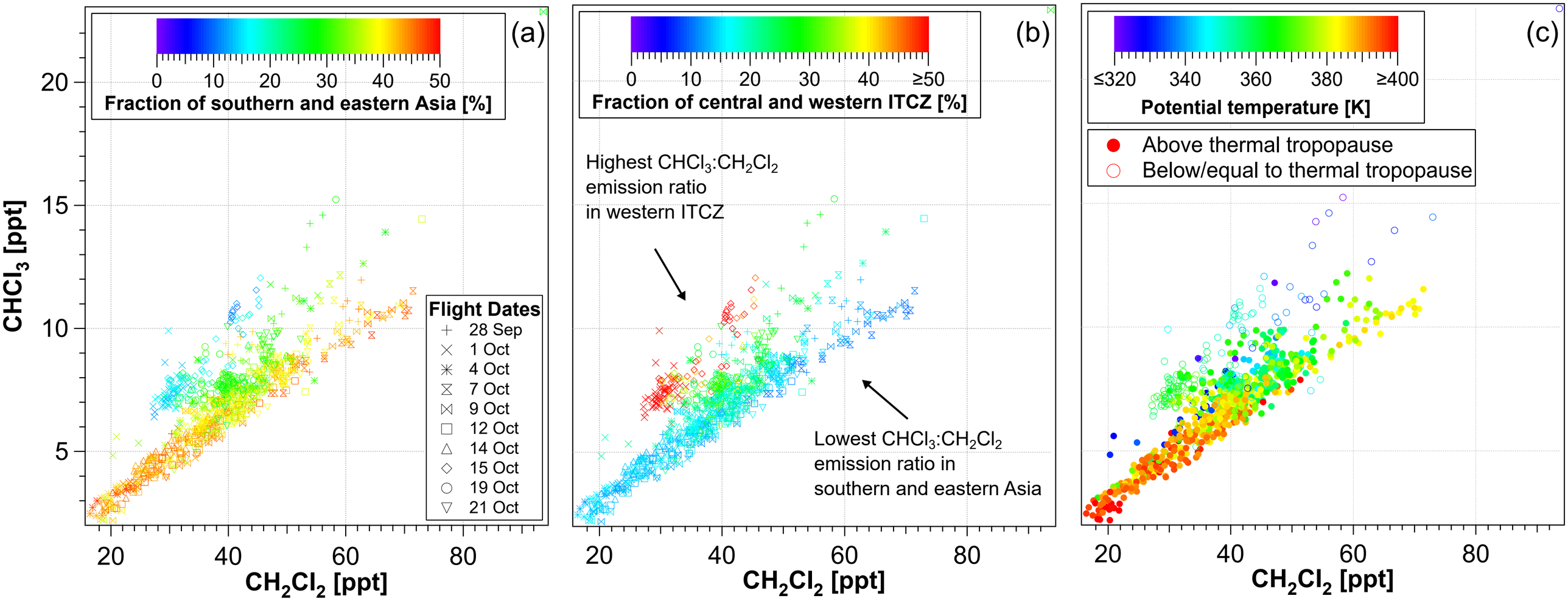
(a)
0 10 20 30 40 50
Fraction of southern and eastern Asia [%]
Flight Dates
28 Sep
1 Oct
4 Oct
7 Oct
9 Oct
12 Oct
14 Oct
15 Oct
19 Oct
21 Oct
CHCl3 [ppt]
CH2Cl2 [ppt]
(b)
0 10 20 30 40 ≥50
Fraction of central and western ITCZ [%]
Highest CHCl3:CH2Cl2 emission ratio in western ITCZ
Lowest CHCl3:CH2Cl2 emission ratio in southern and eastern Asia
CH2Cl2 [ppt]
(c)
≤320 340 360 380 ≥400
Potential temperature [K]
Above thermal tropopause
Below/equal to thermal tropopause
CH2Cl2 [ppt]