



OOI Data Explorations

As of 2/13/2020

Primary Production (2016)

- Primary Production in General (concept map)
- Primary Production Variables (2 versions)
- Chlorophyll-a Across the Year
- Chlorophyll-a Across the Globe
- Chlorophyll-a in Temperate Zones of the Ocean
- Chlorophyll-a Near the Polar Zones of the Ocean
- Chlorophyll-a Inshore vs. Offshore

Properties of Seawater (2017)

- Seasonal Variation of Surface Salinity (E, A)
 - Processes that Change Salinity (E)
 - *Changes in pH with Depth (E, A)
 - *Changes in pH and pCO₂ (E)
 - Changes in Salinity with Depth (E, A)
 - Halocline (E, A)
- *Note, pH data needs to be fixed*

Tectonics & Seamounts (2017)

- Plate Boundary Features (E, A1, A2)
- Geologic Features of a Seamount (E, A1, A2)
- Seamount Diking-Eruption Event Science (E, A)
- Seismic Features at a Seamount (E, A)
- Vent Video Frames (2 scenes + combined)

Completed 2019 Activities

- March: Anoxic Events (E)
- March: Changes in Salinity (E, CI, A)
- June: Chlorophyll-a in Upwelling and Stratified Temperate Regions (E, A, A alt)
- June: Dynamic Air-Sea Interactions (E, CI, A)
- June: Thermohaline Circulation (E1, E2, I)

Drafted / Revisions Pending

- July: CO₂ Exchange Between Air and Sea (2)
- July: Factors affecting Primary Production (2)
- July: Magma Movement and the Shape of the Seafloor (1)
- July: Plate Tectonics and the Seafloor (1)
- Other: Chlorophyll-a and Nitrate
- August: Drivers of Seawater Density (1 widget)
- August: Seasonal Variability In The Mixed Layer (3)

Coming Soon

- March: Ecosystem Vertical Structure
- March: Profiles of DO and Chlorophyll-a in the Open Ocean
- August: Impacts of Ocean Acidification on Shellfish in the Pacific Northwest (2)

Back Burner

- March: Changes in a hydrothermal vent community over time
- March: Seafloor Deformation
- July: Oceanographic Fingerprint of Hurricane Michael at the New England Shelf Break (1)
- August: Our Dynamic Ocean: Surface and Subsurface Interactions from Coast-to-Coast (3)
- August: Climate Patterns at Station Papa in the Gulf of Alaska (1)
- Other: Irminger Sea Jigsaw