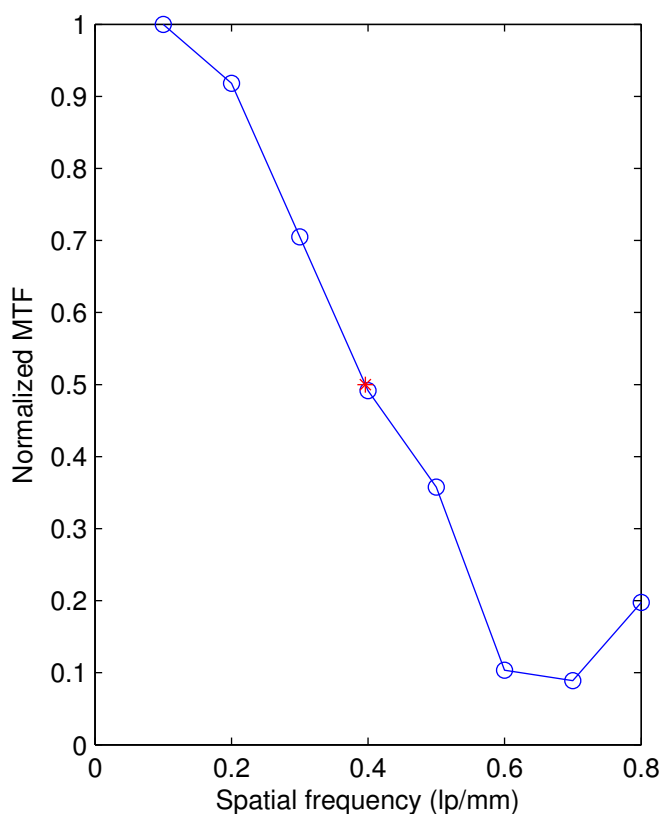


DoseLab CT Imaging QA Results

Summary: **Some tests generated a warning**

DoseLab version: 6.80
Date: February 18, 2020
Machine: Unit 6, #:0000
Phantom: Catphan 504
Magnification: 99.69%
Energy: 120 kV
Expected slice width: 2.0 mm
Matrix size: 512x512
Performed by: Devin VanElburg
Tolerance set: Unit 6 Large FOV

Scaling discrepancy: 1.4 mm (Warning)
Geometric distortion: 0.1 mm (Pass)
Spatial resolution (50% MTF): 0.40 lp/mm (Pass)
Minimum uniformity (ROI 21): 99.2% (Pass)



CTP404 module results

Contrast ROI details

Measured HU

1: 342

2: 87

HU constancy ROI details

Reference / Measured / Difference

3 (Acrylic): 120 / 114 / -6

4 (Air): -1000 / -1000 / 0

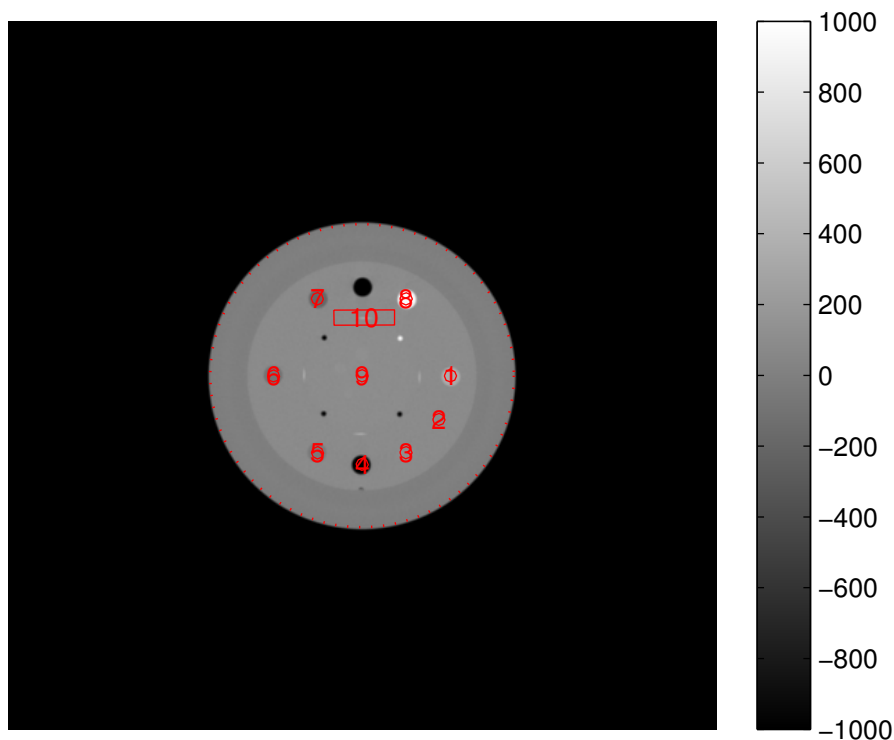
5 (Polystyrene): -35 / -45 / -10

6 (LDPE): -100 / -100 / 0

7 (PMP): -200 / -194 / 6

8 (Teflon): 990 / 961 / -29

9 (CTP404): 100 / 94 / -6



CTP528 module results

Spatial resolution ROI details

Phantom lp/mm / Normalized MTF

11: 0.1 / 1.00

12: 0.2 / 0.92

13: 0.3 / 0.71

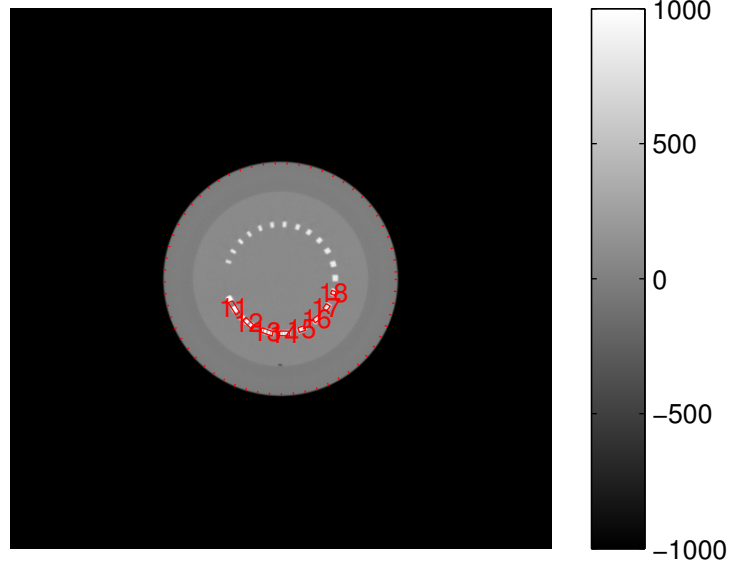
14: 0.4 / 0.49

15: 0.5 / 0.36

16: 0.6 / 0.10

17: 0.7 / 0.09

18: 0.8 / 0.20



CTP486 module results

Uniformity ROI details

Measured HU / Uniformity

19: 19 / 99.3%

20: 12 / 99.3%

21: 11 / 99.2%

22: 12 / 99.4%

23: 8 / 99.3%

