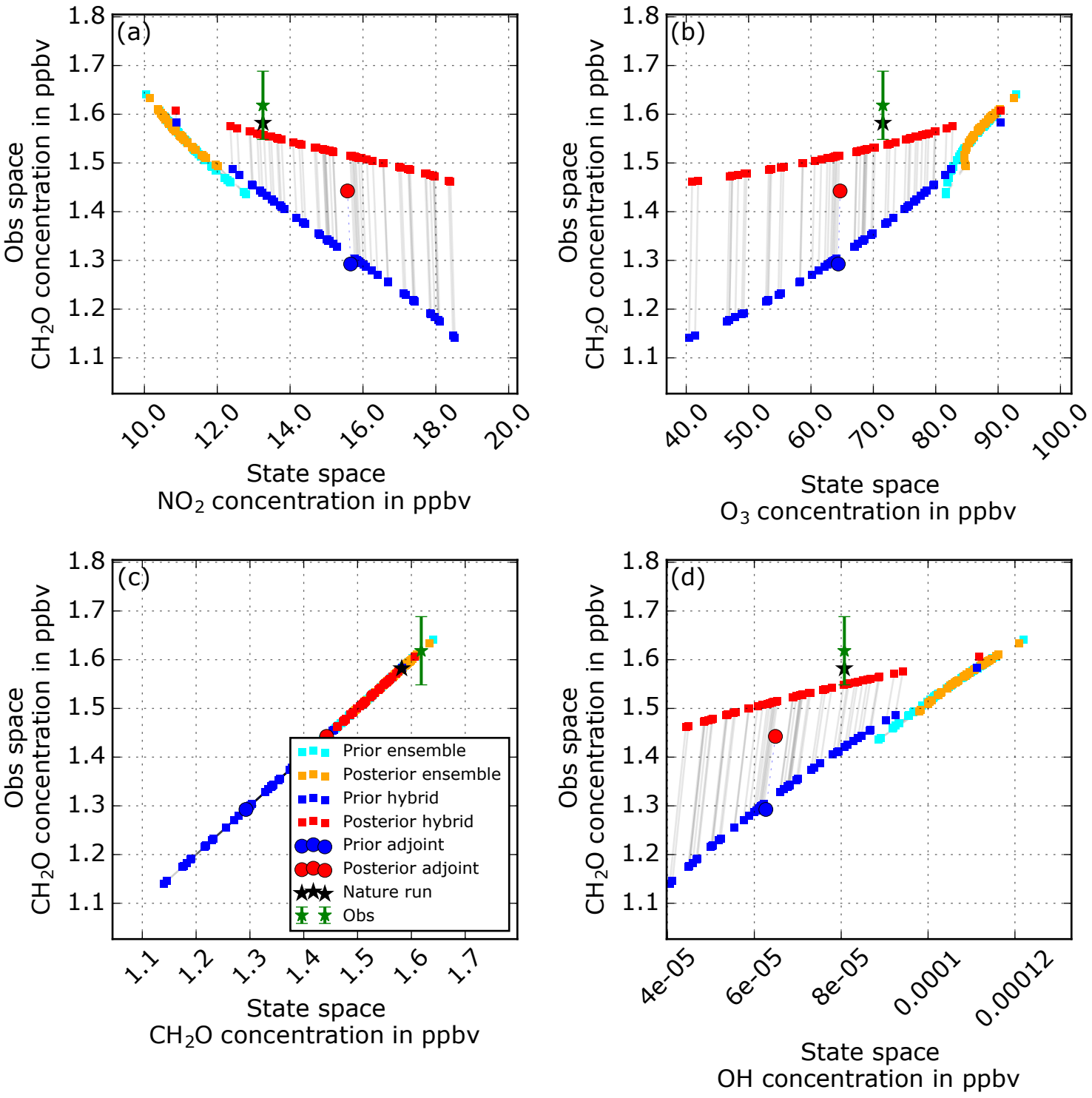
(a)
(b)
(c)
(d)
Obs space
$CH_2O$ concentration in ppbv
State space
$NO_2$ concentration in ppbv
$O_3$ concentration in ppbv
$CH_2O$ concentration in ppbv
OH concentration in ppbv
Prior ensemble
Posterior ensemble
Prior hybrid
Posterior hybrid
Prior adjoint
Posterior adjoint
Nature run
Obs