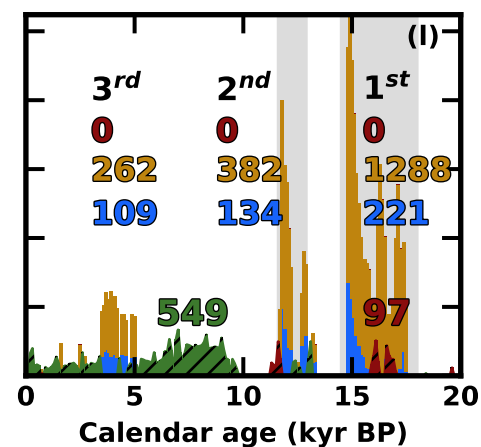
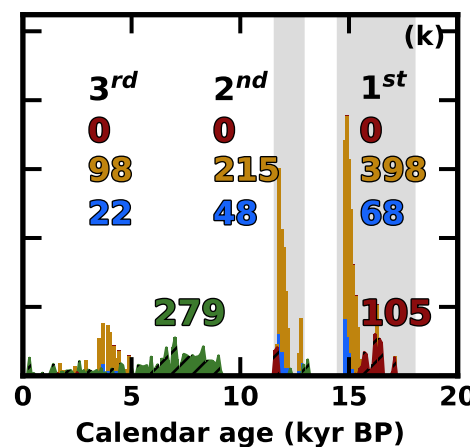
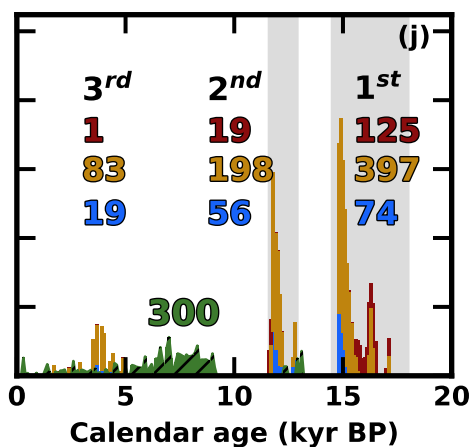
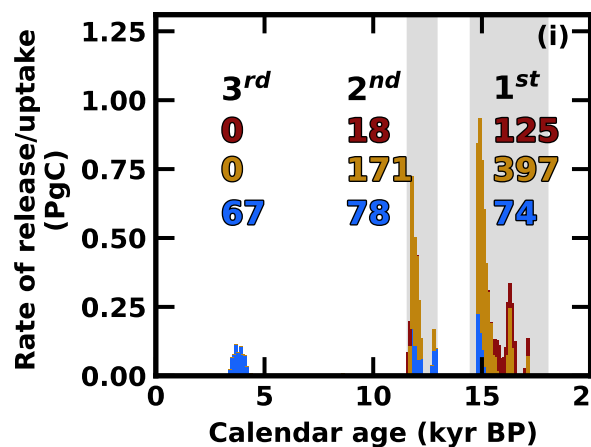
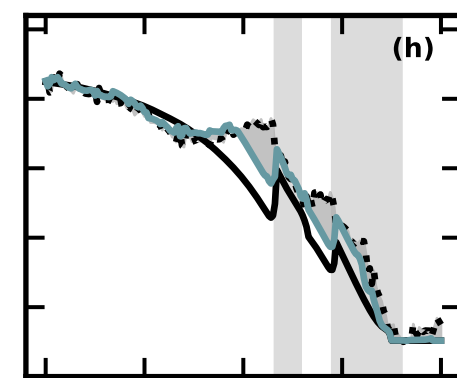
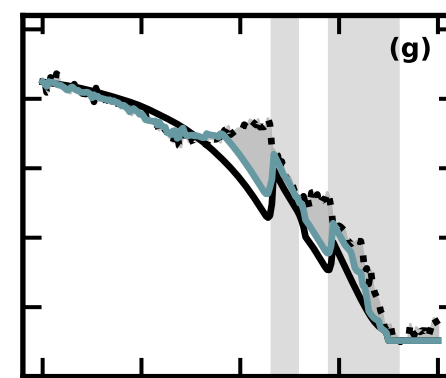
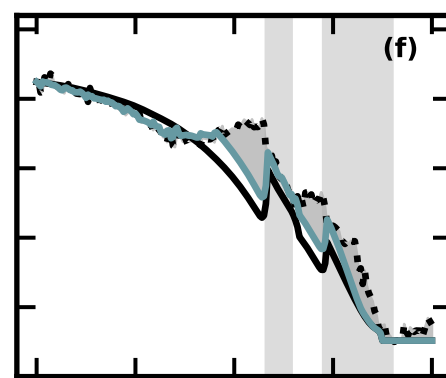
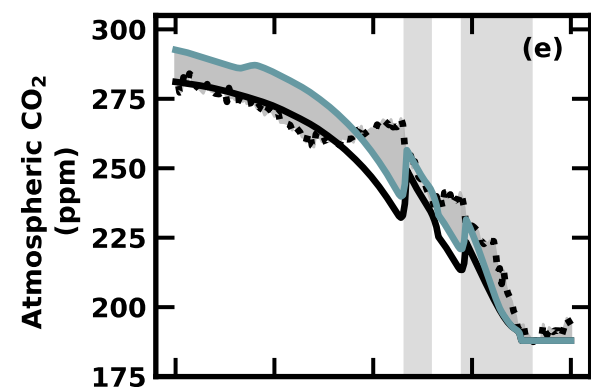
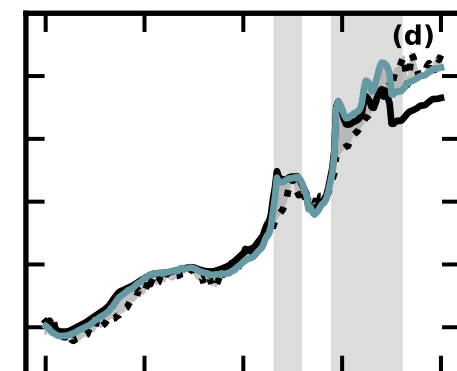
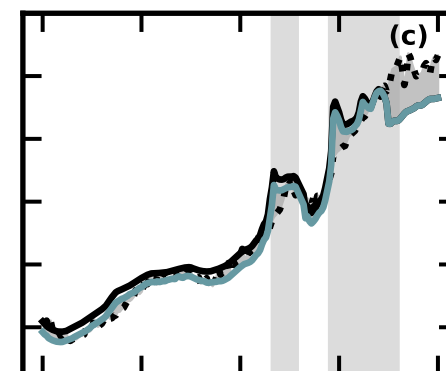
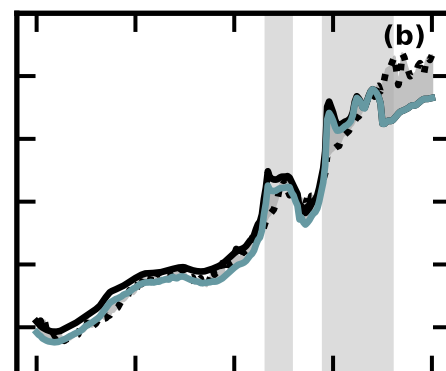
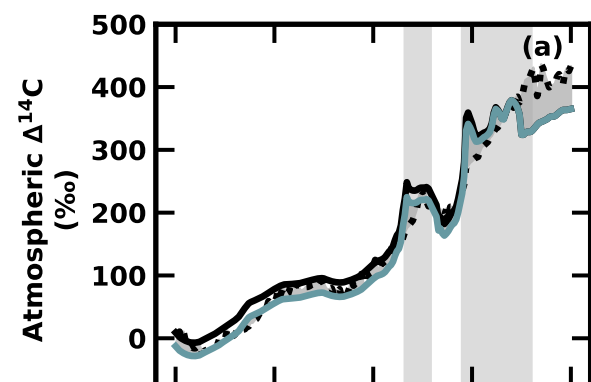
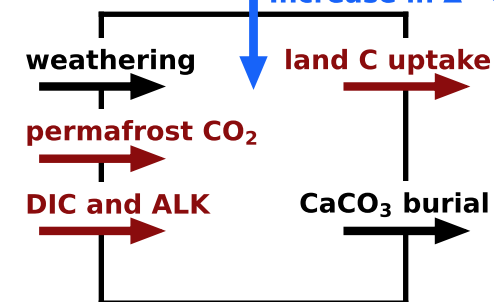
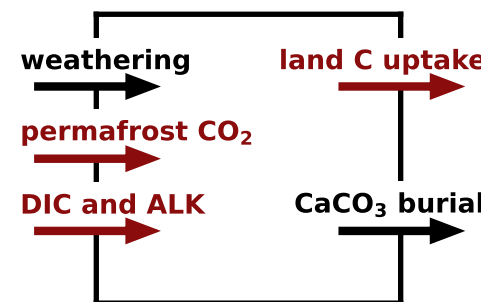
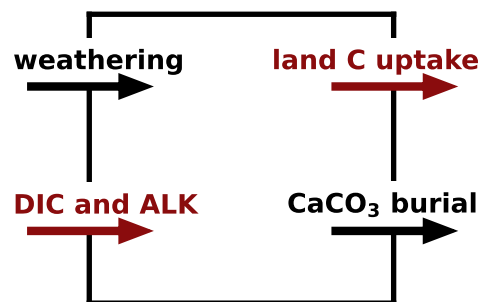
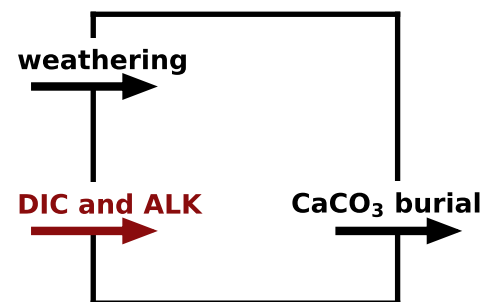


NP

NP+LC

NP+LC+PF

NP+LC+PF+RC

Increase in $\Delta^{14}\text{C}$ 

Simulated by CYCLOPS
 Imposed open-system flux
 Optimized open-system flux

Observations

Control run

Model simulation

Model-data misfit

CO_2 (ALK:DIC < 0.5)

HCO_3^- (0.5 < ALK:DIC < 1.5)

CO_3^{2-} (ALK:DIC > 1.5)

Terrestrial carbon uptake

Terrestrial carbon release