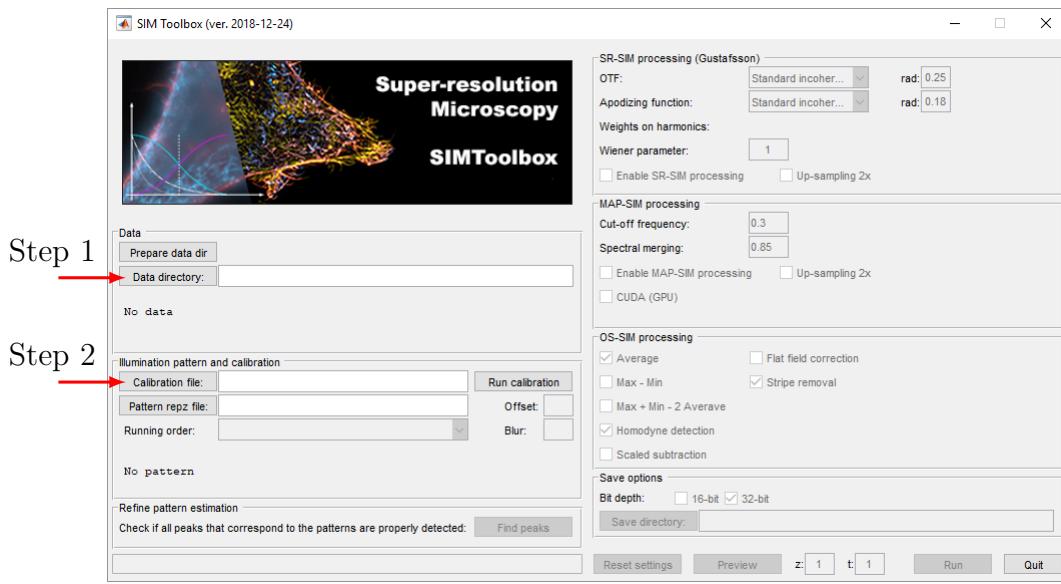


Quick Start Guide: Processing SIM data from a LCOS-based microscope

Step 1: Click on “Data directory” and open image file stack.

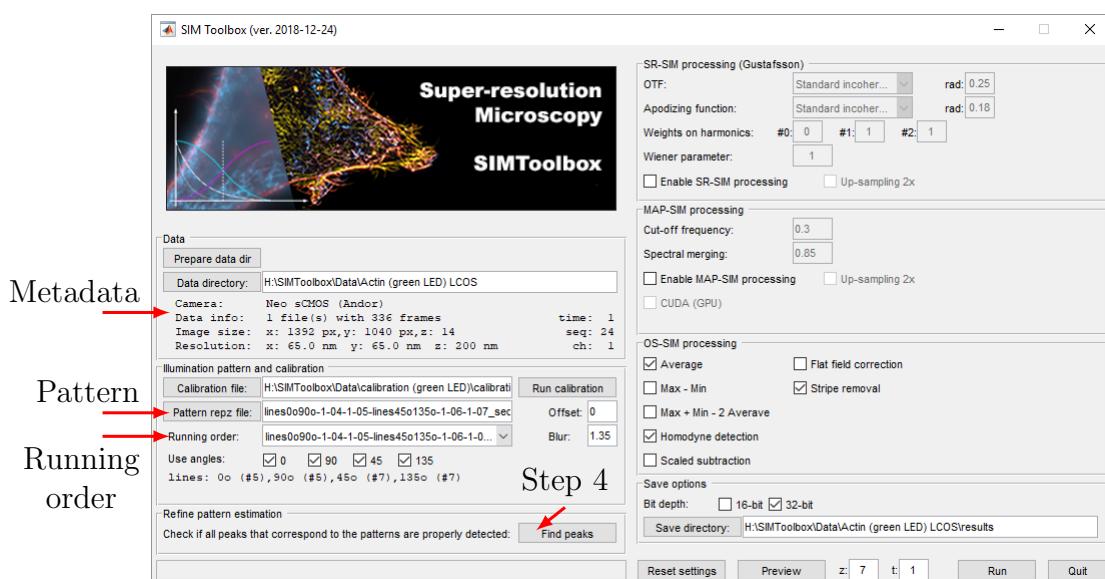
Corresponding text file with information and correct pattern file (.repz) must be in the same folder as data file.

Step 2: Open corresponding “Calibration file”.

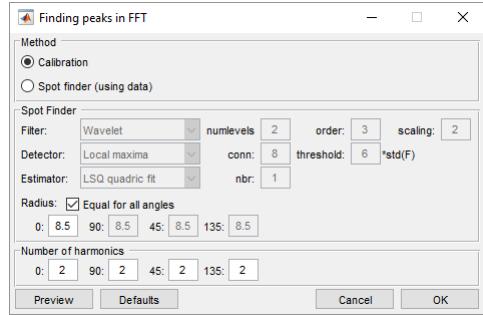


Step 3: Choose pattern parameters also known as “Running order” (choose the one ending “TF”).

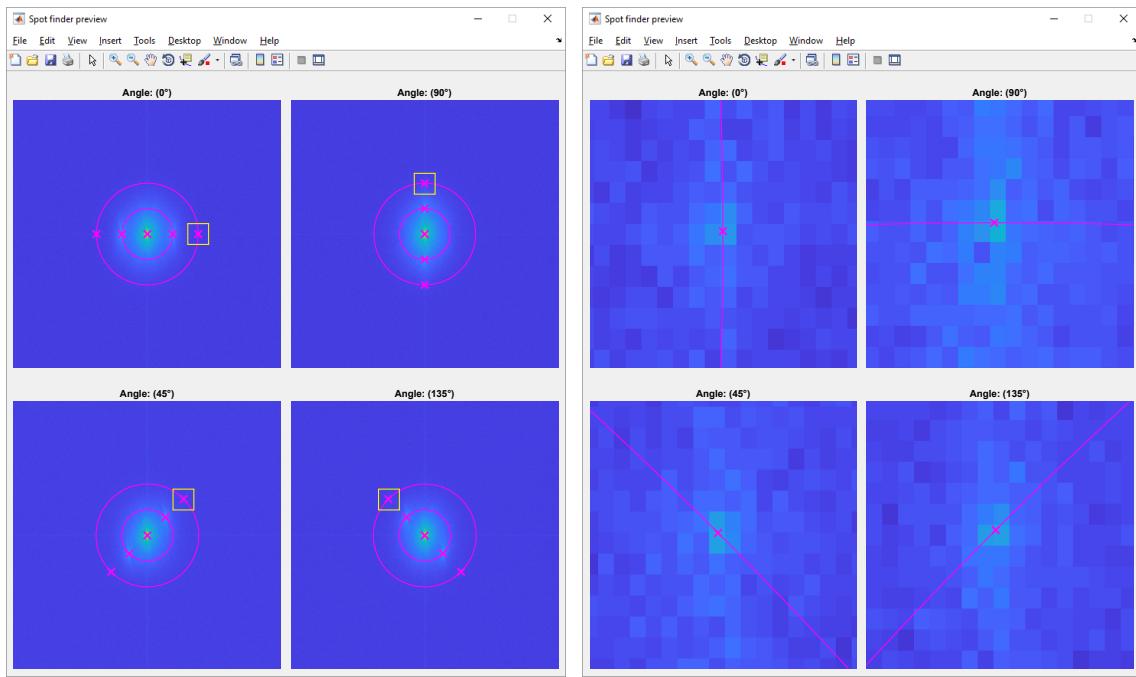
Step 4: Select “Find Peaks”



Step 3: Select “Find Peaks” and click on “Preview”.

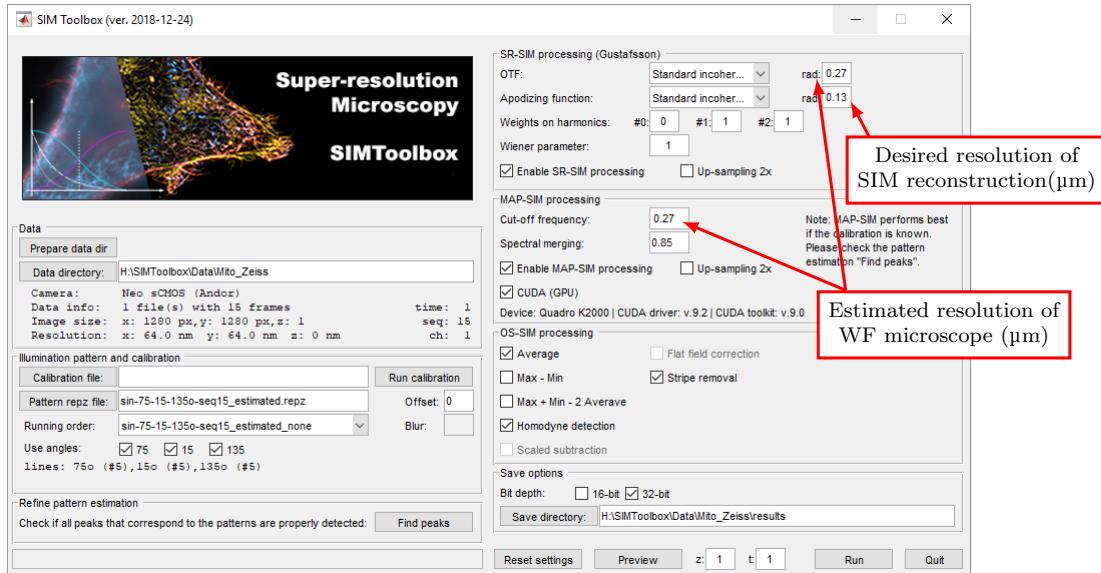


Preview of the peaks detected in FFTs of the raw data images.



Correctly located peaks using the calibration method.

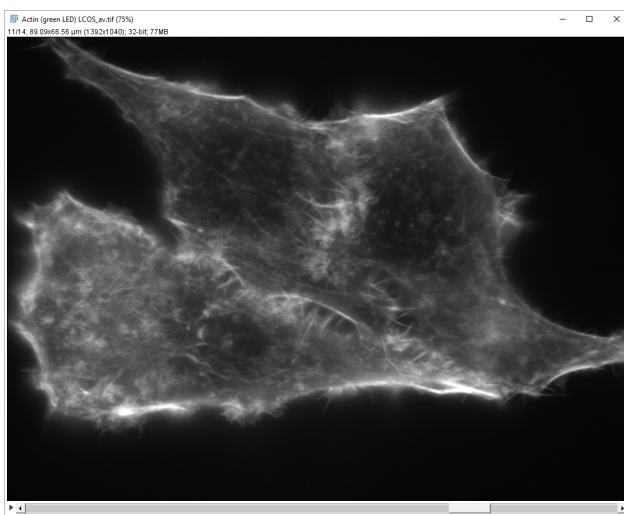
Step 5: Choose desired SIM reconstruction settings and click on “Run” button.



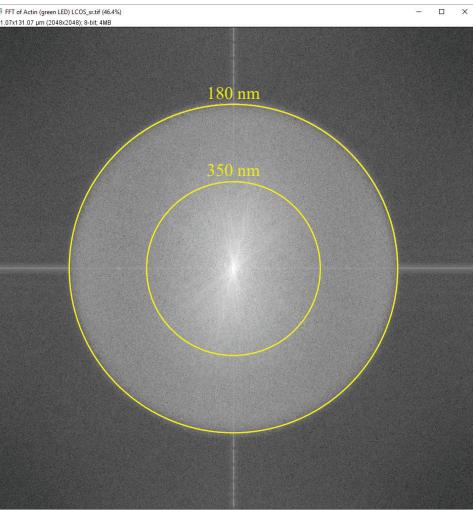
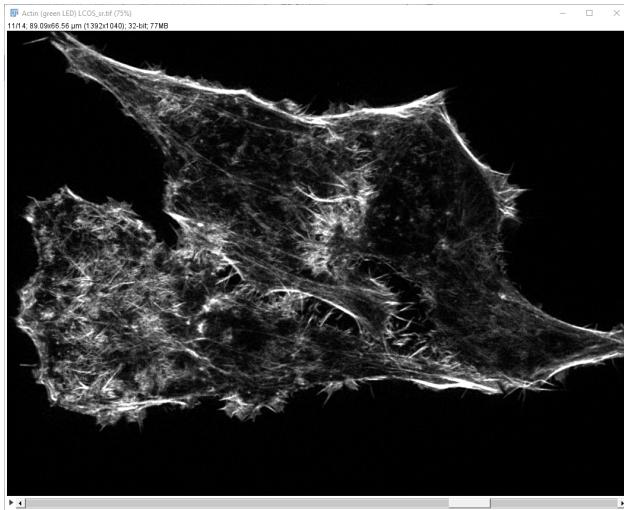
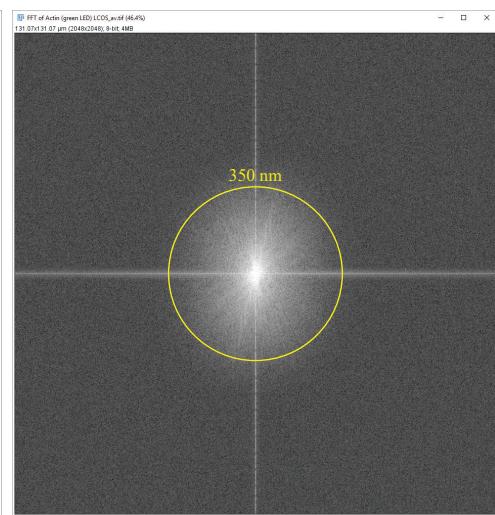
Please consult the supplementary information and user's guide for details.

Example of obtained results.

Widefield (WF)



Fast Fourier transform of WF



Super-resolution SIM (SR-SIM)

Fast Fourier transform of SR-SIM