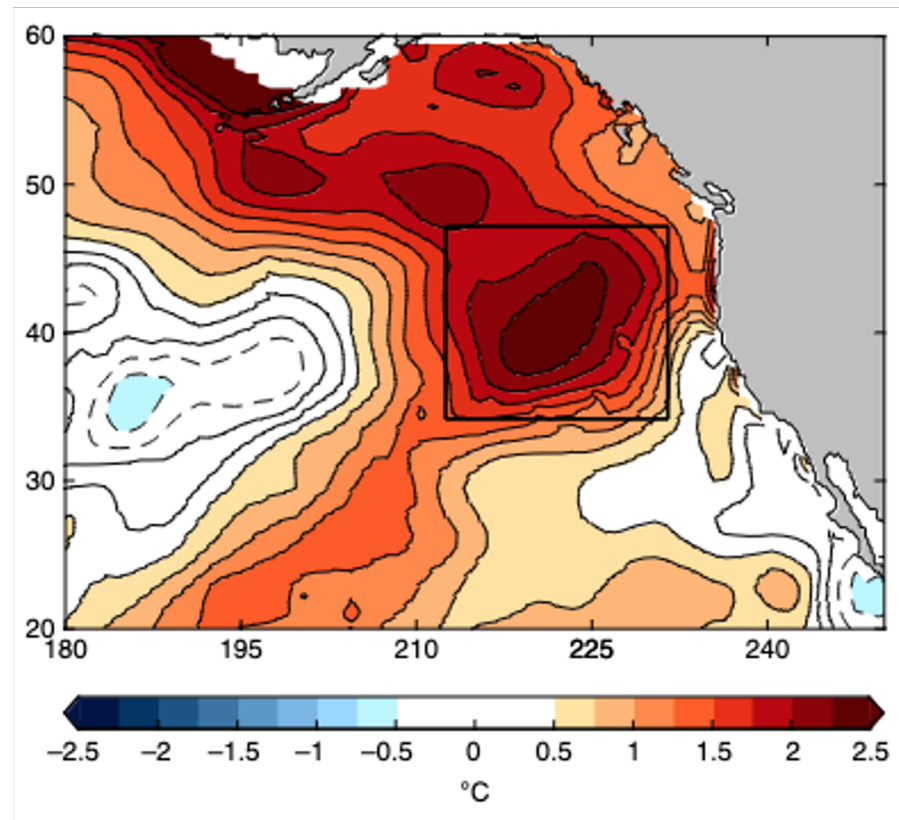


# Blob 2.0 Impacts

Theme 3 Hands-on Activity

# Blob 2.0



[Amaya et al. \(2020\)](#)

## Mini-projects

- Oxygen anomaly associated with Blob 2.0
- Dissolved Inorganic Carbon anomaly associated with Blob 2.0
- Surface ocean chlorophyll anomaly associated with Blob 2.0

## Response of surface and subsurface oxygen to Blob 2.0

Generate maps of the surface and subsurface oxygen concentration anomaly associated with the Summer 2019 Blob 2.0 event using the Sharp et al. observation-based oxygen product ([GOBAI-O<sub>2</sub>](#)).

## Response of surface DIC and $\Omega_{\text{arag}}$ to Blob 2.0

- Generate maps of the surface DIC anomaly associated with the Summer 2019 Blob 2.0 event using the Keppler et al. observation-based oxygen product ([MOBO-DIC](#)).
- Assume that Alk did not change during Blob 2.0. Estimate the approximate change in the surface ocean saturation state of aragonite ( $\Omega_{\text{arag}}$ ) during Blob 2.0.

# Response of surface ocean chlorophyll to Blob 2.0

Generate maps of the surface chlorophyll anomaly associated with the Summer 2019 Blob 2.0 event using the [Ocean Colour CCI blended observations](#).

FTP server: oceancolour.org

Username: oc-cci-data

Password: ELaiWai8ae