L_1 Horizontal Lyapunov ($H_{lt}=-1.550, a_{lt}=0.10$) - Numerical continuation validation α evolution $\times 10^{-12} - 1.55$ H_{lt} [-] 0.5 α [-] $\frac{1}{2}\pi$ -0.550 150 200 50 100 150 200 100 orbit Number [-] orbit Number [-] a_{lt} evolution Spatial evolution 0.10 \mathcal{Y} 0.0050 100 150 200 50 100 150 200 orbit Number [-] orbit Number [-]