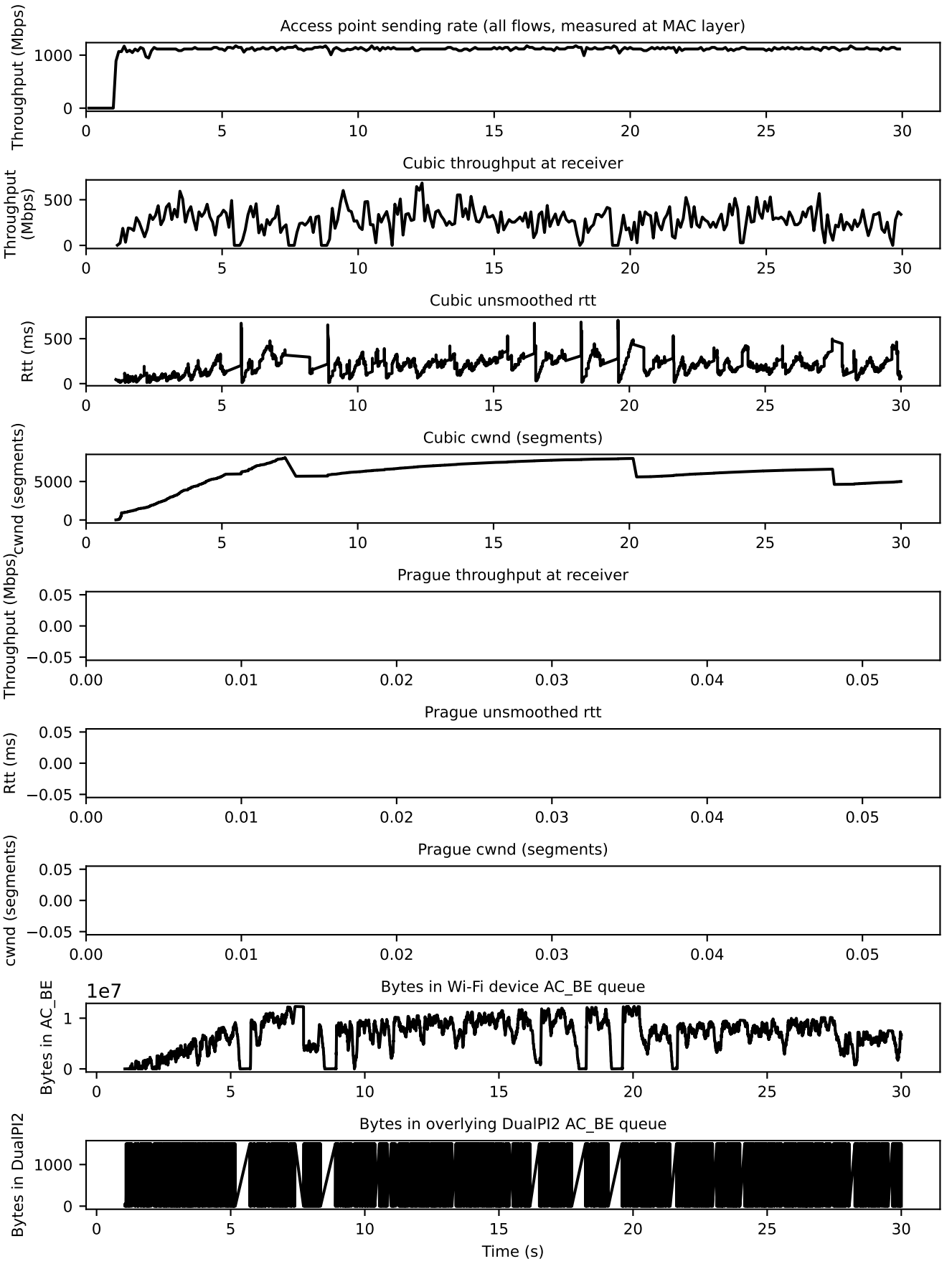Simulation ED0-MS2-AP0-LS3-TC1-TS2