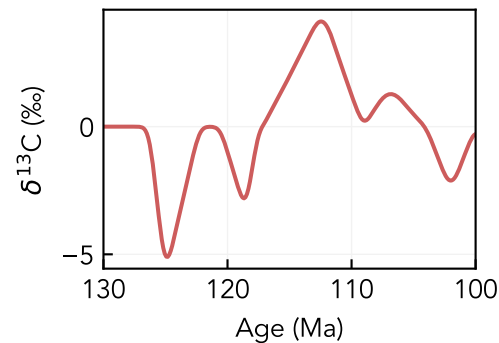
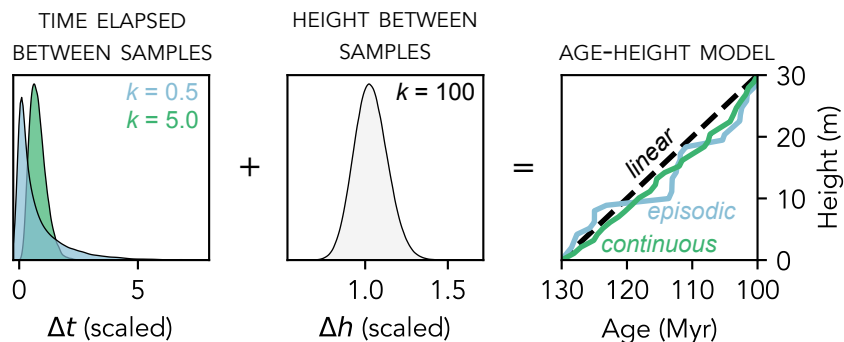
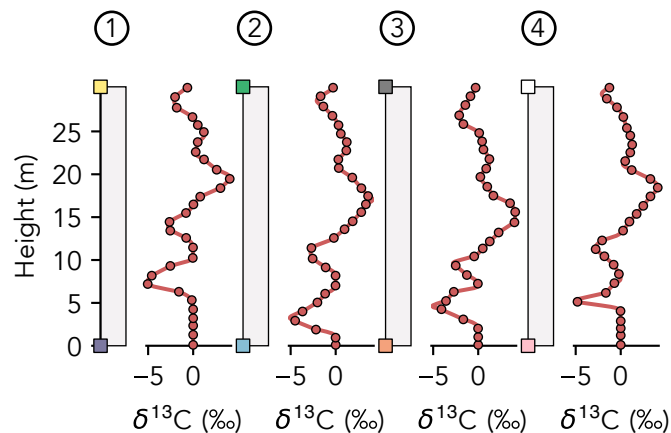
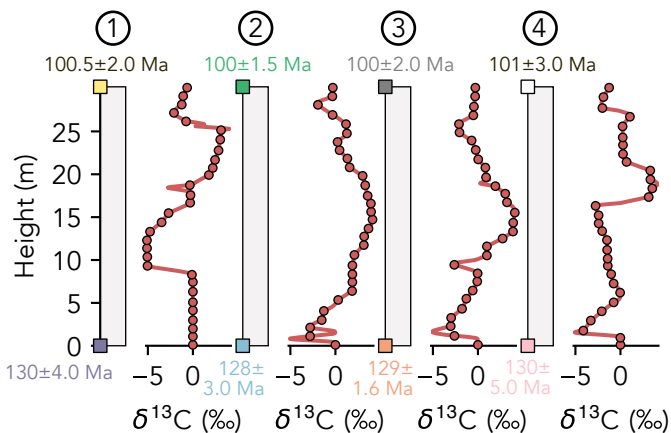


(a) SYNTHETIC PROXY SIGNAL



(b) TRANSLATING SIGNAL TO THE STRATIGRAPHIC RECORD

(c) SYNTHETIC OBSERVATIONS FOR DIFFERENT VALUES OF k $\Delta t \sim \text{Gamma}(k = 0.5, \theta = 1)$ $\Delta t \sim \text{Gamma}(k = 5, \theta = 1)$ 

Limestone
 Depositional age
 Synthetic signal
 Sample