Top Jaw Pole Tips

Y Dev.from Mean

Pole Tip Num. ---->

Mean TOP =   7.5582   Regression Line Ang. (mrad) =   -0.0028

Bottom Jaw Pole Tips

Minimum Effective Gap =   14.988

Y Dev.from Mean

Mean BTM =   -7.4538   Regression Line Ang. (mrad) =   -0.0084

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   10
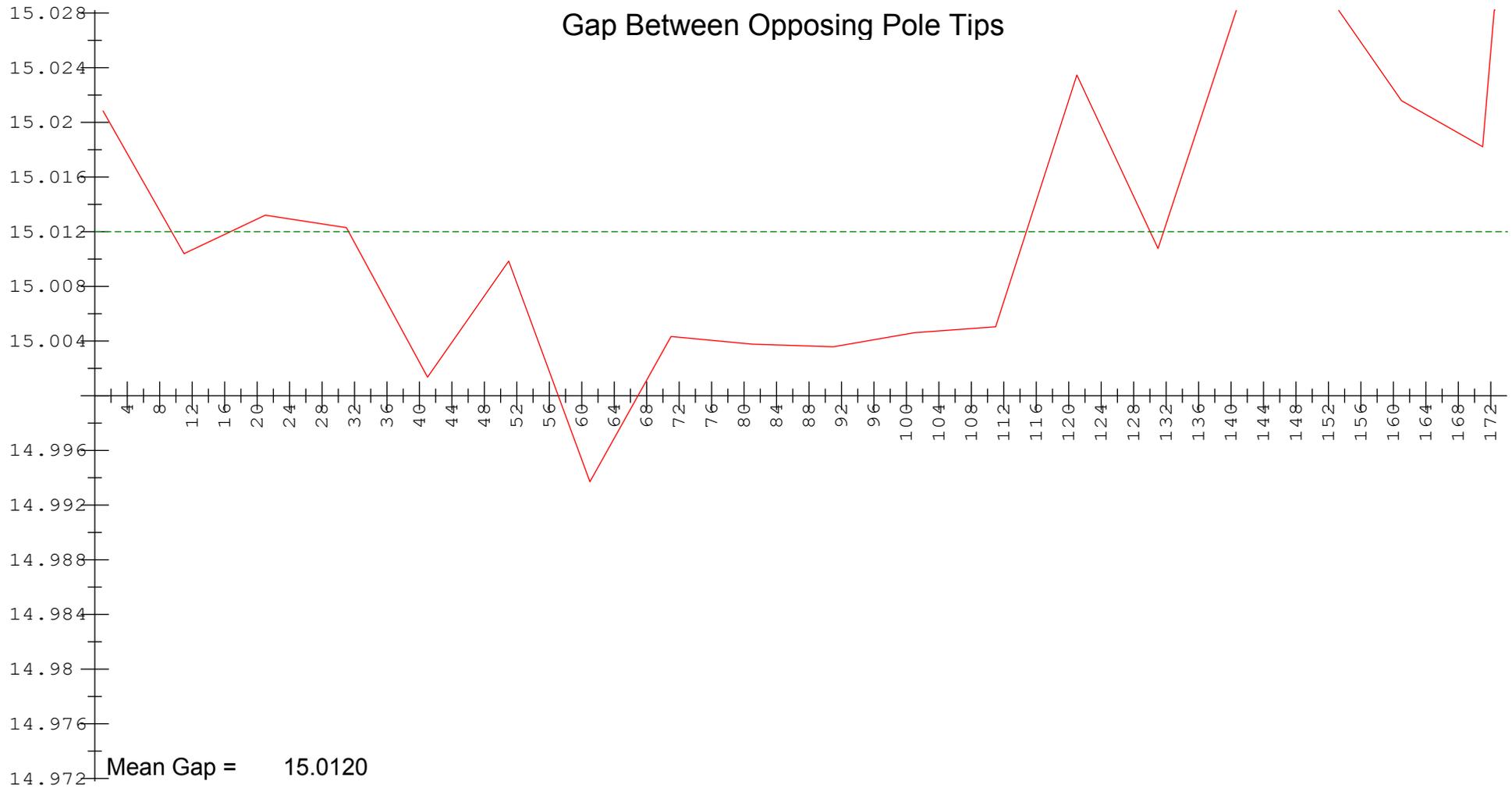
Regression Line Through Points =
Dimensions in mm

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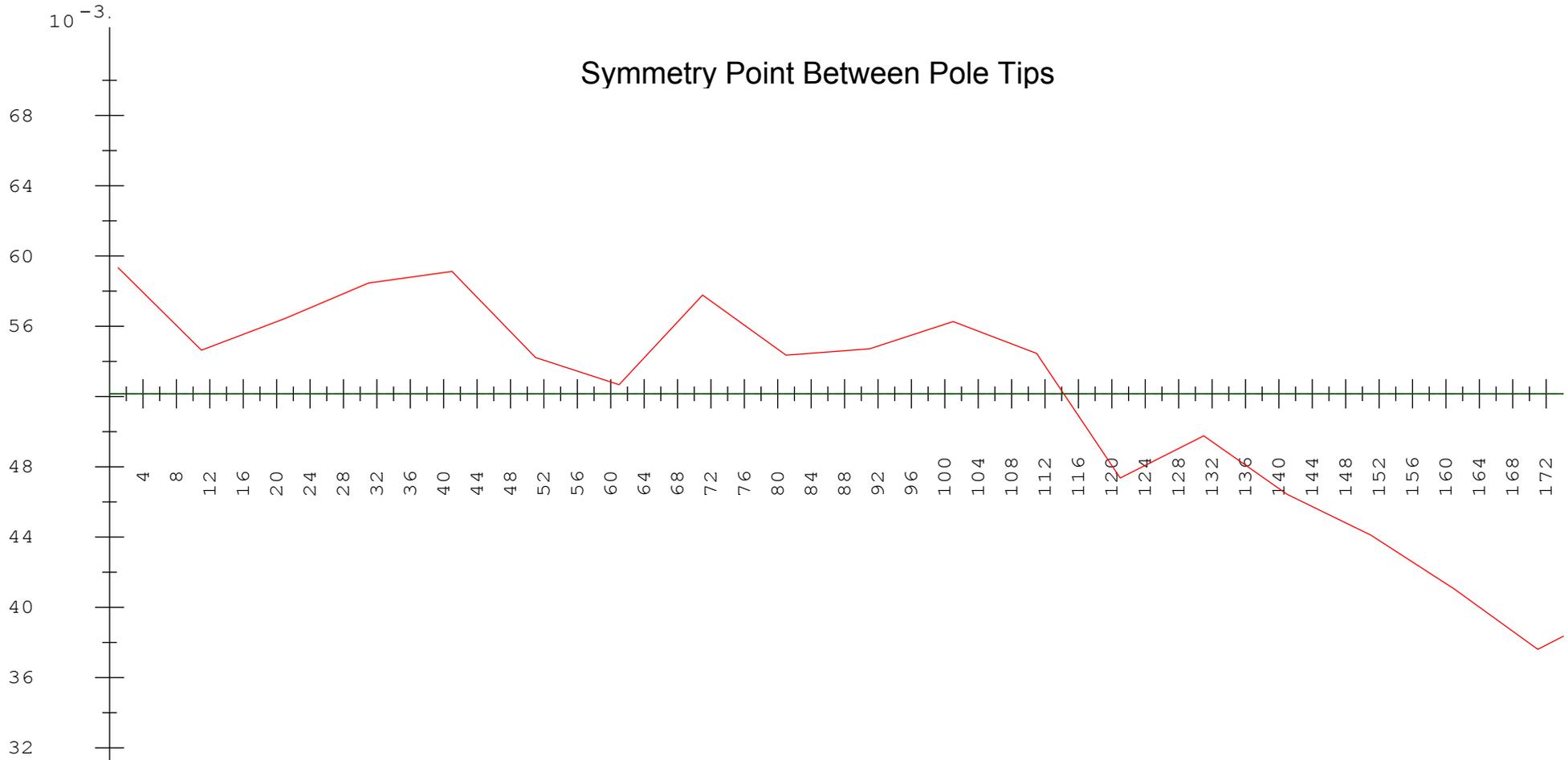METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 15   Nominal Taper = 0.000
Gap Reading = 15.0001   US Encoder = 15.0001   DS Encoder = 15.0001

19-APR-2018
S/N =   009
D/S=   0001
Run=   10

Gap Between Opposing Pole Tips

Mean Gap =   15.0120

Step Between Measured Pole Tips =   10

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 15   Nominal Taper = 0.000

Gap Reading = 15.0001   US Encoder = 15.0001   DS Encoder = 15.0001

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METROLOGY

19-APR-2018
S/N =   009
D/S=   0001
Run=   10

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0522

Step Between Measured Pole Tips =   10

Dimensions in mm

LCLS II - SXR Undulator		19-APR-2018
Nominal Gap = 15 Nominal Taper = 0.000		S/N = 009
Gap Reading = 15.0001 US Encoder = 15.0001 DS Encoder = 15.0001		D/S= 0001
		Run= 10

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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	7.5631	7.5610	7.5557	7.5535
Bottom	-7.4406	-7.4468	-7.4626	-7.4690
Gap	15.0037			15.0225
Taper				0.0189

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.5582	-7.4538	15.0120	0.0522

Additional Calculated Values

Bottom Pole #1 Z Value	979.421
Top Jaw Pitch (mrad)	-0.003
Bottom Jaw Pitch(mrad)	-0.008
Minimum Effective Gap	14.988
Reference Block Gap	6.806

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 15   Nominal Taper = 0.000
Gap Reading = 15.0001   US Encoder = 15.0001   DS Encoder = 15.0001

19-APR-2018
S/N = 009
D/S= 0001
Run= 10