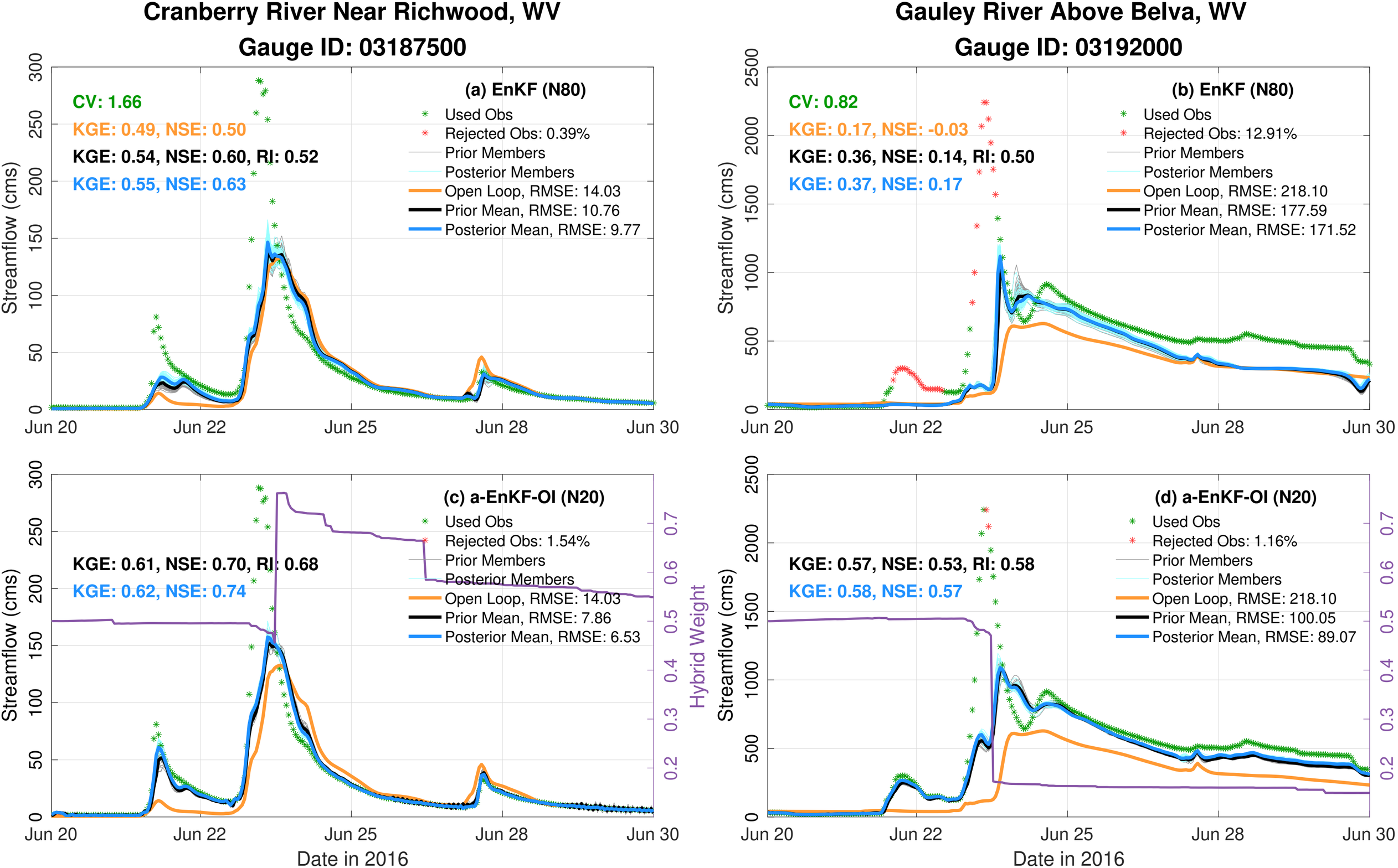
Cranberry River Near Richwood, WV
Gauge ID: 03187500
Gauley River Above Belva, WV
Gauge ID: 03192000
(a) EnKF (N80)
CV: 1.66
KGE: 0.49, NSE: 0.50
KGE: 0.54, NSE: 0.60, RI: 0.52
KGE: 0.55, NSE: 0.63
Used Obs
Rejected Obs: 0.39%
Prior Members
Posterior Members
Open Loop, RMSE: 14.03
Prior Mean, RMSE: 10.76
Posterior Mean, RMSE: 9.77
(b) EnKF (N80)
CV: 0.82
KGE: 0.17, NSE: -0.03
KGE: 0.36, NSE: 0.14, RI: 0.50
KGE: 0.37, NSE: 0.17
Used Obs
Rejected Obs: 12.91%
Prior Members
Posterior Members
Open Loop, RMSE: 218.10
Prior Mean, RMSE: 177.59
Posterior Mean, RMSE: 171.52
(c) a-EnKF-OI (N20)
KGE: 0.61, NSE: 0.70, RI: 0.68
KGE: 0.62, NSE: 0.74
Used Obs
Rejected Obs: 1.54%
Prior Members
Posterior Members
Open Loop, RMSE: 14.03
Prior Mean, RMSE: 7.86
Posterior Mean, RMSE: 6.53
(d) a-EnKF-OI (N20)
KGE: 0.57, NSE: 0.53, RI: 0.58
KGE: 0.58, NSE: 0.57
Used Obs
Rejected Obs: 1.16%
Prior Members
Posterior Members
Open Loop, RMSE: 218.10
Prior Mean, RMSE: 100.05
Posterior Mean, RMSE: 89.07
Streamflow (cms)
Hybrid Weight
Jun 20
Jun 22
Jun 25
Jun 28
Jun 30
Date in 2016