GEOCODER IN NAVIMODEL

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Contents

1 Getting started with GeoCoder

- GeoCoder is a program created by the University of New Hampshire by Luciano Fonseca and Giuseppe Masetti
- The purpose of this guide is to explain how to get started with the GeoCoder in NaviModel. If data files have been read into a DTM and the original data file contains intensity data, the GeoCoder functionality can be used

1.1 Starting GeoCoder

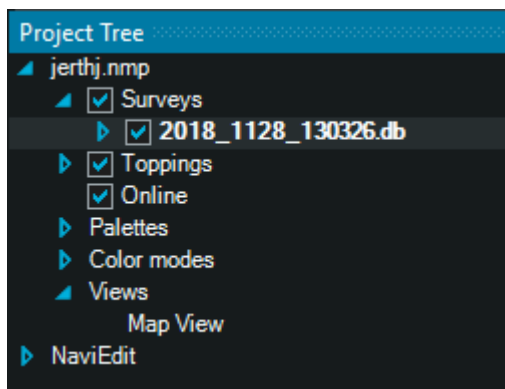- Open NaviModel and right click a surveys node

Figure 1 Right click surveys node in the tree or right click on a survey model in the 3D view
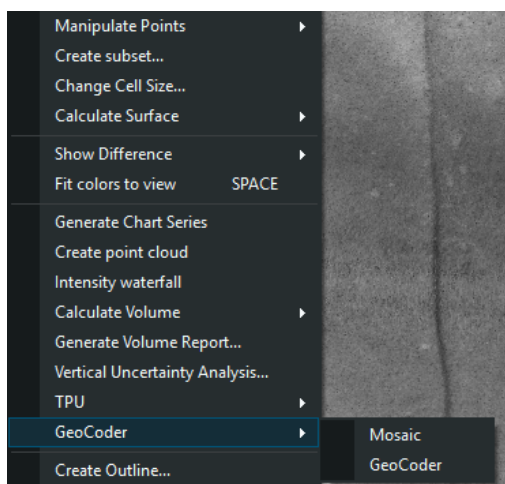

Figure 2 Click the GeoCoder node

1.2 Mosaic

- The mosaic option will generate a georeferenced .tif file from GeoCoder and import it into NaviModel when finished
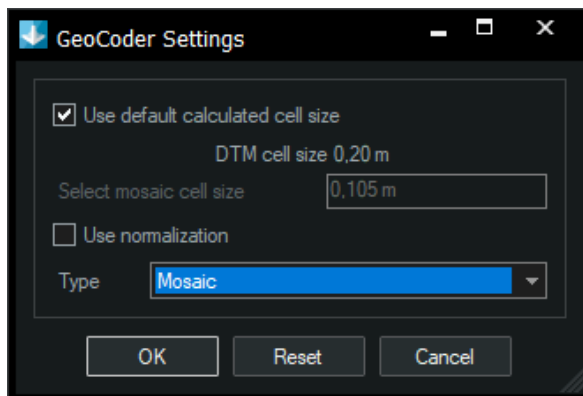

Figure 3 Selection of method for generating the GeoCoder image

- The cell size for the generated .tif file can be specified by not selecting "Use default calculated cell size"
- "Use normalization" will make an angle compensation of the intensity values if selected
- The "Type" will specify the method that is used for the creating the image
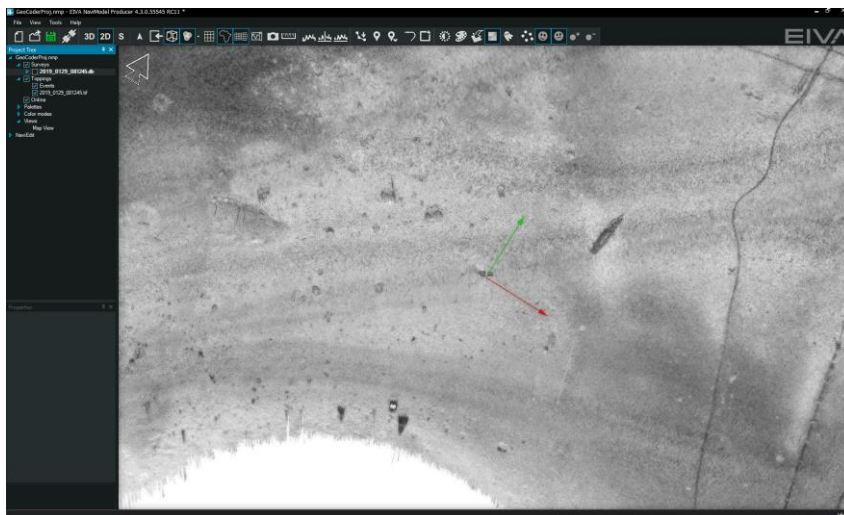- When pressing OK the image file will be generated by GeoCoder and imported into NaviModel as a .tif file

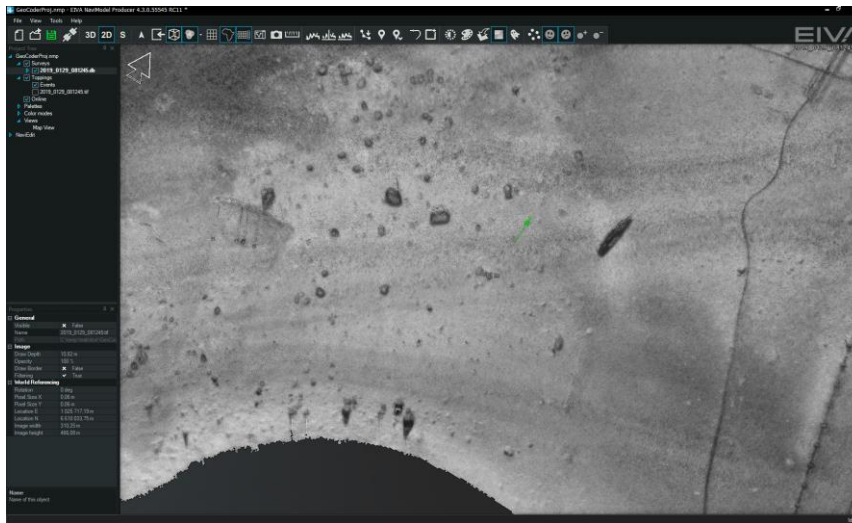Figure 4 Image of a .tif file generated with the GeoCoder mosaic function

Figure 6 If the Geotiff draping is selected as colormode the .tif image will be draped on the surface

1.3 GeoCoder

- The GeoCoder option will open the GeoCoder program some information and supported formats can be found here

http://ccom.unh.edu/theme/data-processing/geocoder

- Either NaviModel can generate files that GeoCoder can read, or the original files can be dragged-and-dropped into GeoCoder
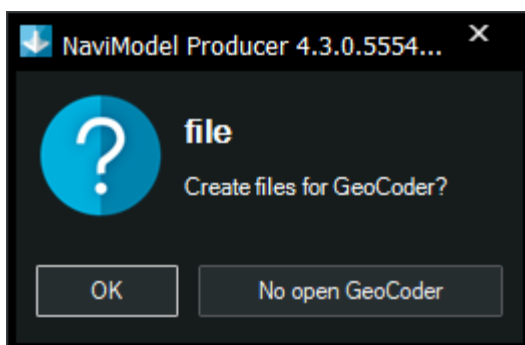

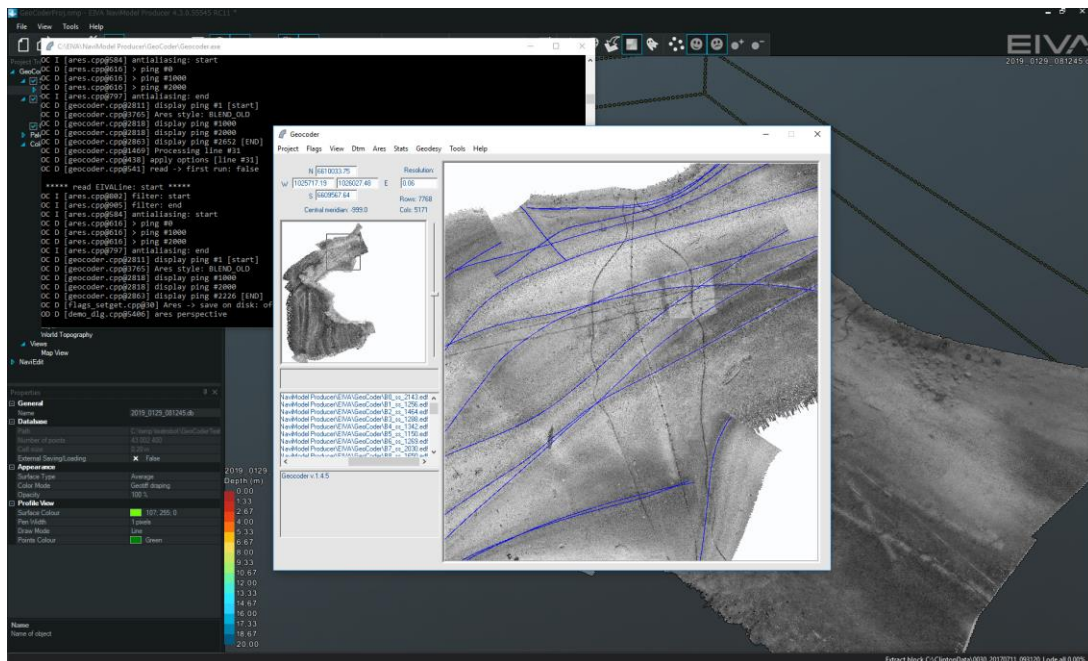Figure 7 Showing the waterfall view in the right side of the screen.

Figure 8 Showing the files imported into the GeoCoder program

- The mosaic is created by clicking Ares->Assemble, or pressing Ctrl+M