

***** Summary for 'm4U-230628-b03-01-01-01' *****

04-Aug-2024 15:03:14

Energy: ### 3.0 GeV

Circumference: ## 528.0 m

Full tunes H/V: ## 54.27 / 14.23

Momentum Compaction Factor: # 1.04e-04

Chromaticity H: ##+1.00

Chromaticity V: ##+1.00

Radiation Loss: ## 408.4 keV

Natural Energy Spread: # 0.07 %

Natural Emittance: ## 104.9 pmrad

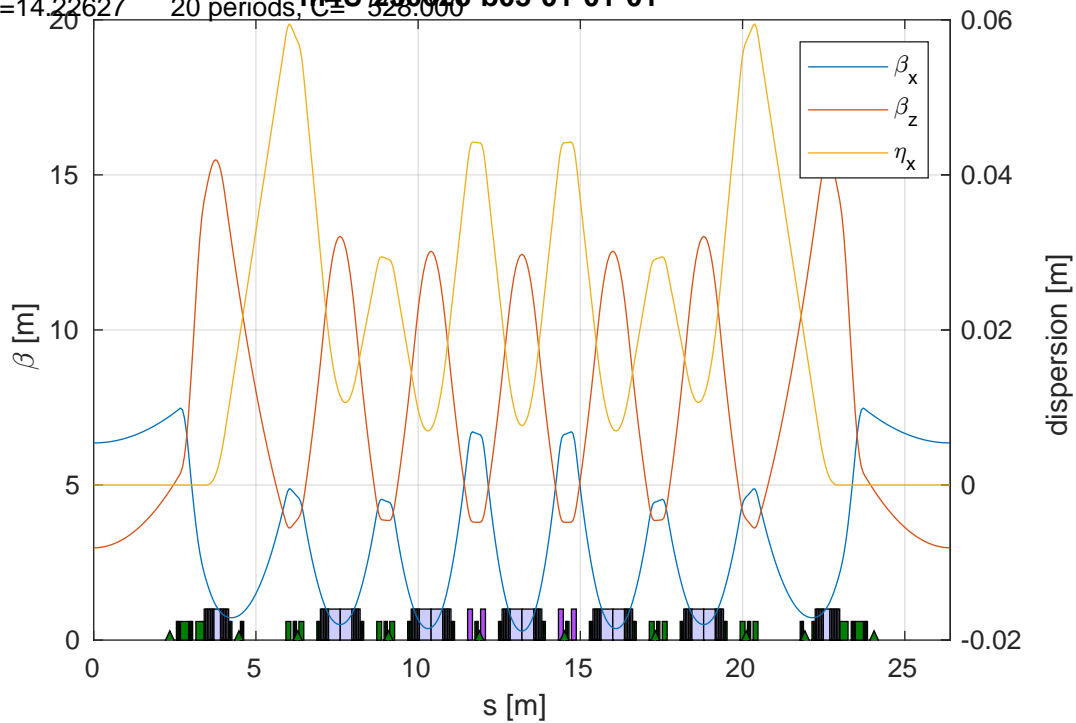
RF Voltage: # 1.8 MV

Achromat natural chromaticities: H/V## -4.11 / -3.11

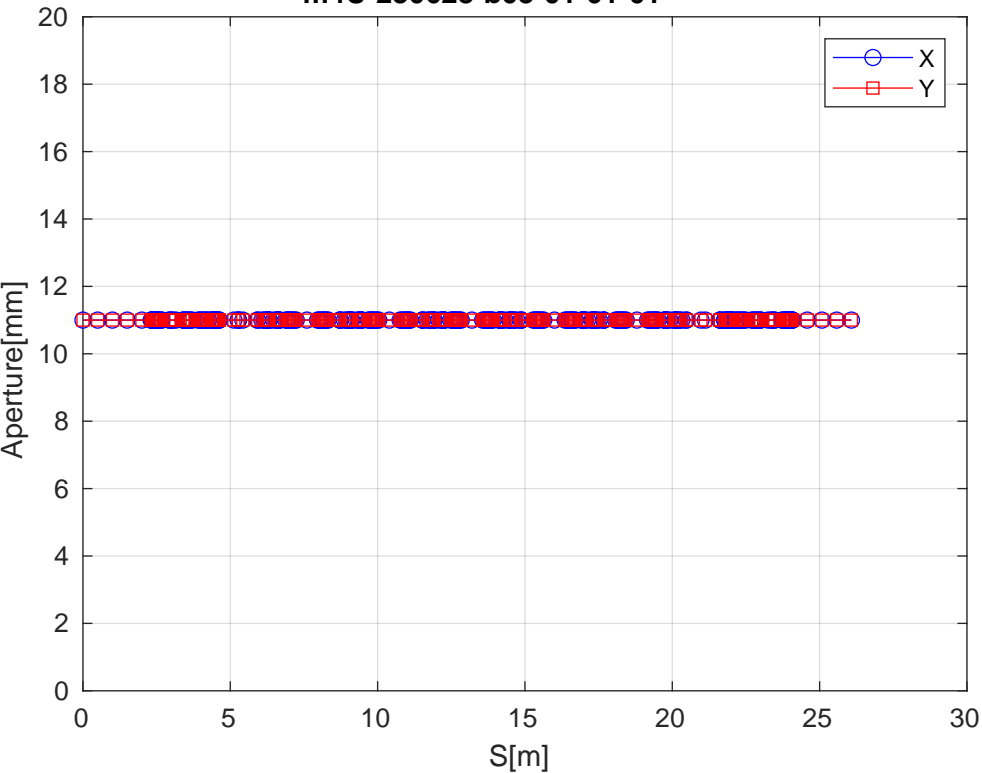
Achromat tunes H/V: ## 2.71 / 0.71

$\nu_x = 54.27461$ $\delta p/p = 0.000$ $\nu_z = 14.22627$ 20 periods, $C = 326.000$

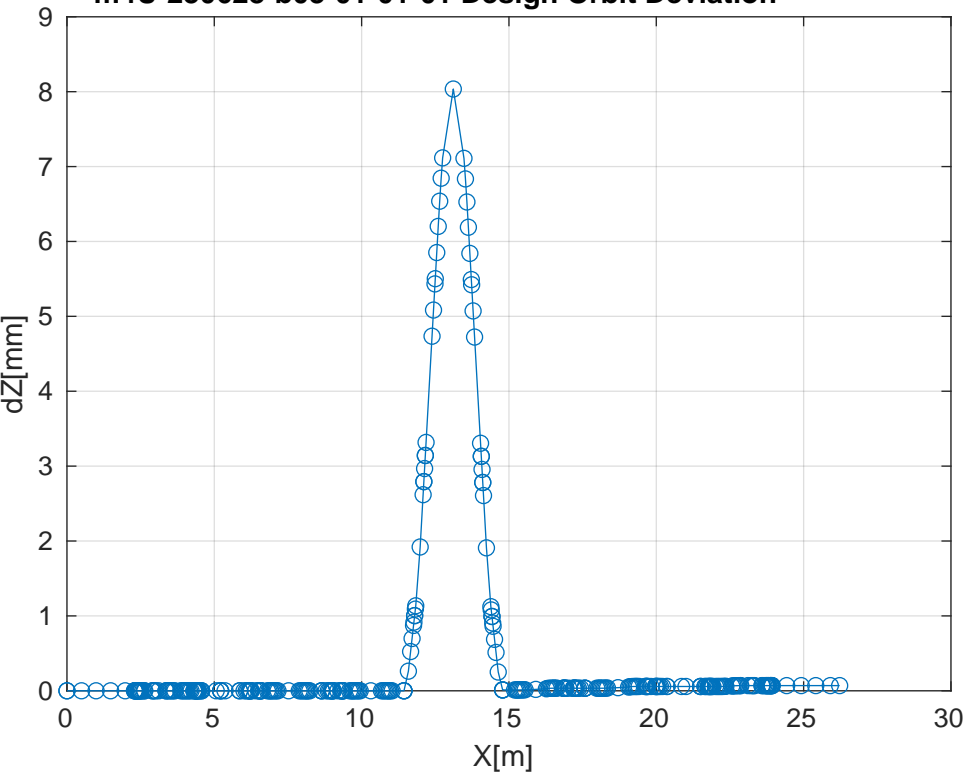
m4U-230628-b03-01-01-01



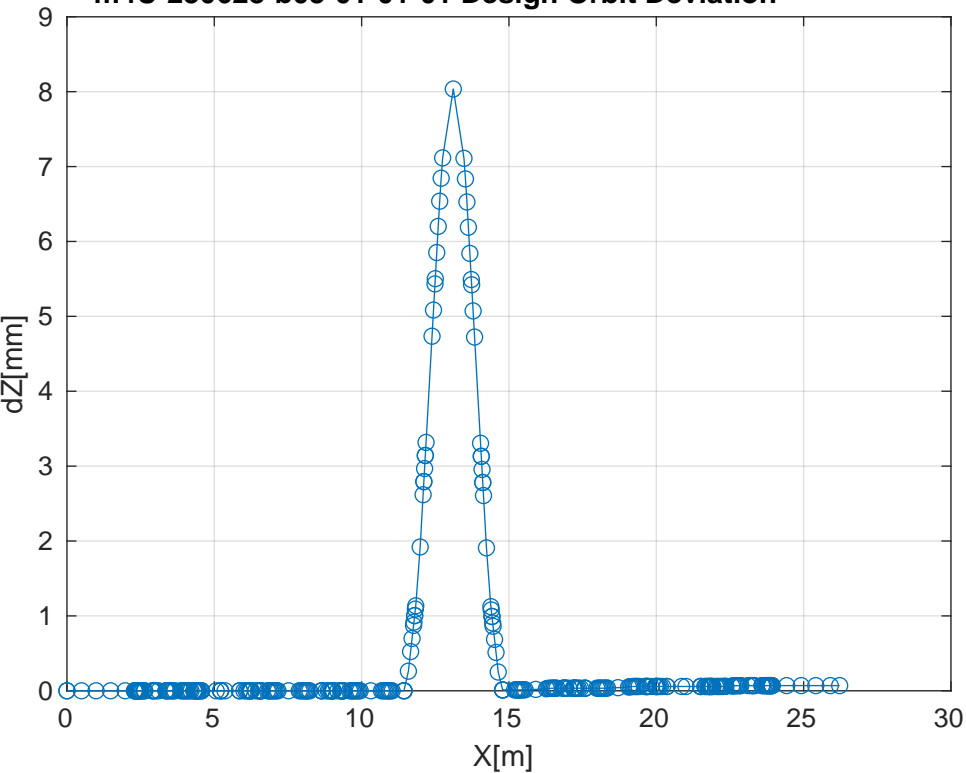
m4U-230628-b03-01-01-01



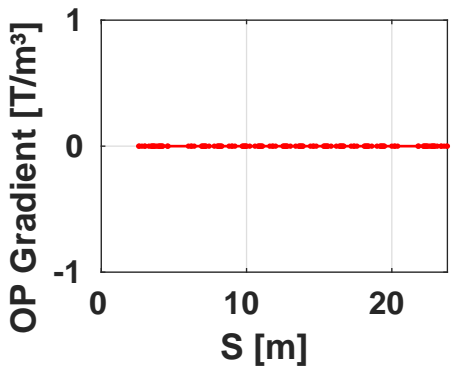
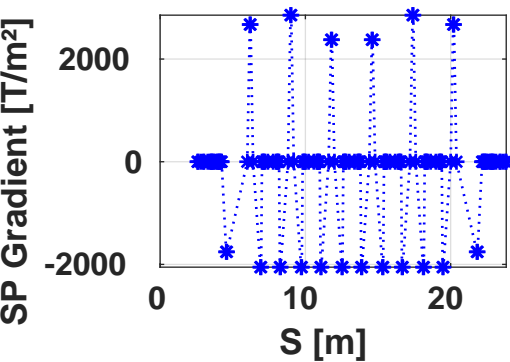
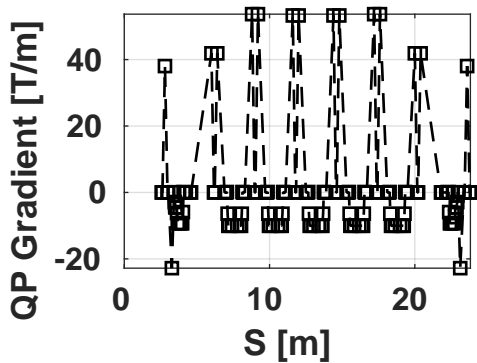
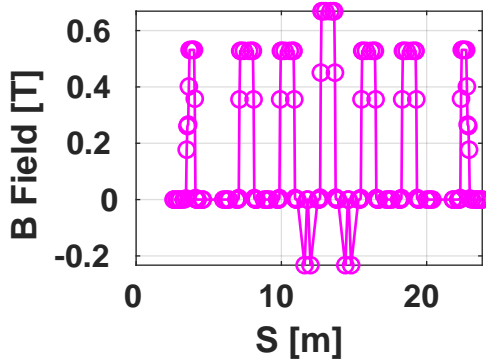
m4U-230628-b03-01-01 Design Orbit Deviation



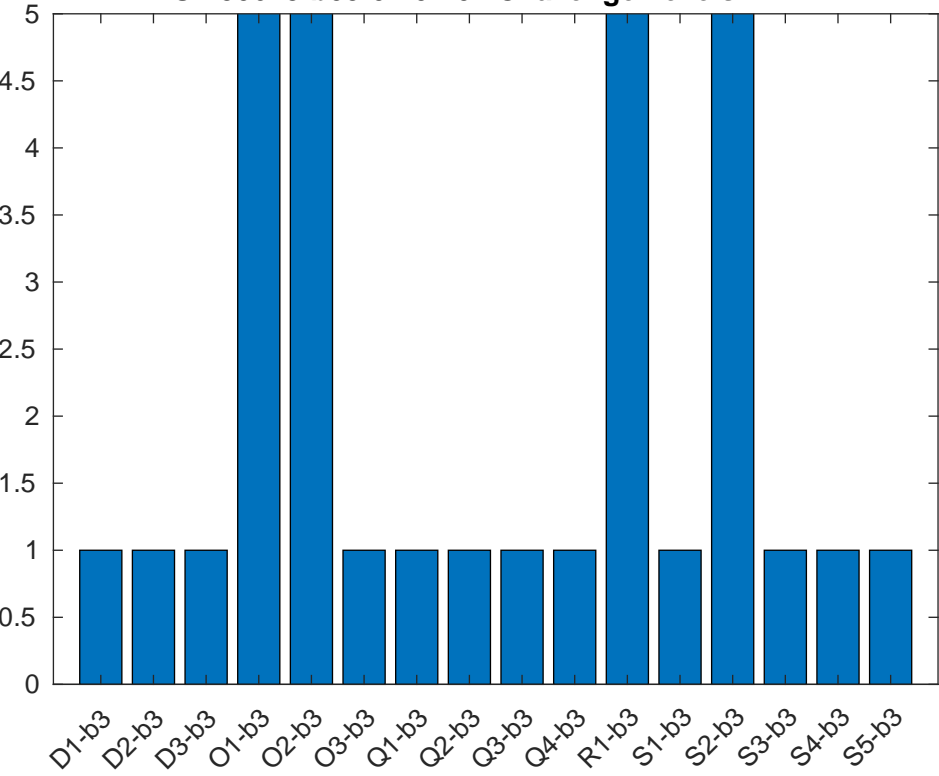
m4U-230628-b03-01-01 Design Orbit Deviation



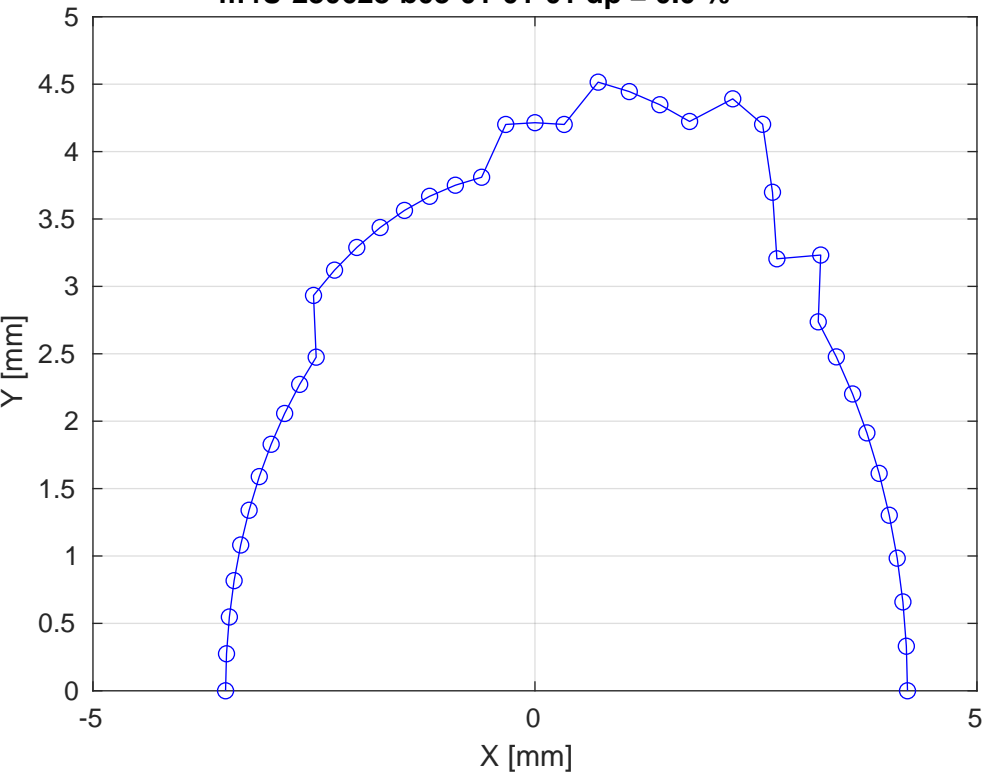
m4U-230628-b03-01-01-01



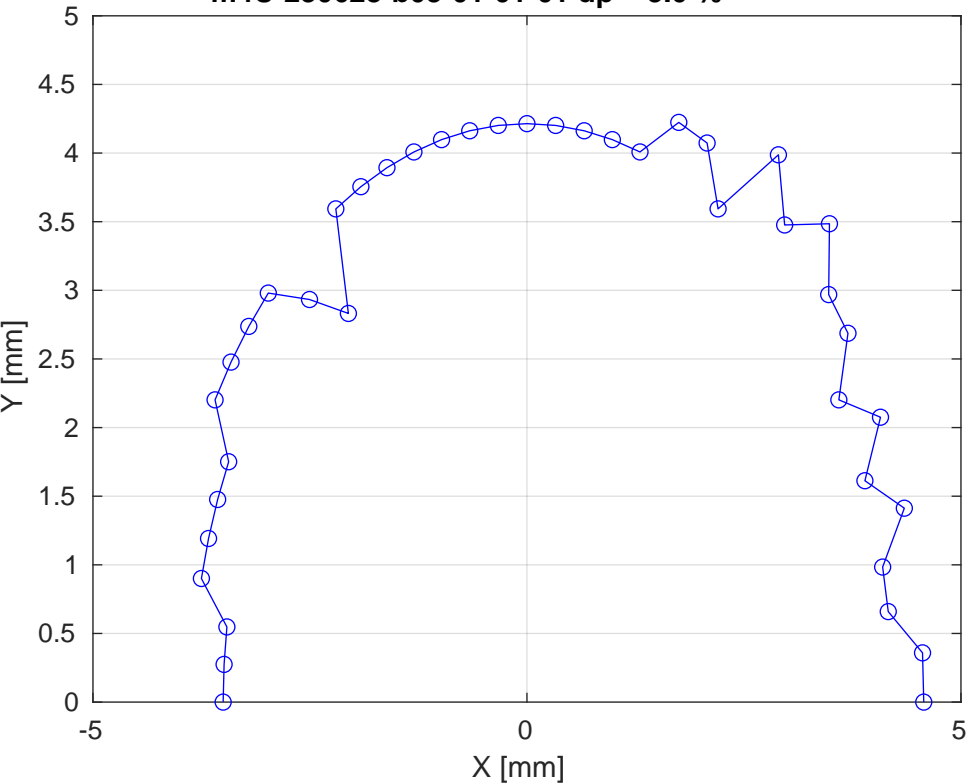
m4U-230628-b03-01-01-01 Challenge Levels



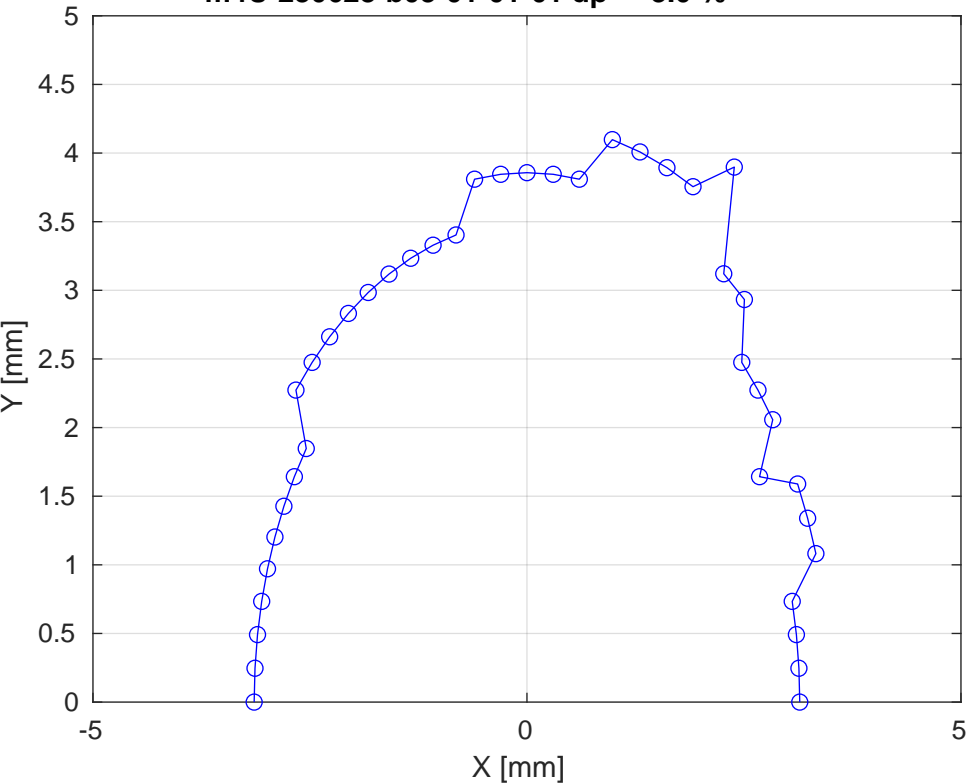
m4U-230628-b03-01-01-01 dp = 0.0 %



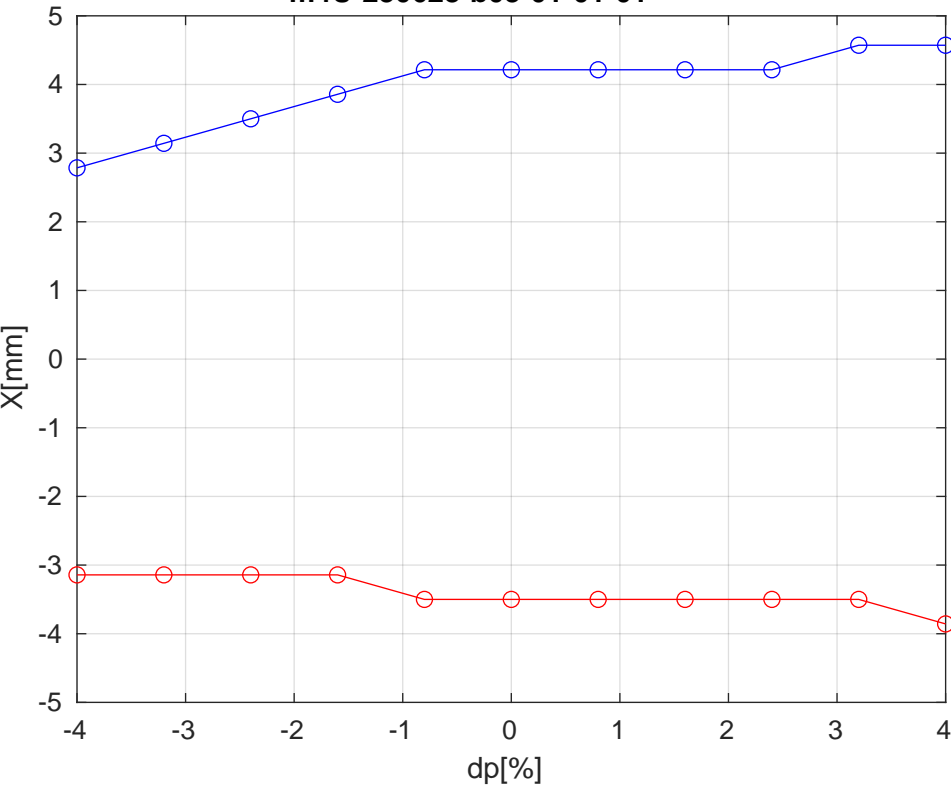
m4U-230628-b03-01-01 dp = 3.0 %



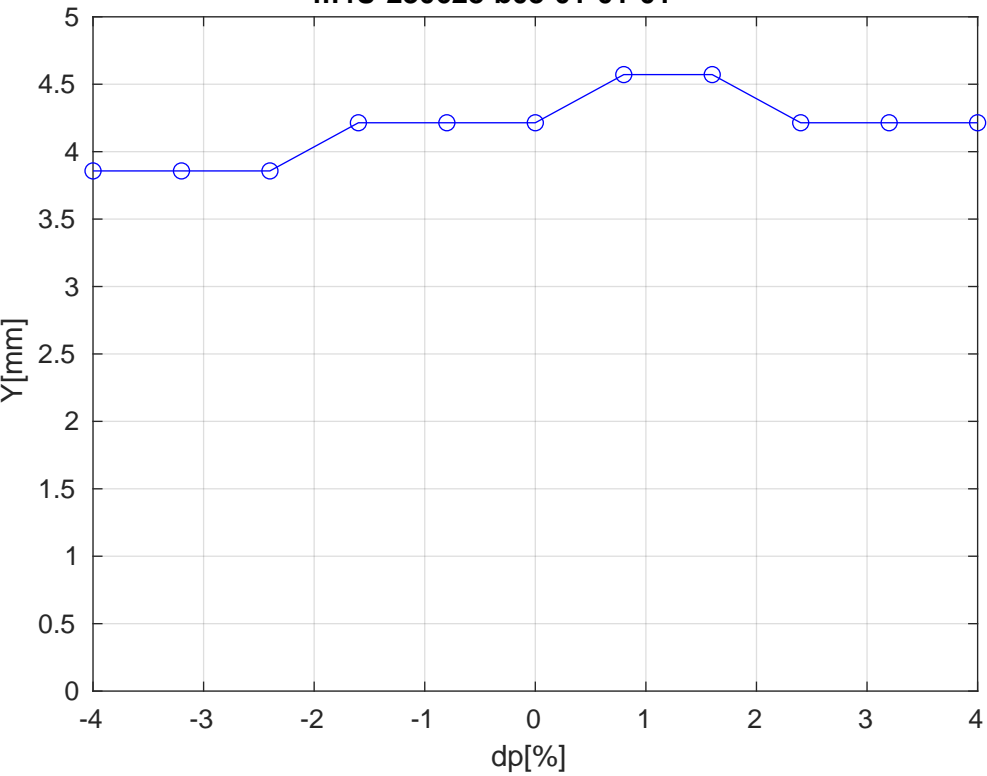
m4U-230628-b03-01-01-01 dp = -3.0 %



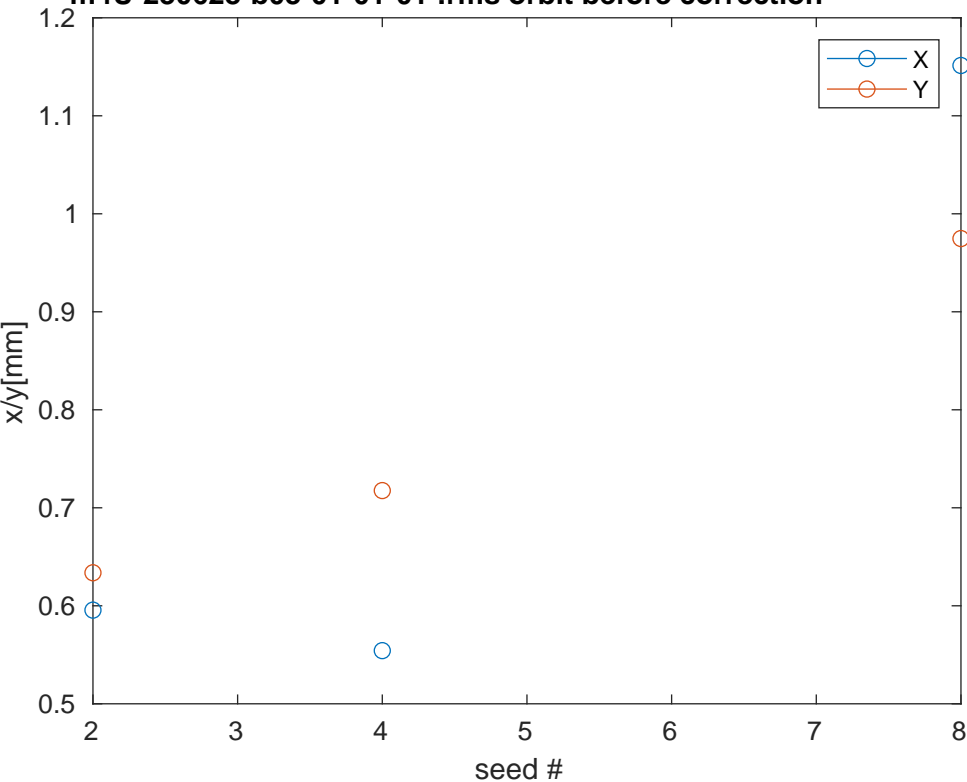
m4U-230628-b03-01-01-01



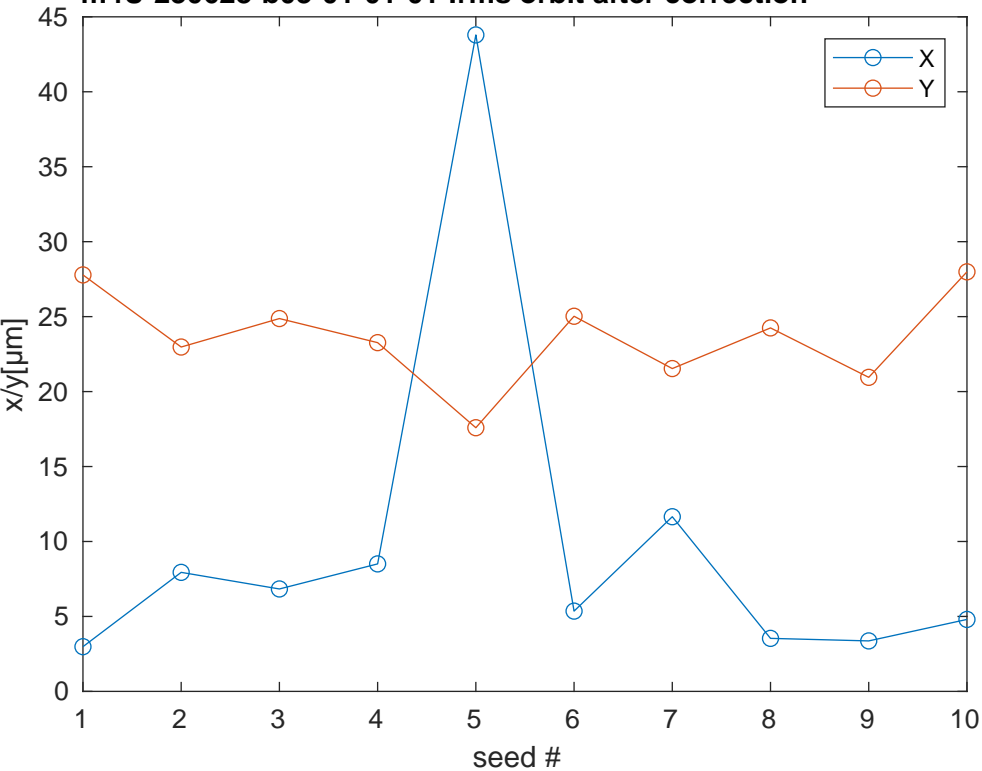
m4U-230628-b03-01-01-01



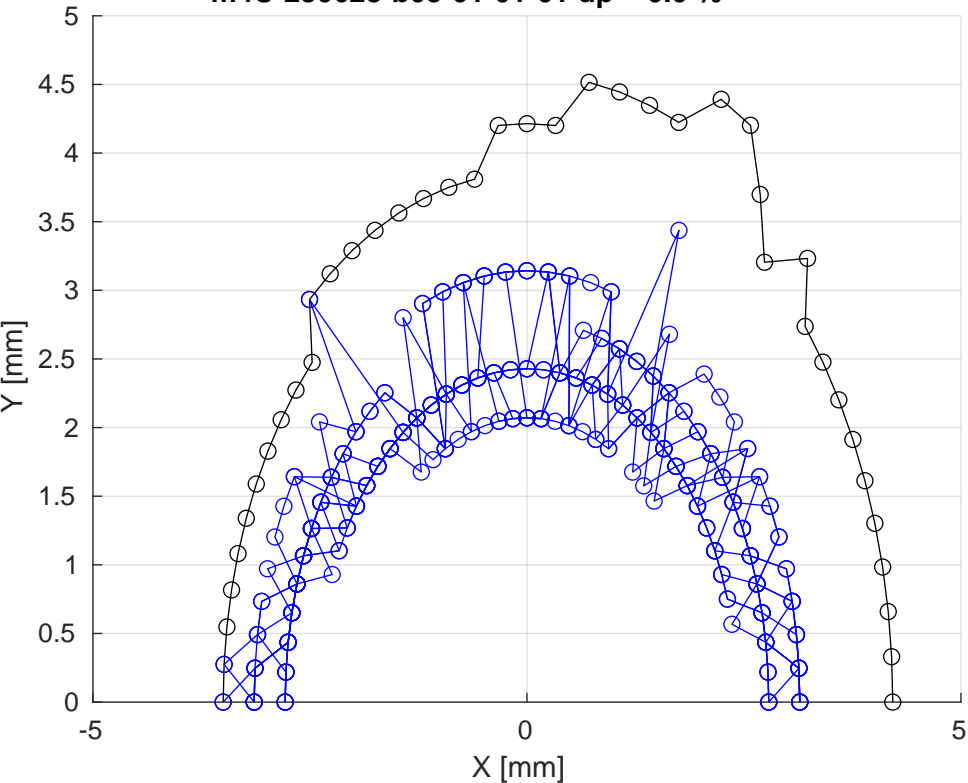
m4U-230628-b03-01-01-01 :rms orbit before correction



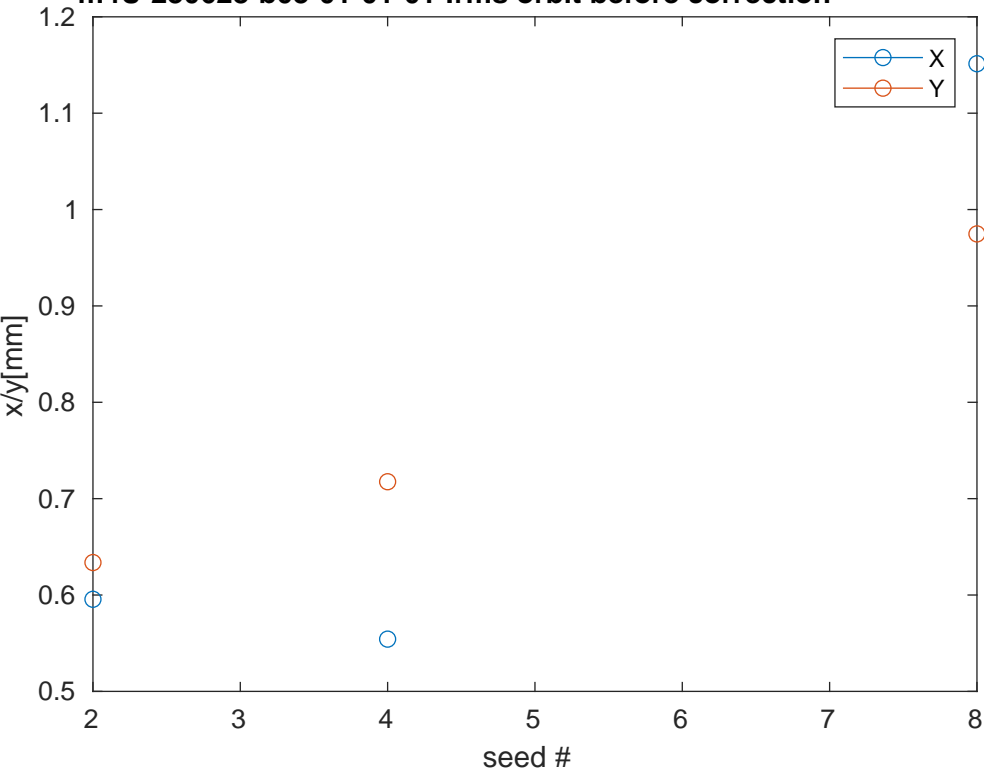
m4U-230628-b03-01-01 :rms orbit after correction



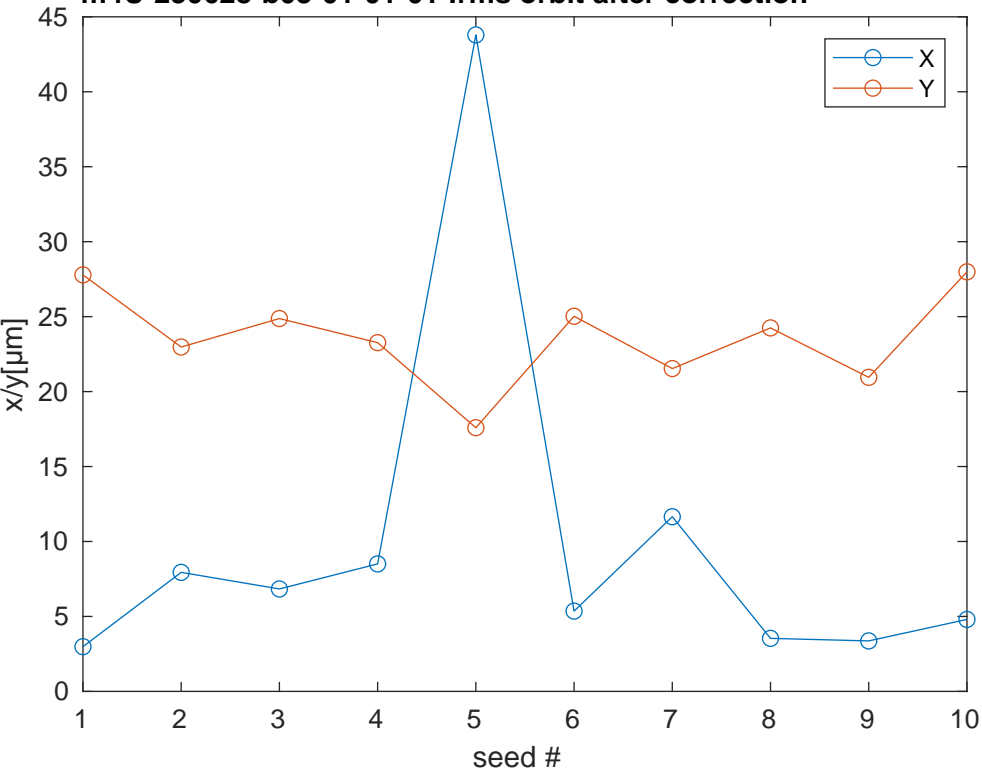
m4U-230628-b03-01-01 dp = 0.0 %



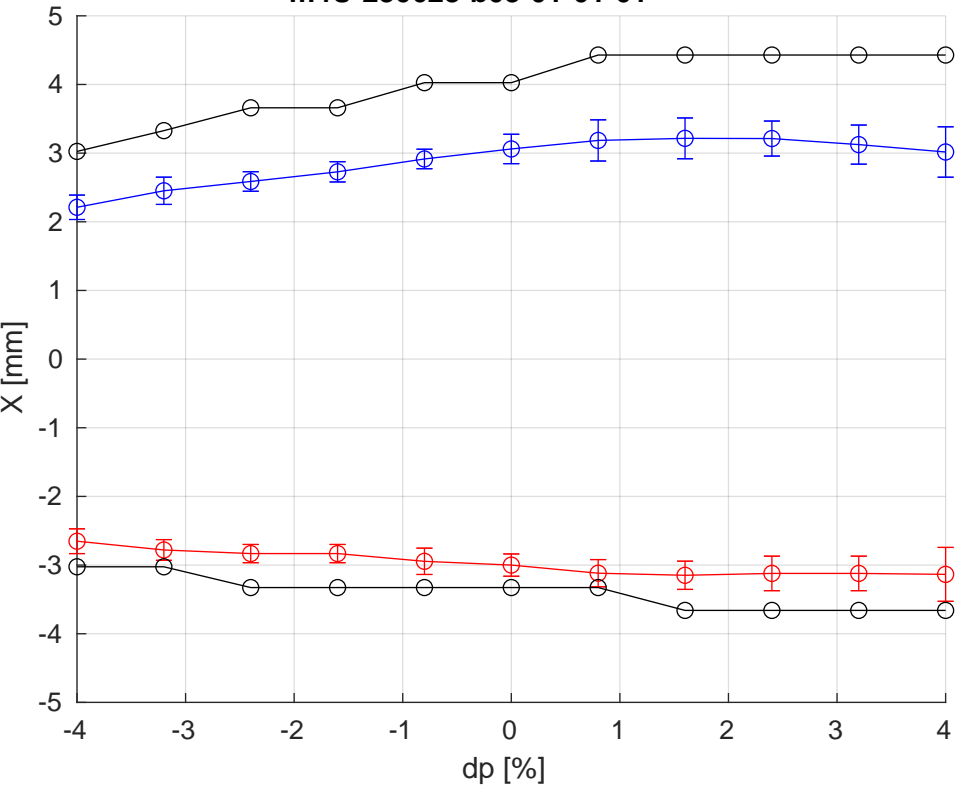
m4U-230628-b03-01-01 :rms orbit before correction



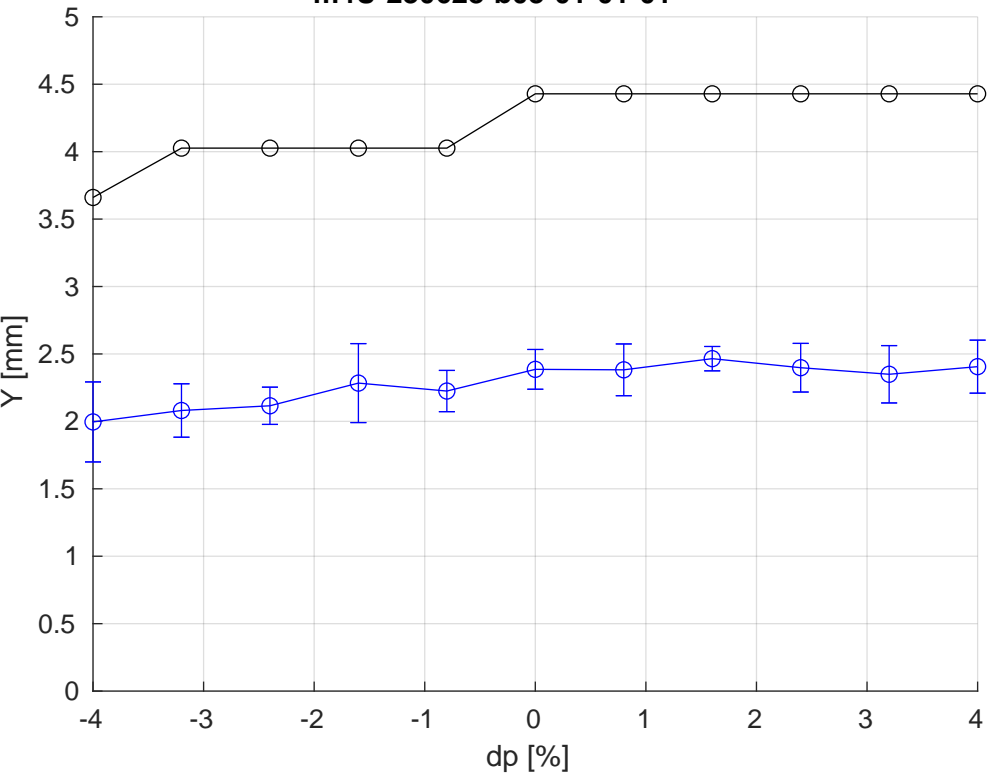
m4U-230628-b03-01-01 :rms orbit after correction



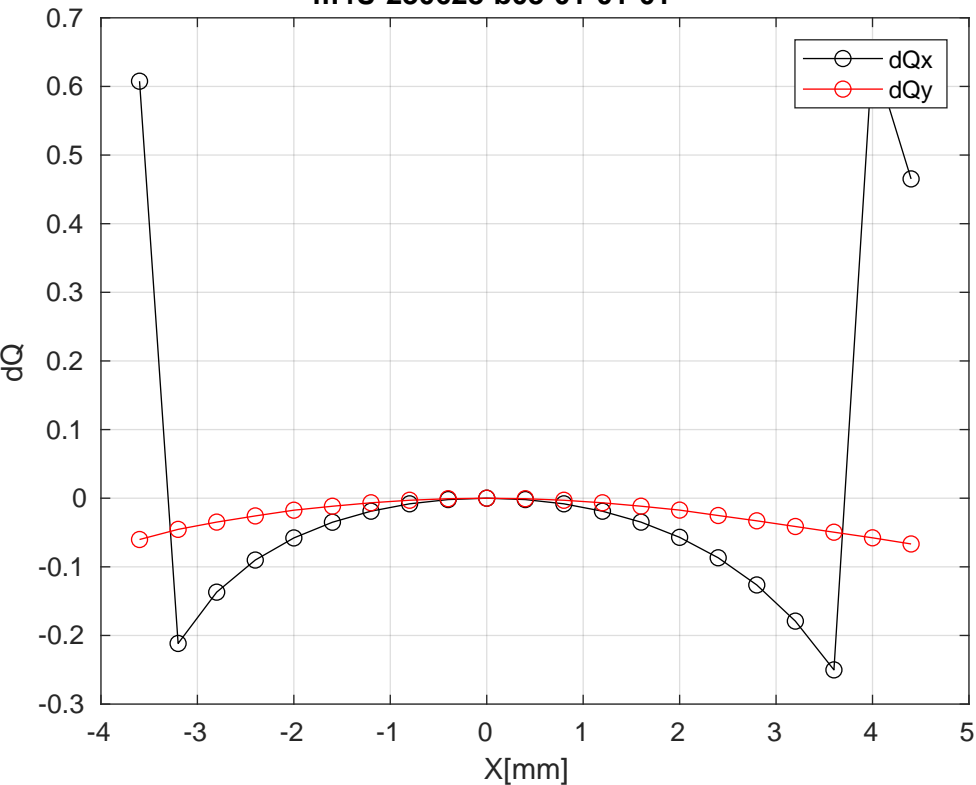
m4U-230628-b03-01-01-01



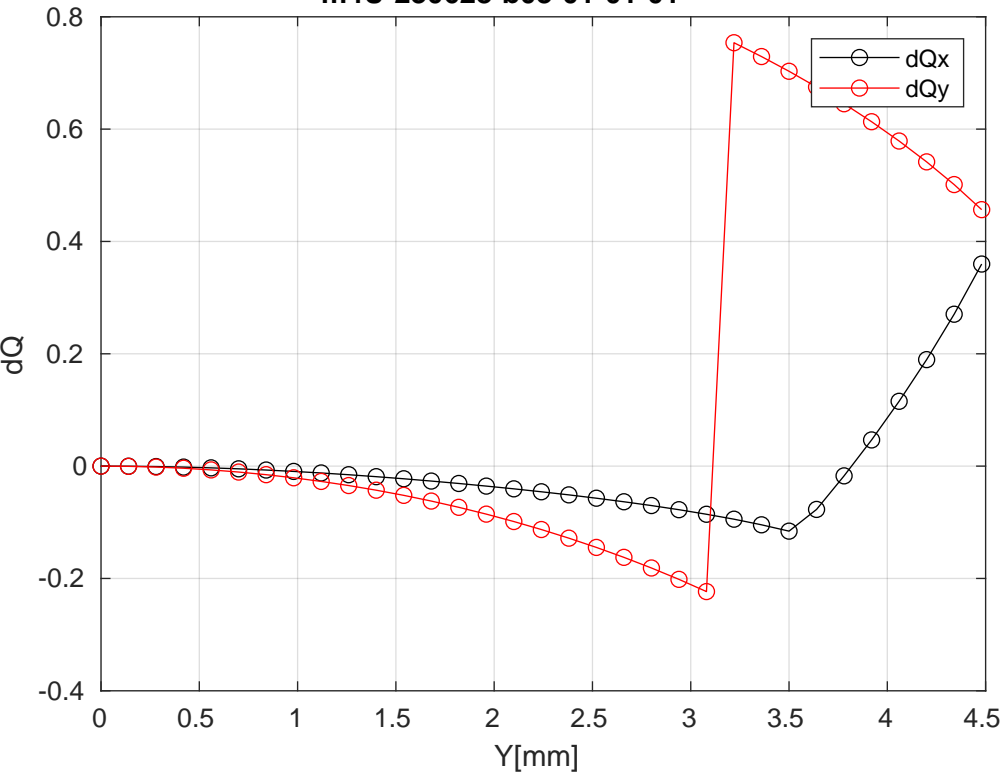
m4U-230628-b03-01-01



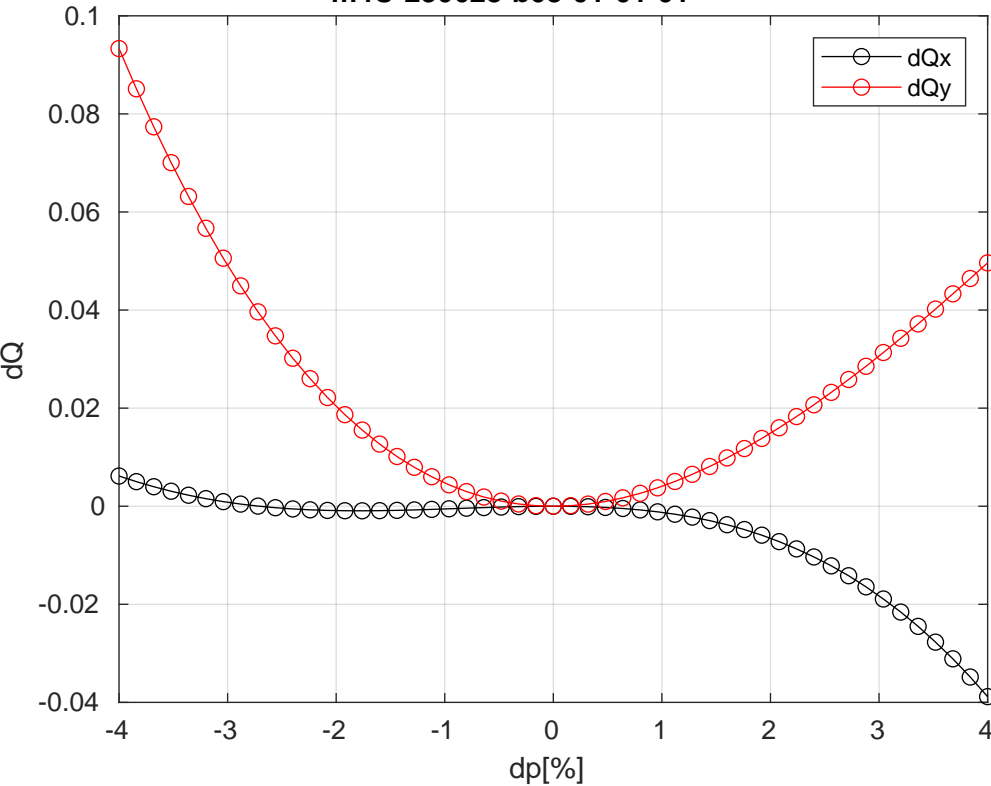
m4U-230628-b03-01-01-01



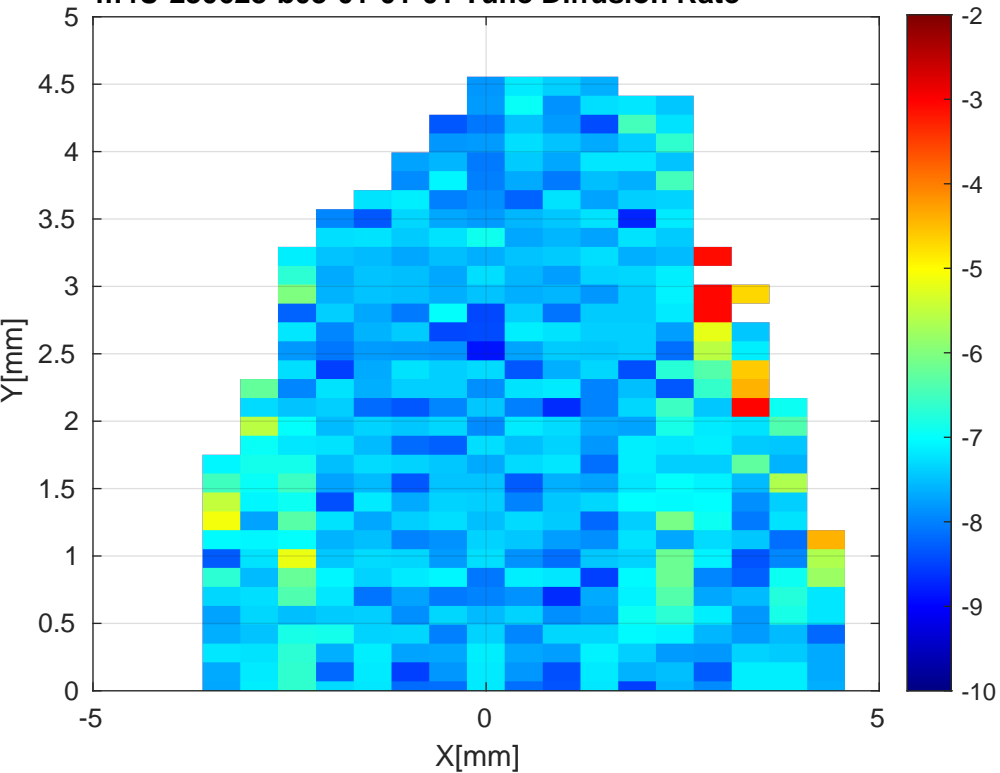
m4U-230628-b03-01-01



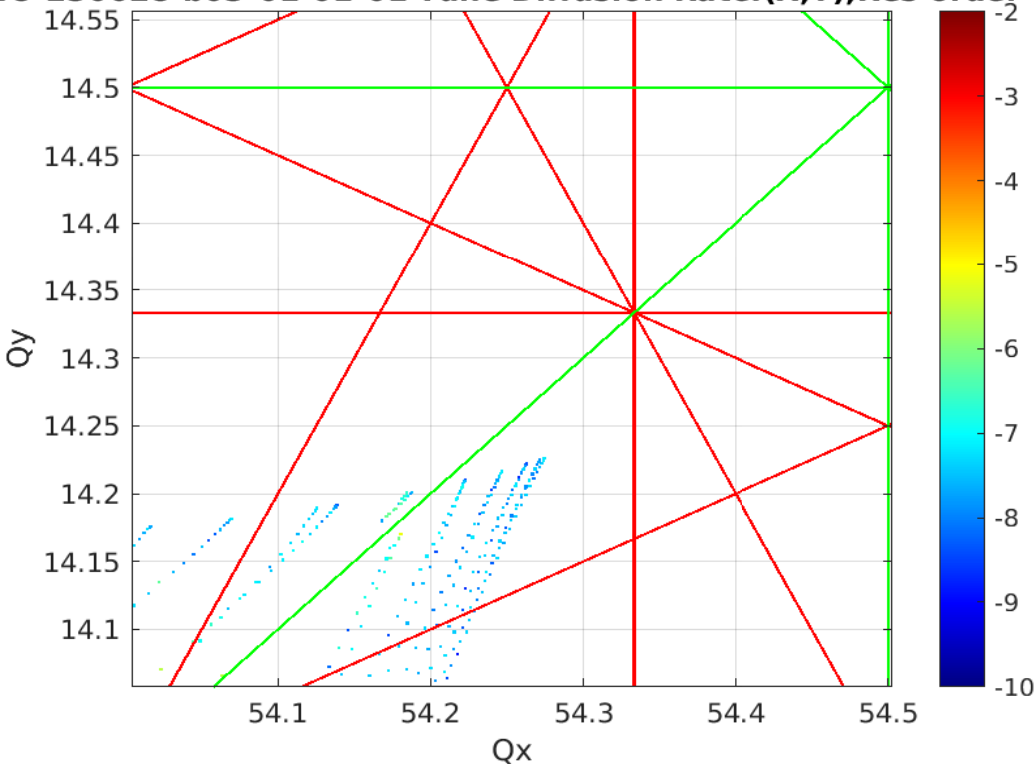
m4U-230628-b03-01-01



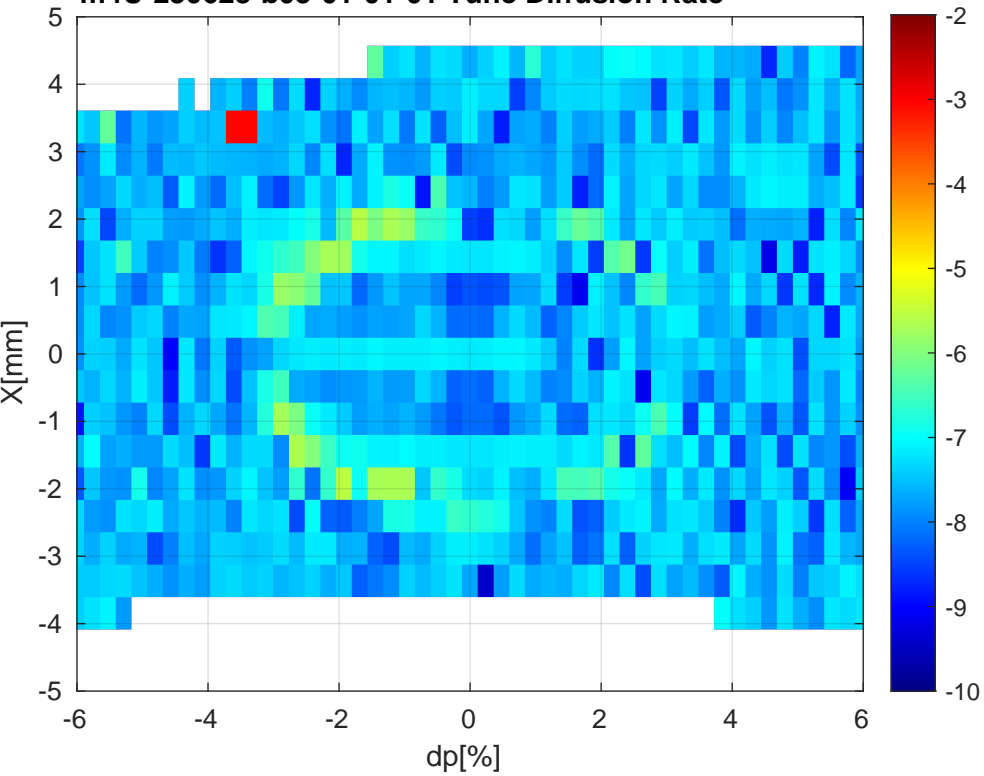
m4U-230628-b03-01-01-01 Tune Diffusion Rate



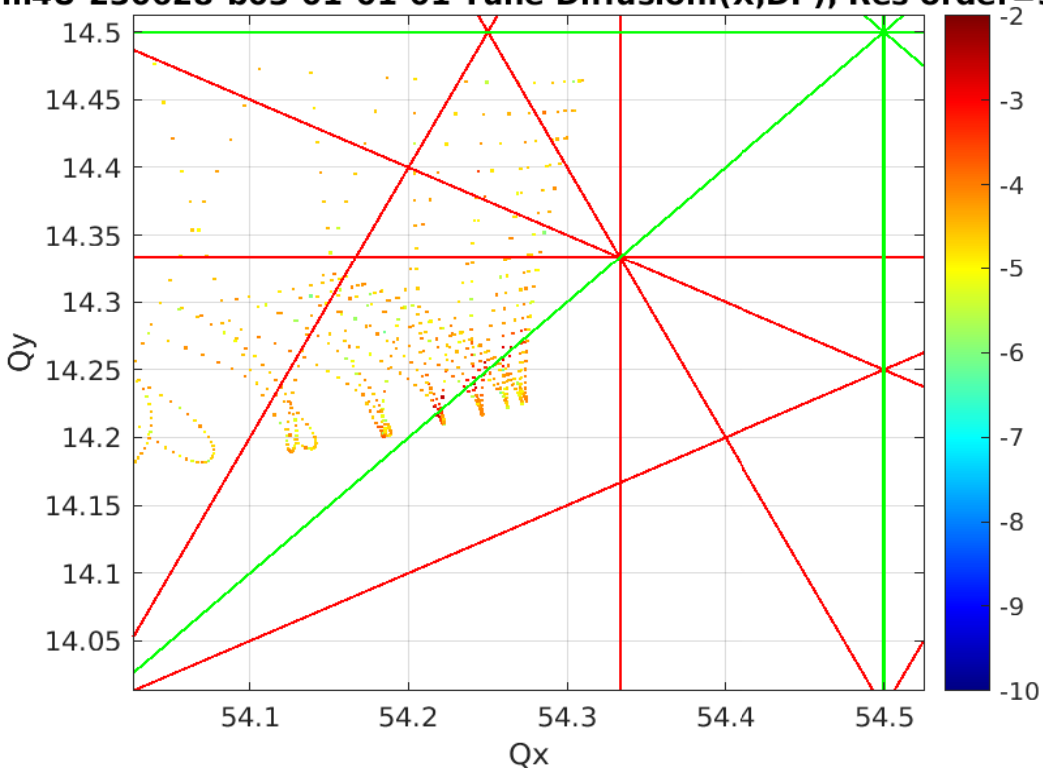
U-230628-b03-01-01-01 Tune Diffusion Rate:(X,Y),Res order=3



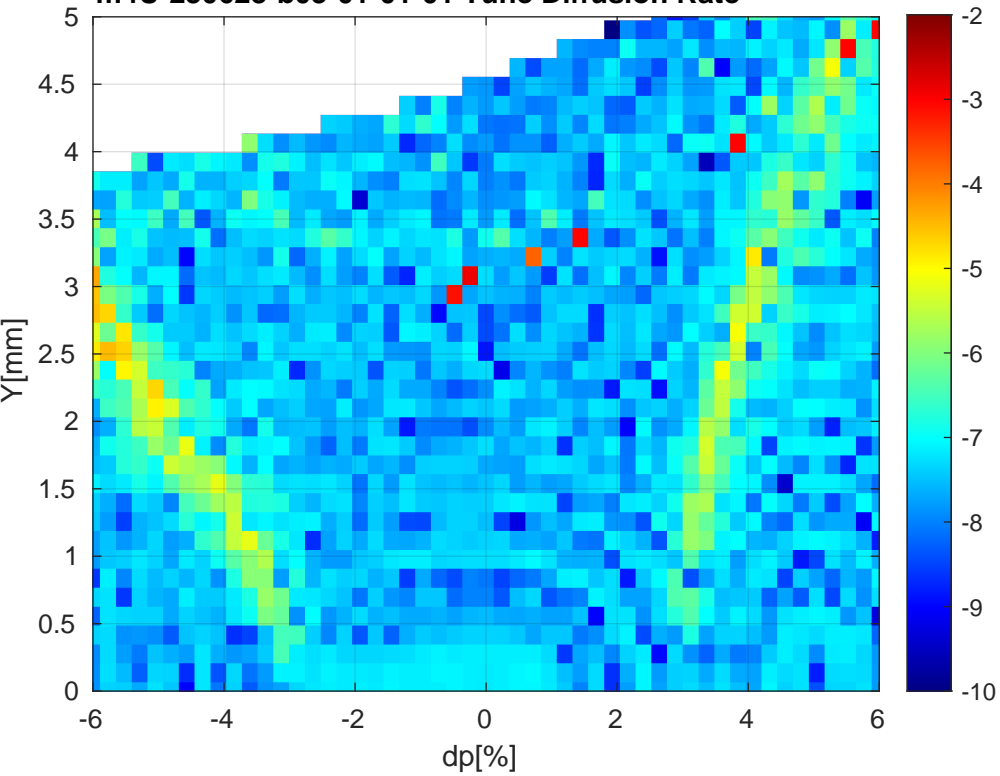
m4U-230628-b03-01-01 Tune Diffusion Rate



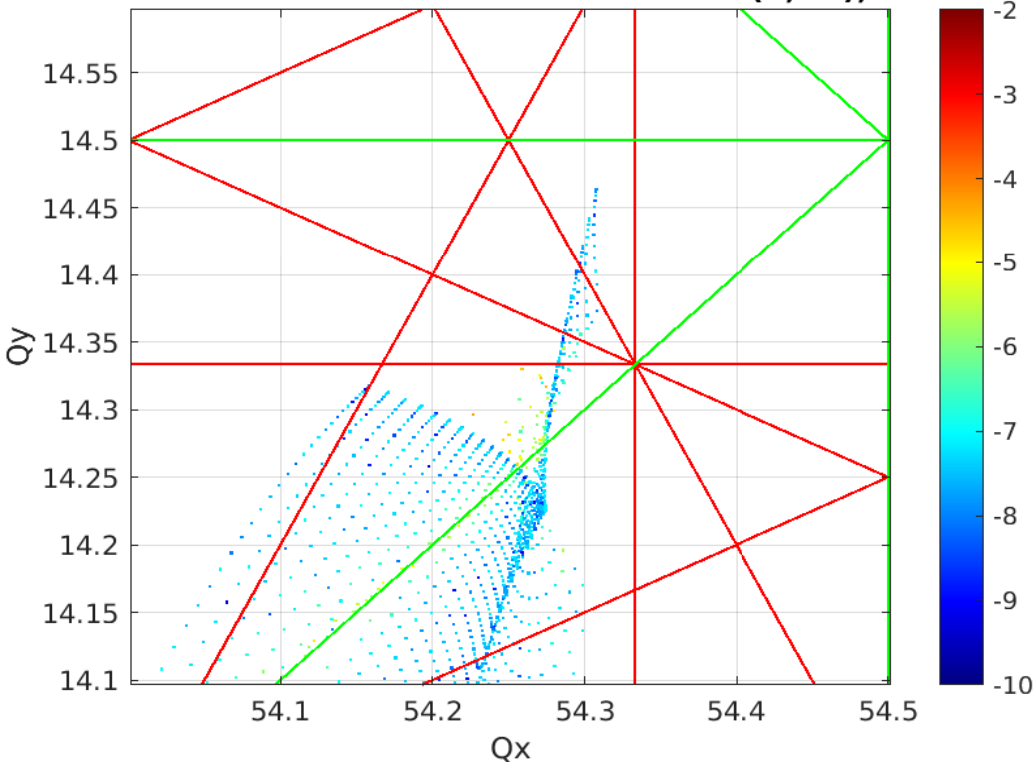
m4U-230628-b03-01-01-01 Tune Diffusion:(X,DP), Res order=3



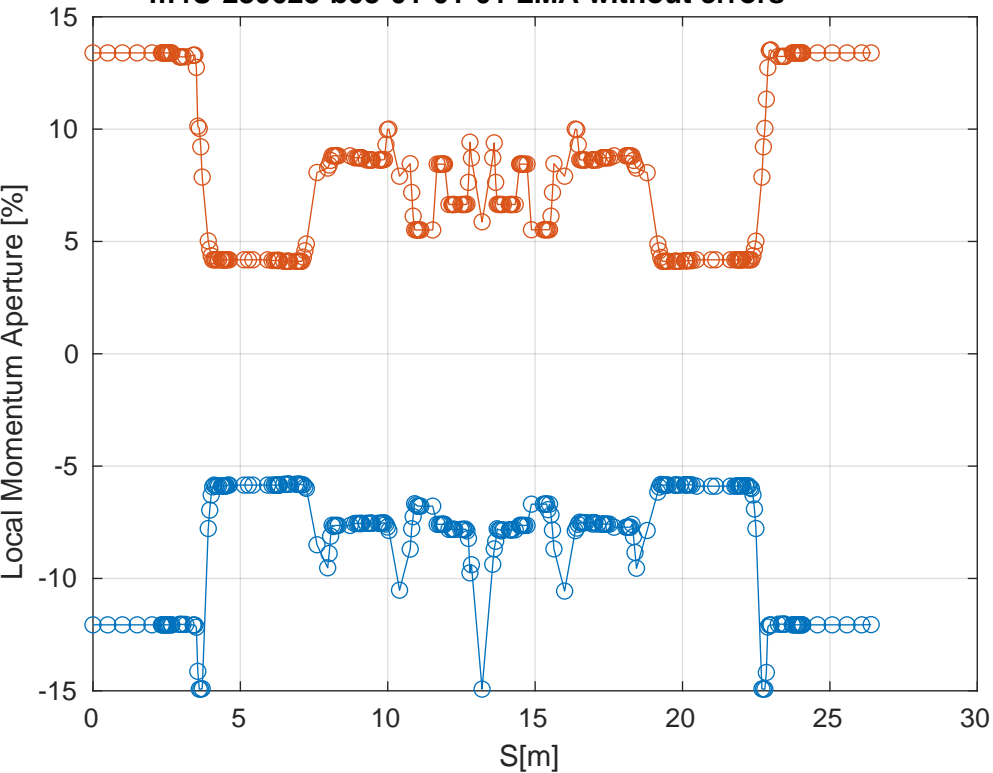
m4U-230628-b03-01-01 Tune Diffusion Rate



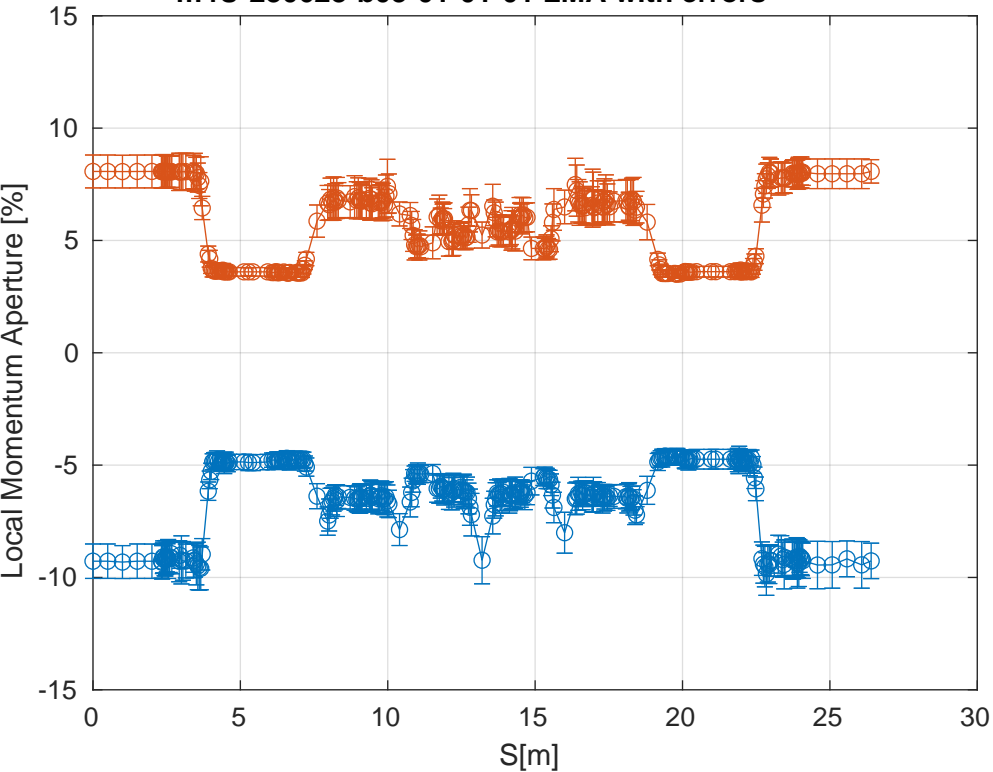
U-230628-b03-01-01 Tune Diffusion Rate:(Y,DP),Res order=3



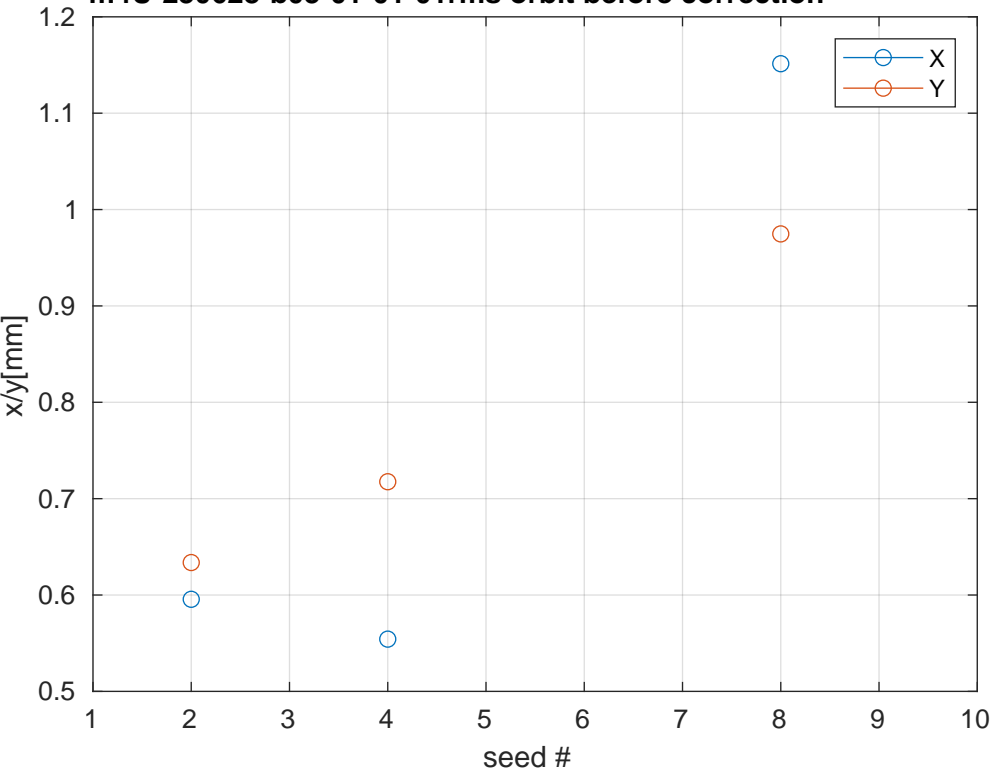
m4U-230628-b03-01-01-01 LMA without errors



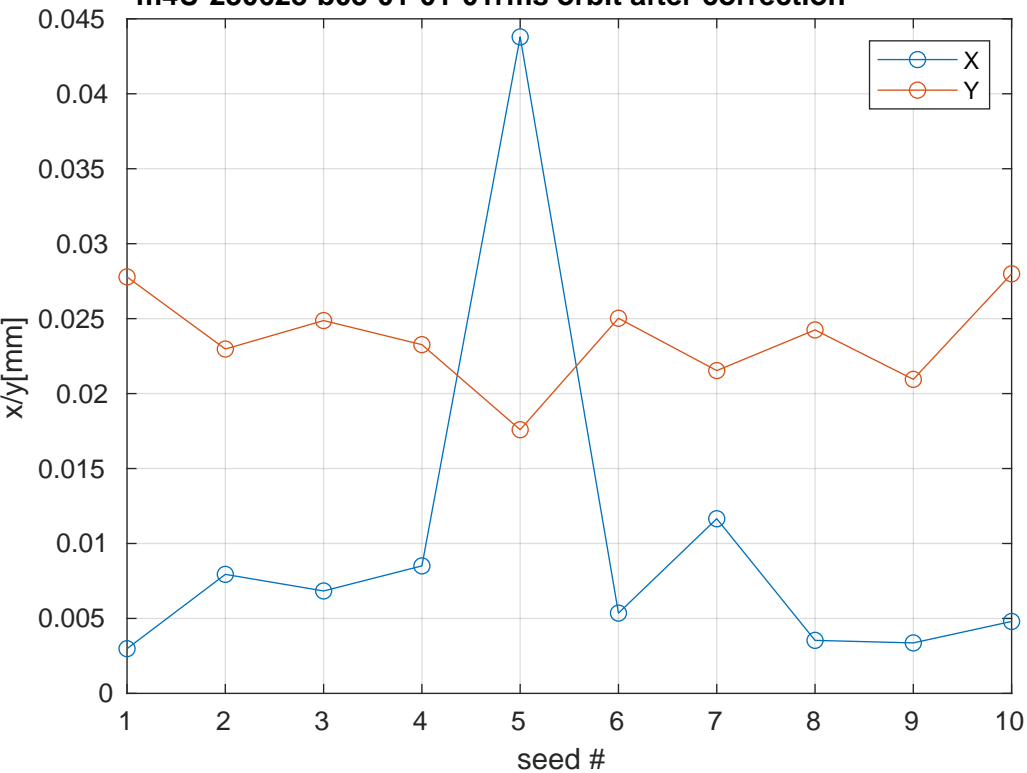
m4U-230628-b03-01-01-01 LMA with errors



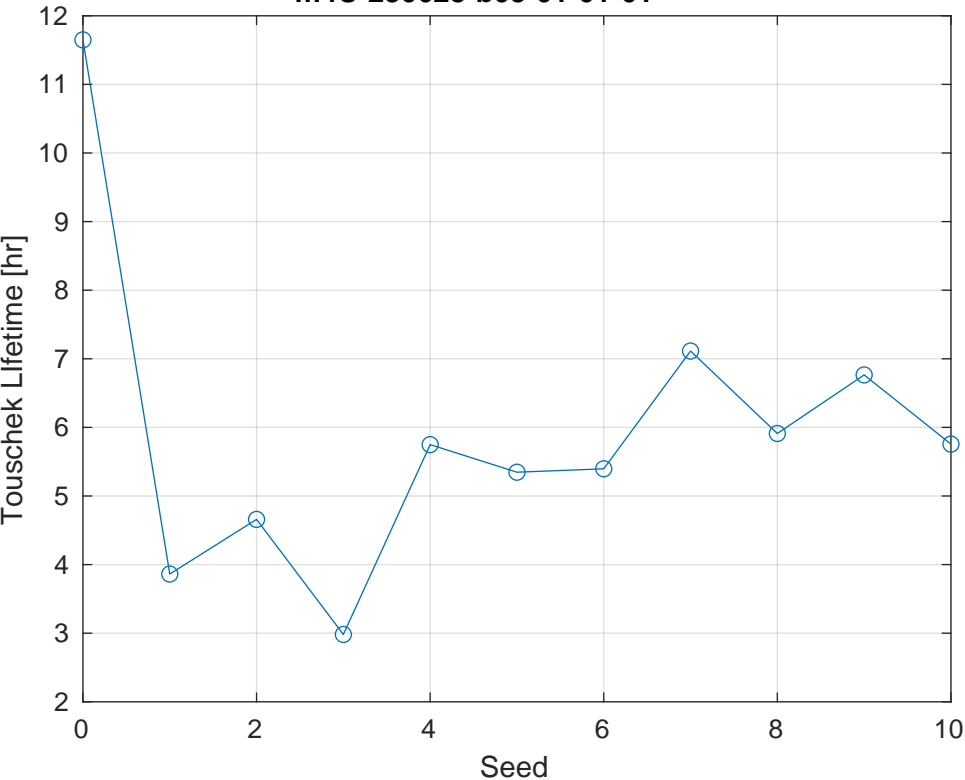
m4U-230628-b03-01-01rms orbit before correction



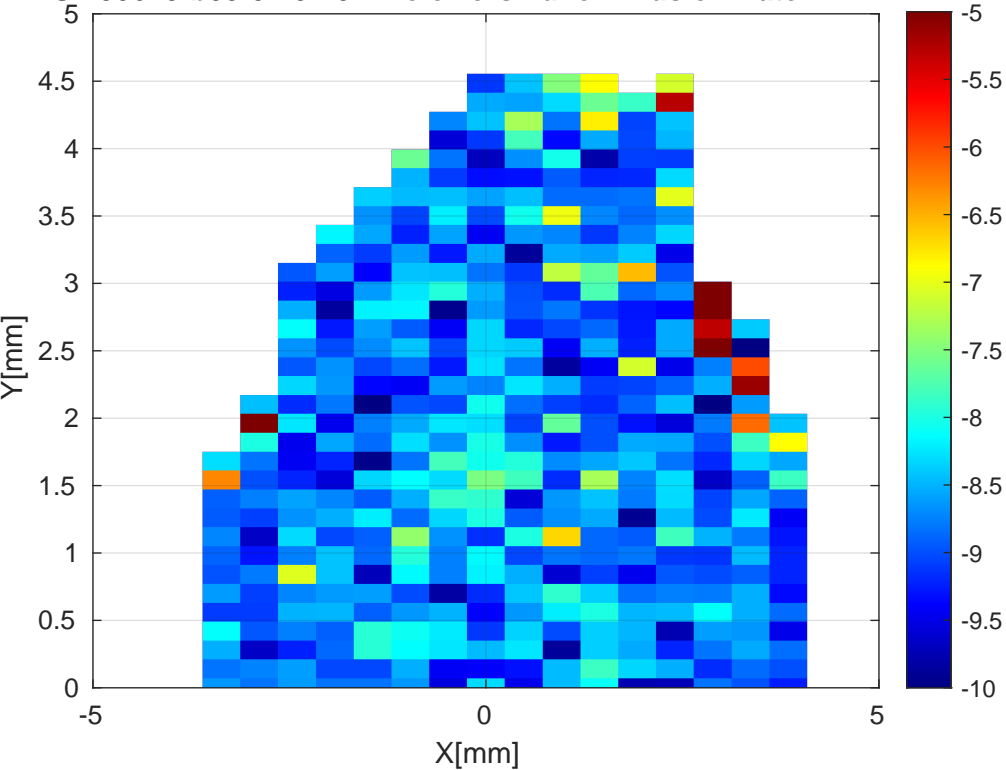
m4U-230628-b03-01-01rms orbit after correction



m4U-230628-b03-01-01



m4U-230628-b03-01-01: no errors Tune Diffusion Rate



m4U-230628-b03-01-01: with errors Tune Diffusion Rate

