

How to import Nanoprobe 2D-fluorescence scans into Origin:

In a first step, the experimental raw mda-files have to be transferred into ASCII format.

1) In scanSee: <View Data>, <IMAGE 2D...>

2) In the 2D viewer: <File>, <SAVE ALL IMAGES>, the extracted ASCII files are saved in the directory home/user26id/idl/ASCII of the hosting computer.

Now the ASCII files can be imported into Origin

1) Open a new Origin worksheet

2) <File>, <Import>, <Simple Single ASCII...>, choose the desired file (e.g., 26idbDCM_0023.mda_imD05 – this is the 2D image of detector channel 05 in scan 0023).

The values of the x-axis are in the 1st column and the y values are in the header of the worksheet. Write the y values down, because you'll need them later.

3) Erase the 2nd column of the worksheet. Make a right mouse click when cursor is over 2nd column, <Delete>

3) <Edit>, <Convert to Matrix>, <Direct>, in the pop up window select <y varies across columns> and <x values in first column>, press <Convert>

4) <Matrix>, <Set Dimensions...>, the x-values are already updated in the displayed pop-up window. Enter first and last value of the y-axis (the ones you wrote down earlier). <OK>

5) <Plot>, <Contour Plot>, <Contour-Color Fill>

6) Double click the image, which opens the Plot Details window. Adjust image as desired.

Examples:

-Remove contour lines: <Line>, <Hide All>, <OK>

-Adjust number of color levels: <Levels>, <Num. of Levels>,