Top Jaw Pole Tips

Y Dev. from Mean

10^{-3}

Mean TOP = 5.0037   Regression Line Ang. (mrad) = -0.0012

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap = 9.928

10^{-3}

Y Dev. from Mean

Mean BTM = -4.9904   Regression Line Ang. (mrad) = -0.0025

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 = 10.0000   US Encoder = 10.0000   DS Encoder = 10.0000

07-SEP-2018
S/N = 014
D/S= 0001
Run= 18

Gap Between Opposing Pole Tips

Mean Gap =   9.9941

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
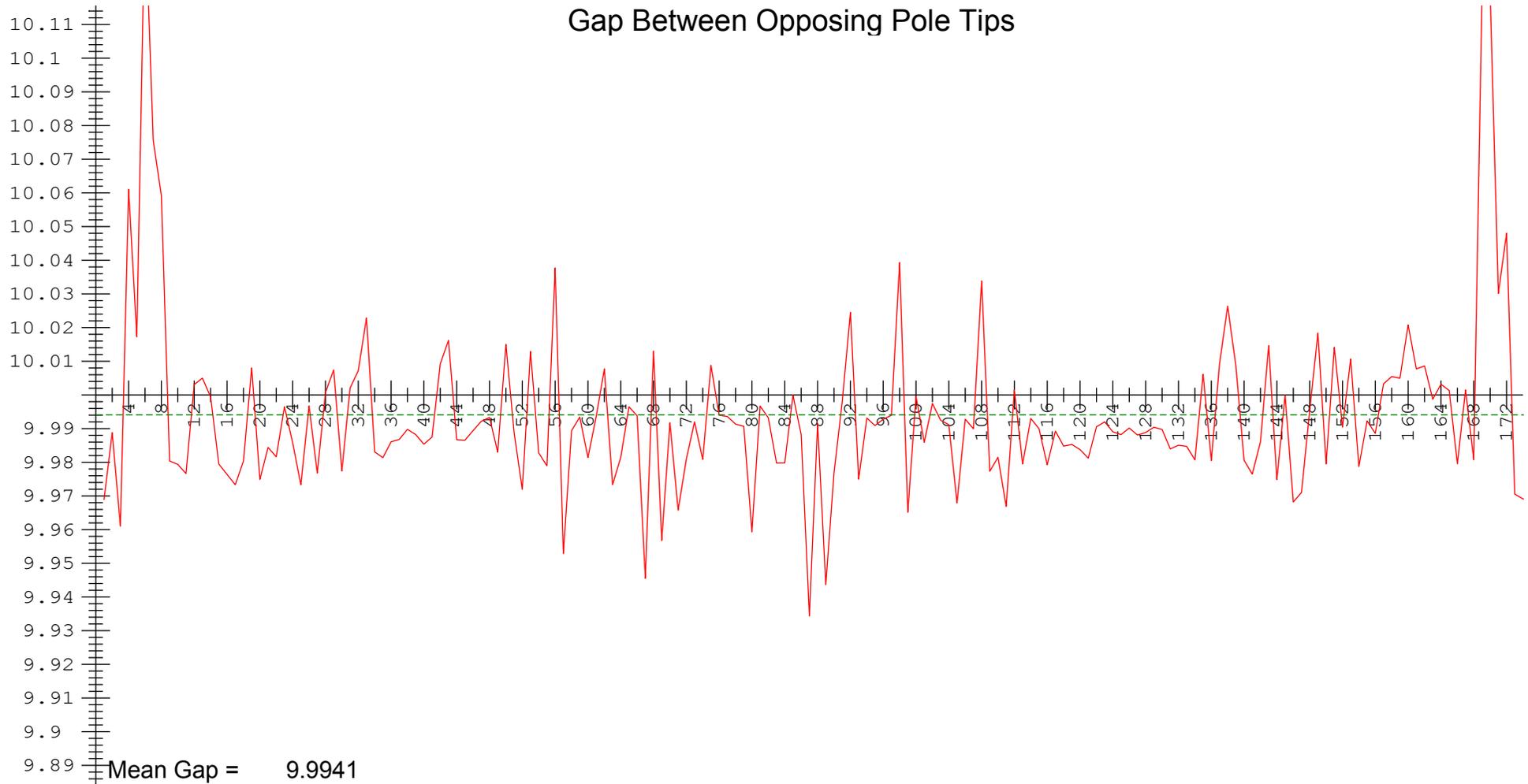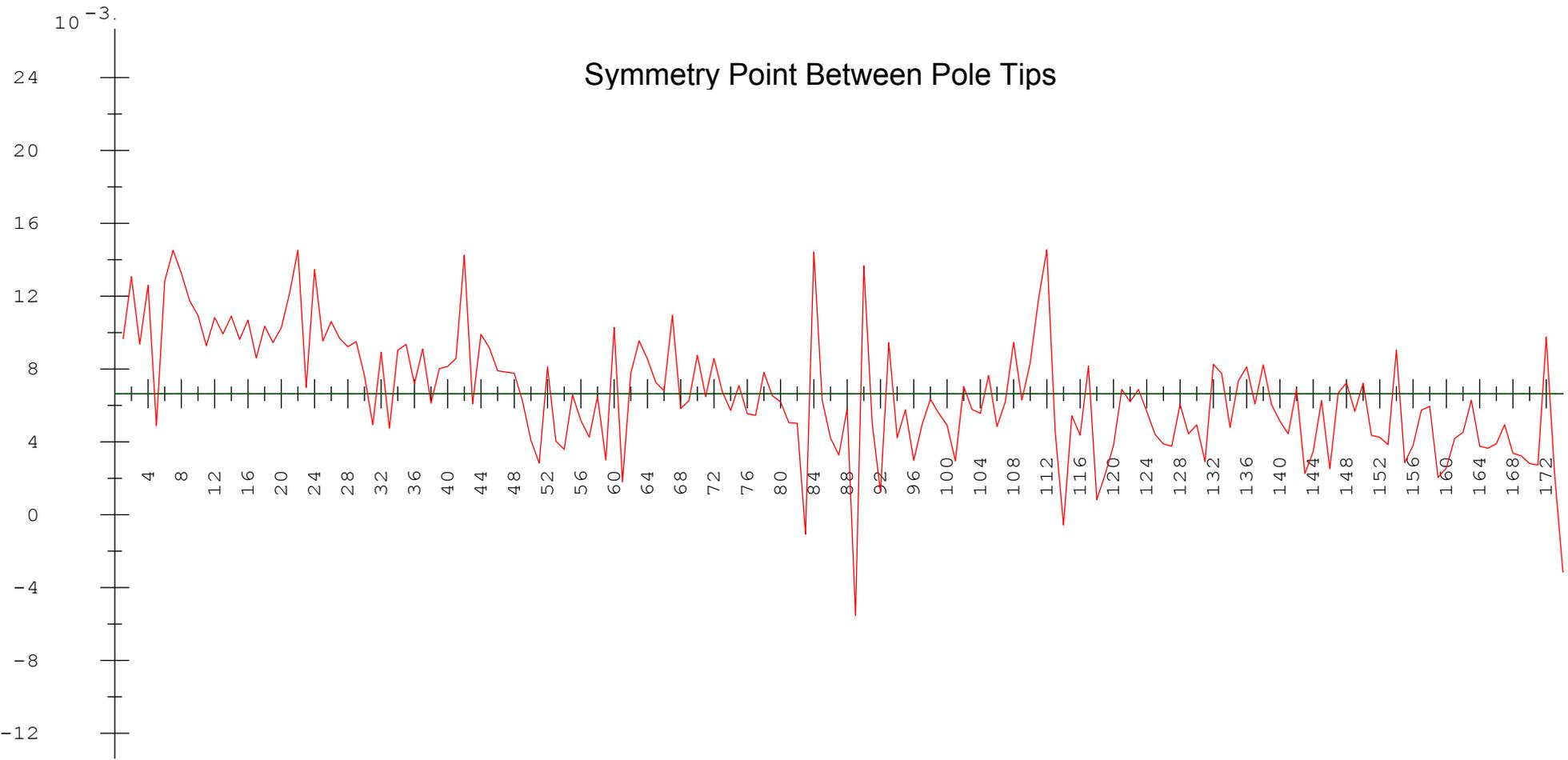
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07-SEP-2018
S/N =   014
D/S=   0001
Run=   18

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0066

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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S/N =   014
D/S=   0001
Run=   18

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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	5.0048	5.0026	5.0016
Bottom	-4.9861	-4.9880	-4.9928	-4.9947
Gap	9.9919			9.9963
Taper				0.0045

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0037	-4.9904	9.9941	0.0066

Additional Calculated Values

Bottom Pole #1 Z Value	979.953
Top Jaw Pitch (mrad)	-0.001
Bottom Jaw Pitch(mrad)	-0.003
Minimum Effective Gap	9.928
Reference Block Gap	6.807

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

07-SEP-2018
S/N = 014
D/S= 0001
Run= 18