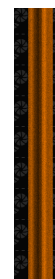


## Line Scan to Kymograph Output Nikon A1+ Confocal Microscope

Set up line scan as required and capture an image. This will appear as a 512x512 (or 256x256) pixel image, depending upon the settings chosen. The cryptic nature of this image hides its composition; the x axis represents the spatial dimension and the y axis represents time.

### To generate the kymograph image:

Go to the menu item Image/ND Processing/Concatenate 1DT, which generates the more familiar kymograph output, as shown here.

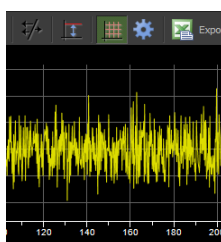
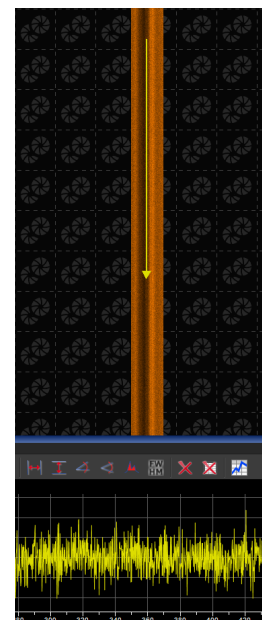


Click on the Show Profile button on the right hand side of the image window. This brings up a second window showing the intensity profile along the vertical line on the kymograph image. See image below.

To have the entire image covered by the line, click the arrow to the right of the icon above and choose the default options. The vertical arrow automatically spans the entire image.

Drag the line to the left or right to select a spatial region of interest.

Drag the line up or down to select a time span and increase or decrease its length to alter the length of time to be displayed.



To adjust the display options, click on the blue gear wheel icon on the kymograph image to bring up the preferences panel.

To obtain all the underlying data, choose the export icon to send it to an Excel file. This will contain the time, intensity, mean values, etc.