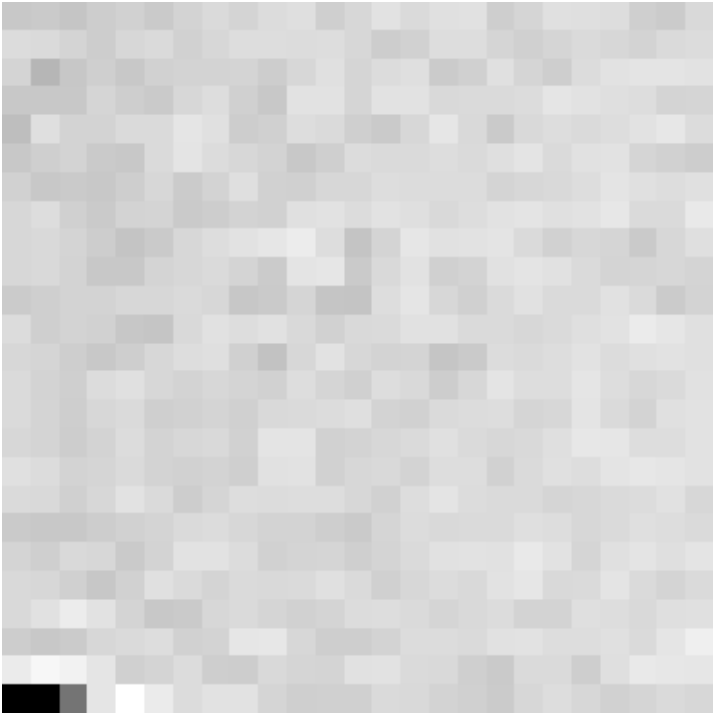
Fiducial ROIs

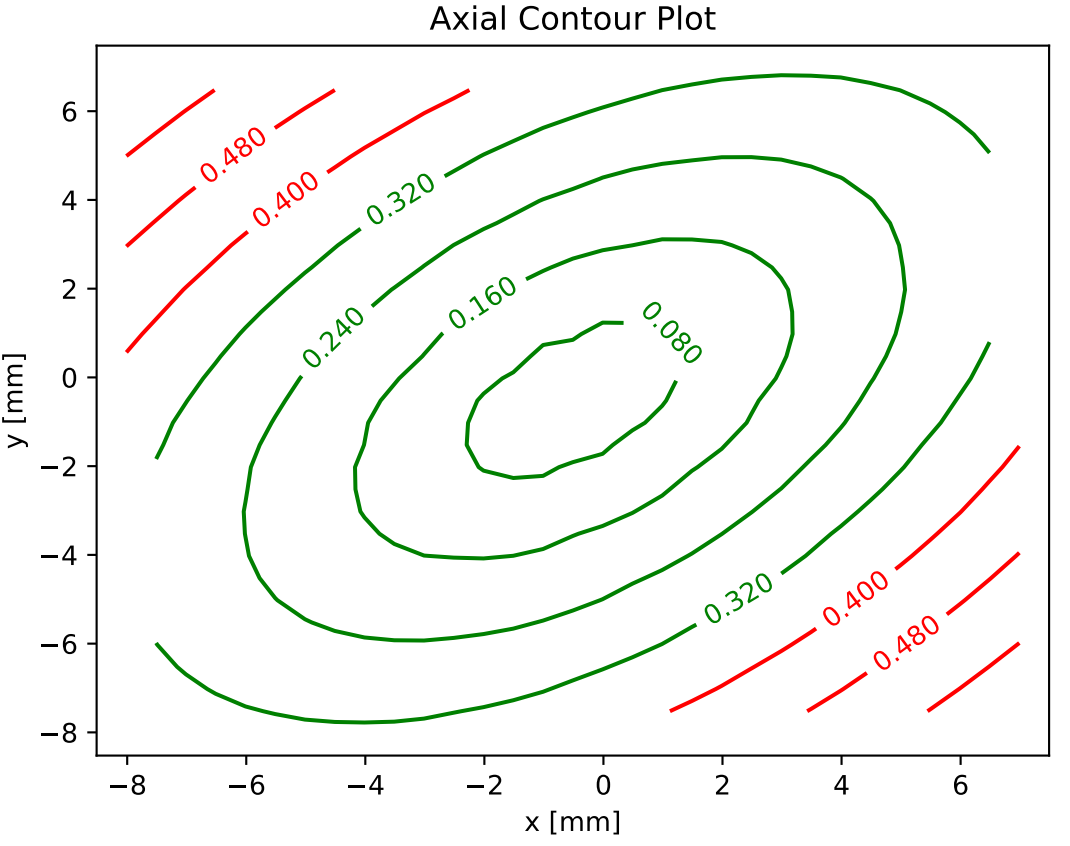


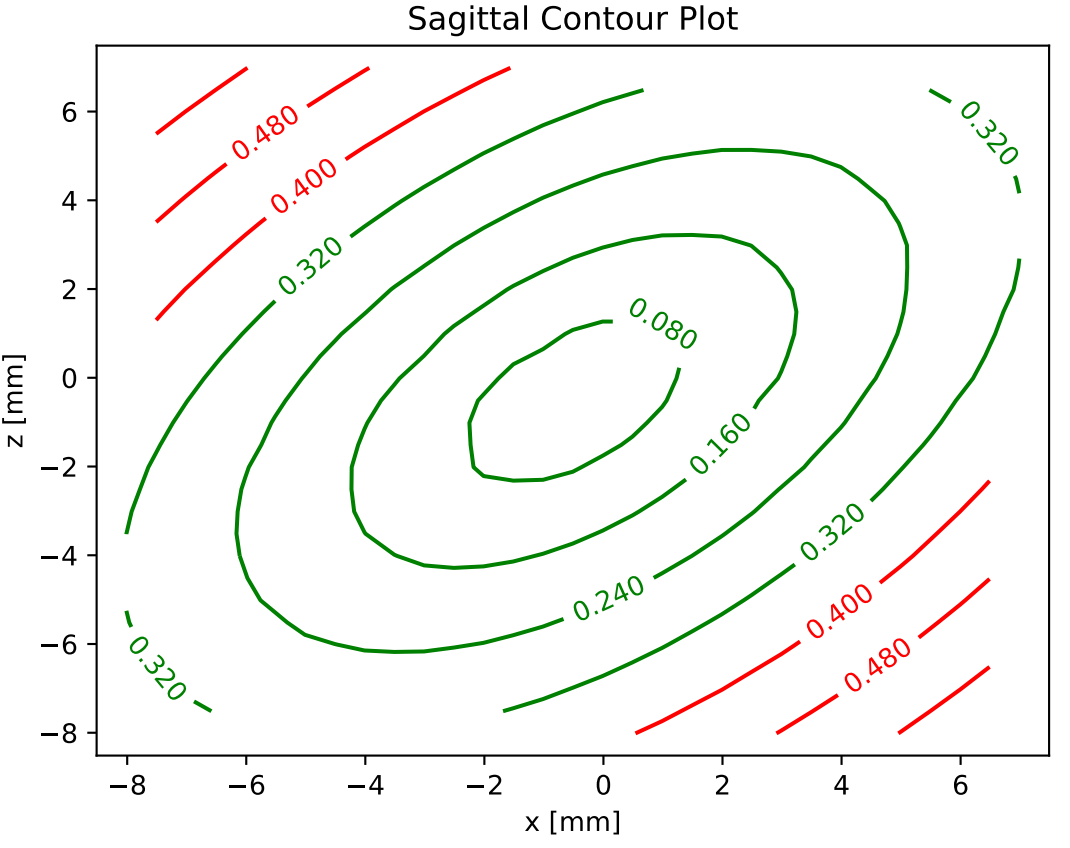
Institution Table

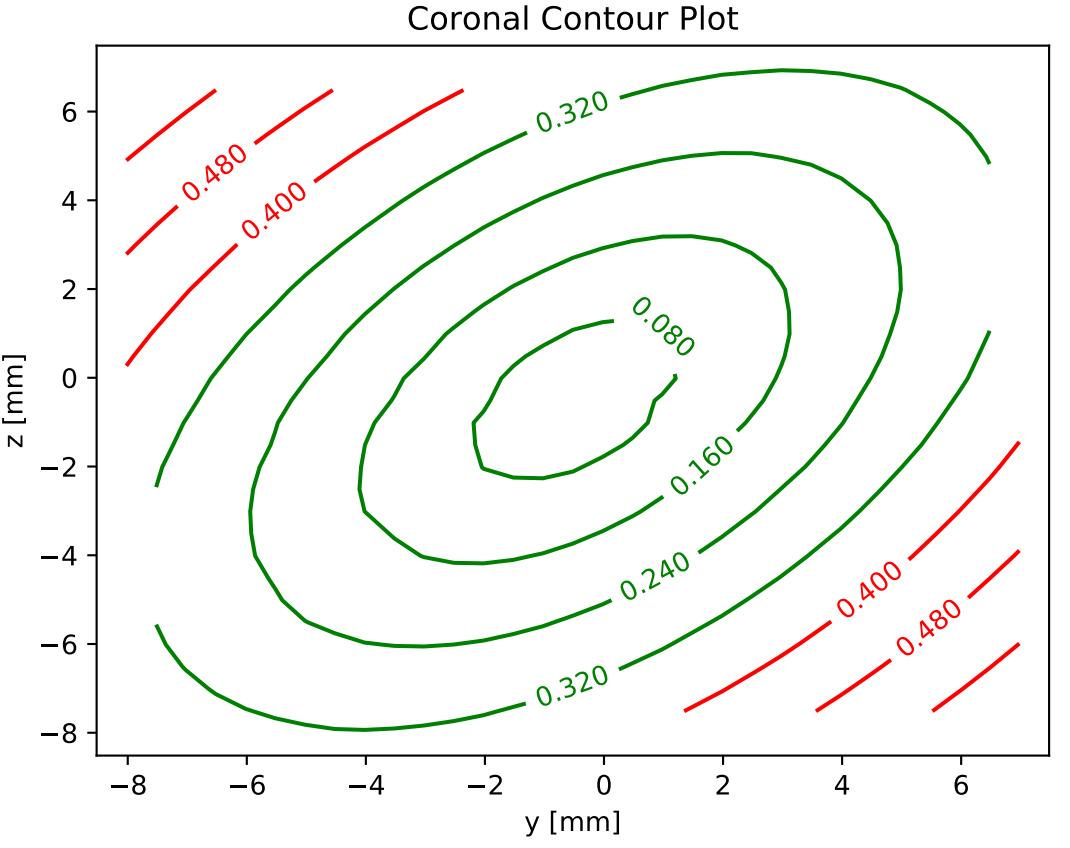
Name	Johns Hopkins
Number of Licenses	12
Address	3101 Wyman Park Dr. Baltimore, MD 21211
Phone Number	555-555-5555

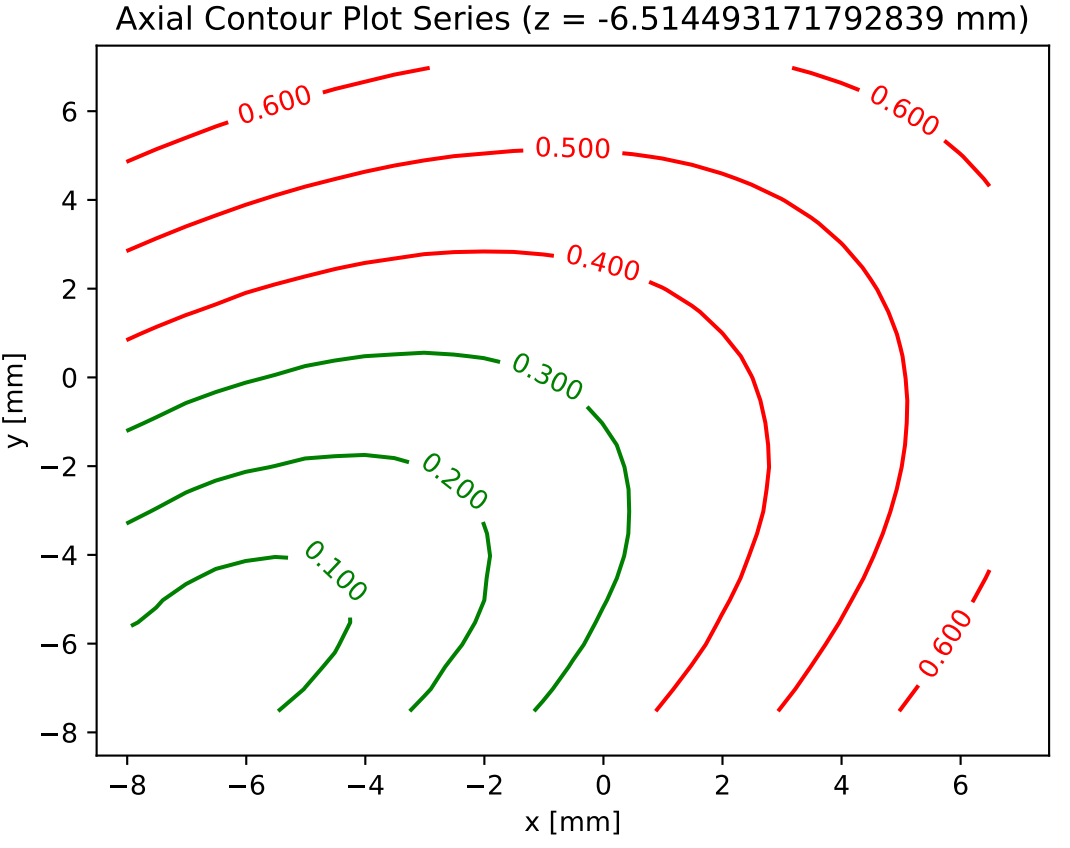
Data Acquisition Table

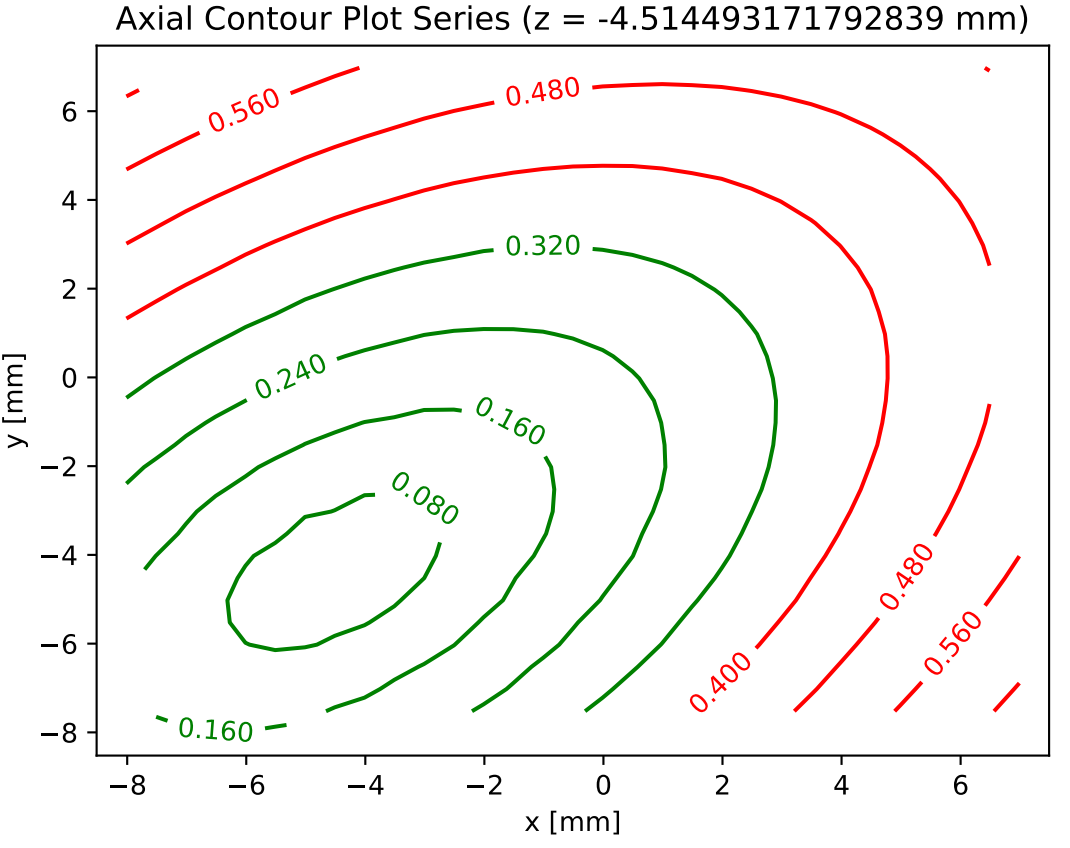
Phantom filler T_1	
Phantom filler T_2	
Phantom filler composition	
Sequence type	GR
Pixel bandwidth	160 $\frac{Hz}{px}$
Voxel dimensions	0.977 mm x 0.977 mm x 1.0 mm
Sequence repetition time (TR)	10 ms
Echo delay time (TE)	4.76 ms
Number of signals averaged (NSA)	1
Data acquisition matrix size	256, 0, 0, 218
Image matrix size	
Field of view size	
Type of acquisition	3D
Number of slices	192
Slice orientation	1, 0, 0, 0, 1, 0
Slice position	-125.0, -102.88, 137.371
Slice thickness	1 mm
Direction of phase encoding	COL

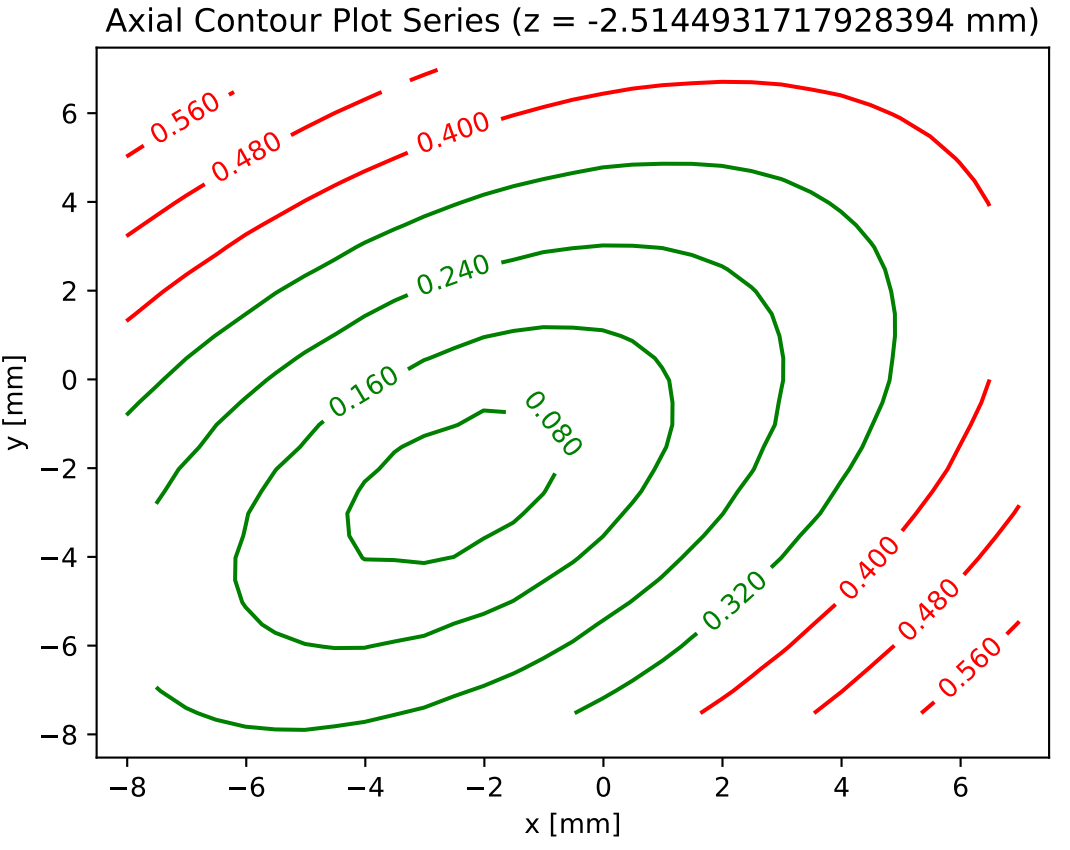

Axial Contour Plot
0.480
0.400
0.320
0.240
0.160
0.080
0.320
0.400
0.480
y [mm]
x [mm]
6
4
2
0
−2
−4
−6
−8
−8
−6
−4
−2
0
2
4
6

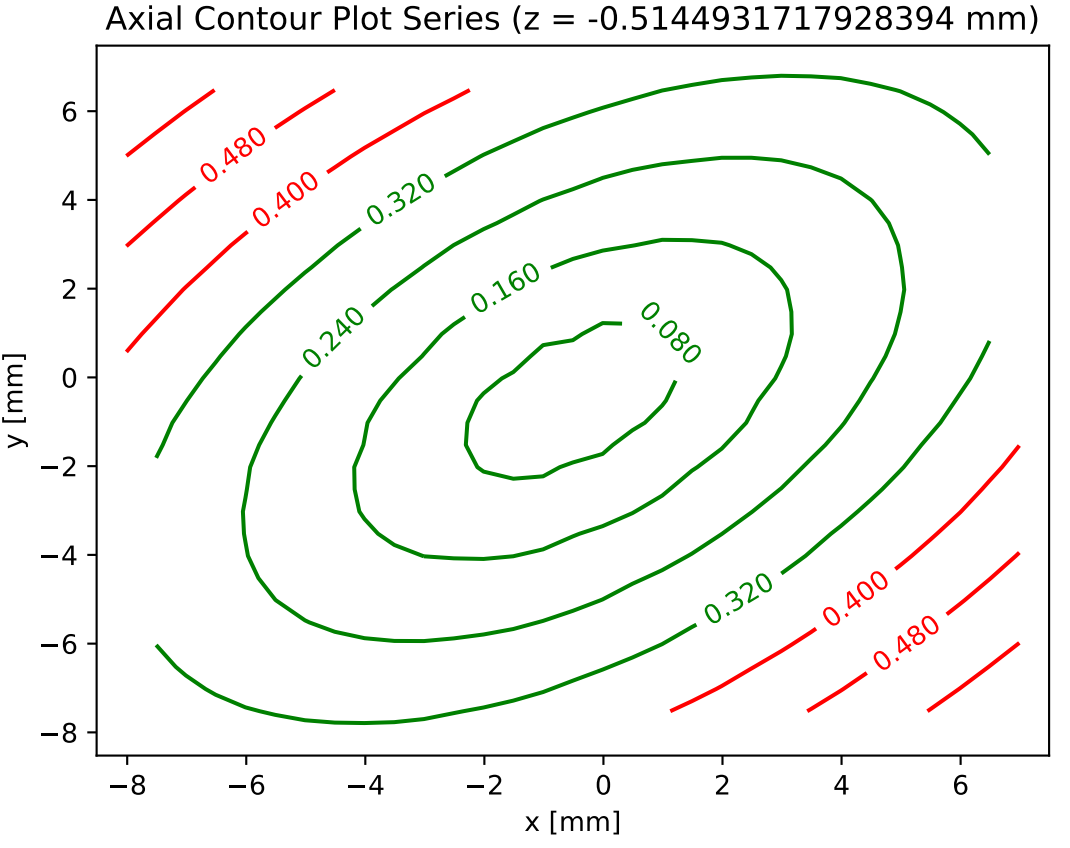

Sagittal Contour Plot
0.480
0.400
0.320
0.080
0.160
0.240
0.320
0.320
0.400
0.480
z [mm]
x [mm]
6
4
2
0
−2
−4
−6
−8
−8
−6
−4
−2
0
2
4
6

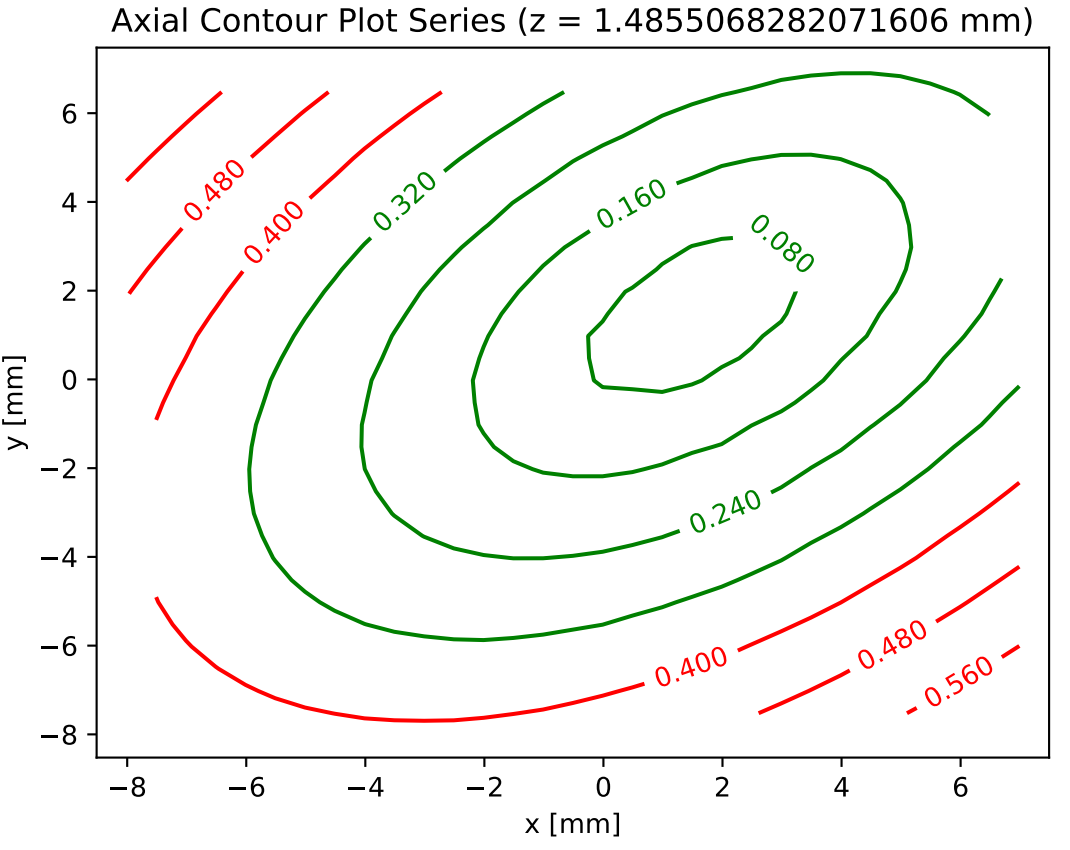

Coronal Contour Plot
0.480
0.400
0.320
0.080
0.160
0.240
0.400
0.480
0.320
z [mm]
y [mm]
6
4
2
0
−2
−4
−6
−8
−8
−6
−4
−2
0
2
4
6

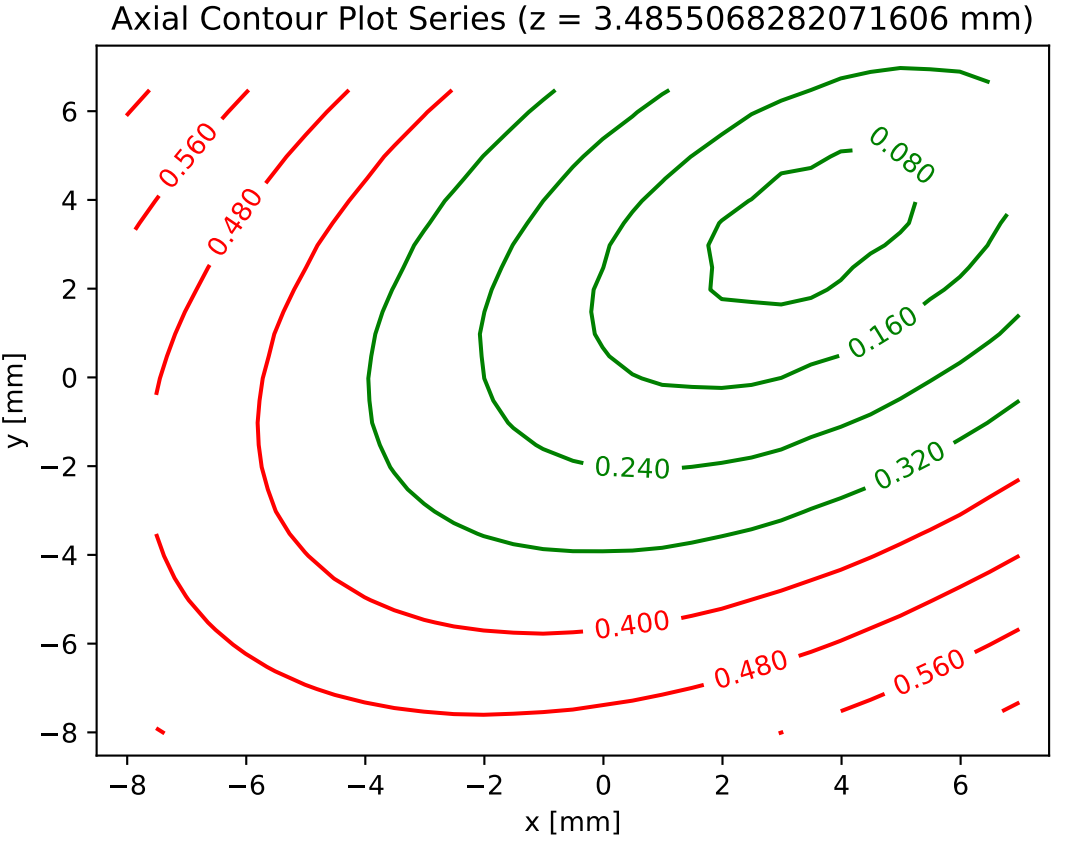

Axial Contour Plot Series (z = -6.514493171792839 mm)
0.600
0.500
0.400
0.300
0.200
0.100
0.600
0.600
y [mm]
x [mm]
6
4
2
0
−2
−4
−6
−8
−8
−6
−4
−2
0
2
4
6

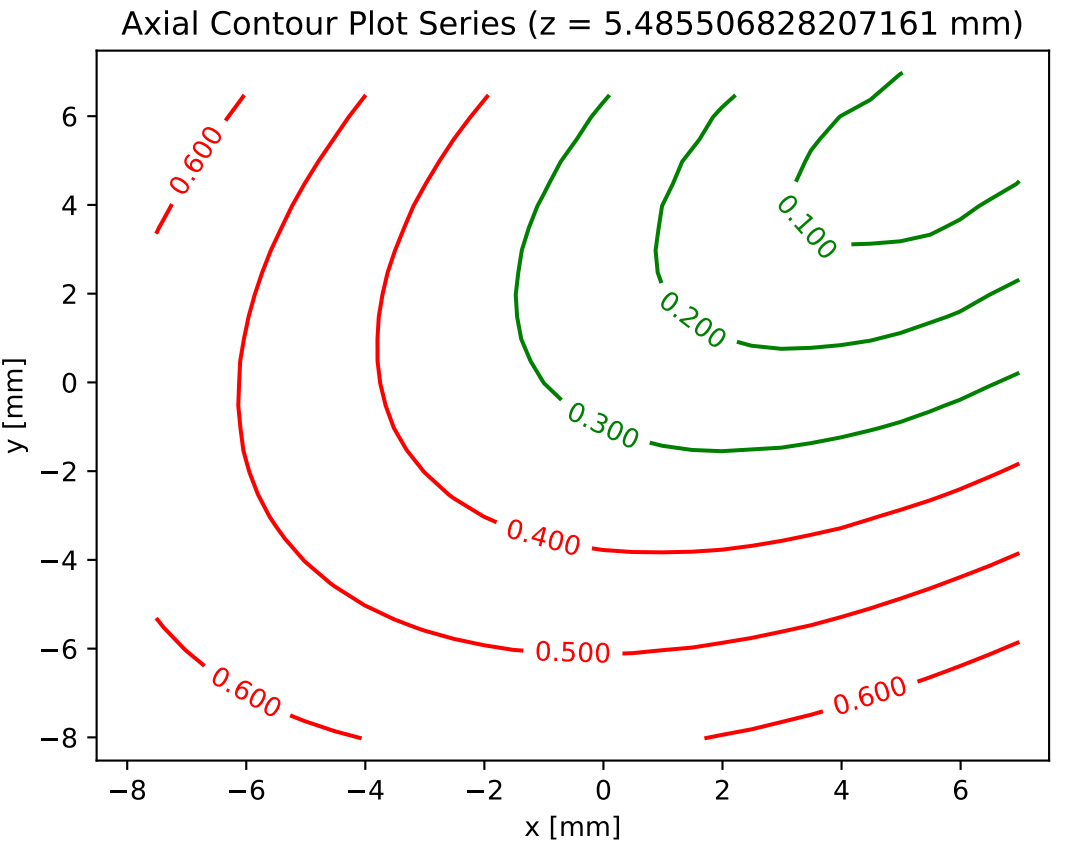

Axial Contour Plot Series (z = -4.514493171792839 mm)
0.560
0.480
0.320
0.240
0.160
0.080
0.160
0.400
0.480
0.560
y [mm]
x [mm]
6
4
2
0
−2
−4
−6
−8
−8
−6
−4
−2
0
2
4
6

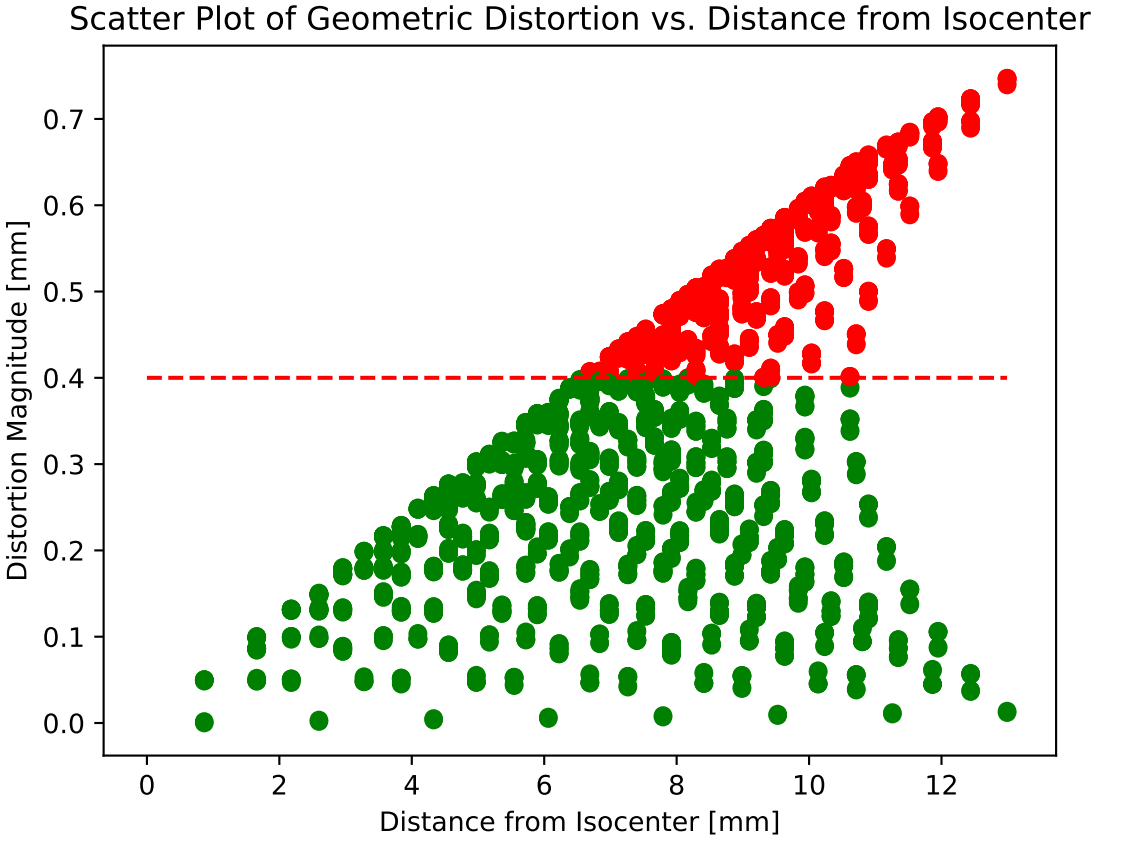

Axial Contour Plot Series (z = -2.5144931717928394 mm)
0.560
0.480
0.400
0.240
0.160
0.080
0.320
0.400
0.480
0.560
y [mm]
x [mm]
6
4
2
0
−2
−4
−6
−8
−8
−6
−4
−2
0
2
4
6


Axial Contour Plot Series (z = -0.5144931717928394 mm)
0.480
0.400
0.320
0.240
0.160
0.080
0.320
0.400
0.480
y [mm]
x [mm]
6
4
2
0
−2
−4
−6
−8
−8
−6
−4
−2
0
2
4
6


Axial Contour Plot Series (z = 1.4855068282071606 mm)
y [mm]
x [mm]
6
4
2
0
−2
−4
−6
−8
−8
−6
−4
−2
0
2
4
6
0.480
0.400
0.320
0.160
0.080
0.240
0.400
0.480
0.560

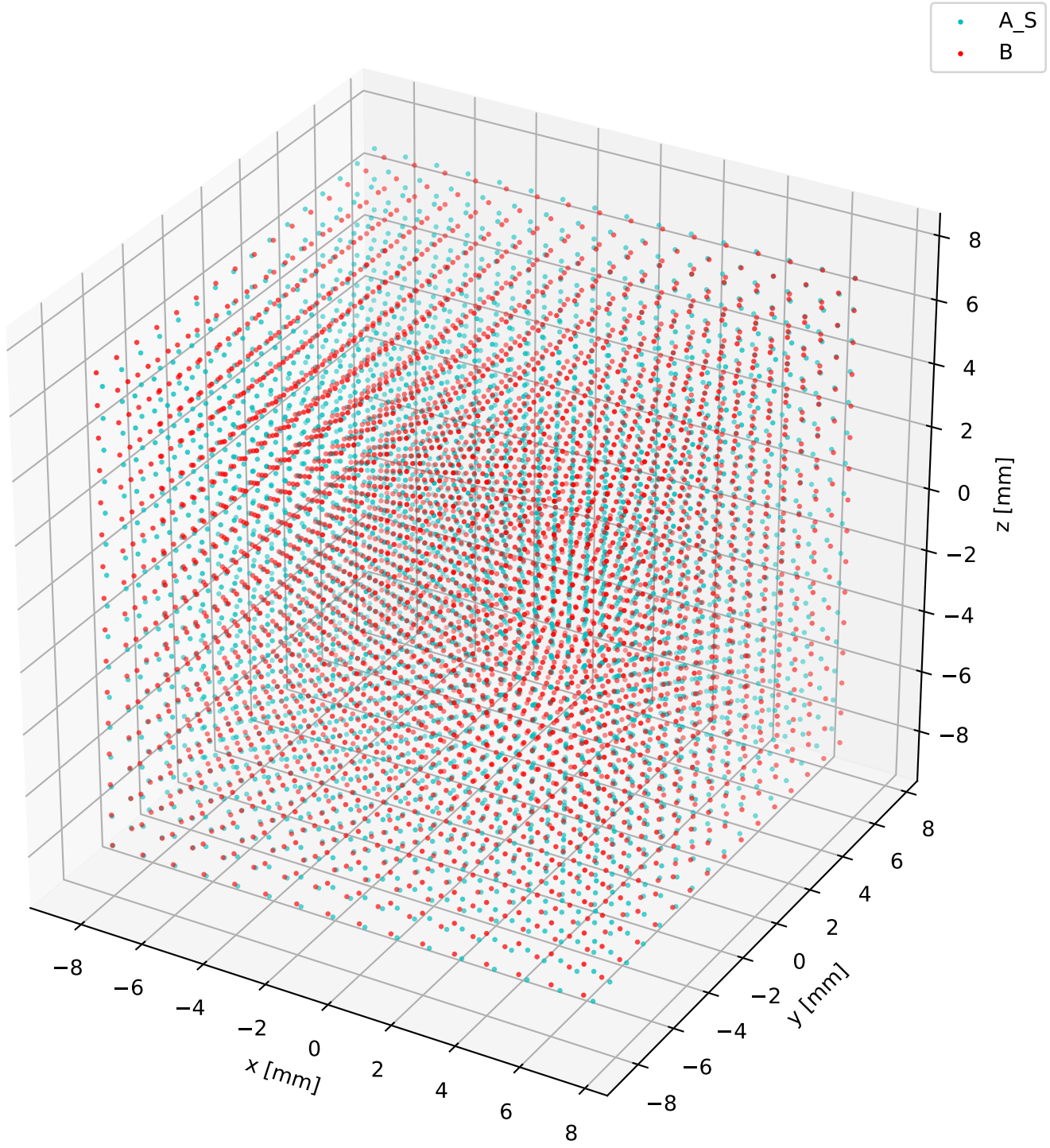

Axial Contour Plot Series (z = 3.4855068282071606 mm)
0.560
0.480
0.080
0.160
0.240
0.320
0.400
0.480
0.560
y [mm]
x [mm]
6
4
2
0
−2
−4
−6
−8
−8
−6
−4
−2
0
2
4
6

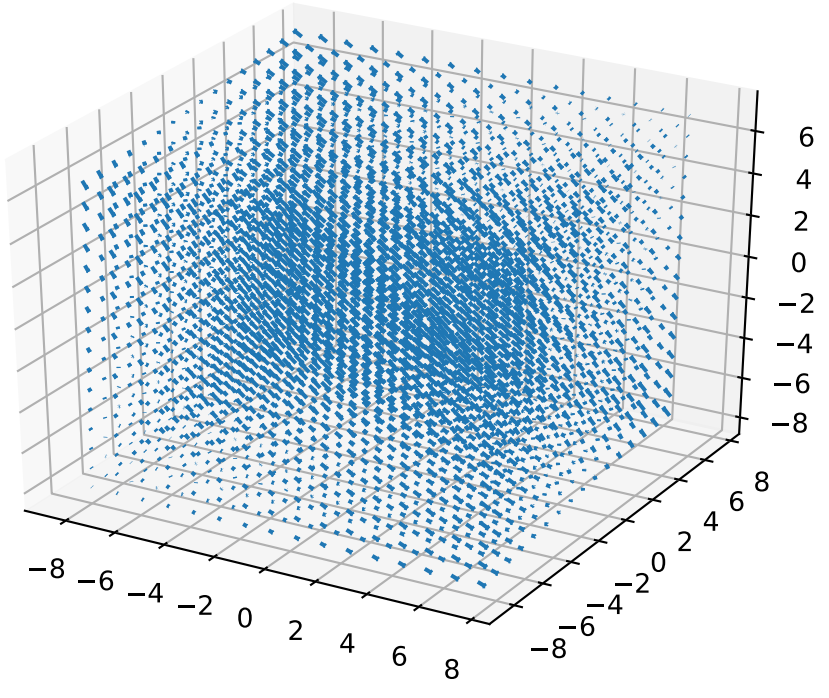

Axial Contour Plot Series (z = 5.485506828207161 mm)
0.600
0.100
0.200
0.300
0.400
0.500
0.600
0.600
y [mm]
x [mm]
6
4
2
0
−2
−4
−6
−8
−8
−6
−4
−2
0
2
4
6


Scatter Plot of Geometric Distortion vs. Distance from Isocenter
Distortion Magnitude [mm]
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
2
4
6
8
10
12
Distance from Isocenter [mm]

Error Table

Distance from Isocenter [mm]	Maximum Error [mm]	Average Error [mm]
1.0	0.066	0.054
2.0	0.125	0.098
3.0	0.185	0.146
4.0	0.246	0.193
5.0	0.306	0.24
6.0	0.367	0.288
7.0	0.428	0.335


A_S
B
x [mm]
y [mm]
z [mm]
−8
−6
−4
−2
0
2
4
6
8


6
4
2
0
−2
−4
−6
−8
−8 −6 −4 −2 0 2 4 6 8
−8 −6 −4 −2 0 2 4 6 8