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: 1.11mm

Median 2D CAX->BB distance: 0.77mm

Shift to iso: facing gantry, move BB: LEFT 0.11mm; IN 0.24mm; DOWN 0.09mm

Gantry 3D isocenter diameter: 0.93mm (4/9 images considered)

Maximum Gantry RMS deviation (mm): 0.56mm
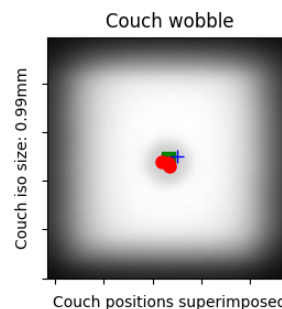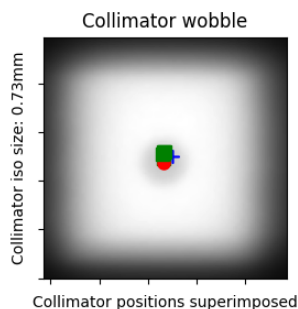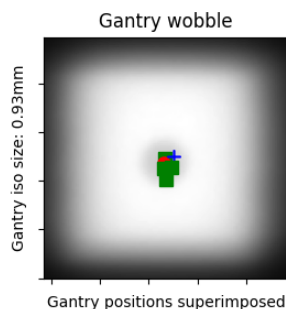
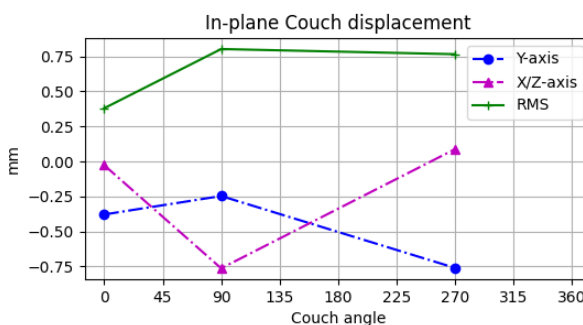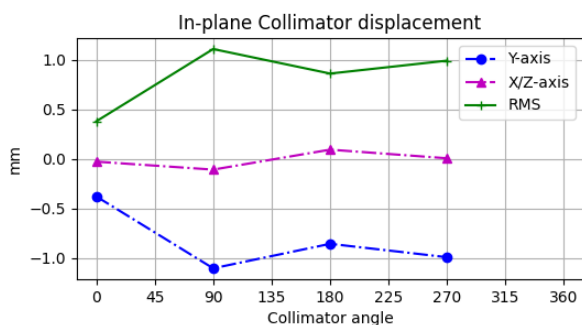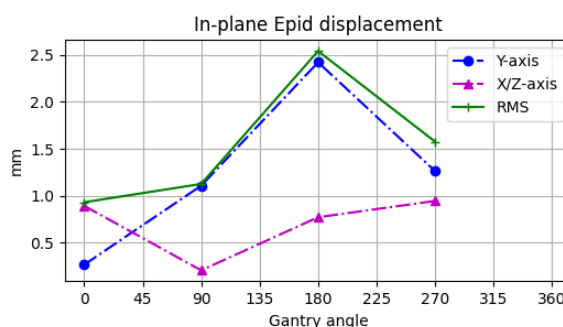Maximum EPID RMS deviation (mm): 2.54mm

Gantry+Collimator 3D isocenter diameter: 1.63mm (7/9 images considered)

Collimator 2D isocenter diameter: 0.73mm (4/9 images considered)

Maximum Collimator RMS deviation (mm): 1.11

Couch 2D isocenter diameter: 0.99mm (3/9 images considered)

Maximum Couch RMS deviation (mm): 0.80
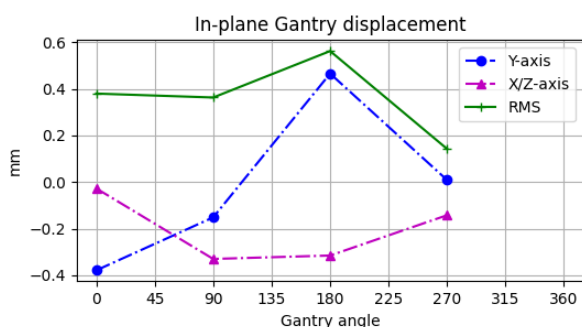
Notes:

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_2020-11-27_tarde

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Gantry images
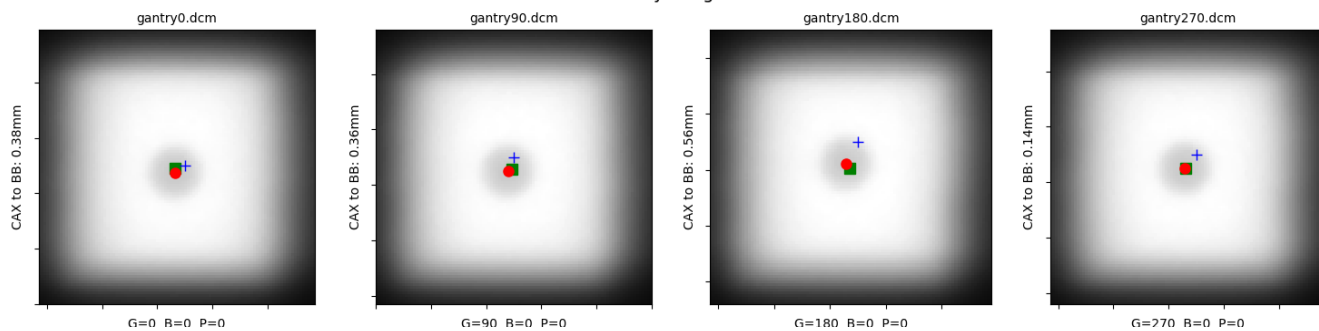
gantry0.dcm	gantry90.dcm	gantry180.dcm	gantry270.dcm
CAX to BB: 0.38mm	CAX to BB: 0.36mm	CAX to BB: 0.56mm	CAX to BB: 0.14mm
G=0 B=0 P=0	G=90 B=0 P=0	G=180 B=0 P=0	G=270 B=0 P=0

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Collimator images

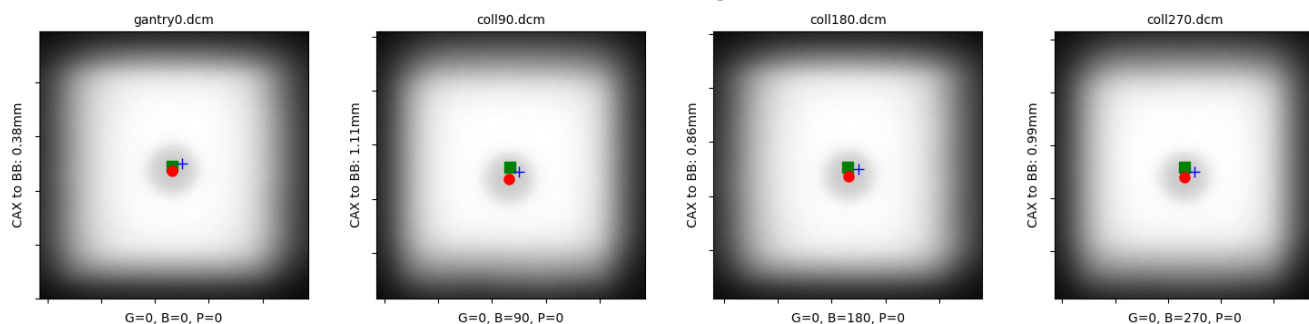| gantry0.dcm	coll90.dcm	coll180.dcm	coll270.dcm
CAX to BB: 0.38mm	CAX to BB: 1.11mm	CAX to BB: 0.86mm	CAX to BB: 0.99mm
G=0, B=0, P=0	G=0, B=90, P=0	G=0, B=180, P=0	G=0, B=270, P=0

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Couch images

gantry0.dcm

couch90.dcm

couch270.dcm

CAX to BB: 0.38mm

CAX to BB: 0.80mm

CAX to BB: 0.77mm

G=0. B=0. P=0

G=0. B=0. P=90

G=0. B=0. P=270