HOW TO EXPORT DATA FROM DRONEROVER AND IMPORT TO SURFER AND GOOGLE EARTH
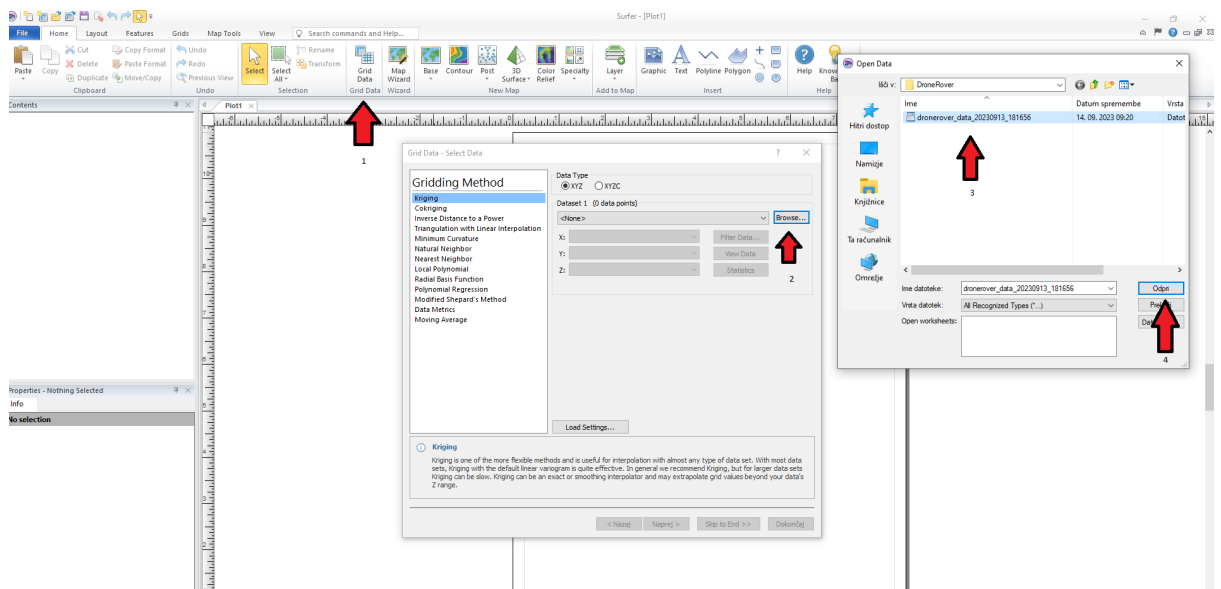
In this document we will show how to import DroneRover scan data into the Surfer and Google Earth program.

DroneRover App

1. After the Automatic or Manual Scan with DroneRover, press on export button to export the data
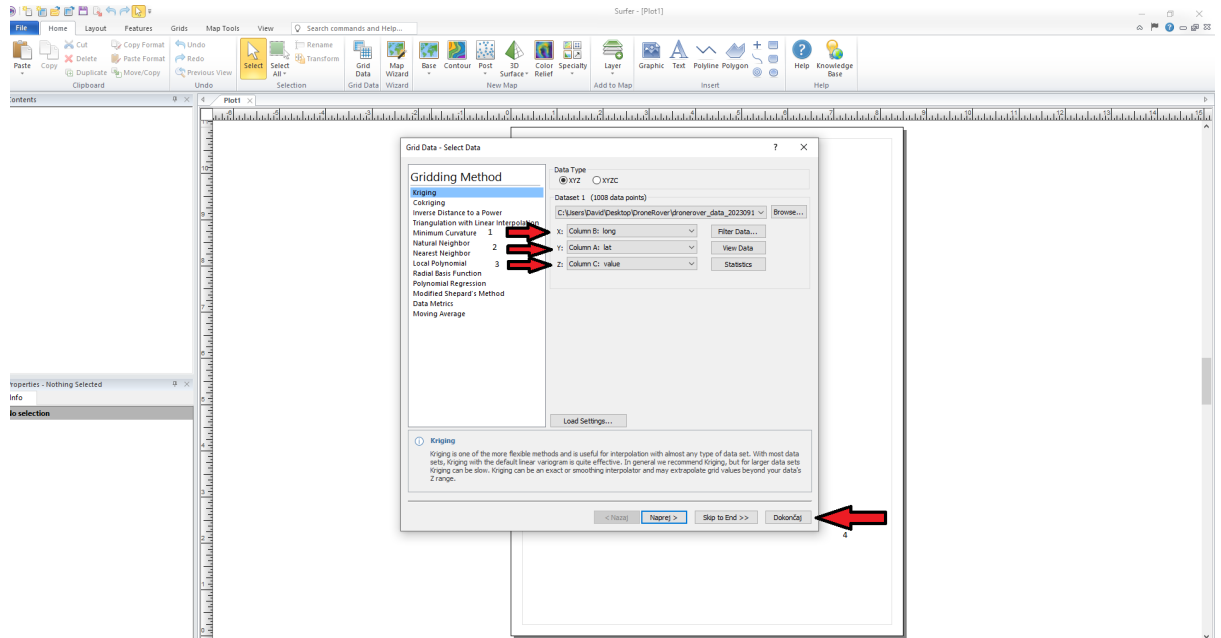
2. Export as Share CSV location

3D Surfer

1. Download the Surfer software
   https://www.goldensoftware.com/products/surfer

2. Install the Surfer software

3. Open the Surfer program and click the Grid Data button. Find and select .CSV file exported from the DroneRover and open it.
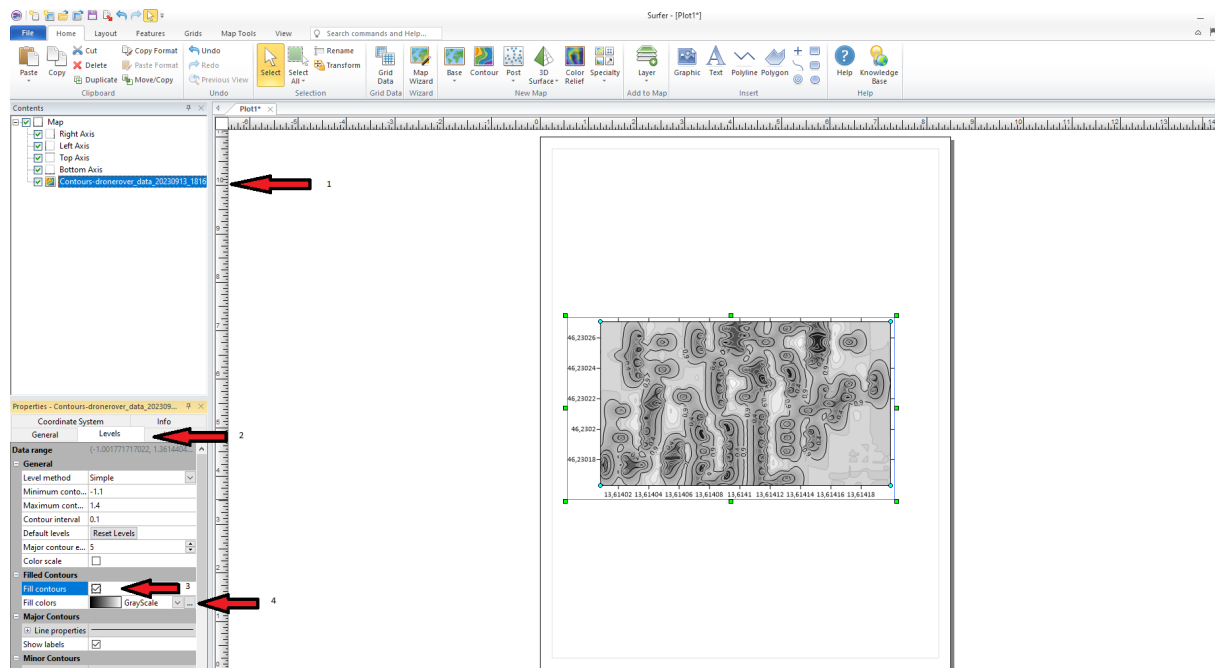

Loading the Data

4. From the Data Columns select
   - X → Column A: long (Longitude)
   - Y → Column B: lat (Latitude)
   - Z → Column C: value

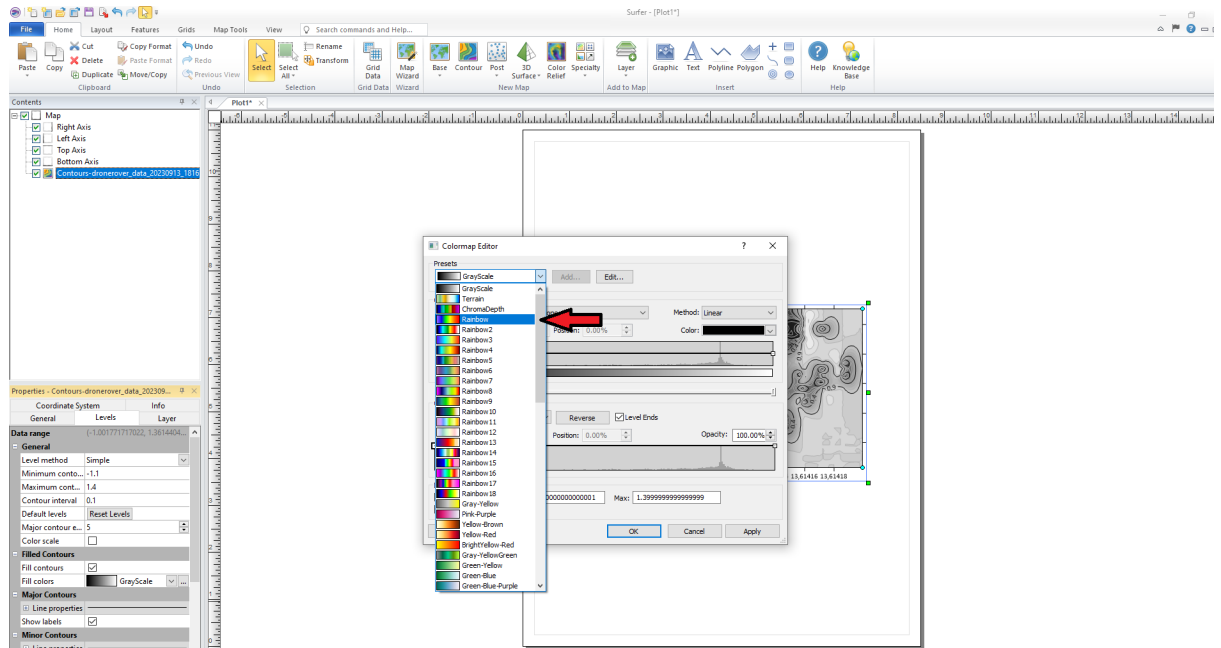   And press OK to convert the data.

Data Convert

5. Now you can view the scanned data. This view can also be improved by adding color. To do this click on Contours-[your_file_name], select Levels menu, check the Fill contours checkbox and click "…" button under the Fill colors … button
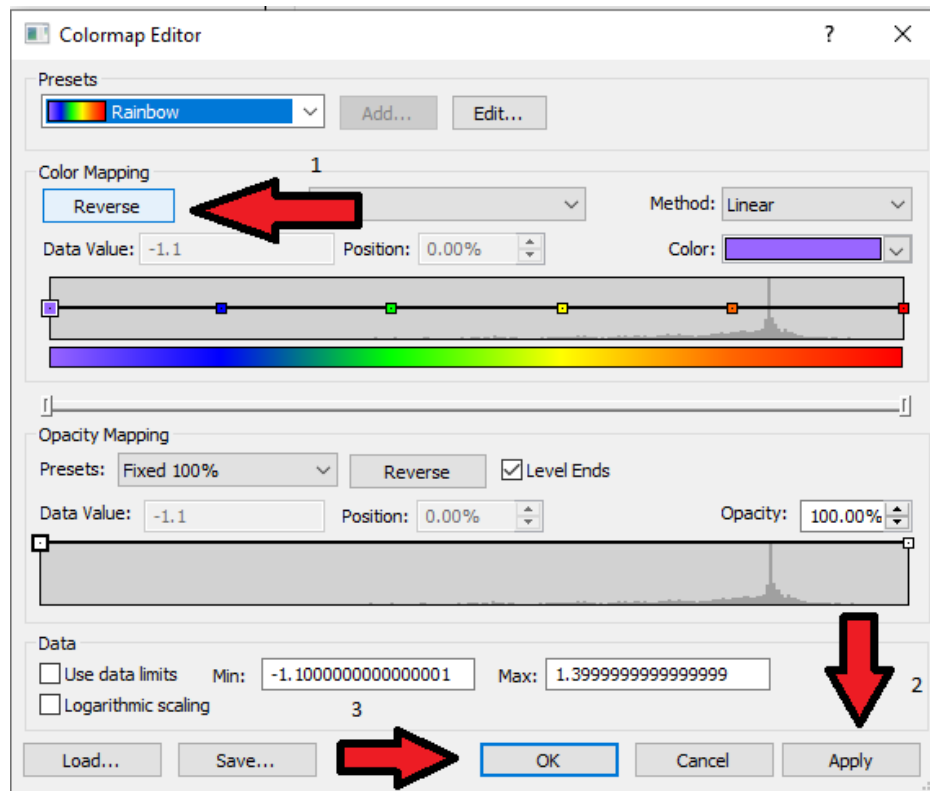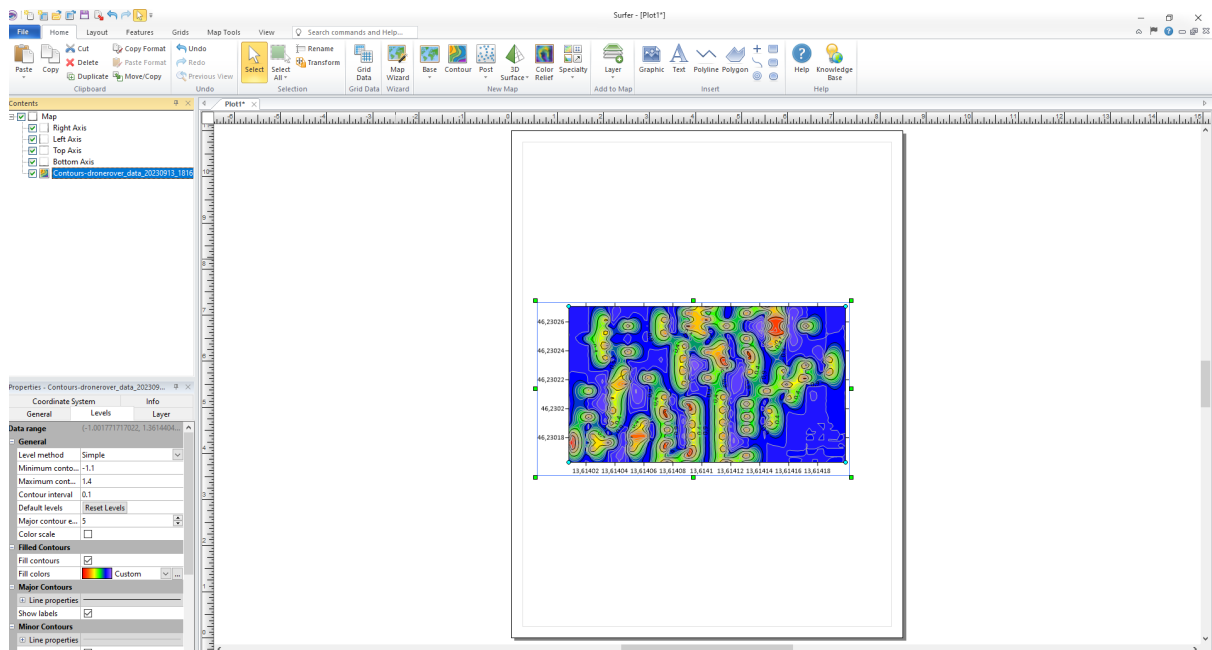
6. Select Rainbow color

Selecting Colors

7. Click on the reverse button, then on apply and press OK.
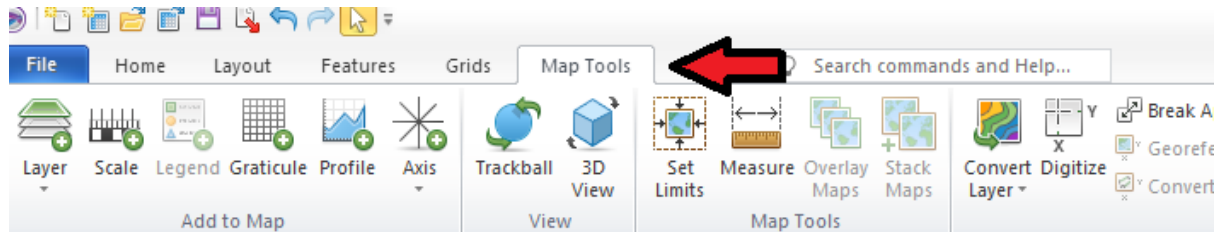

Reversing Colors

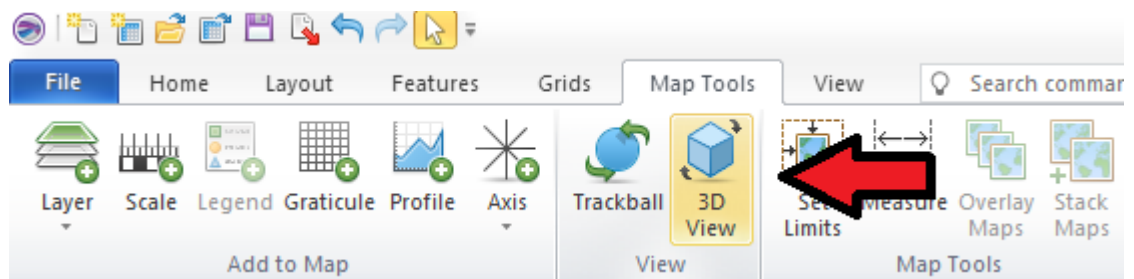Now we have the image in colors

Picture in colors

You can also create 3D view by clicking on Map Tools button and selecting 3D view
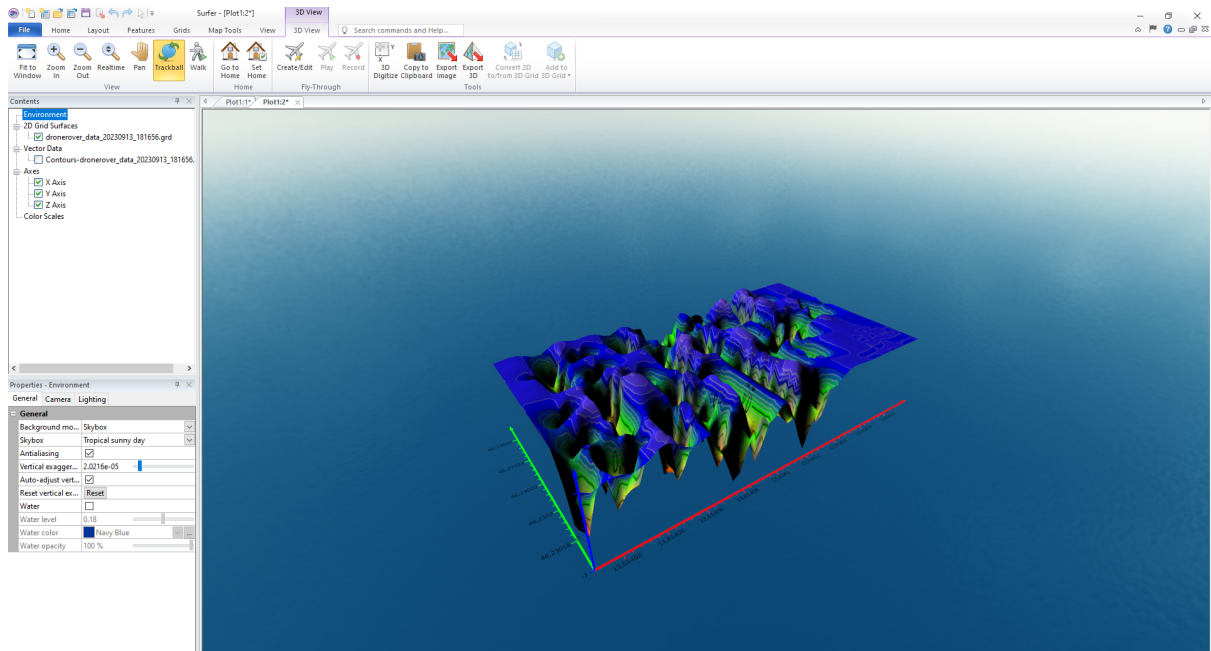
1. Click on Map Tools

Map Tools

2. Click on 3D View

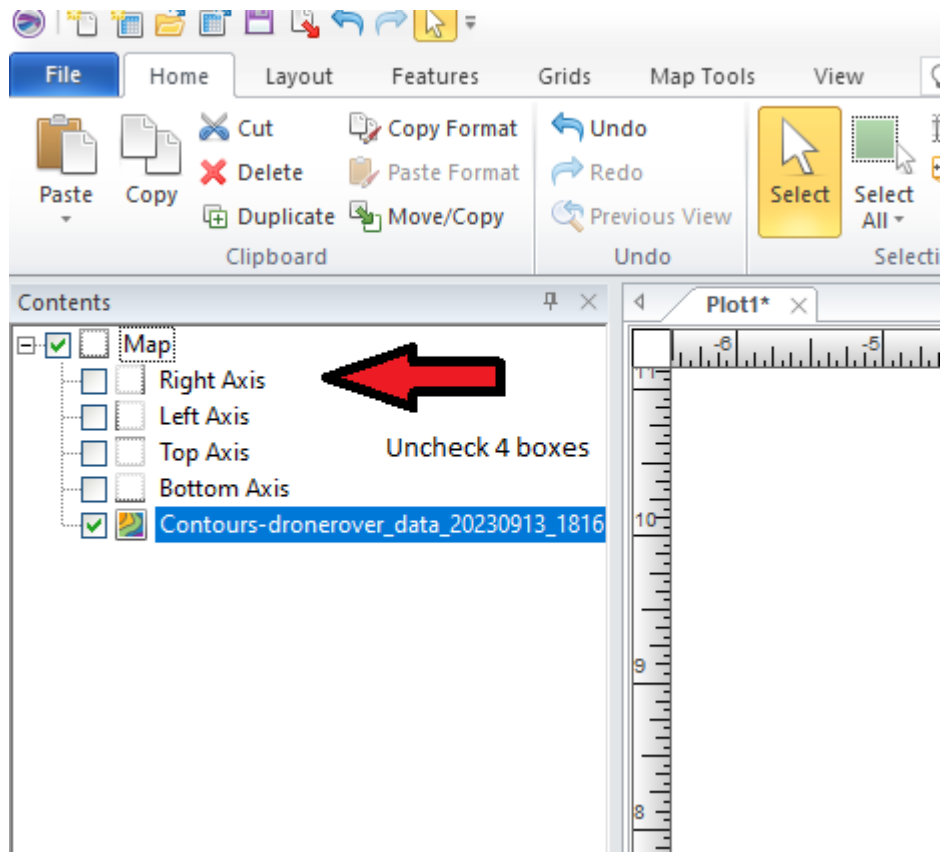
3D View

And now we have a 3D view of our scan.

3D Scan View

GOOGLE EARTH

Now let's export the data to Google Earth.

Before that make sure that all axis checkboxes and lines options are cleared

1. Contents

Uncheck 4 boxes

2. Levels

Extend Line Properties of the **Major** and **Minor contours** and set them to Invisible
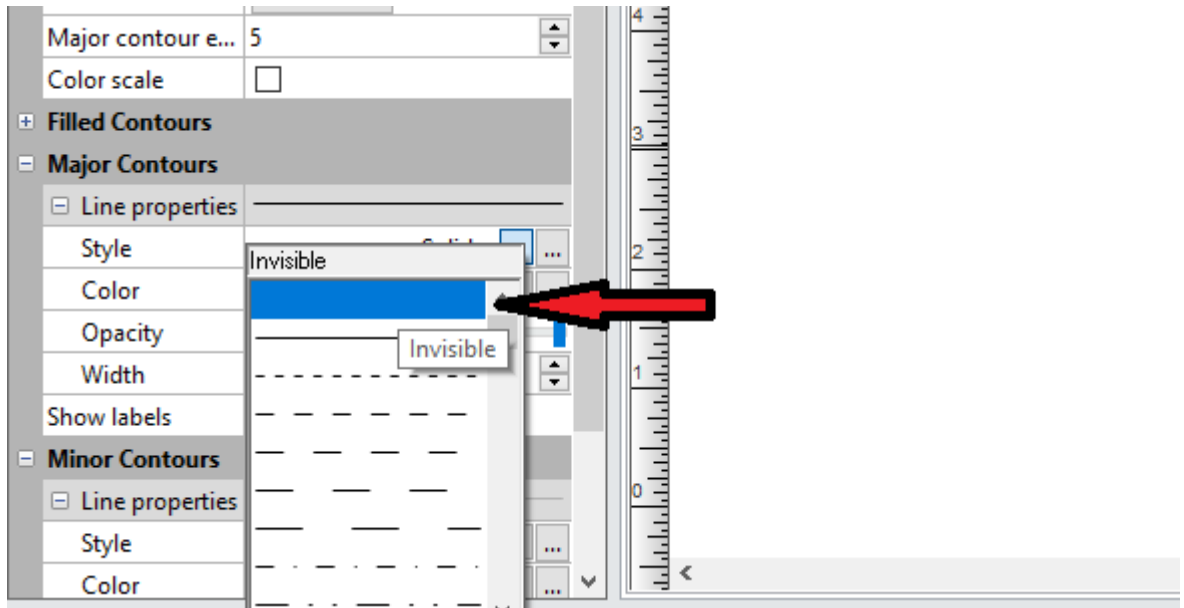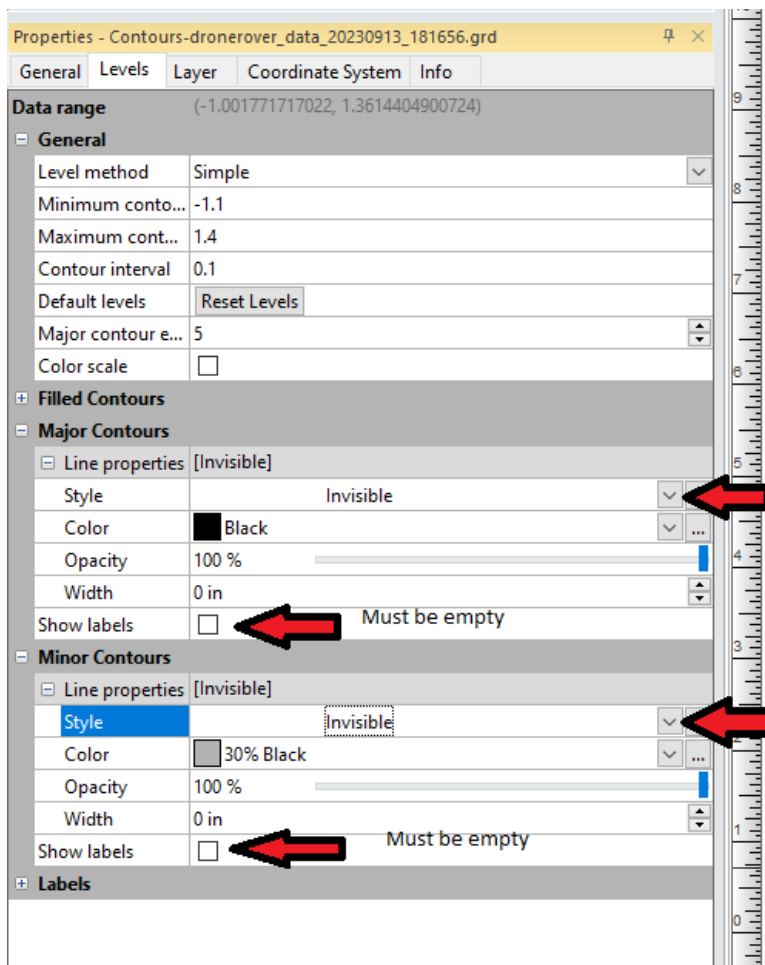

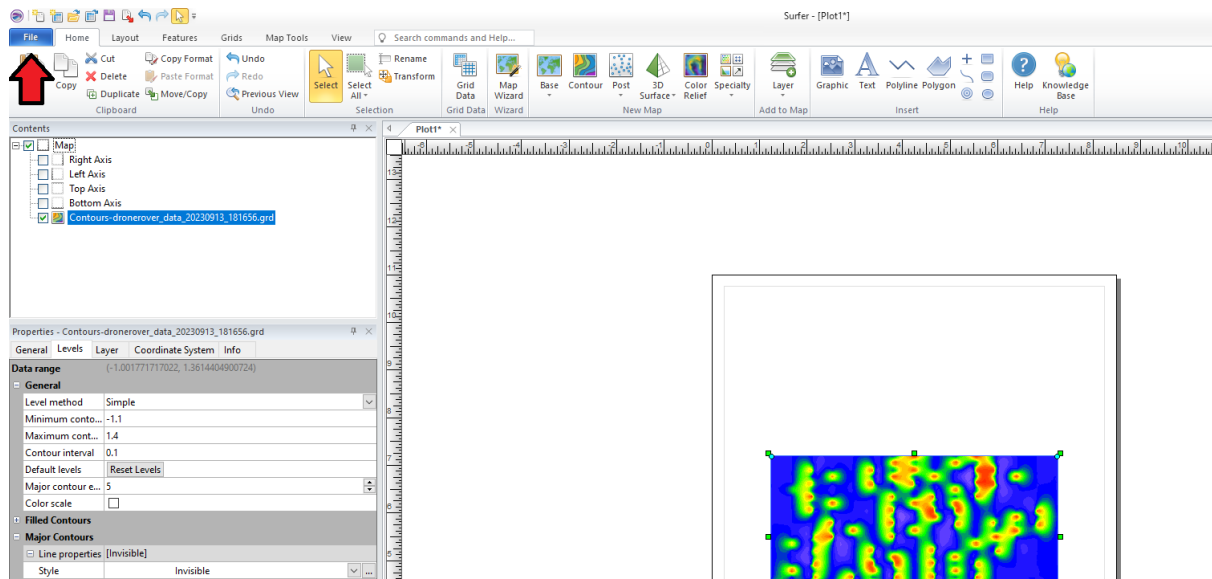Extend the Properties
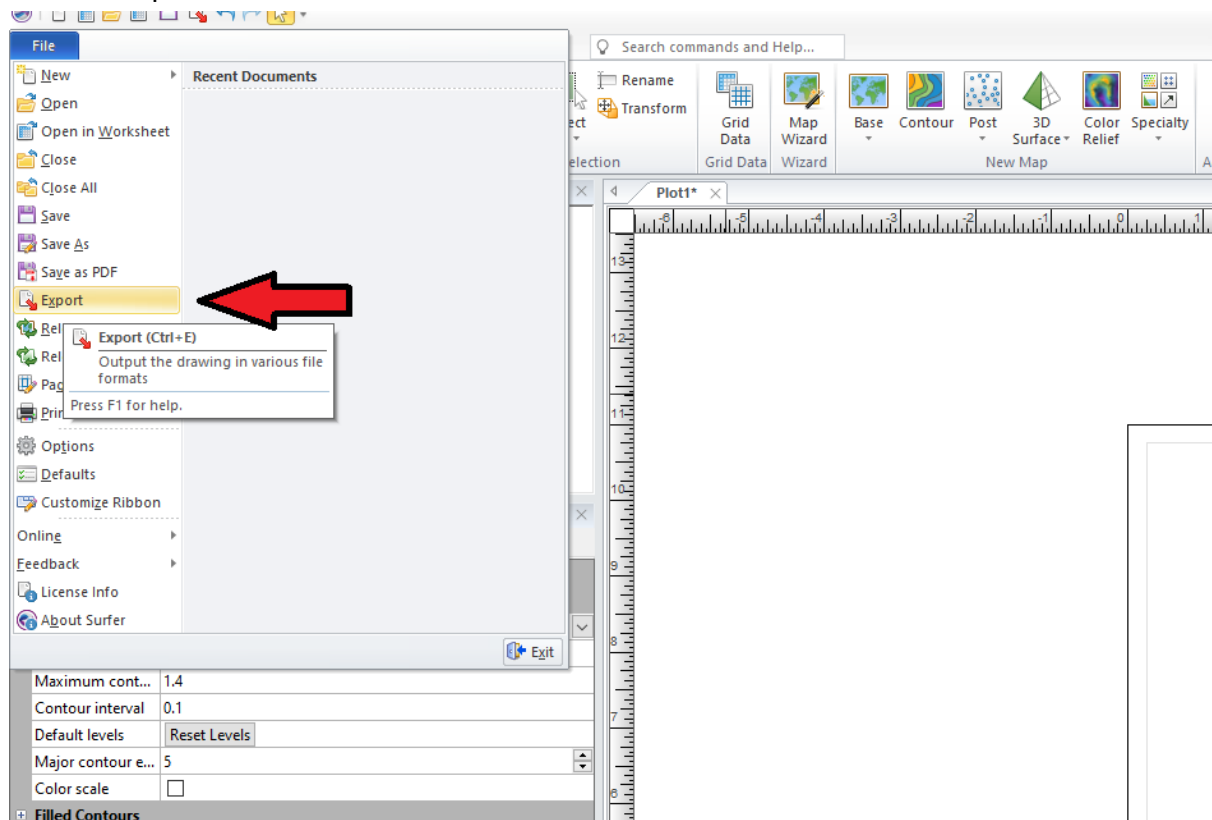
Set style to Invisible

Set style invisible

Repeat this also for the Minor Contours and make sure that show labels checkbox is unchecked
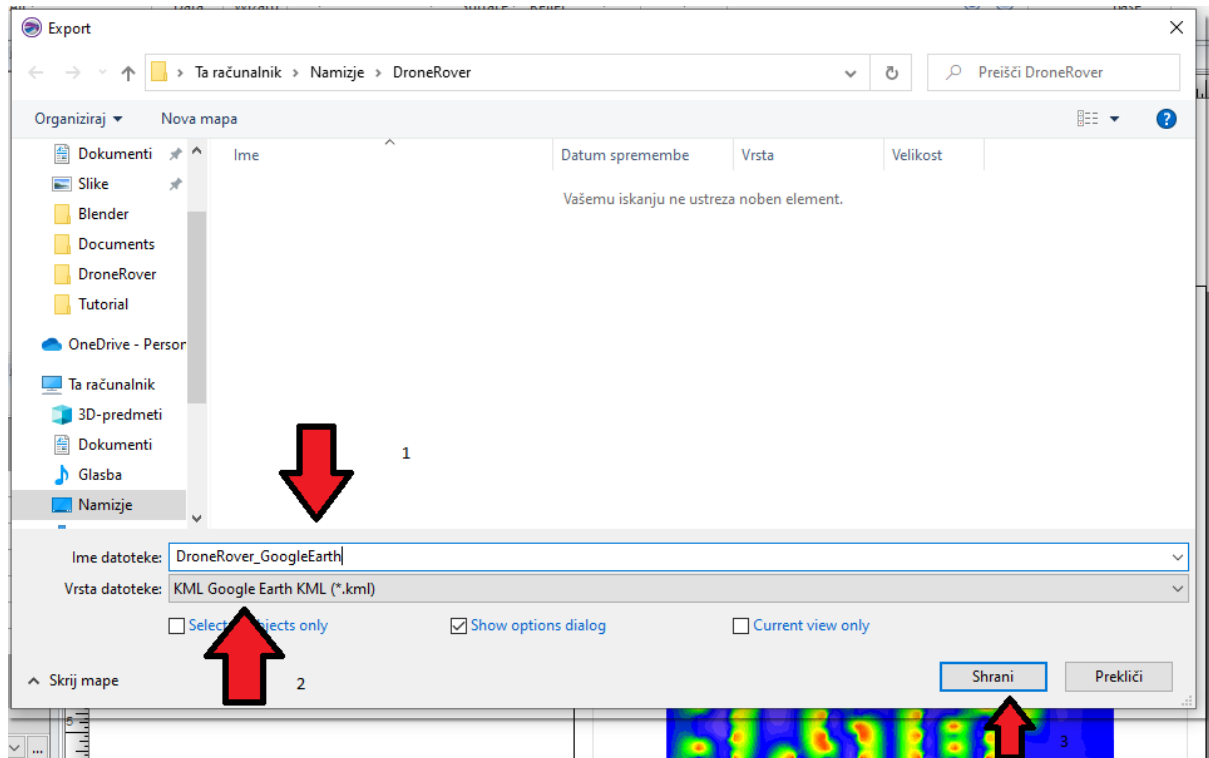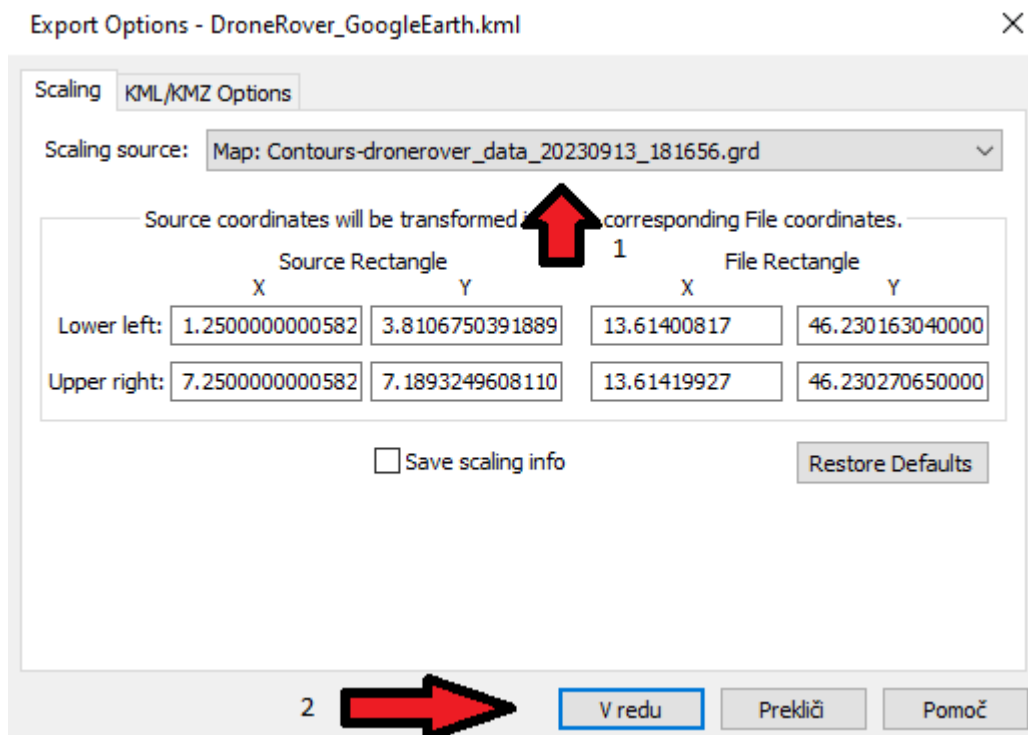
After clearing the options, choose File
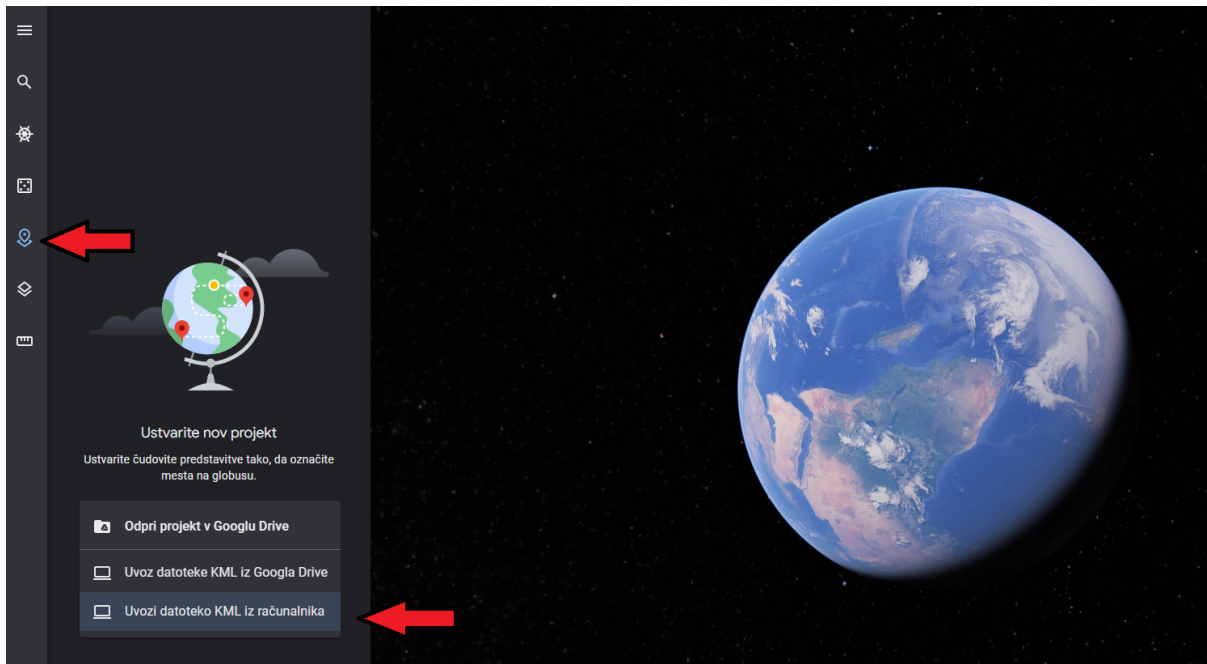

Click on Export

Enter the name of the file, select GoogleEarth KML format and click SAVE.

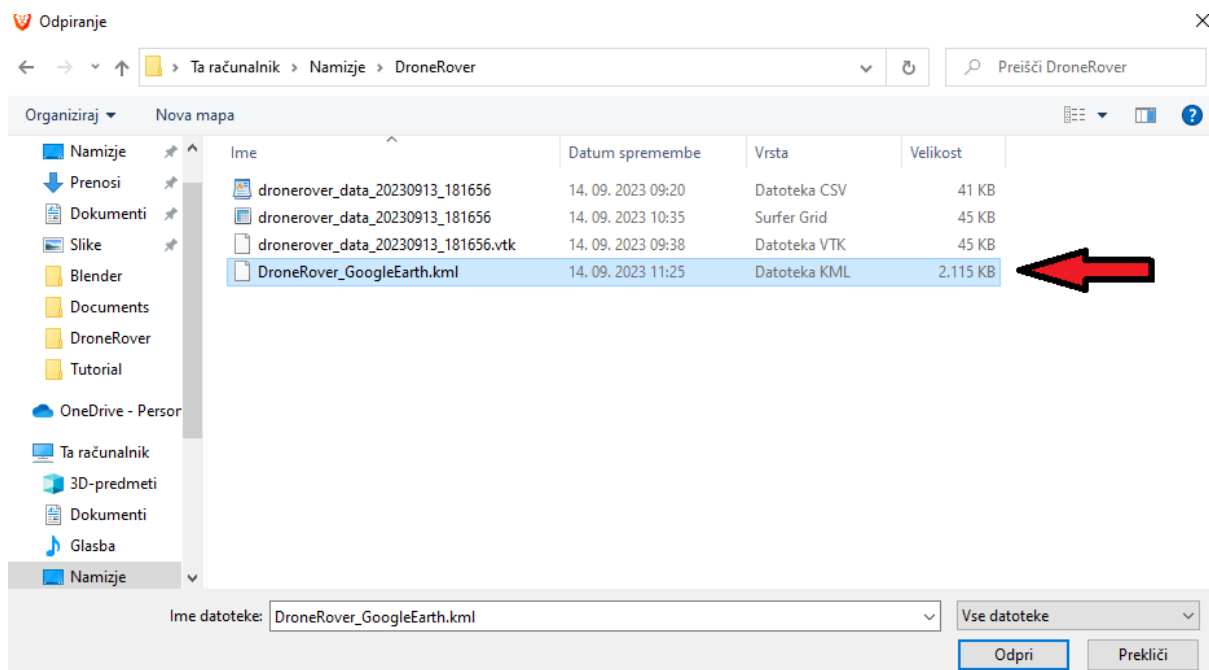Make sure that the scaling source is → Map: Coutours-[your_file_name]

To open Google Earth, open your browser and go to https://earth.google.com/
Select "Projects" and click Import KML file from the computer
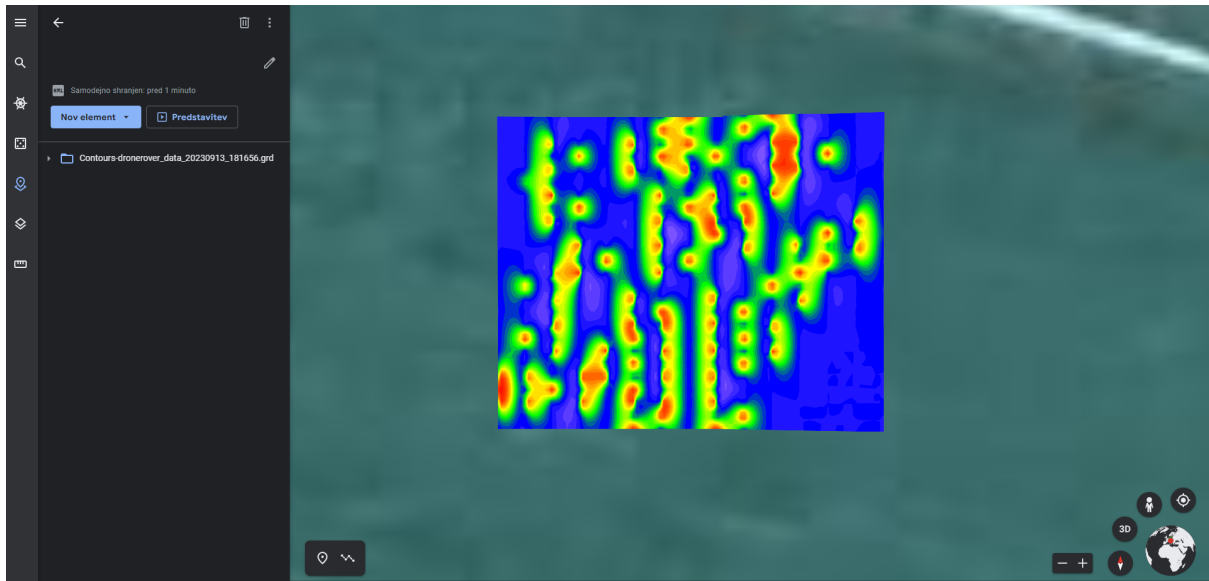

Import KML from computer

Select your file

And this is the final result. Full scan imported in Google Earth.

Final Result