

\*\*\*\*\* Summary for 'm4U-240618-c01-03-00-00' \*\*\*\*\*

Energy: ### 3.00000 [GeV]

Circumference: ## 528.00000 [m]

Full tunes H/V ## 51.23776 21.22087

Momentum Compaction Factor: # 9.39273e-05

Chromaticity H: ##+0.83768

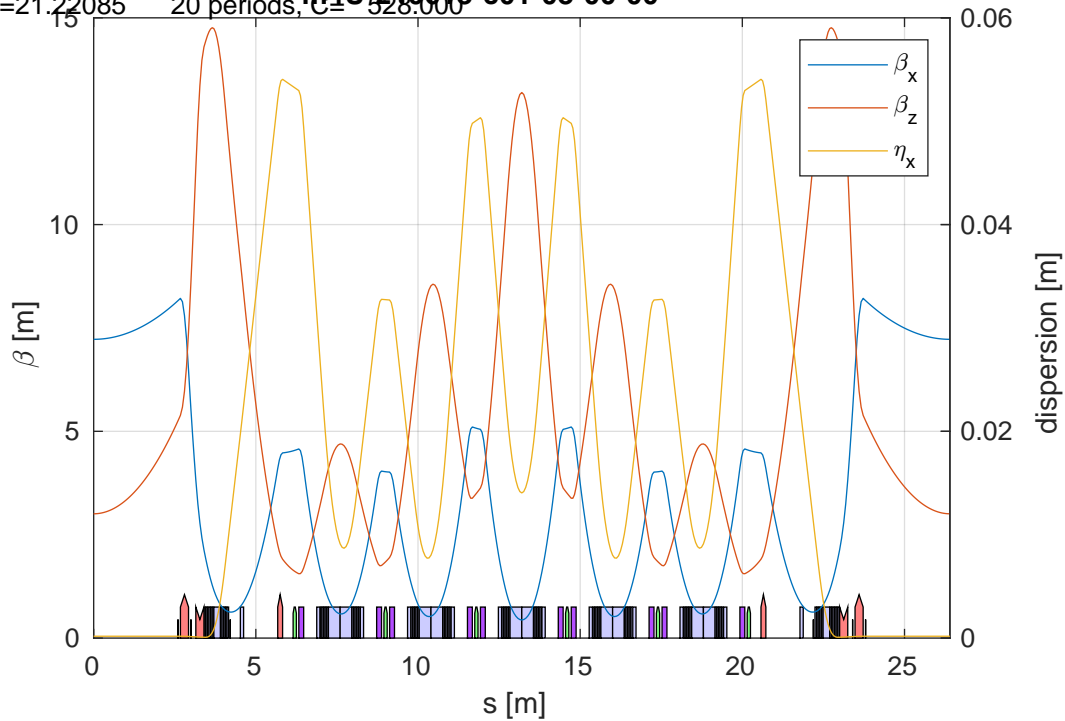
Chromaticity V: ##+0.83626

Radiation Loss: ## 453.98118 [keV]

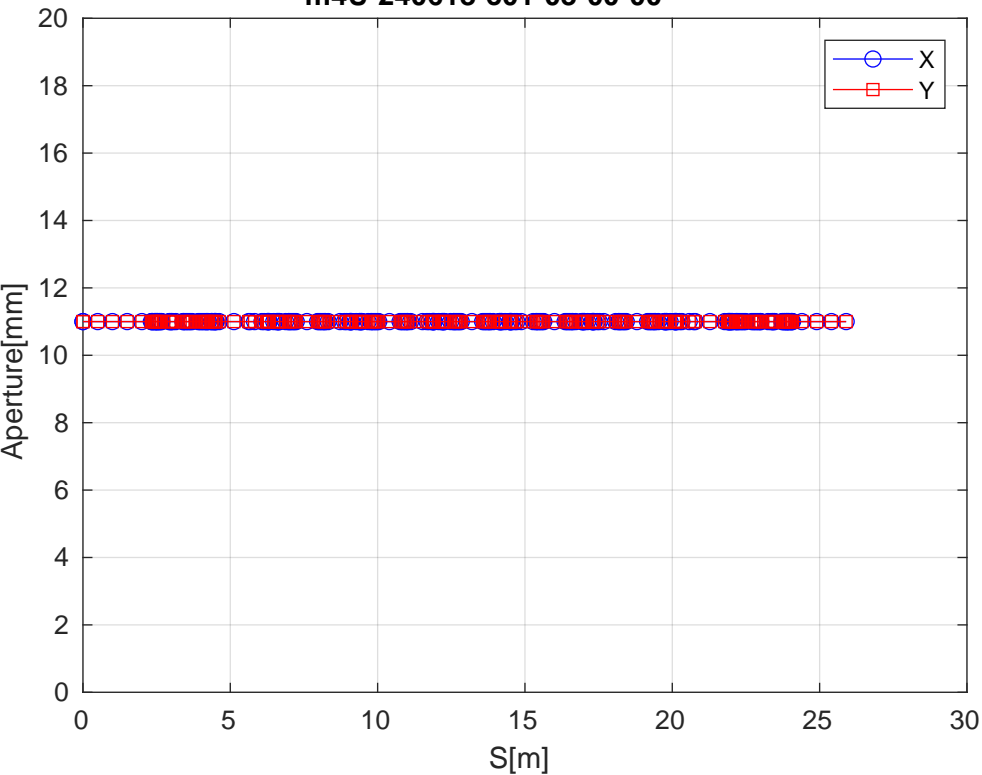
Natural Energy Spread [0.1 %]: # 0.87125

Natural Emittance: ## 106.20939 [pmrad]

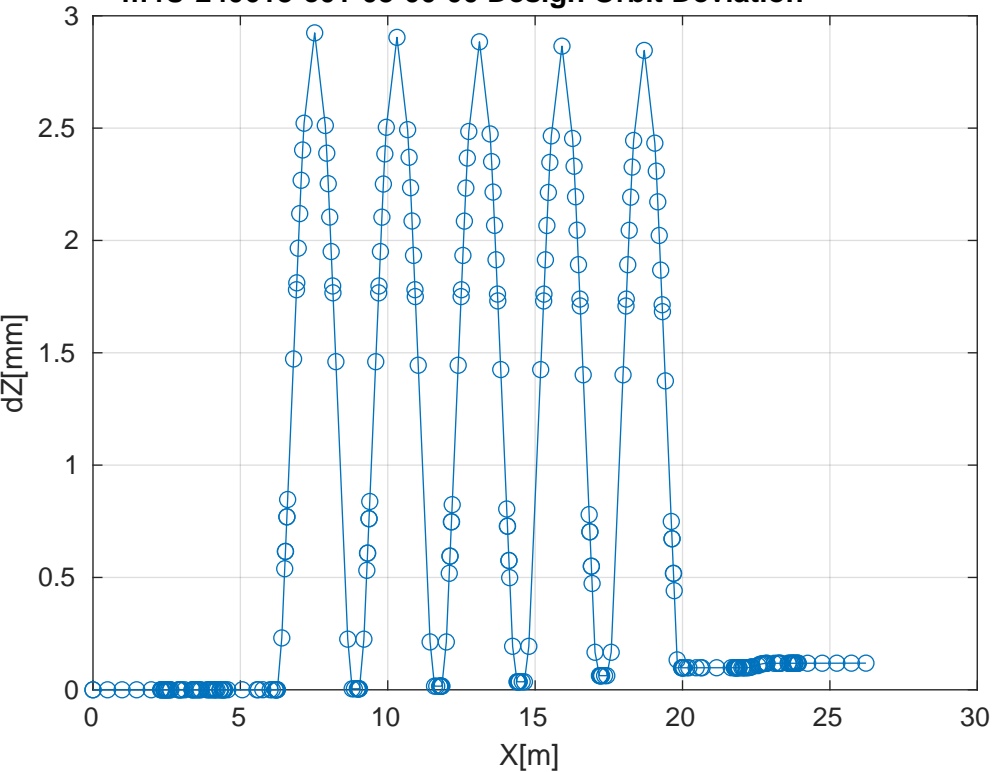
RF Voltage: # 1800.00000 [kV]

$\nu_x = 51.23777$  $\delta p/p = 0.000$  $\nu_z = 21.22085$ 20 periods,  $C = 328.000$ **m4U-240618-c01-03-00-00**

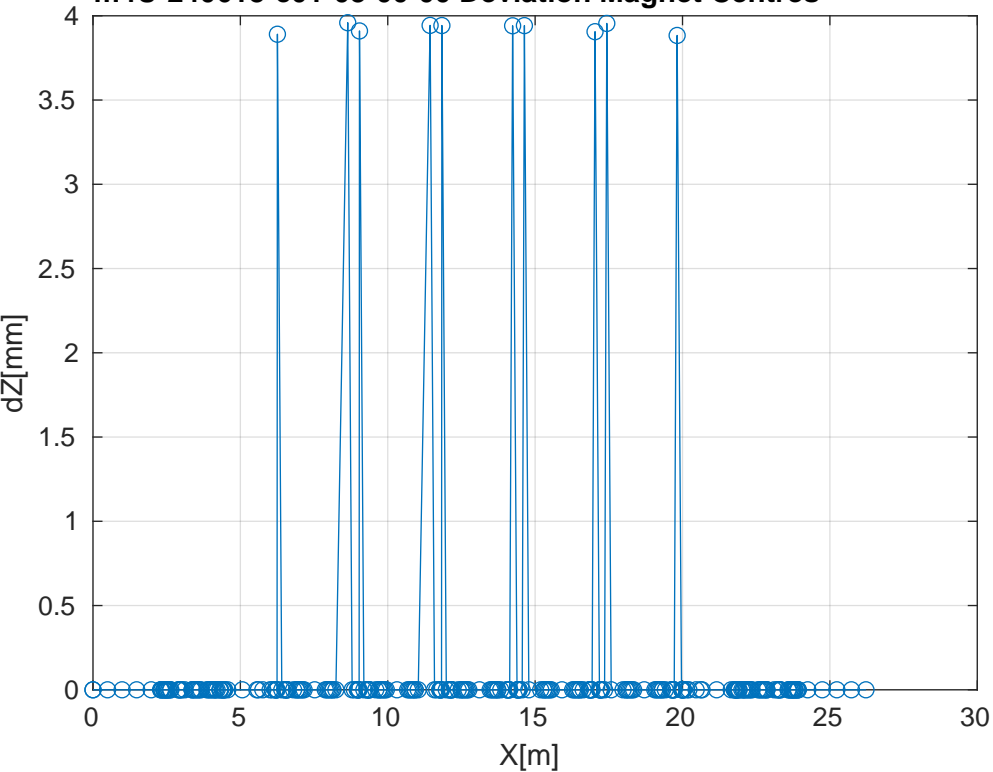
m4U-240618-c01-03-00-00



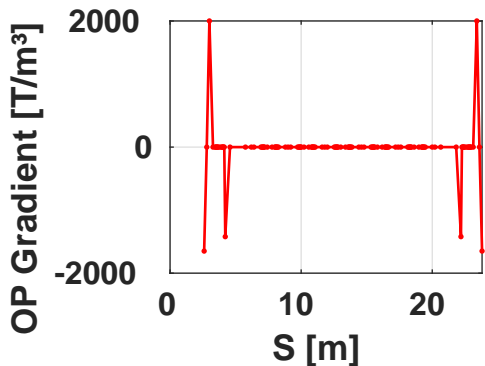
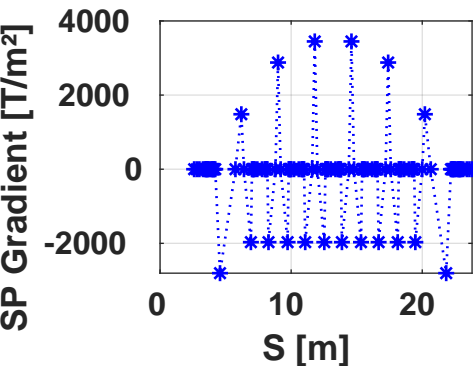
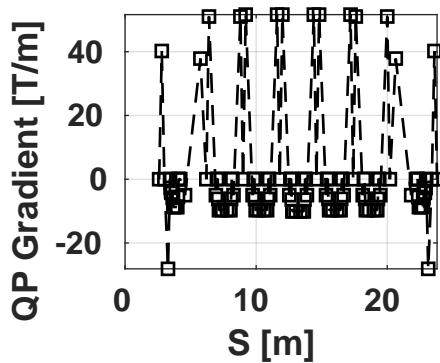
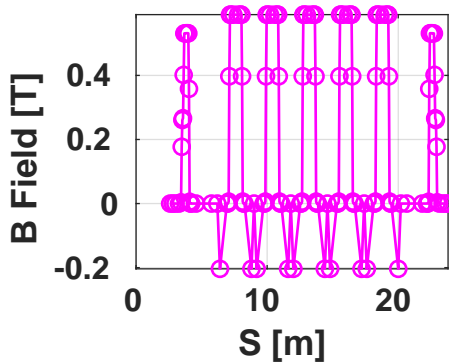
m4U-240618-c01-03-00-00 Design Orbit Deviation



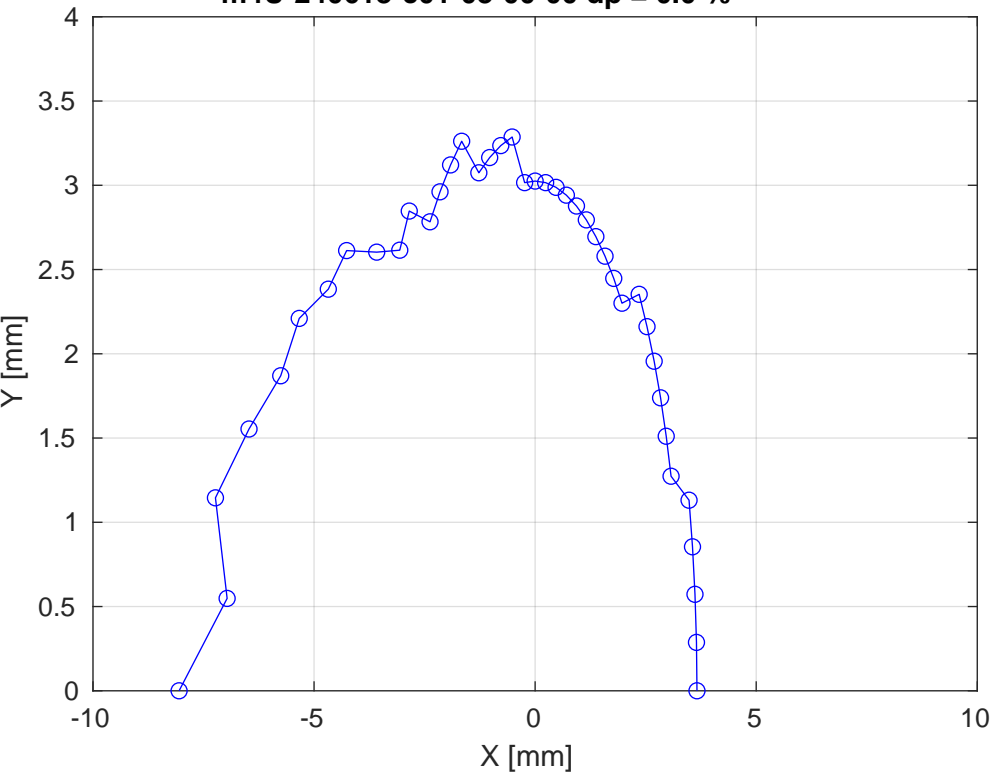
m4U-240618-c01-03-00-00 Deviation Magnet Centres



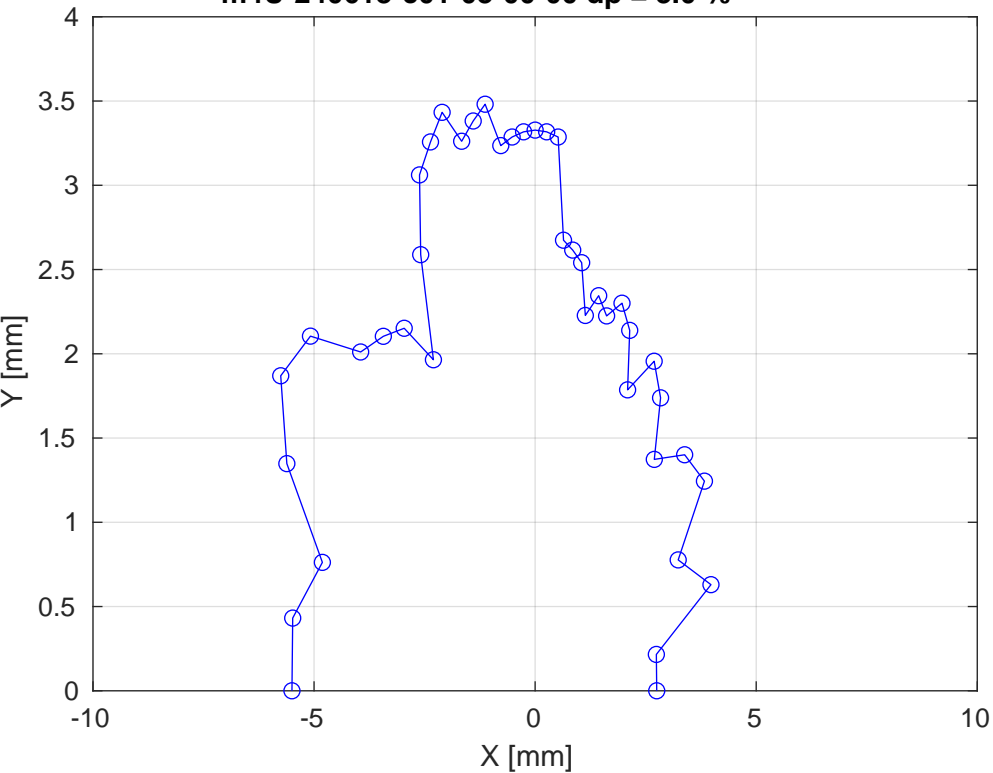
m4U-240618-c01-03-00-00



m4U-240618-c01-03-00-00 dp = 0.0 %

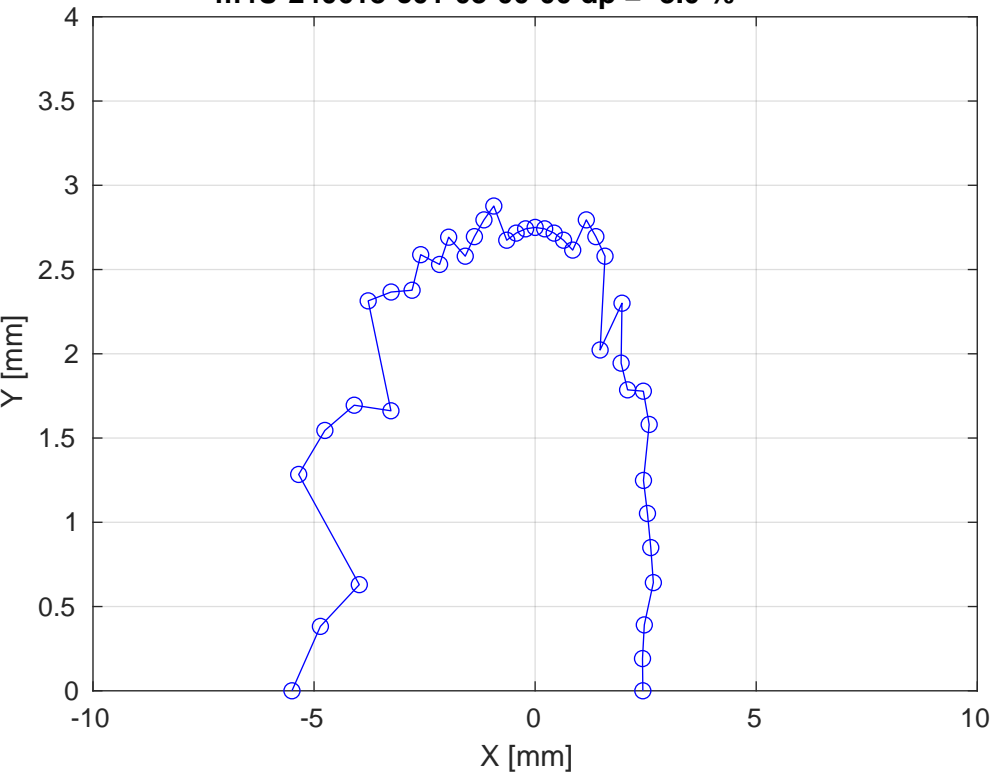


m4U-240618-c01-03-00-00 dp = 3.0 %

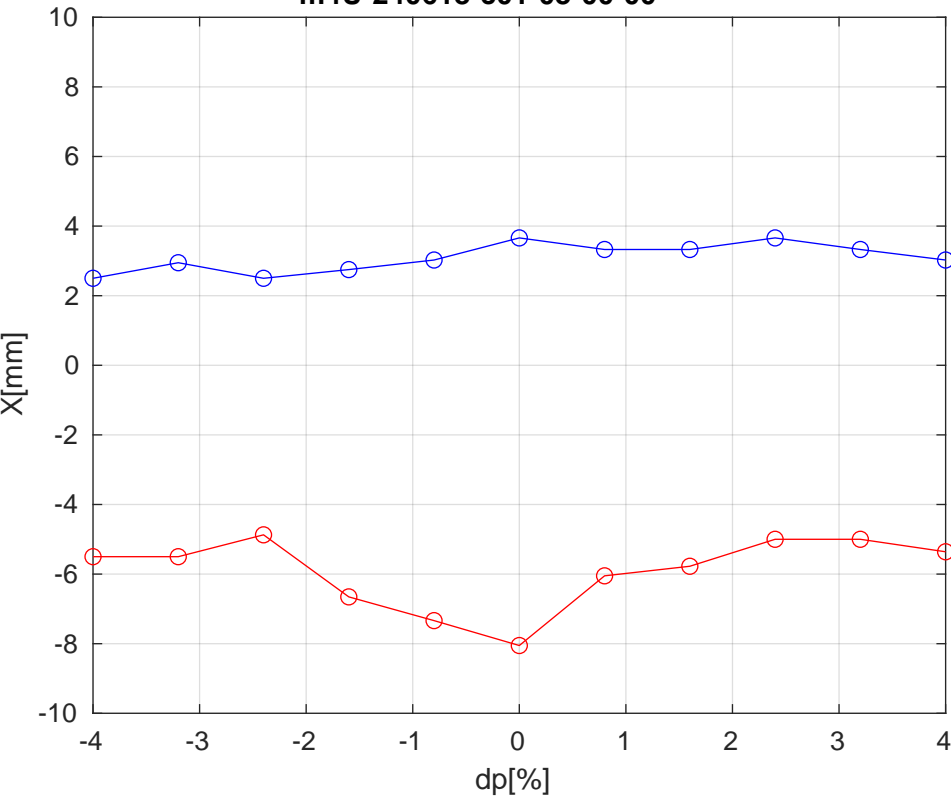




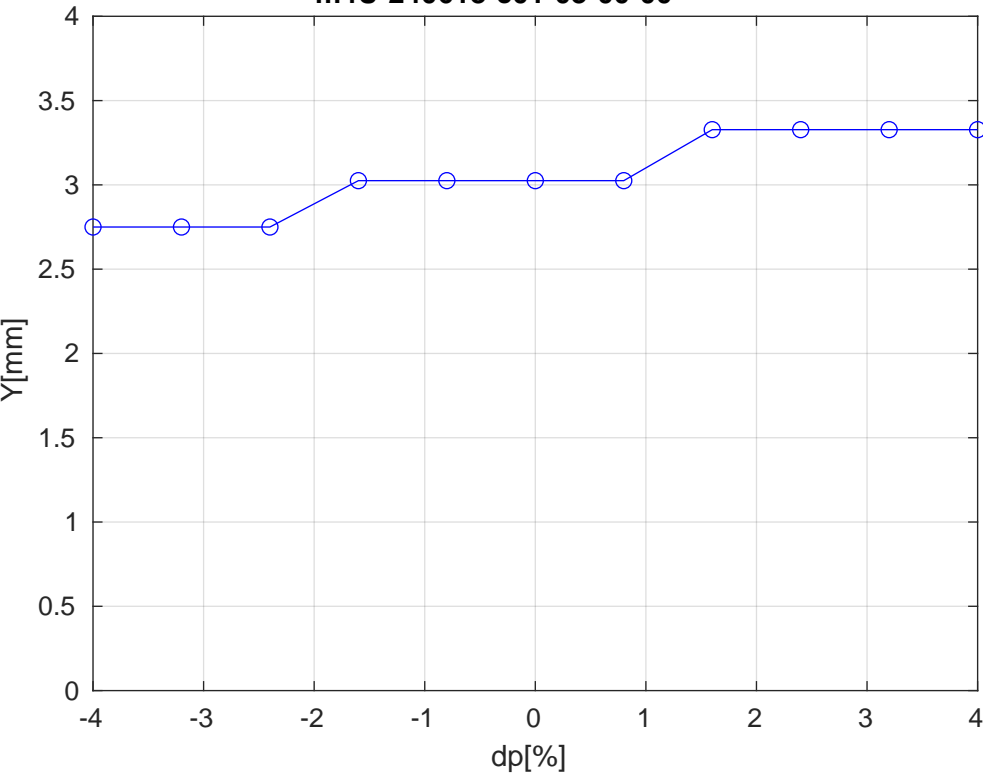
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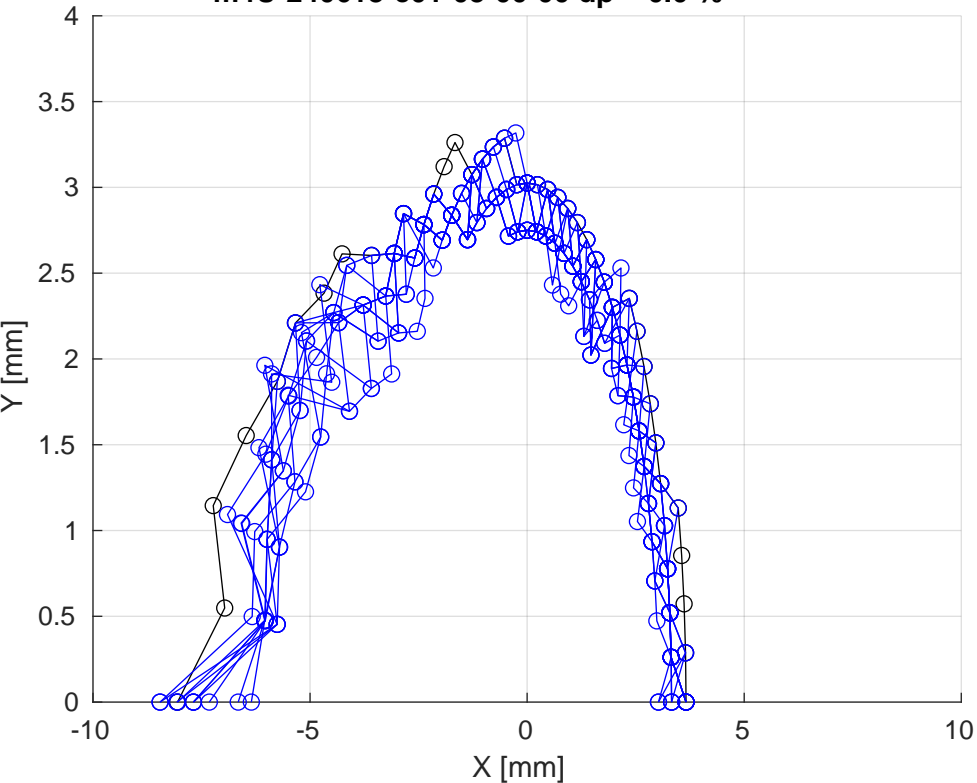
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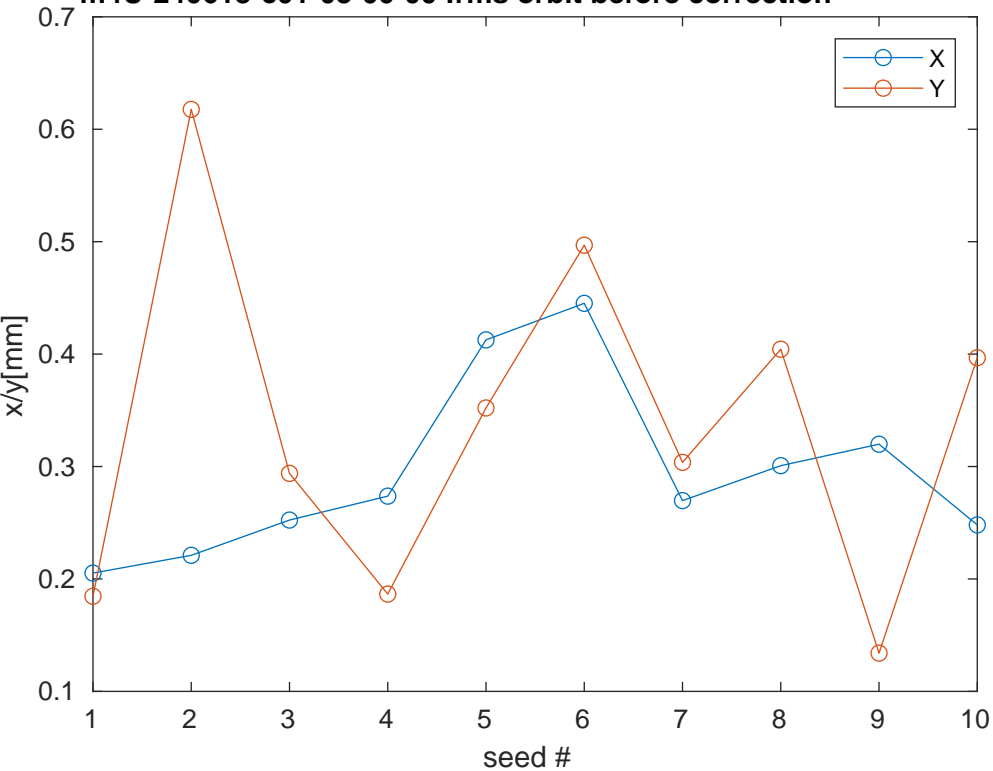
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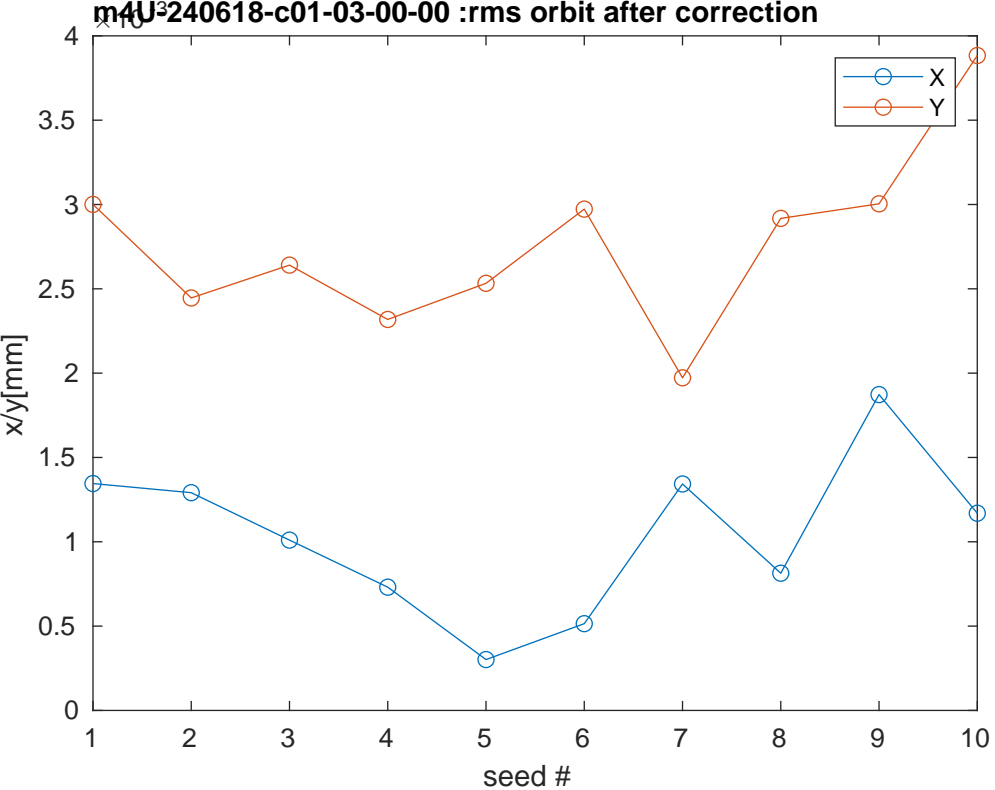


m4U-240618-c01-03-00-00 dp = 0.0 %

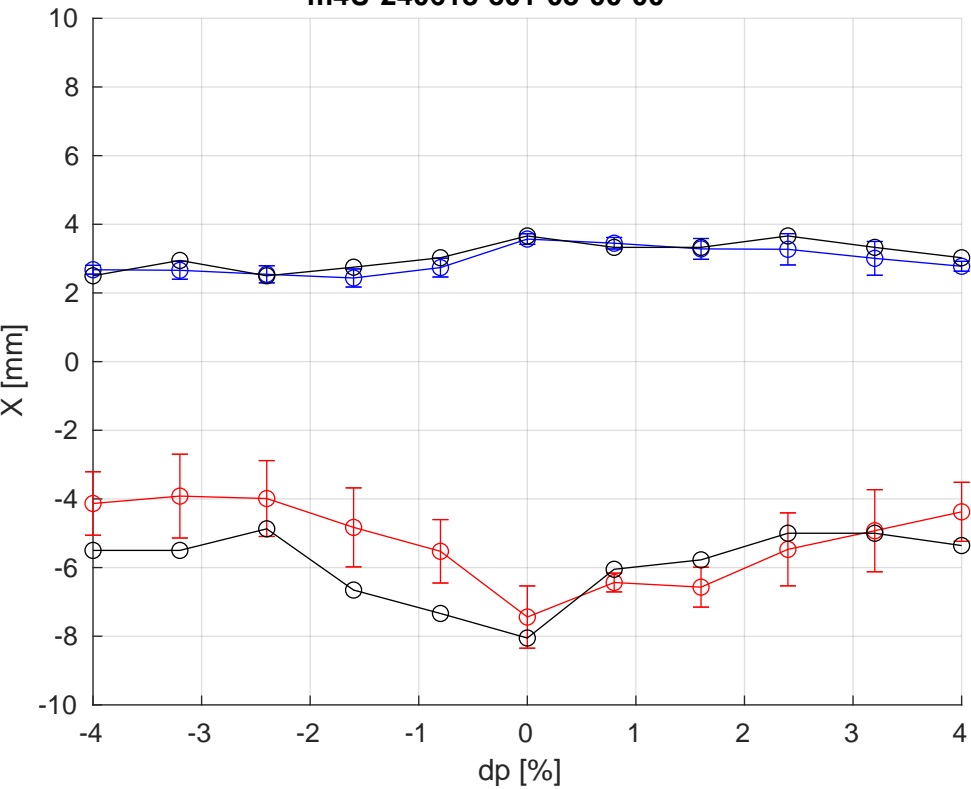


m4U-240618-c01-03-00-00 :rms orbit before correction

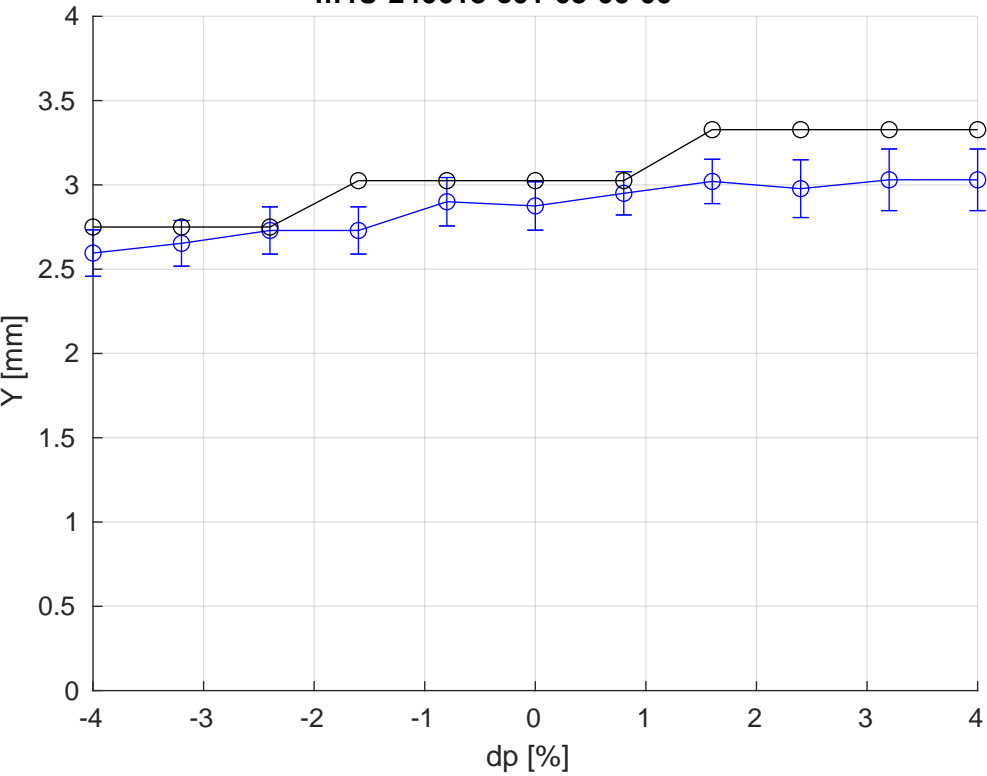




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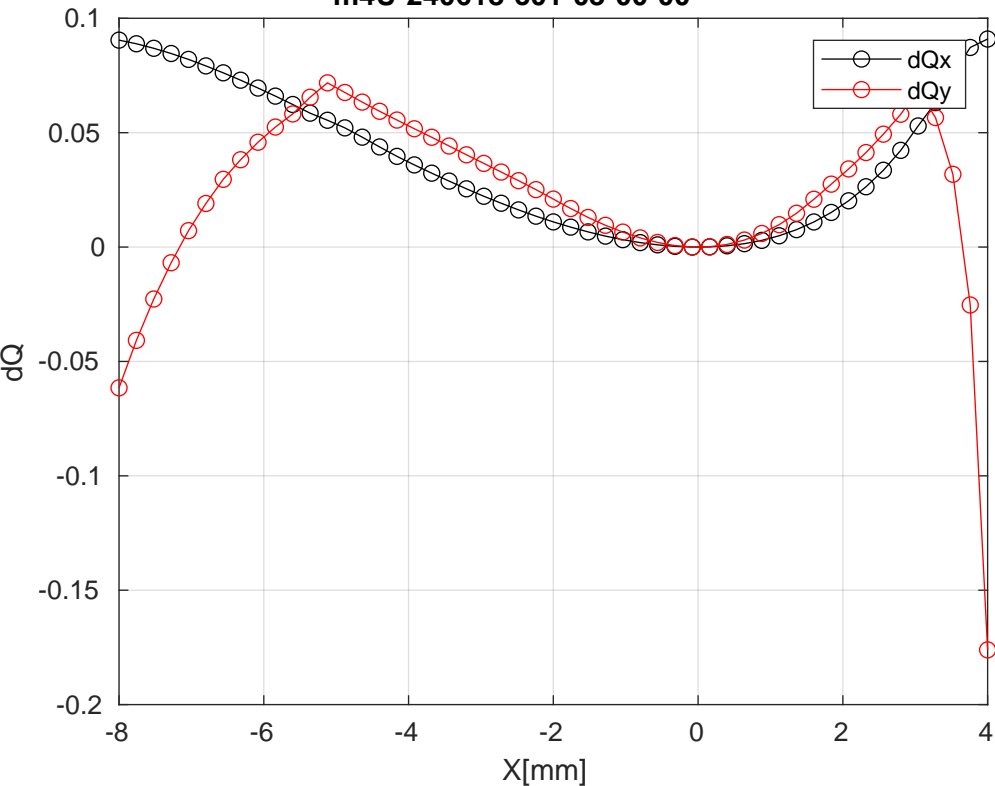


m4U-240618-c01-03-00-00

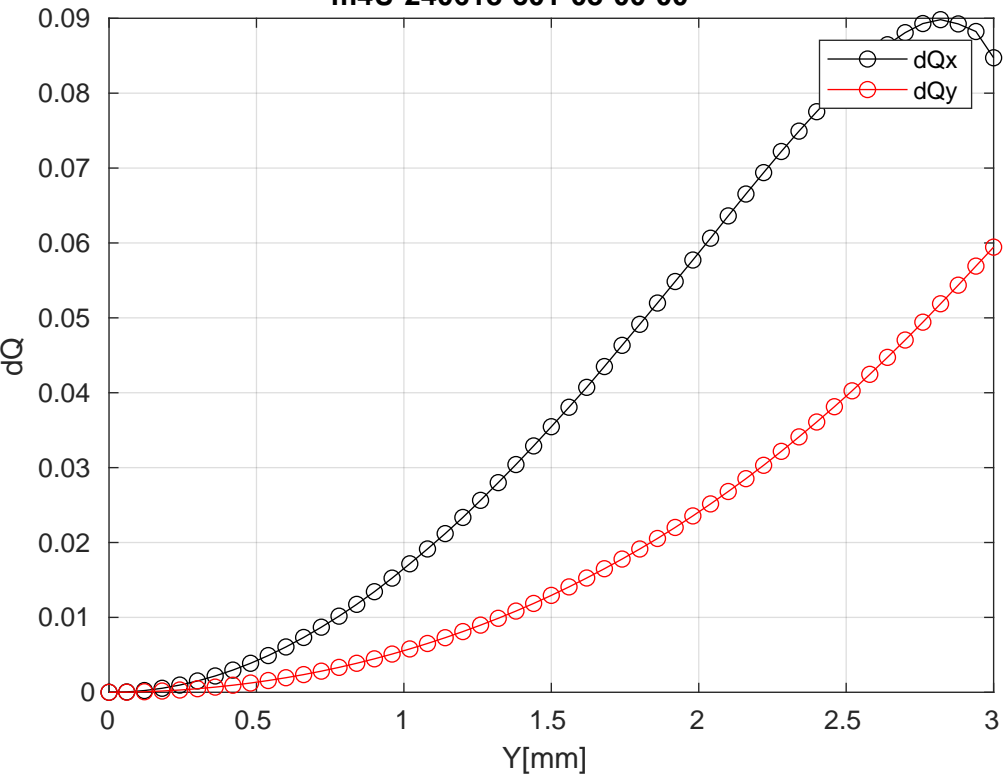




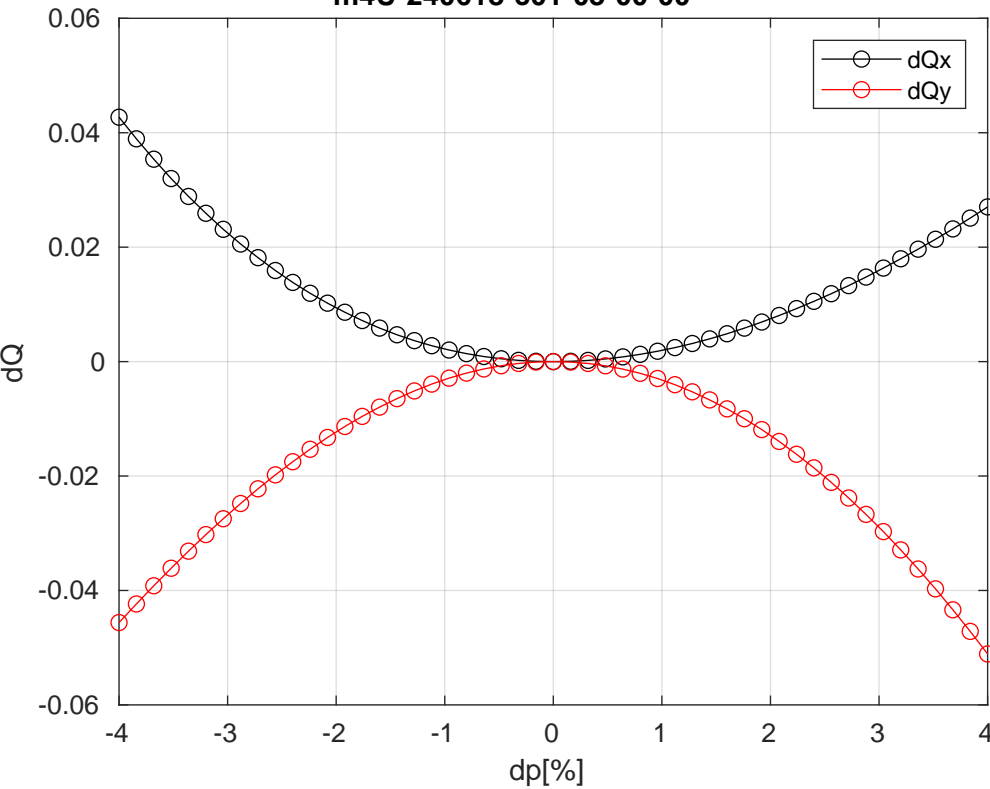
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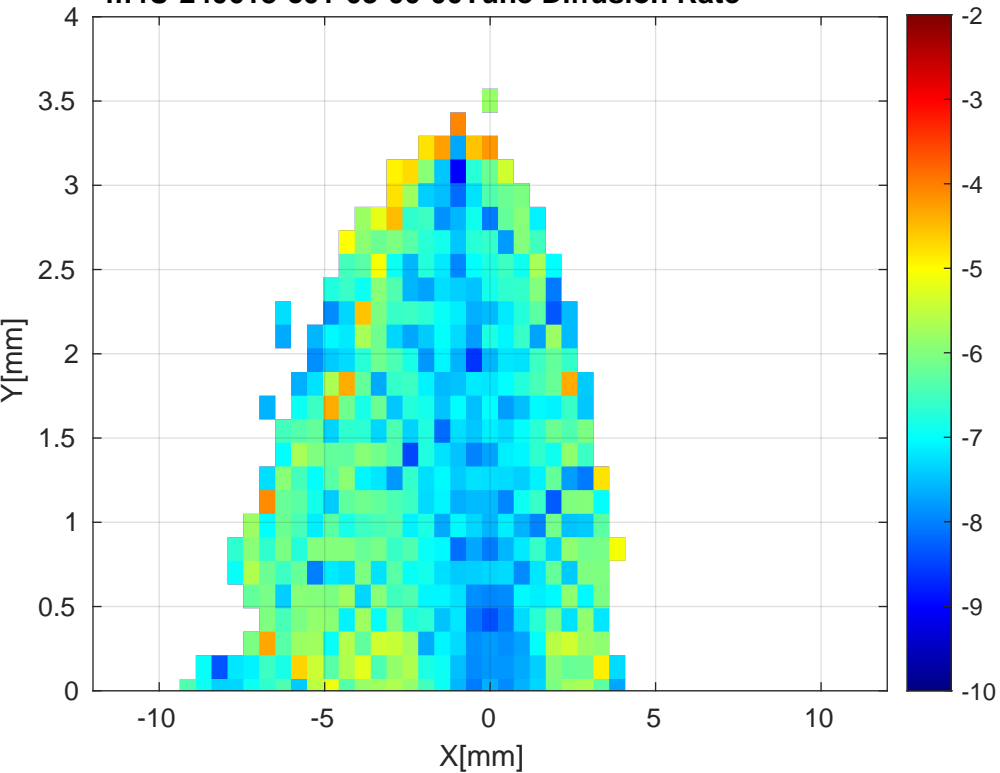
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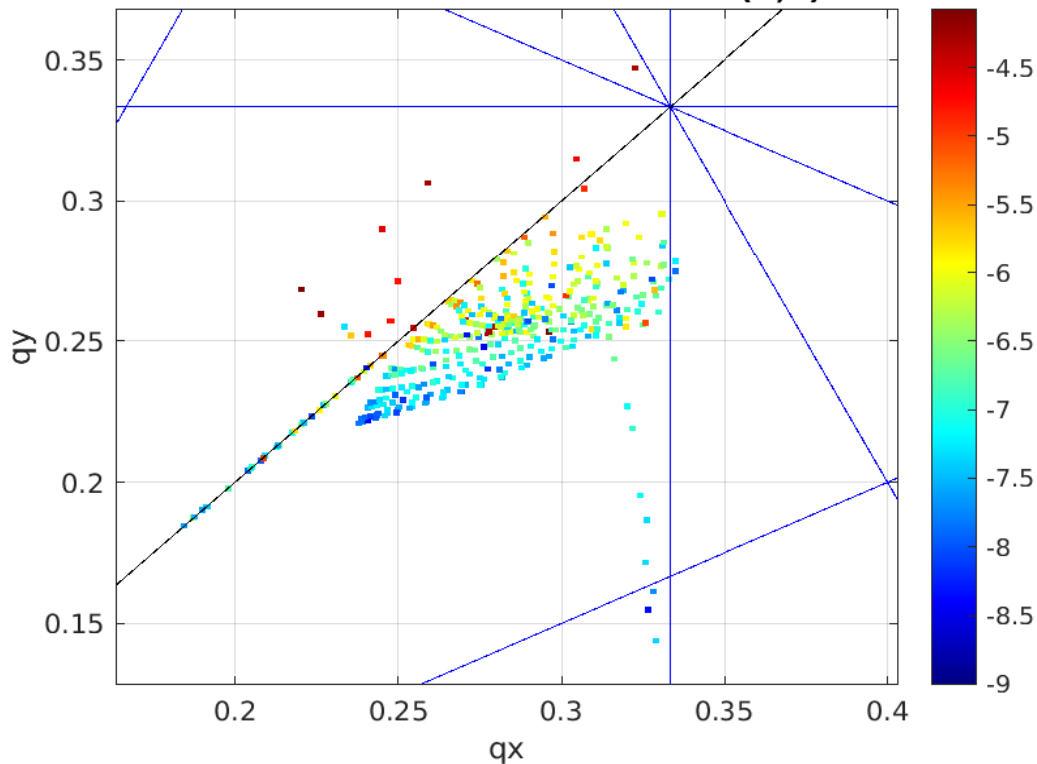
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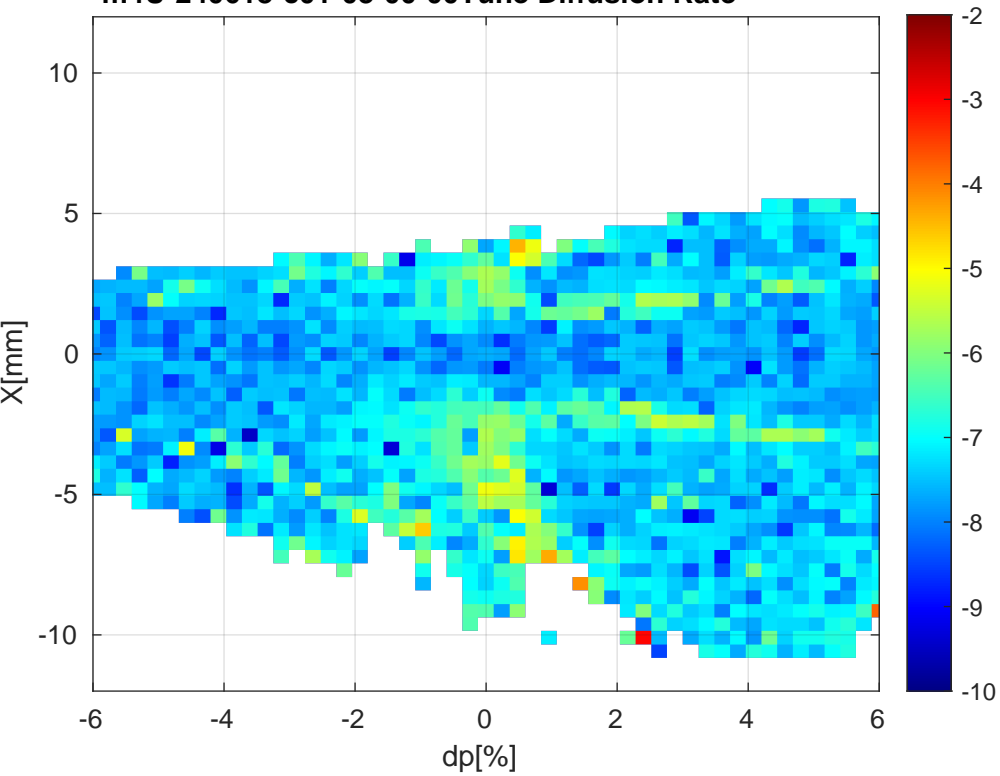
m4U-240618-c01-03-00-00Tune Diffusion Rate



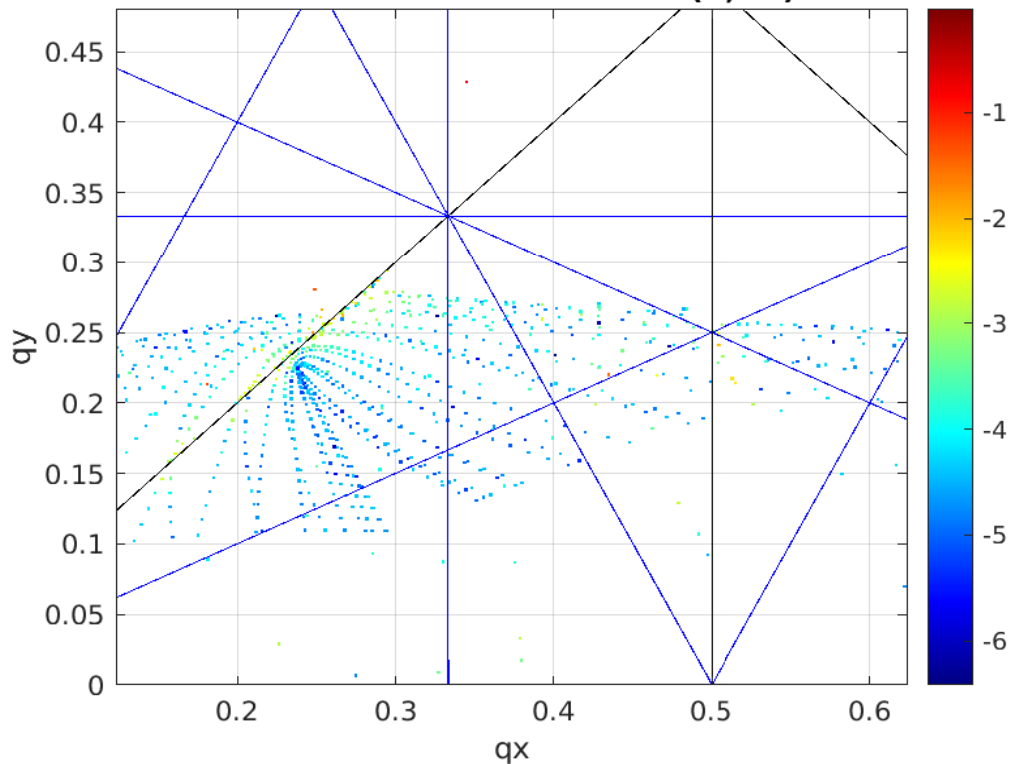
4U-240618-c01-03-00-00Tune Diffusion Rate:(X,Y) -Res order =3



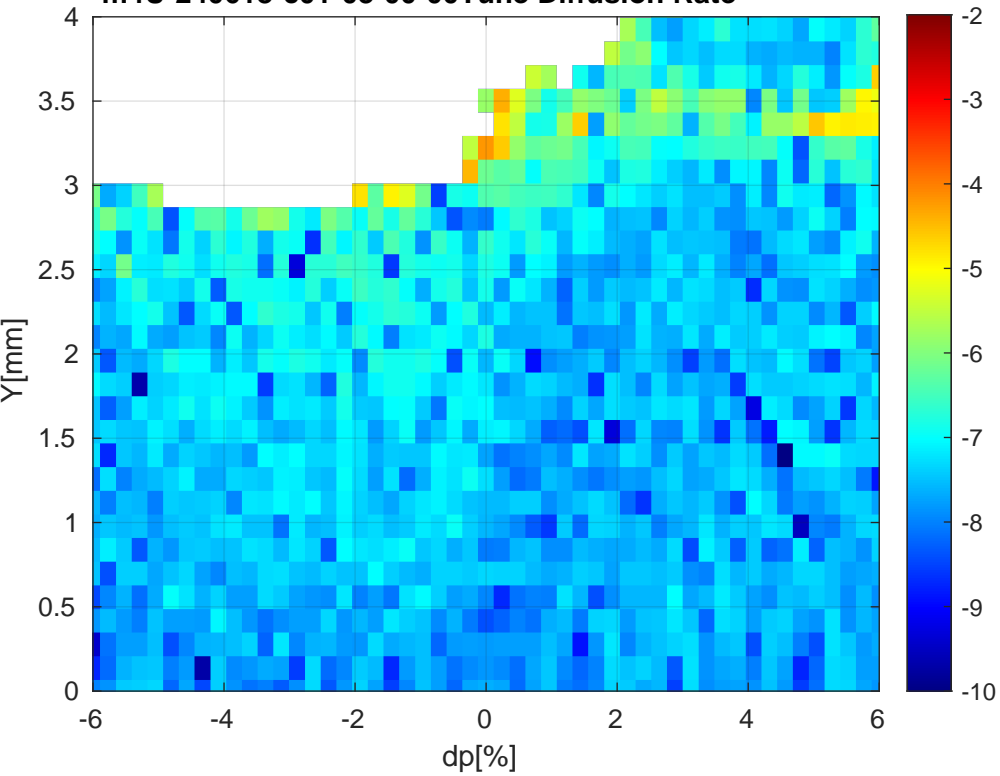
m4U-240618-c01-03-00-00Tune Diffusion Rate



m4U-240618-c01-03-00-00Tune Diffusion:(X,DP) -Res order =3

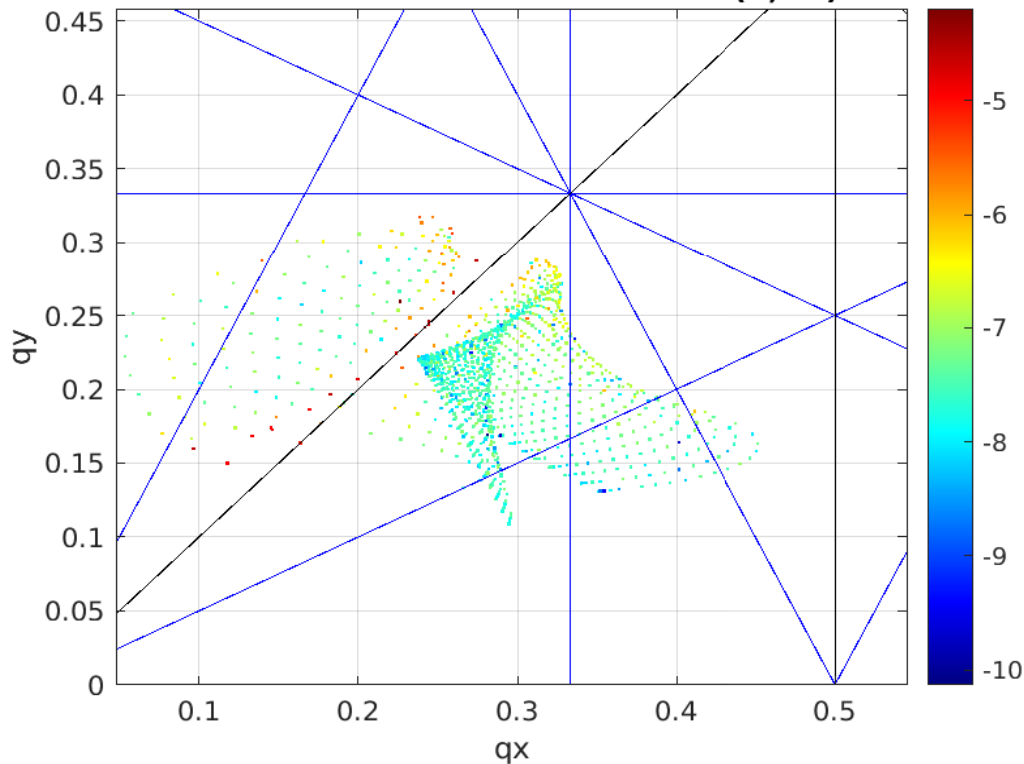


m4U-240618-c01-03-00-00Tune Diffusion Rate

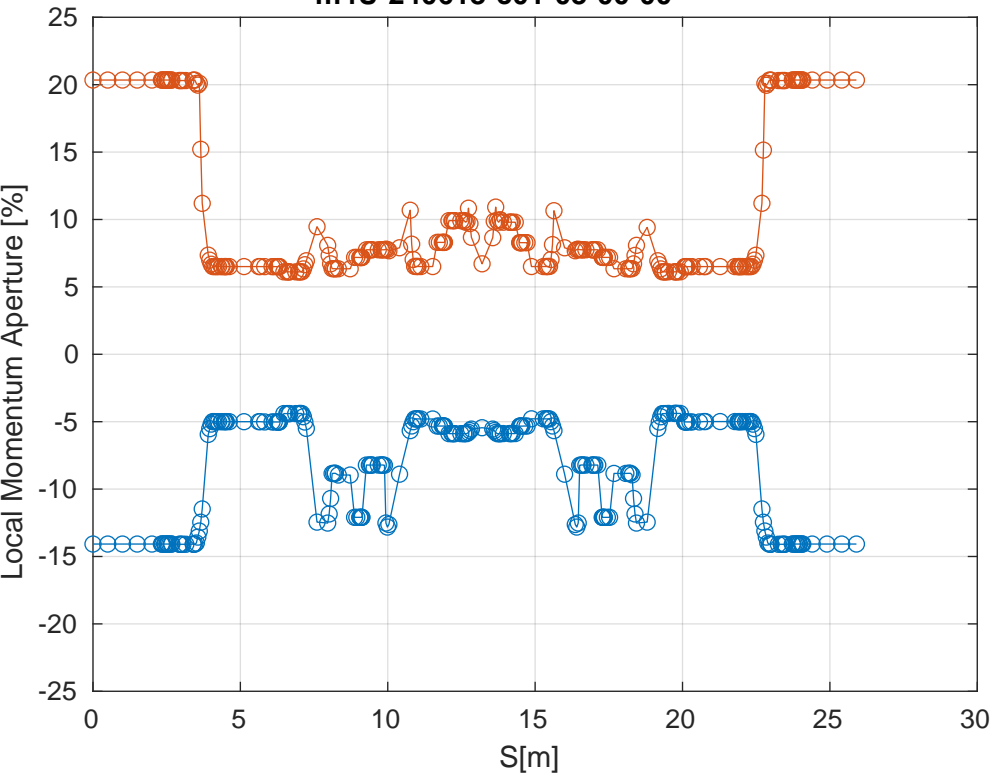




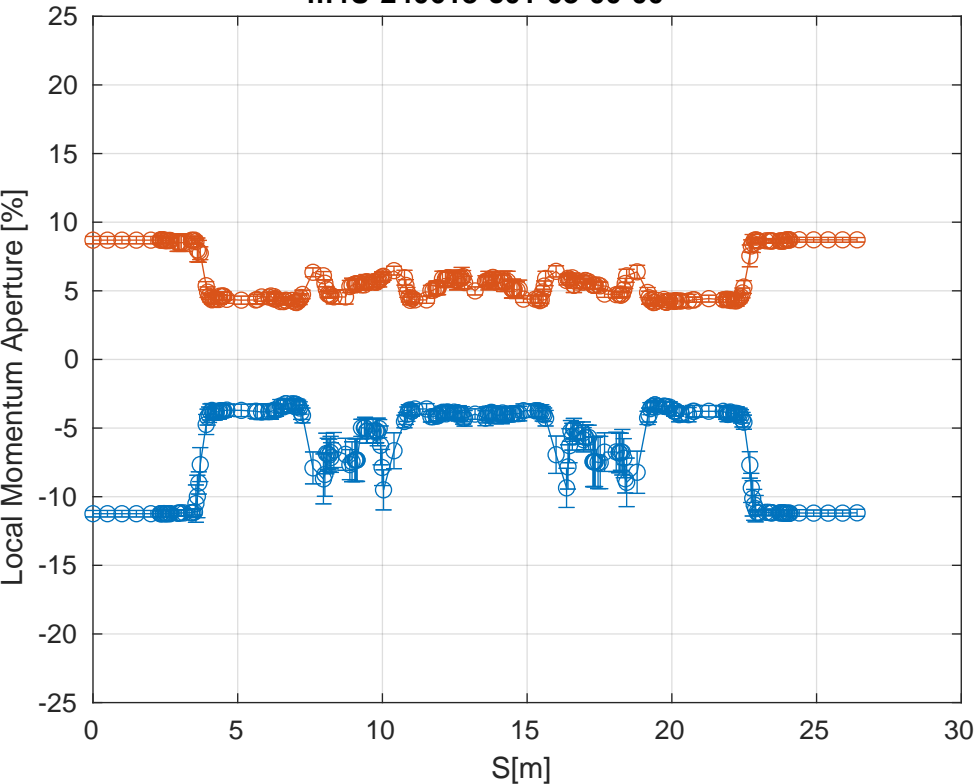
4U-240618-c01-03-00-00Tune Diffusion Rate:(Y,DP) -Res order =3



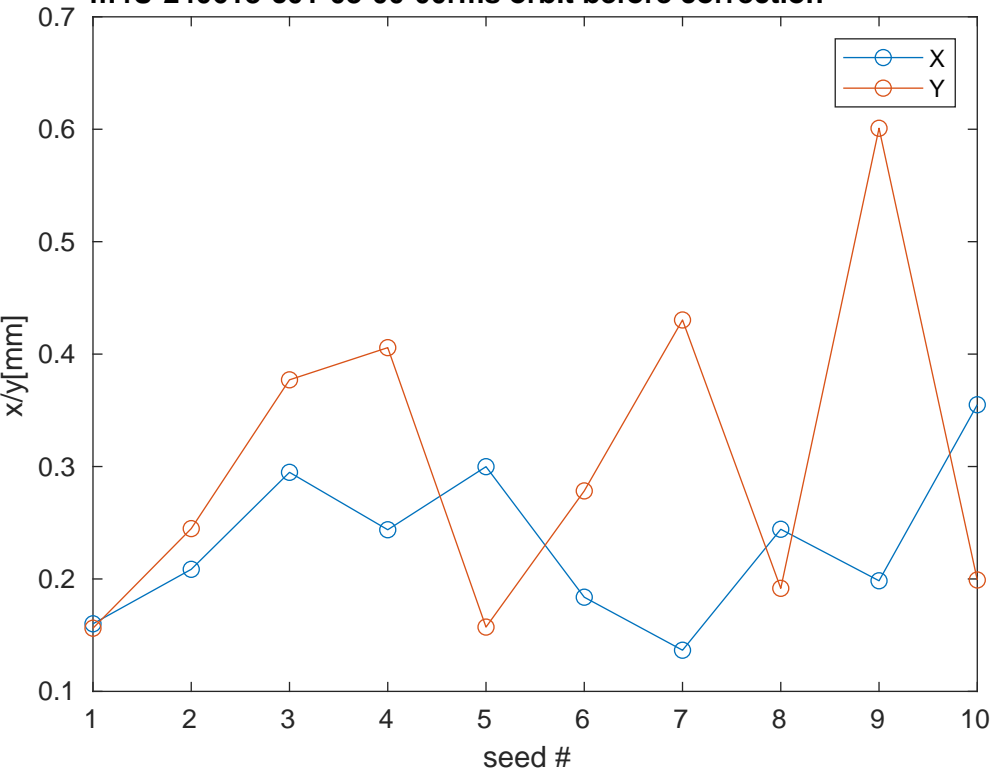
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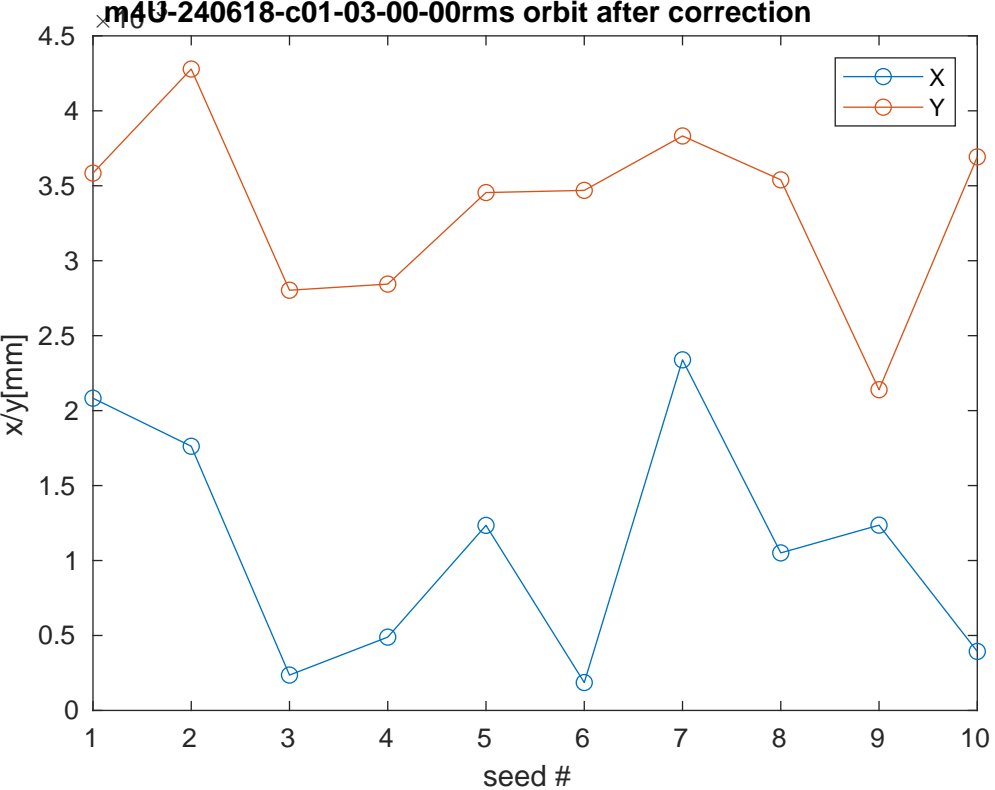


m4U-240618-c01-03-00-00

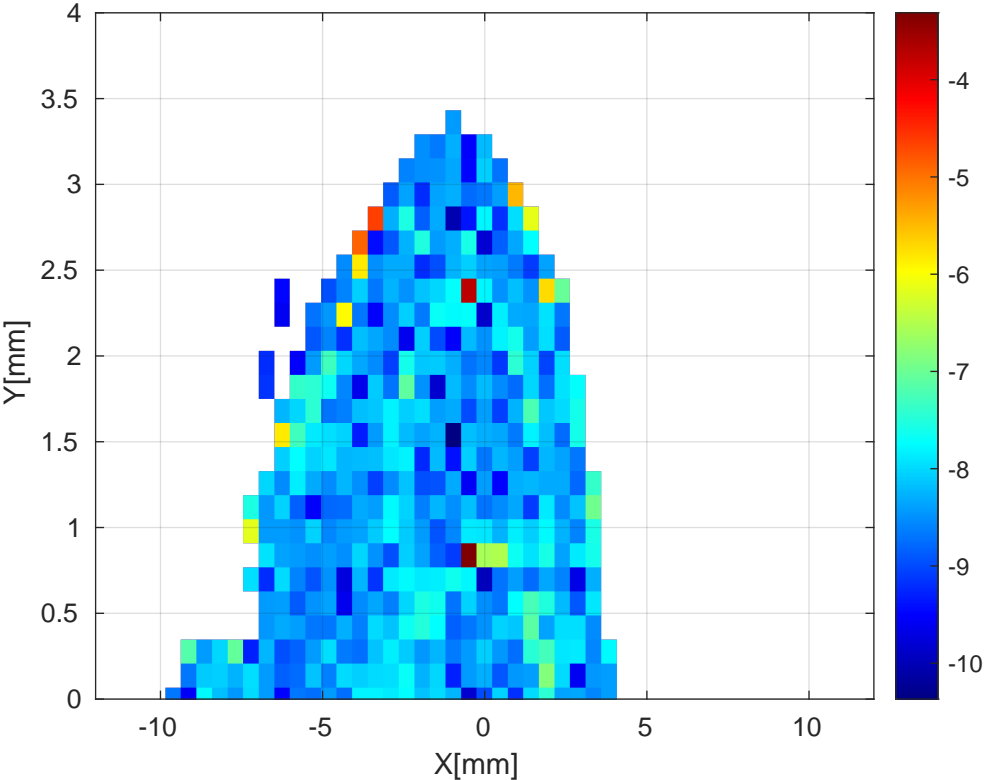


# m4U-240618-c01-03-00-00rms orbit before correction





m4U-240618-c01-03-00: no errors -Tune Diffusion Rate



m4U-240618-c01-03-00-00: with errors -Tune Diffusion Rate

