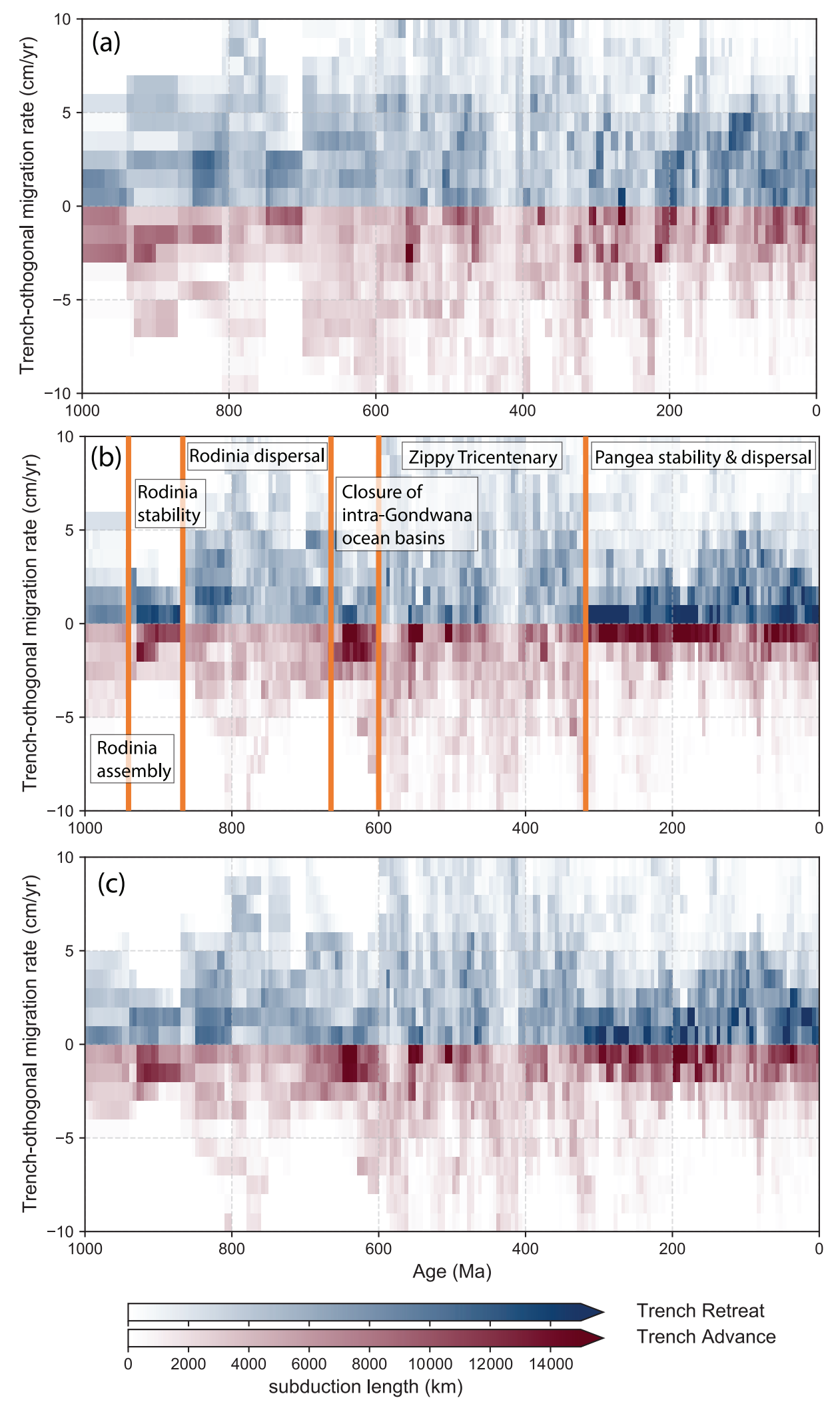
(a)
(b)
(c)
Trench-othogonal migration rate (cm/yr)
10
5
0
−5
−10
1000
800
600
400
200
0
Rodinia assembly
Rodinia stability
Rodinia dispersal
Closure of intra-Gondwana ocean basins
Zippy Tricentenary
Pangea stability & dispersal
Age (Ma)
Trench Retreat
Trench Advance
0
2000
4000
6000
8000
10000
12000
14000
subduction length (km)