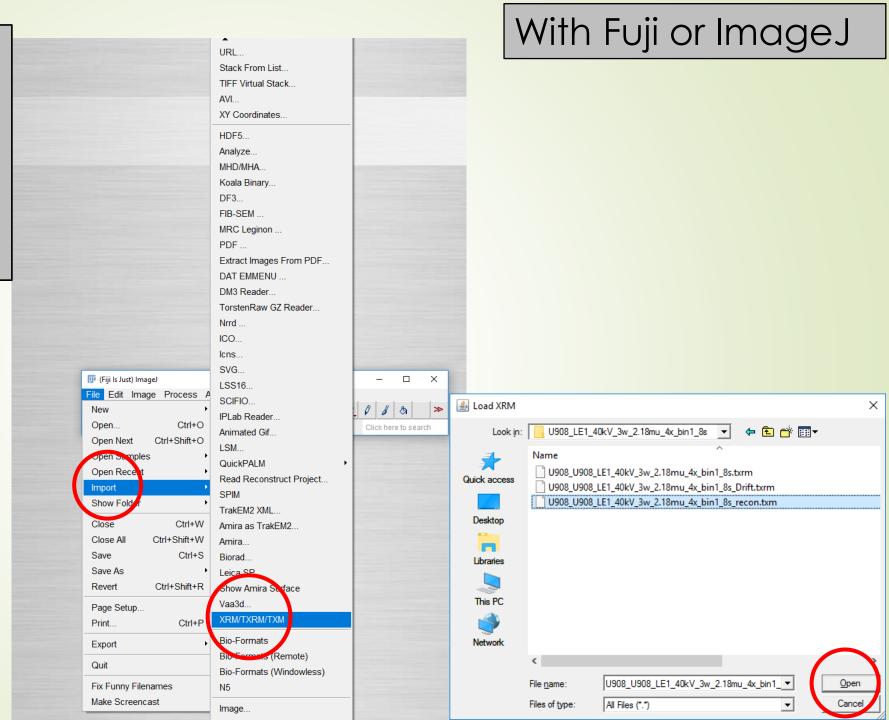
How to **export** images of TIF and other format from **txm** file

by Dr. Yuntao Ji, Utrecht University

https://www.uu.nl/staff/YJi

Step 1 Import txm file

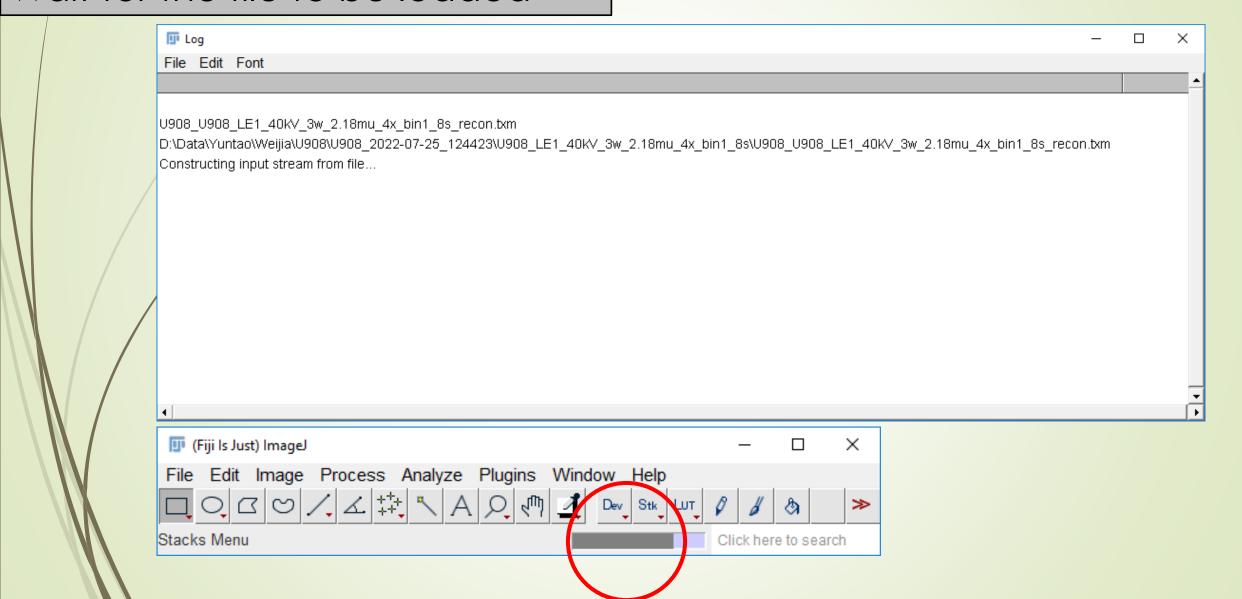
- Click Import,
- Select XRM/TXRM/TXM;
- Locate target file
- Click Open



With Fuji or ImageJ

Step 2

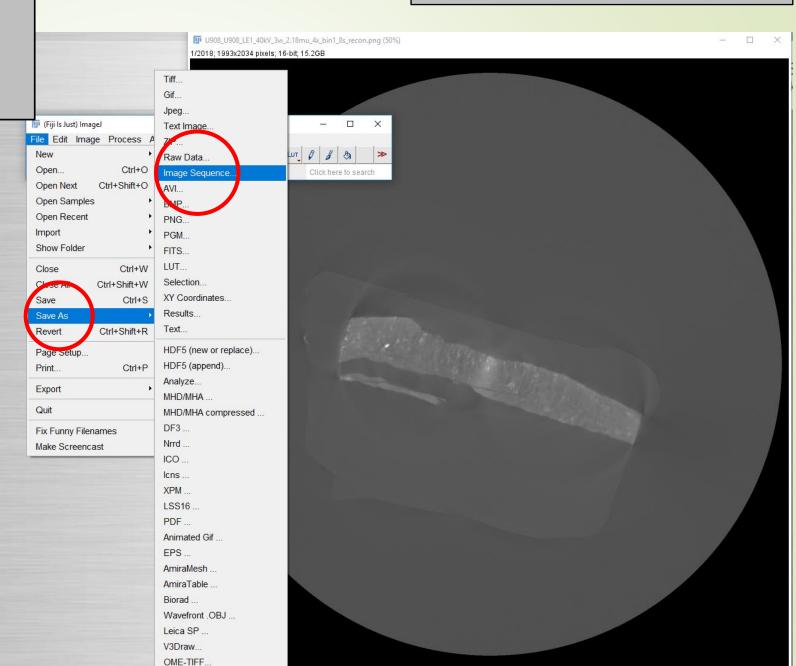
Wait for the file to be loaded



With Fuji or ImageJ

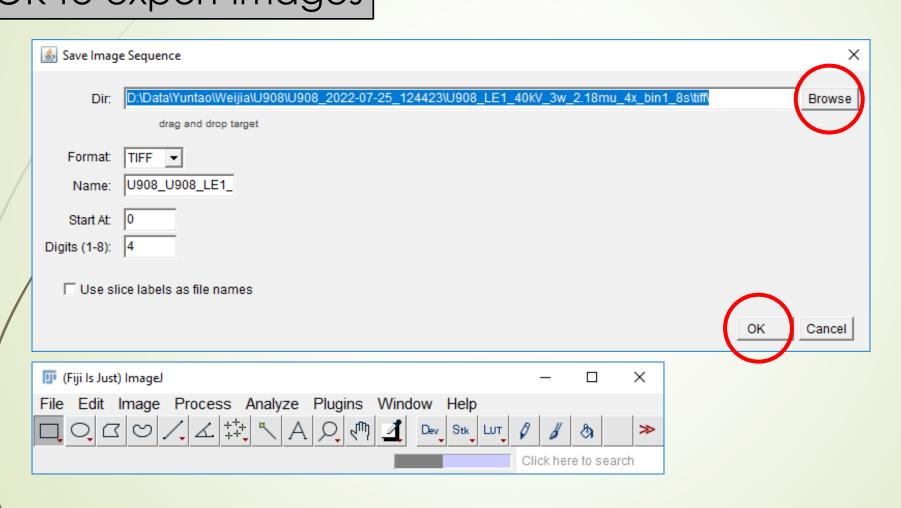
Step 3 When the txm file is opened,

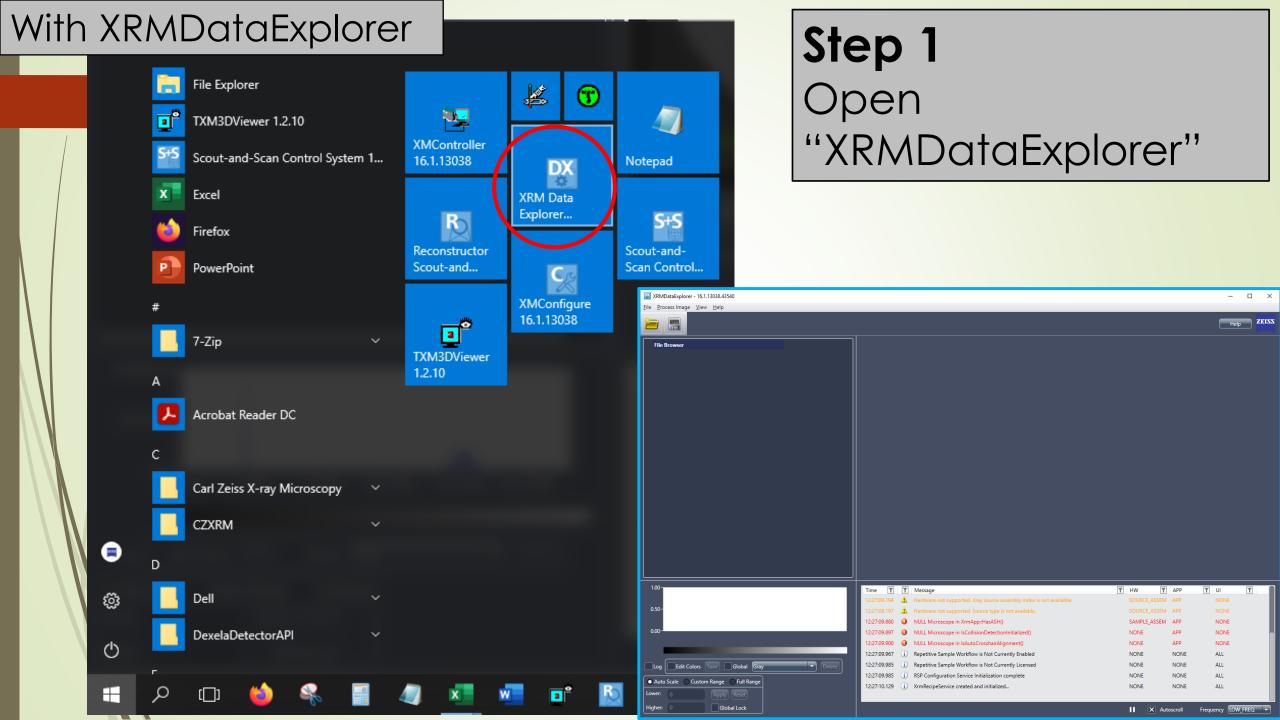
when the txm file is opened, save it as "Image Sequence"

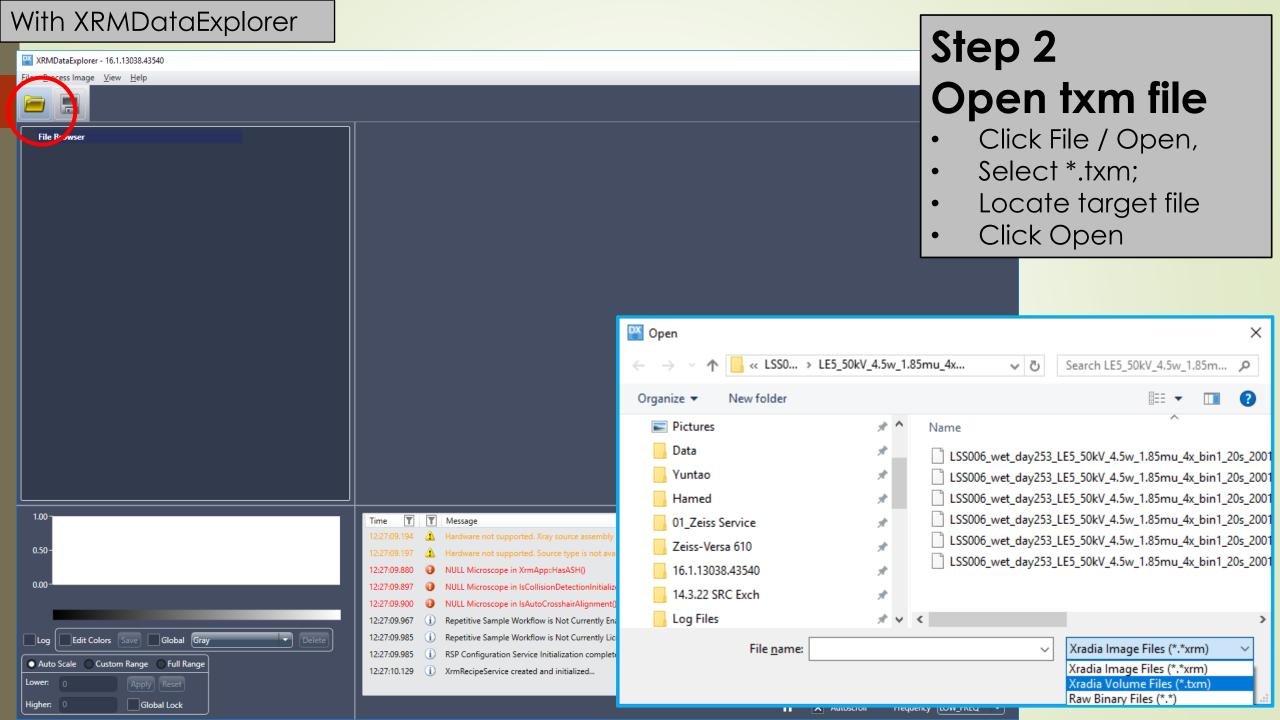


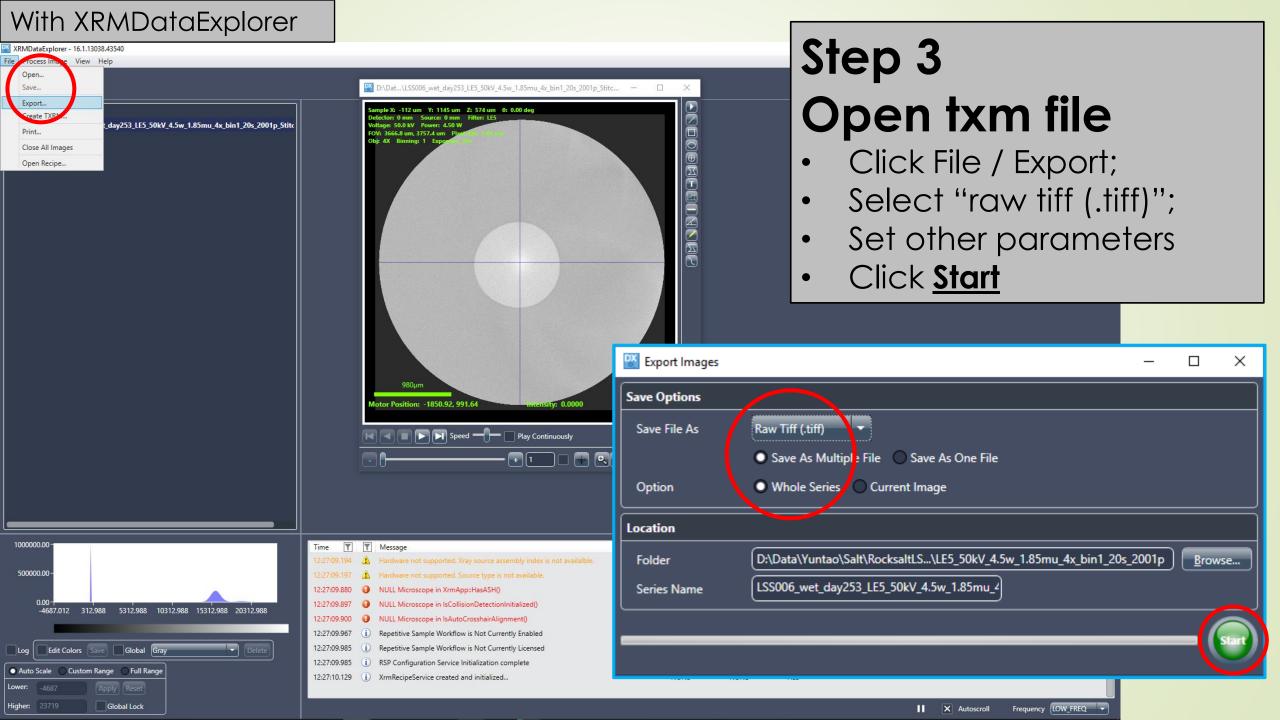
With Fuji or ImageJ

Step 4Select target folder, click OK to export images







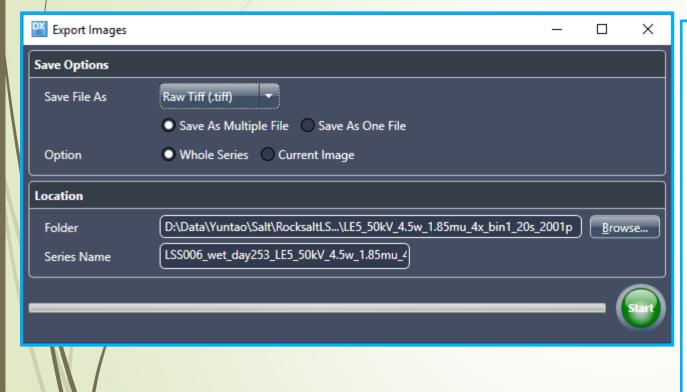


With XRMDataExplorer

Step 3

More information on the options

Export format



Export format

- -8 bit tiff (.tif)
- Bitmap (.bmp)
- JPEG (.jpg)
- 16 bit raw tiff (.tiff)
- binary (.bin)
- single image (.xrm)
- DICOM
- Hierarchical Data Format (*.hdf)
- Carl Zeiss Image data file (*.czi)

Notes:

- 1) 16-bit raw tiffs keep all the information but have bigger size;
- 2) 16-bit raw tiffs can be viewed with specialized softwares, such as MATLAB and ImageJ.

With XRMDataExplorer

Step 3

More information on the options

File header

Notes on file header

- 1. Binary images are accompanied by header files (*Header.txt) simple text files that indicate the parameters required to read these images.
- 2, Header.txt will be saved in the same folder as the exported images.
- 3, An example of a binary header files is provided as figure.

```
Header.txt - Notepad
File Edit Format View Help
[Det Assembly Info]
        Optical Magnification = 19.899300
[Image Info]
        Current = 75.000000
        Data Type = ushort
        Dto R A Distance = 0.000000
        Exp Times = 35.000000
        Image Height = 997
        Image Width = 973
        Images Taken = 1586
        Optical Magnification = 19.899300
        Pixel Size = 0.739978
        Sto R A Distance = -0.000000
        Voltage = 40.000000
```