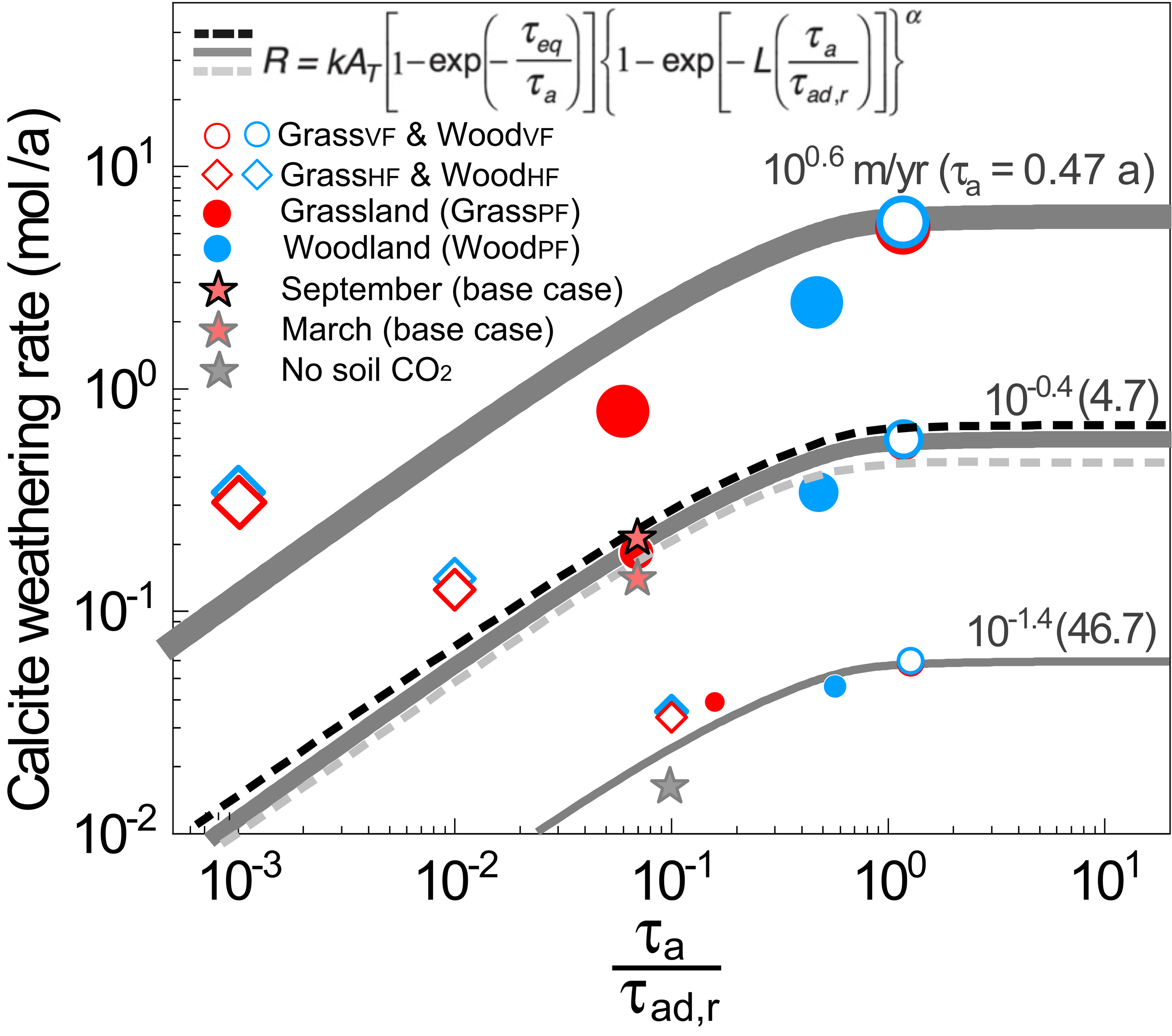
$R = kA_T\left[1-\exp\left(-\frac{\tau_{eq}}{\tau_a}\right)\right]\left\{1-\exp\left[-L\left(\frac{\tau_a}{\tau_{ad,r}}\right)\right]\right\}^{\alpha}$
GrassVF & WoodVF
GrassHF & WoodHF
Grassland (GrassPF)
Woodland (WoodPF)
September (base case)
March (base case)
No soil CO2
$10^{0.6}$ m/yr (τ_a = 0.47 a)
$10^{-0.4}$ (4.7)
$10^{-1.4}$ (46.7)
Calcite weathering rate (mol/a)
10^{1}
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-2}
10^{-1}
10^{0}
10^{1}
$\frac{\tau_a}{\tau_{ad,r}}$