Top Jaw Pole Tips

Y Dev. from Mean

Mean TOP = 5.0889   Regression Line Ang. (mrad) = 0.0023

Pole Tip Num. ---->

Minimum Effective Gap = 9.936

Bottom Jaw Pole Tips

Y Dev. from Mean

Mean BTM = -4.9184   Regression Line Ang. (mrad) = 0.0033

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

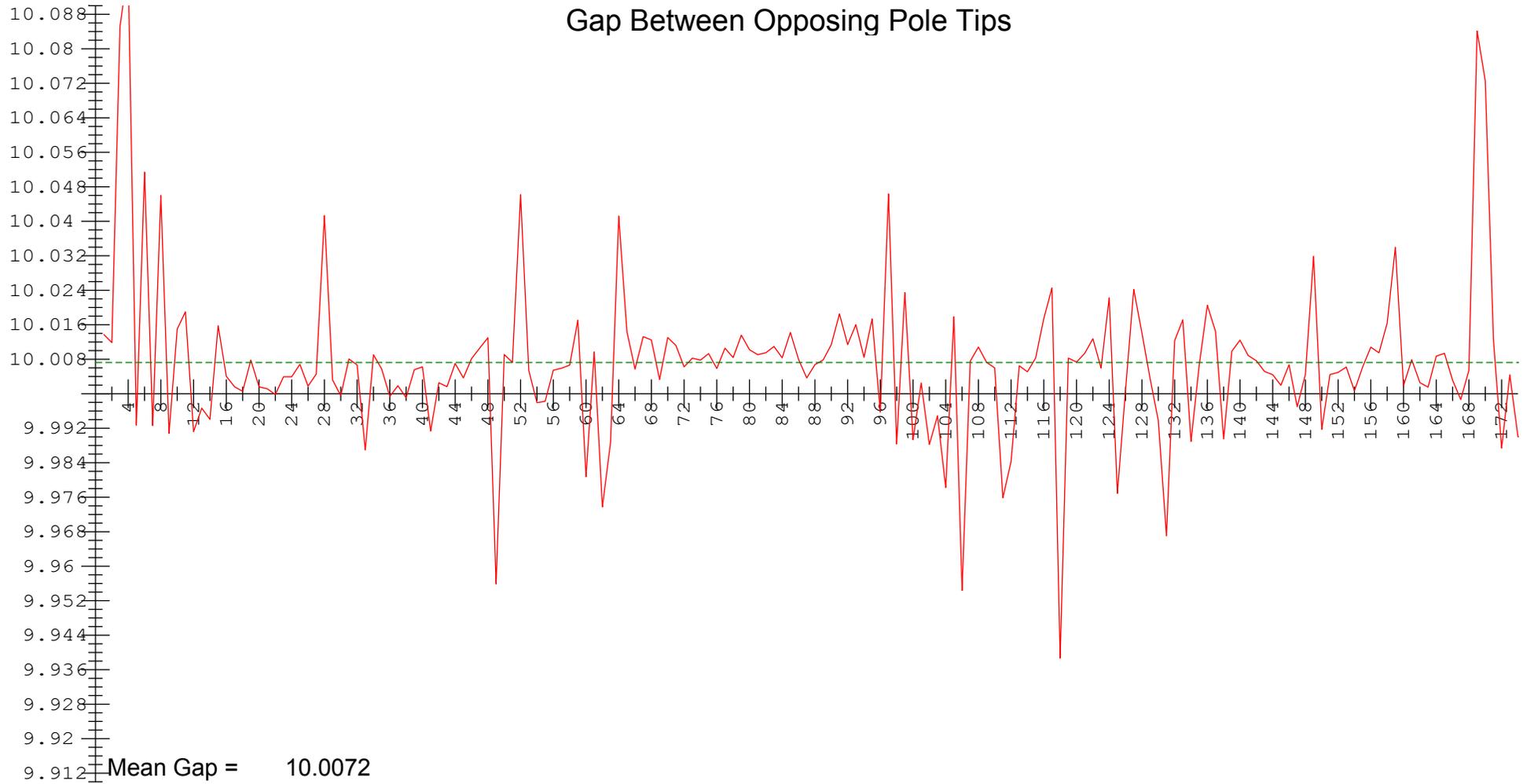Regression Line Through Points = ------
Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

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S/N = 012
D/S= 0001
Run= 20

Gap Between Opposing Pole Tips

Mean Gap =   10.0072
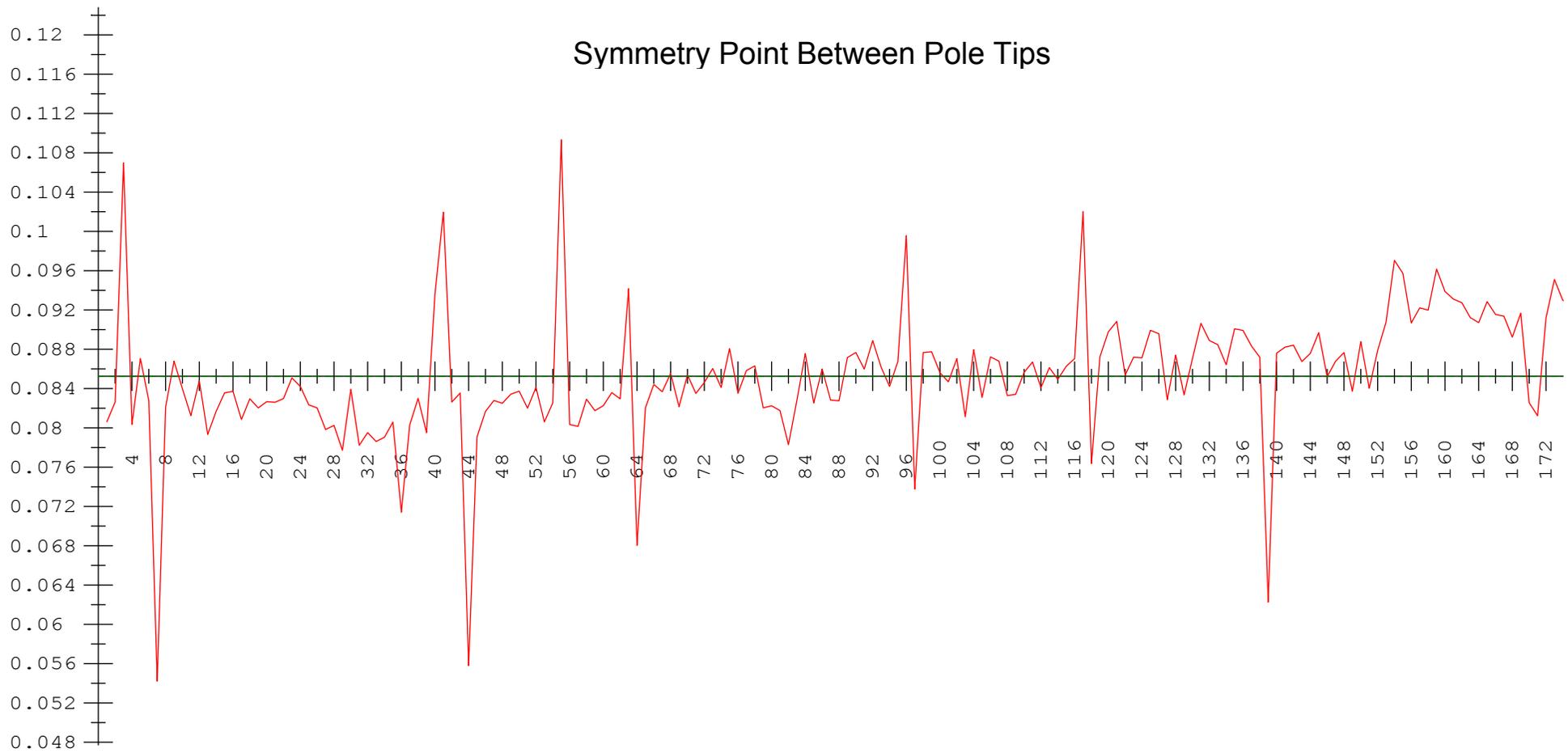
Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

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

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Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0853

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

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

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Run=   20

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	5.0850	5.0867	5.0910	5.0928
Bottom	-4.9240	-4.9215	-4.9153	-4.9128
Gap	10.0089			10.0056
Taper				-0.0034

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0889	-4.9184	10.0072	0.0853

Additional Calculated Values

Bottom Pole #1 Z Value	979.816
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.003
Minimum Effective Gap	9.936
Reference Block Gap	6.810

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

03-JUL-2018
S/N = 012
D/S= 0001
Run= 20