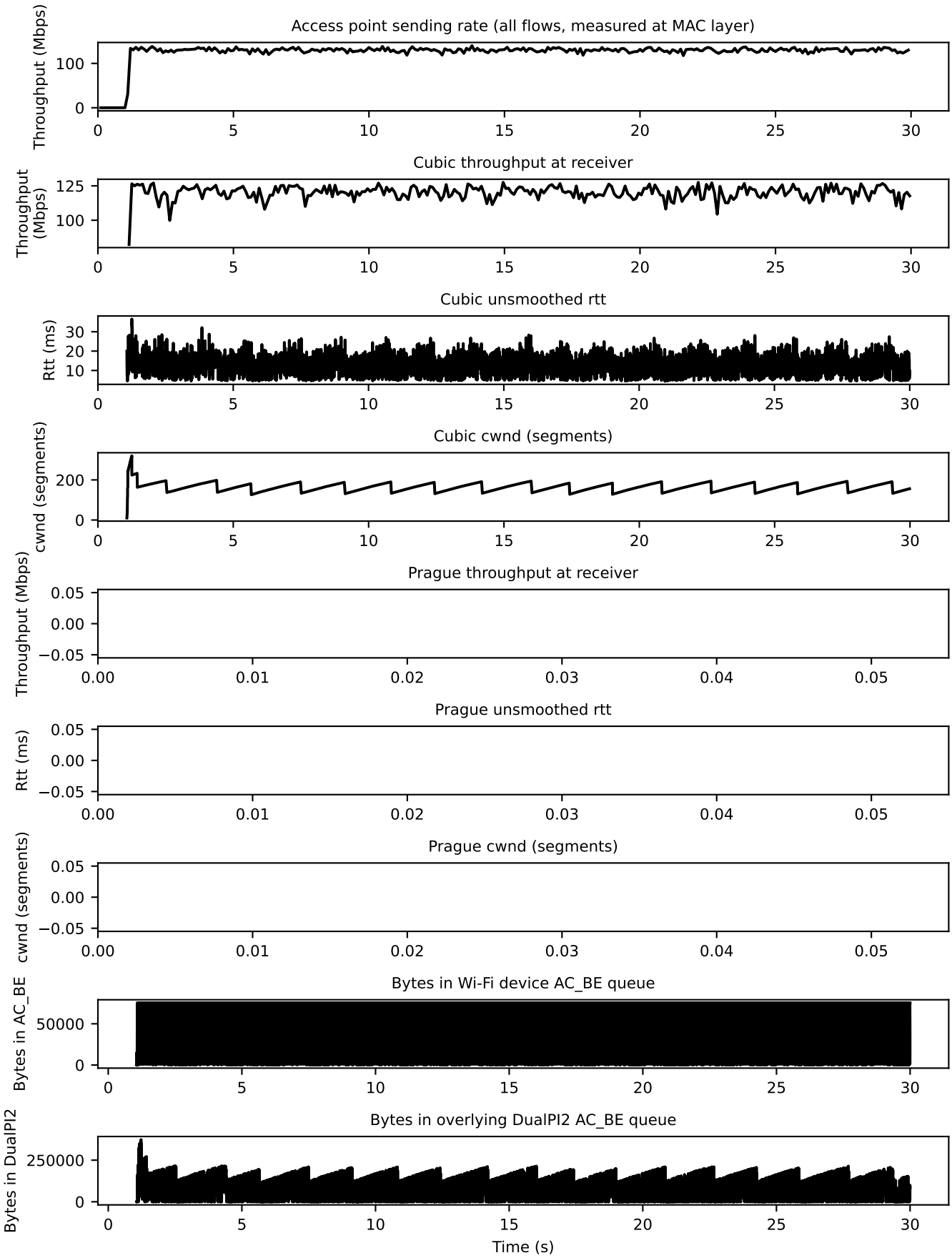Simulation ED1-MS0-AP1-LS1-TC1-TS1