## Abstract Title: Novel Phantom and Optical Imaging Technique Can Co-Align Magnetic Resonance Imaging and Radiation Isocenters for Integrated Therapy Systems

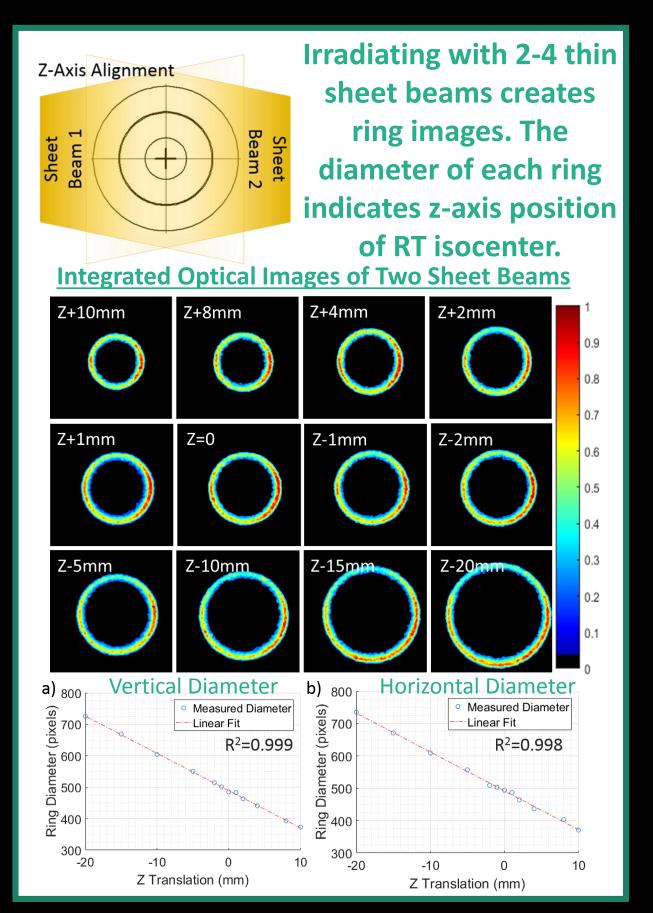
Date and Time: 08/01/2018 | 4:30PM — 6:00PM Session Title: QA for Advanced Imaging Applications Presenting Author: Jacqueline Andreozzi Abstract ID: 40176

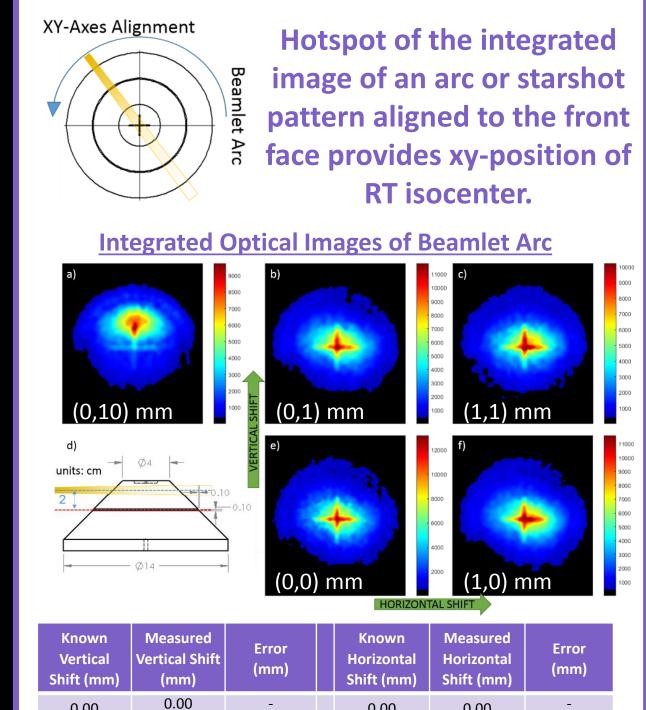
## Physical features of phantom allow MRI isocenter verification

- 1) Proof of concept on TrueBeam linac
- 2) Submerged in water tank and imaged on ViewRay MR-linac (concurrent optical and MRI).









0.00

1.00

0.00

1.00

0.00

0.00

1.02

0.00

1.02

-0.17

0.02

0.00

0.02

-0.17

0.00

0.00

1.00

1.00

10.00

0.00

1.02

1.02

9.86, 10.02\*

0.00

0.02

0.02

-0.14, 0.02\*