Top Jaw Pole Tips

10^{-3}

Y Dev. from Mean

Mean TOP = 6.0768   Regression Line Ang. (mrad) =   -0.0021

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   11.831

10^{-3}

Y Dev. from Mean

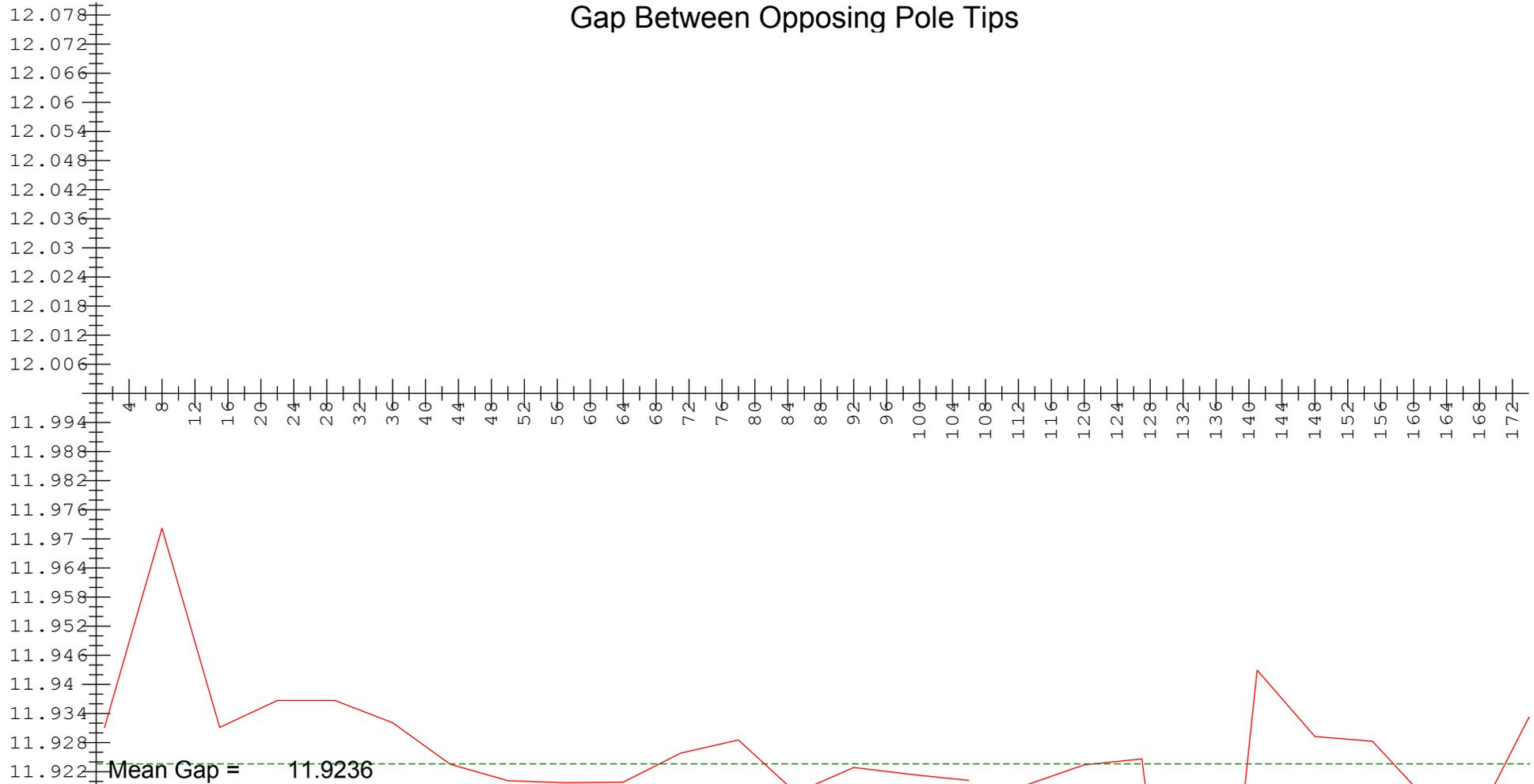Mean BTM =   -5.8468   Regression Line Ang. (mrad) =   0.0051

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   7

Regression Line Through Points =
Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 12   Nominal Taper = 0.000
Gap Reading = 12.0000   US Encoder = 12.0000   DS Encoder = 12.0000

13-SEP-2018
S/N =   001
D/S=   0004
Run=   7

Gap Between Opposing Pole Tips

Mean Gap =   11.9236
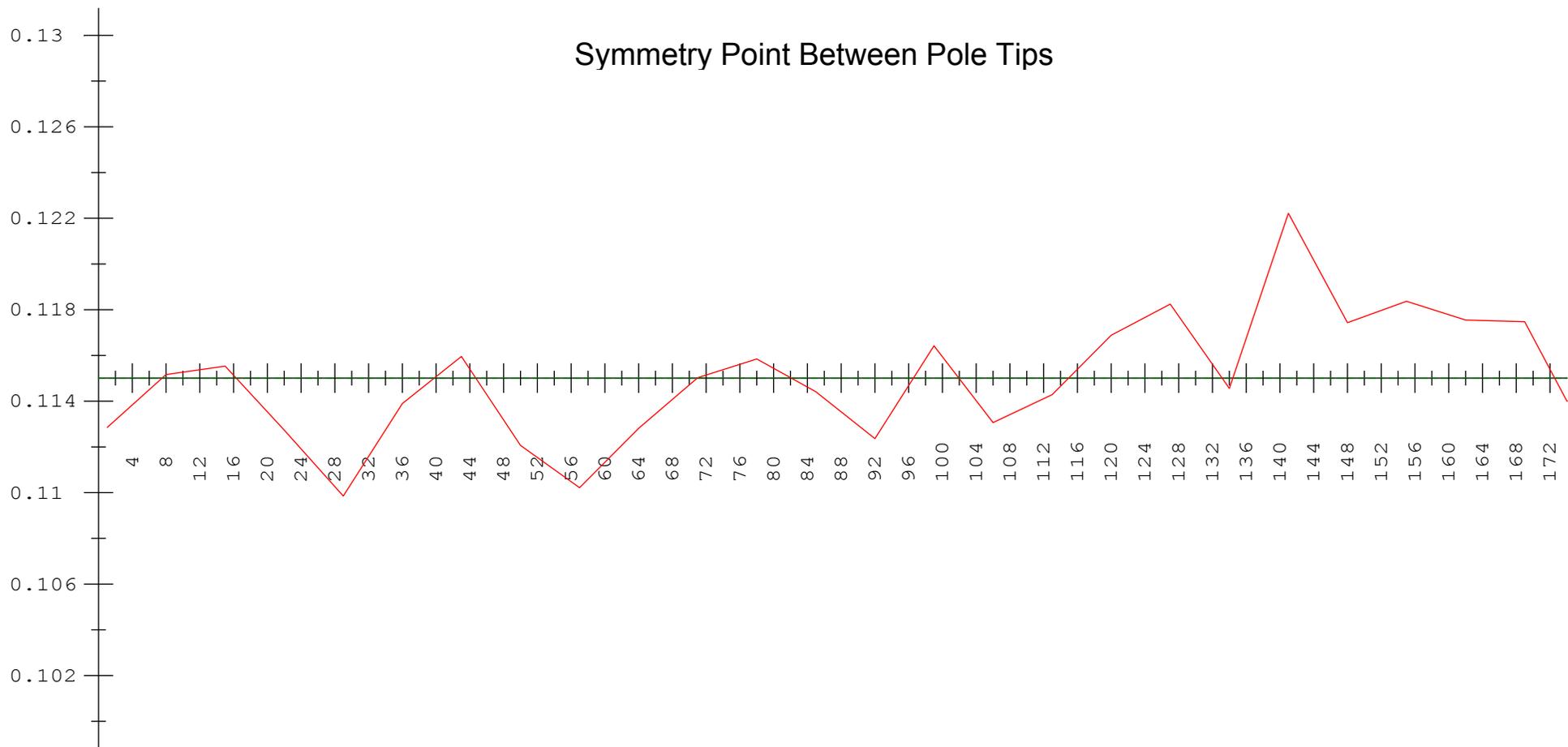
Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 12   Nominal Taper = 0.000

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

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S/N =   001
D/S=   0004
Run=   7

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.1150

Step Between Measured Pole Tips =   7

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 12   Nominal Taper = 0.000
Gap Reading = 12.0000   US Encoder = 12.0000   DS Encoder = 12.0000

13-SEP-2018
S/N =   001
D/S=   0004
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	6.0805	6.0790	6.0751	6.0735
Bottom	-5.8557	-5.8519	-5.8424	-5.8385
Gap	11.9362			11.9120
Taper				-0.0242

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.0768	-5.8468	11.9236	0.1150

Additional Calculated Values

Bottom Pole #1 Z Value	979.975
Top Jaw Pitch (mrad)	-0.002
Bottom Jaw Pitch(mrad)	0.005
Minimum Effective Gap	11.831
Reference Block Gap	6.807

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 12   Nominal Taper = 0.000
Gap Reading = 12.0000   US Encoder = 12.0000   DS Encoder = 12.0000

13-SEP-2018
S/N = 001
D/S= 0004
Run= 7