



Description

This self-paced online training course provides an introduction to processing backscatter data utilizing CARIS HIPS and SIPS. The course covers the same topics and includes the same exercises as the equivalent classroom training course. However, it lets you go through the materials at your own pace, using your own computer with internet access, from your desktop, and without having to attend a classroom training course in another location.

Length

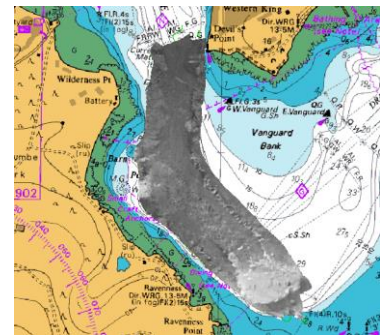
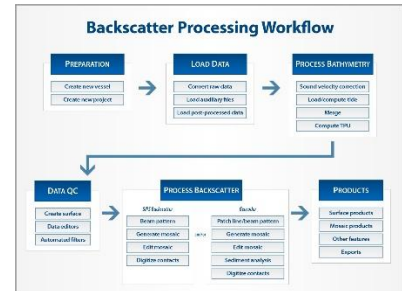
20 hours (estimated – completion time may vary based on experience).

Audience

Any marine or hydrographic personnel wishing to gain a detailed technical overview of the CARIS HIPS and SIPS software. No previous HIPS and SIPS usage is necessary. It is also of interest to students or others wishing to learn about HIPS and SIPS.

Topics

1. Getting Around in HIPS and SIPS:
 - ✓ User interface
 - ✓ Getting Help
 - ✓ HIPS and SIPS settings
2. Interacting with Data:
 - ✓ Opening Data
 - ✓ Viewing and Selecting
 - ✓ Filtered Selections and Layers Using a Query
3. Project Setup:
 - ✓ Vessel Editor
 - ✓ Importing Sensor Data using Tools > Options
4. Georeference Bathymetry:
 - ✓ SVP and Tide editors
 - ✓ Georeference Bathymetry
 - ✓ Single Resolution Surfaces
5. Process Designer:
 - ✓ About Process Designer
 - ✓ Creating Process Models
 - ✓ Running a Process Model
6. Line Editors:
 - ✓ Navigation Editor
 - ✓ Attitude Editor
 - ✓ Swath Editor
7. Subset Editor:
 - ✓ Subset Tiles
 - ✓ Subset Controls
 - ✓ Subset Editor Workflows





- 8. Quality checks against S-44 Standard
- 9. Backscatter Products:
 - ✓ Backscatter Products
 - ✓ 3D Display Window
- 10. Seabed Acoustic Classification:
- 11. Export Data:
 - ✓ Export Backscatter and Bathymetry
 - ✓ Export Coverage
 - ✓ Export Vector

Course Materials

This self-paced online training course makes use of different complementary types of materials including:

- ✓ Introductory webpages with text and screen captures
- ✓ Short video presentations with audio
- ✓ Practical step-by-step exercises with downloadable datasets
- ✓ Multiple choice quizzes to review what you have learned

Prerequisites

This is an introductory training course. No previous experience working with CARIS software is required. Ideally, all participants will:

- ✓ Be familiar with operating Windows computers and software including using an internet browser
- ✓ Already have some basic knowledge of backscatter data acquisition and processing, as this would be helpful but is not required

Software Requirements

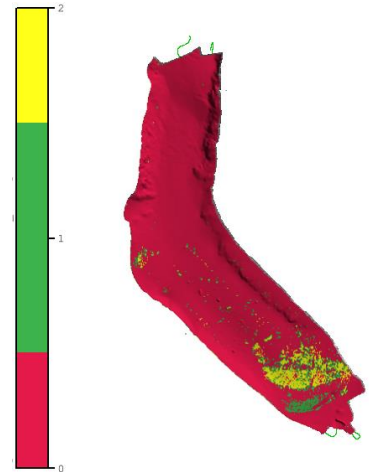
Participants must have access to the following as these items are *not* included with access to the online course:

- ✓ CARIS HIPS & SIPS Essential or Professional software program
- ✓ A valid CARIS software license
- ✓ High speed internet access and an internet browser

Contact us

For more information about this self-paced online training course, please contact CARIS Global Headquarters:

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EXERCISE 5-2: Create a Process Model

Objective
Create your own process model that imports additional sonar data into the CUBE file and adds the georeferenced bathymetry to the CUBE file using coverage file.

Topics reviewed in this exercise:

- Adding tools to the Model window
- Setting tool properties
- Creating connections between tools

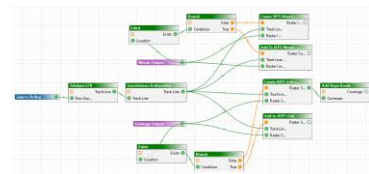
Work through the exercise Steps in order, using the buttons below, or using the Lessons menu entries to the left.

- Step 1: Add Tools to the Model Window and Set their Properties
- Step 2: Add Connections to Process Model

Complete the exercise by reviewing the expected Results.

The button with a * beside its name indicates the current page.

Navigation buttons: Previous, Next, Home, Search



Which command do you use to open an existing project?

Select one:

- A. File > Open Connection...
- B. File > New > HIPS File...
- C. File > Project > Open Project... ✓ Correct — Use the Open Project command to open an existing project.
- D. File > Open...

Your answer is correct.
The correct answer is: File > Project > Open Project...