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: 9

Maximum 2D CAX->BB distance: 1.10mm

Median 2D CAX->BB distance: 0.67mm

Shift to iso: facing gantry, move BB: LEFT 0.12mm; IN 0.29mm; UP 0.02mm

Gantry 3D isocenter diameter: 1.19mm (4/9 images considered)

Maximum Gantry RMS deviation (mm): 0.70mm
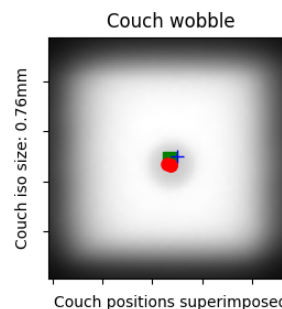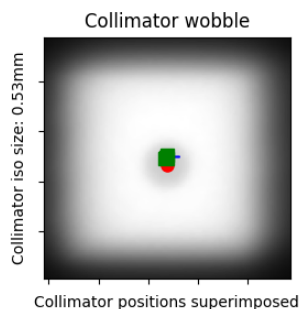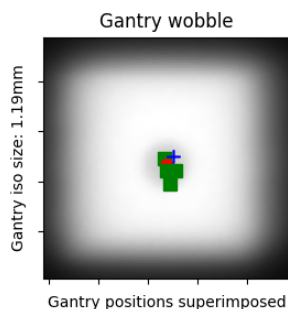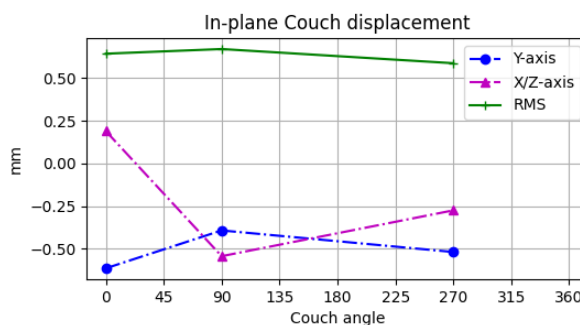
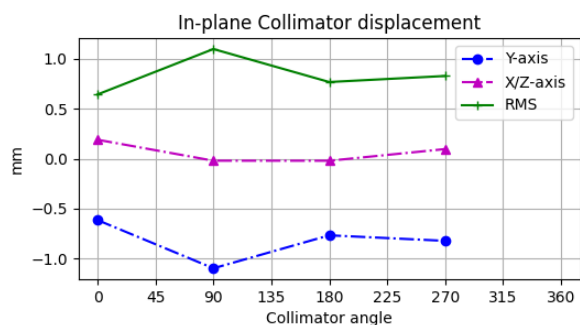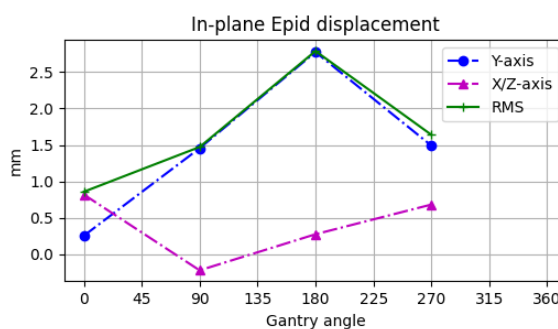Maximum EPID RMS deviation (mm): 2.79mm

Gantry+Collimator 3D isocenter diameter: 1.71mm (7/9 images considered)

Collimator 2D isocenter diameter: 0.53mm (4/9 images considered)

Maximum Collimator RMS deviation (mm): 1.10

Couch 2D isocenter diameter: 0.76mm (3/9 images considered)

Maximum Couch RMS deviation (mm): 0.67
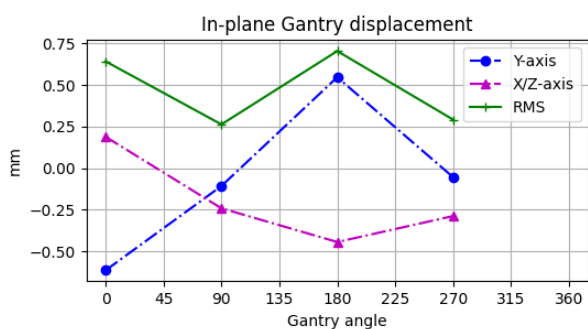
Notes:

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_IOSP_20201216\WL_2020-11-04

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Gantry images
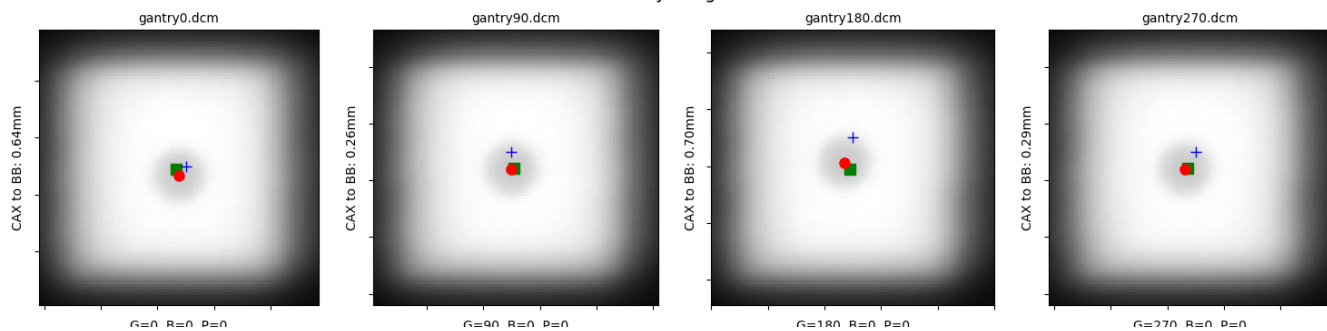
gantry0.dcm — CAX to BB: 0.64mm — G=0, B=0, P=0
gantry90.dcm — CAX to BB: 0.26mm — G=90, B=0, P=0
gantry180.dcm — CAX to BB: 0.70mm — G=180, B=0, P=0
gantry270.dcm — CAX to BB: 0.29mm — G=270, B=0, P=0

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Collimator images
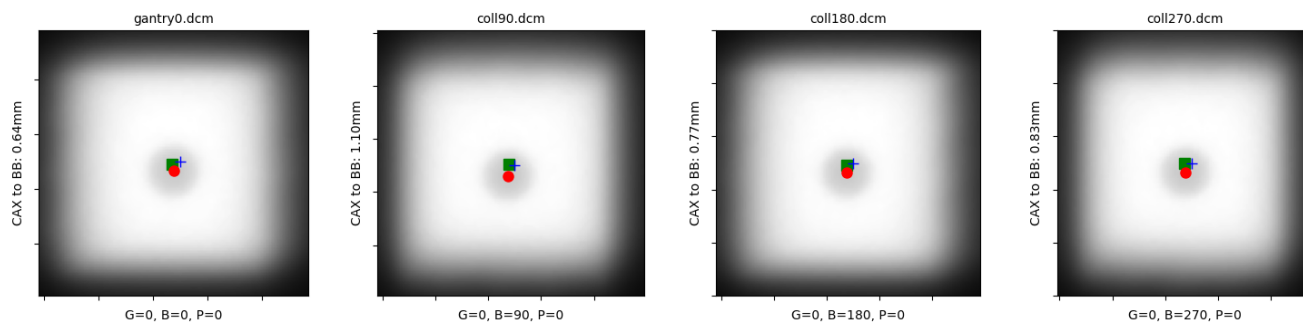
gantry0.dcm

CAX to BB: 0.64mm

G=0, B=0, P=0

coll90.dcm

CAX to BB: 1.10mm

G=0, B=90, P=0

coll180.dcm

CAX to BB: 0.77mm

G=0, B=180, P=0

coll270.dcm

CAX to BB: 0.83mm

G=0, B=270, P=0

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Couch images

gantry0.dcm — CAX to BB: 0.64mm — G=0. B=0. P=0

couch90.dcm — CAX to BB: 0.67mm — G=0. B=0. P=90

couch270.dcm — CAX to BB: 0.59mm — G=0. B=0. P=270