Top Jaw Pole Tips

Mean TOP = 5.0137   Regression Line Ang. (mrad) =   0.0028

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   9.969

Mean BTM = -4.9956   Regression Line Ang. (mrad) =   0.0024

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

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METROLOGY

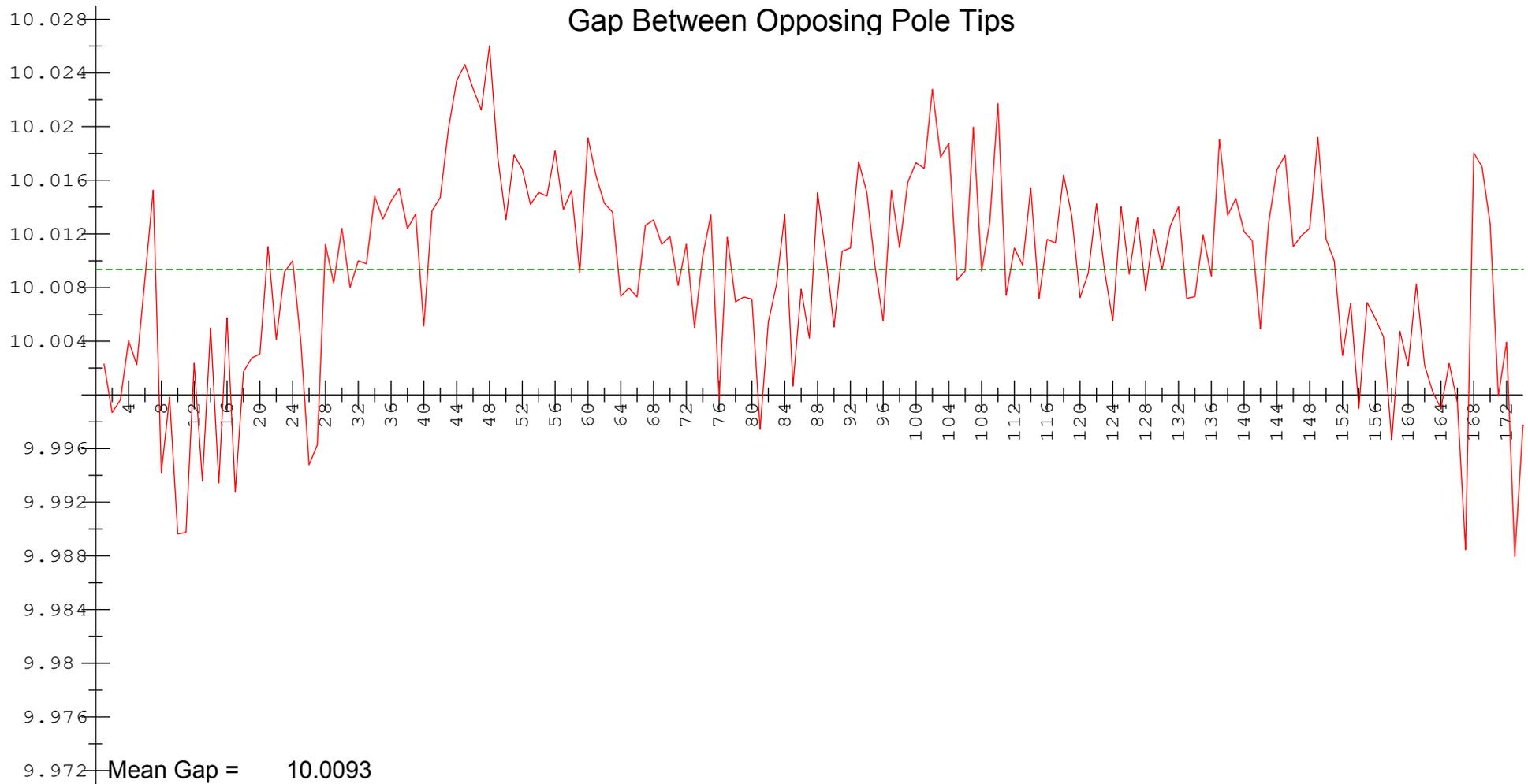**LCLS II - SXR Undulator**

Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

19-JUL-2018
S/N =   013
D/S=   0001
Run=   18

Gap Between Opposing Pole Tips

Mean Gap =   10.0093

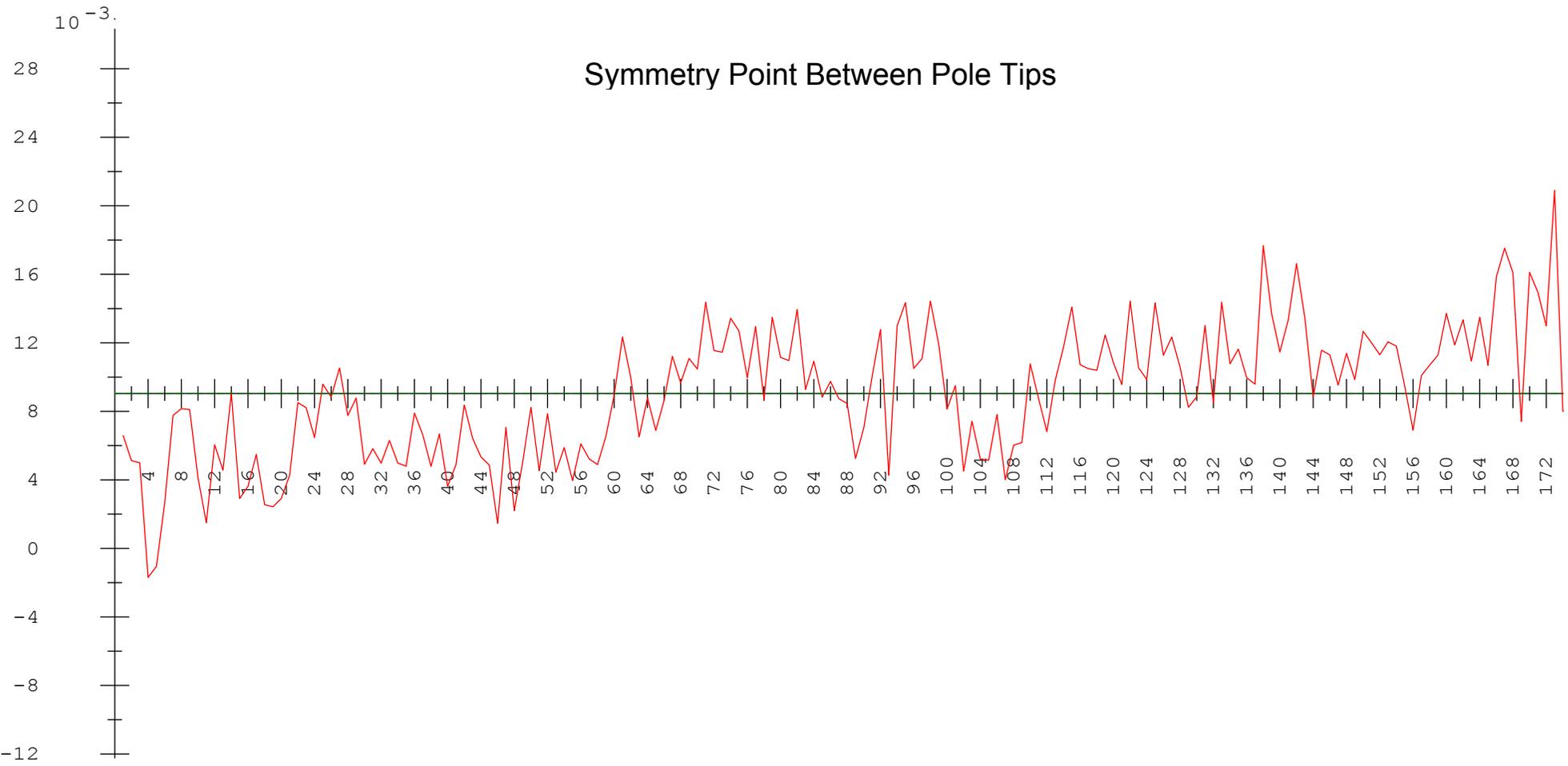Step Between Measured Pole Tips =   1

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

19-JUL-2018
S/N =   013
D/S=   0001
Run=   18

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0090

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

19-JUL-2018
S/N =   013
D/S=   0001
Run=   18

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	5.0091	5.0111	5.0163	5.0184
Bottom	-4.9998	-4.9979	-4.9934	-4.9915
Gap	10.0088			10.0099
Taper				0.0011

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0137	-4.9956	10.0093	0.0090

Additional Calculated Values

Bottom Pole #1 Z Value	979.775
Top Jaw Pitch (mrad)	0.003
Bottom Jaw Pitch(mrad)	0.002
Minimum Effective Gap	9.969
Reference Block Gap	6.806

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

19-JUL-2018
S/N = 013
D/S= 0001
Run= 18