Experiment No: 39 True Predicted 50 $\begin{array}{c} {\sf Actuator} \\ {\sf Position} \\ S_t \end{array}$ 50 Sensor Position S_t 2500 States $|\hat{x}_t|$ $|x_t|$ 0 20 40 60 80 100 Time 50 10 20 30 40 Mode