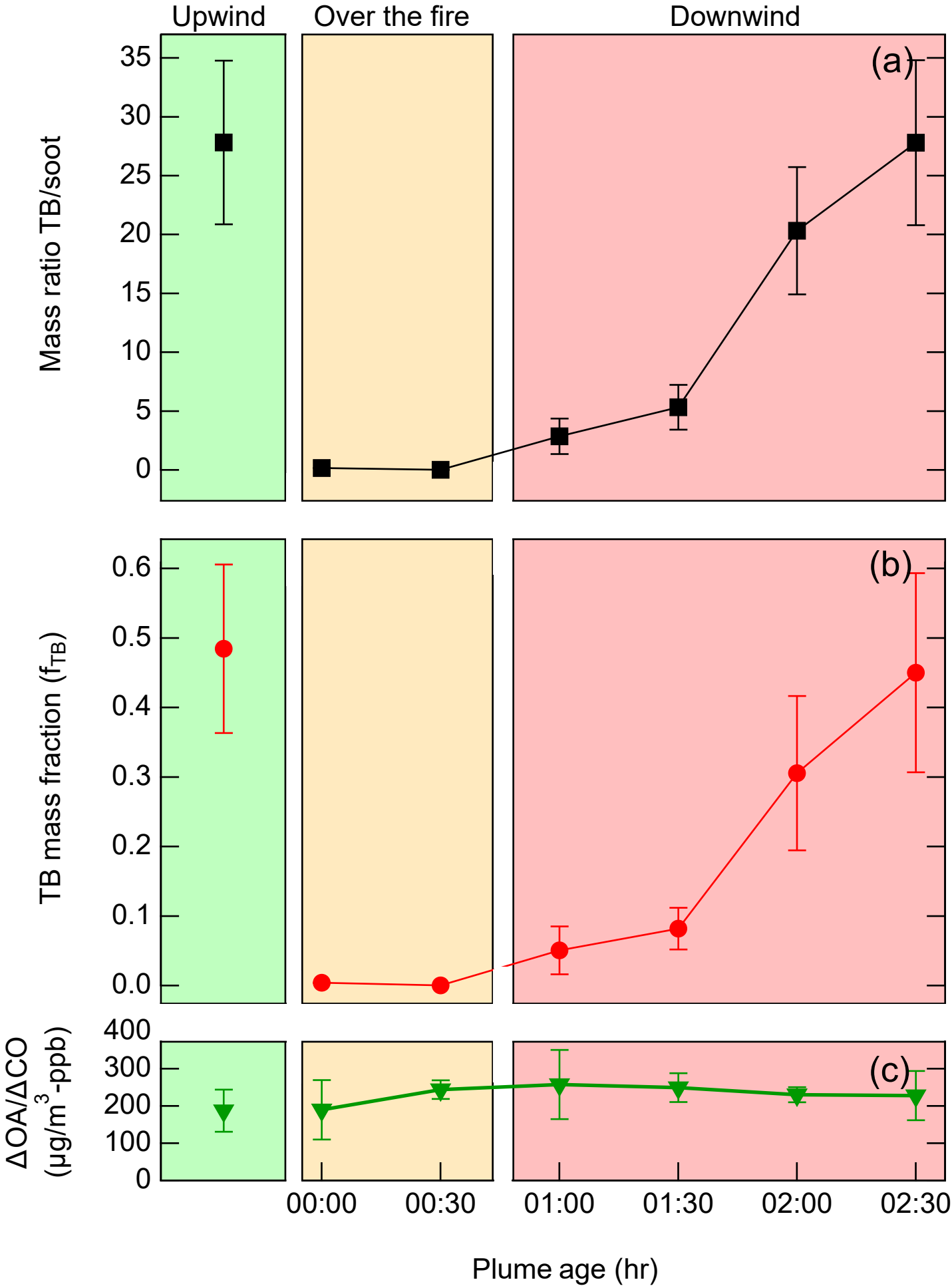
Upwind
Over the fire
Downwind
(a)
Mass ratio TB/soot
35
30
25
20
15
10
5
0
(b)
TB mass fraction (f_{TB})
0.6
0.5
0.4
0.3
0.2
0.1
0.0
(c)
ΔOA/ΔCO
(μg/m^3-ppb)
400
300
200
100
0
00:00
00:30
01:00
01:30
02:00
02:30
Plume age (hr)