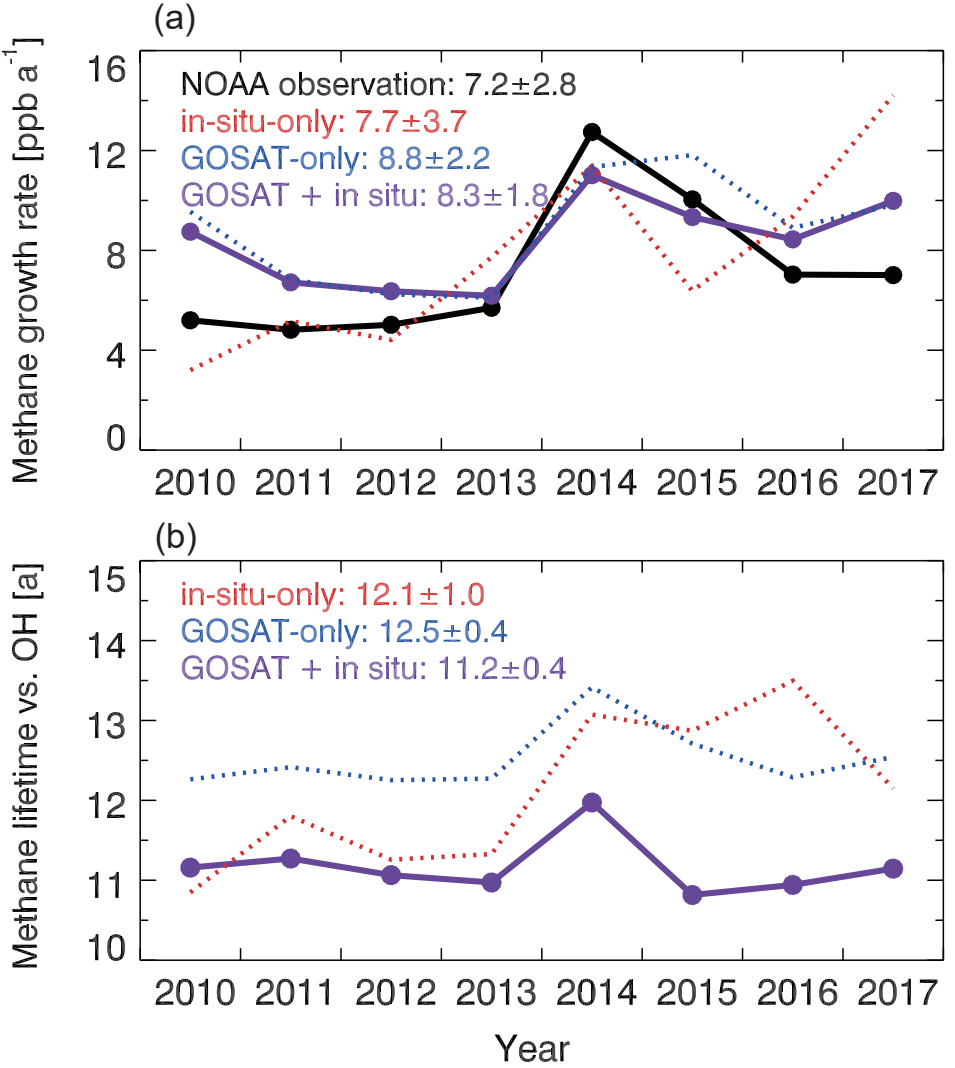
(a)
Methane growth rate [ppb a^{-1}]
NOAA observation: 7.2±2.8
in-situ-only: 7.7±3.7
GOSAT-only: 8.8±2.2
GOSAT + in situ: 8.3±1.8
16
12
8
4
0
2010 2011 2012 2013 2014 2015 2016 2017
(b)
Methane lifetime vs. OH [a]
in-situ-only: 12.1±1.0
GOSAT-only: 12.5±0.4
GOSAT + in situ: 11.2±0.4
15
14
13
12
11
10
2010 2011 2012 2013 2014 2015 2016 2017
Year