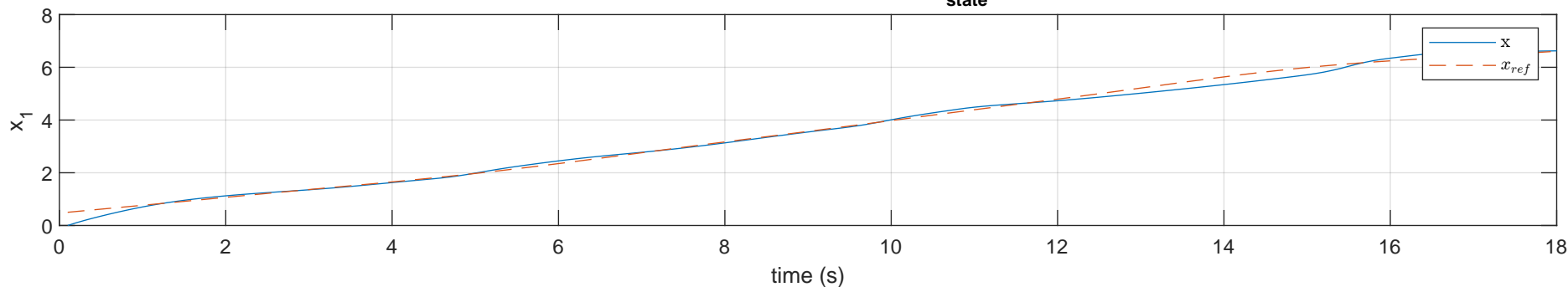
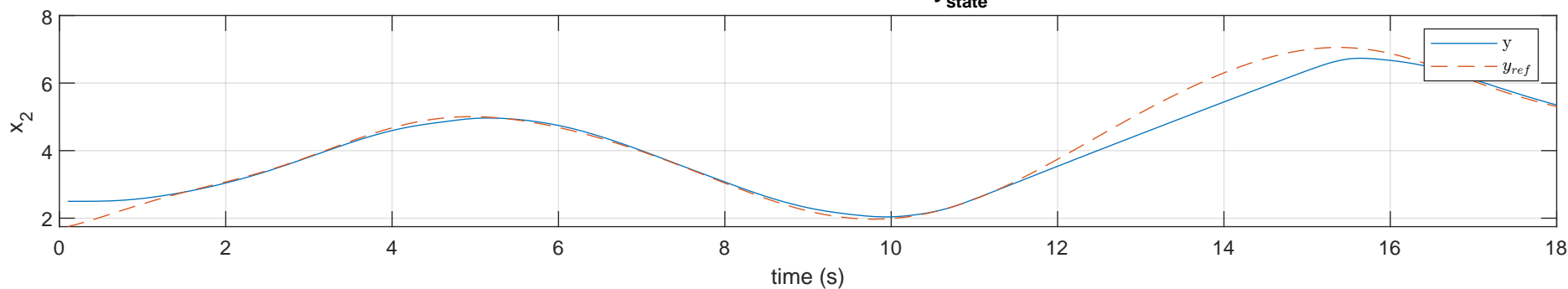
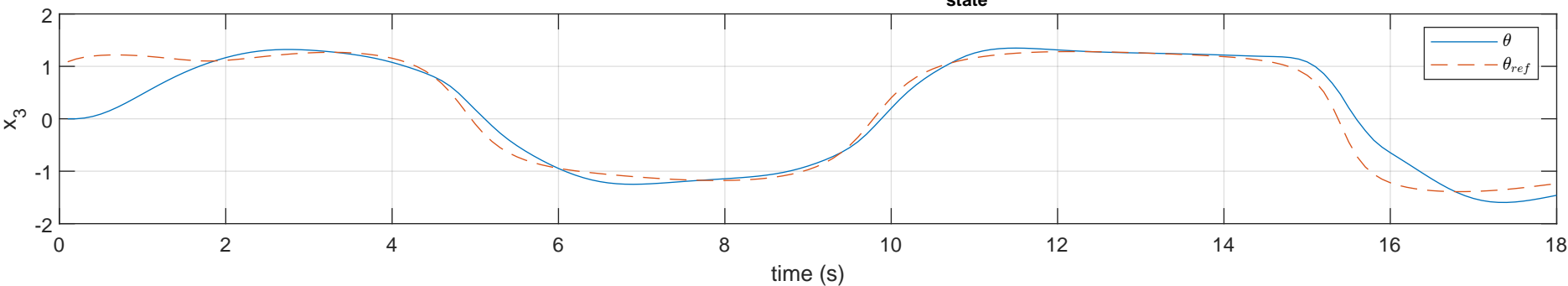


Simulation and reference for  $x_{state}$ Simulation and reference for  $y_{state}$ Simulation and reference for  $\theta_{state}$ Simulation and reference for  $\phi_{state}$ 