

\*\*\*\*\* Summary for 'm4U-240807-f01-03-01-01' \*\*\*\*\*

08-Aug-2024 04:10:29

Energy: ### 3.0 GeV

Circumference: ## 528.0 m

Full tunes H/V: ## 44.22 / 12.39

Momentum Compaction Factor: # 1.57e-04

Chromaticity H: ##+1.00

Chromaticity V: ##+1.00

Radiation Loss: ## 550.5 keV

Natural Energy Spread: # 0.13 %

Natural Emittance: ## 139.5 pmrad

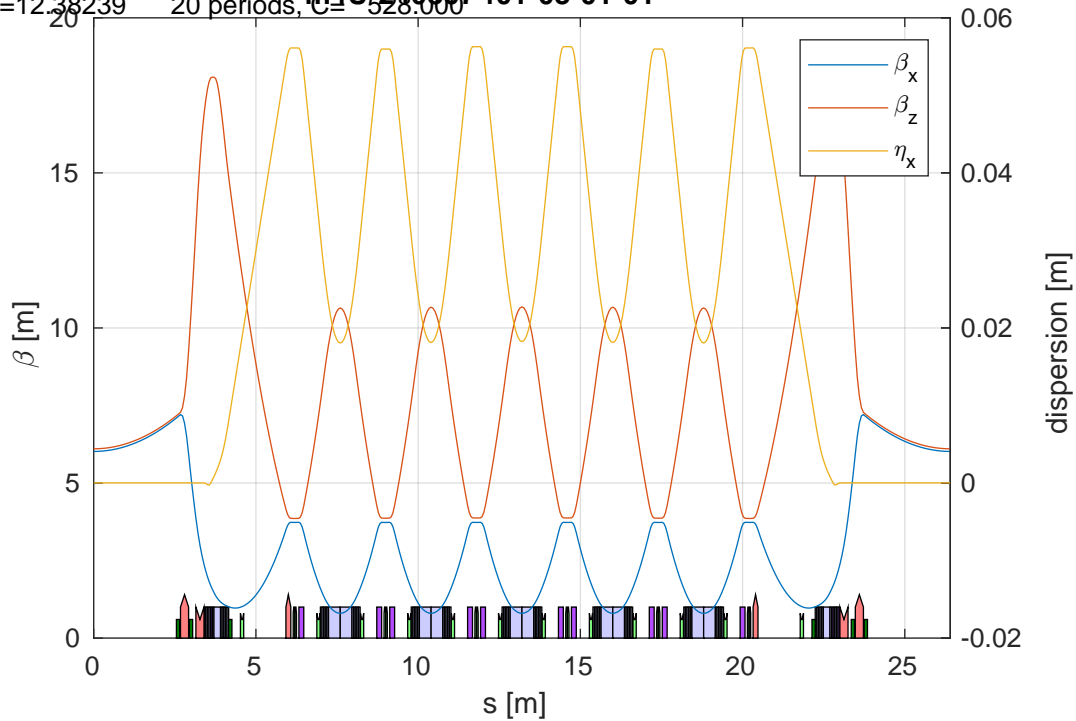
RF Voltage: # 1.8 MV

Achromat natural chromaticities: H/V## -2.42 / -2.44

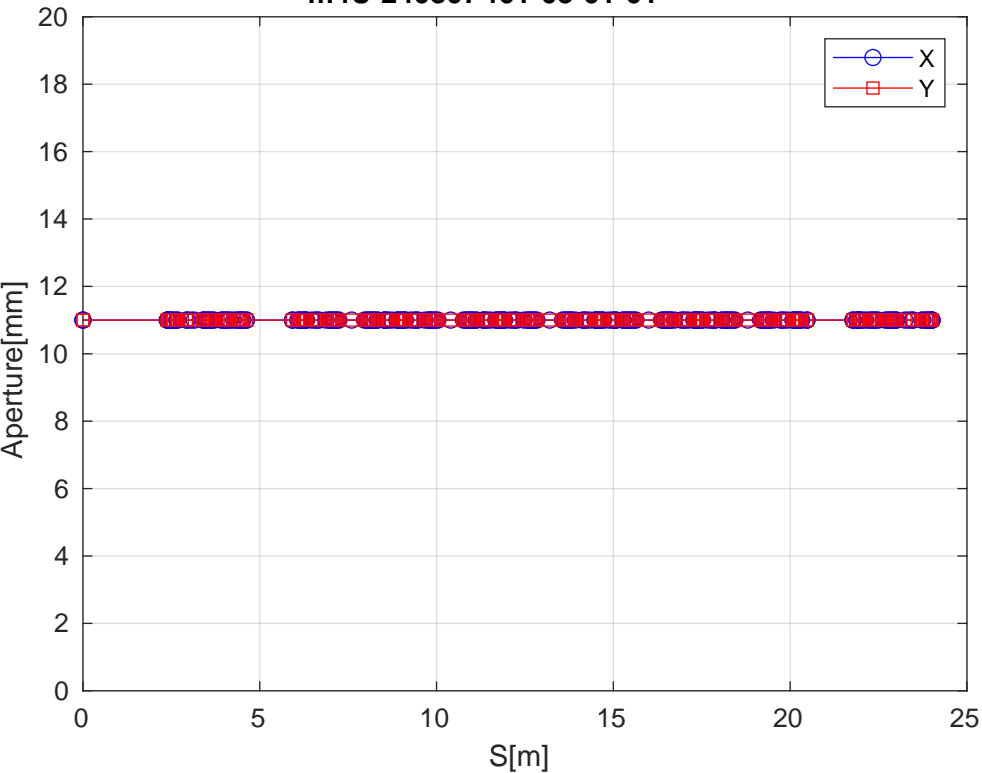
Achromat tunes H/V: ## 2.21 / 0.62

$\nu_x = 44.22614$  $\delta p/p = 0.000$  $\nu_z = 12.38239$ 20 periods,  $C = 528.000$ 

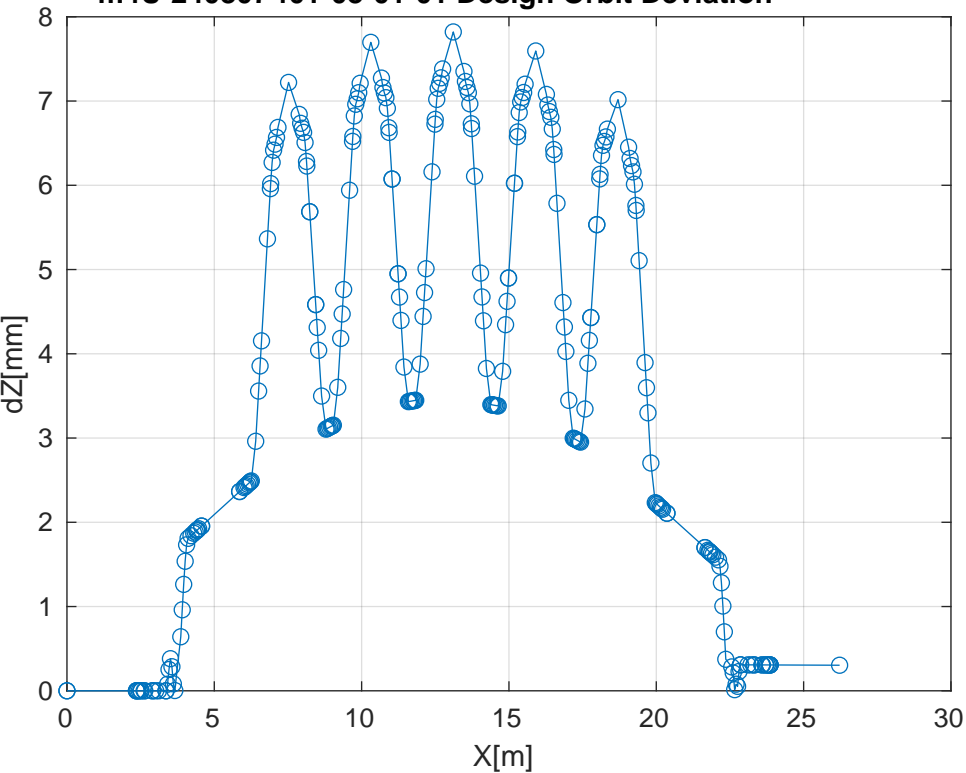
m4U-240807-f01-03-01-01



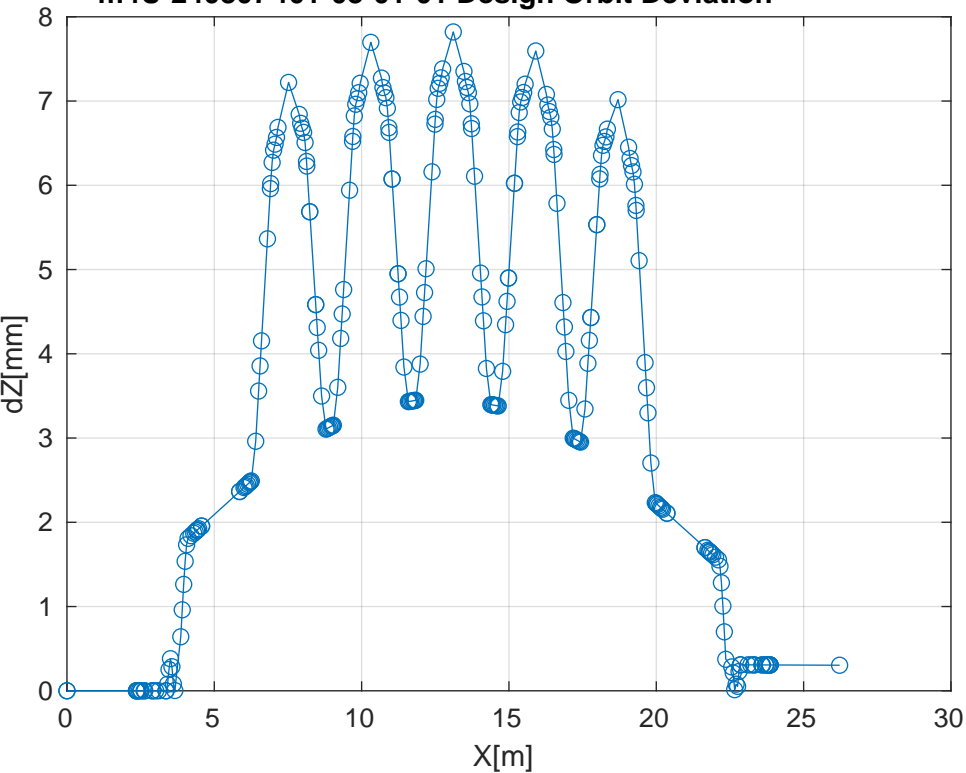
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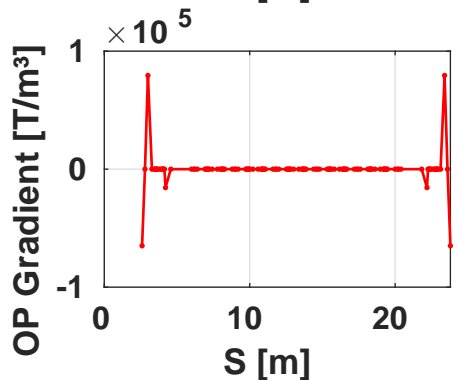
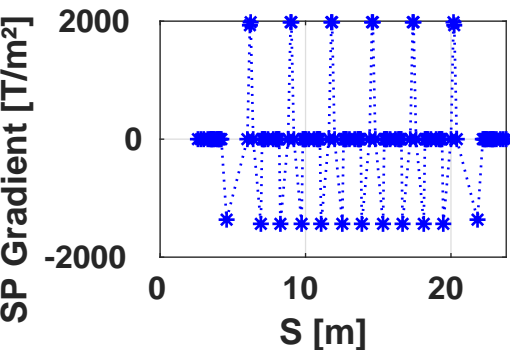
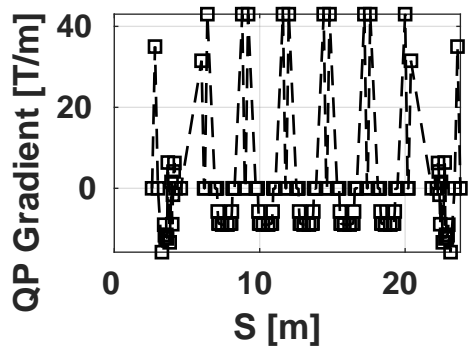
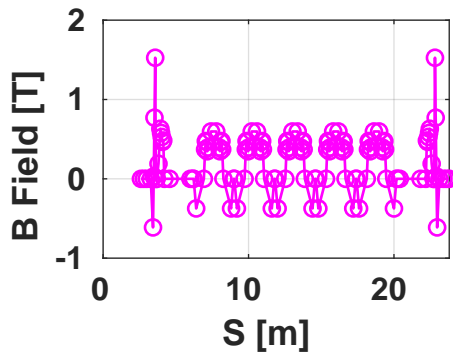


m4U-240807-f01-03-01-01 Design Orbit Deviation

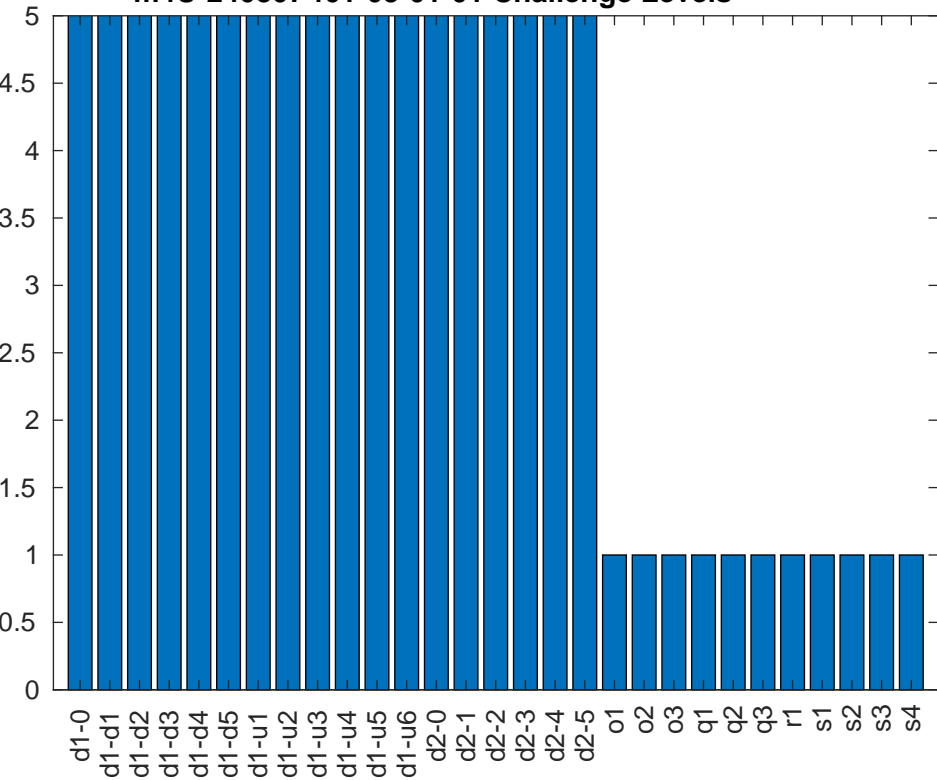


m4U-240807-f01-03-01-01 Design Orbit Deviation

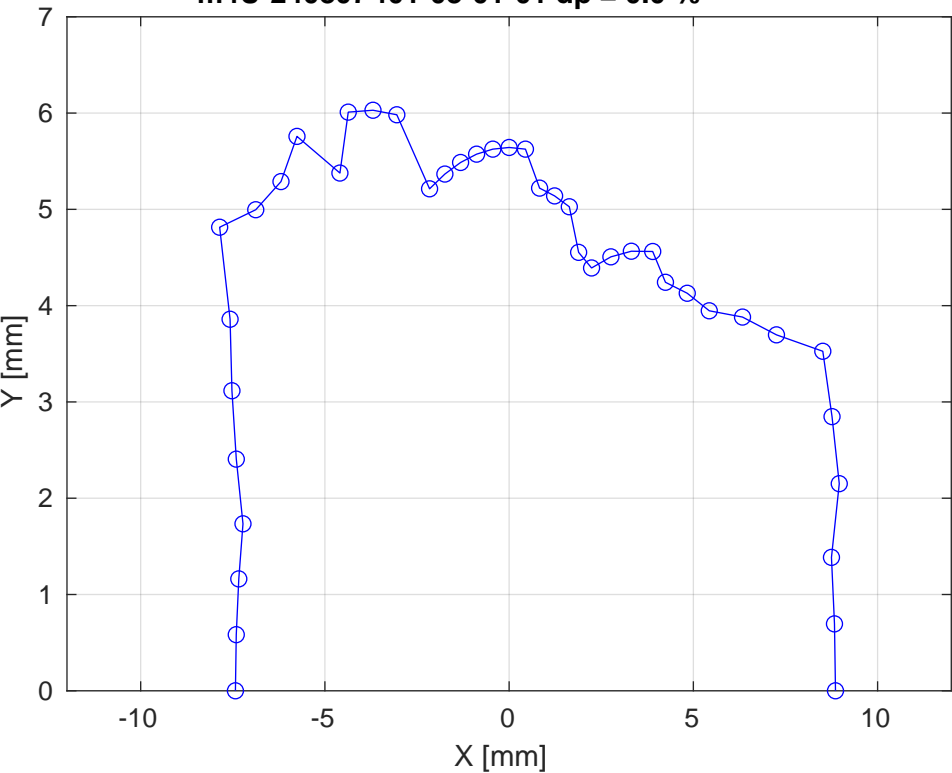




m4U-240807-f01-03-01-01 Challenge Levels

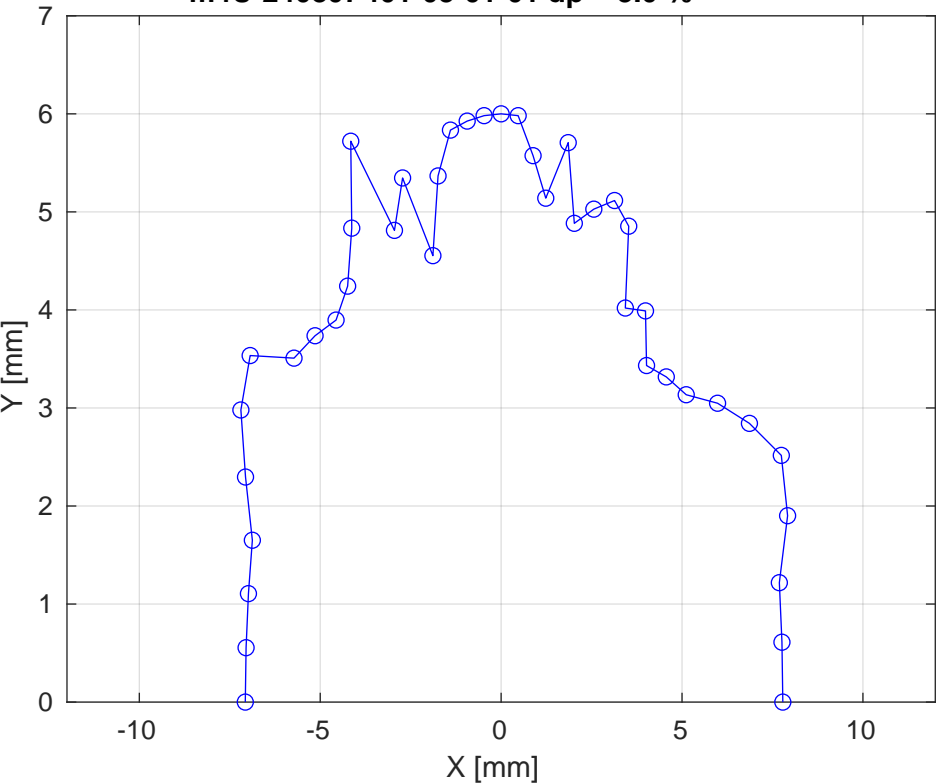


m4U-240807-f01-03-01-01 dp = 0.0 %

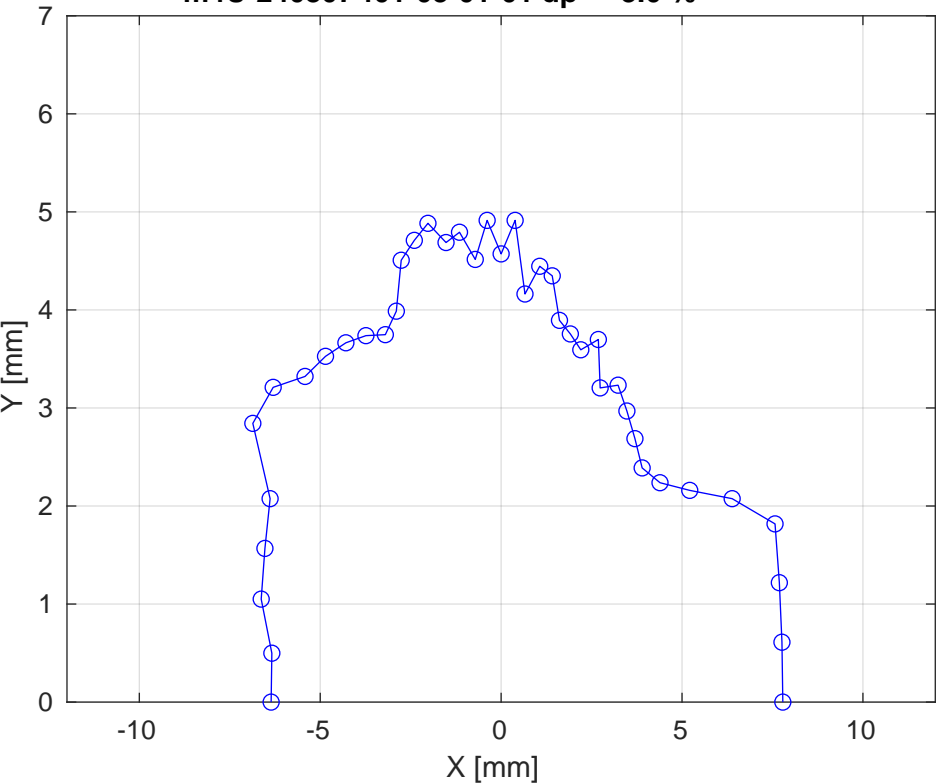




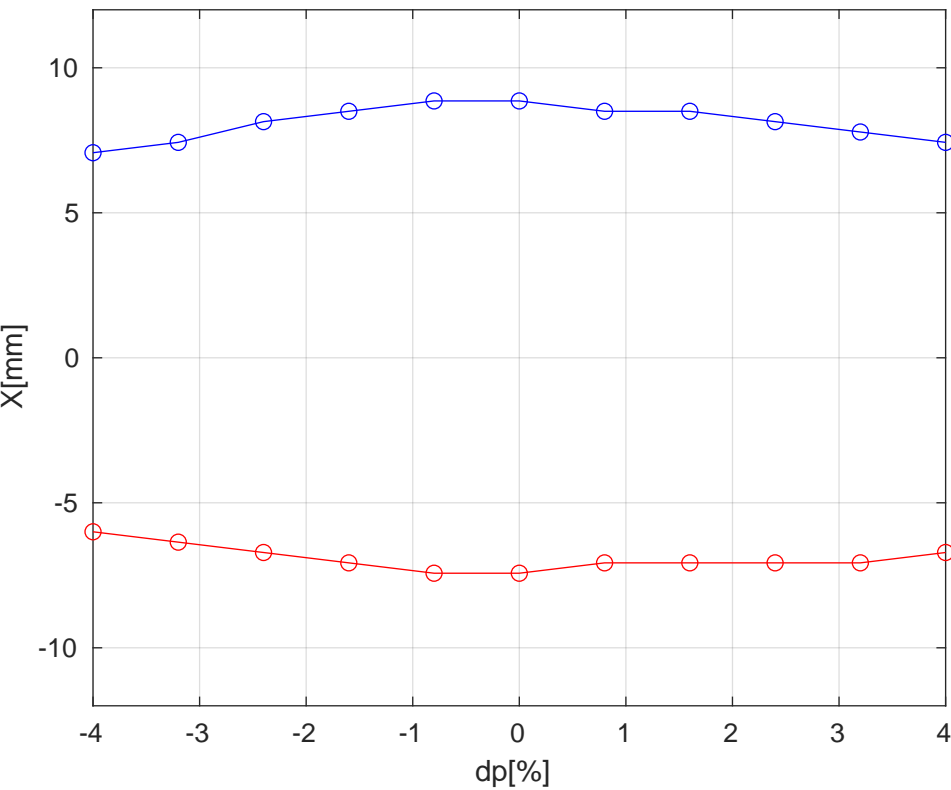
m4U-240807-f01-03-01-01 dp = 3.0 %



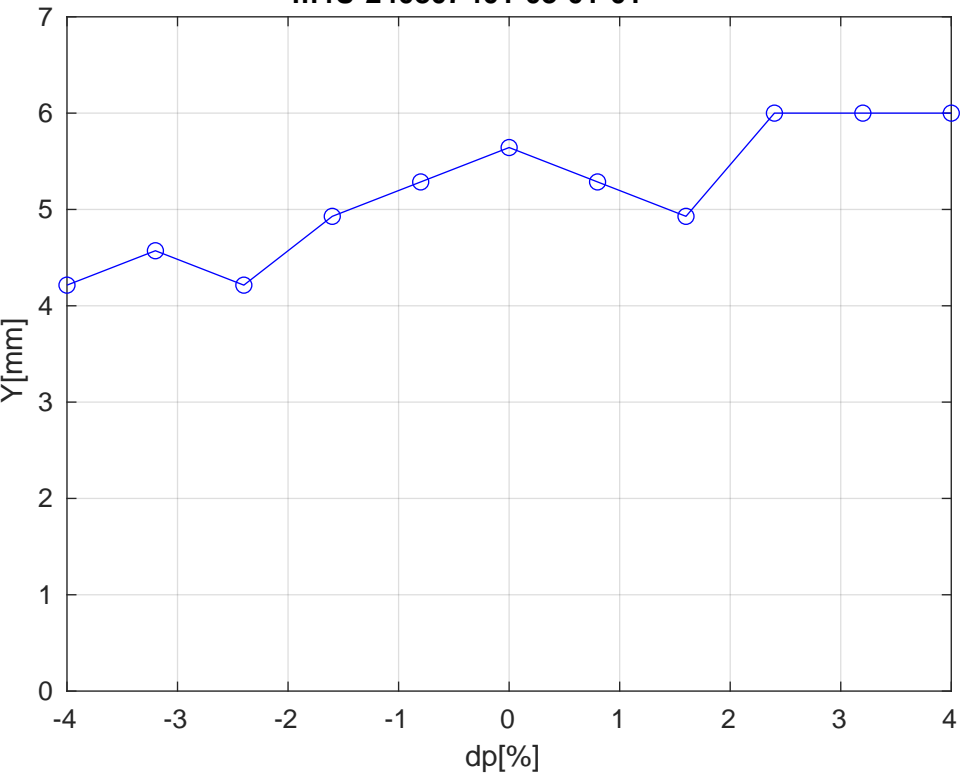
m4U-240807-f01-03-01 dp = -3.0 %



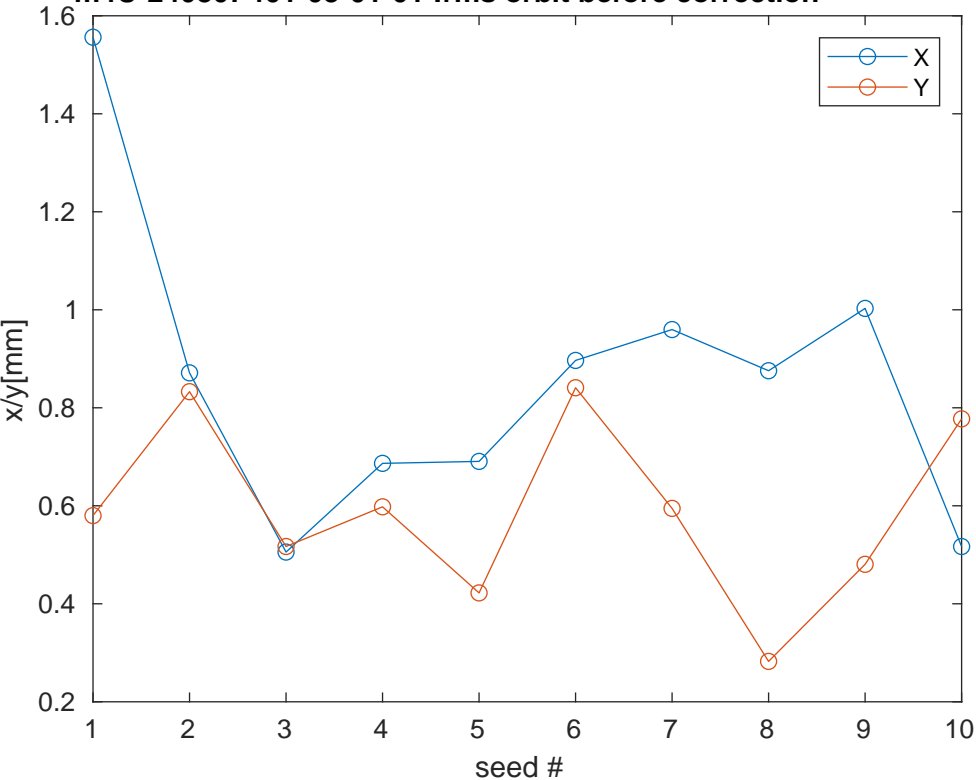
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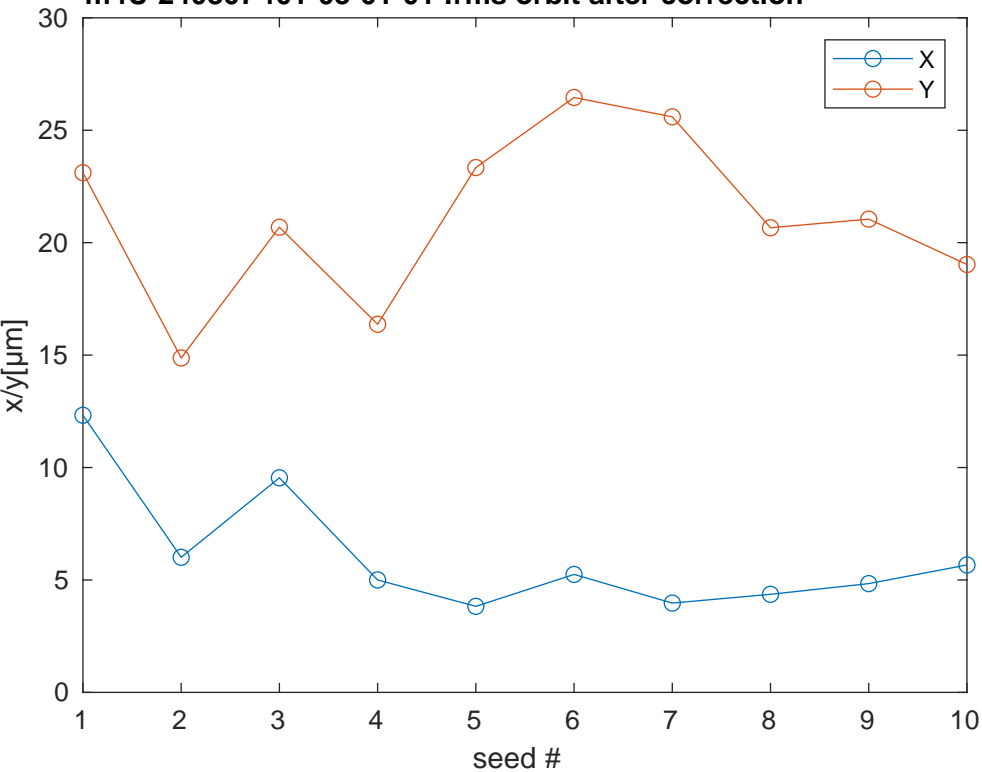
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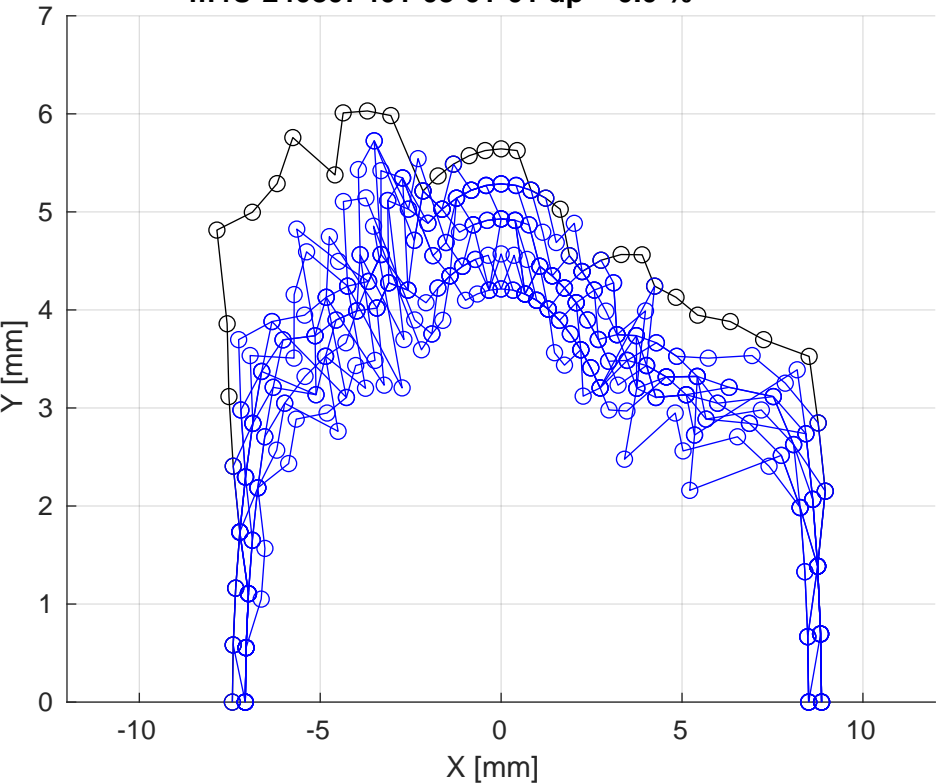
m4U-240807-f01-03-01-01 :rms orbit before correction



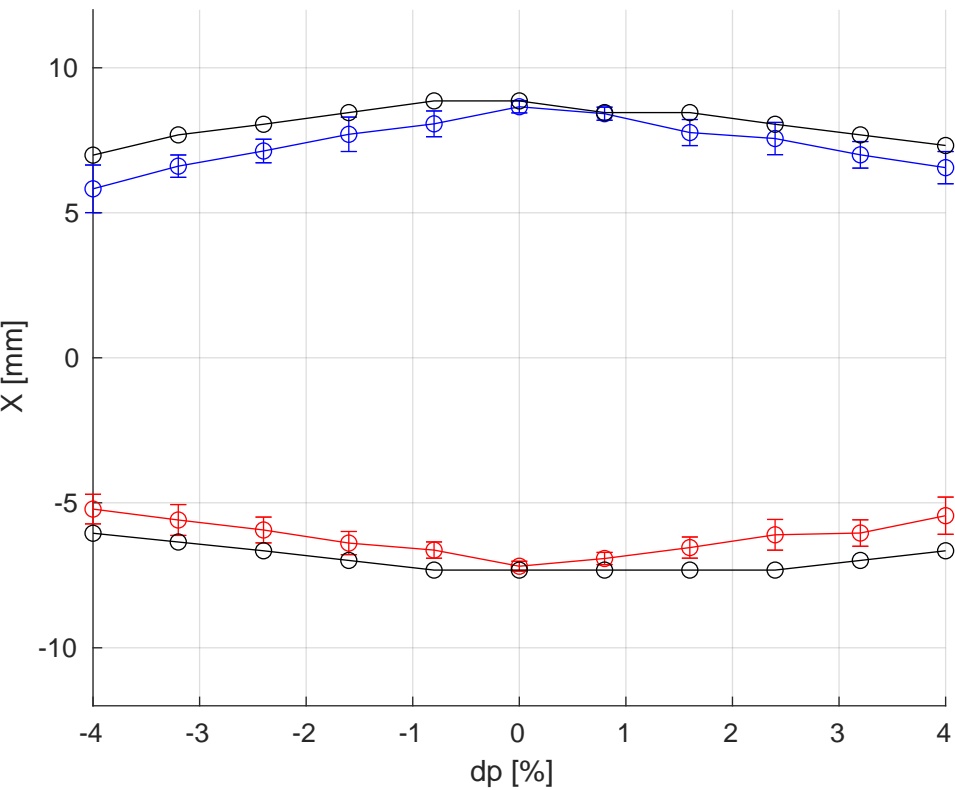
m4U-240807-f01-03-01-01 :rms orbit after correction



m4U-240807-f01-03-01-01 dp = 0.0 %

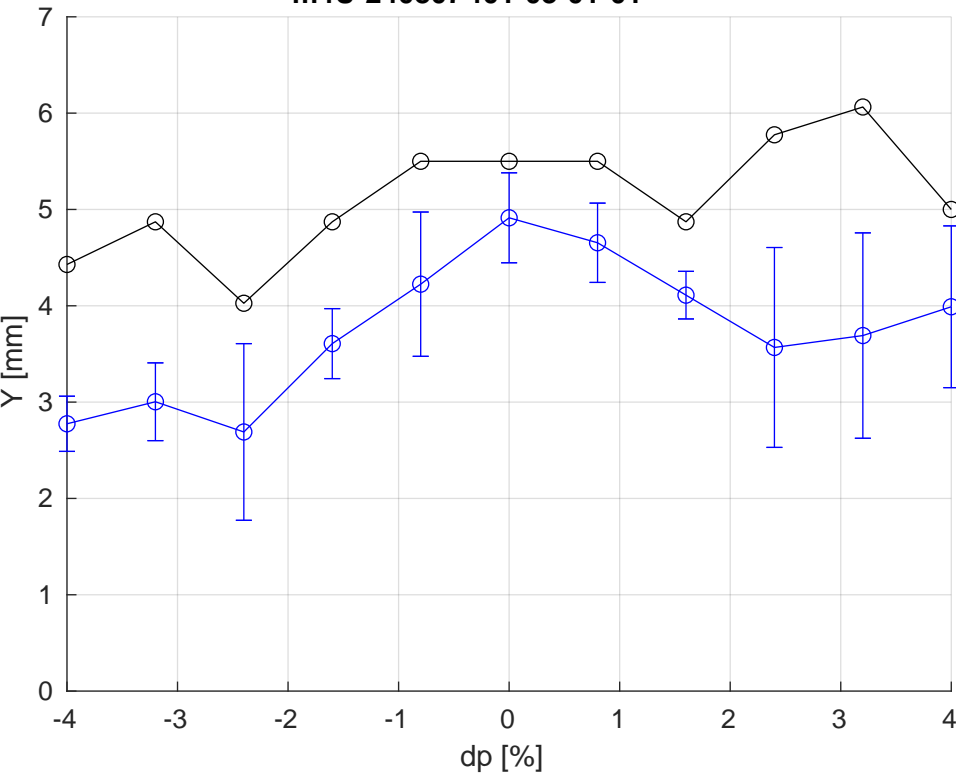


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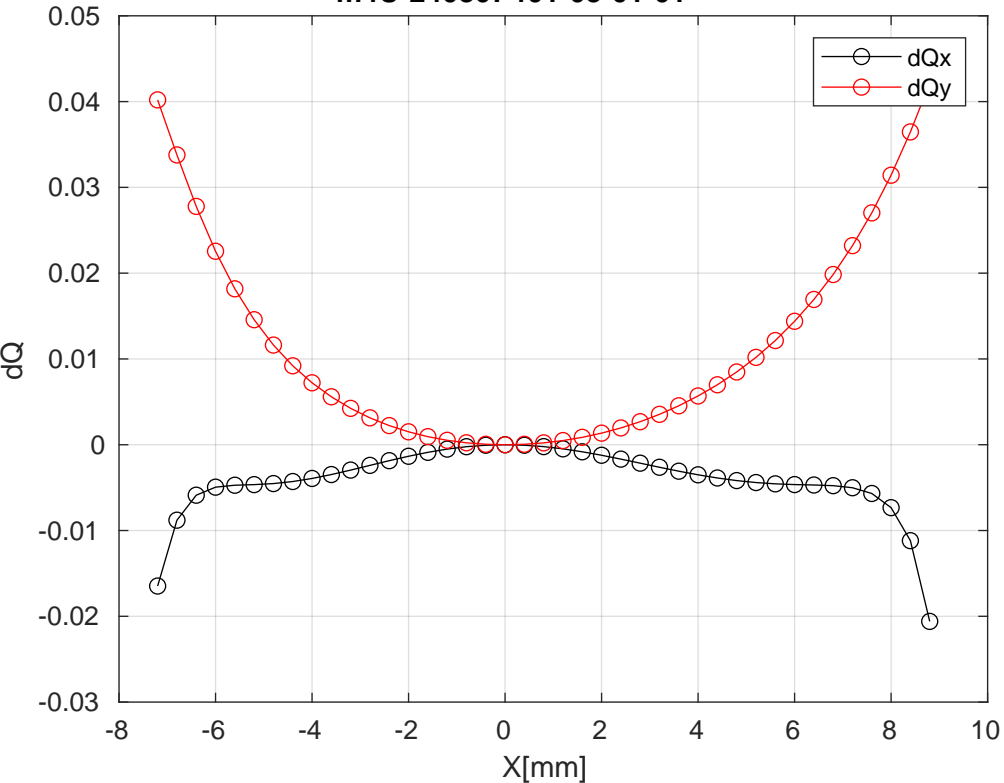




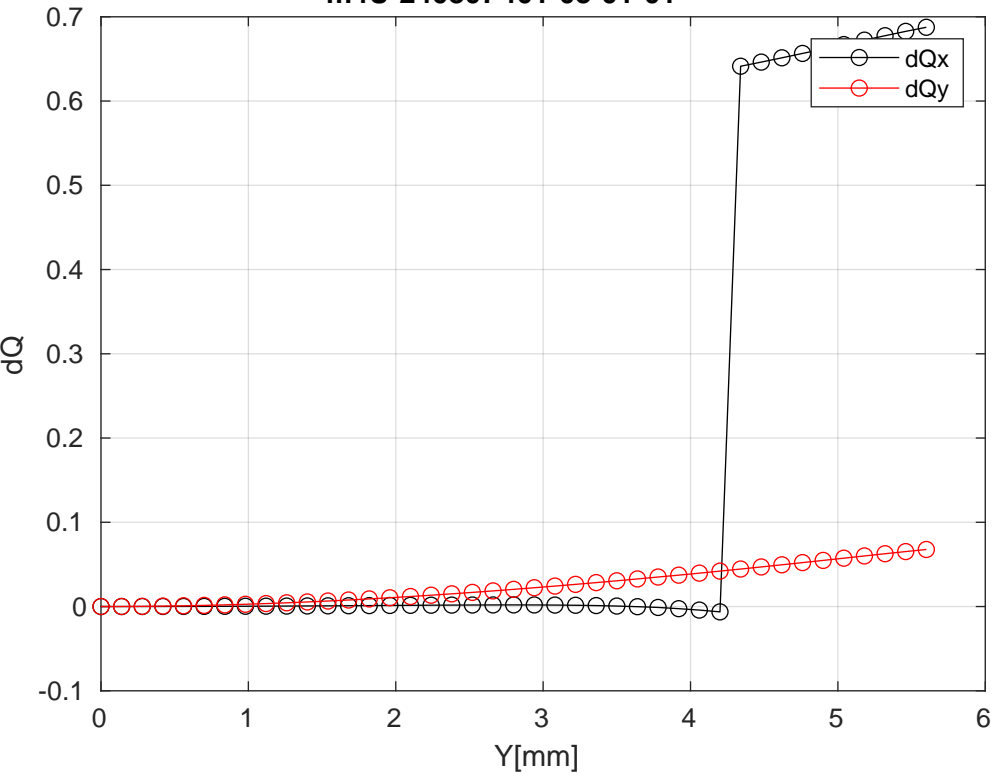
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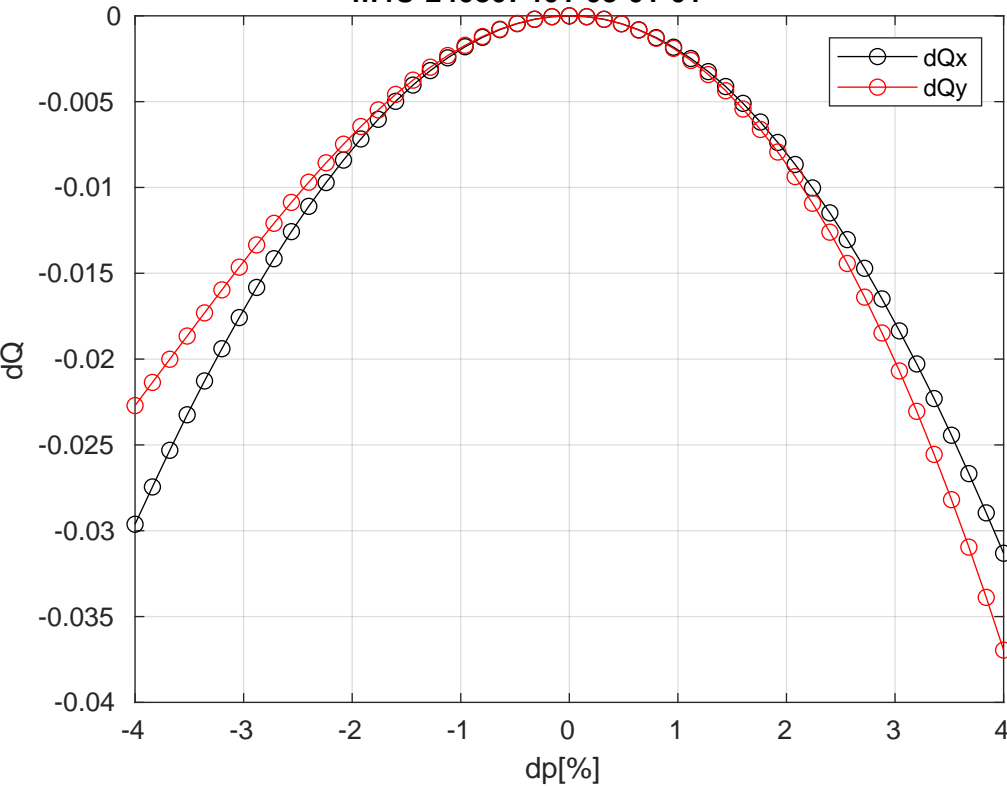
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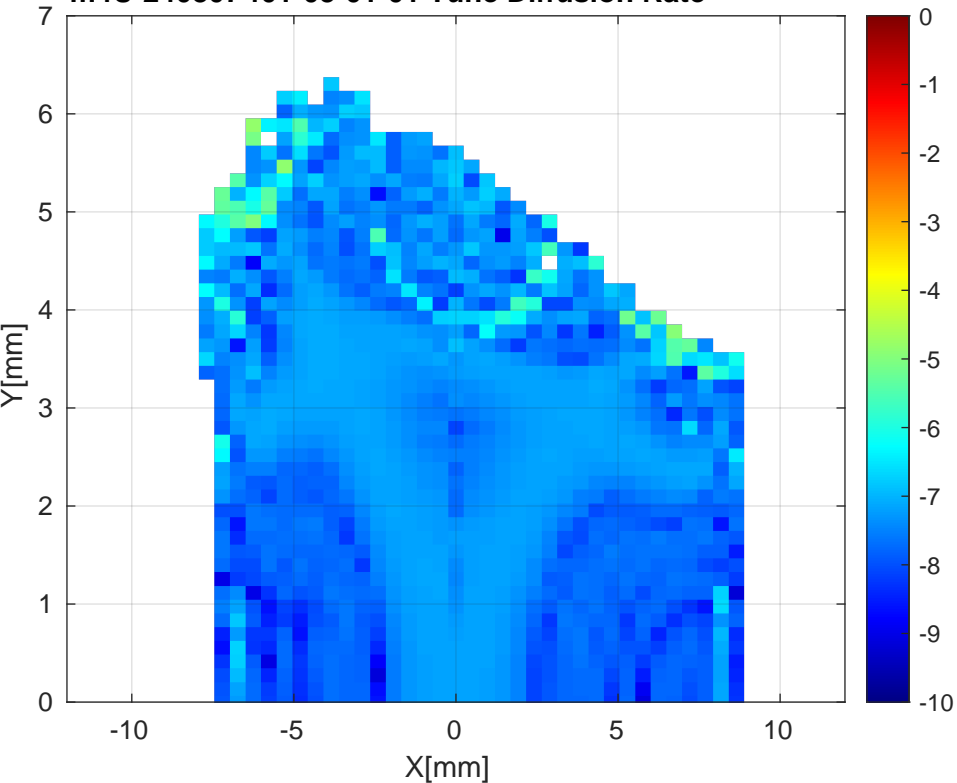
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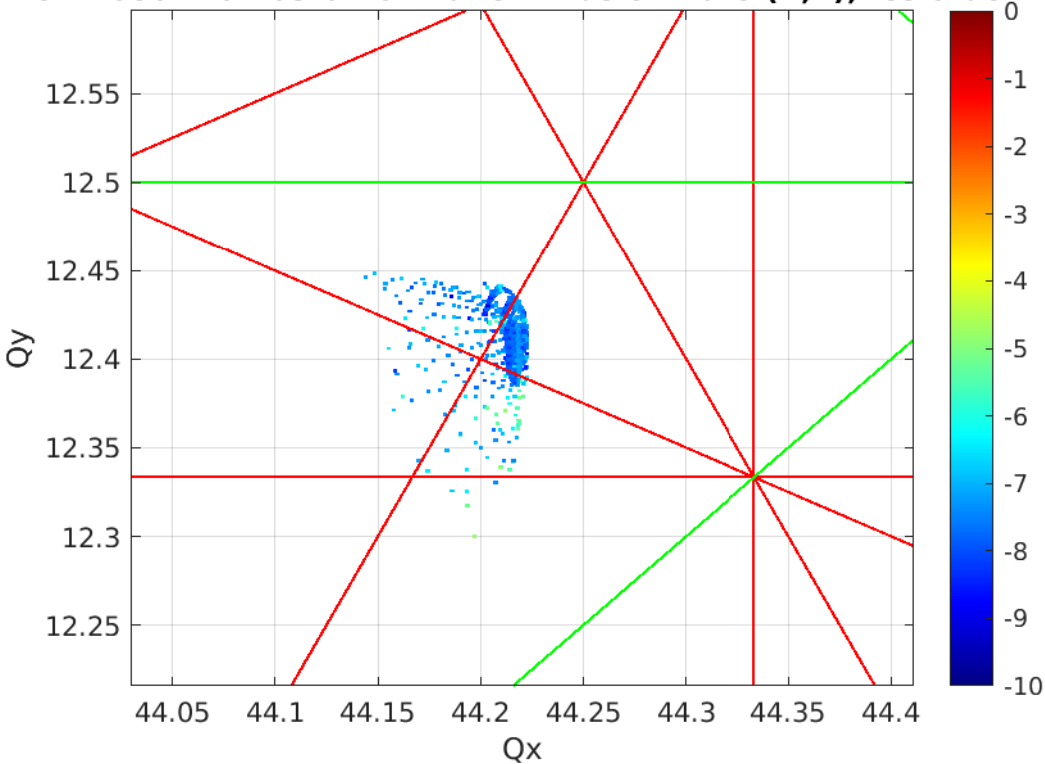
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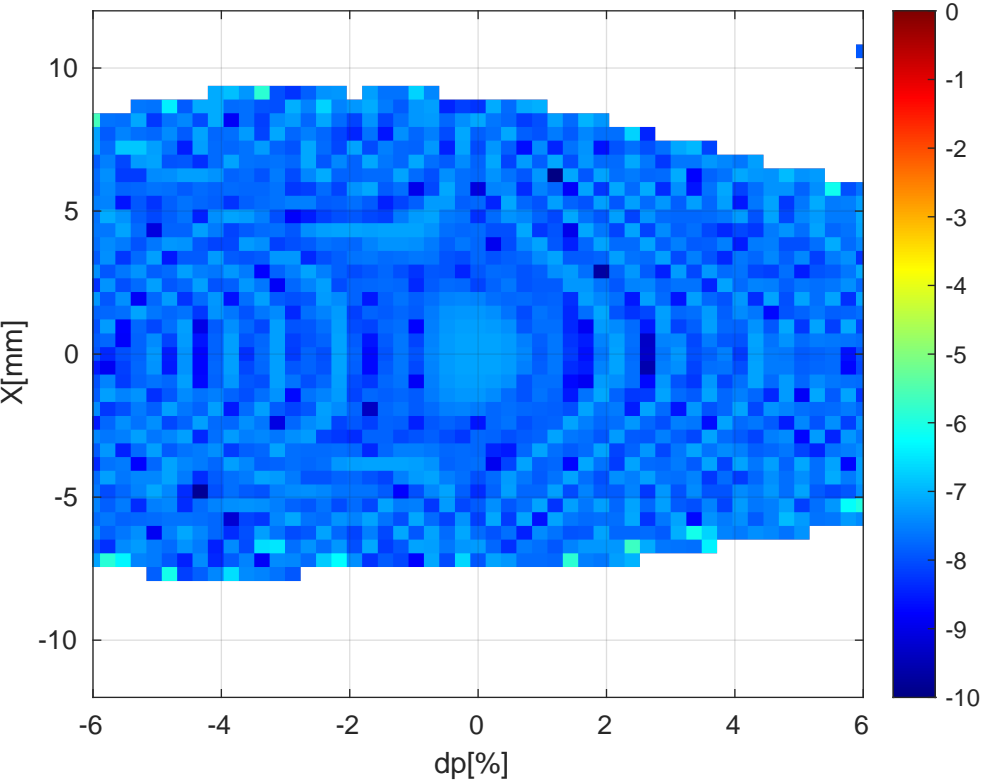
m4U-240807-f01-03-01-01 Tune Diffusion Rate



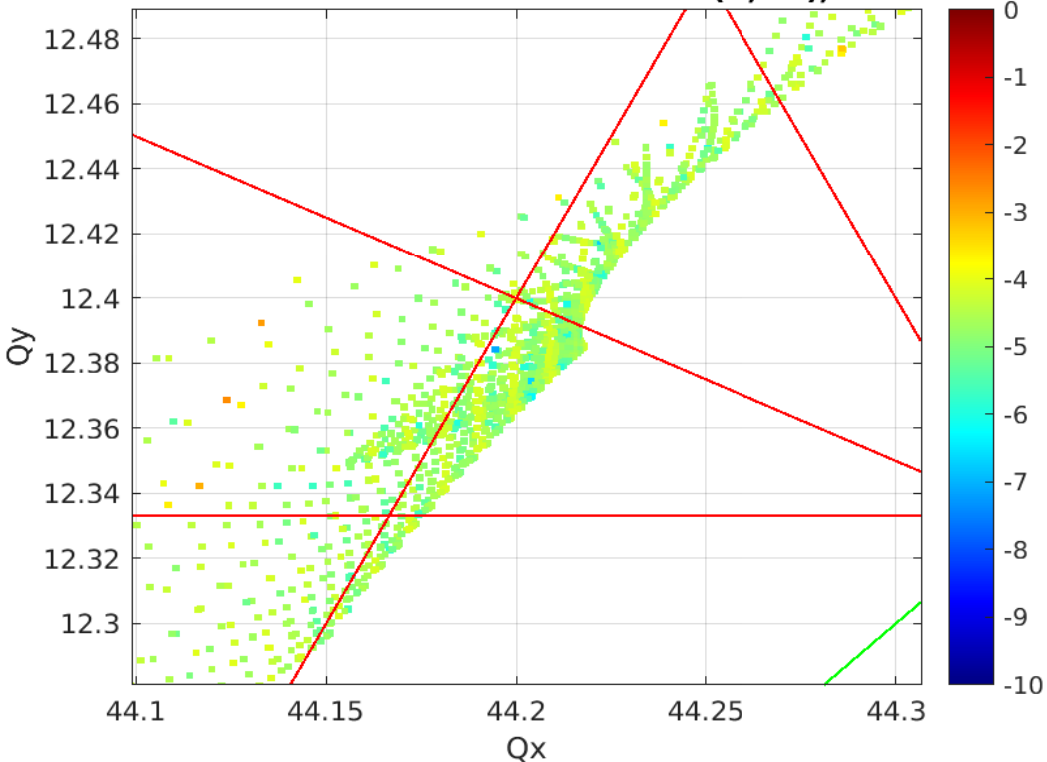
n4U-240807-f01-03-01-01 Tune Diffusion Rate:(X,Y),Res order=3



m4U-240807-f01-03-01-01 Tune Diffusion Rate

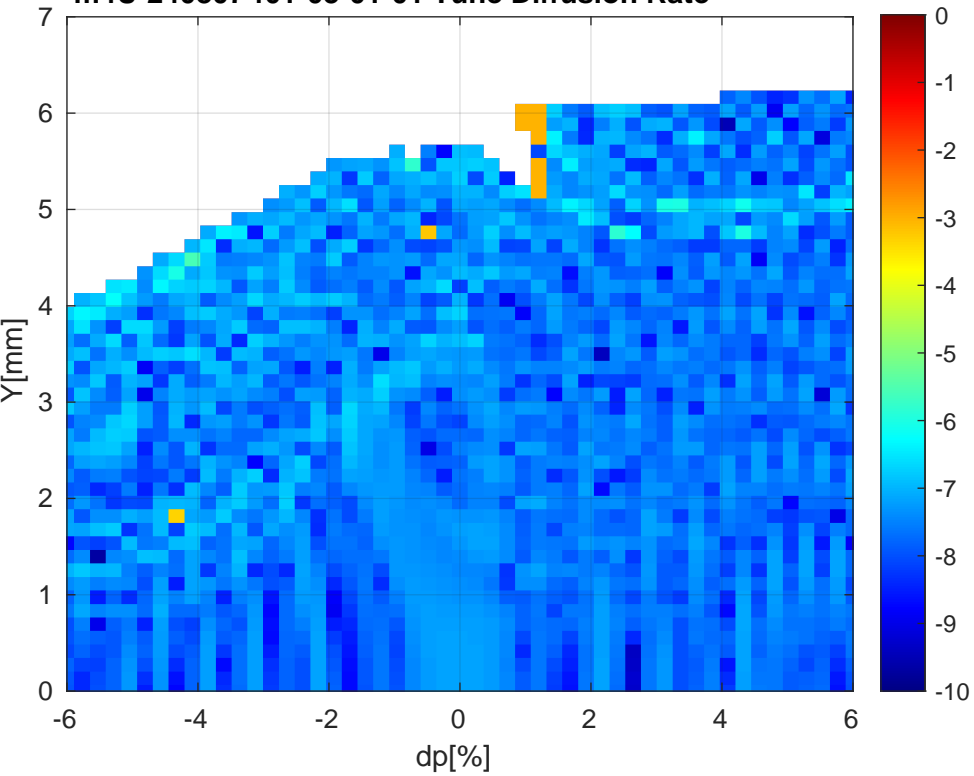


m4U-240807-f01-03-01 Tune Diffusion:(X,DP), Res order=3

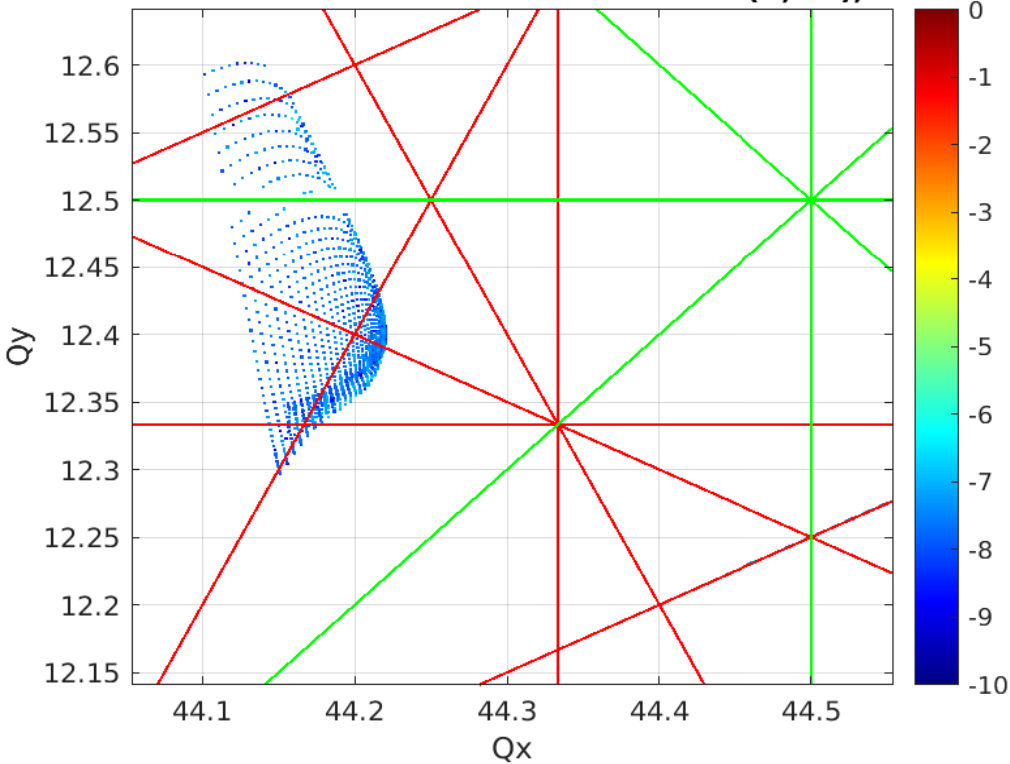




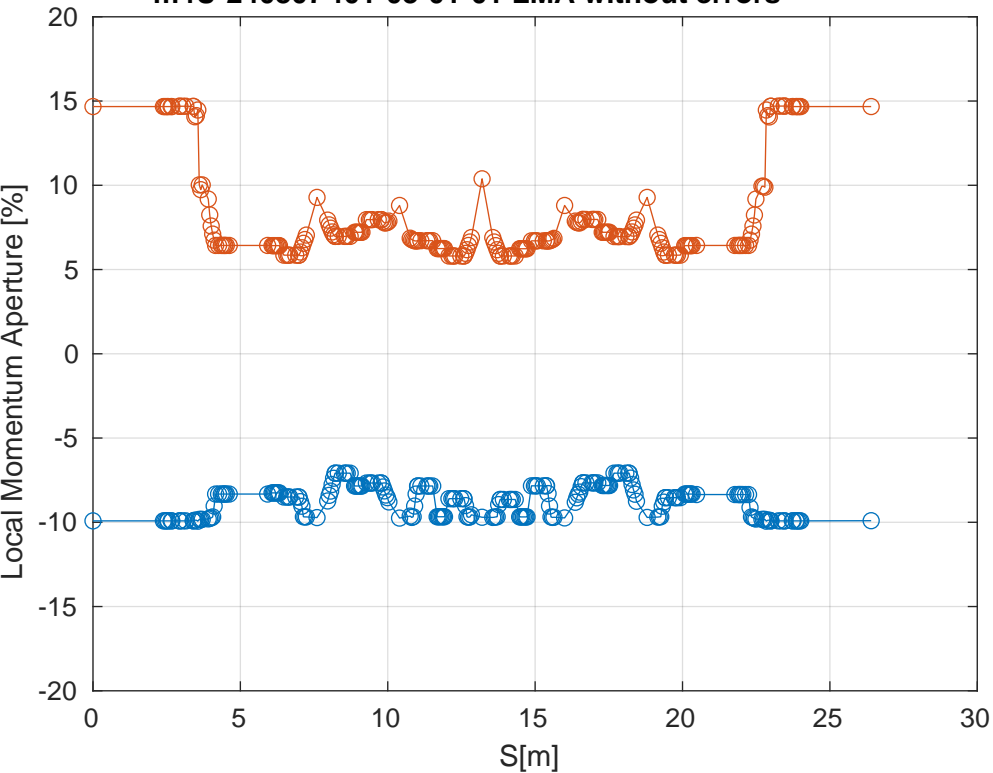
m4U-240807-f01-03-01-01 Tune Diffusion Rate



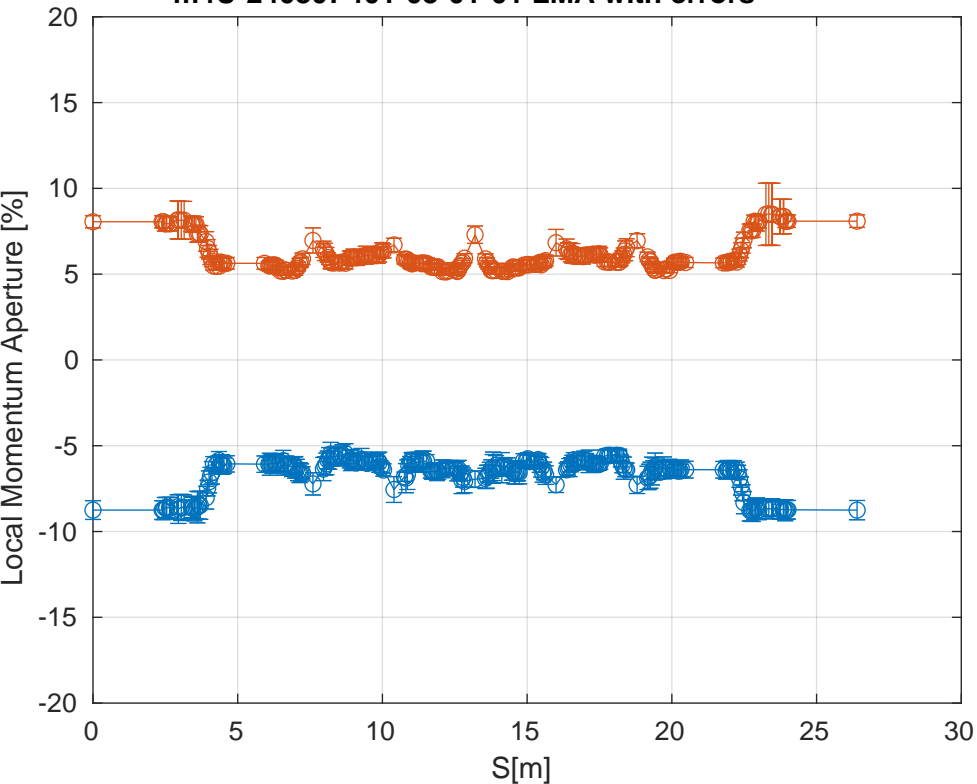
U-240807-f01-03-01-01 Tune Diffusion Rate:(Y,DP),Res order=3



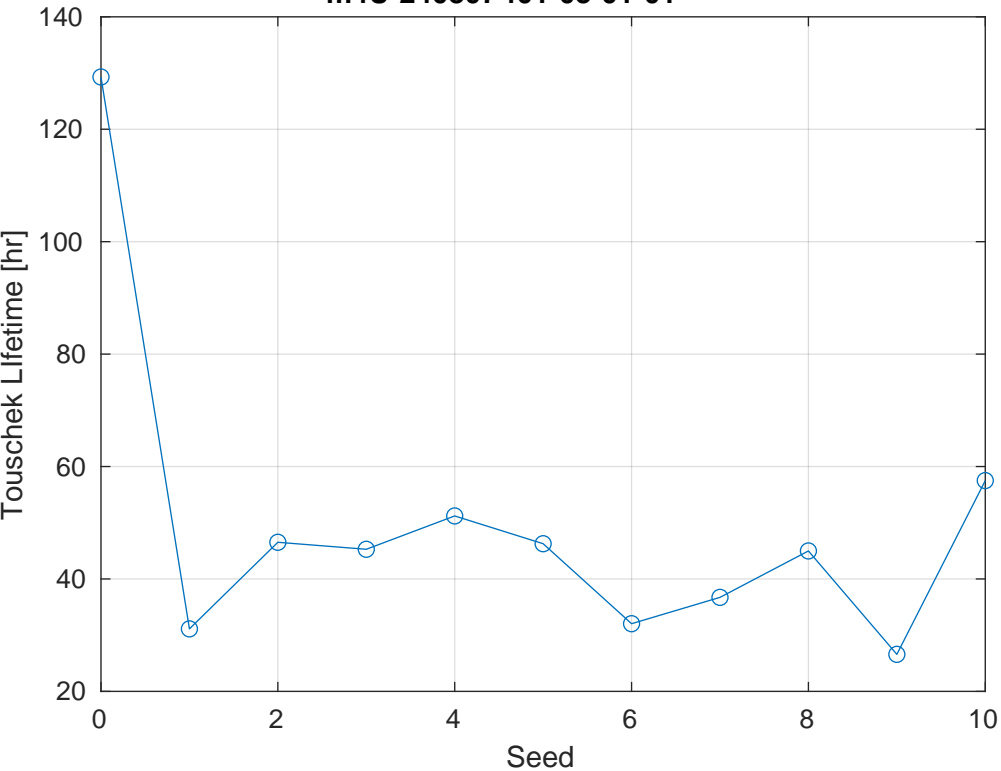
m4U-240807-f01-03-01-01 LMA without errors



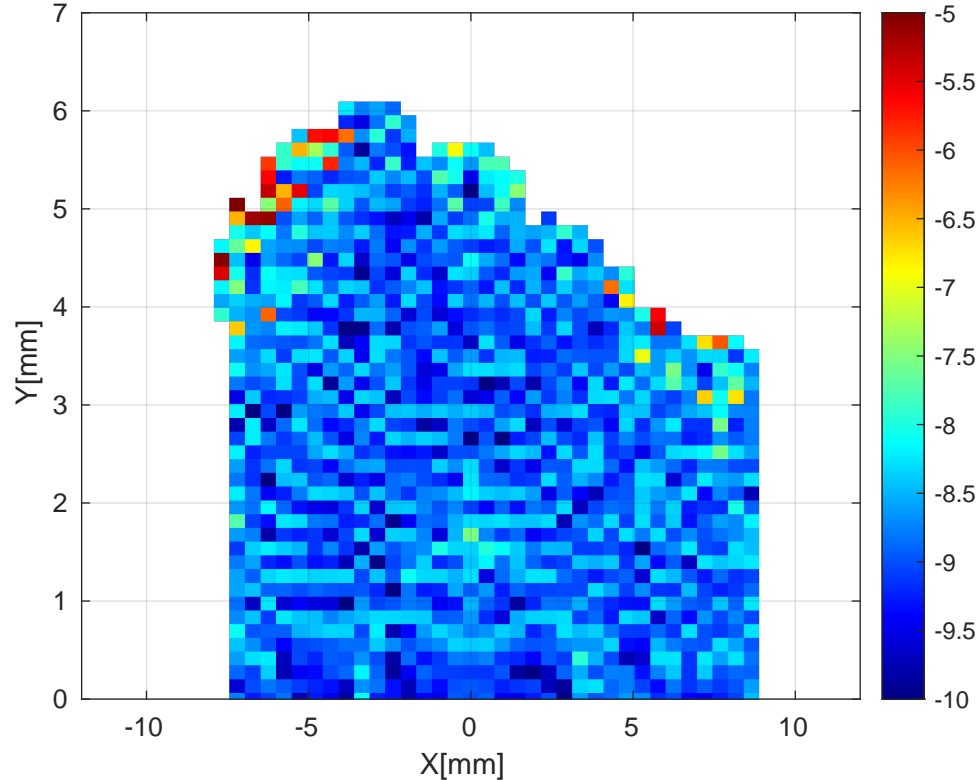
m4U-240807-f01-03-01-01 LMA with errors



m4U-240807-f01-03-01-01



m4U-240807-f01-03-01-01: no errors Tune Diffusion Rate



m4U-240807-f01-03-01-01: with errors Tune Diffusion Rate

