Energy variation dE/E during the simulation 1e-6 0.9 0.01 8.0 0.7 Eccentricity 0.0001 0.6 1e-06 0.5 0.4 1e-08 0.3 0.2 1e-10 0.1 1e-12 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 Semi-major axis (AU)