Top Jaw Pole Tips

Mean TOP = 5.2710   Regression Line Ang. (mrad) = 0.0121

Pole Tip Num. ---->

Bottom Jaw Pole Tips

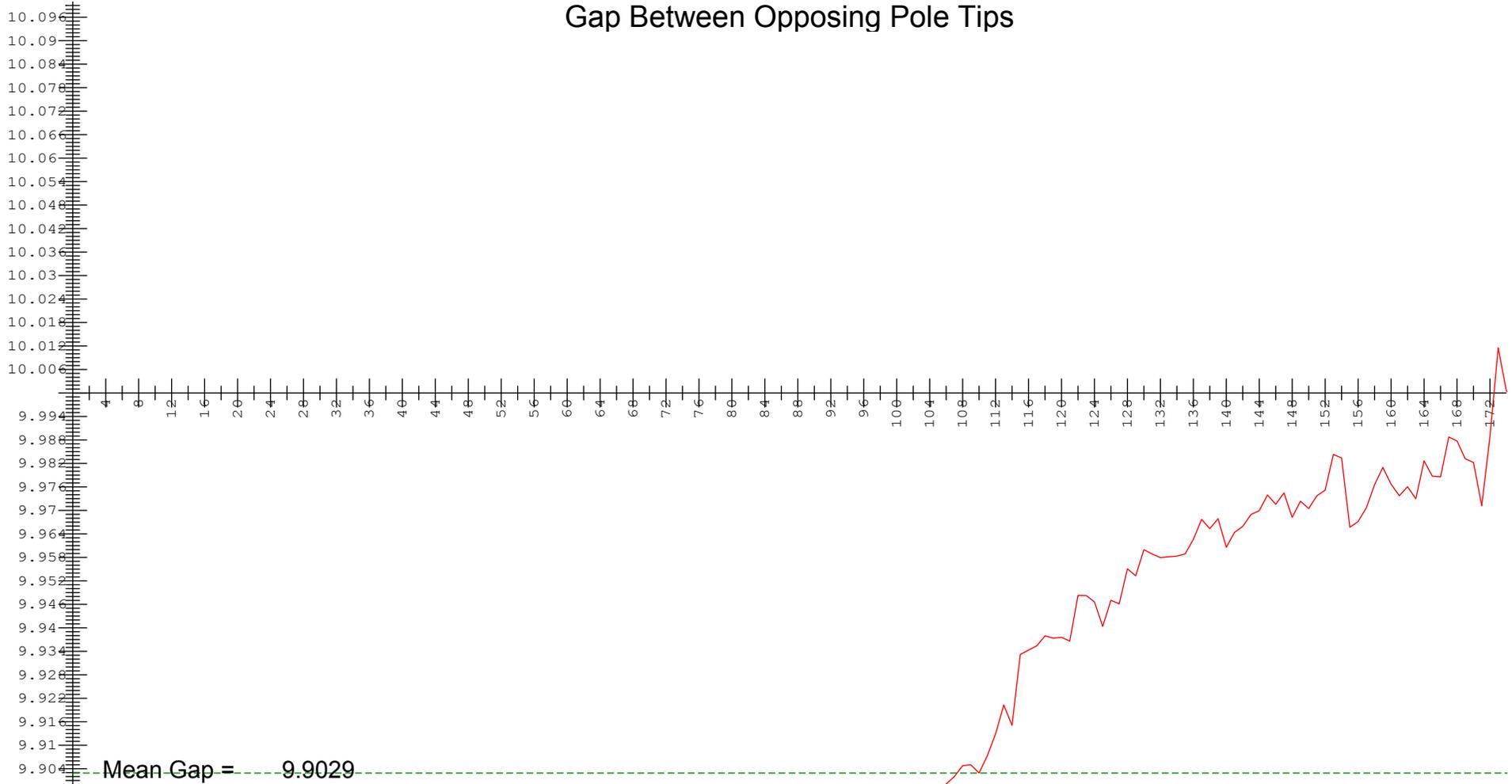Minimum Effective Gap = 9.773

Mean BTM = -4.6319   Regression Line Ang. (mrad) = -0.0605

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points =
Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 10
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

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S/N = 005
D/S= 0001
Run= 03

Gap Between Opposing Pole Tips

Mean Gap = 9.9029

Step Between Measured Pole Tips = 1

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 10

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000
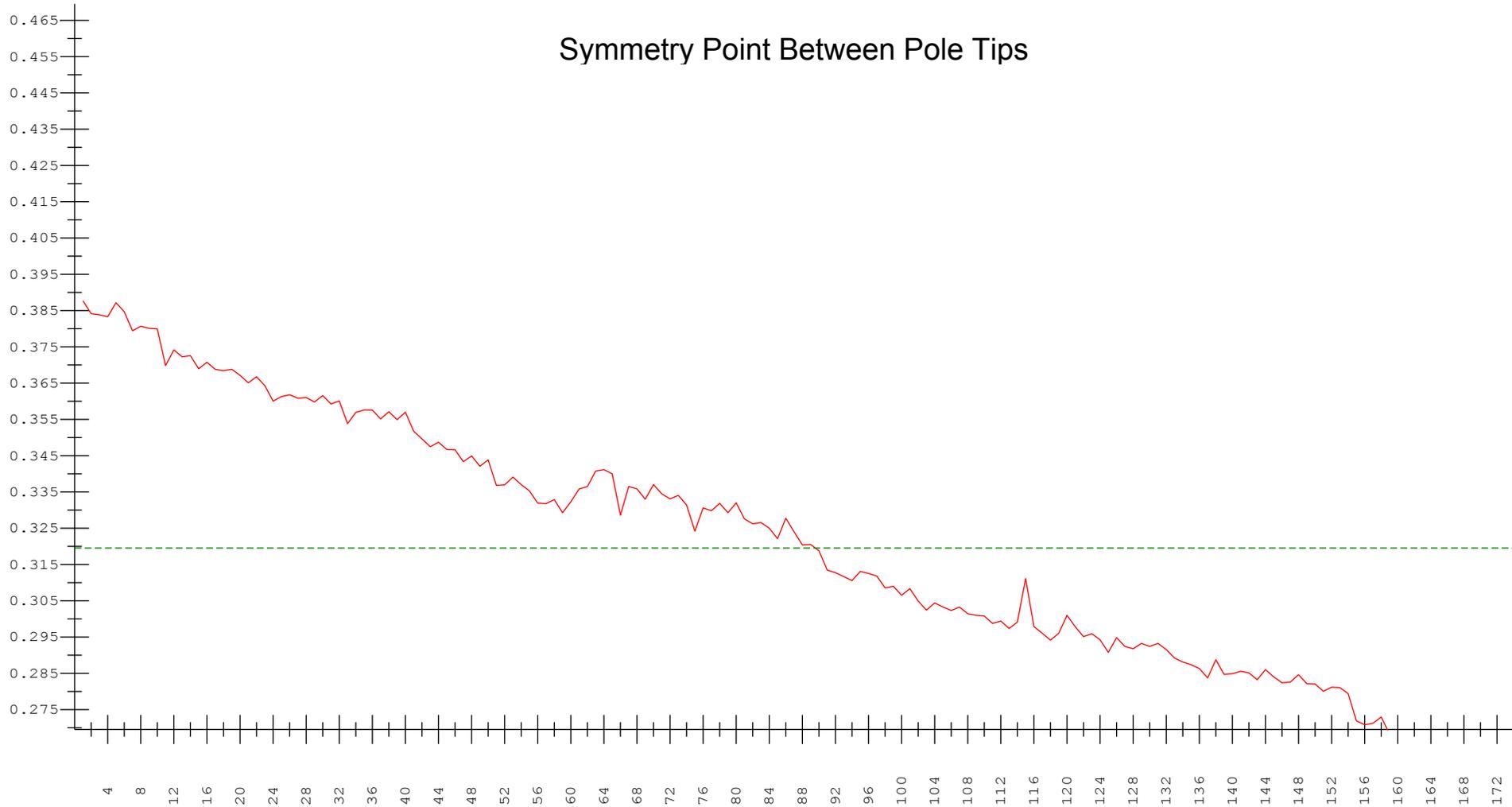
05-FEB-2018
S/N = 005
D/S= 0001
Run= 03

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.3195

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

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Run=   03

Top and Bottom Jaw
Regression Line Intersect Points

Jaw	First Pole (Pole 1)	US Actuator (Pole 39)	DS Actuator (Pole 135)	Last Pole (Pole 174)
Top	5.2915	5.2825	5.2597	5.2505
Bottom	-4.5299	-4.5747	-4.6879	-4.7339

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2710	-4.6319	9.9029	0.3195

Additional Calculated Values

Bottom Pole #1 Z Value	979.331
Top Jaw Pitch (mrad)	0.012
Bottom Jaw Pitch(mrad)	-0.060
Minimum Effective Gap	9.773
Reference Block Gap	6.808

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

05-FEB-2018
S/N = 005
D/S= 0001
Run= 03