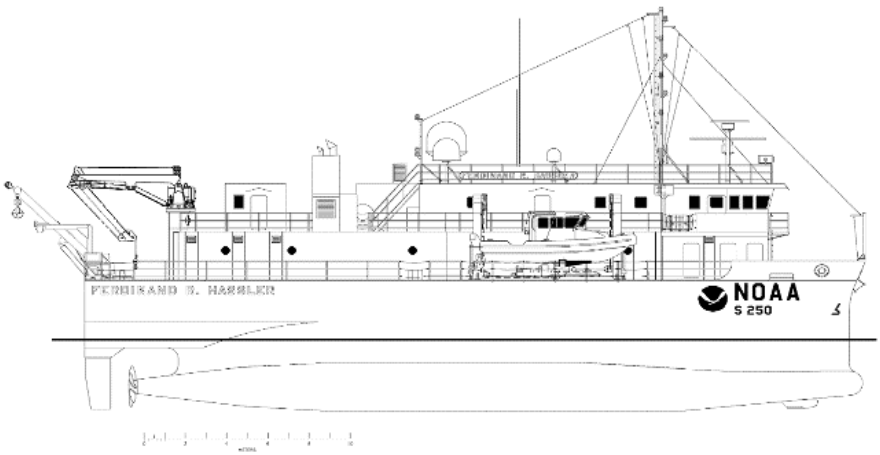
Ferdinand R. Hassler

Manual MBES Processing in Caris 11

Standard Operating Procedures



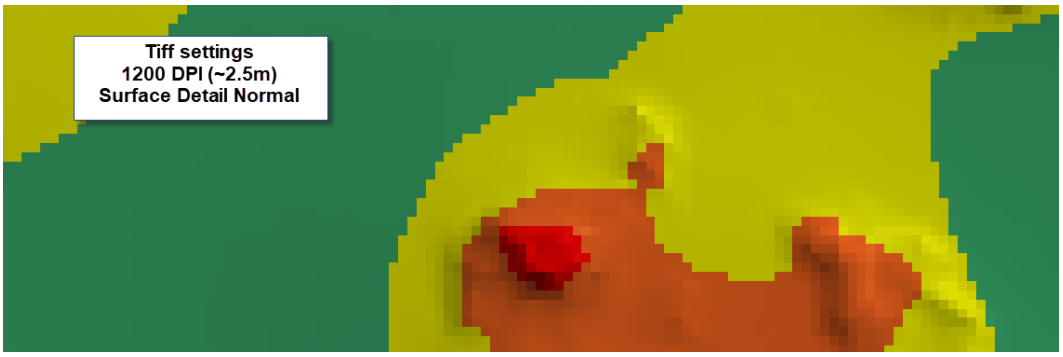
Revision History

Date	Revision Description (Reason/What)	Updated by
?	Created	UNK
07/11/20223	Reviewed	LT Debroisse

Manual MBES Processing in Caris 11

Creating a GeoTiff in CARIS 11.x

The .tif produced from this process will be created after processing is completed at the end of each day of acquisition. It is important for safety that you export the .tif using the highest resolution. It could be the difference that saves your launch from going aground. Check out the differences in data quality between resolutions below:

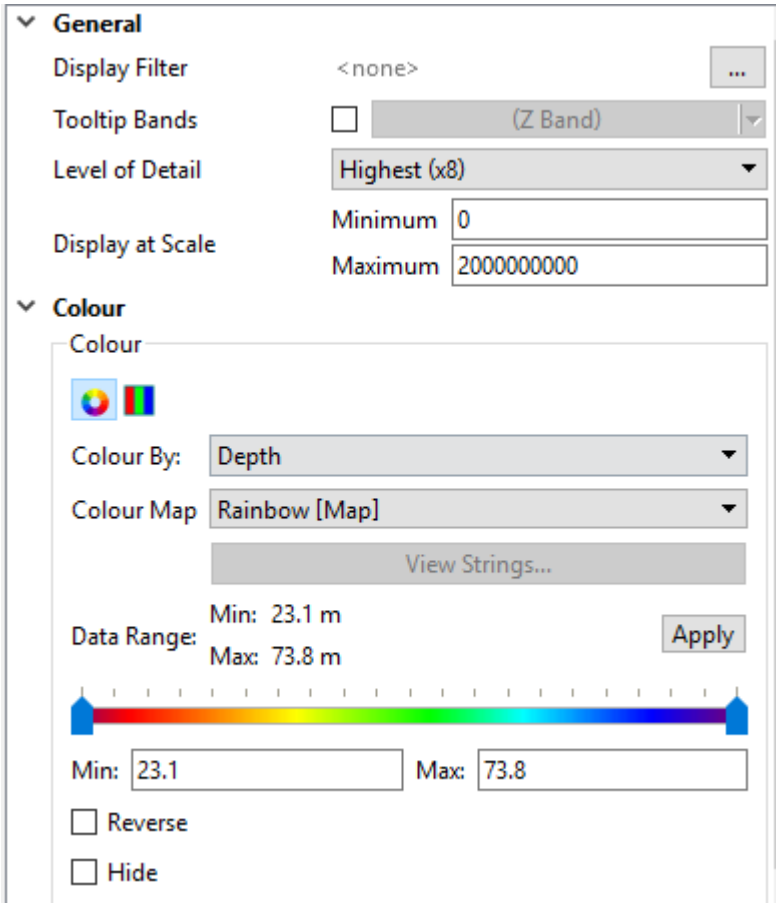


*At the lower resolution, it appears there was coverage over the rock. In reality, there was not, as seen with the highest level of detail.

1. In CARIS, open your surface and have it be the only file in the display (unless you want to have features etc. displayed in your TIFF image).
2. In the Layer Properties

Change the highlighted items in the screenshot below.

- **Change the Level of Detail to Highest (x8)** *if not enabled, check blue settings cog in top right*
- Change Colour File to Rainbow or to the color range designated by the FOO.



3. Highlight or select the surface. Go to File > Export > View. Fill out fields highlighted below.

Adjust the **Ground Resolution** according to the size and detail of the surface

Resolution for nearshore work and holiday development should be 1m or 0.5m, compare your TIF to the surface to ensure rocks are not hidden. Hypack will FAIL to open extra-large tiffs so you may need to create a separate Tiff for nearshore. 1600 DPI is the reliable upper limit of DPI, however, you can test out which value works best.

Include the resolution used in the name of the TIFF
Save your tiff to the file location below

P:\Survey_Storage\00_PROJECTS\20XX\OPR-XXXX-FH-XX\Surveys\HXXXXX\04_TIFF