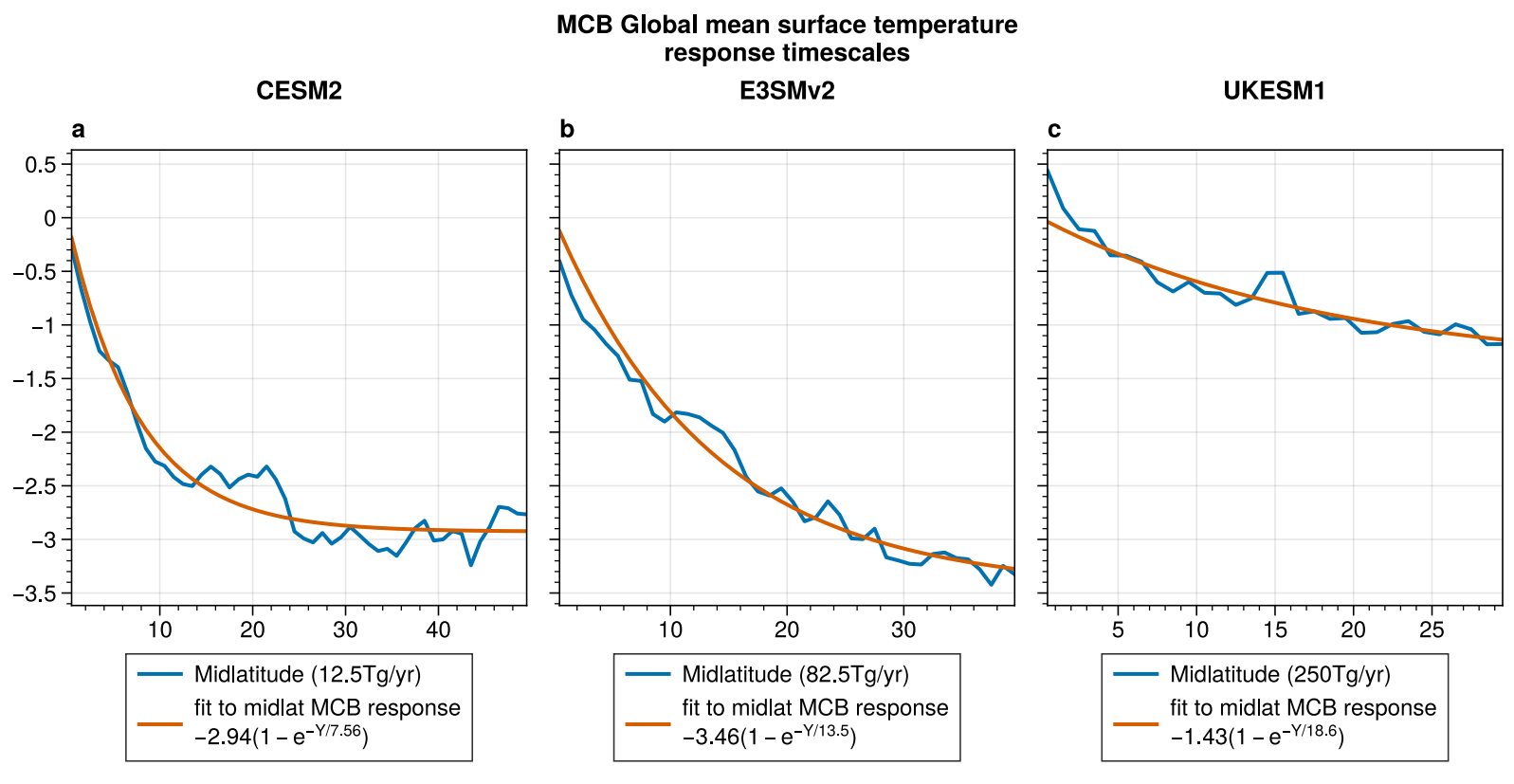
MCB Global mean surface temperature response timescales
CESM2
E3SMv2
UKESM1
a
b
c
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
10
20
30
40
10
20
30
5
10
15
20
25
Midlatitude (12.5Tg/yr)
fit to midlat MCB response
−2.94(1 − e^−Y/7.56)
Midlatitude (82.5Tg/yr)
fit to midlat MCB response
−3.46(1 − e^−Y/13.5)
Midlatitude (250Tg/yr)
fit to midlat MCB response
−1.43(1 − e^−Y/18.6)