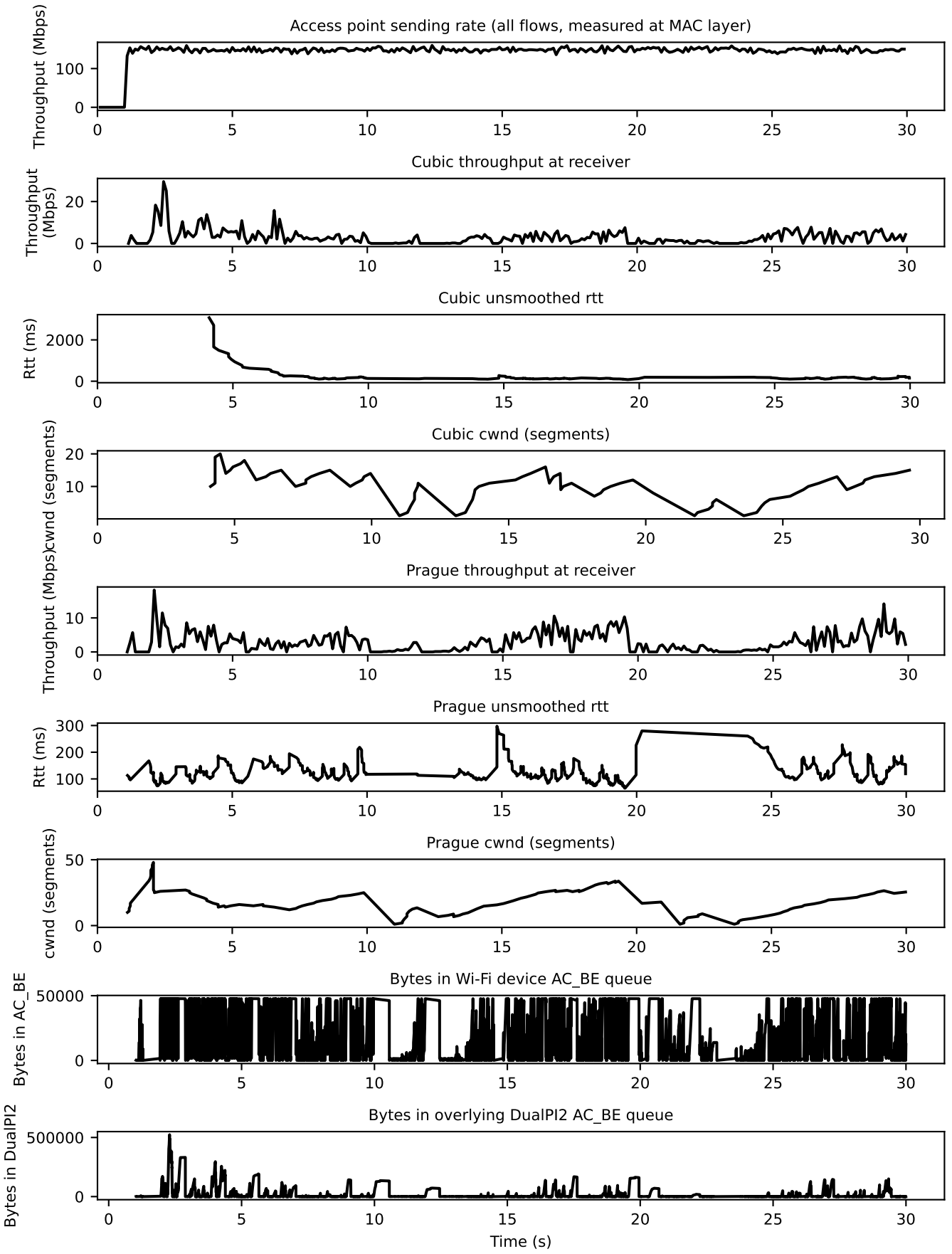Simulation ED0-MS2-AP1-LS1-TC5-TS3