Top Jaw Pole Tips

Y Dev. from Mean

10^{-3}

Mean TOP = 5.0667   Regression Line Ang. (mrad) =   -0.0112

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap =   9.862

Bottom Jaw Pole Tips

Y Dev. from Mean

10^{-3}

Mean BTM =   -4.8899   Regression Line Ang. (mrad) =   0.0198

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 = -0.100
Gap Reading = 9.9500   US Encoder = 10.0000   DS Encoder = 9.9000
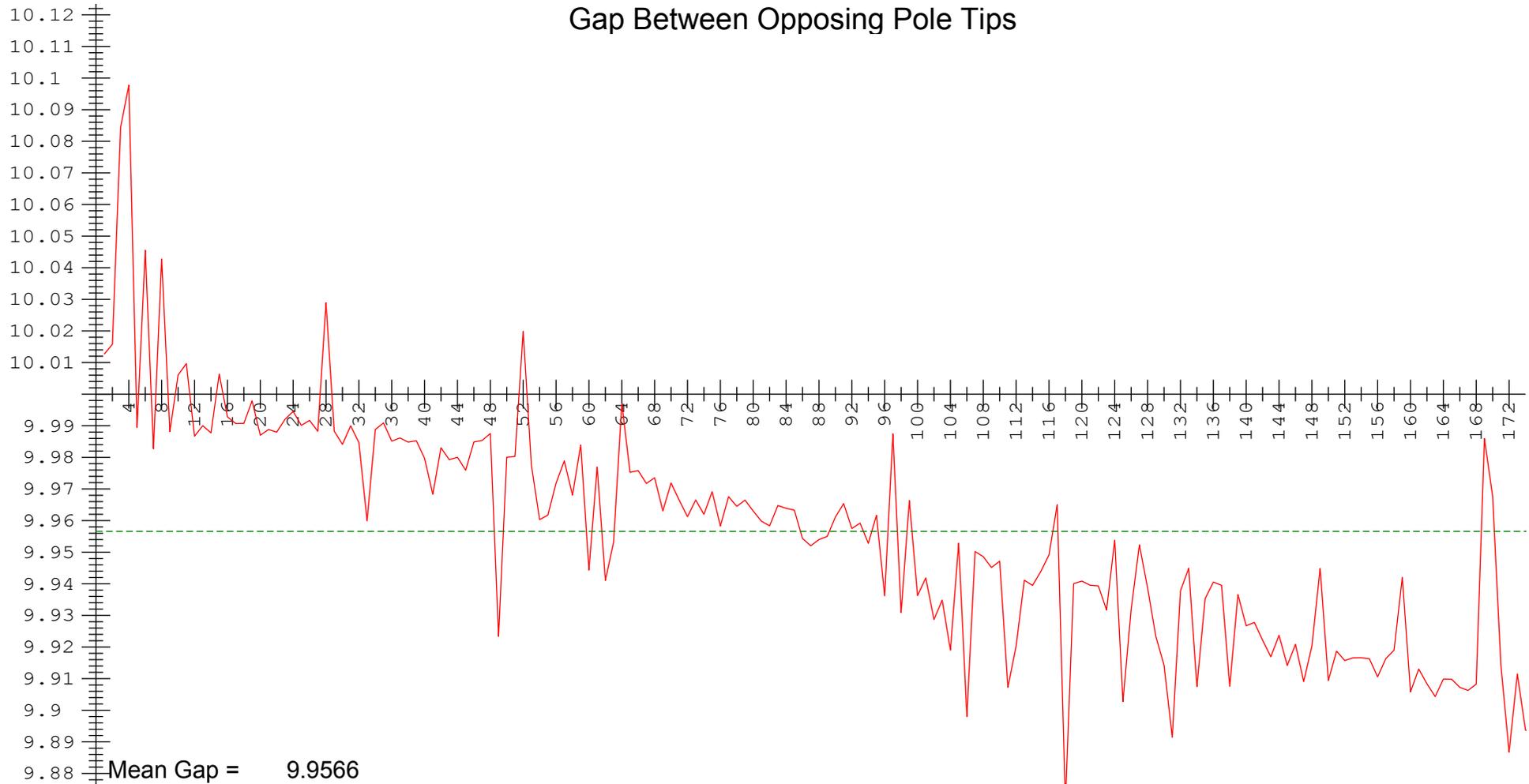
03-JUL-2018
S/N =   012
D/S=   0001
Run=   17

Gap Between Opposing Pole Tips

Mean Gap =   9.9566

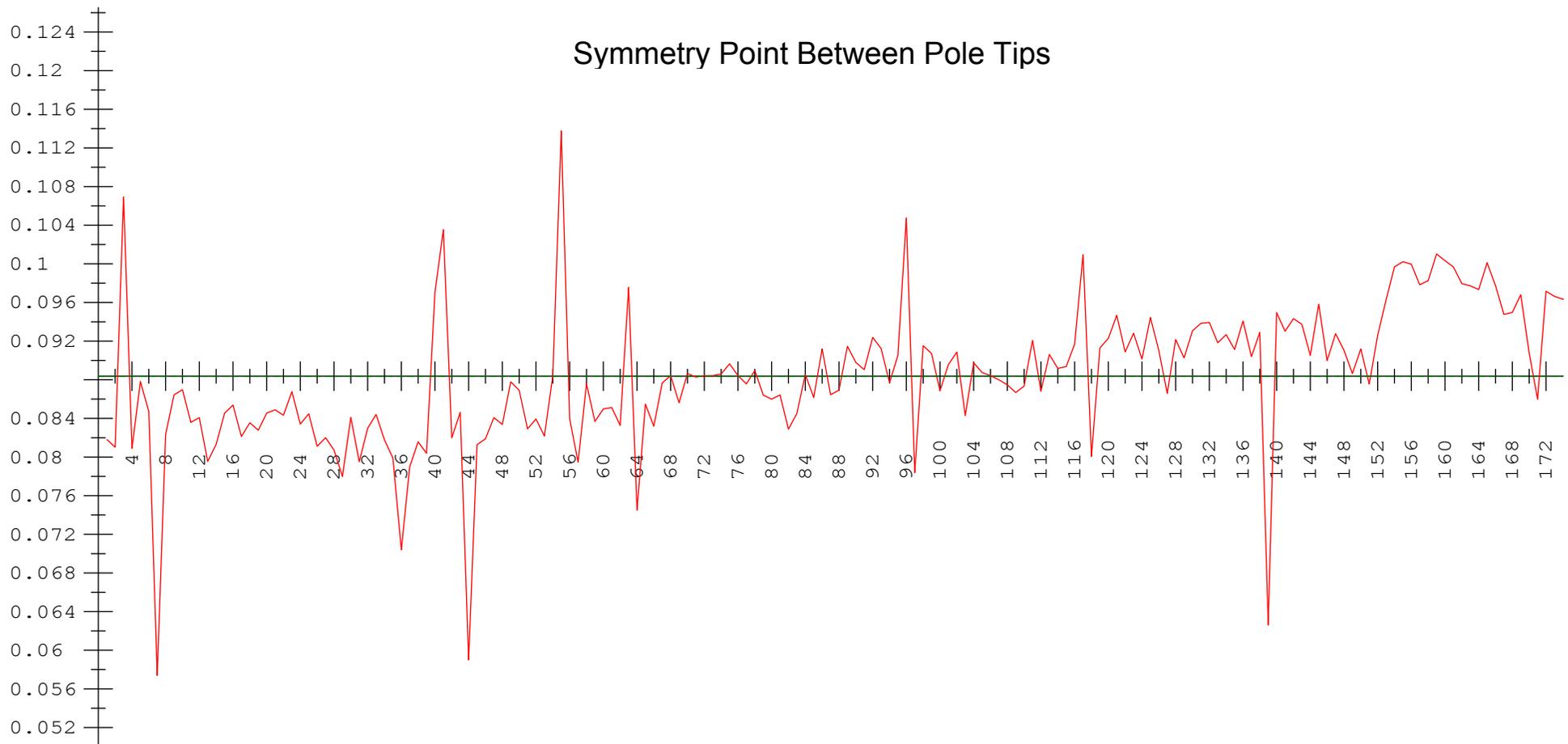Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = -0.100

Gap Reading = 9.9500   US Encoder = 10.0000   DS Encoder = 9.9000

03-JUL-2018
S/N =   012
D/S=   0001
Run=   17

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0884

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = -0.100

Gap Reading = 9.9500   US Encoder = 10.0000   DS Encoder = 9.9000

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S/N =   012
D/S=   0001
Run=   17

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	5.0856	5.0773	5.0563	5.0478
Bottom	-4.9233	-4.9087	-4.8716	-4.8565
Gap	10.0089			9.9043
Taper				-0.1046

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0667	-4.8899	9.9566	0.0884

Additional Calculated Values

Bottom Pole #1 Z Value	979.816
Top Jaw Pitch (mrad)	-0.011
Bottom Jaw Pitch(mrad)	0.020
Minimum Effective Gap	9.862
Reference Block Gap	6.810

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = -0.100
Gap Reading = 9.9500   US Encoder = 10.0000   DS Encoder = 9.9000

03-JUL-2018
S/N = 012
D/S= 0001
Run= 17