

[System]

Scanner=Skyscan1172  
Instrument S/N=09H01136  
Hardware version=F  
Software=Version 1. 5 (build 26)  
Home directory=C:\SkyScan1172F\_  
Source Type=Hamamatsu 100/250  
Camera=Hamamatsu C9300 11Mp camera  
Camera Pixel Size (um)= 8.65  
CameraXYRatio=0.9594  
Incl.in lifting (um/mm)=0.4620

[User]

User Name=Analysis 3 - PC  
Computer Name=ANALYSIS3-PC

[Acquisition]

Data directory=C:\Results\Brody Hovatter\To1\_BatchScan1\_01132022\_  
Filename Prefix=To1\_BatchScan1\_01132022\_  
Configuration=std  
Number of Files= 769  
Source Voltage (kV)= 48  
Source Current (uA)= 208  
Number of Rows= 1336  
Number of Columns= 2000  
Image crop origin X= 0  
Image crop origin Y=0  
Camera binning=2x2  
Image Rotation=0.3500  
Gantry direction=CC  
Number of connected scans= 2  
Number of lines to be reconstructed= 819  
Image Pixel Size (um)= 13.03  
Object to Source (mm)=257.593  
Camera to Source (mm)=342.034  
Vertical Object Position (mm)=26.795  
Optical Axis (line)= 734  
Filter=A1 0.5 mm  
Image Format=TIFF  
Depth (bits)=16  
Screen LUT=0  
Exposure (ms)= 2045  
Rotation Step (deg)=0.250  
Frame Averaging=ON (5)  
Random Movement=OFF (20)  
Use 360 Rotation=NO  
Geometrical Correction=ON  
Camera Offset=OFF  
Median Filtering=ON  
Flat Field Correction=ON  
Rotation Direction=CC  
Scanning Trajectory=ROUND

Type Of Motion=STEP AND SHOOT  
Study Date and Time=Jan 13, 2022 16:36:00  
Scan duration=02:39:35  
[Reconstruction]  
Reconstruction Program=NRecon  
Program Version=Version: 1.7.5.4  
Program Home Directory=C:\SkyScan1273\_demo  
Reconstruction engine=GPUReconServer  
Engine version=Version: 1.7.5  
Reconstruction from batch=No  
Postalignment Applied=1  
Postalignment Global=2.50  
Connected Reconstruction (parts)=2  
Sub-scan scan length [0]=784  
Sub-scan scan length [1]=819  
Used extra rotation per scan(deg)= 0.000 0.000  
Used extra shift in X per scan(micron)= 0.000 3.685  
Used extra shift in Y per scan(micron)= 0.000 -5.773  
Reconstruction servers= ANALYSIS3-PC  
Dataset Origin=Skyscan1172  
Dataset Prefix=To1\_BatchScan1\_01132022\_~01  
Dataset Directory=C:\Results\Brody Hovatter\To1\_BatchScan1\_01132022\_  
Output Directory=C:\Results\Brody  
Hovatter\To1\_BatchScan1\_01132022\_\To1\_BatchScan1\_01132022\_rec  
Time and Date=13 Jan 2022 17h:20m:52s  
First Section=342  
Last Section=1857  
Reconstruction duration per slice (seconds)=0.458599  
Total reconstruction time (785 slices) in seconds=360.000000  
Section to Section Step=1  
Sections Count=1516  
Result File Type=TIF  
Result File Header Length (bytes)=12  
Result Image Width (pixels)=1116  
Result Image Height (pixels)=1144  
Pixel Size (um)=13.03237  
Reconstruction Angular Range (deg)=192.00  
Use 180+=OFF  
Angular Step (deg)=0.2500  
Smoothing=2  
Smoothing kernel=2 (Gaussian)  
Ring Artifact Correction=3  
Draw Scales=OFF  
Object Bigger than FOV=OFF  
Reconstruction from ROI=ON\_ROUND  
ROI Top (pixels)=1556  
ROI Bottom (pixels)=410  
ROI Left (pixels)=448  
ROI Right (pixels)=1566  
ROI reference length=2000

Filter cutoff relative to Nyquist frequency=100  
Filter type=0  
Filter type description=Hamming (Alpha=0.54)  
Undersampling factor=1  
Threshold for defect pixel mask (%)=0  
Beam Hardening Correction (%)=30  
CS Static Rotation (deg)=0.00  
CS Static Rotation Total(deg)=0.00  
Minimum for CS to Image Conversion=0.000000  
Maximum for CS to Image Conversion=0.201184  
HU Calibration=OFF  
BMP LUT=0  
Cone-beam Angle Horiz.(deg)=5.792579  
Cone-beam Angle Vert.(deg)=3.871269