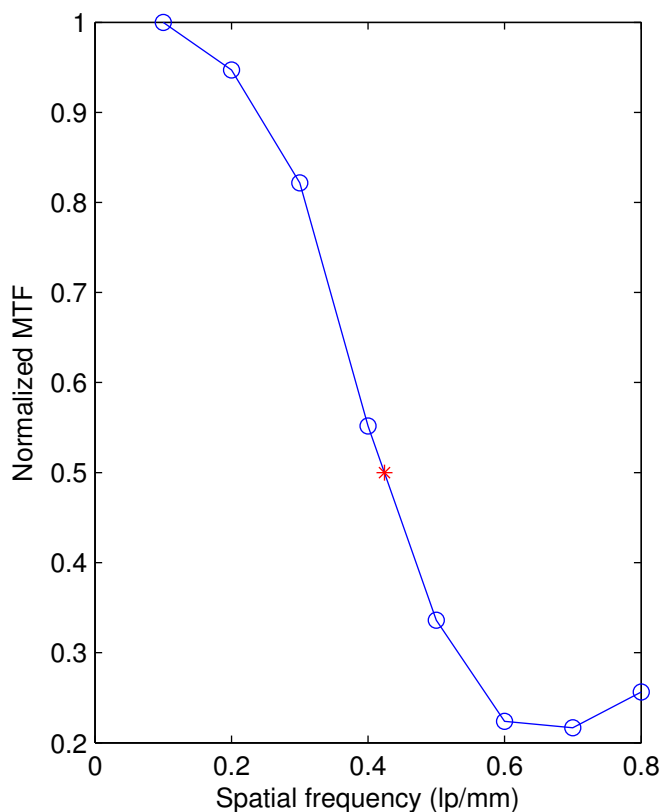


# DoseLab CT Imaging QA Results

Summary: **Some tests generated a warning**

DoseLab version: 6.80  
Date: October 24, 2019  
Machine: Unit 2, #:3509  
Phantom: Catphan 504  
Magnification: 99.68%  
Energy: 120 kV  
Expected slice width: 2.5 mm  
Matrix size: 512x512  
Performed by: Alex Guebert  
Tolerance set: Unit 2 Large FOV

Scaling discrepancy: 1.4 mm (Warning)  
Geometric distortion: 0.2 mm (Pass)  
Spatial resolution (50% MTF): 0.42 lp/mm (Pass)  
Minimum uniformity (ROI 23): 98.3% (Pass)



## CTP404 module results

### Contrast ROI details

Measured HU

1: 337

2: 99

### HU constancy ROI details

Reference / Measured / Difference

3 (Acrylic): 120 / 124 / 4

4 (Air): -1000 / -987 / 13

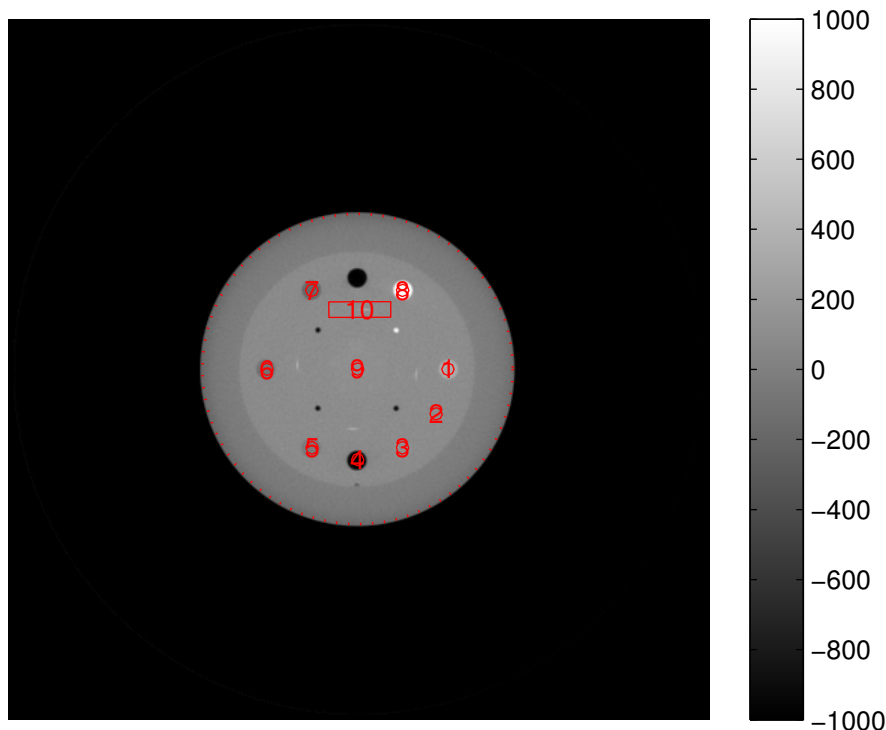
5 (Polystyrene): -35 / -35 / 0

6 (LDPE): -100 / -97 / 3

7 (PMP): -200 / -186 / 14

8 (Teflon): 990 / 989 / -1

9 (CTP404): 100 / 123 / 23



## CTP528 module results

### Spatial resolution ROI details

Phantom lp/mm / Normalized MTF

11: 0.1 / 1.00

12: 0.2 / 0.95

13: 0.3 / 0.82

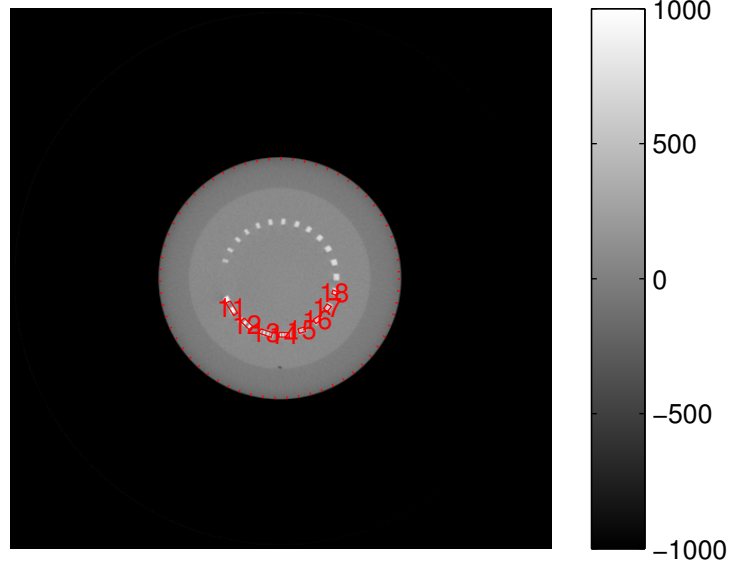
14: 0.4 / 0.55

15: 0.5 / 0.34

16: 0.6 / 0.22

17: 0.7 / 0.22

18: 0.8 / 0.26



## CTP486 module results

### Uniformity ROI details

Measured HU / Uniformity

19: 41 / 98.7%

20: 44 / 98.5%

21: 40 / 98.4%

22: 38 / 98.5%

23: 37 / 98.3%

