Top Jaw Pole Tips

Y Dev.from Mean

10^{-3}

Mean TOP =   7.0357   Regression Line Ang. (mrad) =   0.0002

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   13.937

Y Dev.from Mean

10^{-3}

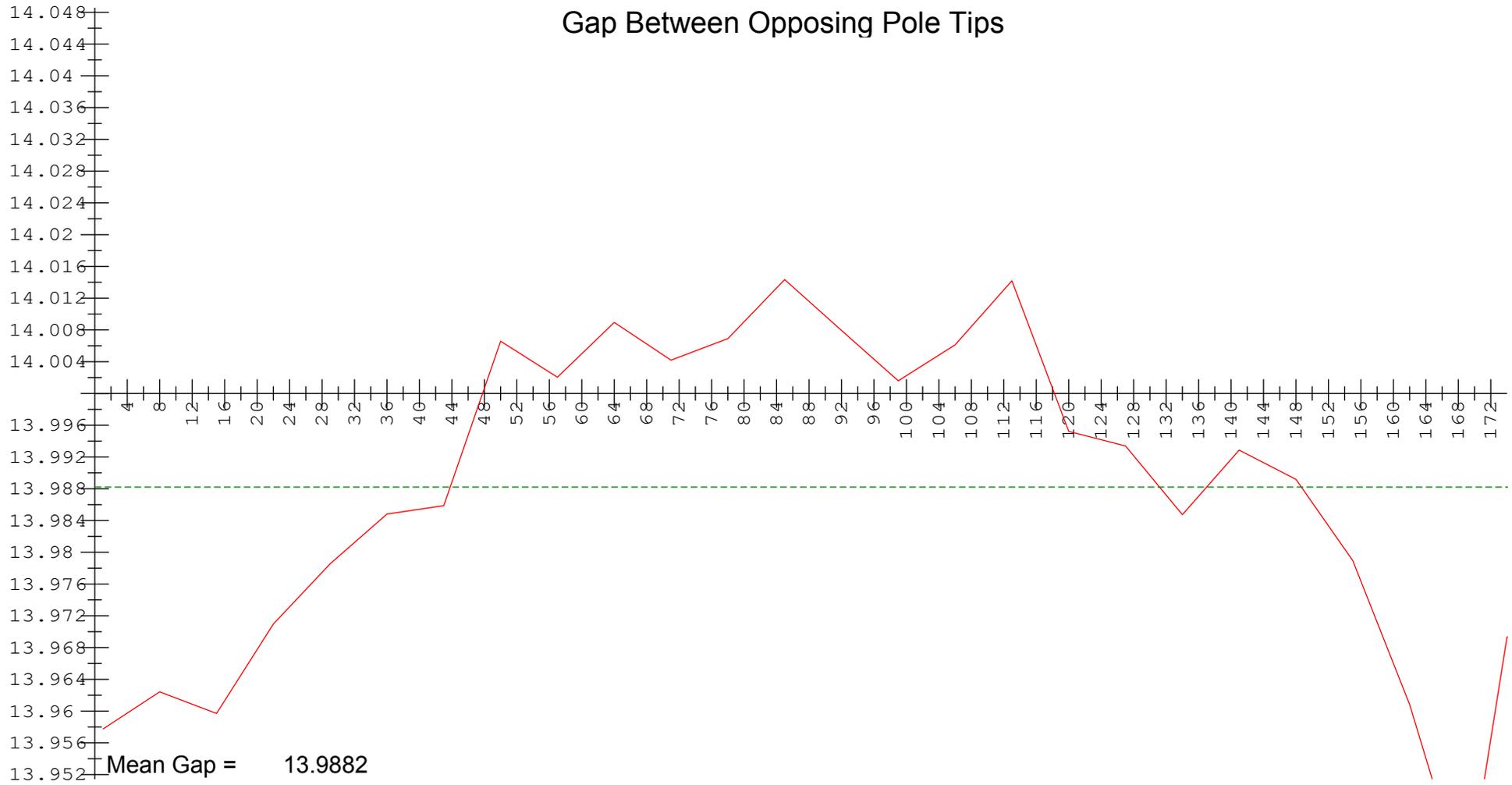Mean BTM =   -6.9525   Regression Line Ang. (mrad) =   0.0002

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 = 14   Nominal Taper = 0.000

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

11-FEB-2019
S/N =   020
D/S=   0001
Run=   9

Gap Between Opposing Pole Tips

Mean Gap =   13.9882

Step Between Measured Pole Tips =   7

Dimensions in mm

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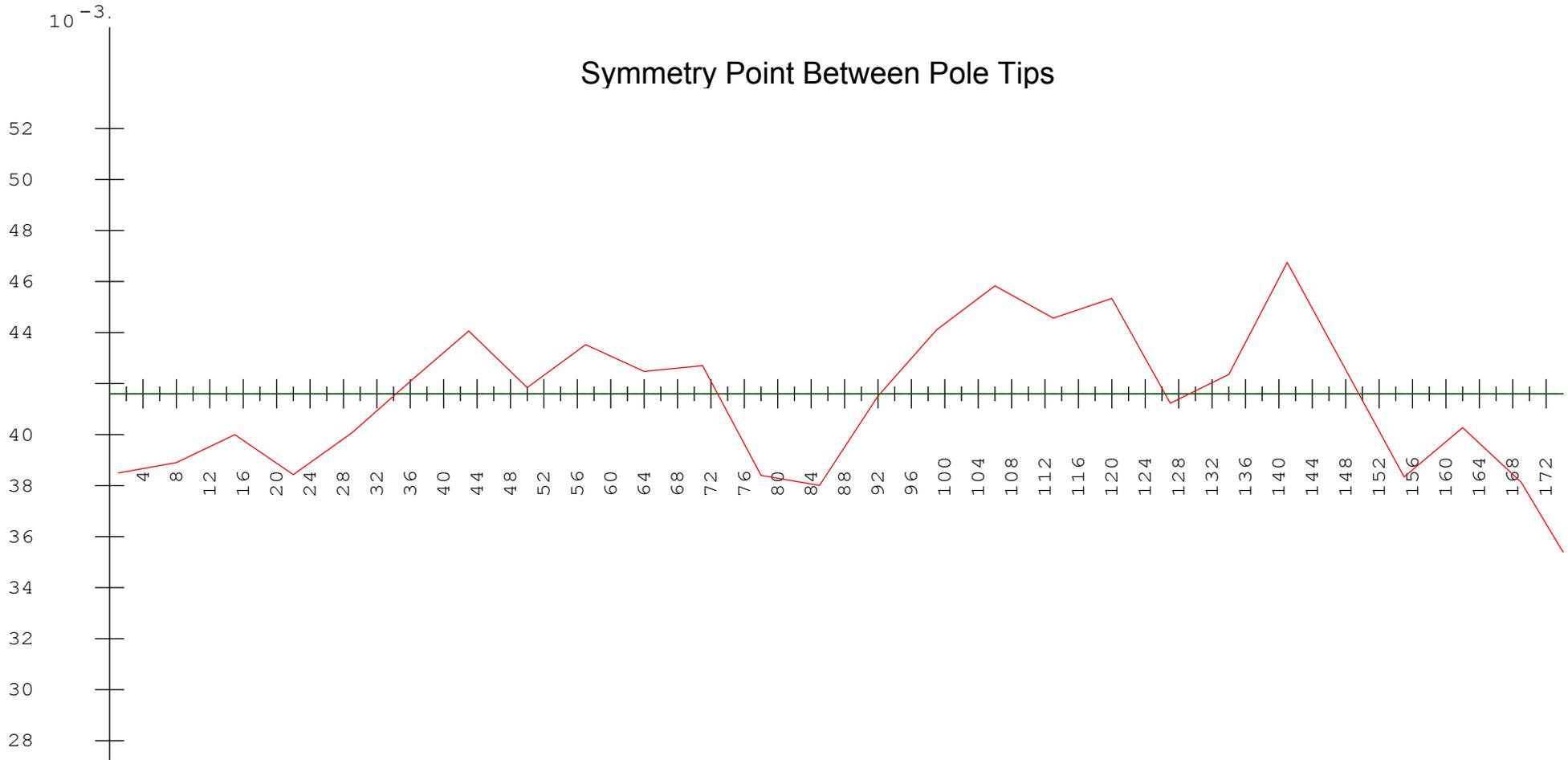METROLOGY

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

11-FEB-2019
S/N =   020
D/S=   0001
Run=   9

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0416

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator	11-FEB-2019
Nominal Gap = 14 Nominal Taper = 0.000	S/N = 020
Gap Reading = 14.0000 US Encoder = 14.0000 DS Encoder = 14.0000	D/S= 0001
	Run= 9

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METROLOGY

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	7.0348	7.0350	7.0352	7.0354
Bottom	-6.9527	-6.9525	-6.9522	-6.9521
Gap	13.9875			13.9875
Taper				0.0000

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.0357	-6.9525	13.9882	0.0416

Additional Calculated Values

Bottom Pole #1 Z Value	980.504
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	13.937
Reference Block Gap	6.811

Dimensions in mm

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

11-FEB-2019
S/N =   020
D/S=   0001
Run=   9