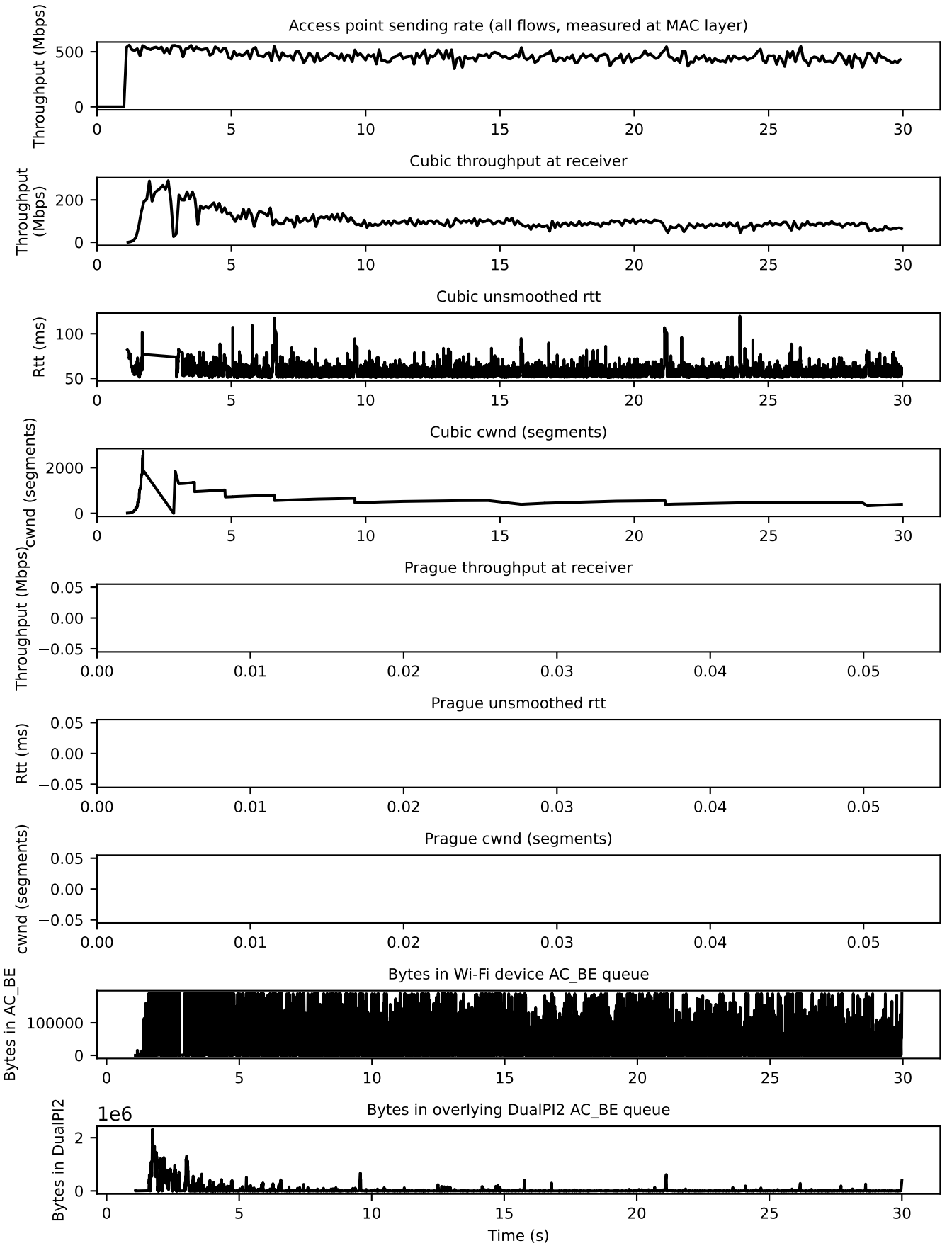Simulation ED0-MS1-AP1-LS2-TC1-TS3