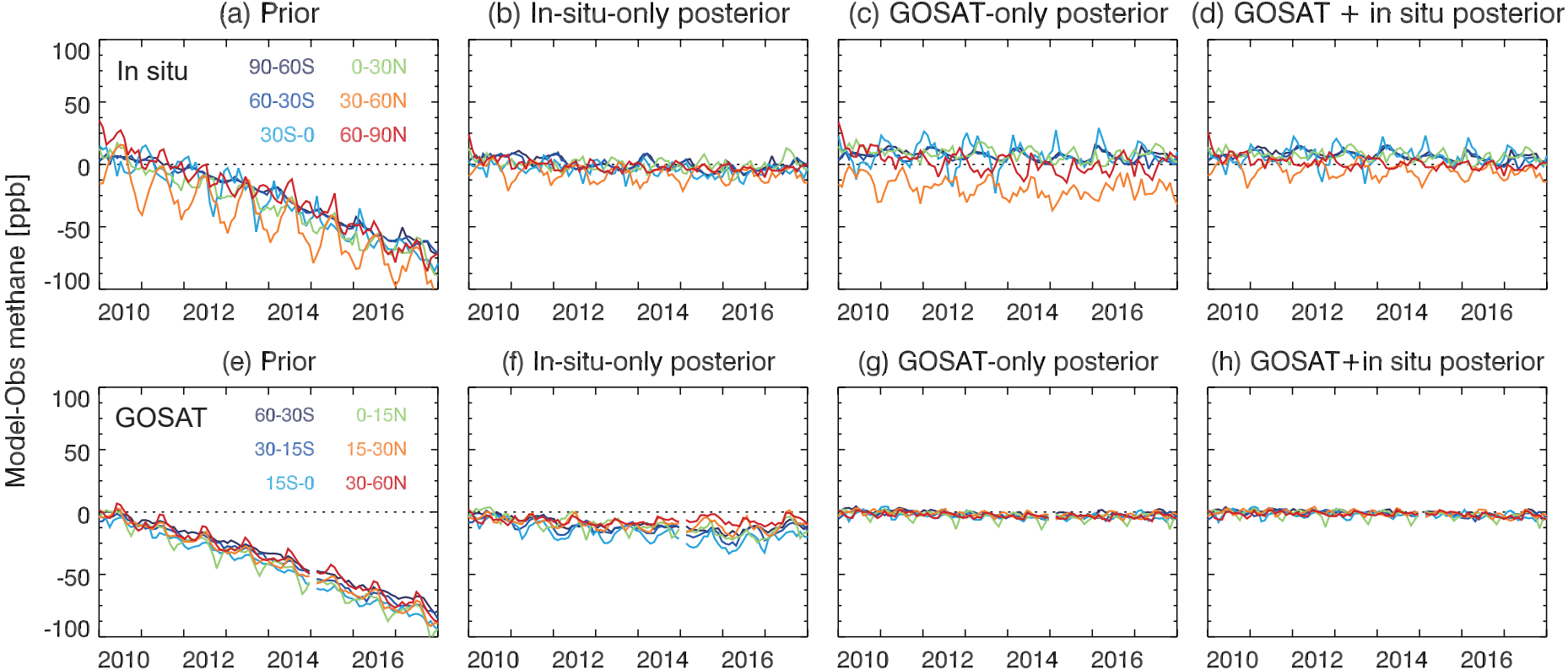
(a) Prior
(b) In-situ-only posterior
(c) GOSAT-only posterior
(d) GOSAT + in situ posterior
(e) Prior
(f) In-situ-only posterior
(g) GOSAT-only posterior
(h) GOSAT+in situ posterior
Model-Obs methane [ppb]
In situ
90-60S
0-30N
60-30S
30-60N
30S-0
60-90N
GOSAT
60-30S
0-15N
30-15S
15-30N
15S-0
30-60N
100
50
0
-50
-100
2010
2012
2014
2016