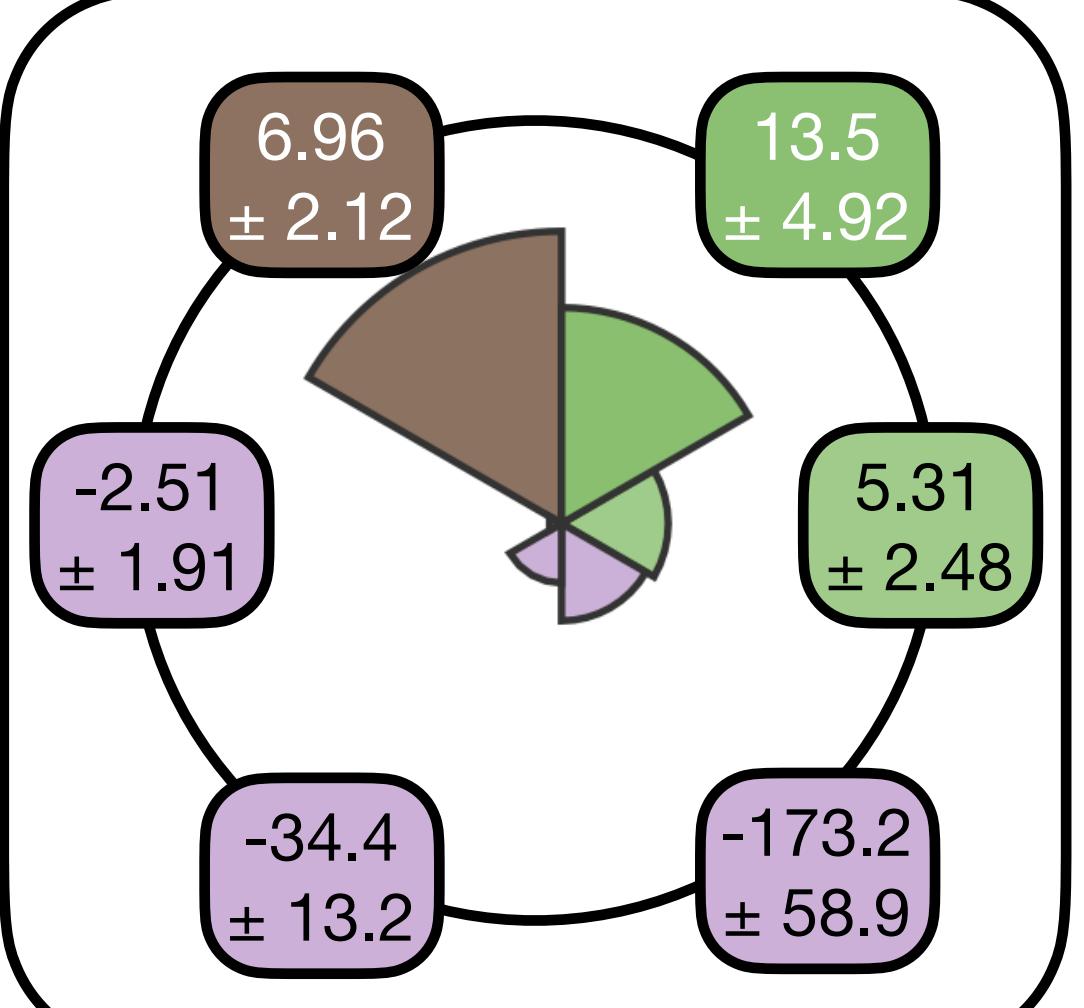


Fleshy macroalgae-Dominated Communities

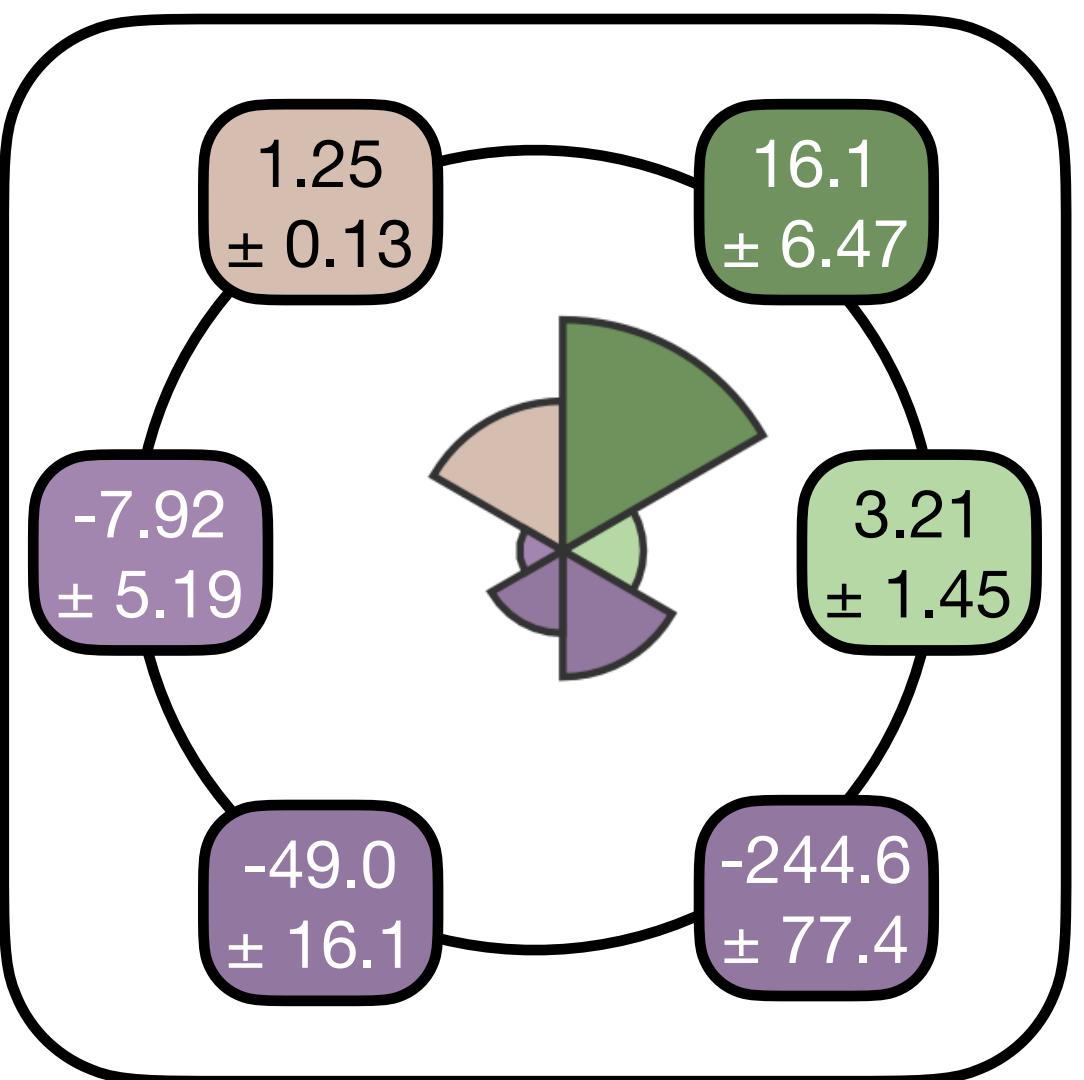
Mixed macroalgae-Dominated Communities

Calcifying macroalgae-Dominated Communities

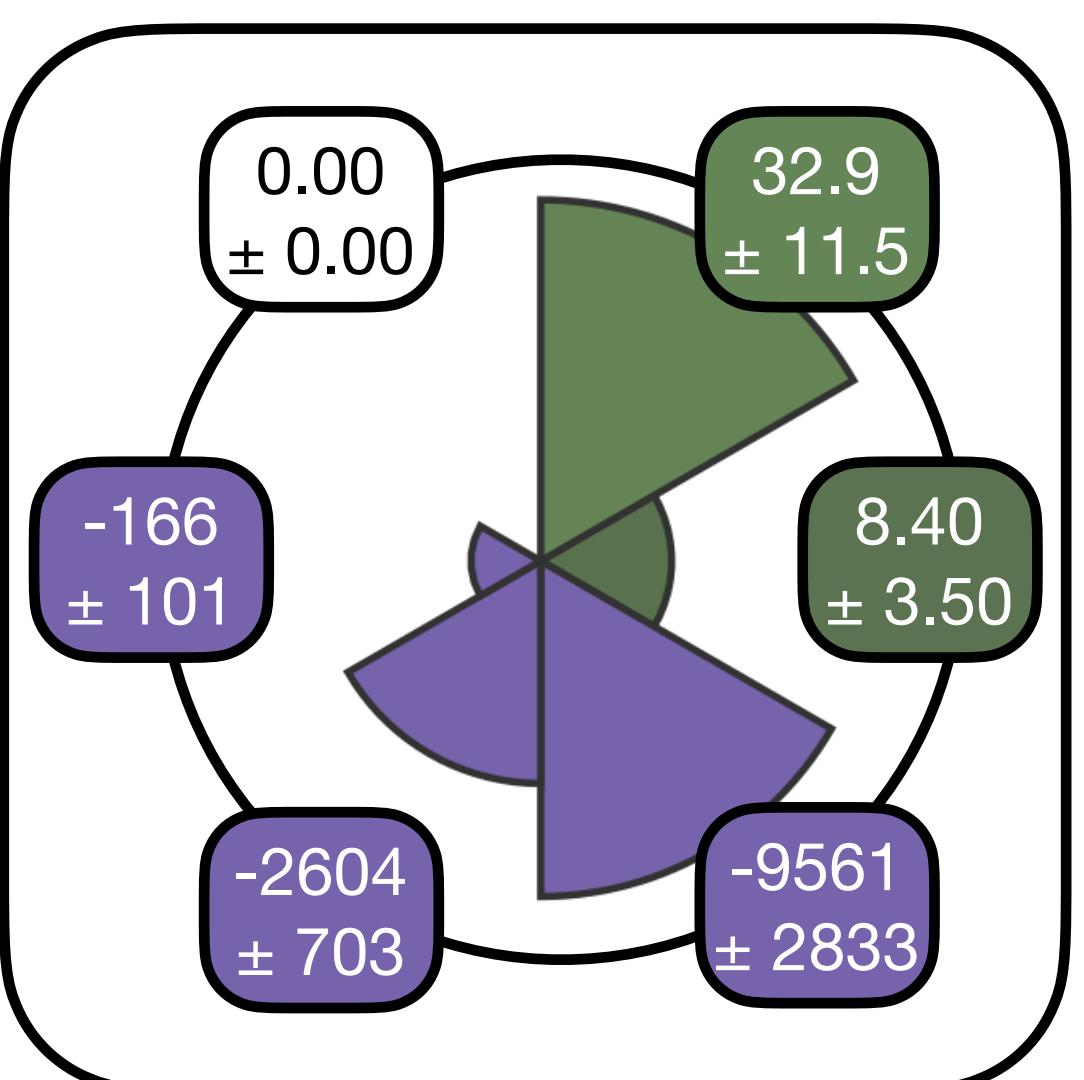
Ambient pH conditions
 $\text{pH}_T = 8.02$ (7.99, 8.05)



Low pH conditions
 $\text{pH}_T = 7.70$ (7.72, 8.00)



Extreme low pH conditions
 $\text{pH}_T = 6.43$ (6.43, 6.68)



Calcification

less more

Primary production

less more

Nutrient uptake

less more

Calcification rate ($\mu\text{mol.g}^{-1}.\text{h}^{-1}$)

Gross Photosynthesis ($\mu\text{mol.g}^{-1}.\text{h}^{-1}$)

Dark Respiration ($\mu\text{mol.g}^{-1}.\text{h}^{-1}$)

$\text{PO}_4^{\cdot-}$ uptake ($\text{nmol.g}^{-1}.\text{h}^{-1}$)

NH_4^+ uptake ($\text{nmol.g}^{-1}.\text{h}^{-1}$)

$\text{NO}_3^{\cdot-}$ uptake ($\text{nmol.g}^{-1}.\text{h}^{-1}$)

