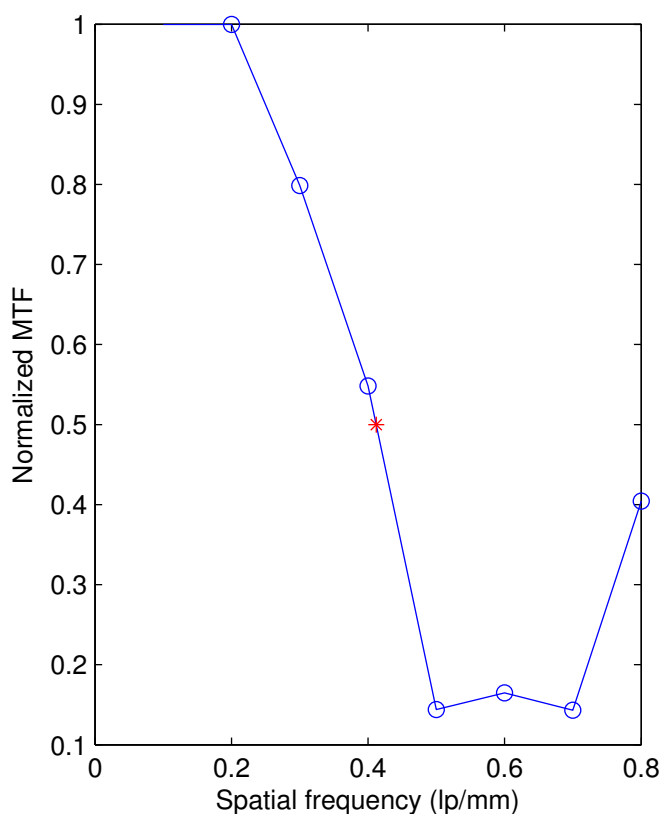


DoseLab CT Imaging QA Results

Summary: **Some tests generated a warning**

DoseLab version: 6.80
Date: December 11, 2019
Machine: Unit 2, #:3509
Phantom: Catphan 504
Magnification: 99.70%
Energy: 125 kV
Expected slice width: 2.5 mm
Matrix size: 384x384
Performed by: Alex Guebert
Tolerance set: Unit 2 Large FOV

Scaling discrepancy: 1.3 mm (Warning)
Geometric distortion: 0.3 mm (Pass)
Spatial resolution (50% MTF): 0.41 lp/mm (Pass)
Minimum uniformity (ROI 23): 98.8% (Pass)



CTP404 module results

Contrast ROI details

Measured HU

1: 350

2: 101

HU constancy ROI details

Reference / Measured / Difference

3 (Acrylic): 120 / 127 / 7

4 (Air): -1000 / -994 / 6

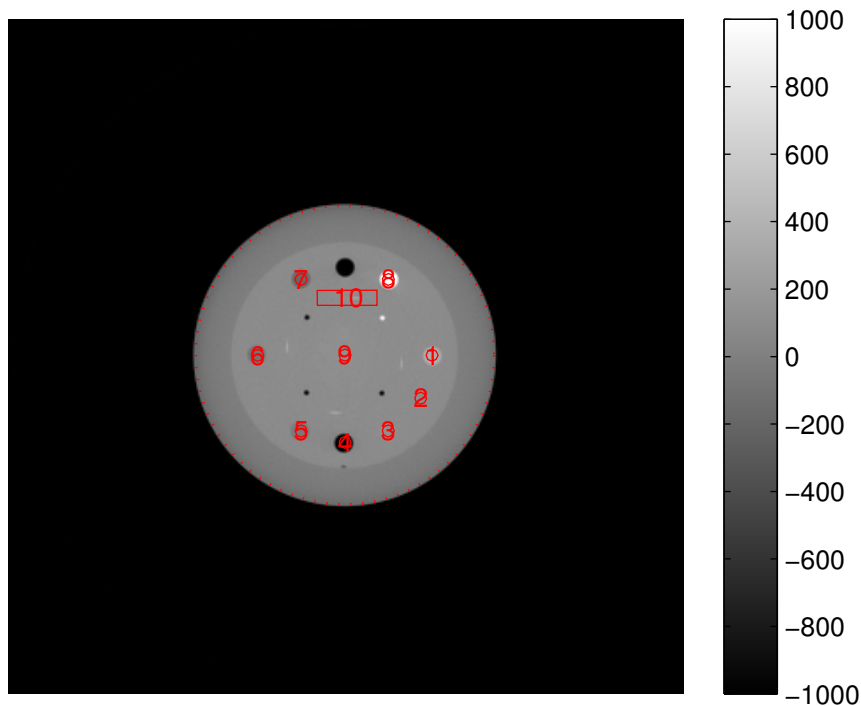
5 (Polystyrene): -35 / -43 / -8

6 (LDPE): -100 / -92 / 8

7 (PMP): -200 / -183 / 17

8 (Teflon): 990 / 992 / 2

9 (CTP404): 100 / 121 / 21



CTP528 module results

Spatial resolution ROI details

Phantom lp/mm / Normalized MTF

11: 0.1 / 1.00

12: 0.2 / 1.00

13: 0.3 / 0.80

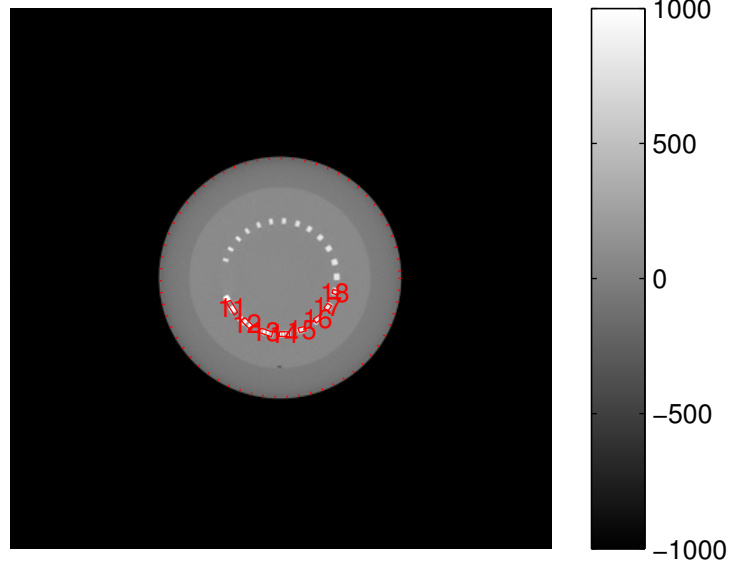
14: 0.4 / 0.55

15: 0.5 / 0.14

16: 0.6 / 0.16

17: 0.7 / 0.14

18: 0.8 / 0.40



CTP486 module results

Uniformity ROI details

Measured HU / Uniformity

19: 50 / 99.1%

20: 47 / 99.0%

21: 49 / 98.9%

22: 49 / 99.0%

23: 44 / 98.8%

