

Download Hydrophone Files using MATLAB

You may want to automate the download of hydrophone files using Python or MATLAB. This How-to gives instructions for MATLAB. A second How-to show [how to do it with Python](#).

The instructions require that you replace the words "YOUR TOKEN" with the token associated with your Oceans 3.0 account ([how to get your API token](#)). The default script and instructions will download audio data in wav format - other hydrophone data types and formats are listed at the end of this document.

Step-by-step guide

1. Create a .csv file containing a column of start times and a column of stop times in the format yyyy-MM-ddTHH:mm:ss.SSS. If you are downloading one continuous range, enter one start and one stop time.
2. Install the MATLAB client library. Instructions can be found by clicking "Installation instructions" [on this page](#).
3. Import the .csv file containing start and stop times as text-format column vectors. Name these vectors "start" and "stop".
4. Save the [runGetOncArchivefileData_Barkley](#) and [getOncArchivefileData.m](#) scripts to your working folder.
5. Open the "runGetOncArchivefileData_Barkley" script and replace "YOUR TOKEN" with your token.
6. Run "runGetOncArchivefileData_Barkley"



Note: The [Python method](#) downloads files faster than the MATLAB method.

Related articles

- [Data, Data Products and Metadata](#)
- [API \(Application Programming Interface\) Help](#)
- [Hydrophone Viewer Help](#)
- [Download data using API](#)
- [Find and Download an Audio Highlight](#)