# III. Results

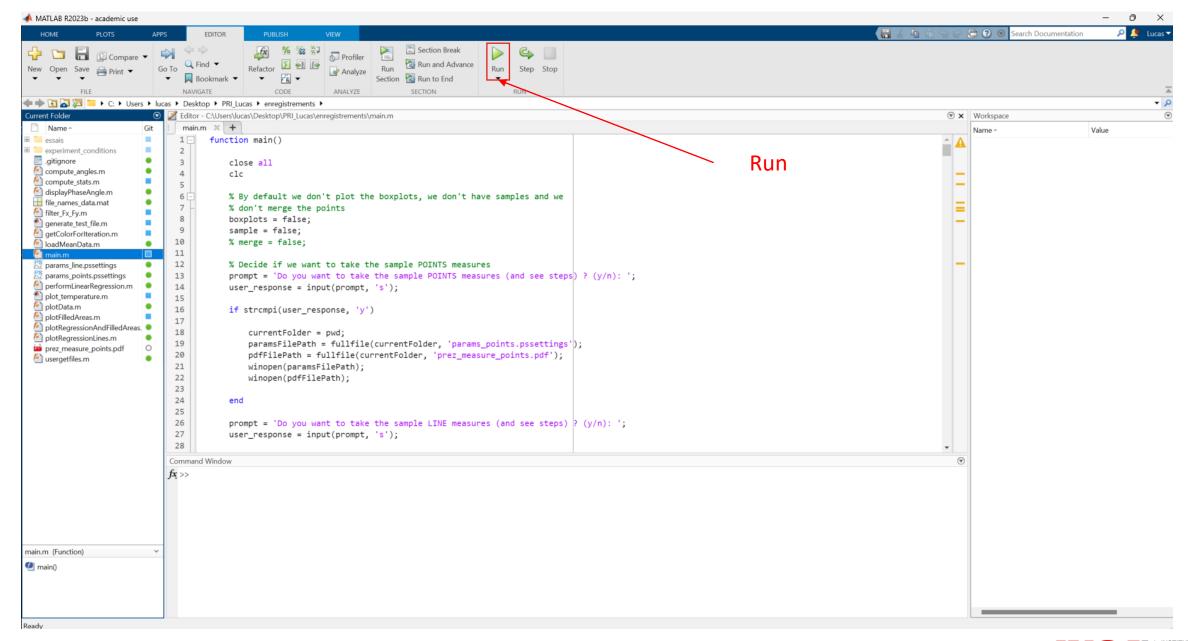
Run this

b) Demonstration – Take line measures

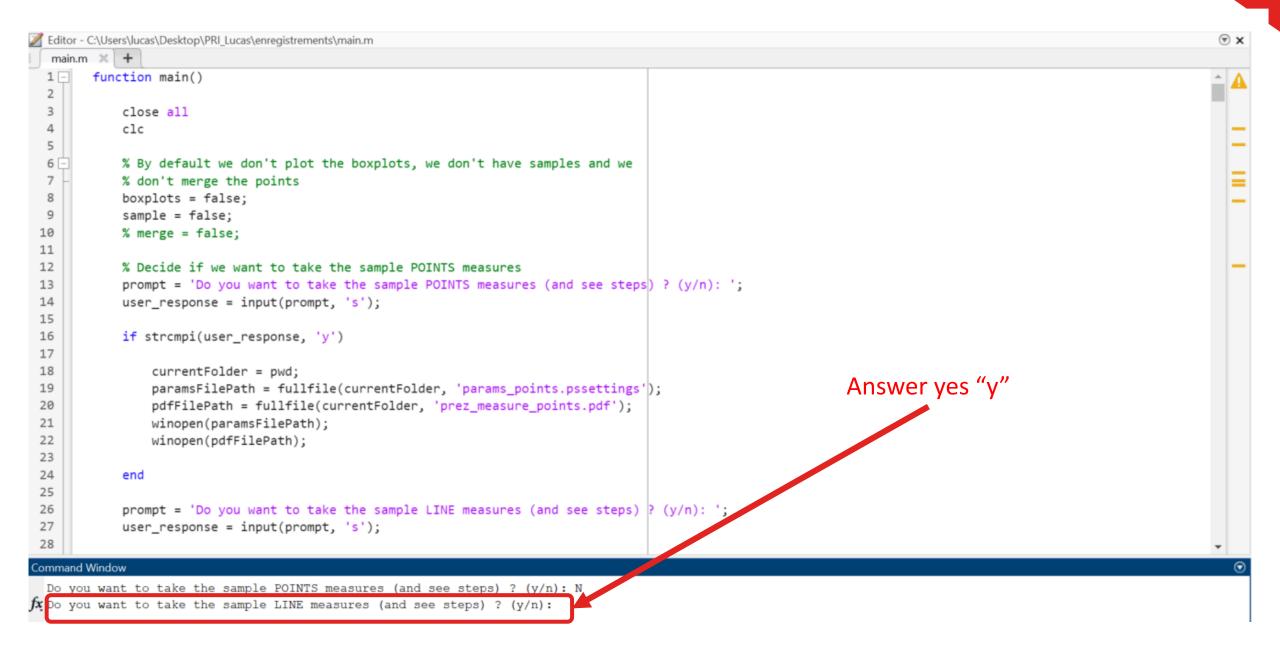
Nom	Modifié le	Type Tai	lle
essais	04/06/2024 14:46	Dossier de fichiers	
experiment_conditions	04/06/2024 11:18	Dossier de fichiers	
☑ .gitignore	21/05/2024 10:04	Fichier GITIGNORE	1 Ko
tompute_angles.m	10/04/2024 09:41	MATLAB Code	1 Ko
file compute_stats.m	04/06/2024 11:10	MATLAB Code	5 Ko
fill displayPhaseAngle.m	03/06/2024 15:25	MATLAB Code	1 Ko
file_names_data.mat	03/06/2024 14:19	MATLAB Data	1 Ko
filter_Fx_Fy.m	04/06/2024 11:06	MATLAB Code	1 Ko
figenerate_test_file.m	04/06/2024 11:15	MATLAB Code	4 Ko
f getColorForkeration.m	04/06/2024 16:49	MATLAB Code	1 Ko
load Mean Data.m	10/04/2024 09:39	MATLAB Code	1 Ko
1 main.m	04/06/2024 15:06	MATLAB Code	27 Ko
🌅 params_line.pssettings	31/05/2024 14:54	PicoScope 7 Data file	4 Ko
🔀 params_points.pssettings	22/05/2024 11:12	PicoScope 7 Data file	4 Ko
figure performLinearRegression.m	10/04/2024 09:40	MATLAB Code	1 Ko
f plot_temperature.m	04/06/2024 11:32	MATLAB Code	5 Ko
plotData.m	04/06/2024 15:41	MATLAB Code	1 Ko
f plotFilledAreas.m	04/06/2024 11:04	MATLAB Code	1 Ko
f plotRegressionAndFilledAreas.m	17/05/2024 16:21	MATLAB Code	1 Ko
figure plotRegressionLines.m	10/04/2024 09:40	MATLAB Code	1 Ko
prez_measure_points.pdf	16/04/2024 10:54	Microsoft Edge PDF Document	1 019 Ko
usergetfiles.m	10/04/2024 17:17	MATLAB Code	1 Ko



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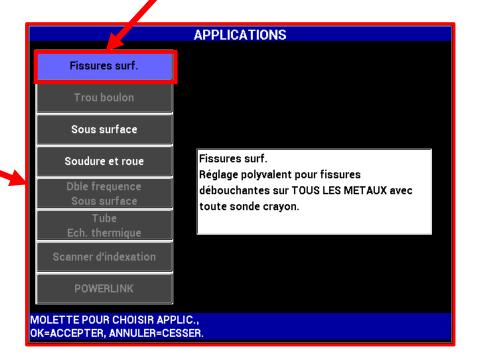


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## Select application "Fissures surf."



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## Set:

• Gain H = 50 dB

• Gain V = 44 dB

### Set:

• FREQ 500KHz





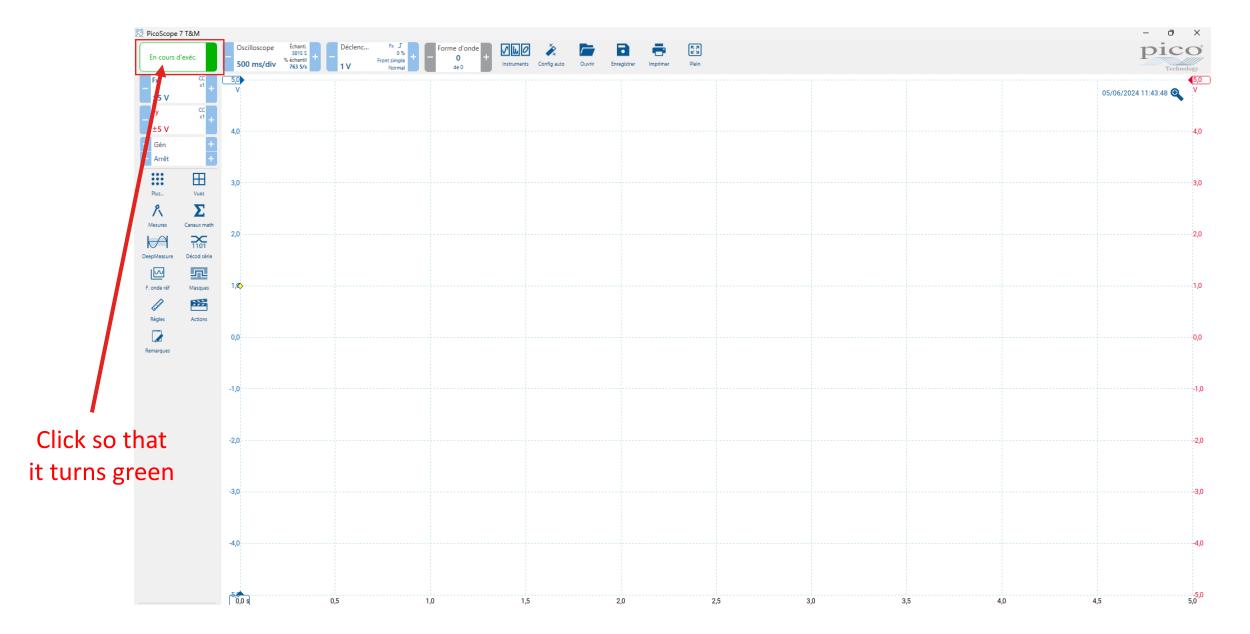
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Set the zero while holding the probe in the air





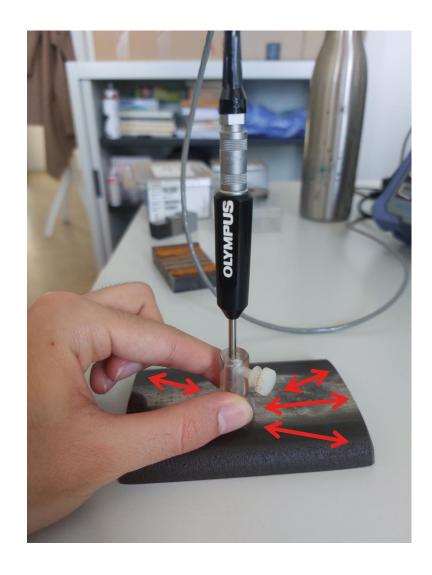
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#### • Step : **Measure**

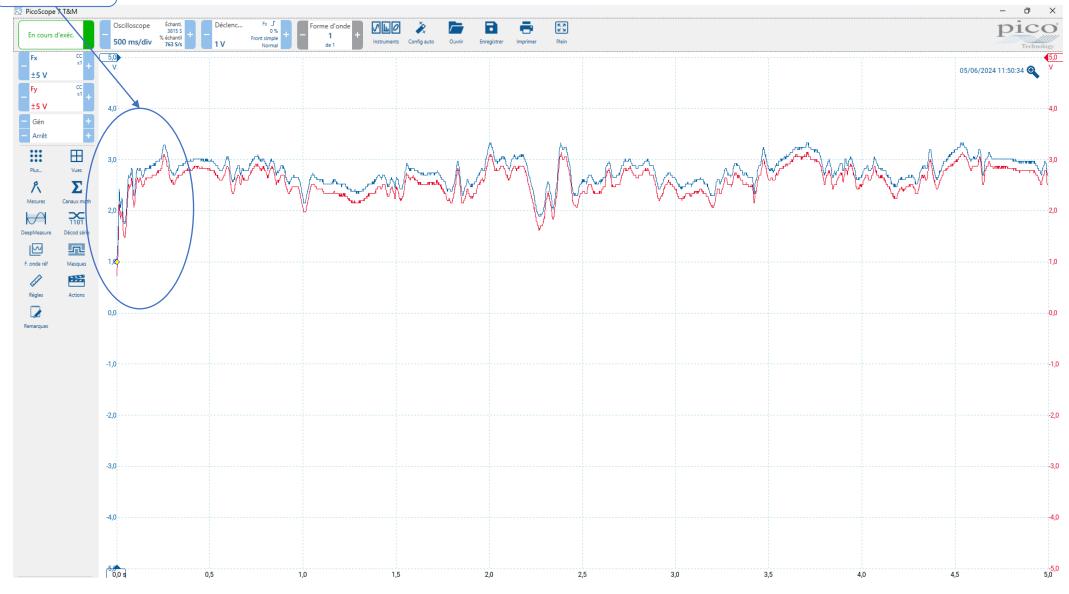


Try to maintain perpendicularity by pressing the **adjustable collar**, move the probe during ~5 seconds in all directions



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# Trigger

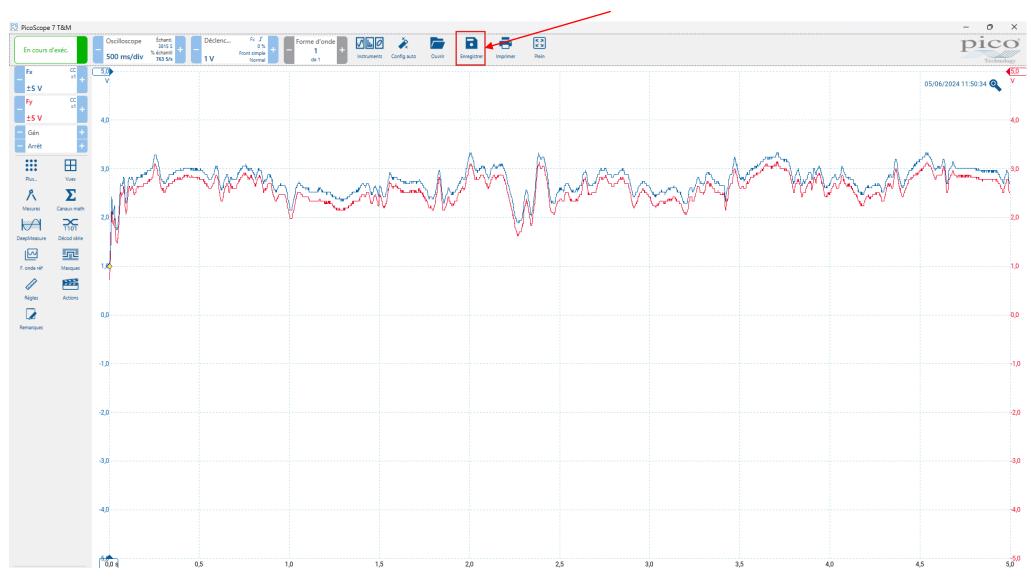




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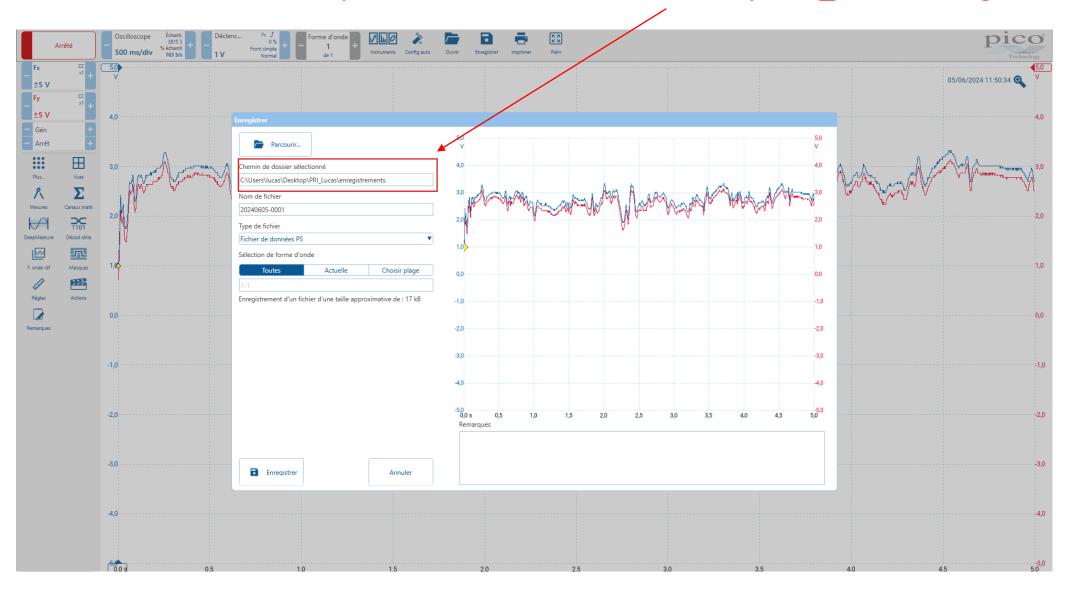
• Step : Save







• Step: Save Here choose path: ['C:\Users\',user,'\Desktop\PRI\_Lucas\enregistrements\']



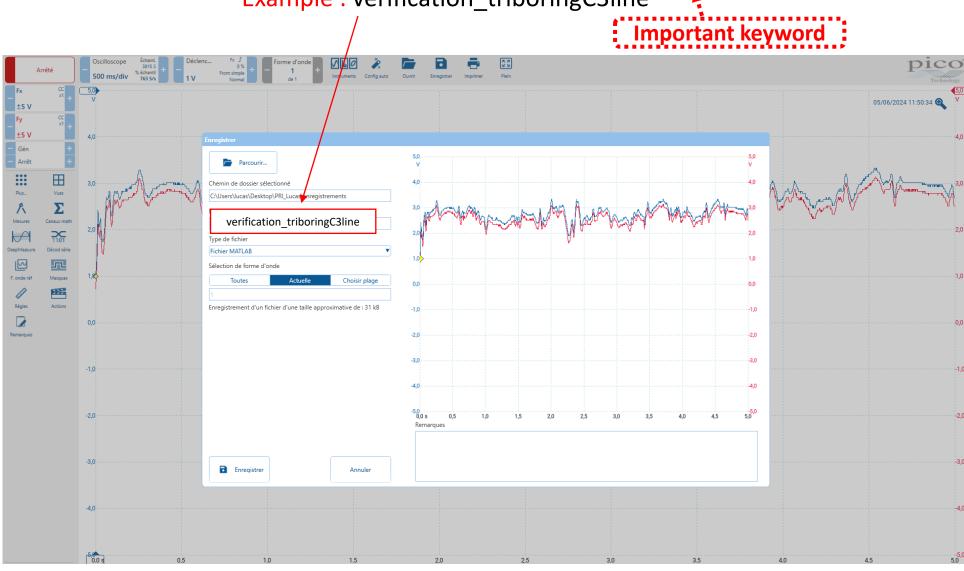


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• Step : **Save** 

Here file name : {type}\_{sample name}line {sample index}

Example : verification\_triboringC3line



#### Types:

- verification
- calibration

# Sample name: "Only calibration" names!:

- perlite
- martensite
- WEL

Don't use these names on verification!

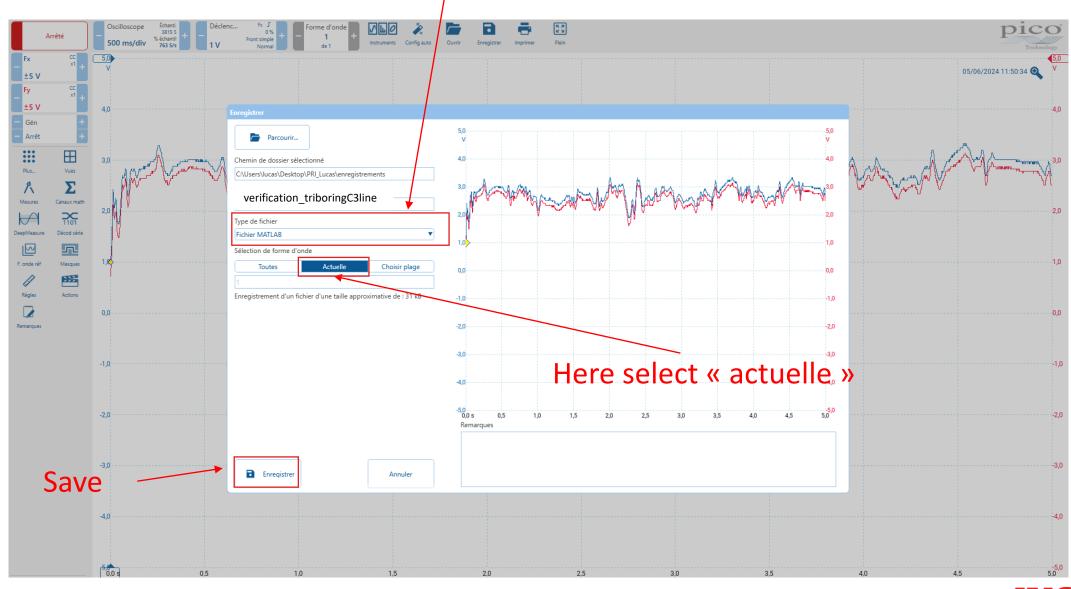
Sample index:
Not mandatory, each sample here is a line with thousands of points



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• Step : Save

Here select MATLAB (.mat)





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