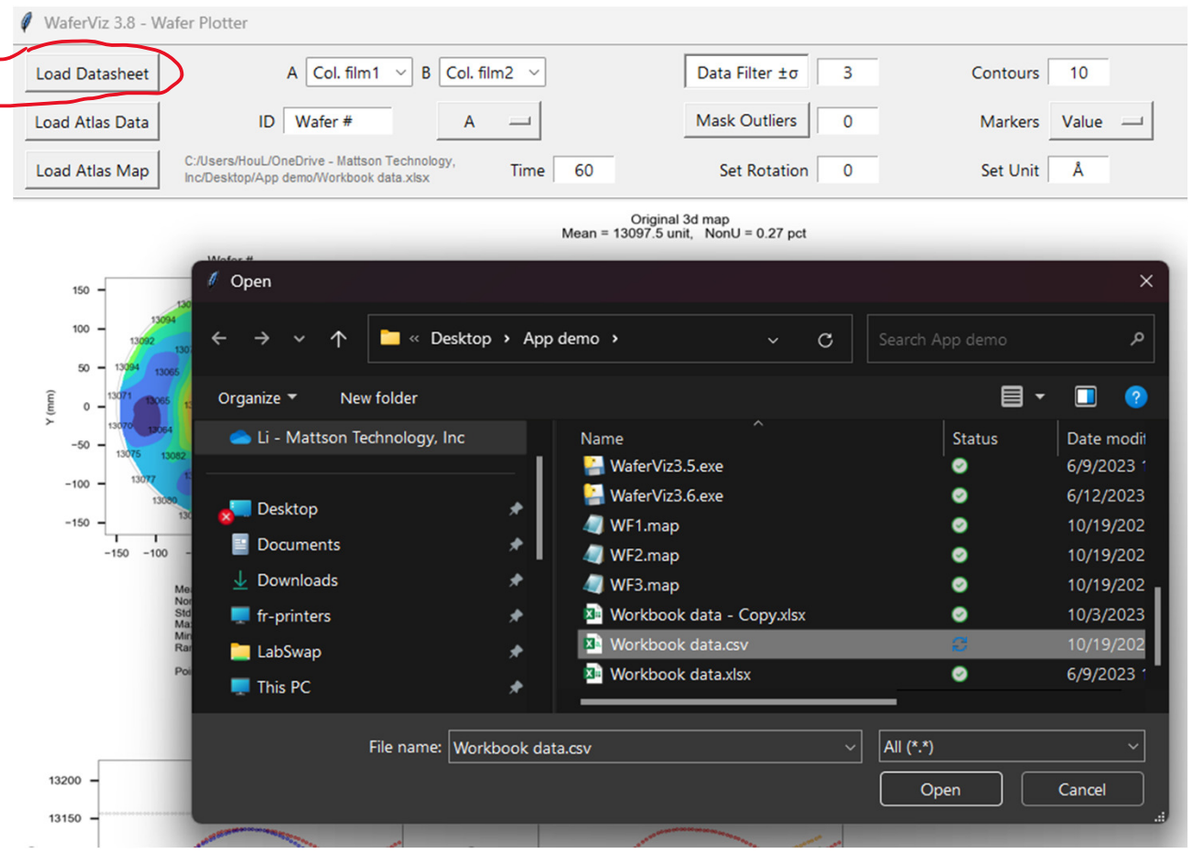
Step1: Loading Data from Datasheets You Prepared - Choice 1

- Copy and paste your raw data into Excel or CVS sheet with columns: x, y, data1, data2, … , as shown below:
- Column A and B are reserved for (x, y) coordination. All other columns are for measurement data.
- The first row is for column labels as you can put notes there or leave it blank.
- Don’t put anything on unoccupied cells to avoid errors.
- You must close the datasheet before loading otherwise it won’t work.
- Click “Load Datasheet” to load.

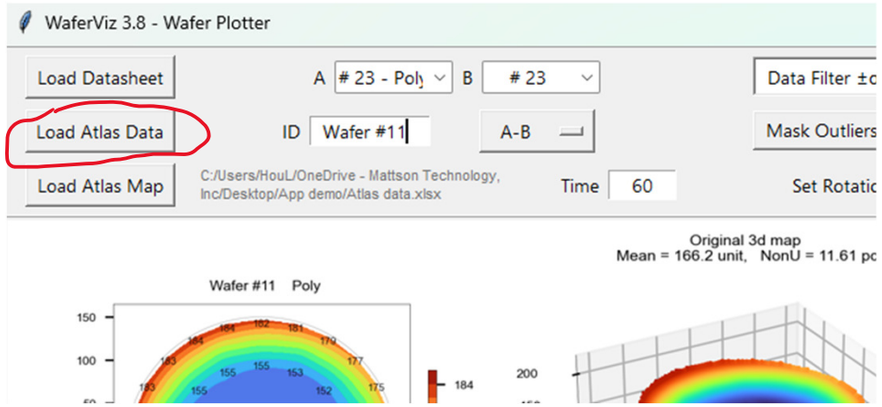
	A	B	C	D	E	F	G	H	I
1	X(mm)	Y(mm)	film1	film2	film3	film4	film5		
2	0	0	13135.69	2079.12					
3	5.972	48.635	13111.55	2294.179					
4	38.613	30.167	13116.88	2278.79					
5	48.635	-5.972	13120.88	2246.208					
6	30.167	-38.612	13113.9	2265.52					
7	-5.971	-48.635	13114.53	2246.741					
8	-38.612	-30.168	13118.67	2253.023					
9	-48.635	5.971	13115.66	2288.533					
10	-30.168	38.612	13113.75	2285.452					
11	11.943	97.27	13079.07	2480.762					
12	48.257	85.295	13084.27	2452.029					
13	77.225	60.335	13096.35	2457.121					
14	94.436	26.189	13099.27	2466.867					
15	97.27	-11.943	13091.73	2407.786					
16	85.295	-48.257	13090.14	2453.966					
17	60.335	-77.225	13088.93	2446.428					
18	26.19	-94.436	13082.76	2473.871					
19	-11.943	-97.27	13087.95	2401.834					
20	-48.257	-85.295	13070.16	2437.254					
21	-77.225	-60.335	13082.41	2501.554					
22	-94.436	-26.19	13063.96	2611.412					
23	-97.27	11.943	13064.91	2661.207					
24	-85.295	48.257	13065.05	2624.74					
25	-60.335	77.225	13076.72	2540.244					

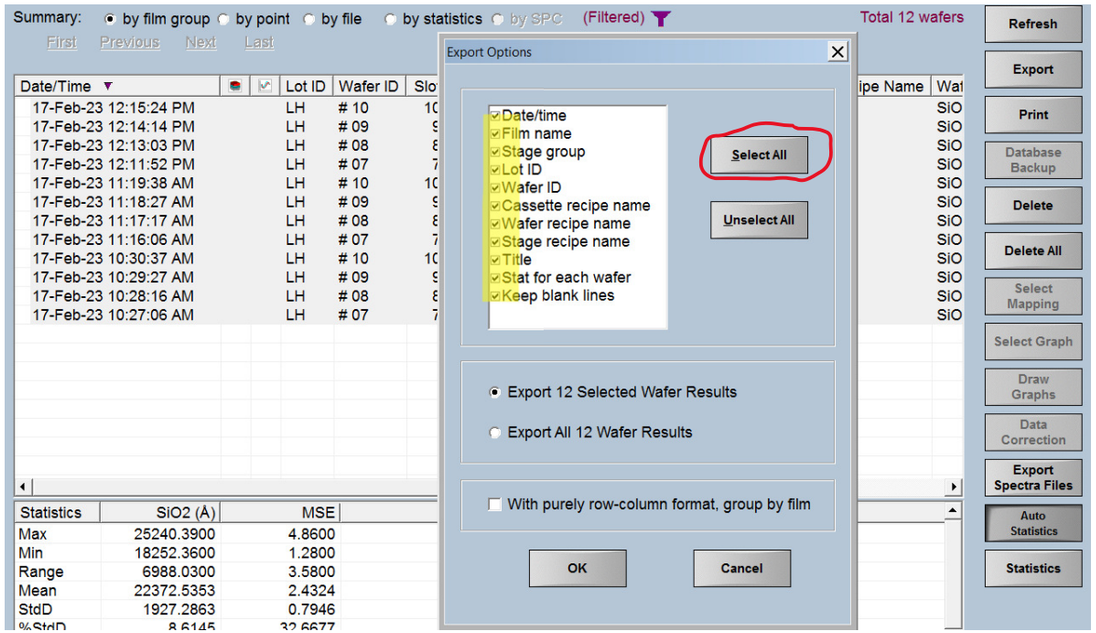
Example

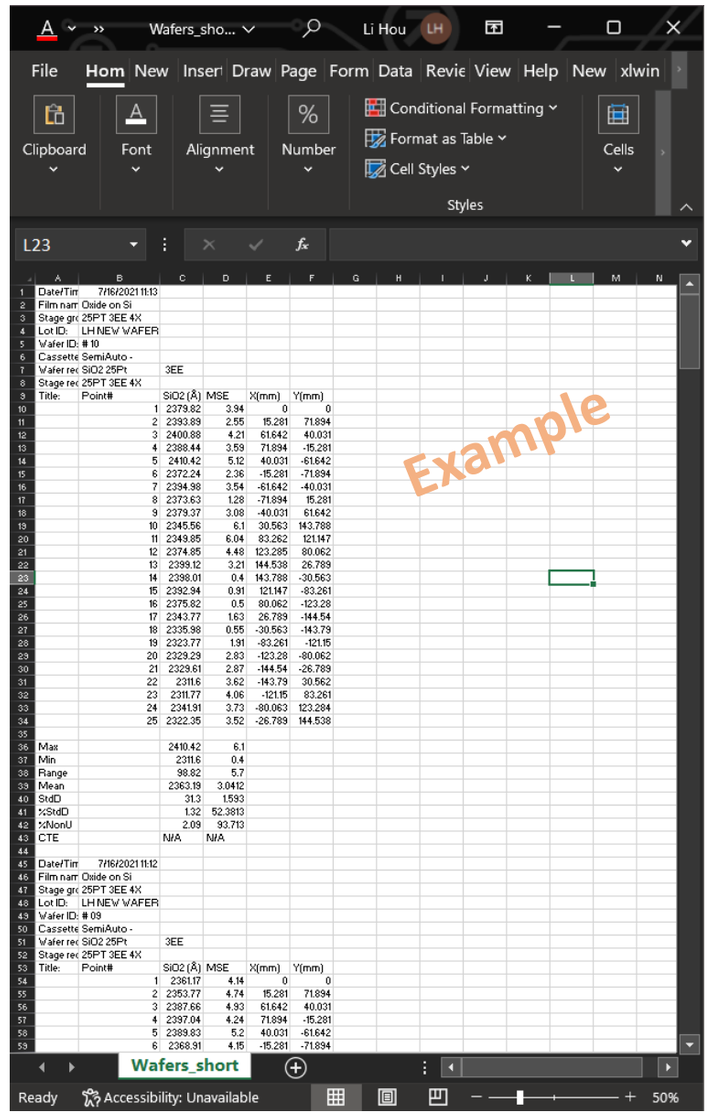


Step1: Loading Data from Exported Atlas Data - Choice 2

- On Atlas tool screen click “Export” and “Select All” button as shown below.
- Click “Load Atlas Data” to select exported files from the server.
- Keep the data file closed otherwise it won’t work.
- The exported raw data are shown in far right.

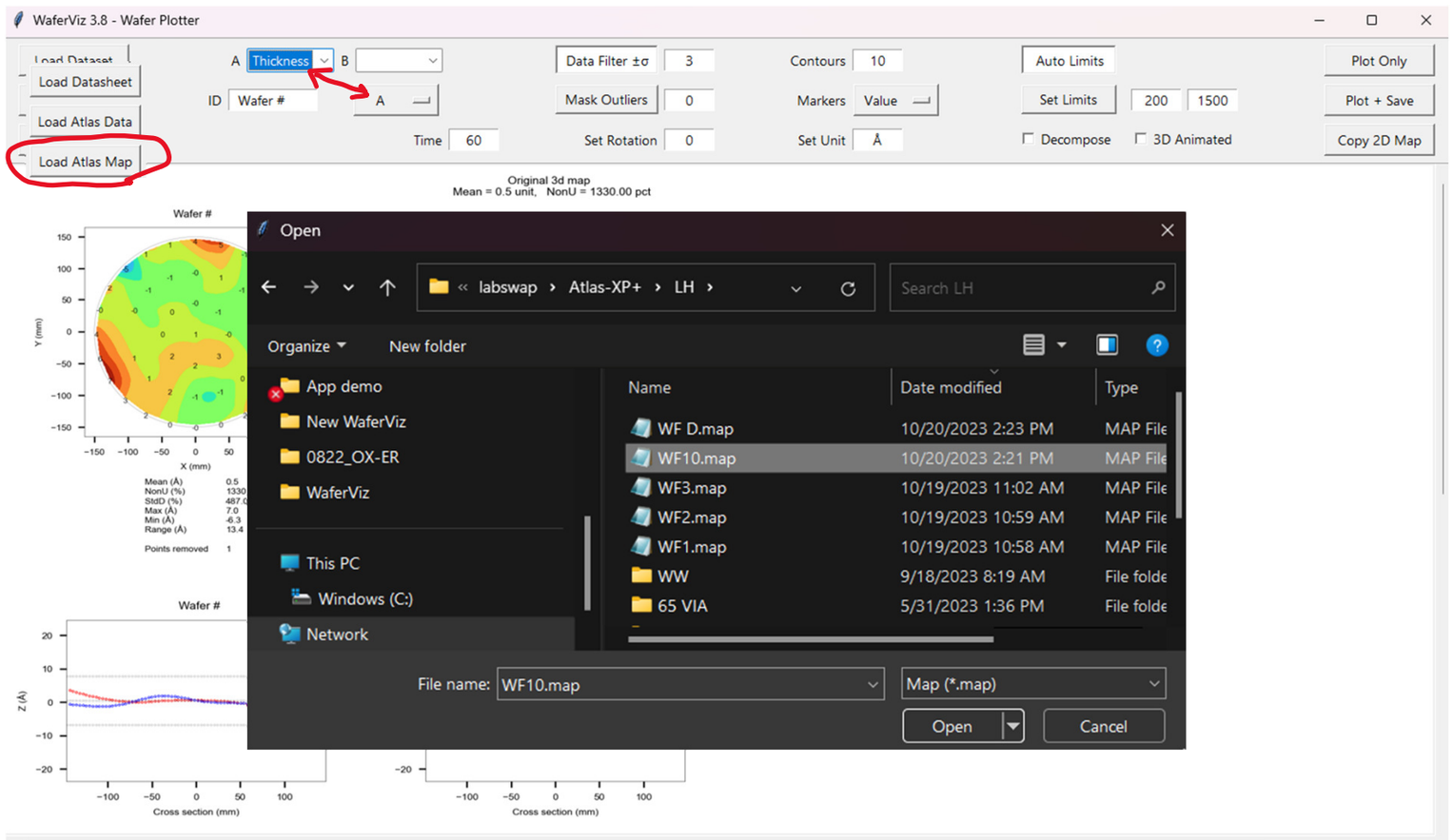


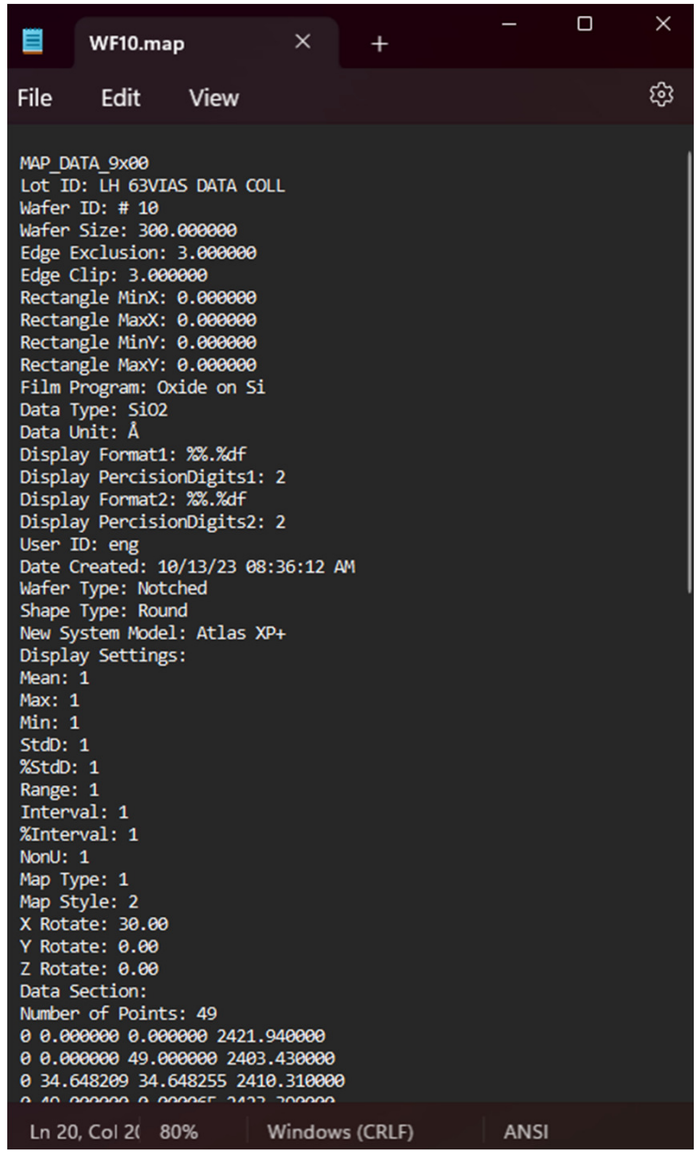




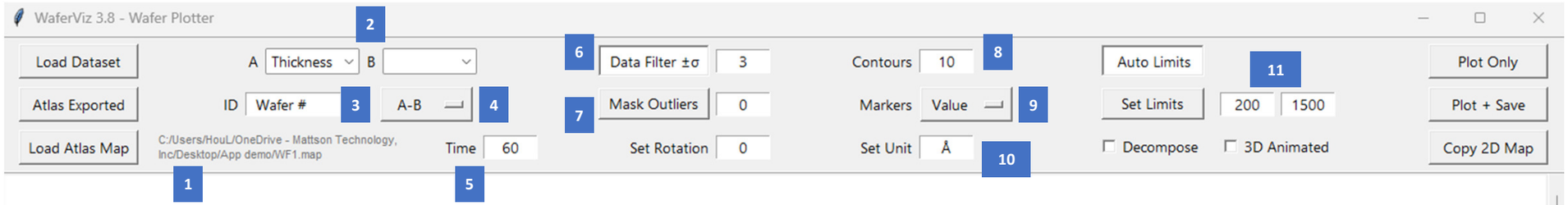
Step1: Loading Data from Atlas Map Files - Choice 3

- Click “Load Atlas Map” and select map files from the server.
- Since there is only one dataset involved so select “Thickness” for “A” and select “A” from dropdown button (or “A/t” if you want to calculate the rate).
- The map file looks like in left when it is opened by Notepad.



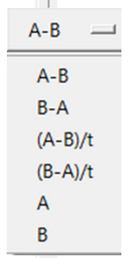


Step2: Configuring Settings.

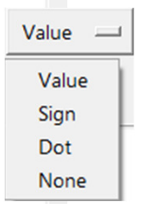


1. The path to files.
2. A, B can be two films of pre-process and post-process.
3. You can enter the ID.
4. Operators, see right side.
5. You can enter process time to get rates but need to select (A-B)/t or (B-A)/t to be effective.
6. Default “Data Filter ±σ” is set ±3σ. Beyond that the data points will be excluded. The number of excluded points is shown in the contour map.
7. If “Mask Outliers” is pressed, you can find sigma value in the contour map according to the number of points you’ve removed.
8. You can enter the number of contours from 1 to 100 for the contour map.
9. Marker choices for the contour map, see right side.
10. The default unit is Å. You can change it to any physical units such as °C, Ohm/sq, etc.
11. If “Set Limits” is pressed, You can define lower limit and up limit.

4. Operators:

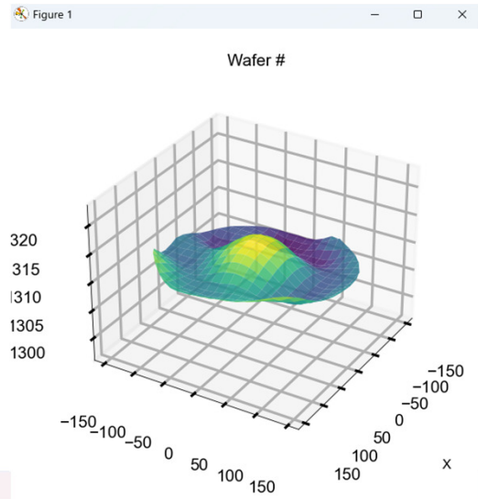


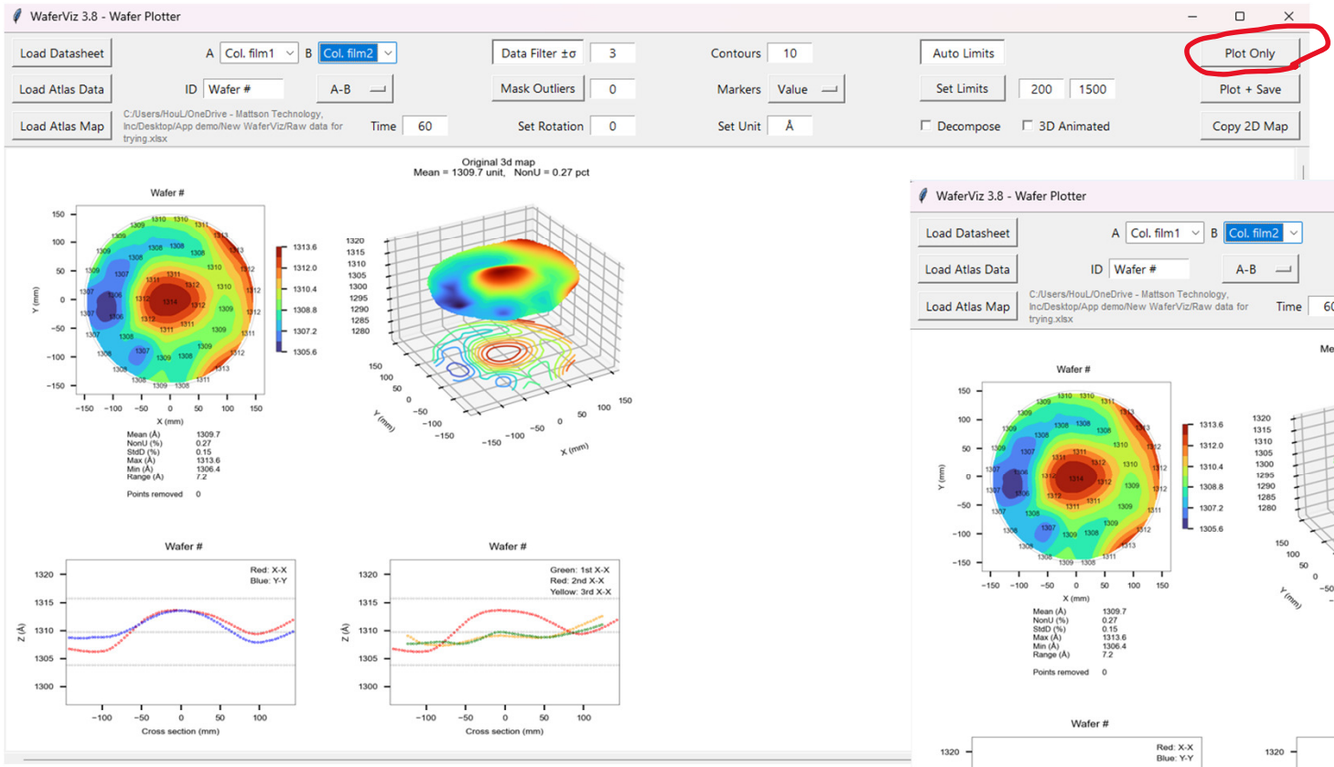
9. Marker choices for the contour map:

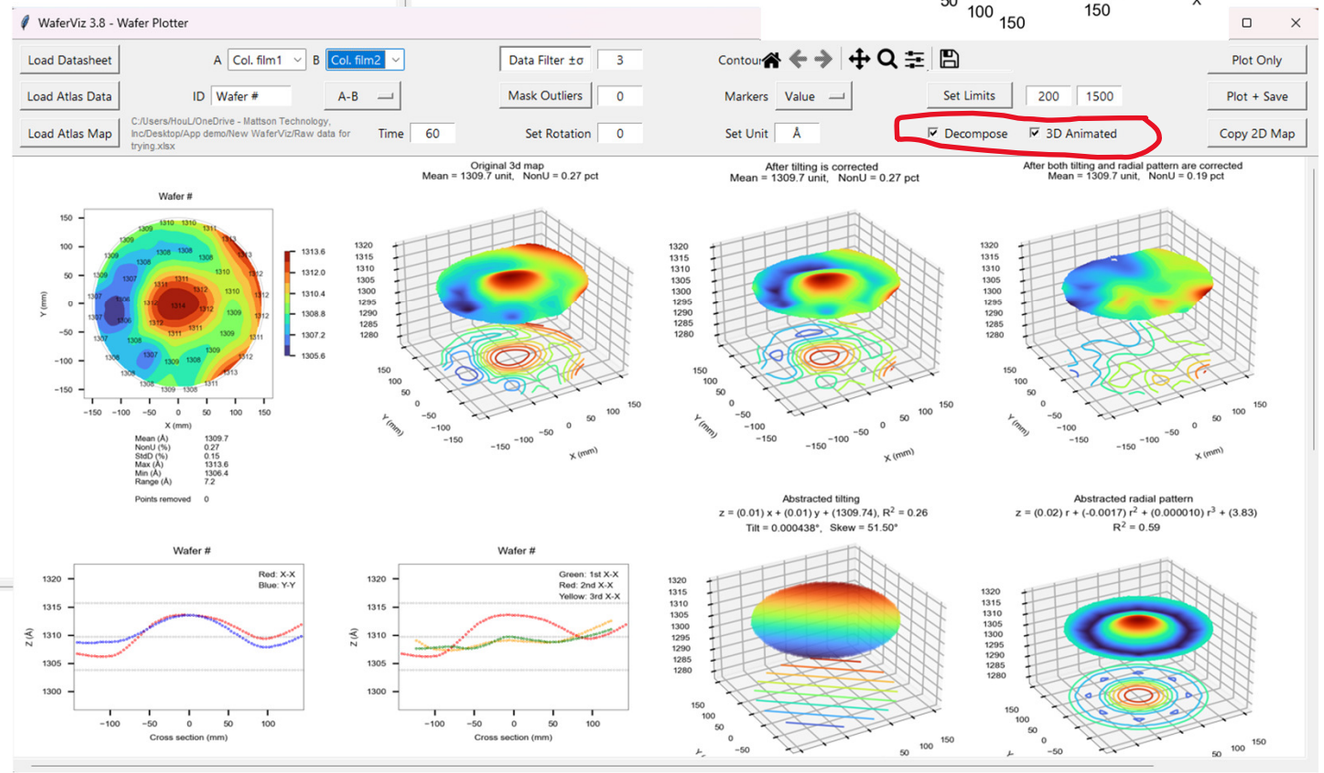


Step3: Plotting.

- By clicking on “Plot” it only takes few seconds to produce the minimal graphs.
- Selecting “Decompose” and/or “3D Animated” and “Plot” will take 22s.

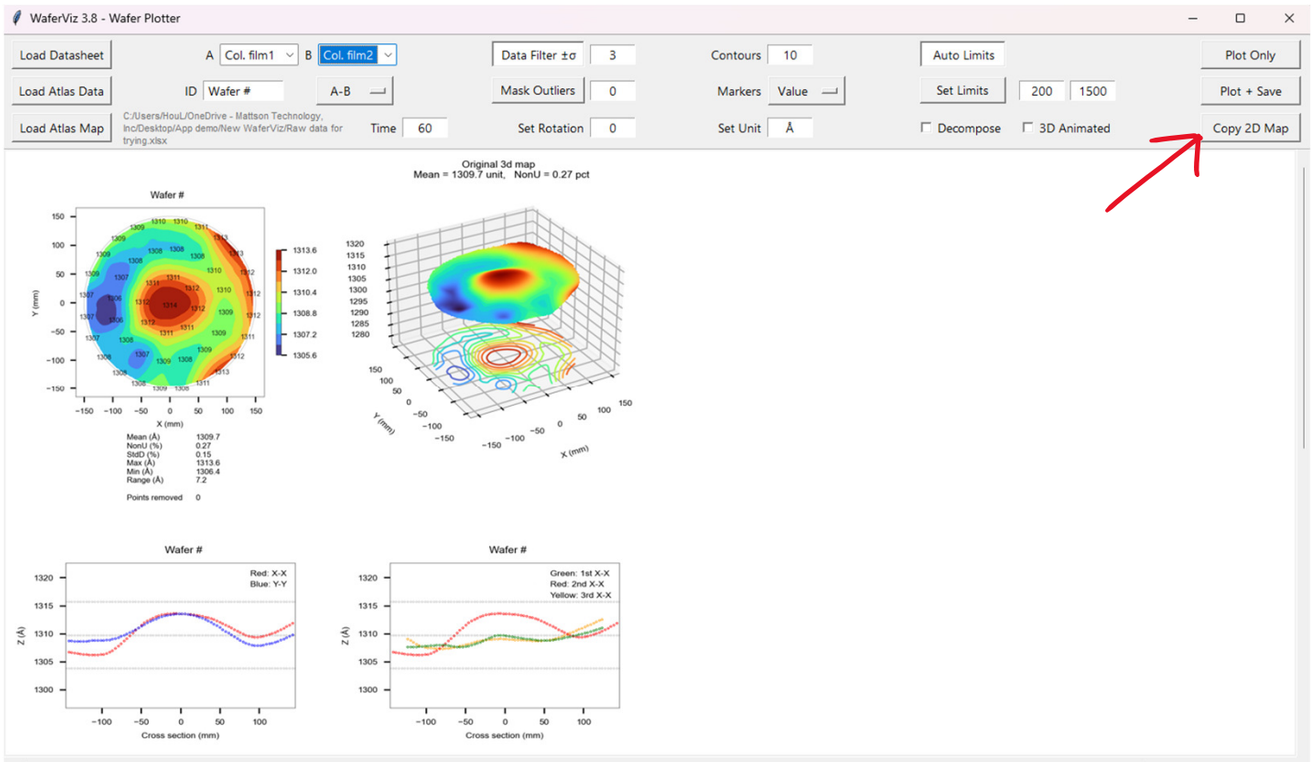


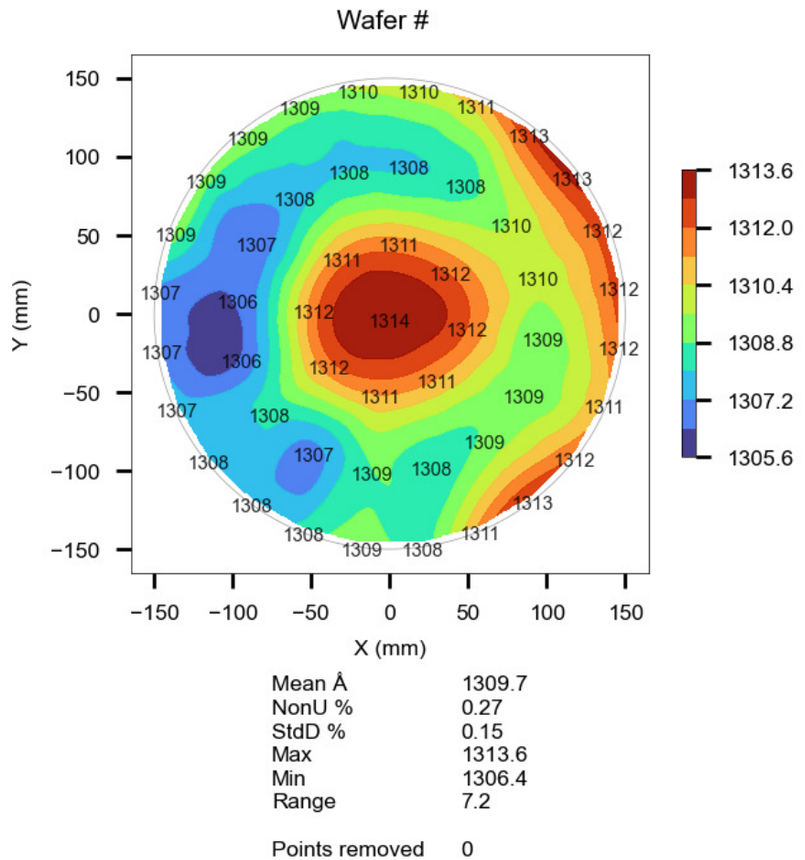




Step3: Copy / Paste the Graph with One Click.

- This is a convenient shortcut.
- After graphs are plotted, clicking “Copy Map” will copy 2D contour map into Windows’ clipboard which allows you to paste it to other apps.





Step4: Saving Graphs.

- Clicking “Plot + Save” instead of “Plot Only” adds an Excel summary sheet in auto-generated folder “Saved Graphs”.
- The folder is in the same directory where you have dropped this app into.