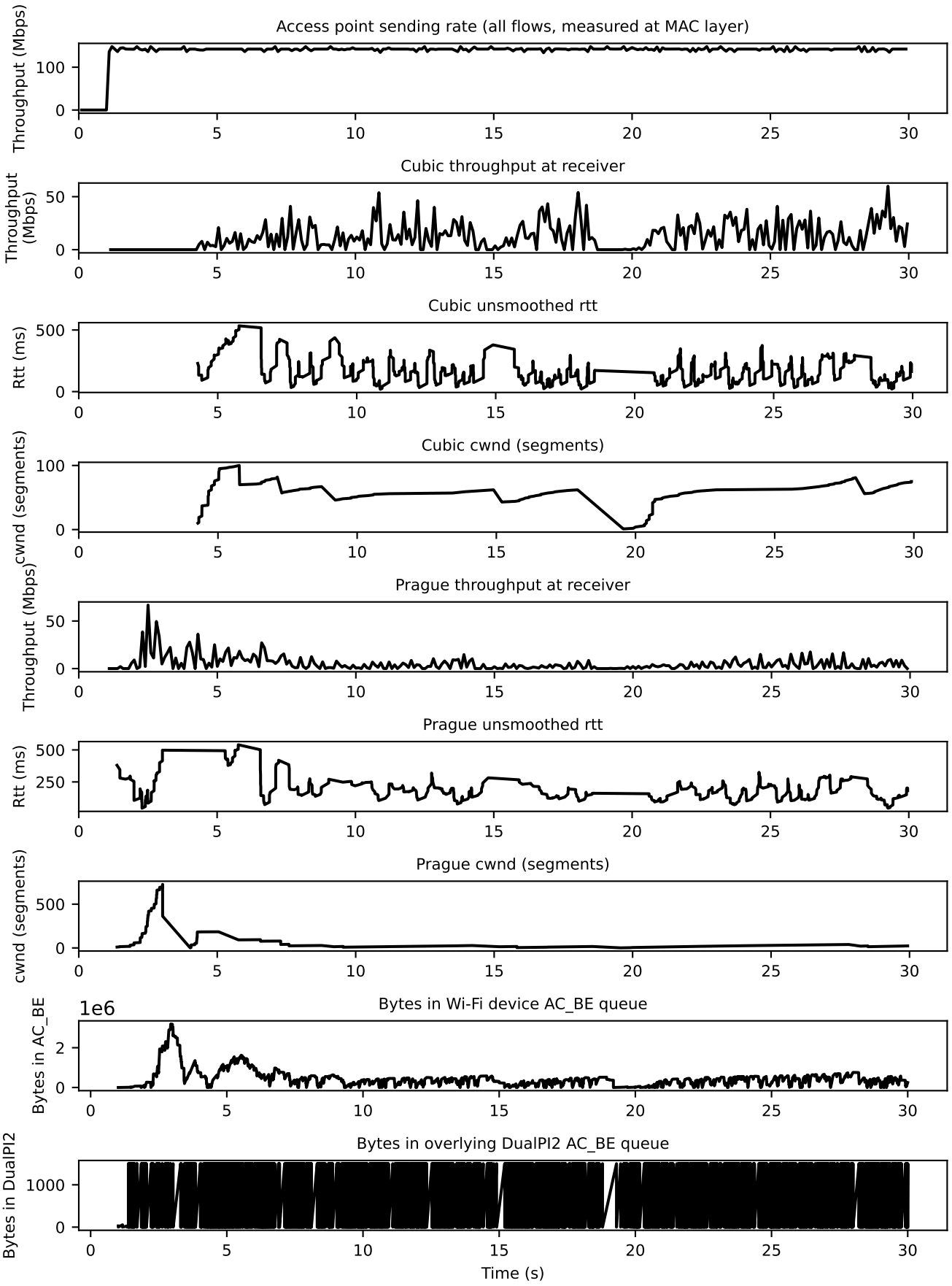Simulation ED1-MS1-AP0-LS1-TC5-TS2