



Using Data Explorer to Access OOI Data

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Northeast Pacific OOI Workshop
June 7, 2022



The OOI Data Explorer



[Home](#) [Access Array Data](#) [Data views](#) [Downloads](#) [Settings](#) [Share](#) [Help](#) [Feedback](#)

OOI Data Explorer

[Data Access](#)[Interactive Data Views](#)[Visit OOI Data Portal](#)

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

How to use the Data Explorer:

- Click here to view available Help Resources
- Click here to send us your feedback
- Click here for portal release notes

Data Disclaimer:

All products published on this website are prototype products and are not intended to be used for navigational or operational purposes. This website provides an aggregation and display service for distributed data and modeling products that come from a wide array of contributors. We are grateful to those contributors and make every attempt to give them credit for their products. We welcome suggestions for clarification or correction, as appropriate.



The OOI Data Explorer



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Access and Explore Data ^{BETA}

Search for an instrument, parameter, location or reference designator

Or select a global array and one or more filters. Press the 'Go' button to see results.

Oregon Margin: Regional Cabled Array and Axial Seamount

Oregon and Washington Coast: Coastal Endurance

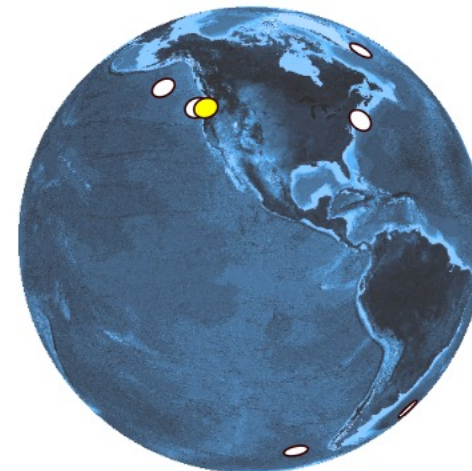
Gulf of Alaska: Global Station Papa

East Coast: Coastal Pioneer

North Atlantic: Global Irminger 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](#)

Go

The OOI Data Explorer



Home Access Array Data Data views 7 Downloads 0 Settings Share Help Feedback

All platform types All instrument types 35 All parameters 114
Go

Advanced: All data in searchable interface

Interact with Data Views

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



Photo Credit: Dr. Liz Perotti

Coastal Endurance: Forest fire smoke

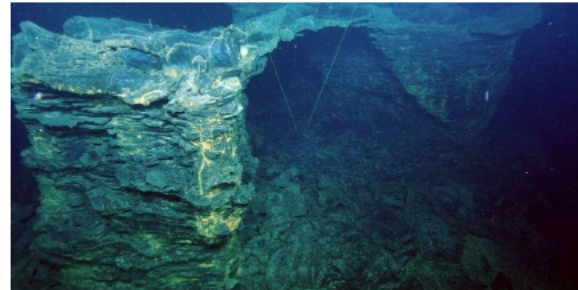


Photo Credit: UW/DOI-NSF/CSSF

Regional Cabled Array: Axial Volcano Eruption Forecasting



Photo Credit: Tina Thomas, © Woods Hole Oceanographic Institution

Global Argentine Basin: Eddies



Photo Credit: WHOI

Coastal Endurance: Seasonal Upwelling

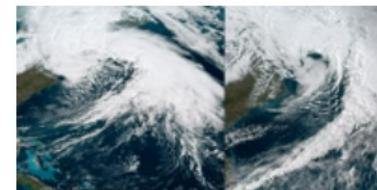


Photo Credit: NOAA

Coastal Pioneer: Spring 2018 Storms

The Endurance Array

 OCEAN
OBSERVATORIES
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Home **Access Array Data** Data views 7 Downloads 0 Settings Share Help Feedback

Search for an instrument, parameter, location or reference designator

Or select a global array and one or more filters. Press the 'Go' button to see results.

Oregon Margin: Regional Seismicity and Axial amount

Oregon and Washington Coast: Coastal Endurance

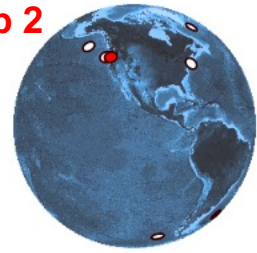
Coast of Alaska: Global Station Papa

East Coast: Coastal Pioneer

North Atlantic: Global Irminger Sea

South Atlantic: Global Argentine Basin

South Pacific: Global Southern Ocean



Select area(s) of interest

All platform types 8

All instrument types 20

All parameters 75

Go

Search results: All data in searchable interface

- Compare datasets across regions and disciplines
- Generate and share custom data views
- Download full datasets using ERDDAP

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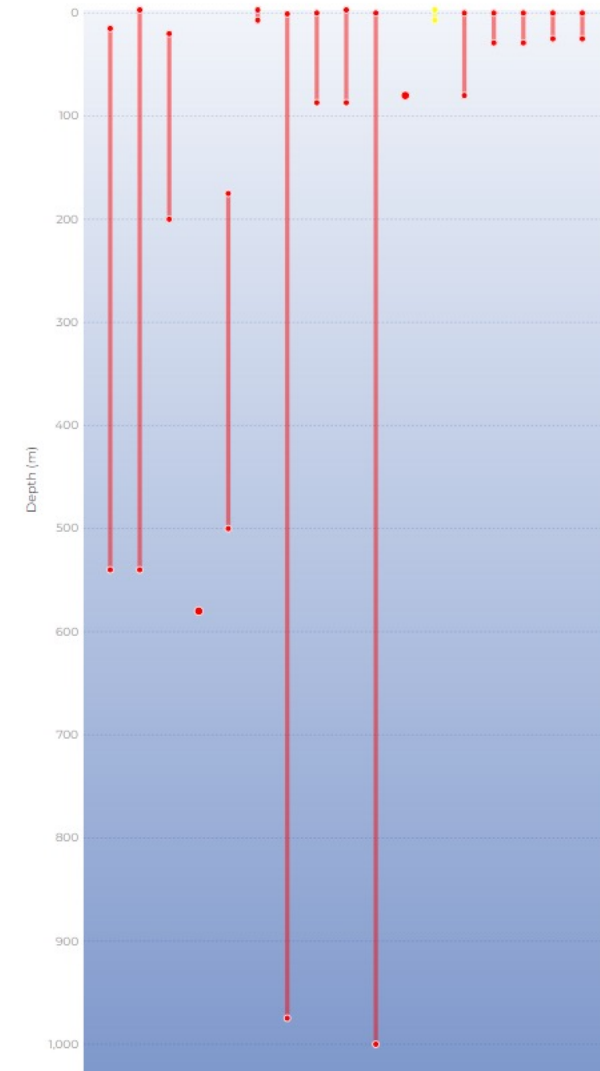
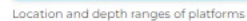
Visit OOI.NET Data Portal



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Overview More information Nodes Gliders Cruise data Instrument types Parameters Platform types Search Glider and Cruise selector

Cruise data
Mobile Assets
Oregon Inshore Surface Mooring
Oregon Inshore Surface Piercing Profiler Mooring
Oregon Offshore Cabled Benthic Experiment Package
Oregon Offshore Cabled Deep Profiler Mooring
Oregon Offshore Cabled Shallow Profiler Mooring
Oregon Offshore Surface Mooring
Oregon Shelf Cabled Benthic Experiment Package
Oregon Shelf Surface Mooring
Oregon Shelf Surface Piercing Profiler Mooring
Washington Inshore Surface Mooring
Washington Inshore Surface Piercing Profiler Mooring
Washington Offshore Profiler Mooring
Washington Offshore Surface Mooring
Washington Shelf Surface Mooring
Washington Shelf Surface Piercing Profiler Mooring



The Oregon Shelf Surface Mooring (CE02SHSM)

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Coastal Endurance Oregon Shelf Surface Mooring

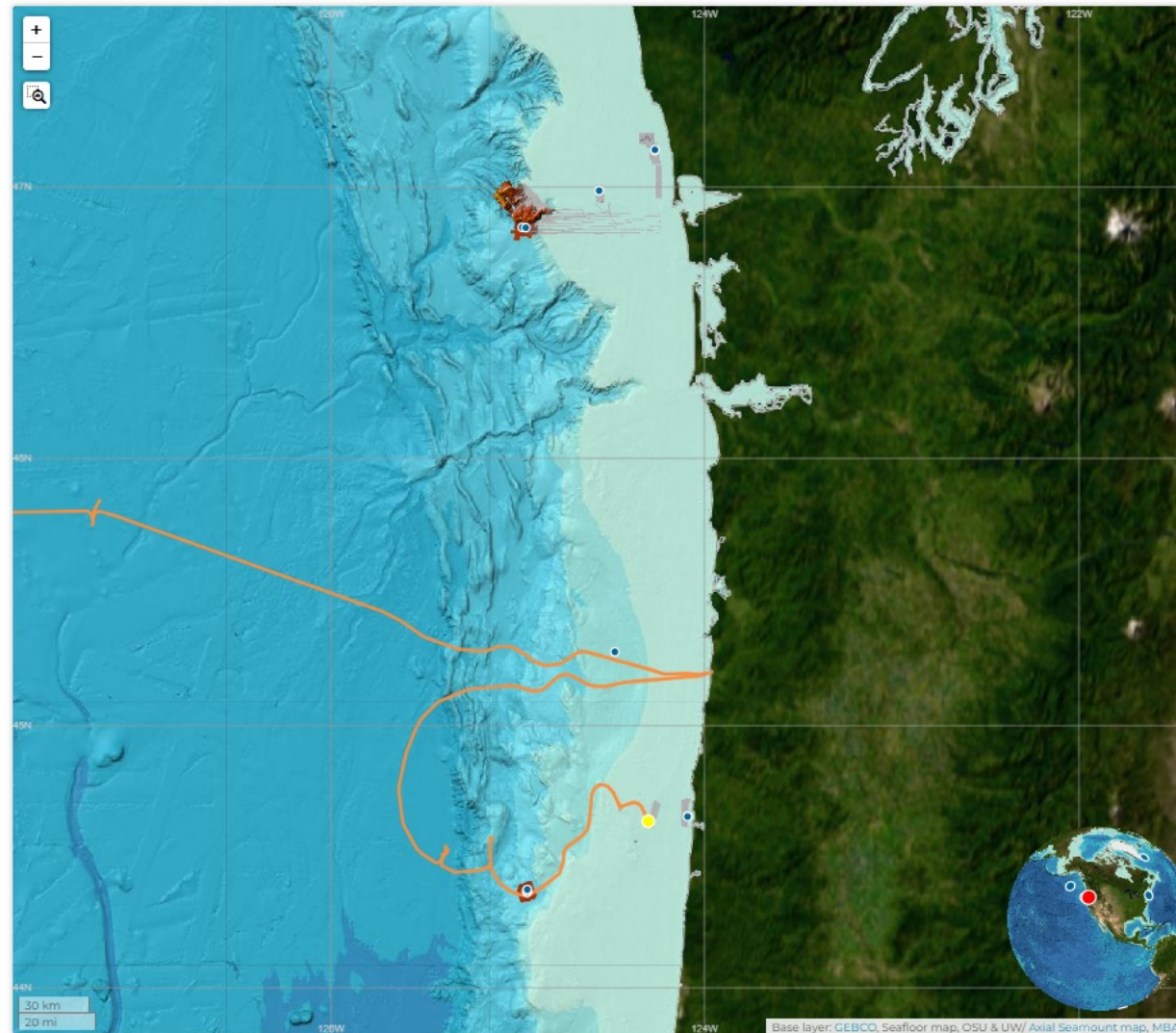
Overview More information Nodes Instrument types Parameters Search

Nodes

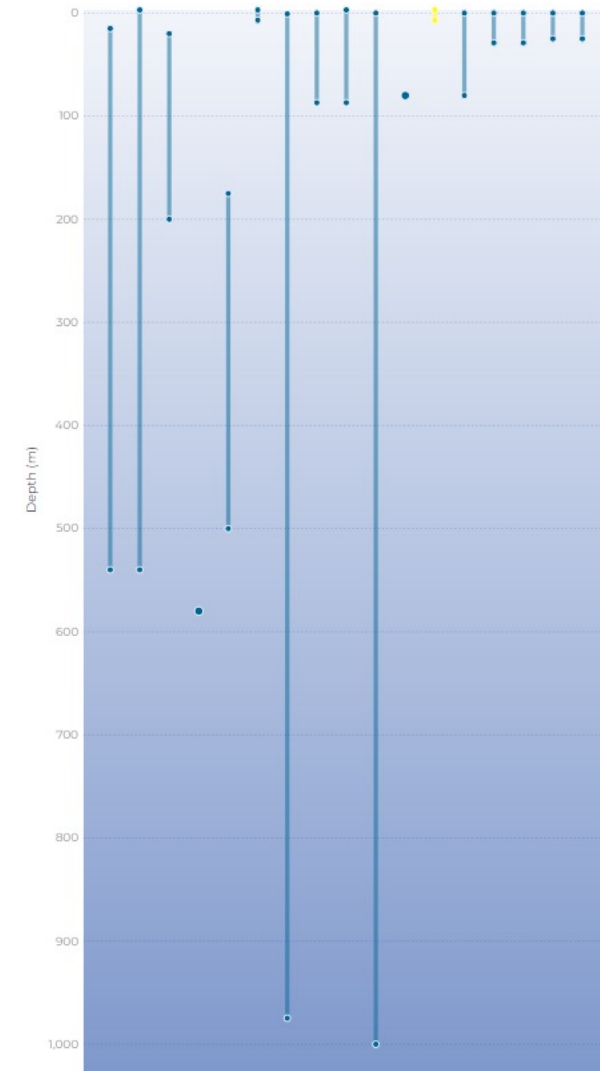
Next to the Instrument Frame

Surface Buoy

Surface Buoy



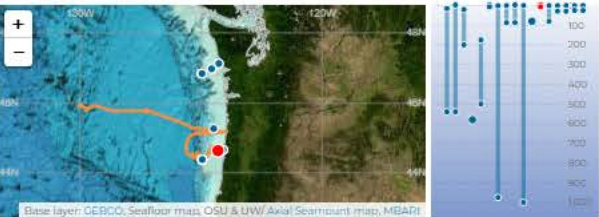
Location and depth ranges of platforms



The Oregon Shelf Surface Mooring (CE02SHSM)

Coastal Endurance Oregon Shelf Surface Mooring

Overview More information Nodes Instrument types Parameters Search



Near Surface Instrument Frame

Surface Buoy

Winds: Northward Wind

Surface Buoy

All parameters 44 All instruments 5

Net Shortwave Irradiance - Hourly

Radiative Flux: Downwelling Longwave Flux In Air

Radiative Flux: Downwelling Shortwave Flux In Air

Salinity

Temperature: Air Temperature

Temperature: Sea Surface Temperature

Temperature: Skin Seawater Temperature

Waves: Average Period

Waves: Height and Direction

Waves: Maximum Height

Waves: Significant Height and Direction

Waves: Significant Period

Wind Velocity - Northerly

Wind: Along Wind Component of Momentum Flux

Wind: Cross Wind Component of Momentum Flux

Winds at 10 m

Winds: Eastward Wind

Winds: Eastward Wind

Winds: Northward Wind

Winds: Vertical Wind

Metadata Annotations

Conductivity: Bulk Meteorology Instrument Package

3 (m)



Metadata Annotations

Heat Flux: Latent Heat Flux - Minute: Bulk Meteorology Instrument Package

3 (m)



Metadata Annotations

Heat Flux: Net Heat Flux - Minute: Bulk Meteorology Instrument Package

3 (m)

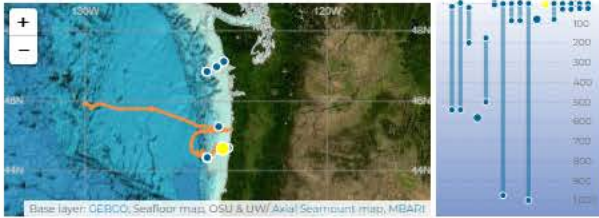


The Oregon Shelf Surface Mooring (CE02SHSM)

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Coastal Endurance Oregon Shelf Surface Mooring

Overview More information Nodes Instrument types Parameters Search



Near Surface Instrument Frame
Surface Buoy

Surface Buoy

Winds: Northward 44 All instruments 1 Sort on

1 of 47

Data Inventory Downloads Annotations Deployments More information

Winds: Northward Wind: Bulk Meteorology Instrument Package

Winds: Northward Winds



Metadata Annotations

Download

The Oregon Shelf Surface Mooring (CE02SHSM)

Coastal Endurance Oregon Shelf Surface Mooring Surface Buoy: Bulk Meteorology Instrument Package

Winds: Northward Wind

Data

More information

Annotations list

All downloads

Find nearby sample and glider profiles

ChartTime seriesAutoscaleTime bin: allAuto

Star icon



Time bounds control

Nov 30, 2018 - Nov 30, 2018

Set the time range

Observations

Min/max envelope Mean

QARTOD

Pass Not evaluated Suspect Fail Missing data

Seasonal statistics

Mean to 90th percentile Mean to 10th percentile Mean High Low

Downloads Station Source QC Information

Parameter information

Northward Wind

Sensor URN: https://mmisw.org/ont/ct/parameter/northward_wind

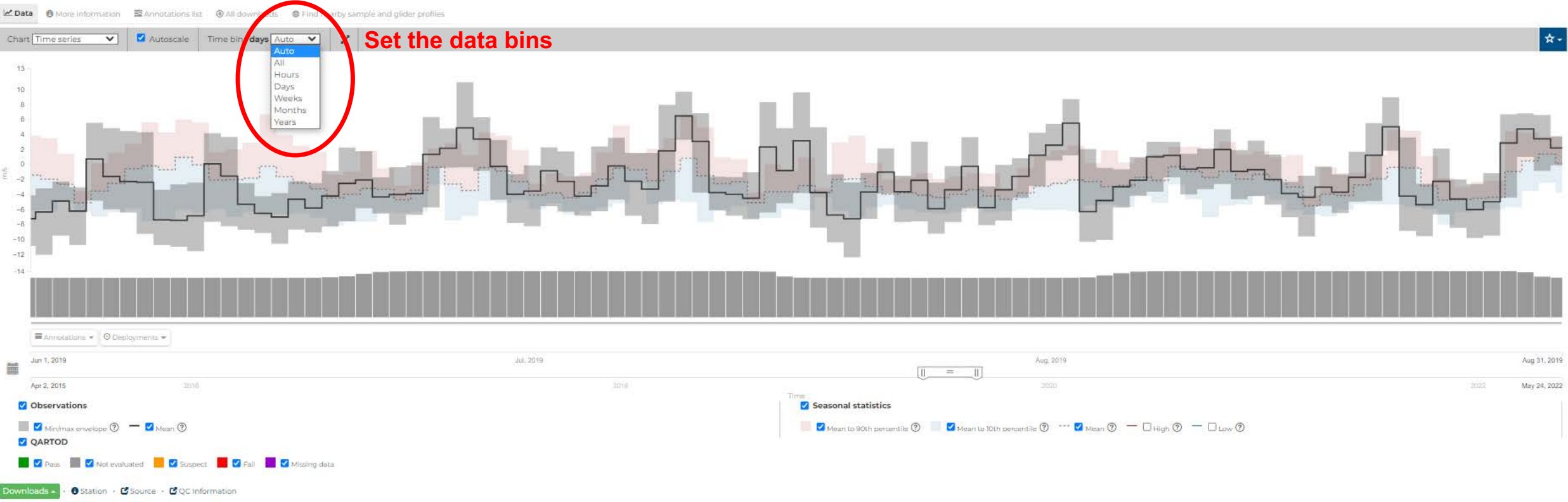
Parameter URI: https://mmisw.org/ont/ct/parameter/northward_wind

Start	End	Cell methods	Min Depth	Max Depth	Interval	Vertical Datum	Discriminant	Download
Apr 2, 2015 20:41 (UTC)	May 25, 2022 02:36 (UTC)	-	0	0	-	-	-	Download

The Oregon Shelf Surface Mooring (CE02SHSM)

Coastal Endurance Oregon Shelf Surface Mooring Surface Buoy: Bulk Meteorology Instrument Package

Winds: Northward Wind



Parameter information								
Northward Wind								
Sensor URN: https://mmisw.org/ont/ct/parameter/northward_wind								
Parameter URI: https://mmisw.org/ont/ct/parameter/northward_wind								
Start	End	Cell methods	Min Depth	Max Depth	Interval	Vertical Datum	Discriminant	Download
Apr 2, 2015 20:41 (UTC)	May 25, 2022 02:36 (UTC)	-	0	0	-	-	-	Download

The Oregon Shelf Surface Mooring (CE02SHSM)

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Settings Share Help Feedback

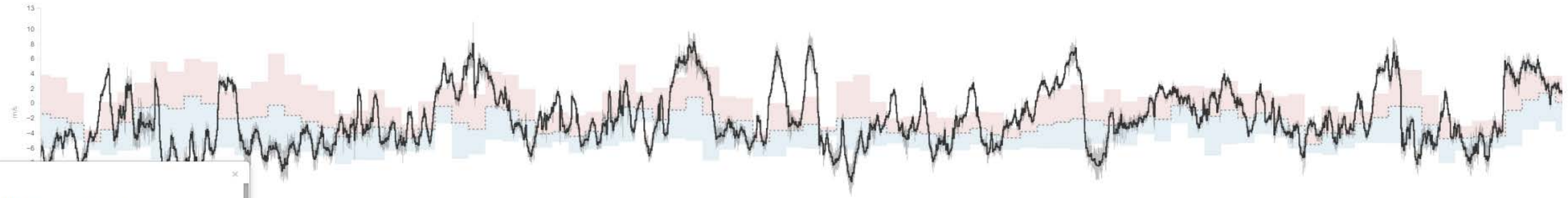
Coastal Endurance Oregon Shelf Surface Mooring Surface Buoy: Bulk Meteorology Instrument Package

Winds: Northward Wind

Data More Information Annotation All downloads

Full-resolution time series

Chart Time series Autoscale Time bin Hours



Time series as visualized

See [help documentation](#) for more information.

ERDDAP Dataset Charts Metadata

CSV Download

NetCDF Download

Full-resolution time series

[Go to downloads page](#)

Downloads Station Source QC Information

Download data

Parameter information

Northward Wind

Sensor URN: https://mmisw.org/ont/ctf/parameter/northward_wind

Parameter URI: https://mmisw.org/ont/ctf/parameter/northward_wind

Start	End	Cell methods	Min Depth	Max Depth	Interval	Vertical Datum	Discriminant	Download
Apr 2, 2015 20:41 (UTC)	May 25, 2022 02:36 (UTC)	-	0	0	-	-	-	Download

Data Downloads

Download queue

Time series as visualized?
See [help documentation](#) for more information.

ERDDAP
[Dataset](#) [Charts](#)
[Metadata](#)

CSV
[Download](#)

NetCDF
[Download](#)

Full-resolution time series?
[Go to downloads page](#)

Download image
[Download](#)

☐ **Queue for download**

Calculated data
Binned days [Download](#)

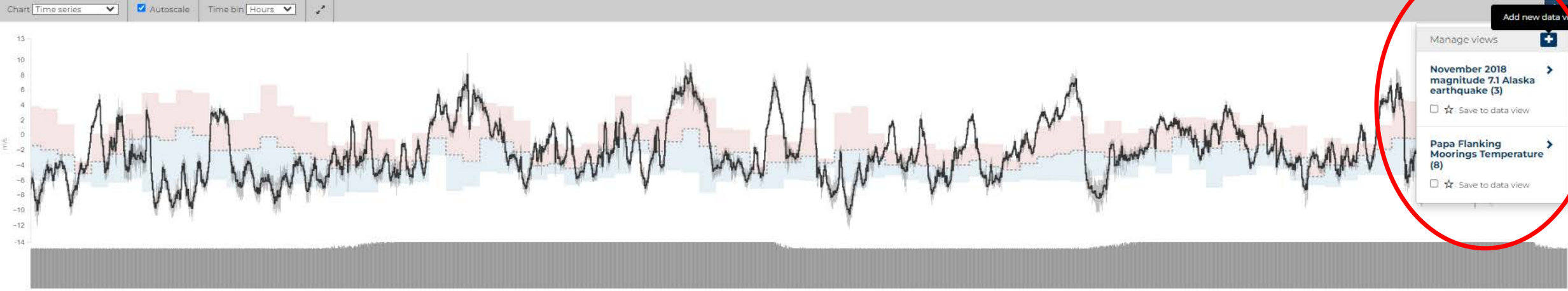
[Downloads](#) [Station](#) [Source](#) [QC Information](#)

The Oregon Shelf Surface Mooring (CE02SHSM)

Coastal Endurance Oregon Shelf Surface Mooring Surface Buoy: Bulk Meteorology Instrument Package

Winds: Northward Wind

Data More Information Annotations list All downloads Find nearby sample and glider profiles



Annotations Deployments

Jun 1, 2019 Jul 2019 Aug 2019 Aug 31, 2019

Apr 2, 2015 2016 2018 2020 2022 May 24, 2022

Observations

☒ Min/max envelope ☒ Mean

☒ QARTOD

☒ Pass ☒ Not evaluated ☒ Suspect ☒ Fail ☒ Missing data

Seasonal statistics

☒ Mean to 90th percentile ☒ Mean to 10th percentile ☒ Mean ☐ High ☐ Low

Downloads Station Source QC Information

Parameter information								
Northward Wind								
Sensor URN: https://mmisw.org/ont/ct/parameter/northward_wind								
Parameter URI: https://mmisw.org/ont/ct/parameter/northward_wind								
Start	End	Cell methods	Min Depth	Max Depth	Interval	Vertical Datum	Discriminant	Download
Apr 2, 2015 20:41 (UTC)	May 25, 2022 02:36 (UTC)	-	0	0	-	-	-	Download

Add data to a Data View

Add new data view

Manage views

November 2018 magnitude 7.1 Alaska earthquake (3)

☐ Save to data view

Papa Flanking Mooring's Temperature (8)

☐ Save to data view

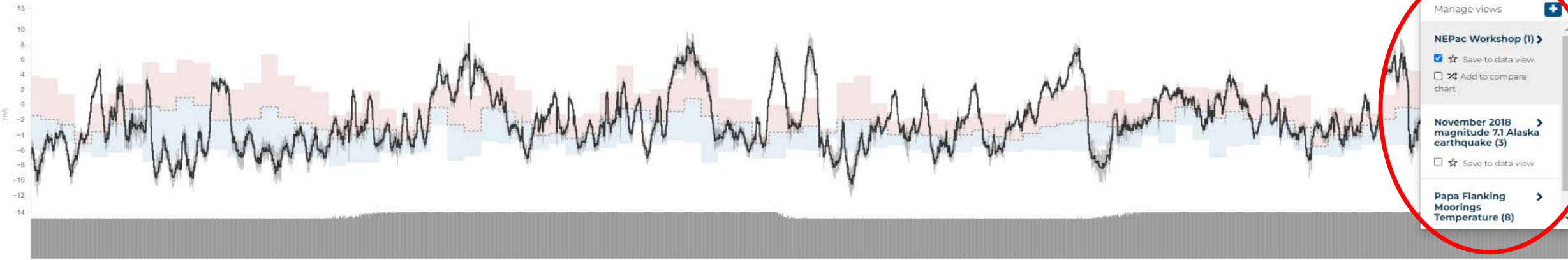


The Oregon Shelf Surface Mooring (CE02SHSM)

Coastal Endurance Oregon Shelf Surface Mooring Surface Buoy: Bulk Meteorology Instrument Package
Winds: Northward Wind

Data More information Annotations list All downloads Find nearby sample and glider profiles

Chart Time series Autoscale Time bin Hours



Data added to a Data View

Manage views

NEPac Workshop (1)

☒ Save to data view

☐ Add to compare chart

November 2018 magnitude 7.1 Alaska earthquake (3)

☐ Save to data view

Papa Flanking Moorings Temperature (8)

Annotations Deployments

Jun 1, 2019 Jul, 2019 Aug, 2019 Aug 31, 2019

Apr 2, 2015 2016 2018 2020 2022 May 24, 2022

☒ Observations

☒ Min/max envelope ☒ Mean

☒ QARTOD

☒ Pass ☒ Not evaluated ☒ Suspect ☒ Fail ☒ Missing data

Time

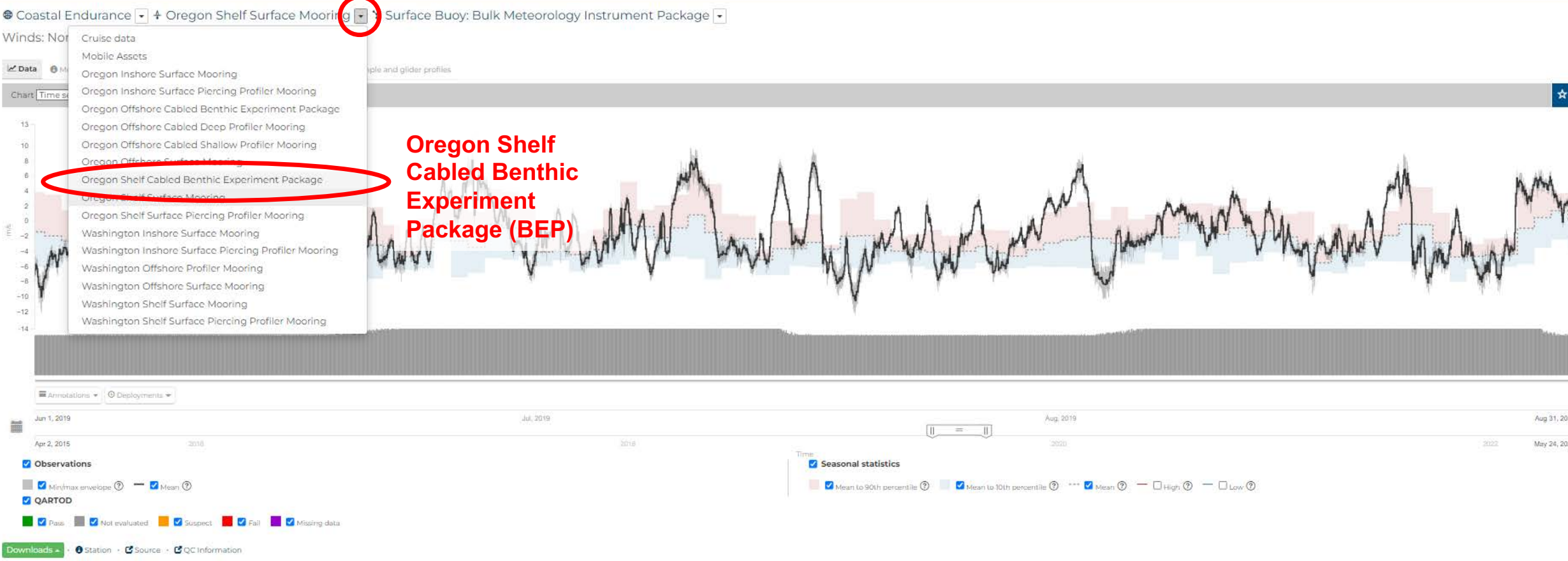
☒ Seasonal statistics

☒ Mean to 90th percentile ☒ Mean to 10th percentile ☒ Mean ☐ High ☐ Low

Downloads Station Source QC Information

Parameter information								
Northward Wind								
Sensor URN: https://mmisw.org/ont/ct/parameter/northward_wind								
Parameter URI: https://mmisw.org/ont/ct/parameter/northward_wind								
Start	End	Cell methods	Min Depth	Max Depth	Interval	Vertical Datum	Discriminant	Download
Apr 2, 2015 20:41 (UTC)	May 25, 2022 02:36 (UTC)	-	0	0	-	-	-	Download

The Oregon Shelf BEP (CE02SHBP)



Parameter information

Northward Wind

Sensor URN: https://mmisw.org/ont/ct/parameter/northward_wind

Parameter URI: https://mmisw.org/ont/ct/parameter/northward_wind

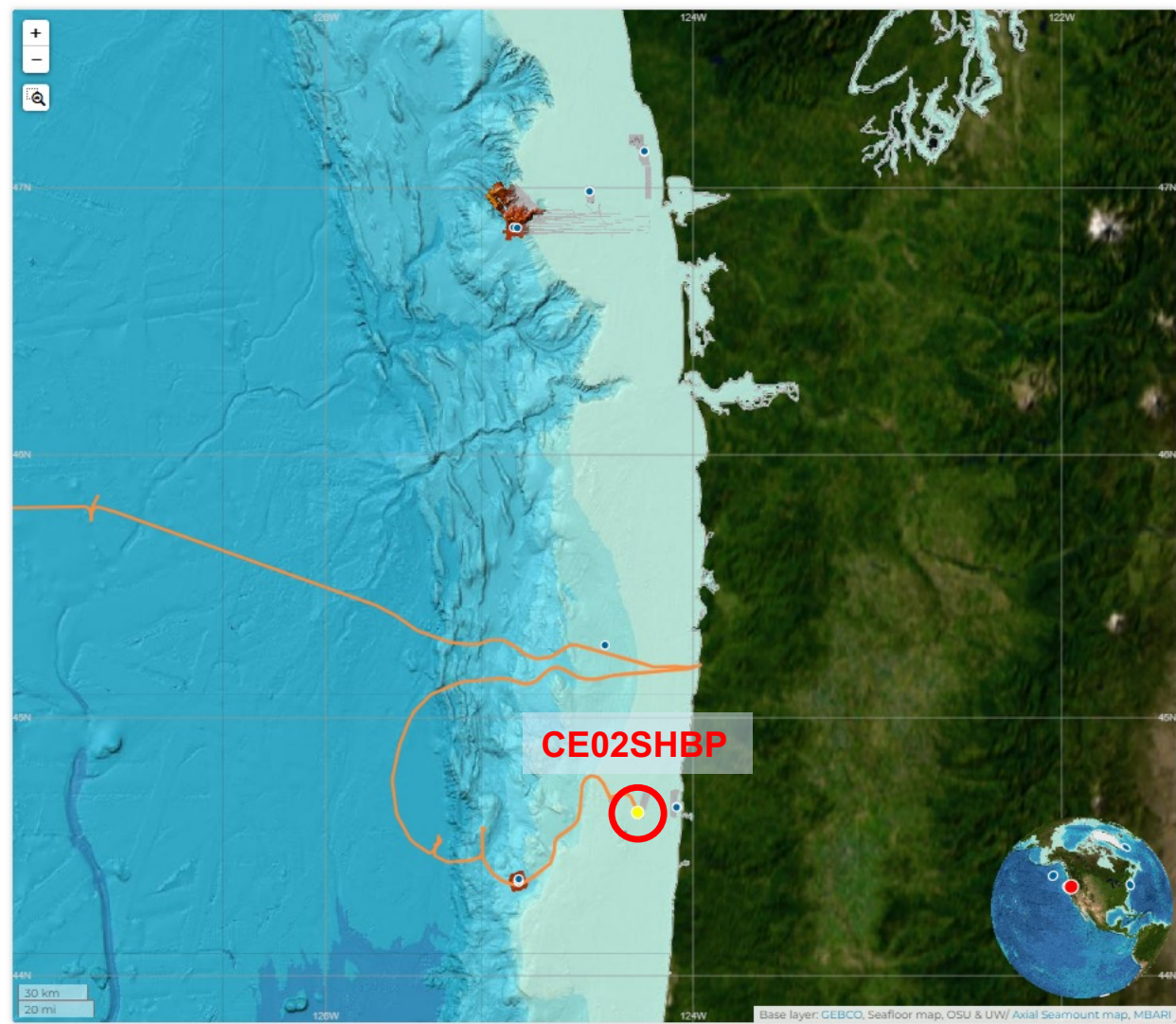
Start	End	Cell methods	Min Depth	Max Depth	Interval	Vertical Datum	Discriminant	Download
Apr 2, 2015 20:41 (UTC)	May 25, 2022 02:36 (UTC)	-	0	0	-	-	-	Download

The Oregon Shelf BEP (CE02SHBP)

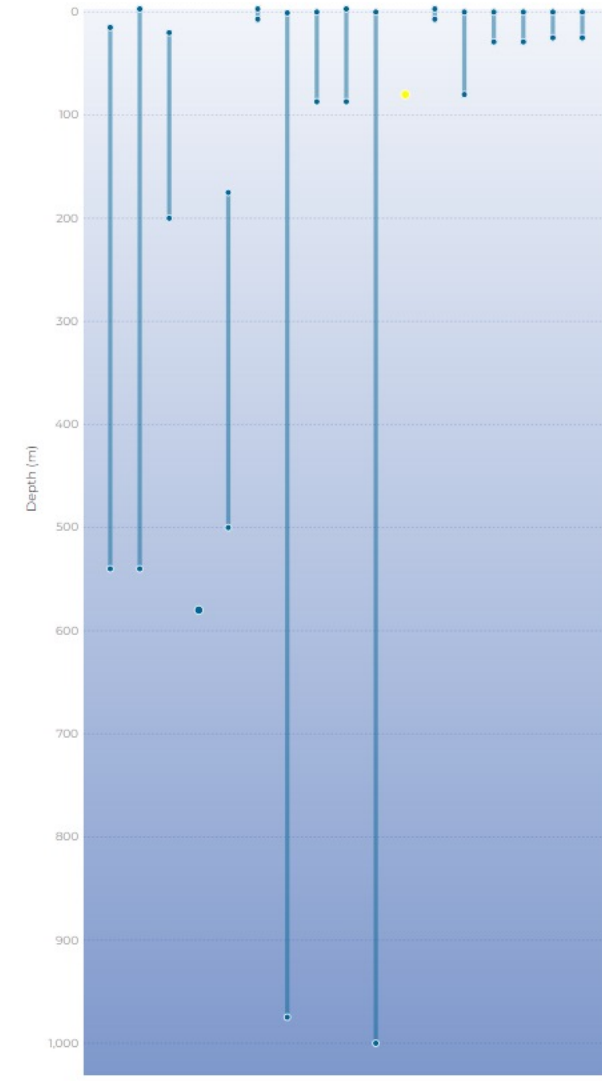
Coastal Endurance Oregon Shelf Cabled Benthic Experiment Package

Overview More information Nodes Instrument types Parameters Search

- Nodes
- Low-Power JBox (LJ01D)
 - Medusa (MJ01C)



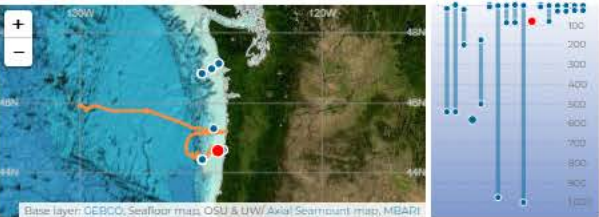
Location and depth ranges of platforms



The Oregon Shelf BEP (CE02SHBP)

Coastal Endurance Oregon Shelf Cabled Benthic Experiment Package

Overview More information Nodes Instrument types Parameters Search



Low-Power JBox (LJ01D)
Medium-Power JBox (MJ01C)

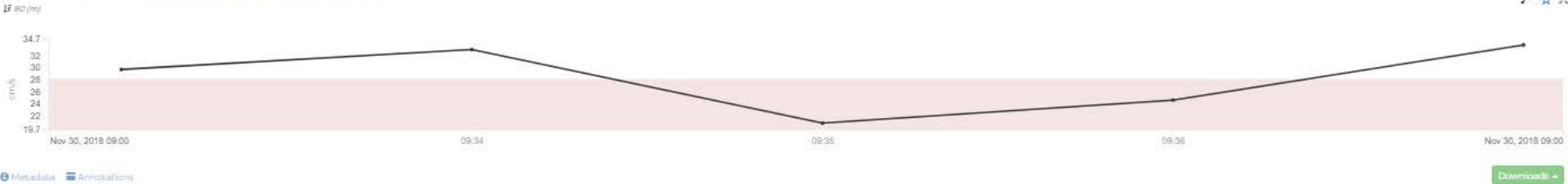
Low-Power JBox (LJ01D)

- All parameters
- CO2: Partial Pressure of Carbon Dioxide in Sea Water
- Conductivity
- Currents: Eastward Sea Water Velocity
- Currents: Northward Sea Water Velocity
- Currents: Upward Sea Water Velocity
- Optical Absorption Coefficient
- Optical Beam Attenuation Coefficient
- Oxygen: Dissolved Oxygen Molar Concentration
- Oxygen: Mole Concentration Of Dissolved Molecular Oxygen In Sea Water**
- pH
- Salinity
- Sea Water Density
- Sea Water Pressure
- Temperature: Water Temperature

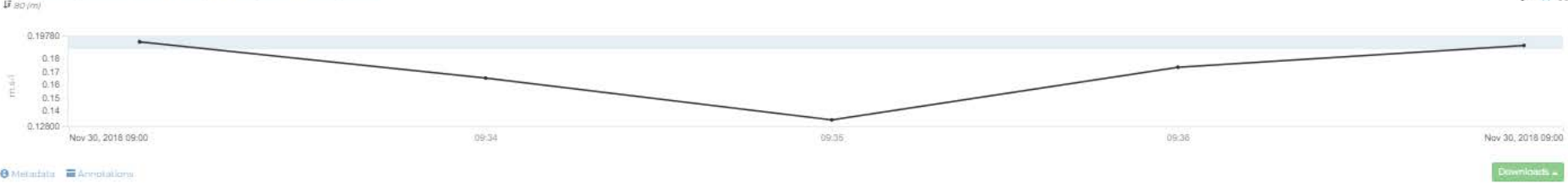
Oxygen: Mole Concentration Of
Dissolved Molecular Oxygen In
Sea Water



Currents: Northward Sea Water Velocity: 3-D Single Point Velocity Meter



Currents: Upward Sea Water Velocity: 3-D Single Point Velocity Meter



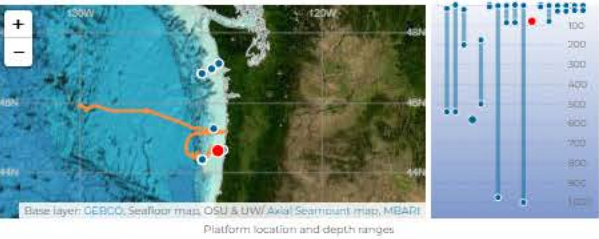
Conductivity: CTD



The Oregon Shelf BEP (CE02SHBP)

Coastal Endurance Oregon Shelf Cabled Benthic Experiment Package

Overview More information Nodes Instrument types Parameters Search



Low-Power JBox (LJ01D)
Medium-Power JBox (MJ01C)

Oxygen: Mole Concentration Of Dissolved Molecular Oxygen In Sea Water

Low-Power JBox (LJ01D)

Oxygen: Mole Co 14 All Instruments 2 Sort on 2 of 22

Data Inventory Downloads Annotations Deployments More information

Oxygen: Mole Concentration Of Dissolved Molecular Oxygen In Sea Water: CTD
17.80 (m)

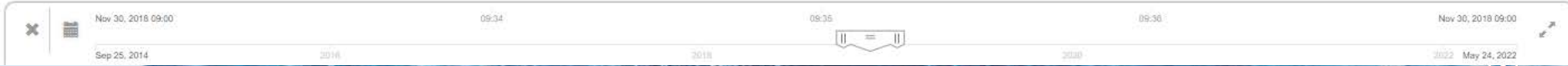


Metadata Annotations

Oxygen: Mole Concentration Of Dissolved Molecular Oxygen In Sea Water: Dissolved Oxygen



Metadata Annotations



The Oregon Shelf BEP (CE02SHBP)

Coastal Endurance Oregon Shelf Cabled Benthic Experiment Package Low-Power JBox (LJ01D): Dissolved Oxygen
Oxygen: Mole Concentration Of Dissolved Molecular Oxygen In Sea Water

Data More Information Annotations list All downloads Find nearby sample and glider profiles

Chart Time series Autoscale Time bin: all Auto

Real time11/30/2018 09:3211/30/2018 09:37

Past 24 hours9:32 AM9:37 AM

Past 3 daysNov2018Dec2018

Past week

Past 30 days

Past 180 days

Past 365 days

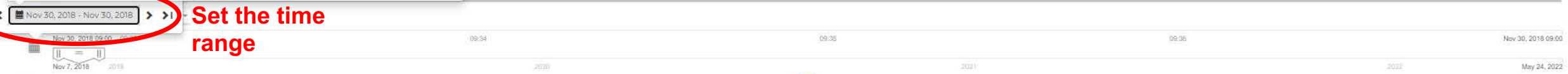
Full time series

Custom Range

ApplyCancel

Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
28	29	30	31	1	2	3	25	26	27	28	29	30	1
4	5	6	7	8	9	10	2	3	4	5	6	7	8
11	12	13	14	15	16	17	9	10	11	12	13	14	15
18	19	20	21	22	23	24	16	17	18	19	20	21	22
25	26	27	28	29	30	1	23	24	25	26	27	28	29
2	3	4	5	6	7	8	30	31	1	2	3	4	5

Set the time range



Observations

Min/max envelope Mean

QARTOD

Pass Not evaluated Suspect Fail Missing data

Seasonal statistics

Mean to 90th percentile Mean to 10th percentile Mean High Low

Downloads Station Source QC Information

Parameter information							
Mole Concentration Of Dissolved Molecular Oxygen In Sea Water							
Sensor URN: http://mmisw.org/ont/ct/parameter/moles_of_oxygen_per_unit_mass_in_sea_water							
Parameter URI: http://mmisw.org/ont/ct/parameter/moles_of_oxygen_per_unit_mass_in_sea_water							
Start	End	Cell methods	Min Depth	Max Depth	Interval	Vertical Datum	Download
Nov 7, 2018 23:01 (UTC)	May 25, 2022 03:11 (UTC)		0	0			Download

The Oregon Shelf BEP (CE02SHBP)

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Coastal Endurance Oregon Shelf Cabled Benthic Experiment Package Low-Power JBox (LJ01D): Dissolved Oxygen

Oxygen: Mole Concentration Of Dissolved Molecular Oxygen In Sea Water

Data More Information Annotations list All downloads Find nearby sample and glider profiles

Chart Time series Autoscale Time bin Hours Set the data bins



Annotations Deployments

Note

Status



Observations

Min/max envelope Mean

QARTOD

Pass Not evaluated Suspect Fail Missing data

Seasonal statistics

Mean to 90th percentile Mean to 10th percentile Mean High Low

Downloads Station Source QC Information

Parameter information

Mole Concentration Of Dissolved Molecular Oxygen In Sea Water

Sensor URN: http://mmisw.org/ont/ct/parameter/moles_of_oxygen_per_unit_mass_in_sea_water

Parameter URI: http://mmisw.org/ont/ct/parameter/moles_of_oxygen_per_unit_mass_in_sea_water

Start End Cell methods Min Depth Max Depth Interval Vertical Datum Discriminant Download

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Oxygen: Mole Concentration Of Dissolved Molecular Oxygen In Sea Water ▾

Chart: Time series Autoscale Time bin: Hours

Add data to a Data View

NEPac Workshop >

☐ Add to compare chart☐ ☆ Save to data view

Papa Flanking Moorings

Status

Aug 31, 2019

May 24, 2022

  Pass
   Not evaluated
   Suspect
   Fail
   Missing data

[Station](#) + [Source](#) + [QC Information](#)

Mole Concentration Of Dissolved Molecular Oxygen In Sea Water

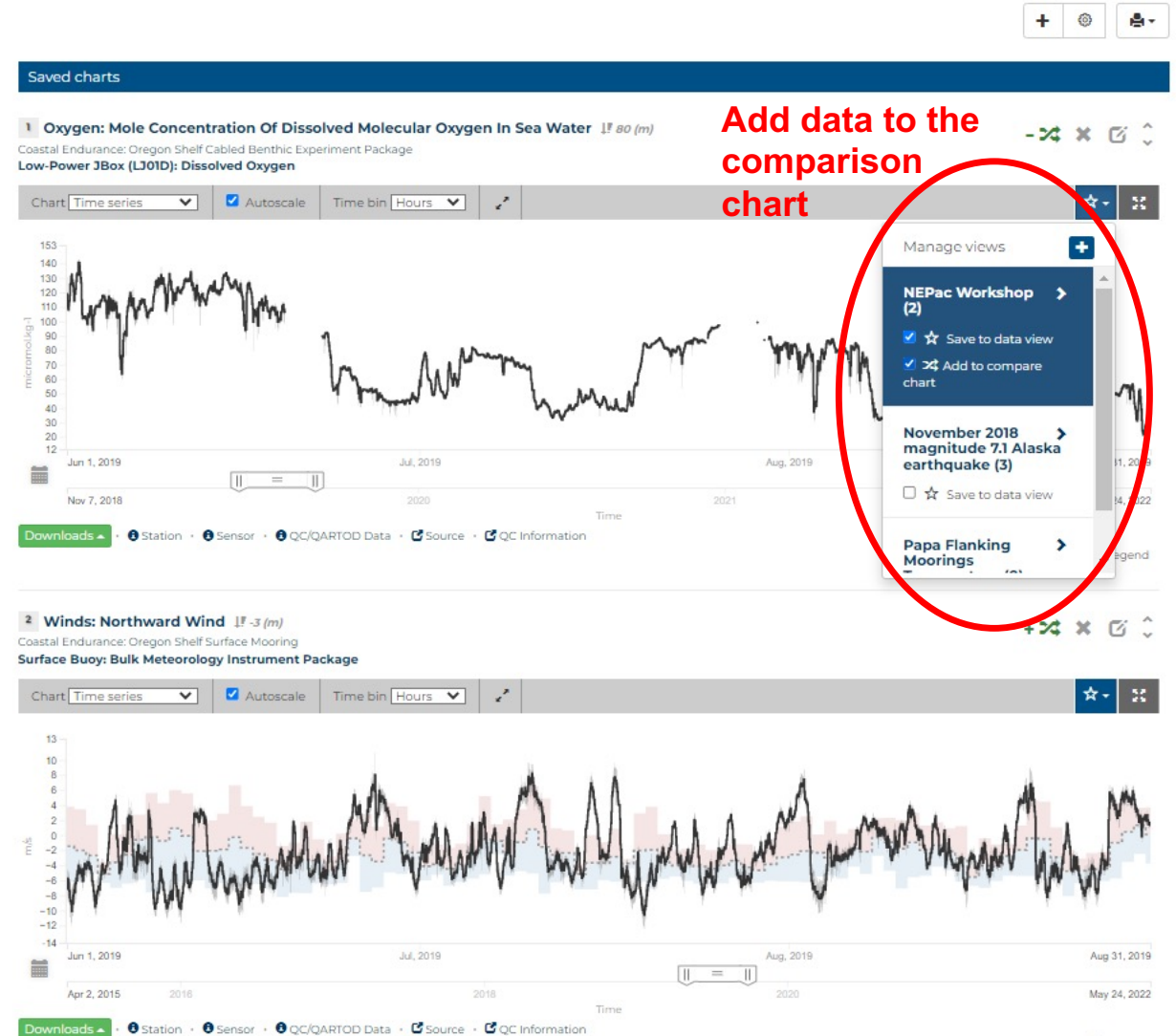
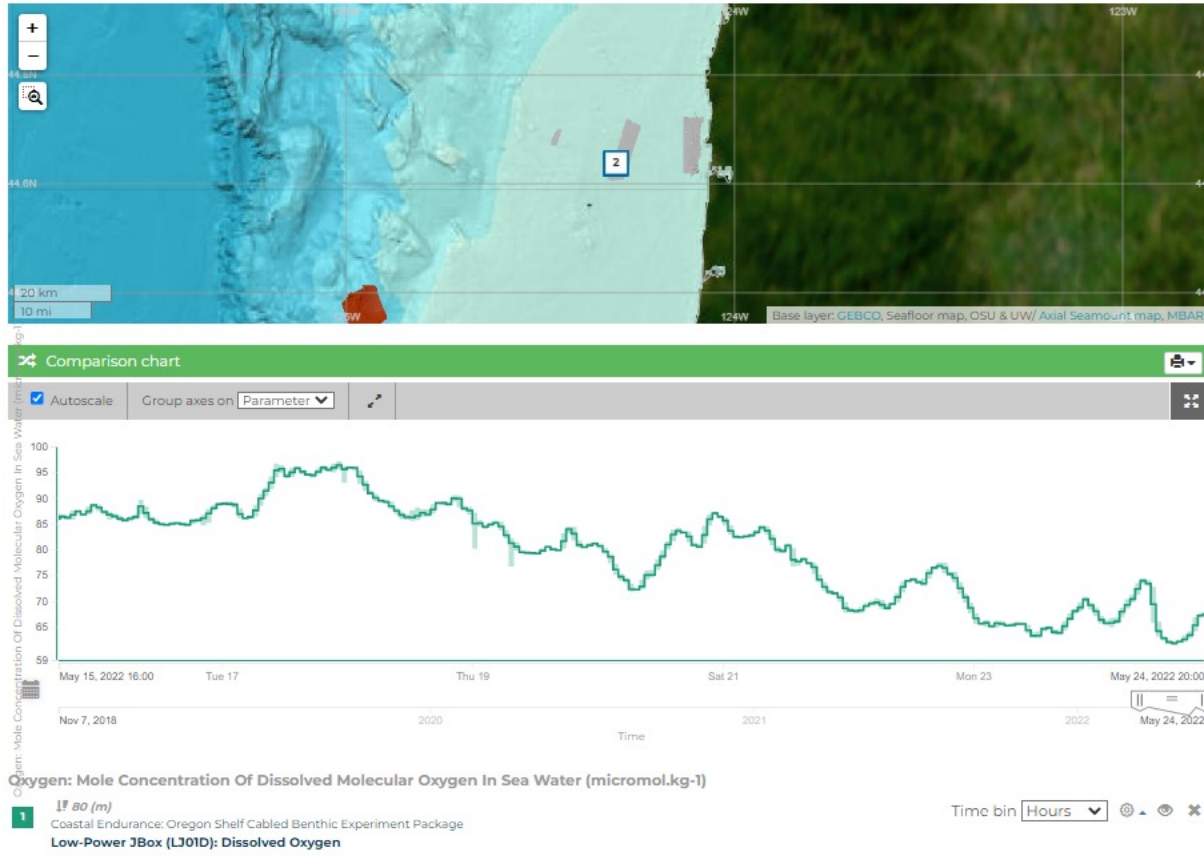
Sensor URN: http://mmisw.org/ont/cfi/parameter/moles_of_oxygen_per_unit_mass_in_sea_water

Parameter URI: http://mmisw.org/ont/cf/parameter/moles_of_oxygen_per_unit_mass_in_sea_water

Download

Data Explorer Data Views

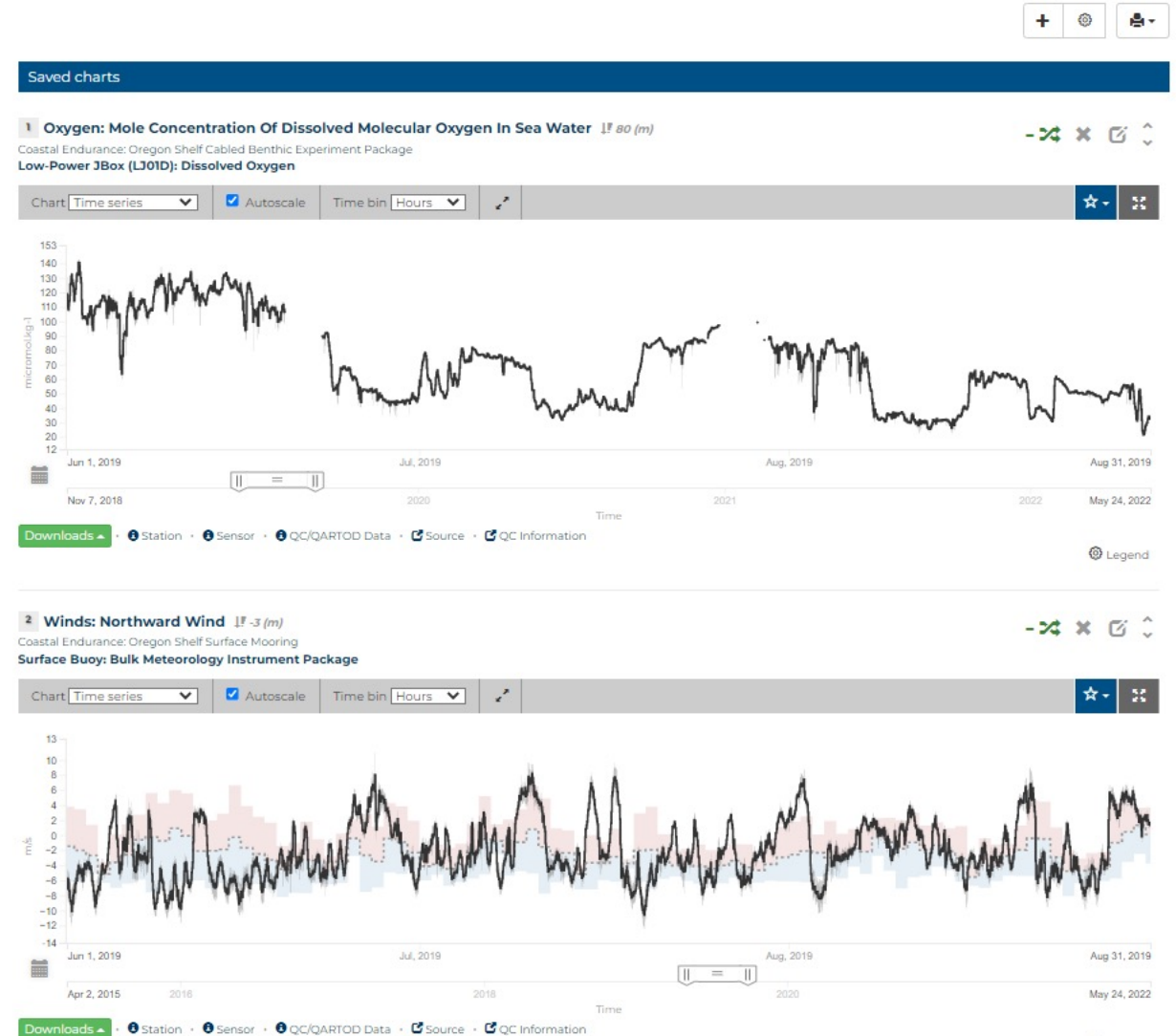
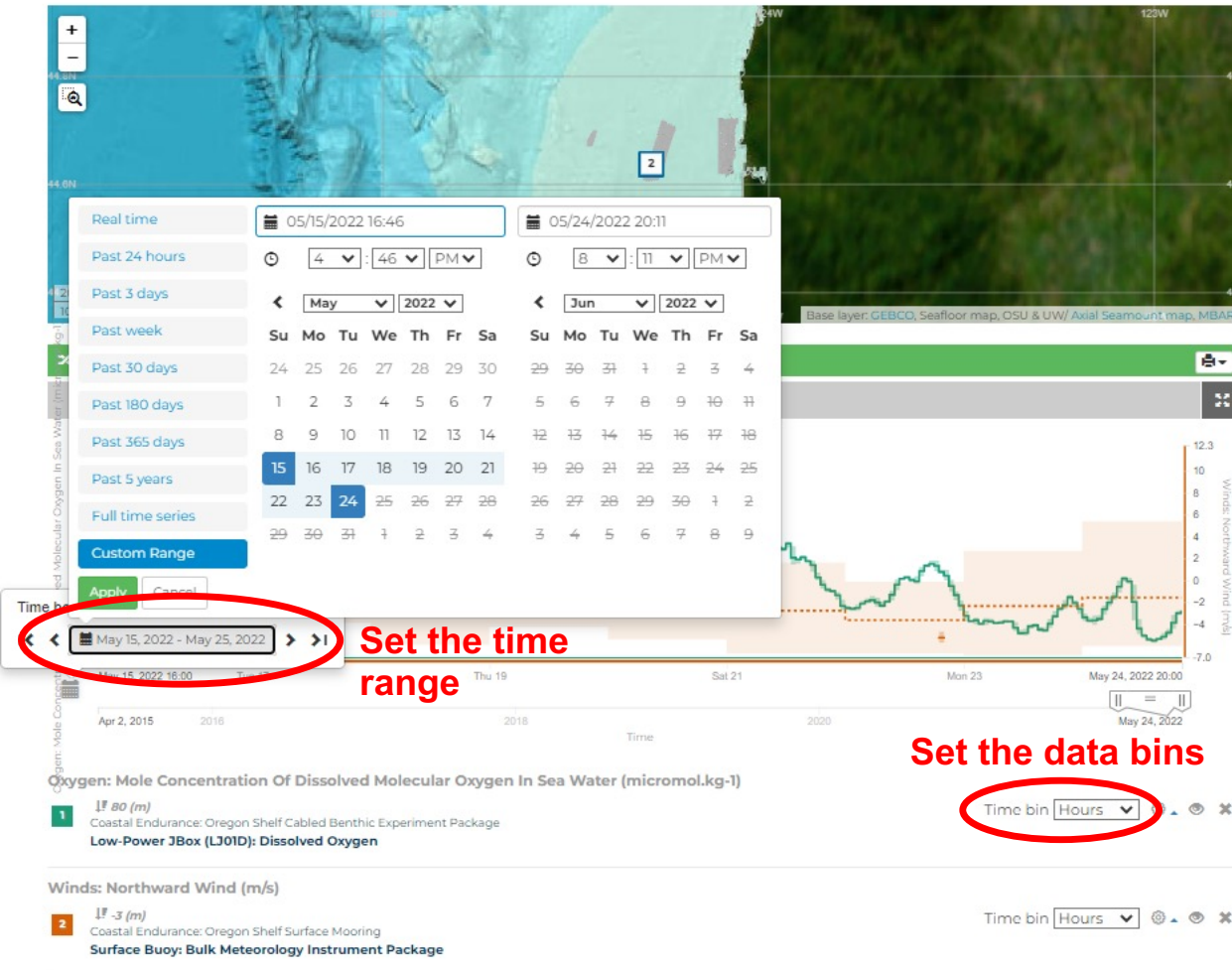
☆ NEPac Workshop



Data Explorer Data Views

S.ORG

☆ NEPac Workshop



5 min Questions, Feedback, & Discussion

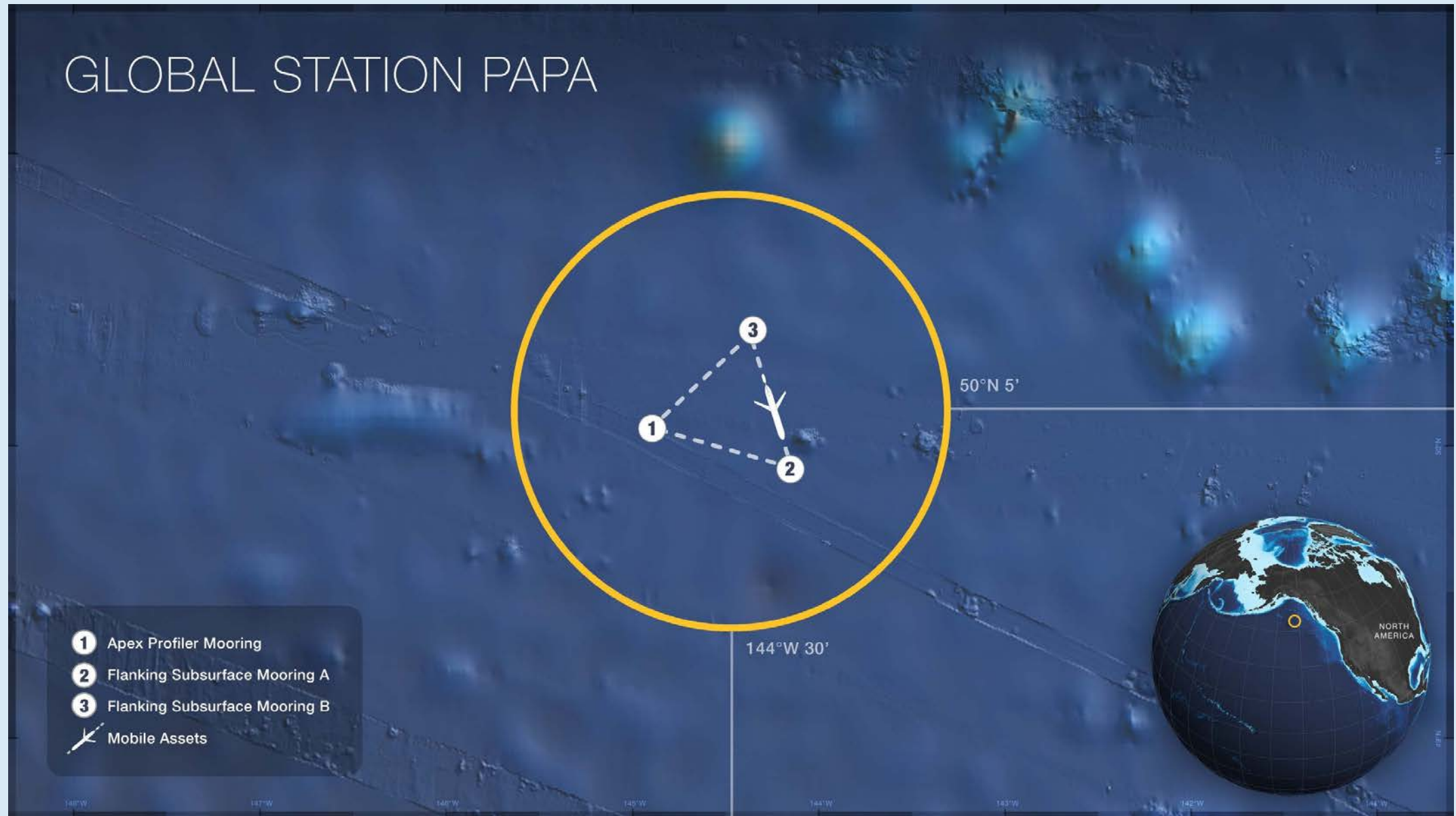
Breakout Session #1: Demonstrations: Accessing OOI Data

What data access questions/need would you like to see specifically answered?

[OOI Data Access Worksheet](#)



GLOBAL STATION PAPA



Goals for this next Data Explorer demo:

- Use Data View to compare time series of selected parameter(s) on multiple moorings
- Discover nearby glider data to extend spatial scale
- Discover nearby cruise data for results from water sampling

Global Station Papa Array



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Search for an instrument, parameter, location or reference designator

Enter a search term

Or select a global array and one or more filters. Press the 'Go' button to see results.

Oregon Margin: Regional Cabled Array and Axial Seamount

Oregon and Washington Coast: Coastal Endurance

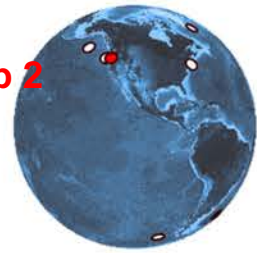
Gulf of Alaska: Global Station Papa

East Coast: Coastal Pioneer

North Atlantic: Global Irminger Sea

South Atlantic: Global Argentine Basin

South Pacific: Global Southern Ocean



Select area(s) of interest

All platform types

All instrument types

20

All parameters

75

Go

Visit OOI.NET Data Portal



How to use the Data Explorer:

Click here to view available Help Resources

Click here to send us your feedback

Click here for portal release notes

Data Disclaimer:

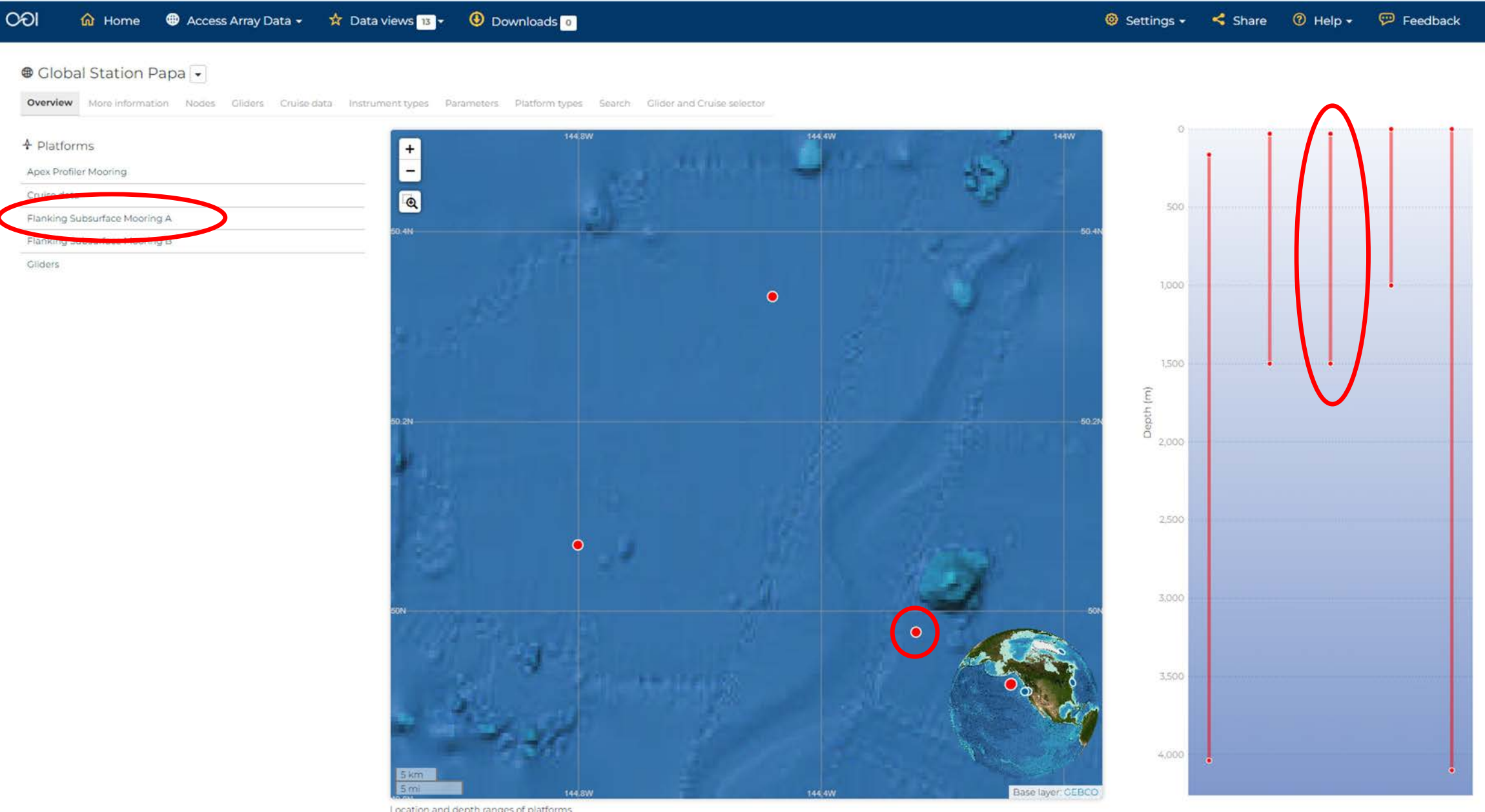
All products published on this website are prototype products and are not intended to be used for navigational or operational purposes. This website provides an aggregation and display service for distributed data and modeling products that come from a wide array of contributors. We are grateful to those contributors and make every attempt to give them credit for their products. We welcome suggestions for clarification or correction, as appropriate.



Using the Comparison chart feature in Data View

- <https://dataexplorer.oceanobservatories.org/>
- Click on Access Array Data > Gulf of Alaska: Global Station Papa > Go
- Select Flanking Subsurface Mooring A > Parameters > Temperature: Water Temperature
- Click on star icon for CTD at 30 m > click on + icon to add new Data view label > Click on + icon > Check box Save to data view > Check box Add to compare
- Click on star icon for CTD at 180/1000/1500 m > Scroll down to your Data view label > Check box Save to data view > Check box Add to compare
- Open your Data view in new tab [[link when completed above](#)]

Flanking Subsurface Mooring A (GP03FLMA)

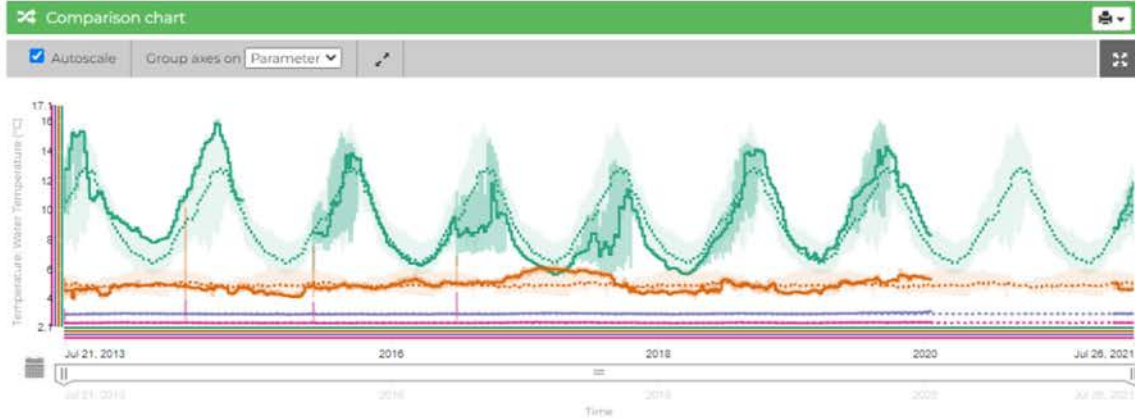
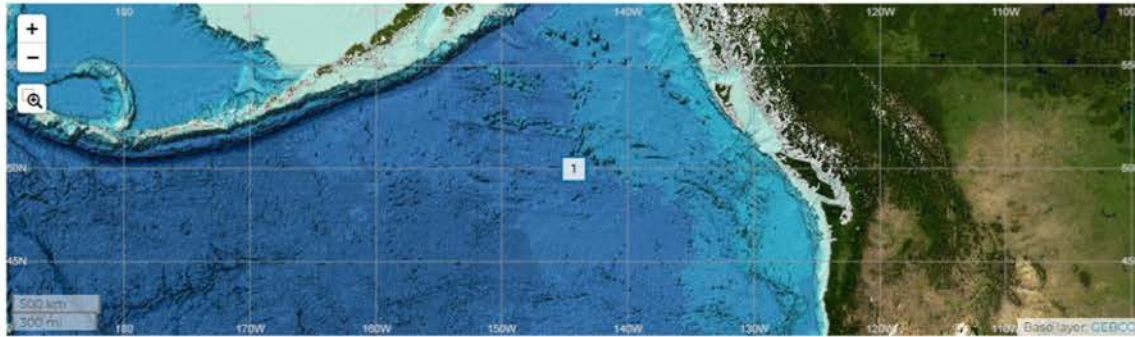


OCEANOBSERVATORIES.ORG



Flanking A: Water Temperature, multiple depths

☆ Papa CTD Flanking Mooring



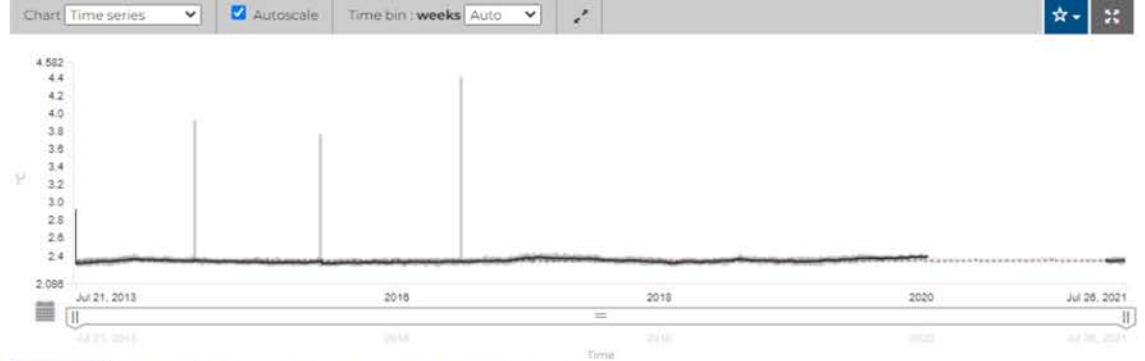
Temperature: Water Temperature (°C)



Saved charts

1 Temperature: Water Temperature 1 1,500 (m)

Global Station Papa: Flanking Subsurface Mooring A
Mooring Riser: CTD (1500 meters)

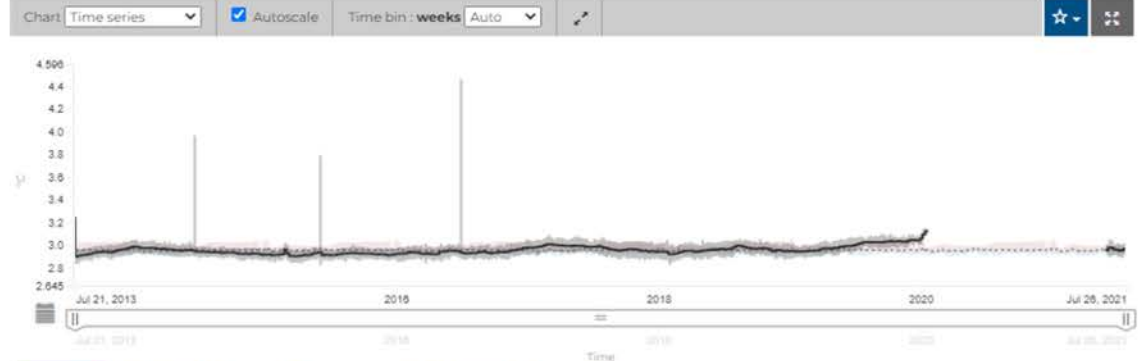


Downloads Station Sensor QC/QARTOD Data Source QC Information

Legend

1 Temperature: Water Temperature 1 1,000 (m)

Global Station Papa: Flanking Subsurface Mooring A
Mooring Riser: CTD (1000 meters)



Downloads Station Sensor QC/QARTOD Data Source QC Information

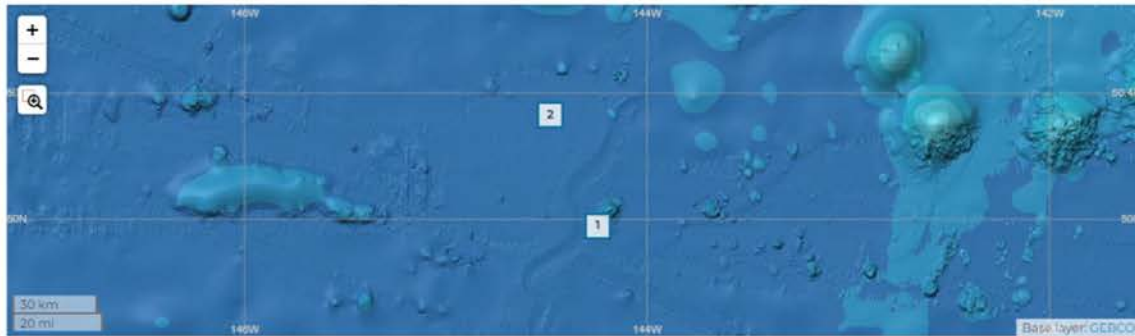
Legend

Compare time series of selected parameter(s) on multiple moorings

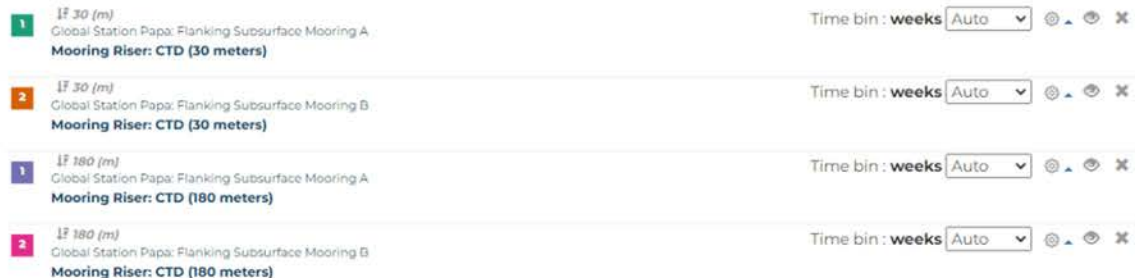
- Continuing from previous slide, we can add temperature at same depths from Flanking Mooring B [[link to completed example](#)]
- Additional examples:
 - [Temperature and Salinity at 30 and 180 m](#)
 - [Biogeochemical parameters at 30 m](#)

Flanking A and B: Water Temperature, multiple depths

☆ Papa Flanking Moorings Temperature



Temperature: Water Temperature (°C)

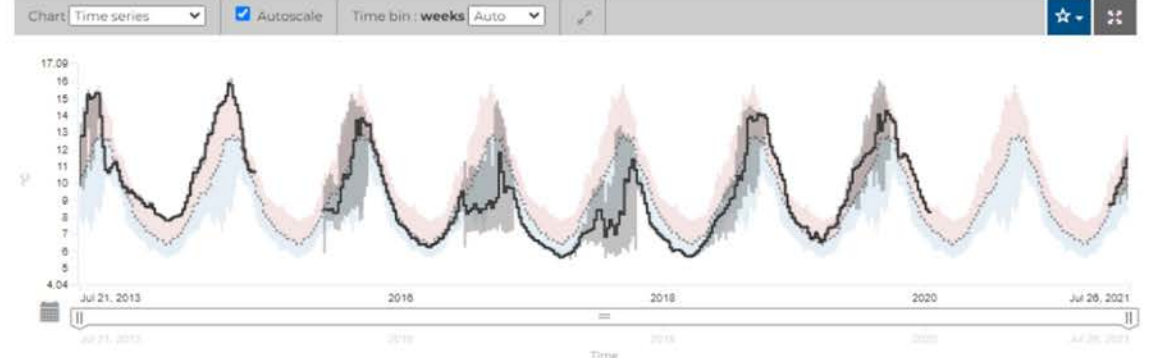


Saved charts

1 Temperature: Water Temperature 17 30 (m)

Global Station Papa: Flanking Subsurface Mooring A

Mooring Riser: CTD (30 meters)



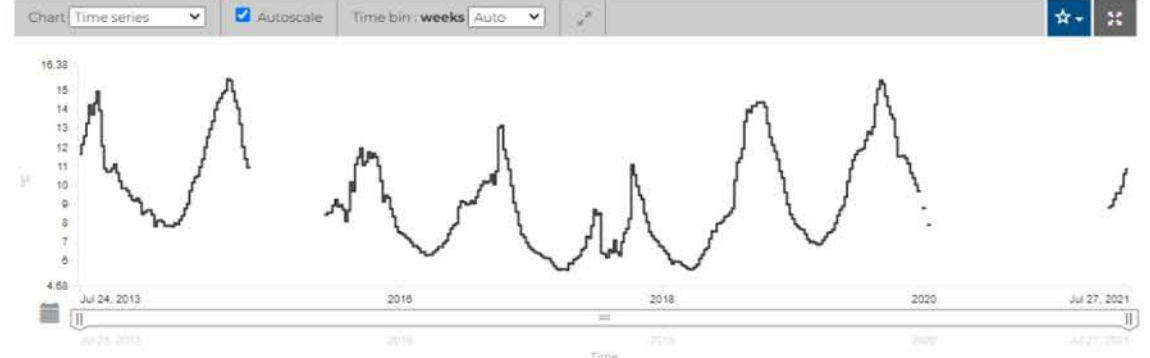
Downloads Station Sensor QC/QARTOD Data Source QC Information

Legend

2 Temperature: Water Temperature 17 30 (m)

Global Station Papa: Flanking Subsurface Mooring B

Mooring Riser: CTD (30 meters)



Downloads Station Sensor QC/QARTOD Data Source QC Information

Legend

Discover nearby glider data to extend spatial scale

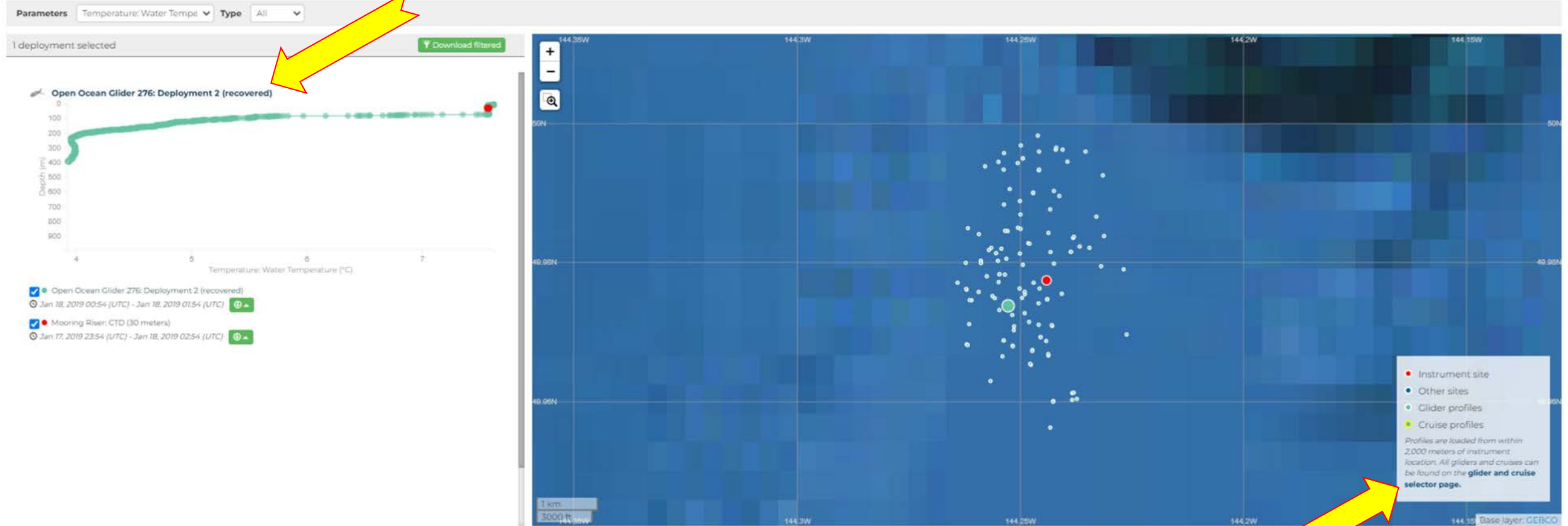
- From completed example on previous slide, click open any Saved chart
 - > Click on Find nearby sample and glider profiles [[example](#)]
 - Click (open new tab) a deployment to visualize parameters [[example](#) (upper left in the example linked above)]
 - For all glider data presently available in Data Explorer, click on [glider and cruise selector page](#) (lower right in the example linked above)
- See notes for this slide for recommended steps to access glider data

Global Station Papa ▾ Flanking Subsurface Mooring A ▾ Mooring Riser: CTD (30 meters) ▾

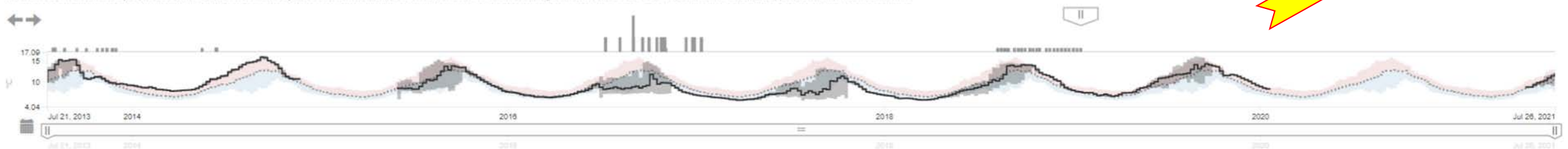
Temperature: Water Temperature ▾

Data More information Annotations list All downloads Find nearby sample and glider profiles

The map and histogram show spatial and temporal density of profiling cruises and gliders within 2,000 meters of the instrument. Hover over profile locations for preview plot. Use filters and bounded time slider to filter map and deployment list. Click on a profile location, move the time slider or use the next/previous buttons to update profile comparisons on the left side.



The charts below shows density of profiles over time and data collected by the selected instrument. Use the time selector or arrows to change selected profiles. Use the time bounds filter below data plot to zoom in on areas of interest.



Done



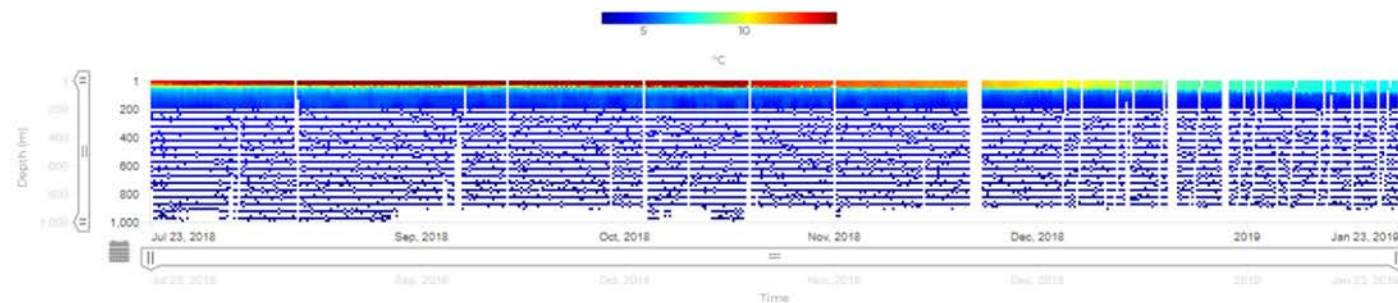
gp_276-20180723T0633-delayed

Date range	Jul 23, 2018 06:41 (UTC) - Jan 23, 2019 15:36 (UTC)
Metadata	https://data.iioos.us/gliders/erddap/info/gp_276-20180723T0633-delayed/index.html
Animal ID	None
Depth range	1,249.189019203186 (m) - 999.6845703125 (m)
Points	3,882,305
Institution	OOI Coastal & Global Scale Nodes (CCSN)
Authority	org.oceanobservatories

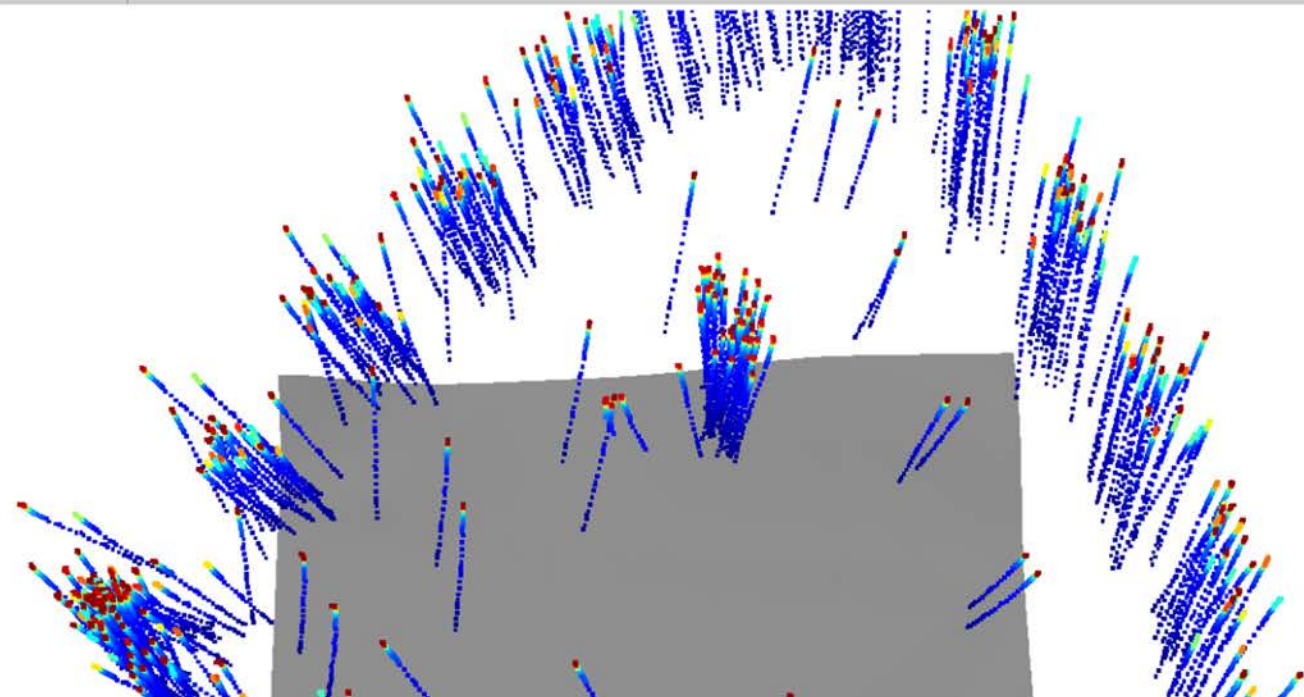
Color palette Rainbow

Visualize Sea Water Temperature

Interpolation Raw



☐ Auto-rotate



The map and histogram show spatial and temporal density of profiling cruises and gliders. Use filters, polygon tool and time slider to filter map and deployment list.

Parameters Temperature; Water Temperature Type All

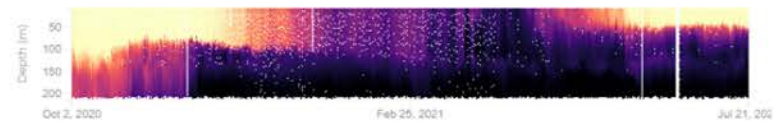
5 deployments selected

Download filtered

Profiling Glider 566; Deployment 2 (telemetered)

Temperature: Water Temperature

0 to 200 (m)



Downloads

Open Ocean Glider 365; Deployment 2 (telemetered)

Temperature: Water Temperature

0 to 1000 (m)



Downloads

Open Ocean Glider 363; Deployment 2 (telemetered)

Temperature: Water Temperature

0 to 1000 (m)



Downloads

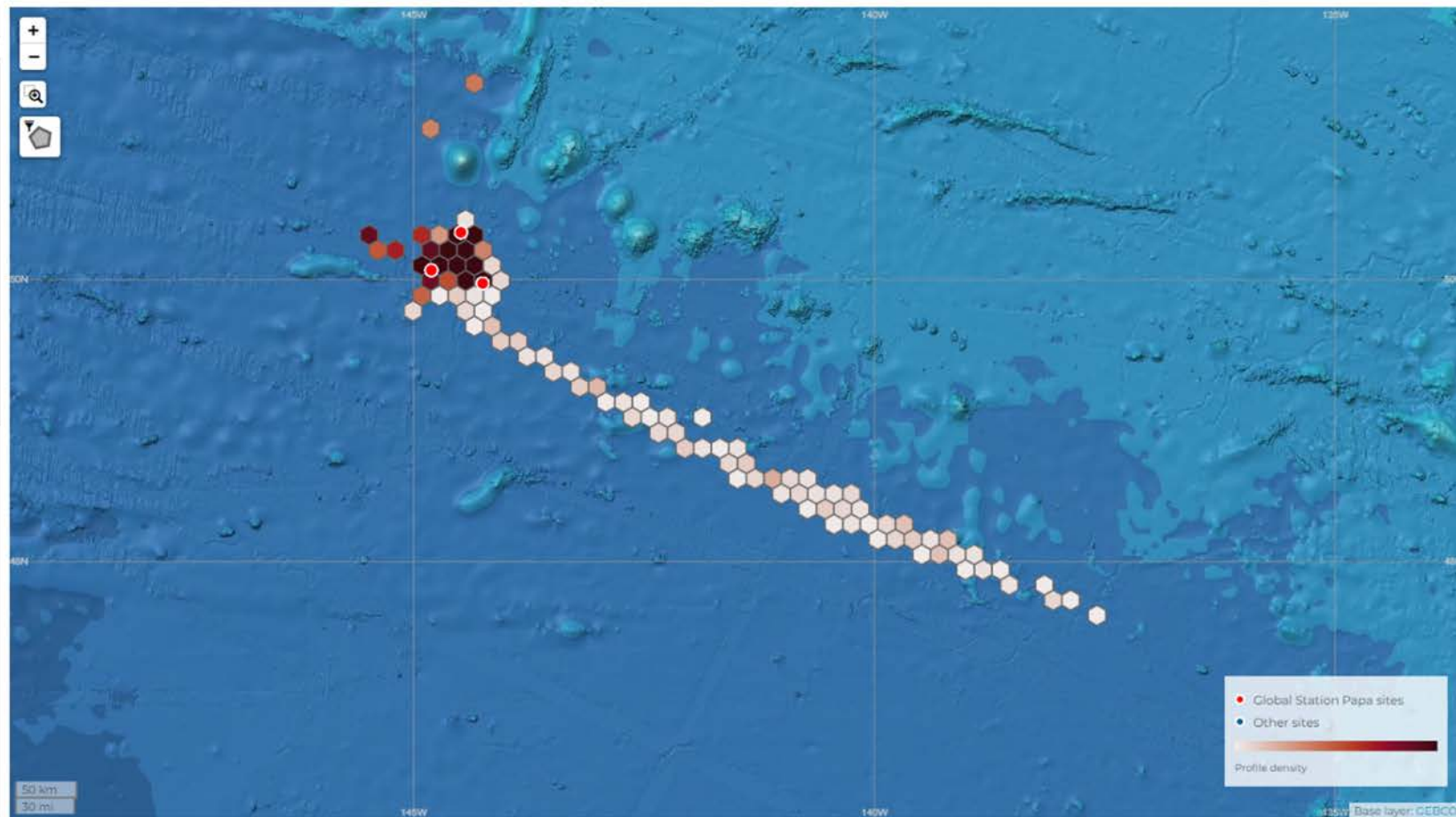


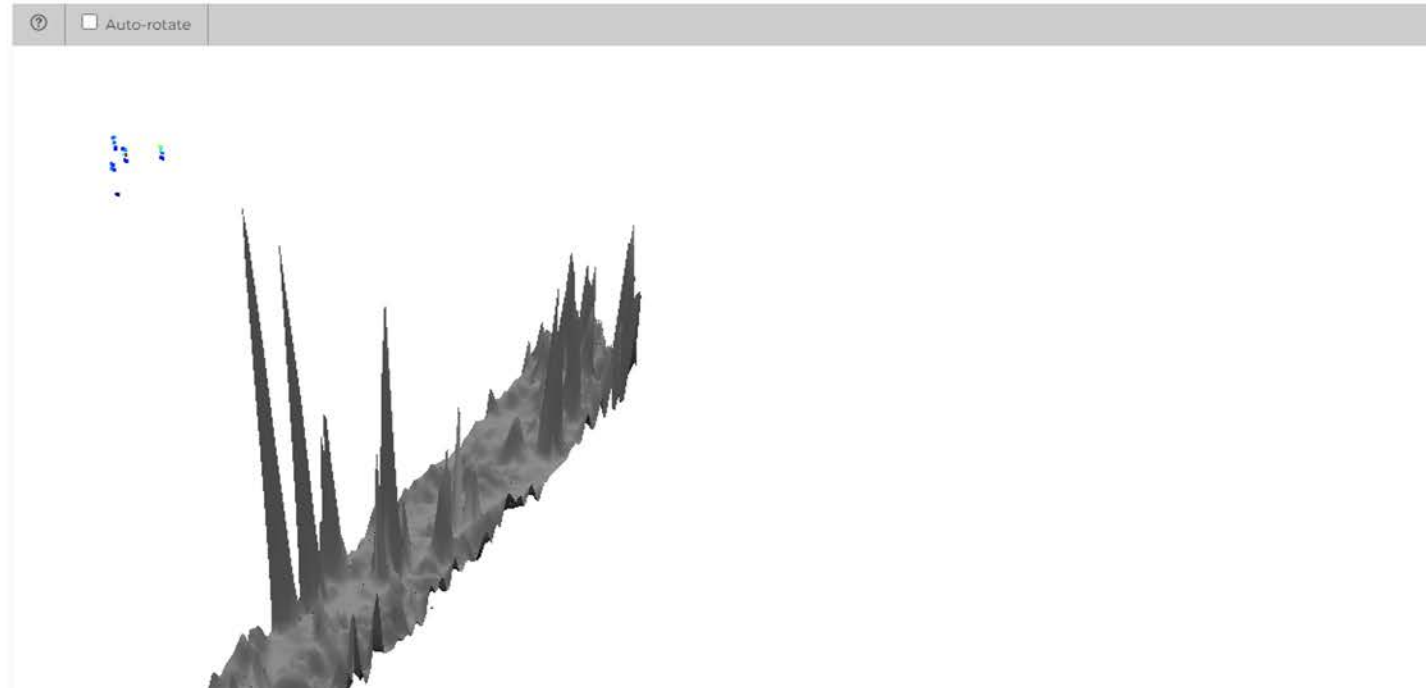
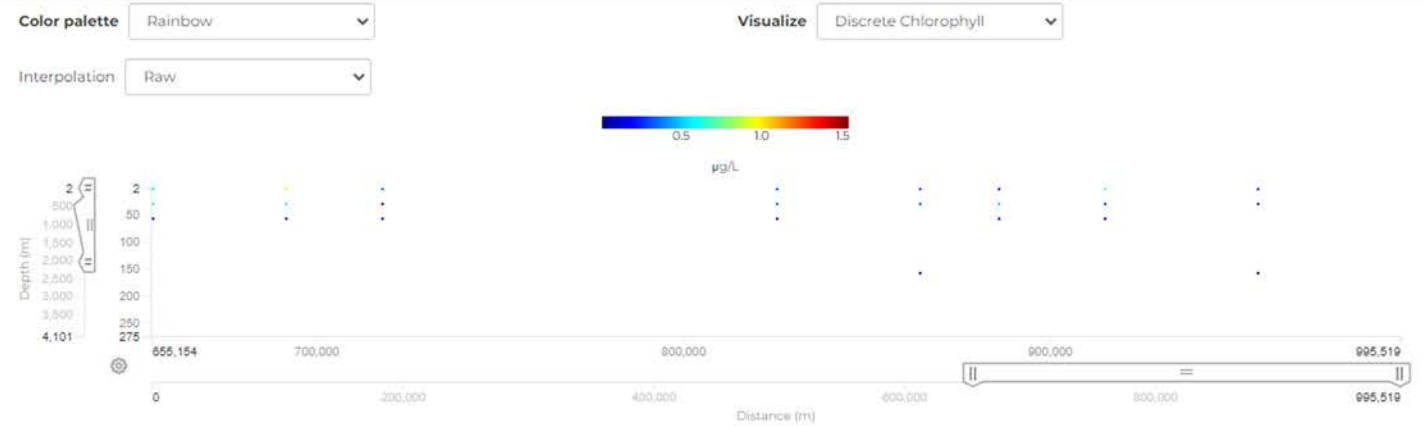
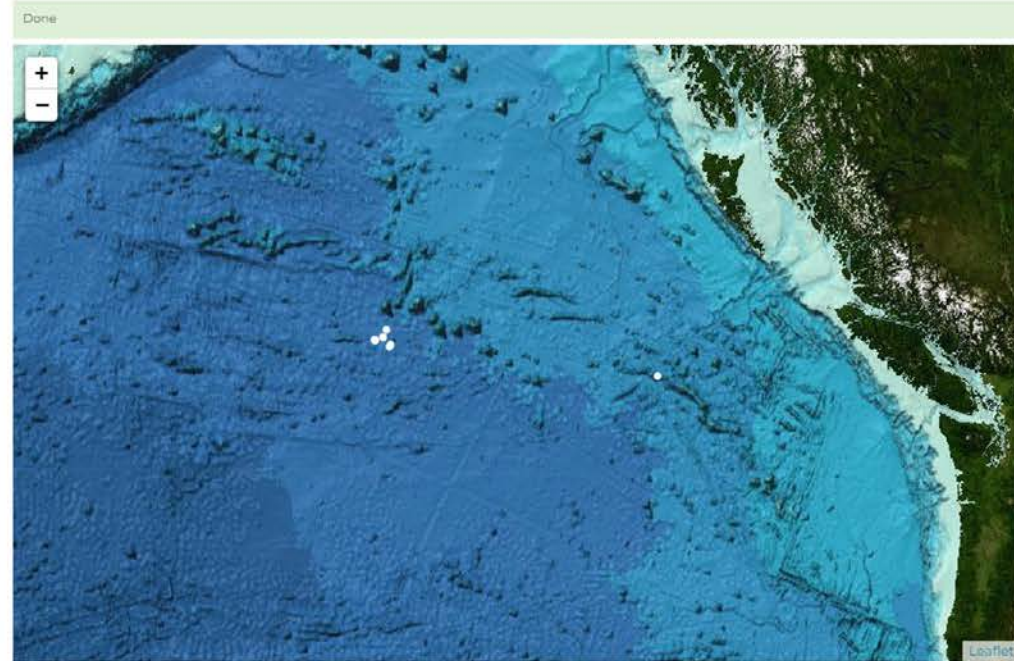
Chart below shows density of profiles over time. Filter map and deployments available using time slider or by dragging your mouse across the chart.



Discover nearby cruise data for results from water sampling

- From the Glider and Cruise selector page (previous slide), click on Cruise data
- Example relevant to biogeochemical parameters at 30 m:
 - Select cruise (e.g., RB1605) > Select Chlorophyll
- Not all cruises or parameters available yet through Data Explorer, see Alfresco for all available cruises and parameters

OOI Discrete Sample data for cruise RB1605 at Station Papa



OOI Discrete Sample data for cruise RB1605 at Station Papa

Date range	Jun 25, 2016 19:57 (UTC) - Jul 4, 2016 23:33 (UTC)
Animal ID	None
Depth range	1,797 (m) - 4,100.74 (m)
Points	131
Authority	Ocean Observatories Initiative

5 min Questions, Feedback, & Discussion



Breakout Session #1: Demonstrations: Accessing OOI Data

What data access questions/need would you like to see specifically answered?

[OOI Data Access Worksheet](#)

COASTAL ENDURANCE ARRAY

Oregon Line

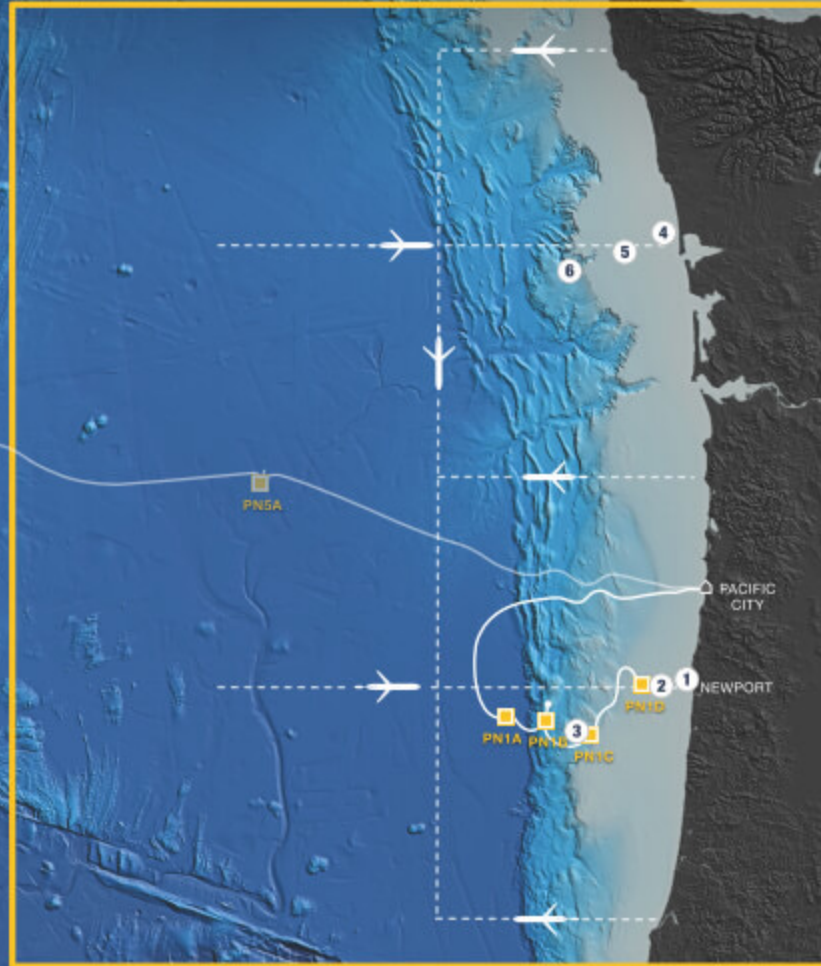
- 1 Oregon Inshore Surface Mooring
Oregon Inshore Surface Piercing Profiler Mooring
- 2 Oregon Shelf Cabled Benthic Experiment Package
Oregon Shelf Surface Mooring
Oregon Shelf Surface Piercing Profiler Mooring
- 3 Oregon Offshore Cabled Benthic Experiment Package
Oregon Offshore Cabled Deep Profiler Mooring
Oregon Offshore Cabled Shallow Profiler Mooring
Oregon Offshore Surface Mooring

Washington Line

- 4 Washington Inshore Surface Mooring
Washington Inshore Surface Piercing Profiler Mooring
- 5 Washington Shelf Surface Mooring
Washington Shelf Surface Piercing Profiler Mooring
- 6 Washington Offshore Profiler Mooring
Washington Offshore Surface Mooring

Mobile Assets

Primary Node Cable Shore Station



Data Provenance and QARTOD Flags

Coastal Endurance Washington Shelf Surface Mooring Seafloor Multi-Function Node (MFN): Seawater pH

pH

Data More Information Annotations list All downloads Find nearby sample and glider profiles

Chart Time series Autoscale Time bin All



QARTOD flags

Data provenance

Annotations Deployments
Note
QC Result
Status

Mar 23, 2022 Mar 27 Apr 03 Apr 10 Apr 17 Apr 24 May 2022 May 08 May 15 May 19, 2022

Observations
Min/max envelope Mean
QARTOD
Pass Not evaluated Suspect Fail Missing data

QARTOD flags

Downloads Station Source QC Information

Parameter Information
pH
Sensor URN: http://mmisw.org/ont/ct/parameter/sea_water_ph_reported_on_total_scale
Parameter URI: http://mmisw.org/ont/ct/parameter/sea_water_ph_reported_on_total_scale

Data Annotations

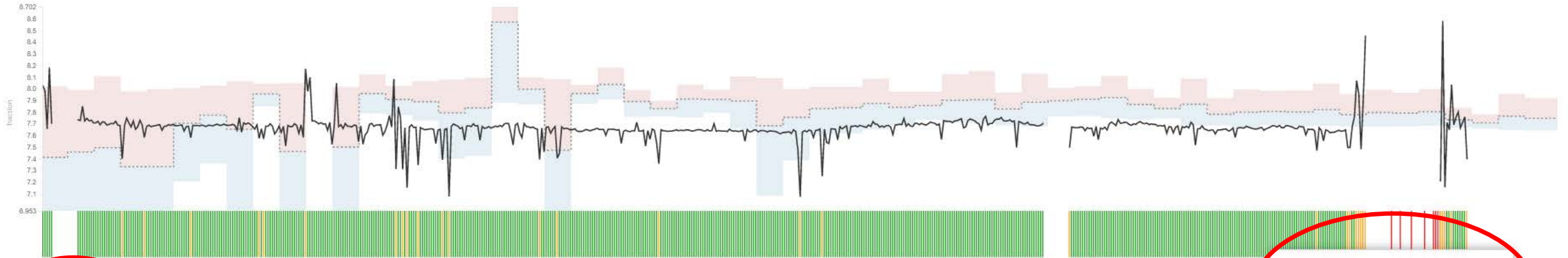
S.ORG

Coastal Endurance Washington Shelf Surface Mooring Seafloor Multi-Function Node (MFN): Seawater pH

pH

Data More Information Annotations list All downloads Find nearby sample and glider profiles

Chart Time series Autoscale Time bin All



Annotations Deployments

Note

QC Result

Status

QC Result
May 11, 2022 20:45 (UTC) - ongoing
[QC fail] The raw signal data indicates the sensor has fouled. The calculated seawater pH should be considered suspect/failed. ...
[Click for more details](#)

Data annotations

Mar 23, 2022 Mar 27 Apr 03 Apr 10 Apr 17 Apr 24 May 2022 May 08 May 15 May 19, 2022

Observations

Min/max envelope Mean

QARTOD

Pass Not evaluated Suspect Fail Missing data

Downloads Station Source QC Information

Parameter Information

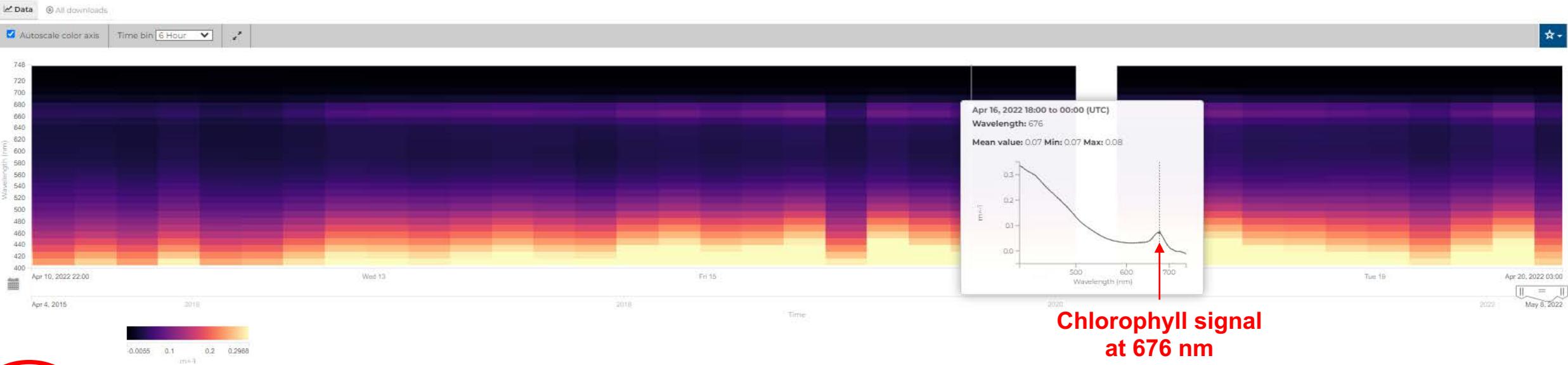
pH

Sensor URN: http://mmisw.org/ont/ct/parameter/sea_water_ph_reported_on_total_scale

Parameter URI: http://mmisw.org/ont/ct/parameter/sea_water_ph_reported_on_total_scale

Spectrophotometer (Optical Attenuation & Absorption)

Coastal Endurance Washington Shelf Surface Mooring Near Surface Instrument Frame: Spectrophotometer
Optical Absorption Coefficient

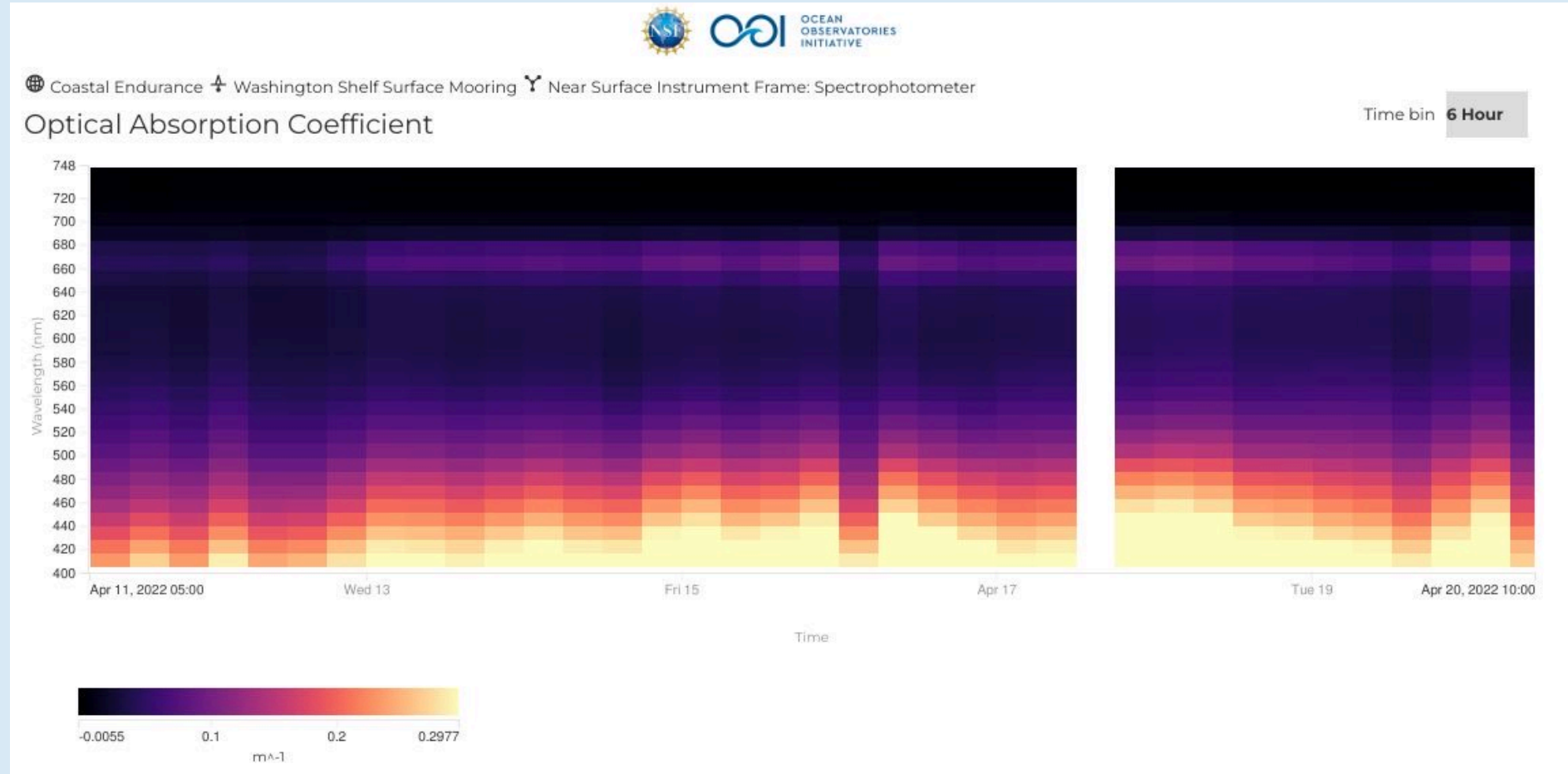


Chlorophyll signal
at 676 nm

Downloads Station Source

Download figure

Spectrophotometer (Optical Attenuation & Absorption)

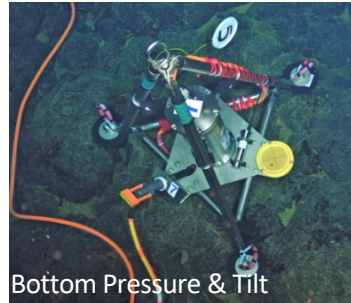
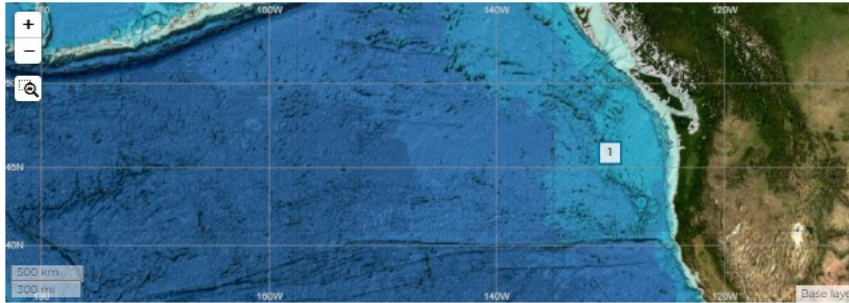


WET Labs AC-S

Earthquake Data View



☆ November 2018 magnitude 7.1 Alaska earthquake



Bottom Pressure & Tilt



High-Resolution X-Tilt

1 Regional Cabled Array; International District Vent Field 2
Regional Cabled Array; International District Vent Field 2: Medium-Power JBox (MJ03D): Bottom Pressure and Tilt

Time bin All

High-Resolution Y-Tilt

1 Regional Cabled Array; International District Vent Field 2
Regional Cabled Array; International District Vent Field 2: Medium-Power JBox (MJ03D): Bottom Pressure and Tilt

Time bin All

Sea Water Pressure: Bottom Pressure

1 Regional Cabled Array; International District Vent Field 2
Regional Cabled Array; International District Vent Field 2: Medium-Power JBox (MJ03D): Bottom Pressure and Tilt

Time bin All

Saved charts

1 Sea Water Pressure: Bottom Pressure

Regional Cabled Array; International District Vent Field 2

Regional Cabled Array; International District Vent Field 2: Medium-Power JBox (MJ03D): Bottom Pressure and Tilt

☒ Autoscale

Time bin All

Real time Historical



Downloads Station Sensor QC/QARTOD Data Source QC Information

1 High-Resolution Y-Tilt

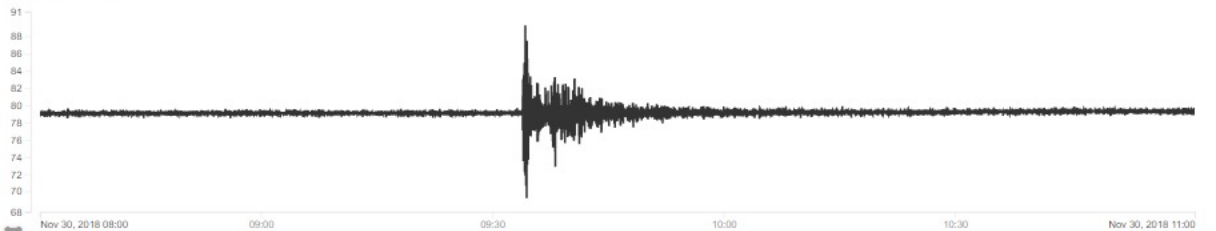
Regional Cabled Array; International District Vent Field 2

Regional Cabled Array; International District Vent Field 2: Medium-Power JBox (MJ03D): Bottom Pressure and Tilt

☒ Autoscale

Time bin All

Real time Historical



Downloads Station Sensor QC/QARTOD Data Source QC Information

Legend



OCEAN
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INITIATIVE

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OOI Data Access Worksheet

helpdesk@oceanobservatories.org

https://oceanobservatories.org/

https://dataexplorer.oceanobservatories.org/

https://discourse.oceanobservatories.org/

