Top Jaw Pole Tips

10^{-3}

Y Dev. from Mean

Mean TOP = 4.9986   Regression Line Ang. (mrad) = 0.0009

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap = 9.962

10^{-3}

Y Dev. from Mean

Mean BTM = -4.9926   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

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 12.0000   US Encoder = 0.0000   DS Encoder = 0.0000

23-JAN-2019
S/N = 019
D/S= 0001
Run= 7

Gap Between Opposing Pole Tips

Mean Gap = 9.9913

Step Between Measured Pole Tips = 1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0.000

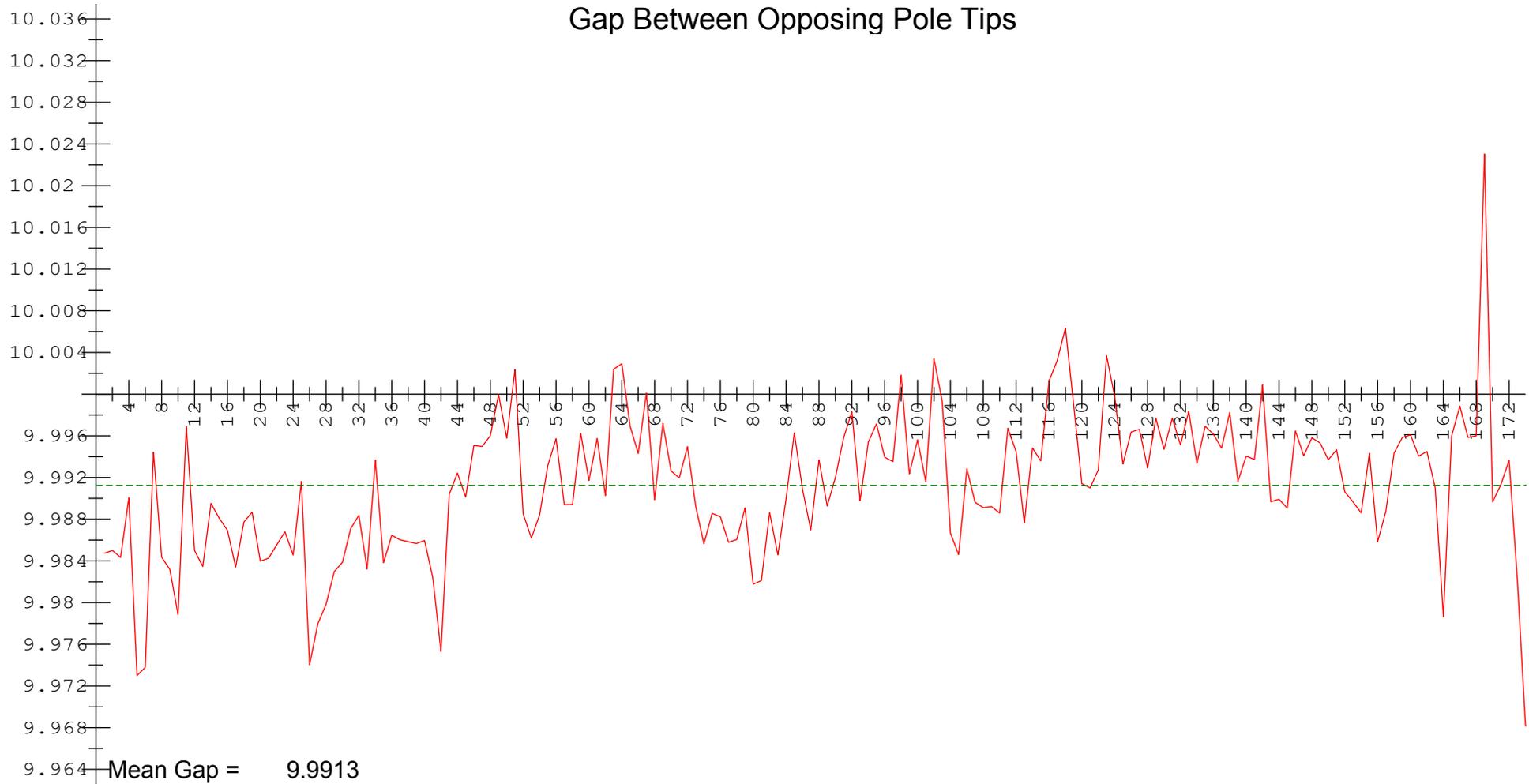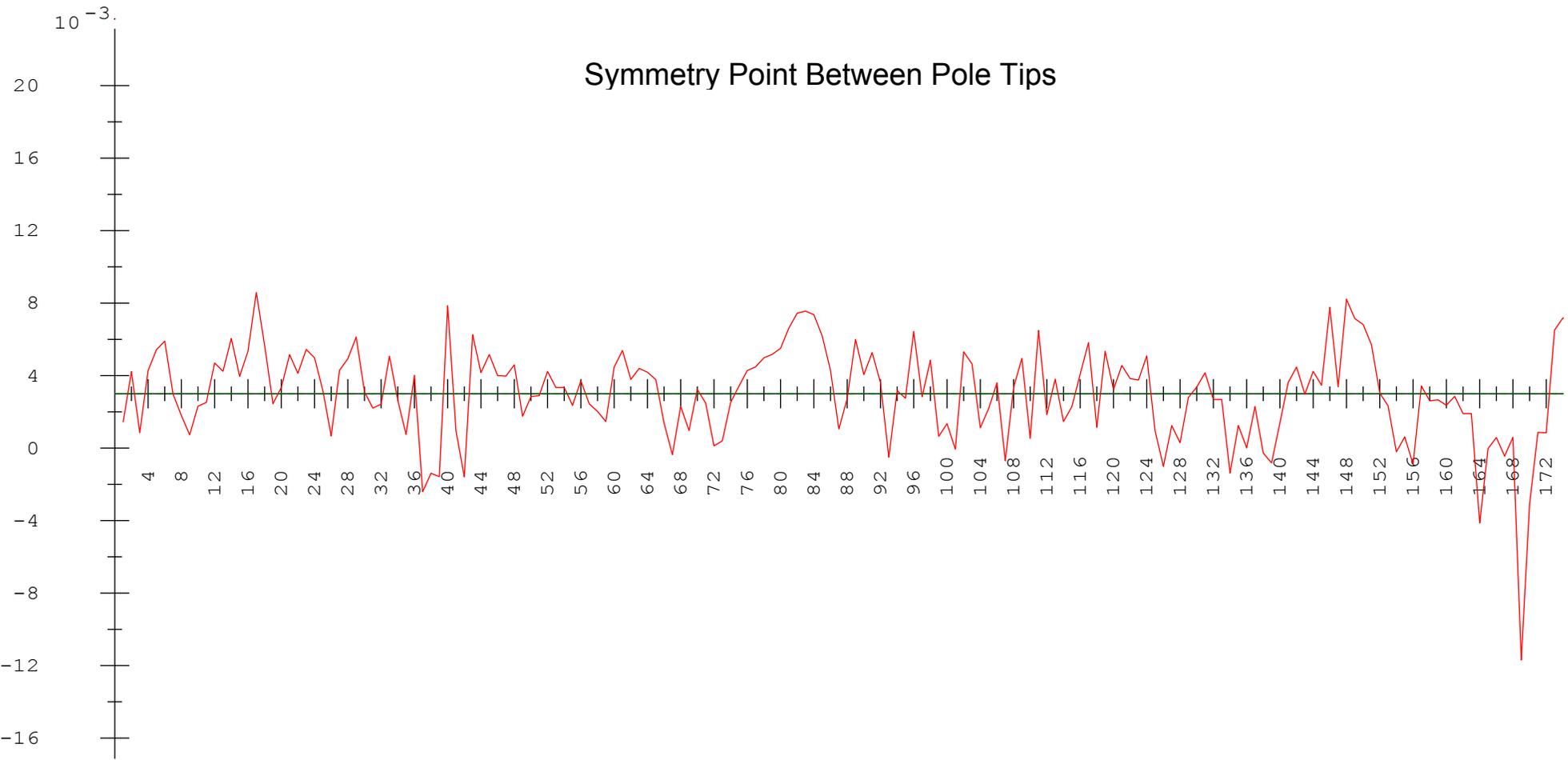Gap Reading = 12.0000   US Encoder = 0.0000   DS Encoder = 0.0000

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METROLOGY

23-JAN-2019
S/N = 019
D/S= 0001
Run= 7

Symmetry Point Between Pole Tips

10^{-3}

Mean Symmetry Value =   0.0030

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 = 12.0000   US Encoder = 0.0000   DS Encoder = 0.0000

23-JAN-2019
S/N =   019
D/S=   0001
Run=   7

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	4.9972	4.9978	4.9994	5.0001
Bottom	-4.9892	-4.9907	-4.9945	-4.9960
Gap	9.9864			9.9961
Taper				0.0097

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9986	-4.9926	9.9913	0.0030

Additional Calculated Values

Bottom Pole #1 Z Value	980.265
Top Jaw Pitch (mrad)	0.001
Bottom Jaw Pitch(mrad)	-0.002
Minimum Effective Gap	9.962
Reference Block Gap	6.805

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0.000
Gap Reading = 12.0000   US Encoder = 0.0000   DS Encoder = 0.0000

23-JAN-2019
S/N = 019
D/S = 0001
Run= 7