

# Rounding Issues in Plane separation

August 14, 2023

14:54

**Symptom:** 3D Volume is not auto generated on import.

**Root Cause:** Rounding Error in Eclipse causes it to believe that the image spacing is not correct.

**Solution:** Manually Generate 3D image in Selection workspace

Create 3D Image - Using manually selected slices

**Identification**  
ID   
Name

**Size [pixel]**  
Width   
Height

**Usable slices**

No.	Z [cm]	Bind
384	-108.16	
385	-108.00	
386	-107.83	
387	-107.67	
388	-107.50	
389	-107.34	
390	-107.18	
391	-107.01	
392	-106.85	
393	-106.68	
394	-106.52	
395	-106.35	
396	-106.19	
397	-106.02	
398	-105.86	
399	-105.69	
400	-105.53	X
401	-105.36	

Slices used

**Current plane setup**

No.	Z [cm]	Type
395	-106.19	Original
396	-106.02	Original
397	-105.86	Original
398	-105.69	Original
399	-105.53	Original
400	-105.36	Original
401	-105.20	Original
402	-105.04	Original
403	-104.87	Original
404	-104.71	Original

Plane separation [cm]

Original planes

Interpolated planes

Total planes

Memory usage [KB]

When doing so, Image overlap warnings may appear:

Selection



Image Image 70 overlaps with other images (Image 69).

These messages can be safely acknowledged and ignored.

Alternatively, it may be possible to tweak the plane separation setting to prevent the warnings (Not yet tried). This will result in interpolated images in the 3D image volume.

Create 3D Image - Using manually selected slices

Identification

ID

PT\_NAC

Name

Size [pixel]

Width

220

Height

220

Usable slices

No.	Z [cm]	Bind
394	-106.52	
395	-106.35	
396	-106.19	
397	-106.02	
398	-105.86	
399	-105.69	
400	-105.53	X
401	-105.37	
402	-105.20	
403	-105.04	
404	-104.87	
405	-104.71	
406	-104.54	
407	-104.38	
408	-104.21	
409	-104.05	
410	-103.88	
411	-103.72	

Slices used

599

Current plane setup

No.	Z [cm]	Type
150	-146.51	Interpolated
151	-146.35	Interpolated
152	-146.19	Interpolated
153	-146.02	Interpolated
154	-145.86	Original
155	-145.69	Interpolated
156	-145.53	Original
157	-145.36	Interpolated
158	-145.20	Original
159	-145.03	Original

Plane separation [cm]

0.1646

Original planes

442

Interpolated planes

156

Total planes

598

Memory usage [KB]

56529