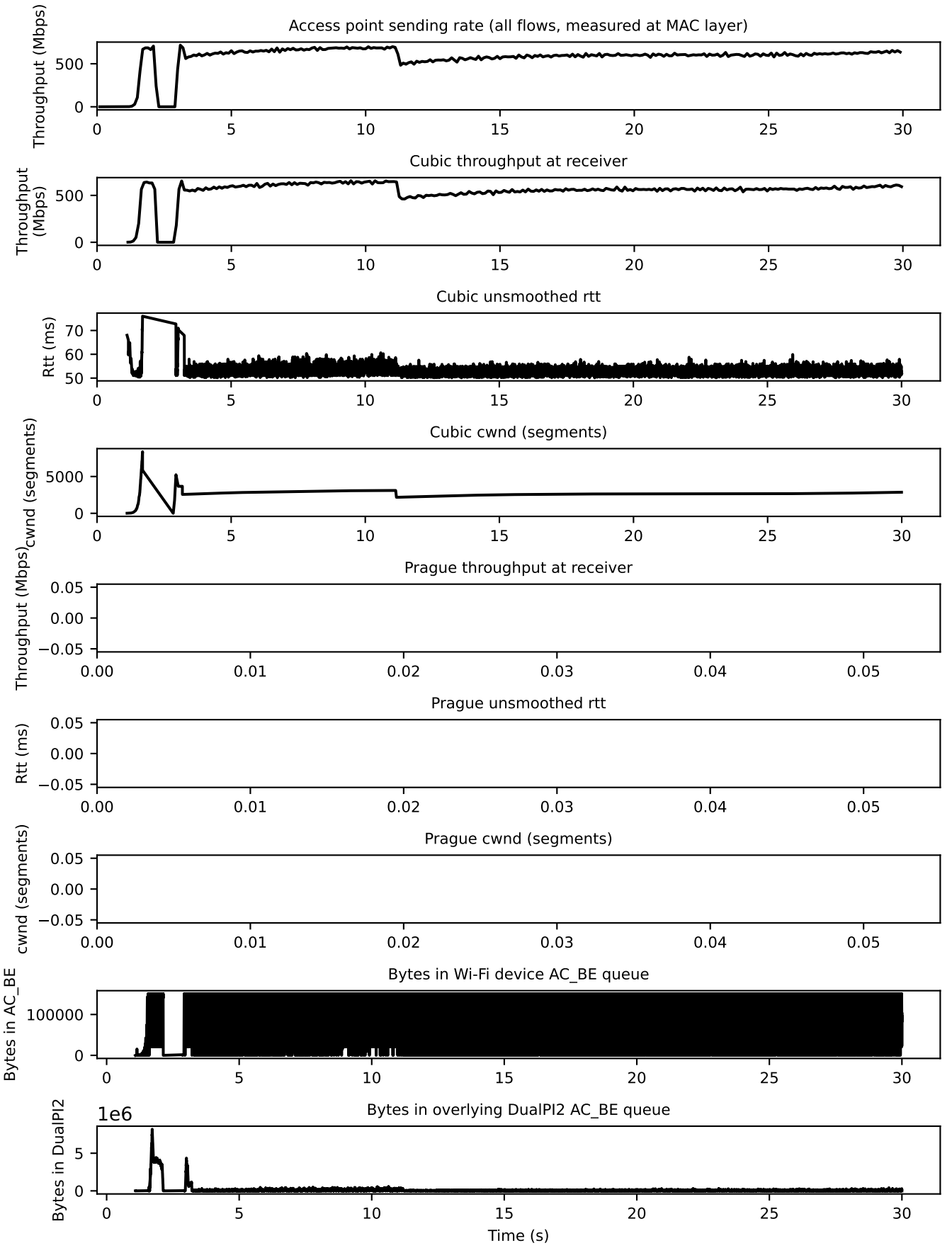Simulation ED4-MS0-AP1-LS3-TC1-TS3