case_ieee30: $\hat{\theta}$ by meas. noise level 0.0 $-\theta_i$ true (radians) $\sigma = 0.01$, rel. err.=0.408% $\sigma = 0.05$, rel. err.=1.647% -- $\sigma = 0.1$, rel. err.=8.213% angles $\theta_{\scriptscriptstyle i}$ -0.2 Voltage phase -0.410 15 20 25 30 Bus Index i