Top Jaw Pole Tips

Mean TOP =   4.9733   Regression Line Ang. (mrad) =   0.0175

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap =   9.864

Mean BTM =   -4.9664   Regression Line Ang. (mrad) =   -0.0049

Y Value Scales Centered on Mean Values   Regression Line Through Points =‒ ‒ ‒ ‒ ‒
Step Between Measured Pole Tips =   1   Dimensions in mm

SLAC
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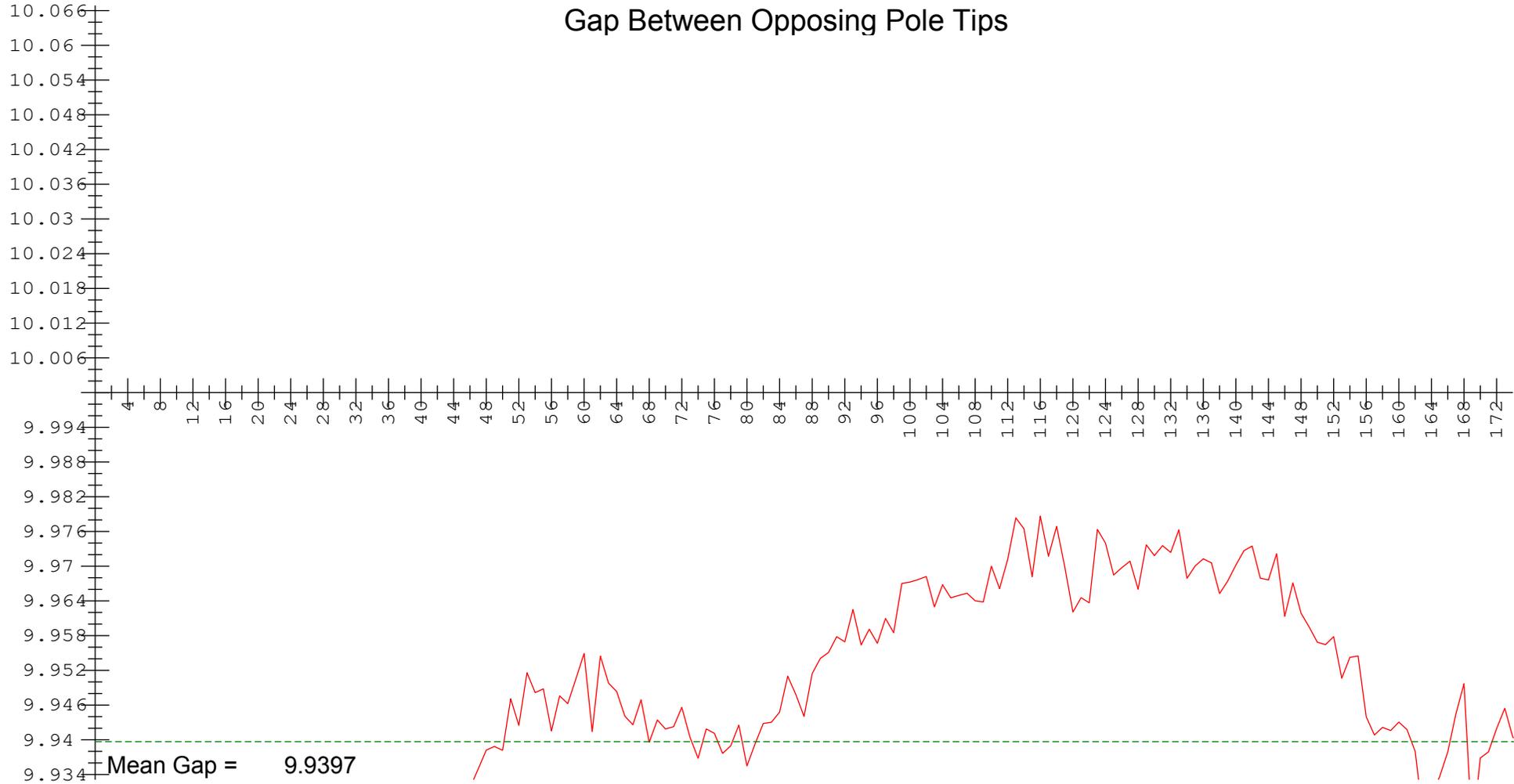METROLOGY

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 =   019
D/S=   0001
Run=   1

Gap Between Opposing Pole Tips

Mean Gap =   9.9397

Step Between Measured Pole Tips =   1
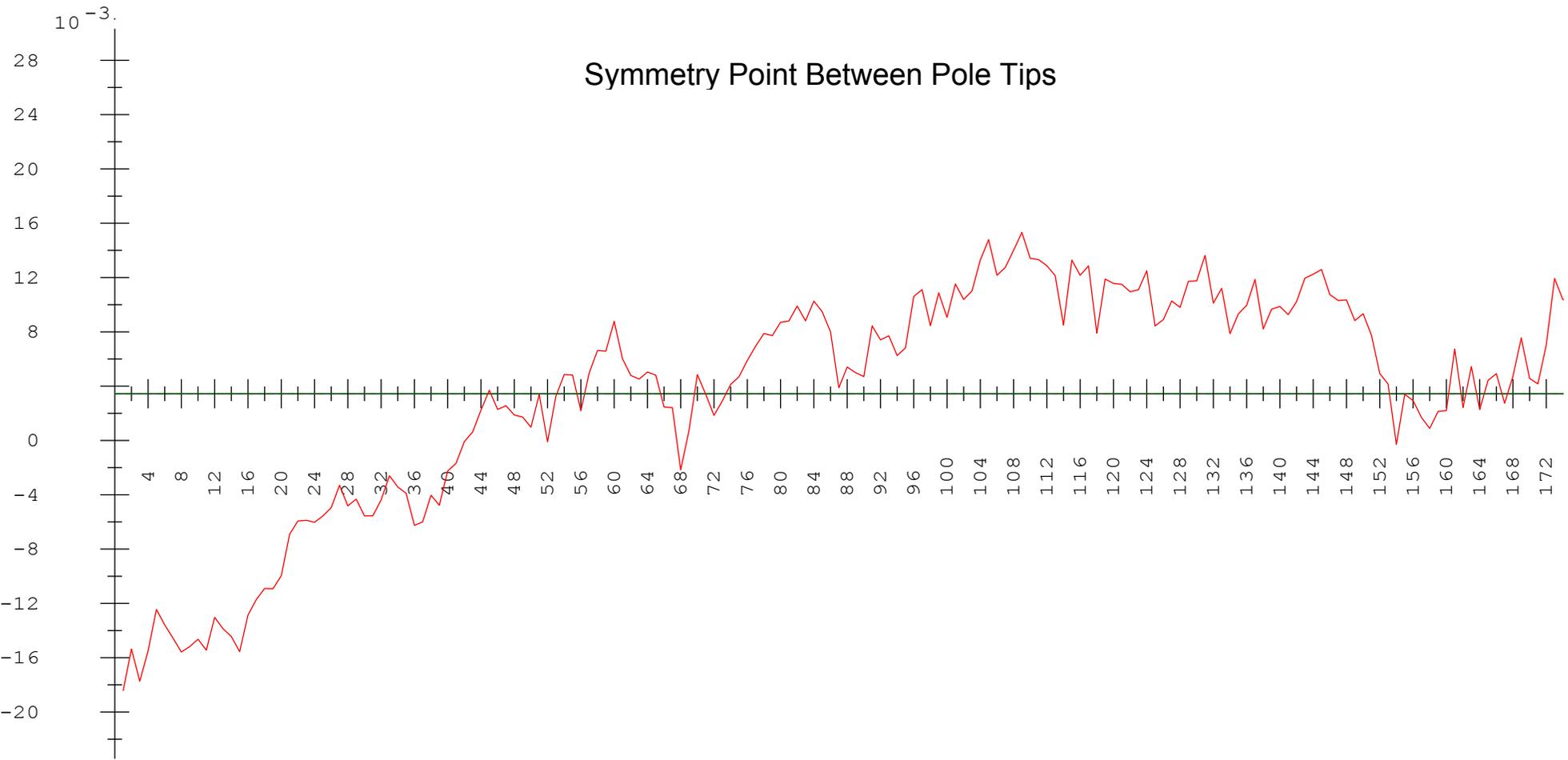
Dimensions in mm

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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METROLOGY

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S/N =   019
D/S=   0001
Run=   1

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0034

Step Between Measured Pole Tips =   1

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

18-JAN-2019
S/N =   019
D/S=   0001
Run=   1

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	4.9438	4.9568	4.9894	5.0027
Bottom	-4.9581	-4.9618	-4.9709	-4.9747
Gap	9.9020			9.9774
Taper				0.0754

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9733	-4.9664	9.9397	0.0034

Additional Calculated Values

Bottom Pole #1 Z Value	980.265
Top Jaw Pitch (mrad)	0.017
Bottom Jaw Pitch(mrad)	-0.005
Minimum Effective Gap	9.864
Reference Block Gap	6.805

Dimensions in mm

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METROLOGY

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

18-JAN-2019
S/N =   019
D/S=   0001
Run=   1