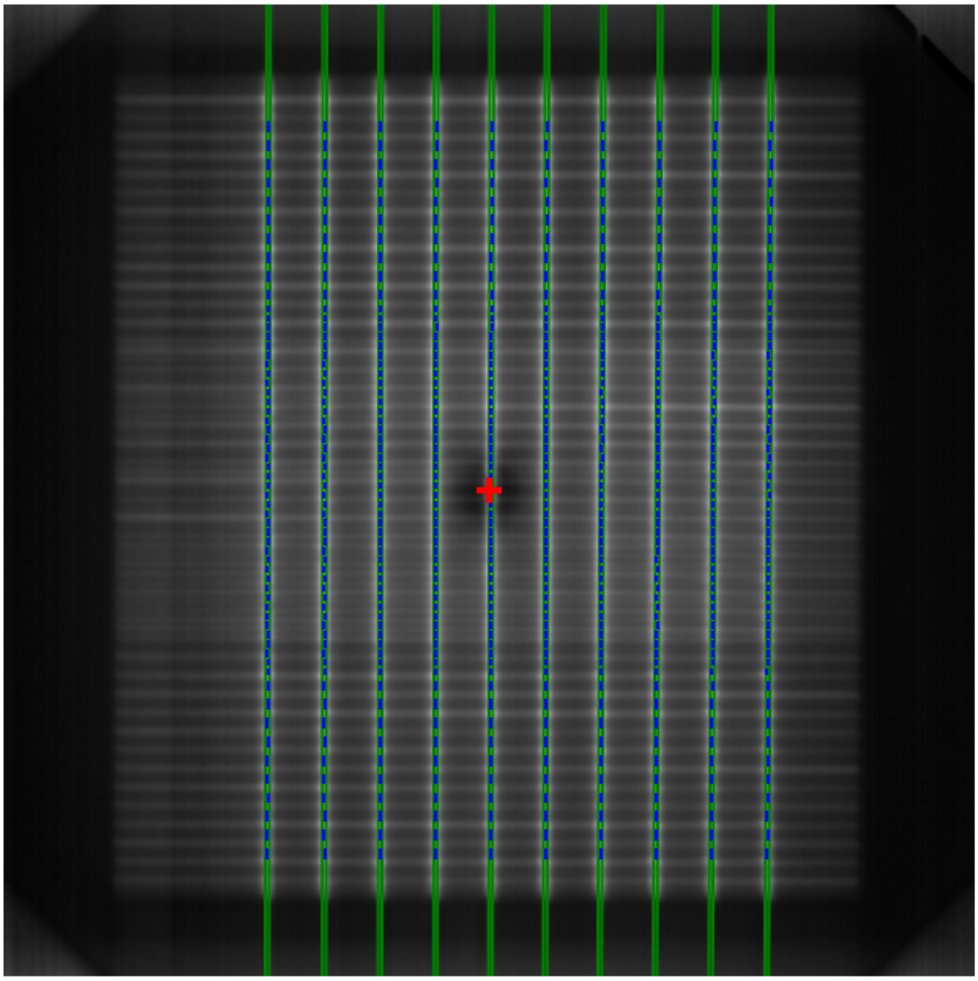
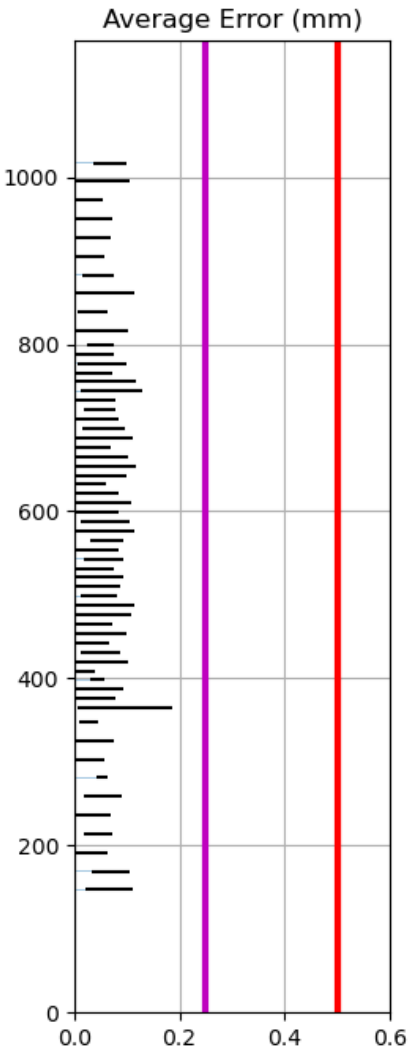
Picket Fence Analysis

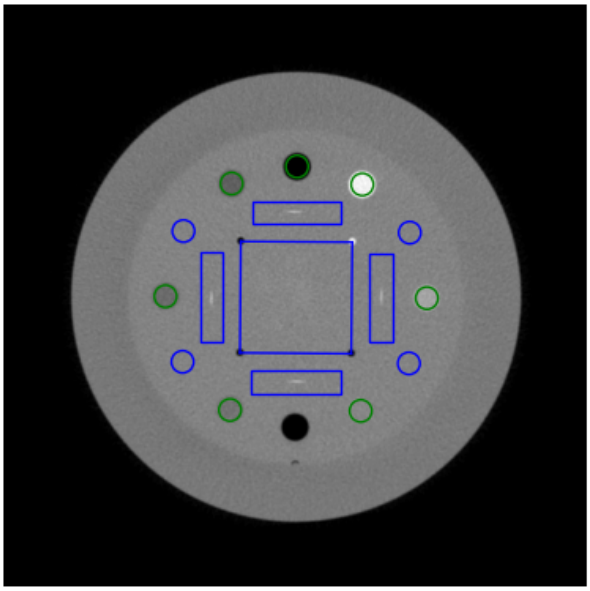
Picket Fence results:
Magnification factor (SID/SAD): 1.50
Tolerance (mm): 0.5
Leaves passing (%): 100.0
Absolute median error (mm): 0.041
Mean picket spacing (mm): 14.9
Maximum error (mm): 0.219 on Picket 9, Leaf [10]
Gantry Angle: 187.04
Collimator Angle: 0.00

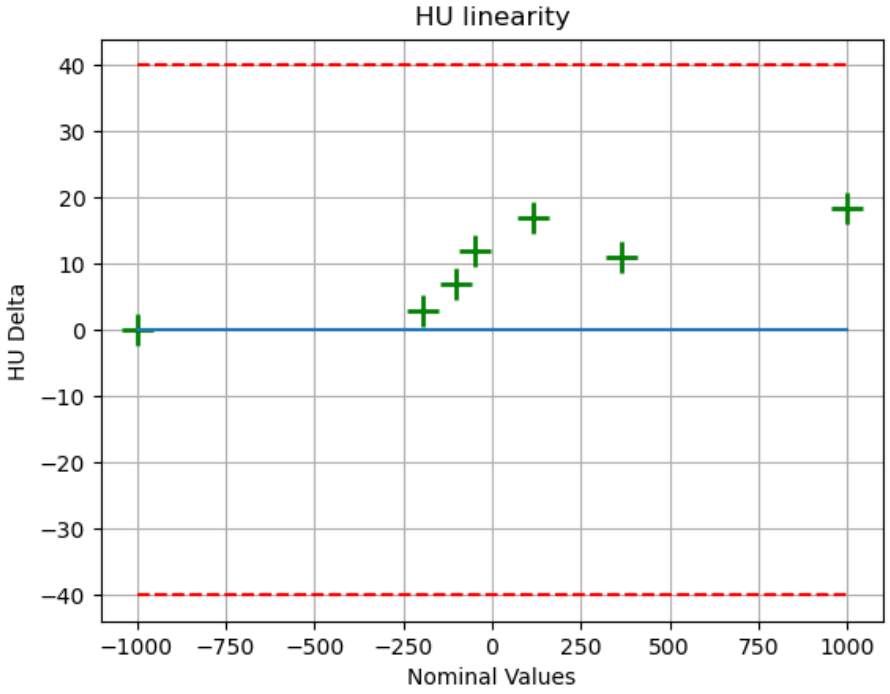




CatPhan 504 Analysis

- CTP404 Results -
HU Linearity tolerance: 40
HU Linearity ROIs: Air: -1000.0, PMP: -193.0, LDPE: -97.0, Poly: -35.0, Acrylic: 132.0, Delrin: 376.0, Teflon: 1018.5
Geometric node spacing (mm): 50.03
Slice thickness (mm): 1.78
Low contrast visibility: 1.87



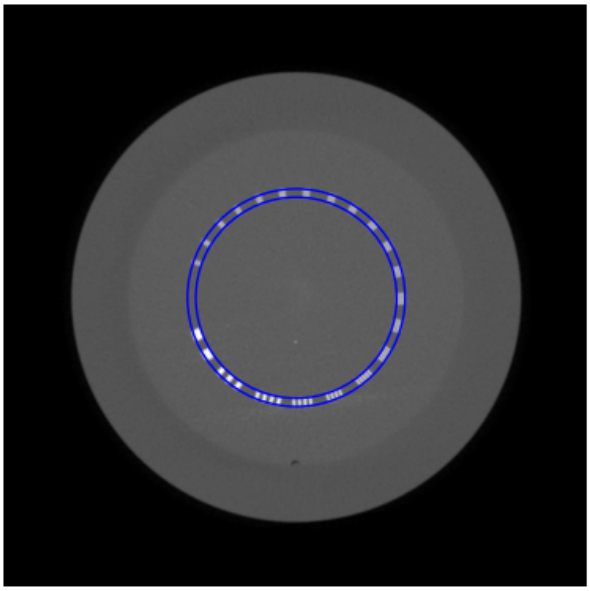


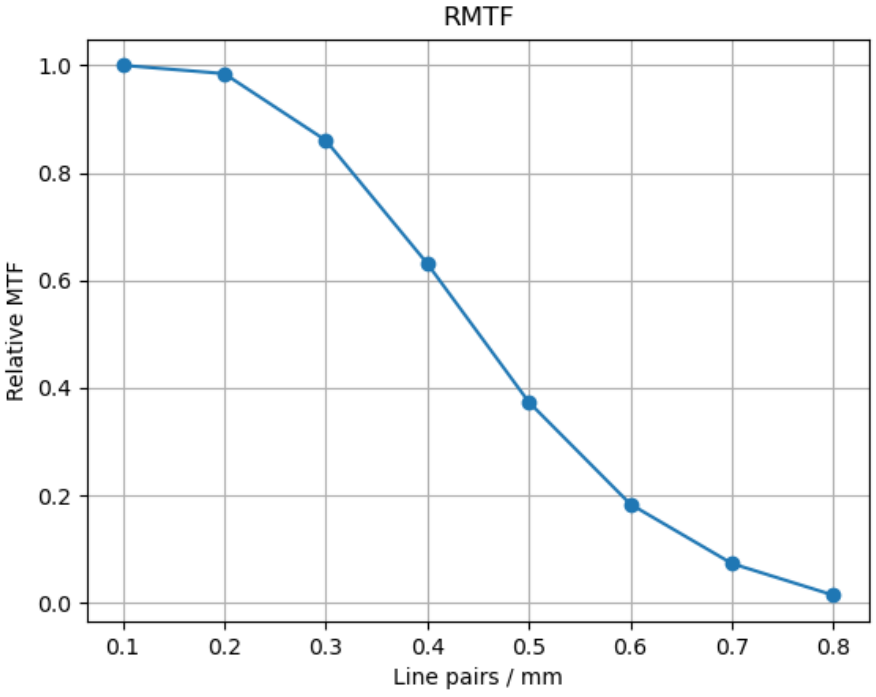
Notes:

testing

CatPhan 504 Analysis

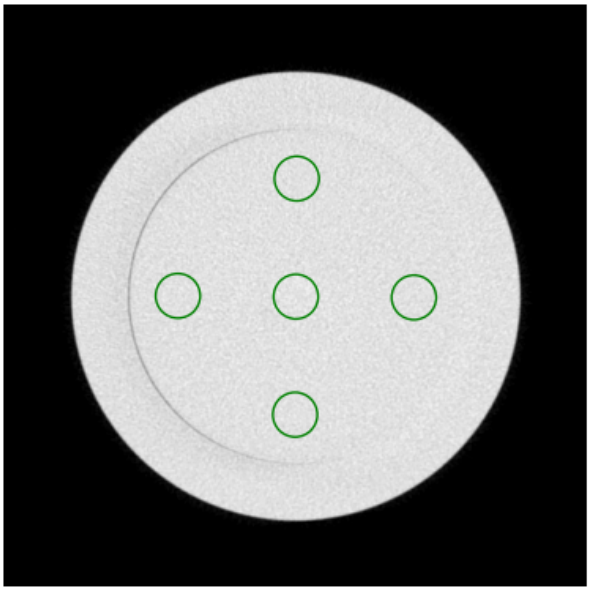
- CTP528 Results -
MTF 80% (lp/mm): 0.33
MTF 50% (lp/mm): 0.45
MTF 30% (lp/mm): 0.54

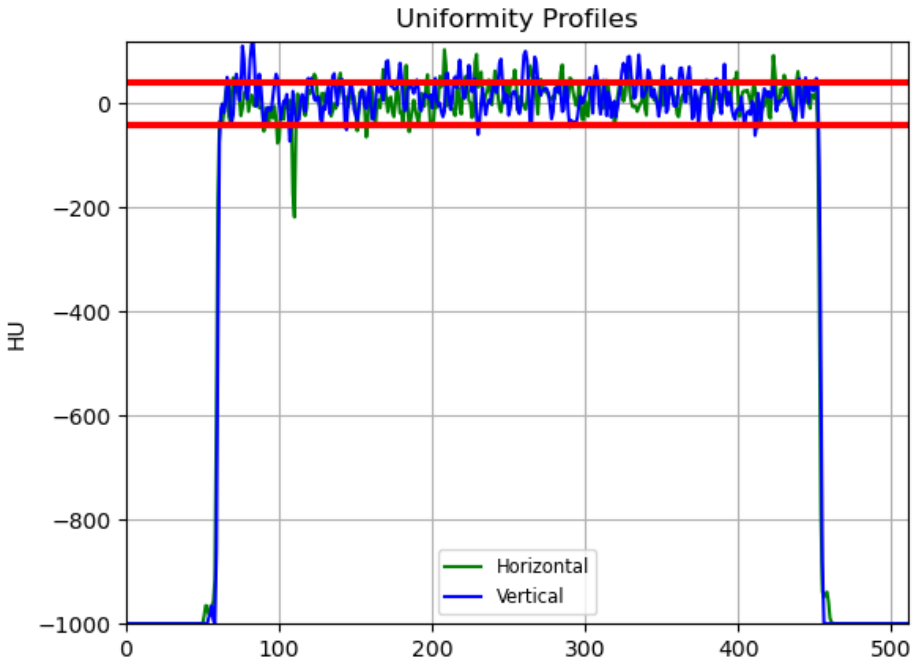




CatPhan 504 Analysis

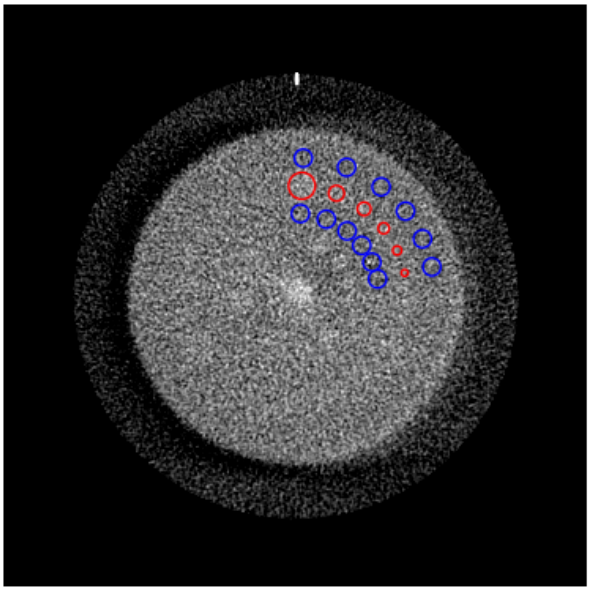
- CTP486 Results -
Uniformity tolerance: 40
Uniformity ROIs: Top: 13.0, Right: 14.0, Bottom: 14.0, Left: 12.0, Center: 26.0
Uniformity Index: -1.36
Integral non-uniformity: 0.0069





CatPhan 504 Analysis

- CTP515 Results -
CNR threshold: 15
Low contrast ROIs "seen": 0

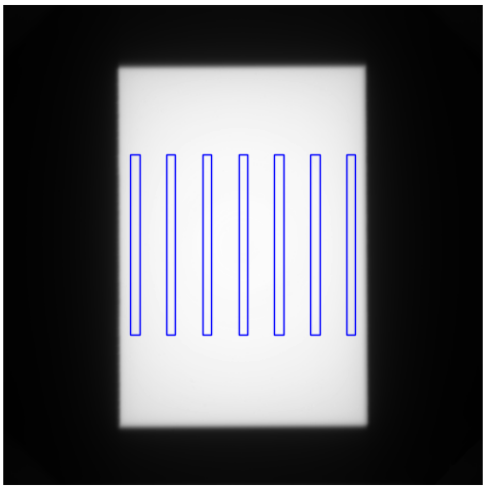


DR/GS VMAT Analysis

Dose Rate & Gantry Speed VMAT results:
Source-to-Image Distance (mm): 1500
Tolerance (%): 1.5
Absolute mean deviation (%): 0.62
Maximum deviation (%): 0.99

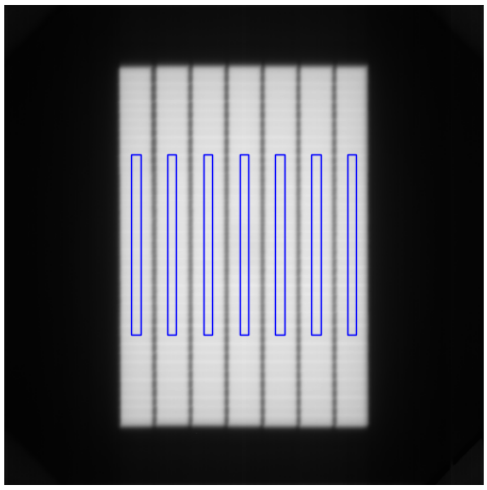
Open Image

20211223_181915_6x [MV]_G243_C360_T360_1.dcm

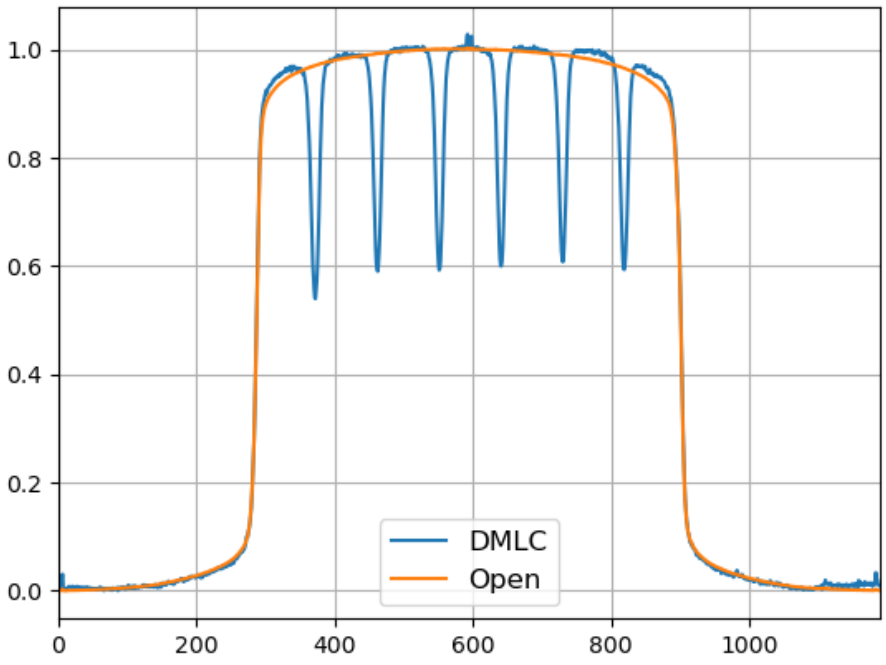


DMLC Image

20211223_181804_6x [MV]_G243_C360_T3



Median profiles

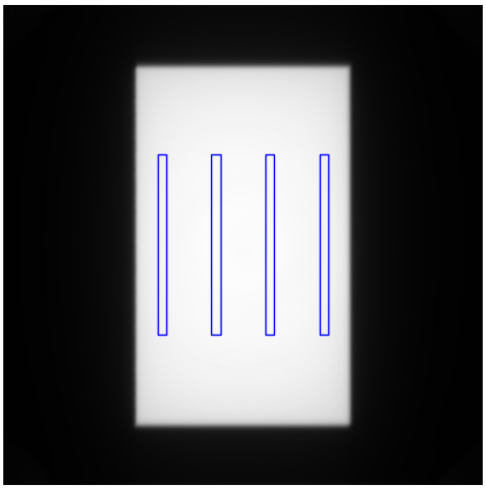


DR/MLCS VMAT Analysis

Dose Rate & MLC Speed VMAT results:
Source-to-Image Distance (mm): 1500
Tolerance (%): 1.5
Absolute mean deviation (%): 0.45
Maximum deviation (%): 0.89

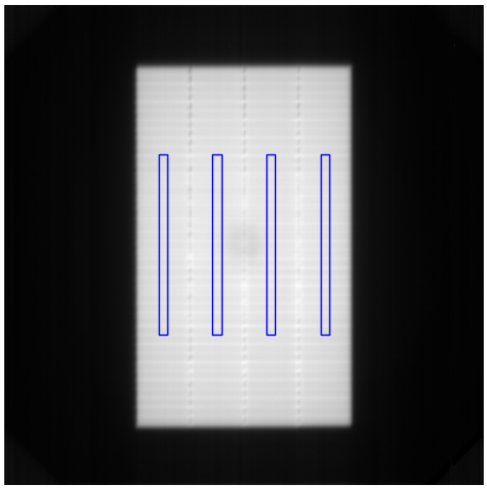
Open Image

20220120_175430_6x [MV]_G32_C360_T0_2.dcm

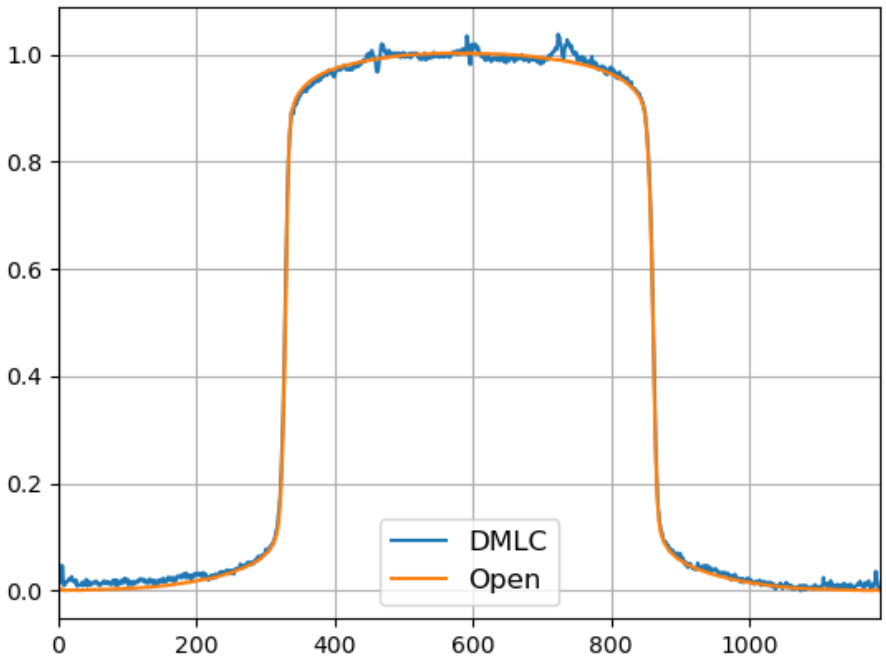


DMLC Image

20220120_175353_6x [MV]_G32_C360_T0_

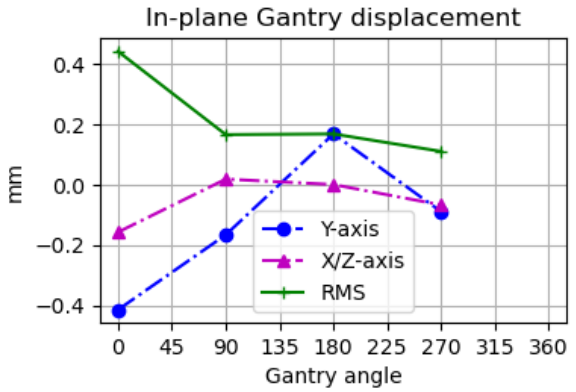


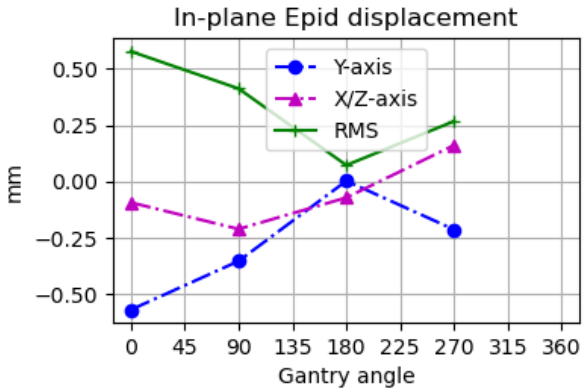
Median profiles

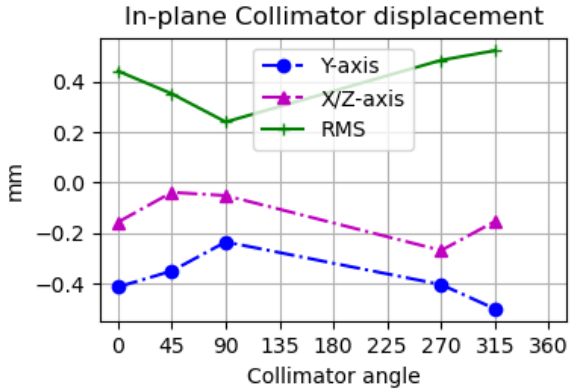


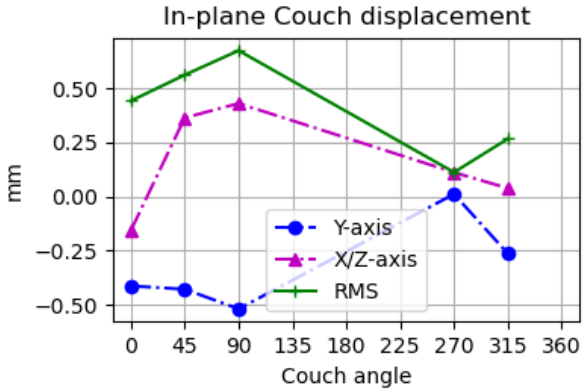
Winston-Lutz Analysis

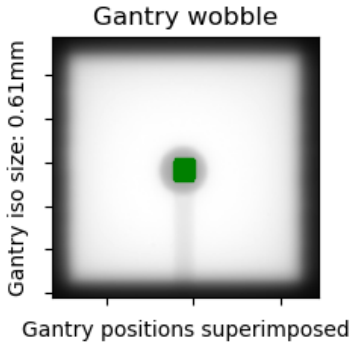
Winston-Lutz Analysis
==========
Number of images: 12
Maximum 2D CAX->BB distance: 0.67mm
Median 2D CAX->BB distance: 0.31mm
Shift to iso: facing gantry, move BB: RIGHT 0.10mm; IN 0.25mm; UP 0.04mm
Gantry 3D isocenter diameter: 0.61mm (4/12 images considered)
Maximum Gantry RMS deviation (mm): 0.17mm
Maximum EPID RMS deviation (mm): 0.68mm
Gantry+Collimator 3D isocenter diameter: 0.69mm (8/12 images considered)
Collimator 2D isocenter diameter: 0.28mm (5/12 images considered)
Maximum Collimator RMS deviation (mm): 0.52
Couch 2D isocenter diameter: 0.62mm (5/12 images considered)
Maximum Couch RMS deviation (mm): 0.67

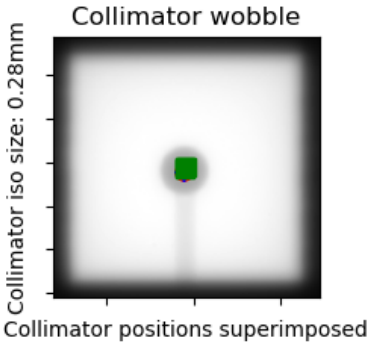


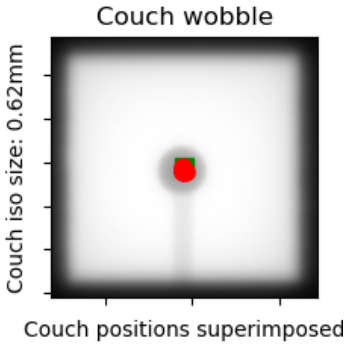






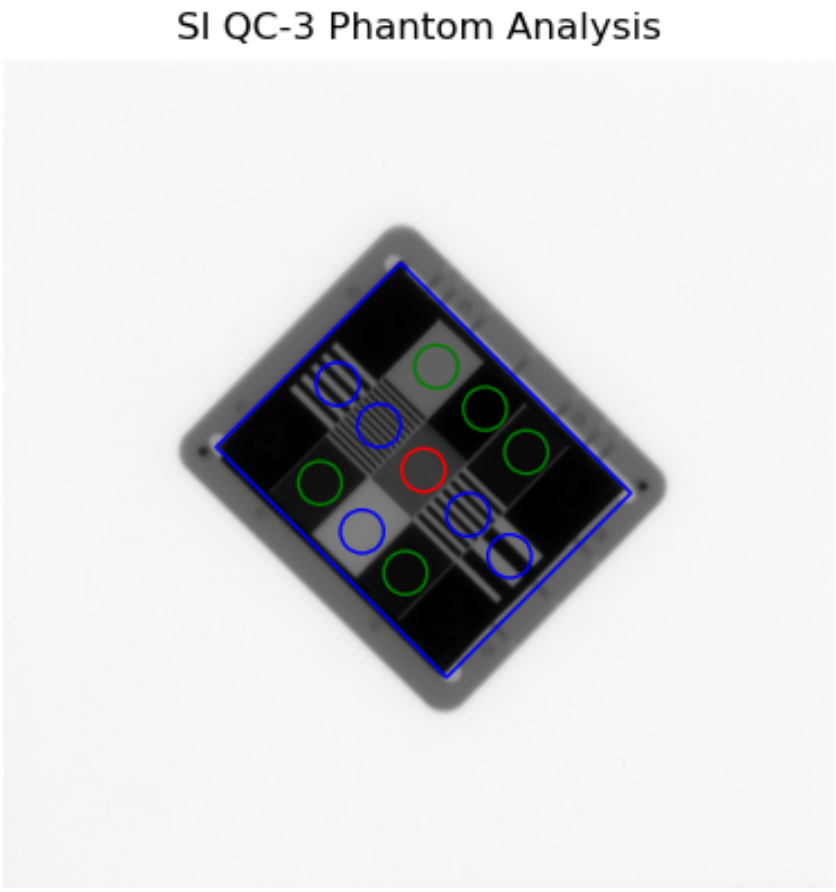






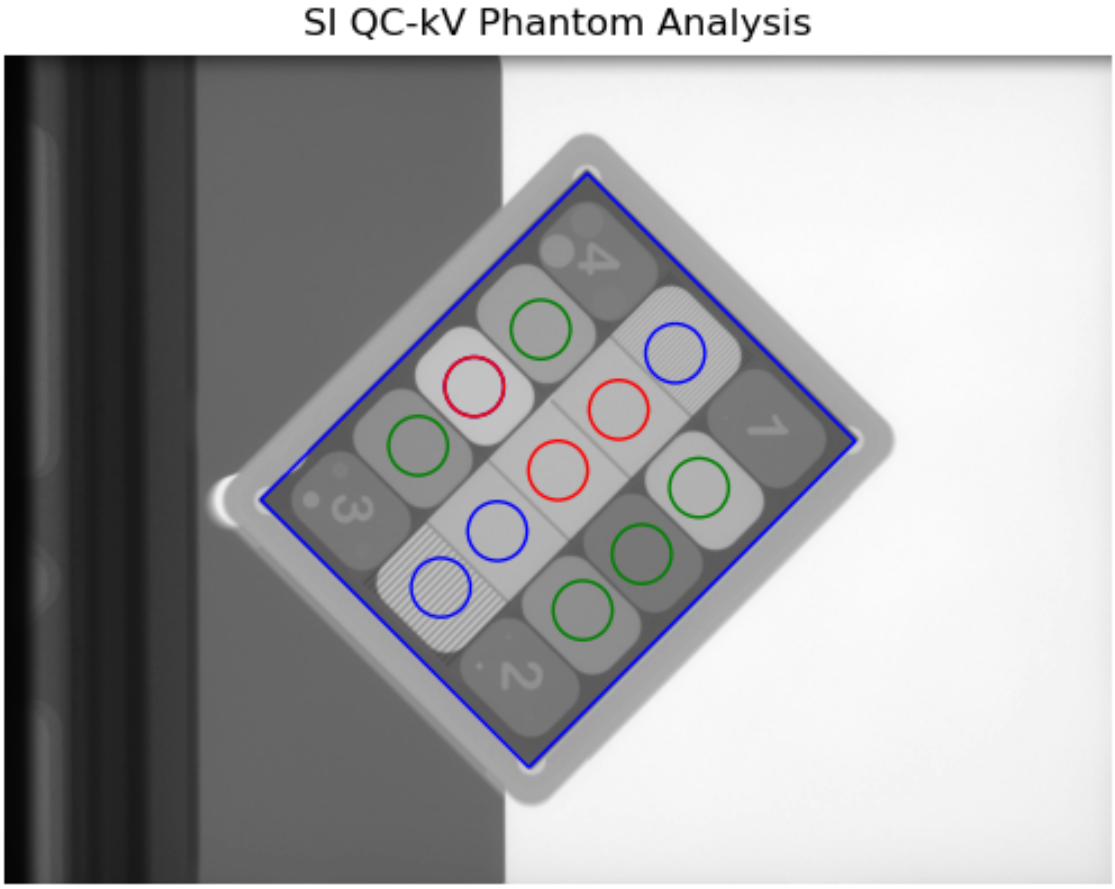
SI QC-3 Phantom Analysis

SI QC-3 results:■File: C:\Users\kjaps\Documents\Coding\GitHub\p...9_175938_2.5x [MV]

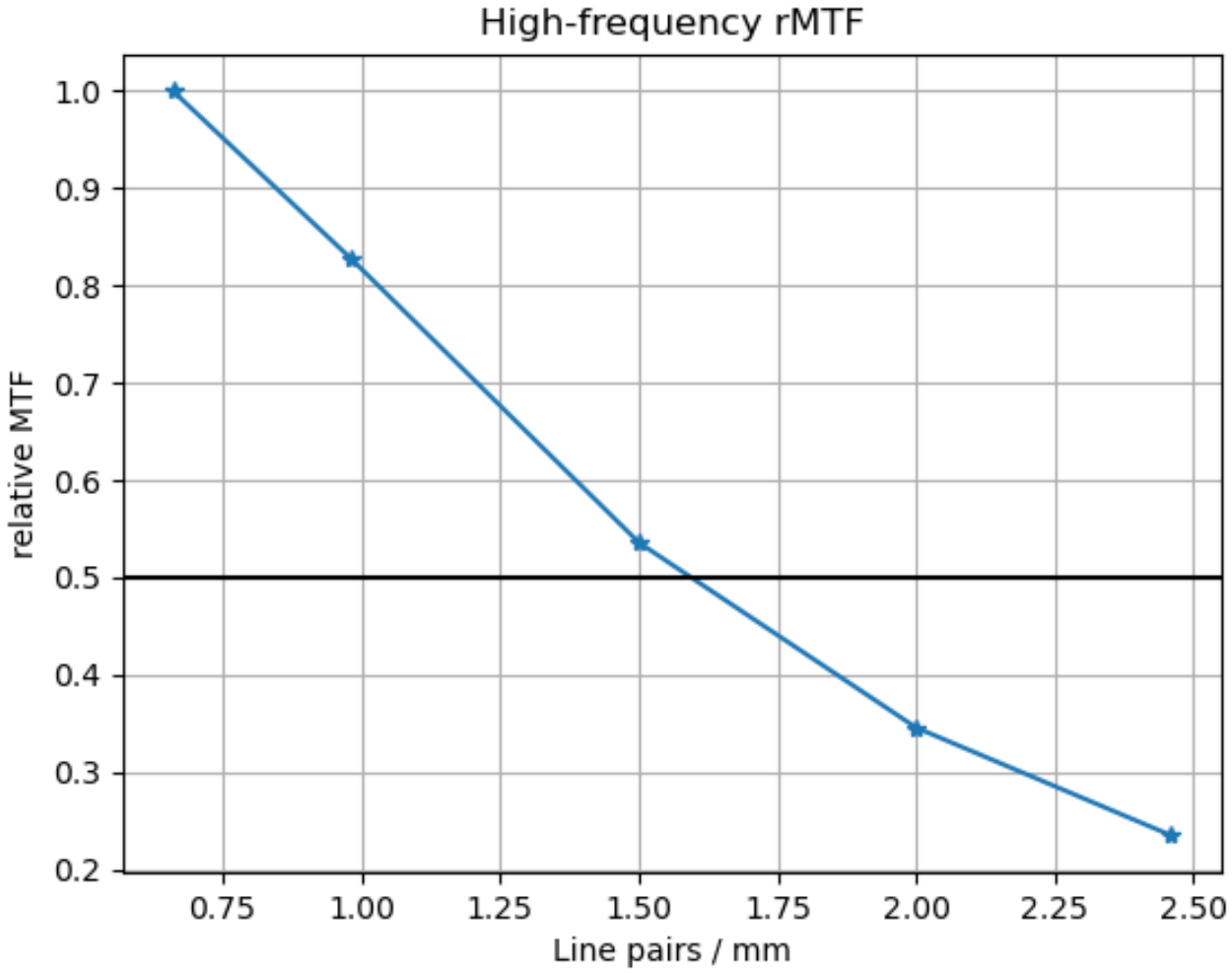


SI QC-kV Phantom Analysis

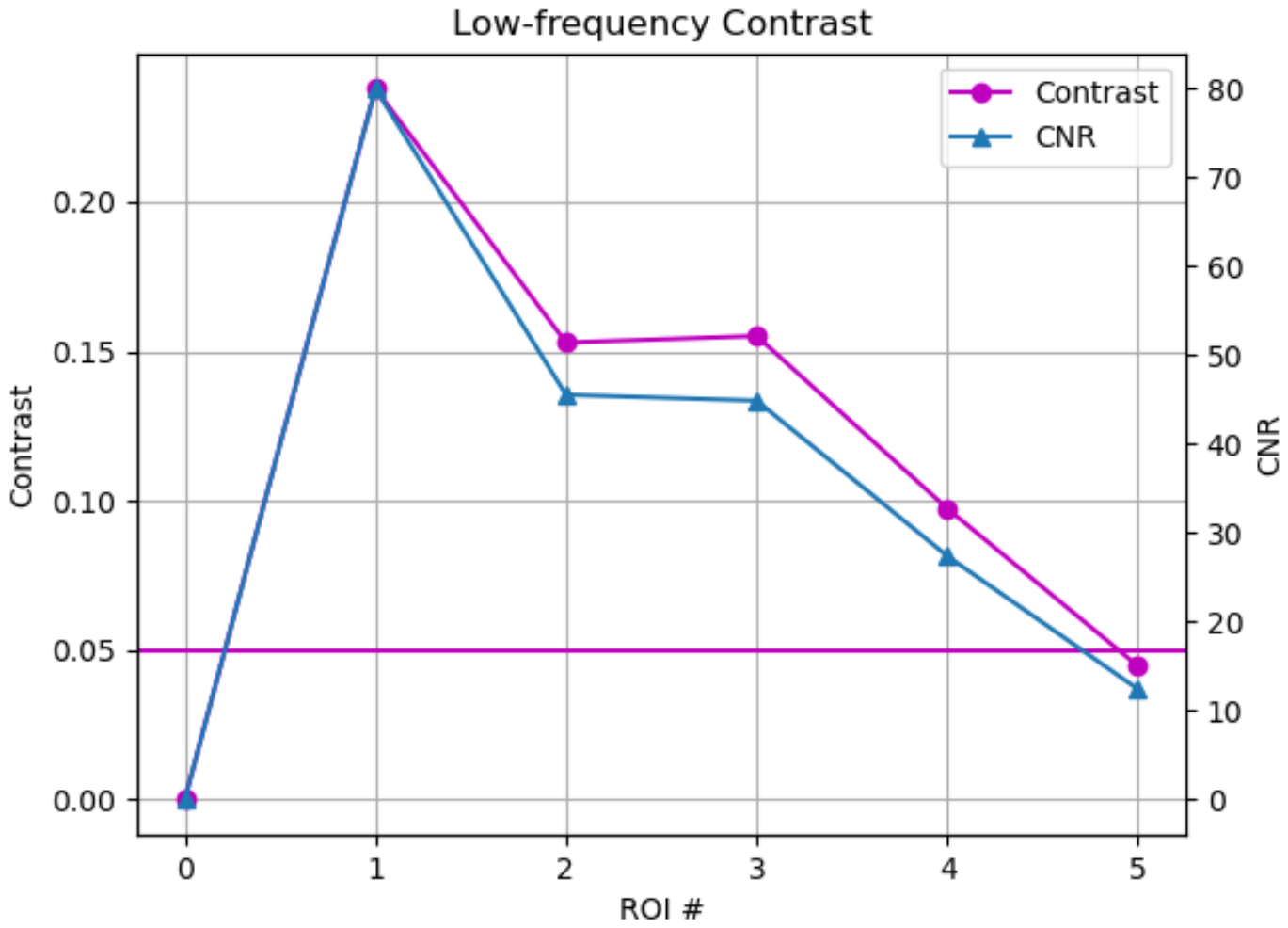
SI QC-kV results:■File: C:\Users\kjaps\Documents\Coding\GitHub\p...19_180233_100 [k



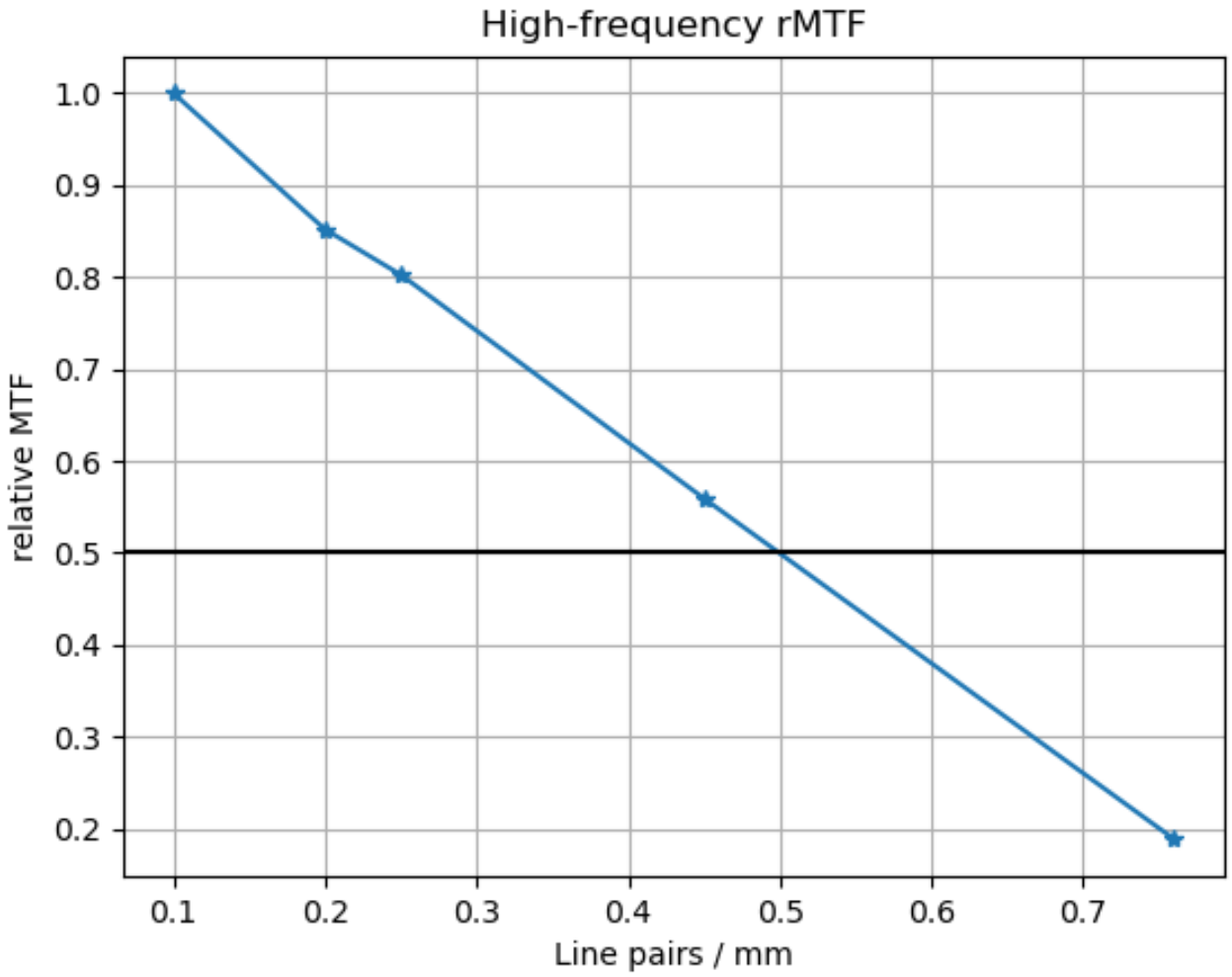
SI QC-kV Phantom Analysis



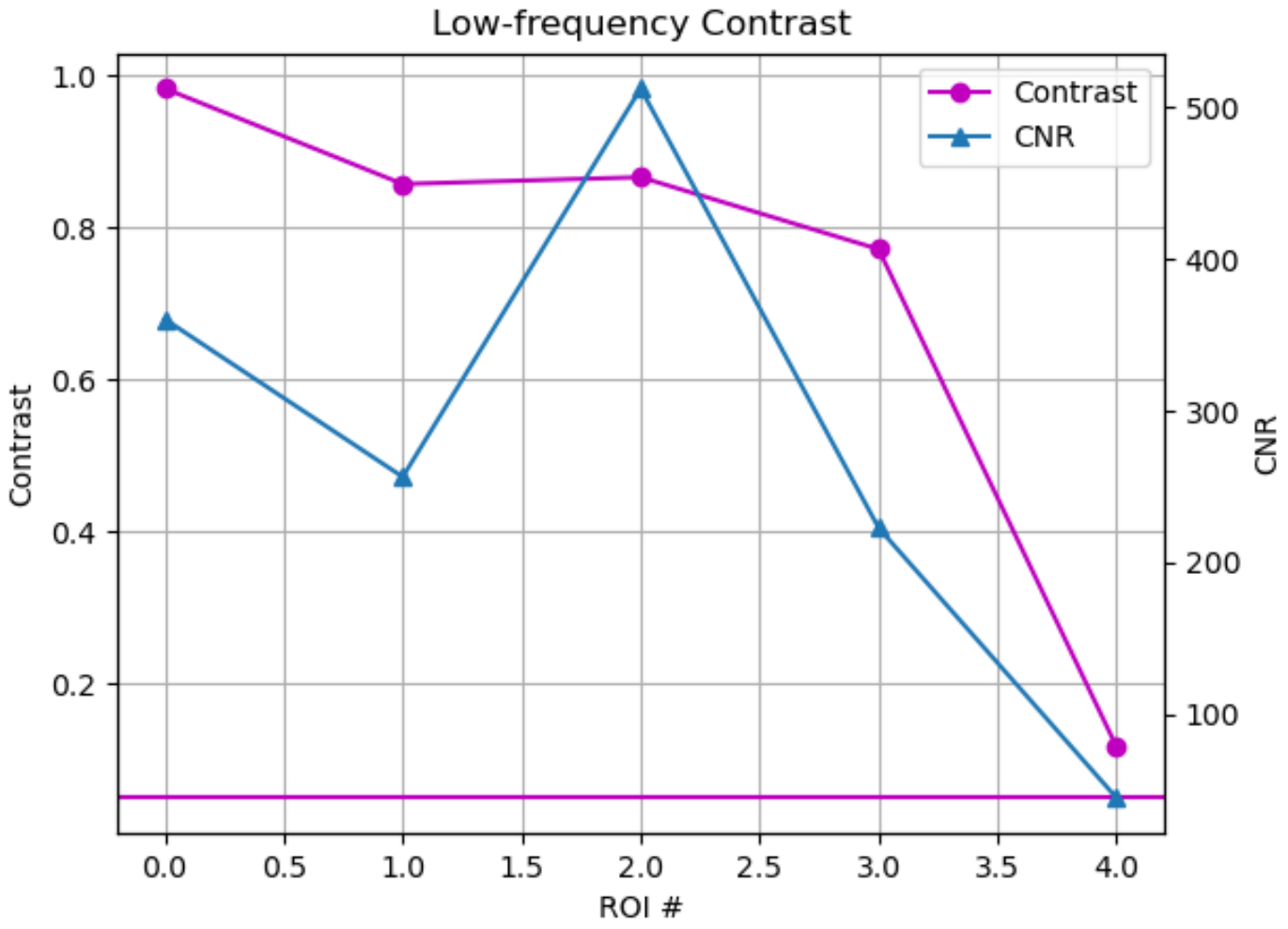
SI QC-kV Phantom Analysis



SI QC-3 Phantom Analysis

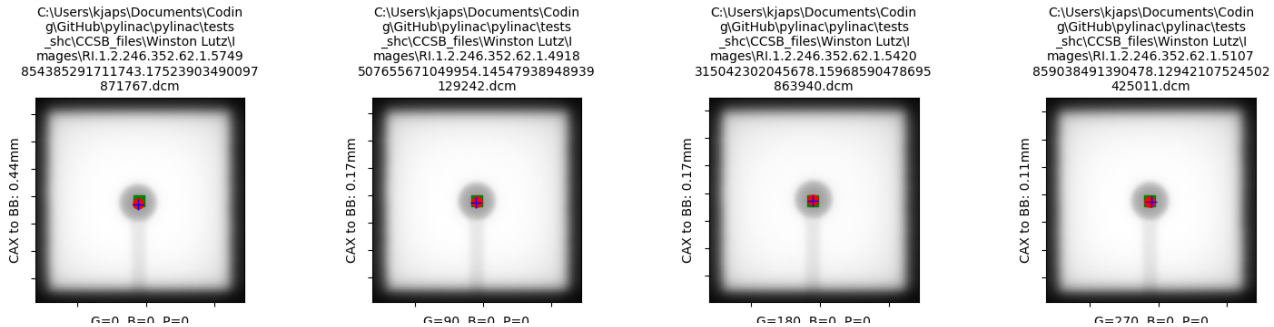


SI QC-3 Phantom Analysis



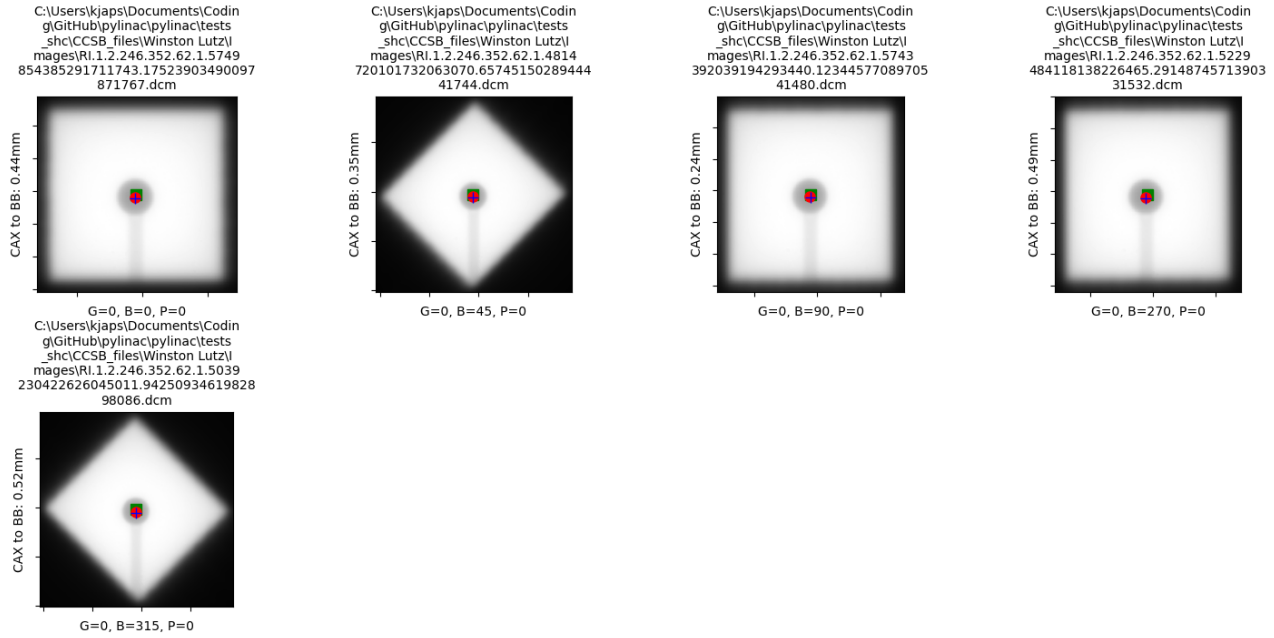
Winston-Lutz Analysis

Gantry images



Winston-Lutz Analysis

Collimator images



Winston-Lutz Analysis

Couch images