SeaTube V3 Help

Register for an Oceans 2.0 account & get more features: You can view SeaTube without logging in, but you need an account to access and use SeaTube V3.
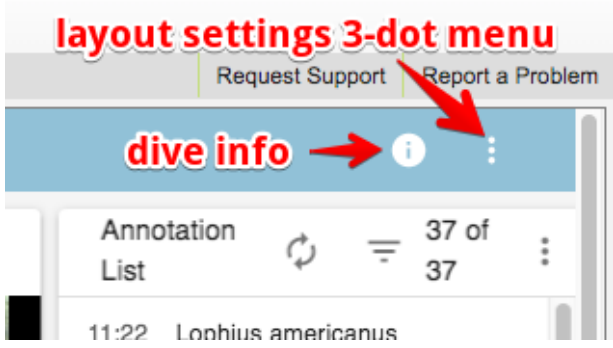
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What is Seatube V3?

SeaTube V3 is our 3rd generation viewer and annotation tool for underwater dive videos. There are currently 3 versions of SeaTube, SeaTube Pro, SeaTube V2 and SeaTube V3. The latest version includes these features:

- Changeable base maps
- Configurable layout
- Configurable ROV sensor display
- Quick annotation entry
- Powerful filtering and search tools
- Annotation taxonomy support + CMECS annotations one should I choose?

If you simply want to view underwater videos, use **SeaTube Pro** or **SeaTube V2**. If you are helping annotate dives from the NOAA ship Okeanos Explorer, you should use **SeaTube V3**, which is accessed from the **Expedition Management** page. In the future, ONC will merge all three versions to create a single multi-purpose SeaTube.

How to use SeaTube V3

1. Choose a Layout	Customize your Layout
Step 1: Configure the Layout Use the Layout Settings 3-dot menu to choose a predefined layout (**Watch demo video**)	***Optional: Customize your Layout*** In addition to the predefined layout, you can drag, resize and remove individual panels. You can also revert to predefined layouts with a single click. (**Watch demo video**)

2. Get to Know the Widgets

Step 1: Get to Know the Widgets

A number of different widgets and panels are available within SeaTube:

- **Video***: Video display and control window.
- **Map***: shows the location where the video was recorded. For ROV dives, vehicle's track and annotation locations are also shown.
- **Dive Details***: ROV dive location, expedition, dates & times, goals.
- **Annotation List***: List of annotations already created for the current video.
- **Annotation Entry**: Tools for creating new video annotations.
- **Sensor Readings**: Environmental measurements recorded by sensors on the ROV or nearby the camera during the video.

Video Widget

The video widget lets you:

- play and pause
- control audio volume and mute
- watch video at half speed, normal speed, 1.5x speed and 2x speed
- skip forward and backward 30 seconds in the video
- see the video date and time
- save video clips in your personal library
- take snapshots
- choose video quality
- share a link to the video via Facebook, Twitter or URL
- expand to full screen
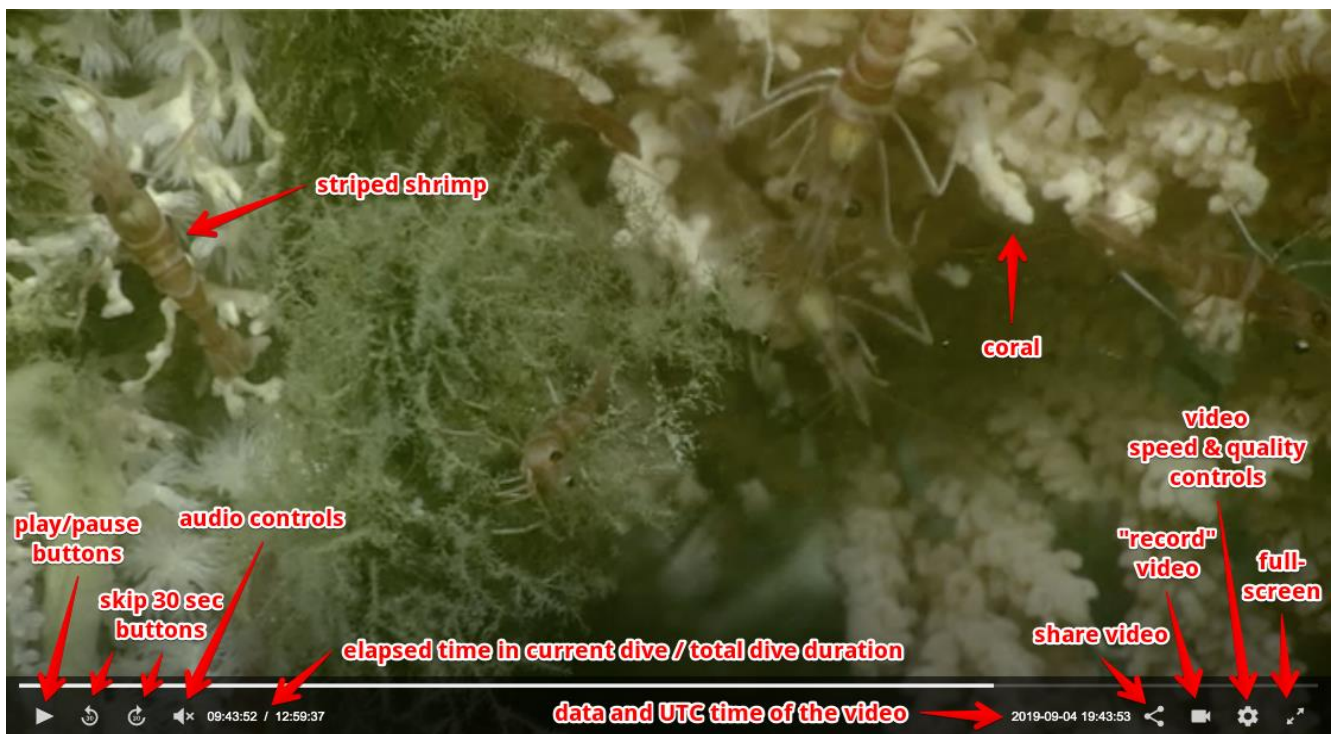
([Watch demo video](#))

Recording Video Clips

You can save video segments to your personal playlist. Use the camera icon to start and stop recording for your segment. When you stop recording, you will be asked to add your video to a new or existing playlist. (**Watch demo video**).

After recording your video clip segments, you can view them from the Playlist Management screen:
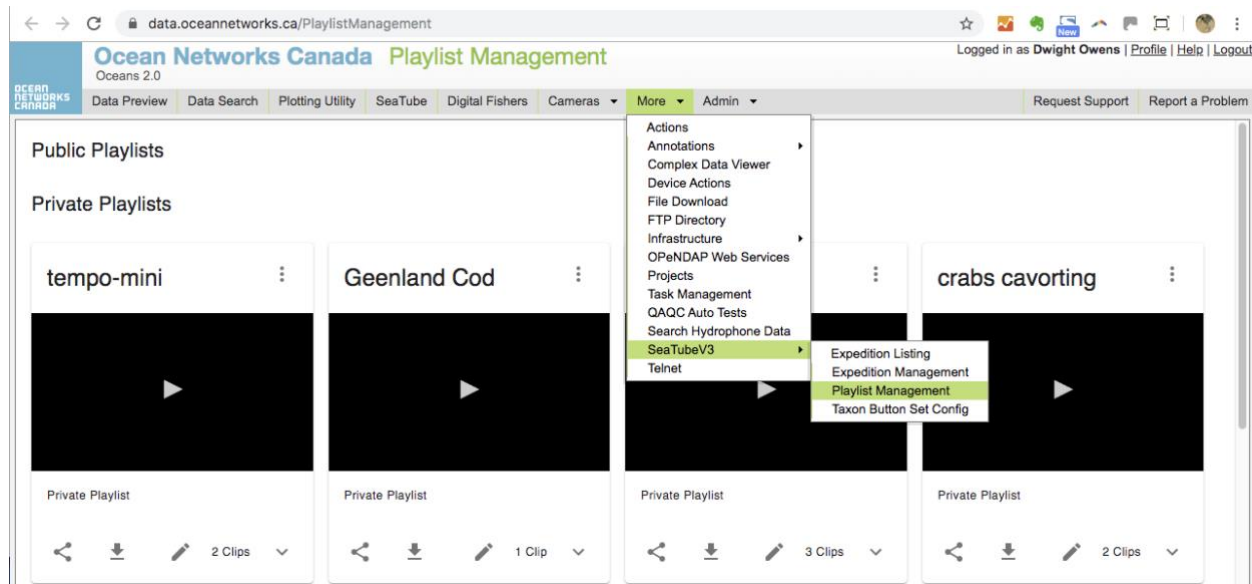

Viewing Video Clips

You can view, describe and share recorded clips on your personal playlist via the Playlist Management screen. (**Watch demo video**)

Downloading Video Clips

You can also download your playlists as video clips! (**Watch demo video**)

Map Widget

When you open a dive in SeaTube V3, a map is displayed. This zoomable map shows seafloor bathymetry along with the track along which the Remotely Operated Vehicle (ROV) followed during the dive. Clicking a dot on the track line takes you to that point in the video.
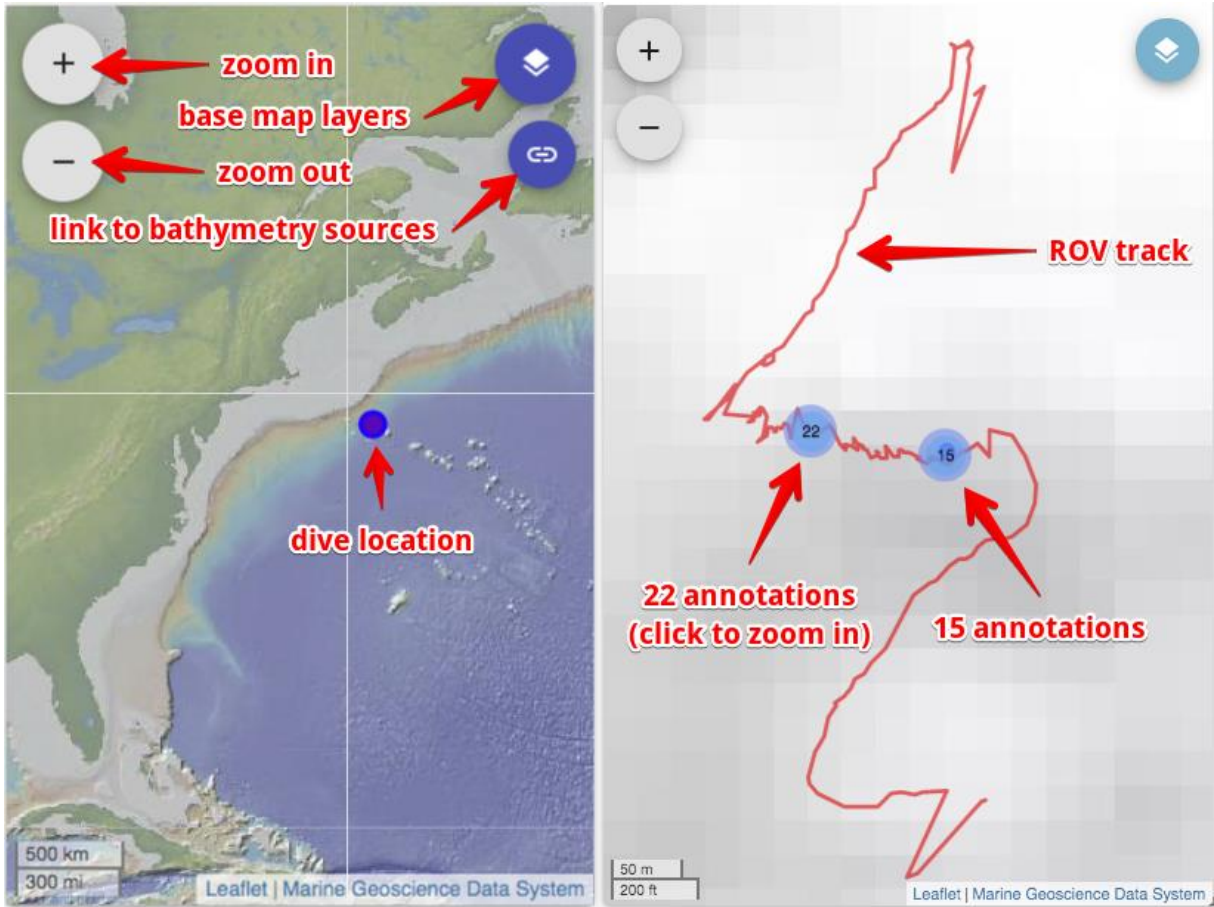
(**Watch demo video**)

Dive Details Widget

Here you can find information about the currently selected expedition and Remotely Operated Vehicle (ROV) dive. The Oceans 2.0 video archives hold video recordings from numerous expeditions and dives by many different ROVs.

Dive Details

Dive
EX1905L2-Dive07

Expedition
NOAA OER (EX1905L2)

Dive Chief
Wagner, Daniel

Area
North Atlantic Ocean

Start Date
2019-Sep-04 10:00:00

End Date
2019-Sep-04 23:00:00

Dive Plan
This site was located within the canyons unit of the Northeast Canyons and Seamounts Marine National Monument. Previous dives within Oceanographer Canyon documented dense deep sea coral communities, and the dive location was predicted to be highly suitable for coral habitat. The purpose of the dive was to explore benthic communities at 500-400 m within an previously unexplored portion of the canyon.

Annotation List Widget

This widget lets you browse and filter annotations on the video. Use filtering to show only the annotations containing a certain word or created by a certain individual. You can also filter by additional options such as date, depth, temperature range, oxygen levels, etc.

After you choose filtering options, don't forget to click Apply Filters. You can remove filtering by clicking Clear Filter.

(**Watch demo video**)

Sensor Readings Widget

You can view readings from instruments attached to the Remotely Operated Vehicle during a dive. When first displayed, they are shown in numerical form, updated for each annotation. You can switch to graphical display sensor readings over time.
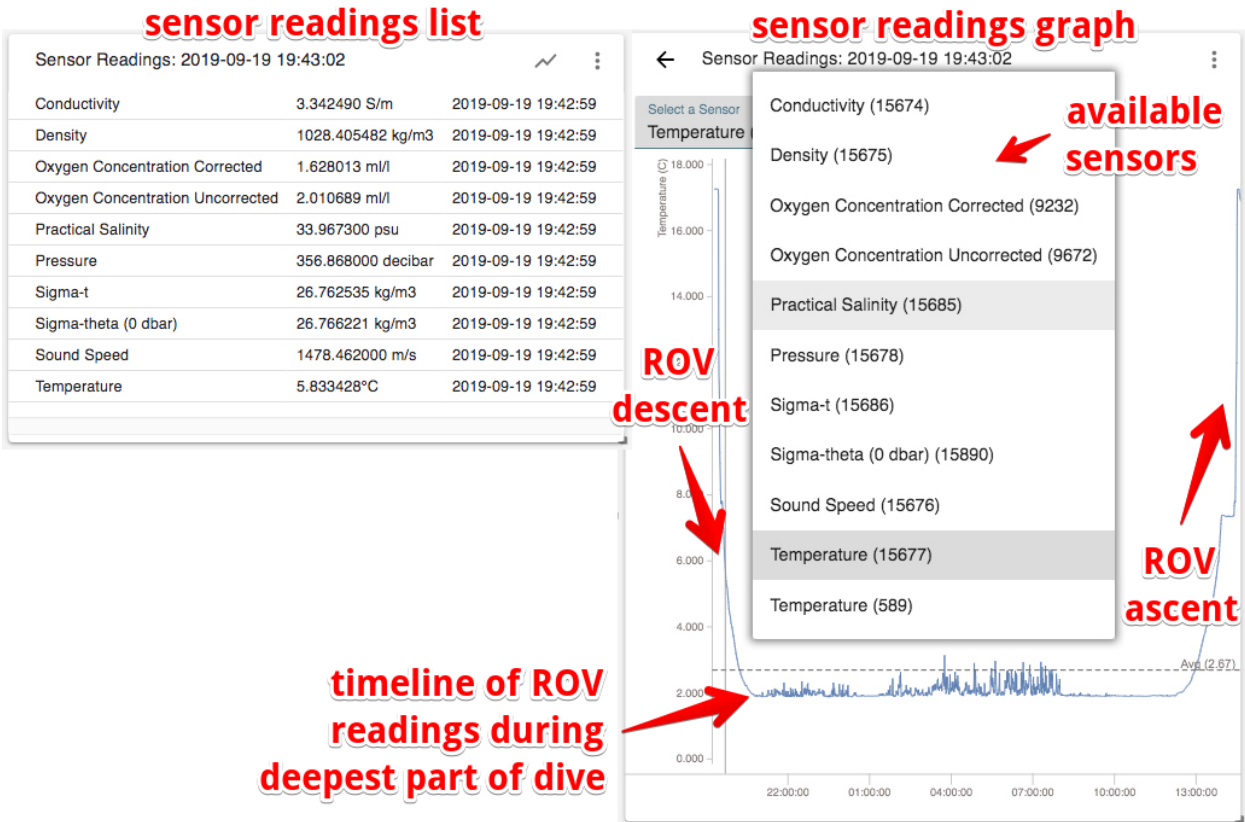
(**Watch demo video**)

Making Annotations

Annotation Entry Widget

Basic Annotation Entry

The annotation entry widget is both powerful and customizable.

You can use taxonomies to standardize annotation entries. This makes them easier to find by filtering as well.

(**Watch demo video**)

Quick Entry

Quick Entry: Buttons

You can use button presets to enter annotations quickly—at a single click.

(**Watch demo video**)

You can choose from button sets that have already been prepared, or you can make your own custom button sets (explained below).

Quick Entry: Keystrokes

You can also use keystrokes for quick entry.

(**Watch demo video**)

Attributes

Attributes

In addition to taxonomies and taxons, you can add attributes, such as count, material or morphotype to your annotations.

(**Watch demo video**)

Button Set Management

Custom Quick-entry Buttons

You can create your own custom button sets using the **Taxon Button Set Configuration** screen.

(**Watch demo video**)

Searching Annotations

SeaTube Search

SeaTube Search

You can search through all video annotations to find video segments of interest. SeaTube Search allows you to scope your search by expedition(s), dive(s) and many other filter parameters.

(**Watch demo video**)

Managing Expeditions & Dives

Full Expedition List

Expedition Listing

This **Expedition Listing** page shows all expeditions catalogued within Oceans 2.0 since 2006. Not all expeditions had ROV dives with video recordings.

- Click a column header to sort the list by that column in ascending order; click it a second time to sort in descending order.
- Click the Expedition ID for details about it; this takes you to its Expedition Maintenance page.
- Click View Dives for an expedition to open its Dive Listing page, where you can see a list of all catalogued dives from that expedition.

(**Watch demo video**)