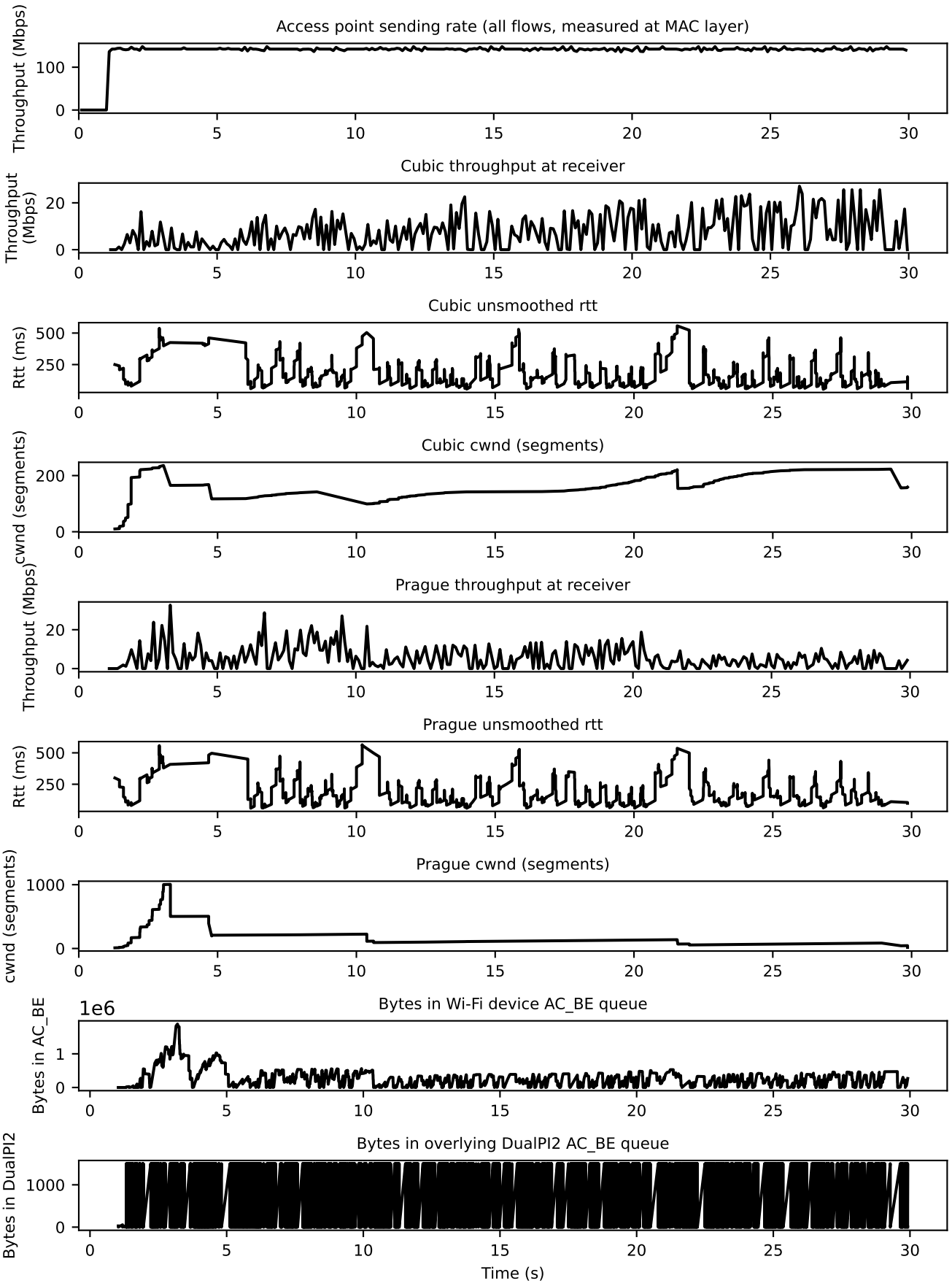Simulation ED1-MS1-AP0-LS1-TC3-TS3