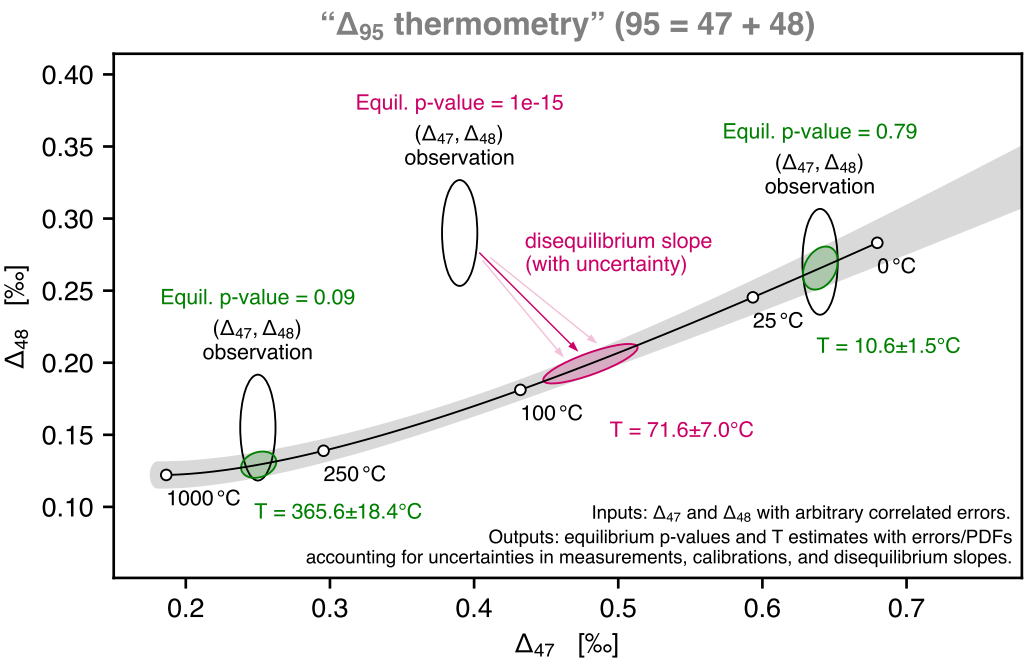
"Δ95 thermometry" (95 = 47 + 48)
Equil. p-value = 1e-15
(Δ47, Δ48)
observation
Equil. p-value = 0.79
(Δ47, Δ48)
observation
disequilibrium slope
(with uncertainty)
Equil. p-value = 0.09
(Δ47, Δ48)
observation
0 °C
25 °C
100 °C
250 °C
1000 °C
T = 10.6±1.5°C
T = 71.6±7.0°C
T = 365.6±18.4°C
Inputs: Δ47 and Δ48 with arbitrary correlated errors.
Outputs: equilibrium p-values and T estimates with errors/PDFs
accounting for uncertainties in measurements, calibrations, and disequilibrium slopes.
Δ48 [‰]
Δ47 [‰]
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.2
0.3
0.4
0.5
0.6
0.7