# **Multibeam Data Processing**





## **Description**

This self-paced online training course provides an introduction to processing multibeam data within CARIS HIPS Essential. 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

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

#### **Audience**

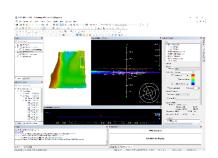
Any marine or hydrographic personnel wishing to gain a detailed technical overview of the CARIS HIPS Essential software. No previous HIPS usage is necessary. It is also of interest to students or others wishing to learn about HIPS Essential.

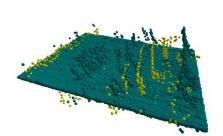
### **Topics**

- 1. Getting Around in HIPS:
- ✓ User interface
- ✓ Getting Help
- ✓ HIPS and SIPS settings
- 2. Interacting with Data:
- ✓ Opening Data
- ✓ Viewing and Selecting
- ✓ Filtered Selections and layer
- 3. Project Setup:
- √ Vessel Editor
- ✓ Importing Sensor Data
- 4. Georeference Bathymetry:
- ✓ SVP and Tide editors
- √ Georeference Bathymetry
- ✓ Regular Gridded 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 Filters









# **Multibeam Data Processing**

# with CARIS HIPS and SIPS



- 8. Depths Filtering
- 9. Bathymetric Products:
- ✓ Surface Products
- ✓ 3D Display Window
- ✓ Profiles
- 10. Cartographic Feature Products:
- ✓ Contours
- ✓ Sounding Selection
- 11. Export Data:
- ✓ Export 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 guizzes 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 multibeam 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 Essential, HIPS & SIPS Essential, HIPS Professional or HIPS & SIPS Professional, version 11.1 software program
- ✓ A valid CARIS software entitlement
- 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:

Address: 115 Waggoners Lane, Fredericton, NB, E3B 2L4, Canada

Phone: +1-506-458-8533
E-mail: support@caris.com
Website: www.caris.com

