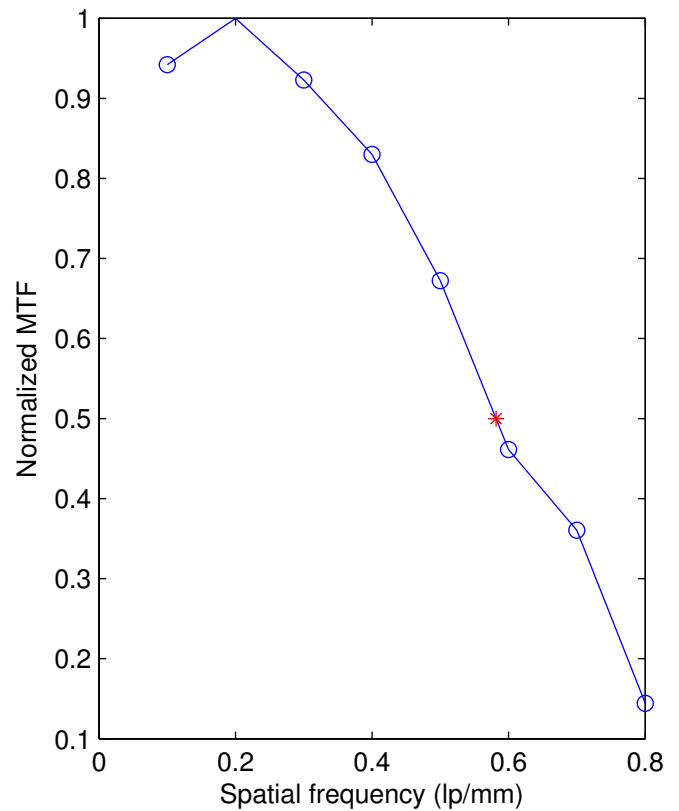


DoseLab CT Imaging QA Results

Summary: **Some tests failed**

DoseLab version: 6.80
Date: January 21, 2020
Machine: Unit 2, #:3509
Phantom: Catphan 504
Magnification: 99.07%
Energy: 125142 kV
Expected slice width: 2.5 mm
Matrix size: 384x384
Performed by: Alex Guebert
Tolerance set: Unit 2 Small FOV

Scaling discrepancy: 2.3 mm (Fail)
Geometric distortion: 0.6 mm (Pass)
Spatial resolution (50% MTF): 0.58 lp/mm (Pass)
Minimum uniformity (ROI 19): 97.9% (Pass)



CTP404 module results

Contrast ROI details

Measured HU

1: 373

2: 109

HU constancy ROI details

Reference / Measured / Difference

3 (Acrylic): 120 / 142 / 22

4 (Air): -1000 / -998 / 2

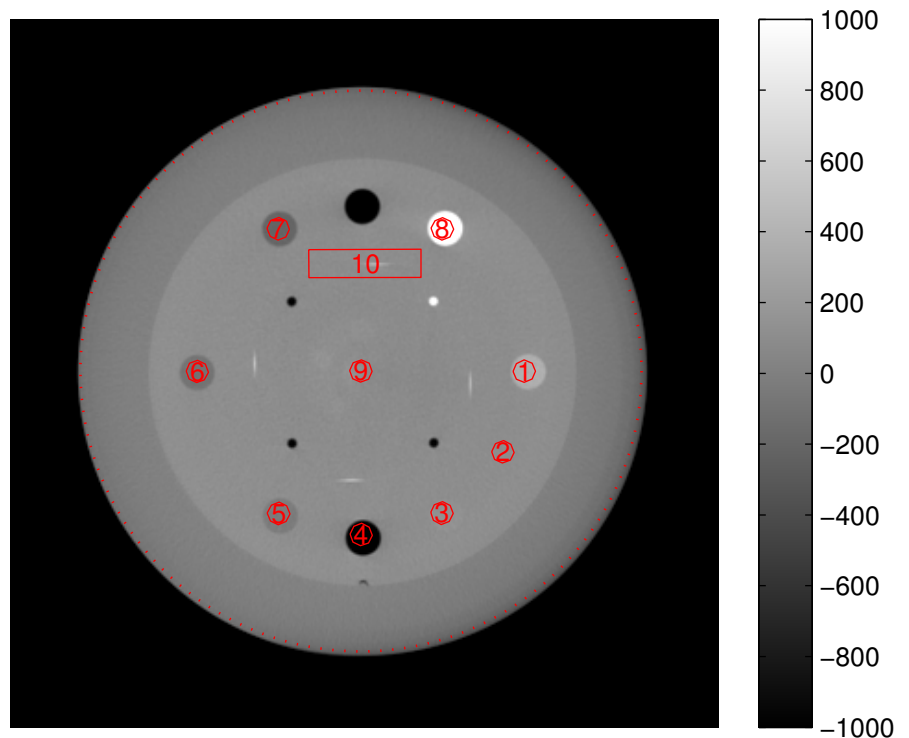
5 (Polystyrene): -35 / -29 / 6

6 (LDPE): -100 / -94 / 6

7 (PMP): -200 / -207 / -7

8 (Teflon): 990 / 1194 / 204

9 (CTP404): 100 / 114 / 14



CTP528 module results

Spatial resolution ROI details

Phantom lp/mm / Normalized MTF

11: 0.1 / 0.94

12: 0.2 / 1.00

13: 0.3 / 0.92

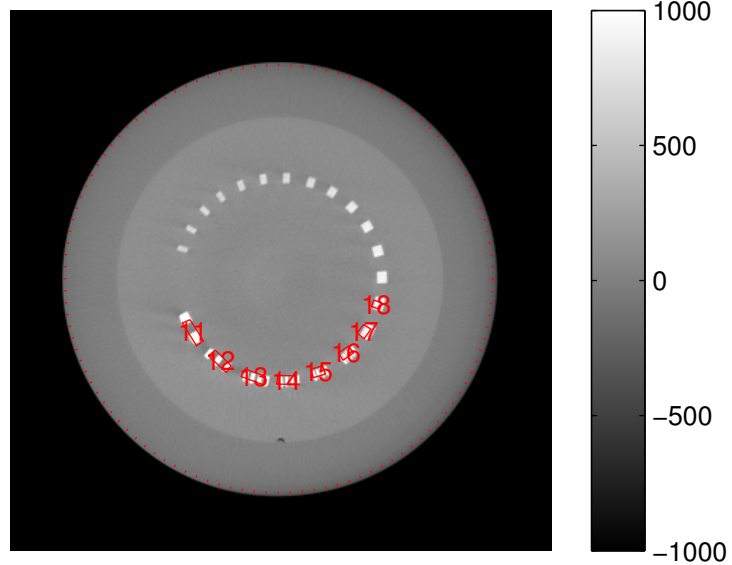
14: 0.4 / 0.83

15: 0.5 / 0.67

16: 0.6 / 0.46

17: 0.7 / 0.36

18: 0.8 / 0.14



CTP486 module results

Uniformity ROI details

Measured HU / Uniformity

19: 47 / 97.9%

20: 47 / 98.3%

21: 57 / 98.3%

22: 54 / 98.4%

23: 53 / 98.6%

