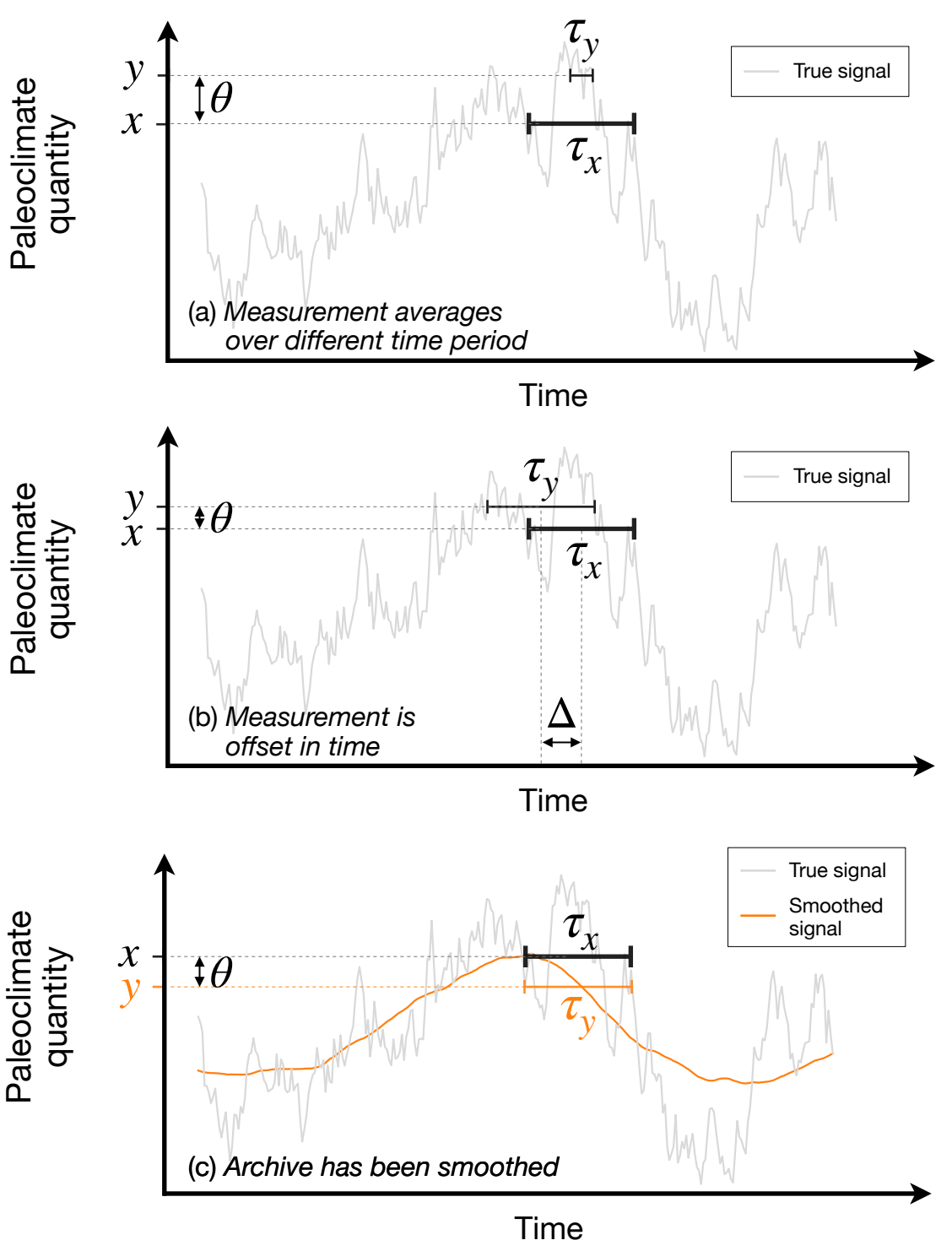
Paleoclimate quantity
y
x
θ
τ_y
τ_x
True signal
(a) Measurement averages over different time period
Time
Paleoclimate quantity
y
x
θ
τ_y
τ_x
True signal
Δ
(b) Measurement is offset in time
Time
Paleoclimate quantity
x
y
θ
τ_x
τ_y
True signal
Smoothed signal
(c) Archive has been smoothed
Time