L_2 Horizontal Lyapunov ($H_{lt}=-1.550, a_{lt}=0.10$) - Numerical continuation validation α evolution $\times 10^{-13} - 1.55$ H_{lt} [-] $\frac{3}{2}\pi$ α [-] $\frac{1}{2}\pi$ orbit Number [-] orbit Number [-] a_{lt} evolution Spatial evolution 0.10 \mathcal{Y} x0.00orbit Number [-] orbit Number [-]