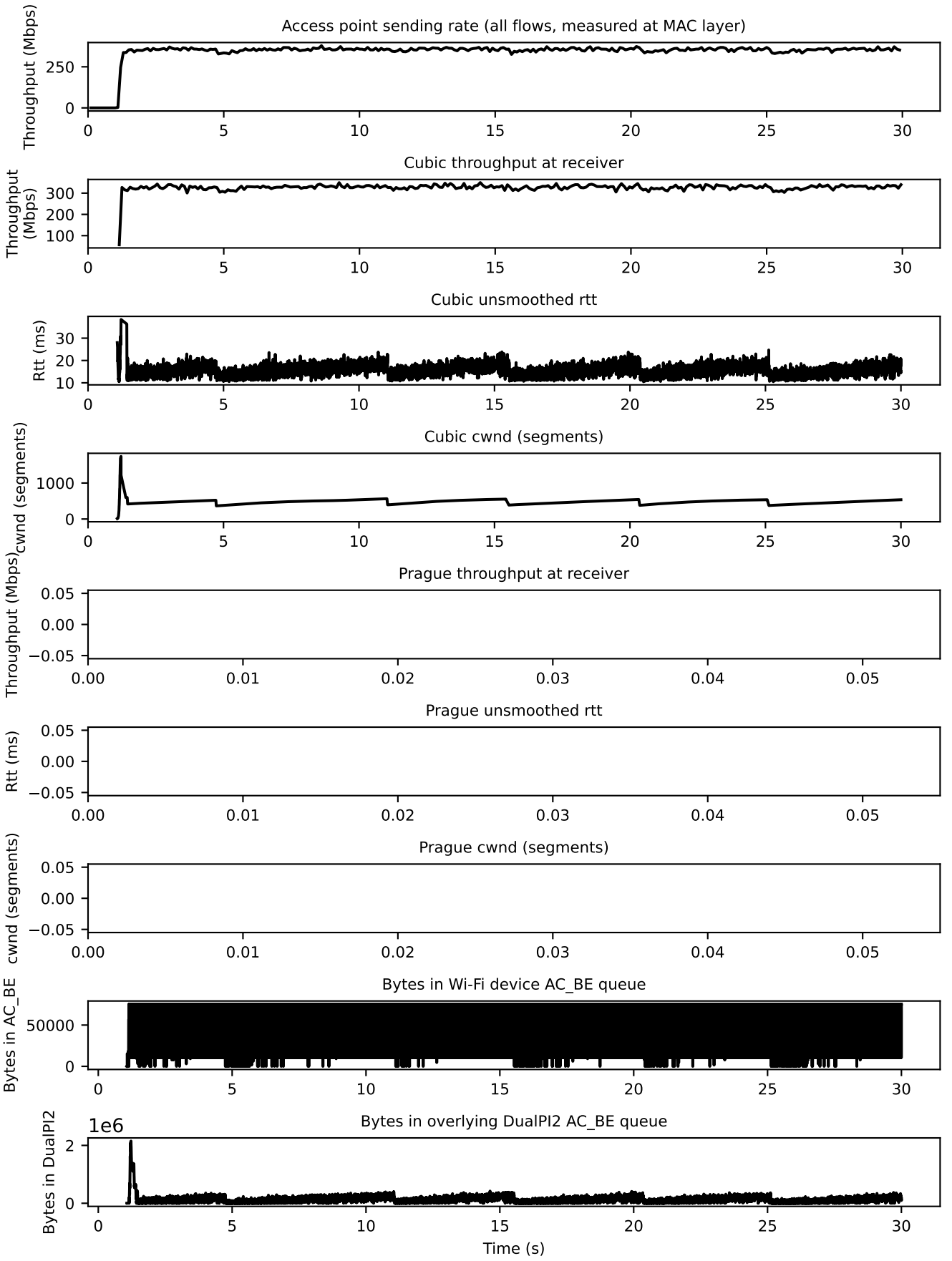Simulation ED4-MS0-AP1-LS2-TC1-TS2