

Radiation/Light Field Coincidence Report

Aligned Image

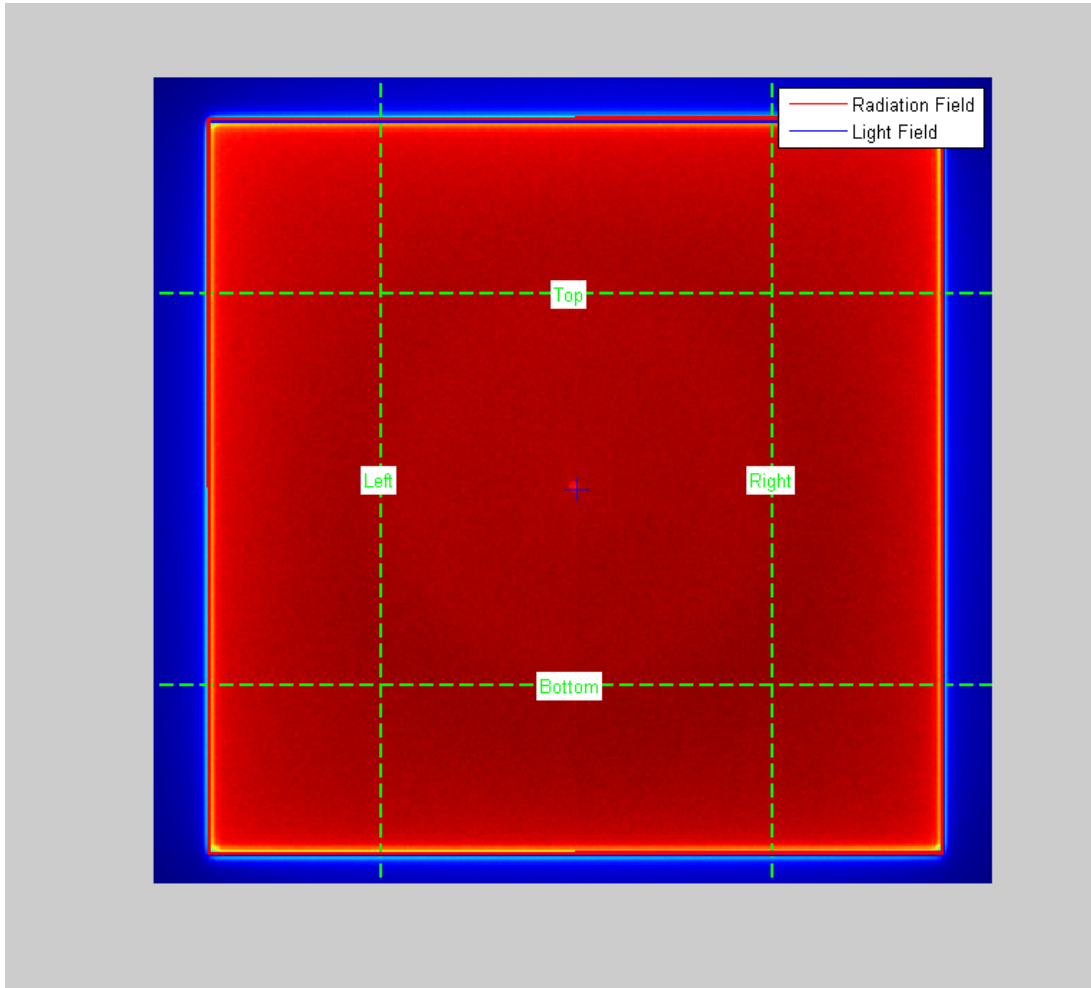


Image Information

Image File	C:\RIT\RIT113V4\Demo Images\LightField\IP_Portal_15x15.dcm
Facility	
LINAC	
Comments	

Misalignment

Note	Positive Deltas indicate radiation field is outside the light field. Negative Deltas indicate radiation field is inside the light field.
Top Side - Left	0.48913 mm (0.33%)
Top Side - Right	0.62881 mm (0.42%)
Bottom Side - Left	-0.50059 mm (-0.33%)
Bottom Side - Right	-0.62521 mm (-0.42%)
Left Side - Top	0.26445 mm (0.18%)
Left Side - Bottom	0.1844 mm (0.12%)
Right Side - Top	-0.30403 mm (-0.20%)
Right Side - Bottom	-0.20046 mm (-0.13%)
Total Radiation/Light Field Misalignment	0.60947 mm

Supplemental Measurements

	Position (cm)	Delta (mm)
		Note: Positive Deltas indicate radiation field is outside the light field. Negative Deltas indicate radiation field is inside the light field.
Top-Left	7.5489	0.48913
Bottom-Left	7.4499	-0.50059
Left Side Distance	14.9989	-0.011461
Top-Right	7.5629	0.62881
Bottom-Right	7.4375	-0.62521
Right Side distance	15.0004	0.0035982
Left-Top	7.5264	0.26445
Right-Top	7.4696	-0.30403
Top Distance	14.9989	-0.011461
Left-Bottom	7.5184	0.1844
Right-Bottom	7.48	-0.20046
Bottom Distance	14.9984	-0.016062
Top to Left Field Edge Orthogonality	89.9772°	
Bottom to Right Field Edge Orthogonality	89.9919°	
Y-CENTROID	8.428 cm	
X-CENTROID	8.6632 cm	

Analysis Results

Measurement	Specification	TOP to BOTTOM	LEFT to RIGHT
FWHM Normalization	Max	14.9989 cm	14.996 cm
Left Penumbra	[80 20]	0.2744 cm	0.2352 cm
Right Penumbra	[80 20]	0.2744 cm	0.2352 cm
Flatness	TG45	3.0421%	2.2735%
Symmetry	TG45	-3.2417%	-0.50633%

Settings

Phantom	L-Rad/IsoAlign
SID	100 cm
Light Field Size	15x15 cm