

Atmospheric temperature ( $^{\circ}\text{C}$ )

20  
19  
18  
17

Geologic setting = 50 Ma ago  
Mean latitude of continents =  $30^{\circ}$   
Temperature increase per  $2 \times \text{CO}_2$  =  $3^{\circ}\text{C}$   
Transition  $\text{CO}_2$  spike = 1000 Gton C  
Spinup  $\text{CO}_2$  degassing rate =  $10 \times 10^{12} \text{ mol/a}$   
Land area relative to today = 1

0

0.5

1

1.5

2

Time (Ma)

