Top Jaw Pole Tips

10^{-3}

Y Dev. from Mean

Mean TOP = 5.0890   Regression Line Ang. (mrad) = 0.0021

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap = 9.985

10^{-3}

Y Dev. from Mean

Mean BTM = -4.9186   Regression Line Ang. (mrad) = 0.0006

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

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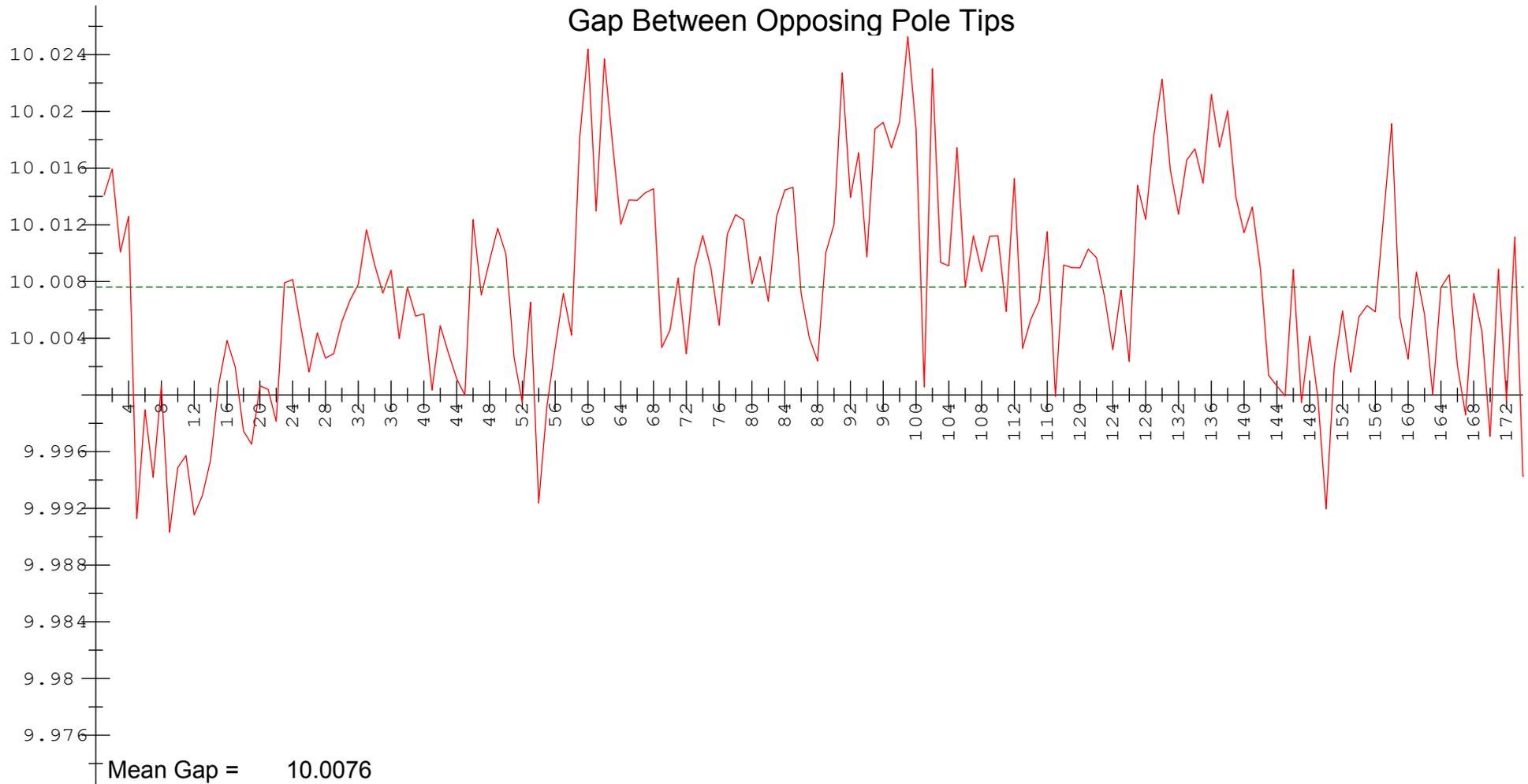METROLOGY

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

22-JUN-2018
S/N = 012
D/S = 0001
Run = 4

Gap Between Opposing Pole Tips

Mean Gap =   10.0076

Step Between Measured Pole Tips =   1
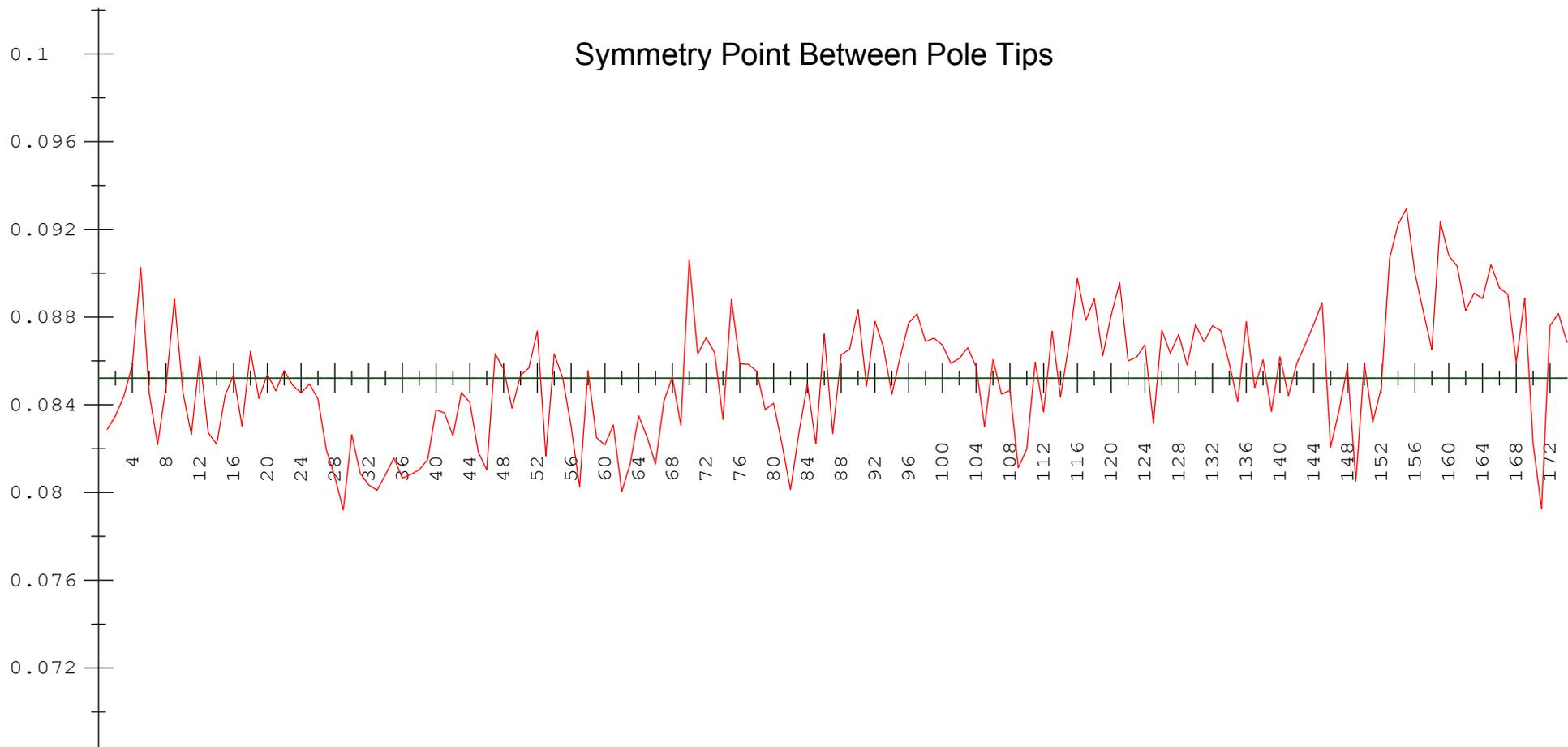
Dimensions in mm

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

22-JUN-2018
S/N =   012
D/S=   0001
Run=   4

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0852

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

22-JUN-2018
S/N =   012
D/S=   0001
Run=   4

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	5.0854	5.0870	5.0910	5.0926
Bottom	-4.9196	-4.9192	-4.9180	-4.9176
Gap	10.0050			10.0102
Taper				0.0052

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0890	-4.9186	10.0076	0.0852

Additional Calculated Values

Bottom Pole #1 Z Value	979.792
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.001
Minimum Effective Gap	9.985
Reference Block Gap	6.808

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

22-JUN-2018
S/N = 012
D/S= 0001
Run= 4