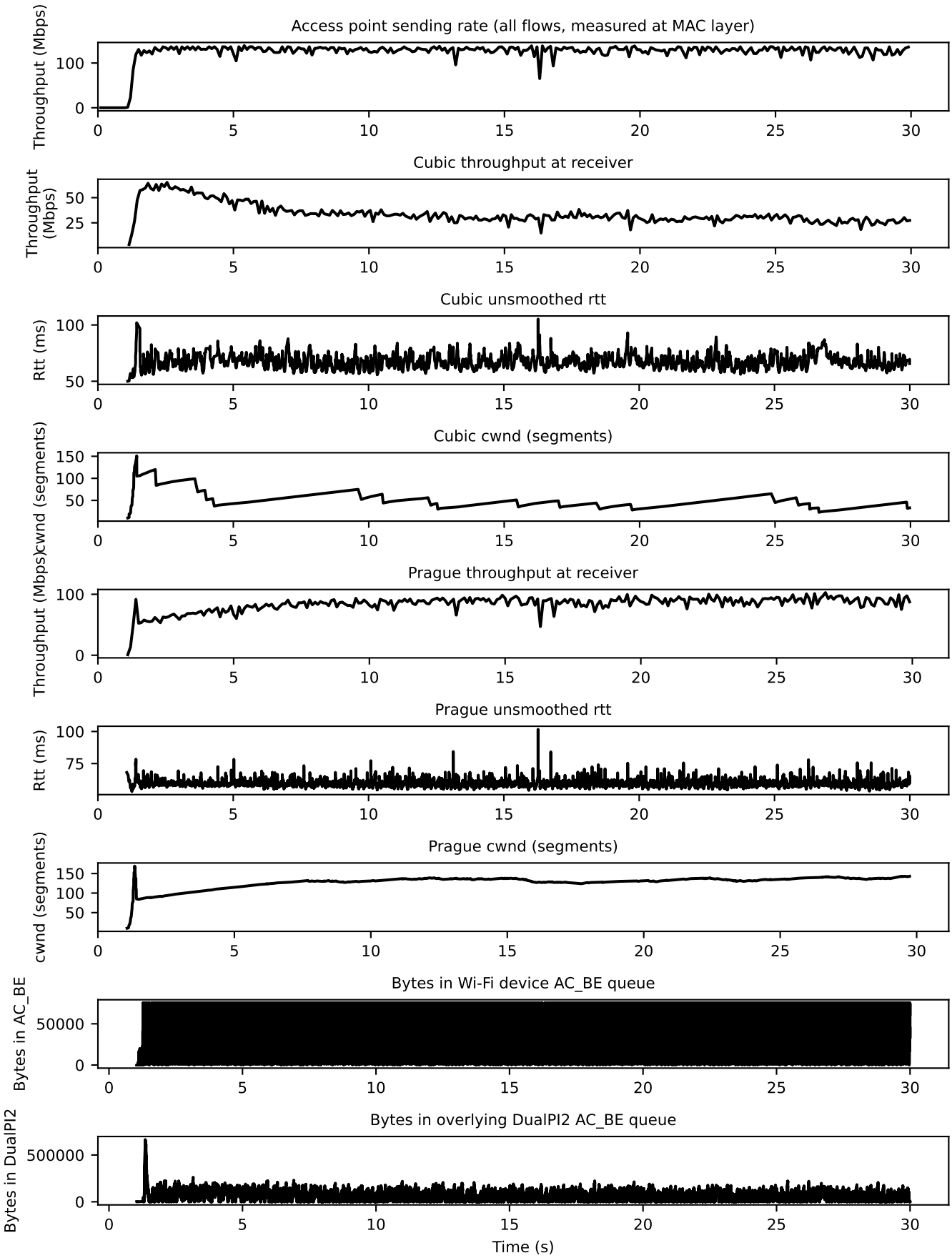Simulation ED1-MS0-AP1-LS1-TC5-TS3