



# Winston-Lutz Analysis

## Metadata:

Autor: William A. P. dos Santos

Função: Físico

Acelerador Linear: Synergy Full

Modelo MLC: Agility

## Winston-Lutz Analysis

Number of images: 8

Maximum 2D CAX->BB distance: 1.41mm

Median 2D CAX->BB distance: 0.76mm

Shift to iso: facing gantry, move BB: RIGHT 0.09mm; IN 0.05mm; DOWN 0.50mm

Gantry 3D isocenter diameter: 1.17mm (4/8 images considered)

Maximum Gantry RMS deviation (mm): 0.69mm

Maximum EPID RMS deviation (mm): 2.48mm

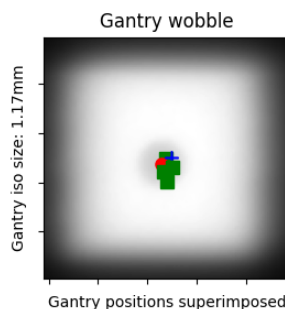
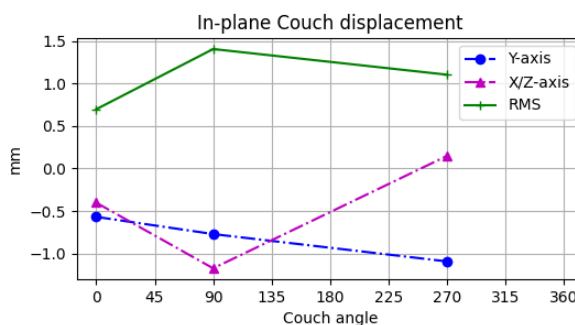
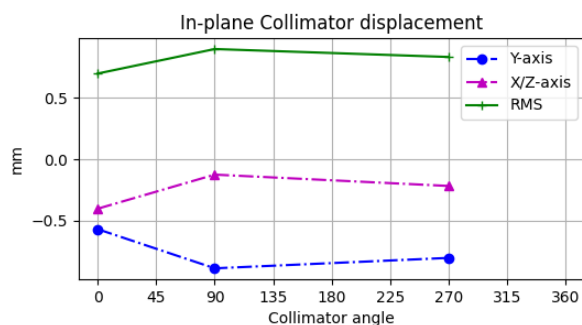
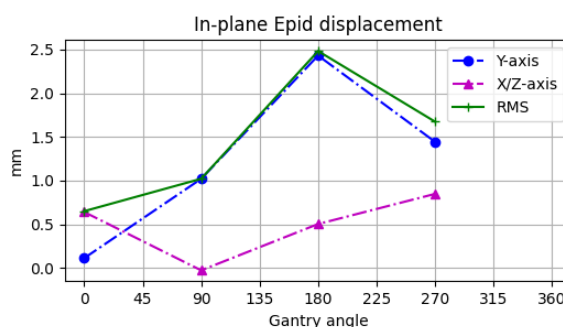
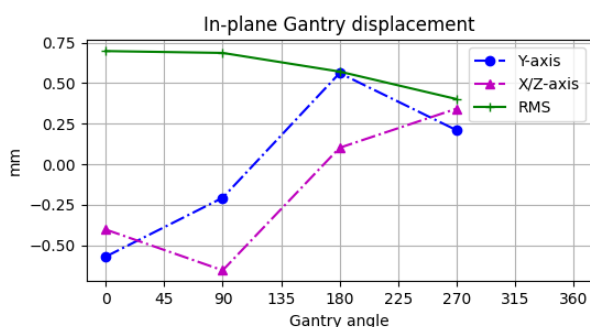
Gantry+Collimator 3D isocenter diameter: 1.45mm (6/8 images considered)

Collimator 2D isocenter diameter: 0.42mm (3/8 images considered)

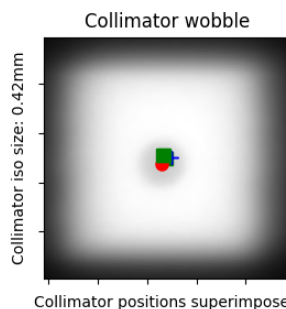
Maximum Collimator RMS deviation (mm): 0.90

Couch 2D isocenter diameter: 1.36mm (3/8 images considered)

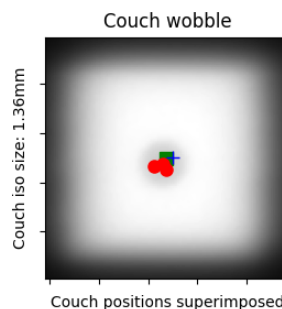
Maximum Couch RMS deviation (mm): 1.41



Gantry positions superimposed



Collimator positions superimposed



Couch positions superimposed

## Notes:

Análise de Winston-Lutz com pylinac

Campo 2 cm X 2 cm

Tolerância: 1 mm

Limite de ação: 0.8 mm

Local das imagens: ./WL\WL\_2019-10-01\_analisado



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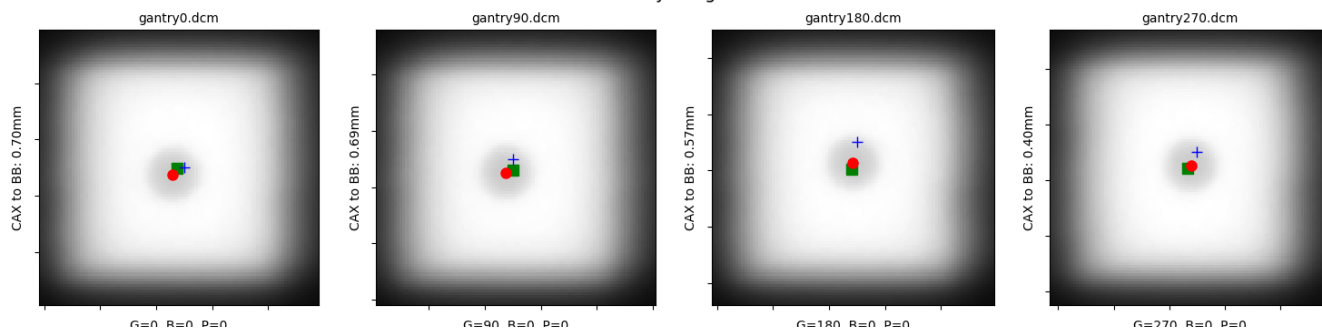
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Gantry images





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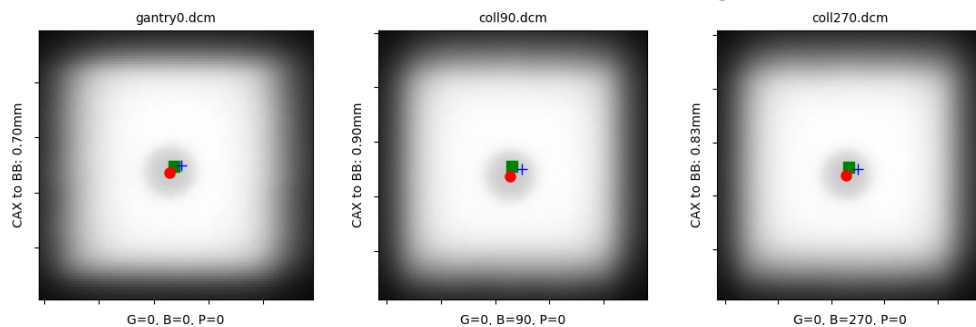
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Collimator images





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