

time [yrs BP]

1000

500

0

HadCM3 a

PAGES2k

HadCRUT4

A

MCA

LIA

[°C] GMST  
anomaly  
(1961-1990)

B

[ $\delta^{18}\text{O}$ ]

Bunker cave

HadCM3 a  
entity240  
entity242

C

CO<sub>2</sub>

[ppm]

D

[AOD]

Samalas

1465 mystery

Tambora

Mt Pinatubo

volcanic forcing

E

TSI

[W/m<sup>2</sup>]

relative summer  
insolation (65°N)

F

time [yrs CE]

900

1400

1900

