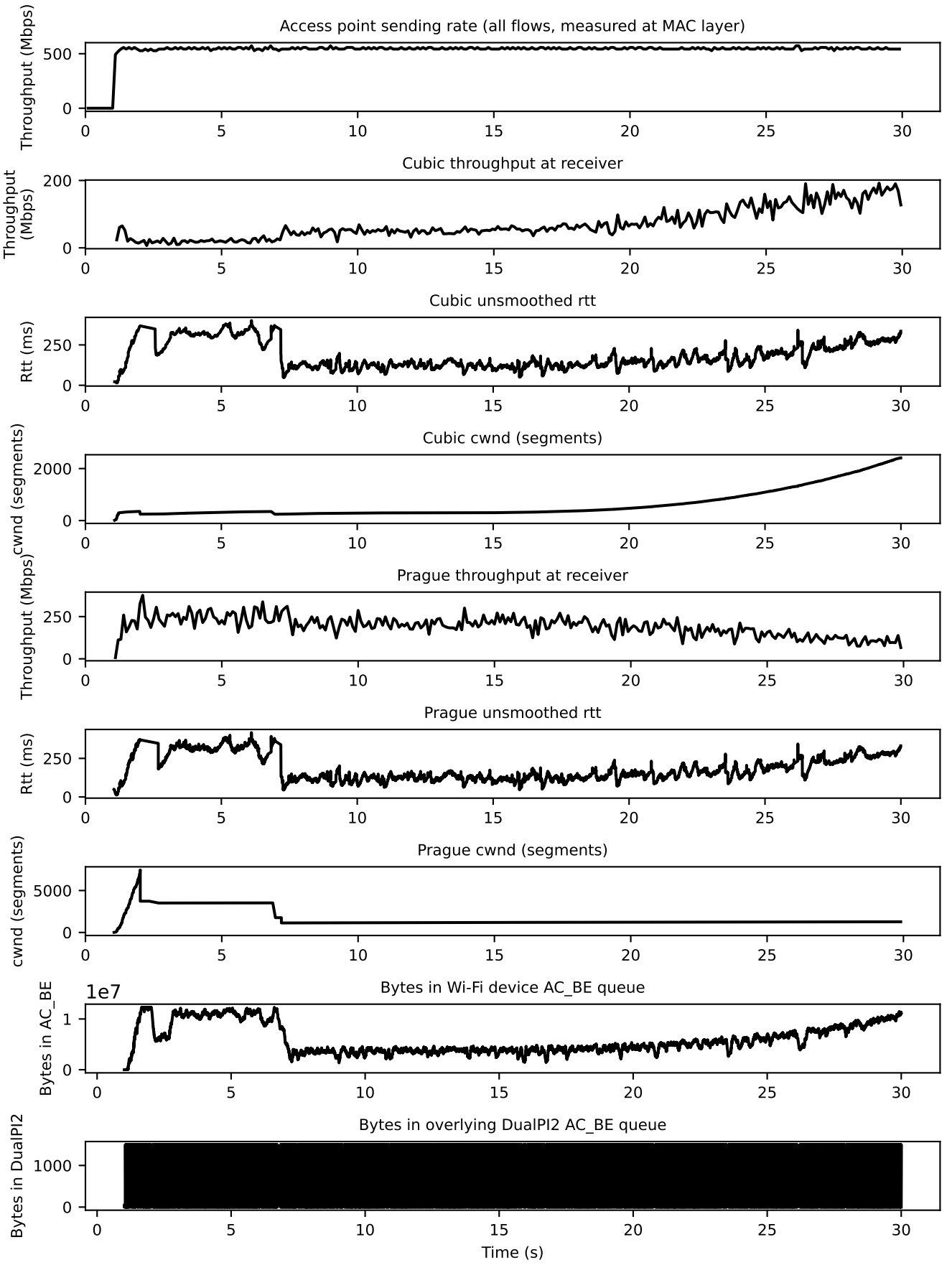Simulation ED0-MS1-AP0-LS2-TC4-TS2