Top Jaw Pole Tips

10^{-3}

Y Dev. from Mean

Mean TOP =   5.0219   Regression Line Ang. (mrad) =   0.0096

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   9.960

10^{-3}

Y Dev. from Mean

Mean BTM =   -5.0228   Regression Line Ang. (mrad) =   -0.0200

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   1

Regression Line Through Points =

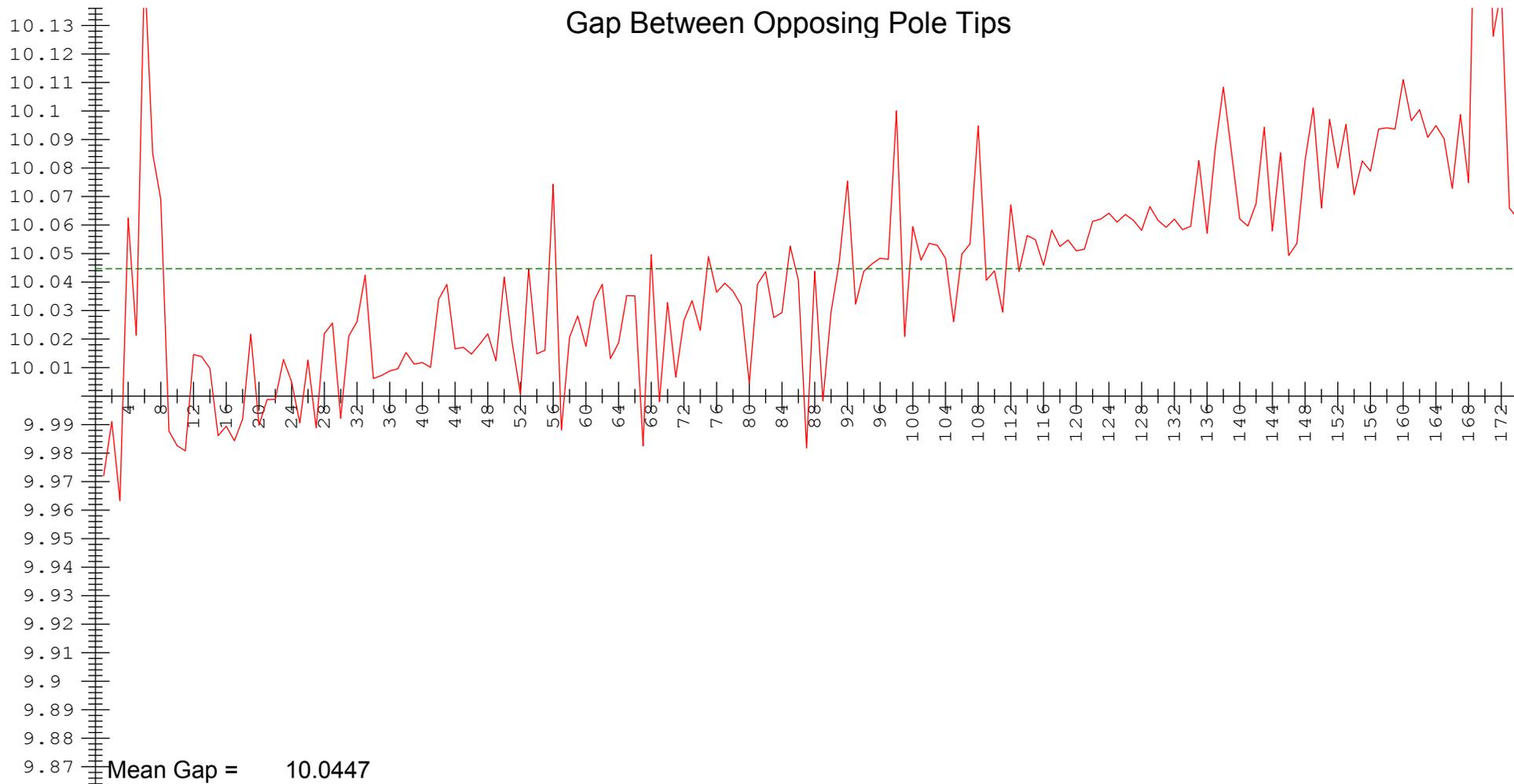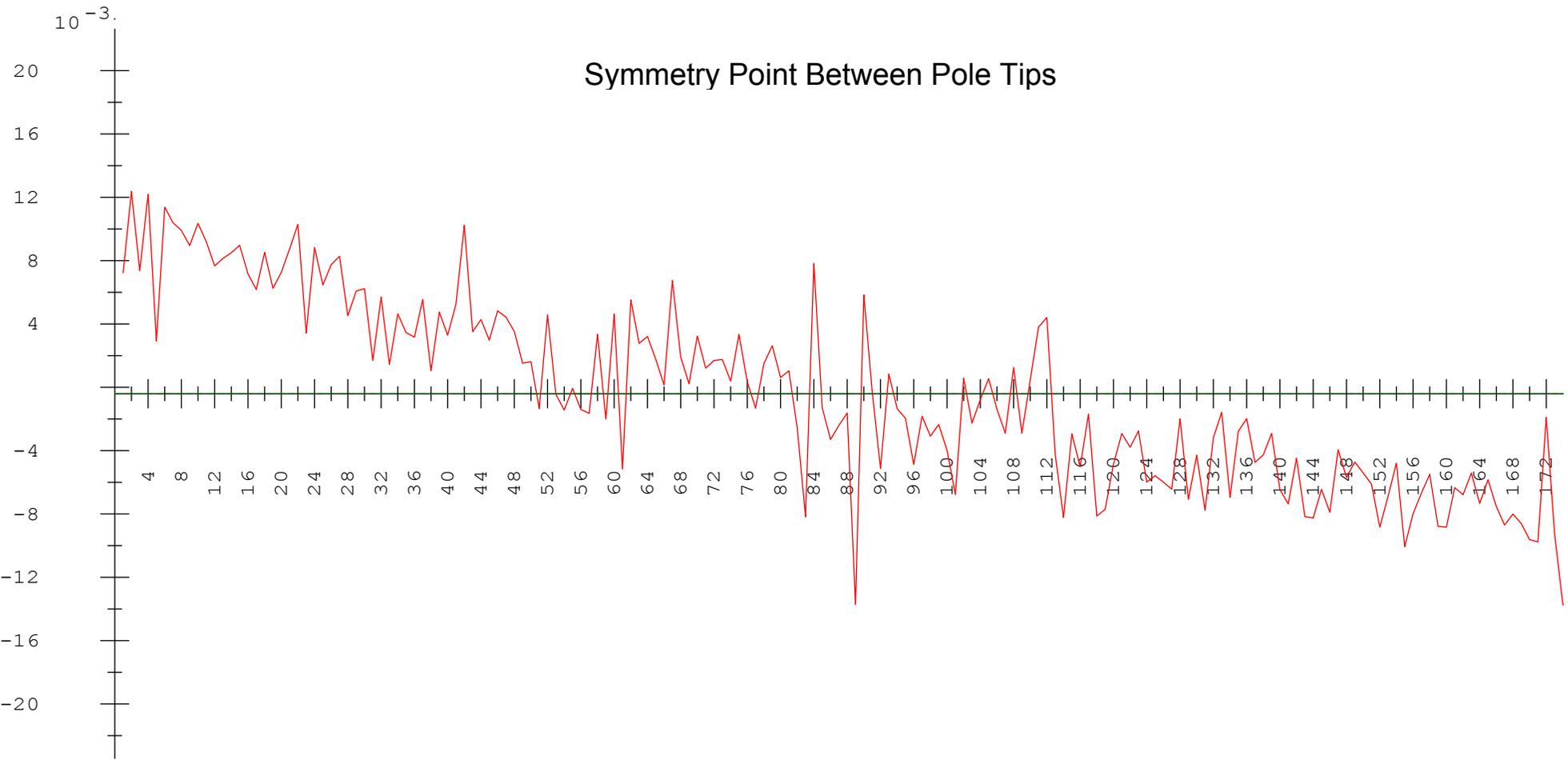Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.100

Gap Reading = 10.0500   US Encoder = 10.0000   DS Encoder = 10.1001

07-SEP-2018
S/N =   014
D/S=   0001
Run=   16

Gap Between Opposing Pole Tips

Mean Gap =   10.0447

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.100

Gap Reading = 10.0500   US Encoder = 10.0000   DS Encoder = 10.1001

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Run=   16

Symmetry Point Between Pole Tips

Mean Symmetry Value =   -0.0004

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.100
Gap Reading = 10.0500   US Encoder = 10.0000   DS Encoder = 10.1001

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D/S=   0001
Run=   16

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	5.0057	5.0129	5.0308	5.0381
Bottom	-4.9889	-5.0038	-5.0413	-5.0566
Gap	9.9947			10.0947
Taper				0.1000

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0219	-5.0228	10.0447	-0.0004

Additional Calculated Values

Bottom Pole #1 Z Value	979.953
Top Jaw Pitch (mrad)	0.010
Bottom Jaw Pitch(mrad)	-0.020
Minimum Effective Gap	9.960
Reference Block Gap	6.807

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.100
Gap Reading = 10.0500   US Encoder = 10.0000   DS Encoder = 10.1001

07-SEP-2018
S/N = 014
D/S = 0001
Run = 16