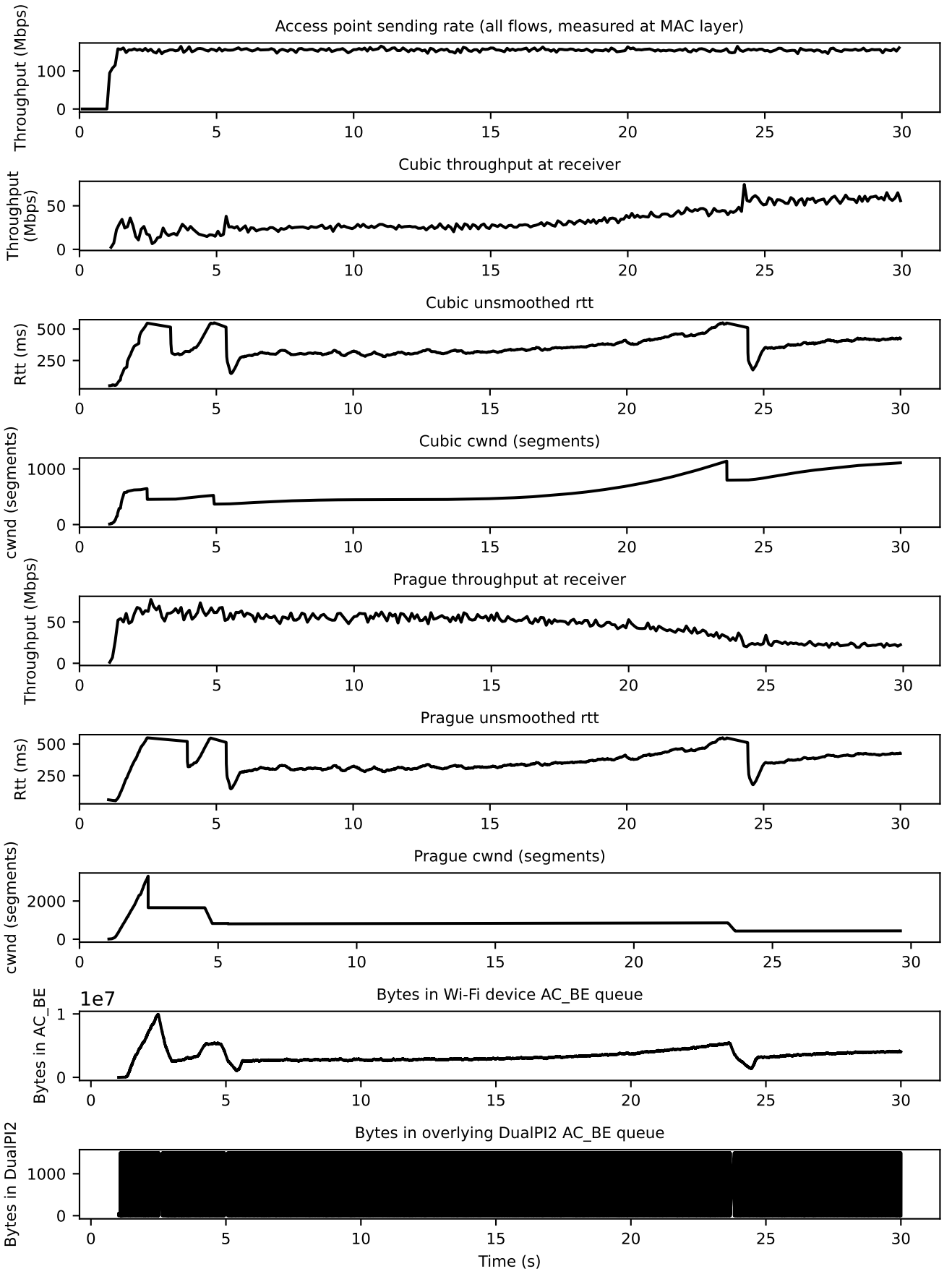Simulation ED5-MS2-AP0-LS2-TC4-TS3