

\*\*\*\*\* Summary for 'm4U-240521-b03-03-07-06' \*\*\*\*\*

04-Aug-2024 14:29:51

Energy: ### 3.0 GeV

Circumference: ## 528.0 m

Full tunes H/V: ## 55.44 / 16.19

Momentum Compaction Factor: # 9.33e-05

Chromaticity H: ##+1.00

Chromaticity V: ##+1.00

Radiation Loss: ## 414.2 keV

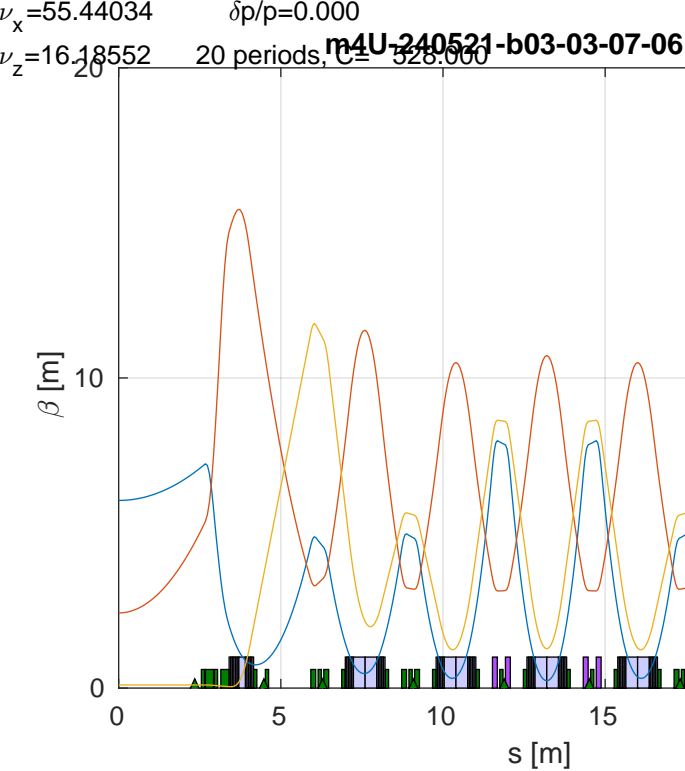
Natural Energy Spread: # 0.08 %

Natural Emittance: ## 95.0 pmrad

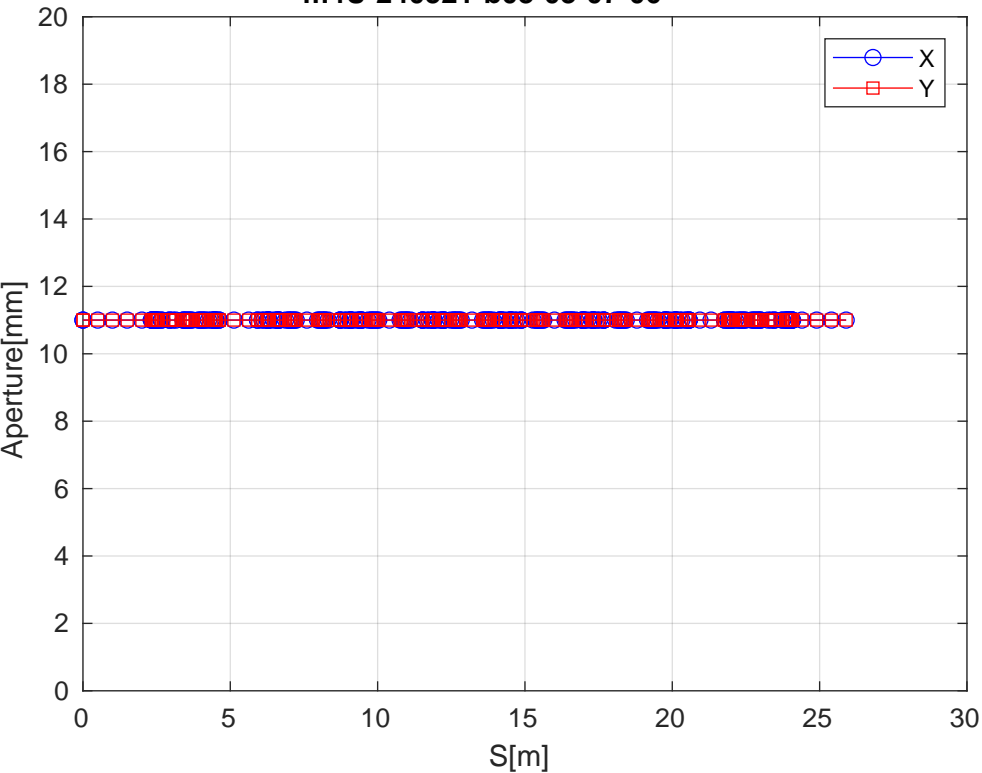
RF Voltage: # 1.8 MV

Achromat natural chromaticities: H/V## -4.56 / -3.03

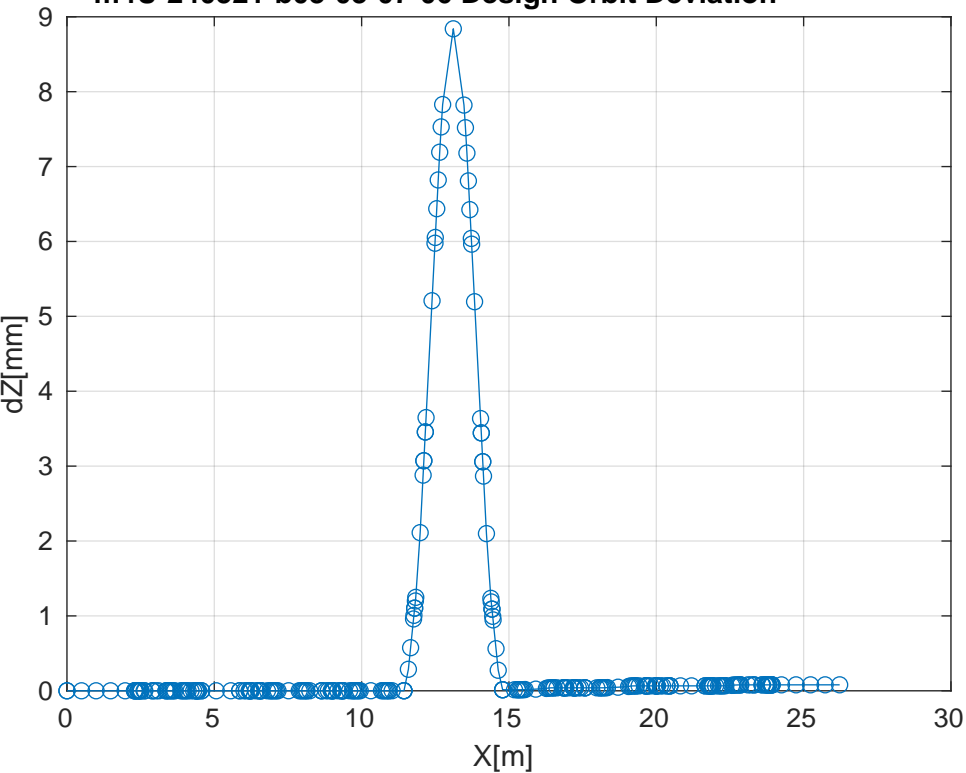
Achromat tunes H/V: ## 2.77 / 0.81



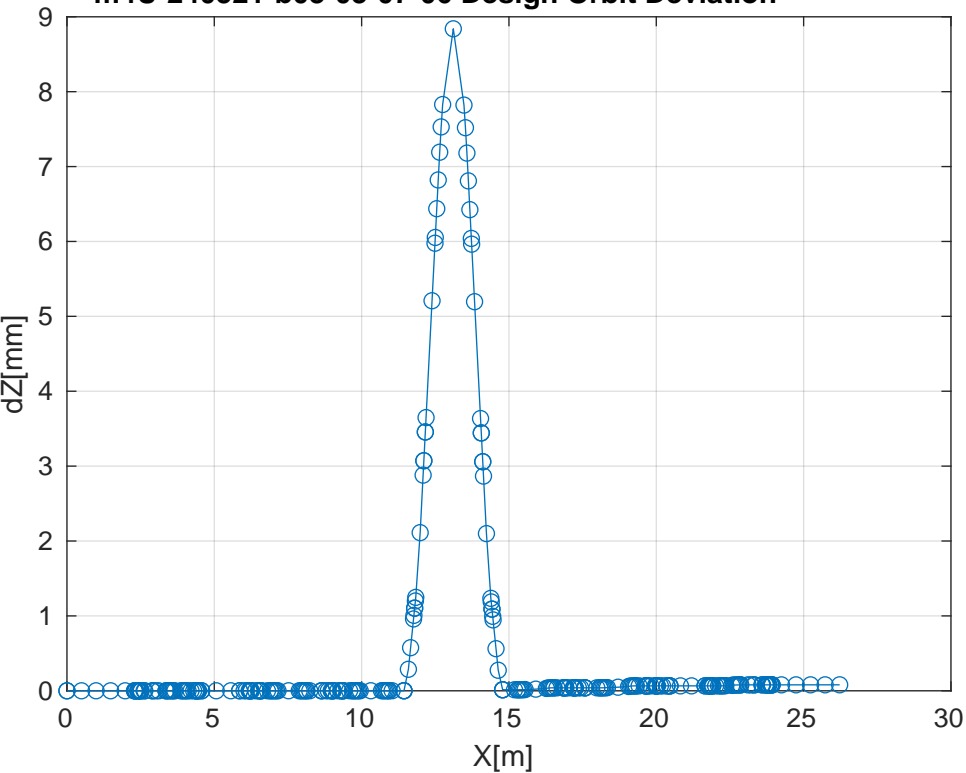
m4U-240521-b03-03-07-06

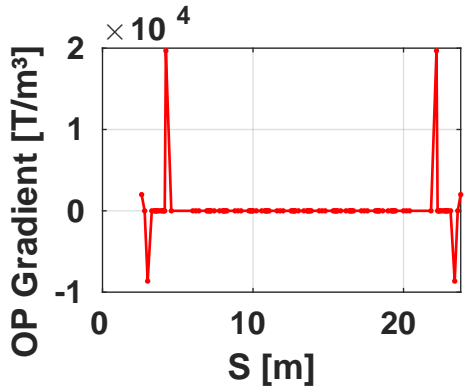
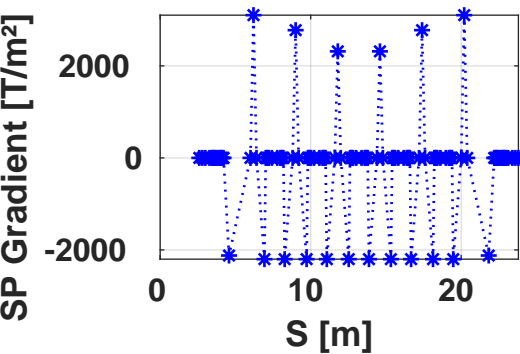
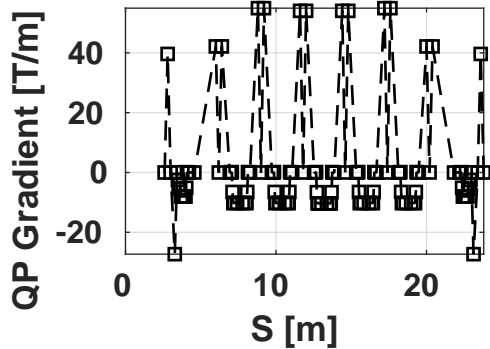
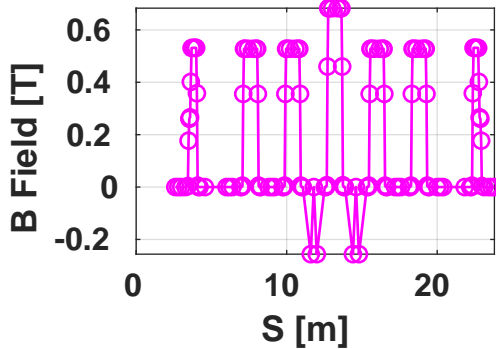


m4U-240521-b03-03-07-06 Design Orbit Deviation

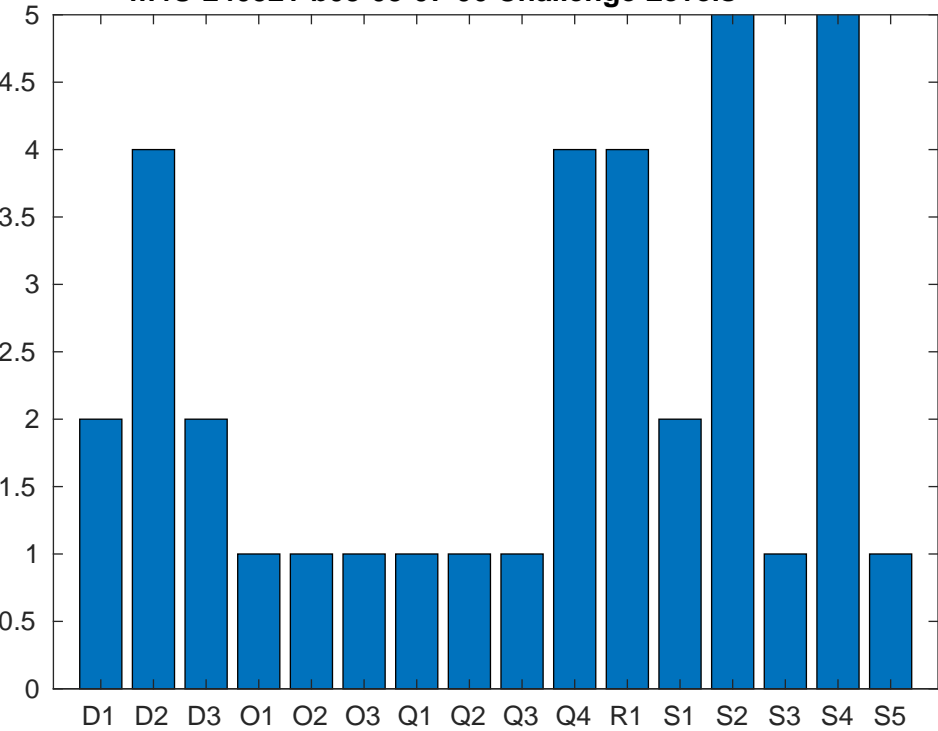


m4U-240521-b03-03-07-06 Design Orbit Deviation

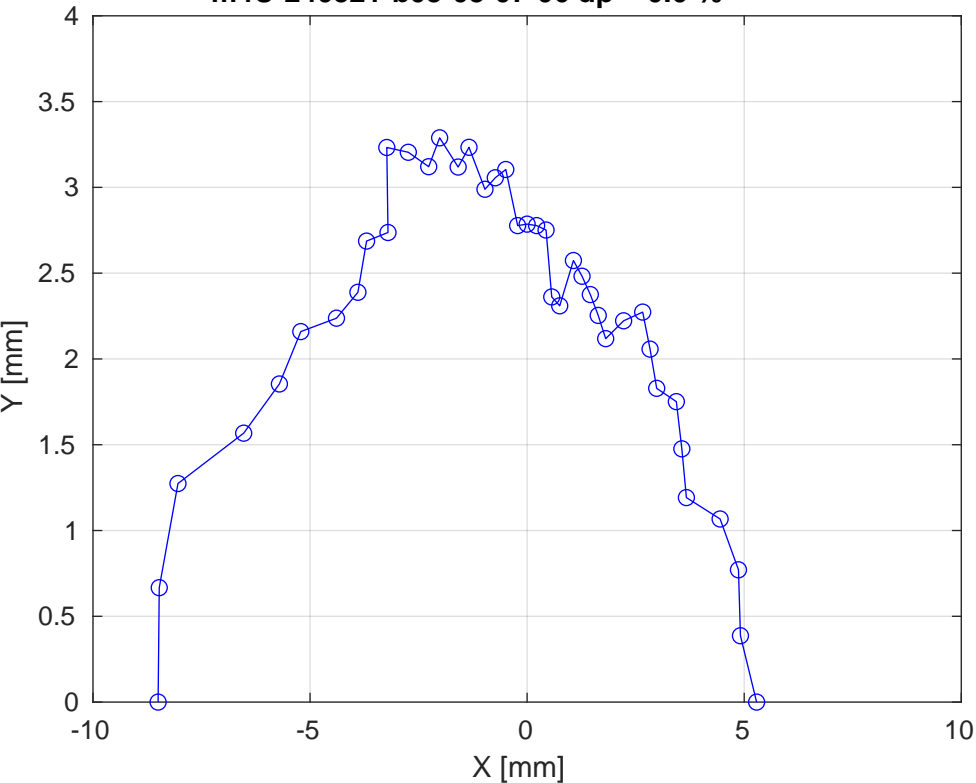




m4U-240521-b03-03-07-06 Challenge Levels

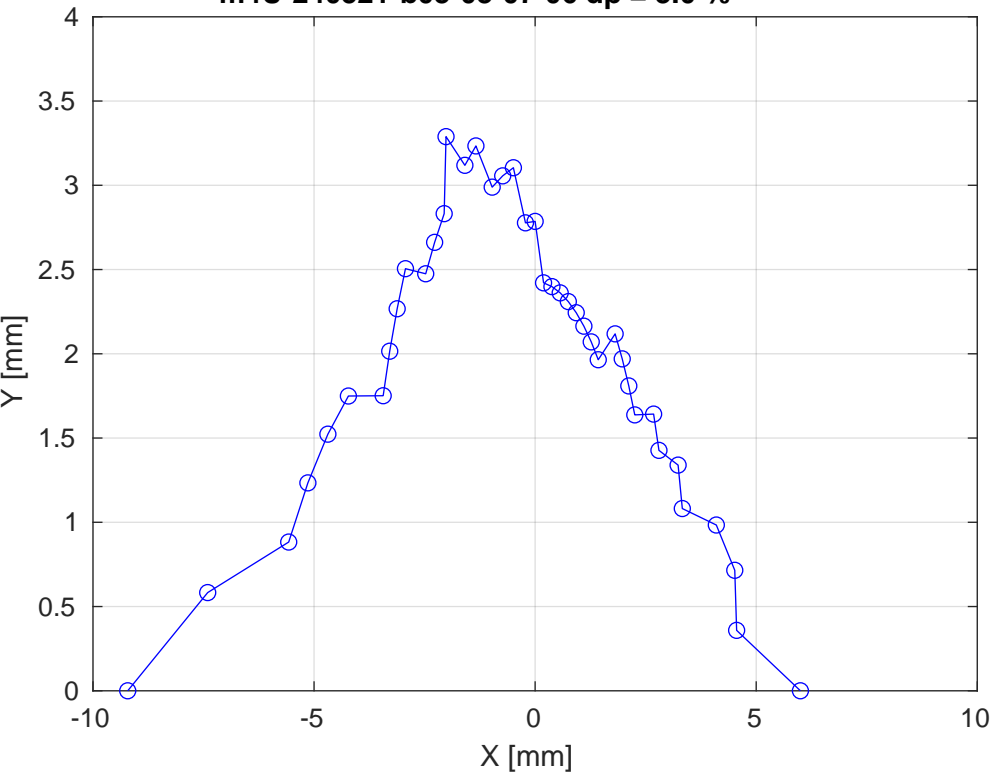


m4U-240521-b03-03-07-06 dp = 0.0 %

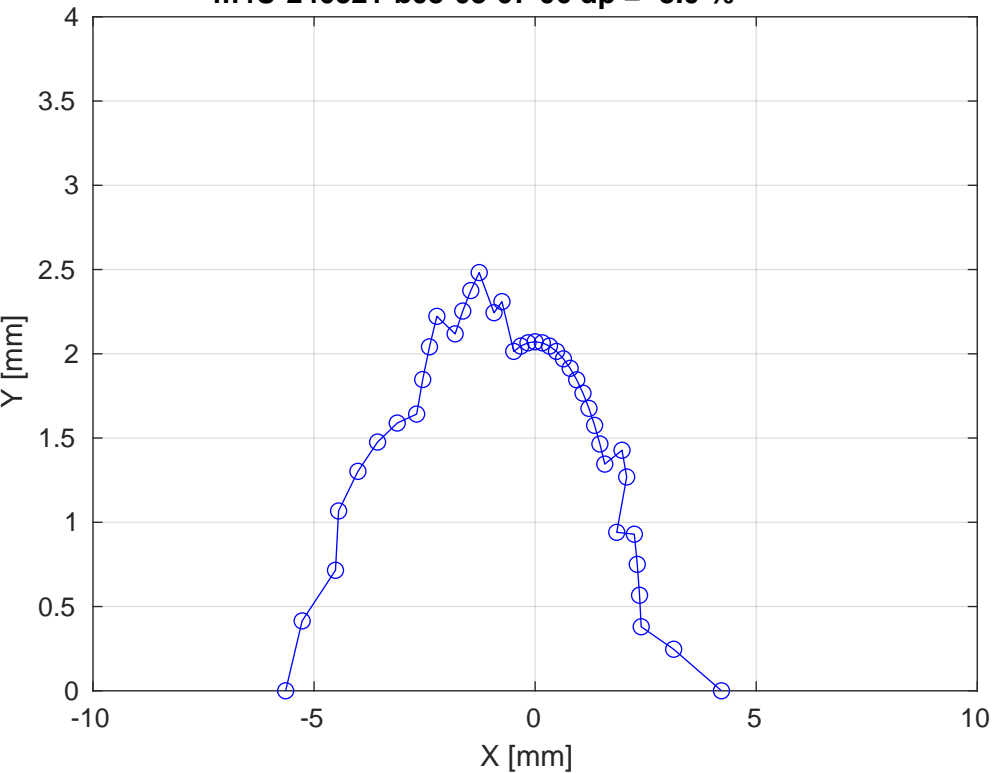




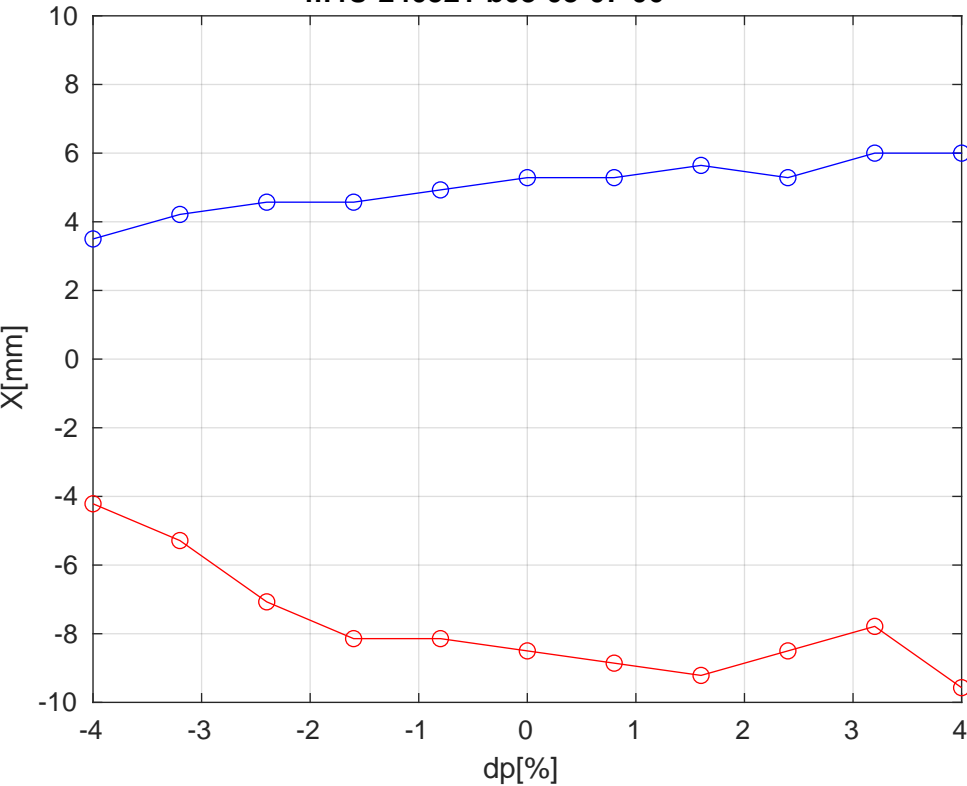
m4U-240521-b03-07-06 dp = 3.0 %



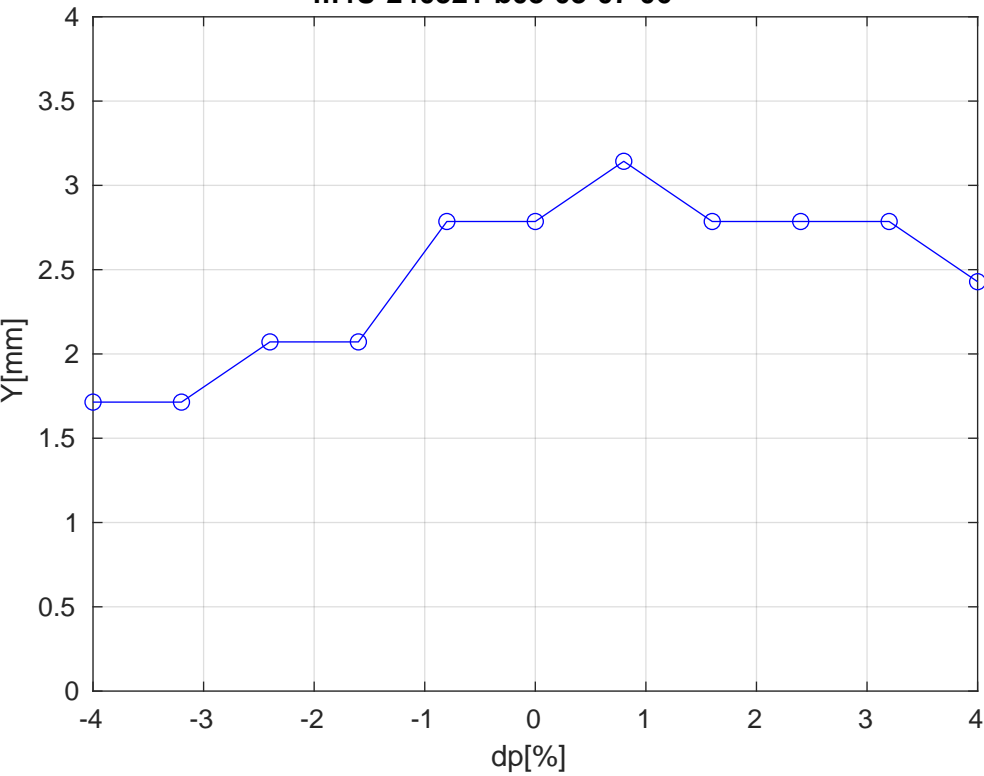
m4U-240521-b03-03-07-06 dp = -3.0 %



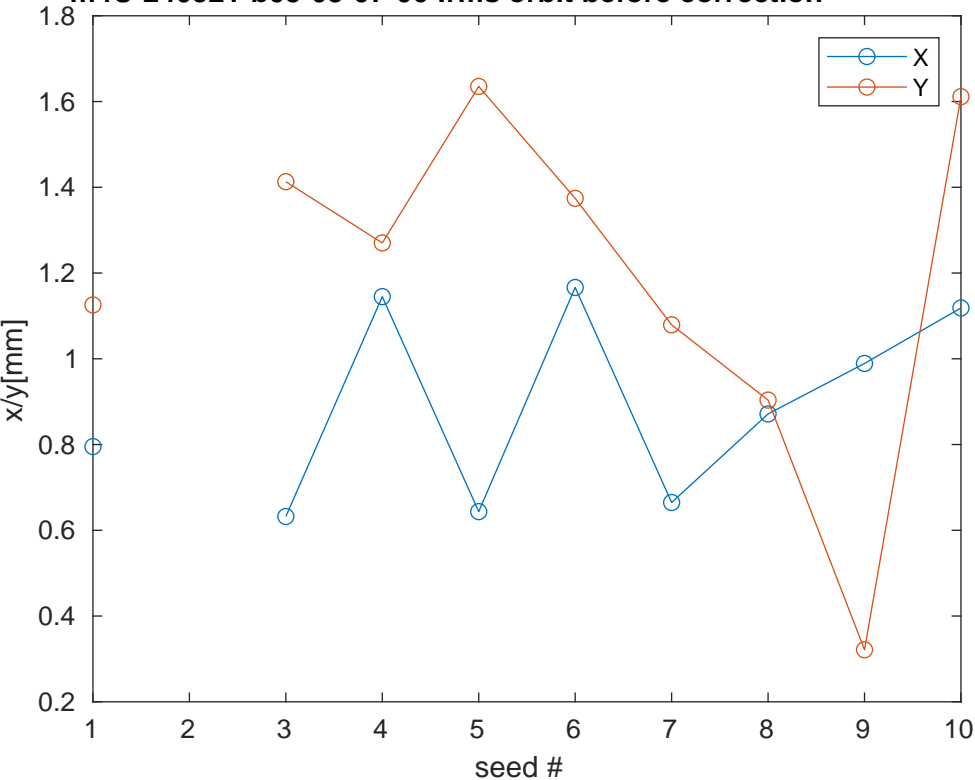
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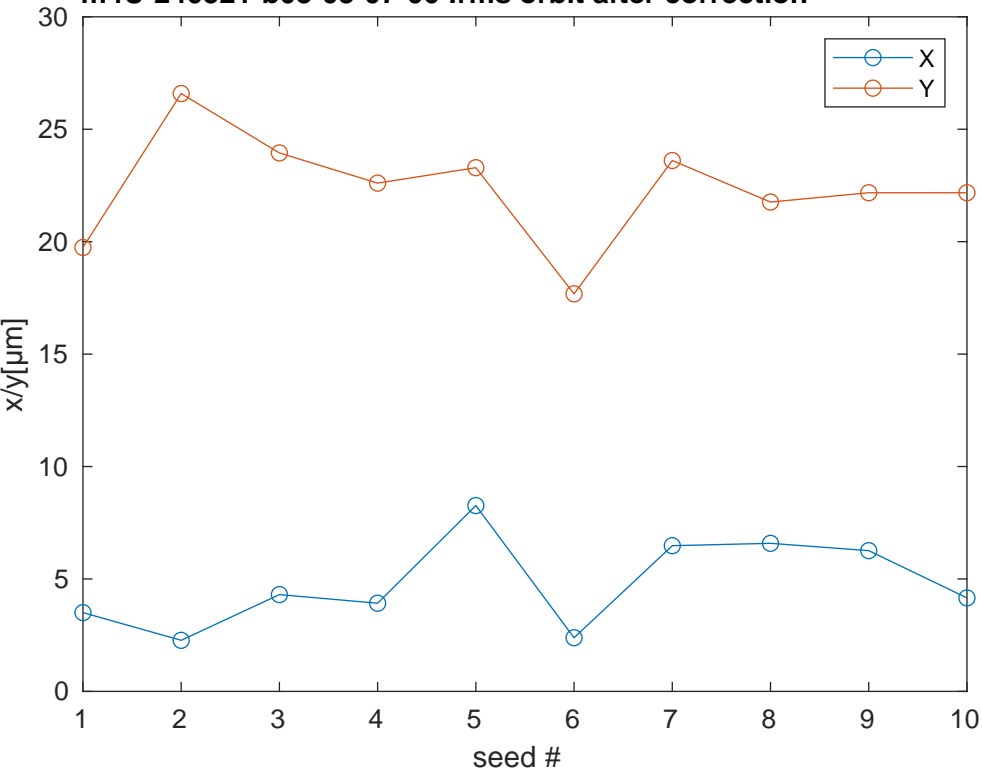
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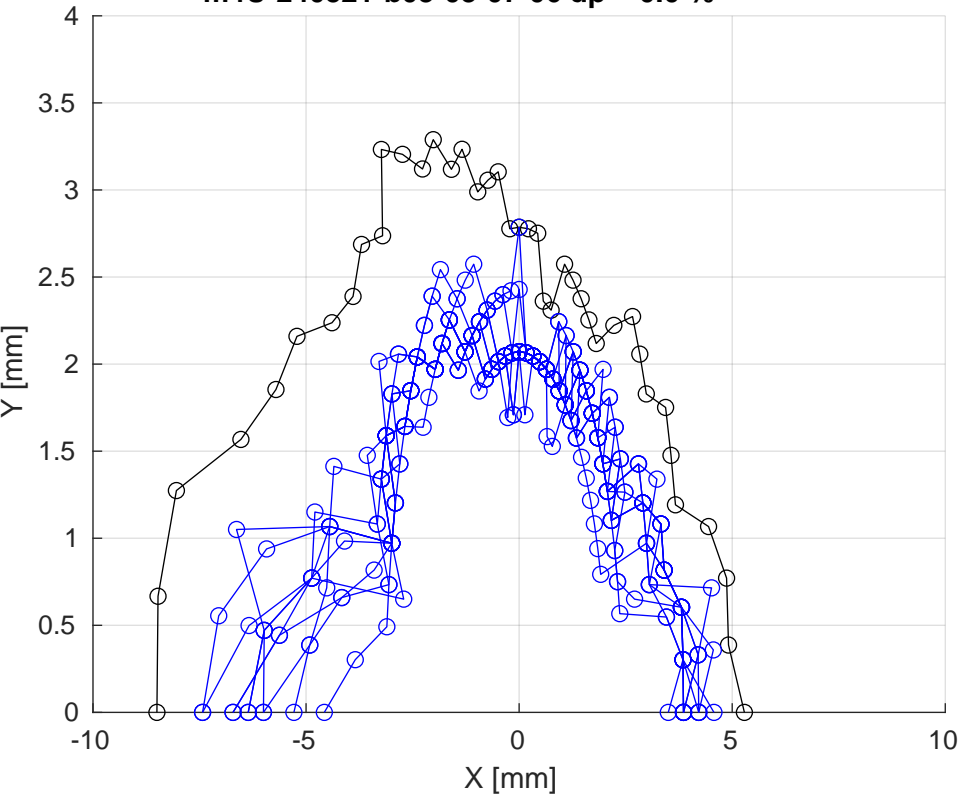
m4U-240521-b03-03-07-06 :rms orbit before correction



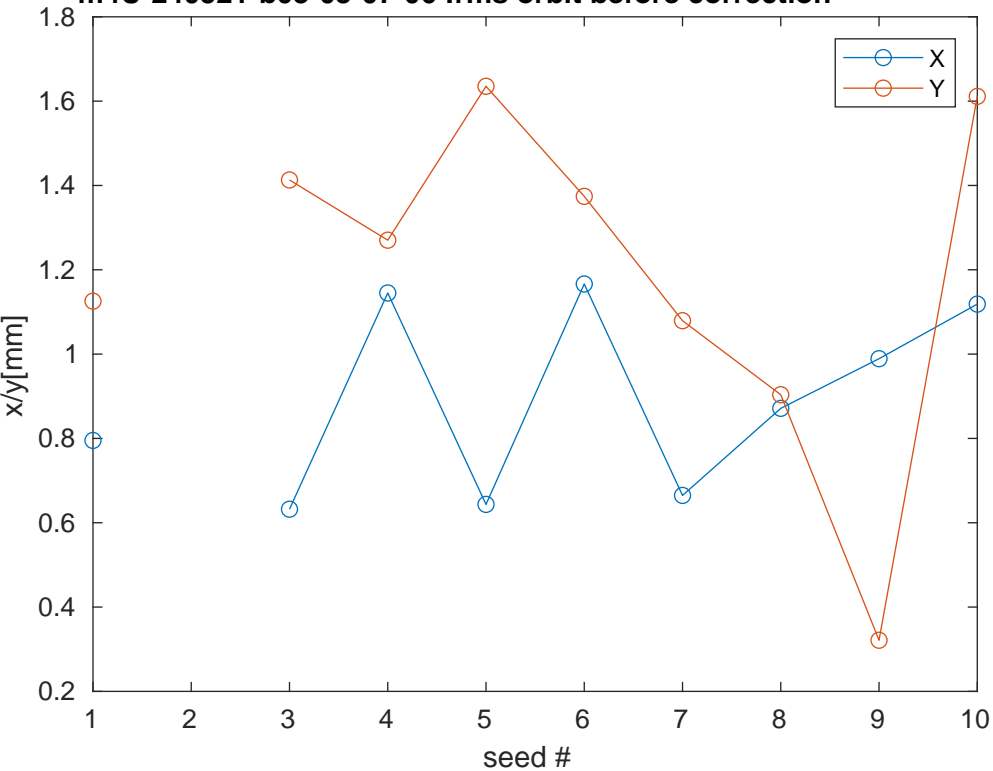
m4U-240521-b03-03-07-06 :rms orbit after correction



m4U-240521-b03-03-07-06 dp = 0.0 %

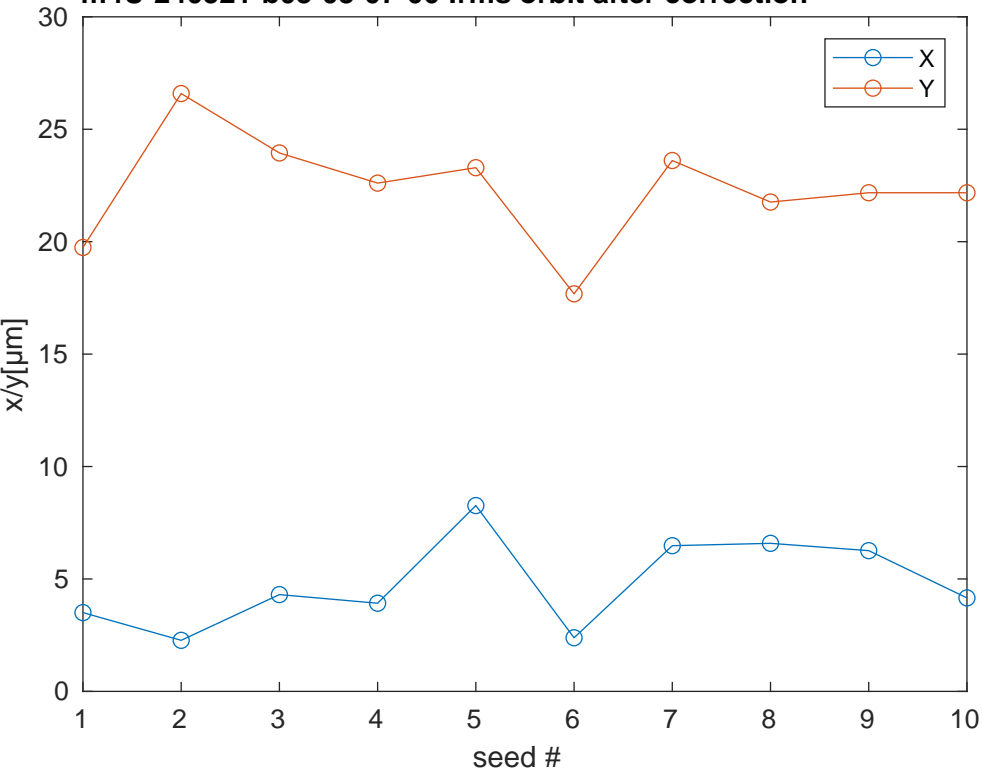


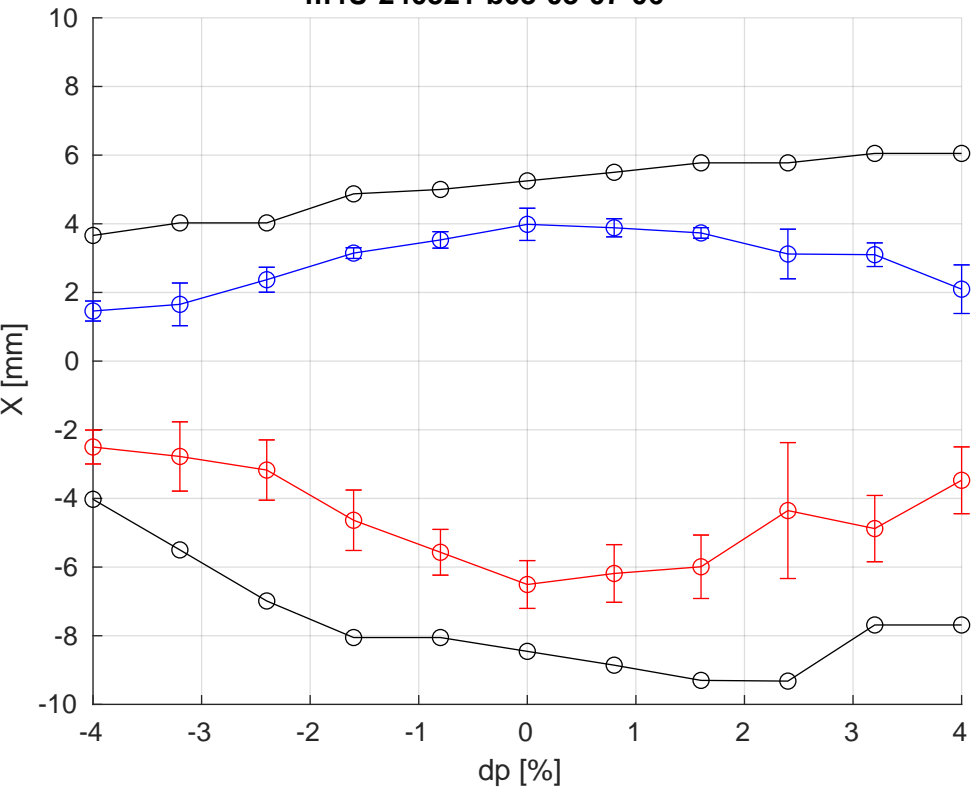
m4U-240521-b03-03-07-06 :rms orbit before correction



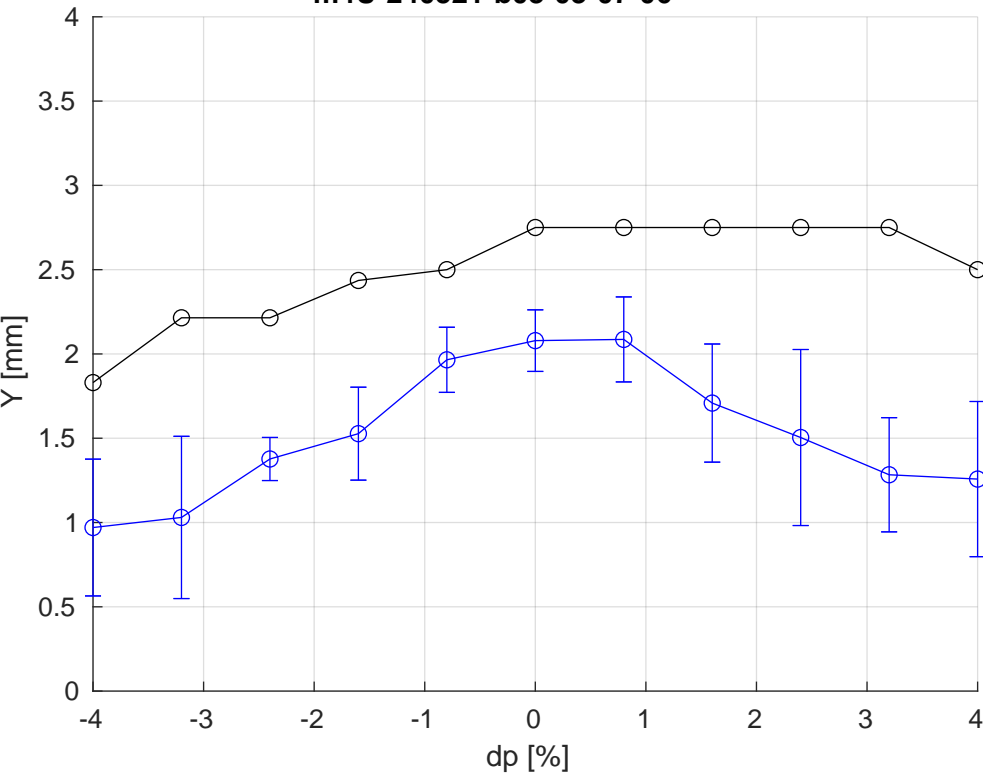


m4U-240521-b03-03-07-06 :rms orbit after correction

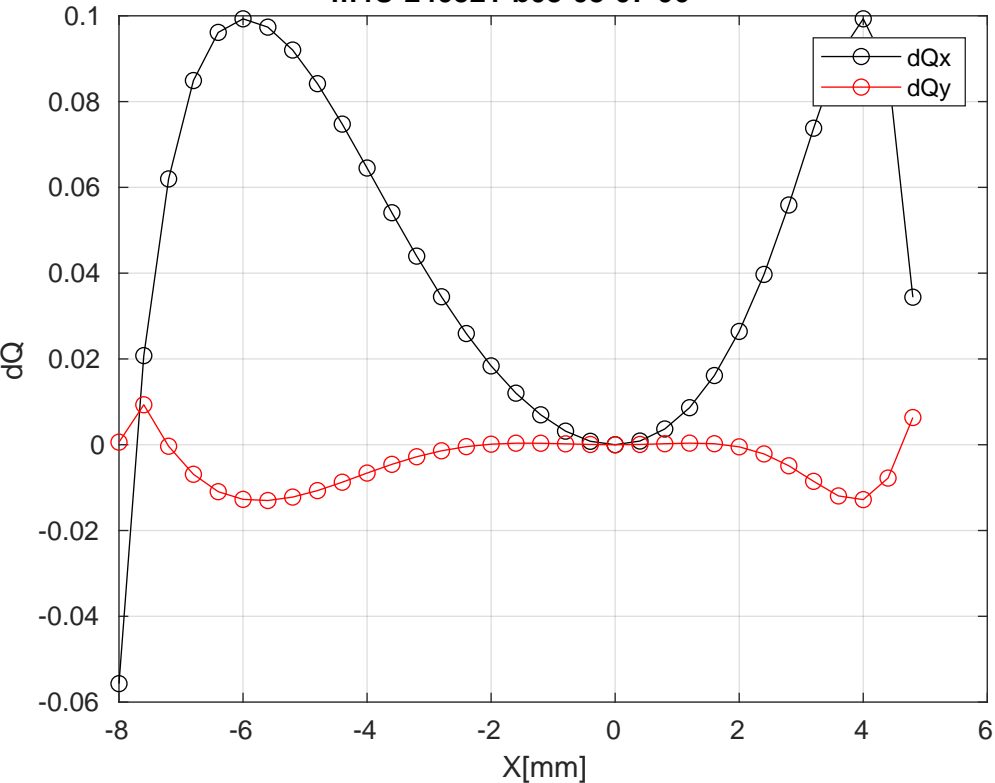




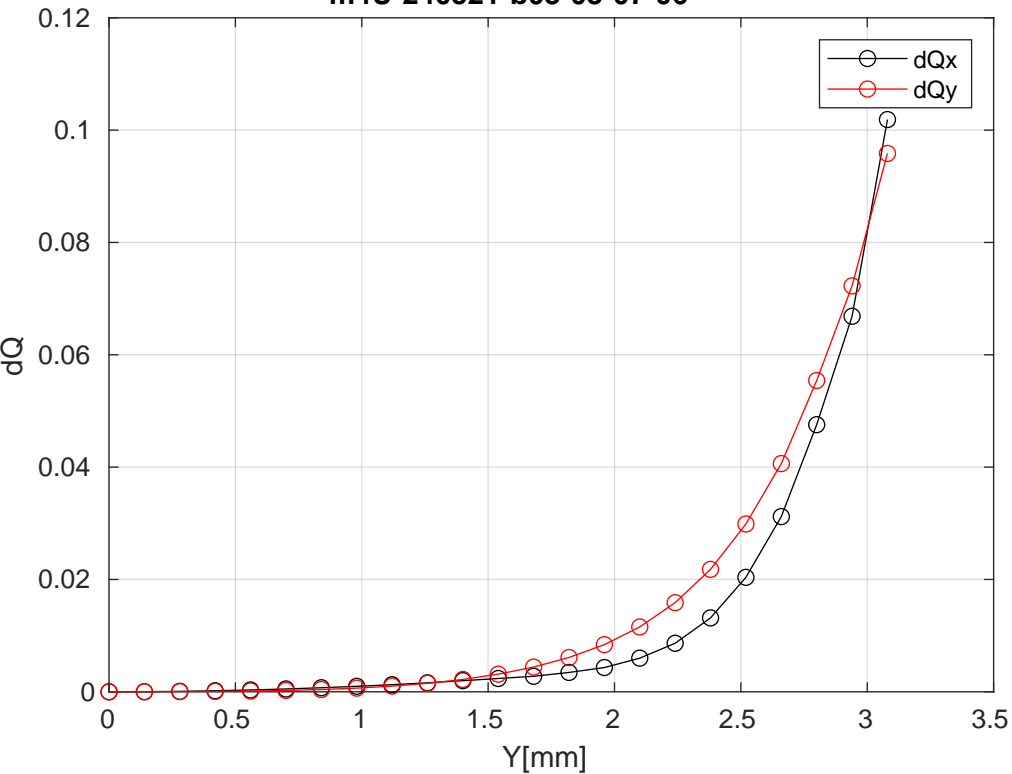
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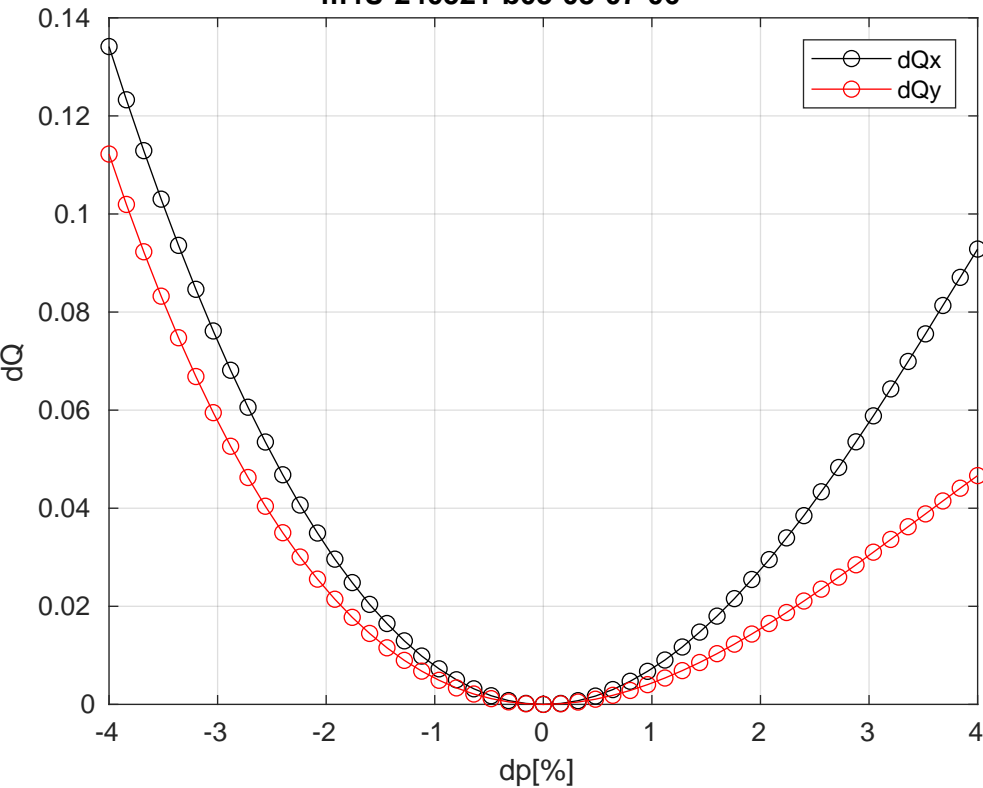


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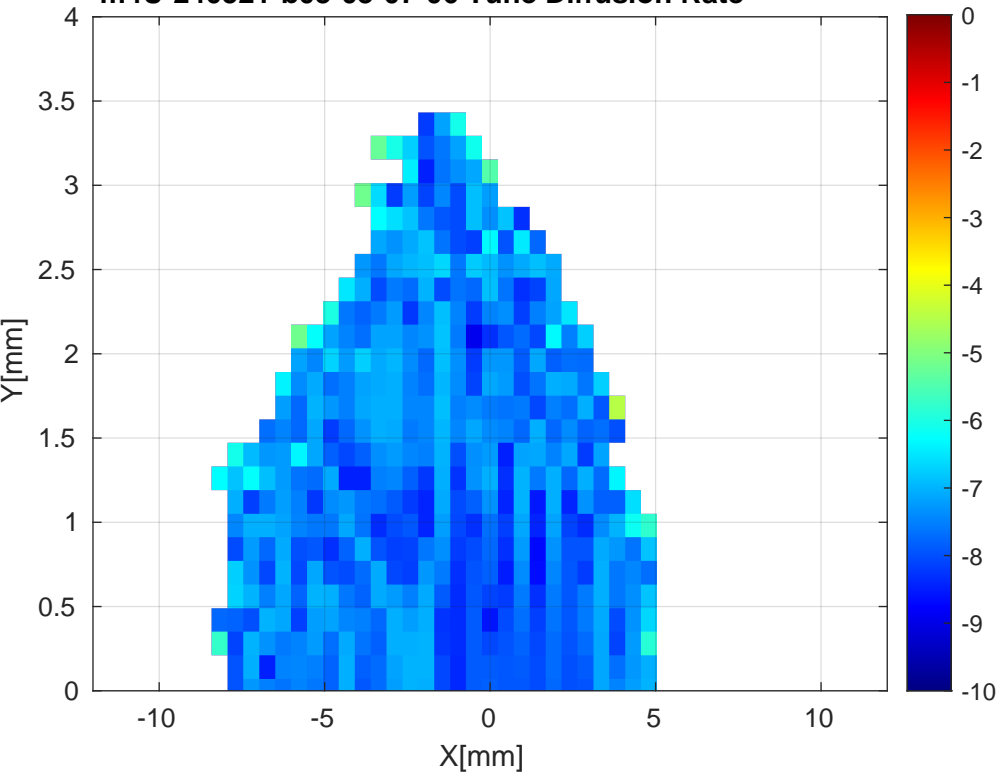


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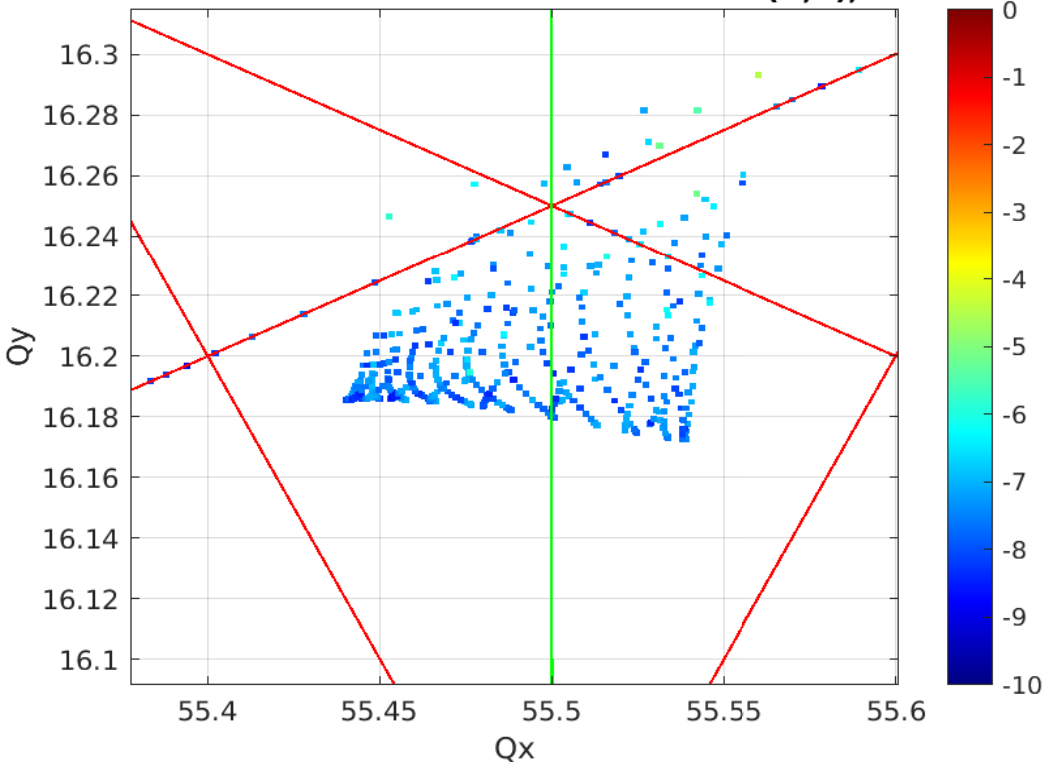




m4U-240521-b03-03-07-06 Tune Diffusion Rate

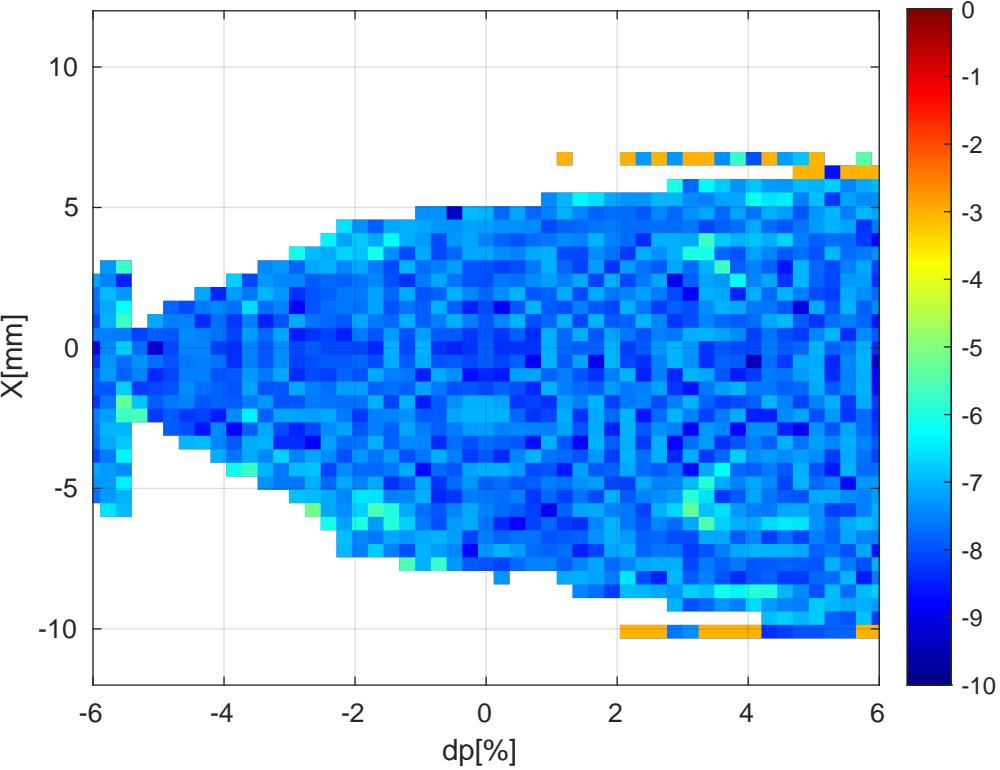


4U-240521-b03-03-07-06 Tune Diffusion Rate:(X,Y),Res order=3

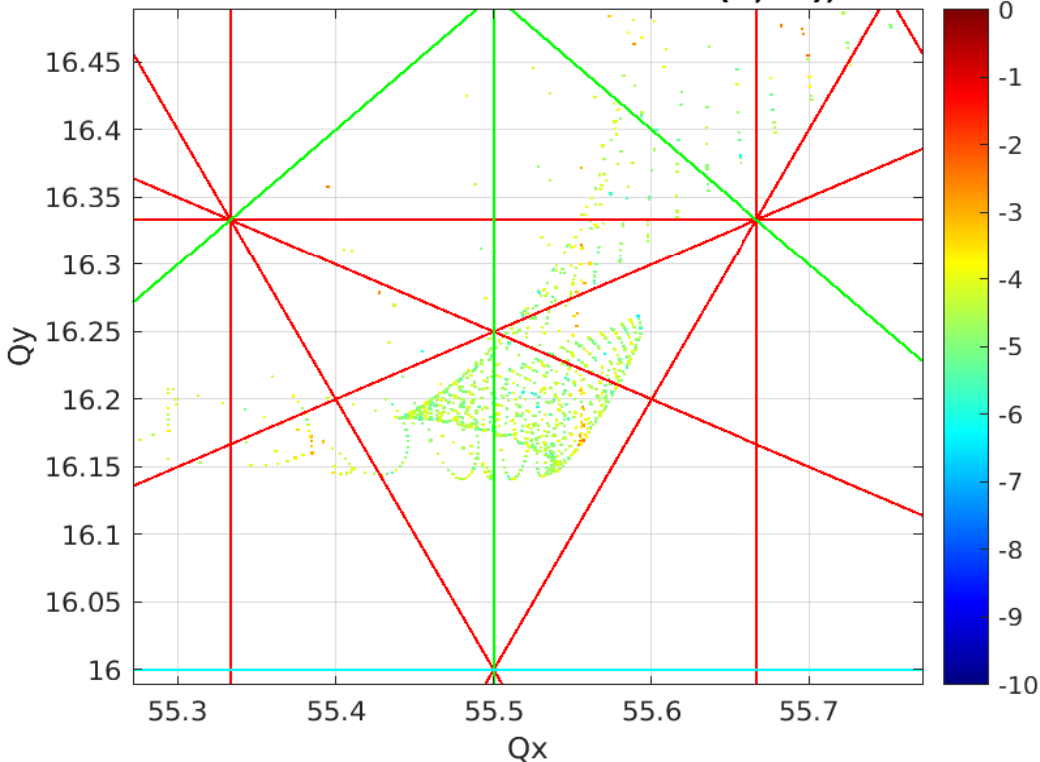




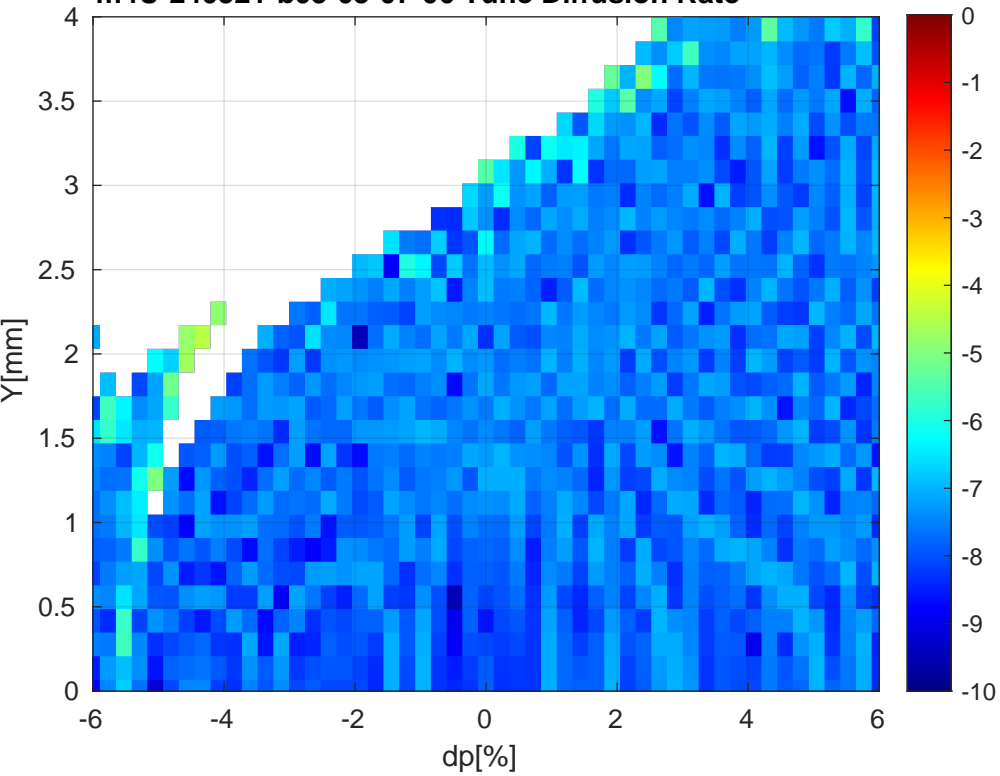
m4U-240521-b03-03-07-06 Tune Diffusion Rate



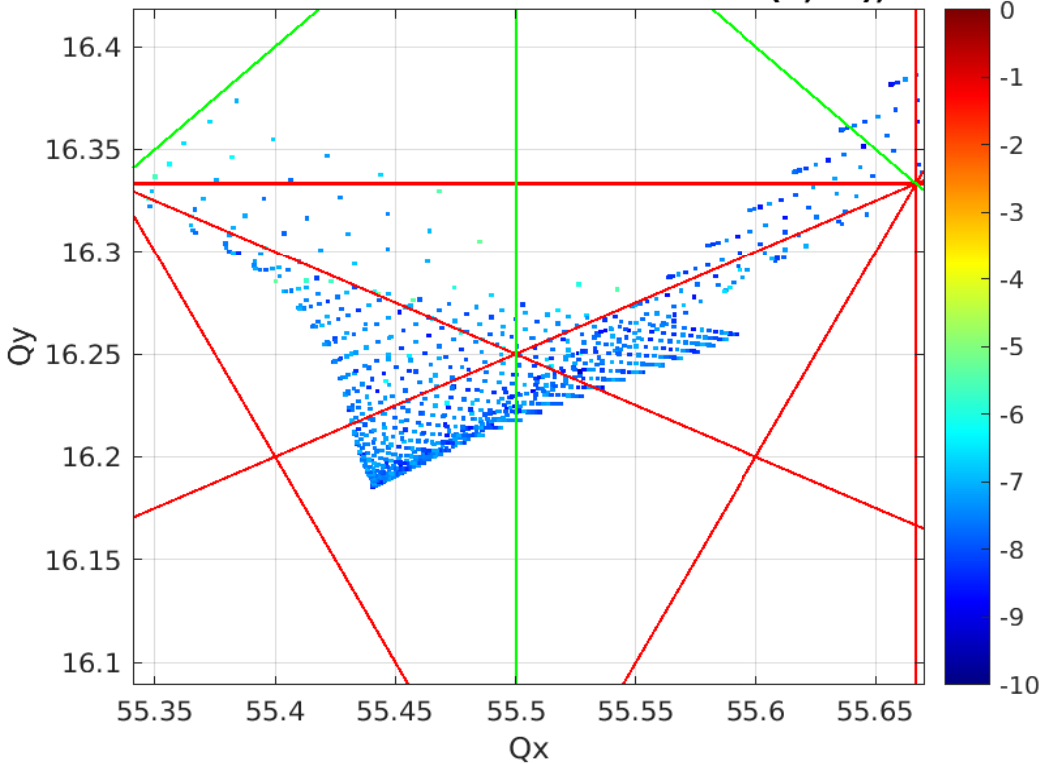
m4U-240521-b03-03-07-06 Tune Diffusion:(X,DP), Res order=3



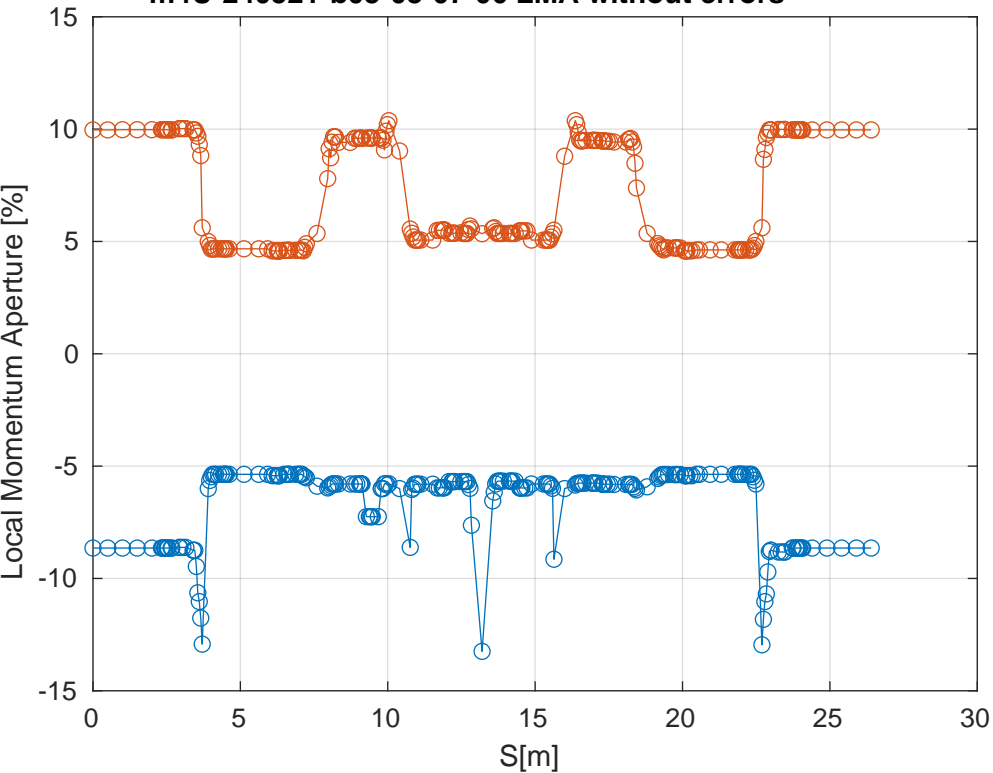
m4U-240521-b03-03-07-06 Tune Diffusion Rate



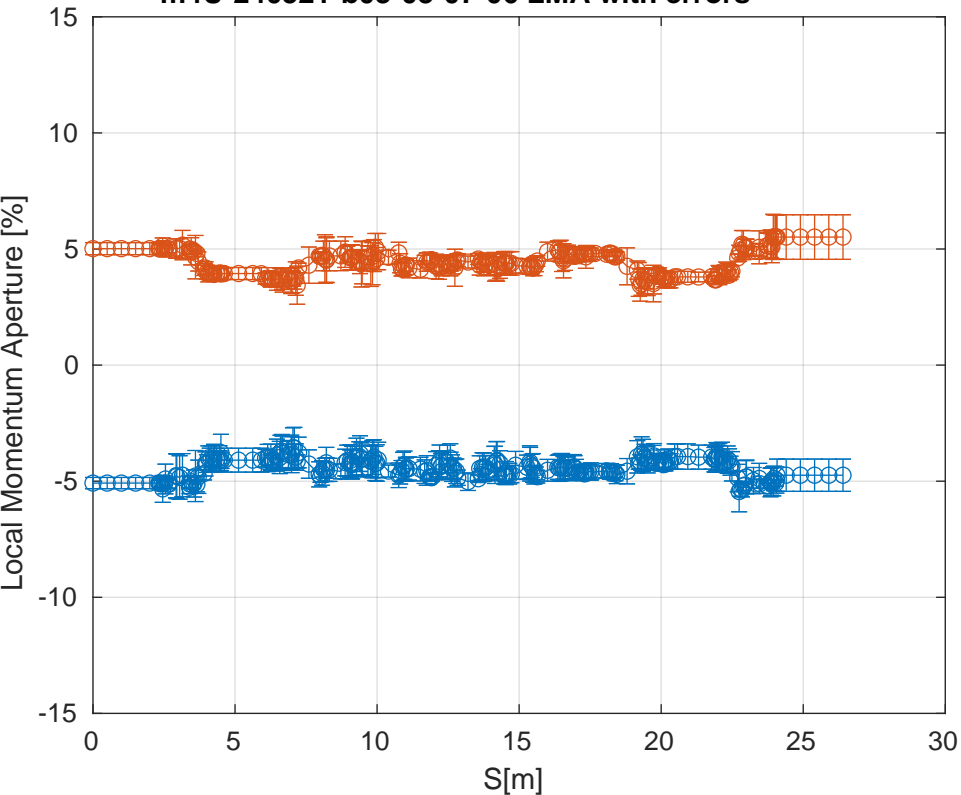
# 4U-240521-b03-03-07-06 Tune Diffusion Rate:(Y,DP),Res order=3



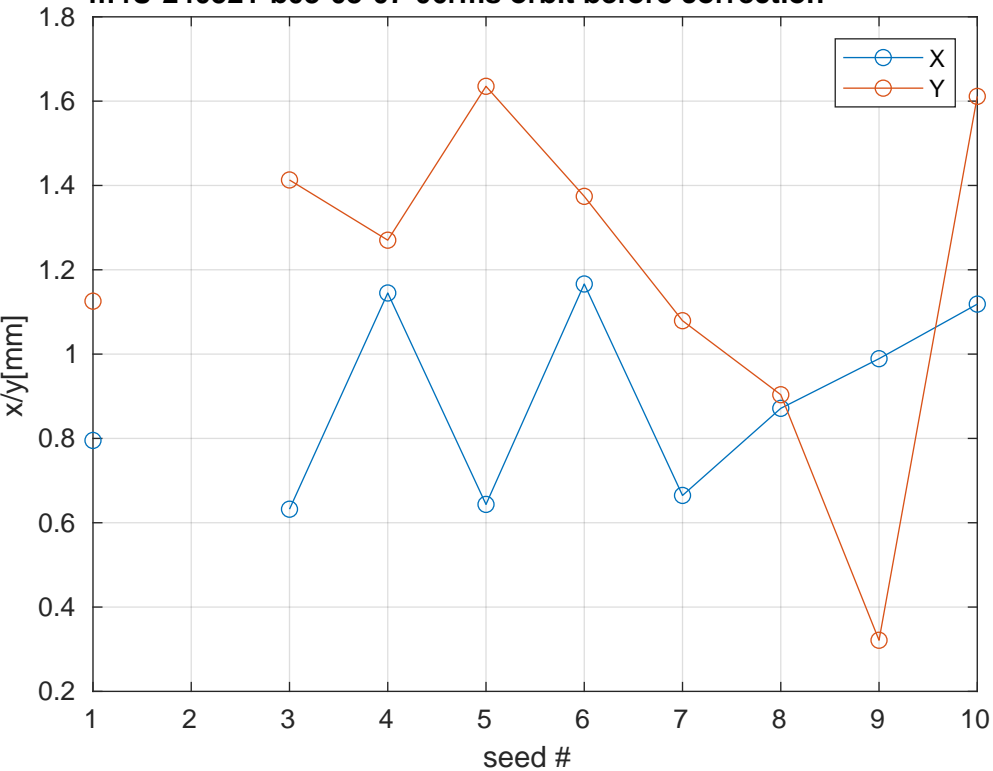
m4U-240521-b03-03-07-06 LMA without errors



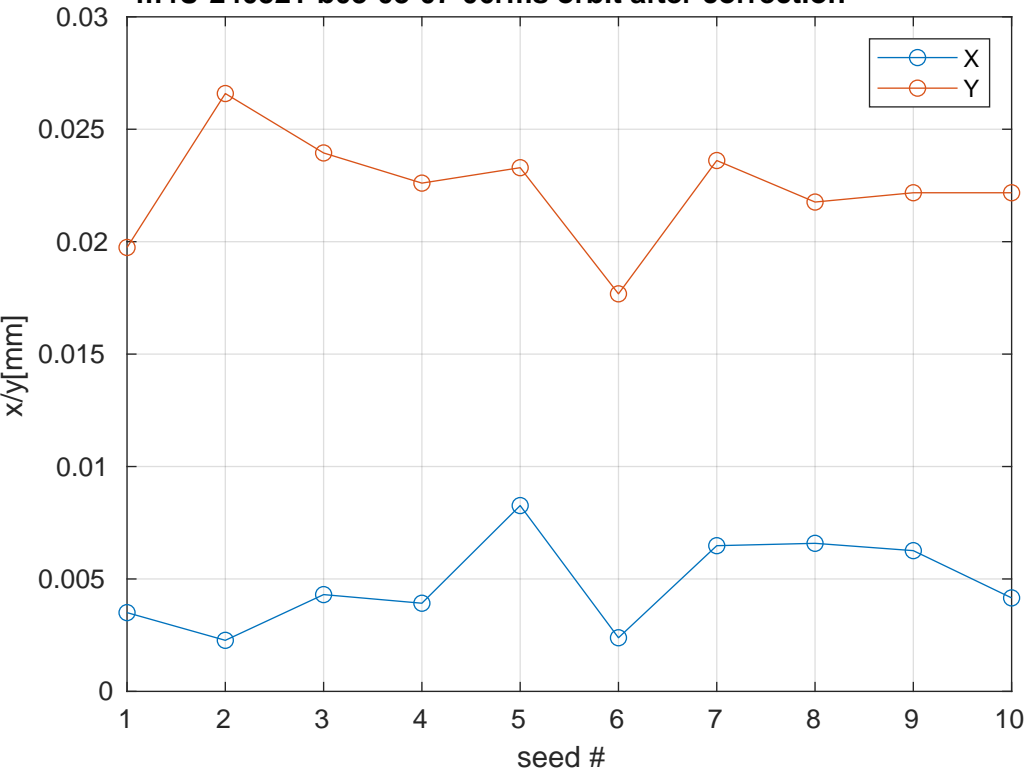
m4U-240521-b03-03-07-06 LMA with errors



m4U-240521-b03-03-07-06rms orbit before correction

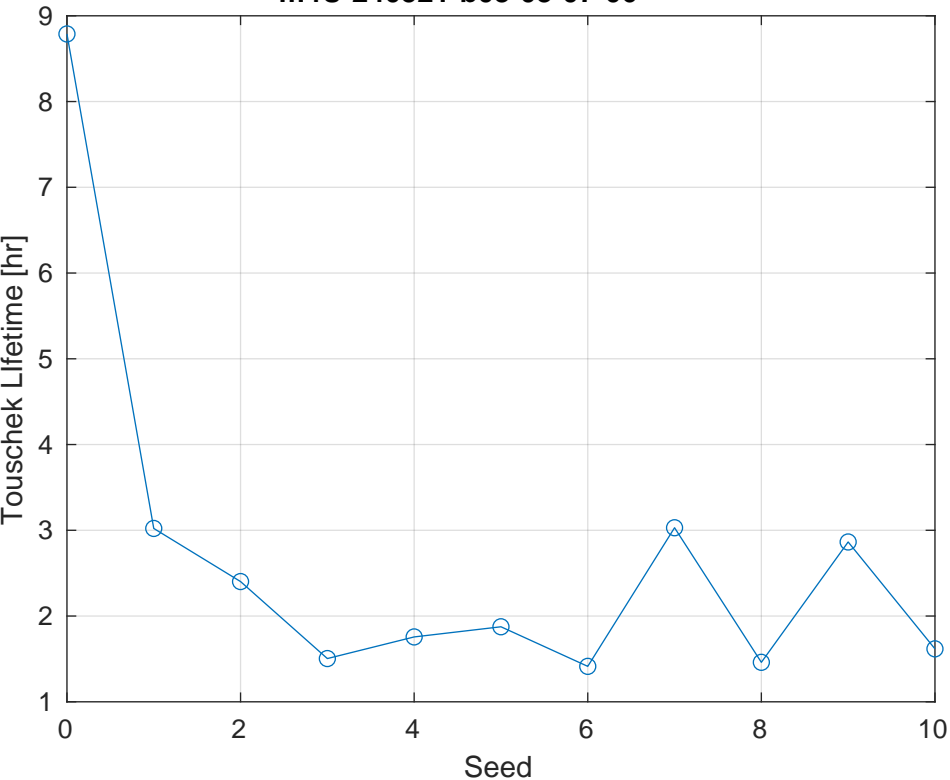


m4U-240521-b03-03-07-06rms orbit after correction

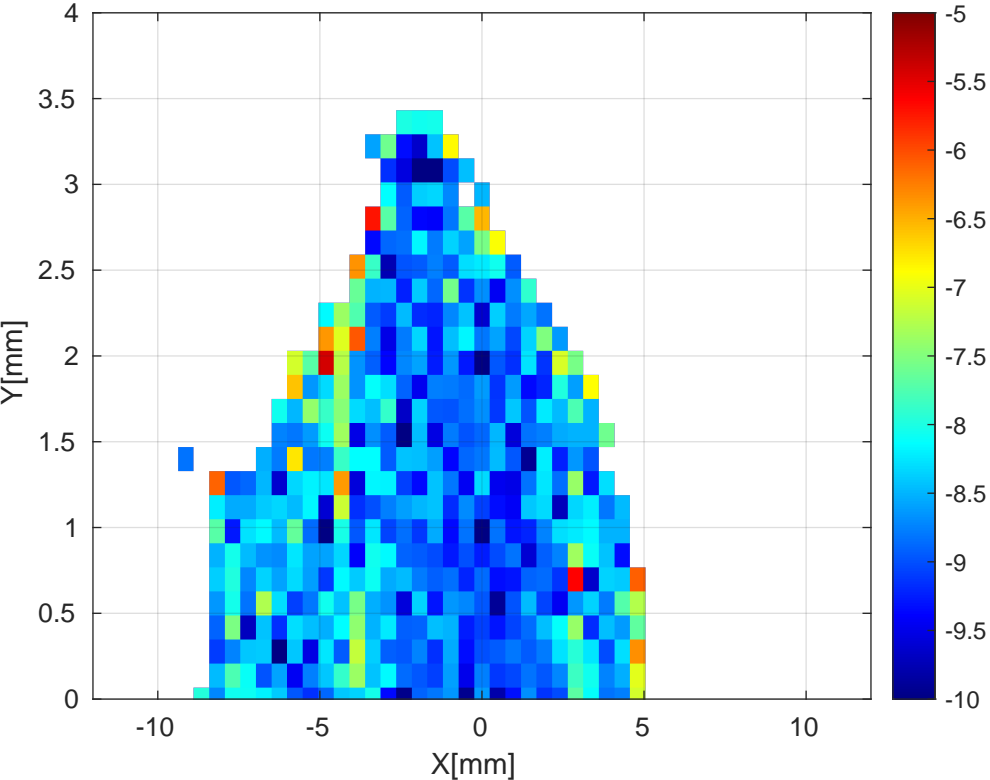




m4U-240521-b03-03-07-06



**m4U-240521-b03-03-07-06: no errors Tune Diffusion Rate**



m4U-240521-b03-03-07-06: with errors Tune Diffusion Rate

