

\*\*\*\*\* Summary for 'm4U-240316-b03-01-03-01' \*\*\*\*\*

22-Jul-2024 07:04:51

Energy: ### 3.0 GeV

Circumference: ## 528.0 m

Full tunes H/V: ## 55.15 / 16.19

Momentum Compaction Factor: # 1.01e-04

Chromaticity H: ##+1.00

Chromaticity V: ##+1.00

Radiation Loss: ## 408.4 keV

Natural Energy Spread: # 0.07 %

Natural Emittance: ## 100.8 pmrad

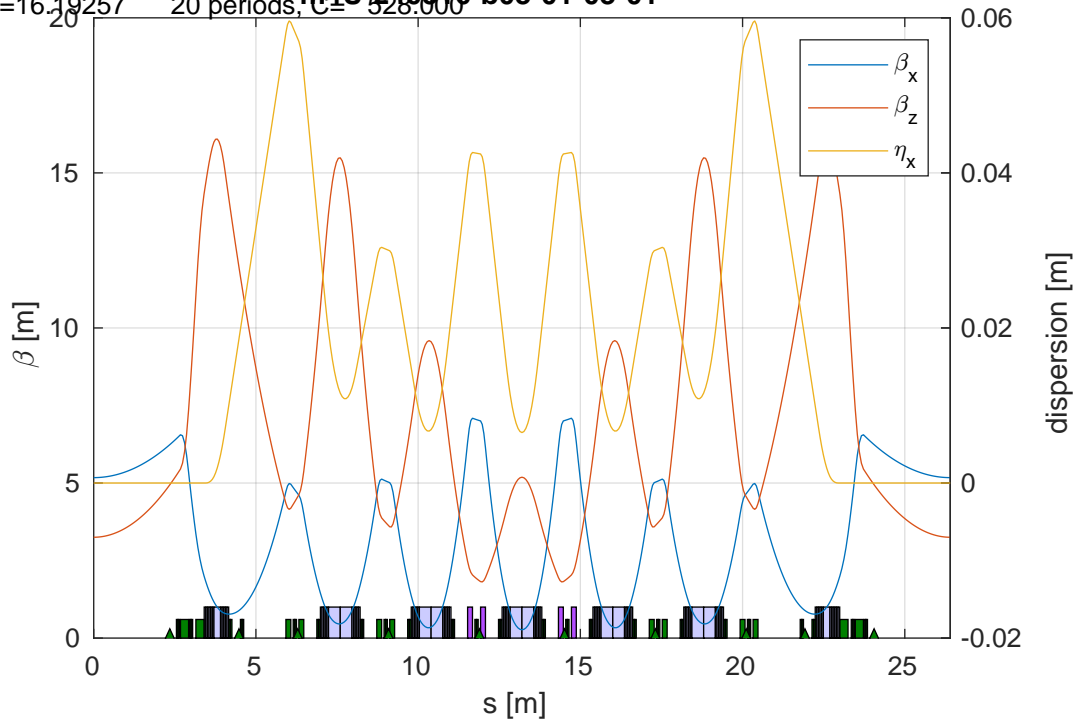
RF Voltage: # 1.8 MV

Achromat natural chromaticities: H/V## -4.31 / -3.05

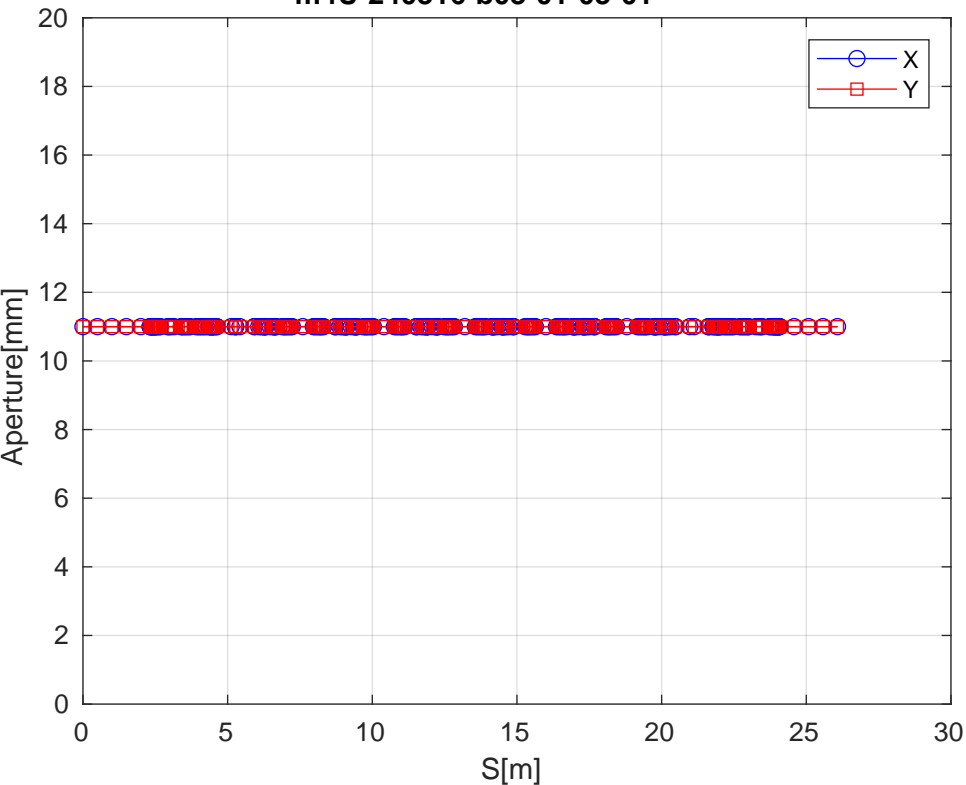
Achromat tunes H/V: ## 2.76 / 0.81

$\nu_x = 55.14882$  $\delta p/p = 0.000$  $\nu_z = 16.19257$ 20 periods,  $C = 328.000$ 

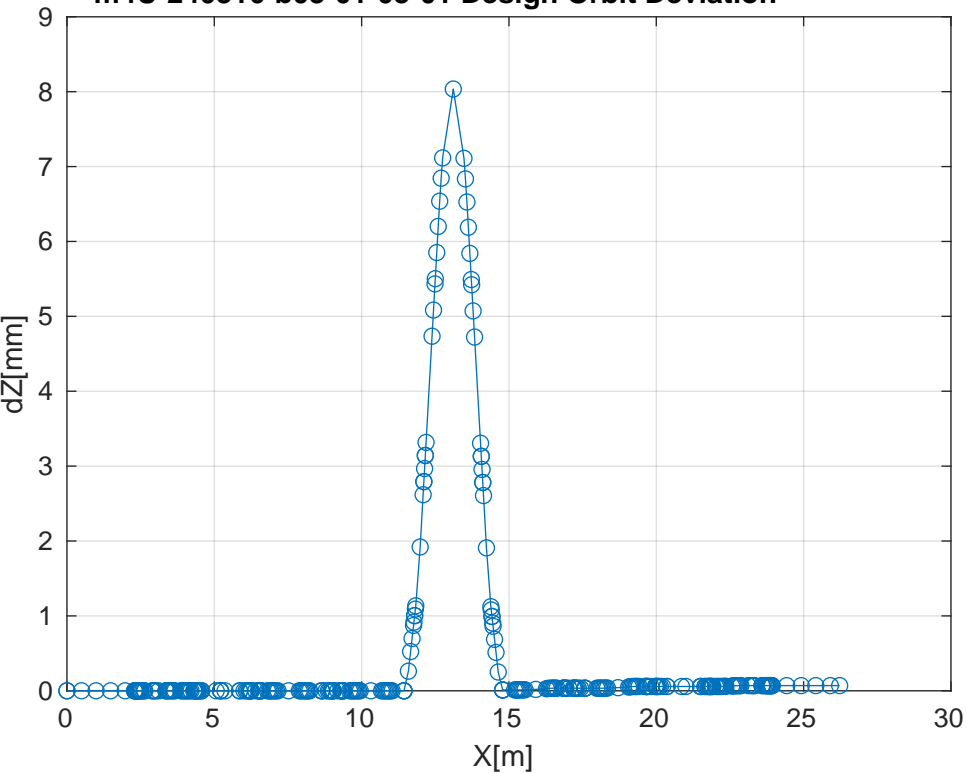
m4U-240316-b03-01-03-01



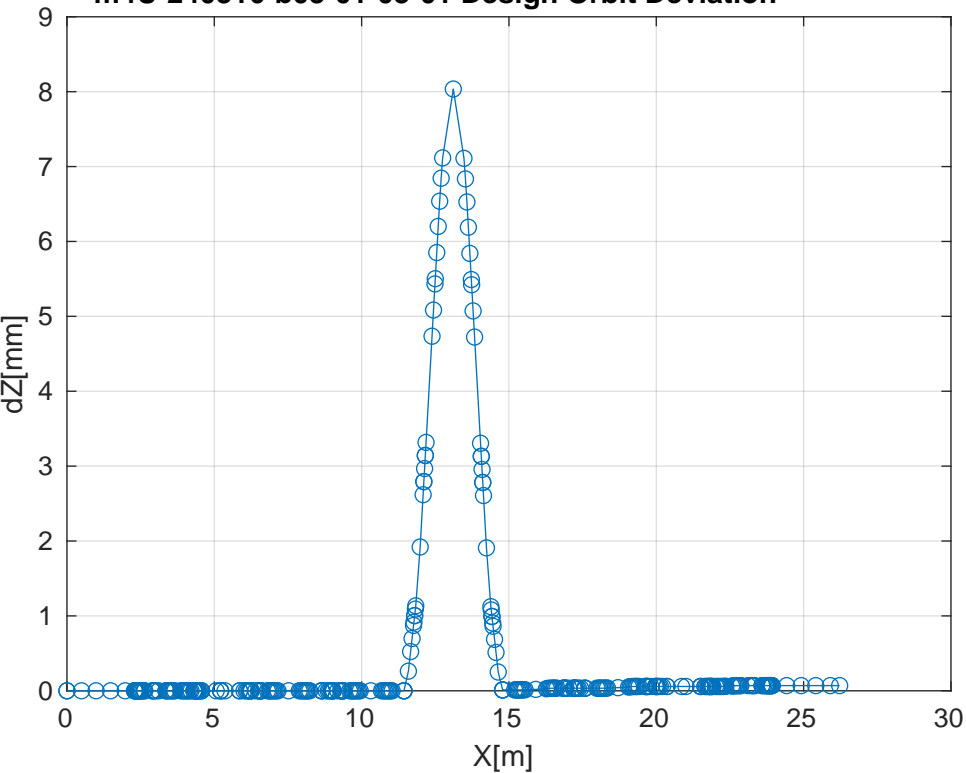
# m4U-240316-b03-01-03-01



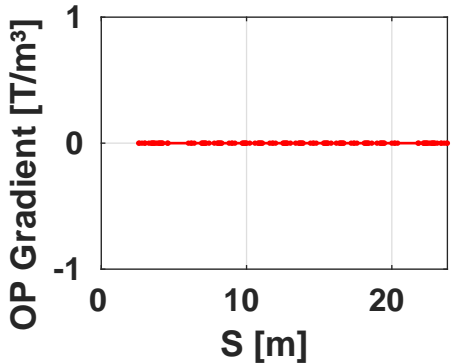
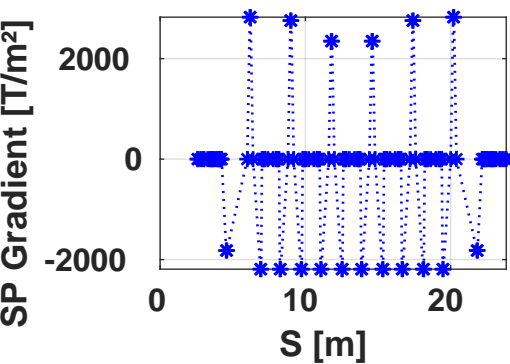
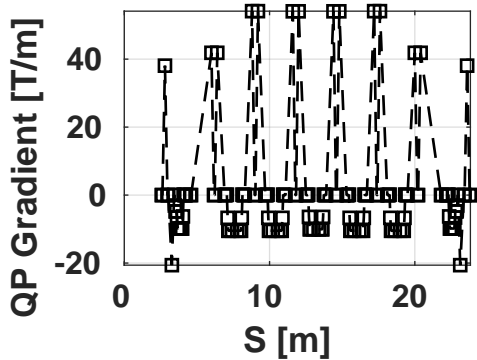
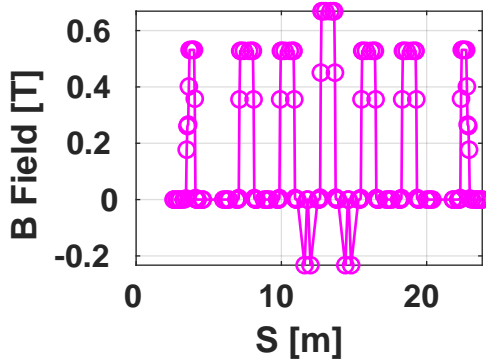
m4U-240316-b03-01-03-01 Design Orbit Deviation



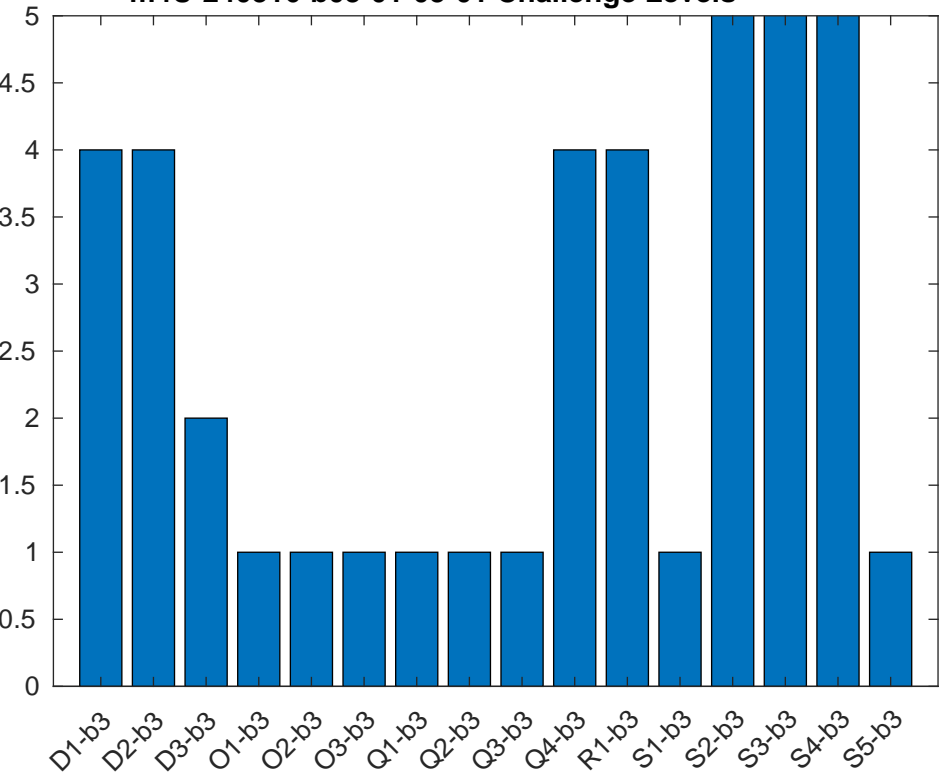
m4U-240316-b03-01-03-01 Design Orbit Deviation



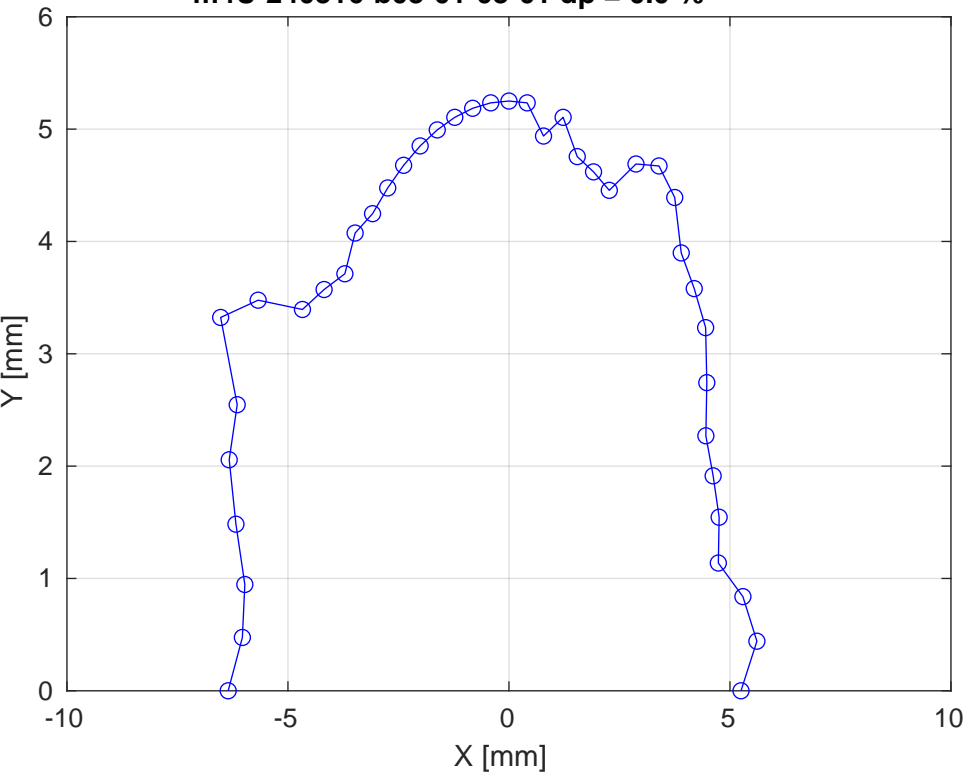
m4U-240316-b03-01-03-01



m4U-240316-b03-01-03-01 Challenge Levels

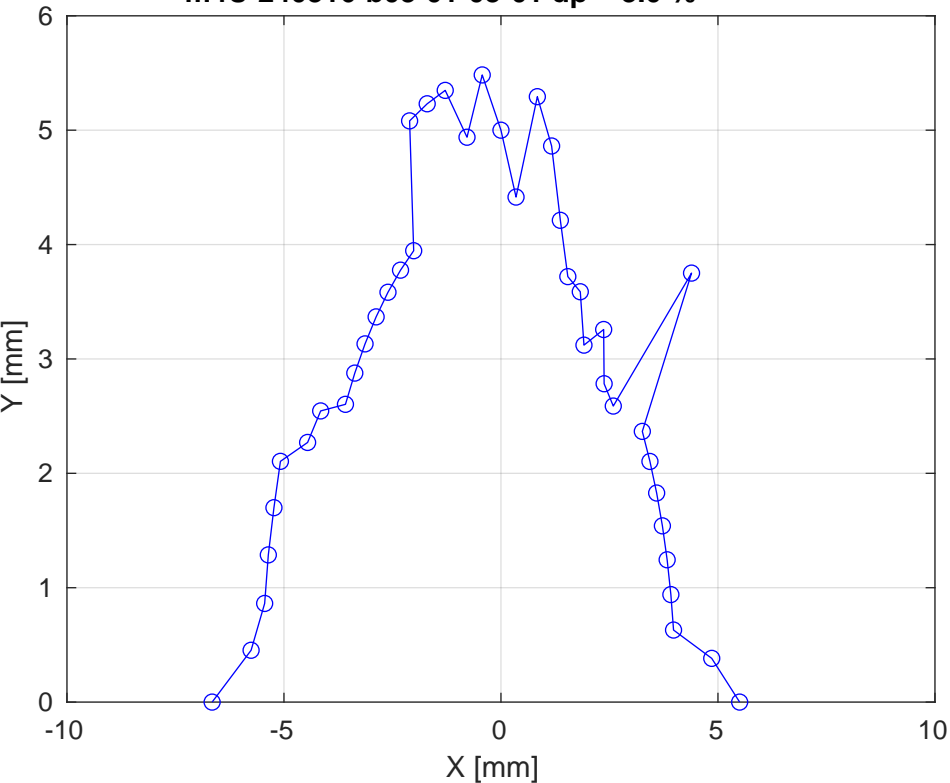


m4U-240316-b03-01-03-01 dp = 0.0 %

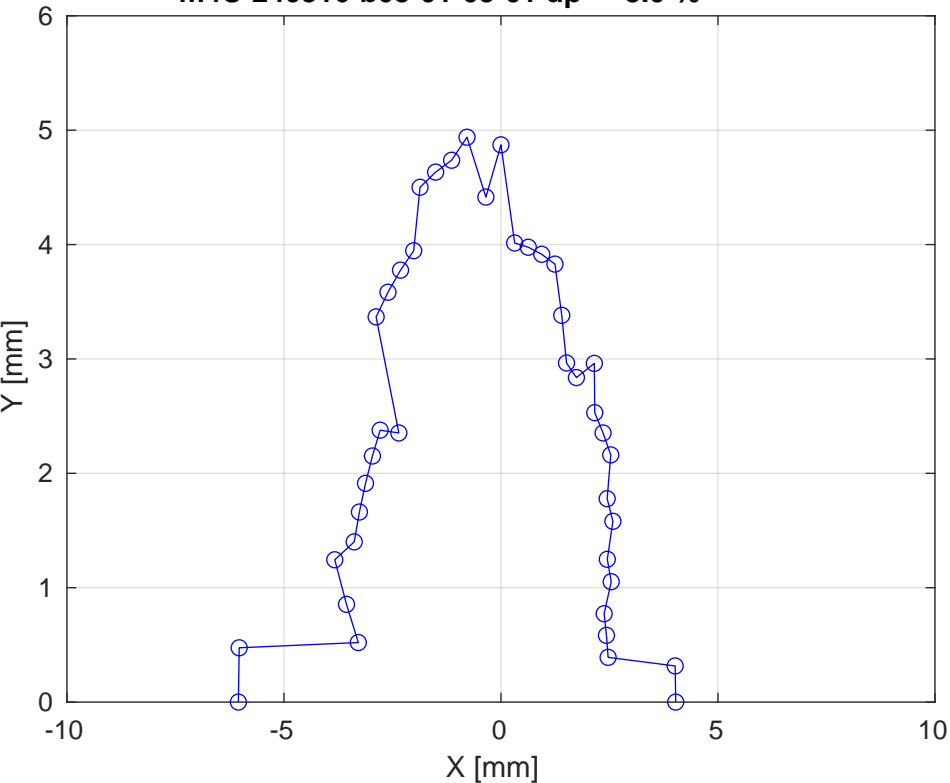




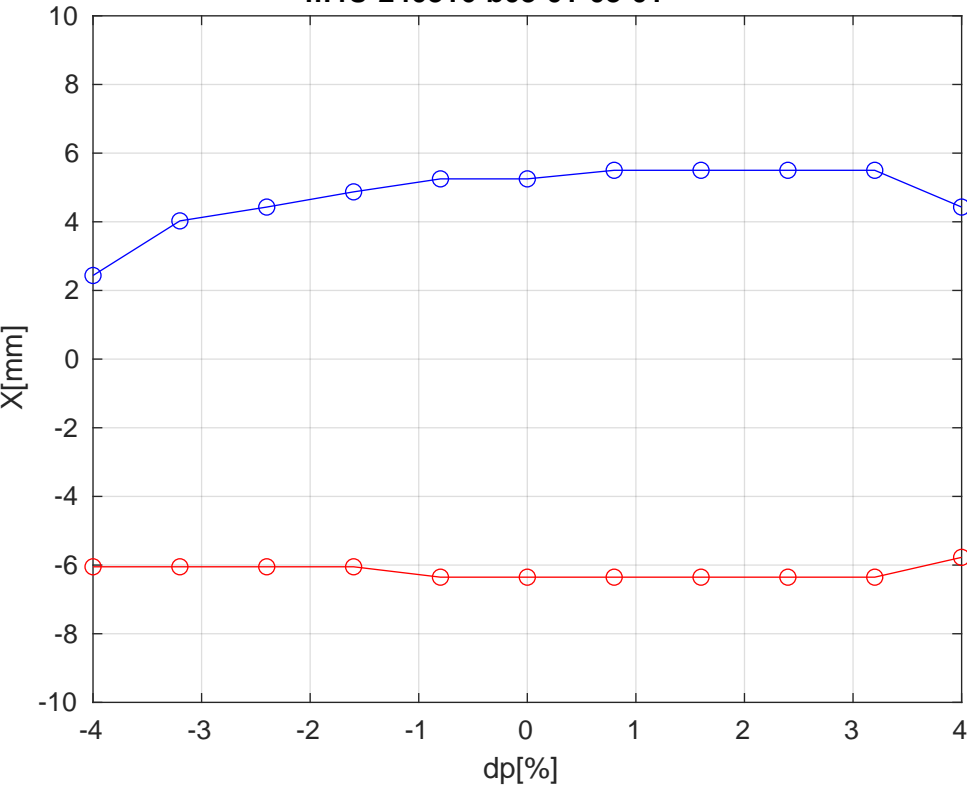
m4U-240316-b03-01-03-01 dp = 3.0 %



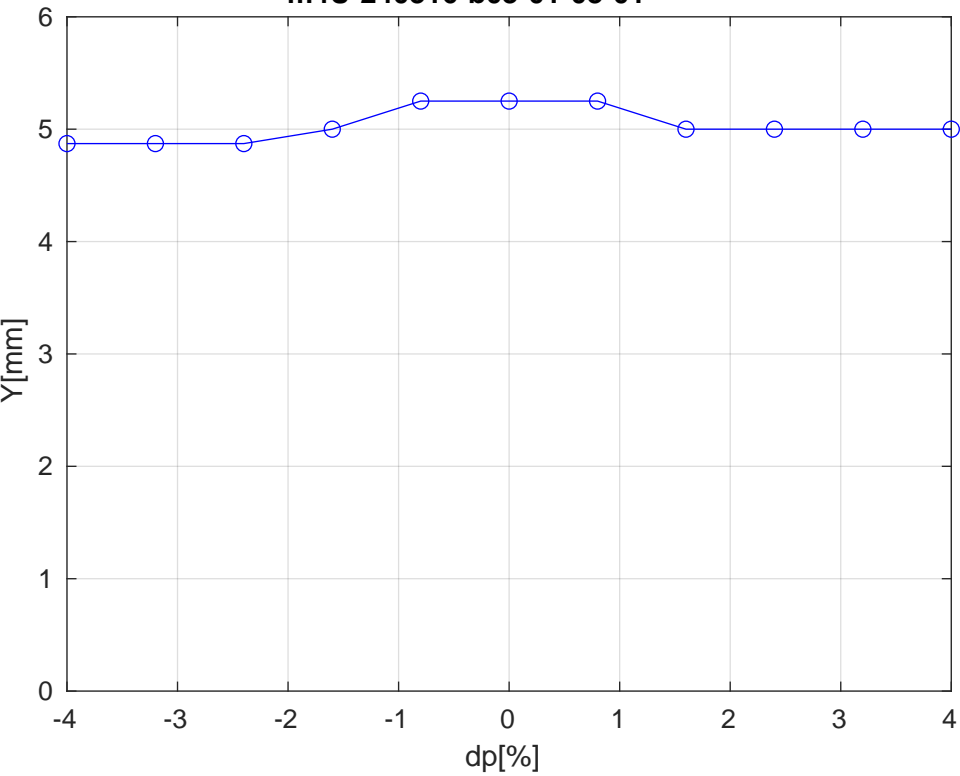
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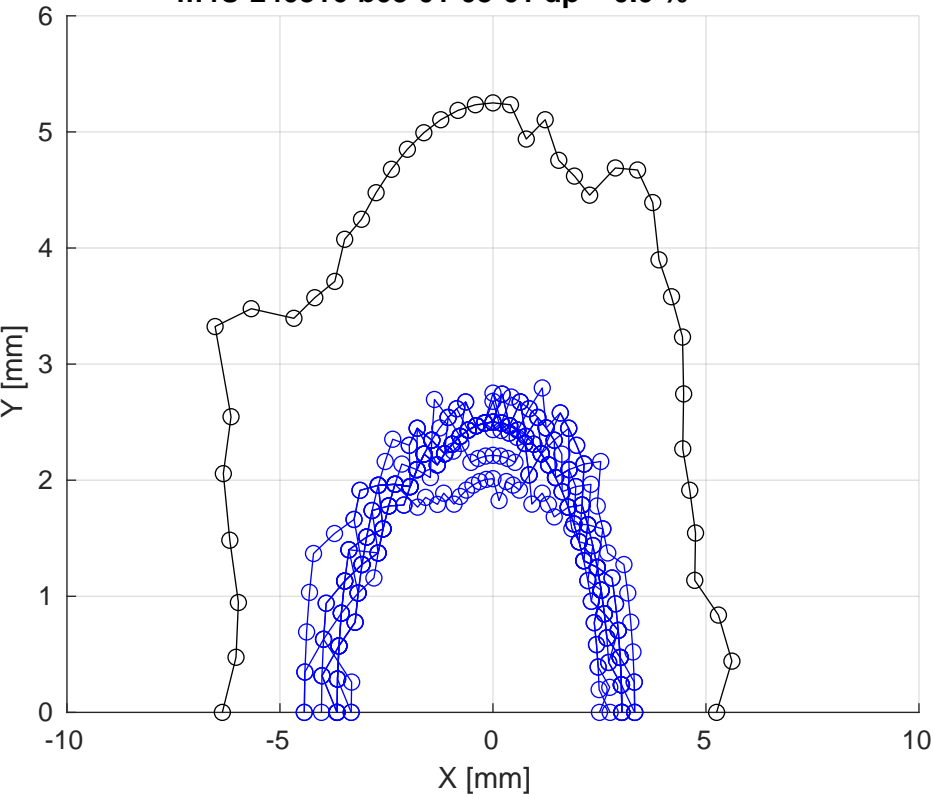
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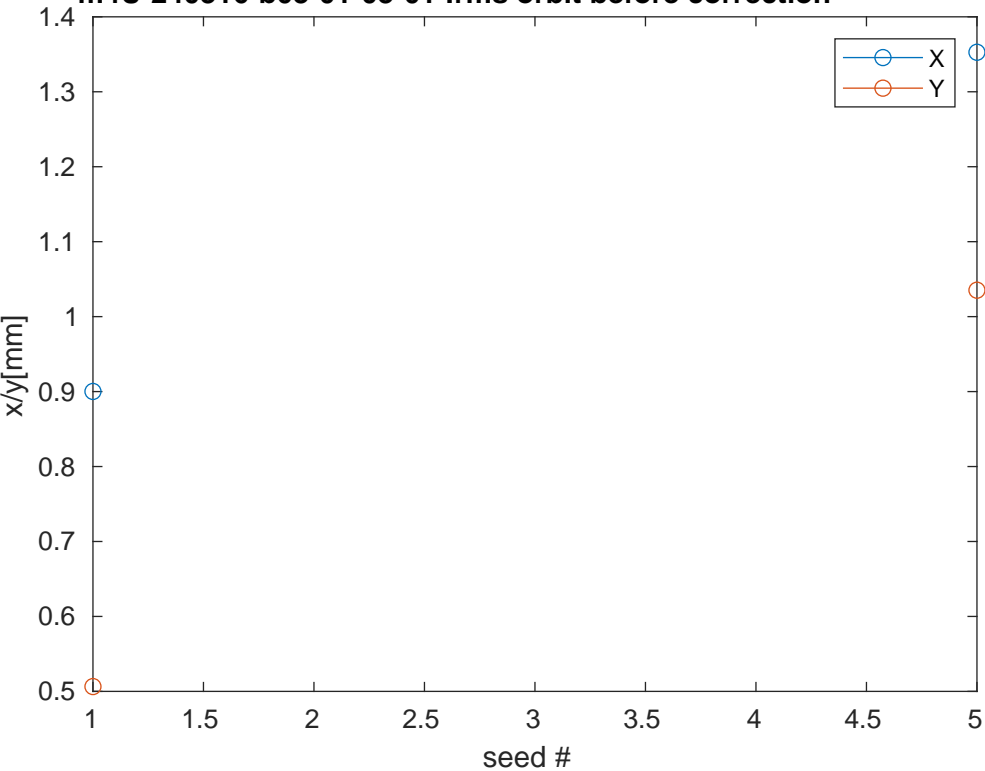
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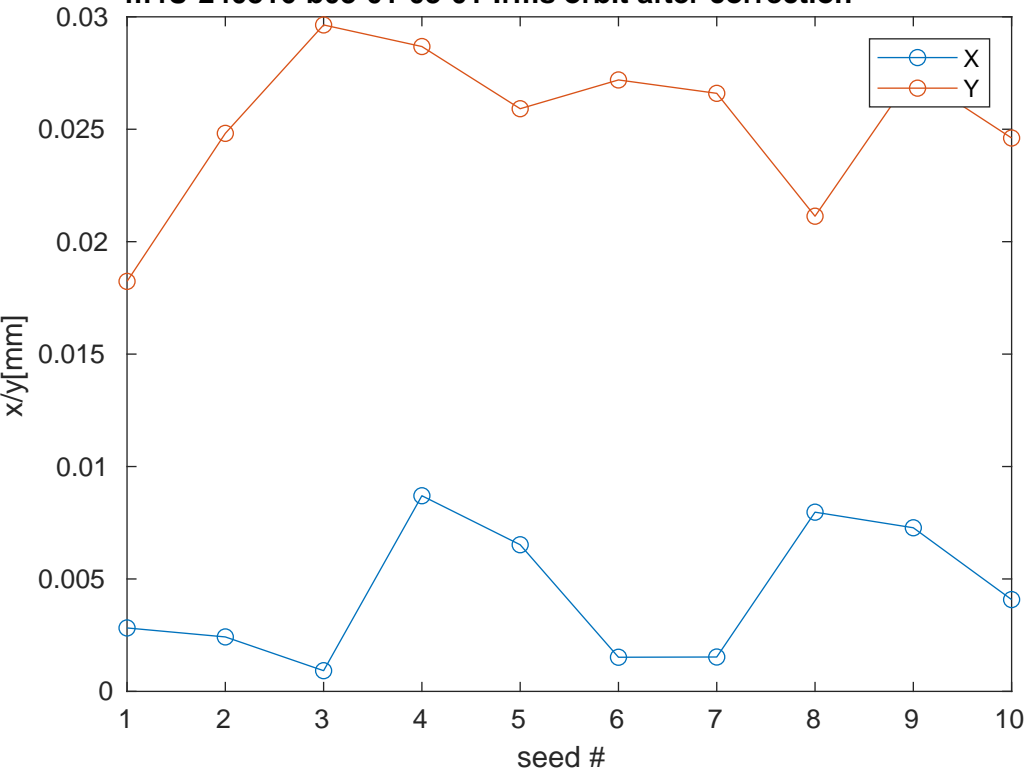
**m4U-240316-b03-01-03-01 dp = 0.0 %**



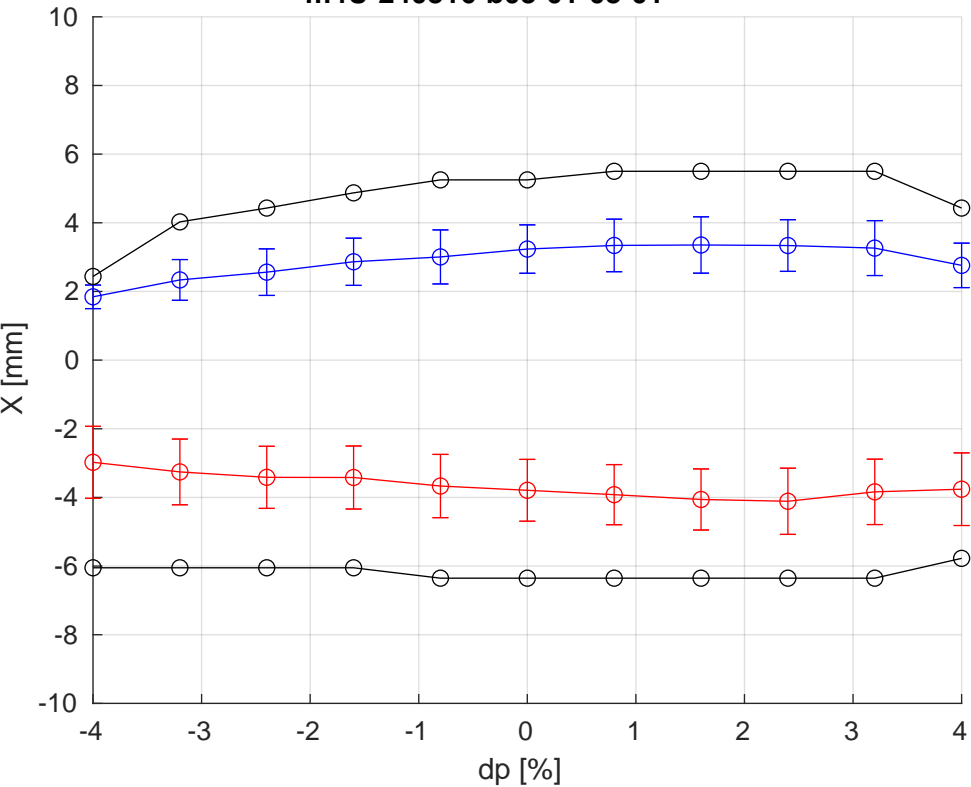
m4U-240316-b03-01-03-01 :rms orbit before correction



m4U-240316-b03-01-03-01 :rms orbit after correction

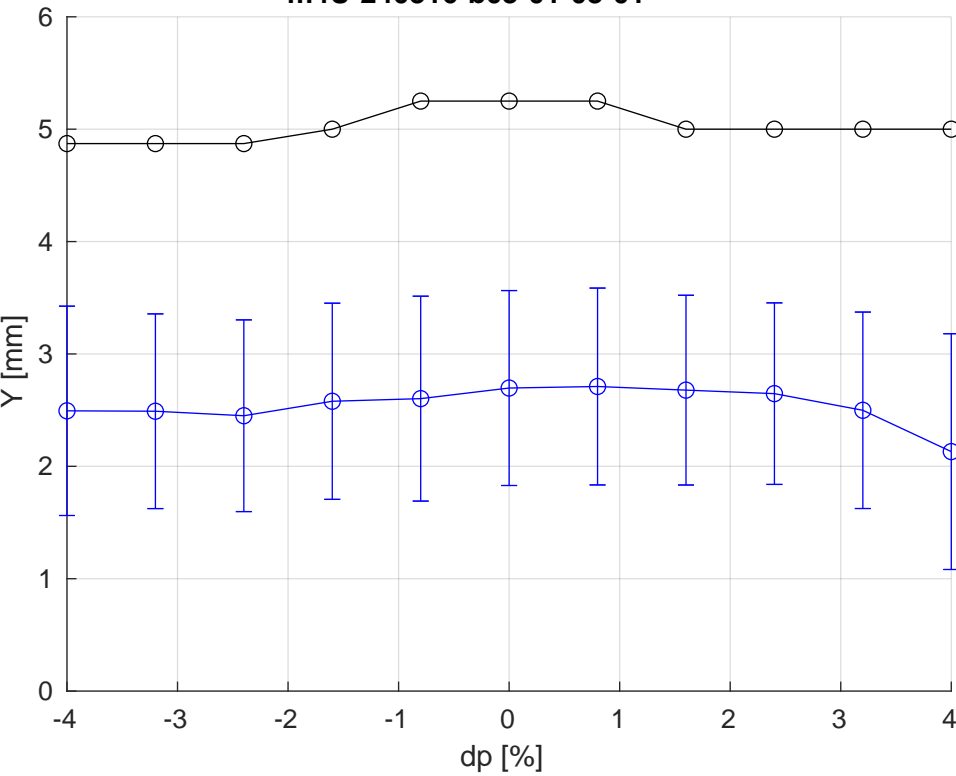


m4U-240316-b03-01-03-01

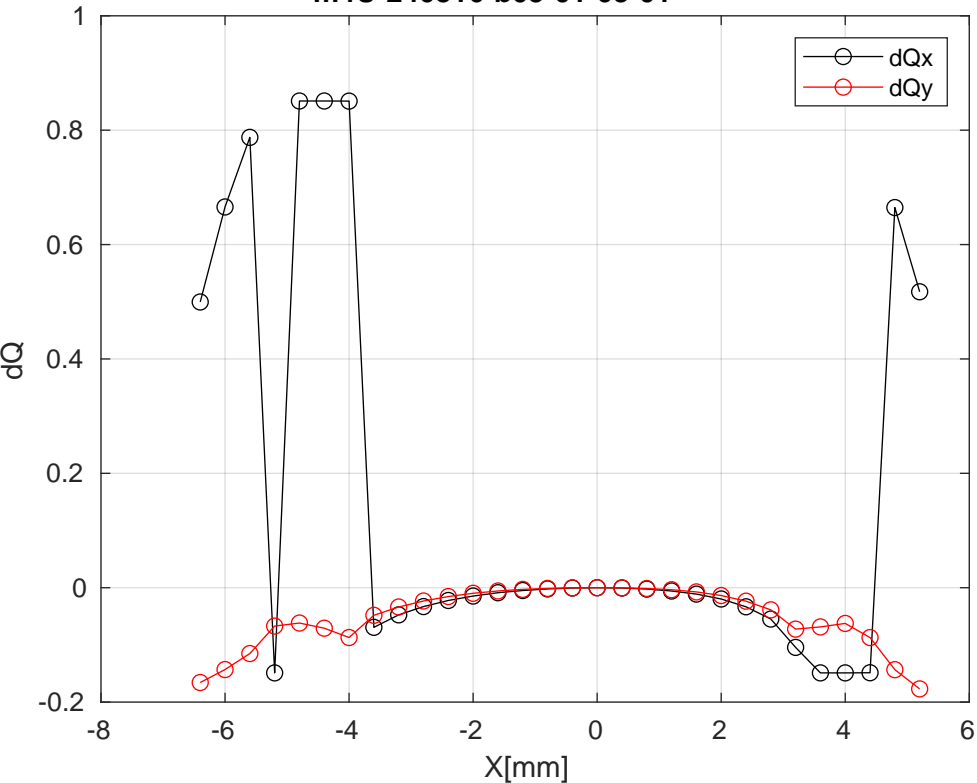




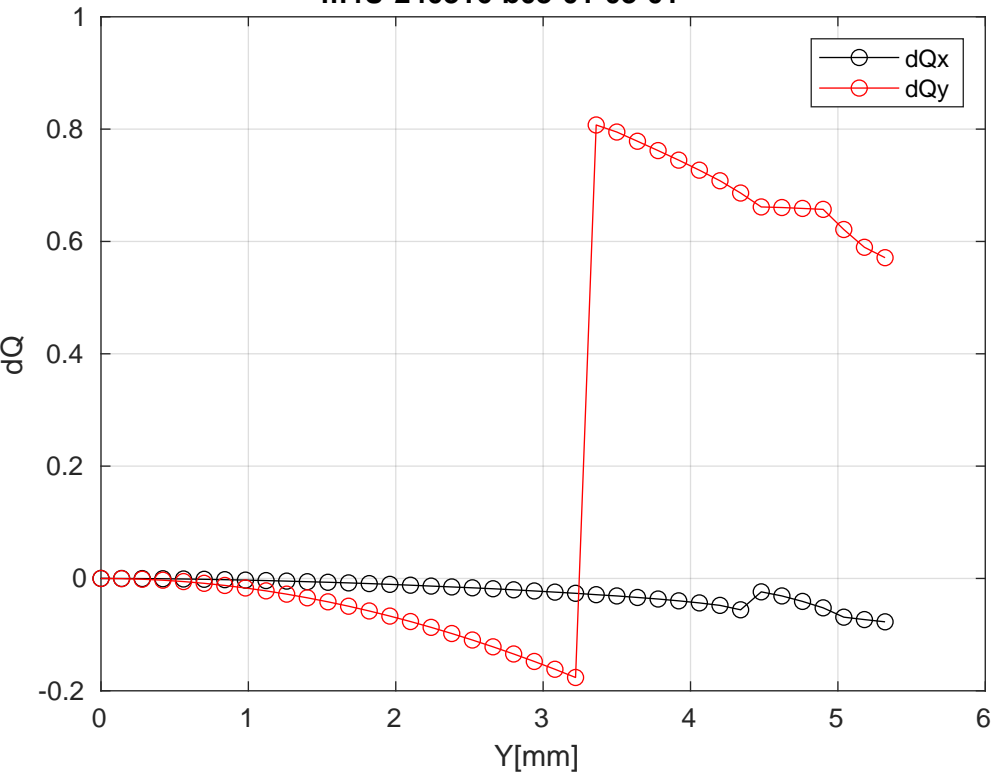
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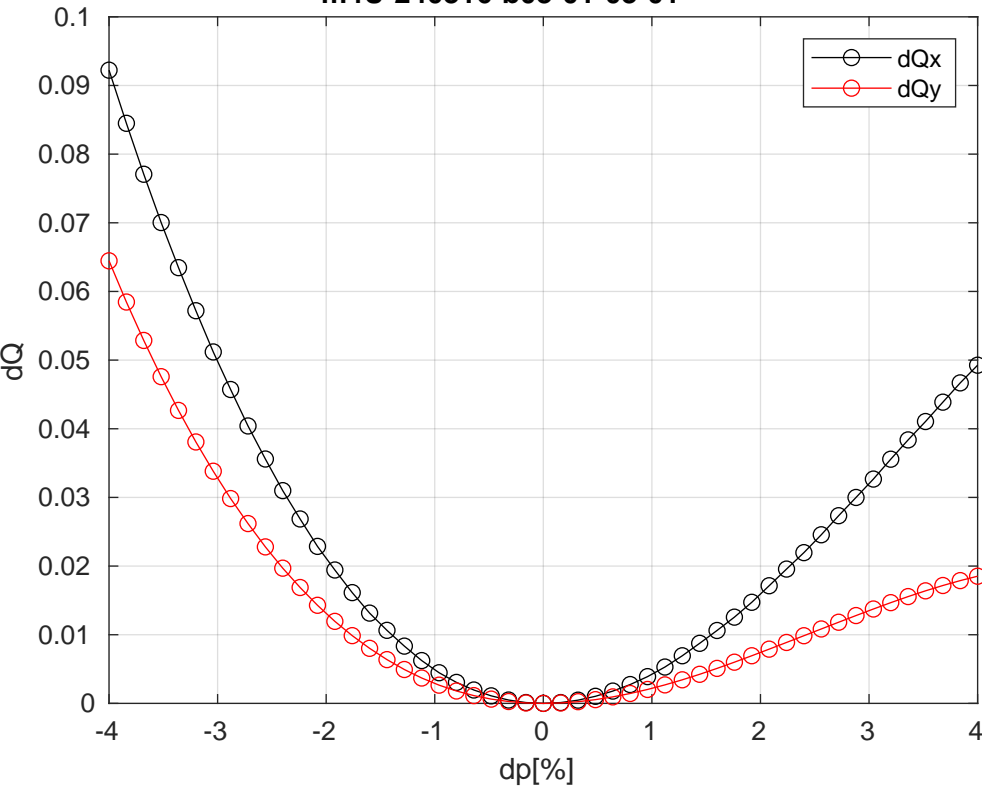
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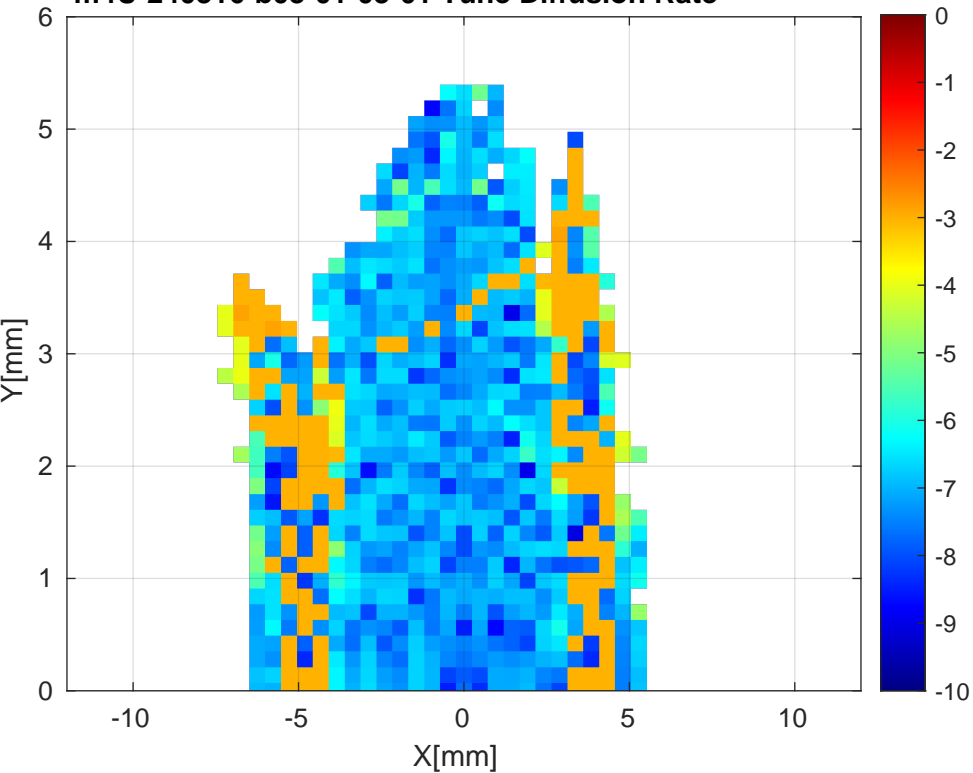
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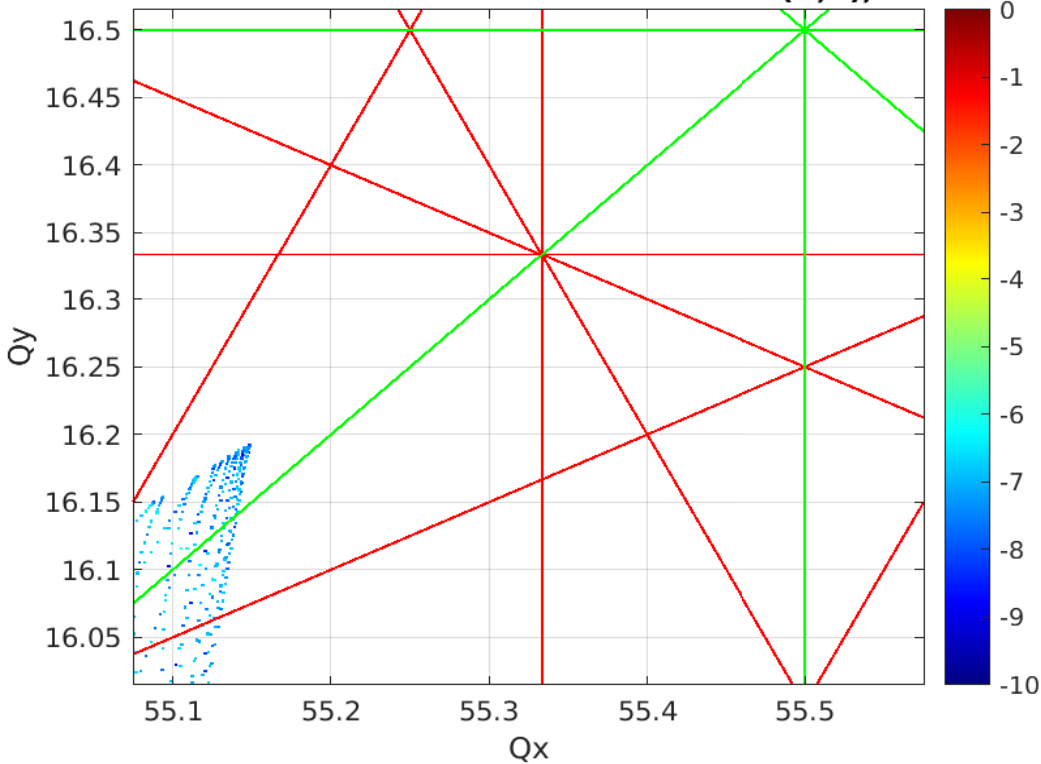
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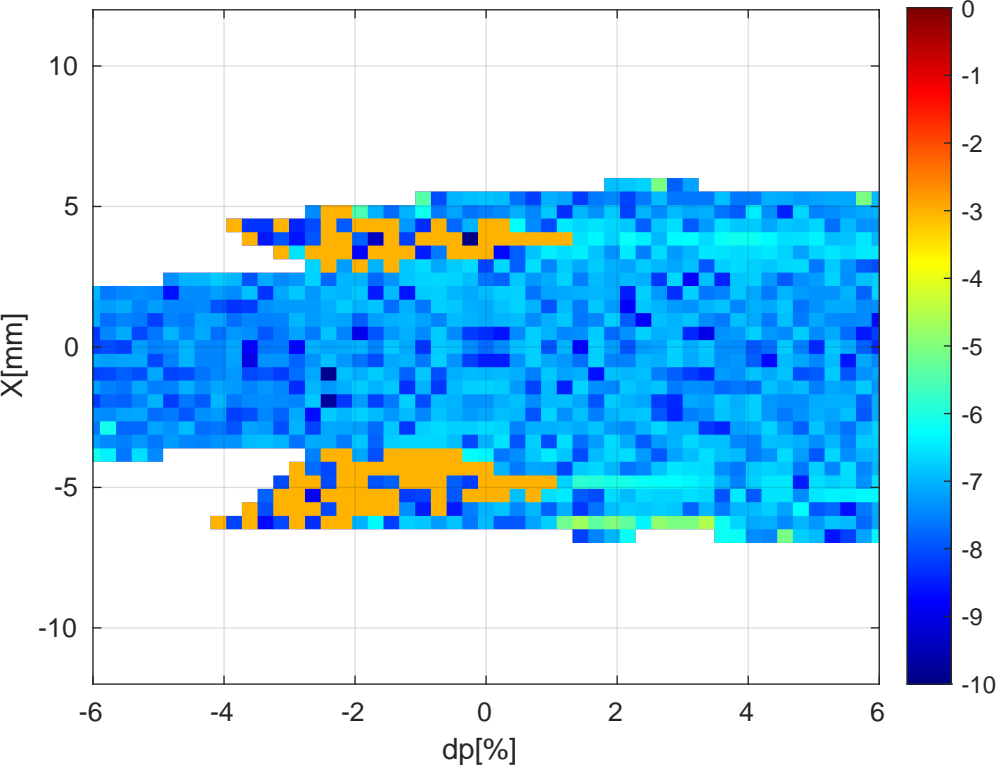
m4U-240316-b03-01-03-01 Tune Diffusion Rate



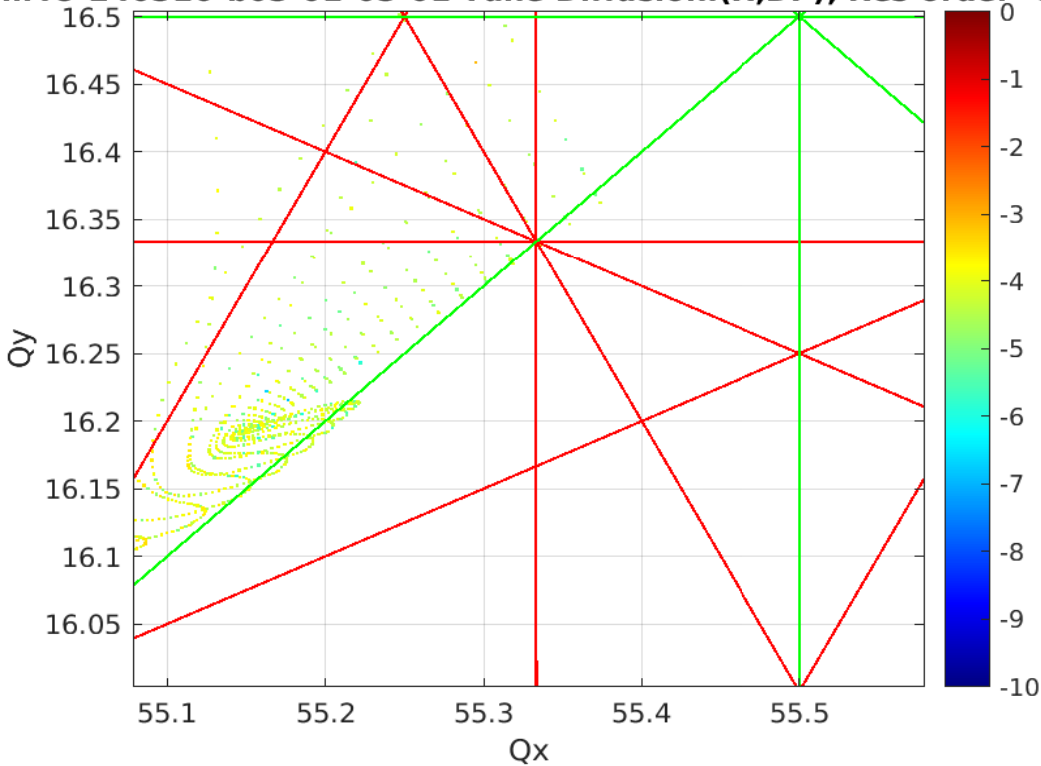
4U-240316-b03-01-03-01 Tune Diffusion Rate:(X,Y),Res order=3



m4U-240316-b03-01-03-01 Tune Diffusion Rate

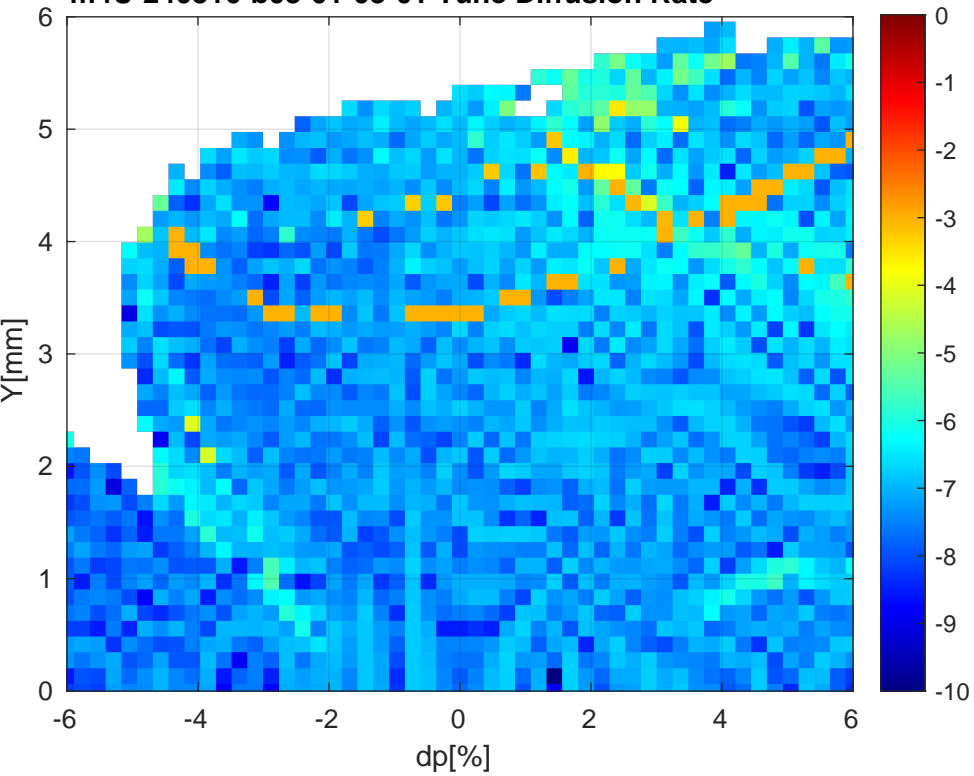


**m4U-240316-b03-01-03-01 Tune Diffusion:(X,DP), Res order=3**

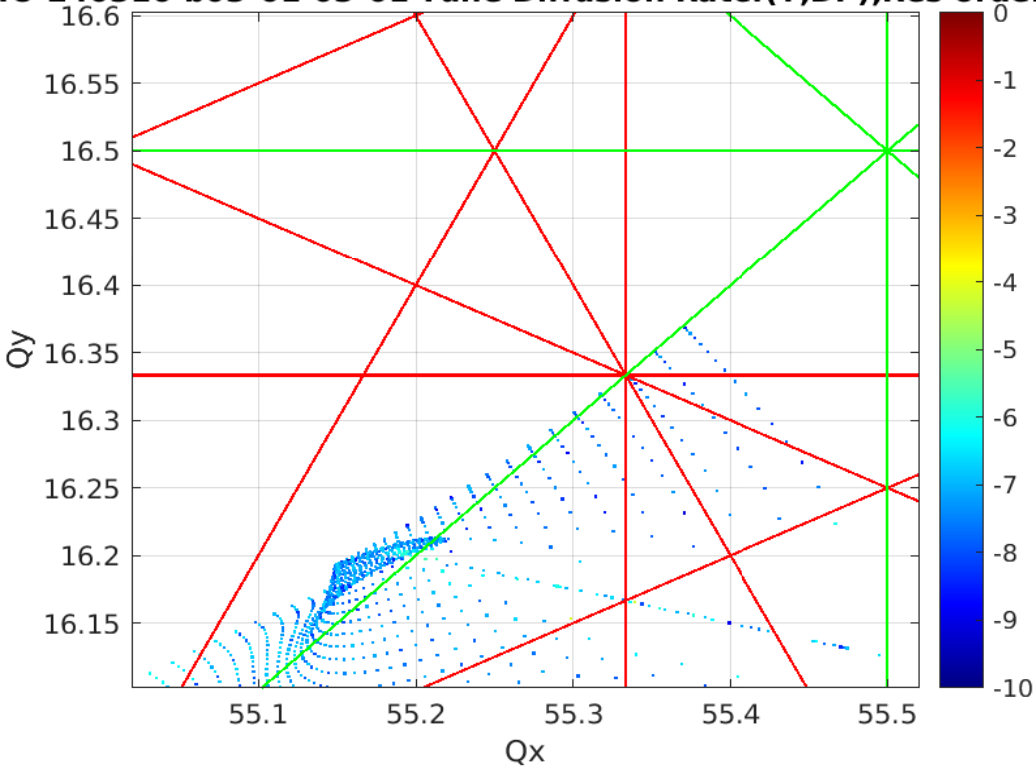




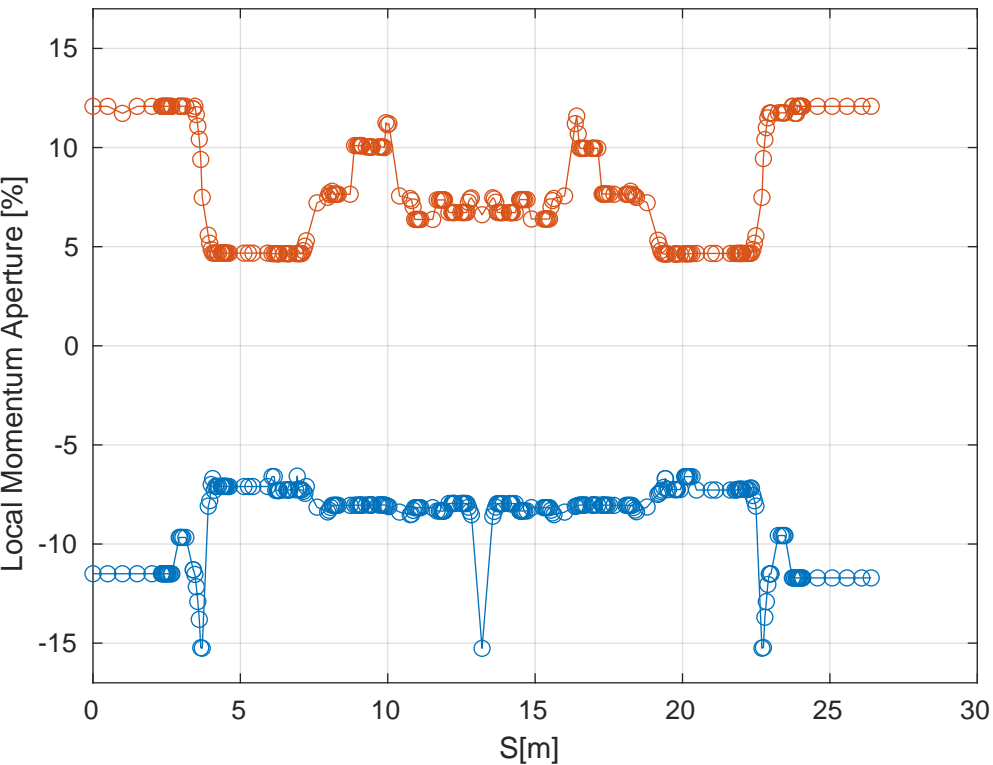
m4U-240316-b03-01-03-01 Tune Diffusion Rate



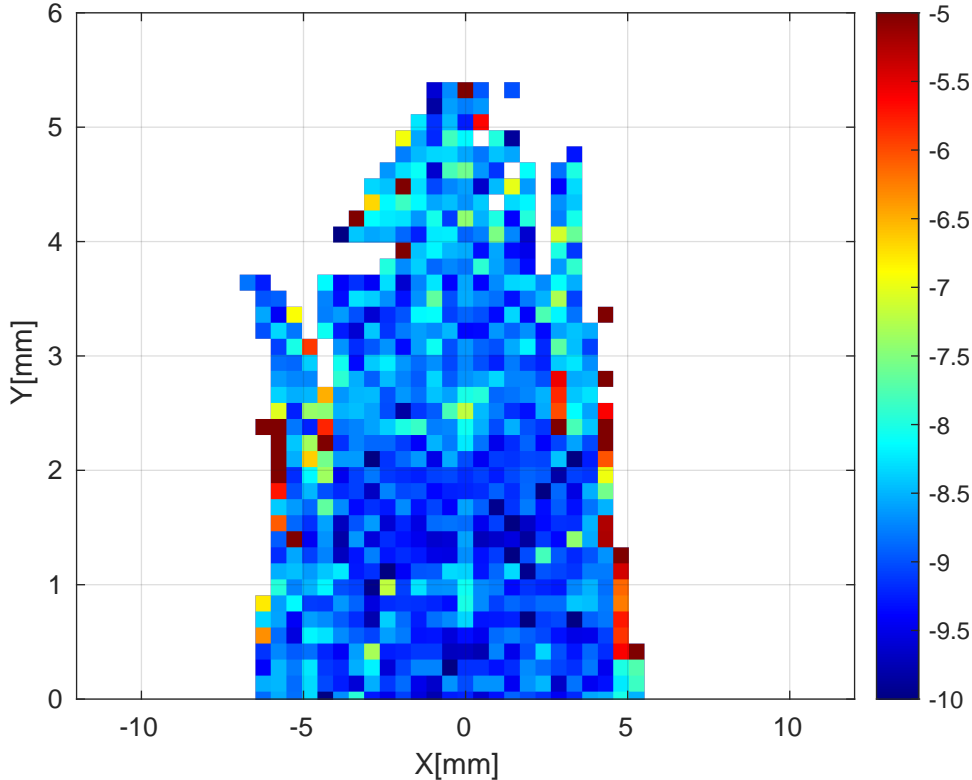
U-240316-b03-01-03-01 Tune Diffusion Rate:(Y,DP),Res order=3



**m4U-240316-b03-01-03-01 LMA without errors**



m4U-240316-b03-01-03-01: no errors Tune Diffusion Rate



m4U-240316-b03-01: with errors Tune Diffusion Rate

