

Greenwich Imaging: Cher MRI

MAGPHAN® RT

Monday December 2nd 2019

performed by Phantom Lab at 16:23 UTC

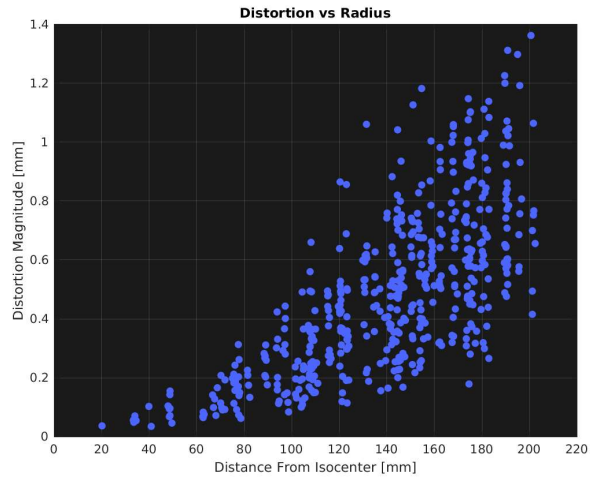
No user has signed off on this report

21 out of 21 tests completed.

Comments:

Magphan RT Distortion Analysis ○

Distortion Magnitude Plot + Add Comment



Fiducial Location Statistics Diameter 1 + Add Comment

Series Description: 03/30/17 172s

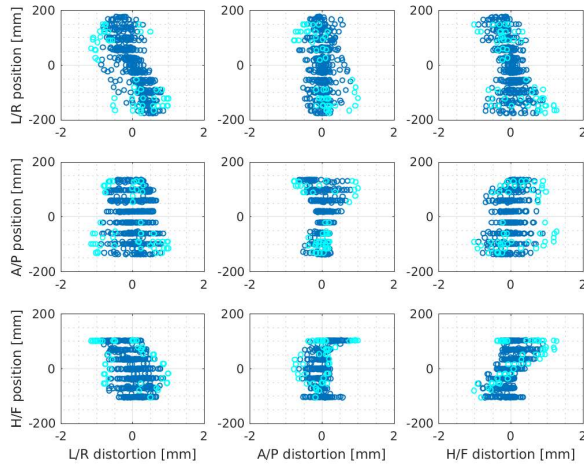
Diameter [mm]	Max Distortion Magnitude	Mean Distortion Mag Top 10%	Max X Distortion	Max Y Distortion	Max Z Distortion	Mean X Distortion Top 10%	Mean Y Distortion Top 10%	Mean Z Distortion Top 10%
200	0.450	0.360	0.440	0.160	0.260	0.350	0.100	0.190

Fiducial Location Statistics Diameter 2 + Add Comment

Series Description: 03/30/17 172s

Diameter [mm]	Max Distortion Magnitude	Mean Distortion Mag Top 10%	Max X Distortion	Max Y Distortion	Max Z Distortion	Mean X Distortion Top 10%	Mean Y Distortion Top 10%	Mean Z Distortion Top 10%
350	1.180	0.360	0.440	0.160	0.260	0.350	0.100	0.190

Fit Distortions Plot + Add Comment



SNR Analysis ○

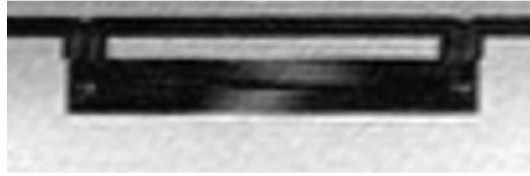
Signal-to-Noise Ratio

[+ Add Comment](#)

43.5

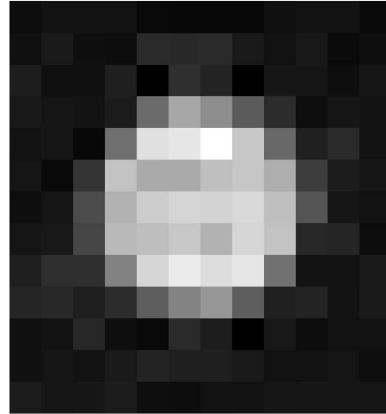
Slice Thickness Measurements o

ROI of Slice Thickness Ramp [+ Add Comment](#)



Slice Thickness Measurement [+ Add Comment](#) 2.4

MTF Analysis o



MTF Aperture Region of Interest

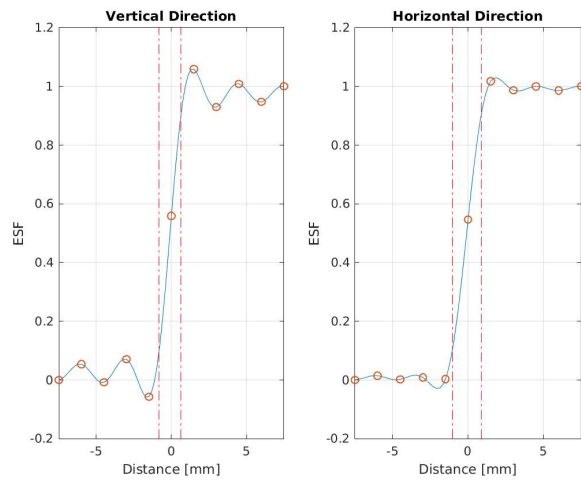
[+ Add Comment](#)

Edge Spread Function 10-90 Transition Widths [+ Add Comment](#)

Series Description: 03/30/17 172s

Col 10-90 Width [mm]	Row 10-90 Width [mm]
1.910	1.450

Edge Spread Function Plot [+ Add Comment](#)

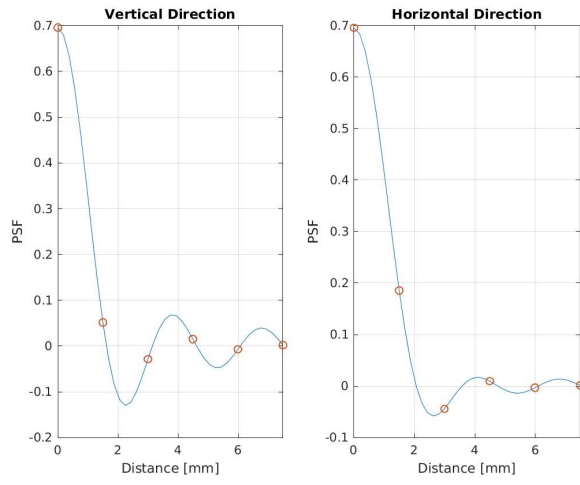


PSF Full-Width-Half-Max Value [+ Add Comment](#)

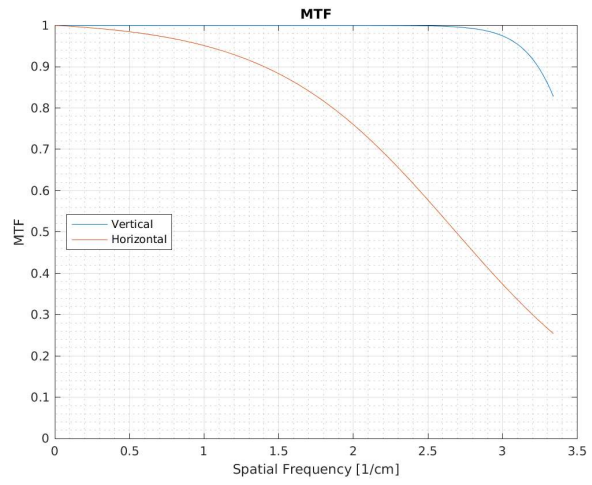
Series Description: 03/30/17 172s

Horizontal FWHM [mm]	Vertical FWHM [mm]
2.290	1.920

Point Spread Function Plot [+ Add Comment](#)



MTF Plot



Feature Set Uniformity Analysis ○

Signal Uniformity Statistics Diameter 1 + Add Comment

Series Description: 03/30/17 172s

Diameter [mm]	Mean Signal	Normalized Standard Deviation	Normalized Spread
150	202	0.180	0.640

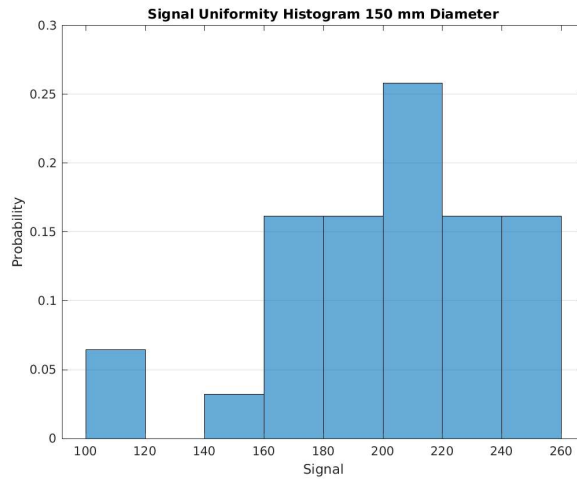
Signal Uniformity Statistics Diameter 2 + Add Comment

Series Description: 03/30/17 172s

Diameter [mm]	Mean Signal	Normalized Standard Deviation	Normalized Spread
300	287	0.300	0.970

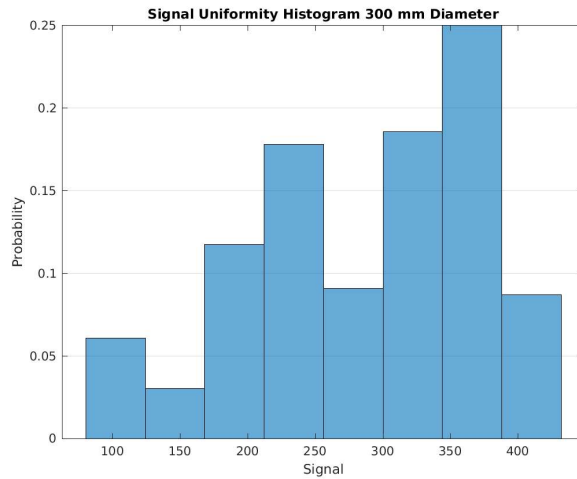
Uniformity Histogram for Diameter 1

+ Add Comment



Uniformity Histogram for Diameter 2

+ Add Comment



Phantom Placement Test o

Laser Alignment Placement Test, Translational Offsets + Add Comment

Series Description: 03/30/17 172s

Left [mm]	Anterior [mm]	Head [mm]
-0.2	0.1	0.0

Laser Alignment Test, Angular Deviation of Phantom: Yaw, Pitch, Roll + Add Comment

Series Description: 03/30/17 172s

Yaw Angle [deg]	Pitch Angle [deg]	Roll Angle [deg]
0.50	-0.10	-0.30

Scan Parameters ○

Scan Parameters

Series Description: 03/30/17 172s

Parameter	Units	Value
Slice Thickness	mm	1.5
Pixel Spacing [row;col]	mm	1.50 1.50
Number of Rows	-	300
Number of Columns	-	334
Slice Orientation	-	axial
Series Description	-	03/30/17 172s
Series Date	-	20170330

Result Download

Download results as JSON

5de56948ee9df6_88751931_25004_10_10_11_18.json

