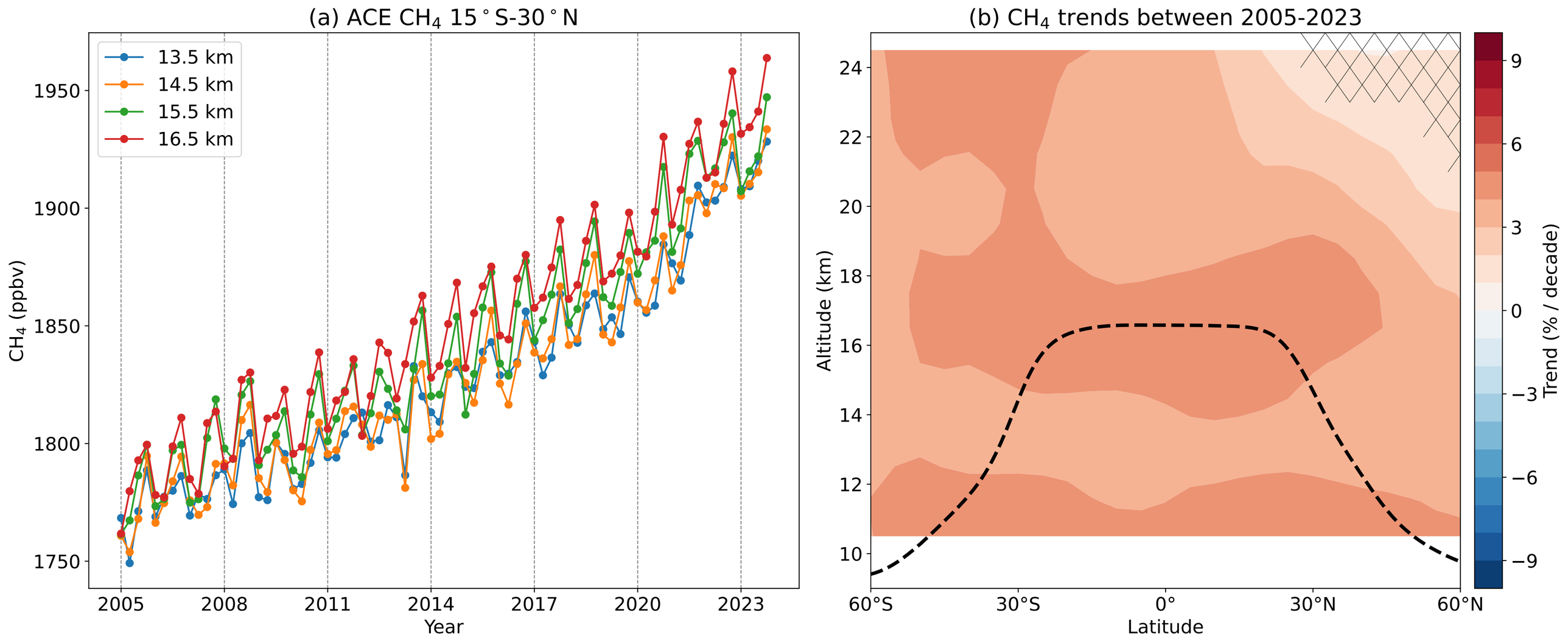

(a) ACE CH_4 15°S-30°N
13.5 km
14.5 km
15.5 km
16.5 km
CH_4 (ppbv)
1750
1800
1850
1900
1950
2005
2008
2011
2014
2017
2020
2023
Year
(b) CH_4 trends between 2005-2023
Altitude (km)
10
12
14
16
18
20
22
24
60°S
30°S
0°
30°N
60°N
Latitude
Trend (% / decade)
9
6
3
0
−3
−6
−9