Winston-Lutz Analysis

Winston-Lutz Analysis
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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
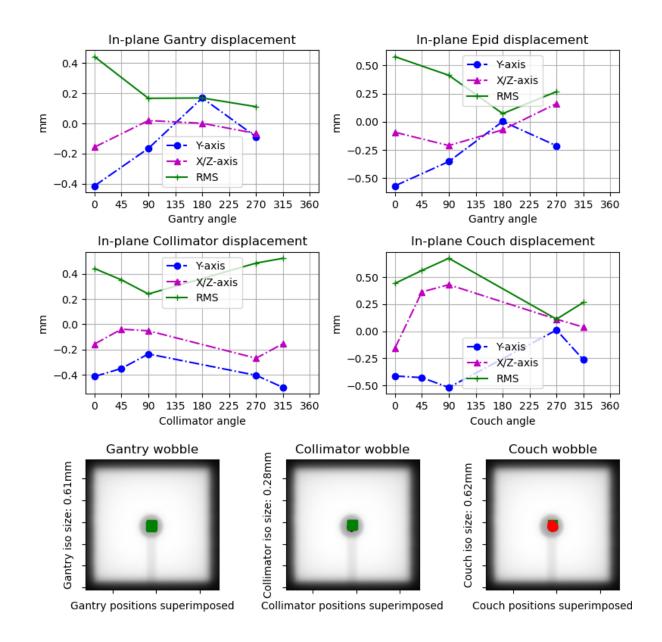Maximum EPID RMS deviation (mm): 0.68mm
Gantry+Collimator 3D isocenter diameter: 0.69mm (8/12 images considered)
Collimator 2D isocenter diameter: 0.28mm (5/12 images considered)
Maximum Collimator RMS deviation (mm): 0.52
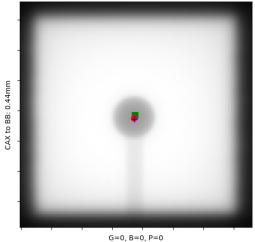Couch 2D isocenter diameter: 0.62mm (5/12 images considered)
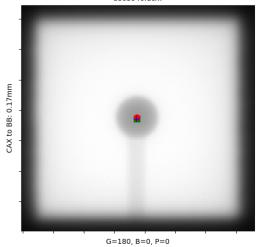Maximum Couch RMS deviation (mm): 0.67
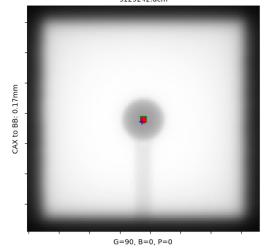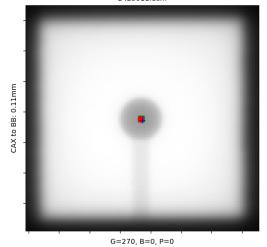

In-plane Gantry displacement

In-plane Epid displacement

In-plane Collimator displacement

In-plane Couch displacement

Gantry wobble — Gantry iso size: 0.61mm
Gantry positions superimposed

Collimator wobble — Collimator iso size: 0.28mm
Collimator positions superimposed

Couch wobble — Couch iso size: 0.62mm
Couch positions superimposed

Gantry images

C:\Users\kjaps\Documents\Codin
g\Python\PyLinac\Winston Lutz\
Images\RI.1.2.246.352.62.1.574
9854385291711743.1752390349009
7871767.dcm

CAX to BB: 0.44mm

G=0, B=0, P=0

C:\Users\kjaps\Documents\Codin
g\Python\PyLinac\Winston Lutz\
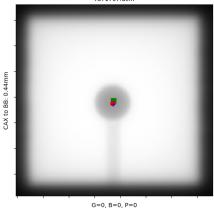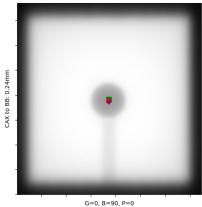Images\RI.1.2.246.352.62.1.491
8507655671049954.1454793894893
9129242.dcm

CAX to BB: 0.17mm

G=90, B=0, P=0

C:\Users\kjaps\Documents\Codin
g\Python\PyLinac\Winston Lutz\
Images\RI.1.2.246.352.62.1.542
0315042302045678.1596859047869
5863940.dcm

CAX to BB: 0.17mm

G=180, B=0, P=0

C:\Users\kjaps\Documents\Codin
g\Python\PyLinac\Winston Lutz\
Images\RI.1.2.246.352.62.1.510
7859038491390478.1294210752450
2425011.dcm

CAX to BB: 0.11mm

G=270, B=0, P=0

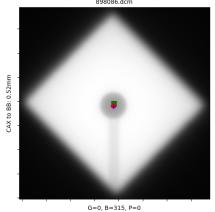Generated on February 12, 2022, 23:40

Winston-Lutz Analysis

Collimator images

C:\Users\kjaps\Documents\Codin
g\Python\PyLinac\Winston Lutz\
Images\RI.1.2.246.352.62.1.574
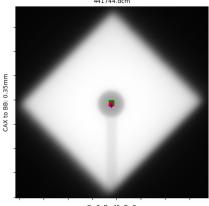9854385291711743.1752390349009
7871767.dcm

CAX to BB: 0.44mm

G=0, B=0, P=0

C:\Users\kjaps\Documents\Codin
g\Python\PyLinac\Winston Lutz\
Images\RI.1.2.246.352.62.1.481
4720101732063070.6574515028944
441744.dcm

CAX to BB: 0.35mm

G=0, B=45, P=0

C:\Users\kjaps\Documents\Codin
g\Python\PyLinac\Winston Lutz\
Images\RI.1.2.246.352.62.1.574
3392039194293440.1234457708970
541480.dcm

CAX to BB: 0.24mm

G=0, B=90, P=0

C:\Users\kjaps\Documents\Codin
g\Python\PyLinac\Winston Lutz\
Images\RI.1.2.246.352.62.1.522
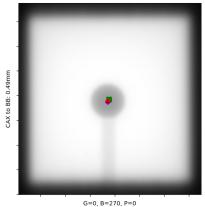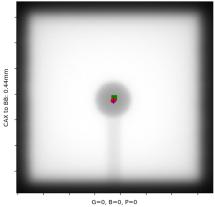9484118138226465.2914874571390
331532.dcm

CAX to BB: 0.49mm
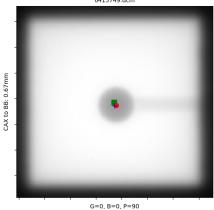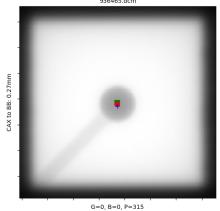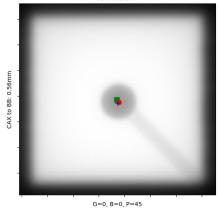
G=0, B=270, P=0

C:\Users\kjaps\Documents\Codin
g\Python\PyLinac\Winston Lutz\
Images\RI.1.2.246.352.62.1.503
9230422626045011.9425093461982
898086.dcm

CAX to BB: 0.52mm

G=0, B=315, P=0

Generated on February 12, 2022, 23:40

Couch images

CAX to BB: 0.44mm

CAX to BB: 0.56mm

G=0, B=0, P=0

G=0, B=0, P=45

CAX to BB: 0.67mm

CAX to BB: 0.11mm

G=0, B=0, P=90

G=0, B=0, P=270

CAX to BB: 0.27mm

G=0, B=0, P=315