

**Detector**      **Sample rotation**      **Source**

0.tif  
10.tif  
20.tif  
...

Acquire raw projections (sinogram)

↓

**tomopari**

**napari**

1

Load stack

1

**tomopari**

Basic Mode Advanced Mode

image [advanced\_00000\_4000.c]

Select image layer 2

Settings

- Half-rotation (angles 0-180) 3
- Automatic axis alignment
- HIGH 4 Compression 5
- FBP CPU 6 Reconstruction method
- LOW 7 Smoothing
- Vertical 8 Rotation axis

Basic reconstruct

**tomopari**

Basic Mode Advanced Mode

image [advanced\_00000\_4000.c]

Select image layer 2

Settings

- Half-rotation (angles 0-180) 3
- Automatic axis alignment
- Manual axis alignment 4
- 0.000 + Axis shift
- Reshape volume
- 100 + Reconstruction size 5
- Flat-field correction
- FBP CPU 6 Reconstruction method
- Clip to circle
- RAMP 7 Filter
- 2 + Smoothing Level
- Full volume  One slice  Slices 8
- 0 + Slices #
- 32 + Batch size
- Vertical 9 Rotation axis
- Invert colors
- 16-bit conversion 10

Advanced reconstruct

2

3

4

5

6

7

8

9

10

Select image layer 2

Half-rotation scans 3

Manual or automatic axis alignment 4

Data pre-processing image size, flat-field correction 5

Reconstruction methods 6

FBP TwIST U-Net ToModL

Reconstruction settings filter, smoothing level, clip to circle 7

Reconstruct full volume or specific slice(s) in # batches 8

Choose rotation axis 9

Volume post-processing invert colours, 16-bit conversion 10