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: 16
Maximum 2D CAX->BB distance: 1.10mm
Median 2D CAX->BB distance: 0.38mm
Shift to iso: facing gantry, move BB: RIGHT 0.03mm; OUT 0.16mm; UP 0.05mm
Gantry 3D isocenter diameter: 1.44mm (8/16 images considered)
Maximum Gantry RMS deviation (mm): 1.10mm
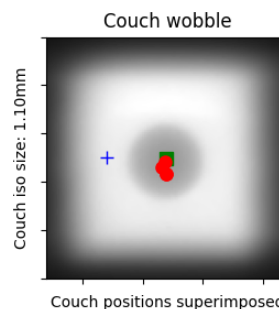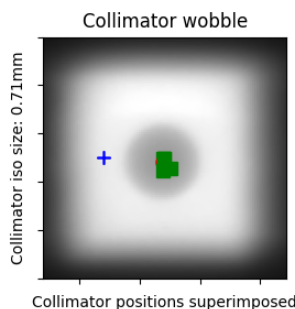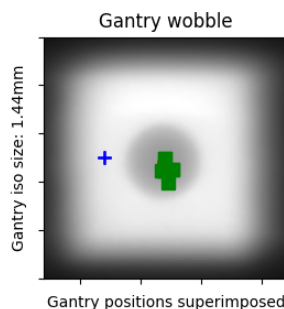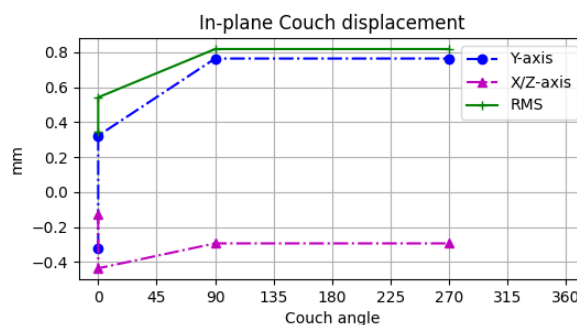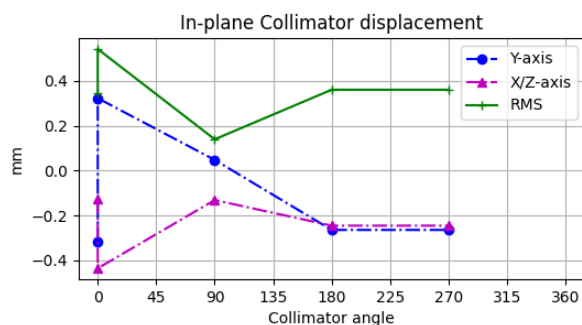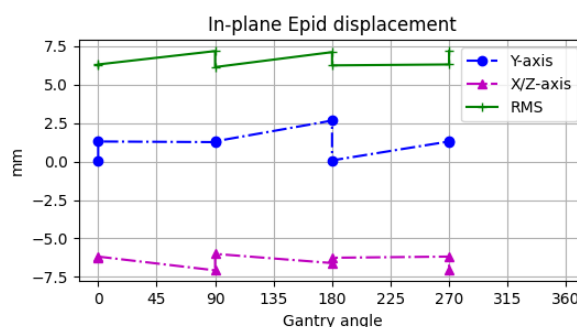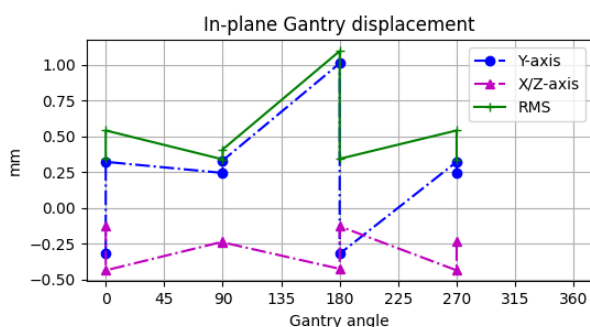Maximum EPID RMS deviation (mm): 7.19mm
Gantry+Collimator 3D isocenter diameter: 1.44mm (14/16 images considered)
Collimator 2D isocenter diameter: 0.71mm (5/16 images considered)
Maximum Collimator RMS deviation (mm): 0.36
Couch 2D isocenter diameter: 1.10mm (4/16 images considered)
Maximum Couch RMS deviation (mm): 0.82

In-plane Gantry displacement

In-plane Epid displacement

In-plane Collimator displacement

In-plane Couch displacement

Gantry wobble
Gantry iso size: 1.44mm
Gantry positions superimposed

Collimator wobble
Collimator iso size: 0.71mm
Collimator positions superimposed

Couch wobble
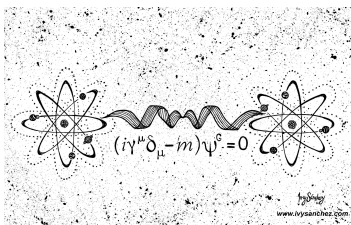Couch iso size: 1.10mm
Couch positions superimposed

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_IOSP_20201216\WL_2020-10-28_E
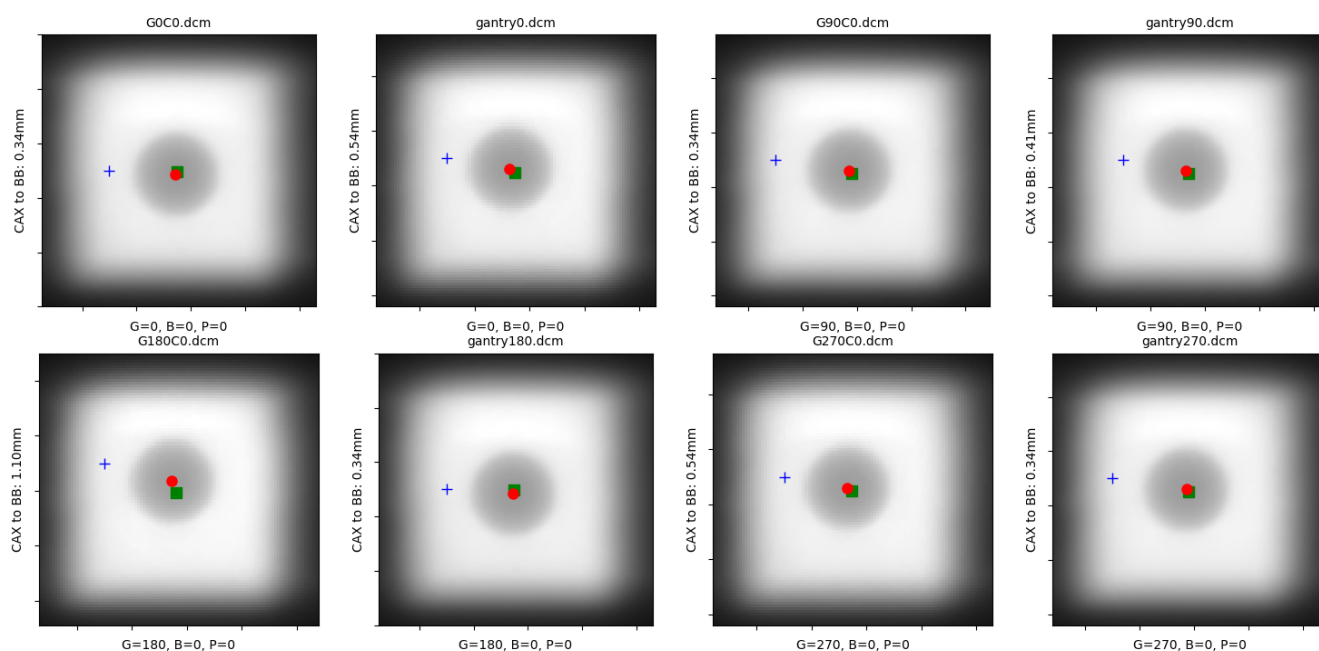
Winston-Lutz Analysis

Metadata:
Autor: William A. P. dos Santos
Função: Físico
Acelerador Linear: Synergy Full
Modelo MLC: Agility

Gantry images

G0C0.dcm	gantry0.dcm	G90C0.dcm	gantry90.dcm
CAX to BB: 0.34mm	CAX to BB: 0.54mm	CAX to BB: 0.34mm	CAX to BB: 0.41mm
G=0, B=0, P=0	G=0, B=0, P=0	G=90, B=0, P=0	G=90, B=0, P=0

G180C0.dcm	gantry180.dcm	G270C0.dcm	gantry270.dcm
CAX to BB: 1.10mm	CAX to BB: 0.34mm	CAX to BB: 0.54mm	CAX to BB: 0.34mm
G=180, B=0, P=0	G=180, B=0, P=0	G=270, B=0, P=0	G=270, B=0, P=0

Winston-Lutz Analysis

Metadata:
Autor: William A. P. dos Santos
Função: Físico
Acelerador Linear: Synergy Full
Modelo MLC: Agility

Collimator images
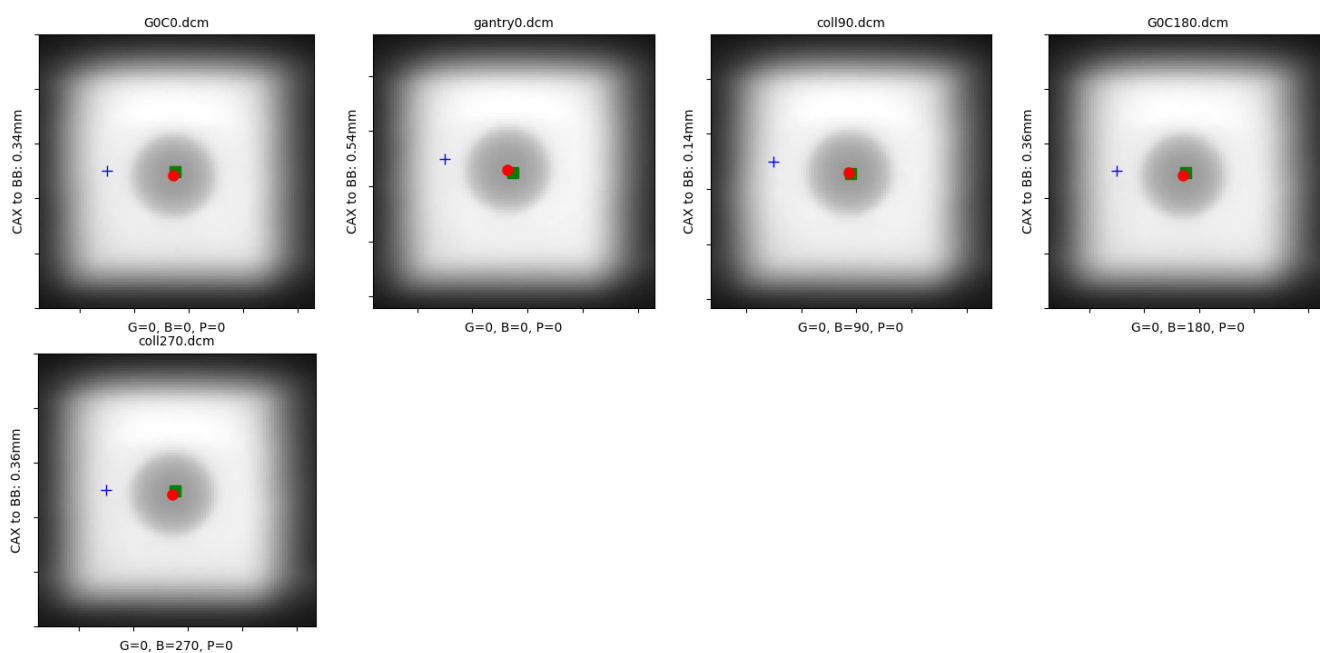
G0C0.dcm
CAX to BB: 0.34mm
G=0, B=0, P=0

gantry0.dcm
CAX to BB: 0.54mm
G=0, B=0, P=0

coll90.dcm
CAX to BB: 0.14mm
G=0, B=90, P=0

G0C180.dcm
CAX to BB: 0.36mm
G=0, B=180, P=0

coll270.dcm
CAX to BB: 0.36mm
G=0, B=270, P=0

Winston-Lutz Analysis

Metadata:
Autor: William A. P. dos Santos
Função: Físico
Acelerador Linear: Synergy Full
Modelo MLC: Agility

Couch images