Top Jaw Pole Tips

Y Dev.from Mean

Mean TOP =   7.0424   Regression Line Ang. (mrad) =   0.0020

Pole Tip Num. ---->

Bottom Jaw Pole Tips   Minimum Effective Gap =   13.975

Y Dev.from Mean

Mean BTM =   -6.9846   Regression Line Ang. (mrad) =   0.0054

Y Value Scales Centered on Mean Values   Regression Line Through Points =
Step Between Measured Pole Tips =   7   Dimensions in mm

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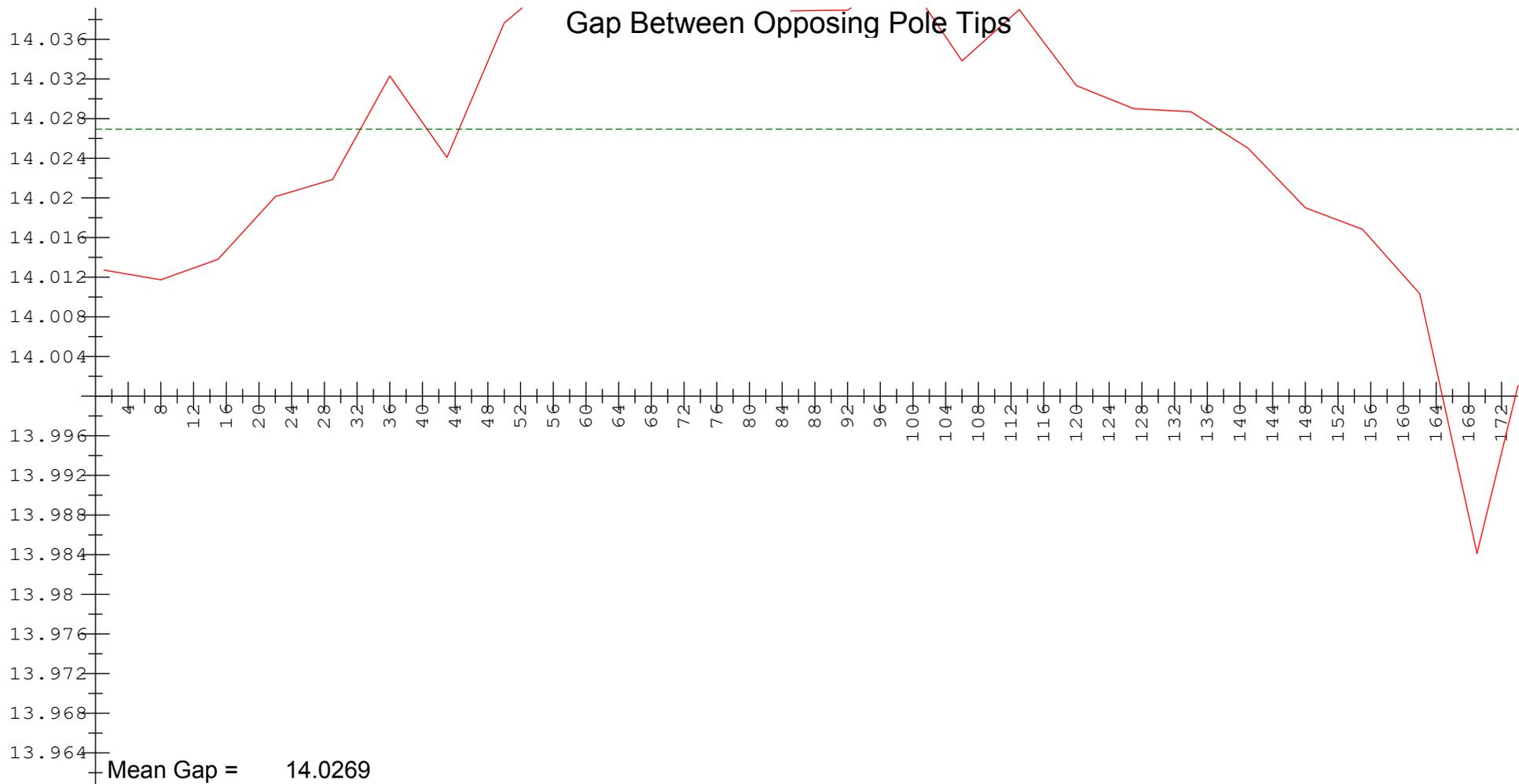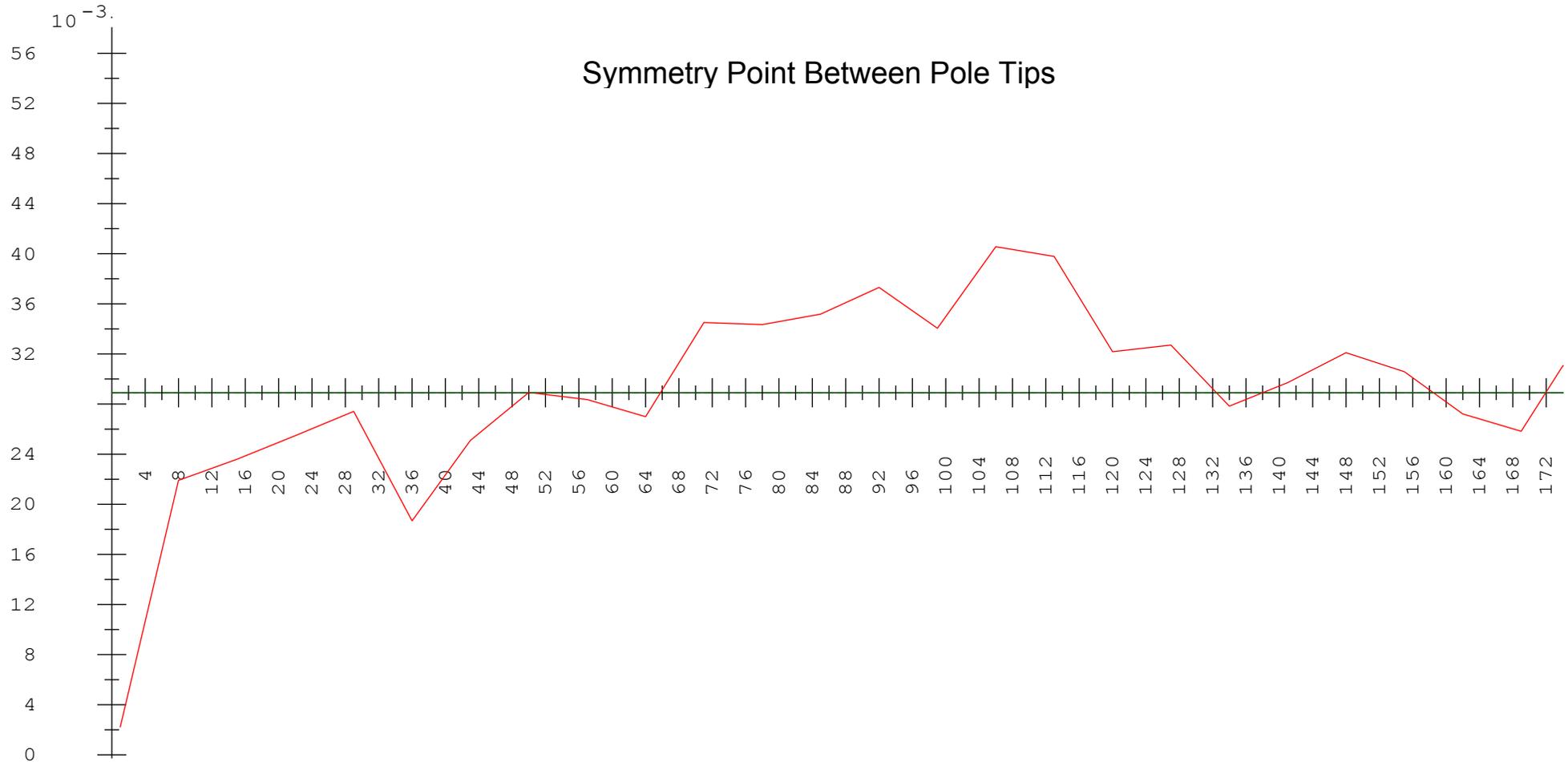**LCLS II - SXR Undulator**
Nominal Gap = 14   Nominal Taper = 0.000
Gap Reading = 14.0000   US Encoder = 14.0001   DS Encoder = 14.0000

15-MAR-2019
S/N =   022
D/S=   0001
Run=   10

Gap Between Opposing Pole Tips

Mean Gap =   14.0269

Step Between Measured Pole Tips =   7

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 14   Nominal Taper = 0.000
Gap Reading = 14.0000   US Encoder = 14.0001   DS Encoder = 14.0000

15-MAR-2019
S/N =   022
D/S=   0001
Run=   10

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0289

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 14   Nominal Taper = 0.000

Gap Reading = 14.0000   US Encoder = 14.0001   DS Encoder = 14.0000

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S/N =   022
D/S=   0001
Run=   10

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	7.0386	7.0401	7.0437	7.0452
Bottom	-6.9932	-6.9892	-6.9791	-6.9750
Gap	14.0318			14.0202
Taper				-0.0116

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.0424	-6.9846	14.0269	0.0289

Additional Calculated Values

Bottom Pole #1 Z Value	980.569
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.005
Minimum Effective Gap	13.975
Reference Block Gap	6.809

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 14   Nominal Taper = 0.000
Gap Reading = 14.0000   US Encoder = 14.0001   DS Encoder = 14.0000

15-MAR-2019
S/N =   022
D/S=   0001
Run=   10