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PLOT THE MINE

INSTALLATION GUIDE & USER MANUAL

DOCUMENT APPROVAL

	Name and Designation	Signature	Date
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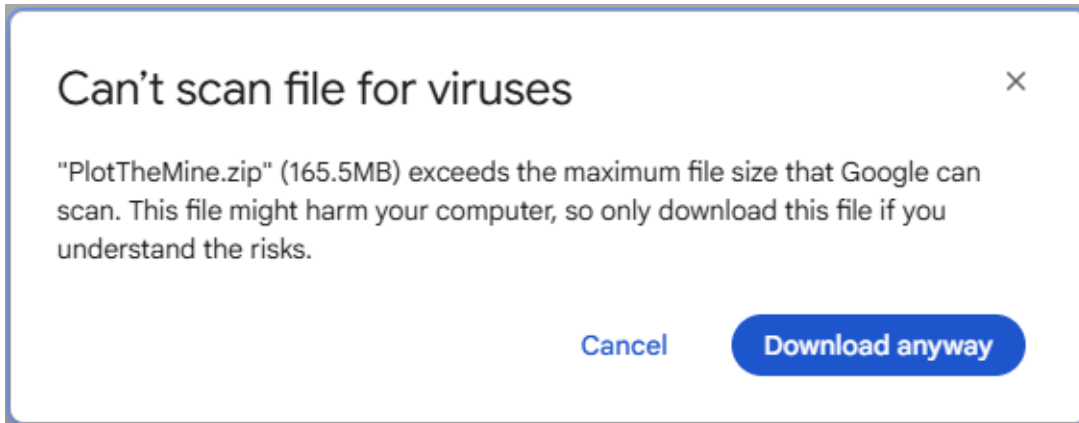
1. INSTALLING PLOT THE MINE SOFTWARE

Access the Google Drive server using the following link:

<https://drive.google.com/drive/u/0/folders/1fZwIWBP7B2RXHx09pNIb6IL4XNfa64J9>

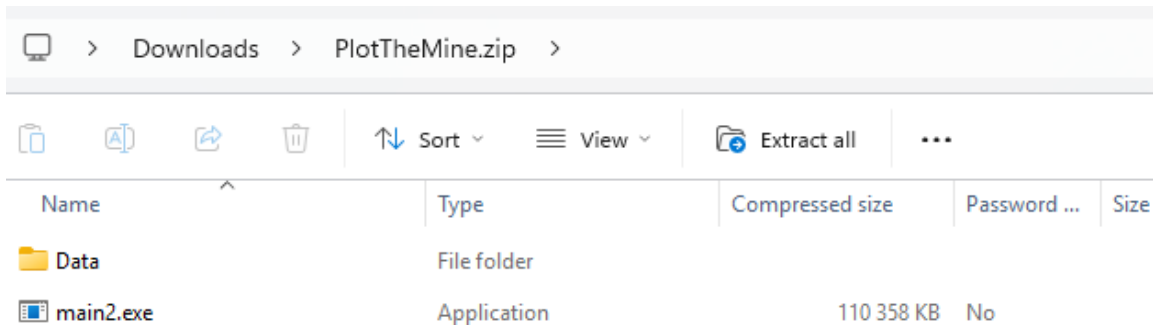
A file named "PlotTheMine.zip" will be visible.

Download the file (File Size: 165.5MB). The following warning will be displayed:

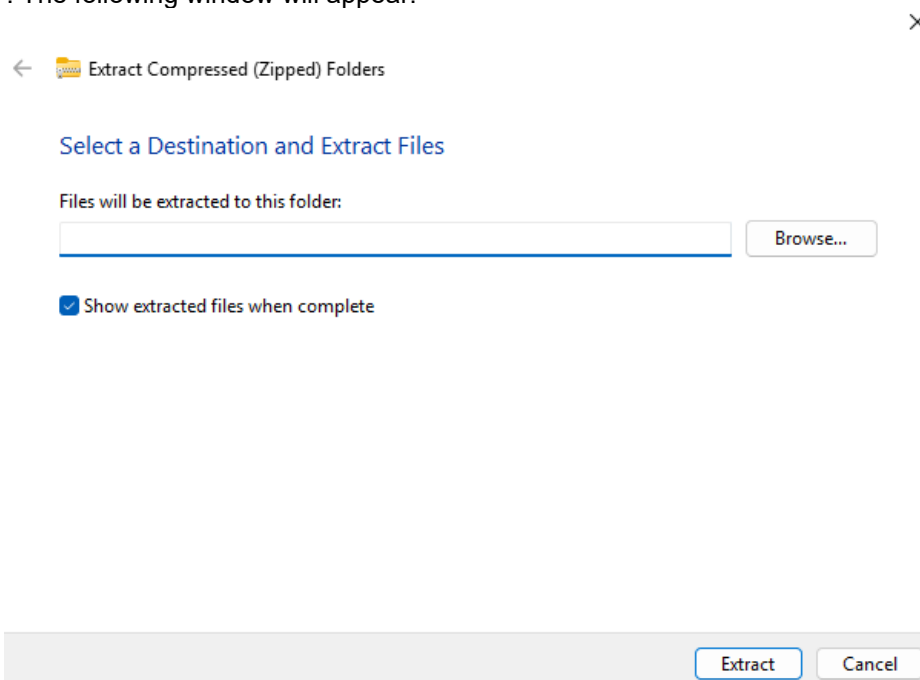


Click "Download anyway"

Once downloaded, the following two files will be visible:



Select "Extract all". The following window will appear:



Using the “Browse” function, choose a preferred location where the files will be saved.

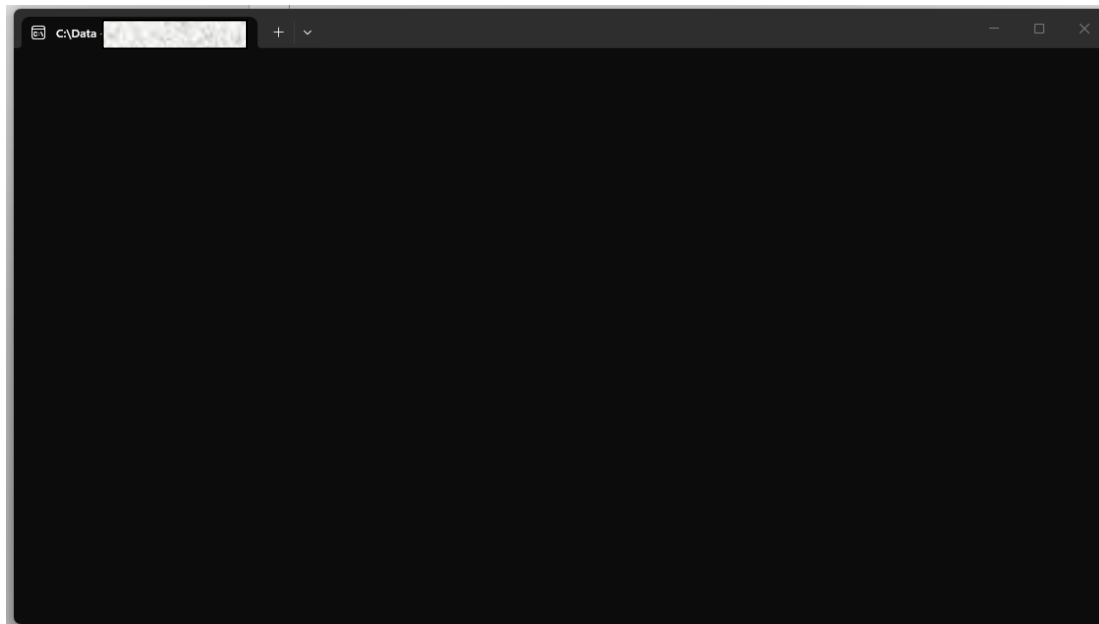
Click “Extract”

You are now ready to use the software.

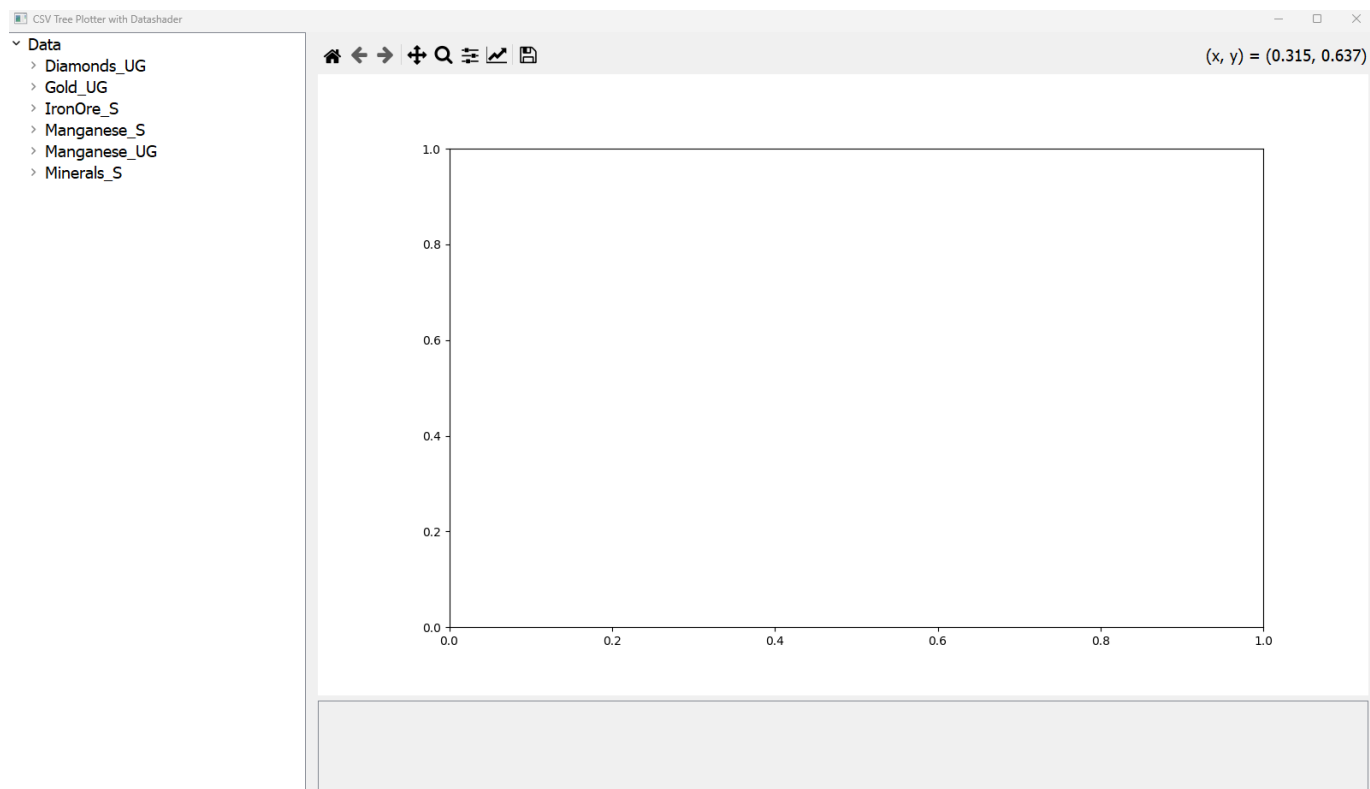
2. OPENING THE SOFTWARE

Open the file named “main2.exe”

The following window will appear:



After a few seconds, another window named “CSV Tree Plotter with Datashader” will open:



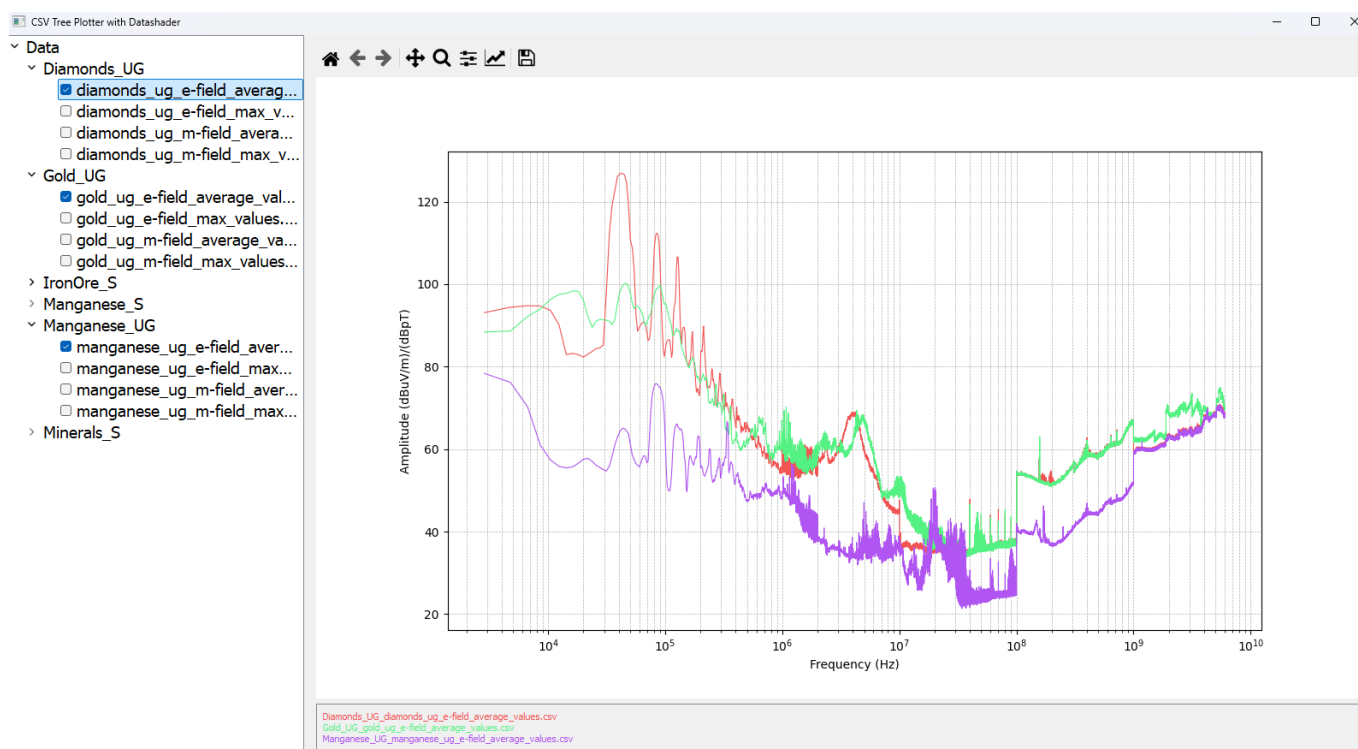
3. USING THE SOFTWARE

The data has been sorted into mineral resource type, and type of mine (Surface or Underground)

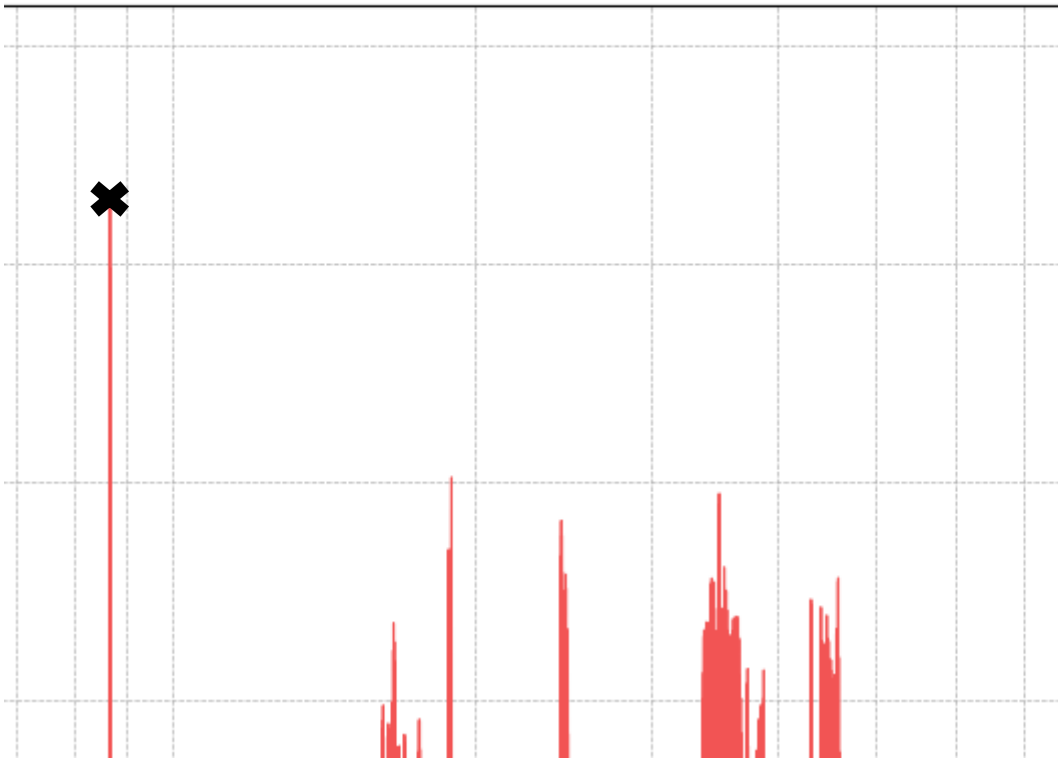
- ▼ Data
 - > Diamonds_UG
 - > Gold_UG
 - > IronOre_S
 - > Manganese_S
 - > Manganese_UG
 - > Minerals_S

Each drop-down arrow contains specific graphs, namely: Electric Field Maximum and Average values, and Magnetic Field Maximum and Average values. These graphs can be compared to one another, using the tick box to select and deselect the data.

The example below compares average electric field measurements across underground diamond, gold, and manganese mines:



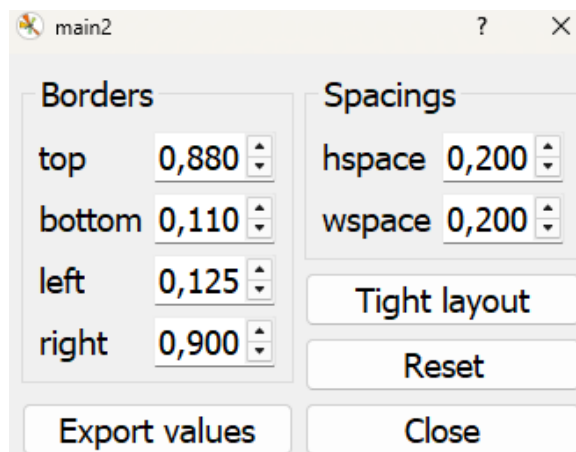
Hovering the mouse pointer over the graph will give the specific co-ordinates of a point.

$(x, y) = (8.69361e+08, 96.51)$


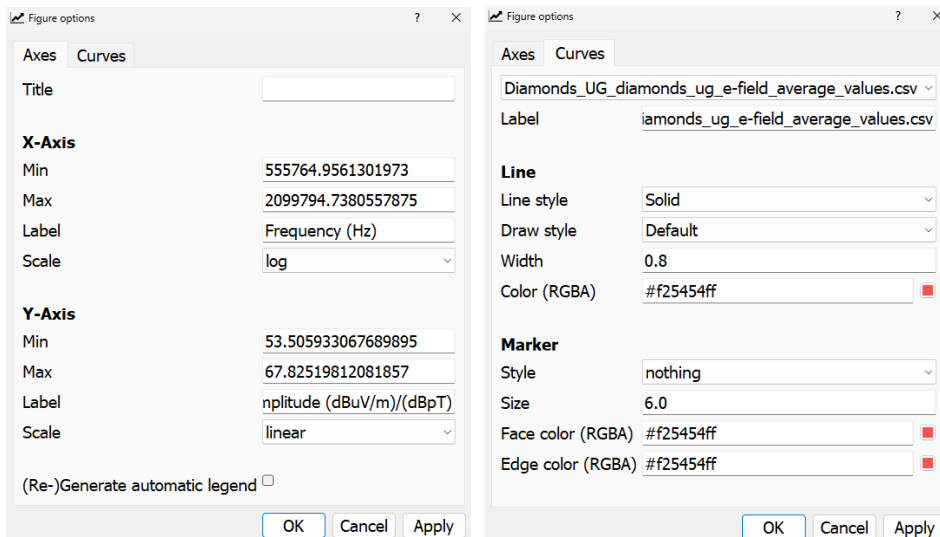
Use the following buttons to manipulate the graphs:



- 1) Reset original view
- 2) Back to previous view
- 3) Forward to next view
- 4) Move (left button pans, right button zooms - x/y axis stays fixed, CTRL fixes aspect)
- 5) Zoom (Draw rectangle to outline the are of interest, x/y axis does not stay fixed)
- 6) Configure subplots



7) Edit axis, curve and image parameters



8) Save as image

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