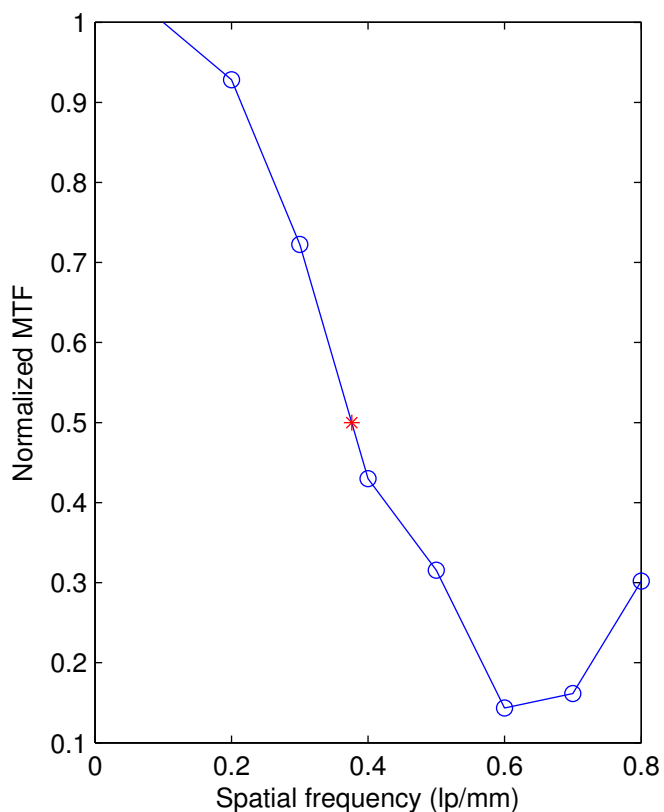


DoseLab CT Imaging QA Results

Summary: **Some tests generated a warning**

DoseLab version: 6.80
Date: February 07, 2020
Machine: Unit 10, #:1166
Phantom: Catphan 504
Magnification: 99.66%
Energy: 110 kV
Expected slice width: 2.5 mm
Matrix size: 512x512
Performed by: Thomas Mann
Tolerance set: Unit 10 Large FOV

Scaling discrepancy: 1.5 mm (Warning)
Geometric distortion: 0.2 mm (Pass)
Spatial resolution (50% MTF): 0.38 lp/mm (Pass)
Minimum uniformity (ROI 23): 98.5% (Pass)



CTP404 module results

Contrast ROI details

Measured HU

1: 336

2: 93

HU constancy ROI details

Reference / Measured / Difference

3 (Acrylic): 120 / 118 / -2

4 (Air): -1000 / -986 / 14

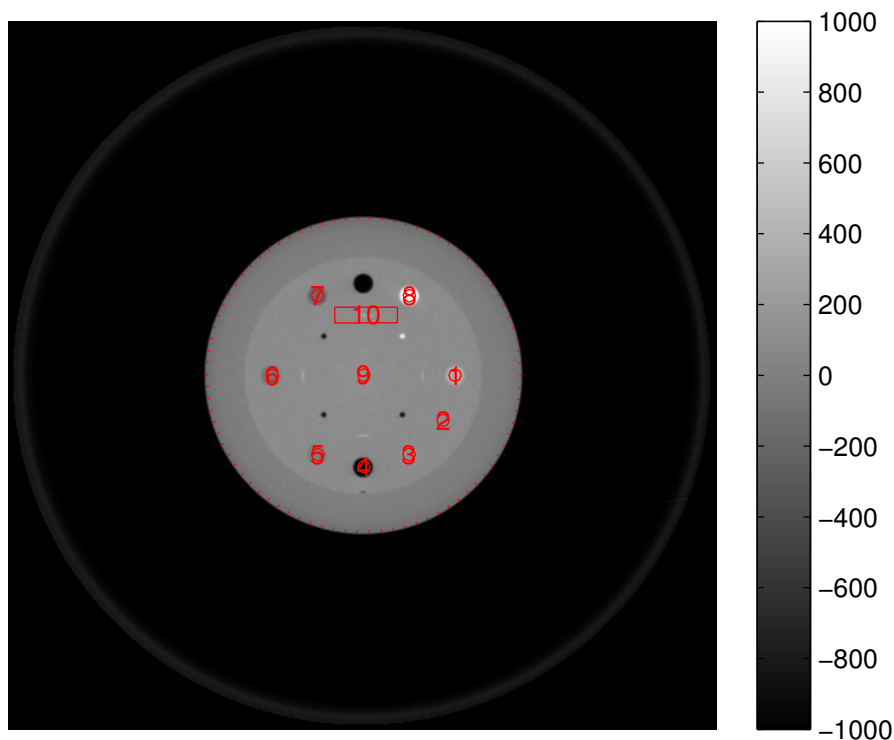
5 (Polystyrene): -35 / -36 / -1

6 (LDPE): -100 / -91 / 9

7 (PMP): -200 / -185 / 15

8 (Teflon): 990 / 969 / -21

9 (CTP404): 100 / 118 / 18



CTP528 module results

Spatial resolution ROI details

Phantom lp/mm / Normalized MTF

11: 0.1 / 1.00

12: 0.2 / 0.93

13: 0.3 / 0.72

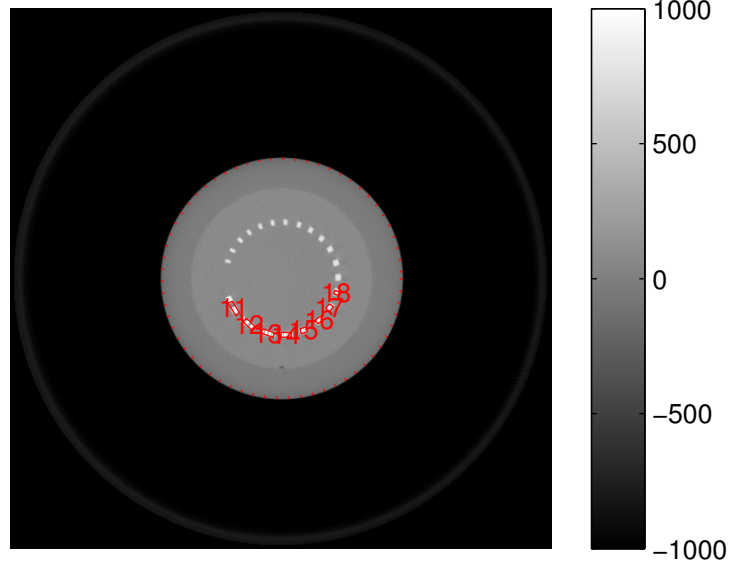
14: 0.4 / 0.43

15: 0.5 / 0.32

16: 0.6 / 0.14

17: 0.7 / 0.16

18: 0.8 / 0.30



CTP486 module results

Uniformity ROI details

Measured HU / Uniformity

19: 30 / 98.8%

20: 41 / 98.6%

21: 39 / 98.6%

22: 41 / 98.5%

23: 43 / 98.5%

