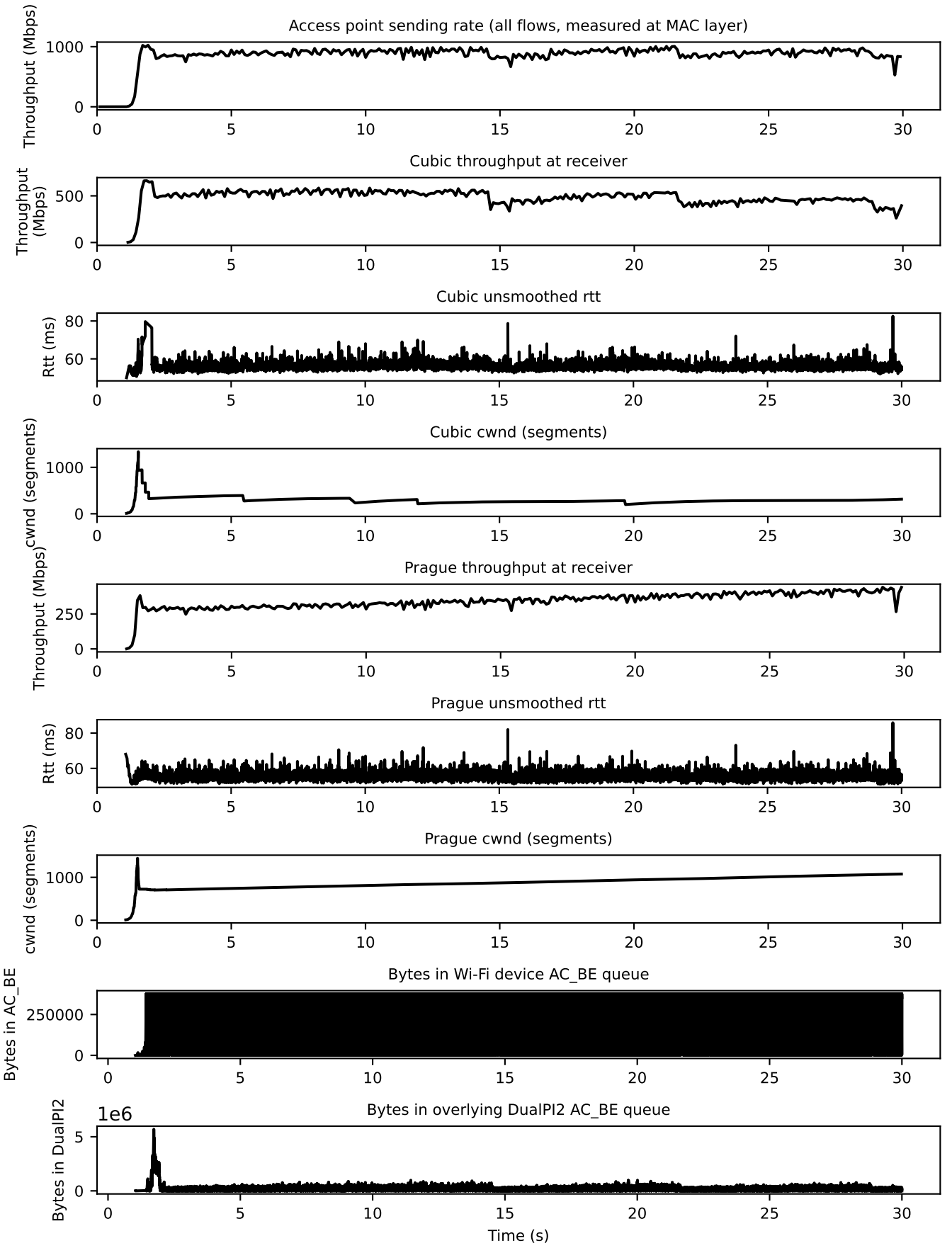Simulation ED0-MS0-AP1-LS3-TC4-TS3