Top Jaw Pole Tips

Y Dev.from Mean

Mean TOP = 5.0406   Regression Line Ang. (mrad) =   0.0016

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   9.968

Y Dev.from Mean

Mean BTM =   -4.9566   Regression Line Ang. (mrad) =   -0.0041

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
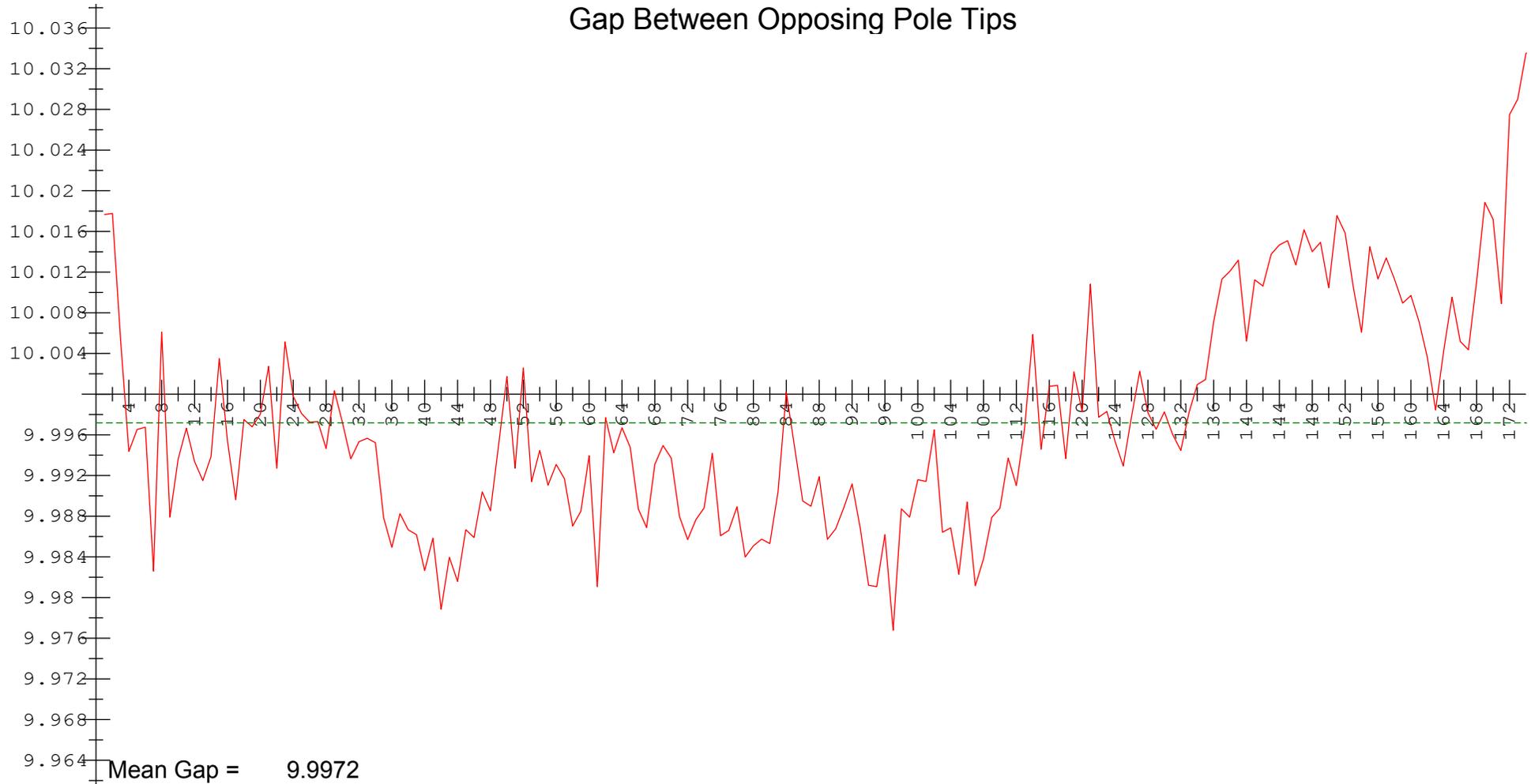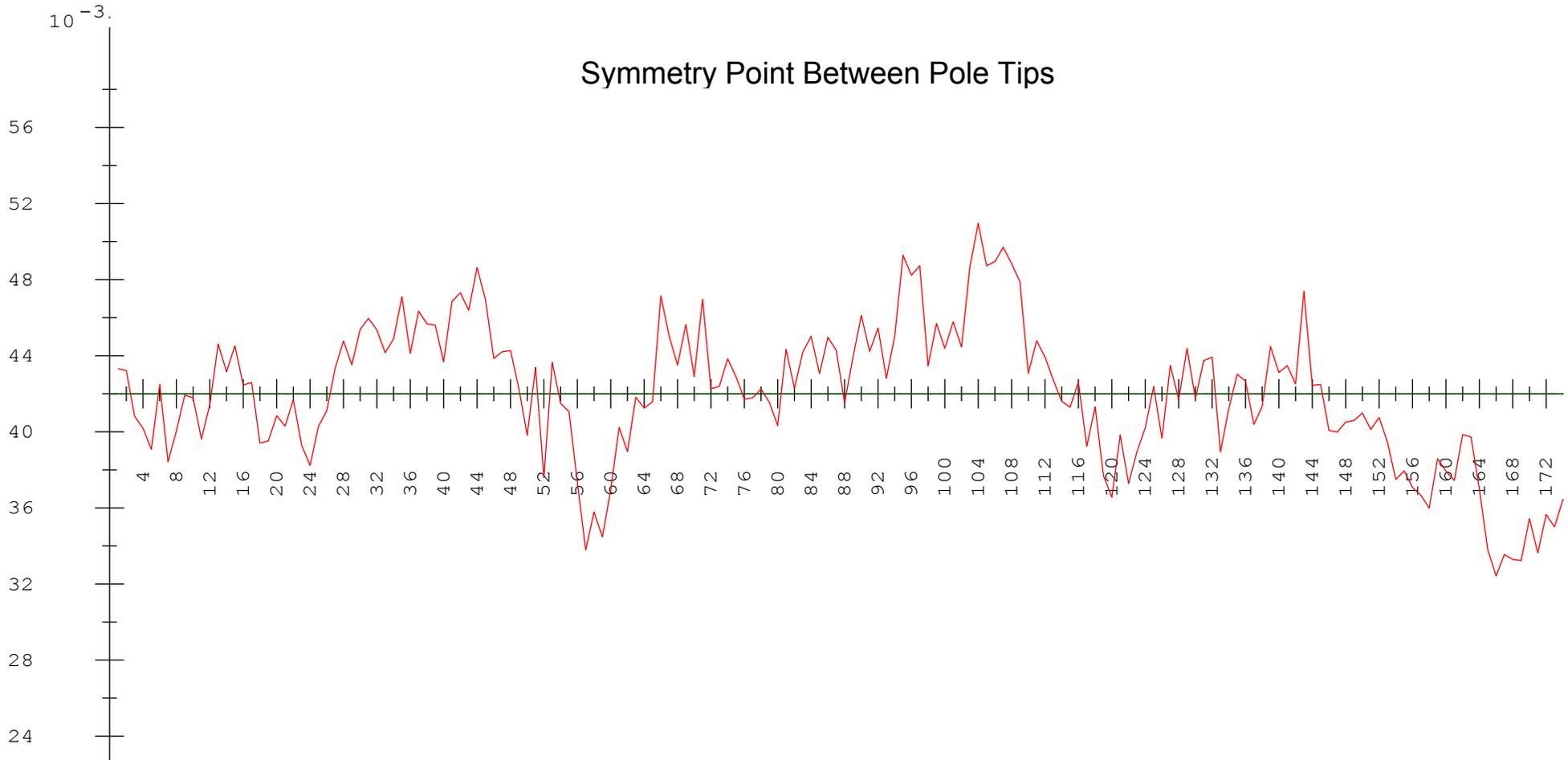Gap Reading = 10.0000   US Encoder = 10.0000   DS Encoder = 9.9999

19-APR-2018
S/N =   009
D/S=   0001
Run=   3

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Gap Between Opposing Pole Tips

Mean Gap = 9.9972

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 = 9.9999

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19-APR-2018
S/N = 009
D/S= 0001
Run= 3

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0420

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 = 9.9999

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S/N =   009
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	5.0379	5.0391	5.0421	5.0433
Bottom	-4.9498	-4.9528	-4.9603	-4.9634
Gap	9.9876			10.0067
Taper				0.0191

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0406	-4.9566	9.9972	0.0420

Additional Calculated Values

Bottom Pole #1 Z Value	979.421
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	-0.004
Minimum Effective Gap	9.968
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 = 9.9999

19-APR-2018
S/N = 009
D/S= 0001
Run= 3