

[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=1.0047  
Incl.in lifting (um/mm)=0.4620

[User]

User Name=SkyScan\_1172  
Computer Name=

[Acquisition]

Data directory=D:  
\Results\Brody\Paromomys\_farrandi\_jaws\_UWBM101956\_UCMP224092\_  
Filename Prefix=Paromomys\_farrandi\_jaws\_UWBM101956\_UCMP224092\_  
Configuration=C:\SkyScan1172F\_\config\Std\_High\_2020  
Number of Files= 797  
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=0.2530  
Gantry direction=CC  
Number of connected scans= 3  
Number of lines to be reconstructed= 976  
Image Pixel Size (um)= 8.22  
Object to Source (mm)=100.833  
Camera to Source (mm)=212.312  
Vertical Object Position (mm)=23.028  
Optical Axis (line)= 734  
Filter=A1 0.5 mm  
Image Format=TIFF  
Depth (bits)=16  
Screen LUT=0  
Exposure (ms)= 700  
Rotation Step (deg)=0.250  
Frame Averaging=ON (5)  
Random Movement=ON (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=Jun 30, 2020 13:56:45  
Scan duration=01:14:31  
[Reconstruction]  
Reconstruction Program=NRecon  
Program Version=Version: 1.7.4.4  
Program Home Directory=C:\SkyScan1172F\_  
Reconstruction engine=GPUReconServer  
Engine version=Version: 1.7.4  
Reconstruction from batch=Yes  
Postalignment Applied=1  
Connected Reconstruction (parts)=3  
Sub-scan post alignment [0]=2.500000  
Sub-scan post alignment [1]=0.000000  
Sub-scan post alignment [2]=1.000000  
Sub-scan scan length [0]=977  
Sub-scan scan length [1]=976  
Sub-scan scan length [2]=976  
Used extra shift in X per scan(micron)= 0.000 -2.489 2.258  
Used extra shift in Y per scan(micron)= 0.000 36.334 42.027  
Reconstruction servers= SKYSCAN\_1172-PC  
Dataset Origin=Skyscan1172  
Dataset Prefix=Paromomys\_farrandi\_jaws\_UWBM101956\_UCMP224092\_~00  
Dataset Directory=D:  
\Results\Brody\Paromomys\_farrandi\_jaws\_UWBM101956\_UCMP224092\_  
Output Directory=D:  
\Results\Brody\Paromomys\_farrandi\_jaws\_UWBM101956\_UCMP224092\_\Paromomy  
s\_farrandi\_jaws\_UWBM101956\_UCMP224092\_Rec  
Time and Date=30 Jun 2020 14h:35m:08s  
First Section=361  
Last Section=2923  
Reconstruction duration per slice (seconds)=0.393271  
Total reconstruction time (862 slices) in seconds=339.000000  
Section to Section Step=1  
Sections Count=2563  
Result File Type=TIF  
Result File Header Length (bytes)=12  
Result Image Width (pixels)=1688  
Result Image Height (pixels)=1376  
Pixel Size (um)=8.21740  
Reconstruction Angular Range (deg)=199.00  
Use 180+=OFF  
Angular Step (deg)=0.2500  
Smoothing=0  
Ring Artifact Correction=10  
Draw Scales=OFF  
Object Bigger than FOV=OFF  
Reconstruction from ROI=ON\_ROUND  
ROI Top (pixels)=1712

ROI Bottom (pixels)=333  
ROI Left (pixels)=200  
ROI Right (pixels)=1889  
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 (%)=20  
CS Static Rotation (deg)=0.00  
CS Static Rotation Total(deg)=0.00  
Minimum for CS to Image Conversion=0.007157  
Maximum for CS to Image Conversion=0.246764  
HU Calibration=OFF  
BMP LUT=0  
Cone-beam Angle Horiz.(deg)=9.318064  
Cone-beam Angle Vert.(deg)=6.232070