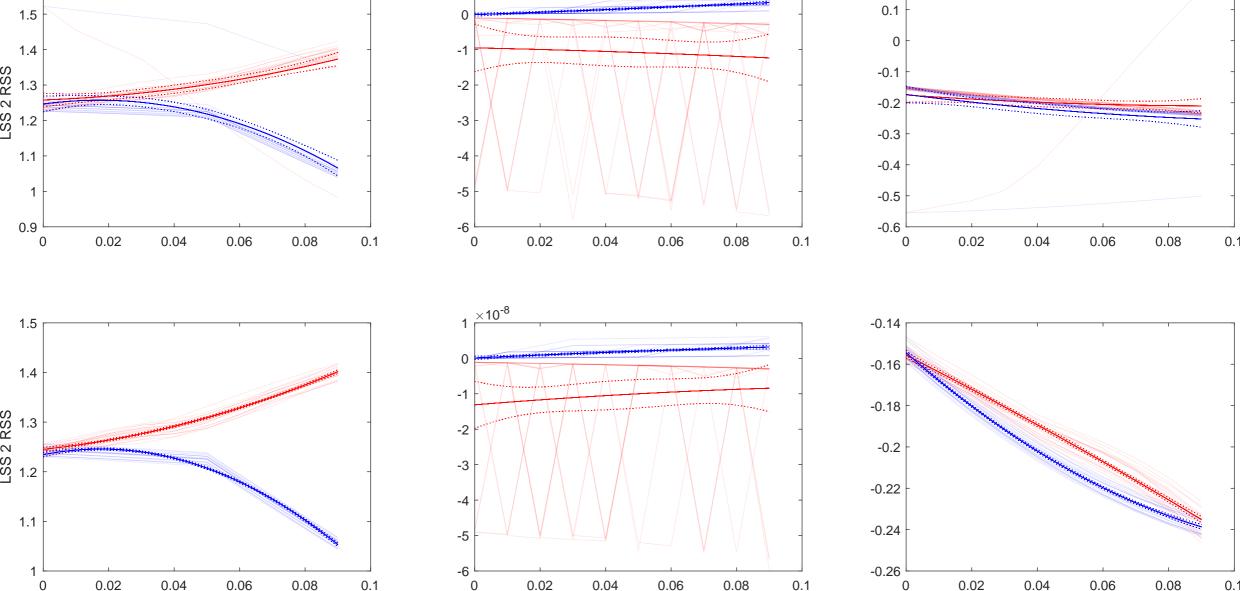State trajectories during phase transitions, x-axes are in seconds