

~10 ka

100 a

100 a

Ice 0

Ice 1r

Ice 1ra

No melting
readvance

Ice 1rr

Melt-induced
retreat

Ice 2r

Ice 2ra

No calving
readvance

Ice 2rr

Calving-induced
retreat

Steady state

Melt-induced
retreat

Calving-induced
retreat

Ice 0 (control)

Ice1 (ice shelf melting)

Ice2 (ice shelf calving)

t = 0 a

t = 100 a

t = 200 a

