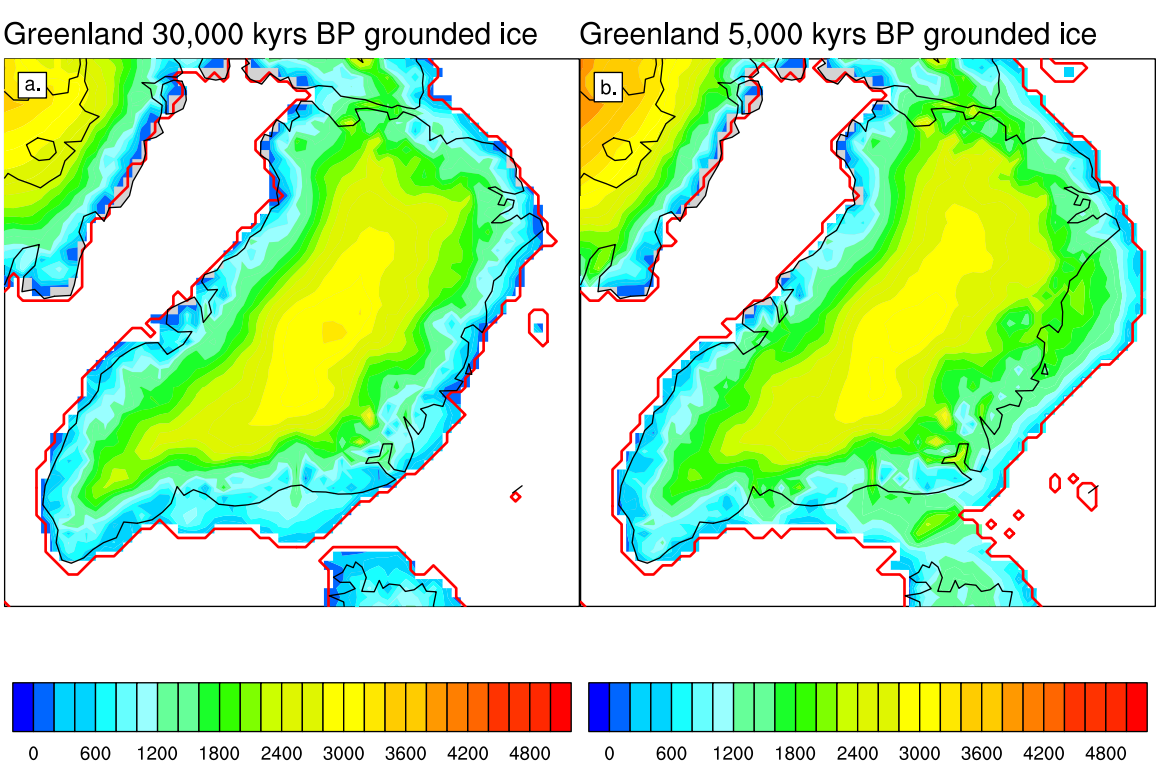
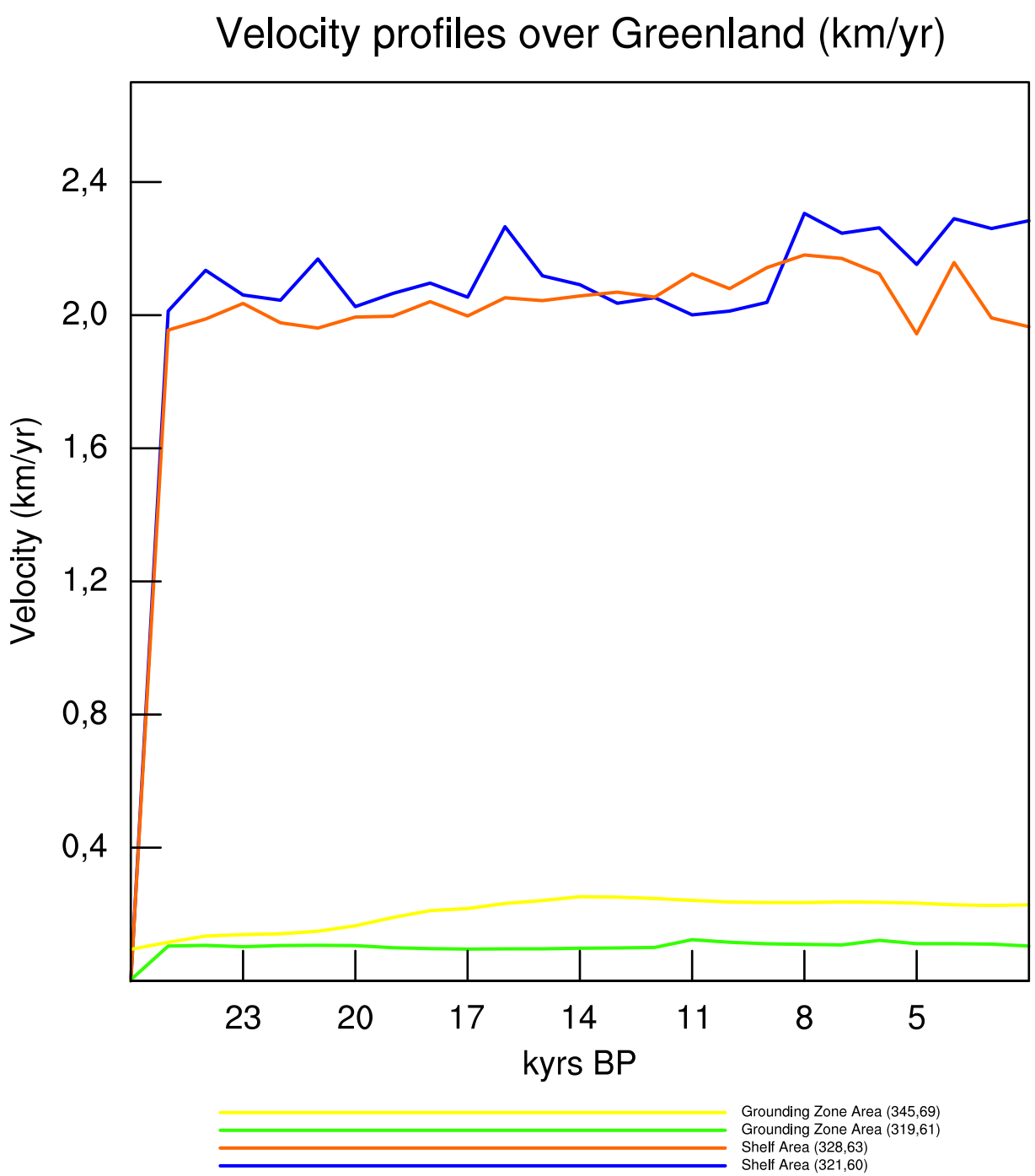
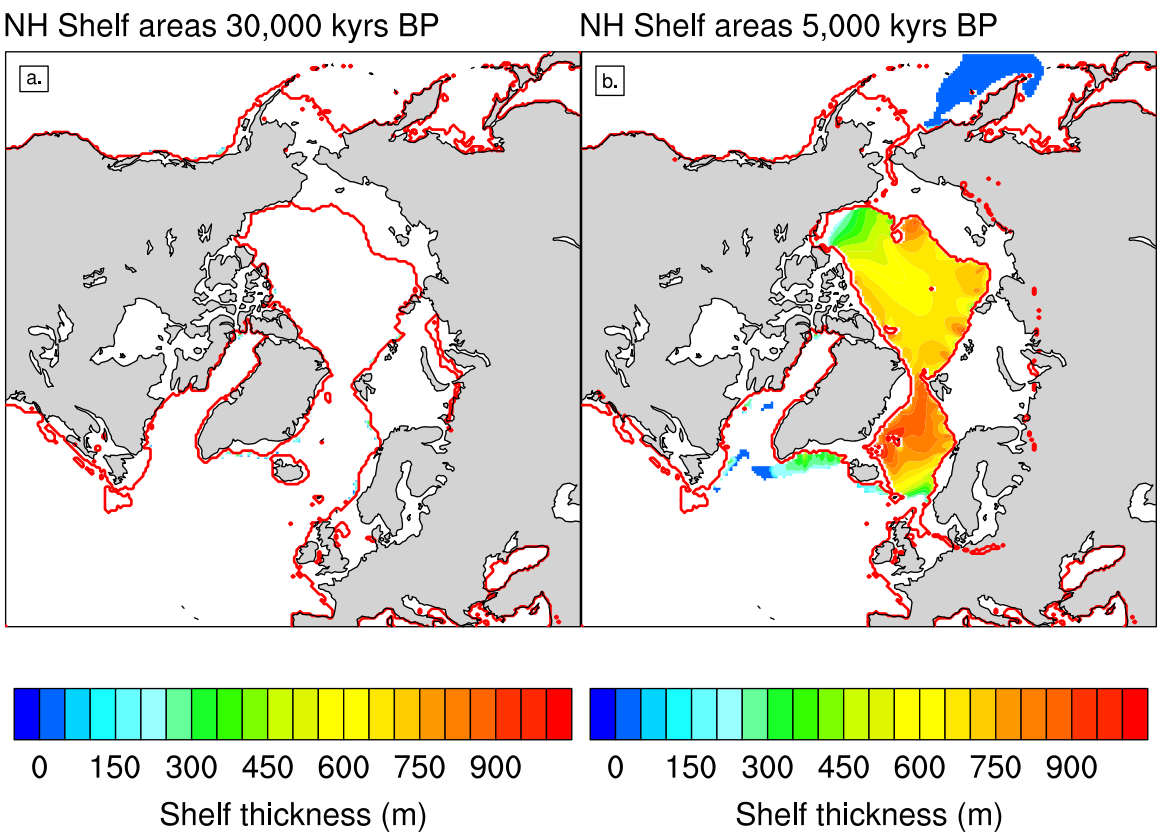
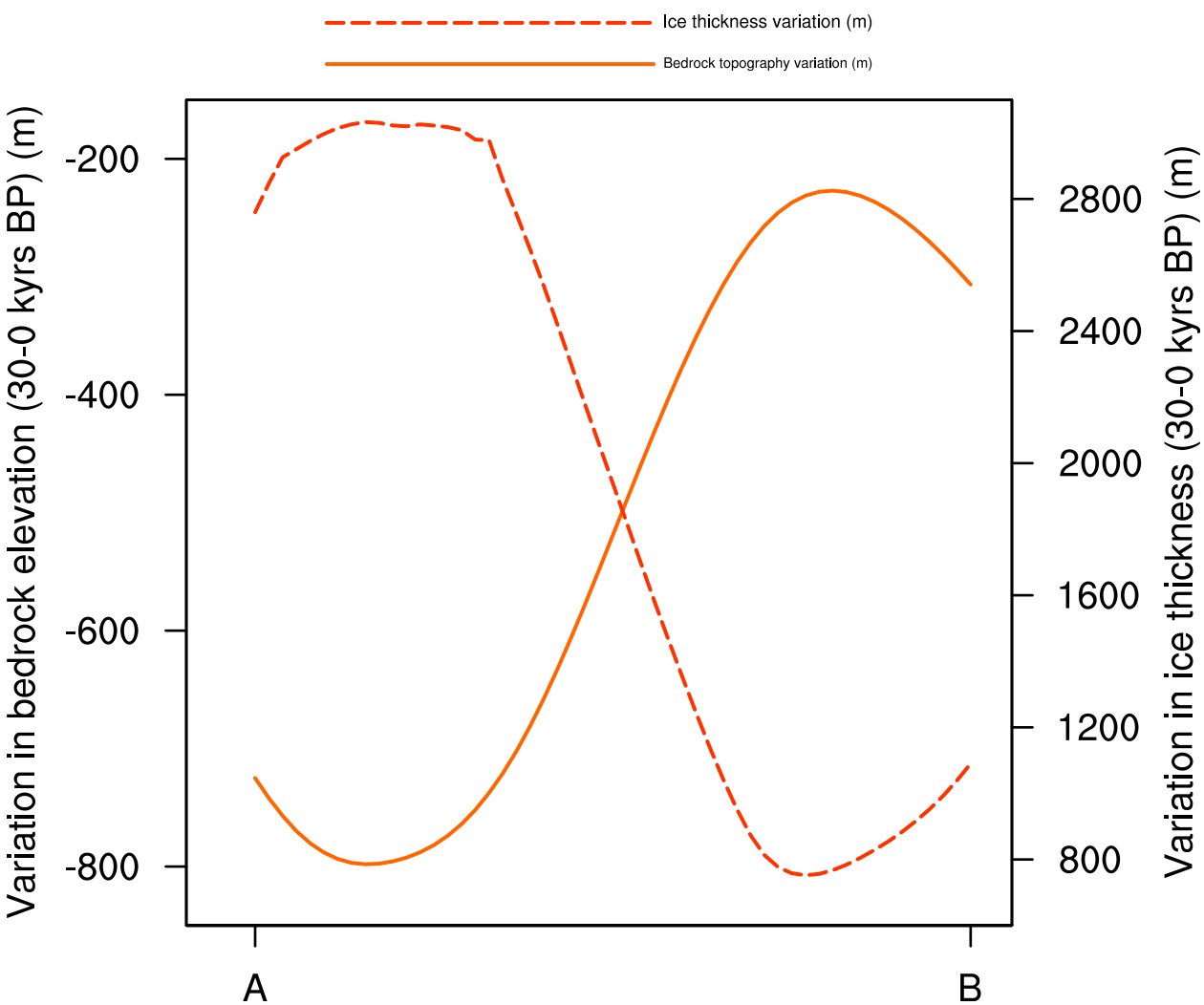

Greenland 30,000 kyrs BP grounded ice
Greenland 5,000 kyrs BP grounded ice
a.
b.
0
600
1200
1800
2400
3000
3600
4200
4800
0
600
1200
1800
2400
3000
3600
4200
4800


Velocity profiles over Greenland (km/yr)
Velocity (km/yr)
2,4
2,0
1,6
1,2
0,8
0,4
23
20
17
14
11
8
5
kyrs BP
Grounding Zone Area (345,69)
Grounding Zone Area (319,61)
Shelf Area (328,63)
Shelf Area (321,60)


NH Shelf areas 30,000 kyrs BP
NH Shelf areas 5,000 kyrs BP
a.
b.
0 150 300 450 600 750 900
Shelf thickness (m)
0 150 300 450 600 750 900
Shelf thickness (m)


Ice thickness variation (m)
Bedrock topography variation (m)
Variation in bedrock elevation (30-0 kyrs BP) (m)
-200
-400
-600
-800
Variation in ice thickness (30-0 kyrs BP) (m)
2800
2400
2000
1600
1200
800
A
B