Top Jaw Pole Tips

Mean TOP = 5.0847   Regression Line Ang. (mrad) = 0.0036

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap = 9.923

Mean BTM = -4.9230   Regression Line Ang. (mrad) = 0.0020

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

Gap Between Opposing Pole Tips

Mean Gap =   10.0077

Step Between Measured Pole Tips =   1

Dimensions in mm

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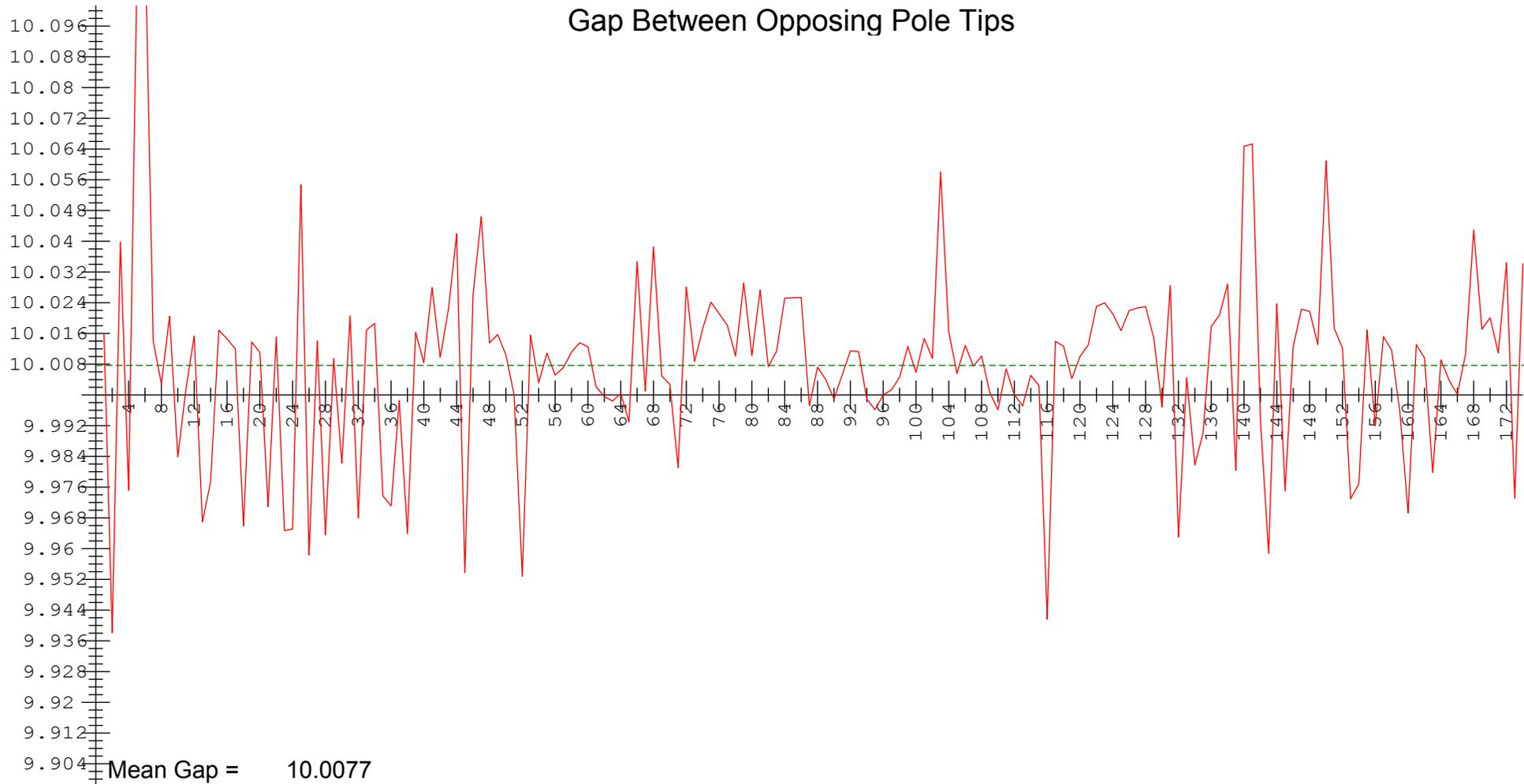METROLOGY

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

04-JUN-2018
S/N =   010
D/S=   0001
Run=   18

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0808

Step Between Measured Pole Tips =   1
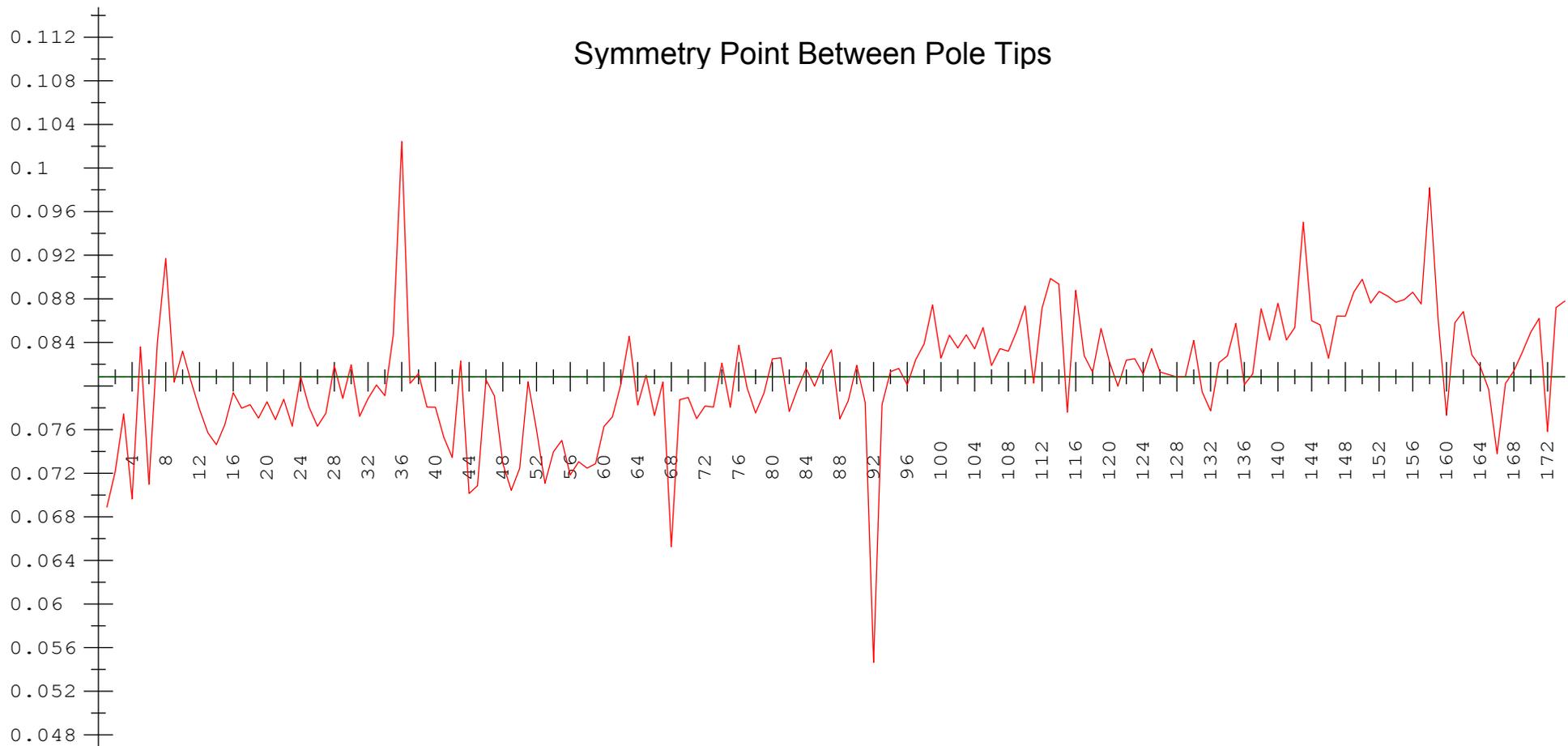
Dimensions in mm

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 =   010
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	5.0786	5.0813	5.0880	5.0907
Bottom	-4.9264	-4.9249	-4.9211	-4.9196
Gap	10.0051			10.0103
Taper				0.0052

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0847	-4.9230	10.0077	0.0808

Additional Calculated Values

Bottom Pole #1 Z Value	979.750
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	0.002
Minimum Effective Gap	9.923
Reference Block Gap	6.807

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

04-JUN-2018
S/N = 010
D/S= 0001
Run= 18