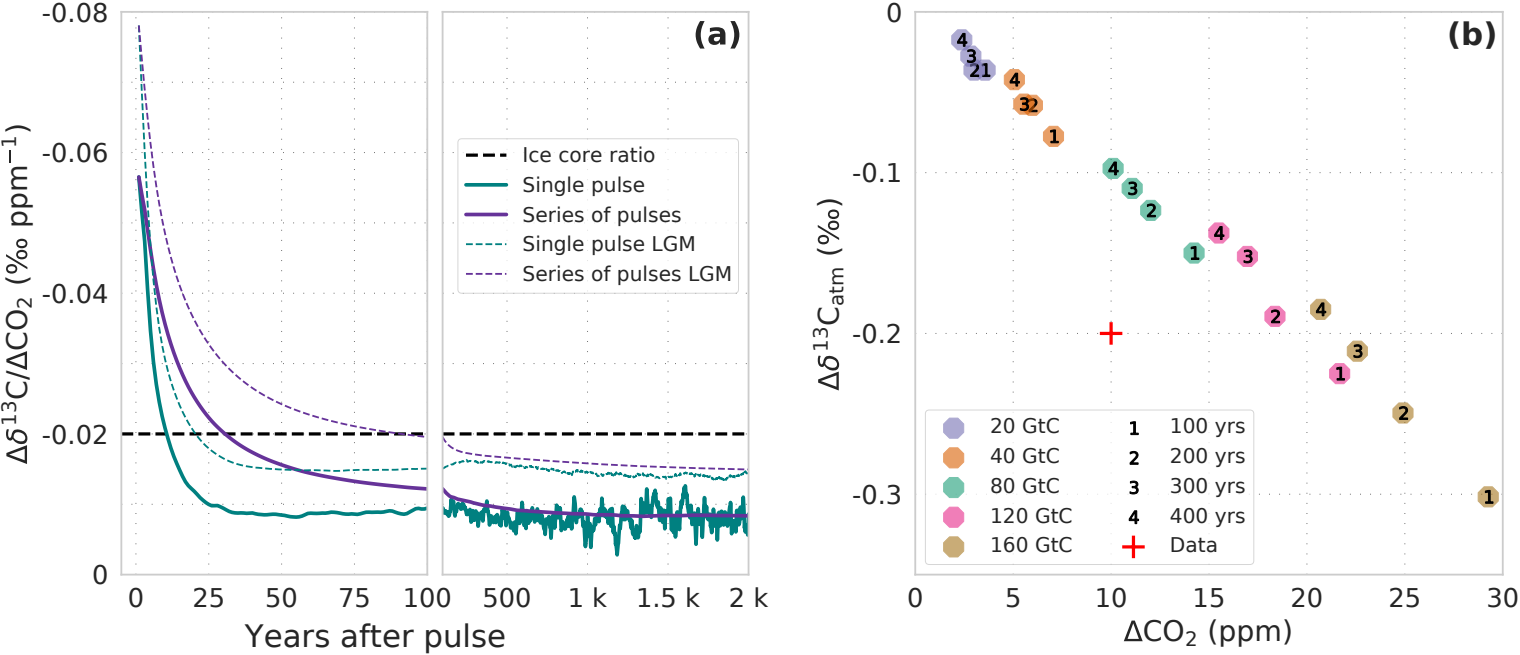
(a)
Ice core ratio
Single pulse
Series of pulses
Single pulse LGM
Series of pulses LGM
$\Delta\delta^{13}C/\Delta CO_2$ (‰ ppm^{-1})
-0.08
-0.06
-0.04
-0.02
0
0
25
50
75
100
500
1 k
1.5 k
2 k
Years after pulse
(b)
20 GtC
40 GtC
80 GtC
120 GtC
160 GtC
1 100 yrs
2 200 yrs
3 300 yrs
4 400 yrs
Data
$\Delta\delta^{13}C_{atm}$ (‰)
0
-0.1
-0.2
-0.3
0
5
10
15
20
25
30
ΔCO_2 (ppm)