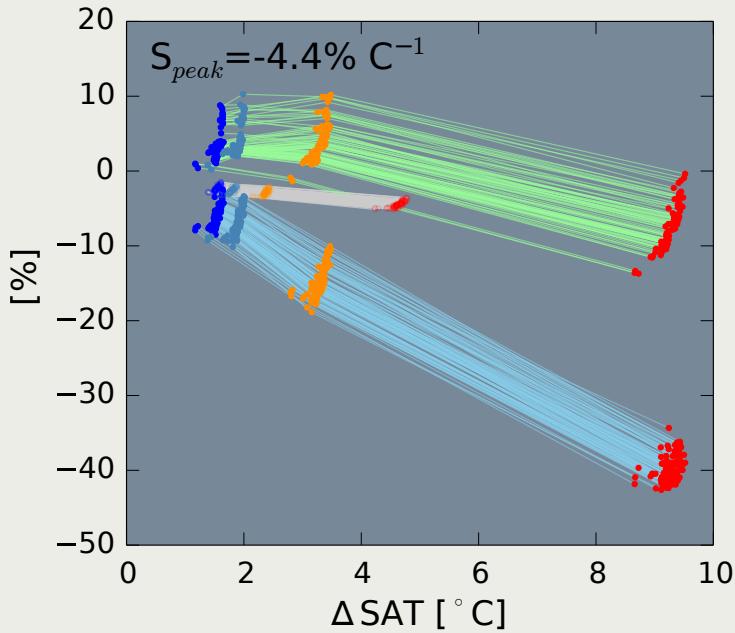
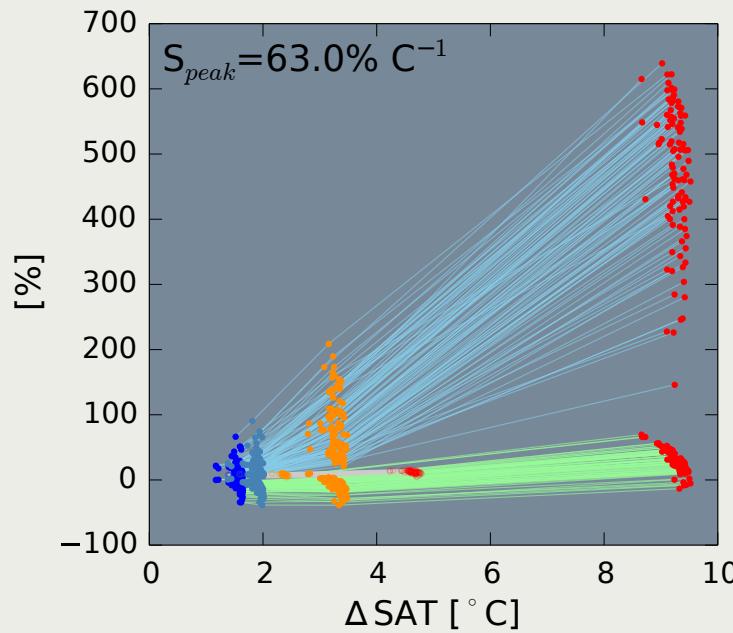


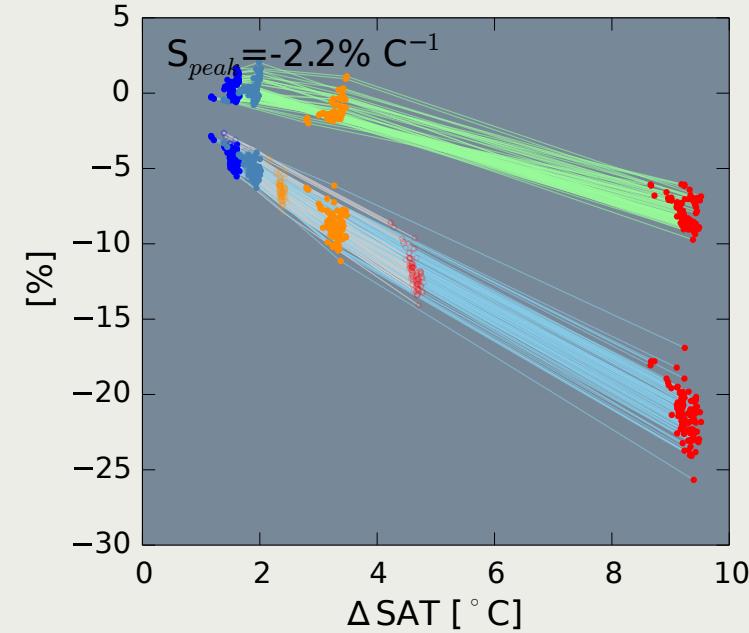
(a) Change in oceanic O<sub>2</sub> inventory



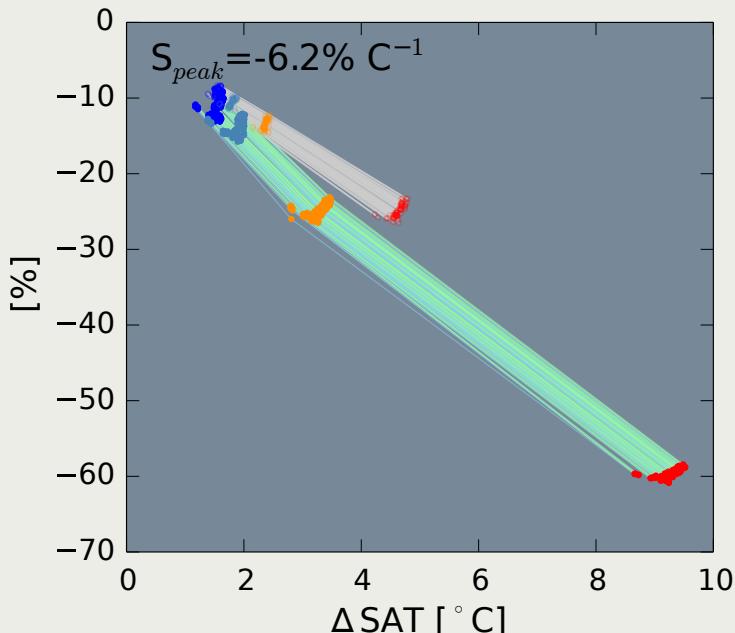
(b) Change in the volume of water with O<sub>2</sub> < 50 mmol m<sup>-3</sup>



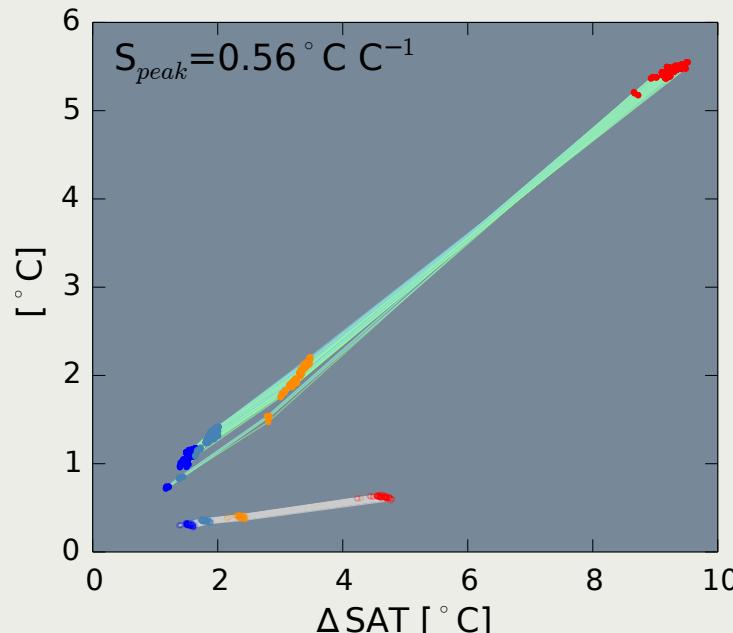
(c) Change in POM export (30° S–30° N)



(d) Change in metabolic index (depth<400 m)



(e) Change in ocean temperature



- • •  $\Delta SAT_{eq} 1.5 \text{ }^{\circ}\text{C}$
  - • •  $\Delta SAT_{eq} 1.9 \text{ }^{\circ}\text{C}$
  - • •  $\Delta SAT_{eq} 3.3 \text{ }^{\circ}\text{C}$
  - • •  $\Delta SAT_{eq} 9.2 \text{ }^{\circ}\text{C}$
- Changes at end of 21<sup>st</sup> century  
 $\Delta SAT$  equilibrium response versus peak change in variable equilibrium change