

[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\HT_molars_03252021_
Filename Prefix=HT_molars_03252021_
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= 1060
Image Pixel Size (um)= 9.39
Object to Source (mm)=115.233
Camera to Source (mm)=212.312
Vertical Object Position (mm)=26.778
Optical Axis (line)= 734
Filter=A1 0.5 mm
Image Format=TIFF
Depth (bits)=16
Screen LUT=0
Exposure (ms)= 680
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=Mar 25, 2021 20:21:15
Scan duration=01:03:53
[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]=2.000000
Sub-scan post alignment [1]=0.500000
Sub-scan post alignment [2]=0.000000
Sub-scan scan length [0]=1062
Sub-scan scan length [1]=1062
Sub-scan scan length [2]=1060
Used extra shift in X per scan(micron)= 0.000 -3.236 0.182
Used extra shift in Y per scan(micron)= 0.000 30.881 35.461
Reconstruction servers= SKYSCAN_1172-PC
Dataset Origin=Skyscan1172
Dataset Prefix=HT_molars_03252021_~00
Dataset Directory=D:\Results\Brody\HT_molars_03252021_
Output Directory=D:
\Results\Brody\HT_molars_03252021_\HT_molars_03252021_Rec
Time and Date=25 Mar 2021 20h:49m:06s
First Section=268
Last Section=3155
Reconstruction duration per slice (seconds)=0.494990
Total reconstruction time (998 slices) in seconds=494.000000
Section to Section Step=1
Sections Count=2888
Result File Type=TIF
Result File Header Length (bytes)=12
Result Image Width (pixels)=1796
Result Image Height (pixels)=1728
Pixel Size (um)=9.39002
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)=1868
ROI Bottom (pixels)=137
ROI Left (pixels)=115
ROI Right (pixels)=1914

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 (%)=50
CS Static Rotation (deg)=0.00
CS Static Rotation Total(deg)=0.00
Minimum for CS to Image Conversion=0.006565
Maximum for CS to Image Conversion=0.221222
HU Calibration=OFF
BMP LUT=0
Cone-beam Angle Horiz.(deg)=9.317169
Cone-beam Angle Vert.(deg)=6.231471