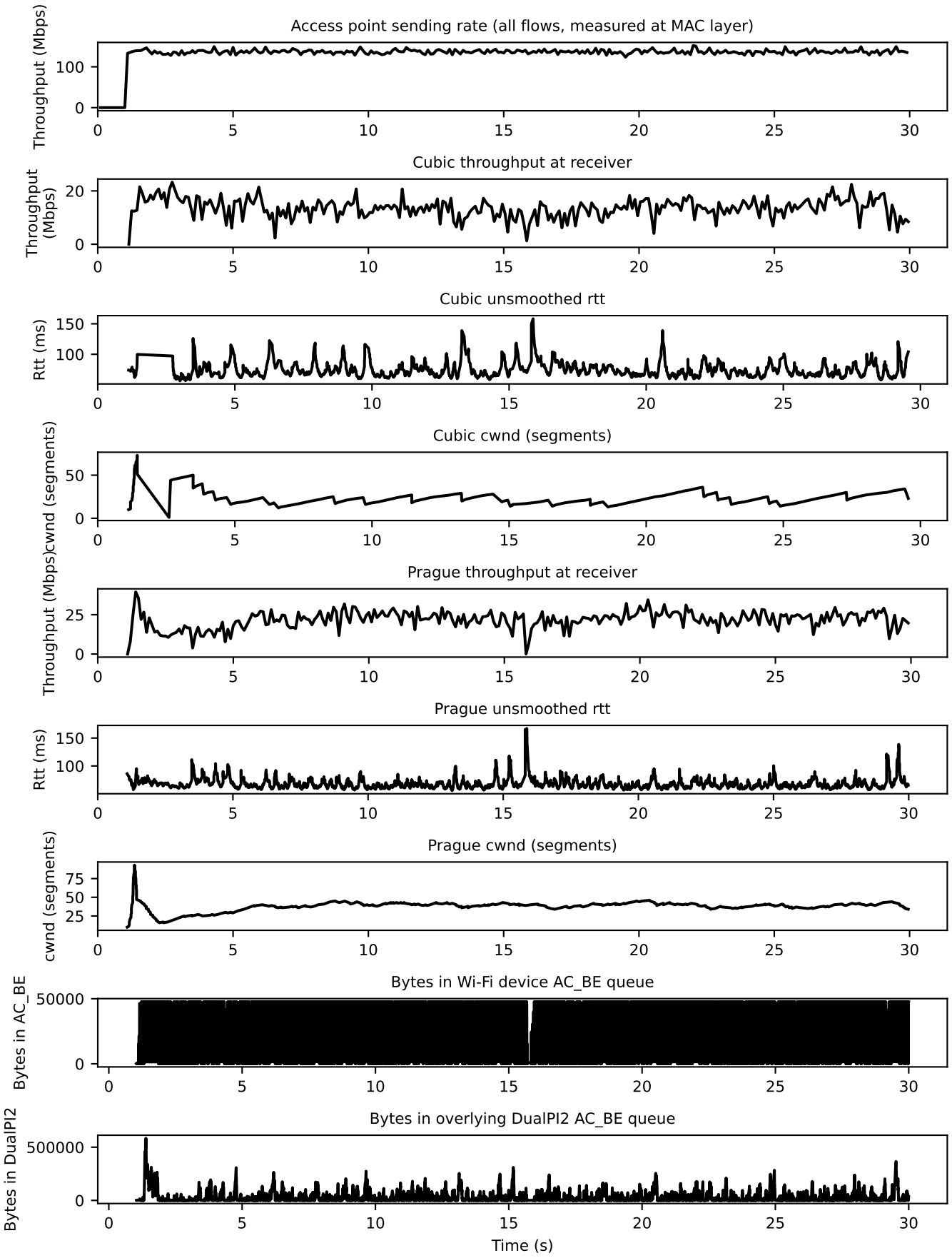Simulation ED0-MS1-AP1-LS1-TC5-TS3