B: fixed-lag smoothing (joint-analysis smoother) A: fixed-lag smoothing (multi-pass backwards smoother) 50% quantile (N = 50) 50% quantile (N = 50) 1.4 1.4 25% - 75% quantile (N = 50) 25% - 75% quantile (N = 50) time-averaged RMSE time-averaged RMSE 1.2 1.2 5% - 95% quantile (N = 50) 5% - 95% quantile (N = 50) 1.0 1.0 0.8 -8.0 0.6 0.6 0.4 0.4 1.50 1.50 50% quantile (N = 1000) 50% quantile (N = 1000) 1.25 1.25 25% - 75% quantile (N = 1000) 25% - 75% quantile (N = 1000) time-averaged RMSE time-averaged RMSE 5% - 95% quantile (N = 1000) 5% - 95% quantile (N = 1000) 1.00 1.00 0.75 -0.75 -0.50 -0.50 0.25 0.25 20 20 40 60 80 100 40 60 80 100 0 0 smoothing lag smoothing lag