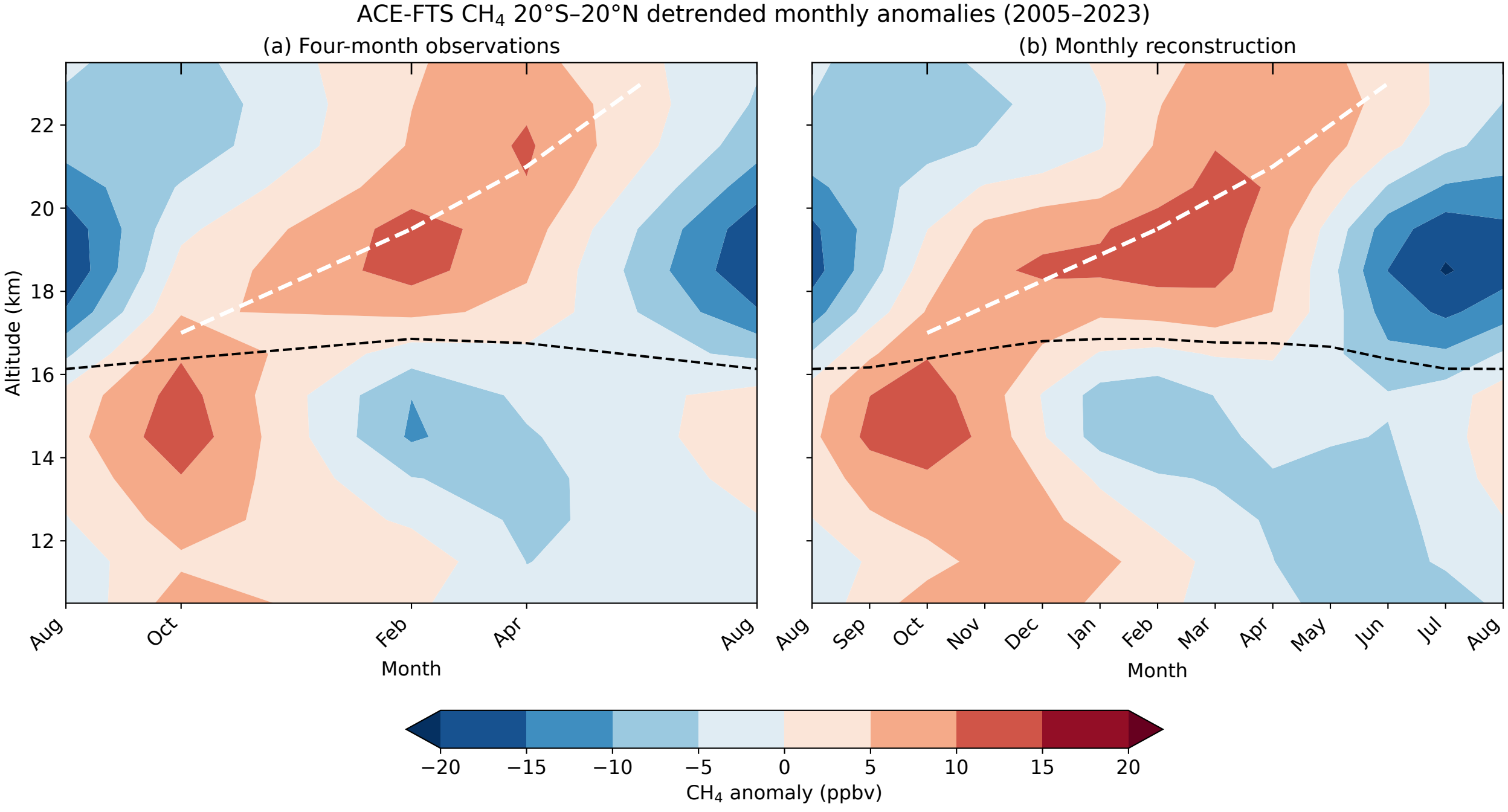

ACE-FTS CH4 20°S–20°N detrended monthly anomalies (2005–2023)
(a) Four-month observations
(b) Monthly reconstruction
Altitude (km)
22
20
18
16
14
12
Aug
Oct
Feb
Apr
Aug
Month
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Month
−20
−15
−10
−5
0
5
10
15
20
CH4 anomaly (ppbv)