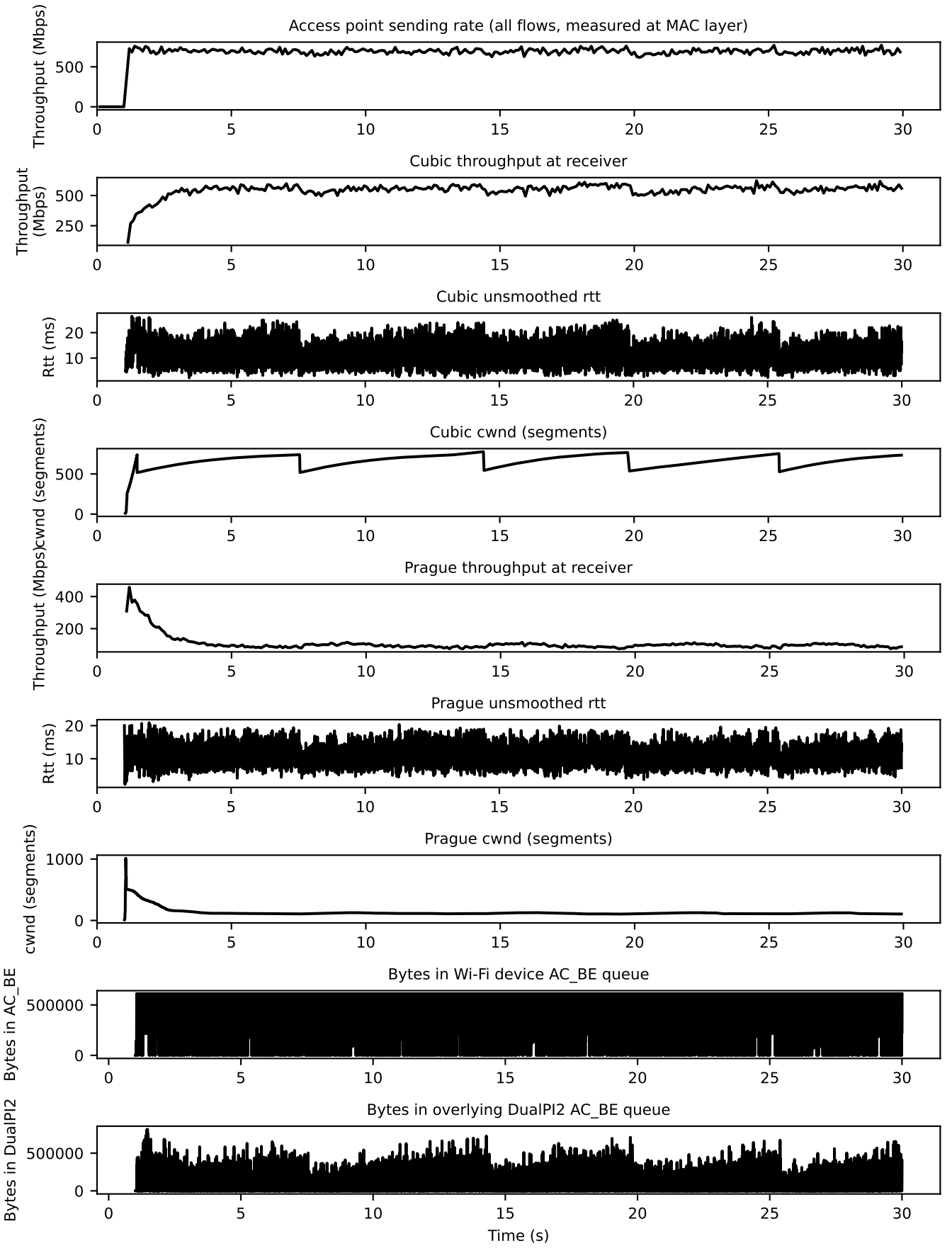Simulation ED1-MS0-AP1-LS3-TC3-TS1