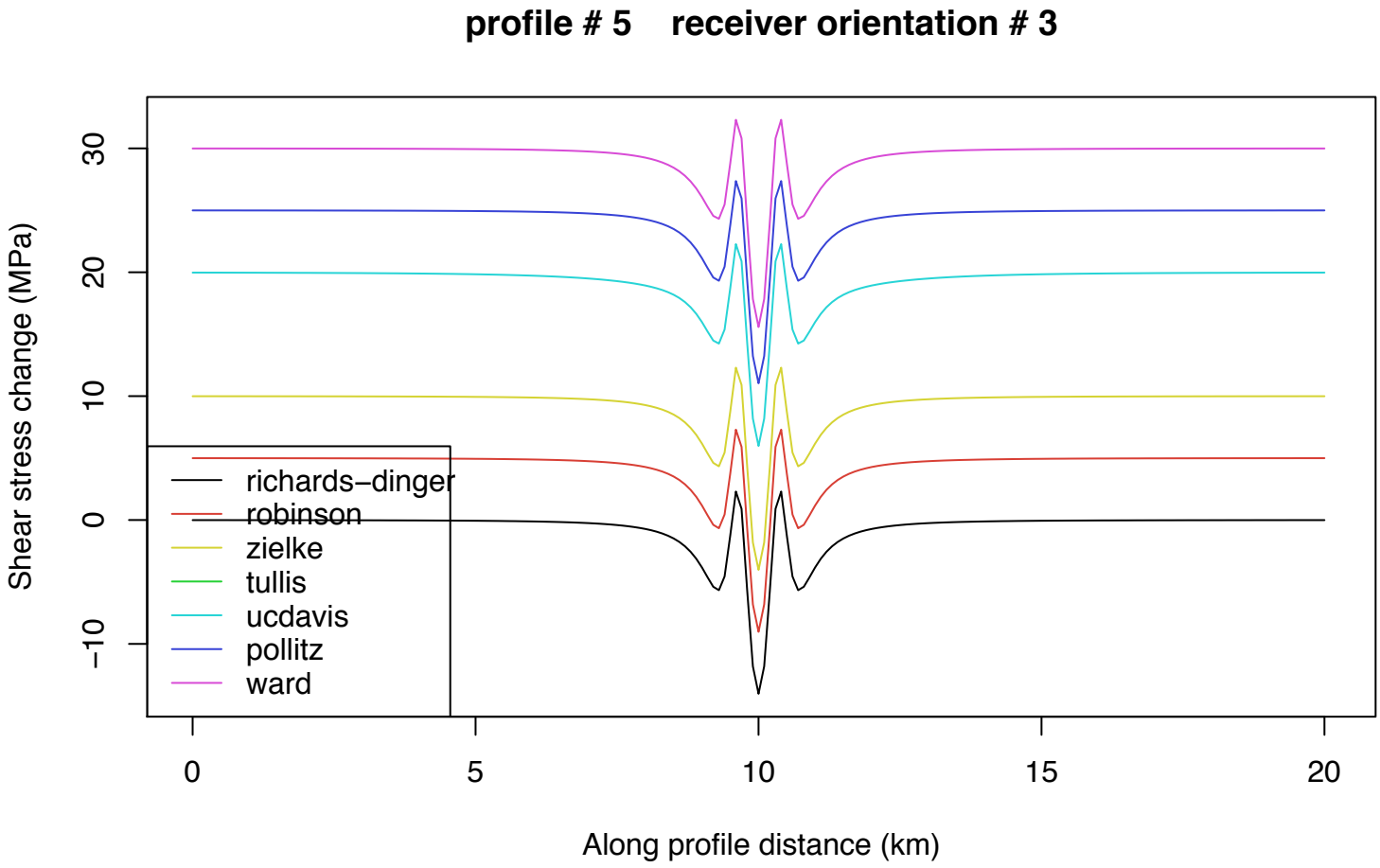
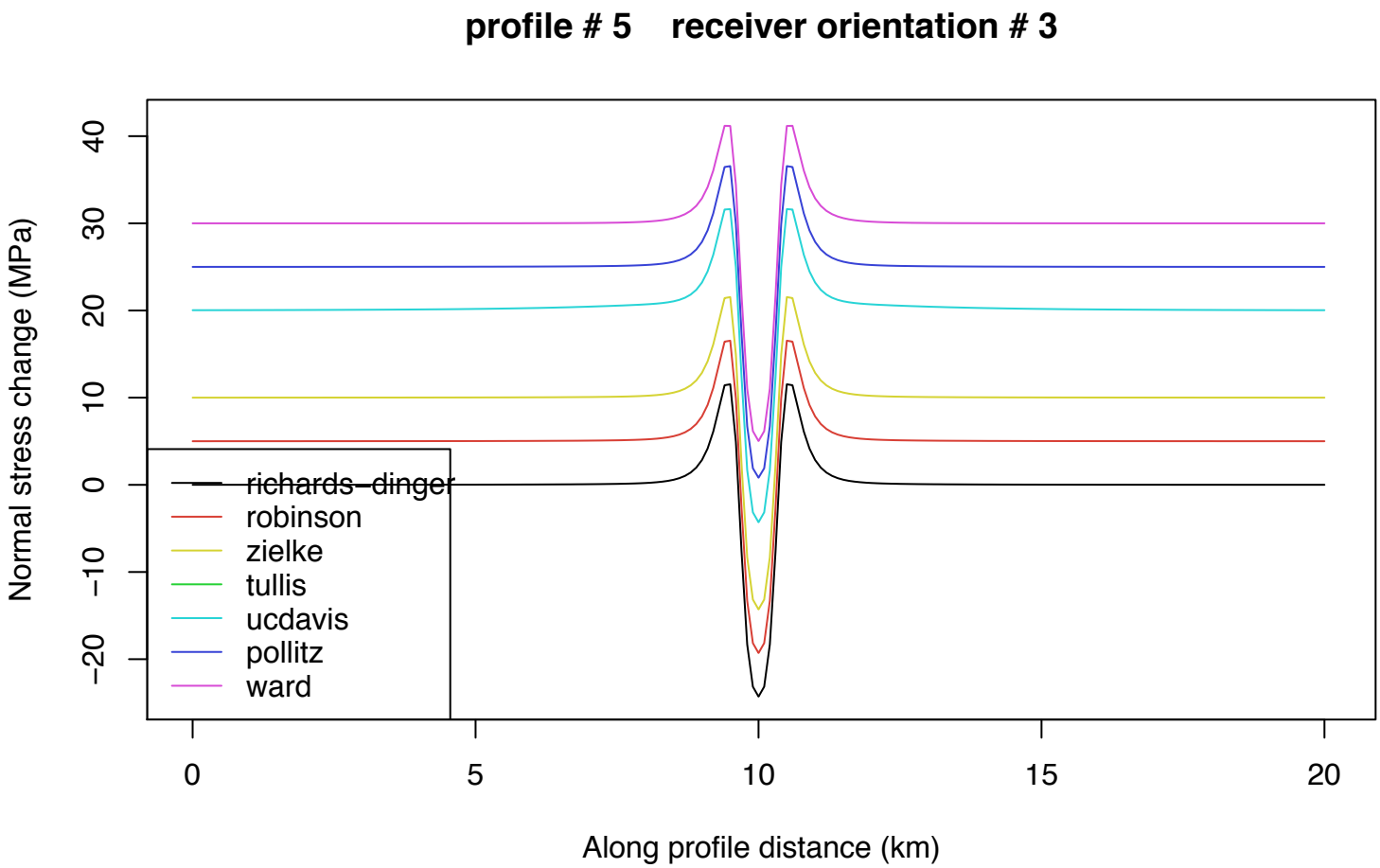
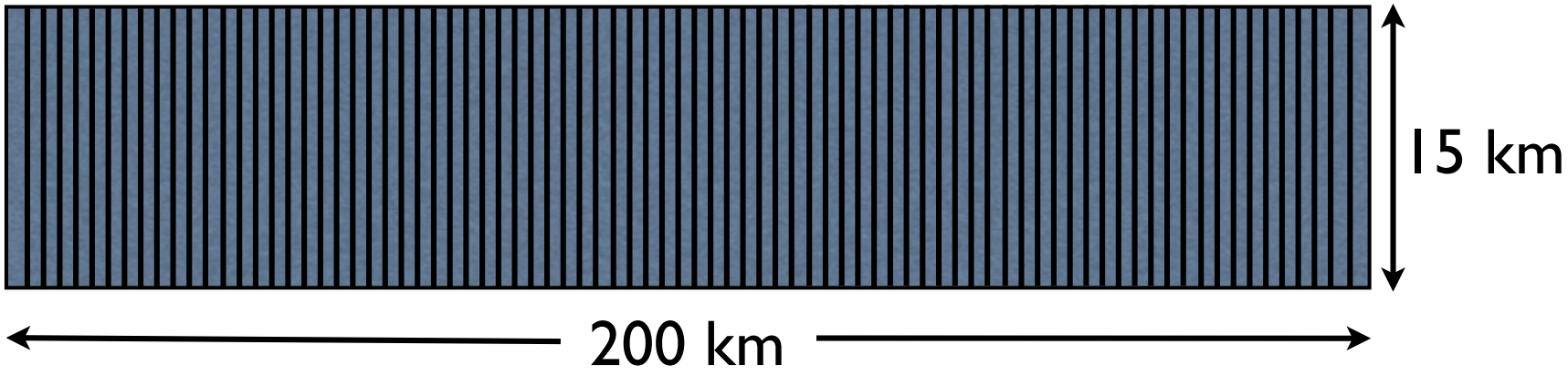
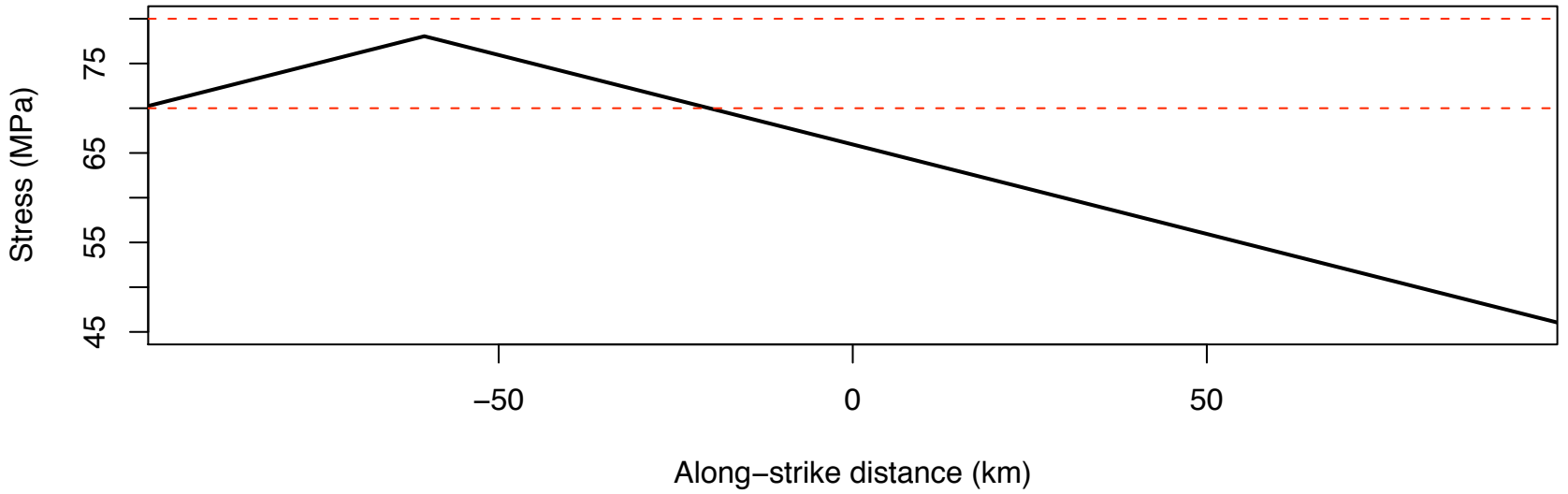

profile # 5 receiver orientation # 3
Shear stress change (MPa)
30
20
10
0
−10
richards−dinger
robinson
zielke
tullis
ucdavis
pollitz
ward
0
5
10
15
20
Along profile distance (km)


profile # 5 receiver orientation # 3
Normal stress change (MPa)
40
30
20
10
0
−10
−20
richards−dinger
robinson
zielke
tullis
ucdavis
pollitz
ward
0
5
10
15
20
Along profile distance (km)

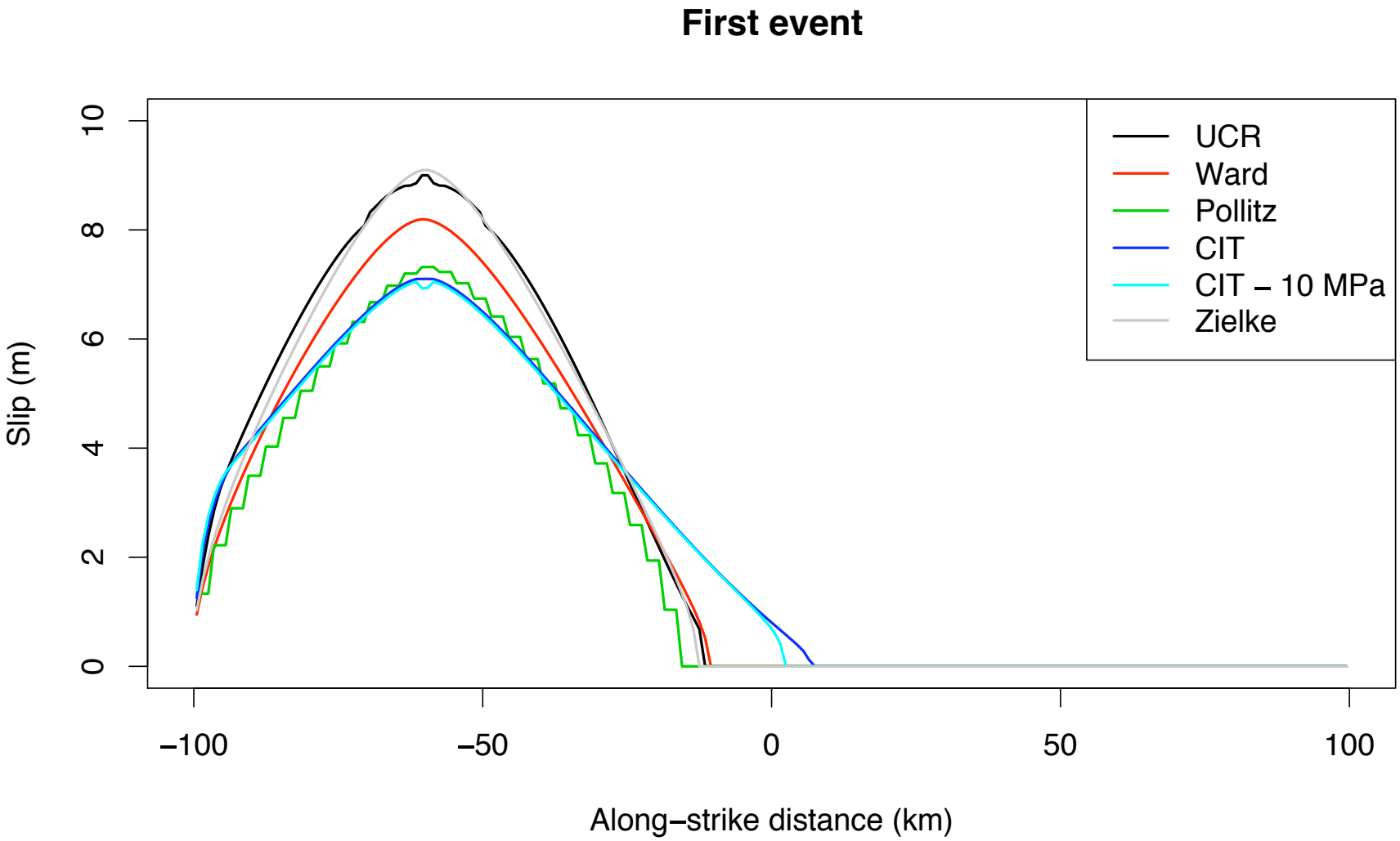
2nd EQ simulator test problem

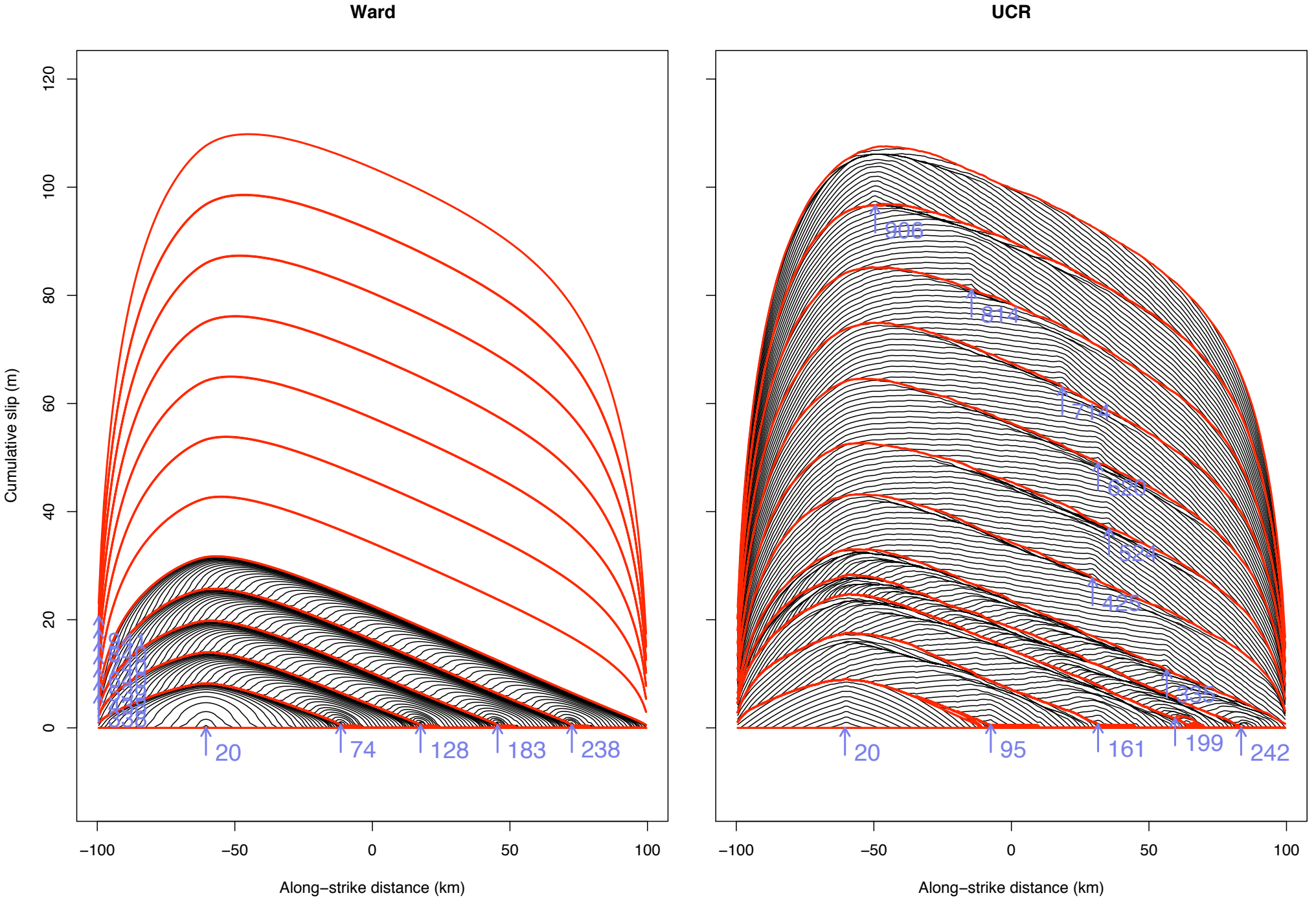


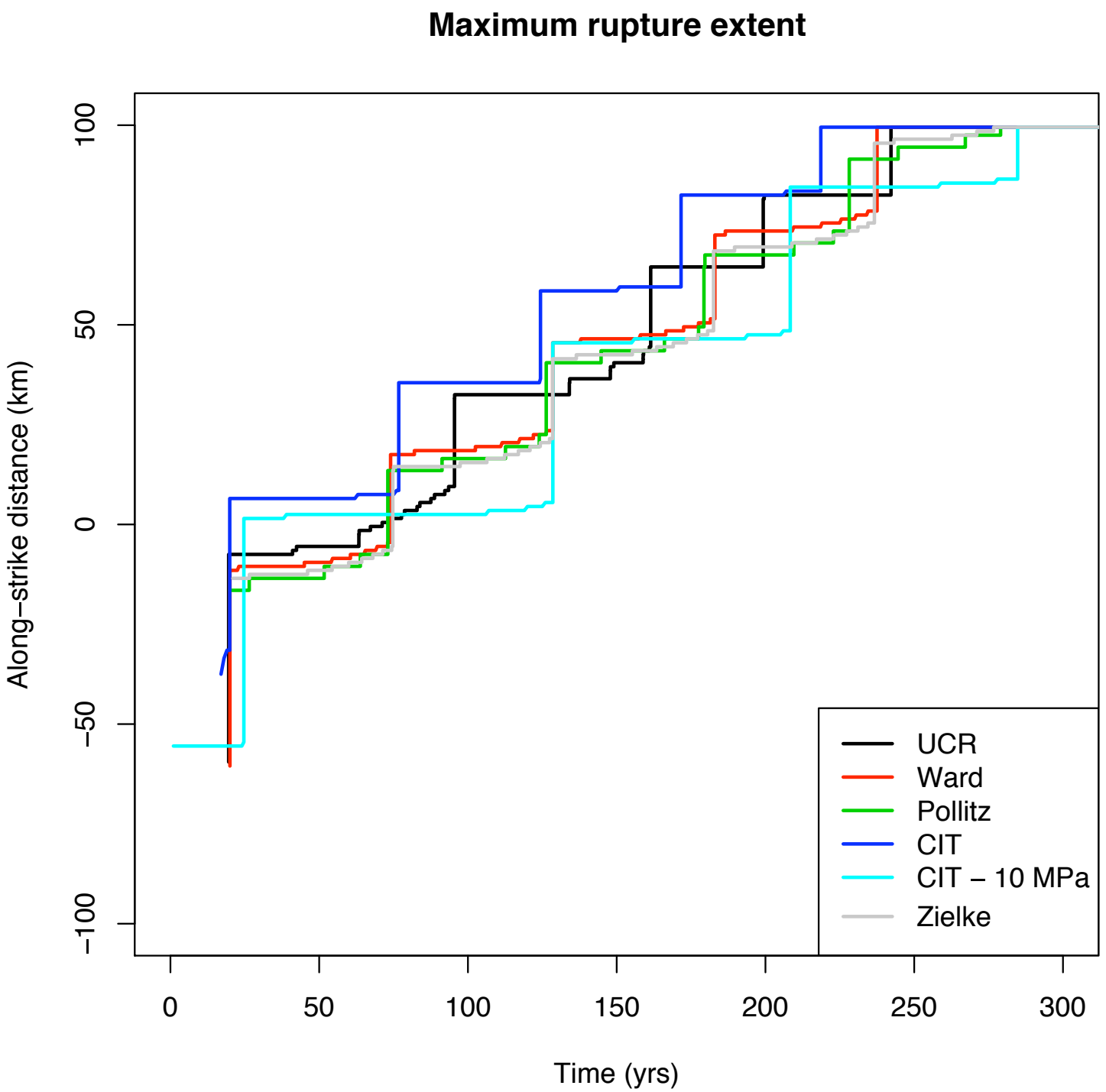
Initial stress



Uniform stress loading (0.1 MPa/yr) => non-uniform long-term slip


First event
Slip (m)
0
2
4
6
8
10
−100
−50
0
50
100
Along−strike distance (km)
UCR
Ward
Pollitz
CIT
CIT − 10 MPa
Zielke


Ward
UCR
Cumulative slip (m)
0
20
40
60
80
100
120
−100
−50
0
50
100
Along−strike distance (km)
20
74
128
183
238
20
95
161
199
242
906
814
714
620
524
425
335


Maximum rupture extent
Along−strike distance (km)
100
50
0
−50
−100
0
50
100
150
200
250
300
Time (yrs)
UCR
Ward
Pollitz
CIT
CIT – 10 MPa
Zielke