L_1 Horizontal Lyapunov ($H_{lt}=-1.500, a_{lt}=0.10$) - Numerical continuation validation α evolution $\times 10^{-12} - 1.5$ H_{lt} [-] $\alpha \ [\overline{-}]$ α [-] $\frac{1}{2}\pi$ orbit Number [-] orbit Number [-] a_{lt} evolution Spatial evolution 0.10 \mathcal{F} x0.00orbit Number [-] orbit Number [-]