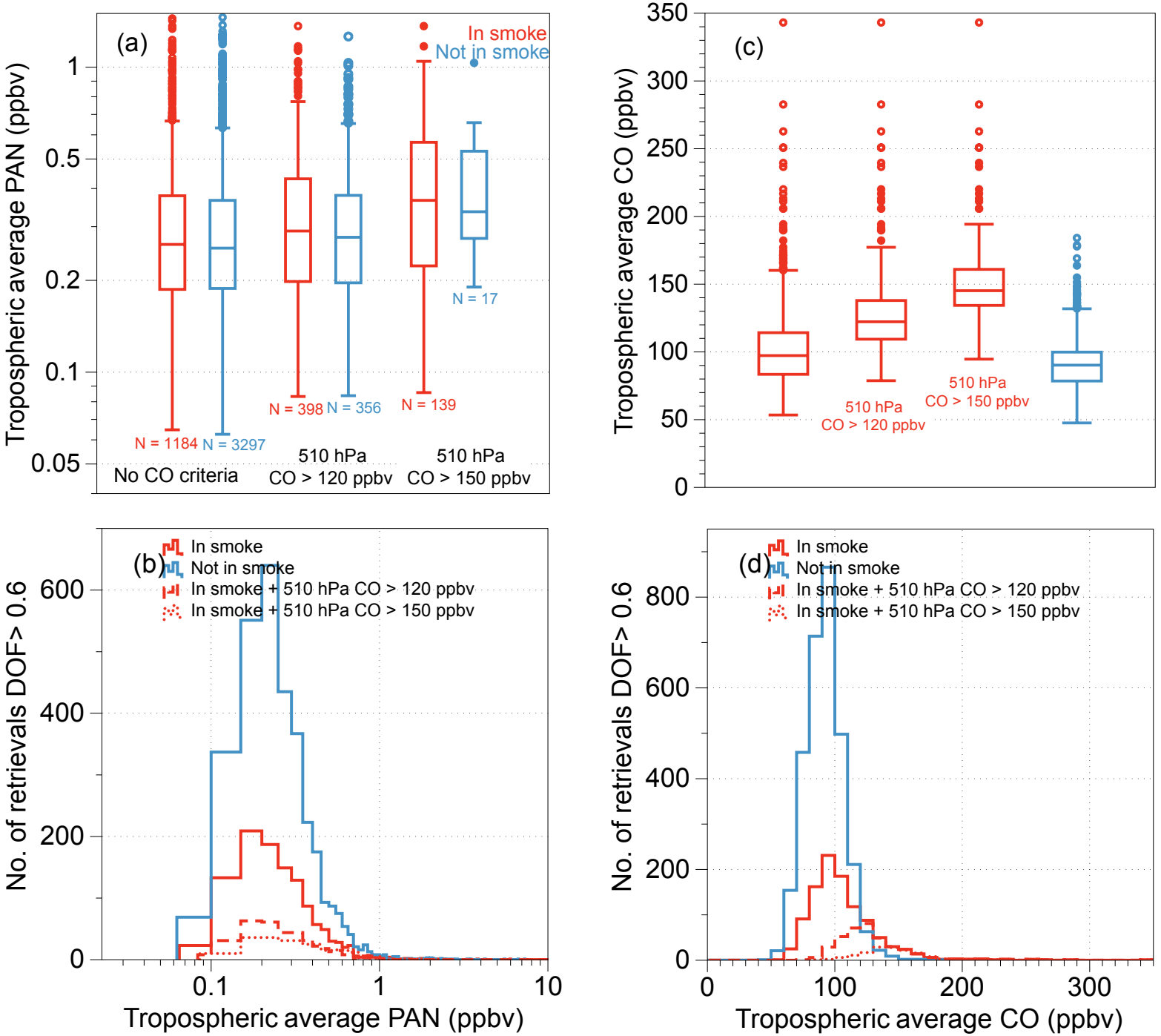
(a)
In smoke
Not in smoke
Tropospheric average PAN (ppbv)
1
0.5
0.2
0.1
0.05
N = 1184
N = 3297
N = 398
N = 356
N = 139
N = 17
No CO criteria
510 hPa
CO > 120 ppbv
510 hPa
CO > 150 ppbv
(c)
Tropospheric average CO (ppbv)
350
300
250
200
150
100
50
0
510 hPa
CO > 120 ppbv
510 hPa
CO > 150 ppbv
(b)
In smoke
Not in smoke
In smoke + 510 hPa CO > 120 ppbv
In smoke + 510 hPa CO > 150 ppbv
No. of retrievals DOF> 0.6
600
400
200
0
0.1
1
10
Tropospheric average PAN (ppbv)
(d)
In smoke
Not in smoke
In smoke + 510 hPa CO > 120 ppbv
In smoke + 510 hPa CO > 150 ppbv
No. of retrievals DOF> 0.6
800
600
400
200
0
0
100
200
300
Tropospheric average CO (ppbv)