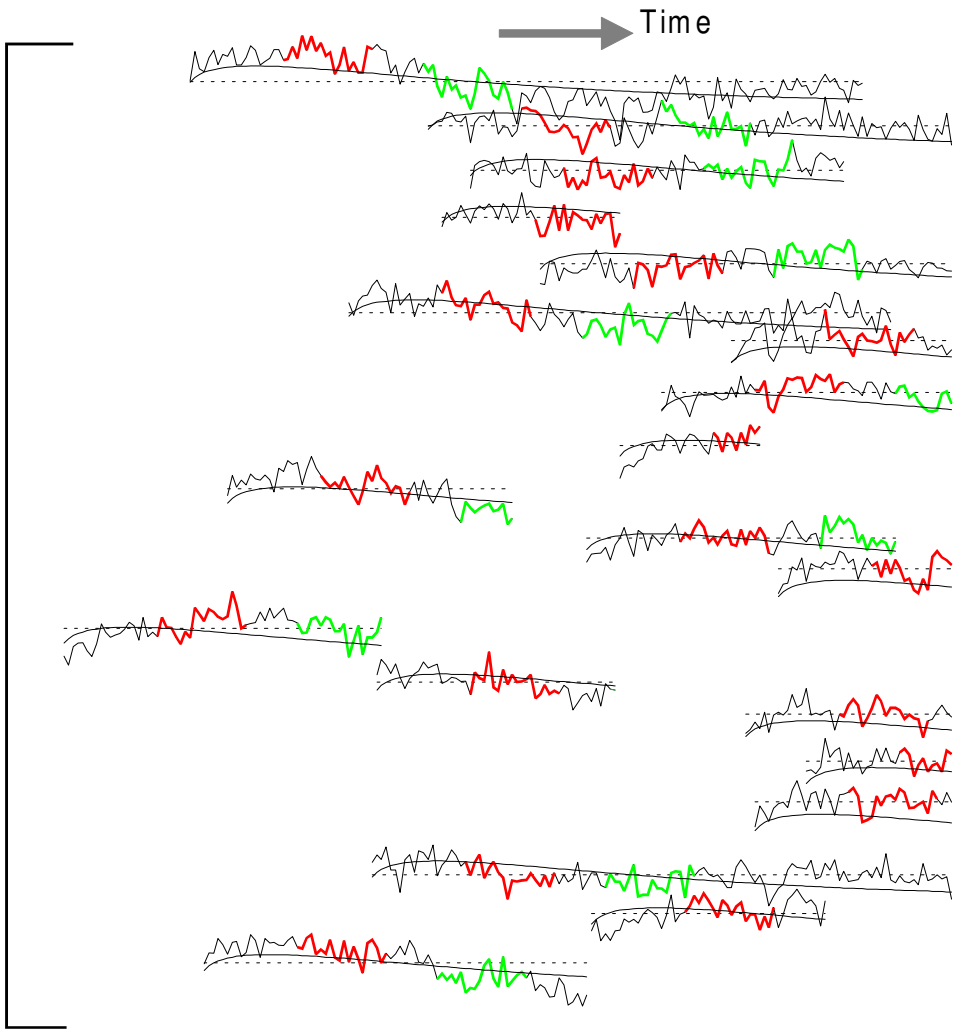
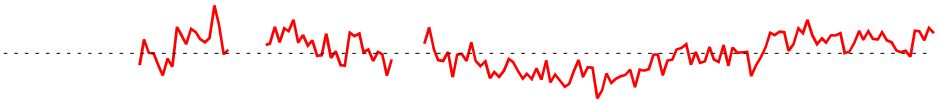


(a)

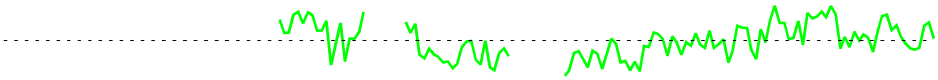
Density measurements from individual tree cores (one site & species only)

climate signal
+
age signal
+
noise

(b) **Average of all 21-40 yr rings**



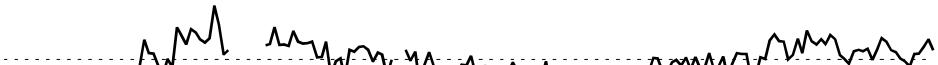
(c) **Average of all 51-70 yr rings**



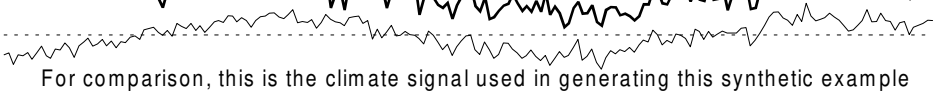
Each age-banded density series is then normalised over a common period, and then averaged with the same age-band from other species and/or sites

All the age-bands are then combined (by averaging) to give (d):

(d)



(e)



For comparison, this is the climate signal used in generating this synthetic example