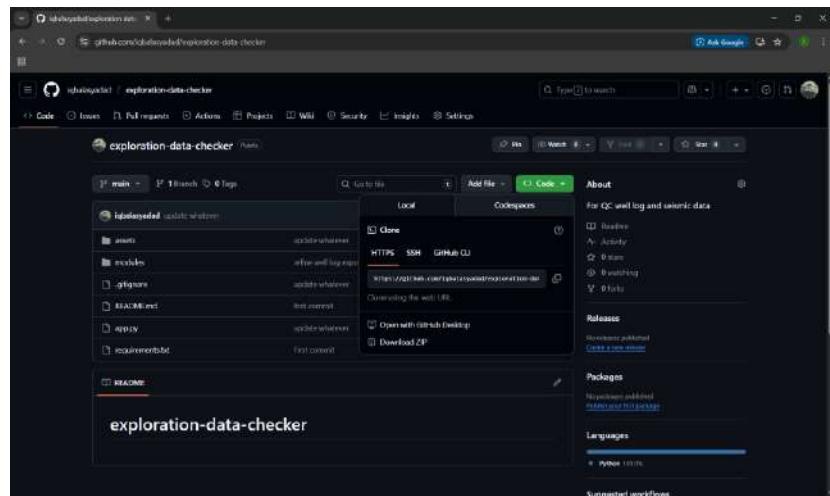


Exploration Data Checker User Guide

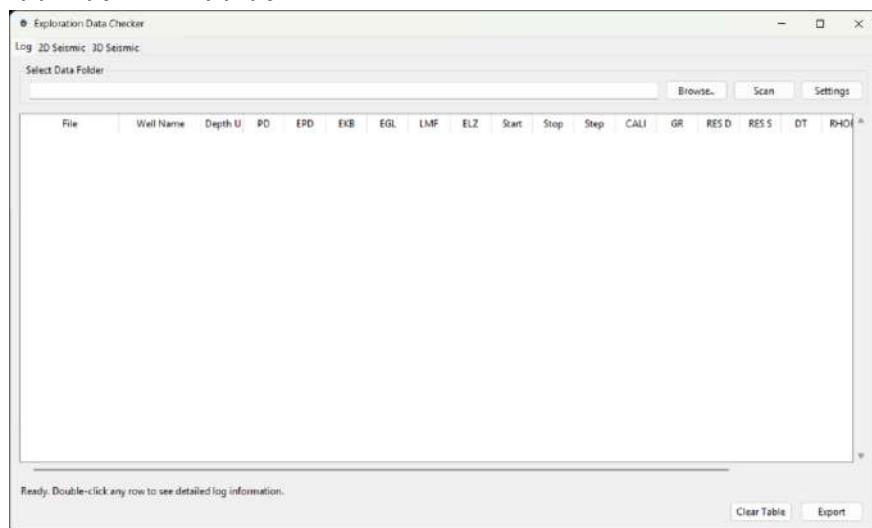
Download and Run.....	2
Log Data Checker.....	3
Seismic 2D Data Checker	5
Seismic 3D Data Checker	7

Download and Run

1. Go to <https://github.com/iqbalsyadad/exploration-data-checker>
2. On code section then download ZIP

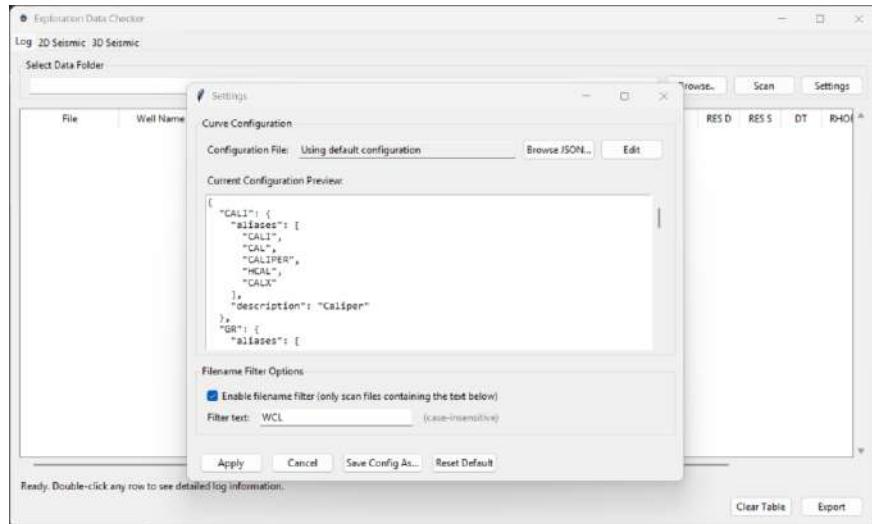


3. Extract the zip file, open the folder
4. Install the library required open cmd > go to folder path > pip install -r requirements.txt
5. Run the app > python app.py



Log Data Checker

1. Adjust the parameter > On tab Log > Settings > add curve parameter to be cheecker or add filter on log name

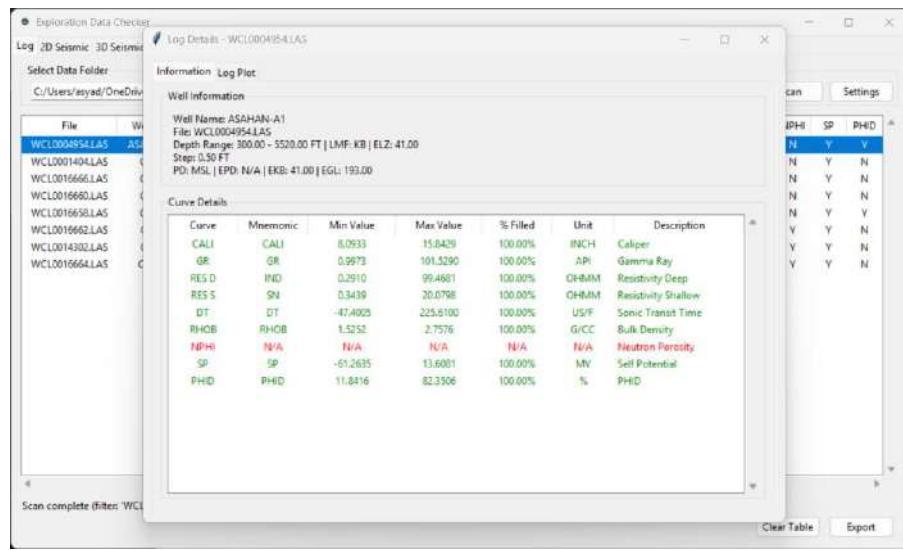


2. Choose the working folder > on tab Log > browse > OK > Scan

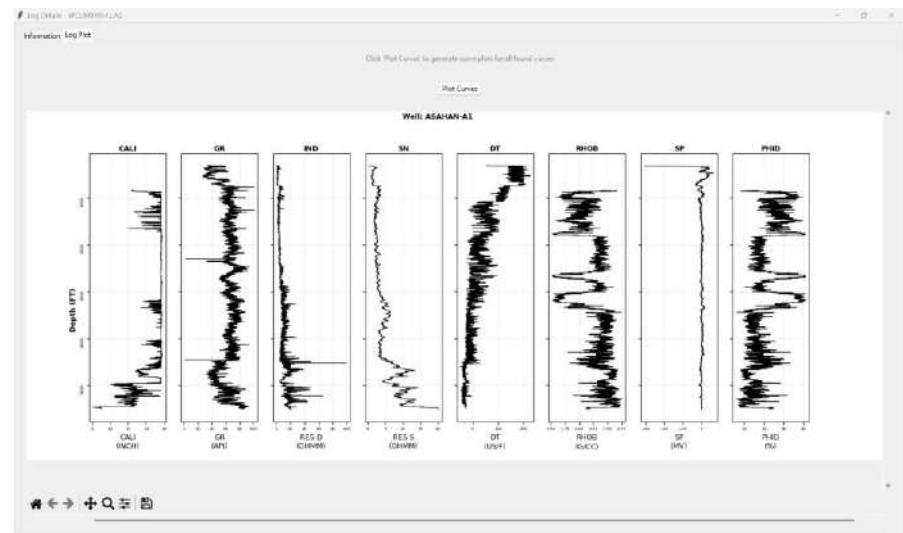
The screenshot shows the 'Log' tab of the Exploration Data Checker. It displays a table of LAS file data with columns: File, Well Name, Depth, PD, EPD, EKB, EGL, LMF, ELZ, Start, Stop, Step, CALI, GR, RES D, RES S, DT, RHOB, NPHI, SP, PHID. The table lists several LAS files, including WCL0004954LAS, ASAHAN-A1, CSB-A1, CSB-B1, CSB-C1, CSB-D1, CSB-E1, CSB-F1, and CSB-G-1. At the bottom of the table area, a message reads: 'Scan complete (filter: WCL): 8 LAS files, 0 complete, 0 with missing/invalid data. Double-click any row for details.'

File	Well Name	Depth	PD	EPD	EKB	EGL	LMF	ELZ	Start	Stop	Step	CALI	GR	RES D	RES S	DT	RHOB	NPHI	SP	PHID
WCL0004954LAS	ASAHAHAN-A1	FT	MSL	N/A	41.00	193.00	KB	41.00	300.00	5520.0	0.50	Y	Y	Y	Y	Y	N	Y	Y	
WCL0001404LAS	CSB-A1	FT	MSL	0.00	41.00	N/A	KB	41.00	30.00	2480.0	0.50	Y	Y	Y	Y	N	Y	N	Y	
WCL0016666LAS	CSB-B1	FT	MSL	N/A	41.00	N/A	KB	41.00	170.00	5710.0	0.50	Y	Y	Y	Y	Y	N	Y	N	
WCL0016660LAS	CSB-C1	FT	MSL	N/A	41.00	161.00	KB	41.00	280.00	4260.0	0.50	Y	Y	Y	Y	Y	N	Y	N	
WCL0016638LAS	CSB-D1	FT	MSL	N/A	30.00	-108.00	KB	30.00	230.00	6060.0	0.50	Y	Y	Y	Y	Y	N	Y	Y	
WCL0016662LAS	CSB-E1	FT	MSL	0.00	62.00	-8.00	KB	62.00	50.00	5730.0	0.50	Y	Y	Y	Y	Y	Y	Y	N	
WCL0014902LAS	CSB-F1	FT	MSL	5.00	56.00	0.00	KB	61.00	50.00	4940.0	0.50	Y	Y	Y	Y	Y	Y	Y	N	
WCL0016664LAS	CSB G-1	FT	MSL	0.00	54.80	-3.20	KB	54.80	70.00	6950.0	0.50	Y	Y	Y	N	Y	Y	Y	N	

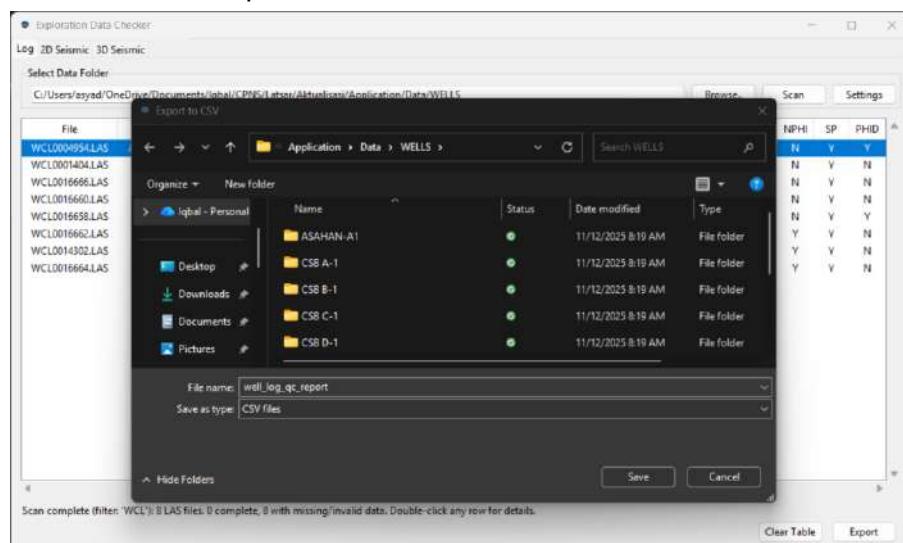
3. Double-click to show the details



4. Plot the log > on tab Log Plot > Plot Curves



5. Export the file to csv > Export > Save



Seismic 2D Data Checker

1. Choose the working folder > on tab 2D Seismic > browse > OK > Scan

The screenshot shows a software window titled "Exploration Data Checker" with the sub-tab "Log 2D Seismic 3D Seismic". A button "Select Seismic Data Folder" is visible. The main area displays a table of seismic data files:

File	Line Name	Traces	Samples	Interval (ms)	Length (ms)	Format
154_SP448-1.MV.sgy	154	920	876	4.00	3580	IBM Float
210-1_SP410-1.MV.sgy	210(1)	465	1251	4.00	5000	IBM Float
210-2_SP413-728.MV.sgy	210(2)	341	1251	4.00	5000	IBM Float
214_SP1-911.MV.sgy	214	936	1201	4.00	4800	IBM Float
214_SP912-1714.MV.sgy	214	854	1201	4.00	4800	IBM Float
74-522-1_SP838-934.MV.sgy	74-522-1	220	731	4.00	3000	IBM Float

Scan complete: 6/6 SEGY files processed successfully. Double-click any row for detailed QC.

Buttons at the bottom: Clear Table, Export.

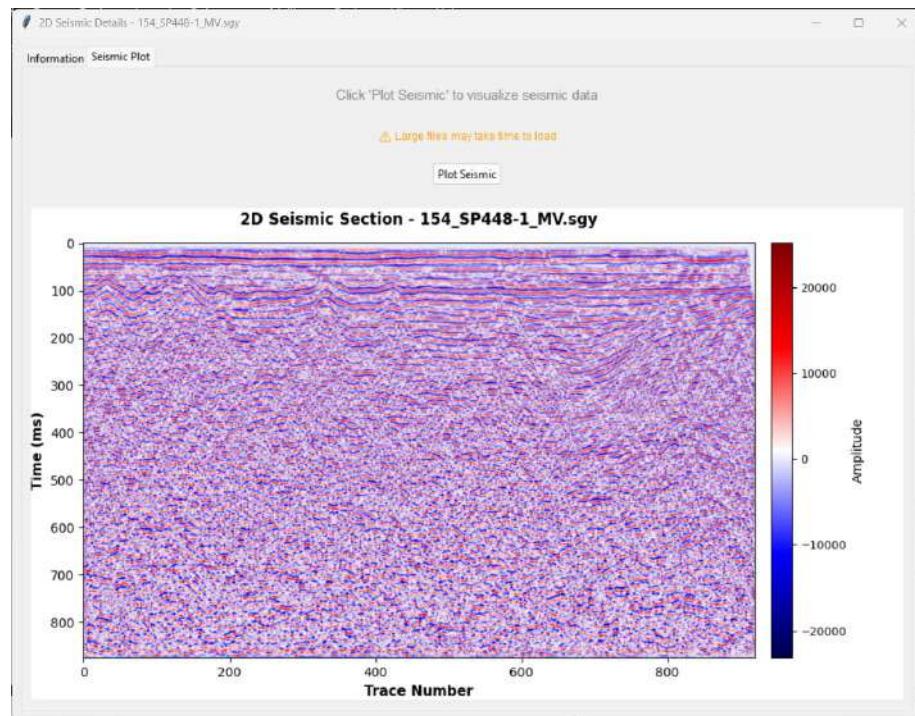
2. Double-click to show the details

The screenshot shows a dialog box titled "2D Seismic Details - 154_SP448-1.MV.sgy". It has tabs for "Information" and "Seismic Plot". The "Information" tab is selected, displaying the following details:

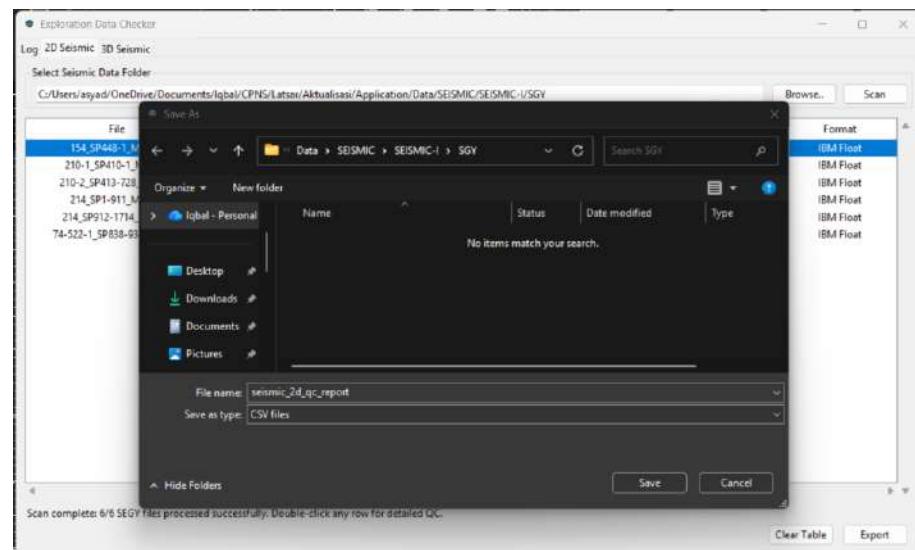
Property	Value
Filename	154_SP448-1.MV.sgy
Line Name	154
Format	4-byte IBM floating-point
Trace Count	920
Samples per Trace	876
Sample Interval (ms)	4.000
CDP Range	1 - 920
Coordinate Range X	616144.00 to 636557.00
Coordinate Range Y	361944.00 to 387762.00
Amplitude Range	-21212.7500 to 20518.3125
RMS Amplitude	5859.1460
Nyquist Frequency	125.00 Hz
Dominant Frequency	16.27 Hz
Null/Dead Traces	0 (0.00%)
Trace Length Uniformity	Uniform
Clipping Detected	No
Average Trace Spacing (m)	36.02
Min Trace Spacing (m)	30.02
Max Trace Spacing (m)	58.31
Straight Line Distance (m)	32912.91
Est. Total Line Length (km)	33.032
Line Sinuosity	1.004
Line Shape	Straight
Coordinate Order	Sequential
Binary	SEG-Y Rev 1
Format Code	1 (IBM Float)
Trace Sorting	Unknown
Endian Type	Little Endian
Measurement System	Meters

Buttons at the bottom: Close.

3. Plot the 2D Seismic > on tab Seismic Plot > Plot Seismic

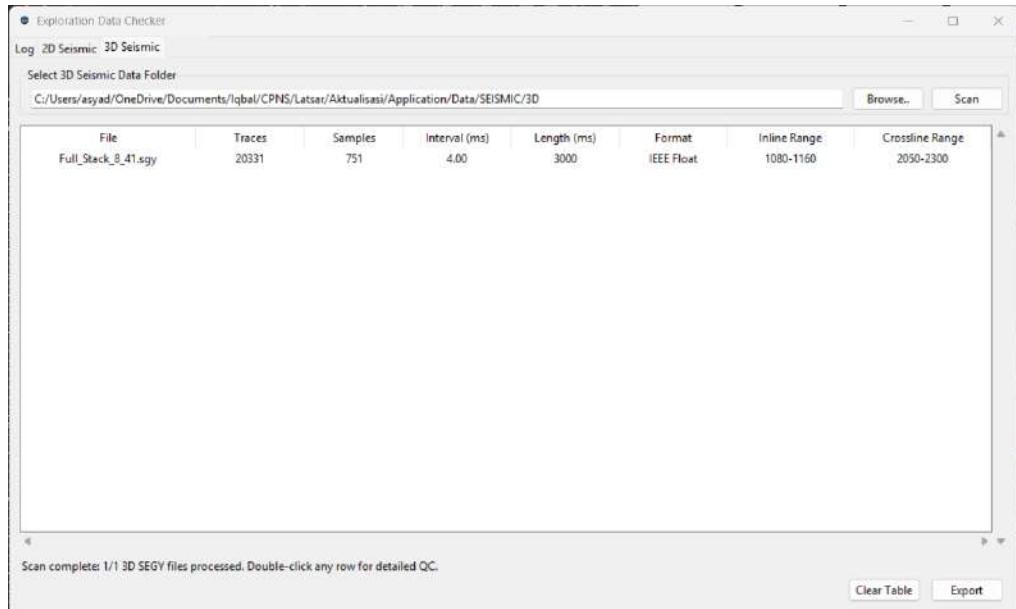


4. Export the file to csv > Export > Save

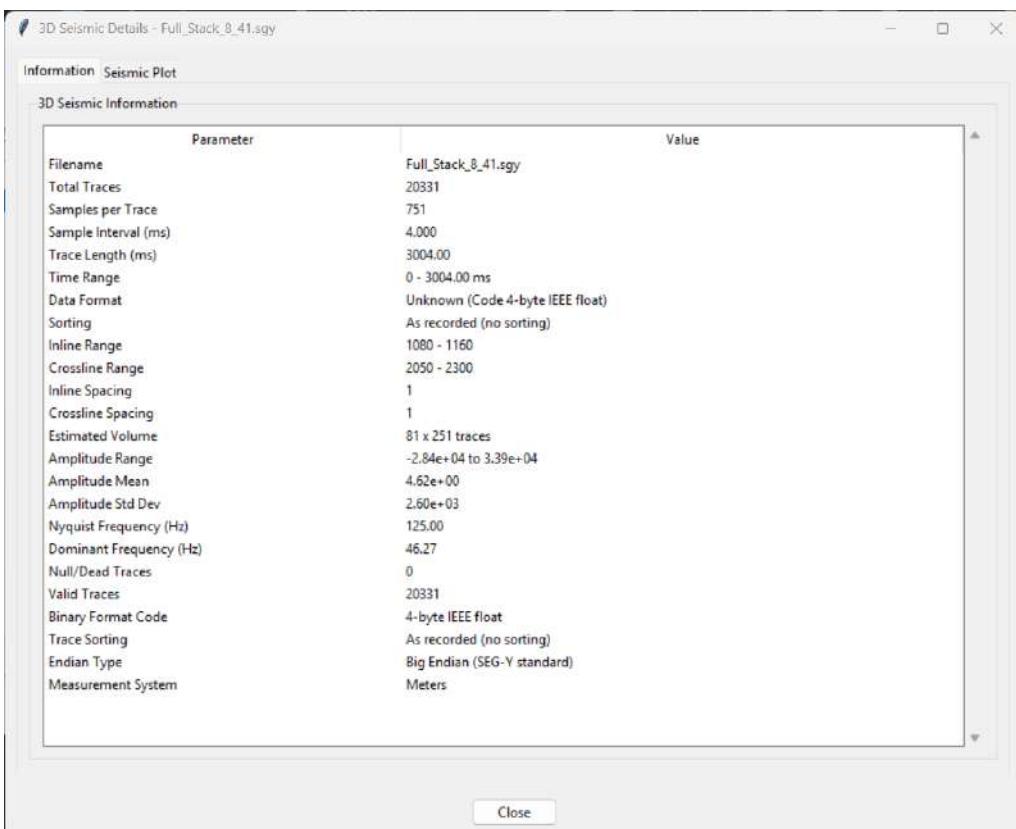


Seismic 3D Data Checker

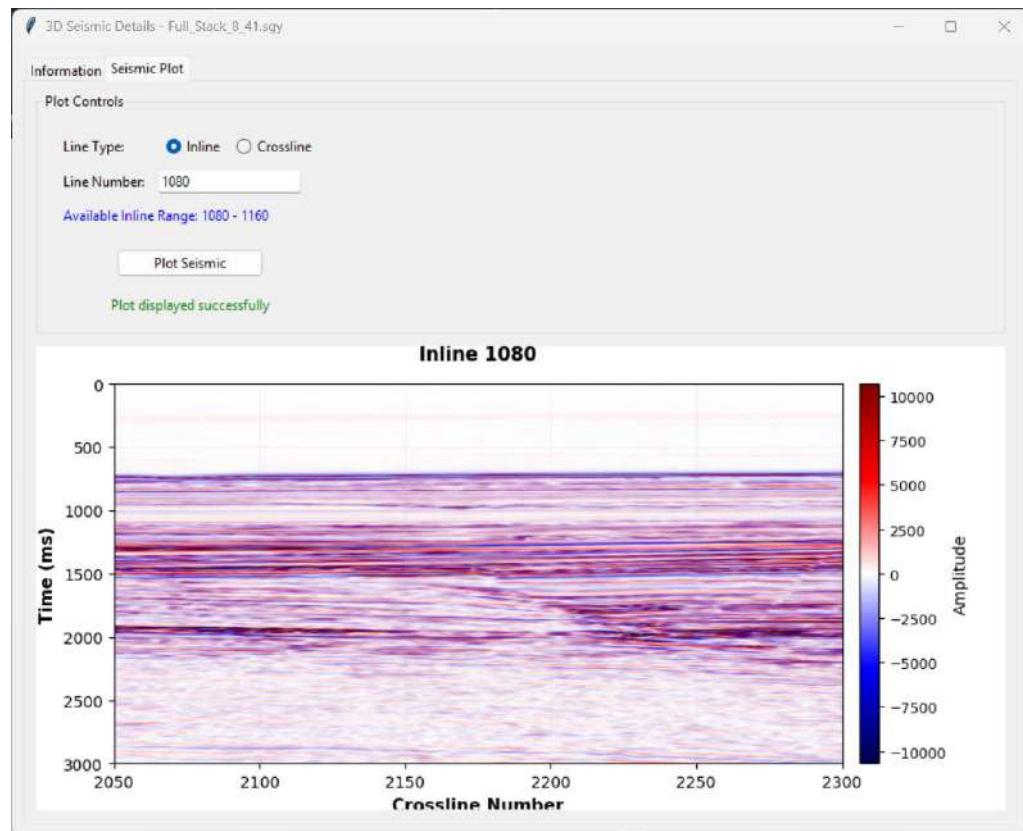
1. Choose the working folder > on tab 3D Seismic > browse > OK > Scan



2. Double-click to show the details



3. Plot the 3D Seismic (Inline or Crossline) > on tab Seismic Plot > Choose between Inline or Crossline > Input the line number > Plot Seismic



4. Export the file to csv > Export > Save

