Top Jaw Pole Tips

Y Dev.from Mean

Mean TOP =   7.5421   Regression Line Ang. (mrad) =   0.0004

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   14.988

Y Dev.from Mean

Mean BTM =   -7.4682   Regression Line Ang. (mrad) =   0.0013

Y Value Scales Centered on Mean Values   Regression Line Through Points =

Step Between Measured Pole Tips =   5   Dimensions in mm

Gap Between Opposing Pole Tips

Mean Gap =   15.0103

Step Between Measured Pole Tips =   5

Dimensions in mm

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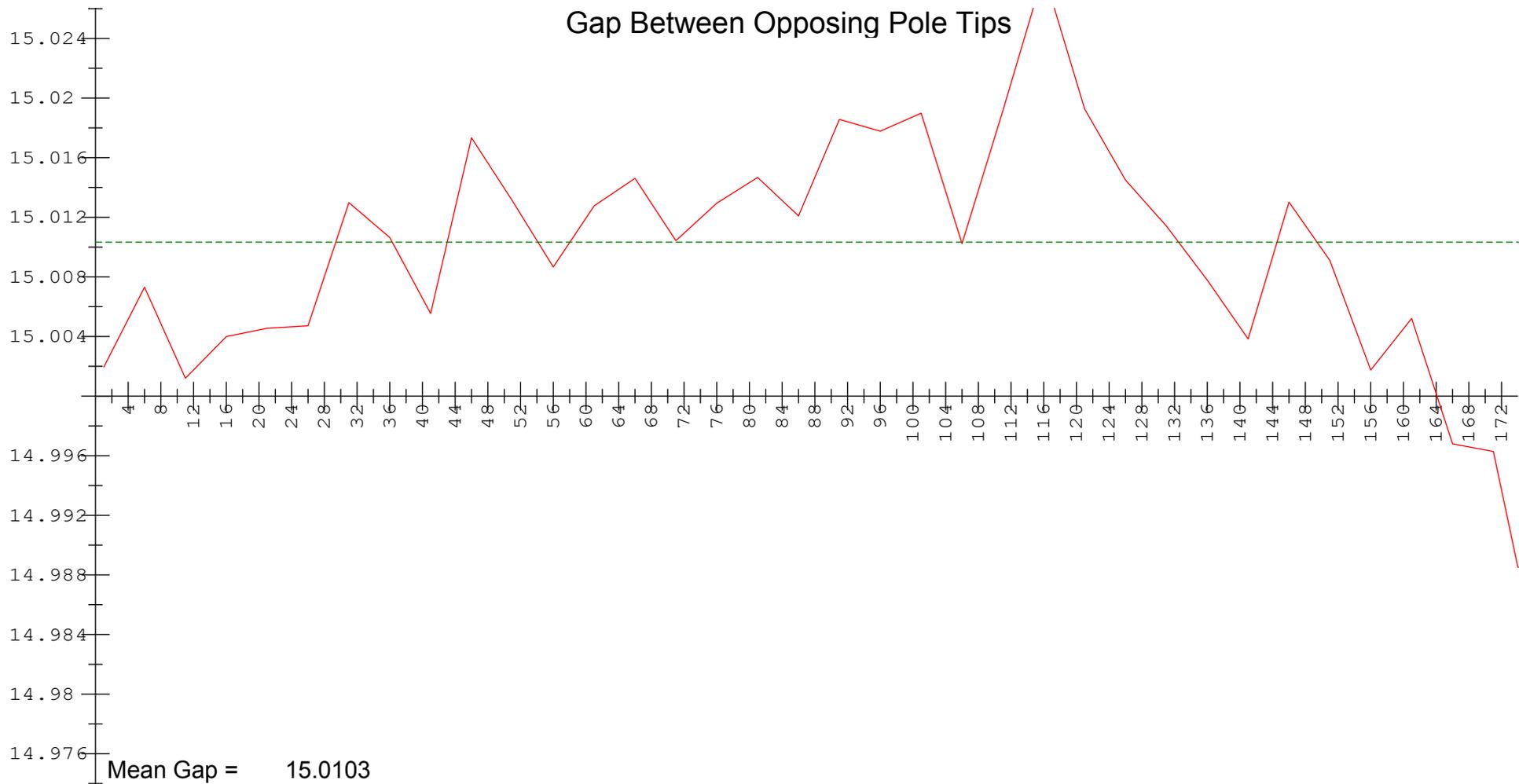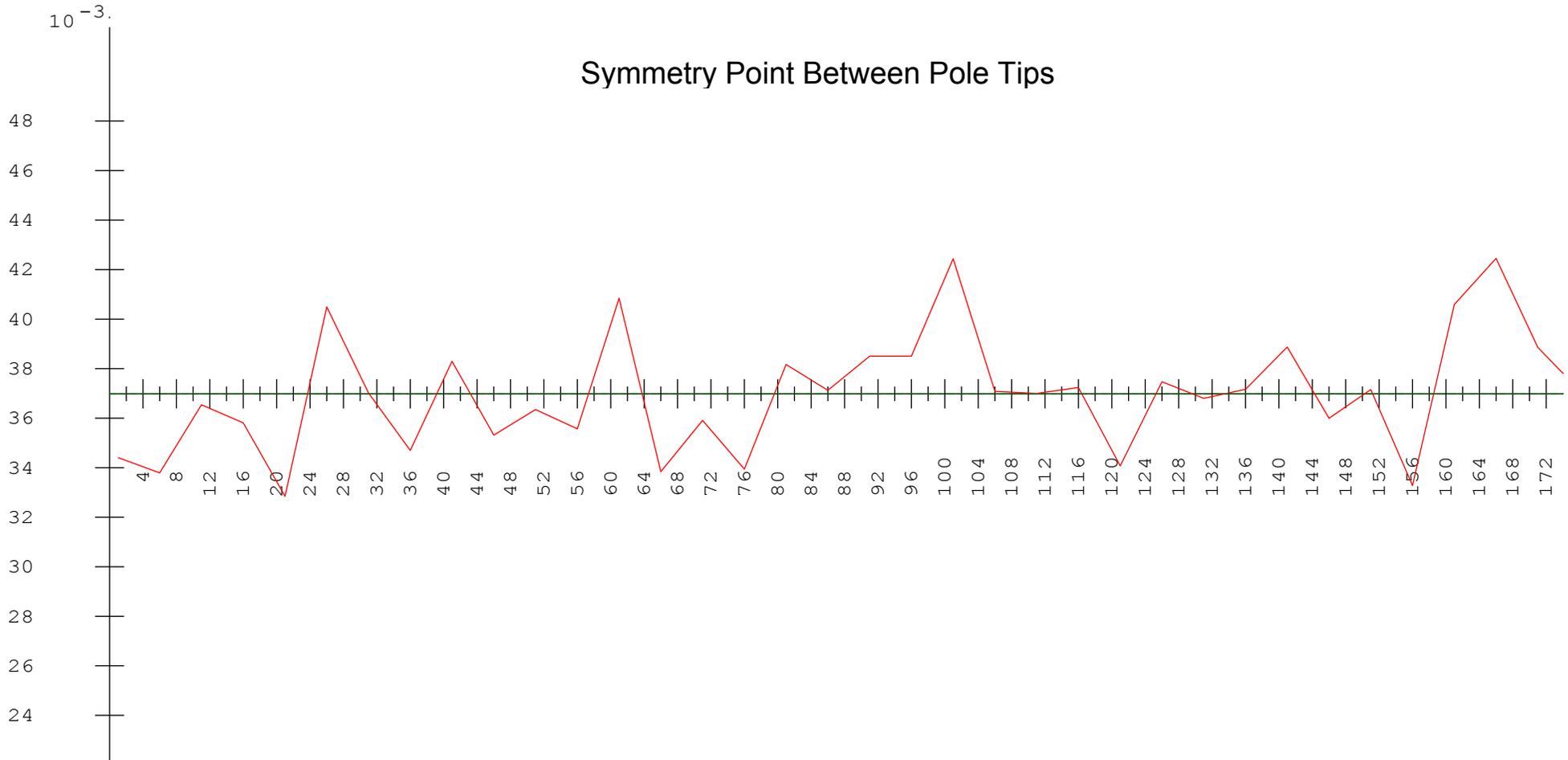**LCLS II - SXR Undulator**
Nominal Gap = 15   Nominal Taper = 0.000
Gap Reading = 15.0001   US Encoder = 15.0001   DS Encoder = 15.0001

13-NOV-2018
S/N =   017
D/S=   0001
Run=   12

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0370

Step Between Measured Pole Tips =   5

Dimensions in mm

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	7.5412	7.5415	7.5422	7.5426
Bottom	-7.4701	-7.4691	-7.4667	-7.4657
Gap	15.0112			15.0082
Taper				-0.0030

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.5421	-7.4682	15.0103	0.0370

Additional Calculated Values

Bottom Pole #1 Z Value	980.178
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	0.001
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

13-NOV-2018
S/N = 017
D/S= 0001
Run= 12