OOI Data Explorer Demonstration
dataexplorer.oceanobservatories.org

Brian Stone
Welcome to the Ocean Observatories Initiative Data Explorer, where you can:

- Search and download cabled, uncabled, and recovered data for physical, chemical, geological, and biological observations from the field
- Compare datasets across regions and disciplines
- Generate and share custom data views
- Download full datasets using ERDDAP

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Select a global array and one or more filters. Press the ‘Go’ button to see results.

- **Oregon Coast: Regional Cabled Array**
- **Oregon and Washington Coast: Coastal Endurance**
- **Gulf of Alaska: Global Station Papa**
- **East Coast: Coastal Pioneer**
- **North Atlantic: Global Irminer Sea**
- **South Atlantic: Global Argentine Basin** (Discontinued in 2018)
- **South Pacific: Global Southern Ocean** (Discontinued in 2020)

Select area(s) of interest:
- All platform types
- All instrument types
- All parameters

Advanced: All data in searchable interface
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Merged time series
maximum 1 minute resolution

Per deployment/method
full resolution
Site Location: 45.83049°N, 129.75326°E
Water Depth: 5 to 200 meters

Instrumentation:
- Nitrate
  - Class: NUTNR
  - Class/Series: NUTNRA
  - Make: Satlantic
  - Model: Deep SUNA
  - Discipline: Chemical
  - Category: Water Column
  - Note: Instruments are calibrated before each deployment, so for latest calibration date, see Deployment annotations.

Data Products:
Note: For information on calibration algorithms, processing steps, etc., see the Data Product Specification (DPS) document for each data product.
- Nitrate Concentration (NITROPT)
  - Nitrate Concentration is the amount of the nitrate ion (NO3-) dissolved in seawater.

Processing Steps:
To enable 2D visualizations of profiler data, depth is calculated from pressure using `z_from_p` in the collection_functions library. If you have questions about this, please use the Feedback button above.

Reference Designator (?): RS03AXPS-SF03A-4A-NUTNRA301

More Information:
- OC3NET Data Access
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https://dataexplorer.oceanobservatories.org/go-to-data-views
Interact with Data Views

Explore highlighted views below. Or, create, save, and share your own custom views.

- Global Argentine Basin: Eddies
- Coastal Endurance: Seasonal Upwelling
- Coastal Pioneer: Spring 2018 Storms
- Regional Cabled Array: Axial Volcano Eruption Forecasting
Related data:
- Global Argentine Basin Array overview
- Global Argentine Basin: Plankton Subsurface Mooring A
- Global Argentine Basin: Plankton Subsurface Mooring B

AVISO sea level anomaly data are available at https://marine.copernicus.eu.
There are 2 ways to compare more than one dataset on a comparison chart.

Within the data chart

1. Click the \( \star \) in the data display window.
2. Click in the `Save to data view box` under your view’s name.
3. Click the `Add to compare chart box`.
4. The new data will appear in the comparison chart in a contrasting color, and the name of the data layer will also be added to a list below the comparison chart.
Regional Cabled Array ➔ Axial Basin ➔ Nitrogen: Nitrate

Submit feedback

Comment or suggestion (required)
How do I change the color palette?

Your name
Brian Stone

Your e-mail address
brian@axiomdatascience.com

I'm not a robot
reCAPTCHA

Submit
More of the Data Explorer at AGU

Thursday December 10th - 11 am-noon Eastern
Participate in a data challenge
Two members of OOI’s data team, Mike Vardaro, RCA and University of Washington, and Andrew Reed, CGSN and Woods Hole Oceanographic Institution, will lead participants through a series of three data challenges to demonstrate the capabilities of the Data Explorer.

Friday December 11th - 11 am-noon Eastern
Learn how to create data views using the new Data Explorer
OOI Data Team and Coastal Endurance team member Craig Risien will guide us through the steps of creating a data view using Coastal Endurance array data to demonstrate this feature of OOI’s new data discovery tool, Data Explorer.
Thank you!

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