L_1 Horizontal Lyapunov ($a_{lt}=0.10, \alpha=\frac{2}{3}\pi \text{ rad}$) - Periodicity constraints verification Defect vector magnitude after convergence Position deviation at full period 10^{-10} 10^{-10} |x(T) - x(0)||y(T) - y(0)| 10^{-16} -1.5172-1.4813 -1.5531-1.5351-1.4992-1.5531-1.5351-1.5172-1.4992-1.4813 Velocity deviation at full period Maximum number of corrections iterations Number of corrections Number $|\dot{y}(T) - \dot{y}(0)|$ -1.5531-1.5351-1.5172-1.4992-1.4813 -1.5531-1.5351-1.5172-1.4992-1.4813