

[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_BatchScan2_01122022_
Filename Prefix=To1_BatchScan2_01122022_
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= 1029
Image Pixel Size (um)= 12.12
Object to Source (mm)=239.563
Camera to Source (mm)=342.034
Vertical Object Position (mm)=32.960
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 12, 2022 23:42:24
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=3.00
Connected Reconstruction (parts)=2
Sub-scan scan length [0]=985
Sub-scan scan length [1]=1029
Used extra rotation per scan(deg)= 0.000 0.000
Used extra shift in X per scan(micron)= 0.000 -4.132
Used extra shift in Y per scan(micron)= 0.000 -7.732
Reconstruction servers= ANALYSIS3-PC
Dataset Origin=Skyscan1172
Dataset Prefix=To1_BatchScan2_01122022_~01
Dataset Directory=C:\Results\Brody Hovatter\To1_BatchScan2_01122022_
Output Directory=C:\Results\Brody
Hovatter\To1_BatchScan2_01122022_\To1_BatchScan2_01122022_rec
Time and Date=13 Jan 2022 11h:32m:56s
First Section=37
Last Section=2321
Reconstruction duration per slice (seconds)=0.556795
Total reconstruction time (986 slices) in seconds=549.000000
Section to Section Step=1
Sections Count=2285
Result File Type=TIF
Result File Header Length (bytes)=12
Result Image Width (pixels)=1312
Result Image Height (pixels)=1196
Pixel Size (um)=12.11827
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)=1610
ROI Bottom (pixels)=413
ROI Left (pixels)=409
ROI Right (pixels)=1724
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=0.212290
HU Calibration=OFF
BMP LUT=0
Cone-beam Angle Horiz.(deg)=5.791668
Cone-beam Angle Vert.(deg)=3.870659