PHOTOGRAMMETRY – AGISOFT METASHAPE

Adding & Editing Photos to a New Project

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ABOUT AGISOFT METASHAPE

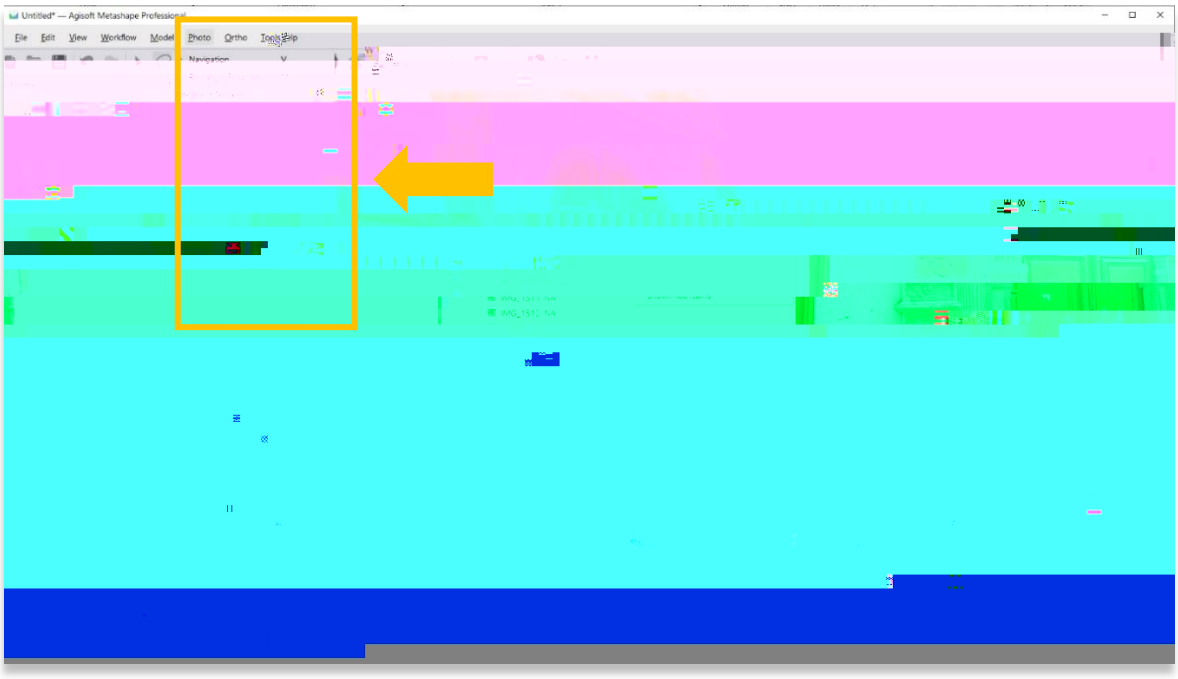
Agisoft Metashape is a stand-alone software product that performs photogrammetric processing of digital images and generates 3D spatial data to be used in GIS applications, cultural heritage documentation, and visual effects production as well as for indirect measurements of objects of various scales. This software provides a platform for cultural heritage specialists to create virtual reality scenes, textured 3D meshes, orthographic projections, geo-referenced maps and much more from images and/or laser scans completely automatically.

This ASOR Tutorial (04.06) will demonstrate how to add and editing photos in Agisoft Metashape Professional on a Windows desktop. ASOR's tutorials for Metashape are focused on creating 3D surfaces and orthophotos of objects, monuments, and architecture during cultural heritage surveys through the eastern Mediterranean and northern Africa. ASOR plans to expand the scope of its photogrammetry tutorials, however for)

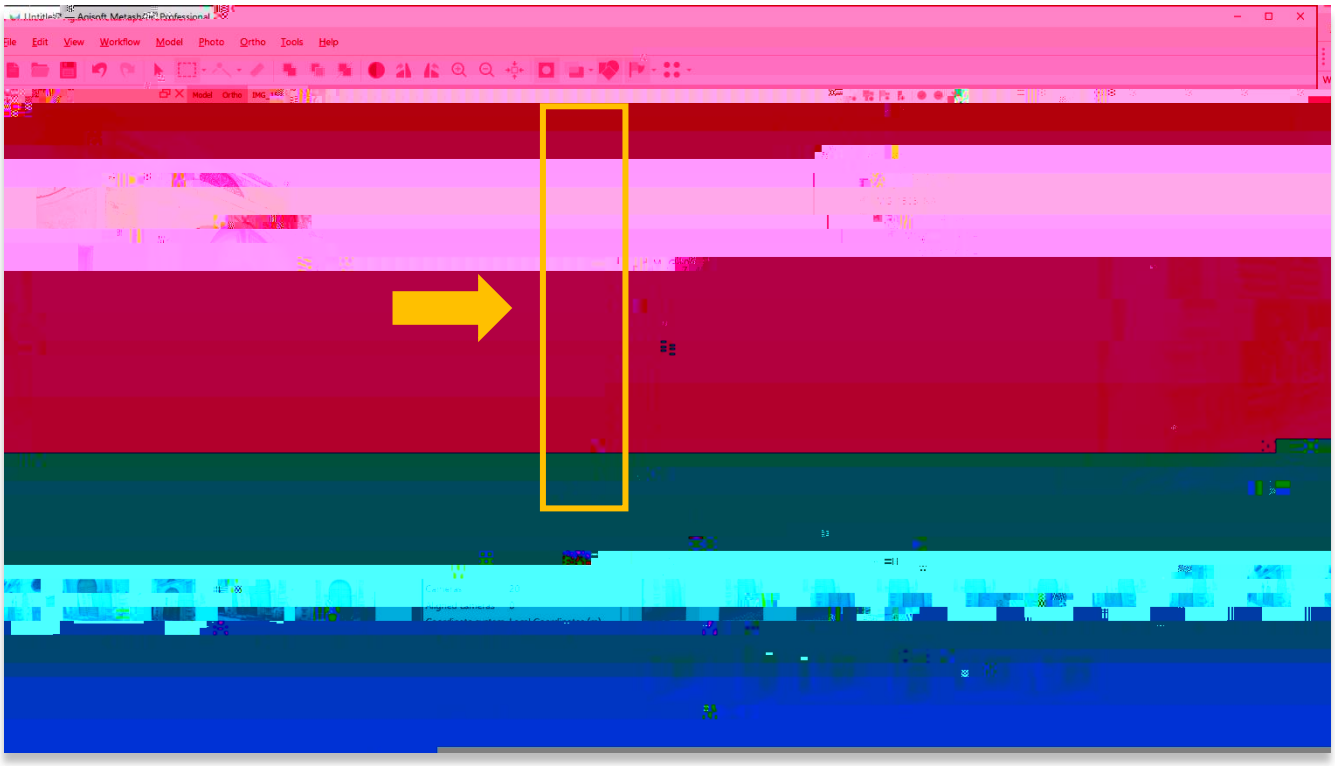
PHOTO MASKING

5. Photo masking is a process of identifying regions of each individual photo that Metashape should ignore during the model construction phases. Masking can be done at any point of the model-building process, but is often completed before you begin aligning photos and building the 3D model. It can often save you hours of processing time down the road. However, it can be time-consuming process and is not necessary for every build. Sometimes it is easier to build your dense cloud without masking and then clean up the model by deleting regions of the dense cloud (see ASOR Tutorial 04.08—Building a Dense Cloud).

   To mask an image, select that image from the bottom panel. Then choose the Photo menu.

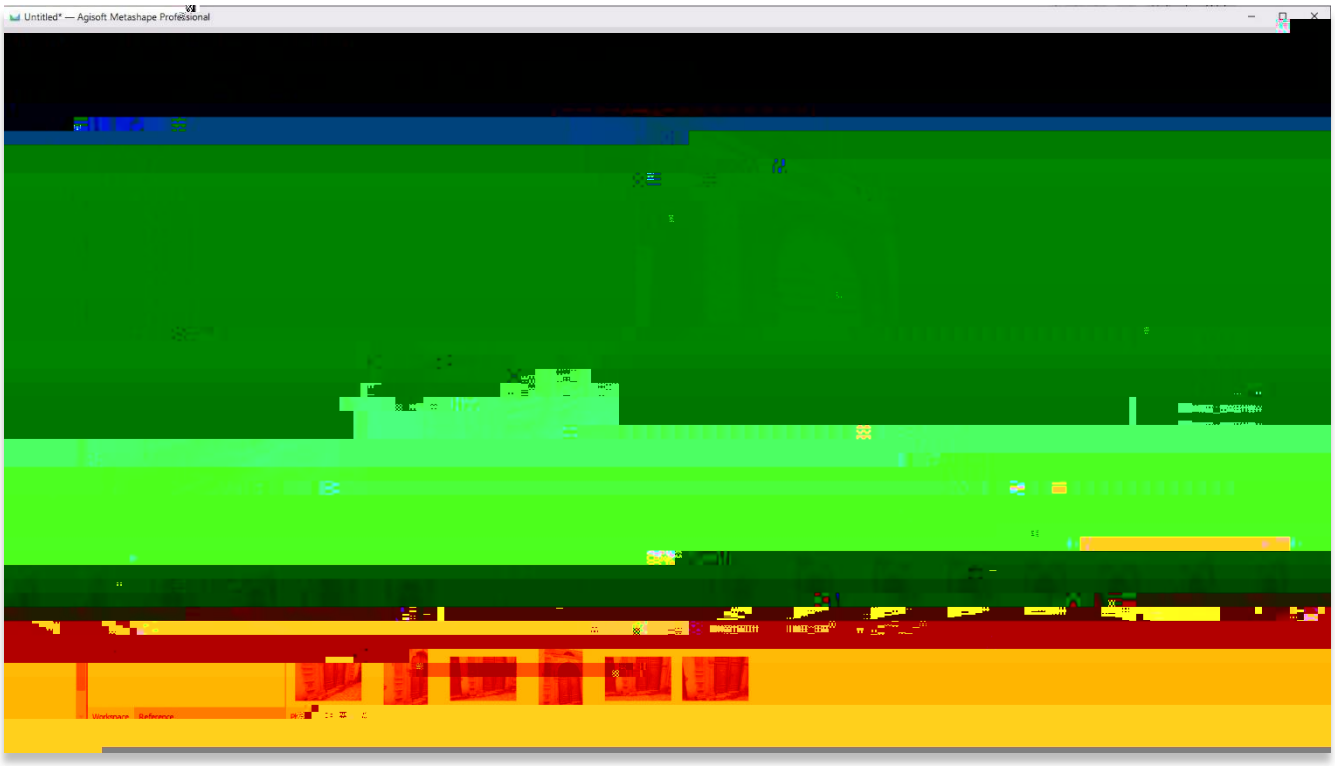


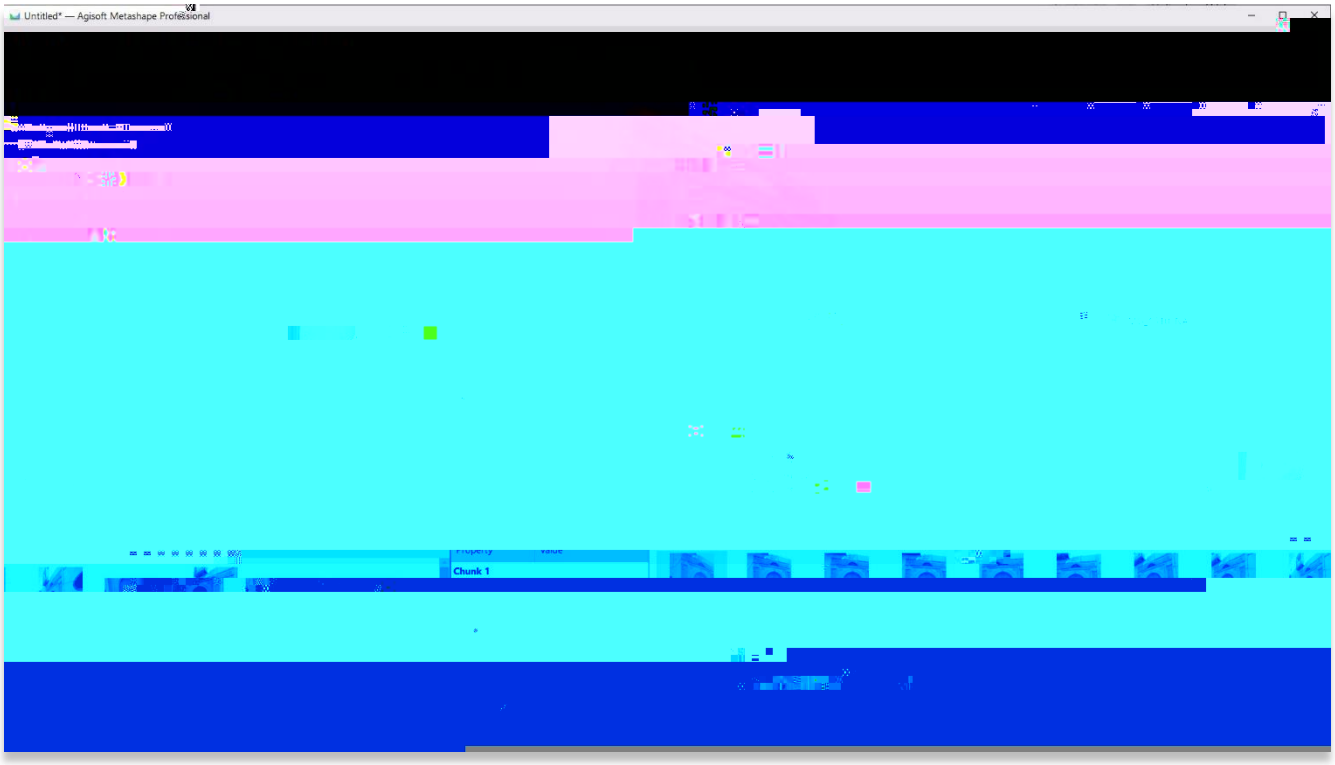
8. The masked area is now shaded grey/black. You can continue to mask your remaining images by repeating steps 5-7 from this tutorial.



9. For a more accurate masking area, you can select the Intelligent Scissors tool from the Photo Menu.

10. The Intelligent Scissors tool allows you to create a masking area through a series of line segments. Once you have created your mask, right click on your mouse and choose Add Selection.





11. Save your project before moving onto the next step in the Workflow menu.