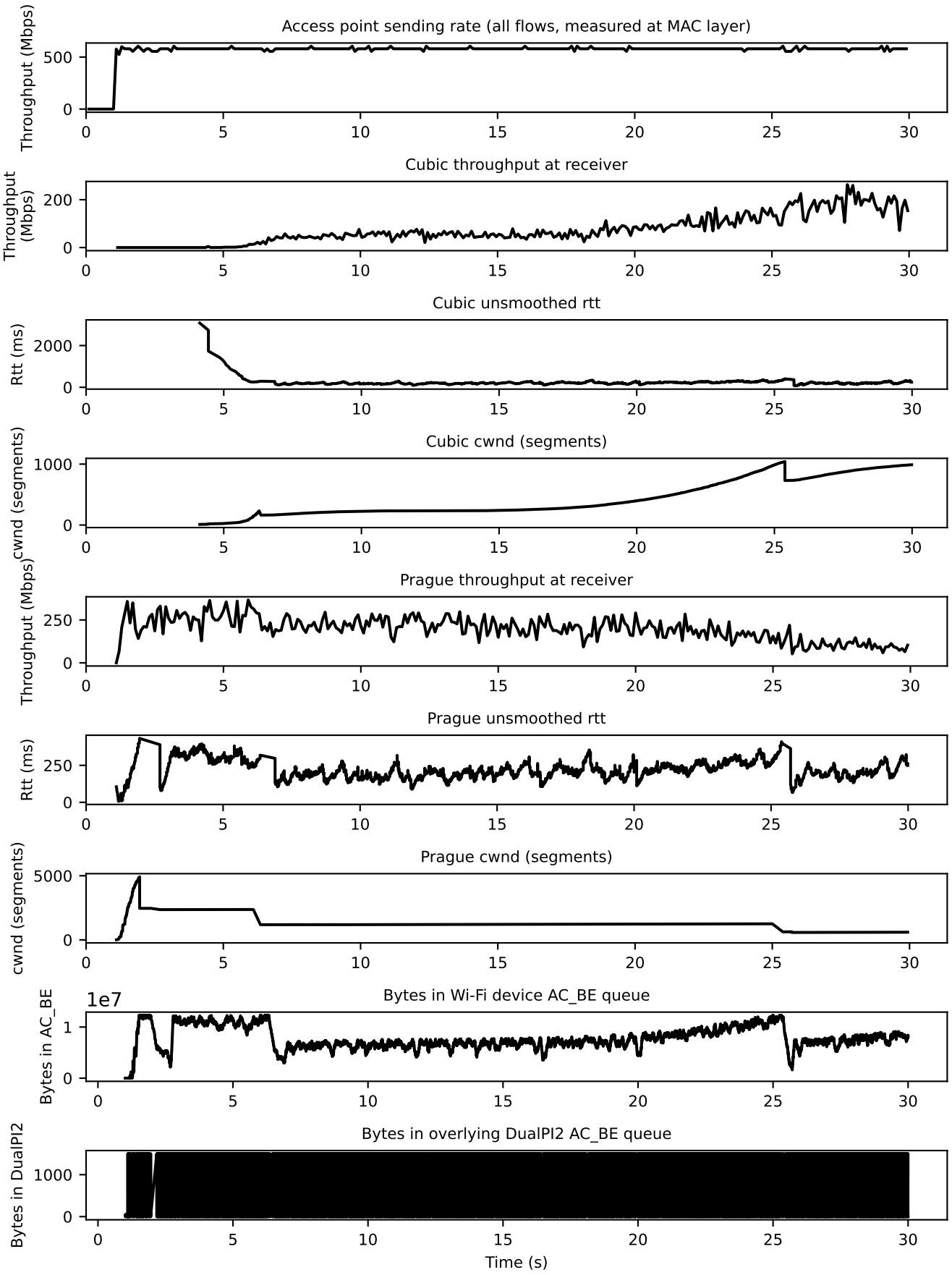Simulation ED1-MS1-AP0-LS2-TC5-TS1