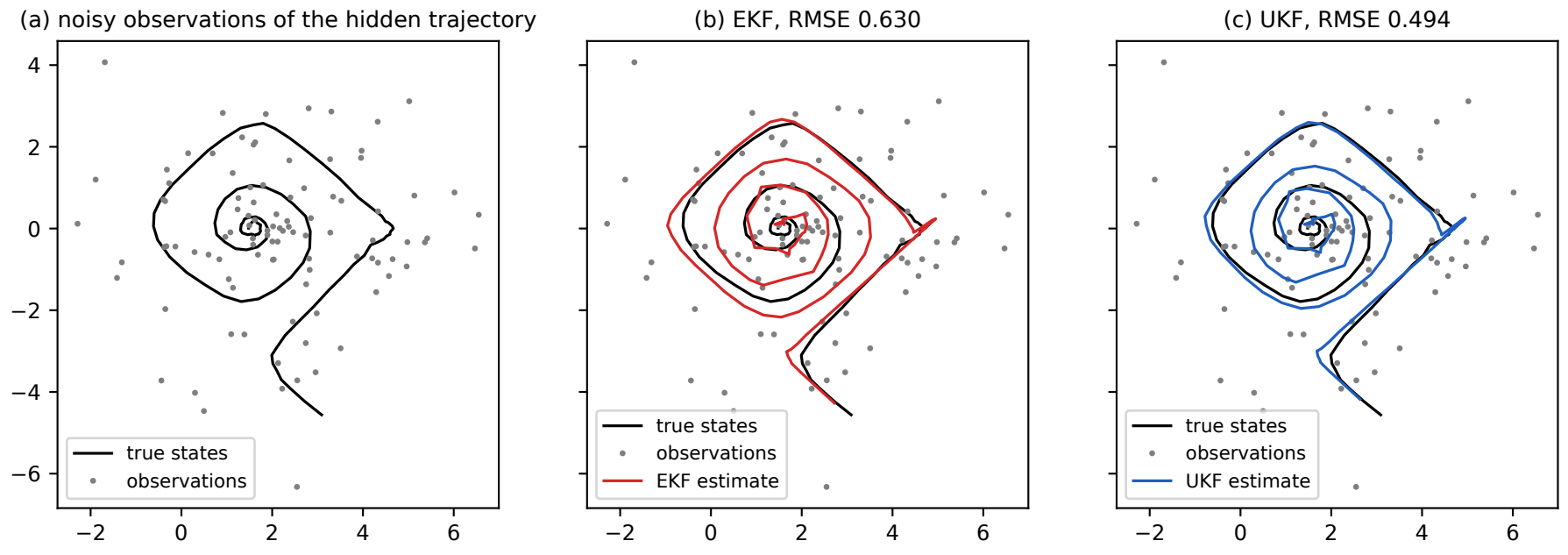

(a) noisy observations of the hidden trajectory
(b) EKF, RMSE 0.630
(c) UKF, RMSE 0.494
true states
observations
EKF estimate
UKF estimate
4
2
0
−2
−4
−6
−2
0
2
4
6