Top Jaw Pole Tips

Y Dev. from Mean

10^{-3}

Mean TOP =   5.0897   Regression Line Ang. (mrad) =   0.0000

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   9.986

Y Dev. from Mean

10^{-3}

Mean BTM =   -4.9554   Regression Line Ang. (mrad) =   0.0206

Y Value Scales Centered on Mean Values

Regression Line Through Points =

Step Between Measured Pole Tips =   1

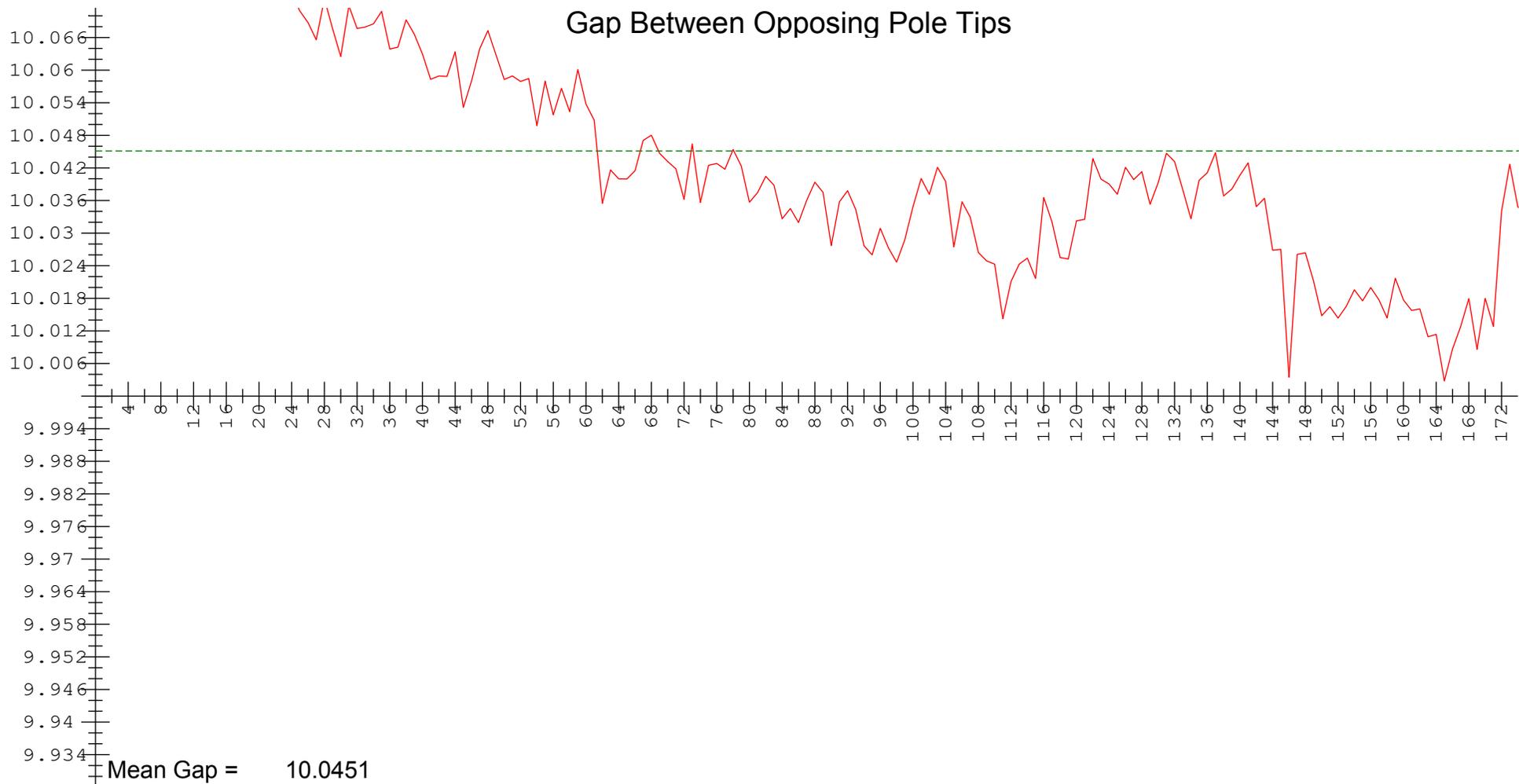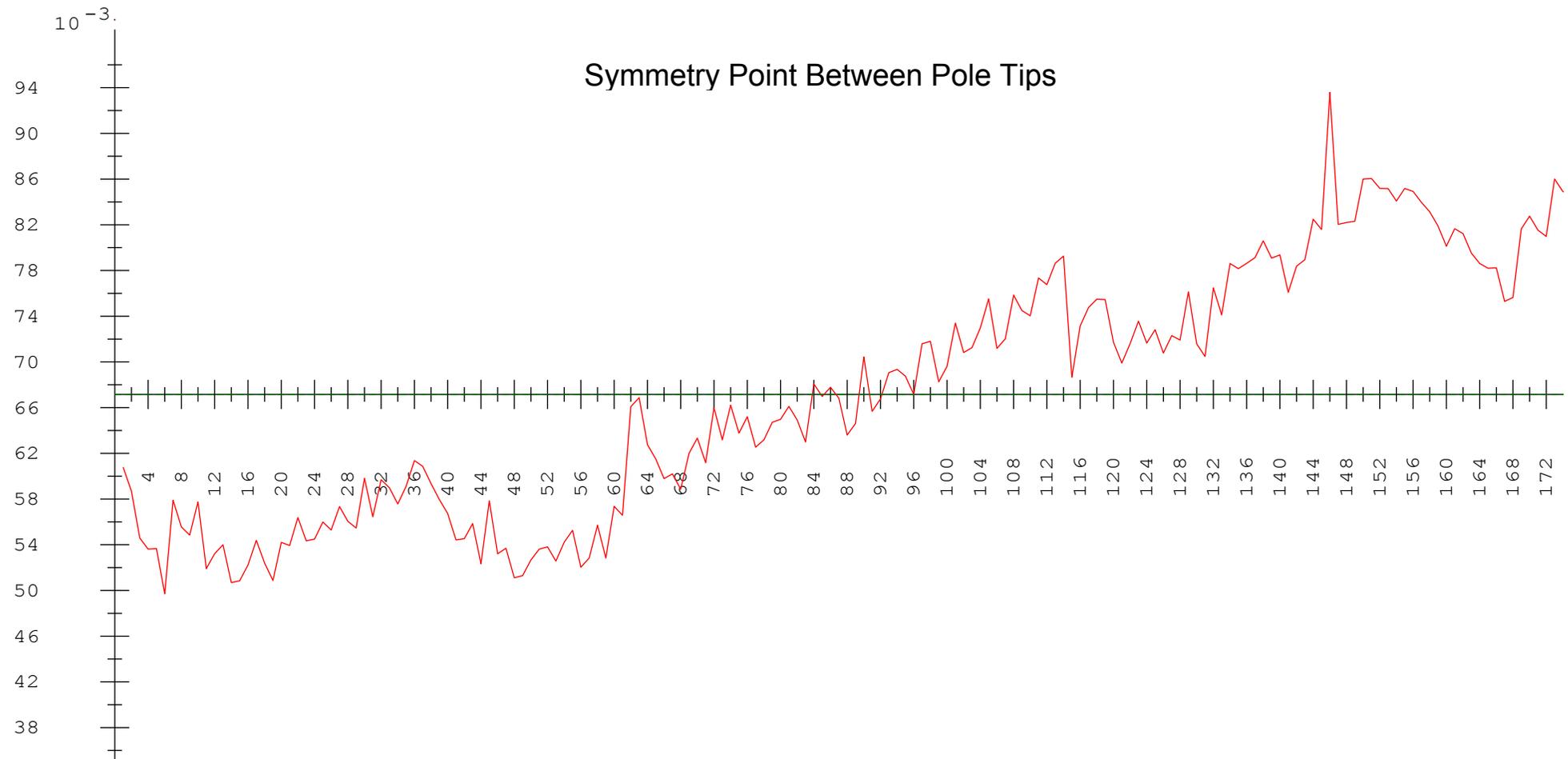Dimensions in mm

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

16-MAY-2018
S/N =   010
D/S=   0001
Run=   3

Gap Between Opposing Pole Tips

Mean Gap =   10.0451

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

16-MAY-2018
S/N =   010
D/S=   0001
Run=   3

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0672

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

16-MAY-2018
S/N =   010
D/S=   0001
Run=   3

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	5.0897	5.0897	5.0897	5.0898
Bottom	-4.9902	-4.9749	-4.9363	-4.9206
Gap	10.0799			10.0104
Taper				-0.0695

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0897	-4.9554	10.0451	0.0672

Additional Calculated Values

Bottom Pole #1 Z Value	979.704
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	0.021
Minimum Effective Gap	9.986
Reference Block Gap	6.802

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

16-MAY-2018
S/N = 010
D/S = 0001
Run = 3