L_1 Horizontal Lyapunov ($a_{lt}=0.00, \alpha=0 \text{ rad}$) - Periodicity constraints verification Defect vector magnitude after convergence Position deviation at full period 10^{-10} 10^{-16} -1.5942-1.5594-1.4552-1.5247-1.4900-1.5942-1.5247-1.4900-1.5594-1.4552Maximum number of corrections Velocity deviation at full period $\equiv 150$ Number of corrections of iterations umber -1.5942-1.4552-1.5942-1.5247-1.4900-1.4552-1.5594 -1.4900-1.5594-1.5247Distribution of errors over collocated trajectory Maximum collocation segment error 10^{-5} $\max(e_i)$ - $\min(e_i)$ collocation Number of nodes $\max(e_i)$ $\frac{1}{-1.4552} \lim_{N \to \infty} \frac{1}{1.4552}$ -1.5942-1.5594-1.5247-1.4900 -1.4552-1.5942-1.5594-1.5247-1.4900 H_{lt} [-] H_{lt} [-]