

a)

Tyka et al. (2022)

MITgcm

Concentration-driven

$p\text{CO}_2(\text{atm})$ constant at 415 ppm

TA Increase

TA Decrease

Sediment (CaCO_3 dissolution)

b)

Tiwary, E., Jürchott, M., & Oschlies, A.

UVic 2.9 (noLand)

Emissions-driven

RCP 4.5 & RCP 8.5

TA Increase

Water
Backflow

TA Decrease

Downwelling
of H^+
enriched
water