Top Jaw Pole Tips

10⁻³

Y Dev. from Mean

Mean TOP =   6.5258   Regression Line Ang. (mrad) =   0.0046

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   12.960

10⁻³

Y Dev. from Mean

Mean BTM =   -6.5004   Regression Line Ang. (mrad) =   0.0081

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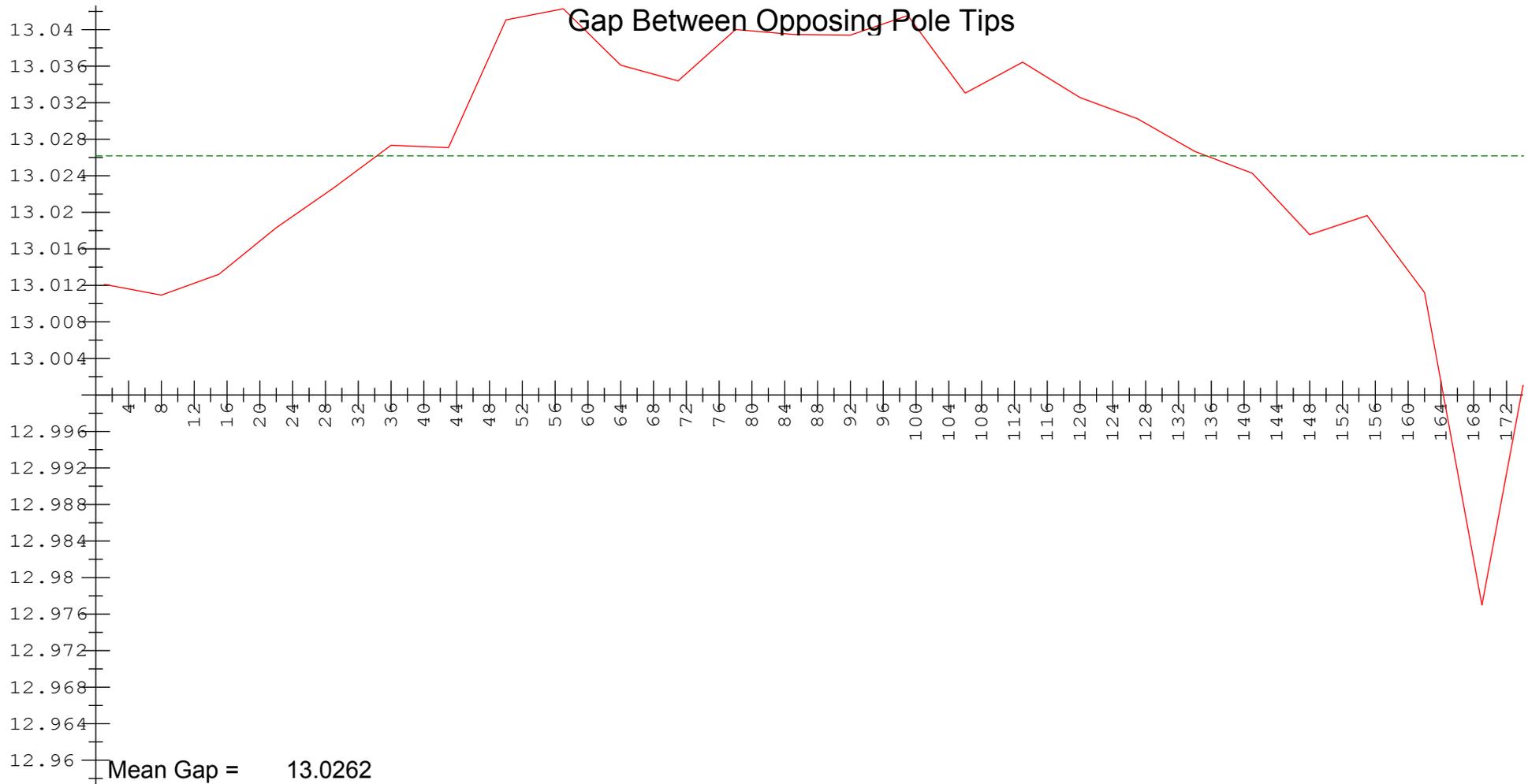Step Between Measured Pole Tips =   7

Regression Line Through Points =
Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 13   Nominal Taper = 0.000

Gap Reading = 13.0000   US Encoder = 13.0001   DS Encoder = 13.0000

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S/N =   022
D/S=   0001
Run=   9

Gap Between Opposing Pole Tips

Mean Gap =   13.0262

Step Between Measured Pole Tips =   7   Dimensions in mm
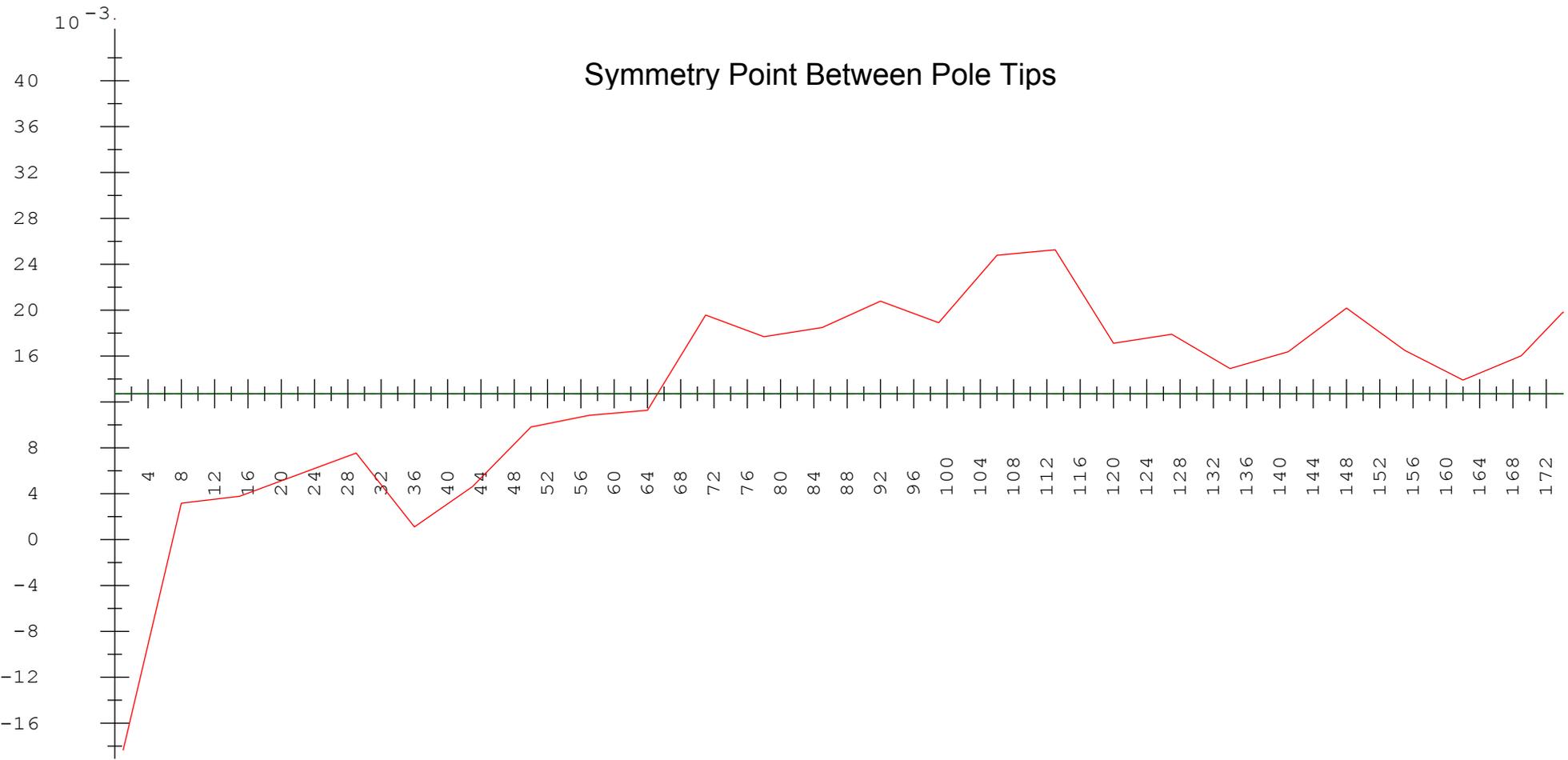
LCLS II - SXR Undulator

Nominal Gap = 13   Nominal Taper = 0.000

Gap Reading = 13.0000   US Encoder = 13.0001   DS Encoder = 13.0000

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Run=   9

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0127

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 13   Nominal Taper = 0.000

Gap Reading = 13.0000   US Encoder = 13.0001   DS Encoder = 13.0000

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S/N =   022
D/S=   0001
Run=   9

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	6.5178	6.5212	6.5297	6.5332
Bottom	-6.5134	-6.5074	-6.4923	-6.4861
Gap	13.0312			13.0193
Taper				-0.0119

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.5258	-6.5004	13.0262	0.0127

Additional Calculated Values

Bottom Pole #1 Z Value	980.569
Top Jaw Pitch (mrad)	0.005
Bottom Jaw Pitch(mrad)	0.008
Minimum Effective Gap	12.960
Reference Block Gap	6.809

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 13   Nominal Taper = 0.000
Gap Reading = 13.0000   US Encoder = 13.0001   DS Encoder = 13.0000

15-MAR-2019
S/N = 022
D/S= 0001
Run= 9